

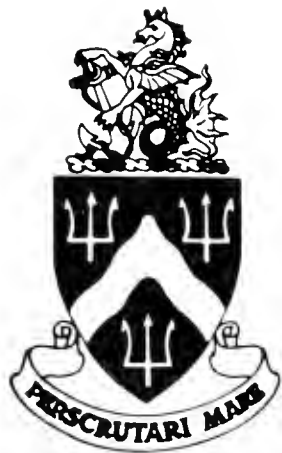
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OCEANOGRAPHIC REPORT

No. CG 373-69

NORTH ATLANTIC OCEAN STATION DELTA 26 August 1968-26 August 1969

Lawrence J. Hannon

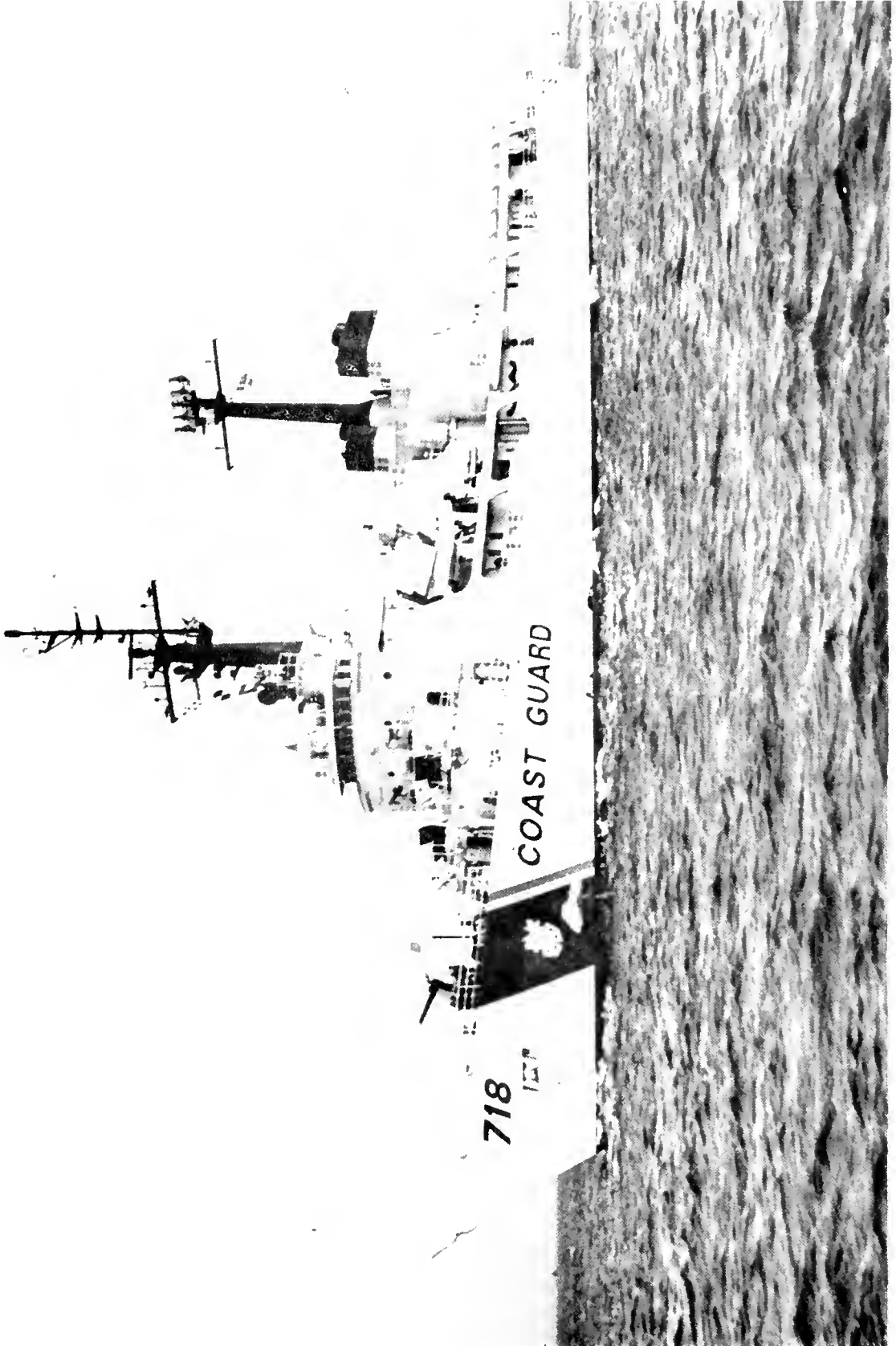
February 1976

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

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USCGC CHASE (WMEC 718)

ABSTRACT

Oceanographic data from fifteen cruises on Ocean Station DELTA (44°N, 41°W) during the period August 1968 to August 1969 are presented. These data consist of observed and interpolated temperatures and salinities from 257 shallow and 11 deep casts. Analysis of the data on OS DELTA indicates that the North Atlantic Current intrudes on OS DELTA during most of the year. Temperature-salinity (T-S) curves and salinity anomaly analysis indicate the following water masses on OS DELTA:

- North Atlantic Central water
- Subarctic Intermediate water
- Mediterranean water
- Labrador Sea water
- A mixture of Labrador Sea water and Northeast Atlantic Deep water
- North Atlantic Deep water

The dominating water mass of OS DELTA is North Atlantic Central water. The maximum intrusion of Subarctic Intermediate water on OS DELTA occurred during April to May 1969. Mediterranean water is observed as a salinity maximum between 700 and 1100 meters. Labrador Sea water is present throughout the year and may be a layer as thick as 400 meters. A water mass of 60% Labrador Sea water and 40% Northeast Atlantic Deep water is indicated by deep potential temperature-salinity curves. North Atlantic Deep water is the dominant deep water mass below 3000 meters.

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Oceanographic Observations at North Atlantic Ocean Station Delta

August 1968–August 1969

by

Lawrence J. Hannon¹

INTRODUCTION

Ocean Station DELTA (OS DELTA) (44°N, 41°W) is located to the east of the Grand Banks of Newfoundland. This report contains data

collected on OS DELTA from August 1968 to August 1969. A summary of the cruises is given in Table 1.

Table 1. Oceanographic cruises on Ocean Station DELTA, August 1968 to August 1969.

Cruise No.	Vessel	Dates	Number of casts		NODC Reference Number	Appendix
			Shallow (<1500 m)	Deep		
D-23*	CGC ABSECON	26Aug-15Sep68	18N**	1N(3839m)	31-1319	I
D-24	CGC ESCANABA	20Sep- 5Oct68	9N	1N(4577m)	31-1323	II
D-25	CGC CASCO	12Oct- 2Nov68	11N	1N(4131m)	31-1348	III
D-26	CGC CHASE	5Nov-24Nov68	10STD		31-8072	IV
D-27	CGC ANDROSCOGGIN	25Nov-15Dec68	18STD		31-8074	V
D-28	CGC DALLAS	16Dec68-9Jan69	23N	1N(4497m)	31-1414	VI
D-29	CGC McCULLOCH	15Jan-22Jan69	6N		31-1404	VII
D-30	CGC DUANE	2Feb-23Feb69	12N		31-1425	VIII
D-31	CGC DALLAS	24Feb-18Mar69	13N	1N(4539m)	31-1422	IX
D-32	CGC ESCANABA	11Apr- 4May69	41STD	1STD(3000m)	31-8095	X
D-33	CGC CASTLE ROCK	7May-27May69	15N		31-1456	XI
D-34	CGC HALFMOON	29May-19Jun69	16N	3N(4089, 4220, 4146m)	31-1450	XII
D-35	CGC BIBB	21Jun-11Jul69	18N		31-1482	XIII
D-36	CGC INGHAM	14Jul- 3Aug69	9N		31-1519	XIV
D-37	CGC YAKUTAT	5Aug-26Aug69	23STD	1STD(3000m)	31-8124	XV
			15N	1N (4174m)		

* D indicates Ocean Station DELTA, the number is the occupation number.

** N indicates Nansen casts; STD indicates Salinity-Temperature-Depth electronically obtained serial data.

PROCEDURES FOR DATA ACQUISITION AND PROCESSING

Ocean station vessels normally maintain position within a 18.5 kilometers (10 nmi) square grid centered on the station, operations and

weather permitting. Positions are plotted for those stations on each occupation taken more than 55.6 kilometers (30 nmi) from OS DELTA (fig. 1).

The sampling program for Nansen equipped vessels consisted of one Nansen cast to 1500 meters per day while on station. Once each patrol a deep cast to within 50 meters of the

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

bottom was substituted for one of the 1500 meter casts. The desired sampling depths were 0, 25, 50, 100, 150, 200, 250, 300, 400, 500, 600, 800, 1000, 1500, for the shallow casts and 2000, 2500, 3000, and 150 and 50 meters off the bottom for the deep casts.

The sampling program for the S/T/D Environmental Profiling System (STD) equipped vessels consisted of four STD casts per day to 1500 meters. Once a week a 3000 meter STD cast was substituted for one of the 1500 meter casts.

The processing of the Nansen and STD data has been thoroughly covered by Rosebrook (1971) and will not be discussed here.

ANALYSIS OF DATA

Introduction

OS DELTA is influenced by several water masses and by the North Atlantic Current. The names of the water masses of OS DELTA along with their characteristics and the source of these definitions are given in Table 2.

Table 2. Water masses found on Ocean Station DELTA, August 1968 to August 1969

Water Mass	Characteristics		Depth (m) on OS DELTA	Source
	T°C	S ^o /‰		
North Atlantic Central water	4.0 and 18.0	35.0 and 36.6	0 to 1500	Iselin's Sargasso Sea T-S curve (1936)
Subarctic Intermediate water	4.5 to 7.0	34.70 to 35.00	500 to 1500	Bubnov (1968)
Mediterranean water	2.0 and 12.0	34.8 and 36.5	700 to 1100	Defant's T-S curve (1961)
Labrador Sea water	3.4	34.9	1500 to 2000	Worthington and Metcalf (1961)
Labrador Sea water (LS) mixed with North East Atlantic Deep water (NEAD) (on OS DELTA)	3.1 to 3.3	34.95	2000 to 3200	LS + NEAD, Hannon (this paper). NEAD, defined by Worthington and Metcalf (1961), named by Lee and Ellett (1967)
North Atlantic Deep water	1.8 to 4.0	34.89 to 35.00	3200 to 4600	Worthington and Metcalf (1961) and Wright and Worthington (1970)

North Atlantic Central Water

North Atlantic Central water is formed, as the name implies, in the central North Atlantic (Iselin, 1939). OS DELTA is on the north-eastern edge of the proposed area of formation of North Atlantic Central water (fig. 2). According to Iselin, this water probably attained its characteristics while in contact with the atmosphere. By using sea surface temperature-salinity charts from an atlas (Bohnecke, 1936), Iselin plotted temperature-salinity values from the surface together with typical vertical T-S curves in the mid-Atlantic Ocean. These surface values which represent a horizontal T-S curve nearly coincided with the vertical T-S

curves. Other surface values could be chosen to obtain complete coincidence. This result supports the generally accepted hypothesis that North Atlantic Central water is formed by the sinking of surface waters and by lateral mixing. The variations in a vertical T-S curve could be due to the different temperatures and salinities of the surface waters from different areas of the Atlantic. Since these surface waters have the same density, they sink and form North Atlantic Central water. This does not rule out vertical mixing but it would appear that it is not the main contributor to this water's formation.

Iselin's T-S Sargasso Sea curve (1936) is representative of North Atlantic Central water.

This T-S curve will henceforth be referred to as Iselin's North Atlantic Central water T-S curve. To determine if North Atlantic Central water occurred at OS DELTA, plots were made of a typical T-S curve from each cruise along with Iselin's T-S curve (fig. 3). Although there are variations from his T-S curve it is obvious from this figure and from all the T-S curves on OS DELTA (figures 4 to 16) that OS DELTA was dominated by North Atlantic Central water.

North Atlantic Current

Iselin (1936) describes the North Atlantic Current as an extension of the Gulf Stream to the eastward of the Tail of the Banks. At present there is considerable conjecture as to the path of the North Atlantic Current east of the Grand Banks.

Fuglister (1951) believes that the Gulf Stream consists of multiple currents and counter currents as far west as 65° west longitude (fig. 17). OS DELTA appears to be right in the middle of this flow. Whether or not this is true can be at least partially determined from a consideration of the T-S curves on OS DELTA.

The T-S curves for 15 January to 4 May 1969, cruises D29 to D32, are typical of North Atlantic Central water (figs. 9 to 12). The T-S curves for the rest of the year from 26 August 1968 to 9 January 1969, cruises D23 to D28, (figs. 4 to 8) and 29 May to 26 August 1969, cruises D34 to D37, (figs. 13 to 16), are also typical of North Atlantic Central water but have distinct differences from the first group (15 January to 4 May 1969).

In the first group of T-S curves the temperature rarely reached 15°C and the salinity rarely exceeded 36.0‰. The salinity maximum for the first group was always at the surface. For the second group of T-S curves the temperature was always 15°C or greater and the salinity almost always exceeded 36.0‰. The salinity maximum, for the second group, for the most part, was a subsurface maximum. The surface salinities were considerably lower than the subsurface maximum for the second group.

The first group of T-S curves did not indicate North Atlantic Current. The second group did indicate the presence of the North Atlantic Current. Rigorous proof of this is beyond the scope and the purpose of this report and will not be

considered here. However this discussion shall briefly touch upon the significance of the differences between the two groups of T-S curves.

First of all, Fuglister and Voorhis (1965) used the 15°C isotherm at 200 meters as an indicator of the left hand edge of the Gulf Stream (North Atlantic Current). Therefore, if there were no 15°C temperatures it is possible there was no North Atlantic Current. Secondly, only when there were 15°C temperatures did the salinity exceed 36.0‰, except in a few instances. Thirdly, the low salinities at the surface mean that the subsurface salinity maximum could not have been caused by evaporative processes. Finally, Neumann and Pierson (1966) believe that the Labrador Current injects salinities into the North Atlantic Current which then transports these salinities across the North Atlantic. Only when 15°C temperatures were present was there any low surface salinities. It appears that these low surface salinities were transported by the North Atlantic Current.

Reiterating, the North Atlantic Current was present on OS DELTA only when temperatures were 15°C or greater, when salinities exceeded 36.0‰ and when the surface salinities were lower than the salinity maximum. These three factors are the three main differences between the first group of T-S curves and the second group. Hence it is logical to assume that the first group of T-S curves from 15 January to 4 May 1969 did not indicate the North Atlantic Current and the second group of T-S curves from 26 August 1968 to 9 January 1969 and 29 May to 26 August 1969 did indicate the presence of the North Atlantic Current.

Subarctic Intermediate Water

Waters of Subarctic Intermediate origin can be distinguished by applying the salinity anomaly method of Helland-Hansen and Nansen (1926) using Iselin's North Atlantic Central water T-S curve (fig. 3) as a standard. Bubnov (1968) gives a temperature range for Subarctic Intermediate water of 4.5°C to 7.0°C and a salinity range of 34.70‰ to 35.00‰ in his southern area of formation (near Ocean Station CHARLIE, Hannon, 1973). Since Subarctic Intermediate water is lower in salinity than North Atlantic Central water, water of subarctic origin will have a negative salinity anomaly. For example, a -20 salinity anomaly means that

the observed salinity value was .20‰ less than the salinity of Iselin's North Atlantic Central water T-S curve at the observed temperature.

The core of the Subarctic Intermediate water intrusion on any individual station would be the most negative salinity anomaly that has the

temperature and salinity characteristics as stated by Bubnov. The means and standard deviations of the depth, temperature, salinity, and salinity anomaly of the core of the Subarctic Intermediate water for each cruise on OS DELTA are given in Table 3.

Table 3. The means and standard deviations of the depth, temperature, salinity, and salinity anomaly of the core of Subarctic Intermediate water found on Ocean Station DELTA, August 1968-August 1969.

Cruise	Date	Depth (m)	Temperature (°C)	Salinity (‰)	Salinity Anomaly	Number of** Stations with Subarctic intrusions
D-23	Aug -Sep68	698±52	6.05±.35	34.961±.022	-7±2	10 of 19
D-24	Sep -Oct68	674±74	6.54±.60	34.963±.077	-8±2	5 of 10
D-25	Oct -Nov68		NO	SALINITY DATA		
D-26*	-Nov68	700±100	6.44±.39	34.978±.011	-6±1	3 of 10
D-27*	Nov -Dec68	657±84	6.54±.32	34.949±.044	-10±5	14 of 18
D-28	Dec68-Jan69	813±54	5.94±.44	34.966±.024	-6±2	13 of 24
D-29	-Jan69		NO	SUBARCTIC INTERMEDIATE WATER		0 of 6
D-30	-Feb69		NO	SUBARCTIC INTERMEDIATE WATER		0 of 12
D-31	Feb -Mar69	850±98	5.68±.37	34.978±.007	-5±2	4 of 13
D-32*	Apr -May69	717±86	6.09±.71	34.870±.110	-16±10	38 of 42
D-33	May69		NO	SALINITY DATA		
D-34	May -Jun69	845±86	5.99±.58	34.939±.046	-8±5	11 of 19
D-35	Jun -Jul69	796±40	6.00±.42	34.962±.024	-7±2	9 of 18
D-36	Jul -Aug69		NO	SUBARCTIC INTERMEDIATE WATER		0 of 9
D-37*	-Aug69		NO	SUBARCTIC INTERMEDIATE WATER		0 of 40

* Stations taken with a Salinity-Temperature-Depth (STD) sensor.

** Not all stations on any one particular cruise had negative salinity anomalies that were indicative of an SAI intrusion.

The maximum intrusion occurred on cruise D32, April to May 1969 where 38 out of 42 stations indicated Subarctic Intermediate water. This was also the period of the most negative salinity anomalies (Table 3). The STD sensor was used on the cruise thus allowing a continuous monitoring of the water column as it descended.

The lowest anomalies (-25 to -44) on cruise D32 occurred on eight almost consecutive stations (D32-1, 2, 3, 5, 6, 7, 9, and 15). The mean and standard deviation of the most negative salinity anomalies for these stations was 5.34°C±.27 for temperature, 34.668‰±.070 for salinity and 628m±63 for depth. These values are very close to what one might expect to find in the area of formation. The mean and standard deviation of the temperatures and salinities of the salinity minimum on OS CHARLIE during the maxi-

imum formation period of Subarctic Intermediate water in March 1969 was 6.01°C±.36 and 34.634‰±.037. Apparently very little mixing had occurred with surrounding water between OS CHARLIE and OS DELTA. The intrusion is very evident as a pronounced salinity minimum between 4°C and 6°C on the T-S curves on cruise D32 (fig. 12).

During January and February 1969, cruises D29 and D30, and July and August 1969, cruises D36 and D37, no Subarctic Intermediate water could be detected at OS DELTA. The T-S curves for these periods (fig. 9 and 10, and 15 and 16) were typical of North Atlantic Central water except for some low surface salinities on cruises D36 and D37. This further supports the hypothesis, (Hannon, 1973), that Subarctic Intermediate water is not formed year-round at OS CHARLIE.

Mediterranean Water

The intrusion of Mediterranean water at OS DELTA occurs between 800 and 1000 meters in depth according to Corton (1967) and is easily recognizable as an increase in salinity, usually with a corresponding increase in temperature.

Using the salinity maximum as an indication of the core of the Mediterranean water intrusion the means and standard deviations of the depth, temperature, salinity, and sigma-t of the salinity maximum were computed (Table 4). The water column from 500 to 1500 meters was considered since the intrusion would be expected at between 800 and 1000 meters. The depth of the core of

Mediterranean water was between 700 and 1100 meters. The results are in excellent agreement with Defant (1961) and Sverdrup, et al. (1942) for the characteristics of Mediterranean water. By Defant's T-S curve of the core of Mediterranean water, the T-S characteristics of the core of Mediterranean water for the cruises on OS DELTA indicated 20% to 30% Mediterranean water. According to Sverdrup, et al. (1942) Mediterranean water should spread along the sigma-t surfaces between 27.6 and 27.8. The sigma-t values for the core of Mediterranean water for all cruises on OS DELTA were within the sigma-t range of Sverdrup, et al., except for cruise D37 at about 27.52 (Table 4).

Table 4. The means and standard deviations of the depth, temperature, salinity, and sigma-t of the Mediterranean salinity maximum found on Ocean Station DELTA, August 1968 to August 1969.

Cruise	Date	Depth (m)	Temperature (°C)	Salinity (‰)	Sigma-t	Number of Stations with Intrusions
D-23	Aug-Sep68	856+103	5.41+.58	35.032+.039	27.67+.06	14 of 19
D-24	Sep-Oct68	805+65	5.65+.54	35.017+.031	27.63+.05	3 of 10
D-25	Oct-Nov68		NO SALINITY DATA			
D-26*	Nov68		NO DISCERNABLE SALINITY MAXIMUM			0 of 10
D-27*	Nov-Dec68		NO DISCERNABLE SALINITY MAXIMUM			0 of 18
D-28	Dec-Jan69	966+19	5.16+.16	35.002+.014	27.68+.01	2 of 24
D-29	Jan69		NO DISCERNABLE SALINITY MAXIMUM			0 of 6
D-30	Feb69	946+160	5.39+.79	35.033+.018	27.68+.09	4 of 12
D-31	Feb-Mar69	897+75	5.49+.44	35.054+.054	27.68+.03	3 of 14
D-32*	Apr-May69	908+42	5.39+.34	35.009+.035	27.66+.03	8 of 42
D-33			NO SALINITY DATA			
D-34	May-Jun69	973+65	5.34+.47	35.032+.068	27.68+.03	9 of 19
D-35	Jun-Jul69	985+86	5.24+.58	35.017+.050	27.68+.04	9 of 18
D-36	Jul-Aug69	997+35	5.59+.69	35.093+.066	27.70+.06	4 of 9
D-37*	Aug69	782+24	7.35+.28	35.165+.043	27.52+.03	7 of 40

* Stations taken with a Salinity-Temperature-Depth STD sensor.

Bottle spacing on Nansen casts was very poor for determining the T-S characteristics of Mediterranean water on OS DELTA. Bottles were placed at 600, 800, 1000, and 1500 meters. Unless the cast was shallow or deep it would be difficult to pick up Mediterranean water at between 700 and 1100 meters. This is one reason why only a small number of the stations on any particular cruise showed Mediterranean water present (Table 4).

Stations taken with an STD gave a continuous sampling of the water column as the underwater unit descended. Cruises D26, D27, D32, and D37 were all taken using an STD. Only by use of

the STD is it possible to pinpoint the Mediterranean water intrusion.

Cruises D26 and D27 did not show any Mediterranean water present. On cruise D32, as was previously mentioned, the maximum intrusion of Subarctic Intermediate (SAI) water occurred. This made it very difficult to delineate Mediterranean water. Several stations, 8 of 42, showed very little influence of SAI. It was possible to pick out the Mediterranean intrusion on these stations. This water can be seen as a salinity and temperature maximum at about 900 meters. Station 10, cruise D32, is a good example (fig.18).

Cruise D37 also showed a salinity and temperature maximum on 7 out of 40 stations, but this time at about 800 meters. The temperature and salinity were much higher than D32 or any of the other stations (Table 4). No Subarctic Intermediate water was present on D37 to mask the Mediterranean intrusion. There may be some question as to whether this was actually Mediterranean water since the average sigma-t value was only 27.52.

Cruises D26 and D27 did not indicate any Mediterranean intrusion. Cruise D32 showed intrusions on some stations. Cruise D37 showed intrusions on 7 out of 40 stations. Since these were all STD stations on D26, D27, D32, and D37 it is obvious that Mediterranean water is not continuous on OS DELTA.

Labrador Sea Water

There is much confusion in the nomenclature for the water mass referred to as Labrador Sea water (LS). The definition of LS used here is that definition given it by Worthington and Metcalf (1961). They refer to it as a pronounced salinity minimum at 3.5°C. They believe it is the most recently produced deep water in the North Atlantic, forming in the Labrador basin.

The T-S curves of the deep casts (greater than 1500 meters) were plotted (fig. 19). The characteristic temperature and salinity for LS, Northwest Atlantic Bottom water (NWAB), Northeast Atlantic Deep water (NEAD), and the potential temperature-salinity curve for North Atlantic Deep water (NAD) are plotted along with each deep T-S curve on OS DELTA.

The salinity minimum on each cast at about 1500-2000 meters indicates water of Labrador Sea origin. It seemed to be present year-round. Unfortunately the majority of the Nansen and STD casts were only taken to 1500 meters, thus just missing LS.

On station D23-10 the LS minimum occurred at 1447 and 1863 meters, and on stations D34-5, 16, and 19 it occurred at 1978, 2062, and 1425 meters respectively. The bottle spacing for Nansen casts placed a bottle at 1500 and 2000 meters. It would be easy for the 1500 meter

bottle to be too shallow to sample LS or for the 2000 meter bottle to be too deep. Station D23-10 could therefore indicate that the LS influence could be as thick as 400 meters since LS was present at both 1447 and 1863 meters.

Mixture of Labrador Sea water with Northeast Atlantic Deep Water

Below the depth of influence of LS, the salinity increased for all the deep casts (fig. 19), except station D24-10. If a line is drawn from LS to Northeast Atlantic Deep water (NEAD), this salinity increase falls directly on the line. Computing the percentages of LS and NEAD it was determined that this water contained $60 \pm 4\%$ LS and $40 \pm 4\%$ NEAD. NEAD has been described by Lee and Ellett (1967) as Scotland-Iceland overflow from the Norwegian Sea.

North Atlantic Deep Water

North Atlantic Deep water (NAD) is a mixture of NEAD and Northwest Atlantic Bottom Water (NABW). This is the theory of Lee and Ellett (1967) where NABW is described as Iceland-Greenland overflow and NEAD as Scotland-Iceland overflow.

The deep T-S curves (fig. 19), using Lee and Ellett's criteria and the NAD curve of Worthington and Metcalf (1961), clearly indicate the presence of NAD.

CONCLUSIONS

The physical oceanography of OS DELTA is quite complex. Although the water column consists generally of North Atlantic Central water, OS DELTA is subject to intrusions from numerous water masses and is frequently influenced by the North Atlantic Current. Since it is such a complicated area it is often difficult to determine exactly what is going on on OS DELTA, based exclusively on OS DELTA data. However, thanks to oceanography conducted around OS DELTA and to scientists who have published numerous papers on the various water masses and the Gulf Stream System, a fairly good picture can be developed from the data taken at the single point (OS DELTA).

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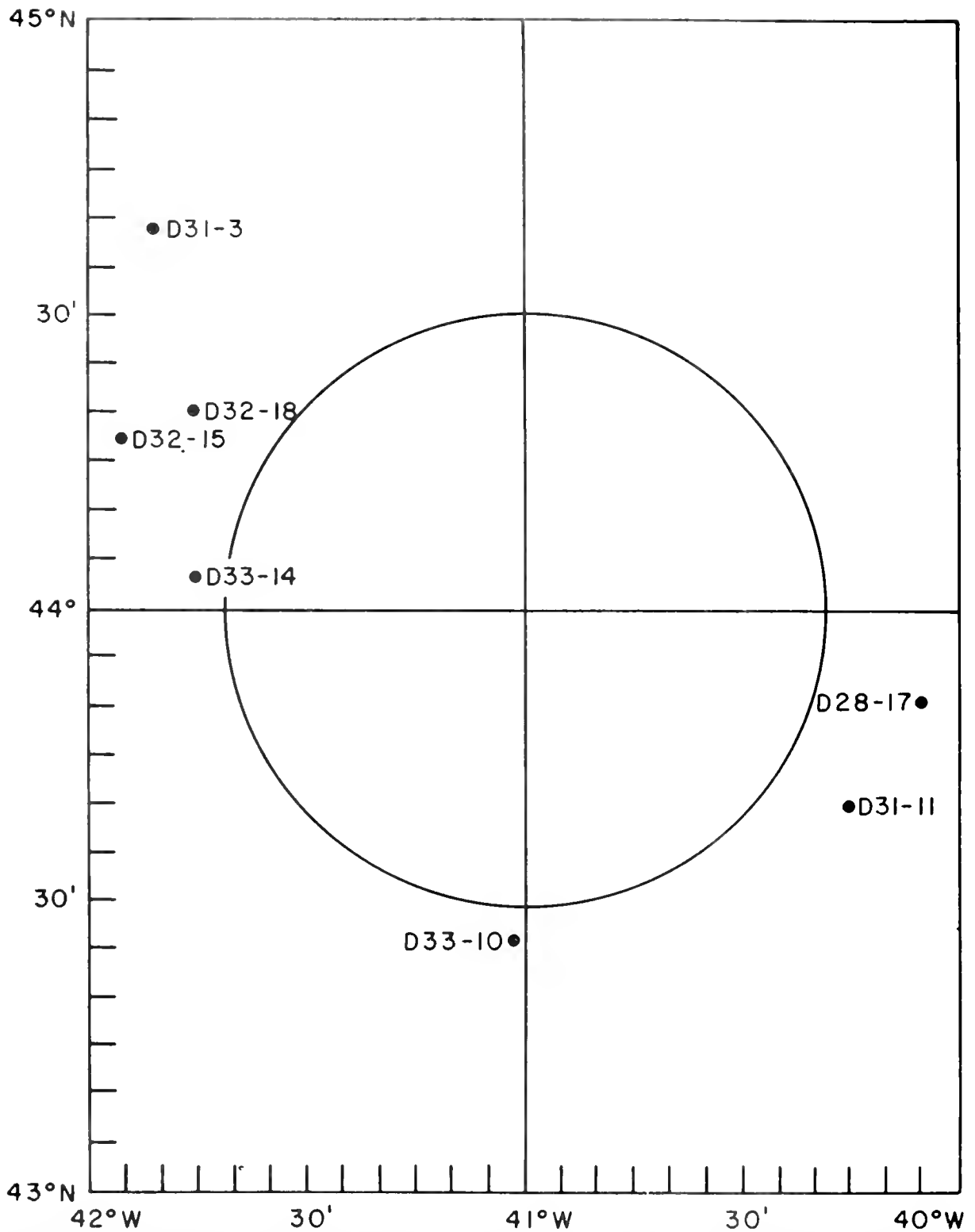


FIGURE 1.—Positions of stations more than 55.6 kilometers (30 nmi) from center of Ocean Station DELTA (August 1968 to August 1969). D indicates OS DELTA, followed by the occupation number and station number. Six stations were off the position plot. These had the following positions:

D26-2 —44°19'N, 43°00'W	D31-9 —43°03'N, 39°38'W
D26-7 —44°48'N, 45°24'W	D31-10 —42°53'N, 39°10'W
D26-8 —44°23'N, 43°12'W	D37-40 —43°51'N, 43°19'W

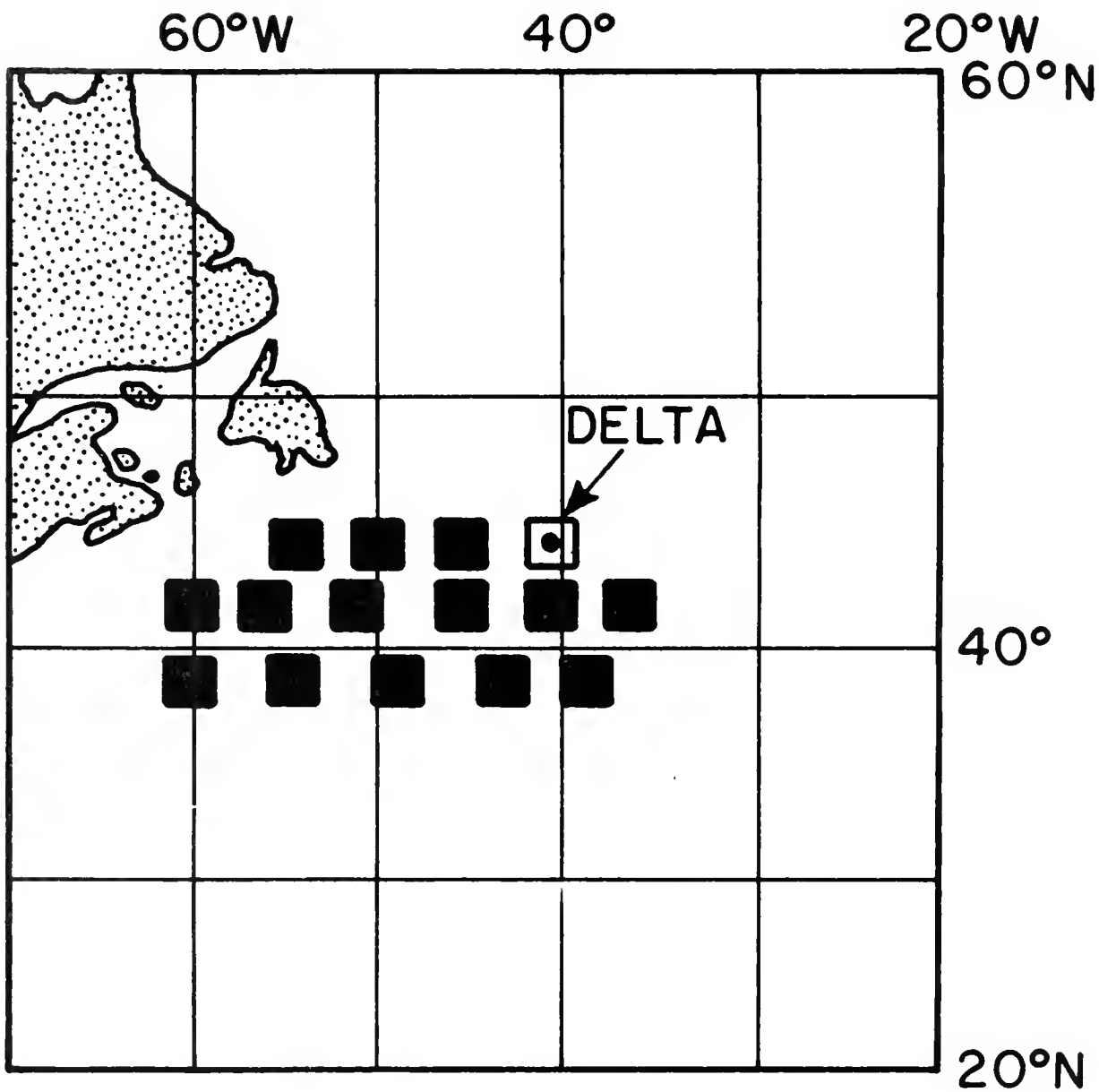


FIGURE 2.—Area of Formation of North Atlantic Central water (After Sverdrup, et al., 1942). The squares indicate the location of North Atlantic Central water.

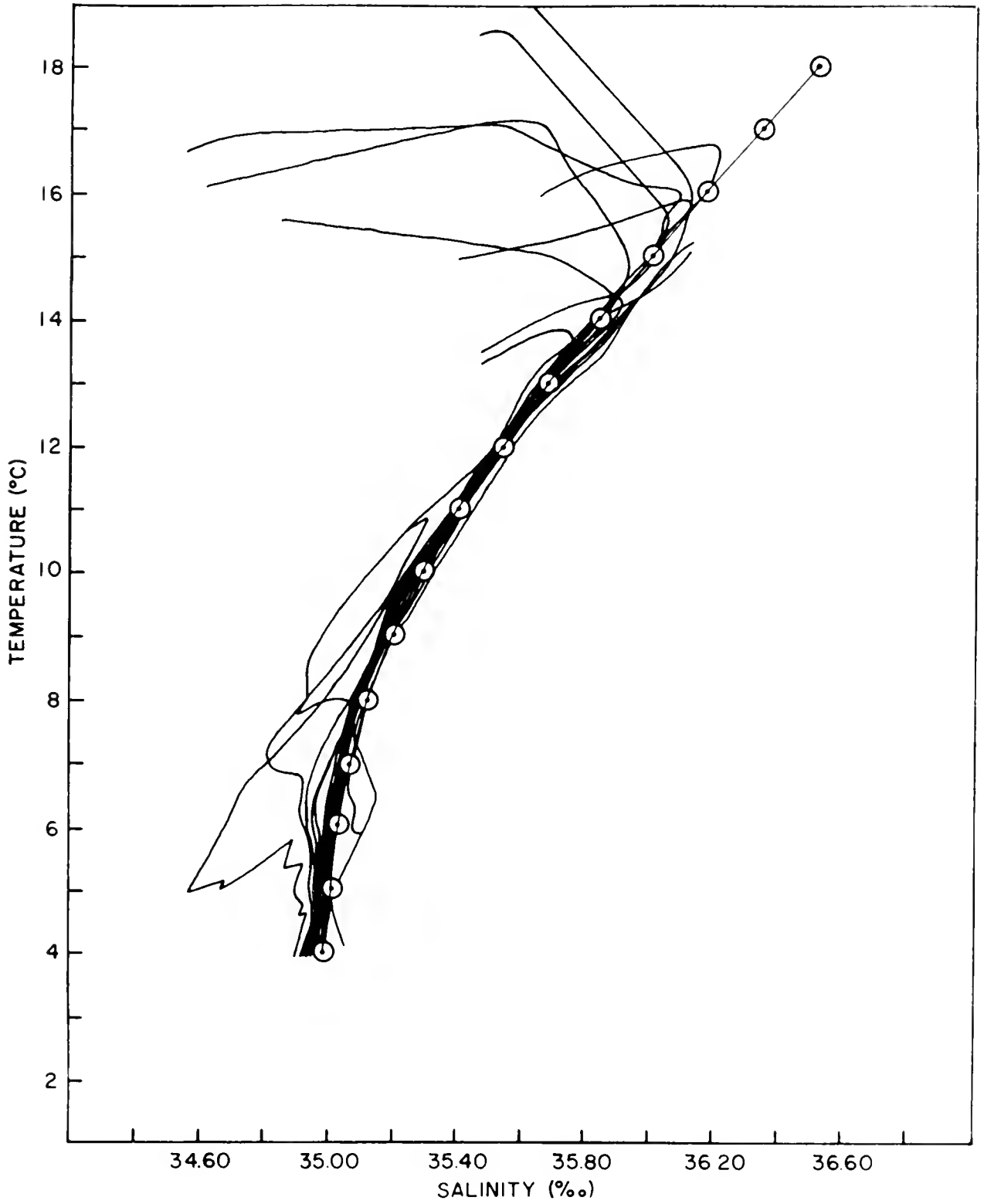


FIGURE 3.—Representative temperature versus salinity curves (one for each cruise) on Ocean Station DELTA for the period August 1968 to August 1969 and Iselein's 1936 North Atlantic Central water temperature versus salinity curve (OO).

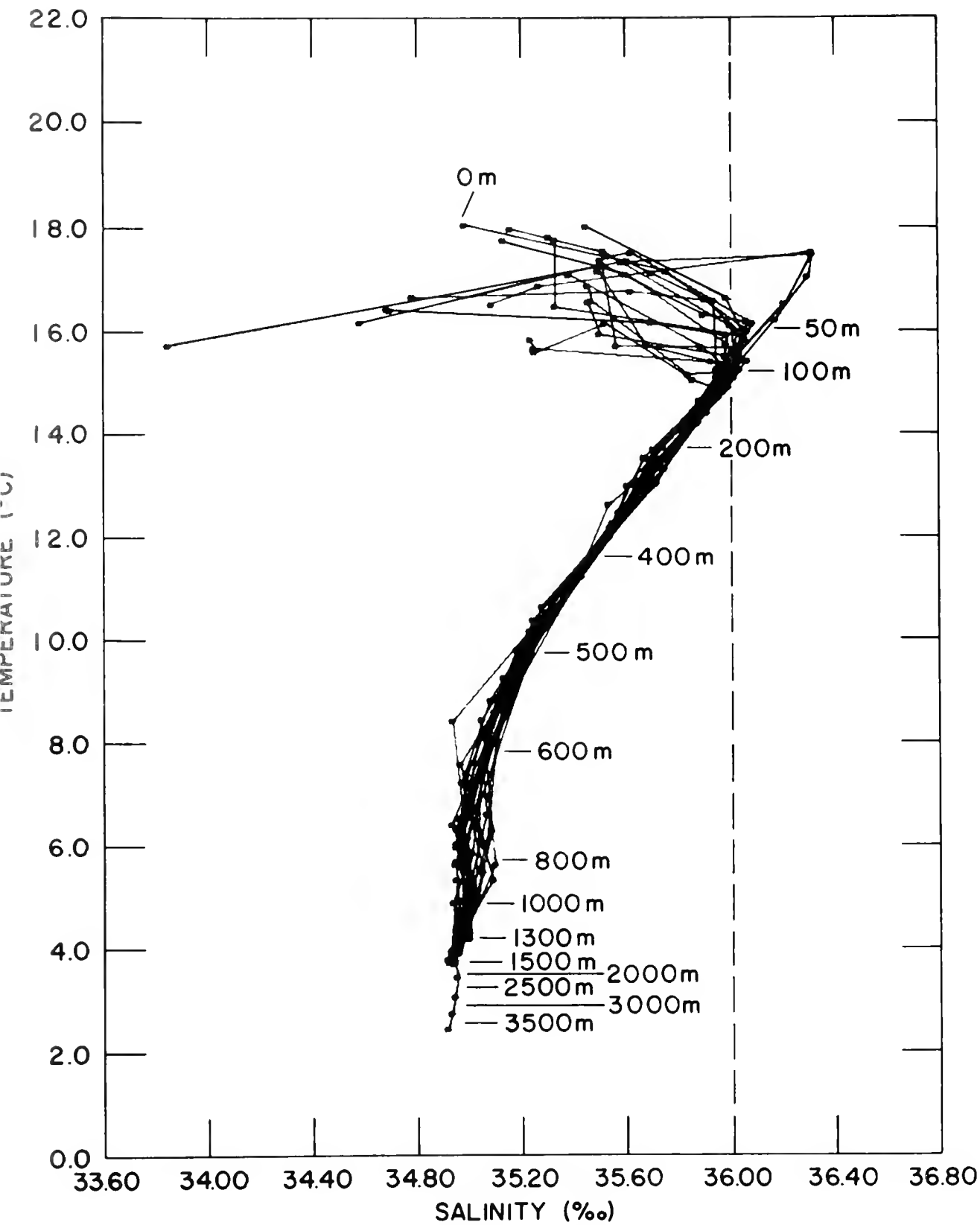


FIGURE 4.—Temperature versus salinity curves, USCGC ABSECON, 26 August to 15 September 1968.

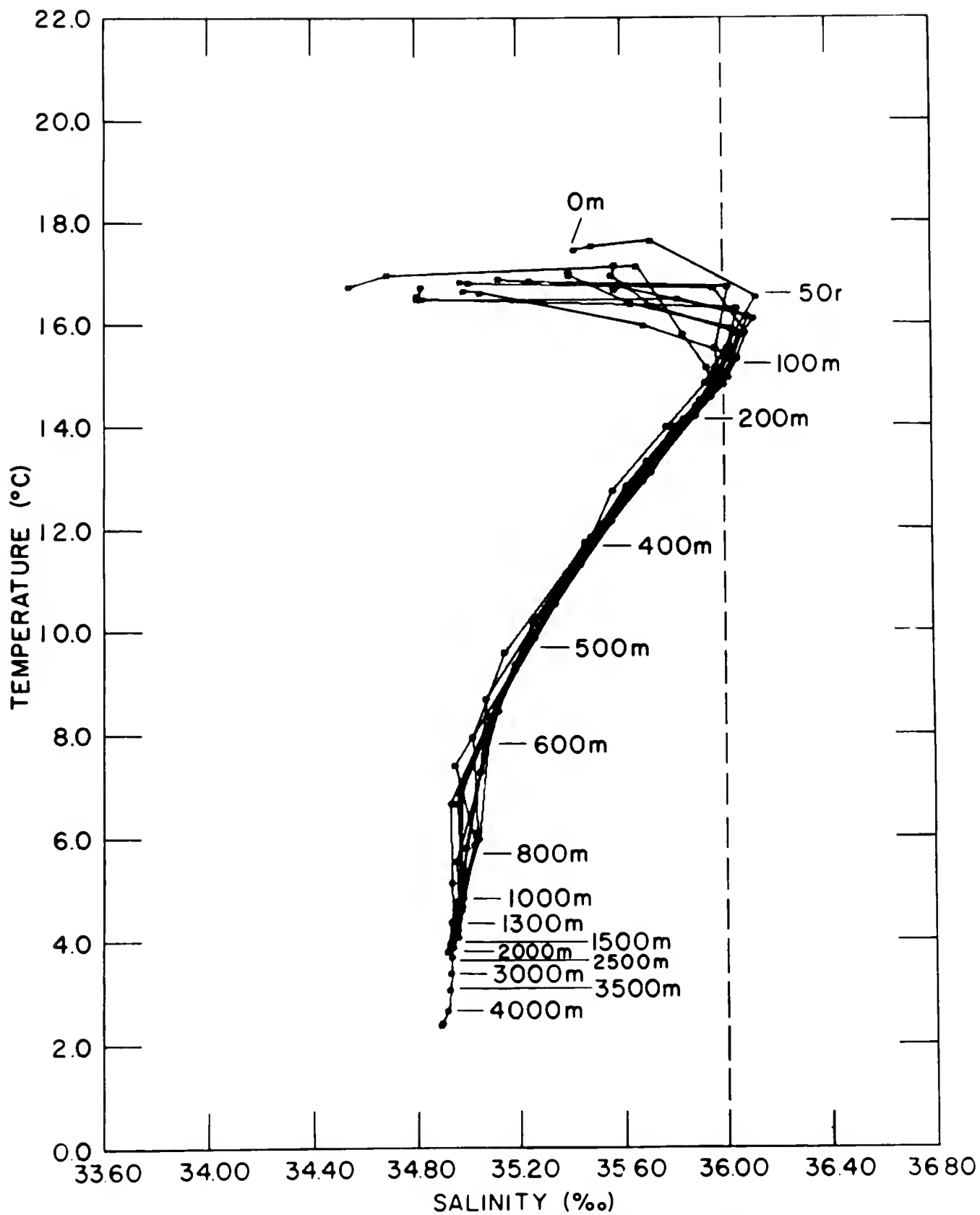


FIGURE 5.—Temperature versus salinity curves, USCGC ESCANABA, 20 September to 5 October 1968.

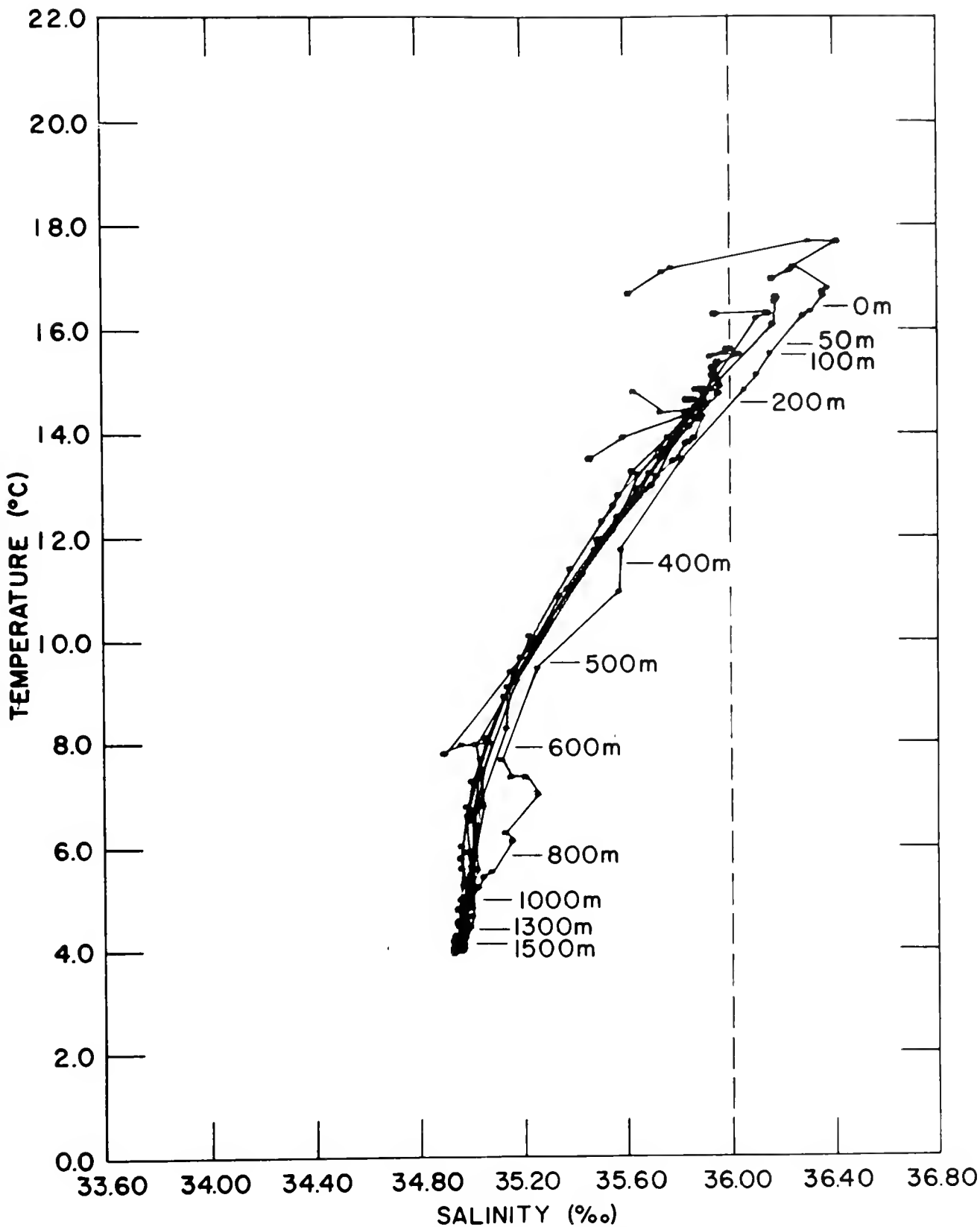


FIGURE 6.—Temperature versus salinity curves, USCGC CHASE, 5 November to 24 November 1968.

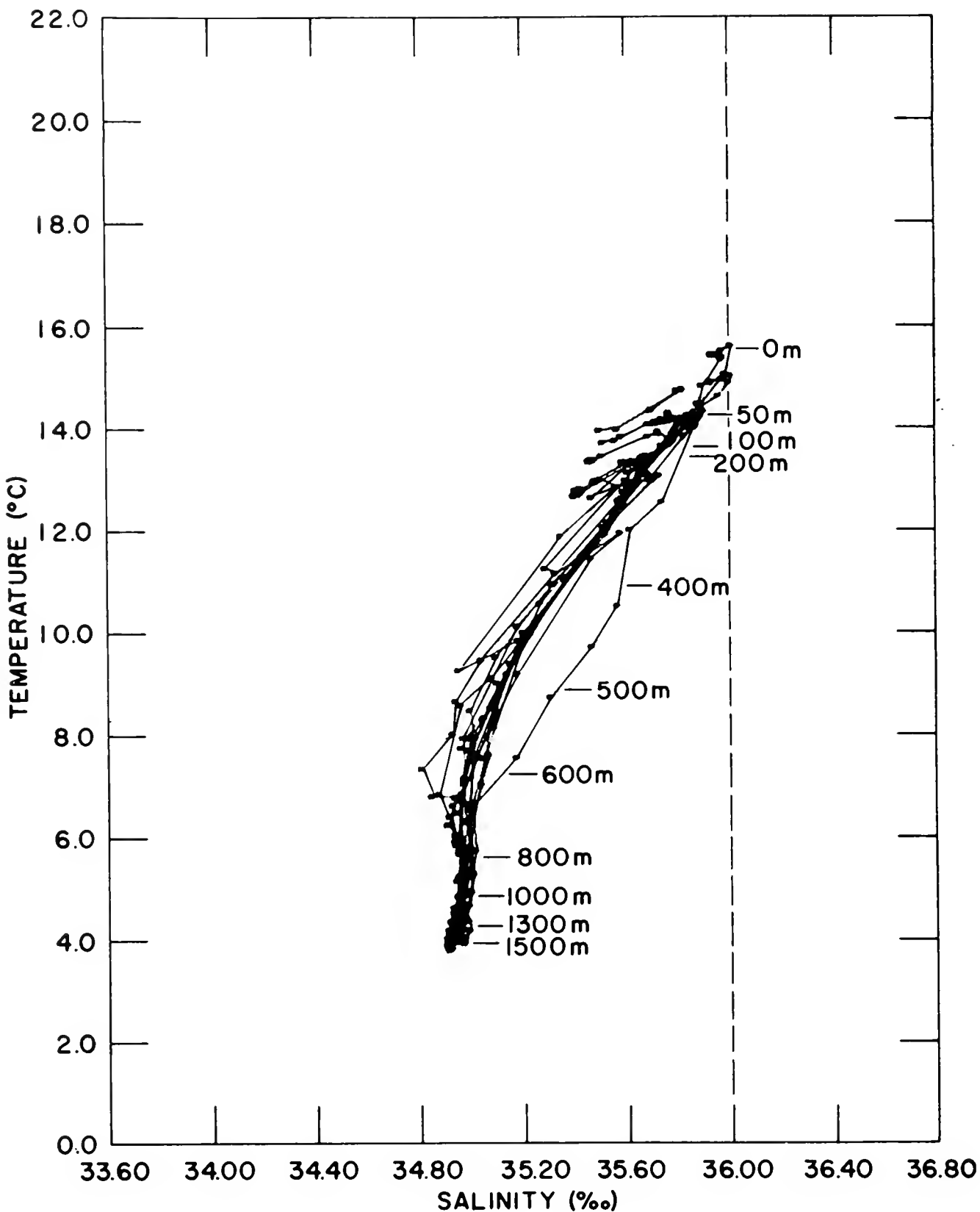


FIGURE 7.—Temperature versus salinity curves, USCGC ANDROSCOGGIN, 25 November to 15 December 1968.

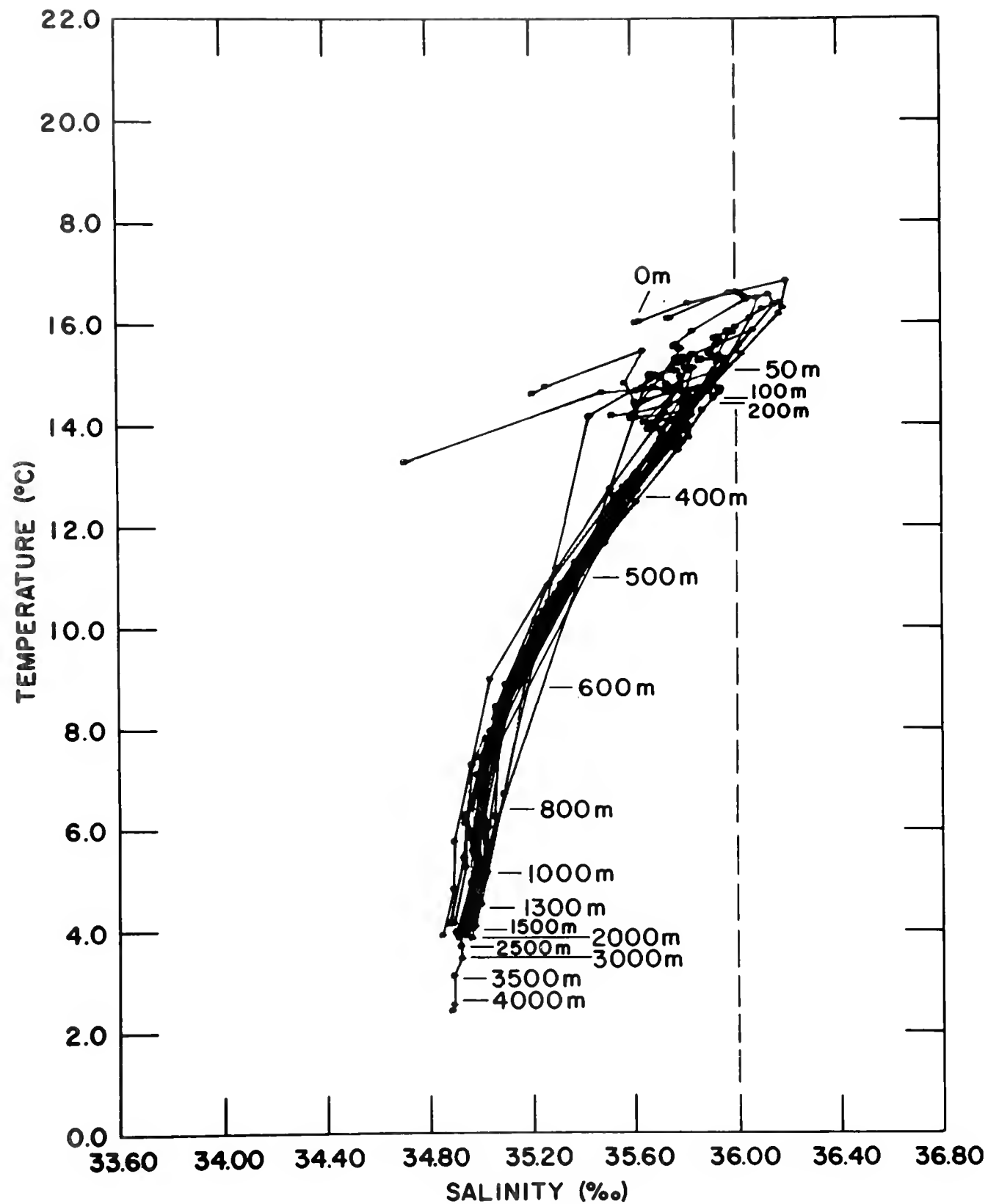


FIGURE 8.—Temperature versus salinity curves, USCGC DALLAS, 16 December 1968 to 9 January 1969

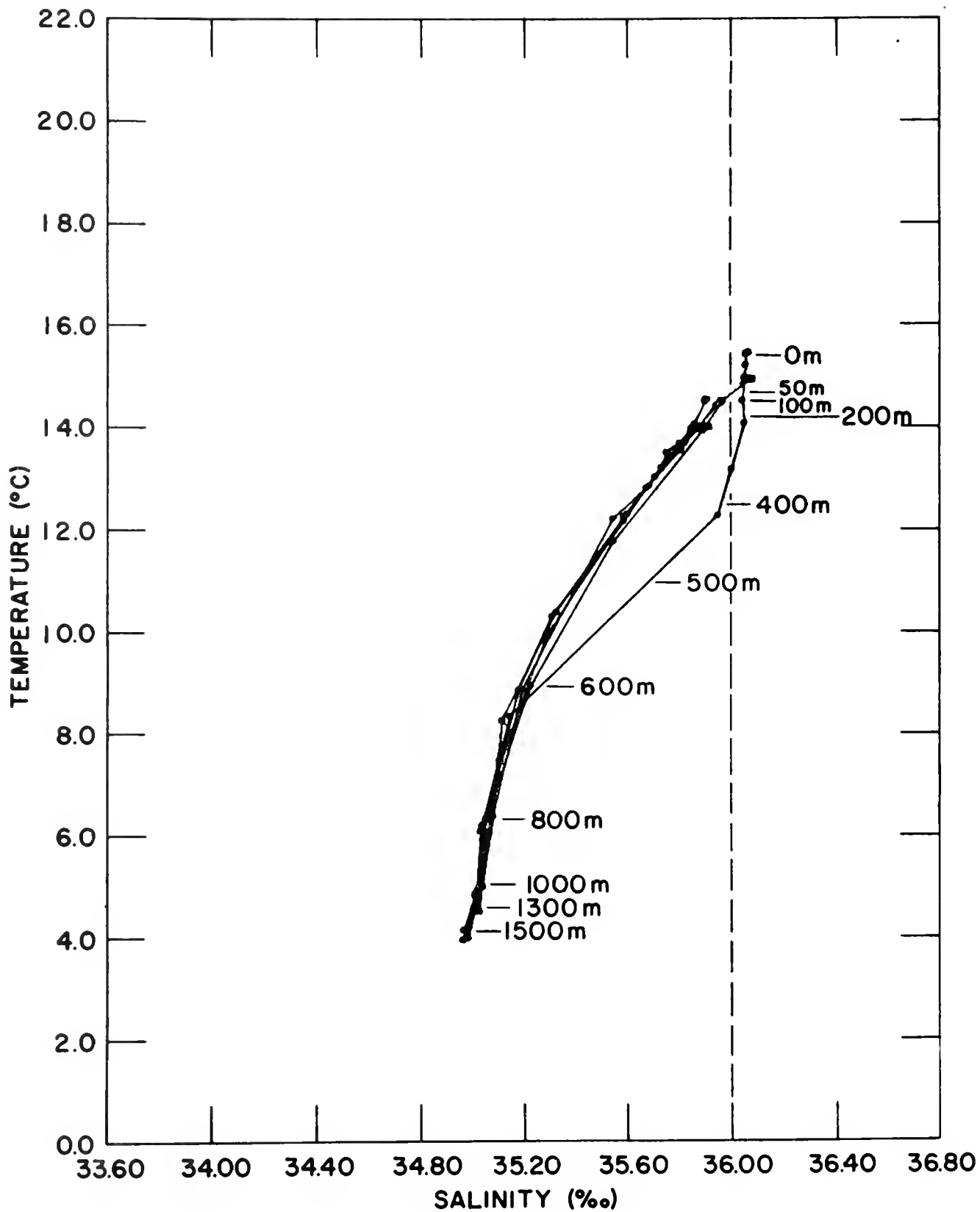


FIGURE 9.—Temperature versus salinity curves, USCGC McCULLOCH, 15 January to 22 January 1969.

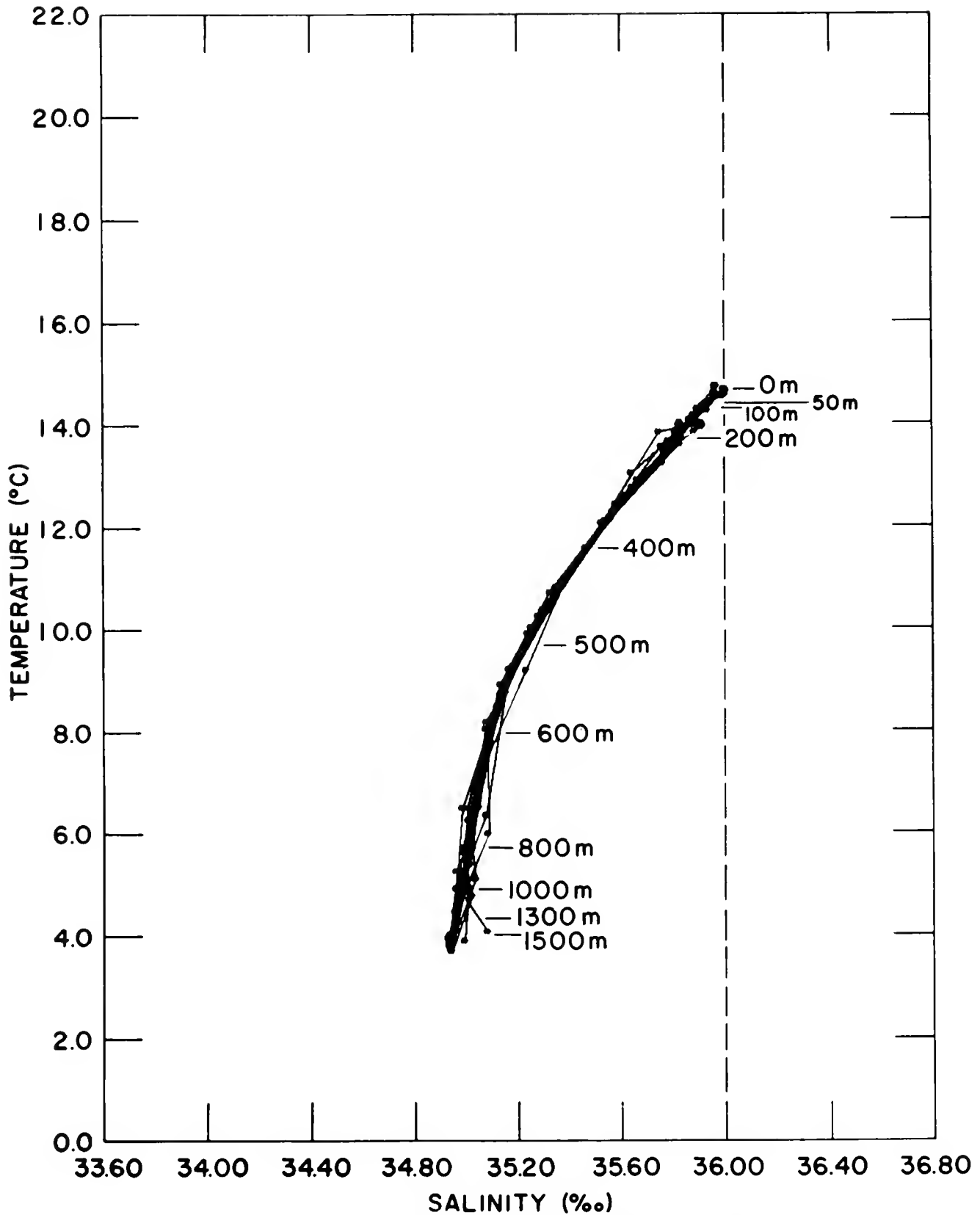


FIGURE 10.—Temperature versus salinity curves, USCGC DUANE, 2 February to 23 February 1969.

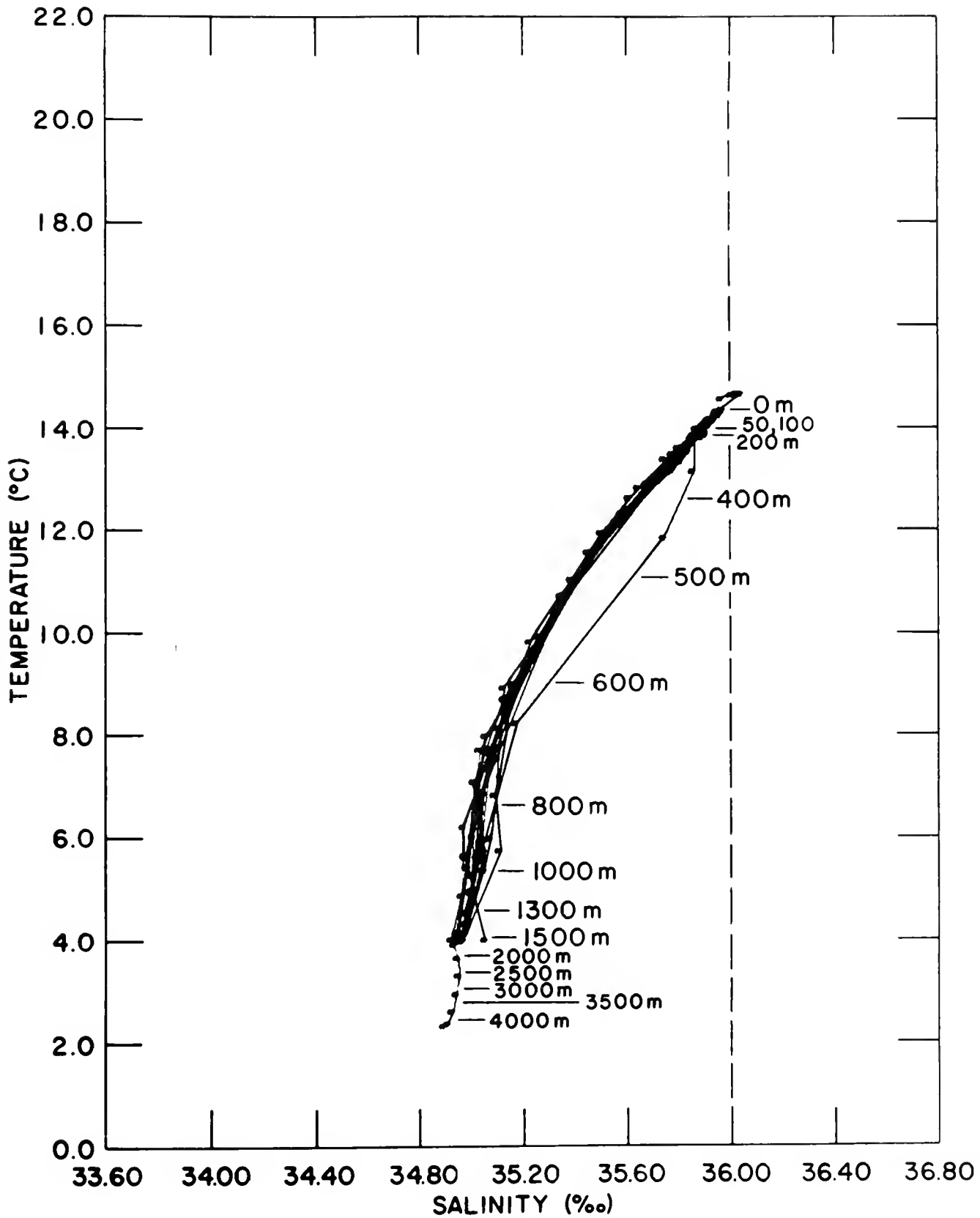


FIGURE 11.—Temperature versus salinity curves, USCGC DALLAS, 24 February to 18 March 1969.

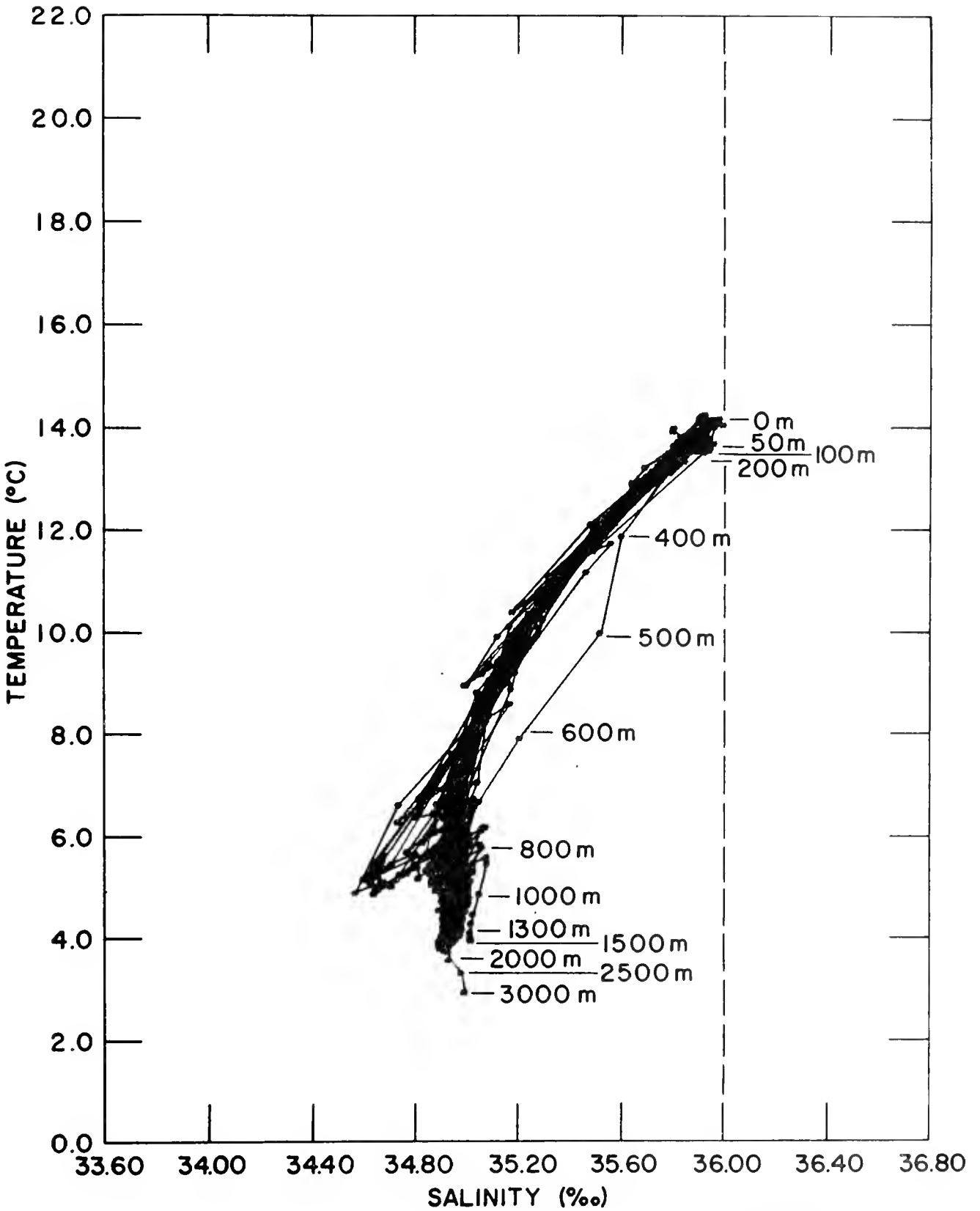


FIGURE 12.—Temperature versus salinity curves, USCGC ESCANABA, 11 April to 4 May 1969.

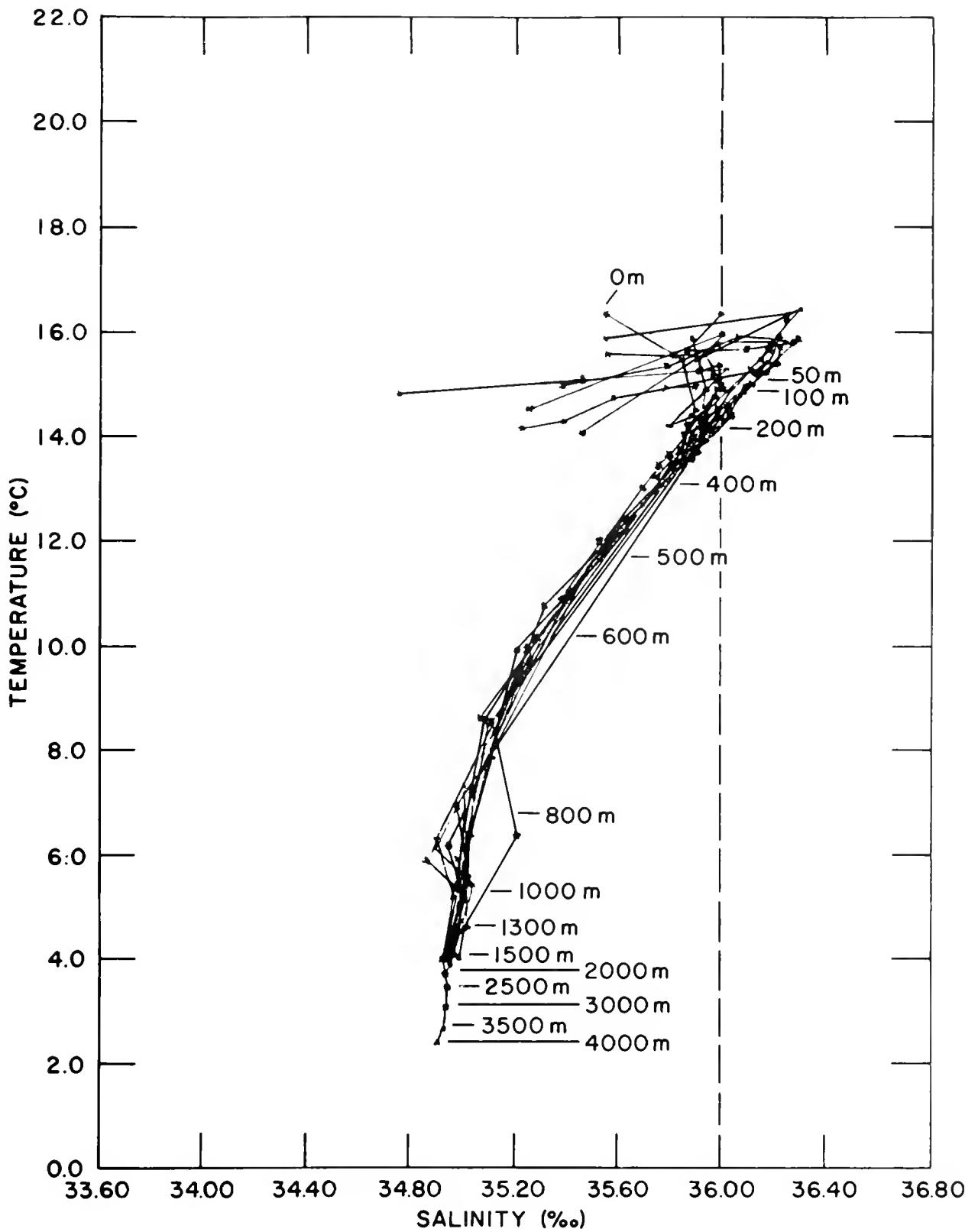


FIGURE 13.—Temperature versus salinity curves, USCGC HALFMOON, 29 May to 19 June 1969.

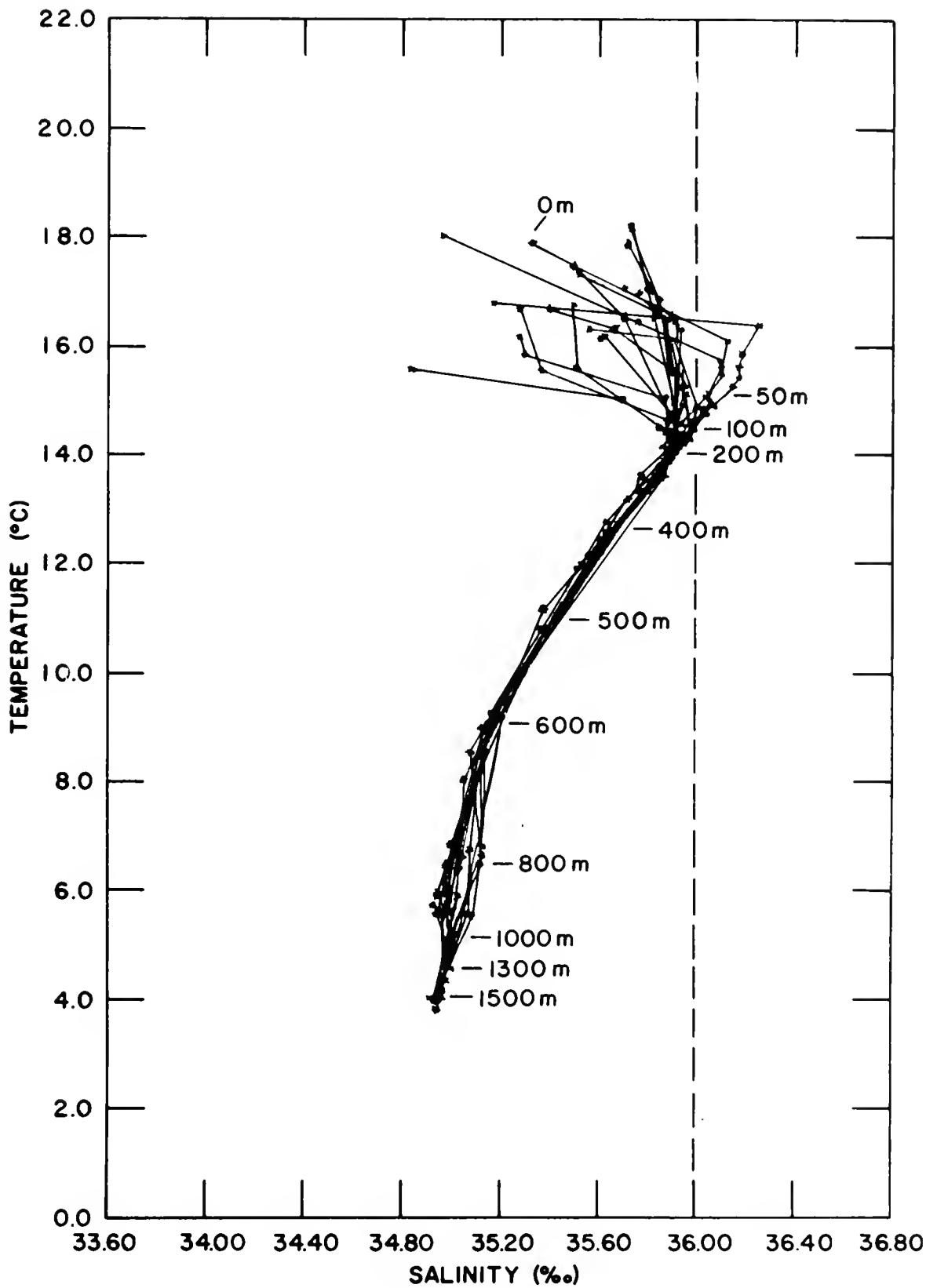


FIGURE 14.—Temperature versus salinity curves, USCGC BIBB, 21 June to 11 July 1969.

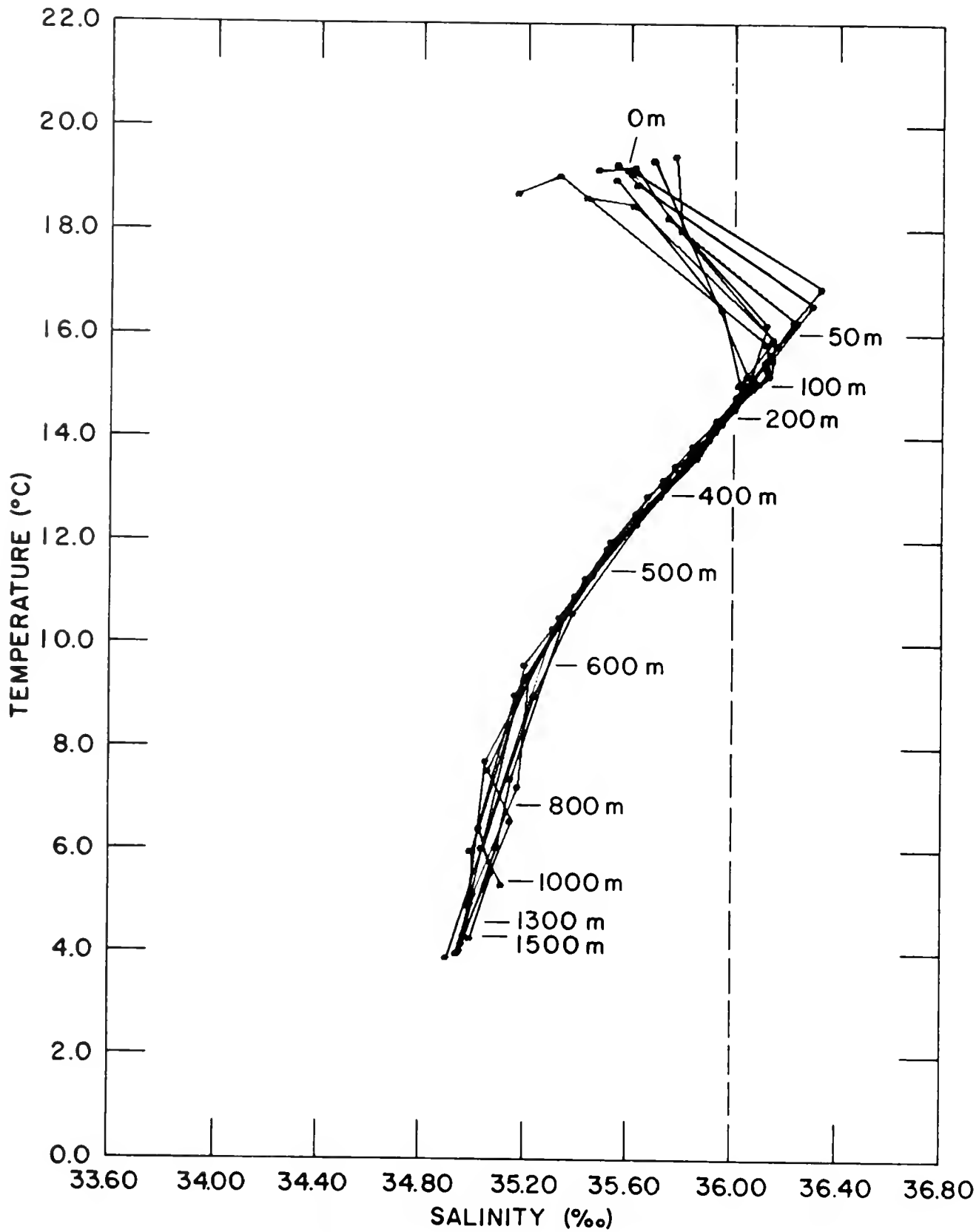


FIGURE 15.—Temperature versus salinity curves, USCGC INGHAM, 14 July to 3 August 1969.

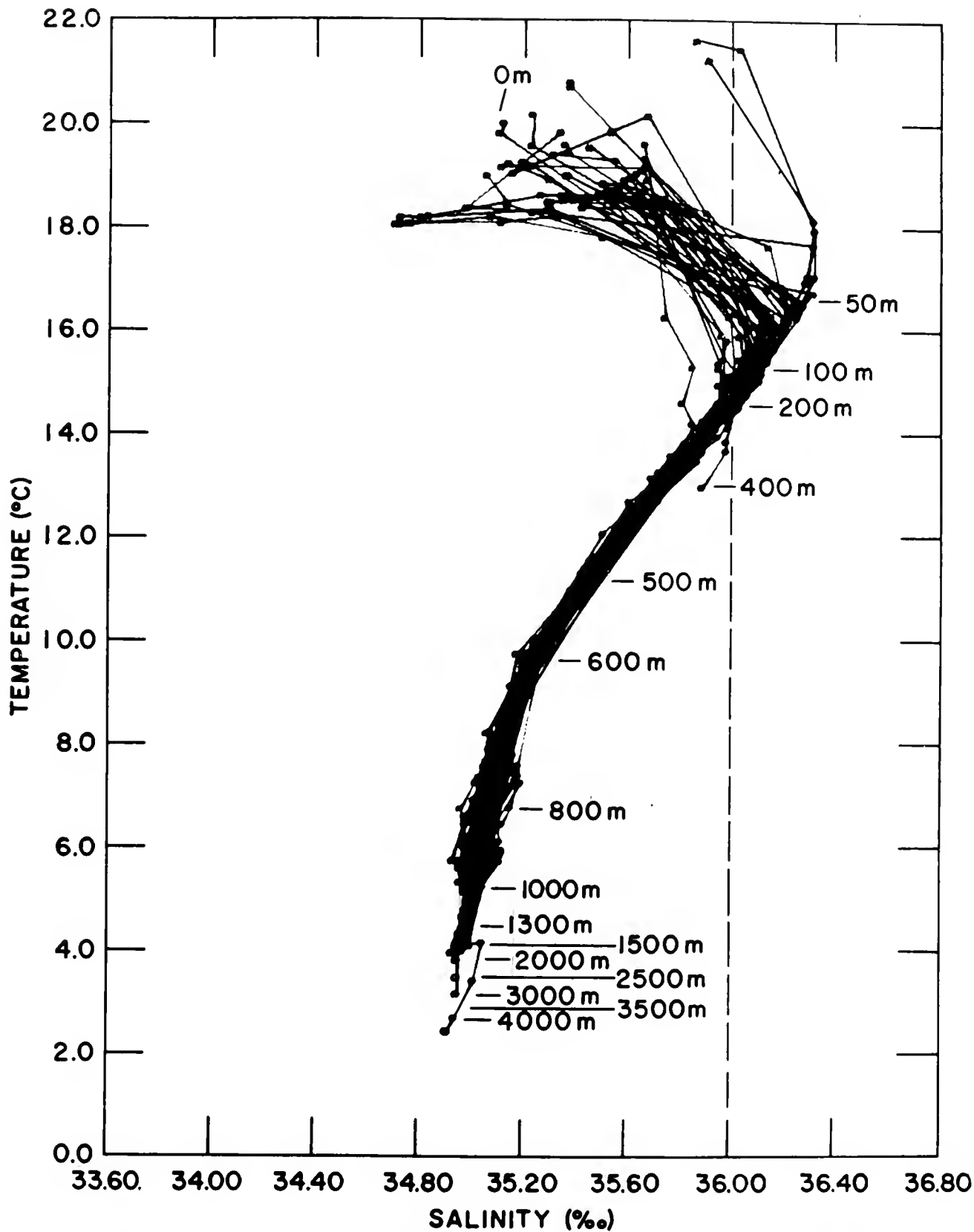


FIGURE 16.—Temperature versus salinity curves, USCGC YAKUTAT, 5 August to 26 August 1969.

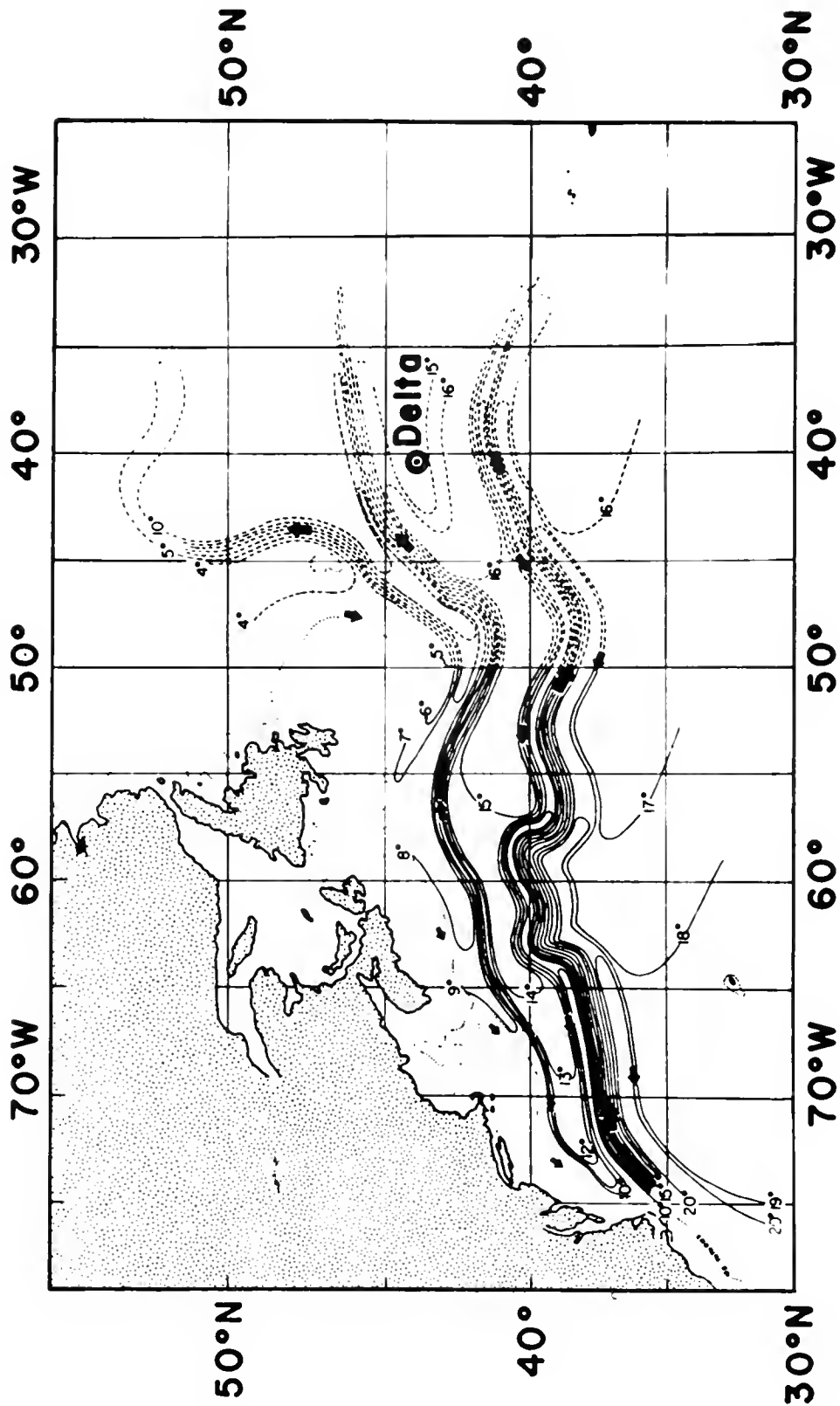


FIGURE 17.—Schematic chart of temperature (°C) at a depth of 200 meters in the Gulf Stream Area (after Fuglister, 1951).

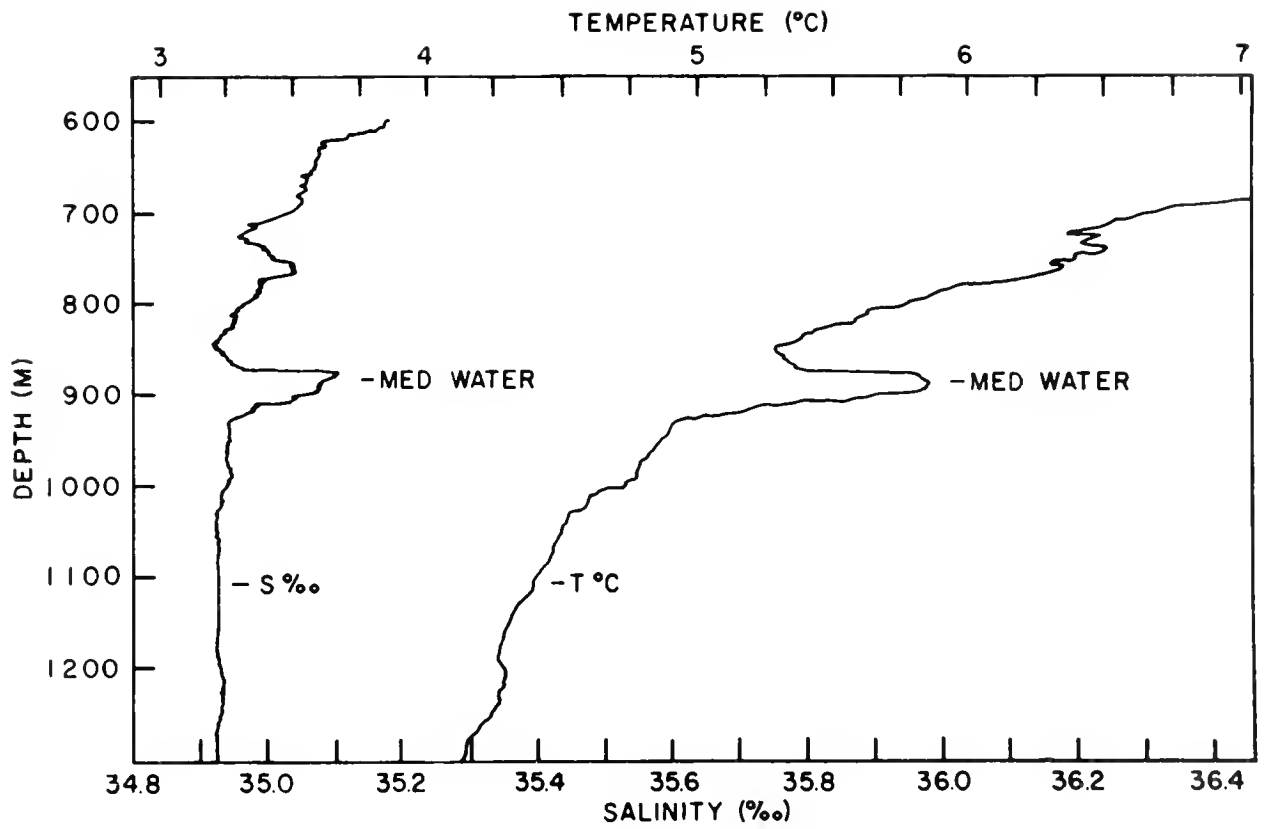


FIGURE 18.—A portion of the uncorrected analog trace for station 10, cruise D32.

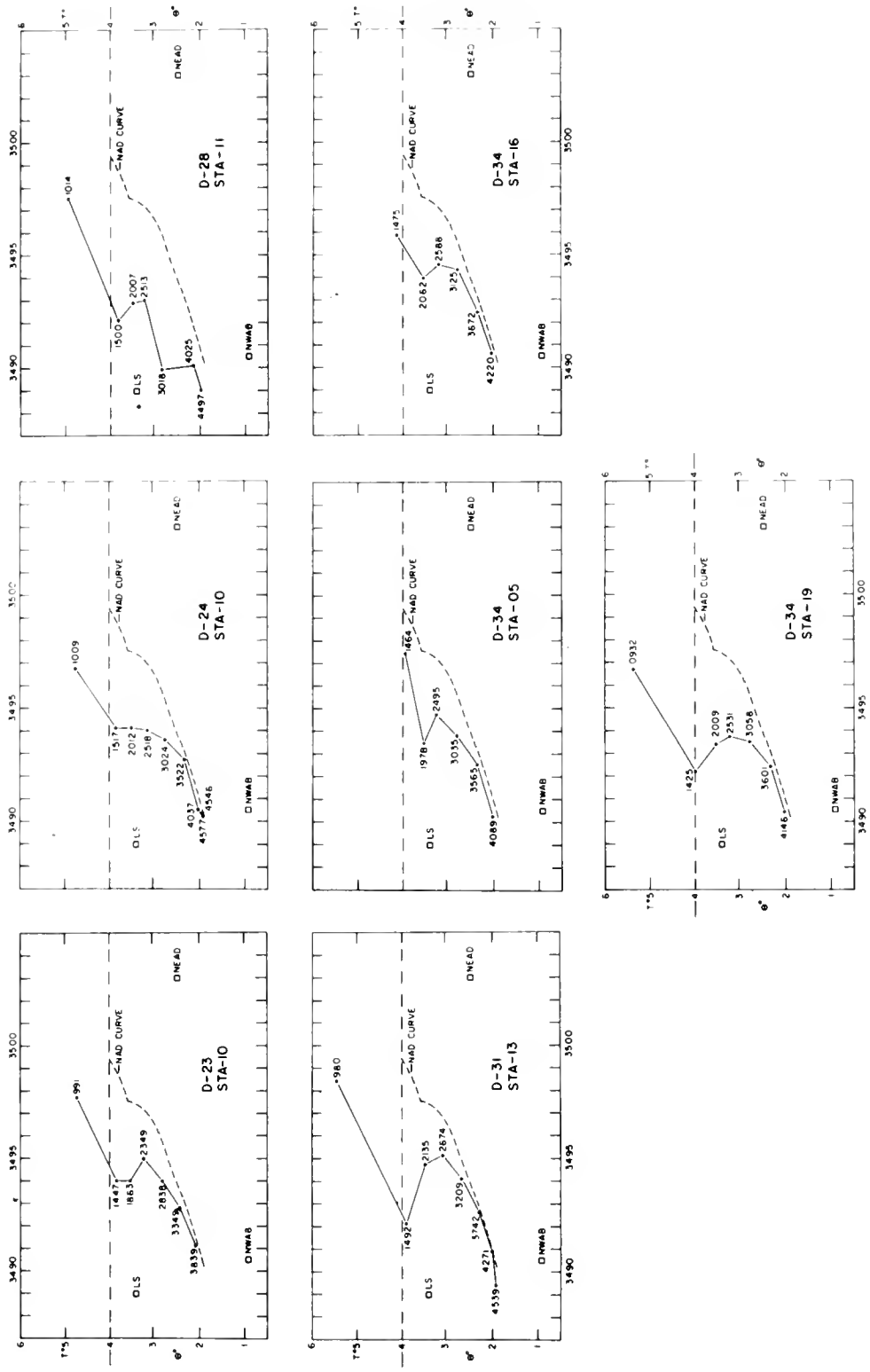


FIGURE 19.—Temperature (potential temperature for all temperatures less than 4°C) versus salinity curves for deep stations greater than 1500 meters on Ocean Station DELTA.

- NAD North Atlantic Deep water
- LS Labrador Sea water
- NWAB Northwest Atlantic Bottom water
- NEAD Northeast Atlantic Deep water

APPENDIX A

OCEANOGRAPHIC DATA

Cruises Listed

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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.

Codes Utilized—Cont.

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.
LVLTYP	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 and interpolated oceanographic data for stations taken by USCGC ABSECON at Ocean Station DELTA, 26 August–15 September 1968, prepared from NODC listing No. 31-1319 AZ.

REFID 31 1319 YEAR 1968 BOTDP 04480 AIR TEMP 15.4 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1306
 CONSEC 0001 MCNTH 08 SHIP AZ WET BULB 12.4 00 3 5 WIND-SPO 19 TRACE DIR 5 SQUARE 1
 LAT 43 53.2N DAY 26 DATA USE 1 BAROMETR 1022.1 SEA WIND-FDR DURATION 2 SQUARE 20
 LONG 040 50 W HOUR 13.0 AREA 05 CLCUD T/A B/E CL/TPR WEATHER X2 CRIG 023 001 1 SQUARE 30

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TGT P	NO2	NO3	SIO3	PH
	STD	00000	15.58	35.25	26.05	00.000	1509.5							
13.0	OBS	00000	15.58	35.252	26.05		1509.5							
	STD	00010	15.57	35.25	26.06	00.019	1509.6							
	STD	00020	15.55	35.25	26.06	00.039	1509.8							
13.0	OBS	00022	15.55	35.255	26.06		1509.8							
	STD	00030	15.93	35.25	26.05	00.059	1511.2							
13.0	OBS	00044	16.10	35.526	26.15		1512.2							
	STD	00050	15.72	35.63	26.32	00.090	1511.3							
13.0	OBS	00067	14.99	35.862	26.66		1509.5							
	STD	00075	14.89	35.92	26.72	00.124	1509.4							
13.0	OBS	00088	14.77	35.980	26.80		1505.3							
	STD	00100	14.77	35.97	26.75	00.167	1509.5							
	STD	00125	14.68	35.96	26.80	00.200	1509.6							
13.0	OBS	00130	14.65	35.961	26.81		1509.6							
	STD	00150	14.43	35.92	26.82	00.232	1509.2							
13.0	OBS	T00173	14.18	35.871	26.84		1508.7							
	STD	00200	13.94	35.63	26.66	00.296	1508.3							
	STD	00250	13.44	35.74	26.40	00.358	1507.3							
13.0	OBS	00255	13.38	35.735	26.40		1507.2							
	STD	00300	12.86	35.66	26.45	00.419	1506.1							
13.0	OBS	T00334	12.37	35.589	26.49		1505.0							
	STD	00400	11.22	35.39	27.06	00.524	1501.8							
13.0	OBS	00417	10.86	35.340	27.08		1500.8							
13.0	OBS	T00498	08.80	35.081	27.23		1494.2							
	STD	00500	08.78	35.08	27.23	00.637	1494.2							
	STD	00600	07.82	34.98	27.31	00.723	1492.1							
13.0	OBS	00660	07.19	34.969	27.39		1490.0							
	STD	00700	06.64	35.01	27.49	00.807	1489.2							
	STD	00800	05.48	35.08	27.70	00.868	1486.3							
13.0	OBS	T00818	05.30	35.087	27.73		1485.9							
13.0	OBS	01257	04.13	34.953	27.76		1486.2							

REFID 31 1319 YEAR 1968 BOTDP 04480 AIR TEMP 16.6 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1306
 CONSEC 0002 MCNTH 08 SHIP AZ WET BULB 16.1 00 2 3 WIND-SPO 10 TRACE DIR 5 SQUARE 1
 LAT 43 53.3N DAY 27 DATA USE 1 BAROMETR 1025.4 SEA WIND-FDR DURATION 2 SQUARE 20
 LONG 040 58 W HOUR 13.2 AREA 05 CLCUD T/A X/Y CL/TPR WEATHER X4 CRIG 023 002 1 SQUARE 30

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TGT P	NO2	NO3	SIO3	PH
	STD	00000	15.79	35.24	26.00	00.000	1510.2							
13.2	OBS	00000	15.79	35.240	26.00		1510.2							
	STD	00010	15.72	35.25	26.02	00.020	1510.1							
	STD	00020	15.64	35.25	26.04	00.040	1510.0							
13.2	OBS	00022	15.62	35.254	26.05		1510.0							
	STD	00030	15.50	35.56	26.21	00.058	1510.1							
13.2	OBS	00045	15.35	35.934	26.67		1510.4							
	STD	00050	15.34	35.96	26.65	00.090	1510.5							
13.2	OBS	00068	15.32	35.998	26.69		1510.7							
	STD	00075	15.17	35.99	26.71	00.124	1510.4							
13.2	OBS	00091	14.88	35.964	26.76		1509.7							
	STD	00100	14.63	35.96	26.77	00.158	1509.7							
	STD	00125	14.67	35.95	26.79	00.191	1509.6							
13.2	OBS	00136	14.59	35.946	26.81		1509.5							
	STD	00150	14.46	35.92	26.82	00.223	1509.5							
13.2	OBS	T00183	14.15	35.876	26.85		1508.7							
	STD	00200	13.97	35.85	26.87	00.266	1508.4							
	STD	00250	13.48	35.78	26.92	00.343	1507.5							
13.2	OBS	T00272	13.28	35.752	26.94		1507.2							
	STD	00300	13.11	35.72	26.95	00.408	1507.1							
13.2	OBS	T00360	12.56	35.632	26.95		1506.1							
	STD	00400	12.08	35.56	27.03	00.526	1505.0							
13.2	OBS	00452	11.19	35.431	27.09		1502.0							
	STD	00500	09.92	35.25	27.26	00.633	1496.6							
13.2	OBS	00540	09.03	35.135	27.24		1495.4							
	STD	00600	08.21	35.10	27.34	00.727	1493.7							
	STD	00700	07.07	35.07	27.48	00.805	1490.4							
13.2	OBS	00716	06.91	35.067	27.50		1490.5							
	STD	00800	06.25	35.09	27.61	00.872	1487.4							
13.2	OBS	T00896	05.60	35.096	27.70		1486.4							
13.2	OBS	T01341	04.68	34.962	27.77		1485.4							

TABLE I.—Observed and interpolated oceanographic data for stations taken by USCGC ABSECON at Ocean Station DELTA, 26 August–15 September 1968, prepared from NODC listing No. 31-1319 AZ.—Continued

REFID 31 1319	YEAR 1968	BOTOP 04480	AIR TEMP 18.9	DIR HGT PER	WIND-DIR 08	INST NANSEN CAST	TEN SQ 1306
CONSEC 0003	MONTH 08	SHIP AZ	WET BULB 17.8	01 1 3	WIND-SPO 14	TRACE DIR	5 SQUARE 1
LAT 43 55.5N	OAY 28	DATA USE 1	BAROMETR 1030.1	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 041 13 W	HOOR 13.3	AREA 05	CLOUD T/A /0	CL/TR	WEATHER X0	ORIG 023 003	1 SQUARE 31

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	16.52	35.40	25.95	00.000	1512.6							
13.3	OBS	00000	16.52	35.4	25.95		1512.0							
	STO	00010	16.27	35.44	26.04	00.020	1512.0							
	STO	00020	16.04	35.47	26.12	00.039	1511.5							
13.3	OBS	00027	15.89	35.5	26.17		1511.2							
	STO	00030	15.83	35.56	26.24	00.058	1511.2							
	STO	00050	15.49	35.88	26.56	00.091	1510.8							
13.3	OBS	00052	15.46	35.9	26.58		1510.8							
	STO	00075	15.24	36.00	26.71	00.127	1510.0							
13.3	OBS	00079	15.19	36.0	26.72		1510.5							
	STO	00100	14.90	35.92	26.72	00.161	1509.8							
13.3	OBS	00105	14.83	35.9	26.72		1509.7							
	STO	00125	14.58	35.86	26.75	00.195	1509.2							
	STO	00150	14.27	35.82	26.78	00.228	1508.5							
13.3	OBS	00158	14.18	35.8	26.78		1508.3							
	STO	00200	13.70	35.71	26.82	00.254	1507.4							
13.3	OBS	T00209	13.61	35.7	26.83		1507.2							
	STO	00250	13.44	35.70	26.86	00.358	1507.3							
	STO	00300	13.07	35.70	26.94	00.420	1506.9							
13.3	OBS	00312	12.96	35.7	26.96		1506.7							
	STO	00400	11.81	35.44	26.99	00.539	1503.9							
13.3	OBS	T00417	11.54	35.4	27.01		1503.2							
	STO	00500	10.01	35.24	27.15	00.650	1498.9							
13.3	OBS	00515	09.71	35.2	27.18		1498.0							
	STO	00600	07.83	34.93	27.27	00.747	1492.1							
13.3	OBS	T00616	07.55	34.9	27.28		1491.2							
	STO	00700	06.81	34.95	27.43	00.832	1489.8							
	STO	00800	06.07	35.00	27.56	00.903	1488.6							
13.3	OBS	00817	05.96	35.0	27.58		1488.4							
	STO	00900	05.51	35.00	27.64	00.964	1487.9							
	STO	01000	05.03	35.00	27.69	01.020	1487.7							
13.3	OBS	T01017	04.96	35.0	27.70		1487.7							
13.3	OBS	01553	03.81	34.9	27.75		1491.7							

REFID 31 1319	YEAR 1968	BOTOP 04480	AIR TEMP 19.4	DIR HGT PER	WIND-DIR 11	INST NANSEN CAST	TEN SQ 1306
CONSEC 0004	MONTH 08	SHIP AZ	WET BULB 18.3	14 2 4	WIND-SPO 08	TRACE DIR	5 SQUARE 1
LAT 44 06 N	OAY 29	DATA USE 1	BAROMETR 1031.8	SEA	WIND-FOR	CURATION	2 SQUARE 40
LONG 040 48 W	HOOR 13.1	AREA 05	CLOUD T/A X/9	CL/TR	WEATHER X4	ORIG 023 004	1 SQUARE 40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	17.73	35.14	25.46	00.000	1515.9							
13.1	OBS	00000	17.73	35.136	25.46		1515.9							
	STO	00010	17.53	35.35	25.67	00.024	1515.7							
	STO	00020	17.19	35.55	25.91	00.046	1515.1							
13.1	OBS	00023	17.06	35.606	25.98		1514.8							
	STO	00030	16.53	35.77	26.23	00.066	1513.6							
13.1	OBS	C0045	15.70	35.987	26.59		1511.5							
	STO	00050	15.57	35.98	26.62	00.098	1511.2							
13.1	OBS	00067	15.23	35.978	26.65		1510.4							
	STO	00075	15.18	35.99	26.71	00.133	1510.4							
13.1	OBS	00090	15.03	35.993	26.75		1510.2							
	STO	00100	14.81	35.96	26.77	00.167	1509.6							
	STO	00125	14.31	35.87	26.81	00.199	1508.3							
13.1	OBS	00134	14.15	35.842	26.82		1507.9							
	STO	C0150	13.87	35.79	26.85	00.231	1507.2							
13.1	OBS	T00177	13.48	35.731	26.88		1506.3							
	STO	00200	13.39	35.73	26.89	00.293	1506.4							
	STO	00250	13.09	35.70	26.93	00.354	1506.2							
13.1	OBS	00263	12.99	35.685	26.94		1506.0							
	STO	00300	12.67	35.63	26.97	00.413	1505.5							
13.1	OBS	T00347	12.06	35.539	27.01		1504.0							
	STO	00400	11.04	35.39	27.09	00.520	1501.2							
13.1	OBS	00429	10.47	35.315	27.13		1499.5							
	STO	00500	09.05	35.13	27.23	00.627	1495.3							
13.1	OBS	T00512	08.83	35.105	27.25		1494.6							
	STO	00600	07.48	35.03	27.40	00.714	1490.8							
13.1	OBS	C0683	06.51	34.999	27.51		1488.4							
	STO	00700	06.40	35.01	27.53	00.788	1488.2							
	STO	00800	05.78	35.04	27.63	00.850	1487.4							
13.1	OBS	T00860	05.45	35.050	27.68		1487.1							
13.1	OBS	T01339	03.99	34.956	27.77		1489.0							

TABLE I.—Observed and interpolated oceanographic data for stations taken by USCGC ABSECON at Ocean Station DELTA, 26 August–15 September 1968, prepared from NODC listing No. 31–1319 AZ.—Continued

REFID 31 1319	YEAR 1968	BOTDP 04480	AIR TEMP 19.4	DIR HGT PER	WIND-DIR 10	INST NANSEN CAST	TEN SQ 1306
CONSEC 0005	MONTH 08	SHIP AZ	WET BULB 18.3	09 1 0	WIND-SPO 15	TRACE DIR	5 SQUARE 1
LAT 43 57.5N	DAY 30	DATA USE 1	BAROMETR 1032.2	SEA	WIND-FDR	DURATION	2 SQUARE 20
LONG 040 56.7W	HRUR 13.0	AREA 05	CLOUD T/A X/9	CL/TR	WEATHER X4	DRIG 023 G05	1 SQUARE 30

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	S103	PH
	STD	00000	18.00	35.45	25.64	00.000	1517.0							
13.0	OBS	00000	18.00	35.451	25.64		1517.0							
	STD	00010	17.38	35.71	25.99	00.022	1515.7							
	STD	00020	16.86	35.90	26.26	00.041	1514.6							
13.0	OBS	00026	16.59	35.988	26.39		1513.9							
	STD	00030	16.45	36.01	26.43	00.058	1513.6							
	STD	00050	15.85	36.06	26.61	00.088	1512.2							
13.0	OBS	00053	15.78	36.061	26.63		1512.0							
	STD	00075	15.42	36.02	26.68	00.124	1511.2							
13.0	OBS	00081	15.29	36.001	26.70		1510.9							
	STD	00100	14.79	35.93	26.75	00.158	1509.5							
13.0	OBS	00107	14.62	35.904	26.77		1509.0							
	STD	00125	14.30	35.84	26.79	00.191	1508.2							
	STD	00150	13.89	35.77	26.83	00.225	1507.2							
13.0	OBS	00162	13.70	35.743	26.84		1506.8							
	STD	00200	13.15	35.67	26.90	00.285	1505.5							
13.0	OBS	TCC215	12.98	35.644	26.91		1505.1							
	STD	00250	12.85	35.63	26.93	00.346	1505.3							
	STD	00300	12.66	35.62	26.96	00.406	1505.4							
13.0	OBS	00321	12.58	35.615	26.97		1505.5							
	STD	00400	10.98	35.38	27.09	00.519	1500.9							
13.0	OBS	T00426	10.49	35.314	27.13		1499.5							
	STD	00500	09.27	35.20	27.25	00.619	1496.2							
13.0	OBS	00532	08.69	35.144	27.30		1494.5							
	STD	00600	07.19	35.00	27.41	00.705	1489.7							
13.0	OBS	T00638	06.50	34.959	27.48		1487.5							
	STD	00700	05.62	34.98	27.60	00.773	1485.1							
13.0	OBS	00745	05.12	34.990	27.67		1483.8							
	STD	00800	05.02	34.99	27.68	00.828	1484.3							
	STD	00900	04.84	34.98	27.70	00.879	1485.2							
	STD	01000	04.66	34.97	27.71	00.930	1486.1							
13.0	OBS	T01049	04.58	34.967	27.72		1486.6							
13.0	OBS	01565	03.74	34.939	27.79		1491.7							

REFID 31 1319	YEAR 1968	BOTDP 04480	AIR TEMP 18.9	DIR HGT PER	WIND-DIR 23	INST NANSEN CAST	TEN SQ 1306
CONSEC 0006	MONTH 08	SHIP AZ	WET BULB 18.9	16 1 3	WIND-SPO 06	TRACE DIR	5 SQUARE 1
LAT 44 03 N	DAY 31	DATA USE 1	BAROMETR 1029.1	SEA	WIND-FDR	DURATION	2 SQUARE 40
LONG 041 07 W	HRUR 13.3	AREA 05	CLOUD T/A X/9	CL/TR	WEATHER X4	DRIG 023 006	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	S103	PH
	STD	00000	17.33	35.51	25.84	00.000	1515.1							
13.3	OBS	00000	17.33	35.510	25.84		1515.1							
	STD	00010	16.47	35.53	26.07	00.020	1512.8							
	STD	00020	15.87	35.56	26.22	00.039	1511.1							
13.3	OBS	00025	15.66	35.568	26.28		1510.6							
	STD	00030	15.65	35.70	26.38	00.056	1510.8							
	STD	00050	15.62	36.02	26.63	00.087	1511.4							
13.3	OBS	00051	15.62	36.027	26.64		1511.4							
	STD	00075	15.03	35.98	26.74	00.122	1509.9							
13.3	OBS	00076	15.02	35.982	26.74		1509.9							
	STD	00100	15.04	35.99	26.74	00.155	1510.4							
13.3	OBS	00102	15.04	35.986	26.74		1510.4							
	STD	00125	14.62	35.93	26.79	00.189	1509.4							
	STD	00150	14.24	35.87	26.82	00.221	1508.5							
13.3	OBS	00152	14.21	35.862	26.83		1508.4							
	STD	00200	13.69	35.72	26.82	00.285	1507.3							
13.3	OBS	T00203	13.66	35.710	26.82		1507.3							
	STD	00250	13.43	35.69	26.86	00.349	1507.3							
	STD	00300	13.10	35.66	26.90	00.412	1506.9							
13.3	OBS	00305	13.06	35.652	26.90		1506.9							
	STD	00400	12.17	35.55	27.00	00.533	1505.3							
13.3	OBS	T00409	12.05	35.536	27.01		1505.0							
	STD	00500	10.50	35.26	27.09	00.640	1500.7							
13.3	OBS	00508	10.35	35.243	27.10		1500.3							
	STD	00600	08.50	35.09	27.28	00.746	1494.8							
13.3	OBS	T00615	08.24	35.068	27.31		1494.0							
	STD	00700	07.05	35.04	27.46	00.829	1490.8							
	STD	00800	05.93	35.01	27.59	00.897	1488.0							
13.3	OBS	00812	05.82	35.007	27.60		1487.8							
	STD	00900	05.24	34.99	27.66	00.956	1486.9							
	STD	01000	04.70	34.97	27.71	01.009	1486.3							
13.3	OBS	T01023	04.59	34.964	27.71		1486.2							
13.3	OBS	01523	03.82	34.930	27.77		1491.3							

TABLE I.—Observed and interpolated oceanographic data for stations taken by USCGC ABSECON at Ocean Station DELTA, 26 August–15 September 1968, prepared from NODC listing No. 31-1319 AZ.—Continued

REFID	31	1319	YEAR	1968	8DTOP	C4480	AIR TEMP	18.5	DIF HGT PER	WIND-DIR	12	INST NANSEN	CAST	TEN SQ	1306
CONSEC		0007	MONTH	09	SHIP AZ		WET BULB	15.6		WIND-SPD	20	TRACE DIR		5 SQUARE	1
LAT	43	56	N	DAY	01	DATA USE	1	BAROMETR	1022.4	SEA		DURATION		2 SQUARE	20
LONG	C41	04	W	HOUR	13.9	AREA	C5	CLOUD T/4	X/9	CL/TR		WEATHER	X6	CRIG D25	007
														1 SQUARE	31

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
	STD	00000	18.04	34.99	25.27	00.000	1516.6							
13.9	OBS	00000	18.04	34.989	25.27		1516.6							
	STD	00010	17.78	35.29	25.56	00.025	1516.3							
	STD	00020	17.46	35.54	25.83	00.048	1515.9							
	STD	00030	17.15	35.74	26.06	00.069	1515.4							
13.9	OBS	00031	17.12	35.757	26.06		1515.3							
	STD	00050	16.33	36.00	26.46	00.105	1515.0							
13.9	OBS	00051	15.94	36.067	26.40		1515.6							
	STD	00075	15.51	36.01	26.65	00.143	1511.5							
13.9	OBS	00092	15.08	35.952	26.71		1510.3							
	STD	00100	14.95	35.94	26.72	00.177	1510.0							
13.9	OBS	00122	14.59	35.884	26.76		1509.2							
	STD	00125	14.52	35.87	26.77	00.211	1509.0							
	STD	00150	14.01	35.77	26.80	00.244	1507.6							
13.9	OBS	00185	13.47	35.691	26.85		1506.3							
	STD	00200	13.37	35.69	26.87	00.307	1506.2							
13.9	OBS	T00246	13.04	35.686	26.93		1505.9							
	STD	00250	13.03	35.68	26.93	00.369	1505.9							
	STD	00300	12.78	35.65	26.96	00.428	1505.9							
13.9	OBS	00364	12.09	35.557	27.02		1504.5							
	STD	00400	11.35	35.44	27.07	00.542	1502.3							
13.9	OBS	T00480	09.78	35.230	27.19		1497.8							
	STD	00500	09.34	35.19	27.23	00.645	1496.4							
	STD	00600	07.61	35.05	27.35	00.733	1491.4							
13.9	OBS	00600	07.61	35.049	27.39		1491.4							
	STD	00700	06.74	35.06	27.52	00.807	1489.6							
13.9	OBS	T00719	06.58	35.064	27.55		1489.3							
	STD	00800	05.87	35.03	27.61	00.871	1487.8							
	STD	00900	05.18	35.00	27.67	00.928	1486.6							
13.9	OBS	00958	04.87	34.982	27.70		1486.3							
	STD	01000	04.76	34.98	27.71	00.980	1486.5							
	STD	01100	04.51	34.97	27.73	01.030	1487.1							
13.9	OBS	T01196	04.30	34.961	27.74		1487.9							
13.9	OBS	T01778	03.67	34.936	27.75		1495.0							

REFID	31	1319	YEAR	1968	8DTOP	04480	AIR TEMP	20.0	DIF HGT PER	WIND-DIR	22	INST NANSEN	CAST	TEN SQ	1306
CONSEC		0008	MONTH	09	SHIP AZ		WET BULB	19.4		WIND-SPD	12	TRACE DIR		5 SQUARE	1
LAT	43	59	N	DAY	02	DATA USE	1	BAROMETR	1016.0	SEA		DURATION		2 SQUARE	20
LONG	041	03	W	HOUR	13.3	AREA	C5	CLOUD T/4	X/9	CL/TR		WEATHER	X4	CRIG D25	008
														1 SQUARE	31

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
	STD	00000	17.96	35.17	25.43	00.000	1516.6							
13.3	OBS	00000	17.96	35.166	25.43		1516.6							
	STD	00010	17.92	35.28	25.52	00.025	1516.8							
	STD	00020	17.73	35.41	25.67	00.049	1516.5							
13.3	OBS	00027	17.51	35.520	25.81		1516.1							
	STD	00030	17.29	35.60	25.92	00.071	1515.6							
	STD	00050	16.17	35.97	26.47	00.108	1515.0							
13.3	OBS	00053	16.05	36.065	26.53		1512.8							
	STD	00075	15.61	36.02	26.64	00.146	1511.8							
13.3	OBS	00079	15.53	36.018	26.65		1511.6							
	STD	00100	15.12	35.99	26.72	00.180	1510.6							
13.3	OBS	00105	15.03	35.980	26.74		1510.4							
	STD	00125	14.68	35.93	26.77	00.214	1509.6							
	STD	00150	14.31	35.86	26.80	00.247	1508.7							
13.3	OBS	00159	14.19	35.840	26.81		1508.4							
	STD	00200	13.75	35.74	26.83	00.311	1507.6							
13.3	OBS	T00202	13.73	35.736	26.83		1507.5							
	STD	00250	13.34	35.71	26.89	00.374	1507.0							
	STD	00300	12.77	35.65	26.96	00.435	1505.8							
13.3	OBS	00317	12.54	35.617	26.98		1505.3							
	STD	00400	11.07	35.39	27.08	00.549	1501.3							
13.3	OBS	T00427	10.57	35.324	27.12		1499.9							
	STD	00500	09.15	35.16	27.24	00.650	1495.7							
13.3	OBS	00532	08.52	35.102	27.29		1493.8							
	STD	00600	07.04	34.98	27.42	00.736	1489.1							
13.3	OBS	00639	06.38	34.932	27.47		1487.0							
	STD	00700	05.96	34.96	27.55	00.806	1486.4							
	STD	00800	05.38	34.99	27.65	00.866	1485.8							
13.3	OBS	C0855	05.11	35.003	27.69		1485.6							
	STD	00900	04.94	35.00	27.70	00.919	1485.6							
	STD	01000	04.61	34.98	27.73	00.969	1485.9							
13.3	OBS	T01064	04.43	34.973	27.74		1486.2							
13.3	OBS	01615	03.76	34.914	27.76		1492.6							

TABLE I.—Observed and interpolated oceanographic data for stations taken by USCGC ABSECON at Ocean Station DELTA, 26 August–15 September 1968, prepared from NODC listing No. 31-1319 AZ.—Continued

REFID 31 1319	YEAR 1968	BCTOP 04480	AIR TEMP 12.8	DIP HGT PER	WIND-DIR 34	INST NANSEN CAST	TEN SQ 1306
CONSEC 0009	MONTH 09	SHIP AZ	WET BULB 10.6	48 2 3	WIND-SPD 15	TRACE DIR	5 SQUARE 1
LAT 44 07 N	DAY 04	DATA USE 1	BAROMETR 1022.7	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 041 09.54	HOUR 13.3	AREA 05	CLCUD T/A 8/8	CL/TR	WEATHER X2	CRIG 023 C09	1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
13.3	STO	00000	16.83	35.46	25.93	00.000	1513.6							
	DBS	00000	16.83	35.462	25.93		1513.6							
	STO	00010	16.72	35.47	25.96	00.020	1513.4							
	STO	00020	16.61	35.47	25.99	00.041	1513.3							
13.3	DBS	00026	16.54	35.474	26.00		1513.2							
	STO	00030	16.21	35.54	26.14	00.060	1512.3							
	STO	00050	15.13	35.83	26.60	00.094	1505.6							
13.3	DBS	00051	15.10	35.840	26.61		1509.6							
	STO	00075	15.16	36.04	26.74	00.129	1510.4							
13.3	DBS	00076	15.16	36.025	26.74		1510.4							
	STO	00100	14.86	36.30	26.79	00.162	1505.8							
13.3	DBS	00101	14.86	35.996	26.79		1509.8							
	STO	00125	14.53	35.94	26.82	00.194	1509.1							
	STO	00150	14.21	35.88	26.84	00.226	1508.4							
13.3	DBS	00152	14.19	35.881	26.84		1508.4							
	STO	00200	13.67	35.80	26.85	00.288	1507.4							
13.3	DBS	T00222	13.65	35.797	26.85		1507.3							
	STO	00250	13.37	35.77	26.93	00.349	1507.2							
13.3	DBS	00299	12.99	35.719	26.97		1506.6							
	STO	00300	12.98	35.72	26.97	00.406	1506.6							
13.3	DBS	T00297	11.95	35.541	27.04		1504.5							
	STO	00400	11.89	35.53	27.04	00.524	1504.3							
13.2	DBS	00491	10.03	35.248	27.16		1498.9							
	STO	00500	09.81	35.22	27.18	00.651	1498.2							
13.3	DBS	T00583	08.08	35.056	27.33		1492.9							
	STO	00600	07.89	35.06	27.36	00.723	1492.5							
	STO	00700	06.89	35.08	27.52	00.799	1490.2							
13.3	DBS	00774	06.25	35.084	27.61		1489.0							
	STO	00800	06.06	35.07	27.63	00.862	1488.6							
	STO	00900	05.39	35.04	27.68	00.919	1487.5							
13.3	DBS	T00969	05.00	35.022	27.71		1487.1							
13.3	DBS	T01429	03.86	34.940	27.77		1485.9							

REFID 31 1319	YEAR 1968	BCTOP 04480	AIR TEMP 16.1	DIP HGT PER	WIND-DIR 08	INST NANSEN CAST	TEN SQ 1306
CONSEC 0010	MONTH 09	SHIP AZ	WET BULB 13.5	35 4 3	WIND-SPD 22	TRACE DIR	5 SQUARE 1
LAT 43 46 N	DAY 05	DATA USE 1	BAROMETR 1020.7	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 040 53 W	HOUR 13.2	AREA 05	CLCUD T/A 7/8	CL/TR	WEATHER X2	CRIG 023 010	1 SQUARE 30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
13.2	STO	00000	17.20	35.50	25.87	00.000	1514.7							
	DBS	00000	17.20	35.502	25.87		1514.7							
	STO	00010	17.17	35.50	25.88	00.021	1514.6							
	STO	00020	17.14	35.50	25.88	00.042	1514.9							
13.2	DBS	00026	17.12	35.502	25.89		1514.9							
	STO	00030	16.82	35.53	25.98	00.063	1514.1							
	STO	00050	15.71	35.68	26.35	00.101	1511.3							
13.2	DBS	00051	15.67	35.685	26.37		1511.2							
	STO	00075	15.33	35.95	26.65	00.140	1510.8							
13.2	DBS	00077	15.30	35.963	26.66		1510.8							
	STO	00100	14.96	35.96	26.74	00.174	1510.1							
13.2	DBS	00102	14.93	35.960	26.74		1510.0							
	STO	00125	14.66	35.94	26.75	00.207	1509.5							
	STO	00150	14.39	35.92	26.83	00.243	1509.0							
13.2	DBS	00153	14.36	35.913	26.83		1509.0							
	STO	00200	13.92	35.84	26.87	00.303	1508.2							
13.2	DBS	T00204	13.68	35.830	26.87		1508.2							
	STO	00250	13.52	35.78	26.91	00.365	1507.7							
	STO	00300	13.04	35.71	26.95	00.425	1506.8							
13.2	DBS	00302	13.02	35.705	26.95		1506.8							
13.2	DBS	T00399	11.80	35.506	27.04		1504.0							
	STO	00400	11.78	35.51	27.04	00.541	1503.9							
	STO	00500	09.96	35.26	27.18	00.648	1498.8							
13.2	DBS	00500	09.96	35.257	27.18		1498.8							
13.2	DBS	T00596	08.03	35.104	27.37		1493.0							
	STO	00600	07.98	35.10	27.36	00.740	1492.9							
	STO	00700	06.86	35.09	27.53	00.814	1490.1							
13.2	DBS	00792	06.00	35.064	27.62		1488.2							
	STO	00800	05.94	35.06	27.62	00.878	1488.1							
	STO	00900	05.23	35.03	27.68	00.934	1486.8							
13.2	DBS	T00991	04.71	34.977	27.71		1486.2							
13.2	DBS	T01447	03.83	34.940	27.78		1490.1							
	STO	01500	03.81	34.94	27.78		1490.9							
	STO	C1750	03.73	34.94	27.79		1494.8							
19.9	DBS	T01863	03.68	34.940	27.79		1496.5							
	STO	02000	03.62	34.94	27.80		1498.6							
19.9	DBS	T02349	03.42	34.950	27.83		1503.7							
	STO	02500	03.30	34.95	27.84		1505.8							
19.9	DBS	T02838	03.04	34.940	27.86		1510.5							
	STO	03000	02.93	34.94	27.86		1512.8							
19.9	DBS	T03349	02.71	34.928	27.88		1517.9							
19.9	DBS	03839	02.41	34.911	27.89		1525.2							

TABLE I.—Observed and interpolated oceanographic data for stations taken by USCGC ABSECON at Ocean Station DELTA, 26 August–15 September 1968, prepared from NODC listing No. 31-1319 AZ.—Continued

REFID 31 1319	YEAR 1968	BCTOP 04480	AIR TEMP 15.7	DIR HST PER	WIND-DIR 33	INST NANSEN CAST	TEN SQ 1306
CONSEC 0011	MONTH 09	SHIP AZ	WET BULB 13.3	36 3 3	WIND-SPD 15	TRACE DIR	5 SQUARE 1
LAT 44 03 N	DAY 08	DATA USE 1	BAROMETR 1018.6	SEA	WIND-FLG	DURATION	2 SQUARE 40
LONG 041 18 W	HOOR 13.3	AREA C5	CLOUD T/A 8/6	CL/T4	WEATHER X1	CRIG U23 011	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
	STD	00000	17.80	35.31	25.58	00.000	1516.3							
13.3	OBS	00000	17.80	35.311	25.58		1516.3							
	STD	00010	17.77	35.32	25.60	00.024	1518.4							
	STD	00020	17.74	35.33	25.61	00.048	1516.5							
13.3	OBS	00023	17.73	35.335	25.61		1516.5							
	STD	00030	17.26	35.33	25.73	00.071	1515.2							
13.3	OBS	00046	16.43	35.335	25.92		1513.0							
	STD	00050	16.32	35.52	26.09	00.113	1512.9							
13.3	OBS	00069	15.84	36.053	26.61		1512.4							
	STD	00075	15.70	36.04	26.64	00.156	1512.1							
13.3	OBS	00091	15.36	36.020	26.65		1511.3							
	STD	00100	15.31	36.01	26.70	00.191	1511.2							
	STD	00125	15.05	36.00	26.75	00.225	1510.8							
13.3	OBS	00138	14.87	35.995	26.78		1510.5							
	STD	00150	14.83	35.95	26.80	00.258	1509.8							
13.3	OBS	T00184	14.04	35.835	26.84		1508.4							
	STD	00200	13.84	35.80	26.66	00.322	1507.9							
	STD	00250	13.27	35.71	26.91	00.384	1506.8							
13.3	OBS	00275	13.03	35.680	26.93		1506.3							
	STD	00300	12.96	35.68	26.94	00.445	1506.5							
13.3	OBS	T00366	12.39	35.604	27.00		1505.6							
	STD	00400	11.75	35.49	27.03	00.562	1503.8							
13.3	OBS	00455	10.75	35.326	27.09		1501.0							
	STD	00500	09.98	35.22	27.14	00.671	1498.8							
13.3	OBS	T00542	09.24	35.134	27.20		1496.7							
	STD	00600	07.86	35.04	27.35	00.765	1492.3							
	STD	00700	06.13	34.95	27.52	00.840	1487.1							
13.3	OBS	00715	05.94	34.947	27.54		1486.6							
	STD	00800	05.50	34.98	27.62	00.903	1486.2							
13.3	OBS	T00886	05.11	35.003	27.69		1486.1							
13.3	OBS	T01354	03.95	34.950	27.77		1489.1							

REFID 31 1319	YEAR 1968	BCTOP 04480	AIR TEMP 16.7	DIR HST PER	WIND-DIR 34	INST NANSEN CAST	TEN SQ 1306
CONSEC 0012	MONTH 09	SHIP AZ	WET BULB 13.9	34 5 4	WIND-SPD 17	TRACE DIR	5 SQUARE 1
LAT 43 54 N	DAY 07	DATA USE 1	BAROMETR 1021.0	SEA	WIND-FLG	DURATION	2 SQUARE 20
LONG 040 58 W	HOOR 13.5	AREA C5	CLOUD T/A 7/6	CL/T4	WEATHER X1	CRIG D23 012	1 SQUARE 30

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
	STD	00000	17.01											
13.5	OBS	00000	17.01											
	STD	00010	17.03											
	STD	00020	17.05											
13.5	OBS	00025	17.06	35.389	25.82		1514.6							
	STD	00030	16.68	35.53	26.01		1513.7							
13.5	OBS	00049	15.64	35.894	26.53		1511.3							
	STD	00050	15.62	35.90	26.54		1511.3							
13.5	OBS	00074	15.22	35.947	26.70		1510.5							
	STD	00075	15.21	35.99	26.70		1510.5							
13.5	OBS	00098	15.04	36.015	26.76		1510.4							
	STD	00100	15.02	36.01	26.76		1510.3							
	STD	00125	14.69	35.94	26.78		1509.6							
	STD	00150	14.28	35.87	26.82		1508.6							
13.5	OBS	00154	14.21	35.856	26.82		1508.4							
13.5	OBS	T00199	13.26	35.698	26.90		1505.9							
	STD	00200	13.26	35.70	26.90		1505.9							
	STD	00250	13.01	35.61	26.86		1505.8							
13.5	OBS	00297	12.59	35.537	26.91		1505.0							
	STD	00300	12.55	35.53	26.91		1505.0							
13.5	OBS	T00396	11.13	35.411	27.09		1501.5							
	STD	00400	11.04	35.40	27.10		1501.2							
13.5	OBS	00454	09.11	35.186	27.27		1495.5							
	STD	00500	08.98	35.18	27.28		1495.1							
13.5	OBS	00593	07.34	35.042	27.42		1490.2							
	STD	00600	07.28	35.04	27.43		1490.1							
	STD	00700	06.43	35.04	27.55		1488.4							
13.5	OBS	00784	05.81											
	STD	00600	05.70	35.03	27.63		1487.1							
	STD	00500	05.11	35.02	27.70		1486.4							
13.5	OBS	T00956	04.83	35.017	27.73		1486.1							
13.5	OBS	T01408	03.87	34.958	27.79		1489.6							

TABLE I.—Observed and interpolated oceanographic data for stations taken by USCGC ABSECON at Ocean Station DELTA, 26 August–15 September 1968, prepared from NODC listing No. 31-1319 AZ.—Continued

REFID	31	1319	YEAR	1968	BOTOP	04480	AIR TEMP	15.6	OIR HGT PER	WIND-DIR	10	INST NANSEN	CAST	TEN SQ	1306
CONSEC		0013	MONTH	09	SHIP AZ		WET BULB	12.2	01 3 3	WIND-SPD	10	TRACE DIR		5	SQUARE 1
LAT	43	59.5N	OAY	09	DATA USE	1	BAROMETR	1023.4	SEA	WIND-FCR		URATION		2	SQUARE 20
LONG	041	16 W	HOUR	13.6	AREA	05	CLOUD T/A	3/7	CL/TR	WEATHER	X1	ORIG D23	013	1	SQUARE 31

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STO	00000	17.41	35.54	25.85	00.000	1515.4							
13.6	OBS	00000	17.41	35.537	25.85		1515.4							
	STO	00010	17.44	35.57	25.67	00.021	1515.7							
	STO	00020	17.47	35.61	25.89	00.042	1516.0							
13.6	OBS	00024	17.48	35.623	25.89		1516.1							
	STO	00030	17.07	35.77	26.11	00.063	1515.2							
13.6	OBS	00049	16.14	36.066	26.55		1513.0							
	STO	00050	16.13	36.07	26.55	00.097	1513.0							
13.6	OBS	00073	15.78	36.053	26.63		1512.3							
	STO	00075	15.74	36.05	26.63	00.134	1512.2							
13.6	OBS	00098	15.36	36.038	26.71		1511.4							
	STO	00100	15.35	36.04	26.71	00.169	1511.4							
	STO	00125	15.24	36.03	26.73	00.203	1511.5							
13.6	OBS	00146	15.11	36.020	26.75		1511.4							
	STO	00150	15.08	36.01	26.75	00.237	1511.4							
13.6	OBS	00194	14.67											
	STO	00200	14.53	35.86	26.76	00.305	1510.2							
	STO	00250	13.53	35.75	26.88	00.370	1507.7							
13.6	OBS	00292	12.91	35.666	26.94		1506.2							
	STO	00300	12.86	35.66	26.95	00.431	1506.1							
13.6	OBS	T00391	12.24	35.552	26.99		1505.4							
	STO	00400	12.04	35.52	27.01	00.549	1504.8							
13.6	OBS	T0485	10.25	35.288	27.15		1499.6							
	STO	00500	09.96	35.25	27.17	00.658	1498.8							
13.6	OBS	T00578	08.55	35.097	27.25		1494.6							
	STO	00600	08.10	35.07	27.33	00.752	1493.3							
	STO	00700	06.44	34.98	27.50	00.830	1488.3							
13.6	OBS	CC767	05.66	34.947	27.57		1486.3							
	STO	00800	05.52	34.96	27.60	00.895	1486.3							
	STO	00900	05.13	34.99	27.67	00.952	1486.4							
13.6	OBS	T00956	04.93	35.000	27.70		1486.5							
13.6	OBS	T01403	03.89	34.945	27.78		1485.6							

REFID	31	1319	YEAR	1968	BOTOP	04480	AIR TEMP	18.9	OIR HGT PER	WIND-DIR	03	INST NANSEN	CAST	TEN SQ	1306
CONSEC		0014	MONTH	09	SHIP AZ		WET BULB	16.6	15 3 2	WIND-SPD	21	TRACE DIR		5	SQUARE 1
LAT	43	55 N	OAY	10	DATA USE	1	BAROMETR	1022.0	SEA	WIND-FCR		URATION		2	SQUARE 20
LONG	041	06 W	HOUR	19.6	AREA	05	CLOUD T/A	8/5	CL/TR	WEATHER	X1	ORIG D23	014	1	SQUARE 31

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STO	00000	16.42	35.10	25.74	00.000	1511.9							
19.6	OBS	00000	16.42	35.096	25.74		1511.9							
	STO	00010	16.52	35.16	25.77	00.022	1512.5							
	STO	00020	16.66	35.23	25.79	00.044	1513.1							
19.6	OBS	00026	16.77	35.275	25.80		1513.6							
	STO	00030	16.95	35.51	25.94	00.066	1514.5							
	STO	00050	17.41	36.30	26.43	00.103	1517.2							
19.6	OBS	00051	17.42	36.322	26.44		1517.2							
	STO	00075	16.99	36.31	26.54	00.142	1516.3							
19.6	OBS	00077	16.94	36.306	26.55		1516.2							
	STO	00100	16.16	36.19	26.64	00.180	1514.1							
19.6	OBS	00102	16.10	36.180	26.65		1513.9							
	STO	00125	15.62	36.10	26.69	00.215	1512.7							
	STO	00150	15.19	36.02	26.74	00.249	1511.7							
19.6	OBS	00155	15.11	36.013	26.75		1511.5							
	STO	00200	14.60	35.95	26.81	00.316	1510.6							
19.6	OBS	T00208	14.50	35.936	26.82		1510.4							
	STO	00250	13.87	35.81	26.86	00.381	1508.9							
	STO	00300	13.26	35.70	26.90	00.444	1507.5							
19.6	OBS	00309	13.16	35.683	26.91		1507.3							
	STO	00400	12.56	35.63	26.99	00.565	1506.8							
19.6	OBS	T00410	12.42	35.614	27.00		1506.4							
	STO	00500	10.33	35.28	27.13	00.677	1500.1							
19.6	OBS	00512	10.08	35.236	27.14		1499.4							
	STO	00600	08.53	34.96	27.18	00.781	1494.7							
19.6	OBS	00612	08.33	34.940	27.20		1494.2							
	STO	00700	06.87	34.98	27.44	00.869	1490.0							
	STO	00800	05.68	34.99	27.61	00.937	1487.0							
19.6	OBS	00803	05.65	34.994	27.61		1486.9							
	STO	00900	05.18	34.96	27.64	00.955	1486.6							
19.6	OBS	T00992	04.80	34.939	27.67		1486.5							
19.6	OBS	T01433	03.89	34.954	27.78		1490.1							

TABLE I.—Observed and interpolated oceanographic data for stations taken by USCGC ABSECON at Ocean Station DELTA, 26 August–15 September 1968, prepared from NODC listing No. 31-1319 AZ.—Continued

REF ID	31 1319	YEAR	1968	BOTDP	04480	AIR TEMP	16.7	DIP HGT PER	01 2 3	WIND-DIR	01	INST NANSEN CAST	TEN SQ	1306
CONSEC	0015	MONTH	09	SHIP AZ		WET BULB	14.4			WIND-SPD	12	TRACE DIR	5 SQUARE	1
LAT	43 53 N	DAY	11	DATA USE	1	BAROMETR	1025.4	SEA		WIND-FOR		DURATION	2 SQUARE	20
LONG	041 23 W	HOUR	15.0	AREA	05	CLOUD T/A	8/5	CL/TR		WEATHER	X1	ORIG D23 015	1 SQUARE	31

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	0000	16.08	34.59	25.43	00.000	1510.3							
15.0	OBS	0000	16.08	34.591	25.43		1510.3							
	STD	00010	16.80	35.04	25.61	00.024	1513.2							
	STD	00020	17.15	35.40	25.81	00.047	1514.8							
15.0	OBS	00024	17.18	35.520	25.89		1515.1							
	STD	00030	16.85	35.64	26.06	00.068	1514.4							
15.0	OBS	00047	16.20	35.905	26.41		1515.0							
	STD	00050	16.20	35.94	26.44	00.104	1513.1							
15.0	OBS	00072	16.03	36.094	26.60		1513.1							
	STD	00075	15.96	36.08	26.61	00.142	1513.0							
15.0	OBS	00096	15.56	36.034	26.66		1512.0							
	STD	00100	15.53	36.03	26.67	00.178	1512.0							
	STD	00125	15.31	36.02	26.71	00.213	1511.7							
15.0	OBS	00144	15.09	36.012	26.75		1511.3							
	STD	00150	15.00	36.00	26.76	00.247	1511.1							
15.0	OBS	T00190	14.40	35.895	26.81		1509.7							
	STD	00200	14.20	35.85	26.82	00.313	1509.2							
	STD	00250	13.34	35.69	26.87	00.377	1507.0							
15.0	OBS	00285	12.90	35.613	26.91		1506.0							
	STD	00300	12.89	35.61	26.90	00.440	1506.2							
15.0	OBS	T00375	12.37	35.581	26.99		1505.6							
	STD	00400	11.94	35.51	27.02	00.559	1504.5							
15.0	OBS	00464	10.79	35.346	27.10		1501.3							
	STD	00500	10.07	35.26	27.16	00.668	1499.2							
15.0	OBS	T00550	09.12	35.158	27.24		1496.4							
	STD	00600	08.09	35.07	27.34	00.762	1493.2							
	STD	00700	06.50	34.96	27.48	00.841	1488.6							
15.0	OBS	00723	06.23	34.952	27.51		1487.9							
	STD	00800	05.79	34.98	27.59	00.908	1487.4							
	STD	00900	05.28	35.01	27.67	00.966	1487.1							
15.0	OBS	T00901	05.28	35.013	27.67		1487.1							
15.0	OBS	T01411	03.86	34.937	27.77		1489.7							

REF ID	31 1319	YEAR	1968	BOTDP	04480	AIR TEMP	04.4	DIP HGT PER	02 2 3	WIND-DIR	35	INST NANSEN CAST	TEN SQ	1306
CONSEC	0016	MONTH	09	SHIP AZ		WET BULB	04.4			WIND-SPD	20	TRACE DIR	5 SQUARE	1
LAT	43 53 N	DAY	12	DATA USE	1	BAROMETR	1024.7	SEA		WIND-FOR		DURATION	2 SQUARE	20
LONG	040 57 W	HOUR	13.2	AREA	05	CLOUD T/A	5/6	CL/TR		WEATHER	X5	ORIG D23 016	1 SQUARE	30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	0000	17.25	35.62	25.94	00.000	1515.0							
13.2	OBS	0000	17.25	35.616	25.94		1515.0							
	STD	00010	17.16	35.65	25.95	00.020	1515.0							
	STD	00020	17.03	35.70	26.07	00.040	1514.8							
13.2	OBS	00021	17.01	35.710	26.07		1514.8							
	STD	00030	16.83	35.80	26.16	00.059	1514.5							
13.2	OBS	00044	16.50	35.911	26.35		1513.9							
	STD	00050	16.30	35.96	26.43	00.094	1513.4							
13.2	OBS	00065	15.88	36.034	26.59		1512.5							
	STD	00075	15.67	36.02	26.63	00.132	1512.0							
13.2	OBS	00087	15.48	36.018	26.67		1511.6							
	STD	00100	15.47	36.02	26.67	00.168	1511.8							
	STD	00125	15.34	36.04	26.71	00.203	1511.8							
13.2	OBS	00128	15.31	36.036	26.72		1511.7							
	STD	00150	15.01	36.01	26.76	00.237	1511.1							
13.2	OBS	T00170	14.72	35.972	26.80		1510.5							
	STD	00200	14.12	35.86	26.84	00.302	1508.9							
	STD	00250	13.30	35.72	26.91	00.364	1506.9							
13.2	OBS	00255	13.23	35.706	26.91		1506.7							
	STD	00300	12.87	35.65	26.94	00.425	1506.2							
13.2	OBS	T00341	12.40	35.587	26.99		1505.2							
	STD	00400	11.47	35.45	27.06	00.541	1502.8							
13.2	OBS	00422	11.11	35.403	27.09		1501.8							
	STD	00500	09.76	35.25	27.20	00.645	1498.1							
13.2	OBS	T00505	09.69	35.240	27.21		1497.9							
	STD	00600	07.26	35.07	27.46	00.731	1490.0							
13.2	OBS	00670	06.06	34.997	27.56		1486.4							
	STD	00700	05.89	35.00	27.59	00.798	1486.2							
	STD	00800	05.40	35.00	27.65	00.857	1485.8							
13.2	OBS	T00837	05.23	35.002	27.67		1485.8							
13.2	OBS	T01274	04.09	35.002	27.80		1488.4							

TABLE I.—Observed and interpolated oceanographic data for stations taken by USCGC ABSECON at Ocean Station DELTA, 26 August–15 September 1968, prepared from NODC listing No. 31-1319 AZ.—Continued

REFID 31 1319 YEAR 1968 BOTOP 04480 AIR TEMP 16.3 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1306
 CONSEC 0017 MONTH 09 SHIP AZ WET BULB 17.2 25 2 3 WIND-SPD 06 TRACE DIR 5 SQUARE 1
 LAT 43 53.8N DAY 13 DATA USE 1 BAROMETR 1026.8 SEA WIND-FOR DURATION 2 SQUARE 20
 LONG 041 05 W HOUR 13.1 AREA 05 CLOUD T/A 3/6 CL/TR WEATHER X1 ORIG 023 017 1 SQUARE 31

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TCT P	NO2	NO3	S103	PH
13.1	STO	0000C	16.34	34.70	25.46	00.000	1511.2							
	08S	00000	16.34	34.698	25.46		1511.2							
	STO	00010	16.33	34.70	25.46	00.025	1511.3							
	STO	00020	16.32	34.71	25.47	00.050	1511.5							
13.1	08S	00025	16.32	34.707	25.47		1511.5							
	STO	00030	16.27	34.96	25.68	00.075	1511.8							
	STO	00050	16.05	35.70	26.30	00.115	1512.3							
13.1	08S	00050	16.05	35.705	26.30		1512.3							
13.1	08S	00074	15.79	35.994	26.58		1512.3							
	STO	00075	15.76	35.99	26.58	00.156	1512.2							
	STO	00100	15.13	35.98	26.72	00.191	1510.6							
13.1	08S	00100	15.13	35.980	26.72		1510.6							
	STO	00125	15.00	35.98	26.74	00.225	1510.6							
13.1	08S	00149	14.62	35.977	26.78		1510.5							
	STO	00150	14.61	35.98	26.78	00.259	1510.4							
13.1	08S	T00199	14.28	35.899	26.84		1509.5							
	STO	00200	14.26	35.90	26.84	00.324	1509.4							
	STO	00250	13.56	35.77	26.85	00.367	1507.8							
13.1	08S	00298	13.03	35.686	26.94		1506.7							
	STO	00300	13.02	35.68	26.94	00.448	1506.7							
	STO	00400	12.38	35.60	27.00	00.567	1506.1							
13.1	08S	T00400	12.38	35.600	27.00		1506.1							
13.1	08S	00497	10.43	35.300	27.13		1500.5							
	STO	00500	10.36	35.29	27.14	00.678	1500.3							
13.1	08S	T00591	08.35	35.053	27.28		1494.0							
	STO	00600	08.18	35.05	27.30	00.775	1493.0							
	STO	00700	06.59	34.98	27.48	00.856	1489.0							
13.1	08S	00794	05.53	34.950	27.59		1486.2							
	STO	00800	05.50	34.95	27.60	00.922	1486.2							
	STO	00900	05.02	34.96	27.66	00.980	1485.9							
13.1	08S	T00991	04.66	34.958	27.70		1485.9							
13.1	08S	T01498	03.86	34.934	27.77		1491.1							

REFID 31 1319 YEAR 1968 BOTOP 04480 AIR TEMP 16.3 DIR HGT PER WIND-DIR 16 INST NANSEN CAST TEN SQ 1306
 CONSEC 0018 MONTH 09 SHIP AZ WET BULB 16.3 20 1 2 WIND-SPD 20 TRACE DIR 5 SQUARE 1
 LAT 44 13 N DAY 14 DATA USE 1 BAROMETR 1019.6 SEA WIND-FOR DURATION 2 SQUARE 40
 LONG 041 12 W HOUR 13.2 AREA 05 CLOUD T/A X/9 CL/TR WEATHER X4 ORIG 023 018 1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TCT P	NO2	NO3	S103	PH
13.2	STO	00000	16.57	34.79	25.47	00.000	1512.0							
	08S	00000	16.57	34.794	25.47		1512.0							
	STO	00010	16.61	35.19	25.77	00.023	1511.8							
	STO	00020	16.64	35.50	26.00	00.049	1511.4							
13.2	08S	00025	16.66	35.628	26.09		1513.7							
	STO	00030	16.62	35.72	26.17	00.064	1513.8							
13.2	08S	00049	16.47	35.945	26.38		1513.9							
	STO	00050	16.38	35.95	26.40	00.099	1513.7							
13.2	08S	00073	15.14	35.956	26.65		1510.2							
	STO	00075	15.16	35.97	26.70	00.137	1510.3							
13.2	08S	00096	15.30	36.073	26.75		1511.2							
	STO	00100	15.26	36.07	26.75	00.171	1511.1							
	STO	00125	14.99	36.02	26.78	00.204	1510.6							
13.2	08S	00147	14.74	35.973	26.80		1510.2							
	STO	00150	14.71	35.97	26.80	00.237	1510.1							
13.2	08S	T00194	14.19	35.877	26.84		1509.1							
	STO	00200	14.10	35.86	26.85	00.301	1508.8							
	STO	00250	13.45	35.75	26.90	00.364	1507.4							
13.2	08S	00292	13.03	35.684	26.93		1506.6							
	STO	00300	12.95	35.68	26.94	00.425	1506.6							
13.2	08S	T00387	12.54	35.627	26.95		1506.5							
	STO	00400	12.28	35.57	27.00	00.544	1505.7							
13.2	08S	00484	10.56	35.285	27.09		1500.7							
	STO	00500	10.23	35.26	27.13	00.655	1499.7							
13.2	08S	T00578	08.62	35.134	27.30		1495.0							
	STO	00600	08.07	35.10	27.36	00.750	1493.2							
	STO	00700	06.08	34.99	27.56	00.823	1486.9							
13.2	08S	00720	05.78	34.977	27.58		1486.0							
	STO	00800	05.42	34.98	27.63	00.884	1485.9							
	STO	00900	05.04	34.97	27.67	00.940	1486.0							
13.2	08S	T00962	04.85	34.974	27.70		1486.2							
13.2	08S	T01391	04.13	34.979	27.78		1490.5							

TABLE I.—Observed and interpolated oceanographic data for stations taken by USCGC ABSECON at Ocean Station DELTA, 26 August–15 September 1968, prepared from NODC listing No. 31-1319 AZ.—Continued

REFID 31 1319	YEAR 1968	BOTOP 04480	AIR TEMP 18.3	DIP HGT PER	WIND-DIR 19	INST NANSEN CAST	TEN SQ 1306
CONSEC C019	MONTH C9	SHIP AZ	WET BULB 16.3	18 2 3	WIND-SPD 20	TRACE DIR	5 SQUARE 1
LAT 44 11 N	DAY 15	DATA USE 1	BAROMETR 1015.9	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 041 06 W	HOOR 13.5	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X6	ORIG 023 C19	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.5	STO	00000	15.64	33.86	24.97	00.000	1508.0							
	OBS	00000	15.64	33.857	24.97		1508.0							
	STO	00010	16.36	34.57	25.35	00.028	1511.3							
	STO	00020	16.90	35.16	25.68	00.053	1513.8							
13.5	OBS	00029	17.24	35.594	25.93		1515.5							
	STO	00030	17.24	35.63	25.96	00.074	1515.5							
	STO	00050	17.34	36.21	26.38	00.112	1516.8							
13.5	OBS	00057	17.37	36.320	26.45		1517.2							
	STO	00075	16.81	36.27	26.55	00.152	1515.7							
13.5	OBS	00086	16.41	36.214	26.60		1514.7							
	STO	00100	15.73	36.09	26.67	00.188	1512.6							
13.5	OBS	00115	15.16	35.990	26.72		1511.0							
	STO	00125	15.09	35.98	26.73	00.223	1510.9							
	STO	00150	14.84	35.95	26.76	00.257	1510.5							
13.5	OBS	00172	14.54	35.902	26.79		1509.9							
	STO	00200	13.96	35.78	26.81	00.323	1508.3							
13.5	OBS	00229	13.43	35.676	26.85		1506.9							
	STO	00250	13.27	35.67	26.88	00.387	1506.7							
	STO	00300	12.72	35.62	26.95	00.448	1505.6							
13.5	OBS	00341	12.10	35.548	27.01		1504.1							
	STO	00400	10.81	35.33	27.09	00.562	1500.3							
13.5	OBS	T00451	09.71	35.187	27.17		1497.0							
	STO	00500	08.57	35.09	27.27	00.661	1493.4							
13.5	OBS	00567	07.30	34.994	27.39		1489.5							
	STO	00600	06.82	34.98	27.45	00.743	1488.2							
13.5	OBS	T00677	05.94	34.951	27.54		1485.9							
	STO	00700	05.88	34.96	27.56	00.812	1486.1							
	STO	00800	05.60	34.99	27.62	00.873	1486.7							
	STO	00900	05.26	35.00	27.67	00.930	1487.0							
13.5	OBS	00909	05.23	35.002	27.67		1487.0							
	STO	01000	04.78	34.98	27.71	00.983	1486.6							
	STO	01100	04.37	34.96	27.74	01.032	1486.6							
13.5	OBS	T01142	04.22	34.954	27.75		1486.6							
13.5	OBS	T01753	03.64	34.925	27.79		1494.4							

TABLE II.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 20 September–5 October 1968, prepared from NODC listing No. 31–1323 EN.

REFIO 31 1323	YEAP 1968	BOTOP 04938	AIR TEMP 15.6	DIP HGT PER	#WIND-DIR 04	INST NANSEN CAST	TEN SQ 1306
CONSEC 0001	MONTH 09	SHIP EN	WET BULB 12.2	04 4 6	#WIND-SPD 18	TRACE DIR	5 SQUARE 1
LAT 44 03 N	DAY 20	DATA USE 1	BAROMETR 1010.5	SEA	#WIND-FOR	DURATION	2 SQUARE 40
LONG 041 07 W	HOOR 12.0	AREA 05	CLOUD T/A 8/4	CL/TR	WEATHER X8	CRIG 024 001	1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	16.72	34.55	25.25	00.000	1512.2							
12.0	OBS	00000	16.72	34.546	25.25		1512.2							
	STD	00010	16.83	34.61	25.27	00.027	1512.7							
	STD	00020	16.92	34.67	25.30	00.054	1513.3							
12.0	OBS	00023	16.95	34.693	25.31		1513.4							
	STD	00030	17.00	35.08	25.60	00.079	1514.2							
12.0	OBS	00045	17.12	35.658	26.01		1515.4							
	STD	00050	16.78	35.70	26.12	00.122	1514.6							
12.0	OBS	00068	15.79	35.837	26.46		1512.0							
	STD	00075	15.52	35.88	26.55	00.165	1511.3							
12.0	OBS	00088	15.13	35.930	26.68		1510.4							
	STD	00100	15.06	35.94	26.70	00.202	1510.4							
	STD	00125	14.87	35.95	26.75	00.236	1510.2							
12.0	OBS	00131	14.82	35.953	26.76		1510.1							
	STD	00150	14.61	35.93	26.79	00.269	1509.8							
12.0	OBS	T00172	14.37	35.889	26.81		1509.3							
	STD	00200	13.98	35.81	26.84	00.334	1508.4							
	STD	00250	13.41	35.72	26.88	00.397	1507.2							
12.0	OBS	00262	13.30	35.698	26.89		1507.0							
	STD	00300	13.13	35.69	26.92	00.459	1507.1							
12.0	OBS	T00340	12.82	35.647	26.95		1506.7							
	STD	00400	12.08	35.51	26.99	00.579	1505.0							
12.0	OBS	00423	11.72	35.459	27.02		1504.0							
	STD	00500	10.17	35.26	27.15	00.691	1499.6							
12.0	OBS	T00501	10.15	35.260	27.15		1499.5							
	STD	00600	07.71	35.02	27.35	00.784	1491.7							
12.0	OBS	00659	06.64	34.937	27.44		1486.4							
	STD	00700	06.25	34.94	27.49	00.861	1487.5							
	STD	00800	05.44	34.94	27.60	00.927	1485.9							
12.0	OBS	T00849	05.10	34.942	27.64		1485.4							
12.0	OBS	T01358	04.08	34.947	27.76		1489.7							

REFIO 31 1323	YEAP 1968	BOTOP 04938	AIR TEMP 15.6	DIP HGT PER	#WIND-DIR 36	INST NANSEN CAST	TEN SQ 1306
CONSEC 0002	MONTH 09	SHIP EN	WET BULB 13.9	35 3 4	#WIND-SPD 06	TRACE DIR	5 SQUARE 1
LAT 44 58 N	DAY 24	DATA USE 1	BAROMETR 1020.3	SEA	#WIND-FOR	DURATION	2 SQUARE 40
LONG 041 18 W	HOOR 12.2	AREA 05	CLOUD T/A 1/6	CL/TR	WEATHER X1	CRIG 024 002	1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	17.44	35.42	25.75	00.000	1515.4							
12.2	OBS	00000	17.44	35.417	25.75		1515.4							
	STD	00010	17.46	35.42	25.75	00.022	1515.6							
	STD	00020	17.49	35.46	25.77	00.045	1515.9							
12.2	OBS	00025	17.51	35.487	25.78		1516.1							
	STD	00030	17.53	35.52	25.80	00.067	1516.2							
12.2	OBS	00049	17.62	35.713	25.93		1517.0							
	STD	00050	17.58	35.74	25.96	00.110	1517.0							
12.2	OBS	00074	16.52	36.121	26.51		1514.7							
	STD	00075	16.44	36.11	26.51	00.155	1514.4							
12.2	OBS	00098	15.09	35.846	26.62		1510.3							
	STD	00100	15.08	35.85	26.63	00.193	1510.3							
	STD	00125	14.95	35.92	26.71	00.228	1510.4							
12.2	OBS	00147	14.83	35.925	26.74		1510.4							
	STD	00150	14.77	35.91	26.74	00.262	1510.3							
12.2	OBS	T00196	13.97	35.774	26.81		1506.3							
	STD	00200	13.91	35.76	26.81	00.329	1508.1							
	STD	00250	13.19	35.64	26.86	00.393	1506.4							
12.2	OBS	00288	12.72	35.565	26.90		1505.4							
	STD	00300	12.67	35.55	26.91	00.456	1505.4							
12.2	OBS	T00379	11.82	35.482	27.02		1503.7							
	STD	00400	11.27	35.39	27.05	00.573	1502.0							
12.2	OBS	00474	09.58	35.148	27.16		1496.8							
	STD	00500	09.08	35.10	27.21	00.678	1495.3							
12.2	OBS	T00568	07.94	35.023	27.32		1492.1							
	STD	00600	07.58	35.03	27.38	00.767	1491.2							
	STD	00700	06.57	35.03	27.52	00.842	1488.9							
12.2	OBS	00758	06.08	35.038	27.59		1487.9							
	STD	00800	05.79	35.02	27.62	00.905	1487.5							
	STD	00900	05.18	34.99	27.67	00.962	1486.6							
12.2	OBS	T00956	04.89	34.978	27.69		1486.3							
12.2	OBS	T01466	03.94	34.937	27.76		1490.9							

TABLE II.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 20 September–5 October 1968, prepared from NODC listing No. 31-1323 EN.—Continued

REFID 31 1323 YEAR 1968 BCTDP 04846 AIR TEMP 16.7 DIF HGT PER WIND-DIF 28 INST NANSEN CAST TEN SQ 1306
 CONSEC 0003 MONTH 09 SHIP EN WET BULB 14.4 26 2 7 WIND-SPD 06 TRACE DIR 5 SQUARE 1
 LAT 44 03 N DAY 25 DATA USE 1 BAROMETR 1021.8 SEA WIND-FDP DURATION 2 SQUARE 40
 LONG 041 02 W HOUR 14.0 AREA C5 CLOUD T/A 3/6 CL/TR WEATHER X4 ORIG D24 003 1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
14.0	STD	00000	16.64	34.99	25.61	00.000	1512.5							
	OBS	00000	16.64	34.989	25.61		1512.5							
	STD	00010	16.63	35.01	25.63	00.023	1512.6							
	STD	00020	16.61	35.04	25.65	00.047	1512.8							
14.0	OBS	00027	16.60	35.056	25.67		1512.9							
	STD	00030	16.52	35.15	25.76	00.070	1512.8							
	STD	00050	16.02	35.63	26.25	00.111	1512.2							
14.0	OBS	00053	15.95	35.686	26.30		1512.1							
	STD	00075	15.48	35.96	26.62	00.151	1511.3							
14.0	OBS	00080	15.41	35.999	26.67		1511.2							
	STD	00100	15.32	36.04	26.72	00.166	1511.3							
14.0	OBS	00106	15.29	36.045	26.73		1511.3							
	STD	00125	15.24	36.03	26.73	00.220	1511.5							
	STD	00150	15.05	36.02	26.76	00.254	1511.3							
14.0	OBS	00160	14.94	36.014	26.76		1511.1							
	STD	00200	14.19	35.85	26.82	00.320	1509.1							
14.0	OBS	00213	13.98	35.807	26.83		1508.6							
	STD	00250	13.77	35.79	26.86	00.384	1508.5							
	STD	00300	13.29	35.73	26.91	00.447	1507.7							
14.0	OBS	00320	13.04	35.689	26.94		1507.1							
	STD	00400	11.61	35.46	27.04	00.565	1503.3							
14.0	OBS	T00426	11.09	35.388	27.08		1501.8							
	STD	00500	09.30	35.14	27.20	00.671	1496.2							
14.0	OBS	00532	08.68	35.075	27.25		1494.3							
	STD	00600	07.73	35.06	27.36	00.760	1491.8							
14.0	OBS	T00637	07.26	35.053	27.44		1490.6							
	STD	00700	06.50	35.02	27.53	00.834	1488.7							
	STD	00800	05.57	34.99	27.62	00.897	1486.5							
14.0	OBS	00848	05.23	34.981	27.65		1485.9							
	STD	00900	05.07	34.98	27.67	00.953	1486.1							
	STD	01000	04.79	34.98	27.71	01.006	1486.7							
14.0	OBS	T01059	04.64	34.983	27.72		1487.0							
14.0	OBS	T01600	03.81	34.934	27.77		1492.6							

REFID 31 1323 YEAR 1968 BCTDP 04938 AIR TEMP 17.8 DIF HGT PER WIND-DIF 12 INST NANSEN CAST TEN SQ 1306
 CONSEC 0004 MONTH 09 SHIP EN WET BULB 15.0 36 6 7 WIND-SPD 05 TRACE DIR 5 SQUARE 1
 LAT 44 00 N DAY 26 DATA USE 1 BAROMETR 1027.0 SEA WIND-FDP DURATION 2 SQUARE 40
 LONG 040 53 W HOUR 13.8 AREA C5 CLOUD T/A 8/3 CL/TR WEATHER X4 ORIG D24 004 1 SQUARE 40

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
13.8	STD	00000	16.53	34.81	25.50	00.000	1511.9							
	OBS	00000	16.53	34.809	25.50		1511.9							
	STD	00010	16.53	34.82	25.50	00.024	1512.1							
	STD	00020	16.51	34.82	25.51	00.049	1512.2							
13.8	OBS	00026	16.48	34.830	25.52		1512.2							
	STD	00030	16.47	34.96	25.63	00.074	1512.4							
	STD	00050	16.33	35.92	26.39	00.114	1513.5							
13.8	OBS	00055	16.30	36.048	26.50		1513.6							
	STD	00075	15.70	36.02	26.62	00.153	1512.1							
13.8	OBS	00083	15.51	36.009	26.65		1511.6							
	STD	00100	15.21	35.99	26.71	00.186	1510.9							
13.8	OBS	00110	15.05	35.982	26.73		1510.6							
	STD	00125	14.87	35.96	26.76	00.222	1510.2							
	STD	00150	14.58	35.93	26.80	00.255	1509.7							
13.8	OBS	00166	14.40	35.900	26.81		1509.3							
	STD	00200	14.03	35.83	26.84	00.320	1508.6							
13.8	OBS	00221	13.80	35.784	26.86		1508.1							
	STD	00250	13.56	35.76	26.88	00.363	1507.8							
	STD	00300	13.03	35.68	26.93	00.445	1506.7							
13.8	OBS	00331	12.64	35.623	26.97		1505.9							
	STD	00400	11.56	35.45	27.04	00.562	1503.1							
13.8	OBS	T00440	10.85	35.355	27.10		1501.1							
	STD	00500	09.55	35.21	27.21	00.667	1497.2							
13.8	OBS	00550	08.55	35.115	27.30		1494.2							
	STD	00600	07.59	35.03	27.38	00.756	1491.3							
13.8	OBS	T00660	06.64	34.964	27.46		1488.5							
	STD	00700	06.28	34.97	27.51	00.831	1487.7							
	STD	00800	05.51	34.97	27.61	00.894	1486.3							
13.8	OBS	00879	05.04	34.981	27.68		1485.7							
	STD	00900	04.96	34.98	27.68	00.950	1485.7							
	STD	01000	04.61	34.96	27.71	01.002	1485.9							
13.8	OBS	T01097	04.33	34.942	27.73		1486.3							
13.8	OBS	T01645	03.76	34.926	27.77		1493.1							

TABLE II.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 20 September–5 October 1968, prepared from NODC listing No. 31-1323 EN.—Continued

REFID 31 1323 YEAR 1968 BDTOP 04755 AIR TEMP 17.8 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1306
 CONSEC 0005 MONTH 09 SHIP EN WET BULB 16.7 00 0 X WIND-SPD 04 TRACE DIR 5 SQUARE 1
 LAT 43 42 N DAY 27 DATA USE 1 BARMETR 1029.5 SEA WIND-FDR DURATION 2 SQUARE 20
 LONG 040 47 W HOUR 17.4 AREA 05 CLOUD T/A /0 CL/TR WEATHER X0 ORIG D24 005 1 SQUARE 30

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TDT P	ND2	ND3	S103	PH
13.4	STD	00000	16.71	34.83	25.47	00.000	1512.5							
	OBS	00000	16.71	34.828	25.47		1512.5							
	STD	00010	16.58	34.82	25.49	00.025	1512.2							
	STD	00020	16.50	34.81	25.51	00.050	1512.1							
13.4	OBS	00025	16.47	34.810	25.51		1512.1							
	STD	00030	16.47	35.08	25.72	00.074	1512.5							
13.4	OBS	00049	16.47	35.820	26.29		1513.7							
	STD	00050	16.46	35.84	26.30	00.114	1513.8							
13.4	OBS	00073	16.10	36.111	26.60		1513.4							
	STD	00075	16.03	36.10	26.61	00.154	1513.2							
13.4	OBS	00098	15.29	36.001	26.70		1511.1							
	STD	00100	15.25	36.00	26.70	00.190	1511.1							
	STD	00125	14.82	35.95	26.76	00.224	1510.0							
13.4	OBS	00146	14.49	35.905	26.80		1509.3							
	STD	00150	14.43	35.90	26.80	00.256	1509.1							
13.4	OBS	T00193	13.86	35.808	26.86		1507.9							
	STD	00200	13.78	35.79	26.86	00.320	1507.7							
	STD	00250	13.22	35.69	26.90	00.362	1506.6							
13.4	OBS	00292	12.77	35.623	26.94		1505.7							
	STD	00300	12.73	35.62	26.94	00.443	1505.6							
13.4	OBS	T00390	11.80	35.507	27.04		1503.8							
	STD	00400	11.63	35.49	27.05	00.559	1503.4							
13.4	OBS	00488	09.86	35.261	27.20		1496.2							
	STD	00500	09.48	35.1	27.22	00.663	1497.0							
13.4	OBS	T00583	07.38	34.956	27.35		1490.1							
	STD	00600	07.23	34.97	27.36	00.751	1489.8							
	STD	00700	06.40	35.02	27.53	00.845	1488.2							
13.4	OBS	00778	05.84	35.052	27.62		1487.3							
	STD	00800	05.70	35.03	27.63	00.867	1487.1							
	STD	00900	05.13	35.00	27.68	00.942	1486.4							
13.4	OBS	T00968	04.80	34.987	27.71		1486.2							
13.4	OBS	T01470	03.91	34.942	27.77		1490.8							

REFID 31 1323 YEAR 1968 BDTOP 04938 AIR TEMP 20.6 DIR HGT PER WIND-DIR 16 INST NANSEN CAST TEN SQ 1306
 CONSEC 0006 MONTH 09 SHIP EN WET BULB 19.7 16 1 3 WIND-SPD 06 TRACE DIR 5 SQUARE 1
 LAT 44 01 N DAY 28 DATA USE 1 BARMETR 1027.1 SEA WIND-FDR DURATION 2 SQUARE 40
 LONG 040 55 W HOUR 14.8 AREA 05 CLOUD T/A 3/4 CL/TR WEATHER X1 ORIG D24 006 1 SQUARE 40

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TDT P	ND2	ND3	S103	PH
14.8	STD	00000	16.87	35.13	25.66	00.000	1513.3							
	OBS	00000	16.87	35.126	25.66		1513.3							
	STD	00010	16.86	35.18	25.70	00.023	1513.5							
	STD	00020	16.84	35.23	25.75	00.046	1513.7							
14.8	OBS	00023	16.83	35.245	25.76		1513.7							
	STD	00030	16.80	35.54	26.00	00.067	1514.1							
14.8	OBS	00048	16.72	36.010	26.37		1514.7							
	STD	00050	16.59	36.00	26.40	00.104	1514.3							
14.8	OBS	00072	15.52	35.964	26.62		1511.4							
	STD	00075	15.47	35.96	26.63	00.143	1511.3							
14.8	OBS	00097	15.14	35.966	26.70		1510.6							
	STD	00100	15.11	35.97	26.71	00.178	1510.6							
	STD	00125	14.85	35.95	26.76	00.212	1510.1							
14.8	OBS	00145	14.64	35.934	26.79		1509.8							
	STD	00150	14.59	35.92	26.79	00.245	1509.7							
14.8	OBS	T00194	14.11	35.844	26.83		1508.8							
	STD	00200	14.05	35.84	26.84	00.309	1508.6							
	STD	00250	13.49	35.75	26.90	00.372	1507.5							
14.8	OBS	00291	12.97	35.680	26.94		1506.4							
	STD	00300	12.85	35.66	26.95	00.433	1506.1							
14.8	OBS	T00384	11.62	35.479	27.05		1503.1							
	STD	00400	11.34	35.44	27.07	00.548	1502.3							
14.8	OBS	00485	09.82	35.239	27.19		1498.0							
	STD	00500	09.52	35.21	27.22	00.651	1497.1							
14.8	OBS	T00579	08.11	35.089	27.35		1493.0							
	STD	00600	07.84	35.09	27.39	00.740	1492.3							
	STD	00700	06.69	35.07	27.54	00.814	1489.4							
14.8	OBS	00778	05.95	35.047	27.62		1487.8							
	STD	00800	05.78	35.04	27.63	00.876	1487.5							
	STD	00900	05.11	34.99	27.68	00.932	1486.3							
14.8	OBS	T00973	04.71	34.967	27.70		1485.9							
14.8	OBS	T01469	03.91	34.940	27.77		1490.8							

TABLE II.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 20 September–5 October 1968, prepared from NODC listing No. 31-1323 EN.—Continued

REFID	31	1323	YEAR	1968	BOTOP	04938	AIR TEMP	17.6	DIP HGT PER	WIND-DIR	32	INST NANSEN	CAST	TEN SQ	1306		
CONSEC		0007	MONTH	09	SHIP EN		WET BULB	16.7	27	4	6	TRACE DIR		5	SQUARE 1		
LAT	43	59	N	DAY	30	DATA USE	1	BAROMETR	1009.4	SEA		DURATION		2	SQUARE 20		
LONG	040	58	W	HOURL	13.2	AREA	05	CLOUD T/A	3/6	CL/TF		WEATHER	X1	CRIG D24	G07	1	SQUARE 30

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
13.2	STO	00000	16.81	34.98	25.56	00.000	1513.0							
	0BS	00000	16.81	34.978	25.56		1513.0							
	STO	00010	16.80	34.99	25.57	00.024	1513.1							
	STO	00020	16.80	35.00	25.58	00.048	1513.3							
13.2	0BS	00028	16.79	35.009	25.59		1513.4							
	STO	00030	16.78	35.11	25.67	00.072	1513.5							
	STO	CDC50	16.71	35.84	26.25	00.113	1514.5							
13.2	0BS	00055	16.69	35.955	26.34		1514.7							
	STO	00075	16.00	36.06	26.58	00.154	1513.0							
13.2	0BS	00082	15.81	36.078	26.64		1512.6							
	STO	00100	15.47	36.06	26.70	00.190	1511.8							
13.2	0BS	00108	15.34	36.046	26.72		1511.5							
	STO	00125	15.27	36.03	26.72	00.225	1511.6							
	STO	00150	15.07	36.01	26.75	00.259	1511.5							
13.2	0BS	00184	14.90	35.995	26.78		1511.0							
	STO	00200	14.20	35.86	26.82	00.325	1509.2							
13.2	0BS	T00217	13.92	35.804	26.84		1508.5							
	STO	00250	13.63	35.75	26.86	00.369	1508.0							
	STO	00300	13.09	35.66	26.90	00.452	1506.9							
13.2	0BS	00321	12.82	35.621	26.93		1506.3							
	STO	00400	11.57	35.46	27.04	00.570	1503.1							
13.2	0BS	T00424	11.17	35.408	27.06		1502.1							
	STO	00500	09.88	35.25	27.19	00.676	1498.5							
13.2	0BS	00529	09.33	35.192	27.23		1496.9							
	STO	00600	07.74	35.04	27.36	00.767	1491.8							
13.2	0BS	T00635	07.06	34.982	27.42		1489.7							
	STO	00700		34.98										
	STO	00800		34.98										
13.2	0BS	00843		34.982										
	STO	00900		34.98										
	STO	01000		34.97										
13.2	0BS	T01053	04.54	34.969	27.72		1486.5							
13.2	0BS	T01599	03.87	34.939	27.77		1492.8							

REFID	31	1323	YEAR	1968	BOTOP	04938	AIR TEMP	16.1	DIP HGT PER	WIND-DIR	27	INST NANSEN	CAST	TEN SQ	1306		
CONSEC		0008	MONTH	10	SHIP EN		WET BULB	14.4	26	4	6	TRACE DIR		5	SQUARE 1		
LAT	44	00	N	DAY	02	DATA USE	1	BAROMETR	1002.2	SEA		DURATION		2	SQUARE 40		
LONG	041	00	W	HOURL	12.5	AREA	05	CLOUD T/A	8/4	CL/TF		WEATHER	X1	CRIG D24	G08	1	SQUARE 41

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
12.5	STO	00000	17.00	35.40	25.84	00.000	1514.0							
	0BS	00000	17.00	35.397	25.84		1514.0							
	STO	00010	16.97	35.40	25.84	00.021	1514.1							
	STO	00020	16.95	35.40	25.85	00.043	1514.2							
12.5	0BS	00023	16.94	35.400	25.85		1514.2							
	STO	00030	16.76	35.46	25.94	00.064	1513.9							
12.5	0BS	00046	16.38	35.637	26.17		1513.2							
	STO	00050	16.30	35.73	26.26	00.103	1513.1							
12.5	0BS	00070	15.90	36.028	26.58		1512.0							
	STO	00075	15.79	36.03	26.60	00.144	1512.4							
12.5	0BS	00093	15.43	36.019	26.68		1511.5							
	STO	00100	15.31	36.01	26.70	00.179	1511.5							
	STO	00125	14.93	35.98	26.76	00.213	1510.4							
12.5	0BS	00142	14.70	35.957	26.79		1509.9							
	STO	00150	14.62	35.95	26.80	00.246	1509.8							
12.5	0BS	T00189	14.21	35.882	26.84		1509.0							
	STO	00200	14.06	35.86	26.85	00.310	1508.7							
	STO	00250	13.44	35.75	26.90	00.373	1507.4							
12.5	0BS	00288	13.02	35.680	26.93		1506.5							
	STO	00300	12.96	35.67	26.94	00.434	1506.5							
12.5	0BS	T00390	12.13	35.564	27.02		1505.0							
	STO	00400	11.96	35.54	27.03	00.551	1504.7							
12.5	0BS	00485	10.52	35.344	27.15		1500.7							
	STO	00500	10.15	35.30	27.18	00.659	1499.5							
12.5	0BS	T00584	08.33	35.092	27.32		1493.9							
	STO	00600	08.06	35.08	27.35	00.751	1493.1							
	STO	00700	06.63	35.03	27.51	00.828	1489.2							
12.5	0BS	00781	05.78	34.998	27.60		1487.1							
	STO	00800	05.68	35.00	27.61	00.893	1487.0							
	STO	00900	05.18	34.99	27.67	00.950	1486.0							
12.5	0BS	T00977	04.86	34.983	27.70		1486.6							
12.5	0BS	T01481	04.03	34.966	27.76		1491.5							

TABLE II.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 20 September–5 October 1968, prepared from NODC listing No. 31-1323 EN.—Continued

REFID 31 1323	YEAR 1968	BDTDP 04938	AIR TEMP 14.4	DIF HGT PER	WIND-DIR 31	INST NANSEN CAST	TEN SQ 1306
CONSEC 0009	MONTH 10	SHIP EN	WET BULB 11.7	31 6 7	WIND-SPD 11	TRACE DIR	5 SQUARE 1
LAT 43 41 N	DAY 04	DATA USE 1	BAROMETR 1020.3	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 040 39 W	HOUR 16.0	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER X1	ORIG 024 009	1 SQUARE 30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DXYG	P34	TOT P	NO2	ND3	S103	PH
	STD	00000	17.14	35.57	25.94	00.000	1514.7							
16.0	08S	00000	17.14	35.574	25.94		1514.7							
	STD	00010	17.12	35.57	25.94	00.020	1514.8							
	STD	00020	17.05	35.57	25.96	00.041	1514.7							
16.0	08S	00029	16.93	35.564	25.98		1514.5							
	STD	00030	16.91	35.57	25.99	00.062	1514.4							
	STD	00050	16.44	35.68	26.19	00.100	1513.5							
16.0	08S	00055	16.33	35.722	26.24		1513.3							
	STD	00075	15.99	36.01	26.55	00.143	1512.9							
16.0	08S	00082	15.81	36.051	26.62		1512.6							
	STD	00100	15.11	35.94	26.69	00.179	1510.5							
16.0	08S	00109	14.86	35.906	26.72		1509.8							
	STD	00125	14.84	35.95	26.76	00.213	1510.1							
	STD	00150	14.81	35.99	26.79	00.246	1510.5							
16.0	08S	00162	14.80	35.994	26.80		1510.6							
	STD	00200	14.38	35.92	26.83	00.311	1509.8							
16.0	08S	T00218	14.18	35.888	26.85		1509.4							
	STD	00250	13.82	35.83	26.86	00.374	1508.7							
	STD	00300	13.20	35.73	26.94	00.436	1507.4							
16.0	08S	00322	12.90	35.684	26.96		1506.7							
	STD	00400	11.73	35.51	27.05	00.553	1503.7							
16.0	08S	T00427	11.28	35.442	27.09		1502.5							
	STD	00500	09.92	35.26	27.15	00.658	1496.6							
16.0	08S	00534	09.23	35.186	27.25		1496.6							
	STD	00600	07.66	35.03	27.37	00.749	1491.5							
16.0	08S	00639	06.86	34.970	27.44		1489.0							
	STD	00700		34.99										
	STD	00800		35.00										
16.0	08S	00854		35.003										
	STD	00900		35.00										
	STD	01000		34.99										
16.0	08S	T01077	04.56	34.978	27.73		1487.0							
16.0	08S	T01671	03.84	34.947	27.78		1493.9							

REFID 31 1323	YEAR 1968	BDTDP 04938	AIR TEMP 13.8	DIR HGT PER	WIND-DIR 10	INST NANSEN CAST	TEN SQ 1306
CONSEC 0010	MONTH 10	SHIP EN	WET BULB 11.1	31 7 8	WIND-SPD 06	TRACE DIR	5 SQUARE 1
LAT 44 00 N	DAY 05	DATA USE 1	BAROMETR 1003.6	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 041 00 W	HOUR 12.6	AREA 05	CLOUD T/A 3/6	CL/TR	WEATHER X1	ORIG 024 010	1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DXYG	P34	TOT P	NO2	ND3	S103	PH
	STD	00000	16.74	35.57	26.03	00.000	1513.5							
12.6	08S	00000	16.74	35.573	26.03		1513.5							
	STD	00010	16.68	35.57	26.05	00.019	1513.5							
	STD	00020	16.65	35.57	26.05	00.039	1513.5							
12.6	08S	00025	16.65	35.574	26.06		1513.6							
	STD	00030	16.67	35.58	26.05	00.059	1513.7							
	STD	00050	16.73	35.59	26.05	00.098	1514.3							
12.6	08S	00051	16.73	35.588	26.05		1514.3							
	STD	00075	16.17	36.08	26.55	00.142	1513.6							
12.6	08S	00076	16.14	36.087	26.57		1513.5							
	STD	00100	15.34	36.03	26.71	00.178	1511.4							
12.6	08S	00101	15.31	36.029	26.71		1511.3							
	STD	00125	14.95	35.99	26.77	00.212	1510.5							
	STD	00150	14.57	35.95	26.81	00.245	1509.7							
12.6	08S	00151	14.56	35.945	26.81		1509.6							
	STD	00200	13.82	35.82	26.87	00.308	1507.9							
12.6	08S	00202	13.80	35.811	26.87		1507.8							
	STD	00250	13.48	35.77	26.91	00.370	1507.5							
	STD	00300	13.09	35.72	26.95	00.431	1507.0							
12.6	08S	00303	13.07	35.716	26.95		1507.0							
	STD	00400	12.22	35.58	27.01	00.548	1505.5							
12.6	08S	T00408	12.11	35.558	27.02		1505.2							
	STD	00500	10.32	35.27	27.13	00.660	1500.1							
12.6	08S	00506	10.21	35.258	27.14		1499.8							
	STD	00600	08.47	35.12	27.32	00.757	1494.8							
12.6	08S	T00602	08.44	35.121	27.32		1494.7							
	STD	00700	06.77	35.02	27.49	00.836	1489.7							
	STD	00800	05.57	34.96	27.60	00.902	1486.5							
12.6	08S	00807	05.51	34.961	27.60		1486.4							
	STD	00900	05.12	34.96	27.65	00.960	1486.3							
	STD	01000	04.77	34.97	27.70	01.014	1486.6							
12.6	08S	01009	04.74	34.967	27.70		1486.6							
12.6	08S	01517	03.96	34.941	27.76		1491.8							
	STD	01750	03.62	34.94	27.78		1495.2							
	STD	02000	03.67	34.94	27.80		1498.8							
15.6	08S	T02012	03.66	34.941	27.80		1498.9							
	STD	02500	03.35	34.94	27.83		1506.0							
15.6	08S	T02518	03.34	34.940	27.83		1506.2							
	STD	03000	03.03	34.94	27.85		1513.2							
15.6	08S	03024	03.01	34.936	27.85		1513.6							
15.6	08S	T03522	02.61	34.927	27.88		1520.5							
	STD	04000	02.39	34.91	27.89		1528.0							
15.6	08S	T04037	02.38	34.905	27.89		1528.6							
15.6	08S	04546	02.34	34.903	27.89		1537.4							
15.6	08S	T04577	02.34	34.902	27.89		1538.0							

TABLE III.—Observed and interpolated oceanographic data for stations taken by USCGC CASCO at Ocean Station DELTA, 12 October–2 November 1968, prepared from NODC listing No. 31-1348 CS.

REFID	31	1346	YEAR	1968	BOTDP	04674	AIR TEMP	11.5	DIR HGT PER	WIND-DIR	30	INST NANSEN	CASST	TEN SQ	1306				
CONSEC	0001		MONTH	10	SHIP CS		WET BULB	11.5	32	3	2	TRACE DIR		5	SQUARE	1			
LAT	43	58	N	DAY	12	DATA USE	1	BAROMETR	1024.4	SEA		WIND-FOR	DURATION	2	SQUARE	20			
LCNG	040	58	W	HOOR	14.9	AREA	05	CLOUD T/A	6/8	CL/TR		WEATHER	X6	ORIG	D25	001	1	SQUARE	30

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
	STD	00000	15.95	35.21	25.94	00.000	1510.6							
14.9	OBS	00000	15.95	35.208	25.94		1510.6							
	STD	00010	15.97											
	STD	00020	15.99											
14.9	OBS	00020	15.99											
	STD	00030	15.77											
14.9	OBS	00040	15.69											
	STD	00050	15.96											
14.9	OBS	00063	16.04											
	STD	00075	15.73											
14.9	OBS	00085	15.50											
	STD	00100	15.27											
	STD	00125	14.94											
14.9	OBS	00126	14.93											
	STD	00150	14.71											
14.9	OBS	T00167	14.52											
	STD	00200	14.00											
14.9	OBS	00244	13.39											
	STD	00250	13.34											
	STD	00300	12.84											
14.9	OBS	TCC318	12.61											
14.9	OBS	00388	11.47											
	STD	00400	11.26											
14.9	OBS	T00458	10.16											
	STD	00500	09.08											
14.9	OBS	00589	07.28											
	STD	00600	07.14											
	STD	00700	06.00											
14.9	OBS	T00707	05.93											
	STD	00800	05.57											
	STD	00900	05.19											
	STD	01000	04.81											
14.9	OBS	T01078	04.51	34.982	27.74		1486.8							

REFID	31	1348	YEAR	1968	BOTDP	04590	AIR TEMP	15.5	DIR HGT PER	WIND-DIR	15	INST NANSEN	CASST	TEN SQ	1306				
CONSEC	0002		MONTH	10	SHIP CS		WET BULB	12.7	35	1	3	TRACE DIR		5	SQUARE	1			
LAT	43	57.5N		DAY	13	DATA USE	1	BAROMETR	1027.8	SEA		WIND-FOR	DURATION	2	SQUARE	20			
LCNG	040	58	W	HOOR	13.6	AREA	05	CLOUD T/A	3/2	CL/TR		WEATHER	X1	ORIG	D25	002	1	SQUARE	30

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
	STD	00000	16.14	35.34	26.00	00.000	1511.4							
13.6	OBS	00000	16.14	35.342	26.00		1511.4							
	STD	00010	16.12											
	STD	00020	16.11											
13.6	OBS	00026	16.10											
	STD	00030	16.13											
	STD	00050	16.23											
13.6	OBS	00051	16.23											
	STD	00075	16.23											
13.6	OBS	00077	16.23											
	STD	00100	15.28											
13.6	OBS	00102	15.22											
	STD	00125	14.96											
	STD	00150	14.62											
13.6	OBS	00153	14.58											
	STD	00200	13.78											
13.6	OBS	T00205	13.71											
	STD	00250	13.38											
	STD	00300	12.82											
13.6	OBS	00306	12.74											
	STD	00400	11.06											
13.6	OBS	T00408	10.91											
	STD	00500	09.16											
13.6	OBS	00506	09.05											
13.6	OBS	T00599	07.25											
	STD	00600	07.24											
	STD	00700	06.27											
	STD	00800	05.53											
13.6	OBS	00800	05.53											
	STD	00900	05.07											
13.6	OBS	00992	04.72											
13.6	OBS	T01492	03.86	34.933	27.77		1491.0							

TABLE III.—Observed and interpolated oceanographic data for stations taken by USCGC CASCO at Ocean Station DELTA, 12 October–2 November 1968, prepared from NODC listing No. 31-1348 CS.—Continued

REFID	31 1348	YEAR	1968	BOTOP	04671	AIR TEMP	17.2	OIR HGT PER		WIND-OIR	25	INST NANSEN CAST	TEN SQ	1306
CONSEC	0003	MONTH	10	SHIP CS		WET BULB	15.0		25 3 3	WIND-SPO	17	TRACE OIR	5 SQUARE	1
LAT	44 03 N	DAY	15	DATA USE	1	BAROMETR	1015.9	SEA		WIND-FOR		DURATION	2 SQUARE	40
LONG	040 58 W	HOUR	12.6	AREA	05	CLOUD T/4	3/5	CL/TR		WEATHER	X1	ORIG 025 003	1 SQUARE	40

CAS*NUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	15.95	35.35	26.04	00.000	1510.8							
12.6	OBS	00000	15.95	35.346	26.04		1510.8							
	STD	00010	15.95											
	STD	00020	15.95											
12.6	OBS	00023	15.95											
	STD	00030	16.06											
12.6	OBS	00045	16.08											
	STD	00050	15.97											
12.6	OBS	00066	15.59											
	STD	00075	15.36											
12.6	OBS	00089	15.03											
	STD	00100	14.82											
	STD	00125	14.39											
12.6	OBS	00133	14.27											
	STD	00150	14.06											
12.6	OBS	T00175	13.75											
	STD	00200	13.41											
	STD	00250	12.80											
12.6	OBS	00256	12.73											
	STD	00300	12.38											
12.6	OBS	T00335	11.93											
	STD	00400	10.66											
12.6	OBS	00412	10.39											
12.6	OBS	T00482	08.64											
	STD	00500	08.27											
	STD	00600	06.66											
12.6	OBS	00618	06.45											
	STD	00700	05.96											
12.6	OBS	T00753	05.68											
	STD	00800	05.46											
	STD	00900	05.09											
	STD	01000	04.84											
12.6	OBS	T01071	04.74	35.016	27.74		1487.7							

REFID	31 1348	YEAR	1968	BOTOP	04638	AIR TEMP	12.6	OIR HGT PER		WIND-OIR	29	INST NANSEN CAST	TEN SQ	1306
CONSEC	0004	MONTH	10	SHIP CS		WET BULB	11.2		34 3 2	WIND-SPO	17	TRACE OIR	5 SQUARE	1
LAT	44 02 N	DAY	22	DATA USE	1	BAROMETR	1008.4	SEA		WIND-FOR		DURATION	2 SQUARE	40
LONG	041 01 W	HOUR	13.0	AREA	05	CLOUD T/4	2/6	CL/TR		WEATHER	X1	ORIG 025 004	1 SQUARE	41

CAS*NUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
	STD	00000	17.09	35.96	26.25	00.000	1515.0							
13.0	OBS	00000	17.09	35.958	26.25		1515.0							
	STD	00010	17.09											
	STD	00020	17.09											
13.0	OBS	00026	17.09											
	STD	00030	17.09											
	STD	00050	17.09											
13.0	OBS	00051	17.09											
	STD	00075	17.06											
13.0	OBS	00077	17.04											
	STD	00100	16.20											
	STD	00125	15.45											
13.0	OBS	00148	14.92											
	STD	00150	14.89											
13.0	OBS	T00196	14.28											
	STD	00200	14.22											
	STD	00250	13.63											
13.0	OBS	00265	13.33											
	STD	00300	13.28											
13.0	OBS	T00375	13.02											
	STD	00400	12.72											
13.0	OBS	00467	11.63											
	STD	00500	10.79											
13.0	OBS	T00560	09.44											
	STD	00600	08.76											
	STD	00700	07.30											
14.5	OBS	00772	06.47											
	STD	00800	06.27											
	STD	00900	05.62											
	STD	01000	05.07											
14.5	OBS	01002	05.06											
14.5	OBS	T01612	03.85											

TABLE III.—Observed and interpolated oceanographic data for stations taken by USCGC CASCO at Ocean Station DELTA, 12 October–2 November 1968, prepared from NODC listing No. 31-1348 CS.—Continued

REFID	31	1348	YEAR	1968	BOTDP	04590	AIR TEMP	20.0	DIF HGT PER	WIND-DIP	23	INST NANSEN CAST	TEN SQ	1306
CONSEC		0005	MONTH	10	SHIP CS		WET BULB	17.8		WIND-SPD	10	TRACE DIP	5 SQUARE	1
LAT	43	55	N	DAY	23	DATA USE	1	BAROMETR	1007.1	SEA		DURATION	2 SQUARE	20
LONG	041	16	W	HOUR	12.6	AREA	05	CLOUD T/A	3/3	CL/TP		WEATHER	X1	ORIG D25 C05
													1 SQUARE	31

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	P04	TDT P	N02	N03	S103	PH
	STD	00000	15.88	35.58	26.24	00.000	1510.9							
12.6	OBS	00000	15.88	35.583	26.24		1510.9							
	STD	00010	15.87											
	STD	00020	15.86											
	STD	00030	15.83											
12.6	OBS	00047	15.77											
	STD	00050	15.75											
12.6	OBS	00070	15.65											
	STD	00075	15.66											
12.6	OBS	00094	15.68											
	STD	00100	15.56											
	STD	00125	15.09											
12.6	OBS	00140	14.85											
	STD	00150	14.73											
12.6	OBS	T00187	14.28											
	STD	00200	14.10											
	STD	00250	13.50											
12.6	OBS	C0278	13.24											
	STD	00300	13.22											
12.6	OBS	C0369	12.79											
	STD	00400	12.36											
12.6	OBS	00459	11.36											
	STD	C0500	10.44											
12.6	OBS	T00548	09.42											
	STD	00600	08.30											
	STD	00700	06.62											
12.6	OBS	00724	06.31											
	STD	C0800	05.73											
12.6	OBS	T00898	05.10											
12.6	OBS	T01325	03.99	34.936	27.76		1488.7							

REFID	31	1348	YEAR	1968	BOTOP	04645	AIR TEMP	12.6	DIF HGT PER	WIND-DIR	29	INST NANSEN CAST	TEN SQ	1306
CONSEC		0006	MONTH	10	SHIP CS		WET BULB	10.9		WIND-SPD	25	TRACE DIR	5 SQUARE	1
LAT	44	04	N	OAY	25	DATA USE	1	BAROMETR	1012.2	SEA		DURATION	2 SQUARE	40
LONG	041	05	W	HOUR	13.6	AREA	05	CLOUD T/A	8/6	CL/TP		WEATHER	X6	ORIG D25 006
													1 SQUARE	41

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	P04	TDT P	N02	N03	S103	PH
	STD	C0000	16.34	35.86	26.35	00.000	1512.6							
13.6	OBS	00000	16.34	35.865	26.35		1512.6							
	STD	00010	16.34											
	STD	00020	16.34											
13.6	OBS	00022	16.34											
	STD	00030	16.33											
13.6	OBS	00043	16.32											
	STD	00050	16.33											
13.6	OBS	00063	16.34											
	STD	00075	17.12											
13.6	OBS	00086	17.57											
	STD	00100	17.37											
	STD	C0125	16.96											
13.6	OBS	C0128	16.91											
	STD	00150	16.49											
13.6	OBS	T00174	16.01											
	STD	00200	15.35											
13.6	OBS	00249	14.29											
	STD	00250	14.27											
	STD	00300	13.43											
13.6	OBS	T00327	13.08											
	STD	00400	12.50											
13.6	OBS	00400	12.50											
13.6	OBS	00630	07.62											
	STD	00700	06.76											
13.6	OBS	T00794	05.79											
13.6	OBS	T01271	04.19	34.957	27.75		1488.7							

TABLE III.—Observed and interpolated oceanographic data for stations taken by USCGC CASCO at Ocean Station DELTA, 12 October–2 November 1968, prepared from NODC listing No. 31–1348 CS.—Continued

REFID 31 1348	YEAR 1968	BOTOP 04608	AIR TEMP 12.6	OIR HGT PER	WIND-DIR 31	INST NANSEN CAST	TEN SQ 1306
CONSEC 0007	MONTH 10	SHIP CS	WET BULB 12.2	34 4 5	WIND-SPO 23	TRACE OIR	5 SQUARE 1
LAT 43 58 N	DAY 26	DATA USE 1	BAROMETR 1016.3	SEA	WIND-FDR	DURATION	2 SQUARE 20
LONG 040 56 W	HOUR 13.1	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X2	CRIG 025 007	1 SQUARE 30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	S133	PH
13.1	STO	00000	15.40	35.53	26.31	00.000	1509.3							
	OBS	00000	15.40	35.528	26.31		1509.3							
	STO	00010	15.40											
	STO	00020	15.40											
13.1	OBS	00029	15.40											
	STD	00030	15.40											
	STO	00050	15.38											
13.1	OBS	00057	15.37											
	STO	00075	15.48											
13.1	OBS	00086	15.58											
	STD	00100	15.84											
13.1	OBS	00115	15.94											
	STD	00125	15.70											
	STO	00150	15.16											
13.1	OBS	00170	14.79											
	STD	00200	14.40											
13.1	OBS	T00229	14.06											
	STO	00250	13.92											
	STO	00300	13.53											
13.1	OBS	00342	13.17											
	STD	00400	12.72											
13.1	OBS	T00452	12.03											
	STD	00500	10.94											
13.1	OBS	00569	09.47											
	STD	00600	08.82											
13.1	OBS	T00681	07.36											
	STD	00700	07.12											
	STD	00800	06.02											
	STD	00900	05.21											
13.1	OBS	00910	05.14											
	STD	01000	04.82											
	STO	01100	04.51											
13.1	OBS	T01140	04.40											
13.1	OBS	T01681	03.80	34.936	27.78		1493.9							

REFID 31 1348	YEAR 1968	BOTOP 04572	AIR TEMP 16.7	OIR HGT PER	WIND-DIR 18	INST NANSEN CAST	TEN SQ 1306
CONSEC 0008	MONTH 10	SHIP CS	WET BULB 16.7	18 3 2	WIND-SPO 25	TRACE OIR	5 SQUARE 1
LAT 44 02 N	DAY 27	DATA USE 1	BAROMETR 1007.6	SEA	WIND-FDR	DURATION	2 SQUARE 40
LONG 040 58 W	HOUR 13.0	AREA 05	CLOUD T/A 4/6	CL/TR	WEATHER X6	CRIG 025 008	1 SQUARE 40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	S133	PH
13.0	STO	00000	16.26	35.86	26.37	00.000	1512.4							
	OBS	00000	16.26	35.861	26.37		1512.4							
	STO	00010	16.27											
13.0	OBS	00018	16.29											
	STO	00020	16.30											
	STO	00030	16.35											
13.0	OBS	00040	16.39											
	STO	00050	16.42											
13.0	OBS	00060	16.46											
	STO	00075	15.94											
13.0	OBS	00080	15.87											
	STD	00100	16.84											
13.0	OBS	00120	17.29											
	STO	00125	17.21											
	STO	00150	16.72											
13.0	OBS	T00165	16.37											
	STO	00200	15.16											
13.0	OBS	00234	14.28											
	STO	00250	14.03											
	STO	00300	13.43											
13.0	OBS	T00302	13.41											
13.0	OBS	00376	13.02											
	STD	00400	12.60											
	STO	00500	10.79											
13.0	OBS	00572	09.45											
	STO	00600	08.83											
	STO	00700	06.93											
13.0	OBS	T00709	06.79											
	STO	00800	06.25											
	STO	00900	05.66											
	STO	01000	05.07											
13.0	OBS	T01089	04.54	34.970	27.73		1487.1							

TABLE III.—Observed and interpolated oceanographic data for stations taken by USCGC CASCO at Ocean Station DELTA, 12 October–2 November 1968, prepared from NODC listing No. 31-1348 CS.—Continued

REFID 31 1348	YEAR 1968	BOTOP C4609	AIR TEMP 17.2	DIR HGT PER 31 5 5	WIND-DIR 23	INST NANSEN CAST	TEN SQ 1306
CONSEC 0009	MONTH 10	SHIP CS	WET BULB 17.2		WIND-SPD 18	TRACE DIR	5 SQUARE 1
LAT 44 00 N	DAY 30	DATA USE 1	BAROMETR 1004.7	SEA	WIND-FOR	OURATION	2 SQUARE 4C
LONG 041 00 W	HOURL 13.C	AREA 05	CLOUD T/A 7/7	CL/TR	WEATHEP X6	ORIG 025 009	1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	S103	PH
13.0	STO	00000	15.34	35.63	26.40	00.000	1509.2							
	OBS	00000	15.34	35.630	26.40		1509.2							
	STO	00010	15.33											
	STO	00020	15.33											
13.0	OBS	00026	15.33											
	STO	00030	15.33											
	STO	00050	15.34											
13.0	OBS	00050	15.34											
	STO	00075	15.35											
13.0	OBS	00076	15.36											
	STO	00100	15.93											
13.0	OBS	00100	15.93											
	STO	00125	15.92											
	STO	00150	15.15											
13.0	OBS	00151	15.14											
	STO	00200	14.52											
13.0	OBS	T00201	14.51											
	STO	00250	14.01											
13.0	OBS	C0299	13.51											
	STO	00300	13.51											
13.0	OBS	T00398	12.53											
	STO	00400	12.49											
13.0	OBS	00497	10.45											
	STO	00500	10.38											
13.0	OBS	T00595	08.51											
	STO	00600	08.43											
	STO	C0700	07.00											
13.0	OBS	00795	05.98											
	STO	00800	05.95											
	STO	00900	05.37											
	STO	01000	04.88											
13.0	OBS	T01002	04.87											
13.0	OBS	T01546	03.90	34.940	27.77		1492.1							
	STO	01750	03.81	34.94	27.78		1495.1							
	STO	C2000	03.67	34.94	27.79		1498.8							
17.5	OBS	T02177	03.57	34.941	27.80		1501.4							
	STO	02500	03.34	34.94	27.83		1505.9							
17.5	OBS	T02808	03.12											
	STO	03000	02.97	34.94	27.86		1513.0							
17.5	OBS	03433	02.67											
	STO	04000	02.37	34.92	27.90		1527.9							
17.5	OBS	T04075	02.35											
17.5	OBS	T04131	02.34	34.915	27.90		1530.1							

REFID 31 1348	YEAR 1968	BOTOP 04627	AIR TEMP 16.7	DIR HGT PER 24 2 4	WIND-DIR 12	INST NANSEN CAST	TEN SQ 1306
CONSEC 0010	MONTH 10	SHIP CS	WET BULB 16.1		WIND-SPD 22	TRACE DIR	5 SQUARE 1
LAT 44 04 N	DAY 31	DATA USE 1	BAROMETR 1010.8	SEA	WIND-FOR	OURATION	2 SQUARE 4C
LONG C41 16 W	HOURL 13.7	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHEK X2	ORIG 025 010	1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	S103	PH
13.7	STO	00000	16.14	35.89	26.42	00.000	1512.0							
	OBS	00000	16.14	35.895	26.42		1512.0							
	STO	00010	16.15											
	STO	00020	16.17											
13.7	OBS	00023	16.17											
	STO	00030	16.14											
13.7	OBS	00047	16.08											
	STO	00050	16.00											
13.7	OBS	C0072	15.60											
	STO	00075	15.60											
13.7	OBS	00096	15.59											
	STO	00100	15.59											
	STO	00125	15.51											
13.7	OBS	C0146	15.36											
	STO	00150	15.31											
13.7	OBS	T00195	14.69											
	STO	00200	14.59											
	STO	00250	13.69											
13.7	OBS	C0291	13.16											
	STO	00300	13.11											
13.7	OBS	T00389	12.64											
	STO	00400	12.40											
13.7	OBS	00484	10.58											
	STO	00500	10.20											
13.7	OBS	T00576	08.63											
	STO	00600	08.21											
	STO	00700	06.86											
13.7	OBS	00785	06.22											
13.7	OBS	00989 0	05.04											
13.7	OBS	01510 0	03.98	34.954	27.770									

TABLE III.—Observed and interpolated oceanographic data for stations taken by USCGC CASCO at Ocean Station DELTA, 12 October–2 November 1968, prepared from NODC listing No. 31-1348 CS.—Continued

REFID 31 1348	YEAR 1968	BOTDP 04590	AIR TEMP 14.4	DIR HGT PER	WIND-DIR 30	INST NANSEN CAST	TEN SQ 1306
CONSEC 0011	MONTH 11	SHIP CS	WET BULB 13.9	25 5 5	WIND-SPD 10	TRACE DIR	5 SQUARE 1
LAT 44 01 N	DAY 01	DATA USE 1	BARMETR 1014.6	SEA	WIND-FDR	DURATION	2 SQUARE 40
LONG 040 58 W	HOUR 12.8	AREA 05	CLOUD T/A 0/5	CL/TR	WEATHER X1	DRIG D25 011	1 SQUARE 40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	ND2	ND3	SID3	PH
	STD	00000	15.80	35.86	26.47	00.000	1510.9							
12.8	OBS	00000	15.80	35.859	26.47		1510.9							
	STD	00010	15.80											
	STD	00020	15.78											
12.8	OBS	00022	15.78											
	STD	00030	15.76											
12.8	OBS	00046	15.71											
	STD	00050	15.66											
12.8	OBS	00069	15.58											
	STD	00075	15.66											
12.8	OBS	00093	15.80											
	STD	00100	15.75											
	STD	00125	15.56											
12.8	OBS	00139	15.43											
	STD	00150	15.31											
12.8	OBS	00186	14.88											
	STD	00200	14.60											
	STD	00250	13.75											
12.8	OBS	00281	13.33											
	STD	00300	13.27											
12.8	OBS	T00378	12.53											
	STD	C0400	12.08											
12.8	OBS	00470	10.66											
	STD	00500	10.01											
12.8	OBS	T00565	08.73											
	STD	00600	08.09											
	STD	00700	06.57											
12.8	OBS	00750	06.00											
	STD	C0800	05.68											
	STD	00900	05.13											
12.8	OBS	00939	04.94											
12.8	OBS	T01499	03.90	34.986	27.81		1491.3							

REFID 31 1348	YEAR 1968	BOTDP 04645	AIR TEMP 17.2	DIR HGT PER	WIND-DIR 17	INST NANSEN CAST	TEN SQ 1306
CONSEC 0012	MONTH 11	SHIP CS	WET BULB 16.7	15 3 3	WIND-SPD 24	TRACE DIR	5 SQUARE 1
LAT 44 12 N	DAY 02	DATA USE 1	BARMETR 0994.6	SEA	WIND-FDR	DURATION	2 SQUARE 40
LONG 040 58 W	HOUR 12.7	AREA 05	CLOUD T/A 3/3	CL/TR	WEATHER X1	CRIG D25 C12	1 SQUARE 40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	ND2	ND3	SID3	PH
	STD	00000	16.24	35.93	26.42	00.000	1512.4							
12.7	OBS	00000	16.24	35.928	26.42		1512.4							
	STD	00010	16.24											
	STD	00020	16.25											
12.7	OBS	00025	16.25											
	STD	00030	16.26											
12.7	OBS	00049	16.28											
	STD	00050	16.28											
12.7	OBS	00073	16.28											
	STD	00075	16.31											
12.7	OBS	00097	16.40											
	STD	00100	16.33											
	STD	00125	15.81											
12.7	OBS	00140	15.54											
	STD	00150	15.40											
12.7	OBS	T00184	14.93											
	STD	00200	14.71											
	STD	00250	14.04											
12.7	OBS	00269	13.79											
	STD	00300	13.36											
12.7	OBS	T00359	12.61											
	STD	00400	12.29											
12.7	OBS	00447	11.66											
	STD	00500	10.49											
12.7	OBS	T00530	09.87											
	STD	00600	08.50											
	STD	00700	06.92											
12.7	OBS	00700	06.92											
	STD	C0800	05.84											
12.7	OBS	T00663	05.28											
12.7	OBS	T01296	04.10	34.961	27.77		1488.7							

TABLE IV.—Observed and interpolated oceanographic data for stations taken by USCGC CHASE at Ocean Station DELTA, 5 November–24 November 1968, prepared from NODC listing No. 31-8072 E1.

REF ID 31 8072 YEAR 1968 BOTOP 04755 AIR TEMP 12.8 OIR HGT PER WIND-DIR 29 INST STO RECROER TEN SQ 13C6
 CONSEC 0001 MONTH 11 SHIP E1 WET BULB 10.0 29 WIND-SPO 25 TRACE OIR 0 5 SQUARE 1
 LAT 43 48 N DAY 05 DATA USE 1 BAROMETR 1004.4 SEA 4 WIND-FOR DURATION 00.4 2 SQUARE 20
 LONG C40 46 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 026 001 1 SQUARE 30

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO ₂	NO ₃	S103	PH
12.0	STO	00000	16.60	36.18	26.53	00.000	1513.8							
	OBS	00000	16.60	36.183	26.53		1513.8							
	STO	00010	16.60	36.18	26.53	00.015	1513.9							
	OBS	00010	16.60	36.183	26.53		1513.9							
	STO	00020	16.60	36.18	26.53	00.030	1514.1							
	OBS	00020	16.60	36.183	26.53		1514.1							
	STO	00030	16.60	36.18	26.53	00.045	1514.3							
	OBS	00030	16.60	36.183	26.53		1514.3							
	STO	00050	16.60	36.18	26.53	00.075	1514.6							
	OBS	00050	16.60	36.183	26.53		1514.6							
	STO	00075	16.60	36.18	26.53	00.114	1515.0							
	OBS	00075	16.60	36.183	26.53		1515.0							
	STO	00100	16.60	36.18	26.53	00.152	1515.4							
	OBS	00100	16.60	36.183	26.53		1515.4							
	STO	00125	16.60	36.18	26.53	00.191	1515.8							
	OBS	00125	16.60	36.183	26.53		1515.8							
	STO	00140	16.60	36.183	26.53		1516.1							
	OBS	00140	16.60	36.183	26.53		1516.1							
	STO	00150	16.55	36.18	26.55	00.229	1516.1							
	OBS	00150	16.55	36.183	26.55		1516.1							
	STO	00172	16.52	36.178	26.55		1516.4							
	OBS	00172	16.52	36.178	26.55		1516.4							
	STO	00200	16.07	36.17	26.65	00.305	1515.4							
	OBS	00200	16.07	36.173	26.65		1515.4							
	STO	00250	14.73	35.91	26.75	00.376	1511.8							
	OBS	00250	14.73	35.910	26.75		1511.8							
	STO	00300	14.00	35.81	26.83	00.443	1510.1							
	OBS	00300	14.00	35.813	26.83		1510.1							
	STO	00400	12.35	35.57	26.98	00.568	1505.9							
	OBS	00400	12.35	35.570	26.98		1505.9							
	STO	00500	10.83	35.34	27.09	00.662	1502.0							
	OBS	00500	10.83	35.343	27.09		1502.0							
	STO	00600	08.90	35.13	27.26	00.785	1496.4							
	OBS	00600	08.90	35.130	27.26		1496.4							
	STO	00700	07.26	35.00	27.40	00.872	1491.6							
	OBS	00700	07.26	35.003	27.40		1491.6							
	STO	00800	06.00	34.96	27.55	00.945	1488.2							
	OBS	00800	06.00	34.965	27.55		1488.2							
	STO	00900	05.55	34.96	27.60	01.004	1488.1							
	OBS	00900	05.55	34.963	27.60		1488.1							
	STO	01000	04.95	34.96	27.67	01.067	1487.3							
	OBS	01000	04.95	34.958	27.67		1487.3							
	STO	01100	04.77	34.95	27.69	01.121	1488.2							
	OBS	01100	04.77	34.953	27.69		1488.2							
	STO	01200	04.53	34.95	27.71	01.174	1488.9							
	OBS	01200	04.53	34.953	27.71		1488.9							
	STO	01300	04.50	34.95	27.72	01.227	1490.4							
	OBS	01300	04.50	34.952	27.72		1490.4							
	STO	01400	04.50	34.95	27.72	01.260	1492.1							
	OBS	01400	04.50	34.952	27.72		1492.1							
	STO	01500	04.50	34.95	27.72	01.324	1493.8							
	OBS	01500	04.50	34.952	27.72		1493.8							

TABLE IV.—Observed and interpolated oceanographic data for stations taken by USCGC CHASE at Ocean Station DELTA, 5 November–24 November 1968, prepared from NODC listing No. 31-8072 E1.—Continued

REFID 31 8072	YEAR 1966	BC TOP 04114	AIR TEMP 08.9	DIR HGT PER	WIND-DIR 30	INST STD RECD=DEF	TEN SQ 1306
CONSEC 0002	MONTH 11	SHIP E1	WET BULB 08.2	32	WIND-SPD 30	TRACE DIR 0	5 SQUARE 1
LAT 44 19 N	DAY 15	DATA USE 1	BAROMETR 0982.7	SEA 4	WIND-FCR	DURATION 00.4	2 SQUARE 42
LONG 043 00 W	HOUR 12.0	AREA 05	CLCUD T/A	CL/TR	WEATHER X2	ORIG D26 C02	1 SQUARE 43

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TCT R	NO2	NC3	SIG3	PH
12.0	STD	00000	16.28	35.95	26.43	00.000	1512.5							
	OBS	00000	16.28	35.947	26.43		1512.5							
	STD	00010	16.28	35.95	26.43	00.016	1512.7							
	OBS	00010	16.28	35.947	26.43		1512.7							
	STD	00020	16.28	35.95	26.43	00.032	1512.9							
	OBS	00020	16.28	35.947	26.43		1512.9							
	STD	00030	16.28	35.95	26.43	00.048	1513.0							
	OBS	00030	16.28	35.947	26.43		1513.0							
	STD	00050	16.28	35.95	26.43	00.080	1513.3							
	OBS	00050	16.28	35.947	26.43		1513.3							
	STD	00075	16.28	35.96	26.44	00.121	1513.8							
	OBS	00075	16.28	35.956	26.44		1513.8							
	STD	00100	16.30	36.15	26.58	00.160	1514.5							
	OBS	00100	16.30	36.147	26.58		1514.5							
	STD	00125	16.28	36.16	26.59	00.198	1514.8							
	OBS	00125	16.28	36.157	26.55		1514.8							
	STD	00150	16.20	36.12	26.58	00.235	1514.9							
	OBS	00150	16.20	36.117	26.58		1514.9							
	STD	00200	15.02	35.95	26.71	00.308	1511.9							
	OBS	00200	15.02	35.947	26.71		1511.9							
	STD	00250	13.90	35.77	26.82	00.376	1508.9							
	OBS	00250	13.90	35.767	26.82		1508.9							
	STD	00300	13.17	35.65	26.86	00.440	1507.2							
	OBS	00300	13.17	35.652	26.88		1507.2							
	STD	00400	12.10	35.55	27.02	00.561	1505.1							
	OBS	00400	12.10	35.551	27.02		1505.1							
	STD	00500	09.40	35.16	27.19	00.668	1496.6							
	OBS	00500	09.40	35.156	27.19		1496.6							
	STD	00600	08.29	35.14	27.36	00.760	1494.1							
	OBS	00600	08.29	35.136	27.36		1494.1							
	STD	00700	06.50	35.01	27.51	00.836	1488.6							
	OBS	00700	06.50	35.007	27.51		1488.6							
	STD	00800	05.80	35.01	27.61	00.900	1487.5							
	OBS	00800	05.80	35.015	27.61		1487.5							
	STD	00900	05.53	35.02	27.65	00.959	1488.1							
	OBS	00900	05.53	35.022	27.65		1488.1							
	STD	01000	05.18	35.00	27.67	01.015	1488.3							
	OBS	01000	05.18	34.997	27.67		1488.3							
	STD	01100	04.73	34.98	27.71	01.068	1488.1							
	OBS	01100	04.73	34.977	27.71		1488.1							
	STD	01200	04.57	34.98	27.73	01.119	1489.1							
	OBS	01200	04.57	34.977	27.73		1489.1							
	STD	01300	04.39	34.97	27.74	01.170	1490.0							
	OBS	01300	04.39	34.970	27.74		1490.0							
	STD	01400	04.21	34.97	27.76	01.219	1490.9							
	OBS	01400	04.21	34.967	27.76		1490.9							
	STD	01500	04.12	34.96	27.76	01.268	1492.2							
	OBS	01500	04.12	34.958	27.76		1492.2							

TABLE IV.—Observed and interpolated oceanographic data for stations taken by USCGC CHASE at Ocean Station DELTA, 5 November–24 November 1968, prepared from NODC listing No. 31-8072 E1.—Continued

REF ID	31 8072	YEAR	1968	ROTDP	03658	AIR TEMP	10.6	DIR HGT	PER	WIND-DIR	30	INST	STO	REC	DR	DEP	TEN	SG	130
CONSEC	0003	MONTH	11	SHIP	E1	WET BULB	08.9	28		WIND-SPD	21	TRACE	DIR		U		5	SQUARE	1
LAT	44 00 N	DAY	17	DATA	USC 1	BAROMETR	C995.6	SEA	4	WIND-FDF		DURATION		00.5			2	SQUARE	40
LONG	041 00 W	HOUR	11.5	AREA	05	CLOUD	T/A	CL/TF		WEATHER	XL	ORIG	D26	003			1	SQUARE	41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TCT P	NDZ	NO3	SI03	PH
11.B	STD	00000	15.60	35.99	26.62	00.000	1510.5							
	DBS	00000	15.60	35.994	26.62		1510.5							
	STO	00010	15.60	35.99	26.62	00.014	1510.7							
	DBS	00010	15.60	35.994	26.62		1510.7							
	STO	00020	15.60	35.99	26.62	00.028	1510.8							
	DBS	00020	15.60	35.994	26.62		1510.8							
	STO	00030	15.59	36.00	26.63	00.042	1511.0							
	DBS	00030	15.59	36.003	26.63		1511.0							
	STO	00050	15.46	35.95	26.62	00.071	1510.8							
	DBS	00050	15.46	35.950	26.62		1510.8							
	STO	00075	15.50	36.03	26.67	00.107	1511.5							
	DBS	00075	15.50	36.030	26.67		1511.5							
	STO	00100	15.28	35.96	26.66	00.142	1511.1							
	DBS	00100	15.28	35.957	26.66		1511.1							
	STO	00125	15.24	35.95	26.67	00.178	1511.4							
	DBS	00125	15.24	35.949	26.67		1511.4							
	STO	00150	15.10	35.94	26.69	00.213	1511.3							
	DBS	00150	15.10	35.939	26.69		1511.3							
	STO	00200	14.73	35.91	26.75	00.282	1510.9							
	DBS	00200	14.73	35.909	26.75		1510.9							
	STO	00250	13.65	35.75	26.86	00.348	1508.1							
	DBS	00250	13.65	35.747	26.86		1508.1							
	STO	00300	12.78	35.57	26.90	00.411	1505.8							
	DBS	00300	12.78	35.574	26.90		1505.8							
	STO	00400	11.35	35.39	27.03	00.530	1502.3							
	DBS	00400	11.35	35.389	27.03		1502.3							
	STO	00500	09.65	35.19	27.18	00.637	1497.6							
	DBS	00500	09.65	35.194	27.18		1497.6							
	STO	00600	08.07	35.06	27.33	00.730	1493.1							
	DBS	00600	08.07	35.062	27.33		1493.1							
	STO	00700	06.75	34.98	27.46	00.810	1489.6							
	DBS	00700	06.75	34.984	27.46		1489.6							
	STO	00800	05.75	34.96	27.57	00.879	1487.2							
	DBS	00800	05.75	34.958	27.57		1487.2							
	STO	00900	05.25	34.97	27.65	00.939	1486.9							
	DBS	00900	05.25	34.974	27.65		1486.9							
	STO	01000	05.00	34.97	27.68	00.994	1487.5							
	DBS	01000	05.00	34.974	27.68		1487.5							
	STO	01100	04.75	34.95	27.69	01.048	1488.1							
	DBS	01100	04.75	34.951	27.69		1488.1							
	STO	01200	04.46	34.95	27.72	01.101	1488.6							
	DBS	01200	04.46	34.954	27.72		1488.6							
	STO	01300	04.22	34.95	27.75	01.151	1489.3							
	DBS	01300	04.22	34.954	27.75		1489.3							
	STO	01400	04.05	34.94	27.76	01.199	1490.2							
	DBS	01400	04.05	34.944	27.76		1490.2							
	STO	01500	03.95	34.93	27.76	01.248	1491.5							
	DBS	01500	03.95	34.934	27.76		1491.5							

TABLE IV.—Observed and interpolated oceanographic data for stations taken by USCGC CHASE at Ocean Station DELTA, 5 November–24 November 1968, prepared from NODC listing No. 31-8072 E1.—Continued

REF ID	31 8072	YEAR	1968	ROTOP	04755	AIR TEMP	10.0	OIP HGT PER		WIND-DIR	29	INST STD	FECHDER	TEN SQ	1306
CONSEC	0004	MONTH	11	SHIP	E1	WET BULB	07.8	SEA	5	WIND-SPO	20	TRACE DIR	D	5 SQUARE	1
LAT	44 00 N	DAY	17	DATA USE	1	BAROMETR	0999.0	CL/TR		WIND-FGF		DURATION	00.4	2 SQUARE	40
LONG	040 55 W	HOUR	17.7	AREA	05	CLGUD T/A				WEATHER	X1	ORIG	026 004	1 SQUARE	40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
17.7	STD	00000	15.33	35.96	26.66	00.000	1509.6							
	OBS	00000	15.33	35.961	26.66		1509.6							
	STD	00010	15.33	35.96	26.66	00.013	1509.8							
	OBS	00010	15.33	35.961	26.66		1509.8							
	STD	00020	15.33	35.96	26.66	00.027	1509.9							
	OBS	00020	15.33	35.961	26.66		1509.9							
	STD	00030	15.33	35.96	26.66	00.041	1510.1							
	OBS	00030	15.33	35.961	26.66		1510.1							
	STD	00050	15.33	35.96	26.66	00.070	1510.4							
	OBS	00050	15.33	35.961	26.66		1510.4							
	STD	00075	15.33	35.96	26.66	00.105	1510.8							
	OBS	00075	15.33	35.961	26.66		1510.8							
	OBS	00080	15.33	35.961	26.66		1510.9							
	OBS	00085	15.24	35.945	26.66		1510.7							
	STD	00100	15.24	35.94	26.66	00.140	1510.9							
	OBS	00100	15.24	35.945	26.66		1510.9							
	OBS	00120	15.23	35.945	26.67		1511.2							
	STD	00125	15.19	35.96	26.68	00.176	1511.2							
	STD	00150	14.88	35.97	26.76	00.210	1510.7							
	OBS	00150	14.88	35.968	26.76		1510.7							
	STD	00200	13.79	35.79	26.86	00.275	1507.8							
	OBS	00200	13.79	35.795	26.86		1507.8							
	STD	00250	13.19	35.70	26.91	00.327	1506.5							
	OBS	00250	13.19	35.697	26.91		1506.5							
	STD	00300	12.67	35.63	26.97	00.397	1505.5							
	OBS	00300	12.67	35.635	26.97		1505.5							
	STD	00400	10.98	35.38	27.09	00.509	1500.9							
	OBS	00400	10.98	35.378	27.09		1500.9							
	STD	00500	09.09	35.14	27.24	00.610	1495.4							
	OBS	00500	09.09	35.145	27.24		1495.4							
	STD	00600	07.69	35.04	27.37	00.699	1491.7							
	OBS	00600	07.69	35.038	27.37		1491.7							
	STD	00700	06.61	35.00	27.50	00.775	1489.0							
	OBS	00700	06.61	35.005	27.50		1489.0							
	STD	00800	05.89	35.00	27.59	00.841	1487.8							
	OBS	00800	05.89	35.005	27.59		1487.8							
	STD	00900	05.29	35.00	27.66	00.859	1487.1							
	OBS	00900	05.29	34.998	27.66		1487.1							
	STD	01000	05.02	34.99	27.68	00.954	1487.6							
	OBS	01000	05.02	34.988	27.68		1487.6							
	STD	01100	04.81	34.98	27.70	01.007	1488.4							
	OBS	01100	04.81	34.976	27.70		1488.4							
	STD	01200	04.54	34.98	27.73	01.059	1489.0							
	OBS	01200	04.54	34.981	27.73		1489.0							
	STD	01300	04.19	34.96	27.76	01.108	1489.2							
	OBS	01300	04.19	34.960	27.76		1489.2							
	STD	01400	04.14	34.96	27.76	01.156	1490.6							
	OBS	01400	04.14	34.960	27.76		1490.6							
	STD	01500	03.99	34.95	27.77	01.204	1491.7							
	OBS	01500	03.99	34.953	27.77		1491.7							

TABLE IV.—Observed and interpolated oceanographic data for stations taken by USCGC CHASE at Ocean Station DELTA, 5 November–24 November 1968, prepared from NODC listing No. 31-8072 E1.—Continued

REFID 31 8072 YEAR 1968 BOTDTP 04572 AIP TEMP 09.4 O1A HGT PER WIND-DIR 27 INST STD RECORDER TEN SO 1306
 CONSEC 0005 MDNTH 11 SNIP E1 WET BULB 06.7 28 WIND-SPD 27 TRACE OIR 0 5 SQUARE 1
 LAT 44 00 N DAY 18 DATA USE 1 BAROMETR 1007.5 SEA 3 WIND-FCR DURATION 00.4 2 SQUARE 40
 LONG 041 13 W HDUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 026 005 1 SQUARE 41

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P04	TCT P	NO2	NO3	SID3	PH
11.8	STD	00000	14.82	35.88	26.70	00.000	1507.9							
	D8S	00000	14.82	35.876	26.70		1507.9							
	STD	00010	14.82	35.90	26.72	00.013	1508.1							
	O8S	00010	14.82	35.897	26.72		1508.1							
	STD	00020	14.82	35.90	26.72	00.026	1508.3							
	O8S	00020	14.82	35.903	26.72		1508.3							
	STD	00030	14.82	35.90	26.73	00.040	1508.4							
	O8S	00030	14.82	35.904	26.73		1508.4							
	STD	00050	14.82	35.90	26.73	00.066	1508.8							
	D8S	00050	14.82	35.904	26.73		1508.8							
	STD	00075	14.82	35.90	26.73	00.100	1509.2							
	O8S	00075	14.82	35.904	26.73		1509.2							
	STD	00100	14.82	35.90	26.73	00.134	1509.6							
	O8S	00100	14.82	35.904	26.73		1509.6							
	D8S	00112	14.81	35.932	26.75		1509.8							
	STD	00125	14.74	35.96	26.79	00.167	1509.8							
	D8S	00125	14.74	35.964	26.79		1509.8							
	STD	00150	14.10	35.85	26.84	00.199	1506.0							
	O8S	00150	14.10	35.850	26.84		1506.0							
	STD	00200	13.76	35.78	26.86	00.262	1507.6							
	O8S	00200	13.76	35.784	26.86		1507.6							
	STD	00250	12.95	35.70	26.97	00.323	1505.7							
	D8S	00250	12.95	35.704	26.97		1505.7							
	STD	00300	12.77	35.66	26.97	00.362	1505.8							
	O8S	00300	12.77	35.656	26.97		1505.8							
	STD	00400	11.25	35.43	27.09	00.495	1502.0							
	D8S	00400	11.25	35.434	27.09		1502.0							
	STD	00500	09.22	35.18	27.24	00.596	1496.0							
	D8S	00500	09.22	35.179	27.24		1496.0							
	STD	00600	07.47	35.04	27.41	00.662	1490.8							
	D8S	00600	07.47	35.044	27.41		1490.8							
	STD	00700	06.39	35.02	27.54	00.754	1488.2							
	O8S	00700	06.39	35.024	27.54		1488.2							
	STD	00800	05.74	35.01	27.61	00.817	1487.2							
	D8S	00800	05.74	35.006	27.61		1487.2							
	STD	00900	05.10	34.99	27.68	00.874	1486.3							
	D8S	00900	05.10	34.991	27.68		1486.3							
	STD	01000	04.77	34.97	27.70	00.926	1486.6							
	O8S	01000	04.77	34.972	27.70		1486.6							
	STD	01100	04.52	34.95	27.71	00.977	1487.2							
	D8S	01100	04.52	34.954	27.71		1487.2							
	STD	01200	04.24	34.94	27.74	01.027	1487.7							
	O8S	01200	04.24	34.944	27.74		1487.7							
	STD	01300	04.19	34.94	27.74	01.076	1489.1							
	O8S	01300	04.19	34.944	27.74		1489.1							
	STD	01400	04.15	34.94	27.75	01.126	1490.7							
	O8S	01400	04.15	34.944	27.75		1490.7							
	STD	01500	04.10	34.94	27.75	01.175	1492.1							
	D8S	01500	04.10	34.944	27.75		1492.1							

TABLE IV.—Observed and interpolated oceanographic data for stations taken by USCGC CHASE at Ocean Station DELTA, 5 November–24 November 1968, prepared from NODC listing No. 31-8072 E1.—Continued

REFID 31 8072	YEAR 1968	BOTDP 04755	AIR TEMP 07.8	DIF HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1306
CONSEC 0006	MONTH 11	SHIP E1	WET BULB 05.6	30	WIND-SPD 20	TRACE DIR 0	5 SQUARE 1
LAT 44 04 N	DAY 19	DATA USE 1	BAROMETR 1012.2	SEA 5	WIND-FDR	DURATION 00.5	2 SQUARE 40
LONG 041 08 W	HOUR 23.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 026 006	1 SQUARE 41

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	UYN DPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
23.7	STD	00000	14.61	35.84	26.72	00.000	1507.2							
	OBS	00000	14.61	35.839	26.72		1507.2							
	STD	00010	14.61	35.84	26.72	00.013	1507.3							
	OBS	00010	14.61	35.839	26.72		1507.3							
	STD	00020	14.61	35.84	26.72	00.026	1507.5							
	OBS	00020	14.61	35.841	26.72		1507.5							
	STD	00030	14.61	35.84	26.72	00.040	1507.7							
	OBS	00030	14.61	35.841	26.72		1507.7							
	STD	00050	14.61	35.84	26.72	00.060	1508.0							
	OBS	00050	14.61	35.841	26.72		1508.0							
	STD	00075	14.61	35.85	26.73	00.100	1508.4							
	OBS	00075	14.61	35.847	26.73		1508.4							
	STD	00100	14.61	35.85	26.73	00.134	1508.8							
	OBS	00100	14.61	35.849	26.73		1508.8							
	STD	00125	14.61	35.85	26.73	00.168	1509.2							
	OBS	00125	14.61	35.849	26.73		1509.2							
	STD	00150	14.61	35.87	26.75	00.202	1509.7							
	OBS	00150	14.61	35.872	26.75		1509.7							
	OBS	00165	14.61	35.902	26.77		1510.0							
	STD	00200	14.27	35.87	26.82	00.268	1509.4							
	OBS	00200	14.27	35.874	26.82		1509.4							
	STD	00250	13.50	35.74	26.88	00.332	1507.6							
	OBS	00250	13.50	35.741	26.88		1507.6							
	STD	00300	12.89	35.65	26.94	00.393	1506.2							
	OBS	00300	12.89	35.649	26.94		1506.2							
	STD	00400	11.82	35.50	27.03	00.511	1504.0							
	OBS	00400	11.82	35.501	27.03		1504.0							
	STD	00500	09.82	35.24	27.19	00.617	1498.3							
	OBS	00500	09.82	35.244	27.19		1498.3							
	STD	00600	07.97	35.02	27.31	00.711	1492.7							
	OBS	00600	07.97	35.019	27.31		1492.7							
	STD	00700	06.77	35.05	27.51	00.789	1489.7							
	OBS	00700	06.77	35.047	27.51		1489.7							
	STD	00800	05.78	35.01	27.61	00.854	1487.4							
	OBS	00800	05.78	35.006	27.61		1487.4							
	STD	00900	05.22	34.98	27.65	00.912	1486.8							
	OBS	00900	05.22	34.977	27.65		1486.8							
	STD	01000	04.79	34.98	27.70	00.966	1486.7							
	OBS	01000	04.79	34.976	27.70		1486.7							
	STD	01100	04.54	34.97	27.72	01.017	1487.3							
	OBS	01100	04.54	34.969	27.72		1487.3							
	STD	01200	04.25	34.94	27.74	01.060	1487.7							
	OBS	01200	04.25	34.944	27.74		1487.7							
	STD	01300	04.16	34.93	27.74	01.116	1489.0							
	OBS	01300	04.16	34.935	27.74		1489.0							
	STD	01400	04.02	34.93	27.75	01.165	1490.1							
	OBS	01400	04.02	34.934	27.75		1490.1							
	STD	01500	03.92	34.93	27.76	01.213	1491.4							
	OBS	01500	03.92	34.934	27.76		1491.4							

TABLE IV.—Observed and interpolated oceanographic data for stations taken by USCGC CHASE at Ocean Station DELTA, 5 November–24 November 1968, prepared from NODC listing No. 31-8072 E1.—Continued

REFID 31 8072 YEAR 1968 BOTOP 03292 AIR TEMP 07.2 OIR HGT PER WIND-OIR 26 INST STO RECORDER TEN SQ 1306
 CONSEC 0007 MONTH 11 SHIP E1 WET BULB 06.7 25 #WIND-SPO 25 TRACE DIR 0 5 SQUARE 2
 LAT 44 48 N DAY 22 DATA USE 1 BAROMETR 1017.6 SEA 3 WIND-FDR DURATION 00.5 2 SQUARE 44
 LONG 045 24 W AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG 026 007 1 SQUARE 45

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	DXYG	P34	TDT P	NO _z	NO ₃	SID3	PH
23.8	STD	00000	08.59	33.54	26.06	00.000	1483.3							
	OBS	00C00	08.59	33.541	26.06		1483.3							
	STD	00010	07.95	33.63	26.23	00.018	1481.1							
	OBS	00010	07.95	33.631	26.23		1481.1							
	STD	00C20	07.15	33.55	26.28	00.036	1478.1							
	OBS	00020	07.15	33.53 Q	26.340									
	STD	00C30	06.47	33.50	26.33	00.053	1475.5							
	OBS	00030	06.47	33.496	26.33		1475.5							
	STD	00050	06.28	33.46	26.34	00.088	1475.0							
	OBS	00050	06.28	33.481	26.34		1475.0							
	OBS	00055	06.26	33.481	26.34		1475.0							
	STD	00075	03.33	33.81	26.93	00.123	1463.6							
	OBS	00075	03.33	33.93 Q	27.020									
	OBS	00090	04.36	34.25 Q	27.170									
	STD	00100	04.37	34.15	27.05 *	00.150	1468.9							
	OBS	00100	04.37	34.33 Q	27.240									
	OBS	00112	03.94	34.28 Q	27.240									
	STD	00125	04.37	34.40	27.29	00.172	1469.7							
	OBS	00125	04.37	34.39 Q	27.280									
	OBS	00138	04.64	34.43 Q	27.292									
	STD	00150	04.64	34.58	27.40	00.191	1471.4							
	OBS	00150	04.64	34.576	27.40		1471.4							
	OBS	00175	04.65	34.666	27.47		1472.0							
	OBS	00190	05.35	34.796	27.49		1475.3							
	STD	00200	05.40	34.85	27.53	00.223	1475.7							
	OBS	00200	05.40	34.851	27.53		1475.7							
	OBS	00219	05.36	34.861	27.54		1475.9							
	OBS	00224	05.21	34.936	27.62		1475.5							
	STD	00250	05.20	34.96	27.64	00.250	1475.9							
	OBS	00250	05.20	34.964	27.64		1475.9							
	STD	00300	04.65	34.93	27.68	00.274	1474.4							
	OBS	00300	04.65	34.925	27.68		1474.4							
	STD	00400	04.45	34.94	27.71	00.318	1475.2							
	OBS	00400	04.45	34.938	27.71		1475.2							
	STD	00500	04.23	34.94	27.74	00.361	1476.0							
	OBS	00500	04.23	34.941	27.74		1476.0							
	STD	00600	04.14	34.95	27.75	00.403	1477.3							
	OBS	00600	04.14	34.948	27.75		1477.3							
	STD	00700	04.04	34.95	27.76	00.445	1478.5							
	OBS	00700	04.04	34.948	27.76		1478.5							
	STD	00800	04.02	34.96	27.77	00.466	1480.1							
	OBS	00800	04.02	34.956	27.77		1480.1							
	STD	00900	03.80	34.95	27.79	00.527	1480.8							
	OBS	00900	03.80	34.948	27.79		1480.8							
	STD	01000	03.65	34.93	27.79	00.568	1482.0							
	OBS	01000	03.69	34.935	27.79		1482.0							
	STD	01100	03.68	34.93	27.75	00.609	1483.6							
	OBS	01100	03.68	34.931	27.75		1483.6							
	STD	01200	03.60	34.94	27.80	00.651	1485.0							
	OBS	01200	03.60	34.939	27.80		1485.0							
	STD	01300	03.59	34.94	27.80	00.652	1486.6							
	OBS	01300	03.59	34.940	27.80		1486.6							
	STD	01400	03.58	34.94	27.80	00.735	1488.3							
	OBS	01400	03.58	34.941	27.80		1488.3							
	STD	01500	03.57	34.94	27.80	00.777	1489.9							
	OBS	01500	03.57	34.941	27.80		1489.9							

TABLE IV.—Observed and interpolated oceanographic data for stations taken by USCGC CHASE at Ocean Station DELTA, 5 November–24 November 1968, prepared from NODC listing No. 31-8072 E1.—Continued

REFID 31 8072	YEAR 1968	BOTOP 04663	AIR TEMP 08.5	DIR HGT PER	WIND-OIR 27	INST STD RECORDER	TEN SQ 1306
CONSEC 0008	MONTH 11	SHIP E1	WET BULB 07.6	27	WIND-SPO 15	TRACE OIR 0	5 SQUARE 1
LAT 44 23 N	DAY 23	DATA USE 1	EAFOMETR 1019.0	SEA 3	WIND-FOP	DURATION 00.6	2 SQUARE 42
LONG 043 12 W	HOOR 05.7	AREA 05	CLOUD T/A	CL/TP	WEATHER X1	CRIG 026 C08	1 SQUARE 43

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
05.7	STD	00000	16.68	35.62	26.08	00.000	1513.3							
	OBS	00000	16.68	35.619	26.08		1513.3							
	OBS	00007	16.68	35.619	26.08		1513.5							
	STD	00010	16.82	35.66	26.08	00.019	1514.0							
	OBS	00010	16.82											
	STD	00020	17.10	35.75	26.08	00.038	1515.1							
	OBS	00020	17.10	35.749	26.08		1515.1							
	STD	00030	17.17	35.78	26.09	00.058	1515.5							
	OBS	00030	17.17	35.765	26.09		1515.5							
	OBS	00040	17.38											
	OBS	00042	17.67											
	STD	00050	17.67	36.31	26.37	00.094	1517.9							
	OBS	00050	17.67	36.309	26.37		1517.9							
	STD	00075	17.67	36.41	26.45	00.135	1518.5							
	OBS	00075	17.67	36.414	26.45		1518.5							
	OBS	00080	17.66	36.414	26.46		1518.5							
	OBS	00088	16.94											
	STD	00100	16.94	36.17	26.44	00.176	1516.4							
	OBS	00100	16.94	36.167	26.44		1516.4							
	OBS	00103	16.95	36.167	26.44		1516.5							
	OBS	00108	17.10	36.234	26.45		1517.1							
	STD	00125	17.16	36.25	26.45	00.216	1517.6							
	OBS	00130	17.18	36.249	26.45		1517.7							
	STD	00150	16.76	36.38	26.65	00.255	1517.0							
	OBS	00150	16.76	36.379	26.65		1517.0							
	OBS	00170	16.69	36.361	26.65		1517.1							
	OBS	00175	16.62	36.362	26.67		1516.9							
	OBS	00192	16.32	36.317	26.70		1516.2							
	STD	00200	16.24	36.29	26.70	00.327	1516.1							
	OBS	00200	16.24	36.286	26.70		1516.1							
	STD	00250	15.51	36.16	26.77	00.396	1514.5							
	OBS	00250	15.51	36.159	26.77		1514.5							
	STD	00300	15.09	36.11	26.82	00.464	1514.0							
	OBS	00300	15.09	36.109	26.82		1514.0							
	OBS	00335	14.80	36.059	26.85		1513.6							
	STD	00400	13.47	35.82	26.95	00.592	1510.0							
	OBS	00400	13.47	35.819	26.95		1510.0							
	STD	00500	11.72	35.58	27.11	00.707	1505.4							
	OBS	00500	11.72	35.582	27.11		1505.4							
	OBS	00515	10.92	35.574	27.26		1502.9							
	STD	00600	09.46	35.26	27.26	00.809	1498.6							
	OBS	00600	09.46	35.259	27.26		1498.6							
	STD	00700	07.67	35.12	27.44	00.895	1493.3							
	OBS	00700	07.67	35.119	27.44		1493.3							
	OBS	00730	07.34	35.154	27.51		1492.6							
	OBS	00778	07.34	35.212	27.56		1493.5							
	STD	00800	07.00	35.26	27.64	00.963	1492.6							
	OBS	00800	07.00	35.260	27.64		1492.6							
	OBS	00860	06.25	35.132	27.65		1490.4							
	OBS	00670	06.10	35.160	27.69		1490.0							
	OBS	00880	05.49	35.079	27.70		1487.7							
	STD	00900	05.40	35.05	27.69	01.019	1487.6							
	OBS	00900	05.40	35.047	27.69		1487.6							
	OBS	00910	05.20	35.029	27.70		1486.9							
	OBS	00950	05.20	35.024	27.69		1487.6							
	STD	01000	04.88	34.99	27.70	01.071	1487.0							
	OBS	01000	04.88	34.987	27.70		1487.0							
	STD	01100	04.43	34.96	27.73	01.122	1486.8							
	OBS	01100	04.43	34.964	27.73		1486.8							
	STD	01200	04.42	34.99	27.76	01.170	1488.5							
	OBS	01200	04.42	34.994	27.76		1488.5							
	STD	01300	04.14	34.96	27.76	01.217	1489.0							
	OBS	01300	04.14	34.962	27.76		1489.0							
	STD	01400	04.05	34.96	27.77	01.265	1490.3							
	OBS	01400	04.05	34.959	27.77		1490.3							
	STD	01500	04.05	34.96	27.77	01.312	1491.9							
	OBS	01500	04.05	34.959	27.77		1491.9							

TABLE IV.--Observed and interpolated oceanographic data for stations taken by USCGC CHASE at Ocean Station DELTA, 5 November-24 November 1968, prepared from NODC listing No. 31-8072 E1.--Continued

REFID 31 8072 YEAR 1968 BOTOP 04572 AIR TEMP 15.0 DIR HGT PER WIND-OIP 16 INST STO RECOROER TEN SO 1306
 CONSEC 0009 MONTH 11 SHIP E1 WET BULB 13.9 24 3 WIND-SFD 13 TRACE DIR 0 5 SQUARE 1
 LAT 44 10 N DAY 23 DATA USE 1 BAROMETR 1013.5 SEA WIND-FGR DUPATION 00.5 2 SQUARE 40
 LONG 041 20 W HOUR 11.8 APEA 05 CLOUD T/A CL/TRF WEATHER X1 CRIG 026 009 1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	JXYG	PC4	TCT P	NO2	NO3	SIJ3	PH
11.8	STO	00000	13.47	35.46	26.67	00.000	1503.0							
	OBS	00000	13.47	35.462	26.67		1503.0							
	STO	00010	13.47	35.47	26.68	00.013	1503.2							
	OBS	00010	13.47	35.467	26.68		1503.2							
	STO	00020	13.48	35.47	26.67	00.027	1503.4							
	OBS	00020	13.48	35.467	26.67		1503.4							
	OBS	00024	13.49	35.467	26.67		1503.5							
	STO	00030	13.89	35.60	26.69	00.041	1505.1							
	OBS	00030	13.89	35.597	26.69		1505.1							
	OBS	00047	14.30	35.839	26.79		1507.0							
	STO	00050	14.30	35.84	26.79	00.067	1507.0							
	OBS	00050	14.30	35.842	26.79		1507.0							
	STO	00075	14.30	35.86	26.80	00.099	1507.4							
	OBS	00075	14.30	35.857	26.80		1507.4							
	STO	00100	14.30	35.86	26.80	00.131	1507.8							
	OBS	00100	14.30	35.857	26.80		1507.8							
	STO	00125	14.31	35.86	26.80	00.164	1508.3							
	OBS	00125	14.31	35.857	26.80		1508.3							
	STO	00150	14.31	35.86	26.80	00.196	1508.7							
	OBS	00150	14.31	35.857	26.80		1508.7							
	OBS	00173	14.30	35.901	26.84		1509.1							
	OBS	00184	14.23	35.892	26.84		1509.0							
	OBS	00187	13.88	35.867	26.90		1507.9							
	STO	00200	13.79	35.85	26.90	00.259	1507.8							
	OBS	00200	13.79	35.847	26.90		1507.8							
	OBS	00203	13.77	35.835	26.90		1507.8							
	OBS	00207	13.44	35.787	26.95		1506.7							
	STO	00250	13.14	35.72	26.94	00.319	1506.3							
	OBS	00250	13.14	35.722	26.94		1506.3							
	OBS	00295	11.91	35.501	27.01		1502.6							
	STO	00300	11.90	35.50	27.01	00.377	1502.7							
	OBS	00300	11.90	35.499	27.01		1502.7							
	OBS	00318	11.90	35.497	27.01		1503.0							
	OBS	00340	11.72	35.484	27.04		1502.7							
	STO	00400	10.02	35.25	27.17	00.484	1497.4							
	OBS	00400	10.02	35.255	27.17		1497.4							
	OBS	00485	07.79	34.902	27.25		1490.0							
	OBS	00491	07.80	34.897	27.24		1490.1							
	STO	00500	07.97	34.97	27.27	00.578	1491.0							
	OBS	00500	07.97	34.969	27.27		1491.0							
	OBS	00507	08.01	35.077	27.35		1491.4							
	STO	00600	06.69	35.01	27.49	00.658	1487.7							
	OBS	00600	06.69	35.012	27.49		1487.7							
	STO	00700	05.60	35.00	27.63	00.721	1485.0							
	OBS	00700	05.60	35.003	27.63		1485.0							
	STO	00800	05.16	35.00	27.68	00.775	1484.9							
	OBS	00800	05.16	35.003	27.68		1484.9							
	STO	00900	04.79	35.00	27.72	00.826	1485.0							
	OBS	00900	04.79	35.003	27.72		1485.0							
	STO	01000	04.63	35.00	27.74	00.874	1486.0							
	OBS	01000	04.63	35.004	27.74		1486.0							
	STO	01100	04.46	35.00	27.76	00.921	1487.0							
	OBS	01100	04.46	34.997	27.76		1487.0							
	STO	01200	04.21	34.98	27.77	00.967	1487.6							
	OBS	01200	04.21	34.977	27.77		1487.6							
	STO	01300	04.10	34.97	27.77	01.013	1488.8							
	OBS	01300	04.10	34.972	27.77		1488.8							
	STO	01400	04.02	34.97	27.78	01.059	1490.2							
	OBS	01400	04.02	34.972	27.78		1490.2							
	STO	01500	03.95	34.97	27.79	01.105	1491.5							
	OBS	01500	03.95	34.967	27.79		1491.5							

TABLE IV.—Observed and interpolated oceanographic data for stations taken by USCGC CHASE at Ocean Station DELTA, 5 November–24 November 1968, prepared from NODC listing No. 31-8072 E1.—Continued

REFID 31 8072	YEAR 1968	BOTOP 04572	AIR TEMP 12.2	DIR HGT PEP	WIND-DIR 30	INST STD RECORDER	TEN 50 1306
CONSEC CC1C	MONTH 11	SHIP E1	WET BULB 11.7	16	WIND-SPO 28	TRACE DIP 0	5 SQUARE 1
LAT 44 00 N	DAY 24	DATA USE 1	BAROMETR 1000.7	SEA 3	WIND-FCP	DURATION 00.4	2 SQUARE 40
LONG 041 00 W	HOOR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	CRIG 026 C10	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	P34	TCT P	NO2	NO3	SIO3	PH
23.6	STD	00000	14.77	35.64	26.53	00.000	1507.4							
	OBS	CC000	14.77	35.636	26.52		1507.4							
	STD	00010	14.37	35.74	26.70	00.014	1506.5							
	OBS	CC010	14.37	35.741	26.70		1506.5							
	STD	00020	14.40	35.86	26.78	00.027	1506.9							
	OBS	CC020	14.40	35.856	26.78		1506.9							
	STD	00030	14.38	35.64	26.77	00.040	1506.9							
	OBS	CC030	14.38	35.636	26.77		1506.9							
	STD	00050	14.47	35.68	26.76	00.060	1507.6							
	OBS	CC050	14.47	35.676	26.76		1507.6							
	STD	00075	14.57	35.89	26.77	00.098	1508.3							
	OBS	CC075	14.57	35.886	26.77		1508.3							
	STD	00100	14.57	35.90	26.78	00.131	1508.8							
	OBS	CC100	14.57	35.903	26.78		1508.8							
	STD	00125	14.49	35.89	26.78	00.164	1508.9							
	OBS	CC125	14.49	35.886	26.78		1508.9							
	STD	00150	14.49	35.89	26.78	00.197	1509.3							
	OBS	CC150	14.49	35.886	26.78		1509.3							
	STD	00200	13.23	35.63	26.85	00.261	1505.7							
	OBS	CC200	13.23	35.628	26.85		1505.7							
	STD	00250	12.57	35.56	26.93	00.323	1504.2							
	OBS	CC250	12.57	35.556	26.93		1504.2							
	STD	00300	12.27	35.51	26.95	00.363	1504.0							
	OBS	CC300	12.27	35.512	26.95		1504.0							
	STD	00400	10.07	35.23	27.14	00.494	1497.5							
	OBS	CC400	10.07	35.226	27.14		1497.5							
	STD	00500	08.10	35.06	27.33	00.527	1491.6							
	OBS	CC500	08.10	35.061	27.33		1491.6							
	STD	00600	06.56	34.99	27.49	00.665	1487.3							
	OBS	CC600	06.56	34.986	27.49		1487.3							
	STD	00700	05.87	34.99	27.58	00.730	1486.1							
	OBS	CC700	05.87	34.986	27.58		1486.1							
	STD	00800	05.44	35.00	27.64	00.789	1486.0							
	OBS	CC800	05.44	34.999	27.64		1486.0							
	STD	00900	05.18	35.01	27.68	00.844	1486.6							
	OBS	CC900	05.18	35.006	27.68		1486.6							
	STD	01000	05.07	35.00	27.69	00.897	1487.8							
	OBS	CC1000	05.07	34.999	27.69		1487.8							
	STD	01100	04.56	34.97	27.72	00.949	1487.4							
	OBS	CC1100	04.56	34.969	27.72		1487.4							
	STD	01200	04.45	34.95	27.72	01.000	1488.0							
	OBS	CC1200	04.45	34.954	27.72		1488.0							
	STD	01300	04.19	34.95	27.75	01.050	1489.2							
	OBS	CC1300	04.19	34.954	27.75		1489.2							
	STD	01400	04.13	34.95	27.75	01.098	1490.6							
	OBS	CC1400	04.13	34.946	27.75		1490.6							
	STD	01500	03.97	34.95	27.77	01.147	1491.6							
	OBS	CC1500	03.97	34.946	27.77		1491.6							

TABLE V.—Observed and interpolated oceanographic data for stations taken by USCGC ANDRO-SCOGGIN at Ocean Station DELTA, 25 November–15 December 1968, prepared from NODC listing No. 31–8074 AI.

REFID 31 8074	YEAR 1968	BOTOP 04663	AIR TEMP 68.3	DIP HGT PER	WIND-DIR 27	INST STO RECORDER	TEN SQ 1306
CONSEC 0001	MONTH 11	SHIP AI	WET BULB 05.6	31 6 3	WIND-SPD 16	TRACE DIR 0	5 SQUARE 1
LAT 44 11 N	DAY 25	DATA USE 1	BAROMETR 1024.0	SEA	WIND-FDR	DURATION 00.5	2 SQUARE 40
LONG 040 49 W	HOUR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 027 001	1 SQUARE 40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NG3	SIG3	RH
18.0	STD	00000	13.33	35.46	26.70	00.000	1502.5							
	OBS	00000	13.33	35.460	26.70		1502.5							
	STD	00010	13.33	35.46	26.70	00.013	1502.7							
	OBS	00010	13.33	35.460	26.70		1502.7							
	STD	00020	13.34	35.46	26.70	00.027	1502.9							
	OBS	00020	13.34	35.460	26.70		1502.9							
	STD	00030	13.34	35.47	26.70	00.040	1503.1							
	OBS	00030	13.34	35.469	26.70		1503.1							
	STD	00050	13.36	35.47	26.70	00.067	1503.5							
	OBS	00050	13.36	35.470	26.70		1503.5							
	STD	00075	13.36	35.48	26.71	00.102	1503.9							
	OBS	00075	13.36	35.476	26.71		1503.9							
	STD	00100	13.36	35.48	26.71	00.136	1504.3							
	OBS	00100	13.36	35.480	26.71		1504.3							
	STD	00125	13.44	35.51	26.72	00.170	1505.0							
	OBS	00125	13.44	35.510	26.72		1505.0							
	OBS	00140	13.82	35.690	26.78		1506.7							
	STD	00150	13.92	35.73	26.78	00.204	1507.3							
	OBS	00150	13.92	35.728	26.78		1507.3							
	OBS	00165	13.87	35.730	26.80		1507.4							
	STD	00200	13.73	35.77	26.86	00.266	1507.5							
	OBS	00200	13.73	35.770	26.86		1507.5							
	OBS	00220	13.37	35.690	26.87		1506.6							
	STD	00250	12.56	35.57	26.94	00.329	1504.2							
	OBS	00250	12.56	35.574	26.94		1504.2							
	STD	00300	12.55	35.58	26.95	00.369	1505.0							
	OBS	00300	12.55	35.576	26.95		1505.0							
	STD	00400	09.46	35.04	27.09	00.502	1495.0							
	OBS	00400	09.46	35.040	27.09		1495.0							
	OBS	00450	08.65	34.940	27.15		1492.7							
	STD	00500	08.02	34.93	27.24	00.602	1491.1							
	OBS	00500	08.02	34.929	27.24		1491.1							
	OBS	00530	07.34	34.810	27.24		1488.8							
	OBS	00580	06.80	34.850	27.35		1487.6							
	OBS	00590	06.77	34.935	27.42		1487.8							
	STD	00600	06.61	34.93	27.44	00.686	1487.3							
	OBS	00600	06.61	34.930	27.44		1487.3							
	OBS	00625	06.24	34.910	27.47		1486.2							
	OBS	00650	05.92	34.938	27.53		1485.4							
	STD	00700	05.67	34.95	27.58	00.753	1485.2							
	OBS	00700	05.67	34.955	27.58		1485.2							
	STD	00800	05.13	34.94	27.64	00.812	1484.7							
	OBS	00800	05.13	34.943	27.64		1484.7							
	STD	00900	04.83	34.95	27.68	00.867	1485.1							
	OBS	00900	04.83	34.948	27.68		1485.1							
	STD	01000	04.55	34.95	27.71	00.918	1485.6							
	OBS	01000	04.55	34.949	27.71		1485.6							
	STD	01100	04.39	34.95	27.72	00.968	1486.6							
	OBS	01100	04.39	34.948	27.72		1486.6							
	STD	01200	04.26	34.93	27.73	01.018	1487.7							
	OBS	01200	04.26	34.935	27.73		1487.7							
	STD	01300	04.12	34.92	27.73	01.068	1488.8							
	OBS	01300	04.12	34.921	27.73		1488.8							
	STD	01400	04.02	34.91	27.73	01.118	1490.1							
	OBS	01400	04.02	34.910	27.73		1490.1							
	STD	01500	03.94	34.92	27.75	01.168	1491.4							
	OBS	01500	03.94	34.920	27.75		1491.4							

TABLE V.—Observed and interpolated oceanographic data for stations taken by USCGC ANDRO-SCOGGIN at Ocean Station DELTA, 25 November–15 December 1968, prepared from NODC listing No. 31–8074 AI.—Continued

REFID 31 8074	YEAR 1968	BOTOP 04618	AIR TEMP 13.9	DIR MGT PER	WIND-DIR 27	INST STO RECORDER	TEN SQ 1306
CONSEC 0002	MONTH 11	SHIP AI	WET BULB 12.2	21 6 7	WIND-SPD 25	TRACE DIR D	5 SQUARE 1
LAT 44 00 N	DAY 27	DATA USE 1	BAROMETR 1007.8	SEA	WIND-FDF	DURATION 00.3	2 SQUARE 40
LONG 041 00 W	HOURL 12.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	CRIG D27 002	1 SQUARE 41

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P24	TOT P	NO2	NO3	S133	PM
12.7	STD	00000	14.26	35.77	26.74	00.000	1506.0							
	OBS	00000	14.26	35.768	26.74		1506.0							
	STD	00010	14.26	35.77	26.74	00.013	1506.1							
	OBS	00010	14.26	35.768	26.74		1506.1							
	STD	00020	14.28	35.77	26.74	00.026	1506.4							
	OBS	00020	14.28	35.768	26.74		1506.4							
	STD	00030	14.28	35.77	26.74	00.033	1506.5							
	OBS	00030	14.28	35.766	26.74		1506.5							
	STD	00050	14.24	35.77	26.75	00.066	1506.7							
	OBS	00050	14.24	35.770	26.75		1506.7							
	STD	00075	14.09	35.75	26.76	00.098	1506.6							
	OBS	00075	14.09	35.747	26.76		1506.6							
	STD	00100	14.12	35.77	26.76	00.131	1507.2							
	OBS	00100	14.12	35.773	26.78		1507.2							
	STD	00125	14.15	35.79	26.78	00.164	1507.7							
	OBS	00125	14.15	35.792	26.78		1507.7							
	STD	00150	14.17	35.80	26.79	00.197	1508.2							
	OBS	00150	14.17	35.799	26.79		1508.2							
	STD	00200	13.45	35.71	26.87	00.261	1506.5							
	OBS	00200	13.45	35.710	26.67		1506.5							
	STD	00250	12.74	35.59	26.92	00.322	1504.8							
	OBS	00250	12.74	35.592	26.92		1504.8							
	STD	00300	12.33	35.56	26.98	00.362	1504.2							
	OBS	00300	12.33	35.564	26.98		1504.2							
	STD	00400	10.12	35.18	27.09	00.493	1497.6							
	OBS	00400	10.12	35.180	27.09		1497.6							
	STD	00500	07.94	34.97	27.26	00.591	1490.9							
	OBS	00500	07.94	34.970	27.26		1490.9							
	STD	00600	07.07	34.97	27.41	00.675	1489.2							
	OBS	00600	07.07	34.973	27.41		1489.2							
	STD	00700	05.84	34.94	27.55	00.746	1485.9							
	OBS	00700	05.84	34.940	27.55		1485.9							
	STD	00800	05.33	34.97	27.63	00.807	1485.5							
	OBS	00800	05.33	34.97	27.63		1485.5							
	STD	00900	04.93	34.96	27.67	00.862	1485.5							
	OBS	00900	04.93	34.960	27.67		1485.5							
	STD	01000	04.57	34.96	27.71	00.914	1485.7							
	OBS	01000	04.57	34.956	27.71		1485.7							
	STD	01100	04.41	34.94	27.72	00.964	1486.7							
	OBS	01100	04.41	34.942	27.72		1486.7							
	STD	01200	04.21	34.93	27.75	01.014	1487.5							
	OBS	01200	04.21	34.931	27.73		1487.5							
	STD	01300	04.04	34.92	27.74	01.063	1488.5							
	OBS	01300	04.04	34.920	27.74		1488.5							
	STD	01400	03.94	34.91	27.74	01.112	1489.7							
	OBS	01400	03.94	34.913	27.74		1489.7							
	STD	01500	03.88	34.91	27.75	01.161	1491.2							
	OBS	01500	03.88	34.913	27.75		1491.2							

TABLE V.—Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station DELTA, 25 November–15 December 1968, prepared from NODC listing No. 31-8074 AI.—Continued

REFID 31 8074	YEAR 1968	BCTOP 04663	AIR TEMP 09.5	DIR HGT PER	WIND-DIR 23	INST STD RECNOER	TEN SQ 1306
CONSEC 0003	MDNTH 12	SHIP AI	WET BULB 07.2	31 2 6	WIND-SPD 12	TRAC: DIR 0	5 SQUARE 1
LAT 43 59 N	DAY 05	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FDR	OURATION 00.4	2 SQUARE 20
LDNG 041 10 W	HDUR 18.0	AREA 05	CLOUO T/A	CL/TR	WEATHER X2	CRIG D27 G03	1 SQUARE 31

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TDT P	NO2	NO3	SIO3	PH
18.0	STD	00000	12.93	35.48	26.80	00.000	1501.2							
	OBS	00000	12.93	35.480	26.80		1501.2							
	STD	00010	12.93	35.48	26.80	00.012	1501.4							
	OBS	00010	12.93	35.484	26.80		1501.4							
	STD	00020	12.94	35.49	26.80	00.025	1501.6							
	OBS	00020	12.94	35.486	26.80		1501.6							
	STD	00030	12.94	35.49	26.80	00.037	1501.8							
	OBS	00030	12.94	35.486	26.80		1501.8							
	STD	00050	12.94	35.49	26.80	00.063	1502.1							
	OBS	00050	12.94	35.486	26.80		1502.1							
	STD	00075	12.94	35.49	26.80	00.095	1502.5							
	OBS	00075	12.94	35.488	26.80		1502.5							
	STD	00100	12.94	35.49	26.80	00.127	1502.9							
	OBS	00100	12.94	35.488	26.80		1502.9							
	STD	00125	12.96	35.49	26.80	00.159	1503.4							
	OBS	00125	12.96	35.494	26.80		1503.4							
	STD	00150	12.97	35.50	26.81	00.191	1503.9							
	OBS	00150	12.97	35.503	26.81		1503.9							
	STD	00200	12.83	35.56	26.88	00.254	1504.3							
	OBS	00200	12.83	35.564	26.88		1504.3							
	STD	00250	11.88	35.35	26.90	00.316	1501.6							
	OBS	00250	11.88	35.350	26.90		1501.6							
	STD	00300	09.25	34.95	27.06	00.373	1492.5							
	OBS	00300	09.25	34.951	27.06		1492.5							
	OBS	00330	09.96	35.230	27.16		1496.0							
	OBS	00340	09.96	35.210	27.14		1496.1							
	OBS	00350	09.12	35.081	27.18		1495.0							
	STD	00400	08.58	34.96	27.17	00.476	1491.6							
	OBS	00400	08.58	34.961	27.17		1491.6							
	STD	00500	06.83	34.88	27.37	00.564	1486.4							
	OBS	00500	06.83	34.876	27.37		1486.4							
	STD	00600	06.03	34.94	27.52	00.637	1485.0							
	OBS	00600	06.03	34.938	27.52		1485.0							
	STD	00700	05.53	34.97	27.61	00.699	1484.7							
	OBS	00700	05.53	34.970	27.61		1484.7							
	STD	00800	05.07	34.97	27.66	00.755	1484.5							
	OBS	00800	05.07	34.969	27.66		1484.5							
	STD	00900	04.70	34.96	27.70	00.807	1484.6							
	OBS	00900	04.70	34.963	27.70		1484.6							
	STD	01000	04.53	34.95	27.71	00.857	1485.6							
	OBS	01000	04.53	34.954	27.71		1485.6							
	STD	01100	04.33	34.93	27.72	00.907	1486.4							
	OBS	01100	04.33	34.935	27.72		1486.4							
	STD	01200	04.14	34.93	27.74	00.956	1487.2							
	OBS	01200	04.14	34.935	27.74		1487.2							
	STD	01300	03.99	34.93	27.75	01.004	1486.3							
	OBS	01300	03.99	34.930	27.75		1486.3							
	STD	01400	03.93	34.92	27.75	01.052	1489.7							
	OBS	01400	03.93	34.920	27.75		1489.7							
	STD	01500	03.77	34.92	27.77	01.100	1490.7							
	OBS	01500	03.77	34.918	27.77		1490.7							

TABLE V.—Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station DELTA, 25 November–15 December 1968, prepared from NODC listing No. 31-8074 AI.—Continued

REFID 31 8074	YEAR 1968	BOTDP 04663	AIR TEMP 15.0	DIF HGT PER	WIND-DIP 28	INST STO RECORDER	TEN SQ 1306
CONSEC 0004	MONTH 12	SHIP 41	WET BULB 15.0	25 4 0	WIND-SFD 18	TRACE DIR / 0	5 SQUARE 1
LAT 44 C2 N	DAY 06	DATA USE 1	BAROMETP 1007.0	SEA	WIND-FDP	DURATION 00.4	2 SQUARE 40
LONG 041 00 W	HOUR 12.0	AREA 05	CLDUD T/A	CL/TF	WEATHER X1	GRIG D27 004	1 SQUARE 41

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	STD	00000	15.39	35.97	26.65	00.000	1509.8							
	OBS	00000	15.39	35.974	26.65		1509.8							
	STD	00010	15.36	35.97	26.66	00.013	1509.9							
	OBS	00010	15.36	35.974	26.66		1509.9							
	STD	00020	15.34	35.97	26.66	00.027	1510.0							
	OBS	00020	15.34	35.973	26.66		1510.0							
	STD	00030	15.34	35.97	26.66	00.041	1510.1							
	OBS	00030	15.34	35.972	26.66		1510.1							
	STD	00050	14.82	35.90	26.72	00.069	1508.7							
	OBS	00050	14.82	35.898	26.72		1508.7							
	STD	00075	14.46	35.88	26.79	00.102	1508.0							
	OBS	00075	14.46	35.880	26.79		1508.0							
	STD	00100	14.30	35.87	26.81	00.134	1507.9							
	OBS	00100	14.30	35.867	26.81		1507.9							
	STD	00125	14.24	35.87	26.82	00.166	1508.1							
	OBS	00125	14.24	35.868	26.82		1508.1							
	STD	00150	14.12	35.87	26.85	00.197	1508.1							
	OBS	00150	14.12	35.868	26.85		1508.1							
	STD	00200	13.94	35.80	26.83	00.261	1508.2							
	OBS	00200	13.94	35.798	26.83		1508.2							
	STD	00250	13.98	35.82	26.84	00.325	1509.2							
	OBS	00250	13.98	35.820	26.84		1509.2							
	STD	00300	13.64	35.74	26.85	00.390	1508.8							
	OBS	00300	13.64	35.740	26.85		1508.8							
	OBS	00350	12.59	35.585	26.95		1506.0							
	STD	00400	12.14	35.53	26.95	00.513	1505.2							
	OBS	00400	12.14	35.532	26.99		1505.2							
	OBS	00450	10.94	35.315	27.05		1501.5							
	STD	00500	09.52	35.09	27.13	00.625	1497.0							
	OBS	00500	09.52	35.095	27.13		1497.0							
	OBS	00520	08.47	34.995	27.22		1493.2							
	OBS	00540	09.02	35.100	27.210									
	STD	00600	07.99	35.01	27.30	00.722	1492.8							
	OBS	00600	07.99	35.008	27.30		1492.8							
	STD	00700	06.66	34.99	27.48	00.802	1489.2							
	OBS	00700	06.66	34.990	27.48		1489.2							
	STD	00800	05.76	34.99	27.55	00.869	1487.3							
	OBS	00800	05.76	34.988	27.55		1487.3							
	STD	00900	05.29	34.97	27.64	00.928	1487.0							
	OBS	00900	05.29	34.968	27.64		1487.0							
	STD	01000	04.81	34.96	27.65	00.983	1486.7							
	OBS	01000	04.81	34.965	27.69		1486.7							
	STD	01100	04.59	34.95	27.70	01.036	1487.5							
	OBS	01100	04.59	34.946	27.70		1487.5							
	STD	01200	04.36	34.94	27.73	01.087	1488.2							
	OBS	01200	04.36	34.945	27.73		1488.2							
	STD	01300	04.18	34.91	27.72	01.138	1489.1							
	OBS	01300	04.18	34.912	27.72		1489.1							
	STD	01400	04.04	34.93	27.75	01.188	1490.2							
	OBS	01400	04.04	34.931	27.75		1490.2							
	STD	01500	03.82	34.92	27.77	01.237	1490.9							
	OBS	01500	03.82	34.924	27.77		1490.9							

TABLE V.—Observed and interpolated oceanographic data for stations taken by USCGC ANDRO-SCOGGIN at Ocean Station DELTA, 25 November–15 December 1968, prepared from NODC listing No. 31-8074 AI.—Continued

REFID 31 8074 YEAR 1968 BOTDP 04663 AIR TEMP 13.5 OIR MGT PER WIND-OIR 25 INST STO RECORDER TEN 50 1306
 CONSEC 0005 MONTH 12 SHIP A1 WET BULB 13.3 25 3 6 WIND-SPD 15 TRACE OIR 0 5 SQUARE 1
 LAT 44 18 N DAY 06 DATA USE 1 BAROMETR 1008.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 40
 LONG 041 02 W HOUR 18.0 AREA 05 CLCUD T/4 CL/TP WEATHER XI ORIG 027 005 1 SQUARE 41

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	XYG	PO4	TOT P	NO2	NO3	SIC3	PH
18.0	STO	00000	14.87	35.93	26.73	00.000	1508.1							
	0BS	00000	14.87	35.929	26.73		1508.1							
	STO	00010	14.88	35.93	26.73	00.013	1508.3							
	0BS	00010	14.88	35.930	26.73		1508.3							
	STO	00020	14.88	35.93	26.73	00.026	1508.5							
	0BS	00020	14.88	35.930	26.73		1508.5							
	STO	00030	14.88	35.93	26.73	00.039	1508.6							
	0BS	00030	14.88	35.930	26.73		1508.6							
	STO	00050	14.88	35.93	26.73	00.066	1509.0							
	0BS	00050	14.88	35.932	26.73		1509.0							
	STO	00075	14.94	35.97	26.75	00.099	1509.6							
	0BS	00075	14.94	35.974	26.75		1509.6							
	STO	00100	15.01	36.01	26.76	00.132	1510.3							
	0BS	00100	15.01	36.009	26.76		1510.3							
	STO	00125	14.88	36.00	26.79	00.165	1510.3							
	0BS	00125	14.88	36.001	26.79		1510.3							
	STO	00150	14.62	35.96	26.81	00.198	1509.8							
	0BS	00150	14.62	35.959	26.81		1509.8							
	STO	00200	14.23	35.85	26.81	00.262	1509.3							
	0BS	00200	14.23	35.850	26.81		1509.3							
	STO	00250	13.84	35.79	26.85	00.327	1508.7							
	0BS	00250	13.84	35.790	26.85		1508.7							
	STO	00300	13.39	35.71	26.88	00.391	1508.0							
	0BS	00300	13.39	35.712	26.88		1508.0							
	STO	00400	12.24	35.56	26.99	00.513	1505.6							
	0BS	00400	12.24	35.557	26.99		1505.6							
	STO	00500	10.12	35.25	27.15	00.624	1499.4							
	0BS	00500	10.12	35.250	27.15		1499.4							
	STO	00600	07.74	34.96	27.30	00.720	1491.7							
	0BS	00600	07.74	34.960	27.30		1491.7							
	STO	00630	07.54	35.050	27.40		1491.6							
	0BS	00630	07.54	35.050	27.40		1491.6							
	STO	00660	07.62	35.070	27.41		1492.4							
	0BS	00660	07.62	35.070	27.41		1492.4							
	STO	00700	07.03	35.04	27.47	00.801	1490.7							
	0BS	00700	07.03	35.040	27.47		1490.7							
	STO	00800	05.94	34.97	27.56	00.871	1488.0							
	0BS	00800	05.94	34.967	27.56		1488.0							
	STO	00900	05.16	34.96	27.65	00.932	1486.5							
	0BS	00900	05.16	34.961	27.65		1486.5							
	STO	01000	04.61	34.93	27.69	00.986	1485.9							
	0BS	01000	04.61	34.933	27.69		1485.9							
	STO	01100	04.33	34.92	27.71	01.038	1486.3							
	0BS	01100	04.33	34.920	27.71		1486.3							
	STO	01200	04.25	34.93	27.72	01.068	1487.7							
	0BS	01200	04.25	34.929	27.72		1487.7							
	STO	01300	04.10	34.92	27.73	01.138	1488.7							
	0BS	01300	04.10	34.921	27.73		1488.7							
	STO	01400	03.86	34.91	27.75	01.187	1489.4							
	0BS	01400	03.86	34.915	27.75		1489.4							
	STO	01500	03.82	34.91	27.76	01.235	1490.9							
	0BS	01500	03.82	34.911	27.76		1490.9							

TABLE V.—Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station DELTA, 25 November–15 December 1968, prepared from NODC listing No. 31-8074 AI.—Continued

REFID 31 8074 YEAR 1968 BCTOP 04663 AIR TEMP 15.0 OIR HGT Per WIND-OIR 21 INST STO RECORDER TEN SQ 1306
 CONSEC 0006 MONTH 12 SHIP AI WET BULB 15.0 23 3 5 WIND-SPD 25 TRACE DIR 0 5 SQUARE 1
 LAT 44 03 N OAY 07 DATA USE 1 BAROMETR 1014.0 SEA WIND-FDP DURATION 00.2 2 SQUARE 40
 LONG 040 51 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 027 006 1 SQUARE 40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SNO VEL	OXYG	P34	TCT P	NO2	NO3	SIO3	PH
12.0	STO	00000	14.22	35.84	26.81	00.000	1505.9							
	OBS	00000	14.22	35.842	26.81		1505.9							
	STO	00010	14.22	35.84	26.81	00.012	1506.1							
	OBS	00010	14.22	35.841	26.81		1506.1							
	STO	00020	14.22	35.84	26.81	00.025	1506.3							
	OBS	00020	14.22	35.842	26.81		1506.3							
	STO	00030	14.19	35.84	26.81	00.037	1506.3							
	OBS	00030	14.19	35.842	26.81		1506.3							
	STO	00050	14.15	35.84	26.82	00.062	1506.5							
	OBS	00050	14.15	35.840	26.82		1506.5							
	STO	00075	14.12	35.83	26.82	00.094	1506.8							
	OBS	00075	14.12	35.835	26.82		1506.8							
	STO	00100	14.06	35.84	26.84	00.125	1507.1							
	OBS	00100	14.06	35.840	26.84		1507.1							
	STO	00125	14.04	35.85	26.85	00.156	1507.4							
	OBS	00125	14.04	35.850	26.85		1507.4							
	STO	00150	14.04	35.85	26.85	00.187	1507.8							
	OBS	00150	14.04	35.852	26.85		1507.8							
	STO	00200	14.04	35.84	26.85	00.250	1508.6							
	OBS	00200	14.04	35.845	26.85		1508.6							
	STO	00250	13.11	35.66	26.90	00.313	1506.2							
	OBS	00250	13.11	35.662	26.90		1506.2							
	STO	00300	12.49	35.59	26.97	00.373	1504.8							
	OBS	00300	12.49	35.590	26.97		1504.8							
	STO	00350	11.74	35.480	27.03		1502.9							
	OBS	00350	11.74	35.480	27.03		1502.9							
	STO	00400	10.56	35.27	27.08	00.466	1499.3							
	OBS	00400	10.56	35.266	27.08		1499.3							
	STO	00450	09.39	35.154	27.19		1495.7							
	OBS	00500	08.32	35.05	27.28	00.584	1492.4							
	OBS	00500	08.32	35.050	27.28		1492.4							
	OBS	00550	07.16	34.971	27.39		1488.7							
	STO	00600	06.72	34.95	27.44	00.666	1487.8							
	OBS	00600	06.72	34.952	27.44		1487.8							
	STO	00700	06.02	34.95	27.53	00.736	1486.6							
	OBS	00700	06.02	34.952	27.53		1486.6							
	STO	00800	05.49	34.97	27.61	00.799	1486.2							
	OBS	00800	05.49	34.968	27.61		1486.2							
	STO	00900	05.02	34.96	27.67	00.855	1485.9							
	OBS	00900	05.02	34.964	27.67		1485.9							
	STO	01000	04.80	34.96	27.69	00.909	1486.7							
	OBS	01000	04.80	34.962	27.69		1486.7							
	STO	01100	04.46	34.94	27.71	00.961	1486.9							
	OBS	01100	04.46	34.938	27.71		1486.9							
	STO	01200	04.25	34.94	27.73	01.011	1487.7							
	OBS	01200	04.25	34.936	27.73		1487.7							
	STO	01300	04.11	34.93	27.74	01.061	1488.8							
	OBS	01300	04.11	34.928	27.74		1488.8							
	STO	01400	03.96	34.93	27.75	01.109	1489.6							
	OBS	01400	03.96	34.928	27.75		1489.6							
	STO	01500	03.90	34.92	27.75	01.158	1491.3							
	OBS	01500	03.90	34.920	27.75		1491.3							

TABLE V.—Observed and interpolated oceanographic data for stations taken by USCGC ANDRO-SCOGGIN at Ocean Station DELTA, 25 November–15 December 1968, prepared from NODC listing No. 31-8074 AI.—Continued

REFID	31	8074	YEAR	1968	BOTOP	04572	AIR TEMP	13.3	DIR HGT	PER	WIND-DIR	24	INST STO	RECORDER	TEN	50	1306		
CONSEC		0007	MONTH	12	SHIP	A1	WET BULB	12.8	25	3	5	WIND-SPD	18	TRACE	DIR	D	5	SQUARE	1
LAT	44	14	N	DAY	07	DATA USE	1	BAROMETR	1017.0	SEA	WIND-FDR		DURATION		00.2	2	SQUARE	40	
LONG	041	05	W	HOOR	18.0	AREA	05	CLOUD T/A		CL/TP	WEATHER	X1	ORIG	D27	007	1	SQUARE	41	

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TDT P	N02	N03	S103	PH
	STD	00000	15.16											
18.0	OBS	00000	15.16											
	STD	00010	15.16											
	OBS	00010	15.16											
	STD	00020	15.06											
	OBS	00020	15.06											
	STD	00030	14.94											
	OBS	00030	14.94											
	STD	00050	14.76											
	OBS	00050	14.76											
	STD	00075	14.76											
	OBS	00075	14.76											
	STD	00100	14.52											
	OBS	00100	14.52											
	STD	00125	14.29											
	OBS	00125	14.29											
	STD	00150	14.10											
	OBS	00150	14.10											
	STD	00200	14.00											
	OBS	00200	14.00											
	STD	00250	13.96											
	OBS	00250	13.96											
	OBS	00270	13.20											
	STD	00300	12.84											
	OBS	00300	12.84											
	STD	00400	11.32											
	OBS	00400	11.32											
	OBS	00450	10.34											
	STD	00500	09.16											
	OBS	00500	09.16											
	STD	00600	07.64											
	OBS	00600	07.64											
	STD	00700	06.39											
	OBS	00700	06.39											
	STD	00800	05.68											
	OBS	00800	05.68											
	STD	00900	05.26											
	OBS	00900	05.26											
	STD	01000	04.84											
	OBS	01000	04.84											
	STD	01100	04.55											
	OBS	01100	04.55											
	STD	01200	04.38											
	OBS	01200	04.38											
	STD	01300	04.15											
	OBS	01300	04.15											
	STD	01400	04.08											
	OBS	01400	04.08											
	STD	01500	04.00											
	OBS	01500	04.00											

TABLE V.—Observed and interpolated oceanographic data for stations taken by USCGC ANDRO-SCOGGIN at Ocean Station DELTA, 25 November–15 December 1968, prepared from NODC listing No. 31–8074 AI.—Continued

REFID 31 8074	YEAR 1968	BOTOP 04663	AIR TEMP 13.3	DIR HGT PER	WIND-DIR 27	INST STO RECORDER	TEN 50 1306
CONSEC 0008	MONTH 12	SHIP AI	WET BULB 12.2	25 2 5	WIND-SPO 25	TRACE DIR D	5 SQUARE 1
LAT 44 06 N	DAY 08	DATA USE 1	BAROMETR 1023.C	SEA	WIND-FDP	DURATION 00.4	2 SQUARE 40
LONG 040 52 W	HOUR 12.0	AREA 05	CLCUD T/A	CL/TR	WEATHER X1	ORIG D27 008	1 SQUARE 40

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYN DPTH	SND VEL	DXYG	PQ4	TOT P	NO2	NO3	S1O3	PH
12.0	STD	00000	14.32	35.90	26.83	00.000	1506.3							
	08S	00000	14.32	35.899	26.83		1506.3							
	STD	00010	14.32	35.90	26.83	00.012	1506.5							
	08S	00010	14.32	35.900	26.83		1506.5							
	STD	00020	14.32	35.90	26.83	00.024	1506.7							
	08S	00020	14.32	35.901	26.83		1506.7							
	STD	00030	14.32	35.90	26.83	00.036	1506.8							
	08S	00030	14.32	35.902	26.83		1506.8							
	STD	00050	14.28	35.89	26.83	00.061	1507.0							
	08S	00050	14.28	35.890	26.83		1507.0							
	STD	00075	14.23	35.89	26.84	00.092	1507.3							
	08S	00075	14.23	35.890	26.84		1507.3							
	STD	00100	14.22	35.89	26.84	00.123	1507.6							
	08S	00100	14.22	35.889	26.84		1507.6							
	STD	00125	14.19	35.89	26.85	00.154	1507.9							
	08S	00125	14.19	35.887	26.85		1507.9							
	STD	00150	14.05	35.87	26.87	00.185	1507.9							
	08S	00150	14.05	35.870	26.87		1507.9							
	STD	00200	14.00	35.87	26.88	00.248	1508.5							
	08S	00200	14.00	35.870	26.88		1508.5							
	STD	00250	13.97	35.85	26.87	00.310	1509.2							
	08S	00250	13.97	35.852	26.87		1509.2							
	STD	00300	13.83	35.83	26.88	00.373	1509.6							
	08S	00300	13.83	35.829	26.88		1509.6							
	08S	00340	12.98	35.693	26.95		1507.2							
	08S	00360	12.98	35.708	26.96		1507.6							
	STD	00400	12.20	35.55	27.00	00.495	1505.4							
	08S	00400	12.20	35.554	27.00		1505.4							
	STD	00500	09.84	35.19	27.14	00.606	1498.3							
	08S	00500	09.84	35.186	27.14		1498.3							
	STD	00600	08.48	35.10	27.30	00.703	1494.7							
	08S	00600	08.48	35.057	27.30		1494.7							
	STD	00700	06.78	34.95	27.43	00.766	1489.7							
	08S	00700	06.78	34.954	27.43		1489.7							
	STD	00800	05.72	34.96	27.58	00.850	1487.1							
	08S	00800	05.72	34.962	27.58		1487.1							
	STD	00900	05.22	34.97	27.65	00.915	1486.7							
	08S	00900	05.22	34.975	27.65		1486.7							
	STD	01000	04.92	34.97	27.68	00.970	1487.2							
	08S	01000	04.92	34.969	27.68		1487.2							
	STD	01100	04.65	34.95	27.70	01.023	1487.7							
	08S	01100	04.65	34.950	27.70		1487.7							
	STD	01200	04.37	34.95	27.73	01.075	1488.2							
	08S	01200	04.37	34.949	27.73		1488.2							
	STD	01300	04.18	34.94	27.74	01.125	1489.1							
	08S	01300	04.18	34.940	27.74		1489.1							
	STD	01400	04.12	34.94	27.75	01.174	1490.5							
	08S	01400	04.12	34.939	27.75		1490.5							
	STD	01500	03.93	34.92	27.75	01.223	1491.4							
	08S	01500	03.93	34.923	27.75		1491.4							

TABLE V.—Observed and interpolated oceanographic data for stations taken by USCGC ANDRO-SCOGGIN at Ocean Station DELTA, 25 November–15 December 1968, prepared from NODC listing No. 31-8074 AI.—Continued

REFID	31	8074	YEAR	1968	BOTOP	04663	AIP TEMP	12.8	OIP HGT	PEA	WIND-DIR	21	INST STO RECORDER	TEN SQ	1306
CONSEC		0009	MONTH	12	SHIP	AI	WET BULB	10.6		24 4 6	WIND-SPD	10	TRACE DIR	0	5 SQUARE 1
LAT	44	06 N	DAY	08	DATA USE	1	BAROMETR	1023.0	SEA		WIND-FOR		DURATION	00.4	2 SQUARE 40
LONG	041	03 W	HOURL	18.0	AREA	05	CLCUO T/A		CL/TR		WEATHER	X1	ORIG	027 009	1 SQUARE 41

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
18.0	STD	00000	14.39											
	OBS	00000	14.39											
	STD	00010	14.37											
	OBS	00010	14.37											
	STD	00020	14.33											
	OBS	00020	14.33											
	STD	00030	14.32											
	OBS	00030	14.32											
	STD	00050	14.32											
	OBS	00050	14.32											
	STD	00075	14.24											
	OBS	00075	14.24											
	STD	00100	14.13											
	OBS	00100	14.13											
	STD	00125	13.94											
	OBS	00125	13.94											
	STD	00150	13.42											
	OBS	00150	13.42											
	STD	00200	12.96											
	OBS	00200	12.96											
	STD	00250	12.56											
	OBS	00250	12.56											
	STD	00300	11.98											
	OBS	00300	11.98											
	STD	00400	10.36											
	OBS	00400	10.36											
	OBS	00450	09.16											
	STD	00500	08.38											
	OBS	00500	08.38											
	OBS	00550	07.64											
	STD	00600	06.84											
	OBS	00600	06.84											
	STD	00700	05.79											
	OBS	00700	05.79											
	STD	00800	05.52											
	OBS	00800	05.52											
	STD	00900	05.09											
	OBS	00900	05.09											
	STD	01000	04.68											
	OBS	01000	04.68											
	STD	01100	04.46											
	OBS	01100	04.46											
	STD	01200	04.33											
	OBS	01200	04.33											
	STD	01300	04.09											
	OBS	01300	04.09											
	STD	01400	04.03											
	OBS	01400	04.03											
	STD	01500	03.99											
	OBS	01500	03.99											

TABLE V.—Observed and interpolated oceanographic data for stations taken by USCGC ANDRO-SCOGGIN at Ocean Station DELTA, 25 November–15 December 1968, prepared from NODC listing No. 31-8074 AI.—Continued

REFID 31 8074	YEAR 1968	BOTOP 04709	AIR TEMP 15.6	OIP HGT PER	WIND-OIP 18	INST STO	FECGROER	TEN SQ 1306
CONSEC 001C	MONTH 12	5HIP A1	WET BULB 15.6	21 4 6	WIND-SFC 30	TRACE DR	0	5 SQUARE 1
LAT 44 12 N	DAY 09	DATA USE 1	BAROMETR 1012.0	SEA	WIND-FDR	OUPATION	00.4	2 SQUARE 40
LONG 041 02 W	MOUR 12.0	AREA 05	CLCUD T/A	CL/TF	WEATHER X2	CRIG 027 C1C		1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	UXYG	PJ4	TGT P	NO2	NO3	S103	PH
12.0	STO	00000	14.04	35.87	26.87	00.000	1505.4							
	OBS	00000	14.04	35.866	26.87		1505.4							
	STO	00010	14.04	35.87	26.87	00.012	1505.5							
	OBS	00010	14.04	35.868	26.87		1505.5							
	STO	00020	14.04	35.87	26.87	00.023	1505.7							
	OBS	00020	14.04	35.868	26.87		1505.7							
	STO	00030	14.04	35.87	26.87	00.036	1505.9							
	OBS	00030	14.04	35.868	26.87		1505.9							
	STO	00050	14.04	35.87	26.87	00.060	1506.2							
	OBS	00050	14.04	35.868	26.87		1506.2							
	STO	00075	14.04	35.87	26.87	00.090	1506.6							
	OBS	00075	14.04	35.868	26.87		1506.6							
	STO	00100	14.04	35.87	26.87	00.120	1507.0							
	OBS	00100	14.04	35.868	26.87		1507.0							
	STO	00125	14.04	35.87	26.87	00.151	1507.4							
	OBS	00125	14.04	35.868	26.87		1507.4							
	STO	00150	14.04	35.87	26.87	00.184	1507.8							
	OBS	00150	14.04	35.868	26.87		1507.8							
	STO	00200	14.04	35.87	26.87	00.244	1508.7							
	OBS	00200	14.04	35.868	26.87		1508.7							
	STO	00250	12.54	35.74	27.06	00.302	1504.3							
	OBS	00250	12.54	35.740	27.06		1504.3							
	STO	00300	11.99	35.61	27.09	00.355	1503.1							
	OBS	00300	11.99	35.615	27.09		1503.1							
	STO	00350	10.52	35.508	27.32		1498.7							
	OBS	00350	10.52	35.508	27.32		1498.7							
	STO	00400	09.72	35.47	27.38	00.448	1496.5							
	OBS	00400	09.72	35.468	27.38		1496.5							
	STO	00450	08.74	35.310	27.42		1495.5							
	OBS	00450	08.74	35.310	27.42		1495.5							
	STO	00500	08.18	35.18	27.41	00.526	1492.1							
	OBS	00500	08.18	35.178	27.500		1492.1							
	STO	00600	07.24	35.05	27.45	00.602	1489.9							
	OBS	00600	07.24	35.05	27.45		1489.9							
	STO	00700	06.54	34.99	27.50	00.674	1488.8							
	OBS	00700	06.54	34.992	27.50		1488.8							
	STO	00800	05.82	35.00	27.60	00.740	1487.6							
	OBS	00800	05.82	34.998	27.60		1487.6							
	STO	00900	05.29	34.99	27.65	00.799	1487.1							
	OBS	00900	05.29	34.989	27.65		1487.1							
	STO	01000	04.94	34.97	27.68	00.854	1487.3							
	OBS	01000	04.94	34.972	27.68		1487.3							
	STO	01100	04.52	34.95	27.71	00.906	1487.2							
	OBS	01100	04.52	34.950	27.71		1487.2							
	STO	01200	04.26	34.95	27.74	00.956	1487.8							
	OBS	01200	04.26	34.948	27.74		1487.8							
	STO	01300	04.14	34.93	27.74	01.005	1488.9							
	OBS	01300	04.14	34.931	27.74		1488.9							
	STO	01400	04.02	34.93	27.75	01.055	1490.1							
	OBS	01400	04.02	34.926	27.75		1490.1							
	STO	01500	03.94	34.92	27.75	01.104	1491.4							
	OBS	01500	03.94	34.925	27.75		1491.4							

TABLE V.—Observed and interpolated oceanographic data for stations taken by USCGC ANDRO-SCOGGIN at Ocean Station DELTA, 25 November–15 December 1968, prepared from NODC listing No. 31-8074 AI.—Continued

REFID 31 8074	YEAR 1968	BOTOP 04755	AIR TEMP 12.2	DIR HGT PER	WIND-OIR 23	INST STO RECORDER	TEN 50 1306
CONSEC 0011	MONTH 12	SHIP AI	WET BULB 10.0	24 4 6	WIND-SPO 10	TRACE OIR 0	5 SQUARE 1
LAT 43 58 N	DAY 10	DATA USE 1	BAROMETR 1009.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 20
LGNG 041 06 W	HOOR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 027 011	1 SQUARE 31

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDRPH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
12.0	STD	00000	12.66	35.40	26.79	00.000	1500.2							
	OBS	00000	12.66	35.401	26.79		1500.2							
	STD	00010	12.66	35.40	26.79	00.012	1500.4							
	OBS	00010	12.66	35.403	26.79		1500.4							
	STD	00020	12.68	35.42	26.80	00.025	1500.6							
	OBS	00020	12.68	35.421	26.80		1500.6							
	STD	00030	12.74	35.43	26.80	00.036	1501.0							
	OBS	00030	12.74	35.431	26.80		1501.0							
	OBS	00040	13.44	35.679	26.85		1503.8							
	STD	00050	13.44	35.68	26.85	00.062	1504.0							
	OBS	00050	13.44	35.681	26.85		1504.0							
	STD	00075	13.42	35.67	26.84	00.093	1504.3							
	OBS	00075	13.42	35.669	26.84		1504.3							
	STD	00100	13.40	35.66	26.84	00.124	1504.7							
	OBS	00100	13.40	35.664	26.84		1504.7							
	STD	00125	13.38	35.66	26.84	00.155	1505.0							
	OBS	00125	13.38	35.661	26.84		1505.0							
	STD	00150	13.36	35.66	26.85	00.187	1505.4							
	OBS	00150	13.36	35.661	26.85		1505.4							
	OBS	00190	13.34	35.664	26.86		1505.9							
	STD	00200	12.96	35.60	26.88	00.249	1504.8							
	OBS	00200	12.96	35.599	26.88		1504.8							
	OBS	00225	11.23	35.289	26.98		1498.6							
	OBS	00240	11.14	35.329	27.02		1496.8							
	STD	00250	11.93	35.58	27.07	00.306	1502.1							
	OBS	00250	11.93	35.579	27.07		1502.1							
	STD	00300	11.44	35.47	27.08	00.360	1501.0							
	OBS	00300	11.44	35.469	27.08		1501.0							
	STD	00400	09.19	35.18	27.25	00.459	1494.2							
	OBS	00400	09.19	35.179	27.25		1494.2							
	STD	00500	07.56	35.02	27.37	00.544	1489.5							
	OBS	00500	07.56	35.019	27.37		1489.5							
	OBS	00525	06.84	34.969	27.44		1487.0							
	STD	00600	06.29	34.97	27.52	00.618	1486.1							
	OBS	00600	06.29	34.975	27.52		1486.1							
	STD	00700	05.72	34.99	27.61	00.680	1485.5							
	OBS	00700	05.72	34.995	27.61		1485.5							
	STD	00800	05.34	35.00	27.66	00.737	1485.6							
	OBS	00800	05.34	34.995	27.66		1485.6							
	STD	00900	04.92	35.00	27.71	00.790	1485.6							
	OBS	00900	04.92	34.999	27.71		1485.6							
	STD	01000	04.52	34.97	27.73	00.839	1485.5							
	OBS	01000	04.52	34.969	27.73		1485.5							
	STD	01100	04.36	34.99	27.76	00.887	1486.6							
	OBS	01100	04.36	34.987	27.76		1486.6							
	STD	01200	04.18	34.99	27.78	00.932	1487.5							
	OBS	01200	04.18	34.991	27.78		1487.5							
	STD	01300	04.04	34.98	27.79	00.977	1488.6							
	OBS	01300	04.04	34.977	27.79		1488.6							
	STD	01400	03.94	34.97	27.79	01.022	1489.8							
	OBS	01400	03.94	34.974	27.79		1489.8							
	OBS	01470	03.92	34.971	27.79		1490.9							
	STD	01500	03.92											
	OBS	01500	03.92											

TABLE V.—Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station DELTA, 25 November–15 December 1968, prepared from NODC listing No. 31-8074 AI.—Continued

REFID 31 8074 YEAR 1968 BOTOP 04709 AIR TEMP 11.7 OIR HGT PER WIND-OIR 23 INST STO RECORDER TEN SQ 1306
 CONSEC 0012 MONTH 12 SHIP A1 WET BULB 09.4 22 5 0 WIND-SPO 07 TRACE OIR 0 5 SQUARE 1
 LAT 43 57 N DAY 10 DATA USE 1 BAROMETR 1010.0 SEA WIND-FUR QUANTION 00.6 2 SQUARE 20
 LONG 041 14 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 027 012 1 SQUARE 31

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
18.0	STO	00000	12.76	35.41	26.78	00.000	1500.6							
	OBS	00000	12.76	35.408	26.78		1500.6							
	STO	00010	12.76	35.41	26.78	00.012	1500.7							
	OBS	00010	12.76	35.408	26.78		1500.7							
	STO	00020	12.76	35.42	26.79	00.025	1500.9							
	OBS	00020	12.76	35.425	26.79		1500.9							
	STO	00030	12.78	35.42	26.78	00.038	1501.2							
	OBS	00030	12.78	35.425	26.78		1501.2							
	STO	00050	12.79	35.43	26.78	00.064	1501.5							
	OBS	00050	12.79	35.426	26.78		1501.5							
	STO	00075	13.31	35.61	26.82	00.095	1503.9							
	OBS	00075	13.31	35.606	26.82		1503.9							
	STO	00100	13.32	35.59	26.80	00.127	1504.3							
	OBS	00100	13.32	35.590	26.80		1504.3							
	STO	00125	13.33	35.63	26.83	00.159	1504.8							
	OBS	00125	13.33	35.630	26.83		1504.8							
	STO	00150	13.30	35.63	26.84	00.191	1505.1							
	OBS	00150	13.30	35.632	26.84		1505.1							
	STO	00180	13.26	35.615	26.83		1505.5							
	OBS	00180	13.26	35.615	26.83		1505.5							
	STO	00200	12.62	35.47	26.85	00.254	1503.5							
	OBS	00200	12.62	35.470	26.85		1503.5							
	STO	00210	13.09	35.690	26.93		1505.5							
	OBS	00210	13.09	35.690	26.93		1505.5							
	STO	00240	12.44	35.575	26.97		1503.6							
	OBS	00240	12.44	35.575	26.97		1503.6							
	STO	00250	12.44	35.59	26.98	00.314	1503.8							
	OBS	00250	12.44	35.586	26.98		1503.8							
	STO	00300	11.89	35.52	27.03	00.371	1502.7							
	OBS	00300	11.89	35.520	27.03		1502.7							
	STO	00400	09.99	35.21	27.13	00.478	1497.2							
	OBS	00400	09.99	35.206	27.13		1497.2							
	STO	00500	07.69	34.99	27.33	00.571	1489.9							
	OBS	00500	07.69	34.990	27.33		1489.9							
	STO	00600	06.48	34.95	27.47	00.649	1486.8							
	OBS	00600	06.48	34.950	27.47		1486.8							
	STO	00700	05.74	34.95	27.57	00.716	1485.5							
	OBS	00700	05.74	34.954	27.57		1485.5							
	STO	00800	05.26	34.96	27.64	00.775	1485.2							
	OBS	00800	05.26	34.962	27.64		1485.2							
	STO	00900	04.98	34.97	27.68	00.830	1485.8							
	OBS	00900	04.98	34.970	27.68		1485.8							
	STO	01000	04.58	34.95	27.70	00.882	1485.8							
	OBS	01000	04.58	34.948	27.70		1485.8							
	STO	01100	04.36	34.93	27.72	00.932	1486.5							
	OBS	01100	04.36	34.934	27.72		1486.5							
	STO	01200	04.14	34.93	27.73	00.982	1487.2							
	OBS	01200	04.14	34.926	27.73		1487.2							
	STO	01300	04.10	34.92	27.73	01.031	1488.7							
	OBS	01300	04.10	34.918	27.73		1488.7							
	STO	01400	03.92	34.91	27.75	01.081	1489.7							
	OBS	01400	03.92	34.914	27.75		1489.7							
	STO	01500	03.89	34.91	27.75	01.130	1491.2							
	OBS	01500	03.89	34.914	27.75		1491.2							

TABLE V.—Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station DELTA, 25 November–15 December 1968, prepared from NODC listing No. 31-8074 AI.—Continued

REFID 31 8074	YEAR 1968	BOTDP 04682	AIR TEMP 06.1	DIA HGT PER	WIND-DIR 29	INST STO RECORDER	TEN SQ 1306
CONSEC 0013	MONTH 12	SHIP AI	WET BULB 03.3	32 4 6	WIND-SPD 17	TRACE DIR D	5 SQUARE 1
LAT 43 59 N	DAY 12	DATA USE 1	BAROMETR 1030.0	SEA	WIND-FDP	DURATION 00.3	2 SQUARE 20
LONG 041 03 W	HOOR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	GRIG D27 G13	1 SQUARE 31

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SI03	PH
12.0	STD	00000	13.90											
	OBS	00000	13.90											
	STD	00010	13.90											
	OBS	00010	13.90											
	STD	00020	13.90											
	OBS	00020	13.90											
	STD	00030	13.92											
	OBS	00030	13.92											
	STD	00050	13.92											
	OBS	00050	13.92											
	STD	00075	13.96											
	OBS	00075	13.96											
	STD	00100	14.06											
	OBS	00100	14.06											
	STD	00125	13.96											
	OBS	00125	13.96											
	STD	00150	13.95											
	OBS	00150	13.95											
	STD	00200	13.92											
	OBS	00200	13.92											
	STD	00250	13.36											
	OBS	00250	13.36											
	STD	00300	12.52											
	OBS	00300	12.52											
	STD	00350	11.94											
	OBS	00400	11.13											
	STD	00400	11.13											
	OBS	00440	10.39											
	STD	00500	08.78											
	OBS	00500	08.78											
	STD	00550	08.02											
	OBS	00600	06.94											
	STD	00600	06.94											
	OBS	00700	06.16											
	STD	00700	06.16											
	OBS	00800	05.62											
	STD	00800	05.62											
	OBS	00900	05.04											
	STD	00900	05.04											
	OBS	01000	04.75											
	STD	01000	04.75											
	OBS	01100	04.54											
	STD	01100	04.54											
	OBS	01200	04.32											
	STD	01200	04.32											
	OBS	01300	04.16											
	STD	01300	04.16											
	OBS	01400	04.00											
	STD	01400	04.00											
	OBS	01500	03.93											
	STD	01500	03.93											

TABLE V.—Observed and interpolated oceanographic data for stations taken by USCGC ANDRO-SCOGGIN at Ocean Station DELTA, 25 November–15 December 1968, prepared from NODC listing No. 31-8074 AI.—Continued

REFID	31	8074	YEAR	1968	BOTDP	04663	AIF	TEMP	07.8	DIR	HGT	PER	WIND-DIR	29	INST	STU	FECGROR	TEN	SQ	1306	
CONSEC		0014	MONTH	12	SHIP	A1	WET	BULB	05.6		32	4	6	WIND-SPD	20	TRACE	DIR	0	5	SQUARE	1
LAT	43	58	N	DAY	12	DATA	USE	1	84POMET	1030.0	SEA		WIND-FOR		DUFATION		00.3	2	SQUARE	20	
LONG	041	00	W	HOUR	18.0	AREA	05		CLCUD	T/A	CL/TR		WEATHER	X2	GRIG	027	C14	1	SQUARE	31	

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SIC3	PH
18.0	STO	0000	14.07	35.71	26.74	00.000	1505.3							
	OBS	00000	14.07	35.711	26.74		1505.3							
	STO	00010	14.07	35.72	26.74	00.013	1505.5							
	OBS	00010	14.07	35.716	26.74		1505.5							
	STO	00020	14.08	35.72	26.74	00.026	1505.7							
	OBS	00020	14.08	35.716	26.74		1505.7							
	STO	00030	14.09	35.72	26.74	00.039	1505.9							
	OBS	00030	14.09	35.718	26.74		1505.9							
	STO	00050	14.10	35.72	26.74	00.066	1506.2							
	OBS	00050	14.10	35.724	26.74		1506.2							
	STO	00075	14.17	35.79	26.76	00.098	1506.9							
	OBS	00075	14.17	35.787	26.78		1506.9							
	STO	00100	14.15	35.79	26.76	00.131	1507.3							
	OBS	00100	14.15	35.790	26.78		1507.3							
	STO	00125	14.11	35.85	26.85	00.163	1507.6							
	OBS	00125	14.11	35.846	26.83		1507.6							
	STO	00150	14.04	35.81	26.82	00.195	1507.8							
	OBS	00150	14.04	35.808	26.82		1507.8							
	STO	00200	13.91	35.80	26.84	00.259	1508.2							
	OBS	00200	13.91	35.798	26.84		1508.2							
	STO	00250	13.24	35.65	26.87	00.322	1508.6							
	OBS	00250	13.24	35.652	26.87		1508.6							
	STO	00300	12.70	35.61	26.94	00.384	1508.5							
	OBS	00300	12.70	35.608	26.94		1508.5							
	STO	00400	11.04	35.37	27.07	00.499	1501.1							
	OBS	00400	11.04	35.366	27.07		1501.1							
	STO	00500	09.17	35.14	27.22	00.602	1495.7							
	OBS	00500	09.17	35.141	27.22		1495.7							
	STO	00600	07.58	35.01	27.37	00.691	1491.2							
	OBS	00600	07.58	35.013	27.37		1491.2							
	STO	00700	06.32	34.99	27.52	00.766	1487.9							
	OBS	00700	06.32	34.986	27.52		1487.9							
	STO	00800	05.64	34.99	27.61	00.829	1486.8							
	OBS	00800	05.64	34.989	27.61		1486.8							
	STO	00900	05.28	35.01	27.67	00.886	1487.0							
	OBS	00900	05.28	35.007	27.67		1487.0							
	STO	01000	04.86	34.99	27.70	00.939	1487.0							
	OBS	01000	04.86	34.989	27.70		1487.0							
	STO	01100	04.67	34.99	27.73	00.990	1487.8							
	OBS	01100	04.67	34.989	27.73		1487.8							
	STO	01200	04.43	34.97	27.74	01.040	1488.5							
	OBS	01200	04.43	34.971	27.74		1488.5							
	STO	01300	04.23	34.96	27.76	01.069	1489.3							
	OBS	01300	04.23	34.965	27.76		1489.3							
	STO	01400	04.13	34.98	27.76	01.137	1490.6							
	OBS	01400	04.13	34.958	27.76		1490.6							
	STO	01500	03.99	34.95	27.77	01.185	1491.7							
	OBS	01500	03.99	34.949	27.77		1491.7							

TABLE V.—Observed and interpolated oceanographic data for stations taken by USCGC ANDRO-SCOGGIN at Ocean Station DELTA, 25 November–15 December 1968, prepared from NODC listing No. 31-8074 AI.—Continued

REFID	31	8074	YEAR	1968	BDTOP	04663	AIR TEMP	11.7	OIF HGT PER	WIND-DIR	24	INST STU	RECORDER	TEN SQ	1306
CONSEC	0015		MONTH	12	SHIP AI		WET BULB	08.3	29 3 6	WIND-SPD	27	TRACE DIR		5 SQUARE	1
LAT	44 03 N		DAY	13	DATA USE	1	BAROMETR	1030.0	SEA	WIND-FDR		OUFATION	00.5	2 SQUARE	40
LDNG	040 59 W		HOOR	12.0	AREA	05	CLOUD T/A		CL/TR	WEATHER	X1	ORIG D27 C15		1 SQUARE	40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	DXYG	PD4	TOT P	NO2	NO3	S133	PH
	STD	00000	13.96											
12.0	OBS	00000	13.96											
	STD	00010	13.96											
	OBS	00010	13.96											
	STD	00020	13.96											
	OBS	00020	13.96											
	STD	00030	13.96											
	OBS	00030	13.96											
	STD	00050	14.00											
	OBS	00050	14.00											
	STD	00075	14.07											
	OBS	00075	14.07											
	STD	00100	14.05											
	OBS	00100	14.05											
	STD	00125	14.05											
	OBS	00125	14.05											
	STD	00150	13.96											
	OBS	00150	13.96											
	STD	00200	13.96											
	OBS	00200	13.96											
	STD	00250	13.02											
	OBS	00250	13.02											
	STD	00300	12.53											
	OBS	00300	12.53											
	STD	00400	10.71											
	OBS	00400	10.71											
	STD	00500	08.81											
	OBS	00500	08.81											
	STD	00600	07.07											
	OBS	00600	07.07											
	STD	00700	06.21											
	OBS	00700	06.21											
	STD	00800	05.70											
	OBS	00800	05.70											
	STD	00900	05.08											
	OBS	00900	05.08											
	STD	01000	04.87											
	OBS	01000	04.87											
	STD	01100	04.56											
	OBS	01100	04.56											
	STD	01200	04.40											
	OBS	01200	04.40											
	STD	01300	04.22											
	OBS	01300	04.22											
	STD	01400	04.09											
	OBS	01400	04.09											
	STD	01500	03.94											
	OBS	01500	03.94											

TABLE V.—Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station DELTA, 25 November–15 December 1968, prepared from NODC listing No. 31-8074 AI.—Continued

REFID 31 8074	YEAR 1968	BOTCP 04663	AIR TEMP 11.7	DIA HGT PER	WIND-DIR 27	INST STD FECCORDR	TEN SQ 1306
CONSEC 0016	MONTH 12	SHIP AI	WET BULB 09.4	24 3 6	WIND-SPD 25	TRACE DIR 0	5 SQUARE 1
LAT 44 14 N	DAY 13	DATA USE 1	BAROMETR 1029.0	SEA	WIND-FOR	DURATION , 00.4	2 SQUARE 40
LDNG 041 12 W	HOUR 18.0	AREA 05	CLOUD T/A	CL/T/A	WEATHER X1	CRIG 027 C16	1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	S103	PH
18.0	STD	00000	15.41	35.93	26.62	00.000	1509.8							
	OBS	C0C00	15.41	35.935	26.62		1509.8							
	STD	00010	15.41	35.93	26.62	00.014	1510.0							
	OBS	0001C	15.41	35.931	26.62		1510.0							
	STD	00020	15.41	35.93	26.62	00.028	1510.2							
	OBS	00020	15.41	35.935	26.62		1510.2							
	STD	00030	15.41	35.94	26.62	00.043	1510.3							
	OBS	00030	15.41	35.936	26.62		1510.3							
	STD	00050	15.41	35.95	26.63	00.071	1510.7							
	OBS	C0050	15.41	35.946	26.63		1510.7							
	STD	00075	15.41	35.96	26.64	00.107	1511.1							
	OBS	C0075	15.41	35.957	26.64		1511.1							
	STD	00100	15.50	35.97	26.63	00.143	1511.8							
	OBS	00100	15.50	35.972	26.63		1511.8							
	STD	00125	15.59	36.01	26.63	00.180	1512.5							
	OBS	00125	15.59	36.009	26.63		1512.5							
	STD	00150	15.04	35.98	26.74	00.215	1511.2							
	OBS	C0150	15.04	35.964	26.74		1511.2							
	STD	00200	14.46	35.89	26.80	00.282	1510.0							
	OBS	C0200	14.46	35.893	26.80		1510.0							
	STD	00250	13.97	35.81	26.83	00.347	1509.2							
	OBS	00250	13.97	35.807	26.83		1509.2							
	STD	C0300	13.38	35.69	26.87	00.412	1507.9							
	OBS	00300	13.36	35.689	26.87		1507.9							
	STD	00400	12.03	35.52	27.00	00.554	1504.8							
	OBS	00400	12.03	35.517	27.00		1504.8							
	STD	00500	09.91	35.21	27.15	00.644	1498.5							
	OBS	C0500	09.91	35.215	27.15		1498.5							
	STD	00600	08.14	35.09	27.34	00.738	1493.4							
	OBS	00600	08.14	35.088	27.34		1493.4							
	STD	C0700	06.62	35.00	27.49	00.816	1489.1							
	OBS	00700	06.62	35.001	27.49		1489.1							
	STD	00800	05.74	35.01	27.62	00.881	1487.2							
	OBS	00800	05.74	35.015	27.62		1487.2							
	STD	00900	05.25	34.99	27.66	00.938	1486.9							
	OBS	C0900	05.25	34.994	27.66		1486.9							
	STD	01000	04.94	35.00	27.70	00.992	1487.3							
	OBS	01000	04.94	34.998	27.70		1487.3							
	STD	01100	04.66	34.99	27.73	01.043	1487.8							
	OBS	01100	04.66	34.989	27.73		1487.8							
	STD	C1200	04.42	34.97	27.74	01.092	1486.5							
	OBS	01200	04.42	34.973	27.74		1486.5							
	STD	01300	04.16	34.95	27.75	01.141	1489.0							
	OBS	01300	04.16	34.950	27.75		1489.0							
	STD	01400	04.03	34.95	27.76	01.189	1490.2							
	OBS	01400	04.03	34.947	27.76		1490.2							
	STD	01500	03.93	34.95	27.77	01.237	1491.4							
	OBS	01500	03.93	34.946	27.77		1491.4							

TABLE V.—Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station DELTA, 25 November–15 December 1968, prepared from NODC listing No. 31-8074 AI.—Continued

REFID 31 8074	YEAR 1968	BCTOP 04645	AIP TEMP 14.4	DIR HGT PER	WIND-DIR 27	INST STD FECCRDR	TEN SQ 1306
CONSEC 0017	MONTH 12	SHIP AI	WET BULB 13.3	24 3 5	WIND-SPD 10	TRACE DIR 0	5 SQUARE 1
LAT 44 C4 N	DAY 15	DATA USE 1	BAROMETR 1026.C	SEA	WIND-FDP	DURATION 00.4	2 SQUARE 40
LONG 041 03 W	HRUR 12.0	AREA 05	CLGUD T/A	CL/TR	WEATHER X1	GRIG 027 C17	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	DXYG	PD4	TCT P	ND2	ND3	S103	PH
12.0	STD	00000	13.70	35.51	26.66	00.000	1503.8							
	OBS	00000	13.70	35.514	26.66		1503.8							
	STD	00010	13.74	35.56	26.69	00.013	1504.2							
	OBS	00010	13.74	35.559	26.69		1504.2							
	STD	00020	13.81	35.58	26.70	00.027	1504.6							
	OBS	00020	13.81	35.585	26.70		1504.6							
	STD	00030	14.06	35.69	26.72	00.040	1505.7							
	OBS	00030	14.06	35.688	26.72		1505.7							
	STD	00050	14.15	35.74	26.74	00.067	1506.4							
	OBS	00050	14.15	35.740	26.74		1506.4							
	STD	00075	14.14	35.82	26.81	00.099	1506.9							
	OBS	00075	14.14	35.825	26.81		1506.9							
	STD	00100	14.17	35.82	26.80	00.131	1507.4							
	OBS	00100	14.17	35.820	26.80		1507.4							
	STD	00125	13.95	35.80	26.83	00.163	1507.1							
	OBS	00125	13.95	35.800	26.83		1507.1							
	STD	00150	13.92	35.79	26.84	00.195	1507.4							
	OBS	00150	13.92	35.795	26.84		1507.4							
	STD	00200	13.74	35.79	26.87	00.258	1507.6							
	OBS	00200	13.74	35.789	26.87		1507.6							
	STD	00220	13.65	35.773	26.88		1507.6							
	OBS	00220	13.65	35.773	26.88		1507.6							
	STD	00250	13.11	35.61	26.86	00.321	1506.1							
	OBS	00250	13.11	35.609	26.86		1506.1							
	STD	00260	12.85	35.610	26.91		1505.4							
	OBS	00260	12.85	35.610	26.91		1505.4							
	STD	00300	13.06	35.73	26.96	00.362	1506.9							
	OBS	00300	13.06	35.731	26.96		1506.9							
	STD	00400	12.05	35.53	27.01	00.499	1504.9							
	OBS	00400	12.05	35.528	27.01		1504.9							
	STD	00500	09.87	35.21	27.16	00.609	1498.4							
	OBS	00500	09.87	35.210	27.16		1498.4							
	STD	00600	07.93	35.00	27.30	00.704	1492.5							
	OBS	00600	07.93	35.000	27.30		1492.5							
	STD	00700	06.39	34.92	27.46	00.785	1488.1							
	OBS	00700	06.39	34.918	27.46		1488.1							
	STD	00800	05.67	34.95	27.58	00.854	1486.9							
	OBS	00800	05.67	34.951	27.58		1486.9							
	STD	00900	05.21	34.95	27.63	00.914	1486.7							
	OBS	00900	05.21	34.951	27.63		1486.7							
	STD	01000	04.79	34.96	27.69	00.969	1486.6							
	OBS	01000	04.79	34.962	27.69		1486.6							
	STD	01100	04.51	34.93	27.70	01.021	1487.1							
	OBS	01100	04.51	34.934	27.70		1487.1							
	STD	01200	04.34	34.92	27.71	01.073	1488.1							
	OBS	01200	04.34	34.924	27.71		1488.1							
	STD	01300	04.14	34.92	27.73	01.124	1488.9							
	OBS	01300	04.14	34.920	27.73		1488.9							
	STD	01400	03.99	34.91	27.74	01.174	1489.9							
	OBS	01400	03.99	34.913	27.74		1489.9							
	STD	01500	03.87	34.91	27.75	01.224	1491.1							
	OBS	01500	03.87	34.908	27.75		1491.1							

TABLE V.—Observed and interpolated oceanographic data for stations taken by USCGC ANDRO-SCOGGIN at Ocean Station DELTA, 25 November–15 December 1968, prepared from NODC listing No. 31-8074 AI.—Continued

REFID 31 8074	YEAR 1968	BOTOP 04709	AIR TEMP 14.4	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1306
CONSEC 0018	MONTH 12	SHIP AI	WET BULB 14.4	28 2 5	WIND-SPD 03	TRACE DIR 0	5 SQUARE 1
LAT 44 02 N	DAY 15	DATA USE 1	BAROMETR 1024.0	SEA	WIND-FJR	DURATION 00.7	2 SQUARE 40
LDNG 041 10 W	HOUR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	DRIG D27 C18	1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
18.0	STD	00000	13.94	35.50	26.60	00.000	1504.6							
	OBS	00000	13.94	35.500	26.60		1504.6							
	STD	00010	13.96	35.57	26.65	00.014	1504.9							
	OBS	00010	13.96	35.568	26.65		1504.9							
	STD	00020	14.73	35.82	26.68	00.028	1507.9							
	OBS	00020	14.73	35.820	26.68		1507.9							
	STD	00030	14.71	35.80	26.67	00.041	1507.9							
	OBS	00030	14.71	35.802	26.67		1507.9							
	STD	00050	14.34	35.70	26.67	00.069	1507.0							
	OBS	00050	14.34	35.701	26.67		1507.0							
	STD	00075	14.54	35.79	26.70	00.104	1508.1							
	OBS	00075	14.54	35.793	26.70		1508.1							
	STD	00100	14.44	35.79	26.72	00.138	1508.2							
	OBS	00100	14.44	35.793	26.72		1508.2							
	STD	00125	14.36	35.79	26.74	00.172	1508.4							
	OBS	00125	14.36	35.789	26.74		1508.4							
	STD	00150	14.36	35.79	26.74	00.206	1508.8							
	OBS	00150	14.36	35.792	26.74		1508.8							
	STD	00200	13.62	35.69	26.82	00.272	1507.1							
	OBS	00200	13.62	35.688	26.82		1507.1							
	STD	00250	13.31	35.70	26.89	00.336	1506.9							
	OBS	00250	13.31	35.704	26.89		1506.9							
	STD	00300	13.30	35.74	26.92	00.397	1507.7							
	OBS	00300	13.30	35.740	26.92		1507.7							
	STD	00345	13.12	35.67C	26.91		1507.8							
	OBS	00345	13.12	35.67C	26.91		1507.8							
	STD	00400	12.32	35.56	26.98	00.518	1505.8							
	OBS	00400	12.32	35.556	26.98		1505.8							
	STD	00500	10.46	35.26	27.10	00.632	1500.6							
	OBS	00500	10.46	35.262	27.10		1500.6							
	STD	00600	08.24	35.01	27.27	00.733	1493.7							
	OBS	00600	08.24	35.013	27.27		1493.7							
	STD	00700	06.74	34.94	27.43	00.818	1489.5							
	OBS	00700	06.74	34.940	27.43		1489.5							
	STD	00800	05.89	34.95	27.55	00.889	1487.8							
	OBS	00800	05.89	34.950	27.55		1487.8							
	STD	00900	05.43	34.97	27.62	00.952	1487.6							
	OBS	00900	05.43	34.968	27.62		1487.6							
	STD	01000	04.94	34.96	27.67	01.009	1487.2							
	OBS	01000	04.94	34.960	27.67		1487.2							
	STD	01100	04.76	34.96	27.69	01.063	1488.2							
	OBS	01100	04.76	34.960	27.69		1488.2							
	STD	01200	04.51	34.95	27.71	01.116	1488.8							
	OBS	01200	04.51	34.950	27.71		1488.8							
	STD	01300	04.33	34.95	27.73	01.167	1489.7							
	OBS	01300	04.33	34.948	27.73		1489.7							
	STD	01400	04.18	34.94	27.74	01.217	1490.8							
	OBS	01400	04.18	34.940	27.74		1490.8							
	STD	01500	04.06	34.93	27.75	01.268	1491.9							
	OBS	01500	04.06	34.932	27.75		1491.9							

TABLE VI.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station DELTA, 16 December 1968–9 January 1969, prepared from NODC listing No. 31-1414 DG.

REFID 31 1414	YEAR 1968	BOTDP C4617	AIR TEMP 14.6	DIR HGT PER	WIND-DIR 09	INST NANSEN CAST	TEN SQ 1306
CONSEC 0001	MONTH 12	SHIP 06	WET BULB 14.6	08 4 2	WIND-SPD 13	TRACE DIR	5 SQUARE 1
LAT 44 00 N	DAY 16	DATA USE 1	BAROMETR 1013.5	SEA	WIND-FDR	DURATION	2 SQUARE 40
LONG 041 00 W	HOUP 16.7	AREA 05	CLOUD T/A 6/8	CL/TP	WEATHER X5	ORIG D28 001	1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	S103	PH
16.7	STD	00000	14.70	35.75	26.63	00.000	1507.4							
	OBS	00000	14.70	35.752	26.63		1507.4							
	STD	00010	14.68	35.75	26.63	00.014	1507.5							
	STD	00020	14.66	35.74	26.64	00.028	1507.6							
16.7	OBS	00026	14.65	35.743	26.64		1507.6							
	STD	00030	14.66	35.74	26.64	00.042	1507.7							
	STD	00050	14.72	35.75	26.63	00.071	1508.2							
16.7	OBS	00050	14.72	35.751	26.63		1508.2							
	STD	00075	15.02	35.93	26.70	00.106	1509.8							
16.7	OBS	00075	15.02	35.932	26.70		1509.8							
	STD	00100	14.44	35.85	26.77	00.139	1508.3							
16.7	OBS	00100	14.44	35.855	26.77		1508.3							
	STD	00125	14.25	35.62	26.79	00.172	1508.0							
	STD	00150	14.13	35.81	26.80	00.205	1508.1							
16.7	OBS	00150	14.13	35.808	26.80		1508.1							
16.7	OBS	CC199	14.13	35.828	26.82		1508.9							
	STD	00200	14.12	35.83	26.82	00.269	1508.9							
	STD	00250	13.53	35.74	26.87	00.333	1507.6							
16.7	OBS	00297	12.98	35.661	26.93		1506.5							
	STD	00300	12.95	35.66	26.93	00.395	1506.5							
16.7	OBS	TCC393	11.89	35.520	27.03		1504.2							
	STD	00400	11.78	35.50	27.04	00.513	1503.9							
16.7	OBS	00488	10.26	35.262	27.13		1495.7							
	STD	00500	10.01	35.23	27.15	00.621	1498.7							
16.7	OBS	T00583	08.41	35.071	27.29		1494.2							
	STD	00600	08.12	35.06	27.32	00.716	1493.3							
	STD	00700	06.65	35.00	27.49	00.795	1489.2							
16.7	OBS	00777	05.83	34.972	27.57		1487.2							
	STD	00800	05.71	34.97	27.59	00.862	1487.1							
	STD	00900	05.24	34.97	27.65	00.921	1486.8							
16.7	OBS	CC975	04.93	34.970	27.68		1486.8							
16.7	OBS	T01484	03.94	34.912	27.74		1491.1							

REFID 31 1414	YEAR 1968	BOTDP 04663	AIR TEMP 15.1	DIR HGT PER	WIND-DIR 20	INST NANSEN CAST	TEN SQ 1306
CONSEC 0002	MONTH 12	SHIP 06	WET BULB 15.1	13 2 4	WIND-SPD C4	TRACE DIR	5 SQUARE 1
LAT 43 59.5N	DAY 17	DATA USE 1	BAROMETR 1013.9	SEA	WIND-FDR	DURATION	2 SQUARE 20
LONG 041 00.0W	HOUP 12.6	AREA 05	CLOUD T/A 7/6	CL/TR	WEATHER X4	ORIG 026 C02	1 SQUARE 31

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	S103	PH
12.6	STD	00000	14.17	35.53	26.58	00.000	1505.4							
	OBS	CC000	14.17	35.533	26.58		1505.4							
	STD	00010	14.17	35.56	26.60	00.014	1505.6							
	STD	00020	14.18	35.60	26.63	00.028	1505.8							
12.6	OBS	CC024	14.18	35.617	26.64		1505.9							
	STD	00030	14.23	35.65	26.66	00.043	1506.2							
	STD	CC050	14.36	35.75	26.71	00.070	1507.1							
12.6	OBS	00050	14.36	35.751	26.71		1507.1							
12.6	OBS	00074	14.48	35.812	26.73		1507.9							
	STD	CC075	14.48	35.81	26.73	00.104	1508.0							
12.6	OBS	00099	14.44	35.840	26.76		1508.3							
	STD	00100	14.43	35.84	26.76	00.137	1508.3							
	STD	00125	14.31	35.63	26.76	00.170	1508.3							
12.6	OBS	00148	14.20	35.830	26.80		1508.3							
	STD	00150	14.19	35.83	26.80	00.203	1508.3							
12.6	OBS	00198	13.99	35.779	26.81		1506.4							
	STD	00200	13.98	35.78	26.81	00.268	1508.3							
	STD	00250	13.63	35.74	26.85	00.333	1508.0							
12.6	OBS	00297	13.24	35.688	26.89		1507.4							
	STD	00300	13.22	35.69	26.90	00.396	1507.4							
12.6	OBS	00395	12.20	35.550	27.00		1505.3							
	STD	00400	12.10	35.53	27.00	00.517	1505.1							
12.6	OBS	00494	10.26	35.271	27.14		1499.8							
	STD	00500	10.13	35.26	27.15	00.627	1499.4							
12.6	OBS	T00591	08.35	35.076	27.30		1494.1							
	STD	00600	08.20	35.07	27.32	00.723	1493.6							
	STD	00700	06.78	35.01	27.48	00.803	1489.7							
12.6	OBS	00786	05.90	34.979	27.57		1487.6							
	STD	00800	05.83	34.98	27.58	00.870	1487.6							
	STD	00900	05.37	34.94	27.64	00.930	1487.4							
12.6	OBS	T00979	05.05	34.992	27.68		1487.4							
12.6	OBS	T01462	03.97	34.933	27.76		1490.9							

TABLE VI.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station DELTA, 16 December 1968–9 January 1969, prepared from NODC listing No. 31-1414 DG.—Continued

REFID	31	1414	YEAR	1968	BOTDP	04572	AIR TEMP	15.6	DIF HGT	PER	WIND-OIR	23	INST	NANSEN	CAS	TEN SQ	1306		
CONSEC		0003	MONTH	12	SHIP	OG	WET BULB	15.6		2 2 3	WIND-SPD	15	TRACE	OIR		5	SQUARE	1	
LAT	44	05	N	DAY	18	DATA USE	1	BAROMETR	1000.9	SEA	WIND-FOR		DURATION			2	SQUARE	40	
LONG	04C	54	W	HOUR	12.6	AREA	C5	CLOUD T/A	6/2	CL/TR	WEATHER	X1	ORIG	D28	003		1	SQUARE	40

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
	STO	00000	15.27	35.87	26.60	00.000	1509.3							
	OBS	00000	15.27	35.874	26.60		1509.3							
	STO	00010	15.26	35.87	26.61	00.014	1509.4							
12.6	OBS	T0018	15.25	35.872	26.61		1509.5							
	STO	00020	15.25	35.87	26.61	00.028	1509.6							
	STO	C0030	15.25	35.88	26.61	00.043	1509.8							
12.6	OBS	00038	15.26	35.878	26.61		1509.9							
	STO	00050	15.27	35.96	26.67	00.071	1510.2							
12.6	OBS	00058	15.28	35.980	26.68		1510.4							
	STO	00075	14.76	35.91	26.75	00.106	1509.0							
12.6	OBS	00078	14.68	35.901	26.75		1508.8							
	STO	00100	14.40	35.86	26.78	00.138	1508.2							
12.6	OBS	00121	14.16	35.823	26.81		1507.7							
	STO	C0125	14.11	35.82	26.81	00.171	1507.6							
	STO	00150	13.83	35.79	26.85	00.202	1507.1							
12.6	OBS	T00163	13.73	35.782	26.87		1506.9							
	STO	00200	13.69	35.79	26.88	00.265	1507.4							
12.6	OBS	00246	13.66	35.791	26.89		1508.1							
	STO	00250	13.66	35.79	26.89	00.327	1508.1							
	STO	00300	13.67	35.79	26.89	00.390	1509.0							
12.6	OBS	T00330	13.68	35.792	26.88		1509.5							
	STO	00400	13.65	35.78	26.88	00.517	1510.6							
12.6	OBS	00407	13.58	35.770	26.89		1510.4							
12.6	OBS	T00473	12.40	35.577	26.98		1507.3							
	STO	00500	11.77	35.48	27.03	00.640	1505.9							
	STO	00600	09.58	35.20	27.20	00.749	1499.0							
12.6	OBS	C0011	09.35	35.179	27.22		1498.3							
	STO	00700	07.58	35.05	27.40	00.840	1492.9							
12.6	OBS	T00734	07.01	35.013	27.45		1491.2							
	STO	00800	06.61	35.01	27.50	00.916	1490.7							
	STO	00900	06.01	34.99	27.57	00.985	1489.9							
	STO	01000	05.40	34.98	27.64	01.047	1489.2							
	STO	01100	04.80	34.97	27.70	01.103	1488.3							
12.6	OBS	T01124	04.65	34.970	27.71		1486.1							

REFID	31	1414	YEAR	1968	BOTDP	04572	AIR TEMP	10.0	OIR HGT	PER	WIND-OIR	29	INST	NANSEN	CAS	TEN SQ	1306		
CONSEC		0004	MONTH	12	SHIP	OG	WET BULB	06.2		31 4 3	WIND-SPD	25	TRACE	OIR		5	SQUARE	1	
LAT	43	57	N	DAY	19	DATA USE	1	BAROMETR	1001.2	SEA	WIND-FOR		DURATION			2	SQUARE	20	
LONG	04C	56	W	HOUR	13.1	AREA	05	CLOUD T/A	6/4	CL/TR	WEATHER	X1	ORIG	D28	004		1	SQUARE	50

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STO	00000	14.96	35.68	26.52	00.000	1506.1							
	OBS	00000	14.96	35.678	26.52		1506.1							
	STO	00010	14.96	35.68	26.52	00.015	1506.2							
	STO	00020	14.95	35.68	26.52	00.030	1508.4							
13.1	OBS	00024	14.95	35.678	26.52		1508.5							
	STO	00030	14.96	35.68	26.53	00.045	1508.6							
13.1	OBS	00046	14.97	35.694	26.53		1508.9							
	STO	00050	15.00	35.72	26.54	00.076	1509.1							
13.1	OBS	00069	15.05	35.784	26.58		1509.6							
	STO	00075	15.03	35.79	26.59	00.113	1509.7							
13.1	OBS	00092	14.92	35.798	26.62		1509.6							
	STO	00100	14.76	35.78	26.65	00.150	1509.2							
	STO	00125	14.36	35.75	26.71	00.185	1508.3							
13.1	OBS	C0137	14.22	35.736	26.73		1506.0							
	STO	00150	14.14	35.72	26.73	00.219	1506.0							
13.1	OBS	00182	13.98	35.701	26.75		1506.0							
	STO	00200	13.91	35.71	26.77	00.287	1508.1							
	STO	00250	13.77	35.73	26.82	00.353	1508.4							
13.1	OBS	00272	13.73	35.736	26.83		1508.7							
	STO	00300	13.72	35.73	26.83	00.419	1509.1							
13.1	OBS	T00362	13.70	35.724	26.83		1510.0							
	STO	00400	13.32	35.66	26.86	00.550	1504.3							
13.1	OBS	00455	12.57	35.541	26.92		1507.6							
	STO	C0500	11.70	35.40	26.96	00.677	1505.1							
13.1	OBS	T00547	10.80	35.278	27.05		1502.6							
	STO	C0600	09.64	35.17	27.16	00.769	1499.1							
	STO	00700	07.61	35.01	27.33	00.885	1493.8							
13.1	OBS	00737	07.26	34.976	27.38		1492.2							
	STO	C0800	06.58	34.96	27.47	00.966	1490.5							
	STO	00900	05.66	34.95	27.57	01.035	1488.5							
13.1	OBS	T00929	05.43	34.942	27.60		1486.0							
13.1	OBS	T01435	04.12	34.885	27.70		1491.0							

TABLE VI.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station DELTA, 16 December 1968–9 January 1969, prepared from NODC listing No. 31-1414 DG.—Continued

REFID 31 1414	YEAR 1968	BOTDP 04617	AIR TEMP 07.0	DIR MGT PER	WIND-DIR 07	INST NANSEN CAST	TEN SQ 1306
CONSEC 0005	MONTH 12	SHIP DG	WET BULB 06.1	24 4 4	WIND-SPD 07	TRACE DIR	5 SQUARE 1
LAT 43 58 N	DAY 20	DATA USE 1	BAROMETR 0991.2	SEA	WIND-FDR	DURATION	2 SQUARE 20
LONG 040 56 W	HOUR 12.7	AREA 05	CLDUD T/A 8/8	CL/TR	WEATHER X6	ORIG D28 005	1 SQUARE 30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PC4	TCT P	NO2	NO3	SIO3	PH
	STD	00000	15.21	35.80	26.56	00.000	1509.0							
12.7	OBS	00000	15.21	35.799	26.56		1509.0							
	STD	00010	15.21	35.80	26.56	00.014	1509.2							
	STD	00020	15.22	35.80	26.55	00.029	1509.4							
12.7	OBS	00025	15.22	35.796	26.55		1509.5							
	STD	00030	15.23	35.80	26.56	00.044	1509.6							
12.7	OBS	00049	15.27	35.813	26.56		1510.0							
	STD	00050	15.27	35.81	26.56	00.074	1510.1							
12.7	OBS	00074	15.27	35.799	26.55		1510.4							
	STD	00075	15.27	35.80	26.54	00.112	1510.5							
12.7	OBS	00098	15.30	35.806	26.54		1510.9							
	STD	00100	15.30	35.81	26.55	00.150	1511.0							
	STD	00125	15.33	35.84	26.56	00.189	1511.5							
	STD	00150	15.36	35.84	26.56	00.227	1512.0							
12.7	OBS	00150	15.36	35.844	26.56		1512.0							
	STD	00200	14.78	35.80	26.65	00.301	1511.0							
12.7	OBS	T00201	14.77	35.796	26.65		1510.9							
	STD	00250	14.42	35.76	26.70	00.373	1510.6							
	STD	00300	14.00	35.71	26.75	00.444	1510.0							
12.7	OBS	00310	13.91	35.696	26.76		1509.8							
	STD	00400	12.99	35.56	26.85	00.579	1508.1							
12.7	OBS	T00423	12.71	35.522	26.87		1507.5							
	STD	00500	11.63	35.38	26.97	00.706	1504.9							
12.7	OBS	00529	11.13	35.312	27.01		1503.5							
	STD	00600	09.57	35.12	27.14	00.821	1498.8							
12.7	OBS	T00632	08.94	35.049	27.19		1496.9							
	STD	00700	07.70	34.99	27.33	00.918	1493.3							
	STD	00800	06.27	34.92	27.48	00.998	1489.3							
12.7	OBS	00850	05.74	34.904	27.53		1487.9							
	STD	00900	05.49	34.90	27.56	01.067	1487.7							
	STD	01000	05.04	34.90	27.61	01.130	1487.6							
12.7	OBS	T01063	04.80	34.899	27.64		1487.6							
12.7	OBS	T01596	03.89	34.854	27.70		1492.7							

REFID 31 1414	YEAR 1968	BOTDP 04663	AIR TEMP 09.4	DIR MGT PER	WIND-DIR 27	INST NANSEN CAST	TEN SQ 1306
CONSEC 0006	MONTH 12	SHIP DG	WET BULB 07.2	26 4 3	WIND-SPD 12	TRACE DIR	5 SQUARE 1
LAT 43 59 N	DAY 21	DATA USE 1	BAROMETR 0996.3	SEA	WIND-FDR	DURATION	2 SQUARE 20
LONG 041 04 W	HOUR 12.0	AREA 05	CLDUD T/A 8/4	CL/TR	WEATHER X1	ORIG D28 006	1 SQUARE 31

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PC4	TCT P	NO2	NO3	SIO3	PH
	STD	00000	15.04	35.82	26.61	00.000	1508.5							
12.9	OBS	00000	15.04	35.822	26.61		1508.5							
	STD	00010	15.04	35.83	26.62	00.014	1508.7							
	STD	00020	15.05	35.83	26.62	00.028	1508.9							
12.9	OBS	00024	15.05	35.832	26.62		1509.0							
	STD	00030	15.07	35.83	26.61	00.044	1509.1							
12.9	OBS	00048	15.11	35.834	26.61		1509.3							
	STD	00050	15.11	35.83	26.61	00.072	1509.6							
12.9	OBS	00072	15.09	35.837	26.61		1509.9							
	STD	00075	15.09	35.83	26.61	00.108	1509.9							
12.9	OBS	00097	15.10	35.825	26.60		1510.3							
	STD	00100	15.10	35.83	26.61	00.145	1510.4							
	STD	00125	15.10	35.84	26.62	00.181	1510.8							
12.9	OBS	00144	15.10	35.846	26.62		1511.1							
	STD	00150	15.04	35.84	26.63	00.218	1511.0							
12.9	OBS	00193	14.64	35.816	26.70		1510.4							
	STD	00200	14.57	35.81	26.71	00.250	1510.3							
	STD	00250	14.13	35.75	26.76	00.359	1509.6							
12.9	OBS	00290	13.89	35.725	26.79		1509.5							
	STD	00300	13.67	35.73	26.80	00.427	1509.0							
12.9	OBS	T00386	13.70	35.740	26.84		1510.4							
	STD	00400	13.67	35.73	26.84	00.561	1510.6							
12.9	OBS	00484	12.74	35.570	26.91		1508.7							
	STD	00500	12.27	35.50	26.95	00.690	1507.2							
12.9	OBS	00580	10.10	35.226	27.13		1500.6							
	STD	00600	09.57	35.18	27.19	00.803	1498.9							
	STD	00700	07.36	35.02	27.40	00.854	1492.1							
12.9	OBS	00775	06.23	34.948	27.50		1488.7							
	STD	00800	06.09	34.95	27.52	00.969	1488.5							
	STD	00900	05.56	34.95	27.59	01.034	1488.1							
12.9	OBS	T00970	05.24	34.946	27.63		1488.0							
12.9	OBS	T01457	04.12	34.900	27.72		1491.4							

TABLE VI.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station DELTA, 16 December 1968–9 January 1969, prepared from NODC listing No. 31–1414 DG.—Continued

REFID 31 1414	YEAR 1968	BOTDP 04572	AIR TEMP 15.2	DIR HGT PER 07 7 5	WIND-DIR 13	INST NANSEN CAST	TEN SQ 1306
CONSEC 0007	MONTH 12	SHIP DG	WET BULB 14.7	SEA 07 7 5	WIND-SPD 07	TRACE DIR	5 SQUARE 1
LAT 44 08 N	DAY 22	DATA USE 1	BAROMETR 0990.6	CL/TR	WIND-FOR	DURATION	2 SQUARE 40
LONG 040 30 W	HOUR 12.7	AREA 05	CLOUD T/A 6/5		WEATHER X1	ORIG D28 007	1 SQUARE 40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	14.36	35.62	26.61	00.000	1506.1							
12.7	OBS	00000	14.36	35.622	26.61		1506.1							
	STO	00010	14.24	35.62	26.63	00.014	1505.9							
	STO	00020	14.16	35.61	26.65	00.028	1505.8							
12.7	OBS	00028	14.11	35.610	26.65		1505.8							
	STO	00030	14.11	35.61	26.65	00.042	1505.8							
	STO	00050	14.11	35.61	26.65	00.070	1506.1							
12.7	OBS	00055	14.11	35.605	26.65		1506.2							
	STO	00075	14.12	35.61	26.65	00.100	1506.6							
12.7	OBS	00083	14.13	35.624	26.66		1506.7							
	STO	00100	14.16	35.69	26.71	00.141	1507.2							
12.7	OBS	00110	14.17	35.725	26.73		1507.4							
	STO	00125	14.19	35.76	26.75	00.175	1507.8							
	STO	00150	14.22	35.80	26.77	00.208	1508.3							
12.7	OBS	00166	14.24	35.809	26.78		1508.7							
	STO	00200	14.12	35.79	26.79	00.274	1508.8							
12.7	OBS	00221	14.00	35.778	26.81		1508.8							
	STO	00250	13.68	35.72	26.83	00.340	1508.1							
	STO	00300	13.14	35.64	26.88	00.404	1507.0							
12.7	OBS	00330	12.82	35.593	26.91		1506.4							
	STO	00400	12.24	35.54	26.98	00.527	1505.5							
12.7	OBS	00440	11.69	35.471	27.03		1504.2							
	STO	00500	10.32	35.29	27.14	00.639	1500.1							
12.7	OBS	00550	09.37	35.178	27.22		1497.3							
	STO	00600	08.65	35.11	27.28	00.737	1495.4							
12.7	OBS	T00658	07.88	35.053	27.35		1493.4							
	STO	00700	07.31	35.03	27.42	00.822	1491.8							
	STO	00800	06.18	34.99	27.54	00.895	1489.0							
12.7	OBS	00880	05.53	34.979	27.62		1487.7							
	STO	00900	05.47	34.98	27.63	00.958	1487.8							
	STO	01000	05.16	35.00	27.68	01.014	1488.2							
	STO	01100	04.88	35.01	27.72	01.067	1488.7							
12.7	OBS	T01108	04.86	35.013	27.72		1488.8							
12.7	OBS	T01642	03.83	34.970	27.80		1495.4							

REFID 31 1414	YEAR 1968	BOTDP 04572	AIR TEMP 15.0	DIR HGT PER 01 5 4	WIND-DIR 09	INST NANSEN CAST	TEN SQ 1306
CONSEC 0008	MONTH 12	SHIP DG	WET BULB 15.0	SEA 01 5 4	WIND-SPD 15	TRACE DIR	5 SQUARE 1
LAT 44 12.5N	DAY 24	DATA USE 1	BAROMETR 0996.5	CL/TR	WIND-FOR	DURATION	2 SQUARE 40
LONG 041 00.0W	HOUR 13.0	AREA 05	CLOUD T/A 7/8		WEATHER X5	ORIG D28 008	1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	14.15	35.44	26.51	00.000	1505.2							
13.0	OBS	00000	14.15	35.438	26.51		1505.2							
	STO	00010	14.15	35.44	26.51	00.015	1505.4							
	STO	00020	14.15	35.44	26.51	00.030	1505.5							
13.0	OBS	00023	14.15	35.442	26.51		1505.6							
	STO	00030	14.58	35.58	26.53	00.045	1507.3							
13.0	OBS	00047	15.37	35.851	26.56		1510.4							
	STO	00050	15.48	35.90	26.57	00.076	1510.8							
13.0	OBS	00070	15.85	36.080	26.63		1512.5							
	STO	00075	15.76	36.07	26.64	00.112	1512.3							
13.0	OBS	00094	15.43	36.011	26.67		1511.5							
	STO	00100	15.30	35.99	26.68	00.148	1511.2							
	STO	00125	14.85	35.91	26.72	00.182	1510.1							
13.0	OBS	00141	14.61	35.872	26.75		1509.5							
	STO	00150	14.51	35.86	26.76	00.216	1509.4							
13.0	OBS	00188	14.16	35.815	26.80		1508.8							
	STO	00200	14.13	35.81	26.80	00.262	1508.9							
	STO	00250	13.88	35.77	26.83	00.348	1508.5							
13.0	OBS	00282	13.63	35.735	26.85		1508.5							
	STO	00300	13.43	35.70	26.87	00.412	1508.1							
13.0	OBS	00374	12.52	35.579	26.96		1506.1							
	STO	00400	12.18	35.54	26.99	00.535	1505.3							
13.0	OBS	00468	11.16	35.418	27.09		1502.8							
	STO	00500	10.54	35.33	27.13	00.647	1501.0							
13.0	OBS	T00563	09.38	35.180	27.22		1497.6							
	STO	00600	08.66	35.12	27.29	00.745	1495.4							
	STO	00700	07.05	35.01	27.44	00.829	1490.8							
13.0	OBS	00755	06.39	34.972	27.50		1489.0							
	STO	00800	06.10	34.98	27.55	00.900	1488.7							
	STO	00900	05.54	35.00	27.64	00.963	1486.1							
13.0	OBS	T00952	05.28	35.012	27.67		1487.9							
13.0	OBS	T01434	04.07	34.961	27.77		1490.9							

TABLE VI.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station DELTA, 16 December 1968–9 January 1969, prepared from NODC listing No. 31-1414 DG.—Continued

REFID 31 1414	YEAR 1968	BDTOP 04572	AIR TEMP 14.4	OIR HGT PER	WIND-DIP 19	INST NANSEN CAST	TEN SQ 1306
CONSEC 0009	MONTH 12	SHIP 06	WET BULB 13.3	04 1 2	WIND-SPO 14	TRACE OIR	5 SQUARE 1
LAT 44 02.6N	DAY 25	DATA USE 1	BAROMETR 1002.4	SEA	WIND-FGR	DURATION	2 SQUARE 40
LONG 041 38.3W	HOOR 23.4	AREA 05	CLOUD T/A 6/3	CL/TR	WEATHER X1	CRIG 028 009	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
23.4	STO	00000	16.00	35.62	26.24	00.000	1511.3							
	OBS	00000	16.00	35.624	26.24		1511.3							
	STO	00010	16.01	35.63	26.25	00.017	1511.5							
	STO	00020	16.02	35.64	26.25	00.035	1511.7							
23.4	OBS	00025	16.02	35.640	26.25		1511.8							
	STO	00030	16.10	35.68	26.26	00.053	1512.1							
	STO	00050	16.38	35.63	26.31	00.088	1513.5							
23.4	OBS	00050	16.38	35.829	26.31		1513.5							
	STO	00075	16.60	36.02	26.41	00.130	1514.8							
23.4	OBS	00075	16.60	36.017	26.41		1514.8							
	STO	00100	16.82	36.21	26.50	00.171	1516.1							
23.4	OBS	00100	16.82	36.207	26.50		1516.1							
	STO	00125	16.51	36.19	26.56	00.210	1515.6							
	STO	00150	16.17	36.18	26.63	00.247	1514.9							
23.4	OBS	00151	16.16	36.179	26.63		1514.9							
	STO	00200	15.39	36.04	26.70	00.319	1512.2							
23.4	OBS	T00202	15.36	36.035	26.71		1513.1							
	STO	00250	14.61	35.90	26.77	00.368	1511.4							
	STO	00300	13.82	35.77	26.83	00.455	1509.5							
23.4	OBS	00309	13.68	35.743	26.85		1509.1							
23.4	OBS	00526	10.21	35.280	27.15		1500.1							
	STO	00600	08.75	35.14	27.29		1495.6							
23.4	OBS	T00634	08.16	35.092	27.34		1494.1							
	STO	00700	07.23	35.05	27.44		1491.5							
	STO	00800	06.10	35.00	27.56		1488.7							
23.4	OBS	00848	05.69	34.984	27.60		1487.8							
	STO	00900	05.46	34.99	27.63		1487.7							
	STO	01000	05.06	34.99	27.68		1487.8							
23.4	OBS	T01063	04.84	34.989	27.71		1467.9							
23.4	OBS	T01592	03.92	34.938	27.77		1492.9							

REFID 31 1414	YEAR 1968	BDTOP 04572	AIR TEMP 16.1	OIR HGT PER	WIND-OIR 18	INST NANSEN CAST	TEN SQ 1306
CONSEC 0010	MONTH 12	SHIP 06	WET BULB 15.0	12 6 3	WIND-SPO 34	TRACE OIR	5 SQUARE 1
LAT 44 00 N	DAY 26	DATA USE 1	BAROMETR 0998.5	SEA	WIND-FGR	DURATION	2 SQUARE 40
LONG 040 58 W	HOOR 12.7	AREA 05	CLOUD T/A 8/4	CL/TR	WEATHER X1	CRIG 028 010	1 SQUARE 40

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.7	STO	00000	15.49	35.79	26.49	00.000	1509.9							
	OBS	00000	15.49	35.790	26.49		1509.9							
	STO	00010	15.49	35.79	26.49	00.015	1510.1							
	STO	00020	15.49	35.80	26.50	00.031	1510.2							
12.7	OBS	00025	15.49	35.801	26.50		1510.3							
	STO	00030	15.33	35.78	26.51	00.046	1509.9							
12.7	OBS	00049	14.90	35.720	26.57		1508.8							
	STO	00050	14.89	35.72	26.57	00.076	1508.8							
	STO	00075	14.78	35.74	26.61	00.113	1508.8							
12.7	OBS	00075	14.78	35.742	26.61		1508.8							
12.7	OBS	00099	14.69	35.748	26.63		1508.9							
	STO	00100	14.69	35.75	26.64	00.150	1509.0							
	STO	00125	14.63	35.80	26.65	00.185	1509.3							
	STO	00150	14.54	35.83	26.73	00.220	1509.4							
12.7	OBS	00150	14.54	35.826	26.73		1509.4							
	STO	00200	14.23	35.81	26.78	00.267	1509.2							
12.7	OBS	00200	14.23	35.809	26.78		1509.2							
	STO	00250	13.62	35.71	26.63	00.353	1507.9							
	STO	00300	13.00	35.62	26.89	00.417	1506.6							
12.7	OBS	00301	12.99	35.619	26.89		1506.5							
	STO	00400	11.77	35.47	27.02	00.537	1503.8							
12.7	OBS	T00405	11.69	35.460	27.02		1503.6							
	STO	00500	09.89	35.22	27.16	00.646	1498.5							
12.7	OBS	00503	09.84	35.218	27.17		1498.3							
	STO	00600	08.39	35.08	27.30	00.742	1494.4							
12.7	OBS	T00603	08.35	35.080	27.30		1494.3							
	STO	00700	07.04	35.02	27.45	00.824	1490.8							
	STO	00800	06.03	34.98	27.56	00.894	1488.4							
12.7	OBS	00809	05.95	34.982	27.57		1488.2							
	STO	00900	05.46	34.98	27.63	00.956	1487.7							
	STO	01000	05.00	34.97	27.68	01.013	1487.5							
12.7	OBS	T01006	04.97	34.974	27.68		1487.5							
12.7	OBS	T01566	03.95	34.913	27.74		1492.6							

TABLE VI.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station DELTA, 16 December 1968–9 January 1969, prepared from NODC listing No. 31-1414 DG.—Continued

REFID 31 1414 YEAR 1968 BOTDP 04572 AIR TEMP 11.8 DIF HGT PER WIND-DIR 30 INST NANSEN CAST TEN SQ 1306
 CONSEC 0011 MONTH 12 SHIP DG WET BULB 09.9 18 4 2 WIND-SPD 02 TRACE DIR 5 SQUARE 1
 LAT 43 50 N DAY 27 DATA USE 1 BAROMETR 1008.7 SEA WIND-FOR DURATION 2 SQUARE 20
 LONG 040 55 W HOUR 13.3 AREA 05 CLCUD T/A 8/5 CL/TR WEATHER XB GRIG 028 C11 1 SQUARE 30

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.3	STD	00000	14.61	35.22	26.24	00.000	1506.4							
	08S	00000	14.61	35.220	26.24		1506.4							
	STD	00010	14.67	35.24	26.25	00.017	1506.8							
	STD	00020	14.72	35.26	26.25	00.035	1507.2							
13.3	08S	00025	14.75	35.273	26.25		1507.3							
	STD	00030	14.99	35.38	26.29	00.053	1508.3							
	STD	00050	15.44	35.64	26.39	00.087	1510.4							
13.3	08S	00051	15.44	35.651	26.39		1510.4							
	STD	00075	14.82	35.58	26.48	00.128	1508.8							
13.3	08S	00076	14.80	35.579	26.48		1508.7							
	STD	00100	14.44	35.61	26.58	00.166	1508.0							
13.3	08S	00102	14.43	35.620	26.59		1508.0							
	STD	00125	14.69	35.80	26.68	00.202	1509.4							
	STD	00150	14.80	35.91	26.74	00.237	1510.3							
13.3	08S	00152	14.80	35.916	26.74		1510.4							
	STD	00200	14.48	35.85	26.76	00.305	1510.1							
13.3	08S	00203	14.46	35.848	26.76		1510.0							
	STD	00250	14.16	35.83	26.81	00.372	1509.8							
	STD	00300	13.75	35.78	26.86	00.437	1509.2							
13.3	08S	00305	13.70	35.772	26.86		1509.2							
	STD	00400	12.63	35.60	26.95	00.563	1506.9							
13.3	08S	T00410	12.46	35.573	26.96		1506.5							
	STD	00500	10.44	35.28	27.11	00.678	1500.5							
13.3	08S	00508	10.28	35.260	27.13		1500.1							
	STD	00600	08.71	35.11	27.27	00.778	1495.6							
13.3	08S	T00604	08.65	35.110	27.28		1495.5							
	STD	00700	07.27	35.05	27.44	00.862	1491.7							
	STD	00800	06.16	35.01	27.56	00.933	1488.9							
13.3	08S	00810	06.07	35.005	27.57		1488.7							
	STD	00900	05.50	34.99	27.63	00.995	1487.9							
	STD	T10000	04.98	34.98	27.68	01.051	1487.4							
13.3	08S	T01014	04.91	34.974	27.69		1487.4							
13.3	08S	T01506	03.95	34.921	27.75		1491.6							
	STD	01750	03.80	34.93	27.77		1495.1							
	STD	02000	03.66	34.93	27.79		1498.7							
15.4	08S	C2007	03.66	34.929	27.79		1498.8							
	STD	02500	03.44	34.93	27.81		1506.3							
15.4	08S	T02513	03.43	34.930	27.81		1506.5							
	STD	03000	03.10	34.90	27.82		1513.5							
15.4	08S	03018	03.09	34.899	27.82		1513.7							
15.4	08S	03523	02.92											
	STD	04000	02.51	34.90	27.87		1528.5							
15.4	08S	T04025	02.50	34.901	27.87		1528.9							
15.4	08S	T04497	02.38	34.890	27.87		1536.7							

REFID 31 1414 YEAR 1968 BOTDP 04572 AIR TEMP 11.1 DIF HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1306
 CONSEC 0012 MONTH 12 SHIP DG WET BULB 10.6 18 3 3 WIND-SPD 03 TRACE DIR 5 SQUARE 1
 LAT 43 54 N DAY 28 DATA USE 1 BAROMETR 1010.2 SEA WIND-FOR DURATION 2 SQUARE 20
 LONG 041 15 W HOUR 12.4 AREA 05 CLCUD T/A 9/3 CL/TR WEATHER XB GRIG 028 012 1 SQUARE 31

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	STD	00000	16.09	35.76	26.33	00.000	1511.7							
	08S	00000	16.09	35.760	26.33		1511.7							
	STD	00010	16.09	35.76	26.32	00.017	1511.9							
	STD	00020	16.09	35.75	26.32	00.034	1512.0							
12.8	08S	00025	16.09	35.748	26.32		1511.1							
	STD	00030	16.23	35.81	26.33	00.051	1512.7							
	STD	00050	16.57	35.98	26.39	00.065	1514.3							
12.8	08S	00051	16.58	35.989	26.39		1514.3							
	STD	00075	16.52	36.04	26.44	00.126	1514.6							
12.8	08S	00076	16.52	36.044	26.45		1514.6							
	STD	00100	16.49	36.09	26.49	00.166	1515.0							
12.8	08S	00102	16.48	36.097	26.50		1515.0							
	STD	00125	16.36	36.09	26.52	00.205	1515.0							
	STD	00150	16.10	36.07	26.56	00.244	1514.0							
12.8	08S	00151	16.09	36.068	26.57		1514.6							
	STD	00200	15.20	35.98	26.70	00.317	1512.5							
12.8	08S	00202	15.17	35.973	26.70		1512.4							
	STD	00250	14.44	35.86	26.77	00.387	1510.6							
	STD	00300	13.74	35.75	26.84	00.453	1509.2							
12.8	08S	00304	13.69	35.742	26.84		1509.1							
	STD	00400	12.58	35.58	26.95	00.560	1506.7							
12.8	08S	00404	12.52	35.574	26.95		1506.6							
	STD	00500	10.76	35.34	27.10	00.696	1501.8							
12.8	08S	00504	10.68	35.326	27.11		1501.5							
	STD	00600	08.42	35.08	27.29	00.795	1494.5							
12.8	08S	T00605	08.32	35.074	27.30		1494.2							
	STD	00700	06.93	35.02	27.46	00.877	1490.3							
	STD	00800	05.88	34.99	27.58	00.946	1487.3							
12.8	08S	C0802	05.86	34.987	27.58		1487.7							
	STD	00900	05.39	34.99	27.64	01.006	1487.3							
12.8	08S	00997	05.00	34.990	27.69		1487.3							
12.8	08S	T01453	04.05	34.934	27.75		1491.1							

TABLE VI.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station DELTA, 16 December 1968–9 January 1969, prepared from NODC listing No. 31-1414 DG.—Continued

REFID 31 1414	YEAR 1968	BOTDP 04617	AIR TEMP 09.6	DIR HGT PER	WIND-DIR 30	INST NANSEN CAST	TEN SQ 1306
CONSEC 0013	MONTH 12	SHIP DG	WET BULB 05.4	26 3 4	WIND-SPD 15	TRACE DIR	5 SQUARE 1
LAT 44 10 N	DAY 29	DATA USE 1	BAROMETR 1016.4	SEA	WIND-FDR	DURATION	2 SQUARE 40
LONG 041 15 W	HRUR 12.8	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X2	ORIG D28 013	1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
12.8	STD	00000	15.63	35.95	26.58	00.000	1510.5							
	DBS	00000	15.63	35.950	26.58		1510.5							
	STD	00010	15.60	35.95	26.58	00.014	1510.6							
	STD	00020	15.56	35.94	26.59	00.029	1510.6							
12.8	DBS	00024	15.54	35.936	26.59		1510.6							
	STD	00030	15.50	35.93	26.59	00.043	1510.6							
12.8	DBS	00048	15.41	35.911	26.60		1510.6							
	STD	00050	15.41	35.91	26.60	00.073	1510.6							
12.8	DBS	00073	15.38	35.907	26.60		1510.9							
	STD	00075	15.37	35.91	26.61	00.109	1510.9							
12.8	DBS	00097	15.33	35.919	26.62		1511.1							
	STD	00100	15.33	35.92	26.63	00.146	1511.2							
	STD	00125	15.34	35.94	26.64	00.162	1511.6							
12.8	DBS	00147	15.34	35.947	26.64		1512.0							
	STD	00150	15.33	35.95	26.64	00.218	1512.1							
12.8	DBS	00196	15.25	35.944	26.66		1512.6							
	STD	00200	15.19	35.94	26.67	00.291	1512.4							
	STD	00250	14.50	35.88	26.77	00.361	1511.0							
12.8	DBS	00293	13.92	35.812	26.85		1509.7							
	STD	00300	13.84	35.80	26.86	00.427	1509.6							
12.8	DBS	T00390	12.66	35.627	26.96		1506.9							
	STD	00400	12.51	35.60	26.98	00.551	1506.5							
12.8	DBS	00487	11.00	35.403	27.11		1502.5							
	STD	00500	10.67	35.37	27.14	00.663	1501.5							
12.8	DBS	T00582	08.90	35.184	27.30		1496.1							
	STD	00600	08.67	35.18	27.33	00.760	1495.5							
	STD	00700	07.48	35.13	27.47	00.840	1492.6							
12.8	DBS	00777	06.69	35.101	27.56		1490.8							
	STD	00800	06.48	35.09	27.58	00.909	1490.3							
	STD	00900	05.65	35.05	27.66	00.969	1488.6							
12.8	DBS	T00975	05.14	35.032	27.71		1487.7							
12.8	DBS	T01478	04.07	34.982	27.79		1491.7							

REFID 31 1414	YEAR 1968	BOTDP 04572	AIR TEMP 15.2	DIR HGT PER	WIND-DIR 19	INST NANSEN CAST	TEN SQ 1306
CONSEC 0014	MONTH 12	SHIP DG	WET BULB 14.9	26 3 4	WIND-SPD 15	TRACE DIR	5 SQUARE 1
LAT 43 58 N	DAY 30	DATA USE 1	BAROMETR 1017.0	SEA	WIND-FDR	DURATION	2 SQUARE 20
LONG 040 50 W	HRUR 12.7	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X6	ORIG D28 C14	1 SQUARE 30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
12.7	STD	00000	14.65	35.63	26.55	00.000	1507.0							
	DBS	00000	14.65	35.625	26.55		1507.0							
	STD	00010	14.70	35.64	26.55	00.015	1507.4							
	STD	00020	14.72	35.67	26.57	00.029	1507.6							
12.7	DBS	00025	14.72	35.693	26.59		1507.8							
	STD	00030	14.71	35.74	26.63	00.044	1507.9							
12.7	DBS	00049	14.65	35.881	26.75		1508.2							
	STD	00050	14.64	35.88	26.75	00.072	1508.2							
12.7	DBS	00074	14.54	35.928	26.61		1508.3							
	STD	00075	14.54	35.93	26.61	00.104	1508.3							
12.7	DBS	00098	14.48	35.925	26.62		1508.5							
	STD	00100	14.45	35.92	26.62	00.136	1508.4							
	STD	00125	14.09	35.86	26.85	00.167	1507.6							
12.7	DBS	00149	13.84	35.822	26.87		1507.1							
	STD	00150	13.84	35.82	26.87	00.198	1507.1							
	STD	00200	13.63	35.80	26.90	00.259	1507.2							
12.7	DBS	T00200	13.63	35.803	26.90		1507.2							
	STD	00250	13.54	35.79	26.91	00.320	1507.8							
	STD	00300	13.46	35.79	26.92	00.381	1508.3							
12.7	DBS	00300	13.46	35.786	26.92		1508.3							
	STD	00400	12.23	35.58	27.01	00.500	1505.6							
12.7	DBS	T00402	12.20	35.575	27.01		1505.5							
	STD	00500	10.20	35.29	27.16	00.610	1499.7							
12.7	DBS	00505	10.10	35.275	27.17		1499.4							
	STD	00600	08.23	35.09	27.33	00.704	1493.8							
12.7	DBS	T00609	08.08	35.082	27.35		1493.4							
	STD	00700	07.19	35.08	27.47	00.784	1491.4							
	STD	00800	06.35	35.07	27.58	00.853	1489.8							
12.7	DBS	00815	06.24	35.064	27.59		1489.6							
	STD	00900	05.68	35.04	27.65	00.913	1488.7							
	STD	01000	05.12	35.02	27.70	00.968	1486.1							
12.7	DBS	T01024	05.00	35.020	27.71		1488.0							
12.7	DBS	T01541	03.89	34.950	27.78		1491.9							

TABLE VI.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station DELTA, 16 December 1968–9 January 1969, prepared from NODC listing No. 31-1414 DG.—Continued

REFID 31 1414	YEAR 1968	80TOP 04663	AIR TEMP 14.4	DIR HGT PER	WIND-DIR 34	INST NANSEN CAST	TEN SQ 1306
CONSEC 0015	MONTH 12	SHIP DG	WET BULB 13.2	19 5 5	WIND-SPD 20	TRACE DIR	5 SQUARE 1
LAT 44 02 N	DAY 31	DATA USE 1	BAROMETR 1007.8	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 041 04 W	HRUR 16.9	AREA 05	CLCUD T/A 7/8	CL/TF	WEATHER X5	GRIG 028 015	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.9	STO	00000	13.27	34.72	26.14	00.000	1501.4							
	OBS	00000	13.27	34.720	26.14		1501.4							
	STO	00010	13.97	35.07	26.26	00.018	1504.3							
	STO	00020	14.46	35.36	26.39	00.035	1506.4							
16.9	OBS	00025	14.63	35.490	26.45		1507.2							
	STO	00030	14.65	35.61	26.54	00.051	1507.5							
	STO	00050	14.70	35.93	26.78	00.079	1508.4							
16.9	OBS	00051	14.70	35.943	26.78		1508.4							
	STO	00075	14.68	35.95	26.79	00.111	1508.8							
16.9	OBS	00076	14.68	35.950	26.79		1508.8							
	STO	00100	14.66	35.95	26.80	00.143	1509.1							
16.9	OBS	00102	14.66	35.952	26.80		1509.2							
	STO	00125	14.64	35.95	26.80	00.176	1509.5							
	STO	00150	14.61	35.95	26.80	00.206	1509.8							
16.9	OBS	00152	14.61	35.946	26.80		1509.8							
	STO	00200	14.28	35.88	26.83	00.273	1509.5							
16.9	OBS	00203	14.26	35.880	26.83		1505.4							
	STO	00250	14.05	35.86	26.86	00.337	1509.5							
	STO	00300	13.08	35.81	26.90	00.400	1509.1							
16.9	OBS	00305	13.64	35.804	26.90		1509.0							
	STO	00400	12.53	35.64	27.00	00.521	1506.6							
16.9	OBS	00406	12.44	35.622	27.00		1506.4							
	STO	00500	10.78	35.37	27.12	00.634	1501.9							
16.9	OBS	00508	10.63	35.346	27.13		1501.4							
	STO	00600	08.78	35.14	27.28	00.733	1495.9							
16.9	OBS	T00606	08.67	35.128	27.29		1495.6							
	STO	00700	07.25	35.06	27.45	00.817	1491.6							
	STO	00800	06.14	35.02	27.57	00.887	1488.8							
16.9	OBS	00812	06.03	35.013	27.58		1488.0							
	STO	00900	05.61	35.02	27.64	00.948	1488.4							
	STO	01000	05.20	35.03	27.70	01.004	1488.4							
16.9	OBS	T01023	05.11	35.025	27.71		1488.4							
16.9	OBS	C01523	04.03	34.976	27.79		1492.3							

REFID 31 1414	YEAR 1969	80TOP 04663	AIR TEMP 09.2	DIR HGT PER	WIND-DIR 33	INST NANSEN CAST	TEN SQ 1306
CONSEC 0016	MONTH 01	SHIP DG	WET BULB 06.6	34 2 2	WIND-SPD 25	TRACE DIR	5 SQUARE 1
LAT 43 50 N	DAY 01	DATA USE 1	BAROMETR 1014.6	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 041 16 W	HRUR 12.7	AREA 05	CLCUD T/A 8/E	CL/TF	WEATHER X6	GRIG 028 016	1 SQUARE 31

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
12.7	STO	00000	15.53	35.78	26.47	00.000	1510.0							
	OBS	00000	15.53	35.777	26.47		1510.0							
	STO	00010	15.53	35.78	26.47	00.015	1510.2							
	STO	00020	15.53	35.77	26.47	00.031	1510.3							
12.7	OBS	00024	15.53	35.773	26.47		1510.4							
	STO	00030	15.54	35.76	26.47	00.047	1510.5							
12.7	OBS	00046	15.56	35.781	26.47		1510.9							
	STO	00050	15.58	35.79	26.47	00.079	1511.0							
12.7	OBS	00069	15.83	35.844	26.45		1512.2							
	STO	00075	16.03	35.91	26.46	00.118	1513.0							
12.7	OBS	00091	16.44	36.051	26.47		1514.6							
	STO	00100	16.46	36.07	26.48	00.158	1514.9							
	STO	00125	16.52	36.12	26.51	00.198	1515.5							
12.7	OBS	00136	16.54	36.140	26.52		1515.8							
	STO	00150	16.48	36.15	26.54	00.237	1515.8							
12.7	OBS	T00178	16.35	36.161	26.58		1515.9							
	STO	00200	15.55	36.02	26.65	00.313	1513.7							
	STO	00250	14.15	35.77	26.77	00.383	1509.7							
12.7	OBS	00265	13.84	35.723	26.80		1508.9							
	STO	00300	13.55	35.69	26.83	00.450	1508.5							
12.7	OBS	T00349	13.03	35.627	26.85		1507.5							
	STO	00400	12.34	35.54	26.96	00.576	1505.9							
12.7	OBS	00433	11.87	35.482	27.01		1504.7							
	STO	00500	10.40	35.30	27.13	00.669	1500.4							
	STO	00600	08.59	35.10	27.28	00.788	1495.2							
12.7	OBS	00688	07.40	35.003	27.38		1491.9							
	STO	00700	07.30	35.01	27.40	00.874	1491.7							
	STO	00800	06.53	35.02	27.52	00.949	1490.4							
12.7	OBS	C0859	06.13	35.029	27.58		1489.8							
12.7	OBS	T01283	04.51	35.006	27.76		1490.3							

TABLE VI.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station DELTA, 16 December 1968–9 January 1969, prepared from NODC listing No. 31-1414 DG.—Continued

REFID 31 1414	YEAR 1969	BOTOP 04570	AIR TEMP 14.8	OIF HGT PER	WIND-OIR 14	INST NANSEN CAST	TEN SQ 1306
CONSEC 0017	MONTH 01	SHIP DG	WET BULR 13.1	11 4 4	WIND-SPO 25	TRACE DIR	5 SQUARE 1
LAT 43 50 N	DAY 02	DATA USE 1	BAROMETR 1016.0	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 040 05 W	HOUR 12.6	AREA 05	CLOUD T/A 3/3	CL/TR	WEATHER X1	ORIG 028 017	1 SQUARE 30

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.6	STO	00000	14.61	35.81	26.70	00.000	1507.2							
	OBS	00000	14.61	35.815	26.70		1507.2							
	STO	00010	14.64	35.83	26.71	00.013	1507.4							
	STO	00020	14.66	35.84	26.71	00.027	1507.7							
12.6	OBS	C0026	14.67	35.846	26.71		1507.8							
	STO	00030	14.68	35.85	26.72	00.040	1507.9							
	STO	00050	14.70	35.87	26.73	00.067	1508.3							
12.6	OBS	00050	14.70	35.873	26.73		1508.3							
	STO	00075	14.61	35.87	26.75	00.100	1508.4							
12.6	OBS	C0076	14.60	35.870	26.75		1508.4							
	STO	00100	14.36	35.81	26.75	00.133	1508.0							
12.6	OBS	00111	14.35	35.806	26.75		1508.0							
	STO	00125	14.24	35.81	26.78	00.167	1508.0							
	STO	00150	14.09	35.81	26.81	00.199	1507.9							
12.6	OBS	00152	14.08	35.813	26.82		1507.9							
	STO	00200	13.66	35.75	26.86	00.263	1507.3							
12.6	OBS	00202	13.65	35.753	26.86		1507.3							
	STO	00250	13.61	35.75	26.87	00.326	1507.9							
	STO	00300	13.57	35.75	26.87	00.389	1508.0							
12.6	OBS	C0302	13.57	35.749	26.87		1508.7							
12.6	OBS	T00399	12.50	35.553	26.94		1506.4							
	STO	00400	12.49	35.55	26.94	00.515	1506.4							
	STO	00500	10.82	35.33	27.08	00.631	1502.0							
12.6	OBS	00500	10.82	35.328	27.08		1502.0							
12.6	OBS	C0597	07.77	35.032	27.35		1491.9							
	STO	00600	07.74	35.03	27.36	00.728	1491.8							
	STO	00700	06.80	35.01	27.47	00.807	1489.8							
12.6	OBS	00790	06.11	34.991	27.55		1488.5							
	STO	00800	06.05	34.99	27.56	00.876	1488.5							
	STO	00900	05.50	34.98	27.62	00.938	1487.9							
12.6	OBS	T00970	05.17	34.978	27.66		1487.7							
12.6	OBS	T01472	04.22	34.950	27.74		1492.2							

REFID 31 1414	YEAR 1969	BOTOP 04663	AIR TEMP 15.4	DIR HGT PER	WIND-OIR 16	INST NANSEN CAST	TEN SQ 1306
CONSEC 0018	MONTH 01	SHIP DG	WET BULR 13.0	65 6 5	WIND-SPO 35	TRACE DIR	5 SQUARE 1
LAT 43 53 N	DAY 03	DATA USE 1	BAROMETR 1013.1	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 041 12 W	HOUR 12.5	AREA 05	CLOUD T/A 7/6	CL/TR	WEATHER X5	ORIG 028 018	1 SQUARE 31

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.5	STO	00000	13.89	35.67	26.75	00.000	1504.7							
	OBS	00000	13.89	35.671	26.75		1504.7							
	STO	00010	13.89	35.67	26.75	00.013	1504.8							
	STO	00020	13.91	35.68	26.75	00.026	1505.0							
12.5	OBS	00021	13.91	35.676	26.75		1505.1							
	STO	00030	13.94	35.68	26.74	00.039	1505.3							
12.5	OBS	00038	13.90	35.684	26.74		1505.5							
	STO	00050	13.97	35.69	26.74	00.065	1505.6							
12.5	OBS	00060	13.99	35.696	26.74		1506.0							
	STO	00075	14.05	35.71	26.74	00.099	1506.4							
12.5	OBS	00079	14.06	39.712	26.74		1506.5							
	STO	00100	14.06	35.75	26.77	00.132	1506.9							
12.5	OBS	00115	14.06	35.775	26.79		1507.2							
	STO	00125	14.03	35.79	26.81	00.164	1507.3							
12.5	OBS	T00144	13.96	35.822	26.85		1507.4							
	STO	00150	13.94	35.82	26.85	00.196	1507.5							
12.5	OBS	00197	13.73	35.826	26.90		1507.5							

TABLE VI.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station DELTA, 16 December 1968–9 January 1969, prepared from NODC listing No. 31-1414 DG.—Continued

REFID 31 1414	YEAR 1969	BOTDP 04663	AIP TEMP 12.3	DIF HGT PER	WIND-DIR 34	INST NANSEN CAST	TEN SQ 1306
CONSEC 0019	MONTH 01	SHIP DG	WET BULB 09.6	34 4 2	WIND-SPD 38	TRACE DIR	5 SQUARE 1
LAT 43 50 N	DAY 04	DATA USE 1	BAROMETR 1017.3	SEA	WIND-FGR	DURATION	2 SQUARE 20
LONG 041 14 W	HOUR 12.7	AREA 05	CLCUD T/A 8/8	CL/TR	WEATHER X8	ORIG D28 019	1 SQUARE 31

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SID3	PH
12.7	STD	00000	15.80											
	OBS	00000	15.80	36.00 Q	26.58Q									
	STD	00010	15.80											
	STD	00020	15.80											
12.7	OBS	00025	15.80	35.982	26.57		1511.5							
	STD	00030	15.81	35.98	26.56		1511.6							
12.7	OBS	00049	15.82	35.981	26.56		1512.0							
	STD	00050	15.82	35.98	26.56		1512.0							
12.7	OBS	00074	15.81	35.980	26.56		1512.3							
	STD	00075	15.81	35.98	26.56		1512.4							
	STD	00100	15.81	35.99	26.57		1512.8							
12.7	OBS	00101	15.81	35.988	26.57		1512.8							
	STD	00125	14.66	35.87	26.74		1509.4							
	STD	00150	13.87	35.79	26.85		1507.2							
12.7	OBS	00152	13.82	35.790	26.85		1507.1							
	STD	00200	13.57	35.76	26.88		1507.0							
12.7	OBS	00203	13.56	35.758	26.88		1507.0							
	STD	00250	13.54	35.76	26.89		1507.7							
	STD	00300	13.52	35.76	26.89		1508.5							
12.7	OBS	00309	13.52	35.760	26.89		1508.6							
	STD	00400	13.41	35.73	26.90		1509.7							
12.7	OBS	T00416	13.26	35.709	26.91		1509.4							
	STD	00500	11.90	35.44	26.99		1505.9							
12.7	OBS	00526	11.25	35.384	27.05		1504.0							
	STD	00600	08.36	35.12	27.34		1494.3							
12.7	OBS	00636	07.32	35.034	27.42		1490.8							
	STD	00700	06.99	35.03	27.46		1490.6							
	STD	00800	06.47	35.02	27.53		1490.2							
12.7	OBS	00860	06.15	35.016	27.57		1489.9							
	STD	00900	05.89	35.01	27.59		1489.5							
	STD	01000	05.30	34.99	27.65		1488.8							
12.7	OBS	T01089	04.86	34.978	27.70		1488.4							
12.7	OBS	T01647	03.85	34.919	27.76		1493.5							

REFID 31 1414	YEAR 1969	BOTDP 04663	AIR TEMP 14.1	DIR HGT PER	WIND-DIR 04	INST NANSEN CAST	TEN SQ 1306
CONSEC 0020	MONTH 01	SHIP DG	WET BULB 12.7	35 4 3	WIND-SPD 05	TRACE DIR	5 SQUARE 1
LAT 44 06 N	DAY 05	DATA USE 1	BAROMETR 1025.5	SEA	WIND-FGR	DURATION	2 SQUARE 40
LONG 041 08 W	HOUR 12.6	AREA 05	CLOUD T/A 8/7	CL/TR	WEATHER X1	ORIG D28 020	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SID3	PH
	STD	00000	15.68	35.93	26.55	00.000	1510.7							
12.6	OBS	00000	15.68	35.928	26.55		1510.7							
	STD	00010	15.68	35.93	26.55	00.014	1510.8							
12.6	OBS	00019	15.69	35.936	26.56		1511.0							
	STD	00020	15.69	35.94	26.56	00.029	1511.0							
	STD	00030	15.70	35.94	26.56	00.044	1511.2							
12.6	OBS	00040	15.71	35.942	26.56		1511.4							
	STD	00050	15.79	35.97	26.56	00.074	1511.9							
12.6	OBS	00060	15.91	36.010	26.56		1512.5							
	STD	00075	16.19	36.09	26.56	00.112	1513.7							
12.6	OBS	00080	16.26	36.115	26.56		1514.0							
	STD	00100	16.35	36.16	26.57	00.150	1514.6							
12.6	OBS	00120	16.39	36.182	26.58		1515.1							
	STD	00125	16.38	36.18	26.59	00.187	1515.2							
	STD	00150	16.32	36.19	26.61	00.225	1515.4							
12.6	OBS	T00161	16.29	36.194	26.62		1515.5							
	STD	00200	15.20	35.99	26.71	00.297	1512.5							
12.6	OBS	00237	14.41	35.853	26.78		1510.4							
	STD	00250	14.25	35.83	26.60	00.366	1510.1							
	STD	00300	13.68	35.76	26.86	00.431	1509.0							
12.6	OBS	T00314	13.53	35.741	26.88		1506.7							
12.6	OBS	00386	12.82	35.634	26.94		1507.4							
	STD	00400	12.56	35.59	26.96	00.556	1506.7							
12.6	OBS	T00459	11.50	35.441	27.04		1503.8							
	STD	00500	10.80	35.33	27.09	00.672	1501.9							
	STD	00600	09.08	35.14	27.24	00.775	1497.0							
12.6	OBS	00612	08.67	35.127	27.26		1496.4							
	STD	00700	07.16	35.07	27.47	00.859	1491.3							
12.6	OBS	00773	06.03	35.038	27.60		1488.0							
12.6	OBS	T01194	04.69	35.003	27.73		1489.5							

TABLE VI.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station DELTA, 16 December 1968–9 January 1969, prepared from NODC listing No. 31-1414 DG.—Continued

REFID 31 1414	YEAR 1969	BOTDP 04663	AIR TEMP 13.9	DIR HGT PER	WIND-DIR 18	INST NANSEN CAST	TEN SQ 1306
CONSEC 0021	MONTH C1	SHIP DG	WET BULB 13.3	08 4 3	WIND-SPO 25	TRACE DIR	5 SQUARE 1
LAT 44 03.0N	DAY 06	DATA USE 1	BAROMETR 1018.3	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 041 14.5W	HOUR 12.8	AREA 05	CLCUD T/A 6/5	CL/TR	WEATHER X1	ORIG 026 021	1 SQUARE 41

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SIG3	PH
12.8	STD	00000	15.28	35.78	26.53	00.000	1509.2							
	OBS	00000	15.28	35.779	26.53		1509.2							
	STD	00010	15.28	35.78	26.53	00.015	1509.4							
	STD	00020	15.27	35.78	26.53	00.030	1509.5							
12.8	OBS	00027	15.27	35.780	26.53		1509.6							
	STD	00030	15.11	35.75	26.54	00.045	1509.1							
	STD	00050	14.42	35.63	26.60	00.075	1507.2							
12.8	OBS	00054	14.37	35.631	26.61		1507.0							
	STD	00075	14.64	35.79	26.67	00.110	1508.4							
12.8	OBS	00081	14.72	35.796	26.66		1508.8							
	STD	00100	14.17	35.68	26.69	00.145	1507.2							
12.8	OBS	00108	14.02	35.656	26.71		1506.8							
	STD	00125	14.07	35.74	26.76	00.179	1507.4							
	STD	00150	14.13	35.82	26.81	00.212	1508.1							
12.8	OBS	00163	14.17	35.836	26.82		1508.4							
	STD	00200	13.87	35.76	26.82	00.277	1508.0							
12.8	OBS	00217	13.73	35.734	26.83		1507.8							
	STD	00250	13.56	35.72	26.85	00.341	1507.7							
	STD	00300	13.18	35.67	26.89	00.404	1507.2							
12.8	OBS	00326	12.93	35.642	26.92		1506.8							
	STD	00400	11.93	35.51	27.02	00.524	1504.4							
12.8	OBS	T00435	11.43	35.448	27.06		1503.2							
	STD	00500	10.30	35.30	27.15	00.634	1500.1							
	STD	T00600	08.74	35.13	27.28	00.731	1495.6							
12.8	OBS	T00659	07.92	35.055	27.35		1493.5							
	STD	00700	07.34	35.03	27.42	00.817	1492.0							
	STD	00800	06.19	34.99	27.54	00.890	1489.0							
12.8	OBS	00874	05.56	34.975	27.61		1487.7							
	STD	00900	05.47	34.98	27.62	00.953	1487.8							
	STD	01000	05.13	34.99	27.66	01.010	1488.1							
	STD	01100	04.84	35.00	27.72	01.063	1488.6							
12.8	OBS	T01100	04.84	35.002	27.72		1488.6							
12.8	OBS	T01636	03.90	34.935	27.77		1493.6							

REFID 31 1414	YEAR 1969	BOTDP 04663	AIR TEMP 06.4	DIR HGT PER	WIND-DIR 32	INST NANSEN CAST	TEN SQ 1306
CONSEC 0022	MONTH C1	SHIP DG	WET BULB 06.6	25 7 4	WIND-SPO 16	TRACE DIR	5 SQUARE 1
LAT 43 38 N	DAY 07	DATA USE 1	BAROMETR 1012.9	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 041 11 W	HOUR 12.6	AREA 05	CLCUD T/A 6/6	CL/TR	WEATHER X6	ORIG 028 022	1 SQUARE 31

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SIG3	PH
12.6	STD	00000	14.28	35.82	26.78	00.000	1506.1							
	OBS	00000	14.28	35.821	26.78		1506.1							
	STD	00010	14.29	35.82	26.78	00.012	1506.3							
	STD	00020	14.30	35.82	26.77	00.045	1506.5							
12.6	OBS	00023	14.30	35.819	26.77		1506.5							
	STD	00030	14.32	35.82	26.77	00.036	1506.7							
12.6	OBS	00044	14.34	35.821	26.77		1507.0							
	STD	00050	14.33	35.83	26.77	00.064	1507.1							
12.6	OBS	00067	14.32	35.834	26.78		1507.3							
	STD	00075	14.29	35.83	26.79	00.096	1507.4							
12.6	OBS	00088	14.23	35.836	26.80		1507.4							
	STD	00100	14.10	35.82	26.82	00.126	1507.2							
	STD	00125	13.89	35.80	26.84	00.160	1506.9							
12.6	OBS	00133	13.84	35.790	26.85		1506.8							
	STD	00150	13.61	35.79	26.85	00.191	1507.0							
12.6	OBS	T00176	13.72	35.777	26.86		1507.1							
	STD	00200	13.53	35.74	26.87	00.254	1506.8							
	STD	00250	13.10	35.66	26.90	00.315	1506.1							
12.6	OBS	00266	12.95	35.636	26.91		1505.9							
	STD	00300	12.64	35.60	26.94	00.376	1505.3							
12.6	OBS	T00358	11.95	35.498	27.00		1503.8							
	STD	00400	11.25	35.39	27.05	00.452	1501.9							
12.6	OBS	00447	10.46	35.281	27.11		1499.7							
	STD	00500	09.54	35.18	27.19	00.596	1497.1							
12.6	OBS	T00542	08.85	35.109	27.25		1495.2							
	STD	00600	07.84	35.04	27.35	00.690	1492.2							
	STD	00700	06.50	34.96	27.48	00.768	1489.6							
12.6	OBS	00721	06.29	34.953	27.50		1489.1							
	STD	00800	05.87	34.97	27.57	00.836	1487.7							
	STD	00900	05.41	34.99	27.64	00.896	1487.6							
12.6	OBS	T00905	05.39	34.995	27.65		1487.6							
12.6	OBS	T01390	04.31	34.967	27.75		1491.2							

TABLE VI.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station DELTA, 16 December 1968–9 January 1969, prepared from NODC listing No. 31-1414 DG.—Continued

REFID 31 1414 YEAR 1969 BOTDP 0+663 AIR TEMP 07.6 OIR HGT PER WIND-OIR 00 INST NANSEN CAST TEN SQ 1306
 CONSEC 0023 MONTH 01 SHIP 06 WET BULB 03.6 30 3 3 WIND-SPO 00 TRACE OIR 5 SQUARE 1
 LAT 44 00 N DAY 08 OATA USE 1 BAROMETR 1009.9 SEA WIND-FOR 00 DURATION 2 SQUARE 40
 LONG 041 19 W HCUR 12.5 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 CRIG 028 023 1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIC3	PH
	STO	00000	14.61	35.88	26.75	00.000	1507.2							
12.5	OBS	00000	14.61	35.880	26.75		1507.2							
	STO	00010	14.62	35.88	26.75	00.013	1507.4							
	STO	00020	14.63	35.89	26.75	00.026	1507.6							
12.5	OBS	00023	14.63	35.887	26.75		1507.7							
	STO	00030	14.64	35.89	26.75	00.039	1507.8							
12.5	OBS	00049	14.65	35.886	26.75		1508.2							
	STO	00050	14.65	35.89	26.75	00.065	1508.2							
12.5	OBS	00072	14.63	35.890	26.76		1508.5							
	STO	00075	14.64	35.89	26.76	00.098	1508.6							
12.5	OBS	00098	14.66	35.900	26.76		1509.0							
	STO	00100	14.65	35.90	26.76	00.131	1509.0							
	STO	00125	14.48	35.86	26.77	00.164	1508.9							
12.5	OBS	00146	14.30	35.833	26.78		1508.0							
	STO	00150	14.24	35.83	26.79	00.197	1508.4							
12.5	OBS	00195	13.73	35.771	26.86		1507.4							
	STO	00200	13.72	35.77	26.86	00.261	1507.5							
	STO	00250	13.67	35.77	26.87	00.324	1508.2							
12.5	OBS	00293	13.64	35.773	26.88		1508.8							
	STO	00300	13.64	35.77	26.88	00.388	1508.9							
12.5	OBS	T00389	13.61	35.771	26.88		1510.2							
	STO	00400	13.53	35.75	26.89	00.515	1510.1							
12.5	OBS	00482	12.54	35.582	26.95		1508.0							
	STO	00500	12.16	35.52	26.98	00.640	1506.9							
12.5	OBS	T00574	10.62	35.307	27.10		1502.4							
	STO	00600	09.98	35.24	27.16	00.753	1500.5							
	STO	00700	07.93	35.06	27.35	00.849	1494.3							
12.5	OBS	00756	07.07	34.994	27.42		1491.8							
	STO	00800	06.69	34.99	27.48	00.929	1491.0							
	STO	00900	05.54	34.99	27.58	00.998	1489.7							
12.5	OBS	T00939	05.68	34.992	27.61		1489.3							
12.5	OBS	T01403	04.29	34.950	27.74		1491.3							

REFID 31 1414 YEAR 1969 BOTDP 04660 AIR TEMP 14.4 OIR HGT PER WIND-OIR 23 INST NANSEN CAST TEN SQ 1306
 CONSEC 0024 MONTH 01 SHIP 06 WET BULB 12.9 17 2 3 WIND-SPO 19 TRACE OIR 5 SQUARE 1
 LAT 43 53 N DAY 09 OATA USE 1 BAROMETR 0980.1 SEA WIND-FOR 00 DURATION 2 SQUARE 20
 LONG 040 55 W HCUR 12.3 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X6 CRIG 028 024 1 SQUARE 30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIC3	PH
	STO	00000	14.51	35.85	26.75	00.000	1506.9							
12.3	OBS	00000	14.51	35.853	26.75		1506.9							
	STO	00010	14.49	35.85	26.76	00.013	1507.0							
	STO	00020	14.48	35.85	26.76	00.026	1507.1							
12.3	OBS	00024	14.48	35.851	26.76		1507.2							
	STO	00030	14.49	35.85	26.76	00.039	1507.3							
12.3	OBS	00047	14.51	35.850	26.75		1507.6							
	STO	00050	14.50	35.85	26.75	00.065	1507.7							
12.3	OBS	00070	14.48	35.842	26.75		1507.9							
	STO	00075	14.48	35.85	26.75	00.098	1508.0							
12.3	OBS	00093	14.48	35.854	26.76		1508.3							
	STO	00100	14.48	35.85	26.76	00.131	1508.4							
	STO	00125	14.49	35.85	26.76	00.164	1508.8							
12.3	OBS	00140	14.49	35.845	26.75		1509.1							
	STO	00150	14.49	35.86	26.76	00.198	1509.3							
12.3	OBS	T00186	14.50	35.872	26.77		1509.9							
	STO	00200	14.37	35.86	26.79	00.264	1509.7							
	STO	00250	13.90	35.80	26.84	00.330	1508.9							
12.3	OBS	00279	13.61	35.760	26.87		1506.4							
	STO	00300	13.40	35.72	26.89	00.393	1508.0							
12.3	OBS	00371	12.66	35.612	26.95		1506.6							
	STO	00400	12.46	35.60	26.98	00.516	1506.4							
12.3	OBS	00466	11.63	35.500	27.07		1504.5							
	STO	00500	10.83	35.37	27.11	00.629	1502.0							
12.3	OBS	T00562	09.51	35.184	27.20		1498.1							
	STO	00600	08.82	35.14	27.27	00.729	1496.1							
	STO	00700	07.31	35.05	27.43	00.814	1491.9							
12.3	OBS	00757	06.65	35.018	27.50		1490.2							
	STO	00800	06.36	35.02	27.54	00.886	1489.8							
	STO	00900	05.77	35.03	27.63	00.949	1489.0							
12.3	OBS	T00954	05.48	35.033	27.67		1488.8							
12.3	OBS	T01453	04.09	34.957	27.76		1491.3							

TABLE VII.—Observed and interpolated oceanographic data for stations taken by USCGC McCULLOCH at Ocean Station DELTA, 15 January–22 January 1969, prepared from NODC listing No. 31-1404 ML.

REFID 31 1404	YEAR 1969	BOTOP 04663	AIR TEMP 10.0	DIR HGT PER	WIND-DIR 04	INST NANSEN CAST	TEN SQ 1306
CONSEC 00C1	MONTH 01	SHIP ML	WET BULB 07.5	03 4 2	WIND-SPD 12	TRACE DIR	5 SQUARE 1
LAT 43 53 N	DAY 15	DATA USE 1	BAROMETR 1001.6	SEA	WIND-FDR	DURATION	2 SQUARE 20
LONG 041 11 W	HOUP 19.3	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X2	GRIG D29 C01	1 SQUARE 31

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SIO3	PH
19.3	STO	00000	14.04	35.84	26.84	00.000	1505.3							
	OBS	C0C00	14.04	35.836	26.84		1505.3							
	STO	00010	14.05	35.84	26.84	00.012	1505.5							
	STO	00020	14.05	35.84	26.85	00.024	1505.7							
19.3	OBS	C0C24	14.05	35.845	26.85		1505.8							
	STO	00030	14.05	35.84	26.85	00.036	1505.9							
19.3	OBS	00048	14.04	35.837	26.84		1506.1							
	STO	00050	14.04	35.84	26.84	00.061	1506.2							
19.3	OBS	00072	14.02	35.820	26.83		1506.4							
	STO	C0C75	13.98	35.82	26.84	00.092	1506.3							
19.3	OBS	00095	13.74	35.798	26.86		1505.9							
	STO	00100	13.72	35.80	26.88	00.122	1505.9							
	STO	00125	13.64	35.78	26.89	00.152	1506.0							
19.3	OBS	00144	13.60	35.779	26.89		1506.2							
	STO	00150	13.60	35.78	26.89	00.163	1506.3							
19.3	OBS	T00193	13.58	35.775	26.89		1506.9							
	STO	00200	13.52	35.76	26.90	00.244	1506.8							
	STO	C0C250	13.12	35.70	26.92	00.305	1506.3							
19.3	OBS	00288	12.84	35.650	26.95		1505.9							
	STO	00300	12.82	35.65	26.95	00.365	1506.0							
19.3	OBS	T00385	12.19	35.560	27.01		1505.1							
	STO	00400	11.88	35.51	27.02	00.462	1504.3							
19.3	OBS	00486	10.32	35.283	27.14		1499.9							
	STO	00500	10.12	35.26	27.16	00.591	1499.4							
19.3	OBS	T00588	08.88	35.155	27.28		1496.1							
	STO	C0C600	08.08	35.14	27.30	00.667	1495.6							
	STO	00700	07.22	35.06	27.46	00.769	1491.5							
19.3	OBS	00789	06.21	35.018	27.56		1489.0							
	STO	C0C800	06.13	35.02	27.57	00.839	1488.8							
	STO	00900	05.45	35.01	27.65	00.899	1487.7							
19.3	OBS	T00994	04.93	35.001	27.71		1487.2							
19.3	OBS	T01530	04.00	34.964	27.76		1492.2							

REFID 31 1404	YEAR 1969	BOTOP 04572	AIR TEMP 08.9	DIR HGT PER	WIND-DIR 31	INST NANSEN CAST	TEN SQ 1306
CONSEC 0002	MONTH 01	SHIP ML	WET BULB 04.8	31 2 3	WIND-SPD 07	TRACE DIR	5 SQUARE 1
LAT 43 59 N	DAY 16	DATA USE 1	BAROMETR 1003.1	SEA	WIND-FDR	DURATION	2 SQUARE 20
LONG 041 25 W	HOUP 13.3	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER X1	GRIG D29 002	1 SQUARE 31

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SIO3	PH
13.3	STO	00000	14.56	35.88	26.76	00.000	1507.1							
	OBS	00000	14.56	35.877	26.76		1507.1							
	STO	C0C10	14.57	35.88	26.76	00.012	1507.3							
	STO	00020	14.57	35.88	26.76	00.023	1507.4							
13.3	OBS	00026	14.57	35.881	26.76		1507.5							
	STO	C0C30	14.57	35.88	26.76	00.038	1507.6							
	STO	00050	14.57	35.88	26.76	00.065	1507.9							
13.3	OBS	00050	14.57	35.877	26.76		1507.9							
	STO	00075	14.58	35.88	26.76	00.097	1508.4							
13.3	OBS	00076	14.58	35.877	26.76		1508.4							
	STO	C0C100	14.56	35.87	26.76	00.131	1508.7							
13.3	OBS	00100	14.56	35.873	26.76		1508.7							
	STO	00125	14.56	35.87	26.76	00.164	1509.1							
	STO	00150	14.56	35.87	26.76	00.197	1509.5							
13.3	OBS	00152	14.56	35.875	26.76		1509.6							
	STO	C0C200	14.12	35.84	26.83	00.263	1508.9							
13.3	OBS	T00202	14.10	35.834	26.83		1508.8							
	STO	C0C250	13.59	35.76	26.88	00.327	1507.9							
	STO	C0C300	13.11	35.69	26.92	00.389	1507.0							
13.3	OBS	00305	13.06	35.680	26.93		1506.9							
	STO	00400	12.33	35.57	26.98	00.509	1505.9							
13.3	OBS	T004C4	12.28	35.562	26.99		1505.8							
	STO	00500	10.59	35.32	27.12	00.622	1501.1							
13.3	OBS	C0C510	10.40	35.300	27.14		1500.6							
	STO	00600	08.49	35.11	27.30	00.720	1494.8							
13.3	OBS	T00612	08.28	35.092	27.32		1494.2							
	STO	C0C700	07.22	35.07	27.46	00.802	1491.5							
	STO	00800	06.23	35.05	27.58	00.871	1489.3							
13.3	OBS	00819	06.07	35.043	27.60		1488.9							
	STO	C0C900	05.53	35.02	27.65	00.921	1488.1							
	STO	01000	04.98	35.00	27.70	00.986	1487.4							
13.3	OBS	T01028	04.84	34.992	27.71		1487.3							
13.3	OBS	T01563	03.96	34.945	27.77		1492.6							

TABLE VII.—Observed and interpolated oceanographic data for stations taken by USCGC McCULLOCH at Ocean Station DELTA, 15 January–22 January 1969, prepared from NODC listing No. 31-1404 ML.—Continued

REFID	31	1404	YEAR	1969	BOTDP	04572	AIR TEMP	10.2	DIR HGT PER	WIND-DIR	06	INST NANSEN CAST	TEN SQ	1306
CONSEC		0003	MONTH	01	SHIP ML		WET BULB	07.9	07 4 2	WIND-SPD	15	TRACE DIR	5 SQUARE	1
LAT	43	59 N	OAY	17	DATA USE	1	BAROMETR	0996.9	SEA	WIND-FOR		DURATION	2 SQUARE	20
LONG	041	03 W	HOUR	12.9	AREA	05	CLOUD T/A	0/6	CL/TR	WEATHER	X6	DRIG 029 003	1 SQUARE	31

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DXYG	P34	TOT P	NO2	NO3	SIO3	PH
	STD	00000	15.50	36.04	26.68	00.000	1510.2							
12.9	OBS	00000	15.50	36.039	26.68		1510.2							
	STD	00010	15.51	36.04	26.68	00.013	1510.4							
	STD	00020	15.52	36.04	26.67	00.027	1510.6							
12.9	OBS	00025	15.52	36.035	26.67		1510.7							
	STD	00030	15.51	36.03	26.67	00.041	1510.8							
12.9	OBS	00049	15.48	36.029	26.67		1511.0							
	STD	00050	15.47	36.03	26.68	00.069	1511.0							
12.9	OBS	00074	15.25	36.029	26.73		1510.7							
	STD	00075	15.24	36.03	26.73	00.103	1510.6							
12.9	OBS	00098	15.02	36.026	26.78		1510.3							
	STD	00100	15.00	36.03	26.76	00.126	1510.3							
	STD	00125	14.77	36.02	26.82	00.128	1510.0							
12.9	OBS	00148	14.56	36.015	26.87		1509.7							
	STD	00150	14.54	36.02	26.87	00.200	1509.6							
12.9	OBS	00197	14.11	36.024	26.97		1509.0							
	STD	00200	14.08	36.02	26.98	00.259	1509.0							
	STD	00250	13.62	36.00	27.06	00.315	1508.3							
12.9	OBS	00293	13.21	35.976	27.12		1507.6							
	STD	00300	13.17	35.97	27.13	00.368	1507.6							
12.9	OBS	T00388	12.30	35.925	27.27		1506.0							
	STD	00400	12.08	35.86	27.22	00.466	1505.4							
12.9	OBS	00486	10.44											
	STD	CC5C0	10.11	35.38	27.25	00.560	1499.3							
12.9	OBS	T00585	08.36	35.124	27.34		1494.1							
	STD	00600	08.13	35.11	27.36	00.648	1493.4							
	STD	CC7C0	06.80	35.04	27.30	00.725	1489.8							
12.9	OBS	00765	06.10	35.014	27.57		1488.1							
	STD	00800	05.82	35.01	27.60	00.791	1487.6							
	STD	00900	05.13	35.00	27.68	00.847	1486.4							
12.9	OBS	T00944	04.88	34.994	27.71		1486.1							
12.9	OBS	C1414	04.15	34.945	27.75		1490.9							

REFID	31	1404	YEAR	1969	BOTDP	04755	AIR TEMP	10.3	DIR HGT PER	WIND-DIR	18	INST NANSEN CAST	TEN SQ	1306
CONSEC		0004	MONTH	01	SHIP ML		WET BULB	10.0	19 6 2	WIND-SPD	34	TRACE DIR	5 SQUARE	1
LAT	44	07 N	DAY	20	DATA USE	1	BAROMETR	0990.2	SEA	WIND-FOR		DURATION	2 SQUARE	40
LONG	040	57 W	HOUR	16.6	AREA	05	CLOUD T/A	7/6	CL/TR	WEATHER	X6	DRIG 029 004	1 SQUARE	40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DXYG	P34	TOT P	NO2	NO3	SIO3	PH
	STD	00000	14.03	35.89	26.89	00.000	1505.4							
16.6	OBS	00000	14.03	35.890	26.89		1505.4							
	STD	00010	14.04	35.89	26.88	00.011	1505.6							
	STD	00020	14.04	35.89	26.88	00.023	1505.7							
16.6	OBS	00020	14.04	35.886	26.88		1505.7							
	STD	00030	14.02	35.88	26.88	00.035	1505.8							
16.6	OBS	CC037	14.02	35.874	26.88		1505.9							
	STD	00050	14.05	35.88	26.87	00.059	1506.2							
16.6	OBS	00055	14.05	35.876	26.87		1506.3							
16.6	OBS	00072	14.04	35.859	26.86		1506.6							
	STD	00075	14.04	35.86	26.86	00.089	1506.6							
	STD	00100	14.04	35.87	26.86	00.120	1507.0							
16.6	OBS	00105	14.04	35.866	26.87		1507.1							
	STD	00125	14.05	35.86	26.86	00.151	1507.4							
16.6	OBS	T00139	14.05	35.862	26.86		1507.7							
	STD	00150	13.99	35.85	26.86	00.162	1507.7							
	STD	00200	13.76	35.79	26.86	00.244	1507.6							
16.6	OBS	00209	13.72	35.777	26.86		1507.7							
	STD	00250	13.61	35.74	26.86	00.307	1507.9							
16.6	OBS	TCC274	13.53	35.724	26.86		1506.0							
	STD	00300	13.50	35.72	26.86	00.371	1508.3							
16.6	OBS	00344	13.24	35.706	26.91		1508.2							
	STD	00400	12.52	35.60	26.97	00.455	1506.6							
16.6	OBS	T00414	12.32	35.574	26.99		1506.1							
	STD	CC5C0	10.86	35.37	27.10	CC.609	1502.2							
16.6	OBS	00555	09.95	35.263	27.18		1499.7							
	STD	00600	09.15	35.20	27.27	00.710	1497.4							
	STD	00700	07.60	35.09	27.43	00.796	1493.0							
16.6	OBS	T00707	07.50	35.086	27.44		1492.8							
16.6	OBS	T01167	04.59	34.988	27.73		1488.6							

TABLE VII.—Observed and interpolated oceanographic data for stations taken by USCGC McCULLOCH at Ocean Station DELTA, 15 January–22 January 1969, prepared from NODC listing No. 31-1404 ML.—Continued

REFID 31 1404 YEAR 1969 BOTOP 04663 AIR TEMP 05.0 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1306
 CONSEC 0005 MONTH 01 SHIP ML WET BULB 04.0 24 9 5 WIND-SPD 08 TRACE DIR 5 SQUARE 1
 LAT 44 11 N DAY 21 DATA USE 1 BARMETR 0960.0 SEA WIND-FDR 0URATION 2 SQUARE 40
 LONG 041 25 W HOUR 18.6 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X7 DRIG D29 005 1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
18.6	STO	00000	14.50	35.93	26.81	00.000	1506.9							
	OBS	00000	14.50	35.929	26.81		1506.9							
	STO	00010	14.52	35.93	26.81	00.012	1507.2							
	STO	00020	14.53	35.93	26.81	00.024	1507.4							
18.6	OBS	00025	14.53	35.933	26.81		1507.5							
	STO	00030	14.53	35.93	26.81	00.037	1507.5							
	STO	00050	14.52	35.93	26.81	00.062	1507.8							
18.6	OBS	00050	14.52	35.933	26.81		1507.8							
	STO	00075	14.54	35.93	26.81	00.094	1508.3							
18.6	OBS	00075	14.54	35.931	26.81		1508.3							
	STO	00100	14.53	35.93	26.81	00.126	1508.7							
18.6	OBS	00100	14.53	35.935	26.81		1508.7							
	STO	00125	14.54	35.93	26.81	00.158	1509.1							
	STO	00150	14.55	35.93	26.81	00.190	1509.6							
18.6	OBS	00151	14.55	35.935	26.81		1509.6							
	STO	00200	14.46	35.92	26.81	00.255	1510.1							
18.6	OBS	T00200	14.46	35.917	26.61		1510.1							
	STO	00250	14.02	35.85	26.85	00.319	1509.4							
	STO	00300	13.61	35.78	26.89	00.383	1508.8							
18.6	OBS	00301	13.60	35.779	26.89		1508.8							
18.6	OBS	T00399	12.88	35.661	26.95		1507.8							
	STO	00400	12.87	35.66	26.95	00.507	1507.8							
	STO	00500	12.24	35.52	26.97	00.630	1507.1							
18.6	OBS	00501	12.23	35.519	26.97		1507.1							
	STO	00600	08.88	35.17	27.29	00.736	1496.3							
18.6	OBS	T00600	08.88	35.171	27.29		1496.3							
	STO	00700	07.53	35.11	27.45	00.820	1492.6							
	STO	00800	06.44	35.06	27.56	00.891	1490.1							
18.6	OBS	00804	06.40	35.059	27.57		1490.0							
	STO	00900	05.68	35.04	27.65	00.952	1488.7							
	STO	01000	05.06	35.02	27.71	01.007	1487.8							
18.6	OBS	T01007	05.02	35.020	27.71		1487.8							
18.6	OBS	T01544	04.00	34.959	27.78		1492.5							

REFID 31 1404 YEAR 1969 BOTOP 04663 AIR TEMP 09.5 DIR HGT PER WIND-DIR 34 INST NANSEN CAST TEN SQ 1306
 CONSEC 0006 MONTH 01 SHIP ML WET BULB 07.2 25 7 6 WIND-SPD 22 TRACE DIR 5 SQUARE 1
 LAT 44 10 N DAY 22 DATA USE 1 BARMETR 0985.5 SEA WIND-FDR 0URATION 2 SQUARE 40
 LONG 041 30 W HOUR 12.6 AREA 05 CLOUD T/A 6/4 CL/TR WEATHER X1 DRIG D29 006 1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.6	STO	00000	14.98	36.05	26.81	00.000	1508.6							
	OBS	00000	14.98	36.053	26.81		1508.6							
	STO	00010	14.97	36.05	26.80	00.012	1508.8							
	STO	00020	14.97	36.04	26.80	00.025	1508.9							
12.6	OBS	00020	14.97	36.043	26.80		1508.9							
	STO	00030	14.97	36.04	26.79	00.037	1509.1							
12.6	OBS	00039	14.97	36.031	26.79		1509.2							
	STO	00050	14.98	36.03	26.79	00.063	1509.4							
12.6	OBS	00055	14.98	36.027	26.79		1509.6							
	STO	00075	14.98	36.04	26.80	00.095	1509.8							
12.6	OBS	00078	14.98	36.043	26.80		1509.9							
	STO	00100	14.99	36.04	26.79	00.127	1510.3							
12.6	OBS	00118	15.00	36.035	26.79		1510.6							
	STO	00125	15.00	36.04	26.79	00.160	1510.7							
	STO	00150	15.00	36.06	26.80	00.192	1511.1							
12.6	OBS	T00157	15.00	36.057	26.80		1511.3							
	STO	00200	14.78	35.99	26.80	00.258	1511.2							
12.6	OBS	00236	14.55	35.940	26.81		1511.0							
	STO	00250	14.46	35.93	26.82	00.323	1510.9							
	STO	00300	14.06	35.88	26.87	00.388	1510.4							
12.6	OBS	T00310	13.96	35.865	26.88		1510.2							
	STO	00400	12.82	35.67	26.96	00.512	1507.7							
12.6	OBS	T00471	11.77	35.519	27.05		1505.1							
	STO	00500	11.24	35.45	27.10	00.627	1503.6							
	STO	00600	09.47	35.25	27.26	00.730	1498.6							
12.6	OBS	00630	08.95	35.204	27.31		1497.1							
	STO	00700	07.66	35.12	27.44	00.816	1493.3							
12.6	OBS	T00786	06.35	35.031	27.55		1489.5							
12.6	OBS	T01242	04.52	35.008	27.76		1489.6							

TABLE VIII.—Observed and interpolated oceanographic data for stations taken by USCGC DUANE at Ocean Station DELTA, 2 February–23 February 1969, prepared from NODC listing No. 31–1425 DU.

REFID 31 1425	YEAR 1969	BOTOP 05053	AIR TEMP 14.4	DIR HGT PER	WIND-DIR 11	INST NANSEN CAST	TEN SQ 1306
CONSEC 0001	MONTH 02	SHIP 00	WET BULB 12.0	11 5 3	WIND-SPD 20	TRACE DIR	5 SQUARE 1
LAT 44 09 N	OAY 02	DATA USE 1	BAROMETR 1011.0	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 041 11 W	HOUR 12.5	AREA 05	CLDUO T/A 6/7	CL/TR	WEATHER X1	ORIG D30 001	1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.5	STO	00000	14.32	35.91	26.84	00.000	1506.3							
	OBS	00000	14.32	35.908	26.84		1506.3							
	STO	00010	14.32	35.91	26.84	00.012	1506.5							
	STO	00020	14.33	35.91	26.83	00.024	1506.7							
12.5	OBS	00027	14.33	35.905	26.83		1506.8							
	STO	00030	14.34	35.91	26.83	00.036	1506.9							
	STO	00050	14.37	35.91	26.83	00.061	1507.3							
12.5	OBS	00052	14.37	35.909	26.82		1507.4							
	STO	00075	14.33	35.91	26.83	00.092	1507.6							
12.5	OBS	00078	14.33	35.906	26.83		1507.6							
	STO	00100	14.32	35.91	26.84	00.124	1508.0							
12.5	OBS	00103	14.32	35.911	26.84		1508.0							
	STO	00125	14.28	35.91	26.84	00.155	1508.3							
	STO	00150	14.24	35.89	26.84	00.166	1508.5							
12.5	OBS	00153	14.24	35.884	26.84		1508.6							
	STO	00200	13.75	35.79	26.87	00.249	1507.6							
12.5	OBS	T00203	13.72	35.787	26.87		1507.6							
	STO	00250	13.47	35.72	26.87	00.312	1507.4							
	STO	00300	13.12	35.65	26.85	00.375	1507.0							
12.5	OBS	00302	13.10	35.646	26.85		1507.0							
12.5	OBS	00398	12.16	35.540	27.00		1505.2							
	STO	00400	12.11	35.53	27.00	00.490	1505.1							
12.5	OBS	00495	09.97	35.242	27.17		1496.7							
	STO	00500*	09.86	35.23	27.16	00.605	1496.4							
12.5	OBS	T00587	08.11	35.084	27.34		1493.1							
	STO	00600	07.90	35.07	27.37	00.657	1492.5							
	STO	00700	06.53	35.02	27.52	00.772	1488.7							
12.5	OBS	C0777	05.77	34.991	27.60		1487.0							
	STO	00800	05.67	34.99	27.61	00.836	1486.9							
	STO	00900	05.27	34.99	27.60	00.854	1487.0							
12.5	OBS	T00970	05.02	34.950	27.69		1487.1							
12.5	OBS	T01482	03.95	34.950	27.77		1491.2							

REFID 31 1425	YEAR 1969	BOTOP 04868	AIR TEMP 14.4	DIR HGT PER	WIND-DIR 11	INST NANSEN CAST	TEN SQ 1306
CONSEC 0002	MONTH 02	SHIP 00	WET BULB 12.9	11 2 2	WIND-SPD 15	TRACE DIR	5 SQUARE 1
LAT 43 58 N	OAY 03	DATA USE 1	BAROMETR 1008.2	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 041 05 W	HOUR 11.9	AREA 05	CLDUO T/A 8/7	CL/TR	WEATHER X1	ORIG D30 002	1 SQUARE 31

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
11.9	STO	00000	14.47	35.95	26.84	00.000	1506.9							
	OBS	00000	14.47	35.949	26.84		1506.9							
	STO	00010	14.47	35.94	26.83	00.012	1507.0							
	STO	00020	14.46	35.93	26.82	00.024	1507.1							
11.9	OBS	00022	14.46	35.930	26.82		1507.2							
	STO	00030	14.49	35.94	26.83	00.037	1507.4							
11.9	OBS	00044	14.51	35.948	26.83		1507.7							
	STO	00050	14.50	35.95	26.83	00.061	1507.8							
11.9	OBS	00066	14.49	35.942	26.83		1508.0							
	STO	00075	14.49	35.94	26.83	00.093	1508.2							
11.9	OBS	00089	14.49	35.945	26.83		1508.4							
	STO	00100	14.49	35.95	26.83	00.124	1508.6							
	STO	00125	14.50	35.95	26.83	00.156	1509.0							
11.9	OBS	00132	14.50	35.950	26.83		1509.1							
	STO	00150	14.50	35.95	26.83	00.187	1509.4							
11.9	OBS	T00174	14.49	35.952	26.83		1509.8							
	STO	00200	14.27	35.89	26.84	00.251	1509.4							
	STO	00250	13.77	35.79	26.86	00.315	1508.5							
11.9	OBS	00263	13.62	35.759	26.87		1508.2							
	STO	00300	13.21	35.70	26.91	00.378	1507.4							
11.9	OBS	T00351	12.46	35.589	26.97		1505.5							
	STO	00400	11.50	35.43	27.04	00.496	1502.9							
11.9	OBS	00436	10.76	35.327	27.09		1500.7							
	STO	00500	09.30	35.17	27.22	00.601	1496.3							
11.9	OBS	T00517	08.96	35.137	27.25		1495.2							
	STO	00600	07.70	35.06	27.39	00.689	1491.7							
11.9	OBS	00694	06.54	35.008	27.51		1488.7							
	STO	00700	06.48	35.01	27.52	00.763	1486.6							
	STO	00800	05.64	35.00	27.62	00.827	1486.8							
11.9	OBS	T00859	05.22	35.000	27.67		1486.1							
11.9	OBS	T01308	03.98	34.935	27.76		1488.4							

TABLE VIII.—Observed and interpolated oceanographic data for stations taken by USCGC DUANE at Ocean Station DELTA, 2 February–23 February 1969, prepared from NODC listing No. 31-1425 DU.—Continued

REFID	31	1425	YEAR	1969	BCTDP	04572	AIR TEMP	15.2	DIF HGT	PEP	WIND-DIR	16	INST NANSEN	CAST	TEN SQ	1306	
CONSEC	0003		MONTH	02	SHIP DU		WET BULB	12.2	10	2	3	WIND-SFD	03	TRACE DIR		5	SQUARE 1
LAT	44	03	N	DAY	06	DATA USE	1	BAROMETR	1009.2	SEA	WIND-FOR		DURATION		2	SQUARE 40	
LONG	040	37	W	HOUR	12.3	AREA	05	CLOUD T/A	8/2	CL/TR	WEATHER	x1	DRIG D3C	003	1	SQUARE 40	

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PC4	TOT P	ND2	NO3	S103	PH
	STD	00000	14.43	35.94	26.84	00.000	1506.7							
12.3	08S	00000	14.43	35.940	26.84		1506.7							
	STD	00010	14.40	35.93	26.84	00.012	1506.8							
	STD	00020	14.38	35.92	26.84	00.024	1506.9							
12.3	08S	00025	14.36	35.921	26.83		1507.0							
	STD	00030	14.39	35.92	26.83	00.036	1507.1							
	STD	00050	14.42	35.92	26.83	00.061	1507.5							
12.3	08S	00051	14.42	35.923	26.83		1507.5							
	STD	00075	14.41	35.92	26.83	00.092	1507.9							
12.3	08S	00076	14.41	35.924	26.83		1507.9							
	STD	00100	14.41	35.92	26.83	00.124	1508.3							
12.3	08S	00102	14.41	35.922	26.83		1508.3							
	STD	00125	14.40	35.92	26.83	00.155	1508.7							
	STD	00150	14.39	35.92	26.83	00.167	1509.0							
12.3	08S	00152	14.39	35.918	26.83		1509.1							
	STD	00200	13.99	35.84	26.86	00.250	1508.5							
12.3	08S	T00203	13.97	35.840	26.86		1508.7							
	STD	00250	13.81	35.83	26.89	00.313	1508.7							
	STD	00300	13.56	35.79	26.91	00.375	1508.6							
12.3	08S	00303	13.54	35.792	26.91		1508.6							
	STD	00400	12.85	35.65	26.95	00.458	1507.7							
12.3	08S	T00402	12.82	35.647	26.95		1507.7							
	STD	00500	10.51	35.31	27.13	00.613	1500.8							
12.3	08S	00504	10.43	35.302	27.13		1500.6							
	STD	00600	08.87	35.16	27.29	00.712	1496.3							
12.3	08S	00604	08.81	35.157	27.29		1496.1							
	STD	00700	07.54	35.12	27.46	00.795	1492.8							
	STD	00800	06.45	35.08	27.58	00.865	1490.2							
12.3	08S	00804	06.41	35.079	27.56		1490.1							
	STD	00900	05.63	35.02	27.63	00.926	1488.5							
	STD	01000	04.97	34.97	27.68	00.983	1487.4							
12.3	08S	T01002	04.96	34.972	27.68		1487.4							
12.3	08S	T01490	04.12	35.083	27.86		1492.2							

REFID	31	1425	YEAR	1969	BCTDP	04666	AIR TEMP	11.0	DIF HGT	PEP	WIND-DIR	27	INST NANSEN	CAST	TEN SQ	1306	
CONSEC	0004		MONTH	02	SHIP DU		WET BULB	06.8	27	4	3	WIND-SFD	06	TRACE DIR		5	SQUARE 1
LAT	43	55	N	DAY	07	DATA USE	1	BAROMETR	1022.6	SEA	WIND-FOR		DURATION		2	SQUARE 20	
LONG	041	00	W	HOUR	19.6	AREA	05	CLOUD T/A	8/2	CL/TR	WEATHER	x1	DRIG D3C	004	1	SQUARE 31	

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PC4	TOT P	ND2	NO3	S103	PH
	STD	00000	14.07	35.63	26.83	00.000	1505.4							
19.6	08S	00000	14.07	35.634	26.83		1505.4							
	STD	00010	14.05	35.63	26.83	00.012	1505.6							
	STD	00020	14.09	35.63	26.83	00.024	1505.8							
19.6	08S	00024	14.09	35.634	26.83		1505.9							
	STD	00030	14.08	35.63	26.83	00.036	1506.0							
19.6	08S	00048	14.04	35.629	26.84		1506.1							
	STD	00050	14.03	35.63	26.84	00.061	1506.1							
19.6	08S	00073	13.92	35.621	26.86		1506.1							
	STD	00075	13.92	35.62	26.86	00.092	1506.2							
19.6	08S	00097	13.88	35.611	26.86		1506.4							
	STD	00100	13.87	35.61	26.86	00.123	1506.4							
	STD	00125	13.78	35.61	26.88	00.153	1506.5							
19.6	08S	00146	13.70	35.606	26.89		1506.6							
	STD	00150	13.69	35.61	26.89	00.184	1506.6							
19.6	08S	00195	13.50	35.771	26.91		1506.7							
	STD	00200	13.47	35.76	26.91	00.244	1506.7							
	STD	00250	13.03	35.68	26.95	00.305	1505.9							
19.6	08S	00291	12.54	35.606	26.97		1504.9							
	STD	00300	12.39	35.58	26.98	00.364	1504.5							
19.6	08S	T00391	10.84	35.365	27.11		1500.5							
	STD	00400	10.67	35.34	27.12	00.474	1499.8							
19.6	08S	00489	09.05	35.169	27.26		1495.1							
	STD	00500	08.85	35.15	27.28	00.571	1494.6							
19.6	08S	T00589	07.44	35.064	27.43		1490.5							
	STD	00600	07.30	35.06	27.44	00.654	1490.2							
	STD	00700	06.19	35.04	27.58	00.722	1487.4							
19.6	08S	00787	05.45	35.016	27.66		1485.9							
	STD	00800	05.38	35.01	27.66	00.760	1485.8							
	STD	00900	04.87	34.98	27.70	00.833	1485.3							
19.6	08S	00985	04.52	34.961	27.72		1485.3							
19.6	08S	T01478	03.63	34.939	27.78		1490.6							

TABLE VIII.—Observed and interpolated oceanographic data for stations taken by USCGC DUANE at Ocean Station DELTA, 2 February–23 February 1969, prepared from NODC listing No. 31-1425 DU.—Continued

REFID	31	1425	YEAR	1969	BOTOP	04721	AIR TEMP	10.9	OIR HGT PER	WIND-OIR	35	INST NANSEN CAST	TEN SQ	1306			
CONSEC	0005	MONTH	02	SHIP	OU	WET BULB	06.5	35	3	2	WIND-SPO	10	TRACE OIR	5 SQUARE	1		
LAT	44	00	N	DAY	10	DATA USE	1	BAROMETR	1028.0	SEA	WIND-FCR	DURATION	2 SQUARE	40			
LONG	040	51	W	HOUR	12.0	AREA	05	CLOUD T/A	6/7	CL/TR	WEATHEP	X1	ORIG	030	005	1 SQUARE	40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
12.0	STO	00000	14.81	35.97	26.78	00.000	1508.0							
	OBS	00000	14.81	35.970	26.78		1508.0							
	STO	00010	14.80	35.97	26.78	00.012	1508.1							
	STO	00020	14.80	35.97	26.78	00.025	1508.3							
12.0	OBS	00026	14.80	35.969	26.78		1508.4							
	STO	00030	14.80	35.97	26.78	00.036	1508.5							
	STO	00050	14.81	35.97	26.78	00.064	1508.8							
12.0	OBS	00051	14.81	35.970	26.78		1508.8							
	STO	00075	14.80	35.97	26.78	00.096	1509.2							
12.0	OBS	00077	14.80	35.971	26.78		1509.2							
	STO	00100	14.79	35.97	26.78	00.129	1509.6							
12.0	OBS	00102	14.78	35.968	26.78		1509.6							
	STO	00125	14.32	35.90	26.83	00.161	1508.4							
	STO	00150	13.98	35.84	26.86	00.192	1507.6							
12.0	OBS	00154	13.94	35.839	26.87		1507.5							
	STO	00200	13.84	35.84	26.85	00.254	1508.0							
12.0	OBS	T00205	13.81	35.836	26.89		1506.0							
	STO	00250	13.40	35.74	26.90	00.316	1507.2							
	STO	00300	12.79	35.63	26.94	00.376	1505.9							
12.0	OBS	00307	12.69	35.618	26.95		1505.6							
	STO	00400	11.04	35.38	27.09	00.490	1501.2							
12.0	OBS	T00406	10.94	35.371	27.09		1500.9							
	STO	00500	09.41	35.20	27.22	00.593	1496.7							
12.0	OBS	C0508	09.29	35.185	27.24		1496.4							
	STO	00600	07.98	35.10	27.38	00.681	1492.9							
12.0	OBS	T00610	07.85	35.097	27.39		1492.5							
	STO	00700	06.64	35.03	27.51	00.757	1489.2							
12.0	OBS	00799	05.69	34.992	27.61		1487.0							
	STO	C0800	05.69	34.99	27.61	00.821	1487.0							
	STO	00900	05.26	35.01	27.67	00.878	1487.0							
12.0	OBS	T00973	04.99	35.013	27.71		1487.1							
12.0	OBS	T01444	03.94	34.996	27.61		1490.6							

REFID	31	1425	YEAR	1969	BOTOP	04667	AIR TEMP	14.2	OIR HGT PER	WIND-OIR	11	INST NANSEN CAST	TEN SQ	1306			
CONSEC	0006	MONTH	02	SHIP	OU	WET BULB	12.3	11	5	2	WIND-SPO	15	TRACE OIR	5 SQUARE	1		
LAT	44	10	N	DAY	13	DATA USE	1	BAROMETR	1028.6	SEA	WIND-FCR	DURATION	2 SQUARE	40			
LONG	041	10	W	HOUR	12.0	AREA	05	CLOUD T/A	8/3	CL/TR	WEATHEP	X1	ORIG	030	006	1 SQUARE	41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
12.0	STO	00000	14.63	35.96	26.81	00.000	1507.4							
	OBS	00000	14.63	35.964	26.81		1507.4							
	STO	00010	14.63	35.96	26.81	00.012	1507.6							
	STO	00020	14.62	35.96	26.81	00.024	1507.7							
12.0	OBS	00024	14.62	35.963	26.81		1507.8							
	STO	00030	14.65	35.96	26.81	00.037	1507.9							
12.0	OBS	00047	14.69	35.966	26.80		1508.4							
	STO	00050	14.69	35.97	26.80	00.062	1508.4							
12.0	OBS	00069	14.67	35.968	26.81		1508.7							
	STO	00075	14.66	35.97	26.81	00.094	1508.7							
12.0	OBS	00091	14.61	35.965	26.82		1508.8							
	STO	00100	14.51	35.94	26.82	00.126	1508.6							
	STO	00125	14.27	35.90	26.84	00.157	1508.2							
12.0	OBS	00136	14.18	35.881	26.85		1508.1							
	STO	00150	14.11	35.87	26.85	00.189	1508.1							
12.0	OBS	T00180	13.91	35.841	26.87		1507.9							
	STO	00200	13.73	35.80	26.88	00.251	1507.6							
	STO	00250	13.18	35.70	26.92	00.312	1506.4							
12.0	OBS	00267	12.96	35.667	26.94		1505.9							
	STO	00300	12.46	35.59	26.98	00.371	1504.7							
12.0	OBS	T00351	11.64	35.470	27.04		1502.6							
	STO	00400	10.81	35.34	27.10	00.483	1500.3							
12.0	OBS	00440	10.09	35.258	27.16		1498.3							
	STO	00500	08.92	35.15	27.27	00.582	1494.8							
12.0	OBS	T00522	08.53	35.123	27.31		1493.7							
	STO	00600	07.36	35.06	27.44	00.666	1490.4							
12.0	OBS	00687	06.30	35.013	27.54		1487.6							
	STO	00700	06.18	35.01	27.56	00.735	1487.3							
	STO	00800	05.35	34.98	27.64	00.796	1485.6							
12.0	OBS	C0858	04.96	34.963	27.67		1485.0							
12.0	OBS	T01325	04.16	34.960	27.76		1489.5							

TABLE VIII.—Observed and interpolated oceanographic data for stations taken by USCGC DUANE at Ocean Station DELTA, 2 February–23 February 1969, prepared from NODC listing No. 31–1425 DU.—Continued

REFID	31	1425	YEAR	1969	BOTOP	04572	AIP TEMP	14.6	OIP HGT	PER	WIND-DIR	11	INST NANSEN	CAST	TEN SQ	1306
CONSEC		0007	MONTH	02	SHIP	DU	WET BULB	11.6		11 4 3	WIND-SPO	21	TRACE DIR		5 SQUARE	1
LAT	44	14	N	DAY	14	DATA USE	1	BAROMETR	1028.0	SEA	WIND-FGR		DURATION		2 SQUARE	40
LONG	041	08	W	HOUR	13.5	AREA	05	CLOUD T/A	6/6	CL/TR	WEATHER	X1	CRIG 030 007		1 SQUARE	41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	14.14	35.87	26.84	00.000	1505.7							
13.5	OBS	00000	14.14	35.867	26.84		1505.7							
	STO	00010	14.14	35.87	26.85	00.012	1505.9							
	STO	00020	14.13	35.87	26.85	00.024	1506.0							
13.5	OBS	00021	14.13	35.875	26.85		1506.0							
	STO	00030	14.16	35.88	26.85	00.036	1506.3							
13.5	OBS	00045	14.18	35.880	26.85		1506.6							
	STO	00050	14.17	35.88	26.85	00.060	1506.6							
13.5	OBS	00070	14.12	35.884	26.86		1506.8							
	STO	00075	14.11	35.88	26.86	00.091	1506.9							
13.5	OBS	00094	14.07	35.883	26.87		1507.0							
	STO	00100	14.06	35.88	26.87	00.121	1507.1							
	STO	00125	13.98	35.85	26.87	00.152	1507.2							
13.5	OBS	00148	13.88	35.829	26.87		1507.2							
	STO	00150	13.87	35.83	26.87	00.183	1507.2							
13.5	OBS	T00190	13.61	35.784	26.89		1507.0							
	STO	00200	13.57	35.78	26.90	00.244	1507.0							
	STO	00250	13.38	35.76	26.92	00.305	1507.2							
13.5	OBS	00282	13.25	35.741	26.93		1507.3							
	STO	00300	13.04	35.70	26.95	00.366	1506.8							
13.5	OBS	T00365	12.15	35.547	27.00		1504.7							
	STO	00400	11.59	35.46	27.04	00.482	1503.2							
13.5	OBS	00443	10.86	35.354	27.10		1501.2							
	STO	00500	09.82	35.23	27.18	00.589	1498.2							
13.5	OBS	T00531	09.27	35.168	27.23		1496.6							
	STO	00600	07.98	35.08	27.36	00.681	1492.8							
	STO	00700	06.56	34.95	27.49	00.758	1488.8							
13.5	OBS	00701	06.55	34.989	27.49		1488.8							
	STO	00800	05.86	34.98	27.57	00.825	1487.7							
13.5	OBS	T00895	05.31	34.966	27.63		1487.0							
13.5	OBS	T01418	04.06	34.941	27.75		1490.6							

REFID	31	1425	YEAR	1969	BOTOP	04572	AIP TEMP	14.8	OIP HGT	PER	WIND-DIR	11	INST NANSEN	CAST	TEN SQ	1306
CONSEC		0008	MONTH	02	SHIP	DU	WET BULB	11.5		11 4 2	WIND-SPO	19	TRACE DIR		5 SQUARE	1
LAT	44	06	N	DAY	15	DATA USE	1	BAROMETR	1020.9	SEA	WIND-FGR		DURATION		2 SQUARE	40
LONG	041	07	W	HOUR	12.3	AREA	05	CLOUD T/A	8/5	CL/TR	WEATHER	X1	CRIG 030 008		1 SQUARE	41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	14.71	36.01	26.83	00.000	1507.7							
12.3	OBS	00000	14.71	36.008	26.83		1507.7							
	STO	00010	14.71	36.01	26.83	00.012	1507.9							
	STO	00020	14.71	36.01	26.83	00.024	1508.0							
12.3	OBS	00025	14.71	36.013	26.83		1508.1							
	STO	00030	14.72	36.01	26.83	00.036	1508.2							
	STO	00050	14.75	36.01	26.82	00.061	1508.7							
12.3	OBS	00050	14.75	36.007	26.82		1508.7							
12.3	OBS	00073	14.74	36.002	26.82		1509.0							
	STO	00075	14.73	36.00	26.82	00.093	1509.0							
12.3	OBS	00097	14.59	35.970	26.83		1508.9							
	STO	00100	14.54	35.96	26.83	00.124	1506.7							
	STO	00125	14.17	35.89	26.85	00.156	1507.9							
12.3	OBS	00146	13.94	35.849	26.87		1507.4							
	STO	00150	13.92	35.85	26.88	00.186	1507.4							
12.3	OBS	T00190	13.66	35.831	26.92		1507.2							
	STO	00200	13.60	35.81	26.92	00.247	1507.2							
	STO	00250	13.21	35.73	26.93	00.307	1506.6							
12.3	OBS	00292	12.75	35.646	26.96		1505.6							
	STO	00300	12.64	35.63	26.97	00.367	1505.4							
12.3	OBS	T00394	11.16	35.415	27.09		1501.5							
	STO	00400	11.03	35.40	27.10	00.479	1501.1							
12.3	OBS	00485	09.33	35.185	27.23		1496.1							
	STO	00500	09.05	35.16	27.26	00.579	1495.3							
12.3	OBS	00579	07.78	35.086	27.39		1491.7							
	STO	00600	67.54	35.09	27.43	00.663	1491.2							
	STO	00700	06.54	35.09	27.57	00.733	1488.9							
12.3	OBS	00759	06.04	35.090	27.64		1487.9							
	STO	00800	05.75	35.07	27.66	00.792	1487.4							
	STO	00900	05.14	35.01	27.69	00.846	1486.5							
12.3	OBS	T00945	04.90	34.995	27.70		1486.2							
12.3	OBS	T01473	03.89	34.949	27.78		1490.8							

TABLE VIII.—Observed and interpolated oceanographic data for stations taken by USCGC DUANE at Ocean Station DELTA, 2 February–23 February 1969, prepared from NODC listing No. 31-1425 DU.—Continued

REFID 31 1425	YEAR 1969	BOTDP 04572	AIR TEMP 12.6	DIF HGT PER	WIND-DIR 06	INST NANSEN CAST	TEN SQ 1306
CONSEC 0009	MONTH 02	SHIP 00	WET BULB 09.0	06 6 2	WIND-SFD 20	TRACE DIR	5 SQUARE 4
LAT 43 48 N	DAY 17	DATA USE 1	BAROMETR 1012.5	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 041 12 W	HOOR 12.0	AREA 05	CLCUD T/A 6/5	CL/TR	WEATHER X1	ORIG D30 009	1 SQUARE 31

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIG3	PH
	STD	00000	14.08	35.89	26.88	00.000	1505.5							
12.0	085	00000	14.08	35.894	26.88		1505.5							
	STD	00010	14.09	35.89	26.88	00.011	1505.7							
	STD	00020	14.10	35.90	26.88	00.023	1505.9							
12.0	085	00026	14.10	35.896	26.88		1506.0							
	STD	00030	14.10	35.90	26.88	00.035	1506.1							
	STD	00050	14.09	35.89	26.87	00.059	1506.4							
12.0	085	00052	14.09	35.891	26.87		1506.4							
	STD	00075	14.10	35.89	26.87	00.089	1506.6							
12.0	085	00076	14.10	35.888	26.87		1506.9							
	STD	00100	13.95	35.86	26.88	00.120	1506.7							
12.0	085	00104	13.92	35.850	26.88		1506.7							
	STD	00125	13.79	35.83	26.89	00.150	1506.6							
	STD	00150	13.65	35.80	26.90	00.160	1506.5							
12.0	085	00156	13.62	35.800	26.90		1506.5							
	STD	00200	13.46	35.78	26.92	00.240	1506.6							
12.0	085	T00208	13.41	35.769	26.92		1506.6							
	STD	00250	13.04	35.69	26.94	00.300	1506.0							
	STD	00300	12.51	35.60	26.97	00.359	1504.9							
12.0	085	00314	12.34	35.574	26.99		1504.9							
	STD	00400	11.09	35.40	27.09	00.474	1501.4							
12.0	085	T00416	10.86	35.376	27.11		1500.8							
	STD	00500	09.74	35.28	27.23	00.574	1496.0							
12.0	085	C0531	09.25	35.235	27.28		1496.7							
	STD	00600	07.86	35.11	27.40	00.661	1492.4							
12.0	085	T00646	07.10	35.049	27.46		1490.1							
	STD	00700	06.52	35.03	27.53	00.724	1486.7							
	STD	00800	05.67	35.00	27.62	00.757	1486.9							
12.0	085	00863	05.28	34.997	27.66		1486.4							
	STD	00900	05.20	35.00	27.68	00.854	1486.7							
	STD	01000	05.00	35.02	27.71	00.906	1487.0							
12.0	085	T01083	04.83	35.025	27.74		1488.3							
12.0	085	T01067	03.75	34.946	27.75		1493.5							

REFID 31 1425	YEAR 1969	BOTDP 04572	AIR TEMP 10.5	DIF HGT PER	WIND-DIR 04	INST NANSEN CAST	TEN SQ 1306
CONSEC 0010	MONTH 02	SHIP 00	WET BULB 07.5	04 5 3	WIND-SFD 15	TRACE DIR	5 SQUARE 1
LAT 43 51 N	DAY 20	DATA USE 1	BAROMETR 1010.4	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 041 20 W	HOOR 16.5	AREA 05	CLCUD T/A 6/6	CL/TR	WEATHER X6	ORIG D30 010	1 SQUARE 31

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIG3	PH
	STD	00000	14.02	35.89	26.85	00.000	1505.4							
18.5	085	00000	14.02	35.894	26.85		1505.4							
	STD	00010	14.03	35.89	26.85	00.011	1505.5							
	STD	00020	14.04	35.90	26.85	00.023	1505.7							
18.5	085	00022	14.04	35.896	26.85		1505.8							
	STD	00030	14.05	35.89	26.88	00.035	1506.0							
18.5	085	00043	14.07	35.893	26.88		1506.2							
	STD	00050	14.07	35.89	26.88	00.059	1506.3							
18.5	085	00066	14.07	35.889	26.88		1506.6							
	STD	00075	14.06	35.89	26.88	00.089	1506.7							
	STD	00100	14.06	35.894	26.88		1506.9							
	STD	00100	14.06	35.89	26.88	00.119	1507.1							
	STD	00125	14.06	35.90	26.88	00.149	1507.5							
18.5	085	00132	14.06	35.897	26.88		1507.6							
	STD	00150	14.06	35.89	26.88	00.160	1507.9							
18.5	085	T00177	14.05	35.887	26.88		1508.3							
	STD	00200	14.01	35.88	26.88	00.241	1508.6							
	STD	00250	13.93	35.86	26.89	00.303	1505.1							
18.5	085	C0265	13.90	35.856	26.89		1509.3							
	STD	00300	13.23	35.72	26.92	00.365	1507.5							
18.5	085	T00354	12.12	35.530	27.00		1504.4							
	STD	00400	11.02	35.37	27.08	00.460	1501.1							
18.5	085	00434	10.31	35.284	27.14		1499.0							
	STD	00500	09.27	35.18	27.23	00.562	1496.1							
18.5	085	T00534	08.77	35.135	27.26		1494.8							
	STD	00600	07.88	35.10	27.39	00.670	1491.5							
	STD	00700	06.71	35.06	27.53	00.744	1489.5							
18.5	085	00715	06.56	35.054	27.54		1489.2							
	STD	00800	05.81	35.02	27.61	00.807	1487.5							
18.5	085	T00898	05.09	34.981	27.67		1486.2							
18.5	085	T01388	04.00	34.952	27.75		1489.8							

TABLE VIII.—Observed and interpolated oceanographic data for stations taken by USCGC DUANE at Ocean Station DELTA, 2 February–23 February 1969, prepared from NODC listing No. 31-1425 DU.—Continued

REFID 31 1425	YEAR 1969	BTOP 04572	AIR TEMP 12.0	OIR HGT PER	WIND-OIR 35	INST NANSEN CAST	TEN SQ 1306
CONSEC 0011	MONTH C2	SHIP 00	WET BULB C8.C	35 4 3	WIND-SPO 10	TRACE OIR	5 SQUARE 1
LAT 43 53 N	DAY 22	DATA USE 1	BAROMETR 1014.0	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 041 13 W	HRUR 11.9	AREA U5	CLCUD T/A 8/4	CL/TR	WEATHER X1	ORIG 030 C11	1 SQUARE 31

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
11.9	ST0	00000	14.61	35.99	26.84	00.000	1507.4							
	085	00000	14.61	35.994	26.84		1507.4							
	ST0	00010	14.61	35.99	26.84	00.012	1507.5							
	ST0	00020	14.60	36.00	26.84	00.024	1507.7							
11.9	085	00027	14.60	35.996	26.84		1507.8							
	ST0	00030	14.61	36.00	26.85	00.036	1507.9							
	ST0	00050	14.63	36.01	26.85	00.061	1508.3							
11.9	085	00054	14.63	36.007	26.85		1508.3							
	ST0	00075	14.62	36.00	26.84	00.092	1508.6							
11.9	085	00081	14.62	35.999	26.84		1508.7							
	ST0	00100	14.62	35.99	26.84	00.123	1509.0							
11.9	085	00108	14.62	35.988	26.83		1509.2							
	ST0	00125	14.62	35.99	26.83	00.154	1509.4							
	ST0	00150	14.61	35.98	26.83	00.186	1509.8							
11.9	085	00163	14.61	35.981	26.83		1510.0							
	ST0	00200	14.61											
11.9	085	00217	14.61											
	ST0	00250	14.58											
	ST0	00300	14.54											
11.9	085	00325	14.52											
	ST0	00400	13.14											
11.9	085	T00434	12.51	35.586	26.96		1507.1							
	ST0	00500	11.35	35.42	27.05		1504.0							
11.9	085	00542	10.52	35.317	27.13		1501.6							
	ST0	00600	09.09	35.17	27.26		1497.1							
11.9	085	T00648	08.10	35.081	27.34		1494.1							
	ST0	00700	07.44	35.07	27.43		1492.4							
	ST0	00800	06.36	35.05	27.56		1489.8							
11.9	085	00868	05.77	35.029	27.63		1488.5							
	ST0	00900	05.59	35.02	27.64		1488.3							
	ST0	01000	05.07	34.99	27.68		1487.8							
11.9	085	T01095	04.67	34.973	27.71		1487.7							
11.9	085	T01628	03.89	34.937	27.77		1493.4							

REFID 31 1425	YEAR 1969	BTOP 04572	AIR TEMP 10.6	OIR HGT PER	WIND-OIR 08	INST NANSEN CAST	TEN SQ 1306
CONSEC 0012	MONTH C2	SHIP 00	WET BULB 07.8	32 3 3	WIND-SPO 06	TRACE OIR	5 SQUARE 1
LAT 44 11 N	DAY 23	DATA USE 1	BAROMETR 1014.2	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 040 55 W	HRUR 12.0	AREA 05	CLCUD T/A 6/5	CL/T/A	WEATHER X1	ORIG 030 012	1 SQUARE 40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.0	ST0	00000	14.01	35.92	26.91	00.000	1505.4							
	085	00000	14.01	35.916	26.91		1505.4							
	ST0	00010	14.02	35.92	26.91	00.011	1505.5							
	ST0	00020	14.03	35.92	26.91	00.023	1505.8							
12.0	085	00025	14.04	35.920	26.91		1505.9							
	ST0	00030	14.05	35.92	26.91	00.034	1506.0							
	ST0	00050	14.08	35.93	26.90	00.058	1506.4							
12.0	085	00051	14.06	35.928	26.90		1506.4							
	ST0	00075	14.05	35.92	26.90	00.087	1506.7							
12.0	085	00076	14.05	35.917	26.90		1506.7							
	ST0	00100	14.04	35.92	26.91	00.117	1507.1							
12.0	085	00101	14.04	35.919	26.91		1507.1							
	ST0	00125	14.01	35.91	26.90	00.146	1507.4							
	ST0	00150	13.93	35.89	26.90	00.176	1507.5							
12.0	085	00151	13.93	35.887	26.90		1507.5							
	ST0	00200	13.63	35.82	26.91	00.237	1507.3							
12.0	085	00202	13.62	35.813	26.91		1507.3							
	ST0	00250	13.56	35.81	26.92	00.297	1507.8							
	ST0	00300	13.32	35.77	26.94	00.358	1507.8							
12.0	085	00303	13.30	35.764	26.94		1507.8							
	ST0	00400	12.30	35.58	27.00	00.477	1505.8							
12.0	085	T00408	12.20	35.563	27.01		1505.6							
	ST0	00500	10.80	35.37	27.12	00.589	1501.9							
12.0	085	00506	10.68	35.355	27.13		1501.6							
	ST0	00600	08.38	35.10	27.31	00.687	1494.4							
12.0	085	T00607	08.24	35.085	27.32		1493.9							
	ST0	00700	07.08	35.04	27.46	00.768	1490.9							
	ST0	00800	06.13	35.02	27.57	00.837	1488.8							
12.0	085	00808	06.07	35.019	27.58		1488.7							
	ST0	00900	05.63	35.03	27.65	00.898	1488.5							
	ST0	01000	05.21	35.04	27.70	00.953	1488.4							
12.0	085	T01012	05.16	35.040	27.71		1488.5							
12.0	085	T01520	03.98	34.953	27.77		1492.0							

TABLE IX.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station DELTA, 24 February–18 March 1969, prepared from NODC listing No. 31-1422 DG.

REFID 31 1422	YEAR 1969	BOTDP 04660	AIR TEMP 12.6	OIR HGT PER	WIND-DIR 15	INST NANSEN CAST	TEN SQ 1306
CONSEC 0001	MONTH 02	SHIP OG	WET BULB 10.1	13 4 3	WIND-SFD 20	TRACE OIR	5 SQUARE 1
LAT 43 46.5N	OAY 24	DATA USE 1	BAROMETR 0996.5	SEA	WIND-FDR	DURATION	2 SQUARE 20
LONG 041 14 W	HOUP 12.6	AREA 05	CLOUD T/A 8/6	CL/TR	WEATHER X1	CRIG 031 C01	1 SQUARE 31

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.6	STO	00000	14.16	35.92	26.88	00.000	1505.8							
	OBS	00000	14.16	35.925	26.88		1505.8							
	STO	00010	14.14	35.92	26.89	00.011	1505.9							
	STO	00020	14.13	35.92	26.89	00.023	1506.1							
12.6	OBS	00024	14.13	35.925	26.89		1506.1							
	STO	00030	14.14	35.93	26.89	00.035	1506.3							
12.6	OBS	00046	14.15	35.927	26.89		1506.6							
	STO	00050	14.15	35.92	26.88	00.059	1506.6							
12.6	OBS	00073	14.16	35.915	26.88		1507.0							
	STO	00075	14.16	35.92	26.88	00.089	1507.1							
12.6	OBS	00092	14.14	35.925	26.89		1507.3							
	STO	00100	14.14	35.93	26.89	00.119	1507.4							
	STO	00125	14.14	35.93	26.89	00.149	1507.8							
12.6	OBS	00136	14.14	35.927	26.89		1508.0							
	STO	00150	14.14	35.92	26.89	00.179	1508.2							
12.6	OBS	00181	14.14	35.912	26.88		1508.7							
	STO	00200	14.08	35.90	26.88	00.240	1508.8							
	STO	00250	13.88	35.86	26.90	00.302	1509.0							
12.6	OBS	00269	13.79	35.848	26.90		1509.0							
	STO	00300	13.72	35.82	26.90	00.365	1509.2							
12.6	OBS	T00357	13.24	35.781	26.97		1508.5							
	STO	00400	12.47	35.62	27.00	00.486	1506.4							
12.6	OBS	00440	11.72	35.494	27.04		1504.3							
	STO	00500	10.47	35.32	27.14	00.597	1500.7							
12.6	OBS	00528	09.92	35.254	27.18		1499.1							
	STO	00600	08.49	35.14	27.33	00.693	1494.8							
12.6	OBS	00699	06.90	35.035	27.48		1490.2							
	STO	00700	06.89	35.03	27.48	00.773	1490.2							
	STO	00800	05.72	35.01	27.62	00.838	1487.2							
12.6	OBS	T00855	05.27	35.004	27.67		1486.2							

REFID 31 1422	YEAR 1969	BOTDP 04572	AIR TEMP 11.9	OIR HGT PER	WIND-DIR 09	INST NANSEN CAST	TEN SQ 1306
CONSEC 0002	MONTH 02	SHIP OG	WET BULB 10.2	05 5 4	WIND-SFD 05	TRACE OIR	5 SQUARE 1
LAT 44 00 N	OAY 25	DATA USE 1	BAROMETR 0975.5	SEA	WIND-FDR	DURATION	2 SQUARE 40
LONG 041 00 W	HOUP 10.5	AREA 05	CLOUD T/A 8/7	CL/TR	WEATHER X1	CRIG 031 002	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
10.5	STO	00000	14.58	35.96	26.82	00.000	1507.2							
	OBS	00000	14.58	35.964	26.82		1507.2							
	STO	00010	14.62	35.98	26.83	00.012	1507.6							
	STO	00020	14.65	36.00	26.84	00.024	1507.8							
10.5	OBS	00024	14.66	36.004	26.84		1507.9							
	STO	00030	14.66	36.01	26.84	00.036	1508.1							
10.5	OBS	00048	14.67	36.025	26.85		1508.4							
	STO	00050	14.67	36.03	26.85	00.061	1508.4							
10.5	OBS	00072	14.67	36.038	26.86		1508.8							
	STO	00075	14.68	36.04	26.86	00.091	1508.9							
10.5	OBS	00096	14.68	36.043	26.86		1509.2							
	STO	00100	14.65	36.03	26.86	00.122	1509.2							
	STO	00125	14.47	35.98	26.86	00.153	1509.0							
10.5	OBS	00143	14.34	35.950	26.87		1508.8							
	STO	00150	14.28	35.94	26.87	00.184	1508.7							
10.5	OBS	T00190	14.00	35.881	26.89		1508.4							
	STO	00200	14.00	35.88	26.88	00.246	1508.5							
	STO	00250	14.00	35.87	26.88	00.308	1509.4							
10.5	OBS	00286	14.00	35.871	26.88		1509.9							
	STO	00300	13.70	35.82	26.90	00.370	1509.1							
	STO	00400	11.72	35.51	27.06	00.488	1503.7							
10.5	OBS	00477	10.39	35.325	27.16		1500.0							
	STO	00500	10.06	35.28	27.18	00.554	1499.2							
10.5	OBS	T00572	08.99	35.161	27.27		1496.3							
	STO	00600	08.40	35.14	27.35	00.687	1494.5							
	STO	00700	06.72	35.09	27.55	00.763	1489.6							
10.5	OBS	00763	06.00	35.073	27.63		1487.8							
	STO	00800	05.88	35.07	27.64	00.824	1487.9							
	STO	00900	05.55	35.06	27.67	00.880	1488.2							
10.5	OBS	00955	05.38	35.049	27.65		1486.4							
10.5	OBS	T01441	04.00	34.963	27.78		1490.7							

TABLE IX.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station DELTA, 24 February–18 March 1969, prepared from NODC listing No. 31-1422 DG.—Continued

REFID	31	1422	YEAR	1969	ROTOP	04600	AIR TEMP	11.5	DIF HGT PER	WIND-DIR	06	INST NANSEN	CAST	TEN SQ	1306				
CONSEC	0003	MONTH	02	SHIP DG	WET BULB	08.1	SEA	05	4	3	WIND-SPD	07	TRACE DIR	5	SQUARE	1			
LAT	44 44 N	DAY	27	DATA USE	1	BAROMETR	1012.5	CL/TF	05	4	3	WIND-FOR	DURATION	2	SQUARE	40			
LONG	041 51 W	HOUR	12.8	AREA	05	CLOUD T/A	6/8	CL/TF	05	4	3	WEATHER	X2	DRIG	031	003	1	SQUARE	41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DXYG	PD4	TCT P	NO2	NO3	SIG3	PH
	STD	00000	13.86	35.87	26.90	00.000	1504.8							
12.8	OBS	00000	13.86	35.868	26.90		1504.8							
	STD	00010	13.85	35.87	26.91	00.011	1504.9							
	STD	00020	13.84	35.87	26.91	00.023	1505.1							
12.8	OBS	00023	13.84	35.866	26.91		1505.1							
	STD	00030	13.84	35.86	26.90	00.034	1505.2							
12.8	OBS	00045	13.85	35.858	26.90		1505.5							
	STD	00050	13.85	35.86	26.90	00.058	1505.6							
12.8	OBS	00068	13.85	35.862	26.90		1505.9							
	STD	00075	13.85	35.86	26.90	00.067	1506.0							
12.8	OBS	00090	13.86	35.865	26.90		1506.3							
	STD	00100	13.86	35.86	26.90	00.117	1506.4							
	STD	00125	13.86	35.86	26.90	00.147	1506.8							
12.8	OBS	00136	13.86	35.862	26.90		1507.0							
	STD	00150	13.87	35.86	26.90	00.177	1507.3							
12.8	OBS	T00182	13.88	35.869	26.90		1507.8							
	STD	00200	13.76	35.84	26.90	00.237	1507.7							
	STD	00250	13.25	35.73	26.93	00.298	1506.7							
12.8	OBS	00274	12.91	35.677	26.95		1505.9							
	STD	00300	12.35	35.59	27.00	00.357	1504.3							
12.8	OBS	T00368	11.00	35.400	27.11		1500.5							
	STD	00400	10.43	35.33	27.16	00.465	1498.9							
12.8	OBS	00464	09.40	35.219	27.24		1496.1							
	STD	00500	08.95	35.17	27.28	00.560	1494.9							
12.8	OBS	T00564	08.13	35.098	27.35		1492.8							
	STD	00600	07.52	35.06	27.41	00.644	1491.0							
	STD	00700	06.18	35.00	27.55	00.716	1487.3							
12.8	OBS	00755	05.65	34.975	27.60		1486.1							
	STD	00800	05.48	34.98	27.62	00.777	1486.2							
	STD	00900	05.14	35.00	27.68	00.833	1486.4							
12.8	OBS	T00951	04.98	35.003	27.70		1486.7							
12.8	OBS	T01472	04.01	35.053	27.85		1491.4							

REFID	31	1422	YEAR	1969	ROTOP	04663	AIR TEMP	12.5	DIF HGT PER	WIND-DIR	09	INST NANSEN	CAST	TEN SQ	1306				
CONSEC	0004	MONTH	02	SHIP DG	WET BULB	09.0	SEA	08	3	3	WIND-SPD	25	TRACE DIR	5	SQUARE	1			
LAT	44 07 N	DAY	28	DATA USE	1	BAROMETR	1016.6	CL/TF	08	3	3	WIND-FOR	DURATION	2	SQUARE	40			
LONG	040 59 W	HOUR	12.8	AREA	05	CLOUD T/A	8/6	CL/TF	08	3	3	WEATHER	X1	DRIG	031	004	1	SQUARE	40

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DXYG	PD4	TCT P	NO2	NO3	SIG3	PH
	STD	00000	14.27	35.95	26.88	00.000	1506.2							
12.8	OBS	00000	14.27	35.947	26.88		1506.2							
	STD	00010	14.27	35.95	26.88	00.011	1506.4							
	STD	00020	14.26	35.94	26.88	00.023	1506.5							
12.8	OBS	00022	14.26	35.944	26.88		1506.6							
	STD	00030	14.25	35.95	26.88	00.035	1506.7							
12.8	OBS	00044	14.25	35.947	26.88		1506.9							
	STD	00050	14.25	35.95	26.88	00.059	1507.0							
12.8	OBS	00066	14.27	35.947	26.88		1507.3							
	STD	00075	14.28	35.95	26.88	00.089	1507.5							
12.8	OBS	00089	14.30	35.957	26.83		1507.8							
	STD	00100	14.29	35.95	26.86	00.119	1507.9							
	STD	00125	14.26	35.95	26.88	00.150	1508.3							
12.8	OBS	00136	14.28	35.950	26.86		1508.5							
	STD	00150	14.28	35.95	26.86	00.180	1508.7							
12.8	OBS	T00181	14.29	35.950	26.88		1509.3							
	STD	00200	14.19	35.92	26.88	00.242	1509.2							
	STD	00250	13.80	35.83	26.89	00.304	1506.7							
12.8	OBS	00279	13.49	35.776	26.91		1506.0							
	STD	00300	13.14	35.72	26.94	00.365	1507.2							
12.8	OBS	T00380	11.94	35.538	27.04		1504.2							
	STD	00400	11.75	35.51	27.05	00.482	1503.8							
12.8	OBS	00481	10.73	35.364	27.13		1501.4							
	STD	00500	10.34	35.31	27.16	00.590	1500.2							
12.8	OBS	T00588	08.71	35.134	27.29		1495.5							
	STD	00600	08.51	35.12	27.31	00.685	1494.9							
	STD	00700	07.04	35.05	27.47	00.766	1490.8							
12.8	OBS	00790	06.04	35.004	27.57		1488.3							
	STD	00800	05.97	35.00	27.58	00.835	1486.2							
	STD	00900	05.38	35.00	27.65	00.894	1487.4							
12.8	OBS	T00988	04.94	34.995	27.70		1487.1							
12.8	OBS	T01526	04.00	34.955	27.77		1492.2							

TABLE IX.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station DELTA, 24 February–18 March 1969, prepared from NODC listing No. 31-1422 DG.—Continued

REFID 31 1422 YEAR 1969 BDTDP 04663 AIR TEMP 17.0 OIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1306
 CONSEC 0005 MONTH 03 SHIP DG WET BULB 14.8 15 3 4 WIND-SPD 30 TRACE DIR 5 SQUARE 1
 LAT 44 07 N DAY 01 DATA USE 1 BARMETR 1016.9 SEA WIND-FDR DURATION 2 SQUARE 40
 LONG 040 59 W HOUR 12.7 AREA 05 CLOUD T/A 7/7 CL/TR WEATHER XB CRIG D31 075 1 SQUARE 40

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PD4	TCT P	NO2	NO3	SI03	PH
12.7	STD	00000	14.22	35.94	26.89	00.000	1506.1							
	OBS	00000	14.22	35.942	26.89		1506.1							
	STD	00010	14.19	35.94	26.89	00.011	1506.1							
	STD	00020	14.18	35.94	26.89	00.023	1506.2							
12.7	OBS	00027	14.17	35.938	26.89		1506.3							
	STD	00030	14.17	35.94	26.89	00.035	1506.4							
	STD	00050	14.16	35.94	26.89	00.058	1506.7							
12.7	OBS	00053	14.18	35.937	26.89		1506.8							
	STD	00075	14.17	35.93	26.89	00.088	1507.1							
12.7	OBS	00080	14.17	35.930	26.89		1507.2							
	STD	00100	14.15	35.92	26.89	00.118	1507.5							
12.7	OBS	00105	14.15	35.923	26.89		1507.5							
	STD	00125	14.15	35.92	26.88	00.149	1507.9							
	STD	00150	14.14	35.92	26.88	00.179	1508.2							
12.7	OBS	00158	14.13	35.918	26.89		1508.3							
	STD	00200	14.07	35.92	26.90	00.240	1508.8							
12.7	OBS	00209	14.06	35.917	26.90		1508.9							
	STD	00250	13.99	35.90	26.90	00.301	1509.4							
	STD	00300	13.91	35.88	26.91	00.363	1509.9							
12.7	OBS	00309	13.90	35.880	26.91		1510.0							
	STD	00400	13.07	35.72	26.95	00.487	1508.6							
12.7	OBS	T00410	12.95	35.697	26.96		1508.3							
	STD	00500	11.61	35.47	27.05	00.605	1504.9							
12.7	OBS	00504	11.54	35.462	27.05		1504.7							
12.7	OBS	TC0597	09.74	35.270	27.23		1499.6							
	STD	00600	09.67	35.26	27.23	00.711	1499.4							
	STD	00700	07.78	35.10	27.40	00.800	1493.7							
12.7	OBS	00785	06.63	35.021	27.51		1490.6							
	STD	00800	06.53	35.02	27.52	00.875	1490.4							
	STD	00900	05.94	35.04	27.62	00.941	1485.7							
12.7	OBS	T00968	05.58	35.050	27.67		1489.4							
12.7	OBS	T01474	04.15	34.966	27.76		1491.9							

REFID 31 1422 YEAR 1969 BDTDP 04755 AIR TEMP 15.3 DIP HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1306
 CONSEC 0006 MONTH 03 SHIP DG WET BULB 13.5 21 2 2 WIND-SPD 25 TRACE DIR 5 SQUARE 1
 LAT 43 59 N DAY 02 DATA USE 1 BARMETR 1000.0 SEA WIND-FDR DURATION 2 SQUARE 20
 LONG 041 04 W HOUR 12.5 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER XB CRIG D31 006 1 SQUARE 31

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.5	STD	00000	14.36	35.97	26.88	00.000	1506.5							
	OBS	00000	14.36	35.971	26.88		1506.5							
	STD	00010	14.36	35.97	26.88	00.011	1506.7							
	STD	00020	14.35	35.97	26.88	00.023	1506.8							
12.5	OBS	00024	14.34	35.967	26.88		1506.9							
	STD	00030	14.32	35.97	26.88	00.035	1506.9							
12.5	OBS	00047	14.26	35.956	26.89		1507.0							
	STD	00050	14.24	35.95	26.89	00.059	1506.9							
12.5	OBS	00071	14.13	35.919	26.89		1506.9							
	STD	00075	14.13	35.92	26.89	00.089	1507.0							
12.5	OBS	00094	14.14	35.922	26.89		1507.3							
	STD	00100	14.14	35.92	26.89	00.119	1507.4							
	STD	00125	14.13	35.92	26.89	00.149	1507.8							
12.5	OBS	00142	14.13	35.923	26.89		1508.1							
	STD	00150	14.12	35.92	26.89	00.179	1508.2							
12.5	OBS	00189	14.09	35.914	26.89		1508.7							
	STD	00200	14.08	35.91	26.89	00.240	1508.9							
	STD	00250	14.06	35.90	26.89	00.302	1509.6							
12.5	OBS	00281	14.04	35.895	26.89		1510.0							
	STD	00300	14.00	35.89	26.89	00.365	1510.2							
12.5	OBS	T00371	13.87	35.872	26.91		1510.9							
	STD	00400	13.41	35.77	26.93	00.490	1509.8							
12.5	OBS	00464	12.34	35.581	26.99		1507.0							
	STD	00500	11.69	35.49	27.04	00.610	1505.2							
12.5	OBS	T00554	10.74	35.359	27.12		1502.6							
	STD	00600	09.88	35.26	27.20	00.718	1500.1							
	STD	00700	08.24	35.11	27.34	00.812	1495.5							
12.5	OBS	00735	07.74	35.076	27.39		1494.1							
	STD	00800	06.94	35.06	27.49	00.892	1492.1							
	STD	00900	05.91	35.04	27.61	00.959	1489.6							
12.5	OBS	00908	05.84	35.036	27.62		1489.5							
12.5	OBS	T01355	04.34	34.980	27.76		1490.7							

TABLE IX.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station DELTA, 24 February–18 March 1969, prepared from NODC listing No. 31-1422 DG.—Continued

REFID	31	1422	YEAR	1969	BOTOP	04663	AIR TEMP	11.3	OIR	HGT	PER	WIND-OIR	28	INST	NANSEN	CAST	TEN SQ	1306	
CONSEC		0007	MONTH	03	SHIP	OG	WET BULB	08.8		27	4	2			TRACE	OIR		5	SQUARE 1
LAT	44	07	N	OAY	03	DATA	USE	1	BAROMETR	1003.9	SEA	WIND-FGR		DURATION			2	SQUARE 40	
LONG	040	51	W	HOUR	12.6	AREA	05		CLOUD T/A	9/6	CL/TR	WEATHER	X8	ORIG	D31	007	1	SQUARE 40	

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SI03	PH
	STO	00000	14.12	35.92	26.89	00.000	1505.7							
12.6	OBS	00000	14.12	35.921	26.85		1505.7							
	STO	00010	14.11	35.92	26.89	00.011	1505.9							
	STO	00020	14.11	35.92	26.89	00.023	1506.0							
12.6	OBS	00023	14.11	35.918	26.89		1506.1							
	STO	00030	14.11	35.92	26.89	00.035	1506.2							
12.6	OBS	00045	14.12	35.915	26.89		1506.4							
	STO	00050	14.13	35.92	26.89	00.059	1506.6							
12.6	OBS	00068	14.15	35.923	26.89		1506.9							
	STO	00075	14.15	35.93	26.89	00.088	1507.1							
12.6	OBS	00091	14.16	35.928	26.89		1507.3							
	STO	00100	14.16	35.93	26.89	00.118	1507.5							
	STO	00125	14.15	35.92	26.88	00.149	1507.9							
12.6	OBS	00136	14.15	35.921	26.88		1508.0							
	STO	00150	14.14	35.92	26.85	00.179	1508.2							
12.6	OBS	TC0179	14.13	35.921	26.85		1508.7							
	STO	00200	14.11	35.92	26.89	00.240	1509.0							
	STO	00250	14.07	35.91	26.89	00.302	1509.6							
12.6	OBS	00274	14.05	35.907	26.89		1510.0							
	STO	00300	13.98	35.88	26.89	00.365	1510.1							
12.6	OBS	TC0364	13.62	35.801	26.90		1509.9							
	STO	00400	13.31	35.73	26.91	00.490	1509.4							
12.6	OBS	TC0457	12.63	35.610	26.96		1507.9							
	STO	00500	11.90	35.50	27.02	00.612	1506.0							
12.6	OBS	TC0550	11.04	35.387	27.09		1503.6							
	STO	00600	10.00	35.27	27.18	00.723	1500.6							
	STO	00700	08.22	35.10	27.34	00.818	1495.4							
12.6	OBS	TC0738	07.65	35.062	27.39		1495.8							
	STO	00800	06.91	35.05	27.45	00.898	1492.0							
	STO	00900	05.89	35.03	27.61	00.965	1489.5							
12.6	OBS	TC0930	05.63	35.021	27.64		1489.0							
12.6	OBS	TC1461	04.13	34.960	27.76		1491.6							

REFID	31	1422	YEAR	1969	BOTOP	04755	AIR TEMP	09.8	DIR	HGT	PER	WIND-OIR	31	INST	NANSEN	CAST	TEN SQ	1306	
CONSEC		0008	MONTH	03	SHIP	OG	WET BULB	06.6		33	2	4			TRACE	OIR		5	SQUARE 1
LAT	44	08	N	OAY	04	DATA	USE	1	BAROMETR	1016.1	SEA	WIND-FGR		DURATION			2	SQUARE 40	
LONG	040	53	W	HOUR	12.6	AREA	05		CLOUD T/A	6/7	CL/TR	WEATHER	X1	ORIG	O31	008	1	SQUARE 40	

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SI03	PH
	STO	00000	14.06	35.90	26.89	00.000	1505.5							
12.6	OBS	00000	14.06	35.902	26.85		1505.5							
	STO	00010	14.06	35.90	26.89	00.011	1505.7							
	STO	00020	14.06	35.90	26.89	00.023	1505.6							
12.6	OBS	00027	14.06	35.904	26.89		1505.9							
	STO	00030	14.06	35.90	26.89	00.035	1506.0							
	STO	00050	14.06	35.90	26.89	00.059	1506.3							
12.6	OBS	00053	14.06	35.902	26.89		1506.4							
	STO	00075	14.06	35.90	26.89	00.088	1506.7							
12.6	OBS	CC081	14.06	35.901	26.89		1506.8							
	STO	00100	14.08	35.91	26.89	00.118	1507.2							
12.6	OBS	00107	14.09	35.909	26.89		1507.4							
	STO	00125	14.11	35.91	26.88	00.149	1507.7							
	STO	00150	14.12	35.91	26.88	00.179	1508.2							
12.6	OBS	CC162	14.12	35.913	26.88		1508.4							
	STO	00200	14.10	35.91	26.88	00.240	1508.9							
12.6	OBS	00215	14.08	35.901	26.88		1509.1							
	STO	00250	14.08	35.89	26.87	00.303	1509.6							
	STO	00300	13.94	35.87	26.89	00.366	1510.0							
12.6	OBS	00323	13.83	35.856	26.90		1510.0							
	STO	00400	13.13	35.71	26.93	00.491	1508.8							
12.6	OBS	TC0435	12.83	35.646	26.95		1508.2							
	STO	00500	12.42	35.57	26.97	00.615	1507.8							
12.6	OBS	00540	11.96	35.503	27.01		1506.8							
	STO	00600	10.80	35.34	27.10	00.732	1503.0							
12.6	OBS	TC0653	09.82	35.226	27.13		1500.8							
	STO	00700	08.83	35.15	27.21	00.835	1497.8							
	STO	00800	07.08	35.02	27.45	00.920	1492.6							
12.6	OBS	00866	06.21	34.970	27.52		1490.2							
	STO	00900	05.96	34.97	27.55	00.993	1489.8							
	STO	01000	05.32	34.97	27.63	01.056	1488.8							
12.6	OBS	01082	04.88	34.963	27.68		1488.4							
12.6	OBS	TC1620	03.92	34.932	27.76		1493.4							

TABLE IX.—Observed and interpolated oceanographic data for stations taken by USCGC DALI at Ocean Station DELTA, 24 February—18 March 1969, prepared from NODC listing No. 1422 DG.—Continued

REFID 31 1422 YEAR 1969 BOTDP 04389 AIP TEMP 13.8 OIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ
 CONSEC 0009 MONTH 03 SHIP 06 WET BULB 10.9 33 4 3 WIND-SPD 10 TRACE OIR 5 SQUAR
 LAT 43 03 N DAY 13 DATA USE 1 BAROMETR C980.C SEA WIND-FOR DUPATION 2 SQUAR
 LONG 039 38 W HOUR 16.9 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER 4d ORIG 031 009 1 SQUARE

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	PC4	TCT P	NO2	NO3	SIO3	PH
16.9	STO	00000	13.39	35.75	26.91	00.000	1503.1							
	OBS	00000	13.39	35.746	26.91		1503.1							
	STO	00010	13.39	35.78	26.93	00.011	1503.3							
	STO	00020	13.39	35.80	26.95	00.022	1503.5							
16.9	OBS	00025	13.39	35.807	26.96		1503.6							
	STO	00030	13.39	35.81	26.96	00.033	1503.7							
	STO	00050	13.38	35.81	26.96	00.056	1504.0							
16.9	OBS	00051	13.38											
	STO	00075	13.39	35.81	26.96	00.084	1504.4							
16.9	OBS	00076	13.39	35.810	26.96		1504.4							
	STO	00100	13.41	35.81	26.95	00.112	1504.9							
16.9	OBS	00102	13.41	35.806	26.95		1504.9							
	STO	00125	13.39	35.81	26.96	00.141	1505.2							
	STO	00150	13.36	35.81	26.96	00.170	1505.5							
16.9	OBS	00151	13.36	35.810	26.96		1505.6							
	STO	00200	13.33	35.79	26.96	00.227	1506.2							
16.9	OBS	00202	13.32	35.789	26.96		1506.2							
	STO	00250	12.82	35.68	26.97	00.285	1505.2							
	STO	00300	12.23	35.57	27.00	00.343	1503.9							
16.9	OBS	00304	12.18	35.561	27.01		1503.8							
	STO	00400	10.84	35.36	27.11	00.453	1500.4							
16.9	OBS	T00408	10.71	35.346	27.12		1500.1							
	STO	00500	09.07	35.17	27.26	00.552	1495.9							
16.9	OBS	00507	08.94	35.163	27.27		1495.0							
	STO	00600	07.17	35.03	27.44	00.656	1489.6							
16.9	OBS	C0608	07.05	35.021	27.45		1489.3							
	STO	00700	06.40	35.03	27.55	00.706	1488.3							
	STO	00800	05.81	35.05	27.64	00.767	1487.6							
16.9	OBS	00811	05.75	35.049	27.64		1487.5							
	STO	00900	05.37	35.03	27.68	00.823	1487.4							
	STO	01000	05.00	35.01	27.71	00.876	1487.6							
16.9	OBS	T01022	04.93	35.011	27.71		1487.6							
16.9	OBS	T01520	04.02	34.970	27.76		1492.2							

REFID 31 1422 YEAR 1969 BOTDP 04240 AIP TEMP 10.6 OIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ
 CONSEC 0010 MONTH 03 SHIP 06 WET BULB 08.9 28 4 2 WIND-SPD 24 TRACE OIR 5 SQUAR
 LAT 42 53 N DAY 14 DATA USE 1 BAROMETR C985.5 SEA WIND-FOR DUPATION 2 SQUAR
 LONG 039 10 W HOUR 12.7 AREA 05 CLOUD T/A 6/5 CL/TR WEATHER 4d ORIG 031 010 1 SQUARE 29

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	PC4	TCT P	NO2	NO3	SIO3	PH
12.7	STO	00000	13.58	35.83	26.94	00.000	1503.6							
	OBS	00000	13.58	35.835	26.94		1503.6							
	STO	00010	13.58	35.83	26.94	00.011	1503.7							
	STO	00020	13.57	35.85	26.94	00.022	1504.1							
12.7	OBS	00024	13.57	35.832	26.94		1504.2							
	STO	00030	13.56	35.83	26.94	00.033	1504.3							
12.7	OBS	G0046	13.55	35.857	26.95		1504.5							
	STO	00050	13.56	35.84	26.94	00.056	1504.6							
12.7	OBS	C0069	13.57	35.859	26.94		1504.9							
	STO	00075	13.57	35.84	26.94	00.085	1505.0							
12.7	OBS	00091	13.56	35.837	26.94		1505.3							
	STO	00100	13.56	35.84	26.94	00.113	1505.4							
	STO	00125	13.55	35.84	26.94	00.142	1505.8							
12.7	OBS	00138	13.55	35.834	26.94		1506.0							
	STO	00150	13.54	35.83	26.94	00.171	1506.2							
12.7	OBS	T00184	13.53	35.827	26.94		1506.7							
	STO	00200	13.52	35.83	26.94	00.230	1506.9							
	STO	00250	13.50	35.83	26.95	00.269	1507.7							
12.7	OBS	00276	13.49	35.826	26.95		1508.1							
	STO	00300	13.42	35.82	26.96	00.340	1508.2							
12.7	OBS	C0386	13.18	35.779	26.98		1508.6							
	STO	00400	13.14	35.75	26.97	00.468	1508.6							
12.7	OBS	00462	12.25	35.572	27.00		1506.0							
	STO	00500	10.67	35.35	27.13	00.562	1501.5							
12.7	OBS	T00553	08.91	35.124	27.25		1495.0							
	STO	00600	08.31	35.11	27.33	00.676	1494.1							
	STO	C0700	07.22	35.09	27.48	00.758	1491.6							
12.7	OBS	00743	06.84	35.091	27.53		1490.8							
	STO	00800	06.48	35.10	27.59	00.820	1490.3							
	STO	00900	05.90	35.11	27.67	00.865	1489.7							
12.7	OBS	T00929	05.75	35.111	27.69		1489.6							
12.7	OBS	T01398	04.14	34.578	27.78		1490.6							

TABLE IX.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station DELTA, 24 February–18 March 1969, prepared from NODC listing No. 31-1422 DG.—Continued

REFID 31 1422	YEAR 1969	BOTDP 04470	AIR TEMP 12.1	DIP HGT PER	WIND-DIR 35	INST NANSEN CAST	TEN SQ 1306
CONSEC 0011	MONTH 03	SHIP DG	WET BULB 09.1	33 5 3	WIND-SPD 22	TRACE DIR	5 SQUARE 1
LAT 43 40 N	DAY 15	DATA USE 1	BAROMETR 9983.4	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 040 15 W	HOUR 12.6	AREA 05	CLOUD T/A 8/5	CL/TR	WEATHER X1	ORIG D31 011	1 SQUARE 30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	STD	00000	13.85	35.88	26.92	00.000	1504.8							
	08S	00000	13.85	35.883	26.92		1504.8							
	STD	00010	13.85	35.89	26.92	00.011	1505.0							
	STD	00020	13.85	35.89	26.92	00.022	1505.1							
12.8	08S	00020	13.85	35.890	26.92		1505.1							
	STD	00030	13.85	35.89	26.92	00.034	1505.3							
12.8	08S	00043	13.84	35.884	26.92		1505.5							
	STD	00050	13.83	35.88	26.92	00.057	1505.6							
12.8	08S	00063	13.83	35.886	26.92		1505.8							
	STD	00075	13.84	35.89	26.93	00.066	1506.0							
12.8	08S	00083	13.84	35.889	26.93		1506.1							
	STD	00100	13.83	35.89	26.93	00.115	1506.4							
12.8	08S	00122	13.83	35.886	26.92		1506.7							
	STD	00125	13.83	35.89	26.92	00.144	1506.8							
	STD	00150	13.84	35.89	26.92	00.174	1507.2							
12.8	08S	00162	13.85	35.885	26.92		1507.4							
	*STD	00200	13.78	35.87	26.93	00.233	1507.8							
12.8	08S	00247	13.56	35.834	26.94		1507.6							
	STD	00250	13.53	35.83	26.95	00.293	1507.8							
	STD	00300	12.96	35.75	27.00	00.351	1506.6							
12.8	08S	00330		35.696										
	STD	00400	11.82	35.54	27.06	00.464	1504.1							
12.8	08S	00411	11.70	35.500	27.05		1503.8							
12.8	08S	00490	08.70	35.125	27.28		1493.8							
	STD	00500	08.39	35.10	27.31	00.563	1492.8							
12.8	08S	00548	07.10	35.010	27.43		1488.5							
	STD	00600	06.72	35.00	27.48	00.642	1487.8							
	STD	00700	06.05	34.99	27.56	00.709	1486.6							
	STD	00800	05.48	34.98	27.63	00.769	1486.2							
12.8	08S	T00810	05.43	34.983	27.63		1486.1							
12.8	08S	T01233	04.13	34.944	27.75		1467.8							

REFID 31 1422	YEAR 1969	BOTDP 04572	AIR TEMP 10.0	DIP HGT PER	WIND-DIR 03	INST NANSEN CAST	TEN SQ 1306
CONSEC 0012	MONTH 03	SHIP DG	WET BULB 08.8	05 6 3	WIND-SPD 30	TRACE DIR	5 SQUARE 1
LAT 44 15 N	DAY 16	DATA USE 1	BAROMETR 9984.4	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 041 00 W	HOUR 13.1	AREA 05	CLOUD T/A 8/4	CL/TR	WEATHER X1	ORIG D31 012	1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.1	STD	00000	13.85	35.88	26.92	00.000	1504.8							
	08S	00000	13.85	35.879	26.92		1504.8							
	STD	00010	13.86	35.88	26.91	00.011	1505.0							
	STD	00020	13.86	35.88	26.91	00.023	1505.1							
13.1	08S	00026	13.86	35.877	26.91		1505.2							
	STD	00030	13.86	35.88	26.91	00.034	1505.3							
	STD	00050	13.85	35.88	26.92	00.057	1505.6							
13.1	08S	00051	13.85	35.881	26.92		1505.6							
	STD	00075	13.86	35.88	26.92	00.086	1506.0							
13.1	08S	00079	13.86	35.884	26.92		1506.1							
	STD	00100	13.86	35.88	26.92	00.116	1506.5							
13.1	08S	00104	13.86	35.885	26.92		1506.5							
	STD	00125	13.85	35.88	26.91	00.145	1506.8							
	STD	00150	13.85	35.87	26.91	00.175	1507.2							
13.1	08S	00157	13.85	35.874	26.91		1507.3							
	STD	00200	13.85	35.87	26.91	00.235	1508.1							
13.1	08S	T00206	13.85	35.875	26.91		1508.2							
	STD	00250	13.82	35.87	26.91	00.296	1508.8							
	STD	00300	13.80	35.86	26.91	00.357	1509.5							
13.1	08S	00311	13.79	35.861	26.91		1509.7							
	STD	00400	13.27	35.86	27.02	00.477	1509.4							
13.1	08S	T00412	13.16	35.859	27.04		1509.2							
	STD	00500	12.15	35.78	27.19	00.586	1507.2							
13.1	08S	00512	11.86	35.744	27.21		1506.3							
	STD	00600	08.45	35.21	27.39	00.678	1494.8							
13.1	08S	00606	08.24	35.175	27.39		1494.0							
13.1	08S	T01352	04.54	34.972	27.73		1491.5							

TABLE IX.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station DELTA, 24 February–18 March 1969, prepared from NODC listing No. 31-1422 DG.—Continued

REFID 31 1422	YEAR 1969	BOTDP 04680	AIR TEMP 10.0	DIP HGT PER	WIND-DIR 07	INST NANSEN CAST	TEN SW 1306
CONSEC 0013	MONTH 03	SHIP 06	WET BULB 06.9	03 3	WIND-SPD 15	TRACE DIR	5 SQUARE 1
LAT 44 06 N	DAY 17	DATA USE 1	BAROMETR 1007.8	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 040 57 W	HOOR 12.6	AREA 05	CLCUD T/A 8/5	CL/TR	WEATHER X8	CRIG D31 C13	1 SQUARE 40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SIG3	PH
12.6	STD	00000	13.92	35.89	26.91	00.000	1505.0							
	OBS	00000	13.92	35.893	26.91		1505.0							
	STD	00010	13.90	35.90	26.92	00.011	1505.1							
	STD	00020	13.88	35.90	26.92	00.023	1505.2							
12.6	OBS	00024	13.88	35.900	26.93		1505.3							
	STD	00030	13.89	35.90	26.93	00.034	1505.4							
12.6	OBS	00048	13.90	35.905	26.92		1505.8							
	STD	00050	13.90	35.90	26.92	00.057	1505.8							
12.6	OBS	00072	13.91	35.901	26.92		1506.2							
	STD	00075	13.91	35.90	26.92	00.086	1506.2							
	STD	00100	13.91	35.90	26.92	00.115	1506.6							
12.6	OBS	00105	13.91	35.902	26.92		1506.7							
	STD	00125	13.90	35.89	26.91	00.145	1507.0							
12.6	OBS	00145	13.90	35.889	26.91		1507.3							
	STD	00150	13.90	35.89	26.91	00.174	1507.4							
12.6	OBS	00193	13.92	35.904	26.92		1508.2							
	STD	00200	13.92	35.90	26.92	00.234	1508.3							
	STD	00250	13.90	35.90	26.92	00.295	1509.1							
12.6	OBS	00290	13.90	35.893	26.92		1509.7							
	STD	00300	13.91	35.89	26.91	00.356	1509.9							
12.6	OBS	T00588	13.92	35.894	26.91		1511.4							
	STD	00400	13.89	35.89	26.91	00.461	1511.5							
12.6	OBS	00487	13.88	35.829	26.91		1512.2							
	STD	00500	13.83	35.78	26.92	00.608	1511.5							
12.6	OBS	T00585	11.81	35.507	27.04		1507.1							
	STD	00600	11.48	35.46	27.06	00.730	1506.1							
	STD	00700	09.47	35.20	27.22	00.838	1500.2							
12.6	OBS	00787	07.97	35.053	27.34		1495.6							
	STD	00800	07.77	35.05	27.37	00.931	1495.3							
	STD	00960	06.36	35.01	27.52	01.009	1491.4							
12.6	OBS	T00980	05.44	34.964	27.63		1489.0							
12.6	OBS	T01492	04.01	34.921	27.74		1491.6							
	STD	01500	04.01	34.92	27.74		1491.7							
	STD	01750	03.87	34.93	27.77		1495.4							
	STD	02000	03.73	34.94	27.79		1499.0							
14.8	OBS	T02135	03.65	34.947	27.80		1501.0							
	STD	02500	03.42	34.95	27.82		1505.3							
14.8	OBS	T02674	03.31	34.954	27.84		1508.8							
	STD	03000	03.10	34.95	27.85		1513.5							
14.8	OBS	T03209	02.96	34.941	27.86		1516.6							
14.8	OBS	03742	02.62	34.926	27.88		1524.4							
	STD	04000	02.46	34.92	27.89		1528.5							
14.8	OBS	C4271	02.38	34.909	27.89		1532.7							
14.8	OBS	T04539	02.34	34.894	27.88		1537.3							

REFID 31 1422	YEAR 1969	BOTDP 04560	AIR TEMP 10.0	DIP HGT PER	WIND-DIR 09	INST NANSEN CAST	TEN SW 1306
CONSEC 0014	MONTH 03	SHIP 06	WET BULB 07.1	05 2	WIND-SPD 10	TRACE DIR	5 SQUARE 1
LAT 44 05 N	DAY 18	DATA USE 1	BAROMETR 1003.5	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 041 05 W	HOOR 12.5	AREA 05	CLCUD T/A 8/5	CL/TR	WEATHER X1	CRIG D31 014	1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SIG3	PH
12.5	STD	00000	13.87	35.90	26.92	00.000	1504.9							
	OBS	00000	13.87	35.896	26.92		1504.9							
	STD	00010	13.88	35.90	26.93	00.011	1505.1							
	STD	00020	13.88	35.90	26.93	00.022	1505.2							
12.5	OBS	00023	13.88	35.902	26.93		1505.3							
	STD	00030	13.87	35.90	26.93	00.034	1505.4							
12.5	OBS	J0048	13.87	35.902	26.93		1505.7							
	STD	00050	13.88	35.90	26.93	00.057	1505.7							
12.5	OBS	00071	13.92	35.902	26.92		1506.2							
	STD	00075	13.92	35.90	26.92	00.086	1506.3							
12.5	OBS	00096	13.90	35.898	26.92		1506.5							
	STD	00100	13.90	35.90	26.92	00.115	1506.6							
	STD	00125	13.91	35.90	26.92	00.144	1507.0							
12.5	OBS	00142	13.91	35.88	26.900		1507.5							
	STD	00150	13.91	35.90	26.92	00.174	1507.5							
12.5	OBS	T00190	13.92	35.898	26.92		1506.1							
	STD	00200	13.92	35.90	26.91	00.234	1506.3							
	STD	00250	13.92	35.89	26.91	00.295	1505.1							
12.5	OBS	00285	13.92	35.890	26.91		1509.7							
	STD	00300	13.92	35.89	26.91	00.356	1509.9							
12.5	OBS	T00380	13.92	35.88	26.900		1509.9							
	STD	00400	13.93	35.90	26.91	00.462	1511.6							
12.5	OBS	00473	13.94	35.900	26.91		1512.9							
	STD	00500	13.25	35.75	26.94	00.608	1510.9							
12.5	OBS	T00567	11.58	35.451	27.04		1505.9							
	STD	00600	10.75	35.35	27.11	00.726	1503.4							
	STD	00700	08.58	35.11	27.29	00.827	1496.8							
12.5	OBS	00749	07.71	35.031	27.36		1494.2							
	STD	00800	07.01	35.01	27.45	00.912	1492.3							
	STD	00900	05.65	34.98	27.56	00.983	1489.3							
12.5	OBS	T00924	05.61	34.978	27.61		1488.7							
12.5	OBS	T01414	04.17	34.946	27.75		1491.0							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.

OFFID 21 8005 YF93 1969 80TDP 04755 816 TEMP 14.2 015 HGT PEG 11 WIND-DIR 13 INST STD RECORDER TEN 53 1336
 CONCER 0001 MONTH 04 SHIP EN WET PULB 13.5 15 2 2 WIND-COD 14 TRAFIC DIR 0 5 SQUARE 1
 LAT 43 57 N DAY 11 DATA USE 1 PARAMETER 1021.8 SEA WIND-FOR OBSERVATION 0.4 2 SQUARE 25
 LONG 64 56 W HOUR 23.7 AREA 05 CLOUD 7/8 CLUTE WFBTHE4 X1 CHIS 03C 001 1 SQUARE 30

CASSTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	CHYC	P74	TOT P	M72	N03	S133	P4
23.7	STO	0000	14.05	35.85	26.85	00.000	1505.4							
	785	00000	14.05	35.847	26.85		1505.4							
	STO	00010	14.02	35.86	26.86	00.012	1505.5							
	785	00010	14.02	35.857	26.86		1505.5							
	STO	00020	13.78	35.86	25.91	00.023	1504.9							
	785	00020	13.78	35.858	25.91		1504.9							
	STO	00030	13.75	35.86	25.92	00.035	1504.9							
	785	00030	13.75	35.858	25.92		1504.9							
	STO	00050	12.72	35.86	25.93	00.058	1505.1							
	785	00050	12.72	35.850	25.93		1505.1							
	STO	00075	13.60	35.86	25.95	00.086	1505.2							
	785	00075	13.60	35.860	25.95		1505.2							
	STO	00100	13.57	35.86	25.96	00.115	1505.5							
	785	00100	13.57	35.861	25.96		1505.5							
	STO	00125	13.50	35.86	25.98	00.143	1505.7							
	785	00125	13.50	35.862	25.98		1505.7							
	STO	00150	13.54	35.87	25.97	00.171	1506.2							
	785	00150	13.54	35.870	25.97		1506.2							
	STO	00200	13.54	35.87	25.97	00.228	1507.0							
	785	00200	13.54	35.872	25.97		1507.0							
	STO	00250	13.57	35.88	25.97	00.286	1508.0							
	785	00250	13.57	35.880	25.97		1508.0							
	STO	00300	13.60	35.89	25.97	00.345	1508.9							
	785	00300	13.60	35.887	25.97		1508.9							
	STO	00400	13.69	35.90	25.97	00.464	1510.9							
	785	00400	13.69	35.905	25.97		1510.9							
	STO	00470	11.58	35.432	27.02		1504.3							
	785	00470	11.58	35.432	27.02		1504.3							
	STO	00475	11.75	35.503	27.05		1505.0							
	785	00475	11.75	35.503	27.05		1505.0							
	STO	00500	11.18	35.39	27.07	00.581	1503.3							
	785	00500	11.18	35.395	27.07		1503.3							
	STO	00600	08.78	35.74	27.20	00.686	1495.8							
	785	00600	08.78	35.74	27.20		1495.8							
	STO	00500	08.78	35.038	27.20		1495.8							
	785	00500	08.78	35.038	27.20		1495.8							
	STO	00610	08.24	34.970	27.23		1493.8							
	785	00610	08.24	34.970	27.23		1493.8							
	STO	00520	08.61	35.071	27.26		1495.5							
	785	00520	08.61	35.071	27.26		1495.5							
	STO	00700	06.85	35.07	27.48	00.772	1490.0							
	785	00700	06.85	35.07	27.48		1490.0							
	STO	00700	05.26	34.64	27.38									
	785	00700	05.26	34.64	27.38									
	STO	00750	06.18	34.994	27.55		1488.2							
	785	00750	06.18	34.994	27.55		1488.2							
	STO	00772	05.46	34.84	27.51									
	785	00772	05.46	34.84	27.51									
	STO	00800	05.83	34.97	27.57	00.840	1487.5							
	785	00800	05.83	34.97	27.57		1487.5							
	STO	00800	05.83	34.91	27.52									
	785	00800	05.83	34.91	27.52									
	STO	00820	05.84	34.958	27.56		1487.9							
	785	00820	05.84	34.958	27.56		1487.9							
	STO	00860	05.47	34.945	27.60		1487.1							
	785	00860	05.47	34.945	27.60		1487.1							
	STO	00880	05.61	34.995	27.62		1488.0							
	785	00880	05.61	34.995	27.62		1488.0							
	STO	00900	05.48	35.00	27.64	00.901	1487.8							
	785	00900	05.48	35.000	27.64		1487.8							
	STO	01000	04.88	34.97	27.69	00.957	1487.0							
	785	01000	04.88	34.973	27.69		1487.0							
	STO	01100	04.49	34.95	27.71	01.009	1487.0							
	785	01100	04.49	34.946	27.71		1487.0							
	STO	01200	04.30	34.94	27.73	01.059	1487.9							
	785	01200	04.30	34.940	27.73		1487.9							
	STO	01300	04.12	34.93	27.74	01.108	1488.8							
	785	01300	04.12	34.935	27.74		1488.8							
	STO	01400	04.01	34.94	27.76	01.157	1490.1							
	785	01400	04.01	34.938	27.76		1490.1							
	STO	01500	03.96	34.94	27.76	01.205	1491.5							
	785	01500	03.96	34.941	27.76		1491.5							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095	YEAR 1969	ROTOP 04755	AIP TEMP 14.4	OIP HGT PER	WIND-OIR 11	INST STD RECORDER	TEN SQ 1306
CONSEC 0002	MONTH 04	SHIP EN	WET RULB 14.4	11 1 2	WIND-SPO 15	TRACE OIP 0	5 SQUARE 1
LAT 43 58 N	DAY 12	DATA USE 1	BAROMETR 1030.0	SEA	WIND-FXP	DURATION 00.3	2 SQUARE 20
LONG 043 56 W	HOJR 05.8	AREA 05	CLOUD T/A	CL/TP	WEATHER X5	OPIG 032 002	1 SQUARE 30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SIG3	P4
05.8	STO	00000	13.65	35.81	25.91	00.000	1504.0							
	ORS	00000	13.65	35.815	25.91		1504.0							
	STO	00010	13.65	35.81	25.90		1504.2							
	ORS	00010	13.65	35.807	25.90	00.011	1504.2							
	STO	00020	13.54	35.81	25.92		1504.0							
	ORS	00020	13.54	35.806	25.92	00.023	1504.0							
	STO	00030	13.51	35.80	25.93		1504.1							
	ORS	00030	13.51	35.803	25.93	00.034	1504.1							
	STO	00050	13.50	35.81	25.93		1504.4							
	ORS	00050	13.50	35.809	25.93	00.057	1504.4							
	STO	00075	13.59	35.85	25.95		1505.1							
	ORS	00075	13.59	35.850	25.95	00.086	1505.1							
	STO	00100	13.66	35.87	25.95		1505.8							
	ORS	00100	13.66	35.871	25.95	00.114	1505.8							
	STO	00125	13.66	35.87	25.95		1506.2							
	ORS	00125	13.66	35.866	25.95	00.143	1506.2							
	STO	00150	13.67	35.87	25.95		1506.6							
	ORS	00150	13.67	35.870	25.95	00.172	1506.6							
	STO	00200	13.68	35.87	25.94		1507.5							
	ORS	00200	13.68	35.869	25.94	00.230	1507.5							
	STO	00250	13.61	35.85	25.94		1508.1							
	ORS	00250	13.61	35.848	25.94	00.290	1508.1							
	STO	00300	13.57	35.84	25.94		1508.7							
	ORS	00300	13.57	35.838	25.94	00.350	1508.7							
	STO	00400	13.55	35.83	25.94		1510.3							
	ORS	00400	13.55	35.831	25.94	00.472	1510.3							
	STO	00500	10.61	35.28	27.09		1501.2							
	ORS	00500	10.61	35.285	27.09	00.589	1501.2							
	STO	00530	08.97	34.996	27.14		1495.3							
	ORS	00530	08.97	34.996	27.14		1495.3							
	STO	00600	08.53	35.07	27.26		1497.6							
	ORS	00600	08.53	35.066	27.26	00.690	1497.6							
	STO	00700	05.46	34.71	27.41		1484.1							
	ORS	00700	05.46	34.712	27.41	00.775	1484.1							
	STO	00725	05.67	34.806	27.46		1485.4							
	ORS	00725	05.67	34.806	27.46		1485.4							
	STO	00745	05.20	34.774	27.48		1484.1							
	ORS	00745	05.20	34.774	27.48		1484.1							
	STO	00750	05.41	34.812	27.50		1484.8							
	ORS	00750	05.41	34.812	27.50		1484.8							
	STO	00770	05.18	34.815	27.53		1484.2							
	ORS	00770	05.18	34.815	27.53		1484.2							
	STO	00800	05.63	34.92	27.56		1486.7							
	ORS	00800	05.63	34.923	27.56	00.845	1486.7							
	STO	00840	05.13	34.877	27.58		1485.3							
	ORS	00840	05.13	34.877	27.58		1485.3							
	STO	00855	05.50	34.968	27.61		1487.1							
	ORS	00855	05.50	34.968	27.61		1487.1							
	STO	00900	05.34	34.97	27.64		1487.2							
	ORS	00900	05.34	34.974	27.64	00.906	1487.2							
	STO	01000	04.74	34.93	27.67		1486.4							
	ORS	01000	04.74	34.933	27.67	00.962	1486.4							
	STO	01100	04.45	34.92	27.69		1486.8							
	ORS	01100	04.45	34.919	27.69	01.015	1486.8							
	STO	01200	04.27	34.92	27.71		1487.8							
	ORS	01200	04.27	34.917	27.71	01.067	1487.8							
	STO	01300	04.16	34.92	27.73		1489.0							
	ORS	01300	04.16	34.922	27.73	01.118	1489.0							
	STO	01400	04.02	34.92	27.74		1490.1							
	ORS	01400	04.02	34.917	27.74	01.168	1490.1							
	STO	01500	03.90	34.92	27.76		1491.3							
	ORS	01500	03.90	34.921	27.76	01.218	1491.3							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095	YEAR 1969	BOTDP 04755	AIR TEMP 14.4	DIP HGT PER	WIND-DIR 17	INST STO RECORDER	TEN SQ 1336
CONSEC 0003	MONTH 04	SHIP EN	WET BULB 13.9	20 1 2	WIND-SPD 15	TRACE DIR 0	5 SQUARE 1
LAT 44 11 N	DAY 12	DATA USE 1	BAROMETR 1030.8	SEA	WIND-FJR	DURATION 00.5	2 SQUARE 40
LONG 041 07 W	HOJR 12.3	AREA C5	CLOUD T/A	CL/FP	WEATHER X1	OPIS 032 003	1 SQUARE 41

CASSTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDRPH	SNO VEL	DRGR	P34	TOT P	NO2	NO3	SIG3	P4
12.0	STO	00200	13.94	35.88	26.89	00.000	1505.1							
	085	00000	13.94	35.876	26.89		1505.1							
	STO	00010	13.89	35.88	26.90	00.011	1505.1							
	085	00010	13.89	35.876	26.90		1505.1							
	STO	00020	13.88	35.88	26.91	00.023	1505.2							
	085	00020	13.88	35.875	26.91		1505.2							
	STO	00030	13.86	35.87	26.91	00.034	1505.3							
	085	00030	13.86	35.872	26.91		1505.3							
	STO	00050	13.75	35.84	26.91	00.058	1505.2							
	085	00050	13.75	35.843	26.91		1505.2							
	STO	00075	13.76	35.85	26.91	00.087	1505.7							
	085	00075	13.76	35.849	26.91		1505.7							
	STO	00100	13.76	35.85	26.91	00.116	1506.1							
	085	00100	13.76	35.850	26.91		1506.1							
	STO	00125	13.77	35.85	26.91	00.146	1506.5							
	085	00125	13.77	35.850	26.91		1506.5							
	STO	00150	13.58	35.82	26.93	00.176	1506.3							
	085	00150	13.58	35.821	26.93		1506.3							
	STO	00200	13.59	35.85	26.94	00.235	1507.2							
	085	00200	13.59	35.846	26.94		1507.2							
	STO	00250	13.59	35.85	26.95	00.294	1508.0							
	085	00250	13.59	35.847	26.95		1508.0							
	STO	00300	13.53	35.83	26.94	00.354	1508.6							
	085	00300	13.53	35.827	26.94		1508.6							
	STO	00400	13.33	35.76	26.93	00.476	1509.5							
	085	00400	13.33	35.760	26.93		1509.5							
	STO	00500	09.93	35.12	27.08	00.593	1498.5							
	085	00500	09.93	35.124	27.08		1498.5							
	085	00515	08.97	35.004	27.15		1495.1							
	085	00522	09.47	35.140	27.17		1497.2							
	STO	00600	08.10	35.03	27.30	00.693	1493.2							
	085	00600	08.10	35.030	27.30		1493.2							
	085	00662	05.18	34.630	27.38		1482.2							
	STO	00700	05.68	34.85	27.50	00.772	1485.1							
	085	00700	05.68	34.851	27.50		1485.1							
	085	00725	06.68	35.052	27.52		1489.8							
	STO	00800	05.56	34.92	27.57	00.838	1486.4							
	085	00800	05.56	34.925	27.57		1486.4							
	STO	00900	05.08	34.93	27.63	00.898	1486.1							
	085	00900	05.08	34.931	27.63		1486.1							
	STO	01000	04.71	34.93	27.67	00.954	1486.3							
	085	01000	04.71	34.929	27.67		1486.3							
	STO	01100	04.46	34.93	27.70	01.007	1486.9							
	085	01100	04.46	34.926	27.70		1486.9							
	STO	01200	04.25	34.92	27.72	01.059	1487.7							
	085	01200	04.25	34.917	27.72		1487.7							
	STO	01300	04.10	34.91	27.73	01.109	1488.7							
	085	01300	04.10	34.913	27.73		1488.7							
	STO	01400	03.92	34.90	27.74	01.159	1489.6							
	085	01400	03.92	34.904	27.74		1489.6							
	STO	01500	03.85	34.90	27.75	01.209	1491.0							
	085	01500	03.85	34.905	27.75		1491.0							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

PEFID 31 8095 YEAR 1969 BOTDP 04755 AIR TEMP 15.6 OIR HGT PER WIND-DIR 13 INST STO RECORDER TEN SQ 1306
 CONSEC 0004 MONTH 04 SHIP EN WET BULB 15.5 18 1 2 WIND-SPO 19 TRACE DIR 0 5 SQUARE 1
 LAT 44 12 N DAY 12 DATA USE 1 BAROMETR 1028.0 SEA WIND-FJR WIND-PRR 00.6 2 SQUARE 40
 LONG 040 46 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 032 034 1 SQUARE 40

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	DXYG	P74	TOT P	N02	N03	S133	PH
18.0	STO	00000	13.98	35.81	26.83	00.000	1505.1							
	ORS	00000	13.98	35.808	26.83		1505.1							
	STO	00010	13.92	35.81	26.84	00.012	1505.1							
	ORS	00010	13.92	35.806	26.84		1505.1							
	STO	00020	13.76	35.85	26.91	00.024	1504.8							
	ORS	00020	13.76	35.846	26.91		1504.8							
	STO	00030	13.78	35.85	26.91	00.035	1505.0							
	ORS	00030	13.78	35.854	26.91		1505.0							
	STO	00050	13.84	35.87	26.91	00.059	1505.6							
	ORS	00050	13.84	35.873	26.91		1505.6							
	STO	00075	13.49	35.79	26.92	00.088	1504.7							
	ORS	00075	13.49	35.788	26.92		1504.7							
	STO	00100	13.45	35.78	26.92	00.117	1505.0							
	ORS	00100	13.45	35.776	26.92		1505.0							
	STO	00125	13.50	35.79	26.92	00.146	1505.6							
	ORS	00125	13.50	35.789	26.92		1505.6							
	STO	00150	13.77	35.86	26.92	00.176	1507.0							
	ORS	00150	13.77	35.860	26.92		1507.0							
	STO	00200	13.56	35.81	26.93	00.235	1507.0							
	ORS	00200	13.56	35.814	26.93		1507.0							
	STO	00210	13.49	35.812	26.94		1507.0							
	ORS	00210	13.49	35.812	26.94		1507.0							
	STO	00250	13.66	35.86	26.94	00.295	1508.2							
	ORS	00250	13.66	35.862	26.94		1508.2							
	STO	00300	13.65	35.86	26.95	00.355	1509.0							
	ORS	00300	13.65	35.864	26.95		1509.0							
	STO	00345	13.47	35.817	26.95		1509.1							
	ORS	00345	13.47	35.817	26.95		1509.1							
	STO	00400	12.18	35.52	26.98	00.475	1505.3							
	ORS	00400	12.18	35.519	26.98		1505.3							
	STO	00500	10.37	35.25	27.10	00.589	1500.3							
	ORS	00500	10.37	35.253	27.10		1500.3							
	STO	00520	09.18	35.053	27.15		1496.0							
	ORS	00520	09.18	35.053	27.15		1496.0							
	STO	00522	09.36	35.093	27.15		1496.7							
	ORS	00522	09.36	35.093	27.15		1496.7							
	STO	00530	09.18	35.064	27.16		1496.2							
	ORS	00530	09.18	35.064	27.16		1496.2							
	STO	00535	09.57	35.184	27.19		1497.8							
	ORS	00535	09.57	35.184	27.19		1497.8							
	STO	00600	07.93	35.02	27.32	00.687	1492.5							
	ORS	00600	07.93	35.016	27.32		1492.5							
	STO	00655	06.97	34.938	27.39		1489.6							
	ORS	00655	06.97	34.938	27.39		1489.6							
	STO	00670	07.18	34.999	27.41		1490.8							
	ORS	00670	07.18	34.999	27.41		1490.8							
	STO	00700	06.63	34.97	27.47	00.767	1489.1							
	ORS	00700	06.63	34.970	27.47		1489.1							
	STO	00800	05.73	34.96	27.58	00.835	1487.1							
	ORS	00800	05.73	34.963	27.58		1487.1							
	STO	00820	05.86	35.000	27.59		1488.0							
	ORS	00820	05.86	35.000	27.59		1488.0							
	STO	00850	05.46	34.955	27.61		1486.9							
	ORS	00850	05.46	34.955	27.61		1486.9							
	STO	00860	05.64	34.995	27.62		1487.6							
	ORS	00860	05.64	34.995	27.62		1487.6							
	STO	00900	05.00	34.92	27.63	00.895	1485.8							
	ORS	00900	05.00	34.92	27.63		1485.8							
	STO	00920	05.08	34.956	27.65		1486.5							
	ORS	00920	05.08	34.956	27.65		1486.5							
	STO	01000	04.76	34.93	27.67	00.951	1486.5							
	ORS	01000	04.76	34.932	27.67		1486.5							
	STO	01040	04.79	34.952	27.68		1487.3							
	ORS	01040	04.79	34.952	27.68		1487.3							
	STO	01080	04.59	34.933	27.69		1487.1							
	ORS	01080	04.59	34.933	27.69		1487.1							
	STO	01100	04.86	34.99	27.71	01.004	1488.6							
	ORS	01100	04.86	34.993	27.71		1488.6							
	STO	01200	04.39	34.95	27.72	01.056	1488.3							
	ORS	01200	04.39	34.947	27.72		1488.3							
	STO	01300	04.07	34.91	27.73	01.106	1488.6							
	ORS	01300	04.07	34.911	27.73		1488.6							
	STO	01400	03.96	34.91	27.74	01.156	1489.8							
	ORS	01400	03.96	34.906	27.74		1489.8							
	STO	01500	03.88	34.91	27.75	01.206	1491.2							
	ORS	01500	03.88	34.915	27.75		1491.2							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095	YEAR 1969	ROTOP 04755	AIR TEMP 15.0	DIP HGT PER	WIND-DIR 13	INST STD RECORDER	YEN S2 1336
CONSEC 0005	MONTH 04	SHIP EN	WET BULB 14.7	19 1 2	WIND-SPD 14	TRACE DIR 0	5 SQUARE 1
LAT 44 01 N	DAY 13	DATA USE 1	BAROMETR 1028.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 40
LONG 041 01 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 032 005	1 SQUARE 42

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	S133	P4
00.0	STD	00000	14.24	35.93	26.87	00.000	1506.1							
	OBS	00000	14.24	35.928	26.87		1506.1							
	STD	00010	14.22	35.92	26.87	00.011	1506.2							
	OBS	00010	14.22	35.924	26.87		1506.2							
	STD	00020	14.19	35.91	26.87	00.023	1506.3							
	OBS	00020	14.19	35.915	26.87		1506.3							
	STD	00030	14.09	35.90	26.88	00.035	1506.1							
	OBS	00030	14.09	35.905	26.88		1506.1							
	STD	00050	13.82	35.84	26.89	00.059	1505.4							
	OBS	00050	13.82	35.837	26.89		1505.4							
	STD	00075	13.75	35.84	26.90	00.089	1505.6							
	OBS	00075	13.75	35.837	26.90		1505.6							
	STD	00100	13.67	35.83	26.91	00.118	1505.8							
	OBS	00100	13.67	35.828	26.91		1505.8							
	STD	00125	13.22	35.70	26.91	00.148	1504.5							
	OBS	00125	13.22	35.698	26.91		1504.5							
	OBS	00140	12.93	35.649	26.93		1503.7							
	STD	00150	12.92	35.65	26.93	00.177	1503.9							
	OBS	00150	12.92	35.649	26.93		1503.9							
	OBS	00160	12.88	35.650	26.94		1503.9							
	OBS	00180	13.66	35.870	26.95		1507.1							
	STD	00200	13.54	35.83	26.94	00.236	1507.0							
	OBS	00200	13.54	35.826	26.94		1507.0							
	OBS	00230	13.69	35.875	26.95		1508.0							
	STD	00250	13.60	35.85	26.94	00.296	1508.0							
	OBS	00250	13.60	35.848	26.94		1508.0							
	STD	00300	13.20	35.77	26.97	00.355	1507.4							
	OBS	00300	13.20	35.775	26.97		1507.4							
	OBS	00310	13.07	35.772	26.99		1507.2							
	STD	00400	10.83	35.30	27.06	00.469	1500.3							
	OBS	00400	10.83	35.298	27.06		1500.3							
	STD	00500	08.43	35.07	27.29	00.569	1492.9							
	OBS	00500	08.43	35.073	27.29		1492.9							
	OBS	00572	05.17	34.604	27.36		1480.6							
	OBS	00590	05.53	34.675	27.38		1482.5							
	STD	00600	05.22	34.66	27.40	00.652	1481.3							
	OBS	00600	05.22	34.660	27.40		1481.3							
	OBS	00610	04.98	34.660	27.43		1480.5							
	OBS	00655	05.75	34.887	27.52		1484.7							
	OBS	00675	05.35	34.848	27.53		1483.4							
	OBS	00690	05.54	34.898	27.55		1484.5							
	STD	00700	05.28	34.86	27.55	00.721	1483.5							
	OBS	00700	05.28	34.859	27.55		1483.5							
	OBS	00735	05.06	34.868	27.58		1483.2							
	OBS	00785	05.22	34.922	27.61		1484.8							
	STD	00800	05.06	34.91	27.62	00.781	1484.3							
	OBS	00800	05.06	34.912	27.62		1484.3							
	OBS	00850	04.78	34.914	27.65		1484.0							
	OBS	00870	04.92	34.955	27.67		1485.0							
	STD	00900	04.70	34.93	27.67	00.837	1484.6							
	OBS	00900	04.70	34.926	27.67		1484.6							
	OBS	00935	04.61	34.922	27.68		1484.8							
	OBS	00960	04.71	34.948	27.69		1485.6							
	STD	01000	04.61	34.94	27.69	00.889	1485.9							
	OBS	01000	04.61	34.939	27.69		1485.9							
	OBS	01030	04.65	34.960	27.71		1486.6							
	OBS	01050	04.38	34.921	27.70		1485.7							
	OBS	01070	04.45	34.942	27.71		1486.4							
	STD	01100	04.33	34.92	27.71	00.940	1486.3							
	OBS	01100	04.33	34.923	27.71		1486.3							
	STD	01200	04.09	34.91	27.73	00.990	1487.0							
	OBS	01200	04.09	34.911	27.73		1487.0							
	STD	01300	03.89	34.90	27.74	01.039	1487.8							
	OBS	01300	03.89	34.898	27.74		1487.8							
	STD	01400	03.87	34.91	27.75	01.088	1489.4							
	OBS	01400	03.87	34.913	27.75		1489.4							
	STD	01500	03.82	34.92	27.76	01.136	1490.9							
	OBS	01500	03.82	34.917	27.76		1490.9							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095	YEAR 1969	ROTOP 04755	AIR TEMP 14.6	OIR HGT PER	#IVO-OIR 19	INST STO RECORDER	TEN SQ 1306
CONSEC 0006	MOHT-1 04	SHIP EN	WET BULB 14.3	19 1 2	WIND-SPO 15	TRACE OIR 0	5 SQUARE 1
LAT 44 00 N	DAY 13	DATA USE 1	BAROMETR 1025.0	SEA	WIND-FDP	DURATION 00.5	2 SQUARE 40
LONG 041 00 W	HOUR 06.0	AREA 05	CLOUD T/A	CL/TP	WEATHER X3	DRIG 032 006	1 SQUARE 41

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	S133	PH
06.0	STO	00000	14.25	35.93	26.87	00.000	1506.1							
	085	00000	14.25	35.927	26.87		1506.1							
	STO	00010	14.25	35.93	26.87	00.011	1506.3							
	085	00010	14.25	35.927	26.87		1506.3							
	STO	00020	14.22	35.92	26.87	00.023	1506.4							
	085	00020	14.22	35.918	26.87		1506.4							
	STO	00030	13.72	35.82	26.90	00.035	1504.8							
	085	00030	13.72	35.823	26.90		1504.8							
	STO	00050	13.62	35.82	26.92	00.059	1504.8							
	085	00050	13.62	35.824	26.92		1504.8							
	STO	00075	13.55	35.81	26.93	00.088	1504.9							
	085	00075	13.55	35.815	26.93		1504.9							
	STO	00100	13.53	35.83	26.94	00.116	1505.3							
	085	00100	13.53	35.826	26.94		1505.3							
	STO	00125	13.53	35.83	26.94	00.145	1505.7							
	085	00125	13.53	35.826	26.94		1505.7							
	STO	00150	13.54	35.83	26.94	00.174	1506.2							
	085	00150	13.54	35.832	26.94		1506.2							
	STO	00200	13.60	35.84	26.94	00.233	1507.2							
	085	00200	13.60	35.845	26.94		1507.2							
	STO	00250	13.48	35.82	26.95	00.292	1507.6							
	085	00250	13.48	35.819	26.95		1507.6							
	STO	00300	13.38	35.80	26.95	00.352	1508.1							
	085	00300	13.38	35.796	26.95		1508.1							
	STO	00354	11.11	35.325	27.03		1500.6							
	085	00359	11.29	35.393	27.05		1501.4							
	STO	00400	09.93	35.28	27.20	00.460	1497.1							
	085	00400	09.93	35.276	27.20		1497.1							
	STO	00500	08.18	35.04	27.30	00.552	1491.9							
	085	00500	08.18	35.045	27.30		1491.9							
	STO	00541	05.47	34.641	27.36		1481.4							
	085	00549	05.64	34.682	27.37		1482.2							
	STO	00555	05.29	34.639	27.38		1480.9							
	085	00562	05.39	34.687	27.40		1481.4							
	STO	00580	05.08	34.633	27.40		1480.4							
	085	00585	04.89	34.643	27.43		1479.7							
	STO	00600	05.06	34.70	27.46	00.631	1480.8							
	085	00600	05.06	34.704	27.46		1480.8							
	STO	00630	05.81	34.885	27.51		1484.5							
	085	00700	05.15	34.87	27.57	00.697	1483.0							
	STO	00700	05.15	34.867	27.57		1483.0							
	085	00800	04.96	34.91	27.63	00.755	1483.9							
	STO	00800	04.96	34.911	27.63		1483.9							
	085	00880	04.68	34.917	27.67		1484.1							
	STO	00900	04.85	34.95	27.67	00.810	1485.2							
	085	00900	04.85	34.947	27.67		1485.2							
	STO	00930	04.85	34.967	27.69		1485.7							
	085	01000	04.48	34.92	27.69	00.863	1485.3							
	STO	01000	04.48	34.916	27.69		1485.3							
	085	01100	04.23	34.91	27.71	00.914	1485.9							
	STO	01100	04.23	34.912	27.71		1485.9							
	085	01200	04.06	34.91	27.73	00.964	1486.9							
	STO	01200	04.06	34.910	27.73		1486.9							
	085	01300	03.91	34.91	27.74	01.012	1487.9							
	STO	01300	03.91	34.909	27.74		1487.9							
	085	01400	03.81	34.90	27.75	01.061	1489.2							
	STO	01400	03.81	34.901	27.75		1489.2							
	085	01500	03.85	34.92	27.76	01.109	1491.1							
	STO	01500	03.85	34.921	27.76		1491.1							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April– May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095	YEAR 1969	BOTDP 04755	AIR TEMP 15.0	OIR HGT PER	WIND-DIR 20	INST STO RECORDER	TEN SJ 1306
CONSEC 0007	MONTH 04	SHIP EN	WET BULB 15.0	20 1 2	WIND-SPD 19	TRACE DIR 0	5 SQUARE 1
LAT 44 00 N	DAY 13	DATA USE 1	BAPOMETR 1025.4	SEA	WIND-FJR	DURATION 00.4	2 SQUARE 40
LONG 041 01 W	HOUR 12.0	AREA 05	CLOUD T/4	CL/TR	WEATHER X2	ORIG 032 007	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P74	TOT P	NO2	NO3	STC3	P4
12.0	STO	00000	14.18	35.91	26.87	00.000	1505.9							
	OBS	00000	14.18	35.909	26.87		1505.9							
	STO	00010	14.16	35.91	26.87	00.011	1506.0							
	OBS	00010	14.16	35.911	26.87		1506.0							
	STO	00020	14.17	35.91	26.87	00.023	1506.2							
	OBS	00020	14.17	35.912	26.87		1506.2							
	STO	00030	14.15	35.91	26.88	00.035	1506.3							
	OBS	00030	14.15	35.910	26.88		1506.3							
	OBS	00045	14.15	35.911	26.88		1506.5							
	STO	00050	13.79	35.85	26.91	00.059	1505.4							
	OBS	00050	13.79	35.853	26.91		1505.4							
	STO	00075	13.64	35.81	26.91	00.088	1505.2							
	OBS	00075	13.64	35.814	26.91		1505.2							
	STO	00100	13.60	35.83	26.93	00.117	1505.5							
	OBS	00100	13.60	35.828	26.93		1505.5							
	STO	00125	13.57	35.84	26.94	00.147	1505.9							
	OBS	00125	13.57	35.836	26.94		1505.9							
	STO	00150	13.57	35.84	26.94	00.176	1506.3							
	OBS	00150	13.57	35.836	26.94		1506.3							
	STO	00200	13.50	35.82	26.94	00.234	1506.8							
	OBS	00200	13.50	35.821	26.94		1506.8							
	STO	00250	13.49	35.83	26.95	00.293	1507.6							
	OBS	00250	13.49	35.830	26.95		1507.6							
	STO	00300	12.97	35.68	26.94	00.353	1506.5							
	OBS	00300	12.97	35.682	26.94		1506.5							
	OBS	00350	10.58	35.234	27.05		1498.5							
	OBS	00365	10.93	35.324	27.06		1500.1							
	STO	00400	10.10	35.24	27.14	00.464	1497.6							
	OBS	00400	10.10	35.240	27.14		1497.6							
	OBS	00490	08.28	35.039	27.28		1492.1							
	STO	00500	06.63	34.74	27.28	00.559	1485.5							
	OBS	00500	06.63	34.739	27.28		1485.5							
	OBS	00560	04.90	34.571	27.37		1479.3							
	OBS	00590	05.13	34.682	27.43		1480.8							
	OBS	00595	04.96	34.662	27.43		1480.2							
	STO	00600	05.03	34.71	27.47	00.637	1480.6							
	OBS	00600	05.03	34.713	27.47		1480.6							
	OBS	00630	05.80	34.894	27.52		1484.5							
	OBS	00670	05.28	34.865	27.56		1483.0							
	OBS	00690	05.38	34.916	27.58		1483.8							
	STO	00700	05.20	34.91	27.60	00.701	1483.3							
	OBS	00700	05.20	34.906	27.60		1483.3							
	OBS	00740	04.95	34.883	27.61		1482.9							
	STO	00800	04.88	34.91	27.64	00.758	1483.6							
	OBS	00800	04.88	34.910	27.64		1483.6							
	OBS	00830	04.75	34.908	27.65		1483.6							
	OBS	00855	04.79	34.931	27.67		1484.2							
	OBS	00878	04.56	34.897	27.67		1483.6							
	OBS	00883	04.68	34.931	27.68		1484.2							
	STO	00900	04.67	34.93	27.68	00.812	1484.4							
	OBS	00900	04.67	34.931	27.68		1484.4							
	OBS	00910	04.67	34.932	27.68		1484.6							
	OBS	00980	04.38	34.911	27.70		1484.5							
	OBS	00983	04.48	34.936	27.71		1485.0							
	STO	01000	04.46	34.93	27.70	00.864	1485.2							
	OBS	01000	04.46	34.928	27.70		1485.2							
	STO	01100	04.23	34.92	27.72	00.914	1485.9							
	OBS	01100	04.23	34.921	27.72		1485.9							
	STO	01200	04.07	34.91	27.73	00.963	1486.9							
	OBS	01200	04.07	34.914	27.73		1486.9							
	STO	01300	03.94	34.90	27.73	01.012	1488.0							
	OBS	01300	03.94	34.897	27.73		1488.0							
	STO	01400	03.87	34.91	27.75	01.061	1489.4							
	OBS	01400	03.87	34.911	27.75		1489.4							
	STO	01500	03.77	34.91	27.76	01.109	1490.7							
	OBS	01500	03.77	34.915	27.76		1490.7							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095 YEAR 1969 ROTOP 04755 AIR TEMP 12.7 OIR HGT PER WIND-DIP 20 INST STO RECORDER TEN SQ 1306
 CONSEC 0008 MONTH 04 SHIP EN WET BULB 12.1 20 1 2 WIND-SPD 19 TRACE DIR 0 5 SQUARE 1
 LAT 44 11 N DAY 13 DATA USE 1 BARDMETP 1024.0 SEA WIND-FRZ OUPATION 00.4 2 SQUARE 40
 LONG 040 56 W HOUR 18.0 AREA 05 CLOUD 7/4 CL/TP WEATHER X2 ORIG D32 008 1 SQUARE 40

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	DRYG	PJ4	TOT P	NO2	NO3	SIO	P4
18.0	STD	00000	07.92	33.90	26.44	00.000	1481.2							
	DBS	00000	07.92	33.897	26.44		1481.2							
	STD	00010	07.79	33.91	26.47	00.015	1480.9							
	DBS	00010	07.79	33.907	26.47		1480.9							
	STD	00020	07.52	34.04	26.61	00.030	1480.1							
	DBS	00020	07.51	34.038	26.61		1480.1							
	STD	00030	08.44	34.30	26.68	00.045	1484.2							
	DBS	00030	08.44	34.298	26.68		1484.2							
	DBS	00035	08.22	34.278	26.69		1483.4							
	DBS	00041	08.51	34.428	26.77		1484.8							
	STD	00050	08.46	34.44	26.78	00.071	1484.8							
	DBS	00050	08.46	34.439	26.78		1484.8							
	STD	00075	10.69	35.04	26.88	00.102	1494.2							
	DBS	00080	11.14	35.160	26.89		1496.0							
	DBS	00085	10.26	35.000	26.93		1492.7							
	DBS	00090	10.84	35.120	26.92		1495.0							
	DBS	00095	10.39	35.020	26.92		1493.4							
	STD	00100	10.67	35.10	26.93	00.132	1494.6							
	DBS	00100	10.67	35.101	26.93		1494.6							
	DBS	00110	11.42	35.301	26.95		1497.6							
	STD	00125	10.32	35.04	26.95	00.160	1493.7							
	STD	00150	08.88	34.80	27.00	00.188	1488.5							
	DBS	00150	08.88	34.797	27.00		1488.5							
	DBS	00161	08.40	34.763	27.05		1486.8							
	DBS	00170	09.00	34.883	27.05		1483.3							
	DBS	00185	08.58	34.824	27.07		1487.9							
	DBS	00195	09.04	34.974	27.11		1490.0							
	STD	00200	08.98	34.95	27.11	00.241	1489.8							
	DBS	00200	08.98	34.954	27.11		1489.8							
	DBS	00211	08.60	34.910	27.13		1488.5							
	DBS	00220	08.86	34.965	27.13		1489.7							
	STD	00250	07.73	34.79	27.17	00.290	1485.7							
	DBS	00250	07.73	34.786	27.17		1485.7							
	DBS	00253	08.09	34.886	27.19		1487.3							
	DBS	00255	07.74	34.836	27.20		1485.9							
	DBS	00260	08.26	34.956	27.22		1488.1							
	DBS	00265	07.67	34.866	27.24		1485.8							
	DBS	00271	08.27	34.967	27.23		1488.4							
	STD	00300	06.52	34.71	27.28	00.335	1481.7							
	DBS	00300	06.52	34.710	27.28		1481.7							
	DBS	00328	05.13	34.507	27.29		1476.3							
	DBS	00332	05.47	34.567	27.30		1477.8							
	DBS	00355	05.09	34.530	27.31		1476.6							
	DBS	00385	05.88	34.721	27.37		1480.6							
	DBS	00395	05.55	34.671	27.37		1479.3							
	STD	00400	05.78	34.75	27.40	00.414	1480.4							
	DBS	00400	05.78	34.751	27.40		1480.4							
	DBS	00420	06.48	34.892	27.43		1483.8							
	DBS	00450	04.94	34.663	27.44		1477.7							
	DBS	00457	05.21	34.733	27.46		1479.0							
	DBS	00480	04.96	34.734	27.49		1478.4							
	STD	00500	05.17	34.81	27.53	00.483	1479.7							
	DBS	00500	05.17	34.809	27.53		1479.7							
	DBS	00511	05.23	34.837	27.54		1480.2							
	DBS	00520	05.02	34.796	27.53		1479.4							
	DBS	00560	05.71	34.977	27.59		1483.1							
	STD	00600	05.17	34.93	27.62	00.542	1481.5							
	DBS	00600	05.17	34.929	27.62		1481.5							
	DBS	00620	04.95	34.911	27.63		1480.9							
	DBS	00640	05.07	34.950	27.65		1481.8							
	DBS	00647	04.91	34.928	27.65		1481.2							
	DBS	00680	05.01	34.956	27.66		1482.2							
	STD	00700	04.85	34.94	27.67	00.596	1481.9							
	DBS	00700	04.85	34.939	27.67		1481.9							
	DBS	00720	04.67	34.921	27.67		1481.4							
	DBS	00770	04.80	34.965	27.69		1482.9							
	STD	00800	04.65	34.95	27.70	00.646	1482.7							
	DBS	00800	04.65	34.951	27.70		1482.7							
	STD	00900	04.51	34.97	27.73	00.695	1483.8							
	DBS	00900	04.51	34.967	27.73		1483.8							
	STD	01000	04.33	34.96	27.74	00.742	1484.7							
	DBS	01000	04.33	34.959	27.74		1484.7							
	STD	01100	04.21	34.96	27.76	00.788	1485.9							
	DBS	01100	04.21	34.964	27.76		1485.9							
	STD	01200	04.06	34.95	27.76	00.834	1486.9							
	DBS	01200	04.06	34.951	27.76		1486.9							
	STD	01300	03.99	34.95	27.77	00.880	1488.3							
	DBS	01300	03.99	34.955	27.77		1488.3							
	STD	01400	03.86	34.95	27.78	00.926	1489.5							
	DBS	01400	03.86	34.950	27.78		1489.5							
	STD	01500	03.86	34.96	27.79	00.971	1491.2							
	DBS	01500	03.86	34.965	27.79		1491.2							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095 YEAR 1969 BNOTOP 04755 AIR TEMP 07.2 OIR HST PER WIND-DIR 27 INST STO RECORDER TEN SQ 1306
 CONSEC 0009 MONTH 04 SHIP EN WET BULB 06.8 27 2 2 WIND-SPO 22 TRACE OIR 0 5 SQUARE 1
 LAT 44 20 N DAY 16 DATA USE 1 BAROMETR 1001.0 SEA WIND-FDR WIND-FDR 00.4 2 SQUARE 40
 LONG 041 08 W HOJP 12.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 OPRIS 032 009 1 SQUARE 41

CAS/NUM/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	OYNORTH	SNO VEL	DXYG	P34	TOT P	NO2	NO3	S173	P4
12.0	STD	00000	14.39	35.99	26.89	00.000	1506.7							
	ONS	00000	14.39	35.990	26.89		1506.7							
	STD	00010	14.39	35.99	26.88	00.011	1506.8							
	ONS	00010	14.39	35.989	26.88		1506.8							
	STD	00020	14.39	35.99	26.88	00.023	1507.0							
	ONS	00020	14.39	35.989	26.88		1507.0							
	STD	00030	14.39	35.99	26.88	00.035	1507.2							
	ONS	00030	14.39	35.987	26.88		1507.2							
	STD	00050	14.39	35.99	26.88	00.059	1507.5							
	ONS	00050	14.39	35.986	26.88		1507.5							
	STD	00075	14.38	35.99	26.89	00.089	1507.9							
	ONS	00075	14.38	35.987	26.89		1507.9							
	STD	00100	14.35	35.98	26.89	00.119	1508.2							
	ONS	00100	14.35	35.978	26.89		1508.2							
	STD	00125	14.29	35.97	26.89	00.149	1508.4							
	ONS	00125	14.29	35.966	26.89		1508.4							
	STD	00150	14.32	35.99	26.90	00.179	1508.9							
	ONS	00150	14.32	35.990	26.90		1508.9							
	STD	00200	14.51	36.03	26.89	00.240	1510.4							
	ONS	00200	14.51	36.031	26.89		1510.4							
	STD	00250	14.37	35.98	26.88	00.302	1510.7							
	ONS	00250	14.37	35.983	26.88		1510.7							
	STD	00300	14.30	35.96	26.89	00.365	1511.3							
	ONS	00300	14.30	35.965	26.89		1511.3							
	STD	00320	14.39	35.986	26.88		1511.9							
	ONS	00320	14.39	35.986	26.88		1511.9							
	STD	00400	12.01	35.51	27.00	00.487	1504.7							
	ONS	00400	12.01	35.509	27.00		1504.7							
	STD	00500	09.58	35.11	27.13	00.598	1497.2							
	ONS	00500	09.58	35.112	27.13		1497.2							
	STD	00550	08.46	35.024	27.24		1493.7							
	ONS	00550	08.46	35.024	27.24		1493.7							
	STD	00600	08.08	35.036	27.31	00.694	1493.1							
	ONS	00600	08.08	35.036	27.31		1493.1							
	STD	00630	05.61	34.667	27.36		1483.4							
	ONS	00630	05.61	34.667	27.36		1483.4							
	STD	00650	06.68	34.908	27.41		1468.4							
	ONS	00650	06.68	34.908	27.41		1468.4							
	STD	00680	06.18	34.859	27.44		1466.8							
	ONS	00680	06.18	34.859	27.44		1466.8							
	STD	00700	06.60	34.98	27.48	00.774	1489.0							
	ONS	00700	06.60	34.98	27.48		1489.0							
	STD	00730	06.82	35.081	27.53		1490.5							
	ONS	00730	06.82	35.081	27.53		1490.5							
	STD	00800	05.85	34.97	27.57	00.842	1487.6							
	ONS	00800	05.85	34.97	27.57		1487.6							
	STD	00900	05.10	34.95	27.64	00.902	1486.2							
	ONS	00900	05.10	34.947	27.64		1486.2							
	STD	01000	04.71	34.94	27.68	00.957	1486.3							
	ONS	01000	04.71	34.941	27.68		1486.3							
	STD	01100	04.47	34.94	27.71	01.009	1487.0							
	ONS	01100	04.47	34.944	27.71		1487.0							
	STD	01200	04.26	34.93	27.73	01.060	1487.7							
	ONS	01200	04.26	34.934	27.73		1487.7							
	STD	01300	04.07	34.93	27.74	01.109	1488.6							
	ONS	01300	04.07	34.930	27.74		1488.6							
	STD	01400	04.02	34.94	27.76	01.157	1490.1							
	ONS	01400	04.02	34.938	27.76		1490.1							
	STD	01500	03.91	34.94	27.77	01.205	1491.3							
	ONS	01500	03.91	34.938	27.77		1491.3							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095 YEAR 1969 ROTDP 04755 AIR TEMP 07.2 OIR HGT PER WIND-DIP 27 INST STD RECORDER TEN SQ 1306
 CONSEC 0010 MONTH 04 SHIP EN WET BULP 06.1 27 3 4 WIND-SPO 25 TRACE OIR 0 5 SQUARE 1
 LAT 44 08 N DAY 16 DATA USE 1 RAPIDMETR 1003.0 SEA WIND-FDP DURATION 00.5 2 SQUARE 47
 LONG 041 09 W HOUR 18.0 AREA 05 CLOUD T/A CL/TP WEATHER X1 ORIG 032 010 1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	CHYG	P34	TOT P	ND2	ND3	S133	P4
18.0	STD	00000	13.75	35.89	26.95	00.000	1504.5							
	OBS	00000	13.75	35.891	26.95		1504.5							
	STD	00010	13.75	35.89	26.95	00.011	1504.6							
	OBS	00010	13.75	35.891	26.95		1504.6							
	STD	00020	13.75	35.89	26.95	00.022	1504.8							
	OBS	00020	13.75	35.892	26.95		1504.8							
	STD	00030	13.72	35.88	26.94	00.033	1504.8							
	OBS	00030	13.72	35.880	26.94		1504.8							
	STD	00050	13.69	35.87	26.94	00.056	1505.1							
	OBS	00050	13.69	35.866	26.94		1505.1							
	STD	00075	13.65	35.87	26.95	00.084	1505.3							
	OBS	00075	13.65	35.867	26.95		1505.3							
	STD	00100	13.62	35.86	26.95	00.113	1505.6							
	OBS	00100	13.62	35.860	26.95		1505.6							
	STD	00125	13.60	35.86	26.95	00.142	1506.0							
	OBS	00125	13.60	35.856	26.95		1506.0							
	STD	00150	13.59	35.84	26.94	00.171	1506.3							
	OBS	00150	13.59	35.844	26.94		1506.3							
	STD	00200	13.55	35.83	26.94	00.229	1507.0							
	OBS	00200	13.55	35.830	26.94		1507.0							
	STD	00250	13.40	35.80	26.95	00.288	1507.3							
	OBS	00250	13.40	35.802	26.95		1507.3							
	STD	00300	12.88	35.71	26.99	00.347	1506.3							
	OBS	00300	12.88	35.712	26.99		1506.3							
	STD	00400	11.79	35.48	27.02	00.463	1503.9							
	OBS	00400	11.79	35.478	27.02		1503.9							
	STD	00500	10.25	35.30	27.16	00.571	1499.9							
	OBS	00500	10.25	35.300	27.16		1499.9							
	STD	00560	09.21	35.192	27.25		1496.9							
	OBS	00600	08.88	35.17	27.29	00.668	1496.3							
	OBS	00600	08.88	35.175	27.29		1496.3							
	STD	00700	07.03	35.02	27.45	00.751	1490.7							
	OBS	00700	07.03	35.017	27.45		1499.7							
	OBS	00725	06.43	34.958	27.48		1488.7							
	OBS	00745	06.63	35.009	27.50		1489.9							
	STD	00800	05.81	34.97	27.57	00.821	1487.5							
	OBS	00800	05.81	34.971	27.57		1487.5							
	OBS	00850	05.30	34.926	27.60		1486.2							
	STD	00900	05.78	35.06	27.65	00.881	1489.1							
	OBS	00900	05.78	35.065	27.65		1489.1							
	OBS	00930	04.97	34.946	27.66		1486.2							
	STD	01000	04.75	34.95	27.68	00.936	1486.5							
	OBS	01000	04.75	34.948	27.68		1486.5							
	STD	01100	04.43	34.94	27.71	00.988	1486.8							
	OBS	01100	04.43	34.937	27.71		1486.8							
	STD	01200	04.32	34.95	27.73	01.038	1488.0							
	OBS	01200	04.32	34.951	27.73		1488.0							
	STD	01300	04.16	34.94	27.75	01.087	1489.0							
	OBS	01300	04.16	34.944	27.75		1489.0							
	STD	01400	03.94	34.93	27.76	01.135	1489.8							
	OBS	01400	03.94	34.931	27.76		1489.8							
	STD	01500	03.86	34.93	27.77	01.183	1491.1							
	OBS	01500	03.86	34.931	27.77		1491.1							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April-4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID	31	8095	YEAR	1969	BO TOP	04755	AIR TEMP	09.4	DIR HGT	PER	WIND-DIP	22	INST STD	RECORDER	TEN	53	1306
CONSEC	0011		MONTH	04	SHIP EN		WET BULB	08.3		22 3 3	WIND-SPO	25	TRACE OIP	0	5	SQUARE	1
LAT	44	00	N	DAY	18	DATA USE	1	BAROMETR	1014.0	SEA	WIND-FJR		DURATION	00.6	2	SQUARE	40
LONG	041	00	W	HOURL	06.3	AREA	05	CLOUD T/A		CL/TR	WEATHER	X2	ORIG	032 011	1	SQUARE	41

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	P14	TOT P	NO2	NO3	S133	P4
06.0	STD	0000	13.54	35.89	26.99	00.000	1503.8							
	085	0000	13.54	35.893	26.99		1503.8							
	STD	00010	13.54	35.89	26.99	00.010	1503.9							
	085	0010	13.54	35.893	26.99		1503.9							
	STD	00020	13.54	35.89	26.99	00.021	1504.1							
	085	0020	13.54	35.892	26.99		1504.1							
	STD	00030	13.55	35.89	26.99	00.032	1504.3							
	085	0030	13.55	35.894	26.99		1504.3							
	STD	00050	13.55	35.89	26.99	00.054	1504.6							
	085	0050	13.55	35.895	26.99		1504.6							
	STD	00075	13.54	35.89	26.99	00.081	1505.0							
	085	0075	13.54	35.889	26.99		1505.0							
	STD	00100	13.54	35.89	26.99	00.109	1505.4							
	085	0100	13.54	35.887	26.99		1505.4							
	STD	00125	13.55	35.89	26.99	00.137	1505.9							
	085	0125	13.55	35.888	26.99		1505.9							
	STD	00150	13.56	35.89	26.98	00.165	1506.3							
	085	0150	13.56	35.889	26.98		1506.3							
	STD	00200	13.55	35.89	26.98	00.221	1507.1							
	085	0200	13.55	35.886	26.98		1507.1							
	STD	00250	13.43	35.85	26.98	00.279	1507.5							
	085	0250	13.43	35.848	26.98		1507.5							
	STD	00300	13.09	35.76	26.98	00.337	1507.0							
	085	0300	13.09	35.759	26.98		1507.0							
	STD	00400	11.90	35.52	27.03	00.452	1504.3							
	085	0400	11.90	35.520	27.03		1504.3							
	STD	00500	10.31	35.29	27.14	00.562	1500.1							
	085	0500	10.31	35.287	27.14		1500.1							
	STD	00600	08.13	35.03	27.30	00.659	1493.3							
	085	0600	08.13	35.031	27.30		1493.3							
	STD	00660	06.78	34.943	27.42		1489.0							
	085	0660	06.78	34.943	27.42		1489.0							
	STD	00700	06.61	34.96	27.47	00.740	1489.0							
	085	0700	06.61	34.965	27.47		1489.0							
	STD	00800	05.78	34.95	27.56	00.809	1487.3							
	085	0800	05.78	34.948	27.56		1487.3							
	STD	00880	05.18	34.951	27.64		1486.2							
	085	0880	05.18	34.951	27.64		1486.2							
	STD	00900	05.30	34.98	27.65	00.869	1487.1							
	085	0900	05.30	34.982	27.65		1487.1							
	STD	01000	04.70	34.95	27.69	00.924	1486.2							
	085	1000	04.70	34.951	27.69		1486.2							
	STD	01100	04.46	34.94	27.71	00.976	1486.9							
	085	1100	04.46	34.940	27.71		1486.9							
	STD	01200	04.33	34.95	27.74	01.026	1488.1							
	085	1200	04.33	34.954	27.74		1488.1							
	STD	01240	04.35	34.955	27.73		1488.8							
	085	1240	04.35	34.955	27.73		1488.8							
	STD	01300	04.11	34.94	27.75	01.075	1488.8							
	085	1300	04.11	34.937	27.75		1488.8							
	STD	01400	03.99	34.94	27.76	01.123	1490.0							
	085	1400	03.99	34.941	27.76		1490.0							
	STD	01500	03.92	34.94	27.77	01.171	1491.4							
	085	1500	03.92	34.943	27.77		1491.4							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095	YEAR 1969	ROTOP 04755	AIR TEMP 12.2	OIR HGT PER	WIND-DIR 25	INST STO RECDROEP	TEN SQ 1336
CONSEC 0012	MONTH 04	SHIP EN	WET RULB 11.7	23 3 2	WIND-SPO 31	TRACE DIR 0	5 SQUARE 1
LAT 44 00 N	DAY 18	DATA USE 1	BAROMETER 1012.0	SEA	WIND-FDP	ORUPATION 00.4	2 SQUARE 40
LONG 040 40 W	HOOR 12.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	CRIG 032 012	1 SQUARE 40

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	XYC	P24	TOT P	N02	N03	S133	PH
12.5	STO	00000	13.75	35.92	26.97	00.000	1504.5							
	ORS	00000	13.75	35.920	26.97		1504.5							
	STO	00010	13.75	35.92	26.97	00.011	1504.7							
	ORS	00010	13.75	35.920	26.97		1504.7							
	STO	00020	13.75	35.92	26.97	00.022	1504.8							
	ORS	00020	13.75	35.921	26.97		1504.8							
	STO	00030	13.76	35.92	26.97	00.033	1505.0							
	ORS	00030	13.76	35.921	26.97		1505.0							
	STO	00050	13.76	35.92	26.96	00.055	1505.4							
	ORS	00050	13.76	35.917	26.96		1505.4							
	STO	00075	13.76	35.92	26.96	00.083	1505.8							
	ORS	00075	13.76	35.918	26.96		1505.8							
	STO	00100	13.76	35.92	26.96	00.111	1506.2							
	ORS	00100	13.76	35.916	26.96		1506.2							
	STO	00125	13.75	35.91	26.96	00.139	1506.5							
	ORS	00125	13.75	35.911	26.96		1506.5							
	STO	00150	13.72	35.89	26.95	00.168	1506.8							
	ORS	00150	13.72	35.891	26.95		1506.8							
	STO	00200	13.42	35.84	26.97	00.226	1506.6							
	ORS	00200	13.42	35.836	26.97		1506.6							
	STO	00250	13.46	35.85	26.98	00.283	1507.6							
	ORS	00250	13.46	35.855	26.98		1507.6							
	STO	00300	13.46	35.85	26.98	00.342	1508.4							
	ORS	00300	13.46	35.855	26.98		1508.4							
	STO	00340	13.18	35.779	26.98		1508.0							
	ORS	00340	13.18	35.779	26.98		1508.0							
	STO	00400	12.07	35.50	26.98	00.460	1504.9							
	ORS	00400	12.07	35.498	26.98		1504.9							
	STO	00500	10.55	35.31	27.12	00.573	1501.0							
	ORS	00500	10.55	35.314	27.12		1501.0							
	STO	00600	08.80	35.12	27.26	00.673	1496.0							
	ORS	00600	08.80	35.118	27.26		1496.0							
	STO	00700	06.98	34.95	27.40	00.760	1490.4							
	ORS	00700	06.98	34.948	27.40		1490.4							
	STO	00800	05.86	34.93	27.54	00.833	1487.6							
	ORS	00800	05.86	34.934	27.54		1487.6							
	STO	00850	05.68	34.938	27.57		1487.7							
	ORS	00850	05.68	34.938	27.57		1487.7							
	STO	00900	05.21	34.94	27.62	00.895	1486.7							
	ORS	00900	05.21	34.940	27.62		1486.7							
	STO	00940	05.27	34.991	27.66		1487.6							
	ORS	00940	05.27	34.991	27.66		1487.6							
	STO	01000	05.13	35.02	27.70	00.951	1488.1							
	ORS	01000	05.13	35.019	27.70		1488.1							
	STO	01100	04.84	35.01	27.72	01.003	1488.6							
	ORS	01100	04.84	35.008	27.72		1488.6							
	STO	01200	04.47	34.98	27.74	01.053	1488.7							
	ORS	01200	04.47	34.982	27.74		1488.7							
	STO	01300	04.40	34.99	27.76	01.102	1490.1							
	ORS	01300	04.40	34.990	27.76		1490.1							
	STO	01400	04.25	34.98	27.76	01.150	1491.1							
	ORS	01400	04.25	34.979	27.76		1491.1							
	STO	01500	04.12	34.98	27.78	01.198	1492.3							
	ORS	01500	04.12	34.976	27.78		1492.3							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-809. EN. —Continued

REFID 31 8095 YEAR 1969 BOTOP 04755 AIR TEMP 15.4 DIR HGT PER WIND-DIR 25 INST STD RECOROEP TEN SQ 1306
 CONSEC 0013 MONTH 04 SHIP EN WET BULB 13.9 26 2 3 WIND-SPD 27 TRACE DIR 0 5 SOJARE 1
 LAT 44 05 N DAY 18 DATA USE 1 BAROMETR 1019.6 SEA CL/TR WIND-FXP DUPATION 00.4 2 SOJARE 40
 LONG 041 00 W HOUR 18.1 AREA 05 CLOUD T/A WEATHER X1 ORIG 032 13 1 SOJARE 41

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	XYG	P34	TOT P	NO2	NO3	S133	P4
18.1	STD	00000	14.05	35.94	26.92	00.000	1505.5							
	ORIS	00000	14.05	35.942	26.92		1505.5							
	STD	00010	14.04	35.94	26.92	00.011	1505.6							
	ORIS	00010	14.04	35.942	26.92		1505.6							
	STD	00020	14.03	35.94	26.93	00.022	1505.8							
	ORIS	00020	14.03	35.943	26.93		1505.8							
	STD	00030	14.02	35.94	26.93	00.034	1505.9							
	ORIS	00030	14.02	35.943	26.93		1505.9							
	STD	00050	14.02	35.95	26.93	00.057	1506.2							
	ORIS	00050	14.02	35.948	26.93		1506.2							
	STD	00075	14.05	35.95	26.93	00.085	1506.8							
	ORIS	00075	14.05	35.955	26.93		1506.8							
	STD	00100	14.09	35.97	26.93	00.114	1507.3							
	ORIS	00100	14.09	35.966	26.93		1507.3							
	STD	00125	14.11	35.98	26.94	00.143	1507.8							
	ORIS	00125	14.11	35.982	26.94		1507.8							
	STD	00150	14.16	35.99	26.93	00.173	1508.4							
	ORIS	00150	14.16	35.986	26.93		1508.4							
	STD	00200	14.15	35.99	26.93	00.232	1509.2							
	ORIS	00200	14.15	35.977	26.93		1509.2							
	STD	00250	13.96	35.93	26.93	00.292	1509.3							
	ORIS	00250	13.96	35.932	26.93		1509.3							
	STD	00300	13.73	35.88	26.94	00.352	1509.3							
	ORIS	00300	13.73	35.881	26.94		1509.3							
	STD	00400	13.46	35.82	26.95	00.474	1510.0							
	ORIS	00400	13.46	35.823	26.95		1510.0							
	STD	00500	10.43	35.28	27.12	00.589	1500.5							
	ORIS	00500	10.43	35.282	27.12		1500.5							
	STD	00600	08.10	35.05	27.32	00.686	1493.2							
	ORIS	00600	08.10	35.055	27.32		1493.2							
	STD	00700	06.65	34.97	27.47	00.766	1489.2							
	ORIS	00700	06.65	34.974	27.47		1489.2							
	STD	00800	05.91	35.00	27.58	00.834	1487.9							
	ORIS	00800	05.91	34.998	27.58		1487.9							
	STD	00820	05.55	34.944	27.59		1486.7							
	ORIS	00825	05.77	34.994	27.60		1487.8							
	ORIS	00830	05.43	34.955	27.61		1486.4							
	ORIS	00850	05.41	34.959	27.62		1486.7							
	ORIS	00855	05.26	34.936	27.62		1486.1							
	ORIS	00860	05.44	34.976	27.62		1487.0							
	STD	00900	05.24	34.98	27.65	00.893	1486.8							
	ORIS	00900	05.24	34.977	27.65		1486.8							
	ORIS	00920	05.24	34.983	27.65		1487.2							
	ORIS	00960	04.83	34.938	27.67		1486.1							
	ORIS	00970	04.93	34.970	27.68		1486.7							
	STD	01000	04.70	34.95	27.69	00.947	1486.2							
	ORIS	01000	04.70	34.946	27.69		1486.2							
	STD	01100	04.36	34.93	27.72	00.999	1486.5							
	ORIS	01100	04.36	34.935	27.72		1486.5							
	STD	01200	04.28	34.95	27.74	01.048	1487.8							
	ORIS	01200	04.28	34.949	27.74		1487.8							
	STD	01300	04.21	34.95	27.75	01.097	1489.2							
	ORIS	01300	04.21	34.955	27.75		1489.2							
	STD	01400	04.11	34.96	27.76	01.146	1490.5							
	ORIS	01400	04.11	34.957	27.76		1490.5							
	STD	01500	04.00	34.96	27.78	01.193	1491.7							
	ORIS	01500	04.00	34.961	27.78		1491.7							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095 YEAR 1969 QDTP 04755 ATR TEMP 13.9 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN S2 1306
 CONSEC 0014 MONTH 04 SHIP EN WET BULB 13.9 25 3 3 WIND-SPD 23 TRACE DIR 0 5 SQUARE 1
 LAT 44 05 N DAY 27 DATA USE 1 BAROMETR 1020.0 SEA WIND-FDP DURATION 00.5 2 SQUARE 40
 LONG 040 51 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG 032 014 1 SQUARE 40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SND VEL	XYG	PJ4	TOT P	NO2	NO3	SIC3	P4
00.0	STD	00000	14.14	35.95	26.91	00.000	1505.8							
	OBS	00000	14.14	35.949	26.91		1505.8							
	STD	00010	14.14	35.96	26.91	00.011	1506.0							
	OBS	00010	14.14	35.957	26.91		1506.0							
	STD	00020	14.15	35.96	26.91	00.023	1506.2							
	OBS	00020	14.15	35.956	26.91		1506.2							
	STD	00030	14.15	35.95	26.91	00.034	1506.3							
	OBS	00030	14.15	35.955	26.91		1506.3							
	STD	00050	14.15	35.96	26.91	00.057	1506.7							
	OBS	00050	14.15	35.956	26.91		1506.7							
	STD	00075	14.15	35.96	26.92	00.087	1507.1							
	OBS	00075	14.15	35.962	26.92		1507.1							
	STD	00100	14.12	35.96	26.92	00.116	1507.4							
	OBS	00100	14.12	35.964	26.92		1507.4							
	STD	00125	14.06	35.95	26.93	00.145	1507.6							
	OBS	00125	14.06	35.954	26.93		1507.6							
	STD	00150	14.05	35.95	26.93	00.175	1508.0							
	OBS	00150	14.05	35.955	26.93		1508.0							
	STD	00200	13.79	35.91	26.95	00.233	1507.9							
	OBS	00200	13.79	35.907	26.95		1507.9							
	STD	00250	13.53	35.87	26.97	00.292	1507.8							
	OBS	00250	13.53	35.867	26.97		1507.8							
	STD	00300	13.35	35.82	26.97	00.350	1508.0							
	OBS	00300	13.35	35.821	26.97		1508.0							
	STD	00400	11.97	35.51	27.01	00.467	1504.6							
	OBS	00400	11.97	35.515	27.01		1504.6							
	STD	00500	10.51	35.30	27.12	00.578	1500.8							
	OBS	00500	10.51	35.299	27.12		1500.8							
	STD	00600	09.01	35.16	27.26	00.679	1496.8							
	OBS	00600	09.01	35.163	27.26		1496.8							
	OBS	00670	06.28	34.736	27.33		1486.9							
	STD	00700	07.00	34.93	27.38	00.767	1490.5							
	OBS	00700	07.00	34.927	27.38		1490.5							
	OBS	00708	06.64	34.887	27.40		1489.1							
	OBS	00732	06.69	34.938	27.43		1489.8							
	OBS	00757	05.88	34.833	27.46		1486.9							
	OBS	00762	06.16	34.921	27.49		1488.2							
	OBS	00780	05.68	34.874	27.51		1486.5							
	OBS	00790	05.90	34.931	27.53		1487.6							
	OBS	00795	05.67	34.911	27.55		1486.7							
	STD	00800	05.78	34.93	27.55	00.840	1487.3							
	OBS	00800	05.78	34.931	27.55		1487.3							
	OBS	00834	05.39	34.893	27.57		1486.2							
	OBS	00842	05.61	34.959	27.59		1487.3							
	STD	00900	05.01	34.92	27.63	00.902	1485.8							
	OBS	00900	05.01	34.920	27.63		1485.8							
	STD	01000	05.03	34.99	27.68	00.957	1487.7							
	OBS	01000	05.03	34.989	27.68		1487.7							
	STD	01100	04.55	34.96	27.72	01.010	1487.3							
	OBS	01100	04.55	34.961	27.72		1487.3							
	STD	01200	04.42	34.96	27.73	01.060	1488.4							
	OBS	01200	04.42	34.962	27.73		1488.4							
	STD	01300	04.27	34.95	27.74	01.110	1489.5							
	OBS	01300	04.27	34.951	27.74		1489.5							
	STD	01400	04.02	34.94	27.76	01.159	1490.1							
	OBS	01400	04.02	34.940	27.76		1490.1							
	OBS	01412	03.99	34.935	27.76		1490.2							
	OBS	01430	04.10	34.957	27.76		1491.0							
	OBS	01440	03.99	34.946	27.77		1490.7							
	STD	01500	03.96	34.95	27.77	01.206	1491.6							
	OBS	01500	03.96	34.949	27.77		1491.6							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID	31	8095	YEAR	1969	BOAT	04810	AIR TEMP	06.7	DIR HGT	PER	WIND-DIR	23	INST	STO	RECD	PER	TEN	SQ	1306		
CDREF		0015	MONTH	04	SHIP	EN	WET	RULP	03.9		25	3	3	WIND-SPD	25	TRACE	DIR	0	5	SQJARE	1
LAT	44	17	N	DAY	22	DATA	USE	1	BAROMET	1012.9	SEA		WIND-FDR		OUPTION	00.4		2	SQJARE	40	
LONG	041	55	W	MOJ	12.1	AREA	05		CL/CD	T/A	CL/TR		WEATHER	X1	ORIG	032	015		1	SQJARE	41

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	DRYG	PSA	TOT P	NO2	NO3	S133	P4
12.1	STO	00000	13.89	35.90	26.92	00.000	1504.9							
	DBS	00000	13.89	35.901	26.92		1504.9							
	STO	00010	13.88	35.90	26.93	00.011	1505.1							
	DBS	00010	13.88	35.901	26.93		1505.1							
	STO	00020	13.88	35.90	26.93	00.022	1505.2							
	DBS	00020	13.88	35.900	26.93		1505.2							
	STO	00030	13.88	35.90	26.92	00.034	1505.4							
	DBS	00030	13.88	35.898	26.92		1505.4							
	STO	00050	13.88	35.90	26.93	00.057	1505.7							
	DBS	00050	13.88	35.900	26.93		1505.7							
	STO	00075	13.87	35.90	26.92	00.086	1506.1							
	DBS	00075	13.87	35.897	26.92		1506.1							
	STO	00100	13.88	35.90	26.92	00.115	1506.5							
	DBS	00100	13.88	35.899	26.92		1506.5							
	STO	00125	13.77	35.86	26.92	00.144	1506.5							
	DBS	00125	13.77	35.861	26.92		1506.5							
	STO	00150	13.65	35.87	26.95	00.173	1506.6							
	DBS	00150	13.65	35.869	26.95		1506.6							
	STO	00200	13.62	35.87	26.96	00.231	1507.3							
	DBS	00200	13.62	35.874	26.96		1507.3							
	STO	00250	13.55	35.84	26.95	00.290	1507.9							
	DBS	00250	13.55	35.844	26.95		1507.9							
	STO	00300	13.32	35.79	26.96	00.350	1507.8							
	DBS	00300	13.32	35.790	26.96		1507.8							
	STO	00400	11.71	35.47	27.03	00.466	1503.6							
	DBS	00400	11.71	35.472	27.03		1503.6							
	STO	00500	09.07	35.09	27.20	00.572	1495.3							
	DBS	00500	09.07	35.091	27.20		1495.3							
	STO	00580	06.75	34.819	27.33		1487.4							
	DBS	00580	06.75	34.819	27.33		1487.4							
	STO	00600	07.13	34.97	27.40	00.661	1489.4							
	DBS	00600	07.13	34.972	27.40		1489.4							
	STO	00665	05.71	34.773	27.43		1484.6							
	DBS	00665	05.71	34.773	27.43		1484.6							
	STO	00700	06.03	34.853	27.45		1486.0							
	DBS	00700	06.03	34.853	27.45		1486.0							
	STO	00745	05.61	34.85	27.50	00.734	1484.8							
	DBS	00745	05.61	34.848	27.50		1484.8							
	STO	00765	05.90	34.936	27.54		1486.9							
	DBS	00765	05.90	34.936	27.54		1486.9							
	STO	00800	05.48	34.882	27.55		1485.4							
	DBS	00800	05.48	34.882	27.55		1485.4							
	STO	00800	05.59	34.96	27.59	00.799	1486.6							
	DBS	00800	05.59	34.96	27.59		1486.6							
	STO	00850	05.29	34.956	27.63		1486.2							
	DBS	00850	05.29	34.956	27.63		1486.2							
	STO	00880	05.37	34.991	27.65		1487.0							
DBS	00880	05.37	34.991	27.65		1487.0								
STO	00900	05.11	34.96	27.65	00.857	1486.3								
DBS	00900	05.11	34.96	27.65		1486.3								
STO	01000	04.41	34.91	27.70	00.911	1485.0								
DBS	01000	04.41	34.914	27.70		1485.0								
STO	01050	04.61	34.959	27.71		1486.7								
DBS	01050	04.61	34.959	27.71		1486.7								
STO	01100	04.54	34.96	27.72	00.962	1487.3								
DBS	01100	04.54	34.961	27.72		1487.3								
STO	01200	04.37	34.96	27.73	01.012	1488.2								
DBS	01200	04.37	34.956	27.73		1488.2								
STO	01300	04.14	34.95	27.75	01.061	1488.9								
DBS	01300	04.14	34.946	27.75		1488.9								
STO	01400	04.04	34.94	27.76	01.109	1490.2								
DBS	01400	04.04	34.944	27.76		1490.2								
STO	01500	03.92	34.95	27.77	01.157	1491.4								
DBS	01500	03.92	34.946	27.77		1491.4								

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April-4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REF ID	31 8095	YEAR	1969	BOTOP	04755	AIR TEMP	07.8	OIR HGT	PER	41NO-OIR	29	INST STO	RECORDER	TEN SQ	1306
CONSEC	0016	MONTH	04	SHIP EN		WET BULB	03.3		29 5 5	WIND-SPO	25	TRACE OIR	0	5 SQUARE	1
LAT	43 56 N	DAY	23	DATA USE	1	BAROMETR	1016.0	SEA		WIND-FJR		DURATION	00.3	2 SQUARE	20
LONG	040 55 W	HOJR	00.0	AREA	05	CLOUD T/A		CL/TR		WEATHER	X1	ORIG	032 016	1 SQUARE	30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SNO VEL	CHYG	P34	TOT P	NO2	NO3	SI33	PH
00.0	STO	00000	14.00	35.94	26.93	00.000	1505.3							
	085	00000	14.00	35.938	26.93		1505.3							
	STO	00010	14.02	35.94	26.92	00.011	1505.6							
	085	00010	14.02	35.938	26.92		1505.6							
	STO	00020	14.02	35.94	26.93	00.022	1505.7							
	085	00020	14.02	35.939	26.93		1505.7							
	STO	00030	14.02	35.94	26.93	00.034	1505.9							
	085	00030	14.02	35.939	26.93		1505.9							
	STO	00050	14.02	35.93	26.92	00.057	1506.2							
	085	00050	14.02	35.935	26.92		1506.2							
	STO	00075	14.02	35.94	26.92	00.086	1506.6							
	085	00075	14.02	35.936	26.92		1506.6							
	STO	00100	14.04	35.94	26.92	00.115	1507.1							
	085	00100	14.04	35.937	26.92		1507.1							
	STO	00125	13.95	35.92	26.92	00.144	1507.2							
	085	00125	13.95	35.918	26.92		1507.2							
	STO	00150	13.88	35.91	26.93	00.174	1507.4							
	085	00150	13.88	35.909	26.93		1507.4							
	STO	00200	13.76	35.89	26.94	00.233	1507.8							
	085	00200	13.76	35.886	26.94		1507.8							
	STO	00250	13.69	35.88	26.95	00.292	1508.4							
	085	00250	13.69	35.883	26.95		1508.4							
	STO	00300	13.58	35.85	26.95	00.351	1508.8							
	085	00300	13.58	35.855	26.95		1508.8							
	STO	00400	12.43	35.59	26.98	00.471	1506.2							
	085	00400	12.43	35.589	26.98		1506.2							
	STO	00500	10.95	35.35	27.08	00.586	1502.5							
	085	00500	10.95	35.353	27.08		1502.5							
	STO	00600	08.91	35.11	27.24	00.690	1496.4							
	085	00600	08.91	35.107	27.24		1496.4							
	STO	00700	07.38	34.96	27.35	00.783	1492.0							
	085	00700	07.38	34.961	27.35		1492.0							
	STO	00800	06.51	34.932	27.45		1488.9							
	085	00800	06.18	35.00	27.55	00.856	1489.0							
	STO	00860	06.18	34.996	27.55		1489.0							
	085	00860	05.33	34.928	27.60		1486.5							
	STO	00900	05.23	34.94	27.63	00.918	1486.7							
	085	00900	05.23	34.945	27.63		1486.7							
	STO	01000	04.86	34.95	27.68	00.974	1486.9							
	085	01000	04.86	34.954	27.68		1486.9							
	STO	01100	04.41	34.93	27.71	01.027	1486.7							
	085	01100	04.41	34.933	27.71		1486.7							
	STO	01200	04.25	34.94	27.73	01.077	1487.7							
	085	01200	04.25	34.937	27.73		1487.7							
	STO	01300	04.11	34.94	27.75	01.126	1488.8							
	085	01300	04.11	34.936	27.75		1488.8							
	STO	01400	03.92	34.93	27.76	01.175	1489.7							
	085	01400	03.92	34.930	27.76		1489.7							
	STO	01500	03.84	34.93	27.77	01.222	1491.0							
	085	01500	03.84	34.929	27.77		1491.0							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID	31	8095	YEAR	1969	BOYDP	04718	AIR TEMP	10.0	DIP	HGT	PER	#INO-DIR	34	INST	STD	RECORDER	TEN	SQ	1956		
CONSEC		0017	MONTH	04	SHIP	EN	WET	BULB	09.7			32	4	4	TRACE	DIR	0	5	SQJARE	1	
LAT	43	58	N	DAY	24	DATA	USE	1	BAPOMETR	1023.0	SEA			DURATION		00.3	2	SQJARE	20		
LONG	041	01	W	HOJP	12.0	AREA	05		CLOUD	T/A	CL/TR			WEATHER	X2	ORIG	032	017	1	SQJARE	31

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	S133	P4
12.0	STD	00000	13.94	35.93	26.94	00.000	1505.1							
	085	00000	13.94	35.934	26.94		1505.1							
	STD	00010	13.90	35.93	26.95	00.011	1505.2							
	085	00010	13.90	35.933	26.95		1505.2							
	STD	00020	13.90	35.93	26.95	00.022	1505.3							
	085	00020	13.90	35.934	26.95		1505.3							
	STD	00030	13.90	35.93	26.95	00.033	1505.5							
	085	00030	13.90	35.932	26.95		1505.5							
	STD	00050	13.91	35.93	26.94	00.056	1505.9							
	085	00050	13.91	35.933	26.94		1505.9							
	STD	00075	13.89	35.93	26.95	00.084	1506.2							
	085	00075	13.89	35.930	26.95		1506.2							
	STD	00100	13.91	35.93	26.94	00.113	1506.7							
	085	00100	13.91	35.927	26.94		1506.7							
	STD	00125	13.92	35.93	26.94	00.142	1507.1							
	085	00125	13.92	35.928	26.94		1507.1							
	STD	00150	13.92	35.92	26.94	00.171	1507.5							
	085	00150	13.92	35.925	26.94		1507.5							
	STD	00200	13.92	35.92	26.94	00.230	1508.3							
	085	00200	13.92	35.925	26.94		1508.3							
	STD	00250	13.47	35.80	26.94	00.290	1507.5							
	085	00250	13.47	35.805	26.94		1507.5							
	STD	00300	12.91	35.69	26.96	00.349	1506.4							
	085	00300	12.91	35.689	26.96		1506.4							
	STD	00400	11.73	35.48	27.03	00.463	1503.7							
	085	00400	11.73	35.477	27.03		1503.7							
	STD	00500	10.08	35.24	27.15	00.574	1499.2							
	085	00500	10.08	35.244	27.15		1499.2							
	STD	00600	08.83	35.04	27.20	00.676	1496.0							
	085	00600	08.83	35.045	27.20		1496.0							
	STD	00700	06.45	34.88	27.42	00.764	1488.2							
	085	00700	06.45	34.879	27.42		1488.2							
	STD	00730	06.08	34.881	27.47		1487.3							
	085	00730	06.08	34.881	27.47		1487.3							
	STD	00742	06.43	34.986	27.51		1489.0							
	085	00742	06.43	34.986	27.51		1489.0							
	STD	00800	05.93	34.96	27.55	00.836	1487.9							
	085	00800	05.93	34.956	27.55		1487.9							
	STD	00900	04.97	34.90	27.62	00.898	1485.6							
	085	00900	04.97	34.903	27.62		1485.6							
	STD	01000	04.70	34.93	27.68	00.954	1486.2							
	085	01000	04.70	34.932	27.68		1486.2							
	STD	01100	04.50	34.94	27.71	01.006	1487.1							
	085	01100	04.50	34.939	27.71		1487.1							
	STD	01200	04.30	34.94	27.73	01.057	1487.9							
	085	01200	04.30	34.938	27.73		1487.9							
	STD	01300	04.11	34.93	27.74	01.107	1488.8							
	085	01300	04.11	34.934	27.74		1488.8							
	STD	01400	03.88	34.91	27.75	01.155	1489.5							
	085	01400	03.88	34.909	27.75		1489.5							
	STD	01500	03.86	34.93	27.77	01.204	1491.1							
	085	01500	03.86	34.932	27.77		1491.1							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April-4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095 YEAR 1969 BOTOP 04755 AIR TEMP 12.2 OIR HST PER WIND-OIR 34 INST STO RECORDER TEN SQ 1306
 CONSEC 0018 MONT 04 SHIP EN WET BULB 12.1 34 2 2 WIND-SPO 08 TRACE OIR 0 5 SQUARE 1
 LAT 44 20 N DAY 24 DATA USE 1 BAROMETR 1025.0 SEA CL/TR WIND-FJR OUPATION 00.3 2 SQUARE 40
 LONG 041 45 W HOJR 18.0 AREA 05 CLOUD T/A WEATHER X1 ORIG 032 018 1 SQUARE 41

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SNO VEL	DXYG	P14	TOT P	N02	N03	S133	P4
18.0	STO	00000	13.97	35.94	26.93	00.000	1505.2							
	DBS	00000	13.97	35.936	26.93		1505.2							
	STO	00010	13.94	35.93	26.94	00.011	1505.3							
	DBS	00010	13.94	35.933	26.94		1505.3							
	STO	00020	13.93	35.93	26.94	00.022	1505.4							
	DBS	00020	13.93	35.934	26.94		1505.4							
	STO	00030	13.93	35.93	26.94	00.033	1505.6							
	DBS	00030	13.93	35.931	26.94		1505.6							
	STO	00050	13.93	35.93	26.94	00.056	1505.9							
	DBS	00050	13.93	35.930	26.94		1505.9							
	STO	00075	13.94	35.93	26.94	00.085	1506.4							
	DBS	00075	13.94	35.931	26.94		1506.4							
	STO	00100	13.95	35.93	26.93	00.114	1506.8							
	DBS	00100	13.95	35.926	26.93		1506.8							
	STO	00125	13.96	35.93	26.93	00.143	1507.3							
	DBS	00125	13.96	35.931	26.93		1507.3							
	STO	00150	13.95	35.93	26.93	00.172	1507.6							
	DBS	00150	13.95	35.931	26.93		1507.6							
	STO	00200	13.65	35.86	26.94	00.231	1507.4							
	DBS	00200	13.65	35.856	26.94		1507.4							
	STO	00250	13.44	35.82	26.95	00.290	1507.5							
	DBS	00250	13.44	35.816	26.95		1507.5							
	STO	00300	13.42	35.82	26.96	00.349	1508.2							
	DBS	00300	13.42	35.821	26.96		1508.2							
	STO	00400	12.23	35.55	26.99	00.468	1505.5							
	DBS	00400	12.23	35.554	26.99		1505.5							
	STO	00500	10.11	35.28	27.17	00.577	1499.4							
	DBS	00500	10.11	35.285	27.17		1499.4							
	STO	00600	07.74	34.98	27.32	00.672	1491.8							
	DBS	00600	07.74	34.983	27.32		1491.8							
	DBS	00660	06.47	34.875	27.41		1487.7							
	DBS	00685	06.67	34.945	27.44		1489.0							
	STO	00700	06.36	34.92	27.46	00.752	1487.9							
	DBS	00700	06.36	34.917	27.46		1487.9							
	STO	00800	05.60	34.96	27.59	00.819	1486.6							
	DBS	00800	05.60	34.959	27.59		1486.6							
	STO	00900	05.04	34.94	27.64	00.878	1486.0							
	DBS	00900	05.04	34.937	27.64		1486.0							
	STO	01000	04.73	34.95	27.69	00.932	1486.4							
	DBS	01000	04.73	34.948	27.69		1486.4							
	STO	01100	04.50	34.95	27.72	00.984	1487.1							
	DBS	01100	04.50	34.952	27.72		1487.1							
	STO	01200	04.39	34.96	27.74	01.034	1488.3							
	DBS	01200	04.39	34.964	27.74		1488.3							
	STO	01300	04.14	34.94	27.75	01.083	1488.9							
	DBS	01300	04.14	34.945	27.75		1488.9							
	STO	01400	04.08	34.95	27.76	01.132	1490.4							
	DBS	01400	04.08	34.950	27.76		1490.4							
	STO	01500	03.91	34.93	27.76	01.180	1491.3							
	DBS	01500	03.91	34.933	27.76		1491.3							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095	YEAR 1969	BOTOM 04755	AIR TEMP 12.8	DIR HGT PER	WIND-DIR 23	INST STO RECORDER	TEN SQ 1306
CONSEC 1019	MONTH 04	SHIP EN	WET BULB 08.9	19 2 3	WIND-SPD 14	TRACE DIR 3	5 SQUARE 1
LAT 44 07 N	DAY 25	DATA USE 1	BAROMETP 1023.0	SEA	WIND-FJR	ORIENTATION 00.3	2 SQUARE 40
LONG 040 51 W	MOJR 12.0	AREA 05	CLOUD T/A	CL/TP	WEATHER X1	ORIG 032 219	1 SQUARE 40

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIG3	PH
12.0	STS	00000	13.70	35.90	26.96	00.000	1504.3							
	DBS	00000	13.70	35.897	26.96		1504.3							
	STS	00010	13.70	35.90	26.96	00.011	1504.5							
	DBS	00010	13.70	35.896	26.96		1504.5							
	STS	00020	13.73	35.90	26.96	00.022	1504.6							
	DBS	00020	13.70	35.896	26.96		1504.6							
	STS	00030	13.70	35.90	26.96	00.033	1504.8							
	DBS	00030	13.70	35.898	26.96		1504.8							
	STS	00050	13.71	35.90	26.96	00.055	1505.2							
	DBS	00050	13.71	35.897	26.96		1505.2							
	STS	00075	13.71	35.90	26.96	00.083	1505.6							
	DBS	00075	13.71	35.897	26.96		1505.6							
	STS	00100	13.71	35.90	26.96	00.112	1506.0							
	DBS	00100	13.71	35.897	26.96		1506.0							
	STS	00125	13.71	35.89	26.96	00.140	1506.4							
	DBS	00125	13.71	35.895	26.96		1506.4							
	STS	00150	13.71	35.89	26.96	00.169	1506.8							
	DBS	00150	13.71	35.893	26.96		1506.8							
	STS	00200	13.72	35.89	26.95	00.227	1507.6							
	DBS	00200	13.72	35.893	26.95		1507.6							
	STS	00250	13.73	35.89	26.95	00.286	1508.5							
	DBS	00250	13.73	35.893	26.95		1508.5							
	STS	00300	13.74	35.89	26.95	00.345	1509.4							
	DBS	00300	13.74	35.894	26.95		1509.4							
	STS	00350	13.75	35.895	26.95		1510.2							
	DBS	00400	12.78	35.65	26.96	00.466	1507.5							
	STS	00400	12.78	35.650	26.96		1507.5							
	DBS	00500	10.63	35.30	27.10	00.581	1501.3							
	STS	00500	10.63	35.302	27.10		1501.3							
	DBS	00600	08.78	35.07	27.23	00.684	1495.8							
	STS	00600	08.78	35.071	27.23		1495.8							
	DBS	00700	06.78	34.95	27.43	00.771	1489.6							
	STS	00700	06.78	34.948	27.43		1489.6							
	DBS	00800	05.65	34.90	27.54	00.843	1486.7							
	STS	00800	05.65	34.898	27.54		1486.7							
	DBS	00900	05.39	34.97	27.63	00.905	1487.4							
	STS	00900	05.39	34.974	27.63		1487.4							
	DBS	01000	04.90	34.97	27.69	00.961	1487.1							
	STS	01000	04.90	34.975	27.69		1487.1							
	DBS	01100	04.50	34.94	27.71	01.013	1487.1							
	STS	01100	04.50	34.945	27.71		1487.1							
	DBS	01200	04.26	34.93	27.73	01.064	1487.7							
	STS	01200	04.26	34.935	27.73		1487.7							
	DBS	01300	04.07	34.93	27.74	01.113	1488.6							
	STS	01300	04.07	34.929	27.74		1488.6							
	DBS	01400	03.96	34.93	27.76	01.161	1489.8							
	STS	01400	03.96	34.930	27.76		1489.8							
	DBS	01500	03.87	34.93	27.77	01.209	1491.1							
	STS	01500	03.87	34.930	27.77		1491.1							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID	31	8095	YEAR	1969	ROTOP	04755	AIP TEMP	14.2	DIR HGT PER	WIND-DIR	23	INST STD	RECORDED	TEN SQ	1306	
CONSEC	0020		MONTH	04	SHIP EN		WET BULB	12.1	20 2 3	WIND-SPO	22	TRACE DIR	0	5 SQUARE	1	
LAT	44	03	N	DAY	25	DATA USE	1	BAROMETR	1020.0	SEA		0UFATHN	00.3	2 SQUARE	40	
LONG	041	00	W	HOJR	18.0	AREA	05	CLOUD T/A		CL/TR		WEATHER	X2	CRIG 032 020	1 SQUARE	41

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI73	P4
18.0	STD	00000	13.79	35.91	26.96	00.000	1504.6							
	085	00000	13.79	35.915	26.96		1504.6							
	STD	0010	13.79	35.91	26.96	00.011	1504.8							
	085	00010	13.79	35.915	26.96		1504.8							
	STD	00020	13.79	35.92	26.96	00.022	1505.0							
	085	00020	13.79	35.916	26.96		1505.0							
	STD	00030	13.79	35.92	26.96	00.033	1505.1							
	085	00030	13.79	35.916	26.96		1505.1							
	STD	00050	13.78	35.91	26.96	00.055	1505.4							
	085	00050	13.78	35.915	26.96		1505.4							
	STD	00075	13.78	35.91	26.96	00.083	1505.8							
	085	00075	13.78	35.914	26.96		1505.8							
	STD	00100	13.79	35.91	26.95	00.112	1506.3							
	085	00100	13.79	35.913	26.95		1506.3							
	STD	00125	13.79	35.91	26.95	00.140	1506.7							
	085	00125	13.79	35.912	26.95		1506.7							
	STD	00150	13.80	35.91	26.95	00.169	1507.1							
	085	00150	13.80	35.912	26.95		1507.1							
	STD	00200	13.80	35.91	26.95	00.227	1507.9							
	085	00200	13.80	35.912	26.95		1507.9							
	STD	00250	13.80	35.91	26.95	00.286	1508.8							
	085	00250	13.80	35.912	26.95		1508.8							
	STD	00300	13.81	35.91	26.95	00.346	1509.6							
	085	00300	13.81	35.911	26.95		1509.6							
	STD	00380	13.70	35.877	26.95		1510.5							
	085	00380	13.70	35.877	26.95		1510.5							
	STD	00400	12.96	35.71	26.97	00.467	1508.2							
	085	00400	12.96	35.709	26.97		1508.2							
	STD	00500	10.54	35.29	27.10	00.581	1500.9							
	085	00500	10.54	35.288	27.10		1500.9							
	STD	00600	08.98	35.12	27.23	00.684	1496.6							
	085	00600	08.98	35.116	27.23		1496.6							
	STD	00700	07.12	34.97	27.40	00.772	1491.0							
	085	00700	07.12	34.972	27.40		1491.0							
	STD	00800	05.83	34.90	27.52	00.847	1487.5							
	085	00800	05.83	34.905	27.52		1487.5							
	STD	00900	05.50	34.96	27.60	00.911	1487.9							
	085	00900	05.50	34.957	27.60		1487.9							
	STD	01000	05.03	34.99	27.68	00.965	1487.7							
	085	01000	05.03	34.987	27.68		1487.7							
	STD	01100	04.51	34.95	27.71	01.021	1487.1							
	085	01100	04.51	34.950	27.71		1487.1							
	STD	01200	04.28	34.93	27.73	01.072	1487.8							
	085	01200	04.28	34.935	27.73		1487.8							
	STD	01300	04.16	34.94	27.74	01.121	1489.0							
	085	01300	04.16	34.942	27.74		1489.0							
	STD	01400	03.95	34.93	27.76	01.170	1489.8							
	085	01400	03.95	34.932	27.76		1489.8							
	STD	01500	03.94	34.95	27.77	01.217	1491.5							
	085	01500	03.94	34.948	27.77		1491.5							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April-4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID	31	8095	YEAR	1969	BOTOP	04755	AIR TEMP	14.0	DIR HGT PER	WIND-DIR	13	INST STD RECORDER	TEN 52	1306
CONSEC		0021	MONTH	04	SHIP EN		WET BULB	10.4	20 3 3	WIND-SPD	25	TRACE DIR	5	SQUARE 1
LAT	44	01	DAY	26	DATA USE	1	BAROMETP	1020.0	SEA	WIND-FDR		ORRATON	00.3	2
LONG	040	59	MOJR	00.0	AREA	05	CLOUD T/A		CL/TR	WEATHER	X1	DPTS 032 021	1	SQUARE 40

CSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNPTH	SND VEL	DTG	DT4	TOT P	NO2	NO3	SI03	P4
CA.C	STO	00000	13.76	35.91	26.96	00.000	1504.5							
	ORS	00000	13.76	35.909	26.96		1504.5							
	STO	00010	13.76	35.91	26.96	00.011	1504.7							
	ORS	00010	13.76	35.909	26.96		1504.7							
	STO	00020	13.76	35.91	26.96	00.022	1504.9							
	ORS	00020	13.76	35.910	26.96		1504.9							
	STO	00030	13.76	35.91	26.96	00.033	1505.0							
	ORS	00030	13.76	35.910	26.96		1505.0							
	STO	00050	13.77	35.91	26.96	00.055	1505.4							
	ORS	00050	13.77	35.911	26.96		1505.4							
	STO	00075	13.79	35.91	26.95	00.083	1505.9							
	ORS	00075	13.79	35.912	26.95		1505.9							
	STO	00100	13.78	35.91	26.96	00.112	1506.2							
	ORS	00100	13.78	35.913	26.96		1506.2							
	STO	00125	13.79	35.91	26.95	00.140	1506.7							
	ORS	00125	13.79	35.914	26.95		1506.7							
	STO	00150	13.79	35.91	26.95	00.169	1507.1							
	ORS	00150	13.79	35.908	26.95		1507.1							
	STO	00200	13.79	35.91	26.95	00.228	1507.9							
	ORS	00200	13.79	35.906	26.95		1507.9							
	STO	00250	13.79	35.90	26.95	00.287	1508.7							
	ORS	00250	13.79	35.905	26.95		1508.7							
	STO	00300	13.79	35.90	26.95	00.346	1509.5							
	ORS	00300	13.79	35.904	26.95		1509.5							
	STO	00400	13.15	35.75	26.96	00.467	1508.9							
	ORS	00400	13.15	35.746	26.96		1508.9							
	STO	00500	10.78	35.30	27.07	00.584	1501.8							
	ORS	00500	10.78	35.301	27.07		1501.8							
	STO	00600	08.58	35.07	27.26	00.687	1495.1							
	ORS	00600	08.58	35.075	27.26		1495.1							
	STO	00700	06.91	34.96	27.42	00.773	1490.2							
	ORS	00700	06.91	34.959	27.42		1490.2							
	STO	00800	05.68	34.91	27.55	00.844	1486.9							
	ORS	00800	05.68	34.914	27.55		1486.9							
	STO	00900	05.33	34.95	27.62	00.907	1487.2							
	ORS	00900	05.33	34.953	27.62		1487.2							
	STO	01000	04.93	34.96	27.57	00.964	1487.2							
	ORS	01000	04.93	34.962	27.67		1487.2							
	STO	01100	04.51	34.94	27.71	01.016	1487.1							
	ORS	01100	04.51	34.945	27.71		1487.1							
	STO	01200	04.29	34.94	27.73	01.067	1487.9							
	ORS	01200	04.29	34.936	27.73		1487.9							
	STO	01300	04.15	34.93	27.74	01.117	1489.0							
	ORS	01300	04.15	34.935	27.74		1489.0							
	STO	01400	04.39	34.94	27.72	01.169	1491.6							
	ORS	01400	04.39	34.940	27.72		1491.6							
	STO	01500	03.88	34.93	27.77	01.219	1491.2							
	ORS	01500	03.88	34.934	27.77		1491.2							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April-4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095 YEAR 1969 ROTOP 04755 AIR TEMP 13.9 OIP HGT PER WIND-DIR 23 INST STO RECORDER TEN SQ 1306
 CONSEC 0022 MONTH 04 SHIP EN WET BULB 13.5 20 5 3 WIND-SPO 07 TRACE OIP 0 5 SQUARE 1
 LAT 44 00 N DAY 27 DATA USE 1 BAROMETR 1009.0 SEA WIND-FDR DURATION 00.4 2 SQUARE 40
 LONG 041 00 W MOJIP 00.1 AREA 05 CLOUD T/A CL/TP WEATHER XZ PRIG 032 022 1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	STMA-T	SYNPTH	SND VEL	XYG	P34	TOT P	V02	N03	S133	P4
00.1	STO	00000	13.79	35.89	26.94	00.000	1504.6							
	OBS	00000	13.79	35.891	26.94		1504.6							
	STO	00010	13.79	35.89	26.94	00.011	1504.8							
	OBS	00010	13.79	35.891	26.94		1504.8							
	STO	00020	13.78	35.89	26.94	00.022	1504.9							
	OBS	00020	13.78	35.887	26.94		1504.9							
	STO	00030	13.77	35.89	26.94	00.033	1505.0							
	OBS	00030	13.77	35.887	26.94		1505.0							
	STO	00050	13.77	35.89	26.94	00.056	1505.3							
	OBS	00050	13.77	35.888	26.94		1505.3							
	STO	00075	13.78	35.89	26.94	00.085	1505.8							
	OBS	00075	13.78	35.889	26.94		1505.8							
	STO	00100	13.78	35.89	26.94	00.114	1506.2							
	OBS	00100	13.78	35.890	26.94		1506.2							
	STO	00125	13.74	35.88	26.94	00.143	1506.5							
	OBS	00125	13.74	35.882	26.94		1506.5							
	STO	00150	13.71	35.88	26.95	00.172	1506.8							
	OBS	00150	13.71	35.883	26.95		1506.8							
	STO	00200	13.42	35.80	26.95	00.230	1506.6							
	OBS	00200	13.42	35.805	26.95		1506.6							
	STO	00250	13.14	35.75	26.96	00.289	1506.4							
	OBS	00250	13.14	35.747	26.96		1506.4							
	STO	00300	12.67	35.64	26.97	00.347	1505.5							
	OBS	00300	12.67	35.639	26.97		1505.5							
	STO	00400	11.53	35.43	27.03	00.463	1503.0							
	OBS	00400	11.53	35.434	27.03		1503.0							
	STO	00500	09.73	35.17	27.15	00.571	1497.8							
	OBS	00500	09.73	35.168	27.15		1497.8							
	STO	00600	08.31	35.08	27.31	00.667	1494.1							
	OBS	00600	08.31	35.082	27.31		1494.1							
	STO	00700	06.63	34.97	27.47	00.748	1489.1							
	OBS	00700	06.63	34.972	27.47		1489.1							
	STO	00800	05.86	34.97	27.57	00.816	1487.7							
	OBS	00800	05.86	34.971	27.57		1487.7							
	STO	00900	05.17	34.95	27.63	00.877	1486.5							
	OBS	00900	05.17	34.946	27.63		1486.5							
	STO	00925	05.17	34.957	27.64		1486.9							
	STO	01000	04.89	34.97	27.69	00.932	1487.1							
	OBS	01000	04.89	34.970	27.69		1487.1							
	STO	01030	05.00	34.999	27.70		1488.0							
	OBS	01030	05.00	34.999	27.70		1488.0							
	STO	01100	04.90	35.00	27.71	00.985	1488.8							
	OBS	01100	04.90	35.004	27.71		1488.8							
	STO	01200	04.60	34.99	27.73	01.036	1489.2							
	OBS	01200	04.60	34.989	27.73		1489.2							
	STO	01300	04.39	34.98	27.75	01.086	1490.3							
	OBS	01300	04.39	34.983	27.75		1490.3							
	STO	01400	04.19	34.97	27.76	01.135	1490.9							
	OBS	01400	04.19	34.968	27.76		1490.9							
	STO	01500	04.06	34.96	27.77	01.183	1492.0							
	OBS	01500	04.06	34.962	27.77		1492.0							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April-4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095 YEAR 1969 BOTOP 04755 AIR TEMP 13.3 OIR HGT REF WIND-OIR 25 INST STO RECORDER TEM S3 1306
 CONSEC 0023 MONTH 04 SHIP EN WET BULB 12.8 20 2 3 WIND-SPO 13 TRACE OIP 0 5 SQUARE 1
 LAT 43 51 N DAY 27 DATA USE 1 BAROMETP 1006.0 SEA ORURATION 03.2 2 SQUARE 20
 LONG 041 02 W HOUR 06.0 AREA 05 CLOUD T/A CL/T/P WEATHER XJ ORIG 032 023 1 SQUARE 31

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SNO VEL	DRYG	P34	TOT P	NO2	NO3	S133	P4
06.0	STO	0000	13.77	35.89	26.94	00.000	1504.5							
	085	0000	13.77	35.893	26.94		1504.5							
	STO	0010	13.77	35.89	26.94	00.011	1504.7							
	085	0010	13.77	35.893	26.94		1504.7							
	STO	0020	13.76	35.89	26.95	00.022	1504.8							
	085	0020	13.76	35.894	26.95		1504.8							
	STO	0030	13.76	35.89	26.94	00.033	1505.0							
	085	0030	13.76	35.889	26.94		1505.0							
	STO	0050	13.76	35.89	26.94	00.056	1505.3							
	085	0050	13.76	35.890	26.94		1505.3							
	STO	0075	13.76	35.89	26.94	00.084	1505.7							
	085	0075	13.76	35.891	26.94		1505.7							
	STO	0100	13.77	35.89	26.94	00.113	1506.2							
	085	0100	13.77	35.892	26.94		1506.2							
	STO	0125	13.77	35.89	26.94	00.142	1506.6							
	085	0125	13.77	35.889	26.94		1506.6							
	STO	0150	13.77	35.89	26.94	00.171	1507.0							
	085	0150	13.77	35.890	26.94		1507.0							
	STO	0200	13.68	35.86	26.94	00.230	1507.5							
	085	0200	13.68	35.862	26.94		1507.5							
	STO	0225	13.28	35.77	26.95	00.289	1506.9							
	085	0225	13.28	35.774	26.95		1506.9							
	STO	00300	12.80	35.68	26.97	00.348	1506.0							
	085	00300	12.80	35.676	26.97		1506.0							
	STO	00400	11.38	35.41	27.04	00.463	1502.4							
	085	00400	11.38	35.411	27.04		1502.4							
	STO	00500	09.43	35.13	27.17	00.570	1496.7							
	085	00500	09.43	35.125	27.17		1496.7							
	STO	00600	07.78	34.98	27.31	00.664	1491.9							
	085	00600	07.78	34.980	27.31		1491.9							
	STO	00650	06.78	34.922	27.41		1488.9							
	085	00650	06.78	34.922	27.41		1488.9							
	STO	00700	06.64	34.96	27.46	00.745	1489.1							
	085	00700	06.64	34.964	27.46		1489.1							
	STO	00800	05.64	34.95	27.58	00.813	1486.8							
	085	00800	05.64	34.954	27.58		1486.8							
	STO	00900	05.25	34.98	27.65	00.872	1486.9							
	085	00900	05.25	34.983	27.65		1486.9							
	STO	01000	05.05	34.998	27.69	00.927	1487.8							
	085	01000	05.05	34.998	27.69		1487.8							
	STO	01100	04.80	35.00	27.72	00.979	1488.4							
	085	01100	04.80	35.002	27.72		1488.4							
	STO	01200	04.57	34.99	27.74	01.029	1489.1							
	085	01200	04.57	34.987	27.74		1489.1							
	STO	01300	04.41	34.98	27.75	01.079	1490.1							
	085	01300	04.41	34.981	27.75		1490.1							
	STO	01400	04.18	34.97	27.76	01.128	1490.8							
	085	01400	04.18	34.966	27.76		1490.8							
	STO	01500	04.01	34.96	27.77	01.176	1491.8							
	085	01500	04.01	34.960	27.77		1491.8							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April-4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

RFFID 31 8095 YEAR 1969 BOTOP 04755 AIP TEMP 11.1 DIR HGT PER WIND-DIR 29 INST STO RECORDER TEN SQ 1336
 CONSEC 2224 MONTH 04 SHIP EN WET BULB 10.0 29 3 3 WIND-SPO 25 TRACE DIR 3 5 SQUARE 1
 LAT 44 03 N DAY 27 DATA USE 1 BAROMETR 1002.0 SEA WIND-FJR DURATION 00.2 2 SQUARE 40
 LONG 043 58 W HOJR 12.1 AREA .05 CLCUJ T/A CL/YR WEATHER X1 ORIG 032 224 1 SQUARE 40

CAS*NUM/TIME	LVL*YR	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	CHYG	P14	TOT P	N02	N03	S133	P4
12.1	STO	00300	13.94	35.89	26.90	00.000	1505.1							
	OBS	00000	13.94	35.889	26.90		1505.1							
	STO	00010	13.84	35.89	26.93	00.011	1504.9							
	OBS	00010	13.84	35.895	26.93		1504.9							
	STO	00020	13.84	35.90	26.93	00.022	1505.1							
	OBS	00020	13.84	35.896	26.93		1505.1							
	STO	00030	13.84	35.90	26.93	00.034	1505.3							
	OBS	00030	13.84	35.897	26.93		1505.3							
	STO	00050	13.85	35.90	26.93	00.057	1505.6							
	OBS	00050	13.85	35.897	26.93		1505.6							
	STO	00075	13.77	35.88	26.94	00.085	1505.8							
	OBS	00075	13.77	35.883	26.94		1505.8							
	STO	00100	13.67	35.86	26.94	00.114	1505.8							
	OBS	00100	13.67	35.864	26.94		1505.8							
	STO	00125	13.64	35.86	26.94	00.143	1506.1							
	OBS	00125	13.64	35.858	26.94		1506.1							
	STO	00150	13.67	35.87	26.95	00.172	1506.6							
	OBS	00150	13.67	35.869	26.95		1506.6							
	STO	00200	13.69	35.88	26.95	00.230	1507.5							
	OBS	00200	13.69	35.877	26.95		1507.5							
	STO	00250	13.68	35.87	26.95	00.290	1508.3							
	OBS	00250	13.68	35.873	26.95		1508.3							
	STO	00300	13.62	35.76	26.94	00.350	1507.8							
	OBS	00300	13.62	35.764	26.94		1507.8							
	STO	00400	12.12	35.49	26.96	00.470	1505.1							
	OBS	00400	12.12	35.486	26.96		1505.1							
	OBS	00472	10.40	35.180	27.04		1499.8							
	OBS	00490	10.85	35.332	27.08		1501.9							
	STO	00500	10.61	35.28	27.08	00.586	1501.2							
	OBS	00500	10.61	35.283	27.08		1501.2							
	STO	00600	08.57	35.08	27.27	00.687	1495.1							
	OBS	00600	08.57	35.077	27.27		1495.1							
	STO	00700	06.68	34.91	27.41	00.773	1489.2							
	OBS	00700	06.68	34.912	27.41		1489.2							
	STO	00800	05.57	34.92	27.56	00.844	1486.4							
	OBS	00800	05.57	34.916	27.56		1486.4							
	STO	00900	05.28	34.95	27.63	00.905	1487.0							
	OBS	00900	05.28	34.954	27.63		1487.0							
	STO	01000	04.82	34.94	27.67	00.962	1486.7							
	OBS	01000	04.82	34.937	27.67		1486.7							
	STO	01100	04.61	34.95	27.70	01.016	1487.5							
	OBS	01100	04.61	34.950	27.70		1487.5							
	STO	01200	04.49	34.96	27.73	01.067	1488.7							
	OBS	01200	04.49	34.964	27.73		1488.7							
	STO	01300	04.29	34.97	27.75	01.117	1489.6							
	OBS	01300	04.29	34.967	27.75		1489.6							
	STO	01400	04.13	34.95	27.76	01.165	1490.6							
	OBS	01400	04.13	34.953	27.76		1490.6							
	STO	01500	04.06	34.96	27.77	01.214	1492.0							
	OBS	01500	04.06	34.959	27.77		1492.0							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095	YEAR 1969	BOATOP 04755	AIR TEMP 13.9	OIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0225	MONTH 04	SHIP EN	WET BULB 13.3	29 3 3	WIND-SPD 23	TRACE DIR 0	5 SQUARE 1
LAT 43 57 N	DAY 27	DATA USE 1	BAROMETR 1006.0	SEA	WIND-FJR	DURATION 00.3	2 SQUARE 20
LONG 040 56 W	HOUR 18.1	AREA 05	CLOUD T/A	CL/TP	WEATHER X1	NOIS 032 025	1 SQUARE 30

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYDRPTH	SNO VEL	XYG	P34	TOT P	NO2	NO3	S103	PM
18.1	STO	00000	13.92	35.91	26.92	00.000	1505.0							
	ONS	00000	13.92	35.907	26.92		1505.0							
	STO	00010	13.92	35.91	26.92	00.011	1505.2							
	ONS	00010	13.92	35.907	26.92		1505.2							
	STO	00020	13.93	35.91	26.92	00.022	1505.4							
	ONS	00020	13.93	35.907	26.92		1505.4							
	STO	00030	13.93	35.91	26.92	00.034	1505.6							
	ONS	00030	13.93	35.907	26.92		1505.6							
	STO	00050	13.94	35.91	26.92	00.057	1505.9							
	ONS	00050	13.94	35.907	26.92		1505.9							
	STO	00075	13.92	35.91	26.92	00.086	1506.3							
	ONS	00075	13.92	35.906	26.92		1506.3							
	STO	00100	13.80	35.89	26.93	00.115	1506.3							
	ONS	00100	13.80	35.889	26.93		1506.3							
	STO	00125	13.75	35.88	26.94	00.144	1506.5							
	ONS	00125	13.75	35.881	26.94		1506.5							
	STO	00150	13.75	35.88	26.94	00.173	1506.9							
	ONS	00150	13.75	35.879	26.94		1506.9							
	STO	00200	13.72	35.88	26.94	00.232	1507.6							
	ONS	00200	13.72	35.876	26.94		1507.6							
	STO	00250	13.72	35.88	26.94	00.292	1508.4							
	ONS	00250	13.72	35.876	26.94		1508.4							
	STO	00290	13.69	35.860	26.93		1509.0							
	ONS	00300	13.40	35.78	26.93	00.352	1508.1							
	STO	00300	13.40	35.781	26.93		1508.1							
	ONS	00400	12.12	35.51	26.98	00.472	1505.1							
	STO	00400	12.12	35.510	26.98		1505.1							
	ONS	00500	10.36	35.24	27.10	00.586	1500.2							
	STO	00500	10.36	35.245	27.10		1500.2							
	ONS	00600	08.32	35.04	27.28	00.686	1494.1							
	STO	00600	08.32	35.043	27.28		1494.1							
	ONS	00700	06.71	34.94	27.43	00.770	1489.4							
	STO	00700	06.71	34.937	27.43		1489.4							
	ONS	00800	05.58	34.94	27.58	00.840	1486.5							
	STO	00800	05.58	34.940	27.58		1486.5							
	ONS	00900	05.16	34.96	27.64	00.899	1486.5							
	STO	00900	05.16	34.958	27.64		1486.5							
	ONS	01000	04.66	34.93	27.58	00.954	1486.1							
	STO	01000	04.66	34.932	27.68		1486.1							
	ONS	01100	04.40	34.93	27.71	01.006	1486.6							
	STO	01100	04.40	34.928	27.71		1486.6							
	ONS	01200	04.40	34.95	27.72	01.057	1488.3							
	STO	01200	04.40	34.950	27.72		1488.3							
	ONS	01300	04.14	34.93	27.74	01.107	1488.9							
	STO	01300	04.14	34.931	27.74		1488.9							
	ONS	01400	03.92	34.91	27.75	01.156	1489.6							
	STO	01400	03.92	34.912	27.75		1489.6							
	ONS	01500	03.91	34.92	27.75	01.205	1491.3							
	STO	01500	03.91	34.921	27.75		1491.3							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095	YEAR 1969	ROTD 04755	AIR TEMP 07.8	DIR HGT REP	WIND-DIR 27	INST STD RECORDER	TEN SQ 1306
CONSEC 026	MONTH 04	SHIP EN	WET BULB 07.2	29 3 5	WIND-SPD 19	TRACE DIR 0	5 SQUARE 1
LAT 43 58 N	DAY 29	DATA USE 1	BAROMETR 1016.0	SEA	WIND-FZR	DURATION 00.3	2 SQUARE 20
LONG 040 58 W	HOUR 00.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG 032 026	1 SQUARE 30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	STGMA-T	DYNPTH	SND VEL	DXYG	RJ4	TOT P	NO2	NO3	S133	P4
00.1	STD	00000	13.67	35.88	26.96	00.000	1504.2							
	DBS	00000	13.67	35.882	26.96		1504.2							
	STD	00010	13.67	35.88	26.96	00.011	1504.4							
	DBS	00010	13.67	35.882	26.96		1504.4							
	STD	00020	13.68	35.88	26.95	00.022	1504.6							
	DBS	00020	13.68	35.883	26.95		1504.6							
	STD	00030	13.67	35.88	26.95	00.033	1504.7							
	DBS	00030	13.67	35.880	26.95		1504.7							
	STD	00050	13.68	35.88	26.95	00.055	1505.0							
	DBS	00050	13.68	35.881	26.95		1505.0							
	STD	00075	13.68	35.88	26.95	00.084	1505.4							
	DBS	00075	13.68	35.877	26.95		1505.4							
	STD	00100	13.68	35.88	26.95	00.112	1505.9							
	DBS	00100	13.68	35.879	26.95		1505.9							
	STD	00125	13.67	35.88	26.95	00.141	1506.2							
	DBS	00125	13.67	35.880	26.95		1506.2							
	STD	00150	13.66	35.87	26.95	00.170	1506.6							
	DBS	00150	13.66	35.871	26.95		1506.6							
	STD	00200	13.65	35.86	26.94	00.228	1507.4							
	DBS	00200	13.65	35.863	26.94		1507.4							
	STD	00250	13.45	35.81	26.94	00.287	1507.5							
	DBS	00250	13.45	35.807	26.94		1507.5							
	STD	00300	13.10	35.72	26.95	00.347	1507.0							
	DBS	00300	13.10	35.718	26.95		1507.0							
	STD	00400	11.96	35.51	27.01	00.465	1504.5							
	DBS	00400	11.96	35.507	27.01		1504.5							
	STD	00470	10.75	35.296	27.07		1501.2							
	DBS	00500	10.13	35.17	27.08	00.578	1499.3							
	STD	00500	10.13	35.167	27.08		1499.3							
	DBS	00600	08.73	35.09	27.25	00.681	1495.7							
	STD	00600	08.73	35.092	27.25		1495.7							
	STD	00700	06.98	34.97	27.42	00.767	1490.5							
	DBS	00700	06.98	34.966	27.42		1490.5							
	STD	00800	05.66	34.91	27.54	00.839	1486.8							
	DBS	00800	05.66	34.907	27.54		1486.8							
	STD	00900	05.28	34.94	27.62	00.902	1486.9							
	DBS	00900	05.28	34.940	27.62		1486.9							
	DBS	00950	05.38	35.006	27.66		1488.3							
	STD	01000	05.08	34.98	27.67	00.959	1487.8							
	DBS	01000	05.08	34.980	27.67		1487.8							
	STD	01100	04.61	34.94	27.70	01.013	1487.5							
	DBS	01100	04.61	34.945	27.70		1487.5							
	STD	01200	04.27	34.93	27.72	01.065	1487.8							
	DBS	01200	04.27	34.929	27.72		1487.8							
	STD	01300	04.12	34.92	27.73	01.115	1488.8							
	DBS	01300	04.12	34.924	27.73		1488.8							
	STD	01400	03.98	34.92	27.75	01.164	1489.9							
	DBS	01400	03.98	34.923	27.75		1489.9							
	STD	01500	03.87	34.92	27.76	01.213	1491.1							
	DBS	01500	03.87	34.923	27.76		1491.1							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April-4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

OFFID 31 8095 YEAR 1969 BOTOP 04755 AIP TEMP 10.0 DTR HGT PER 41ND-DIP 34 INST STD RECORDER TEN SJ 1376
 CONSEC 0027 MONTH 04 SHIP EN WET RULB 07.2 36 2 3 WIND-SPD 12 TRACE OIR 0 5 SQUARE 1
 LAT 43 55 N DAY 29 DATA USE 1 BAROMETR 1019.0 SEA WIND-FJR OURATION 00.3 2 SQUARE 20
 LONG 041 02 W HOUR 18.0 AREA 05 (CLOUD) T/A CL/TR WEATHER X1 DRIS 032 027 1 SQUARE 31

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	CHYG	P34	TOT P	NO2	NO3	SIJ3	P4
18.0	STD	00000	13.89	35.91	26.93	00.000	1504.9							
	08S	00000	13.89	35.908	26.93		1504.9							
	STD	00010	13.88	35.91	26.93	00.011	1505.1							
	08S	00010	13.88	35.908	26.93		1505.1							
	STD	00020	13.87	35.91	26.93	00.022	1505.2							
	08S	00020	13.87	35.908	26.93		1505.2							
	STD	00030	13.85	35.91	26.94	00.034	1505.3							
	08S	00030	13.85	35.908	26.94		1505.3							
	STD	00050	13.85	35.91	26.94	00.056	1505.6							
	08S	00050	13.85	35.909	26.94		1505.6							
	STD	00075	13.85	35.91	26.94	00.085	1506.0							
	08S	00075	13.85	35.908	26.94		1506.0							
	STD	00100	13.85	35.91	26.94	00.114	1506.5							
	08S	00100	13.85	35.907	26.94		1506.5							
	STD	00125	13.84	35.90	26.93	00.143	1506.8							
	08S	00125	13.84	35.901	26.93		1506.8							
	STD	00150	13.82	35.89	26.93	00.172	1507.2							
	08S	00150	13.82	35.893	26.93		1507.2							
	STD	00200	13.50	35.82	26.95	00.231	1506.8							
	08S	00200	13.50	35.823	26.95		1506.8							
	STD	00250	13.42	35.81	26.95	00.290	1507.4							
	08S	00250	13.42	35.808	26.95		1507.4							
	STD	00300	13.08	35.74	26.97	00.349	1507.0							
	08S	00300	13.08	35.738	26.97		1507.0							
	STD	00400	11.63	35.44	27.02	00.465	1503.3							
	08S	00400	11.63	35.444	27.02		1503.3							
	STD	00500	09.78	35.19	27.16	00.574	1498.0							
	08S	00500	09.78	35.193	27.16		1498.0							
	STD	00600	08.37	35.08	27.30	00.670	1494.3							
	08S	00600	08.37	35.079	27.30		1494.3							
	STD	00700	06.51	34.95	27.47	00.751	1488.6							
	08S	00700	06.51	34.950	27.47		1488.6							
	STD	00800	05.61	34.92	27.56	00.820	1486.6							
	08S	00800	05.61	34.921	27.56		1486.6							
	STD	00880	05.21	34.948	27.63		1486.3							
	08S	00880	05.21	34.948	27.63	00.881	1488.0							
	STD	00900	05.53	35.00	27.63		1488.0							
	08S	00900	05.53	34.998	27.63		1488.0							
	STD	00925	05.31	35.009	27.67		1487.6							
	08S	00925	05.31	35.009	27.67	00.937	1486.7							
	STD	01000	04.80	34.96	27.69		1486.7							
	08S	01000	04.80	34.965	27.69		1486.7							
	STD	01100	04.43	34.94	27.71	00.988	1486.8							
	08S	01100	04.43	34.938	27.71		1486.8							
	STD	01200	04.22	34.93	27.73	01.039	1487.6							
	08S	01200	04.22	34.928	27.73		1487.6							
	STD	01300	04.07	34.92	27.74	01.088	1488.6							
	08S	01300	04.07	34.919	27.74		1488.6							
	STD	01400	03.98	34.92	27.75	01.137	1489.9							
	08S	01400	03.98	34.923	27.75		1489.9							
	STD	01500	03.91	34.92	27.76	01.186	1491.3							
	08S	01500	03.91	34.925	27.76		1491.3							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095 YEAR 1969 BCTOP 04755 AIP TEMP 10.0 OIR HGT PER WIND-DIR 33 INST STO RECDROER TEN SQ 1306
 CONSEC 0028 MONTH 04 SHIP EN WET BULB 07.2 30 2 2 WIND-SPO 09 TRACE OIR 0 5 SQUARE 1
 LAT 44 03 N DAY 30 DATA USE 1 BAROMETR 1019.0 SEA WIND-FDR OURATION 00.6 2 SQUARE 40
 LONG 040 57 W HOUR 03.1 AREA 05 CLOUD T/A CL/TR WEATHER 01 ORIG 032 028 1 SQUARE 40

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	XYG	P14	TOT P	NO2	NO3	S133	P4
00.1	STO	00000	13.80	35.90	26.95	00.000	1504.6							
	085	00000	13.80	35.905	26.95		1504.6							
	STO	00010	13.80	35.90	26.95	00.011	1504.8							
	085	00010	13.80	35.905	26.95		1504.8							
	STO	00020	13.80	35.90	26.95	00.022	1505.0							
	085	00020	13.80	35.905	26.95		1505.0							
	STO	00030	13.80	35.91	26.95	00.033	1505.1							
	085	00030	13.80	35.906	26.95		1505.1							
	STO	00050	13.80	35.91	26.95	00.056	1505.5							
	085	00050	13.80	35.906	26.95		1505.5							
	STO	00075	13.80	35.90	26.94	00.084	1505.9							
	085	00075	13.80	35.903	26.94		1505.9							
	STO	00100	13.80	35.90	26.94	00.113	1506.3							
	085	00100	13.80	35.899	26.94		1506.3							
	STO	00125	13.80	35.90	26.94	00.142	1506.7							
	085	00125	13.80	35.899	26.94		1506.7							
	STO	00150	13.71	35.88	26.95	00.171	1506.8							
	085	00150	13.71	35.880	26.95		1506.8							
	STO	00200	13.74	35.89	26.95	00.229	1507.7							
	085	00200	13.74	35.891	26.95		1507.7							
	STO	00250	13.61	35.85	26.94	00.288	1508.1							
	085	00250	13.61	35.852	26.94		1508.1							
	STO	00300	13.50	35.82	26.95	00.348	1508.5							
	085	00300	13.50	35.823	26.95		1508.5							
	STO	00400	11.88	35.48	27.01	00.467	1504.2							
	085	00400	11.88	35.484	27.01		1504.2							
	STO	00500	09.98	35.20	27.13	00.577	1498.8							
	085	00500	09.98	35.201	27.13		1498.8							
	STO	00600	08.43	35.03	27.25	00.677	1494.5							
	085	00600	08.43	35.028	27.25		1494.5							
	STO	00700	07.00	34.99	27.43	00.763	1490.6							
	085	00700	07.00	34.990	27.43		1490.6							
	STO	00800	05.65	34.92	27.56	00.834	1486.8							
	085	00800	05.65	34.922	27.56		1486.8							
	STO	00900	05.29	34.97	27.64	00.895	1487.0							
	085	00900	05.29	34.974	27.64		1487.0							
	STO	01000	04.80	34.96	27.68	00.950	1486.7							
	085	01000	04.80	34.956	27.68		1486.7							
	STO	01100	04.51	34.95	27.71	01.002	1487.1							
	085	01100	04.51	34.948	27.71		1487.1							
	STO	01200	04.25	34.93	27.72	01.052	1487.7							
	085	01200	04.25	34.929	27.72		1487.7							
	STO	01300	04.07	34.92	27.74	01.102	1488.6							
	085	01300	04.07	34.921	27.74		1488.6							
	STO	01400	03.97	34.92	27.75	01.151	1489.9							
	085	01400	03.97	34.923	27.75		1489.9							
	STO	01500	03.87	34.92	27.76	01.200	1491.1							
	085	01500	03.87	34.925	27.76		1491.1							
	STO	01700	03.75	34.929	27.78	01.320	1494.0							
	085	01700	03.75	34.929	27.78		1494.0							
	STO	01750	03.72	34.93	27.78	01.440	1498.4							
	085	01750	03.72	34.93	27.78		1498.4							
	STO	02000	03.58	34.934	27.80	01.671	1505.9							
	085	02000	03.58	34.934	27.80		1505.9							
	STO	02500	03.33	34.98	27.86	01.885	1512.9							
	085	02500	03.33	34.979	27.86		1512.9							
	STO	03000	02.94	34.99	27.91		1512.9							
	085	03000	02.94	34.993	27.91		1512.9							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095 YEAR 1969 BOTDTP 04755 AIR TEMP 10.0 DIR HGT PER WIND-DIP 27 INST STO RECORDER TEN 53 1306
 CONSEC 0029 MONTH 04 SHIP EN WET BULB 08.3 29 1 3 WIND-SPD 15 TRACE DIR 0 5 SQUARE 1
 LAT 43 59 N DAY 32 OATF USE 1 8ARDMETR 1C19.C SEA WIND-FJR DURATDN 00.3 2 SQUARE 20
 LONG 040 57 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 DRIG D32 029 1 SQUARE 20

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNORTH	SND VEL	DXYG	P34	TOT P	NO2	NO3	SIC3	PH
12.2	STD	00000	13.80	35.92	26.96	00.000	1504.7							
	D85	00000	13.80	35.922	26.96		1504.7							
	STD	00010	13.80	35.92	26.96	00.011	1504.8							
	D85	00010	13.80	35.922	26.96		1504.8							
	STD	00020	13.80	35.92	26.96	00.022	1505.0							
	D85	00020	13.80	35.922	26.96		1505.0							
	STD	00030	13.79	35.92	26.96	00.033	1505.1							
	D85	00030	13.79	35.922	26.96		1505.1							
	STD	00050	13.79	35.92	26.96	00.055	1505.5							
	D85	00050	13.79	35.918	26.96		1505.5							
	STD	00075	13.79	35.92	26.96	00.083	1505.9							
	D85	00075	13.79	35.916	26.96		1505.9							
	STD	00100	13.79	35.91	26.95	00.112	1506.3							
	D85	00100	13.79	35.912	26.95		1506.3							
	STD	00125	13.73	35.91	26.97	00.140	1506.5							
	D85	00125	13.73	35.911	26.97		1506.5							
	STD	00150	13.71	35.90	26.96	00.169	1506.8							
	D85	00150	13.71	35.897	26.96		1506.8							
	STD	00200	13.68	35.89	26.96	00.227	1507.5							
	D85	00200	13.68	35.890	26.96		1507.5							
	STD	00250	13.67	35.88	26.96	00.285	1508.3							
	D85	00250	13.67	35.882	26.96		1508.3							
	STD	00300	13.27	35.77	26.96	00.345	1507.7							
	D85	00300	13.27	35.775	26.96		1507.7							
	STD	00400	11.90	35.51	27.02	00.461	1504.3							
	D85	00400	11.90	35.513	27.02		1504.3							
	STD	00500	10.23	35.24	27.12	00.572	1499.7							
	D85	00500	10.23	35.245	27.12		1499.7							
	STD	00600	08.35	35.08	27.30	00.670	1494.2							
	D85	00600	08.35	35.078	27.30		1494.2							
	STD	00700	06.56	34.96	27.47	00.751	1488.8							
	D85	00700	06.56	34.960	27.47		1488.8							
	STD	00800	05.65	34.94	27.57	00.819	1486.8							
	D85	00800	05.65	34.942	27.57		1486.8							
	STD	00900	05.23	34.98	27.66	00.878	1486.8							
	D85	00900	05.23	34.984	27.66		1486.8							
	STD	01000	04.68	34.95	27.70	00.932	1486.2							
	D85	01000	04.68	34.954	27.70		1486.2							
	STD	01030	04.57	34.951	27.71		1486.2							
	D85	01030	04.57	34.951	27.71		1486.2							
	STD	01060	04.62	34.974	27.72		1487.0							
	D85	01060	04.62	34.974	27.72		1487.0							
	STD	01100	04.47	34.96	27.72	00.983	1487.0							
	D85	01100	04.47	34.96	27.72		1487.0							
	STD	01115	04.54	34.968	27.72		1487.5							
	D85	01115	04.54	34.968	27.72		1487.5							
	STD	01200	04.34	34.96	27.74	01.032	1488.1							
	D85	01200	04.34	34.958	27.74		1488.1							
	STD	01300	04.28	34.97	27.75	01.081	1489.6							
	D85	01300	04.28	34.970	27.75		1489.6							
	STD	01400	04.13	34.96	27.76	01.129	1490.6							
	D85	01400	04.13	34.963	27.76		1490.6							
	STD	01500	03.94	34.95	27.77	01.177	1491.5							
	D85	01500	03.94	34.947	27.77		1491.5							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April-4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095 YEAR 1969 BOTOP 04755 AIR TEMP 12.2 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1336
 CONSEC 0030 MONTH 04 SHIP EN WET BULB 10.0 27 2 3 WIND-SPO 23 TRACE DIR 0 5 SQUARE 1
 LAT 43 53 N DAY 30 DATA USE 1 BAROMETR 1019.0 SEA WIND-FDR DURATION 03.4 2 SQUARE 20
 LONG 040 54 W MOJP 18.1 AREA C5 CLOUD T/A CL/TR WEATHER X2 ORIG 032 030 1 SQUARE 30

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SNO VEL	CHYG	RJ4	TOT P	NO2	NO3	S133	P4
18.1	ST0	00000	13.86	35.91	26.94	00.000	1504.9							
	085	00300	13.86	35.912	26.94		1504.9							
	ST0	00010	13.82	35.91	26.94	00.011	1504.9							
	085	00310	13.82	35.909	26.94		1504.9							
	ST0	00020	13.77	35.91	26.96	00.022	1504.9							
	085	00020	13.77	35.910	26.96		1504.9							
	ST0	00030	13.76	35.91	26.96	00.033	1505.0							
	085	00030	13.76	35.910	26.96		1505.0							
	ST0	00050	13.75	35.91	26.96	00.055	1505.3							
	085	00050	13.75	35.910	26.96		1505.3							
	ST0	00075	13.74	35.91	26.96	00.084	1505.7							
	085	00075	13.74	35.909	26.96		1505.7							
	ST0	00100	13.74	35.91	26.96	00.112	1506.1							
	085	00100	13.74	35.909	26.96		1506.1							
	ST0	00125	13.73	35.90	26.96	00.140	1506.5							
	085	00125	13.73	35.904	26.96		1506.5							
	ST0	00150	13.71	35.90	26.96	00.169	1506.8							
	085	00150	13.71	35.900	26.96		1506.8							
	ST0	00200	13.71	35.90	26.96	00.227	1507.6							
	085	00200	13.71	35.898	26.96		1507.6							
	ST0	00250	13.71	35.90	26.96	00.285	1508.4							
	085	00250	13.71	35.896	26.96		1508.4							
	ST0	00300	13.52	35.85	26.96	00.344	1508.6							
	085	00300	13.52	35.848	26.96		1508.6							
	ST0	00400	11.88	35.60	27.10	00.458	1504.4							
	085	00400	11.88	35.604	27.10		1504.4							
	ST0	00500	09.98	35.52	27.38	00.552	1499.2							
	085	00500	09.98	35.522	27.38		1499.2							
	ST0	00600	07.93	35.21	27.47	00.630	1492.8							
	085	00600	07.93	35.208	27.47		1492.8							
	ST0	00700	06.54	35.03	27.53	00.700	1488.8							
	085	00700	06.54	35.030	27.53		1488.8							
	ST0	00800	05.57	34.98	27.61	00.763	1486.5							
	085	00800	05.57	34.980	27.61		1486.5							
	ST0	00900	05.14	34.95	27.64	00.822	1486.4							
	085	00900	05.14	34.946	27.64		1486.4							
	ST0	01000	04.74	34.98	27.71	00.876	1486.5							
	085	01000	04.74	34.978	27.71		1486.5							
	ST0	01100	04.51	34.98	27.73	00.926	1487.2							
	085	01100	04.51	34.976	27.73		1487.2							
	ST0	01200	04.46	34.96	27.73	00.975	1488.6							
	085	01200	04.46	34.964	27.73		1488.6							
	ST0	01300	04.32	34.98	27.76	01.024	1489.7							
	085	01300	04.32	34.981	27.76		1489.7							
	ST0	01400	04.18	34.98	27.78	01.072	1490.8							
	085	01400	04.18	34.983	27.78		1490.8							
	ST0	01500	04.07	34.98	27.78	01.119	1492.0							
	085	01500	04.07	34.976	27.78		1492.0							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April-4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

OFFID	31 8095	YEAR	1969	BOATDP	04755	AIR TEMP	13.3	DIR HGT	PER	WIND-DIR	30	INST STO	RECORDEP	TEN SQ	1306
CONSEC	0031	MDYNT	05	SHIP EM		WET BUR	13.3		30 2 5	WIND-SPD	23	TRACE DIR		5	SQUARE 1
LAT	44 01 N	DAY	01	DATA USE	1	BAROMETP	1023.0	SEA		WIND-FDR		DURATION	00.3	2	SQUARE 40
LONG	041 00 W	HOUR	00.3	AREA	05	CLOUD T/A		CL/TR		WEATHER	X4	ORIG D32	031	1	SQUARE 41

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P74	TDT P	NO2	NO3	S133	P4
00.0	STD	00000	13.35	35.85	26.99	00.000	1503.1							
	08S	00000	13.35	35.847	26.99		1503.1							
	STD	00010	13.35	35.85	26.99	00.010	1503.3							
	08S	00010	13.35	35.847	26.99		1503.3							
	STD	00020	13.35	35.85	26.99	00.021	1503.4							
	08S	00020	13.35	35.847	26.99		1503.4							
	STD	00030	13.34	35.84	26.99	00.032	1503.5							
	08S	00030	13.34	35.838	26.99		1503.5							
	STD	00050	13.30	35.83	26.99	00.054	1503.7							
	08S	00050	13.30	35.833	26.99		1503.7							
	STD	00075	13.29	35.83	26.99	00.081	1504.1							
	08S	00075	13.29	35.828	26.99		1504.1							
	STD	00100	13.27	35.82	26.99	00.108	1504.4							
	08S	00100	13.27	35.819	26.99		1504.4							
	STD	00125	13.25	35.82	26.99	00.136	1504.8							
	08S	00125	13.25	35.819	26.99		1504.8							
	STD	00150	13.19	35.80	26.99	00.164	1505.0							
	08S	00150	13.19	35.800	26.99		1505.0							
	STD	00200	12.97	35.74	26.99	00.220	1505.0							
	08S	00200	12.97	35.741	26.99		1505.0							
	STD	00250	12.55	35.65	27.01	00.277	1504.3							
	08S	00250	12.55	35.652	27.01		1504.3							
	STD	00300	12.02	35.55	27.03	00.333	1503.2							
	08S	00300	12.02	35.553	27.03		1503.2							
	STD	00400	11.13	35.38	27.07	00.443	1501.5							
	08S	00400	11.13	35.384	27.07		1501.5							
	STD	00500	09.81	35.21	27.17	00.549	1498.2							
	08S	00500	09.81	35.211	27.17		1498.2							
	STD	00600	07.63	34.95	27.31	00.644	1491.3							
	08S	00600	07.63	34.948	27.31		1491.3							
	08S	00640	06.83	34.849	27.34		1488.7							
	08S	00680	06.38	34.810	27.37		1487.5							
	STD	00700	06.45	34.96	27.48	00.723	1488.4							
	08S	00700	06.45	34.960	27.48		1488.4							
	08S	00780	05.87	34.952	27.55		1487.4							
	STD	00800	06.09	35.00	27.56	00.791	1488.6							
	08S	00800	06.09	35.002	27.56		1488.6							
	08S	00850	05.40	34.943	27.60		1486.6							
	STD	00900	05.25	34.97	27.65	00.852	1486.9							
	08S	00900	05.25	34.974	27.65		1486.9							
	STD	01000	04.78	34.96	27.69	00.907	1486.6							
	08S	01000	04.78	34.956	27.69		1486.6							
	STD	01100	04.46	34.94	27.71	00.959	1486.9							
	08S	01100	04.46	34.942	27.71		1486.9							
	STD	01200	04.26	34.94	27.73	01.009	1487.8							
	08S	01200	04.26	34.939	27.73		1487.8							
	STD	01300	04.06	34.92	27.74	01.058	1488.6							
	08S	01300	04.06	34.921	27.74		1488.6							
	STD	01400	03.91	34.92	27.76	01.107	1489.6							
	08S	01400	03.91	34.923	27.76		1489.6							
	STD	01500	03.87	34.92	27.76	01.155	1491.1							
	08S	01500	03.87	34.925	27.76		1491.1							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April-4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095	YEAR 1969	BOTOP 04755	AIP TEMP 12.2	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN 50 1376
CONSEC 0032	MONTH 05	SHIP EN	WET BULB 10.6	31 2 3	WIND-SPO 19	TRACE DIP 0	9 SQUARE 1
LAT 43 52 N	DAY 01	DATA USE 1	BAROMETR 1019.0	SEA	WIND-FJR	DURATION 00.3	2 SQUARE 20
LONG 041 00 W	HOOR 06.0	AREA 05	CLOUD 7/4	CL/TR	WEATHER X2	ORIG 032 332	1 SQUARE 31

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	STCMA-T	SYNDPTH	SND VEL	OXYG	P14	TOT P	NO2	NO3	ST33	PH
06.0	STD	00000	13.78	35.92	26.96	00.000	1504.6							
	085	00000	13.78	35.916	26.96		1504.6							
	STD	00010	13.79	35.92	26.96	00.011	1504.8							
	085	00010	13.79	35.916	26.96		1504.8							
	STD	00020	13.79	35.92	26.96	00.022	1505.0							
	085	00020	13.79	35.916	26.96		1505.0							
	STD	00030	13.79	35.92	26.96	00.033	1505.1							
	085	00030	13.79	35.916	26.96		1505.1							
	STD	00050	13.79	35.92	26.96	00.059	1505.5							
	085	00050	13.79	35.917	26.96		1505.5							
	STD	00075	13.79	35.92	26.96	00.083	1505.9							
	085	00075	13.79	35.917	26.96		1505.9							
	STD	00100	13.79	35.92	26.96	00.112	1506.3							
	085	00100	13.79	35.918	26.96		1506.3							
	STD	00125	13.80	35.92	26.96	00.140	1506.7							
	085	00125	13.80	35.918	26.96		1506.7							
	STD	00150	13.80	35.91	26.95	00.169	1507.1							
	085	00150	13.80	35.914	26.95		1507.1							
	STD	00200	13.78	35.90	26.95	00.227	1507.9							
	085	00200	13.78	35.900	26.95		1507.9							
	STD	00220	13.52	35.850	26.96		1507.3							
	085	00220	13.62	35.86	26.95	00.286	1508.1							
	STD	00250	13.62	35.861	26.95		1508.1							
	085	00250	13.62	35.861	26.95		1508.1							
	STD	00300	13.17	35.75	26.96	00.346	1507.3							
	085	00300	13.17	35.752	26.96		1507.3							
	STD	00400	11.91	35.33	27.04	00.462	1504.4							
	085	00400	11.91	35.334	27.04		1504.4							
	STD	00500	09.92	35.22	27.13	00.570	1498.6							
	085	00500	09.92	35.216	27.13		1498.6							
	STD	00600	08.28	35.07	27.30	00.666	1493.9							
	085	00600	08.28	35.068	27.30		1493.9							
	STD	00700	06.55	34.99	27.49	00.746	1488.8							
	085	00700	06.55	34.990	27.49		1488.8							
	STD	00710	06.33	34.960	27.50		1488.0							
	085	00730	06.42	35.018	27.53		1488.8							
	STD	00800	05.52	34.94	27.59	00.812	1486.3							
	085	00800	05.52	34.942	27.59		1486.3							
	STD	00900	05.16	34.96	27.65	00.871	1486.5							
	085	00900	05.16	34.963	27.65		1486.5							
	STD	00909	05.10	34.954	27.65		1486.4							
	085	00940	05.24	35.004	27.67		1487.5							
	STD	01000	04.80	34.96	27.69	00.925	1486.7							
	085	01000	04.80	34.965	27.69		1486.7							
	STD	01100	04.53	34.96	27.72	00.977	1487.2							
	085	01100	04.53	34.957	27.72		1487.2							
	STD	01200	04.31	34.94	27.75	01.027	1488.0							
	085	01200	04.31	34.939	27.75		1488.0							
	STD	01300	04.09	34.94	27.75	01.076	1488.7							
	085	01300	04.09	34.936	27.75		1488.7							
	STD	01400	03.94	34.92	27.75	01.125	1489.7							
	085	01400	03.94	34.923	27.75		1489.7							
	STD	01500	03.84	34.92	27.76	01.173	1491.0							
	085	01500	03.84	34.925	27.76		1491.0							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095 YEAR 1969 BOTOP 04755 AIP TEMP 12.5 OIP HGT PER WIND-DIR 33 INST STD RECORDER TEN SQ 1376
 CNSEC 0033 MONTH 05 SHIP EN WET BULB 10.0 33 2 3 WIND-SPD 12 TRACE DIR 3 5 SQUARE 1
 LAT 44 00 N DAY 01 DATA USE 1 BAROMETR 1023.0 SEA WIND-FDP OJRATION 0.2 2 SQUARE 47
 LONG 041 00 W HOUR 12.2 AREA 15 CLCUO T/A CL/TR WEATHER X1 ORIG 032 033 1 SQUARE 41

CASNUM/TIME	LVL/TP	DEPTH	TEMP	SAL	STMA-T	DYNDPTH	SNO VFL	DXYG	P34	TOT P	NO2	NO3	S133	P4
12.0	STO	00000	13.88	35.91	26.93	00.000	1504.9							
	OBS	00000	13.88	35.911	26.93		1504.9							
	STO	00010	13.84	35.92	26.95	00.011	1505.0							
	OBS	00010	13.84	35.919	26.95		1505.0							
	STO	00020	13.84	35.92	26.95	00.022	1505.1							
	OBS	00020	13.84	35.920	26.95		1505.1							
	STO	00030	13.84	35.92	26.95	00.033	1505.3							
	OBS	00030	13.84	35.920	26.95		1505.3							
	STO	00050	13.84	35.92	26.95	00.056	1505.6							
	OBS	00050	13.84	35.916	26.95		1505.6							
	STO	00075	13.84	35.92	26.95	00.084	1506.0							
	OBS	00075	13.84	35.917	26.95		1506.0							
	STO	00100	13.85	35.92	26.94	00.113	1506.5							
	OBS	00100	13.85	35.916	26.94		1506.5							
	STO	00125	13.85	35.92	26.94	00.142	1506.9							
	OBS	00125	13.85	35.916	26.94		1506.9							
	STO	00150	13.85	35.91	26.94	00.171	1507.3							
	OBS	00150	13.85	35.914	26.94		1507.3							
	STO	00200	13.79	35.89	26.94	00.229	1507.9							
	OBS	00200	13.79	35.893	26.94		1507.9							
	STO	00250	13.25	35.76	26.95	00.289	1506.8							
	OBS	00250	13.25	35.764	26.95		1506.8							
	STO	00300	13.07	35.73	26.96	00.348	1506.9							
	OBS	00300	13.07	35.732	26.96		1506.9							
	STO	00400	11.84	35.50	27.03	00.464	1504.1							
	OBS	00400	11.84	35.503	27.03		1504.1							
	STO	00500	10.16	35.24	27.13	00.574	1499.5							
	OBS	00500	10.16	35.240	27.13		1499.5							
	STO	00600	08.09	35.04	27.31	00.671	1493.2							
	OBS	00600	08.09	35.044	27.31		1493.2							
	STO	00700	06.64	34.94	27.44	00.752	1489.1							
	OBS	00700	06.64	34.939	27.44		1489.1							
	STO	00750	06.00	34.932	27.52		1487.4							
	OBS	00750	06.00	34.93	27.56	00.823	1488.3							
	STO	00800	06.00	34.983	27.56		1488.3							
	OBS	00800	06.00	34.983	27.56		1487.8							
	STO	00805	05.88	34.961	27.56		1487.2							
	OBS	00815	06.14	35.061	27.60	00.883	1487.2							
	STO	00900	05.33	34.98	27.65		1487.2							
	OBS	00900	05.33	34.985	27.65		1487.2							
	STO	01000	04.82	34.94	27.67	00.939	1486.7							
	OBS	01000	04.82	34.945	27.67		1486.7							
	STO	01100	04.44	34.94	27.72	00.991	1486.8							
	OBS	01100	04.44	34.944	27.72		1486.8							
	STO	01200	04.22	34.93	27.73	01.041	1487.6							
	OBS	01200	04.22	34.933	27.73		1487.6							
	STO	01300	04.00	34.92	27.74	01.090	1488.3							
	OBS	01300	04.00	34.919	27.74		1488.3							
	STO	01400	03.96	34.92	27.75	01.139	1489.8							
	OBS	01400	03.96	34.925	27.75		1489.8							
	STO	01500	03.93	34.94	27.76	01.187	1491.4							
	OBS	01500	03.93	34.936	27.76		1491.4							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095 YEAR 1969 BOTOP 04755 AIP TEMP 13.3 DIR HGT PER WIND-DIR 33 INST STD RECORDER TEN SQ 1306
 CONSEC 0034 MONT 05 SHIP EN WET BULB 11.1 33 1 2 WIND-SPD 13 TRACE DIR 5 5 SQUARE 1
 LAT 44 00 N DAY 01 DATA USE 1 BAROMETR 1023.0 SEA WIND-FDP DURATON 00.3 2 SQUARE 40
 LONG 041 16 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIS 032 034 1 SQUARE 41

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	XYG	P34	TOT P	NO2	NO3	S133	PH
18.0	ST0	00000	13.91	35.91	26.93	00.000	1505.0							
	OBS	00000	13.91	35.911	26.93		1505.0							
	ST0	00010	13.87	35.89	26.92	00.011	1505.0							
	OBS	00010	13.87	35.886	26.92		1505.0							
	ST0	00020	13.70	35.89	26.96	00.022	1504.6							
	OBS	00020	13.70	35.891	26.96		1504.6							
	ST0	00030	13.69	35.89	26.96	00.033	1504.8							
	OBS	00030	13.69	35.890	26.96		1504.8							
	ST0	00050	13.67	35.89	26.96	00.056	1505.0							
	OBS	00050	13.67	35.887	26.96		1505.0							
	ST0	00075	13.67	35.89	26.96	00.084	1505.4							
	OBS	00075	13.67	35.886	26.96		1505.4							
	ST0	00100	13.67	35.88	26.96	00.112	1505.8							
	OBS	00100	13.67	35.885	26.96		1505.8							
	ST0	00125	13.67	35.88	26.96	00.141	1506.2							
	OBS	00125	13.67	35.884	26.96		1506.2							
	ST0	00150	13.67	35.88	26.96	00.169	1506.7							
	OBS	00150	13.67	35.882	26.96		1506.7							
	OBS	00165	13.66	35.878	26.95		1506.9							
	ST0	00200	12.95	35.70	26.97	00.227	1504.9							
	OBS	00200	12.95	35.705	26.97		1504.9							
	OBS	00215	13.16	35.760	26.97		1505.9							
	ST0	00250	12.87	35.69	26.97	00.285	1505.4							
	OBS	00250	12.87	35.689	26.97		1505.4							
	ST0	00300	12.50	35.63	27.00	00.343	1504.9							
	OBS	00300	12.50	35.630	27.00		1504.9							
	ST0	00400	11.62	35.48	27.05	00.456	1503.3							
	OBS	00400	11.62	35.478	27.05		1503.3							
	ST0	00500	10.13	35.25	27.15	00.564	1499.4							
	OBS	00500	10.13	35.254	27.15		1499.4							
	ST0	00600	08.12	35.06	27.32	00.660	1493.3							
	OBS	00600	08.12	35.058	27.32		1493.3							
	ST0	00700	06.74	34.96	27.44	00.741	1489.5							
	OBS	00700	06.74	34.959	27.44		1489.5							
	ST0	00800	05.54	34.93	27.58	00.810	1486.3							
	OBS	00800	05.54	34.934	27.58		1486.3							
	OBS	00850	05.28	34.997	27.66		1486.2							
	ST0	00900	05.28	35.00	27.66	00.869	1487.0							
	OBS	00900	05.28	34.998	27.66		1487.0							
	OBS	00945	05.31	35.024	27.68		1487.9							
	ST0	01000	04.93	34.99	27.69	00.923	1487.2							
	OBS	01000	04.93	34.986	27.69		1487.2							
	ST0	01100	04.45	34.94	27.71	00.974	1486.9							
	OBS	01100	04.45	34.944	27.71		1486.9							
	ST0	01200	04.21	34.94	27.73	01.024	1487.5							
	OBS	01200	04.21	34.936	27.73		1487.5							
	ST0	01300	04.08	34.93	27.75	01.073	1488.7							
	OBS	01300	04.08	34.932	27.75		1488.7							
	ST0	01400	03.97	34.93	27.76	01.122	1489.9							
	OBS	01400	03.97	34.931	27.76		1489.9							
	ST0	01500	03.86	34.93	27.77	01.169	1491.1							
	OBS	01500	03.86	34.930	27.77		1491.1							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095 YEAR 1969 BOTOP 04755 AIP TEMP 11.7 DIR HGT PER WIND-DIR 32 INST STO RECORDER TEN SQ 1306
 CONSEC 0035 MONT 05 SHIP EN WET BULB 09.4 32 1 2 WIND-SPO 11 TRACE DIR 0 5 SQUARE 1
 LAT 44 00 N DAY 02 DATA USE 1 BARDMETP 1023.0 5EA WIND-FJR DURATION 09.3 2 SQUARE 40
 LONG 040 46 W HOUR 00.0 AREA 05 CLOUD T/A CL/TP WEATHER XL ORIG 032 035 1 SQUARE 40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	500 VEL	OXYG	P34	TOT P	NO2	NO3	S133	P4
00.0	STO	00000	13.87	35.92	26.94	00.000	1504.9							
	DBS	00000	13.87	35.916	26.94		1504.9							
	STO	00010	13.87	35.92	26.94	00.011	1505.1							
	DBS	00010	13.87	35.916	26.94		1505.1							
	STO	00020	13.87	35.92	26.94	00.022	1505.2							
	DBS	00020	13.87	35.916	26.94		1505.2							
	STO	00030	13.87	35.92	26.94	00.033	1505.4							
	DBS	00030	13.87	35.916	26.94		1505.4							
	STO	00050	13.84	35.92	26.95	00.056	1505.6							
	DBS	00050	13.84	35.917	26.95		1505.6							
	STO	00075	13.84	35.92	26.95	00.084	1506.0							
	DBS	00075	13.84	35.917	26.95		1506.0							
	STO	00100	13.84	35.92	26.95	00.113	1506.4							
	DBS	00100	13.84	35.918	26.95		1506.4							
	STO	00125	13.84	35.91	26.94	00.142	1506.8							
	DBS	00125	13.84	35.913	26.94		1506.8							
	STO	00150	13.83	35.91	26.94	00.171	1507.2							
	DBS	00150	13.83	35.909	26.94		1507.2							
	STO	00190	13.84	35.908	26.94		1507.9							
	DBS	00190	13.84	35.908	26.94		1507.9							
	STO	00200	13.67	35.87	26.95	00.229	1507.5							
	DBS	00200	13.67	35.870	26.95		1507.5							
	STO	00250	13.43	35.80	26.94	00.289	1507.4							
	DBS	00250	13.43	35.801	26.94		1507.4							
	STO	00300	13.28	35.78	26.96	00.348	1507.7							
	DBS	00300	13.28	35.782	26.96		1507.7							
	STO	00400	12.03	35.52	27.01	00.466	1504.8							
	DBS	00400	12.03	35.523	27.01		1504.8							
	STO	00500	10.15	35.23	27.13	00.577	1499.4							
	DBS	00500	10.15	35.235	27.13		1499.4							
	STO	00600	08.78	35.09	27.24	00.677	1495.9							
	DBS	00600	08.78	35.087	27.24		1495.9							
	STO	00700	06.68	35.00	27.48	00.761	1489.3							
	DBS	00700	06.68	34.999	27.48		1489.3							
	STO	00720	06.74	35.029	27.50		1489.9							
	DBS	00720	06.74	35.029	27.50		1489.9							
	STO	00800	06.00	34.99	27.57	00.829	1488.3							
	DBS	00800	06.00	34.991	27.57		1488.3							
	STO	00900	05.26	34.98	27.65	00.889	1486.9							
	DBS	00900	05.26	34.978	27.65		1486.9							
	STO	01000	04.86	34.97	27.69	00.944	1486.9							
	DBS	01000	04.86	34.970	27.69		1486.9							
	STO	01100	04.68	34.98	27.71	00.996	1487.9							
	DBS	01100	04.68	34.976	27.71		1487.9							
	STO	01200	04.50	34.97	27.73	01.047	1488.8							
	DBS	01200	04.50	34.968	27.73		1488.8							
	STO	01300	04.12	34.94	27.75	01.096	1488.8							
	DBS	01300	04.12	34.940	27.75		1488.8							
	STO	01400	03.99	34.93	27.75	01.145	1490.0							
	DBS	01400	03.99	34.932	27.75		1490.0							
	STO	01500	03.87	34.92	27.76	01.193	1491.1							
	DBS	01500	03.87	34.924	27.76		1491.1							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095	YEAR 1969	BDTOP 04755	AIR TEMP 13.3	DIP HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1306
CONSEC 0036	MOYNT 05	SHIP EN	WET BULB 11.1	31 1 2	WIND-SPD 13	TRACE DIR 0	5 SQUARE 1
LAT 43 57 N	DAY 02	DATA USE 1	BAROMETR 1026.0	SEA	WIND-FJR	DURATION 05.3	2 SQUARE 20
LONG 041 00 W	HOUP 06.0	AREA 05	CLOUD T/A	CL/TP	WEATHER X1	DRIG 032 036	1 SQUARE 31

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P24	TOT P	NO2	NO3	S133	P4
06.0	STD	00000	13.83	35.92	26.95	00.000	1504.8							
	08S	00000	13.83	35.916	26.95		1504.8							
	STD	00010	13.83	35.92	26.95	00.011	1504.9							
	08S	00010	13.83	35.916	26.95		1504.9							
	STD	00020	13.83	35.92	26.95	00.022	1505.1							
	08S	00020	13.83	35.916	26.95		1505.1							
	STD	00030	13.83	35.92	26.95	00.033	1505.3							
	08S	00030	13.83	35.916	26.95		1505.3							
	STD	00050	13.83	35.92	26.95	00.056	1505.6							
	08S	00050	13.83	35.917	26.95		1505.6							
	STD	00075	13.83	35.92	26.95	00.084	1506.0							
	08S	00075	13.83	35.917	26.95		1506.0							
	STD	00100	13.83	35.92	26.95	00.113	1506.4							
	08S	00100	13.83	35.918	26.95		1506.4							
	STD	00125	13.80	35.91	26.95	00.141	1506.7							
	08S	00125	13.80	35.908	26.95		1506.7							
	STD	00150	13.76	35.90	26.95	00.170	1507.0							
	08S	00150	13.76	35.899	26.95		1507.0							
	STD	00200	13.68	35.88	26.95	00.228	1507.5							
	08S	00200	13.68	35.880	26.95		1507.5							
	STD	00235	13.67	35.878	26.95		1508.0							
	08S	00235	13.67	35.878	26.95		1508.0							
	STD	00250	13.44	35.82	26.96	00.287	1507.5							
	08S	00250	13.44	35.821	26.96		1507.5							
	STD	00300	12.77	35.66	26.97	00.346	1505.8							
	08S	00300	12.77	35.662	26.97		1505.8							
	STD	00400	11.86	35.51	27.03	00.462	1504.2							
	08S	00400	11.86	35.513	27.03		1504.2							
	STD	00500	09.48	35.13	27.16	00.570	1496.9							
	08S	00500	09.48	35.135	27.16		1496.9							
	STD	00600	08.13	35.06	27.32	00.664	1493.4							
	08S	00600	08.13	35.057	27.32		1493.4							
	STD	00700	06.58	34.96	27.46	00.745	1488.9							
	08S	00700	06.58	34.959	27.46		1488.9							
	STD	00800	05.53	34.94	27.58	00.812	1486.3							
	08S	00800	05.53	34.936	27.58		1486.3							
	STD	00900	05.15	34.97	27.66	00.871	1486.5							
	08S	00900	05.15	34.973	27.66		1486.5							
	STD	01000	04.72	34.96	27.70	00.924	1486.4							
	08S	01000	04.72	34.965	27.70		1486.4							
	STD	01100	04.45	34.95	27.72	00.975	1486.9							
	08S	01100	04.45	34.946	27.72		1486.9							
	STD	01200	04.22	34.94	27.74	01.025	1487.6							
	08S	01200	04.22	34.938	27.74		1487.6							
	STD	01300	04.06	34.93	27.75	01.074	1488.6							
	08S	01300	04.06	34.930	27.75		1488.6							
	STD	01400	03.98	34.93	27.76	01.122	1489.9							
	08S	01400	03.98	34.932	27.76		1489.9							
	STD	01500	03.87	34.93	27.77	01.170	1491.2							
	08S	01500	03.87	34.934	27.77		1491.2							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095	YEAR 1969	BOTOP 04755	AIR TEMP 13.9	DIP HGT PER	WIND-DIP 13	INST STD RECORDER	TEN SQ 1306
CONSEC 0037	MONTH 05	SHIP EN	WET BULB 12.8	18 1 2	WIND-SPO 11	TRACE DIP 0	5 SQUARE 1
LAT 43 57 N	DAY 02	DATA USE 1	BAROMETR 1019.0	SEA	WIND-FIR	DURATION 00.2	2 SQUARE 20
LONG 041 00 W	MOJR 12.0	AREA 05	CLOUD T/4	CL/TR	WEATHER X2	OPS 032 037	1 SQUARE 31

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	S133	P4
12.C	ST0	00000	13.95	35.93	26.94	00.000	1505.2							
	085	00000	13.95	35.933	26.94		1505.2							
	ST0	00010	13.94	35.93	26.94	00.011	1505.3							
	085	00010	13.94	35.930	26.94		1505.3							
	ST0	00020	13.91	35.93	26.94	00.022	1505.4							
	085	00020	13.91	35.928	26.94		1505.4							
	ST0	00030	13.88	35.93	26.95	00.033	1505.4							
	085	00030	13.88	35.926	26.95		1505.4							
	ST0	00050	13.87	35.92	26.94	00.056	1505.7							
	085	00050	13.87	35.922	26.94		1505.7							
	ST0	00075	13.87	35.92	26.95	00.084	1506.1							
	085	00075	13.87	35.925	26.95		1506.1							
	ST0	00100	13.86	35.92	26.95	00.113	1506.5							
	085	00100	13.86	35.924	26.95		1506.5							
	ST0	00125	13.84	35.91	26.94	00.142	1506.8							
	085	00125	13.84	35.914	26.94		1506.8							
	ST0	00150	13.79	35.91	26.95	00.171	1507.1							
	085	00150	13.79	35.907	26.95		1507.1							
	ST0	00200	13.74	35.90	26.95	00.229	1507.7							
	085	00200	13.74	35.899	26.95		1507.7							
	ST0	00250	13.67	35.88	26.95	00.288	1508.3							
	085	00250	13.67	35.878	26.95		1508.3							
	ST0	00300	13.11	35.74	26.96	00.347	1507.1							
	085	00300	13.11	35.742	26.96		1507.1							
	ST0	00400	11.83	35.50	27.03	00.463	1504.1							
	085	00400	11.83	35.500	27.03		1504.1							
	ST0	00500	10.18	35.25	27.14	00.573	1499.6							
	085	00500	10.18	35.255	27.14		1499.6							
	ST0	00600	08.25	35.08	27.32	00.669	1493.8							
	085	00600	08.25	35.077	27.32		1493.8							
	ST0	00700	07.07	35.04	27.46	00.750	1490.9							
	085	00700	07.07	35.045	27.46		1490.9							
	ST0	00800	05.64	34.93	27.57	00.819	1486.7							
	085	00800	05.64	34.933	27.57		1486.7							
	ST0	00900	05.16	34.97	27.65	00.879	1486.5							
	085	00900	05.16	34.967	27.65		1486.5							
	ST0	01000	04.78	34.96	27.69	00.933	1486.6							
	085	01000	04.78	34.965	27.69		1486.6							
	ST0	01100	04.43	34.95	27.72	00.984	1486.8							
	085	01100	04.43	34.952	27.72		1486.8							
	ST0	01200	04.18	34.94	27.74	01.033	1487.4							
	085	01200	04.18	34.936	27.74		1487.4							
	ST0	01300	04.06	34.93	27.75	01.082	1488.6							
	085	01300	04.06	34.933	27.75		1488.6							
	ST0	01400	03.91	34.93	27.76	01.129	1489.6							
	085	01400	03.91	34.929	27.76		1489.6							
	ST0	01500	03.84	34.93	27.77	01.177	1491.0							
	085	01500	03.84	34.929	27.77		1491.0							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID	31	8095	YEAR	1969	BOTOP	C4755	AIR TEMP	13.9	OIP HGT	PER	WIND-OIR	17	INST STD RECORDER	TEN SQ	1306			
CONSEC		0038	MONTH	05	SHIP EN		WET BULB	12.2		17	1	2	TRACE OIR	0	5	SQUARE	1	
LAT	43	59	N	DAY	02	DATA USE	1	BAROMETR	1019.0	SEA			OPERATION	03.3	2	SQUARE	2	
LONG	040	55	W	HOUR	18.2	AREA	05	CLOUD T/A		CL/TR			DRIS	032	038	1	SOJARE	30

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-t	QYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	P4
18.2	STD	00000	14.20	35.92	26.87	00.000	1506.0							
	OBS	00000	14.20	35.916	26.87		1506.0							
	STD	00010	13.99	35.92	26.91	00.011	1505.4							
	OBS	00010	13.99	35.916	26.91		1505.4							
	STD	00020	13.95	35.92	26.92	00.023	1505.5							
	OBS	00020	13.95	35.917	26.92		1505.5							
	STD	00030	13.90	35.91	26.93	00.034	1505.5							
	OBS	00030	13.90	35.912	26.93		1505.5							
	STD	00050	13.83	35.91	26.95	00.057	1505.6							
	OBS	00050	13.83	35.912	26.95		1505.6							
	STD	00075	13.79	35.91	26.95	00.085	1505.8							
	OBS	00075	13.79	35.907	26.95		1505.8							
	STD	00100	13.79	35.91	26.95	00.114	1506.3							
	OBS	00100	13.79	35.909	26.95		1506.3							
	STD	00125	13.77	35.91	26.95	00.142	1506.6							
	OBS	00125	13.77	35.907	26.95		1506.6							
	STD	00150	13.78	35.90	26.95	00.171	1507.0							
	OBS	00150	13.78	35.902	26.95		1507.0							
	STD	00200	13.73	35.88	26.95	00.230	1507.7							
	OBS	00200	13.73	35.885	26.95		1507.7							
	STD	00250	13.64	35.86	26.95	00.289	1508.2							
	OBS	00250	13.64	35.864	26.95		1508.2							
	STD	00300	13.12	35.73	26.95	00.348	1507.1							
	OBS	00300	13.12	35.732	26.95		1507.1							
	STD	00400	11.96	35.52	27.02	00.466	1504.6							
	OBS	00400	11.96	35.523	27.02		1504.6							
	STD	00500	10.23	35.26	27.13	00.576	1499.8							
	OBS	00500	10.23	35.258	27.13		1499.8							
	STD	00600	08.33	35.08	27.30	00.673	1494.1							
	OBS	00600	08.33	35.077	27.30		1494.1							
	STD	00700	06.50	34.96	27.48	00.754	1488.6							
	OBS	00700	06.50	34.961	27.48		1488.6							
	STD	00800	06.03	35.01	27.58	00.821	1488.4							
	OBS	00800	06.03	35.011	27.58		1488.4							
	STD	00900	05.34	34.99	27.65	00.881	1487.3							
	OBS	00900	05.34	34.993	27.65		1487.3							
	STD	01000	04.87	34.96	27.68	00.936	1487.0							
	OBS	01000	04.87	34.965	27.68		1487.0							
	STD	01100	04.45	34.95	27.72	00.988	1486.9							
	OBS	01100	04.45	34.948	27.72		1486.9							
	STD	01200	04.27	34.94	27.73	01.038	1487.8							
	OBS	01200	04.27	34.943	27.73		1487.8							
	STD	01300	04.12	34.94	27.75	01.087	1488.8							
	OBS	01300	04.12	34.940	27.75		1488.8							
	STD	01400	03.94	34.93	27.76	01.135	1489.8							
	OBS	01400	03.94	34.927	27.76		1489.8							
	STD	01500	03.86	34.93	27.77	01.183	1491.1							
	OBS	01500	03.86	34.932	27.77		1491.1							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8995 YEAR 1969 BDTOP 04755 AIR TEMP 15.0 OIP HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1356
 CDNSC 0039 MONT 05 SHIP EN WET BULB 14.4 WIND-SPO 23 TRACE OIP 3 5 SQUARE 1
 LAT 44 03 N DAY 03 DATA USE 1 BAROMETR IC 16.0 SEA CL/TP WEATHFR X2 WIND-FDP DURATION 00.3 2 SQUARE 40
 LONG 040 53 W HOUR 00.1 AREA 05 CLOUD T/A CL/TP WEATHFR X2 ORIG 032 039 1 SQUARE 40

CSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	STGMA-T	DYNPTH	SND VEL	DRYG	P04	TOT P	ND2	ND3	S133	P4
00.1	STO	00000	13.92	35.92	25.93	00.000	1505.1							
	D85	00000	13.92	35.916	25.93		1505.1							
	STO	00010	13.89	35.92	26.94	00.011	1505.1							
	D85	00010	13.89	35.916	25.94		1505.1							
	STO	00020	13.87	35.92	26.94	00.022	1505.2							
	D85	00020	13.87	35.916	26.94		1505.2							
	STO	00030	13.80	35.92	26.95	00.033	1505.2							
	D85	00030	13.80	35.916	25.95		1505.2							
	STO	00050	13.67	35.88	25.95	00.056	1505.0							
	D85	00050	13.67	35.877	26.95		1505.0							
	STO	00075	13.40	35.83	26.97	00.084	1504.5							
	D85	00075	13.40	35.827	26.97		1504.5							
	STO	00100	13.44	35.85	26.98	00.112	1505.0							
	D85	00100	13.44	35.848	25.98		1505.0							
	STO	00125	13.47	35.85	26.97	00.140	1505.5							
	D85	00125	13.47	35.848	26.97		1505.5							
	STO	00150	13.55	35.87	26.97	00.168	1506.2							
	D85	00150	13.55	35.874	26.97		1506.2							
	STO	00200	13.55	35.87	26.97	00.225	1507.1							
	D85	00200	13.55	35.870	26.97		1507.1							
	STO	00250	13.50	35.86	26.97	00.283	1507.7							
	D85	00250	13.50	35.861	25.97		1507.7							
	STO	00300	13.47	35.857	26.98		1507.9							
	D85	00300	13.30	35.81	26.98	00.342	1507.8							
	STO	00300	13.30	35.808	26.98		1507.8							
	D85	00365	11.89	35.523	27.03		1503.7							
	STO	00400	11.58	35.47	27.06	00.456	1503.2							
	D85	00400	11.58	35.474	27.06		1503.2							
	STO	00500	09.78	35.19	27.16	00.563	1498.0							
	D85	00500	09.78	35.195	27.16		1498.0							
	STO	00600	08.16	35.04	27.30	00.659	1493.5							
	D85	00600	08.16	35.037	27.30		1493.5							
	STO	00700	06.56	34.96	27.47	00.740	1488.8							
	D85	00700	06.56	34.959	27.47		1488.8							
	STO	00760	05.73	34.900	27.53		1486.4							
	D85	00770	05.85	34.961	27.56		1487.1							
	STO	00800	05.80	34.97	27.58	00.808	1487.4							
	D85	00800	05.80	34.971	27.58		1487.4							
	STO	00900	05.20	34.98	27.66	00.867	1486.7							
	D85	00900	05.20	34.983	27.66		1486.7							
	STO	00950	04.91	34.954	27.67		1486.3							
	D85	00968	05.01	34.986	27.68		1487.0							
	STO	01000	04.78	34.97	27.70	00.921	1486.6							
	D85	01000	04.78	34.975	27.70		1486.6							
	STO	01020	04.94	35.008	27.71		1487.6							
	D85	01020	04.94	34.978	27.72		1487.2							
	STO	01100	04.80	35.01	27.73	00.972	1488.4							
	D85	01100	04.80	35.012	27.73		1488.4							
	STO	01110	04.52	34.971	27.73		1487.4							
	D85	01110	04.66	35.005	27.74		1488.2							
	STO	01125	04.41	34.965	27.74		1488.1							
	D85	01180	04.41	34.965	27.74		1488.1							
	STO	01200	04.54	35.00	27.75	01.021	1489.0							
	D85	01200	04.54	34.998	27.75		1489.0							
	STO	01280	04.26	34.970	27.76		1489.1							
	D85	01300	04.06	34.94	27.75	01.060	1488.6							
	STO	01300	04.06	34.940	27.75		1488.6							
	D85	01400	03.93	34.93	27.76	01.117	1489.7							
	STO	01400	03.93	34.932	27.76		1489.7							
	D85	01500	03.86	34.93	27.77	01.165	1491.1							
	STO	01500	03.863	34.934	27.77		1491.1							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REF ID	31	8095	YEAR	1969	BOTDP	04755	AIR TEMP	14.4	OIR HGT	PE ¹²	WIND-DIR	13	INST STO	RECORDED	TEN SQ	1336		
CONSEC		0040	MONTH	04	SHIP EN		WET BULB	14.4	19	3	3	WIND-SPO	26	TRACE OIR	0	5	SQUARE	1
LAT	44	09	N	03	DATA USE	1	BAROMETR	1009.0	SEA			WIND-FOR		DURATION	00.3	2	SQUARE	40
LONG	040	44	W	06.2	AREA	05	CLOUD T/A		CL/TR		WEATHER	X5	ORIG D32	040	1	SQUARE	40	

CASSTNUM/TIME	LVLTY ²	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	CHYG	PJ4	TOT P	NO2	NO3	S133	PM
06.0	STO	00300	13.54	35.85	26.95	00.000	1503.7							
	OBS	00000	13.54	35.846	26.95		1503.7							
	STO	00010	13.52	35.85	26.96	00.011	1503.8							
	OBS	00010	13.52	35.846	26.96		1503.8							
	STO	00020	13.51	35.85	26.96	00.022	1504.0							
	OBS	00020	13.51	35.846	26.96		1504.0							
	STO	00030	13.49	35.85	26.97	00.033	1504.0							
	OBS	00030	13.49	35.846	26.97		1504.0							
	STO	00050	13.25	35.82	26.99	00.055	1503.5							
	OBS	00050	13.25	35.817	26.99		1503.5							
	STO	00075	13.19	35.81	27.00	00.082	1503.7							
	OBS	00075	13.19	35.807	27.00		1503.7							
	STO	00100	13.16	35.80	27.00	00.109	1504.0							
	OBS	00100	13.16	35.802	27.00		1504.0							
	STO	00125	13.13	35.80	27.00	00.137	1504.4							
	OBS	00125	13.13	35.798	27.00		1504.4							
	STO	00150	13.10	35.79	27.00	00.164	1504.7							
	OBS	00150	13.10	35.791	27.00		1504.7							
	STO	00200	12.98	35.76	27.00	00.220	1505.0							
	OBS	00200	12.98	35.760	27.00		1505.0							
	STO	00250	11.90	35.52	27.03	00.276	1501.9							
	OBS	00250	11.90	35.521	27.03		1501.9							
	STO	00300	11.50	35.46	27.06	00.330	1501.2							
	OBS	00300	11.50	35.462	27.06		1501.2							
	STO	00400	10.33	35.27	27.13	00.436	1498.5							
	OBS	00400	10.33	35.273	27.13		1498.5							
	STO	00500	08.65	35.07	27.25	00.535	1493.7							
	OBS	00500	08.65	35.075	27.25		1493.7							
	STO	00600	07.33	35.00	27.39	00.621	1490.2							
	OBS	00600	07.33	34.997	27.39		1490.2							
	STO	00700	06.14	34.95	27.52	00.695	1487.1							
	OBS	00700	06.14	34.949	27.52		1487.1							
	STO	00720	05.45	34.860	27.53		1486.5							
	OBS	00720	05.45	34.860	27.53		1486.5							
	STO	00740	05.79	34.950	27.56		1486.4							
	OBS	00740	05.79	34.950	27.56		1486.4							
	STO	00800	05.09	34.89	27.60	00.758	1484.4							
	OBS	00800	05.09	34.891	27.60		1484.4							
	STO	00810	05.04	34.893	27.61		1484.4							
	OBS	00810	05.04	34.893	27.61		1484.4							
	STO	00830	05.19	34.944	27.63		1485.4							
	OBS	00830	05.19	34.944	27.63		1485.4							
	STO	00900	04.95	34.95	27.67	00.815	1485.6							
	OBS	00900	04.95	34.953	27.67		1485.6							
	STO	01000	04.74	34.96	27.70	00.868	1486.4							
	OBS	01000	04.74	34.965	27.70		1486.4							
	STO	01100	04.45	34.96	27.72	00.919	1486.9							
	OBS	01100	04.45	34.956	27.72		1486.9							
	STO	01200	04.26	34.95	27.74	00.968	1487.8							
	OBS	01200	04.26	34.948	27.74		1487.8							
	STO	01300	04.12	34.94	27.75	01.017	1488.8							
	OBS	01300	04.12	34.940	27.75		1488.8							
	STO	01400	04.07	34.95	27.76	01.065	1490.3							
	OBS	01400	04.07	34.952	27.76		1490.3							
	STO	01500	03.95	34.94	27.77	01.113	1491.5							
	OBS	01500	03.95	34.944	27.77		1491.5							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April-4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095	YEAR 1969	BOTOP 04755	AIR TEMP 13.3	DIR HGT PER	WIND-DIR 27	INST STD RECORDEP	TEM SQ 1306
CONSEC 0041	MONTH 05	SHIP EN	WET BULR 13.1	24 3 3	WIND-SPD 22	TRACE DIR 0	5 SQU4RE 1
LAT 44 20 N	DAY 03	DATA USE 1	BAROMETR 1002.0	SEA	WIND-FJR	DURATION 00.3	2 SQJ4RE 40
LONG 040 54 W	MOJR 18.0	AREA 05	CLOUD T/4	CL7R	WEATHER X3	ORIG D32 J41	1 SQJARE 40

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI33	PH
18.0	STD	00000	13.91	35.90	26.92	00.000	1505.0							
	OBS	00000	13.91	35.905	26.92		1505.0							
	STD	00010	13.91	35.91	26.92	00.011	1505.2							
	OBS	00010	13.91	35.906	26.92		1505.2							
	STD	00020	13.90	35.91	26.93	00.022	1505.3							
	OBS	00020	13.90	35.906	26.93		1505.3							
	STD	00030	13.89	35.90	26.93	00.034	1505.4							
	OBS	00030	13.89	35.904	26.93		1505.4							
	STD	00050	13.79	35.86	26.91	00.057	1505.4							
	OBS	00050	13.79	35.862	26.91		1505.4							
	STD	00075	13.77	35.86	26.92	00.086	1505.7							
	OBS	00075	13.77	35.862	26.92		1505.7							
	STD	00100	13.76	35.86	26.92	00.115	1506.1							
	OBS	00100	13.76	35.863	26.92		1506.1							
	STD	00125	13.76	35.86	26.92	00.145	1506.5							
	OBS	00125	13.76	35.863	26.92		1506.5							
	STD	00150	13.76	35.86	26.92	00.174	1506.9							
	OBS	00150	13.76	35.859	26.92		1506.9							
	STD	00200	13.73	35.85	26.92	00.234	1507.6							
	OBS	00200	13.73	35.851	26.92		1507.6							
	STD	00250	13.73	35.85	26.92	00.294	1508.4							
	OBS	00250	13.73	35.849	26.92		1508.4							
	STD	00300	13.71	35.84	26.92	00.356	1509.2							
	OBS	00300	13.71	35.845	26.92		1509.2							
	OBS	00320	13.70	35.840	26.92		1509.5							
	STD	00400	11.63	35.45	27.03	00.474	1503.3							
	OBS	00400	11.63	35.453	27.03		1503.3							
	STD	00500	09.85	35.17	27.13	00.583	1498.3							
	OBS	00500	09.85	35.175	27.13		1498.3							
	STD	00600	07.91	35.00	27.31	00.680	1492.4							
	OBS	00600	07.91	34.999	27.31		1492.4							
	STD	00700	06.31	34.94	27.48	00.760	1487.8							
	OBS	00700	06.31	34.936	27.48		1487.8							
	OBS	00760	05.38	34.860	27.54		1484.9							
	OBS	00770	05.68	34.930	27.56		1486.4							
	OBS	00790	05.28	34.866	27.56		1485.0							
	STD	00800	05.44	34.93	27.59	00.826	1485.9							
	OBS	00800	05.44	34.933	27.59		1485.9							
	OBS	00815	05.18	34.893	27.59		1485.1							
	OBS	00840	05.35	34.967	27.63		1486.3							
	STD	00900	05.16	34.97	27.65	00.884	1486.5							
	OBS	00900	05.16	34.969	27.65		1486.5							
	OBS	00990	04.82	34.956	27.68		1486.6							
	STD	01000	04.90	34.97	27.69	00.939	1487.1							
	OBS	01000	04.90	34.975	27.69		1487.1							
	STD	01100	04.54	34.96	27.72	00.990	1487.3							
	OBS	01100	04.54	34.964	27.72		1487.3							
	OBS	01120	04.43	34.948	27.72		1487.1							
	OBS	01160	04.71	35.000	27.73		1489.0							
	STD	01200	04.49	34.97	27.73	01.041	1488.7							
	OBS	01200	04.49	34.967	27.73		1488.7							
	STD	01300	04.15	34.94	27.74	01.090	1489.0							
	OBS	01300	04.15	34.937	27.74		1489.0							
	STD	01400	04.00	34.94	27.76	01.139	1490.0							
	OBS	01400	04.00	34.942	27.76		1490.0							
	STD	01500	03.99	34.96	27.77	01.187	1491.7							
	OBS	01500	03.99	34.956	27.77		1491.7							

TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC ESCA-NABA at Ocean Station DELTA, 11 April–4 May 1969, prepared from NODC listing No. 31-8095 EN.—Continued

REFID 31 8095 YEAR 1969 BDTOP 04755 AIR TEMP 12.8 OIP HGT PER WIND-OIR 25 INST STO RECORDER TEN SQ 1306
 CONSEC 0042 MONTH 05 SHIP EN WET BULR 12.2 27 5 4 WIND-SPO 25 TRACE OIR 0 5 SQUARE 1
 LAT 44 00 N DAY 04 DATA USE 1 BARDMETR 1002.0 SEA WIND-FJR OURATION 00.3 2 SQUARE 40
 LONG 041 00 W HOUR 00.2 AREA 05 CLOUD T/A CL/TP WEATHER X2 DRIG D32 042 1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	TXYG	PJ4	TOT P	NO2	NO3	SIC3	PH
00.2	STD	00000	13.89	35.92	26.94	00.000	1505.0							
	OBS	00000	13.89	35.916	26.94		1505.0							
	STD	00010	13.89	35.92	26.94	00.011	1505.1							
	OBS	00010	13.89	35.916	26.94		1505.1							
	STD	00020	13.89	35.92	26.94	00.022	1505.3							
	OBS	00020	13.89	35.916	26.94		1505.3							
	STD	00030	13.89	35.92	26.94	00.034	1505.4							
	OBS	00030	13.89	35.916	26.94		1505.4							
	STD	00050	13.89	35.92	26.94	00.056	1505.8							
	OBS	00050	13.89	35.917	26.94		1505.8							
	STD	00075	13.89	35.92	26.94	00.085	1506.2							
	OBS	00075	13.89	35.917	26.94		1506.2							
	STD	00100	13.82	35.92	26.95	00.114	1506.4							
	OBS	00100	13.82	35.918	26.95		1506.4							
	STD	00125	13.75	35.89	26.94	00.142	1506.5							
	OBS	00125	13.75	35.888	26.94		1506.5							
	STD	00150	13.67	35.88	26.95	00.171	1506.6							
	OBS	00150	13.67	35.879	26.95		1506.6							
	STD	00200	13.45	35.82	26.95	00.229	1506.7							
	OBS	00200	13.45	35.820	26.95		1506.7							
	OBS	00240	13.18	35.762	26.96		1506.4							
	STD	00250	13.27	35.78	26.96	00.288	1506.8							
	OBS	00250	13.27	35.781	26.96		1506.8							
	OBS	00270	13.30	35.796	26.97		1507.3							
	STD	00300	13.07	35.73	26.96	00.347	1506.9							
	OBS	00300	13.07	35.732	26.96		1506.9							
	STD	00400	11.93	35.53	27.03	00.463	1504.5							
	OBS	00400	11.93	35.533	27.03		1504.5							
	STD	00500	10.43	35.28	27.12	00.573	1500.5							
	OBS	00500	10.43	35.285	27.12		1500.5							
	STD	00500	08.40	35.07	27.29	00.672	1494.4							
	OBS	00600	08.40	35.067	27.29		1494.4							
	STD	00700	06.61	34.95	27.45	00.755	1489.0							
	OBS	00700	06.61	34.949	27.45		1489.0							
	OBS	00730	06.13	34.907	27.48		1487.5							
	OBS	00735	06.32	34.968	27.51		1488.4							
	STD	00800	05.69	34.97	27.59	00.823	1487.0							
	OBS	00800	05.69	34.971	27.59		1487.0							
	STD	00900	05.18	34.96	27.65	00.882	1486.6							
	OBS	00900	05.18	34.963	27.65		1486.6							
	OBS	00914	05.05	34.949	27.65		1486.3							
	OBS	00930	05.33	35.027	27.68		1487.8							
	OBS	00950	05.30	35.024	27.68		1488.0							
	OBS	00960	05.02	34.974	27.67		1486.9							
	STD	01000	04.98	34.99	27.69	00.937	1487.5							
	OBS	01000	04.98	34.995	27.69		1487.5							
	STD	01100	04.48	34.95	27.71	00.988	1487.0							
	OBS	01100	04.48	34.946	27.71		1487.0							
	STD	01200	04.24	34.94	27.73	01.038	1487.7							
	OBS	01200	04.24	34.938	27.73		1487.7							
	STD	01300	04.05	34.94	27.75	01.087	1488.6							
	OBS	01300	04.05	34.940	27.75		1488.6							
	STD	01400	04.06	34.95	27.76	01.135	1490.3							
	OBS	01400	04.06	34.952	27.76		1490.3							
	STD	01500	03.94	34.94	27.77	01.182	1491.5							
	OBS	01500	03.94	34.944	27.77		1491.5							

TABLE XI.—Observed and interpolated oceanographic data for stations taken by USCGC CASTLE ROCK at Ocean Station DELTA, 7 May–27 May 1969, prepared from NODC listing No. 31-1456 CK.

REFID 31 1456	YEAR 1969	BDTOP 04770	AIR TEMP 14.0	DIR HGT PER	WIND-DIR 20	INST NANSEN CAST	TEN SQ 1306
CONSEC C001	MONTH 05	SHIP CK	WET BULB 13.5	19 2 4	WIND-SPD 17	TRACE DIR	5 SQUARE 1
LAT 43 57 N	DAY 07	DATA USE 1	BAROMETR 1003.7	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 041 17.2W	HOUF 14.3	AREA 05	CLOUD T/A 3/2	CL/TR	WEATHER X1	ORIG 033 001	1 SQUARE 31

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
	STD	00000	13.54											
14.3	OBS	00000	13.54											
	STD	00010	13.51											
14.3	OBS	00018	13.49											
	STD	00020	13.48											
	STD	00030	13.46											
14.3	OBS	00038	13.45											
	STD	00050	13.48											
14.3	OBS	00055	13.48											
14.3	OBS	00074	13.45											
	STD	00075	13.45											
	STD	00100	13.47											
14.3	OBS	00111	13.48											
	STD	00125	13.45											
14.3	OBS	00146	13.40											
	STD	00150	13.29											
	STD	00200	12.41											
14.3	OBS	00216	12.33											
	STD	00250	12.93											
14.3	OBS	00286	13.07											
	STD	00300	12.81											
14.3	OBS	00357	11.89											
	STD	00400	11.45											
14.3	OBS	T00427	11.10											
	STD	00500	09.50											
14.3	OBS	00578	08.01											
	STD	00600	07.63											
	STD	00700	06.15											
14.3	OBS	T00719	05.92											
	STD	00800	05.58											
	STD	00900	05.16											
	STD	01000	04.75											
14.3	OBS	T01057	04.51											

REFID 31 1456	YEAR 1969	BDTOP 04572	AIR TEMP 11.0	DIR HGT PER	WIND-DIR 23	INST NANSEN CAST	TEN SQ 1306
CONSEC 0002	MONTH 05	SHIP CK	WET BULB 9.5	26	WIND-SPD 10	TRACE DIR	5 SQUARE 1
LAT 43 57 N	DAY 08	DATA USE 1	BAROMETR 1001.0	SEA 4	WIND-FOR	DURATION	2 SQUARE 20
LONG 041 04 W	HOUF 13.5	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X6	ORIG 033 002	1 SQUARE 31

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
	STD	00000	13.77											
	OBS	00000	13.77											
	STD	00010	13.79											
	STD	00020	13.80											
13.5	OBS	00026	13.80											
	STD	00030	13.79											
	STD	00050	13.76											
13.5	OBS	00052	13.76											
	STD	00075	13.78											
13.5	OBS	00078	13.78											
	STD	00100	13.76											
13.5	OBS	00103	13.76											
	STD	00125	13.75											
	STD	00150	13.74											
13.5	OBS	00156	13.74											
	STD	00200	13.65											
13.5	OBS	T00207	13.62											
	STD	00250	13.39											
	STD	00300	12.91											
13.5	OBS	00309	12.80											
	STD	00400	11.20											
13.5	OBS	T00410	11.02											
	STD	00500	09.41											
13.5	OBS	00509	09.24											
	STD	00600	07.48											
13.5	OBS	T00609	07.34											
	STD	00700	06.55											
	STD	00800	05.84											
13.5	OBS	00811	05.77											
	STD	00900	05.32											
	STD	01000	04.89											
13.5	OBS	T01015	04.83											
13.5	OBS	T01542	03.93											

TABLE XI.—Observed and interpolated oceanographic data for stations taken by USCGC CASTLE ROCK at Ocean Station DELTA, 7 May–27 May 1969, prepared from NODC listing No. 31-1456 CK.—Continued

REFID 31	1456	YEAR 1969	BOTOP 04572	AIR TEMP 16.5	DIR HGT PER 3 5 3	WIND-DIR 36	INST NANSEN CAST	TEN SQ 1306
CONSEC 0003	MONTH 05	SHIP CK	WET BULB 15.0	WIND-SPD 15	TRACE DIR	5 SQUARE 1		
LAT 43 56 N	DAY 11	DATA USE 1	BAROMETP 1024.6	SEA 2	WIND-FOR	DURATION	2 SQUARE 20	
LONG 041 02 W	HOUP 13.4	AREA 05	CLOUD T/A 2/2	CL/TR	WEATHER X1	CRIG 033 003	1 SQUARE 31	

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.4	STD	00000	14.32											
	OBS	00000	14.32											
	STD	00010	14.32											
	STD	00020	14.32											
13.4	OBS	00024	14.32											
	STD	00030	14.32											
	STD	00050	14.32											
13.4	OBS	00050	14.32											
	STD	00075	14.34											
13.4	OBS	00075	14.34											
	STD	00100	14.32											
13.4	OBS	00101	14.32											
	STD	00125	14.29											
	STD	00150	14.25											
13.4	OBS	00150	14.25											
	STD	00200	13.64											
13.4	OBS	00200	13.64											
	STD	00250	13.52											
	STD	00300	13.40											
13.4	OBS	00301	13.40											
	STD	00400	12.02											
13.4	OBS	T00404	11.95											
	STD	00500	09.90											
13.4	OBS	00500	09.90											
13.4	OBS	T00599	07.85											
	STD	00600	07.84											
	STD	00700	06.54											
	STD	00800	05.63											
13.4	OBS	00803	05.61											
	STD	00900	05.29											
	STD	C1000	04.99											
13.4	OBS	T01003	04.98											
13.4	OBS	T01507	03.94											

REFID 31	1456	YEAR 1969	BOTOP 04603	AIR TEMP 14.0	DIR HGT PER 02	WIND-DIR 22	INST NANSEN CAST	TEN SQ 1306
CONSEC 0004	MONTH 05	SHIP CK	WET BULB 12.0	WIND-SPD 07	TRACE DIR	5 SQUARE 1		
LAT 44 14 N	DAY 12	DATA USE 1	BAROMETP 1028.4	SEA 2	WIND-FOR	DURATION	2 SQUARE 40	
LONG 041 14.5 W	HOUP 14.0	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X2	CRIG 033 004	1 SQUARE 41	

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
14.0	STD	00000	13.93											
	OBS	00005	13.93											
	STD	00010	13.92											
	STD	00020	13.89											
	STD	00030	13.86											
14.0	OBS	00030	13.86											
	STD	00050	13.80											
14.0	OBS	00056	13.79											
	STD	00075	13.82											
14.0	OBS	00080	13.82											
	STD	00100	13.79											
14.0	OBS	00106	13.78											
	STD	00125	13.79											
	STD	00150	13.80											
14.0	OBS	00156	13.80											
	STD	00200	13.71											
14.0	OBS	T00206	13.70											
	STD	00250	13.66											
	STD	00300	13.42											
14.0	OBS	00306	13.38											
	STD	00400	12.29											
14.0	OBS	T00410	12.15											
	STD	00500	10.76											
14.0	OBS	00507	10.62											
	STD	00600	08.14											
14.0	OBS	T00606	08.01											
	STD	00700	06.75											
	STD	00800	05.75											
14.0	OBS	00804	05.72											
	STD	00900	05.23											
14.0	OBS	T00997	04.81											
14.0	OBS	T01494	03.98											

TABLE XI.—Observed and interpolated oceanographic data for stations taken by USCGC CASTLE ROCK at Ocean Station DELTA, 7 May-27 May 1969, prepared from NODC listing No. 31-1456 CK.—Continued

REFID 31 1456	YEAR 1969	BOTOP 04663	AIR TEMP 16.5	DIP HGT PER	WIND-DIR 21	INST NANSEN CAST	TEN SQ 1306
CONSEC 0005	MONTH 05	SHIP CK	WET BULB 15.0	02	WIND-SPD 05	TRACE OIR	5 SQUARE 1
LAT 44 03 N	DAY 13	DATA USE 1	BAROMETR 1027.1	SEA 2	WIND-FOR	DURATION	2 SQUARE 40
LONG 040 54 W	MOUR 13.1	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X2	ORIG 033 005	1 SQUARE 40

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00010	15.89											
13.1	OBS	00010	15.89											
	STO	00020	15.88											
	STO	00030	15.87											
13.1	OBS	00035	15.86											
	STO	00050	15.02											
13.1	OBS	00061	14.63											
	STO	00075	14.59											
13.1	OBS	00086	14.49											
	STO	00100	14.22											
13.1	OBS	00112	14.04											
	STO	00125	13.98											
	STO	00150	13.89											
13.1	OBS	00162	13.86											
	STO	00200	13.82											
13.1	OBS	00213	13.81											
	STO	00250	13.77											
	STO	00300	13.72											
13.1	OBS	00315	13.71											
	STO	00400	12.87											
13.1	OBS	00416	12.63											
	STO	00500	10.85											
13.1	OBS	00518	10.49											
	STO	00600	08.90											
13.1	OBS	T00622	08.51											
	STO	00700	07.17											
	STO	00800	05.92											
13.1	OBS	00822	05.71											
	STO	00900	05.40											
	STO	01000	05.04											
13.1	OBS	01025	04.96											
13.1	OBS	T01546	03.95											

REFID 31 1456	YEAR 1969	BOTOP 04600	AIR TEMP 16.0	OIR HGT PER	WIND-DIR 20	INST NANSEN CAST	TEN SQ 1306
CONSEC 0006	MONTH 05	SHIP CK	WET BULB 15.0	23 2 2	WIND-SPD 15	TRACE OIR	5 SQUARE 1
LAT 43 56 N	DAY 14	DATA USE 1	BAROMETR 1024.4	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 040 40 W	MOUR 15.4	AREA 05	CLOUD T/A 7/6	CL/TR	WEATHER X1	ORIG 033 006	1 SQUARE 30

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	15.88											
15.4	OBS	00000	15.88											
	STO	00010	15.38											
	STO	00020	15.00											
15.4	OBS	00028	14.78											
	STO	00030	14.76											
	STO	00050	14.62											
15.4	OBS	00054	14.60											
	STO	00075	14.55											
15.4	OBS	00082	14.48											
	STO	00100	14.14											
15.4	OBS	00109	14.01											
	STO	00125	13.96											
	STO	00150	13.89											
15.4	OBS	00164	13.86											
	STO	00200	13.83											
15.4	OBS	T00220	13.82											
	STO	00250	13.80											
	STO	00300	13.76											
15.4	OBS	00326	13.74											
	STO	00400	13.50											
15.4	OBS	00435	13.07											
	STO	00500	11.52											
15.4	OBS	00543	10.43											
	STO	00600	08.72											
15.4	OBS	00651	07.49											
	STO	00700	06.86											
	STO	00800	05.84											
15.4	OBS	00865	05.37											
	STO	00900	05.28											
	STO	01000	05.05											
15.4	OBS	T01084	04.87											
15.4	OBS	T01573	04.04											

TABLE XI.—Observed and interpolated oceanographic data for stations taken by USCGC CASTLE ROCK at Ocean Station DELTA, 7 May–27 May 1969, prepared from NODC listing No. 31–1456 CK.—Continued

REFID	31	1456	YEAR	1969	BDTDP	04554	AIR TEMP	13.0	DIP HGT PER	WIND-DIR	28	INST NANSEN CAST	TEN SQ	1306	
CONSEC		0007	MONTH	05	SHIP CK		WET BULB	10.5	29	4	3	TRACE DIR	5	SQUARE	1
LAT	44	06	N	DAY	15	DATA USE	1	BAROMETR	1024.4	SEA		DURATION	2	SQUARE	40
LONG	041	12	W	HOUR	13.5	AREA	05	CLOUD T/A	2/2	CL/TR		CRIG D33 C07	1	SQUARE	41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	P04	TOT P	NO2	NO3	SIC3	PH
	STD	00000	14.30											
13.5	OBS	00000	14.30											
	STD	00010	14.29											
	STD	00020	14.27											
13.5	OBS	00022	14.27											
	STD	00030	14.26											
13.5	OBS	00044	14.22											
	STD	00050	14.18											
13.5	OBS	00067	14.07											
	STD	00075	14.00											
13.5	OBS	00089	13.90											
	STD	00100	13.88											
	STD	00125	13.85											
	STD	00150	13.83											
13.5	OBS	00150	13.83											
13.5	OBS	T00179	13.82											
	STD	00200	13.75											
	STD	00250	13.56											
13.5	OBS	00267	13.48											
	STD	00300	13.34											
13.5	OBS	T00357	12.95											
	STD	00400	12.50											
13.5	OBS	00448	11.95											
	STD	00500	11.33											
13.5	OBS	T00540	10.75											
	STD	00600	09.27											
	STD	00700	07.31											
13.5	OBS	00724	06.93											
	STD	00800	06.17											
	STD	00900	05.35											
13.5	OBS	T00915	05.24											
13.5	OBS	T01427	04.25											

REFID	31	1456	YEAR	1969	BDTDP	04572	AIR TEMP	13.5	DIP HGT PER	WIND-DIR	34	INST NANSEN CAST	TEN SQ	1306	
CONSEC		0008	MONTH	05	SHIP CK		WET BULB	10.0	34		08	TRACE DIR	5	SQUARE	1
LAT	43	55	N	DAY	19	DATA USE	1	BAROMETR	1036.2	SEA	5	DURATION	2	SQUARE	20
LONG	041	05	W	HOUR	20.8	AREA	05	CLOUD T/A	8/6	CL/TR		CRIG D33 C08	1	SQUARE	31

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	P04	TOT P	NO2	NO3	SIC3	PH
	STD	00000	15.88											
	OBS	00000	15.88											
	STD	00010	15.88											
	STD	00020	15.88											
	STD	00030	15.88											
20.8	OBS	00036	15.88											
20.8	OBS	00049	15.87											
	STD	00050	15.87											
	STD	00075	15.86											
20.8	OBS	00079	15.86											
	STD	00100	15.63											
20.8	OBS	00104	15.58											
	STD	00125	15.25											
20.8	OBS	00138	15.10											
	STD	00150	15.10											
	STD	00200	15.08											
20.8	OBS	T00210	15.08											
	STD	00250	14.89											
	STD	00300	14.66											
20.8	OBS	00313	14.61											
	STD	00400	14.38											
20.8	OBS	T00416	14.23											
	STD	00500	12.78											
20.8	OBS	00526	12.25											
	STD	00600	10.42											
20.8	OBS	T00633	09.69											
20.8	OBS	C1068	04.78											
20.8	OBS	T01615	03.92											

TABLE XI.—Observed and interpolated oceanographic data for stations taken by USCGC CASTLE ROCK at Ocean Station DELTA, 7 May–27 May 1969, prepared from NODC listing No. 31-1456 CK.—Continued

REFID 31 1456	YEAR 1969	BCTDP 04563	AIR TEMP 12.0	DIP HGT PER	WIND-DIR 20	INST NANSEN CAST	TEN SQ 1306
CONSEC 0009	MONTH 05	SHIP CK	WET BULB 09.5	35	WIND-SPD 15	TRACE DIR	5 SQUARE 1
LAT 43 58 N	DAY 20	DATA USE 1	BAROMETR 1032.5	SEA 5	WIND-FDR	DURATION	2 SQUARE 20
LONG 040 53 W	HOOR 12.5	AREA 05	CLGUD T/A 8/7	CL/TR	WEATHER X1	CRIG 033 C09	1 SQUARE 30

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PC4	TGT P	NO2	NO3	SIO3	PH
	STD	00000	15.26											
12.5	DBS	00000	15.26											
	STD	00010	15.25											
12.5	DBS	00019	15.22											
	STD	00020	15.21											
	STD	00030	15.16											
12.5	DBS	00037	15.13											
	STD	00050	15.08											
12.5	DBS	00056	15.06											
	STD	00075	15.01											
12.5	DBS	00075	15.01											
	STD	00100	14.65											
12.5	DBS	00114	14.50											
	STD	00125	14.43											
	STD	00150	14.27											
12.5	DBS	T00152	14.26											
	STD	00200	14.02											
12.5	DBS	00230	13.90											
	STD	00250	13.84											
	STD	00300	13.70											
12.5	DBS	T00308	13.67											
12.5	DBS	00390	13.39											
	STD	00400	13.32											
12.5	DBS	00478	12.59											
	STD	00500	12.15											
	STD	00600	10.29											
	STD	00700	08.67											
12.5	DBS	T00718	08.40											
12.5	DBS	T01401	04.13											

REFID 31 1456	YEAR 1969	BCTDP 04572	AIR TEMP 15.0	DIP HGT PER	WIND-DIR 25	INST NANSEN CAST	TEN SQ 1306
CONSEC 0010	MONTH 05	SHIP CK	WET BULB 14.5	31	WIND-SPD 20	TRACE DIR	5 SQUARE 1
LAT 43 26 N	DAY 21	DATA USE 1	BAROMETR 1029.8	SEA 5	WIND-FDR	DURATION	2 SQUARE 20
LONG 041 02 W	HOOR 16.8	AREA 05	CLOUD T/A 3/6	CL/TR	WEATHER X1	DRIG 033 010	1 SQUARE 31

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	15.82											
16.8	DBS	00000	15.82											
	STD	00010	15.81											
	STD	00020	15.80											
16.8	DBS	00024	15.79											
	STD	00030	15.76											
16.8	DBS	00048	15.71											
	STD	00050	15.71											
16.8	DBS	00073	15.73											
	STD	00075	15.73											
	STD	00100	15.70											
16.8	DBS	00100	15.70											
	STD	00125	15.37											
	STD	00150	15.13											
16.8	DBS	00152	15.12											
16.8	DBS	T00198	14.97											
	STD	00200	14.96											
	STD	00250	14.80											
	STD	00300	14.58											
16.8	DBS	00319	14.48											
	STD	00400	13.90											
16.8	DBS	00437	13.72											
	STD	00500	13.71											
16.8	DBS	00551	13.50											
	STD	00600	13.04											
16.8	DBS	00685	12.10											
	STD	00700	11.82											
	STD	00800	10.10											
	STD	00900	08.67											
16.8	DBS	00944	08.13											
	STD	01000	07.63											
	STD	01100	06.80											
	STD	01200	06.08											
16.8	DBS	01200	06.08											
16.8	DBS	T01843	03.78											

TABLE XI.—Observed and interpolated oceanographic data for stations taken by USCGC CASTLE ROCK at Ocean Station DELTA, 7 May-27 May 1969, prepared from NODC listing No. 31-1456 CK.—Continued

REFID	31	1456	YEAR	1969	BOCTOP	04572	AIR TEMP	15.5	OIR	HGT	PER	WIND-DIR	25	INST	NANSEN	CAST	TEN	SQ	1306	
CONSEC		0011	MONTH	05	SHIP	CK	WET BULB	14.0				27		TRACE	DIR		5	SQUARE	1	
LAT	44	03	N	DAY	22	DATA	USE	1	BAROMETR	1032.2	SEA	4	WIND-FOR	OURATION			2	SQUARE	40	
LONG	040	42.5W	HOUR	13.0	AREA	05	CLOUD	T/A	6/8		CL/TR		WEATHER	X ₂	CRIG	033	011	1	SQUARE	40

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	14.08											
13.0	OBS	00000	14.08											
	STD	00010	14.06											
	STD	00020	14.05											
13.0	OBS	00020	14.05											
	STD	00030	14.04											
13.0	OBS	00041	14.03											
	STD	00050	13.98											
13.0	OBS	00061	13.91											
	STD	00075	13.80											
13.0	OBS	00081	13.77											
	STD	00100	13.72											
13.0	OBS	00120	13.69											
	STD	00125	13.69											
	STD	00150	13.70											
13.0	OBS	T00159	13.70											
	STD	00200	13.65											
13.0	OBS	00237	13.59											
	STD	00250	13.57											
	STD	00300	13.45											
13.0	OBS	TC0314	13.41											
13.0	OBS	00394	13.12											
	STD	00400	13.01											
13.0	OBS	T00477	11.65											
	STD	00500	11.24											
13.0	OBS	00600	09.59											
	STD	00652	08.82											
	STD	00700	08.16											
	STD	00800	06.94											
13.0	OBS	00836	06.56											
13.0	OBS	T01306	04.17											

REFID	31	1456	YEAR	1969	BOCTOP	04572	AIR TEMP	13.0	OIR	HGT	PER	WIND-DIR	04	INST	NANSEN	CAST	TEN	SQ	1306	
CONSEC		0012	MONTH	05	SHIP	CK	WET BULB	11.5				23	2	3	TRACE	DIR		5	SQUARE	1
LAT	44	01.5N	DAY	23	DATA	USE	1	BAROMETR	1034.2	SEA		WIND-FOR	OURATION				2	SQUARE	40	
LONG	040	55.5W	HOUR	13.0	AREA	05	CLOUD	T/A	6/8		CL/TR		WEATHER	X ₂	CRIG	033	012	1	SQUARE	40

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	15.64											
13.0	OBS	00005	15.64											
	STD	00010	15.64											
	STD	00020	15.63											
	STD	00030	15.62											
13.0	OBS	00030	15.62											
	STD	00050	15.54											
13.0	OBS	00056	15.52											
	STD	00075	15.46											
13.0	OBS	00081	15.42											
	STD	00100	15.16											
13.0	OBS	00107	15.08											
	STD	00125	14.94											
	STD	00150	14.75											
13.0	OBS	00157	14.70											
	STD	00200	14.47											
	STD	00250	14.20											
	STD	00300	13.91											
13.0	OBS	00310	13.85											
	STD	00400	13.34											
13.0	OBS	CC411	13.23											
	STD	00500	11.99											
13.0	OBS	C0513	11.77											
	STD	00600	09.94											
13.0	OBS	T00609	09.76											
	STD	00700	07.74											
	STD	00800	06.14											
13.0	OBS	00817	05.93											
	STD	00900	05.42											
	STD	01000	04.91											
13.0	OBS	T01010	04.86											
13.0	OBS	T01531	04.04											

TABLE XI.—Observed and interpolated oceanographic data for stations taken by USCGC CASTLE ROCK at Ocean Station DELTA, 7 May–27 May 1969, prepared from NODC listing No. 31-1456 CK.—Continued

REFID 31 1456	YEAR 1969	ROTDP 04572	AIR TEMP 15.0	DIP HGT PER	WIND-DIR 26	INST NANSEN CAST	TEN SQ 1306
CONSEC 0013	MONTH 05	SHIP CK	WET BULB 14.5	27 6 4	WIND-SPD 25	TRACE DIR	5 SQUARE 1
LAT 43 57 N	DAY 25	DATA USE 1	BAROMETR 1017.3	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 040 57 W	HOUR 16.6	AREA 05	CLOUD T/A 5/8	CL/TR	WEATHER X6	CRIG 033 013	1 SQUARE 30

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TGT P	NO2	NO3	SI03	PH
	STD	00000	15.70											
16.6	OBS	00000	15.70											
	STD	00010	15.70											
	STD	00020	15.69											
16.6	OBS	00022	15.69											
	STD	00030	15.67											
16.6	OBS	00045	15.64											
	STD	00050	15.56											
16.6	OBS	00067	15.32											
	STD	00075	15.23											
16.6	OBS	00090	15.09											
	STD	00100	15.04											
	STD	00125	14.92											
16.6	OBS	00136	14.86											
	STD	00150	14.76											
16.6	OBS	00182	14.59											
	STD	00200	14.57											
	STD	00250	14.50											
16.6	OBS	00277	14.46											
	STD	00300	14.25											
16.6	OBS	00370	13.80											
	STD	00400	13.77											
16.6	OBS	00466	13.70											
	STD	00500	12.85											
16.6	OBS	T00560	11.55											
	STD	00600	11.08											
	STD	00700	09.78											
16.6	OBS	00751	09.05											
	STD	00800	08.11											
	STD	00900	06.47											
16.6	OBS	00942	05.90											
16.6	OBS	T01431	04.13											

REFID 31 1456	YEAR 1969	ROTDP 04572	AIR TEMP 14.5	DIR HGT PER	WIND-DIR 27	INST NANSEN CAST	TEN SQ 1306
CONSEC 0014	MONTH 05	SHIP CK	WET BULB 13.5	23 6 4	WIND-SPD 14	TRACE DIR	5 SQUARE 1
LAT 44 03 N	DAY 26	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 041 45 W	HOUR 13.2	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X2	CRIG 033 014	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TGT P	NO2	NO3	SI03	PH
	STD	00000	15.11											
13.2	OBS	00000	15.11											
	STD	00010	15.07											
	STD	00020	15.02											
13.2	OBS	00025	14.99											
	STD	00030	14.97											
	STD	00050	14.80											
13.2	OBS	00050	14.80											
	STD	00075	14.31											
13.2	OBS	00076	14.30											
	STD	00100	14.19											
13.2	OBS	00101	14.19											
	STD	00125	14.09											
	STD	00150	13.98											
13.2	OBS	00153	13.97											
	STD	00200	13.78											
13.2	OBS	00203	13.77											
	STD	00250	13.73											
	STD	00300	13.69											
13.2	OBS	00306	13.68											
	STD	00400	12.65											
13.2	OBS	T00409	12.52											
	STD	00500	10.77											
13.2	OBS	CC514	10.48											
	STD	00600	08.57											
13.2	OBS	00618	08.23											
	STD	00700	07.10											
	STD	00800	06.03											
13.2	OBS	00829	05.78											
	STD	00900	05.42											
	STD	01000	04.98											
13.2	OBS	T01038	04.83											
13.2	OBS	T01586	03.84											

TABLE XI.—Observed and interpolated oceanographic data for stations taken by USCGC CASTLE ROCK at Ocean Station DELTA, 7 May-27 May 1969, prepared from NODC listing No. 31-1456 CK.—Continued

REFID 31 1456	YEAR 1969	BOCTOP 04572	AIR TEMP 15.0	DIR HGT PER	WIND-DIR 15	INST NANSEN CAST	TEN SW 1306
CONSEC 0015	MONTH 05	SHIP CK	WET BULB 14.0	12 5 4	WIND-SPD 10	TRACE DIR	5 SQUARE 1
LAT 44 06 N	DAY 27	DATA USE 1	BAROMETER 1025.0	SEA	WIND-FUR	DURATION	2 SQUARE 40
LONG 040 59 W	HCUF 12.8	AREA 05	CLCUD T/4 6/8	CL/TR	WEATHER X2	CRIG 035 C15	1 SQUARE 40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIG3	PH
	STO	00000	14.43											
12.8	OBS	00000	14.43											
	STO	00010	14.41											
	STO	00020	14.38											
12.8	OBS	00024	14.37											
	STO	00030	14.34											
	STO	00050	14.24											
12.8	OBS	00050	14.24											
12.8	OBS	00074	14.12											
	STO	00075	14.11											
	STO	00100	13.86											
12.8	OBS	00100	13.86											
	STO	00125	13.82											
12.8	OBS	00149	13.78											
	STO	00150	13.78											
12.8	OBS	00198	13.76											
	STO	00200	13.76											
	STO	00250	13.70											
12.8	OBS	00297	13.67											
	STO	00300	13.67											
12.8	OBS	T00398	13.66											
	STO	00400	13.65											
12.8	OBS	00492	12.87											
	STO	00500	12.76											
12.8	OBS	00588	11.29											
	STO	00600	10.91											
	STO	00700	08.22											
12.8	OBS	00782	06.70											
	STO	00800	06.57											
	STO	00900	05.93											
12.8	OBS	T00975	05.52											
12.8	OBS	T01463	04.28											

TABLE XII.—Observed and interpolated oceanographic data for stations taken by USCGC HALF-MOON at Ocean Station DELTA, 29 May–19 June 1969, prepared from NODC listing No. 31-1450 HM.

REFID 31 1450	YEAR 1969	BCTOP 04572	AIR TEMP 12.8	OIR HGT PEP	WIND-OIR 15	INST NANSEN CAST	TEN SQ 1306
CONSEC 0001	MONTH 05	SHIP HM	WET BULB 09.4	2B 2 2	WIND-SPO 08	TRACE OIR	5 SQUARE 1
LAT 44 00 N	DAY 29	DATA USE 1	BAROMETR 1023.0	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 041 00 W	HOUR 12.7	AREA 05	CLOUD T/A 3/7	CL/TP	WEATHER X1	CRIG 034 001	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STO	00000	14.52	35.94	26.82	00.000	1507.0							
12.7	OBS	00000	14.52	35.938	26.82		1507.0							
	STO	00010	14.48	35.93	26.82	00.012	1507.1							
	STO	00020	14.43	35.93	26.83	00.024	1507.0							
12.7	OBS	00025	14.40	35.929	26.84		1507.0							
	STO	C0030	14.37	35.93	26.84	00.037	1507.0							
	STO	00050	14.21	35.92	26.87	00.061	1506.8							
12.7	OBS	00051	14.20	35.916	26.87		1506.8							
	STO	00075	13.95	35.90	26.91	00.091	1506.3							
12.7	OBS	00076	13.94	35.898	26.91		1506.3							
	STO	00100	13.95	35.92	26.92	00.120	1506.8							
12.7	OBS	00101	13.95	35.916	26.92		1506.8							
	STO	00125	13.83	35.89	26.93	00.149	1506.8							
12.7	OBS	00126	13.83	35.891	26.93		1506.8							
	STO	00150	13.73	35.88	26.94	00.178	1506.9							
12.7	OBS	00151	13.73	35.879	26.94		1506.9							
	STO	00200	13.65	35.88	26.96	00.237	1507.4							
12.7	OBS	00201	13.65	35.881	26.96		1507.4							
	STO	C0250	13.61	35.88	26.97	00.295	1508.1							
	STO	00300	13.57	35.88	26.97	00.354	1508.8							
12.7	OBS	00302	13.57	35.876	26.97		1508.8							
	STO	00400	12.79	35.70	26.99	00.472	1507.6							
12.7	OBS	T00406	12.73	35.687	27.00		1507.5							
	STO	00500	11.64	35.49	27.06	00.588	1505.0							
	STO	00600	10.14	35.29	27.17	00.697	1501.1							
12.7	OBS	T00601	10.12	35.284	27.17		1501.1							
	STO	00700	07.70	35.02	27.36	00.791	1493.3							
	STO	00800	06.10	34.90	27.48	00.870	1488.5							
12.7	OBS	C0800	06.10	34.896	27.48		1488.5							
	STO	00900	05.73	34.98	27.59	00.958	1488.8							
12.7	OBS	T00998	05.40	35.043	27.68		1489.2							
12.7	OBS	01495	04.06	34.950	27.76		1491.9							

REFID 31 1450	YEAR 1969	BCTOP 04572	AIR TEMP 15.6	OIR HGT PER	WIND-OIR 14	INST NANSEN CAST	TEN SQ 1306
CONSEC 0002	MONTH 05	SHIP HM	WET BULB 15.6	15 2 2	WIND-SPO 25	TRACE OIR	5 SQUARE 1
LAT 44 01 N	DAY 30	DATA USE 1	BAROMETR 1008.0	SEA	WIND-FUR	DURATION	2 SQUARE 40
LONG 041 00 W	HOUR 12.9	AREA 05	CLOUD T/A 7/6	CL/TR	WEATHER X6	CRIG 034 002	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STO	00000	14.33	35.92	26.84	00.000	1506.4							
12.9	OBS	00000	14.33	35.917	26.84		1506.4							
	STO	00010	14.32	35.93	26.85	00.012	1506.5							
	STO	00020	14.32	35.93	26.86	00.024	1506.7							
12.9	OBS	C0020	14.32	35.931	26.86		1506.7							
	STO	00030	14.26	35.93	26.87	00.036	1506.7							
12.9	OBS	00041	14.20	35.935	26.88		1506.7							
	STO	00050	14.15	35.93	26.89	00.060	1506.7							
12.9	OBS	00063	14.07	35.932	26.91		1506.6							
	STO	00075	13.95	35.92	26.93	00.069	1506.4							
12.9	OBS	00083	13.91	35.921	26.94		1506.4							
	STO	00100	13.92	35.92	26.94	00.118	1506.7							
12.9	OBS	00104	13.92	35.924	26.94		1506.8							
	STO	00125	13.94	35.93	26.93	00.147	1507.2							
12.9	OBS	C0126	13.94	35.929	26.93		1507.2							
	STO	00150	13.93	35.93	26.94	00.176	1507.6							
12.9	OBS	00169	13.91	35.930	26.94		1507.8							
	STO	00200	13.83	35.92	26.95	00.235	1508.0							
	STO	00250	13.72	35.89	26.95	00.294	1508.5							
12.9	OBS	00253	13.71	35.892	26.95		1508.5							
	STO	00300	13.66	35.88	26.96	00.353	1509.1							
12.9	OBS	T00330	13.57	35.860	26.96		1509.3							
	STO	00400	13.30	35.78	26.95	00.474	1509.4							
12.9	OBS	T00490	12.38	35.621	27.02		1507.6							
	STO	00500	12.20	35.59	27.03	00.594	1507.1							
	STO	00600	10.28	35.31	27.16	00.705	1501.7							
12.9	OBS	00634	09.56	35.222	27.22		1499.5							
	STO	00700	07.78	35.01	27.34	00.800	1493.6							
12.9	OBS	T00772	06.27	34.901	27.46		1488.8							
	STO	00800	05.81	34.92	27.54	00.877	1487.4							
	STO	00900	04.72	35.00	27.73	00.935	1484.7							
12.6	OBS	T00900	04.72	34.998	27.73		1484.7							

TABLE XII.—Observed and interpolated oceanographic data for stations taken by USCGC HALF-MOON at Ocean Station DELTA, 29 May–19 June 1969, prepared from NODC listing No. 31-1450 HM.—Continued

REFID 31 1450	YEAR 1969	BOTOP 04572	AIR TEMP 12.2	DIF HGT PER	WIND-DIR 31	INST NANSEN CAST	TEN SQ 1306
CONSEC 0003	MONTH 06	SHIP HM	WET BULB 10.0	30 2 3	WIND-SPO 20	TRACE DIR	5 SQUARE 1
LAT 44 00 N	DAY 03	DATA USE 1	BAROMETR 1018.0	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 041 00 W	HOUR 17.0	AREA 05	CLCUD T/A 8/8	CL/TR	WEATHER X2	ORIG D34 C03	1 SQUARE 41

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	PD4	TCT P	NO2	NO3	SI33	PH
17.0	STD	00000	14.15	35.22	26.34	00.000	1504.9							
	OBS	00000	14.15	35.22	26.34		1504.9							
	STD	00010	14.17	35.28	26.39	00.016	1505.3							
	STD	00020	14.24	35.35	26.42	00.033	1505.7							
17.0	OBS	00025	14.29	35.38	26.44		1506.0							
	STD	00030	14.36	35.39	26.43	00.043	1506.3							
	STD	00050	14.71	35.57	26.49	00.081	1508.0							
17.0	OBS	00050	14.71	35.573	26.49		1508.0							
	STD	00075	15.26	36.12	26.80	00.116	1510.8							
17.0	OBS	00075	15.26	36.124	26.80		1510.8							
	STD	00100	15.23	36.14	26.81	00.148	1511.2							
17.0	OBS	00100	15.23	36.138	26.81		1511.2							
	STD	00125	15.15	36.13	26.83	00.180	1511.5							
17.0	OBS	00125	15.15	36.129	26.83		1511.3							
17.0	OBS	00140	14.98	36.087	26.83		1511.0							
	STD	00150	14.69	36.07	26.82	00.212	1510.8							
	STD	00200	14.45	35.97	26.86	00.275	1510.1							
17.0	OBS	00200	14.45	35.973	26.86		1510.1							
	STD	00250	13.93	35.90	26.91	00.337	1509.2							
	STD	00300	13.58	35.85	26.95	00.398	1508.8							
17.0	OBS	00300	13.58	35.846	26.95		1508.8							
17.0	OBS	T00399	13.37	35.813	26.96		1509.7							
17.0	OBS	00670	08.51	35.098	27.29		1496.0							
	STD	00700	07.89	35.07	27.37		1494.1							
17.0	OBS	00789	06.41	35.023	27.54		1485.0							
	STD	00800	06.33	35.02	27.55		1489.6							
	STD	00900	05.62	35.02	27.64		1486.4							
17.0	OBS	T00983	05.13	35.013	27.69		1487.6							
17.0	OBS	T01537	04.01	34.992	27.80		1492.4							

REFID 31 1450	YEAR 1969	BOTOP 04572	AIR TEMP 12.2	DIF HGT PER	WIND-DIR 31	INST NANSEN CAST	TEN SQ 1306
CONSEC 0004	MONTH 06	SHIP HM	WET BULB 10.0	30 3 2	WIND-SPO 20	TRACE DIR	5 SQUARE 1
LAT 44 00 N	DAY 04	DATA USE 1	BAROMETR 1022.8	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 041 00 W	HOUR 12.8	AREA 05	CLCUD T/A 6/6	CL/TR	WEATHER X2	ORIG 034 004	1 SQUARE 41

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI33	PH
12.8	STD	00000	14.60	36.01	26.86	00.000	1507.4							
	OBS	00000	14.60	36.010	26.86		1507.4							
	STD	00010	14.60	36.01	26.85	00.012	1507.5							
	STD	00020	14.60	36.01	26.85	00.024	1507.7							
12.8	OBS	00027	14.60	36.006	26.85		1507.8							
	STD	00036	14.60	36.01	26.85	00.036	1507.9							
	STD	00050	14.60	36.01	26.86	00.060	1508.2							
12.8	OBS	00051	14.60	36.015	26.86		1508.2							
	STD	00075	14.58	36.01	26.86	00.091	1508.5							
12.8	OBS	00075	14.58	36.014	26.86		1508.5							
12.8	OBS	00099	14.53	36.018	26.88		1508.8							
	STD	00100	14.53	36.02	26.88	00.121	1508.8							
12.8	OBS	00123	14.44	36.031	26.91		1508.9							
	STD	00125	14.42	36.03	26.91	00.151	1508.8							
12.8	OBS	00147	14.18	35.972	26.92		1508.4							
	STD	00150	14.15	35.97	26.92	00.161	1508.3							
12.8	OBS	00194	13.86	35.913	26.94		1508.0							
	STD	00200	13.85	35.91	26.94	00.240	1508.1							
	STD	00250	13.77	35.91	26.95	00.299	1508.6							
12.8	OBS	00290	13.70	35.896	26.96		1509.1							
	STD	00300	13.68	35.89	26.96	00.358	1509.2							
12.8	OBS	T00381	13.56	35.892	26.96		1510.1							
	STD	00400		35.83										
	STD	00500		35.63										
12.8	OBS	00580		35.459										
	STD	00600		35.38										
	STD	00700		35.09										
12.8	OBS	00772	06.93	34.973	27.43		1491.5							
	STD	00800	06.69	34.98	27.47		1491.0							
	STD	00900	05.92	35.01	27.59		1469.6							
12.8	OBS	T00969	05.46	35.022	27.66		1486.4							
12.8	OBS	T01548	04.11	34.952	27.76		1493.0							

TABLE XII.—Observed and interpolated oceanographic data for stations taken by USCGC HALF-MOON at Ocean Station DELTA, 29 May–19 June 1969, prepared from NODC listing No. 31–1450 HM.—Continued

REFID 31 1450 YEAR 1969 BOTOP 04572 AIR TEMP 15.0 OIR HGT PER WIND-OIR 29 INST NANSEN CAST TEN SQ 1306
 CONSEC 0005 MONTH 06 SHIP HM WET BULB 13.9 30 2 2 WIND-SPD 12 TRACE OIR 5 SQUARE 1
 LAT 44 00 N DAY 05 DATA USE 1 BAROMETP 1030.0 SEA WIND-FOR OURATION 2 SQUARE 40
 LONG 041 00 W HOUR 12.5 AREA 05 CLOUD T/A X/5 CL/TR WEATHER X4 ORIG 034 005 1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P24	TOT P	NO2	NO3	S103	PH
	STD	00000	14.91	35.77	26.61	00.000	1508.1							
	OBS	00000	14.91	35.774	26.61		1508.1							
	STD	00010	14.93	35.84	26.65	00.014	1508.4							
12.5	OBS	00018	14.97	35.888	26.68		1508.7							
	STD	00020	15.00	35.90	26.68	00.028	1508.8							
	STD	00030	15.12	35.94	26.69	00.041	1509.4							
12.5	OBS	00038	15.16	35.960	26.69		1509.7							
	STD	00050	15.13	35.97	26.71	00.069	1509.8							
12.5	OBS	00058	15.08	35.976	26.72		1509.8							
	STD	00075	14.92	36.00	26.77	00.102	1509.6							
12.5	OBS	00078	14.89	36.000	26.78		1509.6							
12.5	OBS	00098	14.73	36.045	26.85		1509.4							
	STD	00100	14.70	36.04	26.86	00.134	1509.4							
12.5	OBS	00118		36.044										
	STD	00125	14.42	36.02	26.90	00.164	1508.8							
	STD	00150	14.20	35.95	26.90	00.194	1508.5							
12.5	OBS	T00154	14.17	35.941	26.90		1508.4							
	STD	00200	14.04	35.93	26.91	00.255	1508.8							
12.5	OBS	00233	13.94	35.916	26.92		1508.9							
	STD	00250	13.90	35.91	26.93	00.315	1509.1							
	STD	00300	13.70	35.87	26.94	00.376	1509.2							
12.5	OBS	T00313	13.64	35.854	26.94		1509.2							
12.5	OBS	00641	09.92	35.205	27.14		1500.9							
	STD	00700	08.67	35.14	27.30		1497.2							
	STD	00800	06.85	35.05	27.50		1491.7							
12.5	OBS	T00831	06.56	35.027	27.55		1490.3							
12.5	OBS	T01464	04.05	34.974	27.78		1491.4							
	STD	01500	04.02	34.97	27.78		1491.8							
	STD	01750	03.85	34.95	27.78		1495.3							
14.9	OBS	T01978	03.71	34.934	27.79		1498.6							
	STD	02000	03.70	34.93	27.79		1498.9							
14.9	OBS	T02495	03.46	34.947	27.82		1506.4							
	STD	02500	03.46	34.95	27.82		1506.4							
	STD	03000	03.09	34.94	27.85		1513.5							
14.9	OBS	03035	03.06	34.938	27.85		1514.0							
14.9	OBS	T03565	02.66	34.925	27.88		1521.5							
	STD	04000	02.41	34.91	27.88		1528.1							
14.9	OBS	04089	02.37	34.902	27.88		1529.4							

REFID 31 1450 YEAR 1969 BOTOP 04572 AIR TEMP 15.6 OIR HGT PER WIND-OIR 29 INST NANSEN CAST TEN SQ 1306
 CONSEC 0006 MONTH 06 SHIP HM WET BULB 14.4 29 2 2 WIND-SPD 12 TRACE OIR 5 SQUARE 1
 LAT 44 00 N DAY 06 DATA USE 1 BAROMETP 1031.0 SEA WIND-FOR OURATION 2 SQUARE 40
 LONG 041 00 W HOUR 12.7 AREA 05 CLOUD T/A 2/3 CL/TR WEATHER X1 ORIG 034 006 1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P24	TOT P	NO2	NO3	S103	PH
	STD	00000	15.00	35.99	26.75	00.000	1508.6							
	OBS	00000	15.00	35.990	26.75		1508.6							
	STD	00010	14.74	35.96	26.78	00.012	1508.0							
	STD	00020	14.57	35.93	26.80	00.025	1507.5							
12.7	OBS	00022	14.54	35.930	26.81		1507.4							
	STD	00030	14.44	35.93	26.83	00.038	1507.2							
12.7	OBS	00047	14.30	35.921	26.85		1507.1							
	STD	00050	14.30	35.92	26.85	00.062	1507.1							
12.7	OBS	00070	14.30	35.928	26.86		1507.4							
	STD	00075	14.29	35.93	26.86	00.093	1507.5							
12.7	OBS	00093	14.26	35.927	26.87		1507.7							
	STD	00100	14.25	35.92	26.87	00.123	1507.8							
12.7	OBS	00118	14.21	35.917	26.87		1507.9							
	STD	00125	14.21	35.92	26.87	00.154	1508.0							
12.7	OBS	00141	14.17	35.913	26.87		1508.2							
	STD	00150	14.10	35.91	26.89	00.185	1508.1							
12.7	OBS	T00188	13.65	35.907	26.94		1507.9							
	STD	00200	13.84	35.91	26.94	00.245	1508.0							
	STD	00250	13.76	35.90	26.95	00.304	1508.6							
12.7	OBS	00281	13.70	35.898	26.96		1508.9							
	STD	00300	13.65	35.89	26.97	00.363	1509.1							
12.7	OBS	T00372	13.47	35.840	26.96		1509.6							
	STD	00400	13.18	35.77	26.97	00.482	1509.0							
	STD	00500	11.90	35.54	27.05	00.600	1506.0							
12.7	OBS	T00557	11.01	35.412	27.11		1503.7							
	STD	00600	09.97	35.28	27.19	00.708	1500.5							
	STD	00700	07.97	35.06	27.35	00.802	1494.4							
12.7	OBS	00742	07.30	35.005	27.40		1492.4							
	STD	00800	06.68	35.01	27.49	00.882	1491.0							
	STD	00900	05.76	35.01	27.61	00.949	1489.0							
12.7	OBS	T00922	05.58	35.010	27.63		1488.6							
12.7	OBS	T01442	04.10	34.949	27.76		1491.2							

TABLE XII.—Observed and interpolated oceanographic data for stations taken by USCGC HALF-MOON at Ocean Station DELTA, 29 May–19 June 1969, prepared from NODC listing No. 31-1450 HM.—Continued

REFID 31 1450	YEAR 1969	BOTDP 04572	AIR TEMP 15.6	DIR HGT PER	WIND-DIR 30	INST NANSEN CAST	TEN SQ 1306
CONSEC 0007	MONTH 06	SHIP HM	WET BULB 14.4	29 2 2	WIND-SPD 15	TRACE DIR	5 SQUARE 1
LAT 44 00 N	DAY 07	DATA USE 1	BAROMETR 1032.C	SEA	WIND-FDR	DURATION	2 SQUARE 40
LCNG 041 00 W	HOUR 12.5	AREA 05	CLOUD T/A 2/5	CL/TR	WEATHER X1	ORIG 034 007	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIC3	PH
12.5	STD	00000	14.96	35.38	26.29	00.000	1507.7							
	085	00000	14.96	35.378	26.29		1507.7							
	STD	00010	15.10	35.55	26.39	00.016	1508.5							
	STD	00020	15.26	35.71	26.48	00.033	1509.4							
12.5	085	00025	15.35	35.778	26.51		1509.9							
	STD	00030	15.51	35.84	26.53	00.048	1510.5							
	STD	00050	15.90	36.06	26.60	00.078	1512.3							
12.5	085	00050	15.90	36.056	26.60		1512.3							
	STD	00075	15.86	36.21	26.73	00.113	1512.8							
12.5	085	00075	15.86	36.214	26.73		1512.8							
12.5	085	00099	15.81	36.238	26.76		1513.1							
	STD	00100	15.82	36.24	26.76	00.146	1513.1							
12.5	085	00124	15.89	36.283	26.78		1513.8							
	STD	00125	15.89	36.28	26.78	00.180	1513.8							
	STD	00150	15.78	36.26	26.79	00.212	1513.8							
12.5	085	00150	15.78	36.264	26.79		1513.8							
12.5	085	00199		36.223										
	STD	00200	15.41	36.22	26.84	00.278	1513.5							
	STD	00250	15.00	36.12	26.85	00.342	1512.9							
12.5	085	00299	14.56	36.018	26.87		1512.1							
	STD	00300	14.55	36.02	26.87	00.406	1512.1							
12.5	085	T00399	13.52	35.804	26.93		1510.1							
12.5	085	T00608	09.72	35.252	27.22		1499.7							
	STD	00700	07.76	35.06	27.38		1493.6							
	STD	00800	06.23	34.95	27.50		1489.1							
12.5	085	C0807	06.15	34.942	27.51		1488.9							
	STD	00900	05.65	34.98	27.60		1488.5							
	STD	01000	05.18	35.00	27.66		1488.3							
12.5	085	T01016	05.11	35.006	27.65		1488.3							
12.5	085	T01552	03.94	34.939	27.77		1492.3							

REFID 31 1450	YEAR 1969	BOTDP 04572	AIR TEMP 16.7	DIR HGT PER	WIND-DIR 22	INST NANSEN CAST	TEN SQ 1306
CONSEC 0008	MONTH 06	SHIP HM	WET BULB 15.6	22 1 2	WIND-SPD 15	TRACE DIR	5 SQUARE 1
LAT 44 00 N	DAY 08	DATA USE 1	BAROMETR 1027.5	SEA	WIND-FDR	DURATION	2 SQUARE 40
LONG 041 00 W	HOUR 12.6	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X2	ORIG 034 008	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIC3	PH
12.6	STD	00000	14.52	35.25	26.28	00.000	1506.2							
	085	00000	14.52	35.246	26.28		1506.2							
	STD	00010	15.36	35.66	26.42	00.016	1509.5							
	STD	00020	15.86	35.93	26.51	00.032	1511.5							
12.6	085	00024	15.96	35.994	26.54		1512.0							
	STD	00030	15.73	35.94	26.55	00.047	1511.3							
12.6	085	00047	15.49	35.901	26.57		1510.8							
	STD	00050	15.59	35.97	26.61	00.077	1511.2							
	STD	00075	16.41	36.29	26.66	00.113	1514.6							
12.6	085	00076	16.44	36.293	26.66		1514.7							
12.6	085	00096	15.81	36.179	26.71		1512.9							
	STD	00100	15.79	36.18	26.72	00.148	1513.0							
12.6	085	00119	15.64	36.174	26.75		1512.8							
	STD	00125	15.56	36.16	26.76	00.181	1512.6							
12.6	085	00143	15.29	36.100	26.77		1512.0							
	STD	00150	15.13	36.06	26.78	00.215	1511.6							
12.6	085	T00191	14.34	35.893	26.82		1509.5							
	STD	00200	14.27	35.88	26.83	00.280	1509.4							
	STD	00250	13.88	35.83	26.87	00.344	1508.9							
12.6	085	00286	13.62	35.790	26.89		1508.6							
	STD	00300	13.56	35.78	26.90	00.406	1508.6							
12.6	085	T00380	13.03	35.683	26.93		1508.1							
	STD	00400	12.79	35.64	26.95	00.530	1507.5							
	STD	00500	11.46	35.45	27.06	00.648	1504.4							
12.6	085	T00578	10.27	35.310	27.17		1501.3							
	STD	00600	09.76	35.26	27.21	00.754	1499.7							
	STD	00700	07.79	35.08	27.39	00.845	1493.8							
12.6	085	00771	06.74	35.001	27.48		1490.7							
	STD	00800	06.48	35.00	27.51	00.921	1490.2							
	STD	00900	05.70	34.99	27.60	00.988	1488.7							
12.6	085	T00950	05.36	34.980	27.64		1488.2							
12.6	085	T01466	04.04	34.933	27.75		1491.3							

TABLE XII.—Observed and interpolated oceanographic data for stations taken by USCGC HALF-MOON at Ocean Station DELTA, 29 May–19 June 1969, prepared from NODC listing No. 31-1450 HM.—Continued

REFID 31 1450	YEAR 1969	BOTDP 04572	AIR TEMP 17.8	OIP HGT PER	WIND-DIR 20	INST NANSEN CAST	TEN SQ 1306
CONSEC 0009	MONTH 06	SHIP HM	WET BULB 16.7	20 2 2	WIND-SPD 16	TRACE DIR	5 SQUARE 1
LAT 44 00 N	DAY 09	DATA USE 1	BAROMETR 1023.0	SEA	WIND-FDR	DURATION	2 SQUARE 40
LONG 041 00 W	HOUR 18.2	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X6	ORIG D34 D09	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SI03	PH
18.2	STD	00000	16.34	35.99	26.45	00.000	1512.8							
	OBS	00000	16.34	35.988	26.45		1512.8							
	STD	00010	15.98	35.94	26.49	00.015	1511.8							
	STD	00020	15.74	35.89	26.51	00.031	1511.1							
18.2	OBS	00027	15.63	35.856	26.51		1510.9							
	STD	00030	15.63	35.90	26.54	00.046	1511.0							
18.2	OBS	00049	15.65	36.089	26.68		1511.6							
	STD	00050	15.65	36.09	26.69	00.075	1511.6							
	STD	00075	15.74	36.17	26.73	00.109	1512.4							
18.2	OBS	00076	15.74	36.174	26.73		1512.4							
	STD	00100	15.47	36.14	26.76	00.143	1511.9							
18.2	OBS	00101	15.46	36.138	26.76		1511.9							
	STD	00125	15.27	36.10	26.78	00.176	1511.6							
18.2	OBS	00126	15.26	36.101	26.78		1511.6							
	STD	00150	14.92	36.03	26.80	00.208	1510.9							
18.2	OBS	00150	14.92	36.033	26.80		1510.9							
	STD	00200	14.58	35.98	26.84	00.273	1510.5							
18.2	OBS	T00202	14.58	35.980	26.84		1510.5							
	STD	00250	13.87	35.83	26.87	00.336	1508.9							
18.2	OBS	00298	13.47	35.750	26.90		1508.3							
	STD	00300	13.48	35.75	26.90	00.359	1508.3							
18.2	OBS	T00395	13.35	35.627	26.94		1510.2							
	STD	00600	09.97	35.25	27.17		1500.5							
18.2	OBS	T00600	09.97	35.247	27.17		1500.5							
	STD	00700	07.54	35.00	27.36		1492.7							
	STD	C0800	05.94	34.87	27.48		1487.8							
18.2	OBS	00804	05.89	34.865	27.48		1487.7							
	STD	00900	05.58	34.94	27.58		1488.2							
	STD	01000	05.28	34.99	27.66		1488.7							
18.2	OBS	T01012	05.24	35.000	27.67		1488.7							
18.2	OBS	T01510	03.98	34.919	27.75		1491.6							

REFID 31 1450	YEAR 1969	BOTDP 04572	AIR TEMP 17.2	OIP HGT PER	WIND-DIR 20	INST NANSEN CAST	TEN SQ 1306
CONSEC 0010	MONTH 06	SHIP HM	WET BULB 16.7	22 2 2	WIND-SPD 20	TRACE DIR	5 SQUARE 1
LAT 44 00 N	DAY 10	DATA USE 1	BAROMETR 1023.5	SEA	WIND-FDR	DURATION	2 SQUARE 40
LONG 041 00 W	HOUR 18.3	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X5	ORIG D34 010	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SI03	PH
18.3	STD	00000	15.57	35.93	26.58	00.000	1510.3							
	OBS	DD000	15.57	35.926	26.58		1510.3							
	STD	00010	15.47	35.94	26.61	00.014	1510.2							
	STD	00020	15.34	35.95	26.65	00.028	1510.0							
18.3	OBS	00027	15.24	35.958	26.67		1509.8							
	STD	00030	15.18	35.96	26.65	00.042	1509.6							
	STD	00050	14.82	35.97	26.78	00.069	1508.8							
18.3	OBS	00053	14.77	35.969	26.75		1508.7							
	STD	00075	14.50	35.93	26.82	00.101	1508.2							
18.3	OBS	00080	14.44	35.925	26.82		1508.1							
	STD	00100	14.24	35.91	26.85	00.132	1507.7							
18.3	OBS	00106	14.18	35.901	26.86		1507.6							
	STD	00125	14.01	35.88	26.88	00.163	1507.3							
18.3	OBS	00133	13.94	35.873	26.69		1507.2							
	STD	00150	13.80	35.84	26.90	00.193	1507.0							
18.3	OBS	00158	13.74	35.832	26.90		1506.9							
	STD	00200	13.58	35.82	26.92	00.223	1507.1							
18.3	OBS	T00210	13.55	35.815	26.93		1507.2							
	STD	00250	13.49	35.81	26.94	00.313	1507.6							
	STD	00300	13.41	35.80	26.94	00.373	1508.1							
18.3	OBS	00316	13.38	35.793	26.95		1508.3							
	STD	00400	12.30	35.57	26.99	00.492	1505.8							
18.3	OBS	T00421	12.01	35.523	27.01		1505.1							
	STD	00500	10.71	35.33	27.10	00.605	1501.6							
	STD	00600	09.18	35.14	27.22	00.709	1497.4							
18.3	OBS	T00641	08.60	35.082	27.27		1495.9							
	STD	00700	07.69	35.04	27.37	00.860	1493.3							
	STD	00800	06.45	35.00	27.51	00.877	1490.1							
18.3	OBS	C0856	05.92	34.982	27.57		1486.9							
	STD	00900	05.71	34.98	27.60	00.943	1488.7							
	STD	01000	05.27	34.98	27.65	01.002	1486.6							
18.3	OBS	T01072	04.99	34.985	27.65		1488.7							
18.3	OBS	T01670	03.98	34.929	27.75		1494.7							

TABLE XII.—Observed and interpolated oceanographic data for stations taken by USCGC HALF-MOON at Ocean Station DELTA, 29 May—19 June 1969, prepared from NODC listing No. 31-1450 HM.—Continued

REFID 31 1450	YEAR 1969	BOTDP 04572	AIR TEMP 17.2	DIR HGT PER	WIND-DIR 34	INST NANSEN CAST	TEN SQ 1306
CONSEC 0011	MONTH 06	SHIP HM	WET BULB 16.7	23 2 3	WIND-SPD 05	TRACE DIR	5 SQUARE 1
LAT 44 00 N	DAY 11	DATA USE 1	BAROMETR 1027.5	SEA	WIND-FDR	DURATION	2 SQUARE 40
LONG 041 00 W	HOUR 12.8	AREA 05	CLOUD T/A 8/8	CL/TR	WEATHER X2	DRIG D34 C11	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYN DPTH	SND VEL	OXYG	PC4	TGT P	NO2	NO3	SID3	PH
12.8	STD	00000	14.07	35.45	26.54	00.300	1505.0							
	DBS	00000	14.07	35.448	26.54		1505.0							
	STD	00010	15.01	35.72	26.54	00.015	1508.5							
	STD	00020	15.64	35.92	26.56	00.030	1510.9							
12.8	DBS	00023	15.77	35.976	26.57		1511.4							
	STD	00030	15.80	36.06	26.63	00.044	1511.7							
12.8	DBS	00047	15.82	36.195	26.72		1512.2							
	STD	00050	15.80	36.20	26.74	00.072	1512.2							
12.8	DBS	00071	15.70	36.214	26.77		1512.2							
	STD	00075	15.59	36.19	26.77	00.105	1511.9							
12.8	DBS	00095	15.24	36.118	26.80		1511.1							
	STD	00100	15.24	36.13	26.81	00.137	1511.2							
12.8	DBS	00118	15.24	36.151	26.82		1511.5							
	STD	00125	15.21	36.14	26.82	00.169	1511.5							
12.8	DBS	00142	15.13	36.127	26.83		1511.5							
	STD	00150	15.08	36.12	26.83	00.201	1511.5							
12.8	DBS	T00189	14.85	36.073	26.85		1511.5							
	STD	00200	14.78	36.06	26.86	00.264	1511.3							
	STD	00250	14.49	36.01	26.88	00.327	1511.1							
12.8	DBS	00283	14.34	35.985	26.89		1511.1							
	STD	00300	14.32	35.98	26.89	00.390	1511.3							
12.8	DBS	T00379	14.06	35.924	26.91		1511.7							
	STD	00400	13.99	35.90	26.90	00.517	1511.8							
	STD	00500	13.25	35.75	26.94	00.644	1510.8							
12.8	DBS	00560	12.45	35.620	27.00		1509.0							
	STD	00600	11.53	35.52	27.10	00.763	1506.4							
	STD	00700	09.42	35.21	27.24	00.868	1500.1							
12.8	DBS	00742	08.62	35.063	27.25		1497.6							
	STD	00800	07.54											
	STD	00900	06.02											
12.8	DBS	T00917	05.80											
12.8	DBS	T01391	04.56											

REFID 31 1450	YEAR 1969	BOTDP 04572	AIR TEMP 16.1	DIR HGT PER	WIND-DIR 14	INST NANSEN CAST	TEN SQ 1306
CONSEC 0012	MONTH 06	SHIP HM	WET BULB 15.6	22 1 2	WIND-SPD 10	TRACE DIR	5 SQUARE 1
LAT 44 00 N	DAY 12	DATA USE 1	BAROMETR 1032.0	SEA	WIND-FDR	DURATION	2 SQUARE 40
LONG 041 00 W	HOUR 12.6	AREA 05	CLOUD T/A X/9	CL/TR	WEATHER X4	DRIG 034 C12	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYN DPTH	SND VEL	OXYG	PC4	TGT P	NO2	NO3	SID3	PH
12.6	STD	00000	15.87	35.54	26.21	00.000	1510.8							
	DBS	00000	15.87	35.543	26.21		1510.8							
	STD	00010	16.15	35.92	26.44	00.017	1512.3							
	STD	00020	16.32	36.17	26.59	00.032	1513.3							
12.6	DBS	00024	16.36	36.243	26.64		1513.5							
	STD	00030	16.34	36.24	26.64	00.046	1513.6							
12.6	DBS	00049	16.21	36.238	26.67		1513.5							
	STD	00050	16.19	36.24	26.67	00.075	1513.4							
12.6	DBS	00073	15.88	36.212	26.72		1512.8							
	STD	00075	15.86	36.21	26.73	00.109	1512.8							
12.6	DBS	00098	15.65											
	STD	00100	15.63	36.19	26.76	00.142	1512.5							
12.6	DBS	00122	15.41	36.171	26.80		1512.1							
	STD	00125	15.38	36.16	26.80	00.175	1512.1							
12.6	DBS	00146	15.19	36.117	26.81		1511.8							
	STD	00150	15.17	36.11	26.81	00.207	1511.7							
12.6	DBS	T00193	14.93	36.081	26.84		1511.7							
	STD	00200	14.89	36.08	26.84	00.272	1511.6							
	STD	00250	14.62	36.05	26.88	00.335	1511.6							
12.6	DBS	00292	14.43	36.019	26.90		1511.6							
	STD	00300	14.40	36.01	26.90	00.398	1511.7							
12.6	DBS	T00389	14.12	35.956	26.92		1512.1							
12.6	DBS	T00593	10.77	35.311	27.08		1503.3							
	STD	00600	10.61	35.30	27.10		1502.8							
	STD	00700	08.54	35.13	27.31		1496.7							
12.6	DBS	00786	07.19	35.038	27.44		1492.8							
	STD	00800	07.05	35.04	27.46		1492.5							
	STD	00900	06.14	35.03	27.58		1490.5							
12.6	DBS	T00975	05.58	35.020	27.64		1489.5							
12.6	DBS	01475	04.36	34.956	27.73		1492.8							

TABLE XII.—Observed and interpolated oceanographic data for stations taken by USCGC HALF-MOON at Ocean Station DELTA, 29 May–19 June 1969, prepared from NODC listing No. 31–1450 HM.—Continued

REFID	31	1450	YEAR	1969	80TOP	04572	AIR TEMP	16.7	DIR HGT	PER	WIND-DIR	25	INST NANSEN	CAST	TEN SQ	1306
CONSEC	0013		MONTH	06	SHIP HM		WET BULB	15.8		25 2 2	WIND-SPD	12	TRACE DIR		5 SQUARE	1
LAT	44	00	N	DAY	13	DATA USE	1	BAROMETR	1018.0	SEA	WIND-FDR		DURATION		2 SQUARE	40
LONG	041	00	W	HOUR	12.5	AREA	05	CLOUD T/A	X/Y	CL/TR	WEATHER	X4	GRIG 034	013	1 SQUARE	41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	15.58	35.55	26.25	00.000	1509.9							
12.5	085	00000	15.58	35.552	26.29		1509.9							
	STD	00010	15.57	35.64	26.25		1510.1							
	STD	00020	15.55	35.75	26.45	00.033	1510.4							
12.5	085	CC024	15.55	35.806	26.49		1510.5							
	STD	00030	15.57	35.95	26.59	00.046	1510.9							
12.5	085	00048		36.227										
	STD	00050	15.66	36.23	26.79	00.076	1511.8							
12.5	085	00072	15.75	36.219	26.76		1512.4							
	STD	00075	15.71	36.22	26.77	00.108	1512.3							
12.5	085	00096	15.49	36.218	26.82		1512.0							
	STD	00100	15.49	36.22	26.82	00.141	1512.1							
12.5	085	CC120	15.42	36.206	26.82		1512.2							
	STD	00125	15.38	36.20	26.83	00.172	1512.1							
12.5	085	CC144	15.23	36.166	26.84		1511.9							
	STD	00150	15.21	36.16	26.64	00.204	1511.9							
12.5	085	T00192	15.00	36.104	26.84		1511.9							
	STD	00200	14.89	36.08	26.85	00.268	1511.7							
	STD	00250	14.38	35.97	26.88	00.321	1510.7							
12.5	085	00286	14.19	35.942	26.89		1510.7							
	STD	00300	14.28	35.97	26.89	00.394	1511.2							
12.5	085	T00378	14.38	36.026	26.92		1511.9							
	STD	00400	14.17	35.96	26.91	00.520	1512.5							
	STD	00500	12.88	35.68	26.96	00.646	1509.5							
12.5	085	T00563	11.81	35.511	27.04		1506.7							
	STD	00600	10.77	35.39	27.14	00.761	1503.5							
	STD	00700	08.45	35.15	27.34	00.859	1496.4							
12.5	085	0074C	07.72	35.087	27.40		1494.1							
	STD	00800	06.98	35.05	27.48	00.939	1492.2							
	STD	00900	05.95	35.01	27.59	01.008	1489.7							
12.5	085	T00913	05.83	35.003	27.60		1489.5							
12.5	085	T01406	04.56	35.021	27.76		1492.6							

REFID	31	1450	YEAR	1969	80TOP	04572	AIR TEMP	15.6	DIP HGT	PER	WIND-DIR	09	INST NANSEN	CAST	TEN SQ	1306
CONSEC	0014		MONTH	06	SHIP HM		WET BULB	13.3		01 2 4	WIND-SPD	12	TRACE DIR		5 SQUARE	1
LAT	44	00	N	DAY	14	DATA USE	1	BAROMETR	1024.8	SEA	WIND-FDR		DURATION		2 SQUARE	40
LONG	041	00	W	HOUR	12.9	AREA	05	CLOUD T/A	B/C	CL/TR	WEATHER	X1	GRIG 034	C14	1 SQUARE	41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	14.80	34.75	25.84	00.000	1506.4							
12.9	085	00000	14.80	34.748	25.84		1506.4							
	STD	00010	15.01	35.32	26.24	00.019	1508.0							
	STD	00020	15.18	35.74	26.52	00.036	1509.2							
12.9	085	00026	15.25	35.906	26.63		1509.7							
	STD	00030	15.27	35.92	26.64	00.051	1509.9							
	STD	00050	15.36	35.98	26.66	00.079	1510.5							
12.9	085	00051	15.36	35.980	26.66		1510.6							
	STD	00075	14.95	35.98	26.75	00.113	1509.7							
12.9	085	00078	14.89	35.975	26.76		1509.5							
	STD	00100	14.28	35.88	26.82	00.145	1507.8							
12.9	085	CC103	14.23	35.869	26.83		1507.7							
	STD	00125	14.08	35.87	26.86	00.177	1507.6							
12.9	085	0013C	14.05	35.875	26.87		1507.6							
	STD	00150	13.98	35.85	26.87	00.208	1507.6							
12.9	085	00157	13.96	35.846	26.87		1507.7							
	STD	00200	13.81	35.84	26.85	00.249	1507.9							
12.9	085	T00209	13.78	35.836	26.90		1507.9							
	STD	00250	13.53	35.78	26.91	00.331	1507.7							
	STD	00300	13.30	35.74	26.92	00.352	1507.7							
12.9	085	00317	13.25	35.735	26.93		1507.8							
	STD	00400	13.18	35.78	26.98	00.513	1509.0							
12.9	085	T00425	13.16	35.794	26.99		1509.4							
	STD	00500	11.37	35.48	27.10	00.628	1504.1							
	STD	00600	09.39	35.19	27.22	00.722	1498.3							
12.9	085	T00650	08.57	35.110	27.29		1495.9							
	STD	00700	08.04	35.13	27.39	00.822	1494.8							
	STD	00800	07.02	35.18	27.58	00.896	1492.5							
12.9	085	00866	06.37	35.208	27.69		1491.1							
	STD	00900	05.99	35.16	27.70	00.954	1490.1							
	STD	01000	05.00	35.05	27.74	01.005	1487.6							
12.9	085	T01096	04.26	34.966	27.75		1486.0							
12.9	085	T01648	03.89	34.951	27.78		1493.8							

TABLE XII.—Observed and interpolated oceanographic data for stations taken by USCGC HALF-MOON at Ocean Station DELTA, 29 May–19 June 1969, prepared from NODC listing No. 31-1450 HM.—Continued

REFID	31	1450	YEAR	1969	BDTOP	04572	AIR TEMP	16.3	DIR HGT PER		WIND-DIP		INST NANSEN	CAST	TEN SQ	1306
CDNSEC		0015	MONTH	06	SHIP HM		WET BULB	16.1	15 1 3		WIND-SPD		TRACE DIR		5 SQUARE	1
LAT	44	00	N	DAY	15	DATA USE	1	BAROMETR	1017.6	SEA		WIND-FOR		DURATION	2 SQUARE	40
LONG	041	00	W	HOUR	12.8	AREA	05	CLOUD T/A	X/9	CL/TR		WEATHER	X4	ORIG 034 015	1 SQUARE	41

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DXYG	PJ4	TCT P	NO2	NO3	S103	PH
	STD	00000	14.45	34.65	25.84	00.000	1505.2							
12.8	0BS	00000	14.45	34.651	25.84		1505.2							
	STD	00010	15.00											
	STD	00020	15.45											
12.8	0BS	00023	15.56											
	STD	00030	15.81											
12.8	0BS	00046	16.12											
	STD	00050	16.10											
12.8	0BS	00070	15.92											
	STD	00075	15.84											
12.8	0BS	00094	15.58											
	STD	00100	15.59											
12.8	0BS	00117	15.39											
	STD	00125	15.26											
12.8	0BS	00140	15.00											
	STD	00150	14.77											
12.8	0BS	T00187	14.05											
	STD	00200	13.92											
	STD	00250	13.51											
12.8	0BS	00285	13.29											
	STD	00300	13.28											
12.8	0BS	T00384	12.98											
	STD	00400	12.84											
	STD	00500	11.79											
12.8	0BS	T00582	10.70											
	STD	00600	10.34											
	STD	00700	08.53											
12.8	0BS	00774	07.38											
	STD	00800	07.02											
	STD	00900	05.80											
12.8	0BS	T00967	05.14											
12.8	0BS	T01476	04.08	34.947	27.76		1491.6							

REFID	31	1450	YEAR	1969	BDTOP	04572	AIR TEMP	16.5	DIR HGT PER		WIND-DIP	23	INST NANSEN	CAST	TEN SQ	1306
CDNSEC		0016	MONTH	06	SHIP HM		WET BULB	15.6	27 0 3		WIND-SPD	11	TRACE DIR		5 SQUARE	1
LAT	44	00	N	DAY	16	DATA USE	1	BAROMETR	1017.2	SEA		WIND-FOR		DURATION	2 SQUARE	40
LONG	041	00	W	HOUR	12.7	AREA	05	CLOUD T/A	X/9	CL/TR		WEATHER	X4	ORIG 034 016	1 SQUARE	41

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DXYG	PJ4	TCT P	NO2	NO3	S103	PH
	STD	00000	14.96	34.78	25.83	00.000	1507.0							
12.7	0BS	00000	14.96	34.784	25.83		1507.0							
	STD	00010	15.07											
	STD	00020	15.24											
12.7	0BS	00023	15.30											
	STD	00030	15.60											
12.7	0BS	00047	15.97											
	STD	00050	15.92											
12.7	0BS	00070	15.65											
	STD	00075	15.60											
12.7	0BS	00094	15.39											
	STD	00100	15.29											
12.7	0BS	00117	15.08											
	STD	00125	15.04											
12.7	0BS	00141	14.94											
	STD	00150	14.86											
12.7	0BS	T00188	14.58											
	STD	00200	14.55											
	STD	00250	14.38											
12.7	0BS	00286	14.20											
	STD	00300	14.12											
12.7	0BS	T00385	13.46											
	STD	00400	13.29											
	STD	00500	12.03											
12.7	0BS	T00582	10.81											
	STD	00600	10.41											
	STD	00700	08.45											
12.7	0BS	00778	07.25											
	STD	00800	07.02											
	STD	00900	06.08											
12.7	0BS	T00972	05.52											
12.7	0BS	T01475	04.12	34.958	27.76		1491.8							
	STD	01500	04.10	34.96	27.76		1492.1							
	STD	01750	03.92	34.95	27.77		1495.6							
	STD	02000	03.75	34.94	27.79		1499.1							
14.9	0BS	T02062	03.71	34.939	27.79		1500.0							
	STD	02500	03.47	34.94	27.82		1506.5							
14.9	0BS	T02588	03.42	34.945	27.82		1507.8							
	STD	03000	03.12	34.94	27.85		1513.6							
14.9	0BS	03125	03.03	34.943	27.86		1515.4							
14.9	0BS	T03672	02.65	34.924	27.88		1523.3							
	STD	04000	02.48	34.91	27.88		1528.4							
14.9	0BS	04220	02.40	34.906	27.88		1531.9							

TABLE XII.—Observed and interpolated oceanographic data for stations taken by USCGC HALF-MOON at Ocean Station DELTA, 29 May–19 June 1969, prepared from NODC listing No. 31–1450 HM.—Continued

REF10 31 1450 YEAR 1969 BOTOP 04572 AIR TEMP 15.7 DIP HGT PER WIND-OIR 34 INST NANSEN CAST TEN SQ 1306
 CONSEC 0017 MONTH 06 SHIP HM WET BULB 15.5 26 1 2 WIND-SPD 12 TRACE OIR 5 SQUARE 1
 LAT 44 00 N DAY 17 DATA USE 1 BAROMETR 1022.8 SEA CL/TR WIND-FOF 4 DURATION 2 SQUARE 40
 LONG 041 00 W HCUR 12.6 AREA 05 CLCUO T/A X/5 WEATHER X4 ORIG D34 017 1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.6	STD	00000	15.87	35.87	26.47	00.000	1511.2							
	085	00000	15.87	35.874	26.47		1511.2							
	STD	00010	15.42	35.91	26.60	00.015	1510.0							
	STD	00020	15.03	35.93	26.70	00.029	1509.0							
12.6	085	00024	14.90	35.932	26.73		1508.6							
	STD	00030	14.70	35.92	26.77	00.042	1508.1							
12.6	085	00048	14.32	35.908	26.84		1507.1							
	STD	00050	14.32	35.91	26.84	00.067	1507.2							
12.6	085	00072	14.28	35.897	26.84		1507.4							
	STD	00075	14.27	35.90	26.84	00.098	1507.4							
12.6	085	00096	14.20	35.916	26.87		1507.5							
	STD	00100	14.19	35.92	26.87	00.129	1507.6							
12.6	085	00120	14.10	35.919	26.89		1507.6							
	STD	00125	14.07	35.91	26.90	00.159	1507.6							
12.6	085	00145	13.96	35.900	26.91		1507.5							
	STD	00150	13.94	35.90	26.91	00.189	1507.5							
12.6	085	T00192	13.77	35.885	26.94		1507.7							
	STD	00200	13.76	35.88	26.94	00.249	1507.8							
	STD	00250	13.67	35.87	26.95	00.308	1508.3							
12.6	085	00290	13.55	35.850	26.96		1508.5							
	STD	00300	13.53	35.84	26.95	00.368	1508.6							
12.6	085	T00389	13.08	35.752	26.98		1508.5							
	STD	00400	12.92	35.72	26.98	00.487	1508.1							
	STD	00500	11.46	35.45	27.06	00.603	1504.4							
12.6	085	T00585	10.15	35.276	27.16		1506.9							
	STD	00600	09.86	35.25	27.19	00.711	1500.0							
	STD	00700	08.11	35.11	27.36	00.804	1495.0							
12.6	085	00772	07.09	35.037	27.46		1492.2							
	STD	00800	06.79	35.03	27.49	00.883	1491.4							
	STD	00900	05.83	35.00	27.60	00.951	1489.3							
12.6	085	T00964	05.32	34.985	27.65		1488.2							
12.6	085	T01482	04.14	34.962	27.76		1492.0							

REF10 31 1450 YEAR 1969 BOTOP 04572 AIR TEMP 17.1 DIP HGT PER WIND-OIR 24 INST NANSEN CAST TEN SQ 1306
 CONSEC 0018 MONTH 06 SHIP HM WET BULB 16.1 22 1 2 WIND-SPD 16 TRACE OIR 5 SQUARE 1
 LAT 44 00 N DAY 16 DATA USE 1 BAROMETR 1024.7 SEA CL/TR WIND-FOF 4 DURATION 2 SQUARE 40
 LONG 041 00 W HCUR 12.8 AREA 05 CLCUO T/A 7/6 WEATHER X2 ORIG 034 C18 1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.8	STD	00000	15.08	35.45	26.32	00.000	1508.2							
	085	00000	15.08	35.455	26.32		1508.2							
	STD	00010	15.11	35.45	26.31	00.017	1508.4							
	STD	00020	15.14	35.44	26.29	00.034	1508.7							
12.8	085	00024	15.15											
	STD	00030	15.17	35.43	26.28	00.052	1506.9							
12.8	085	00048		35.408										
	STD	00050	15.23	35.49	26.32	00.086	1509.5							
12.8	085	00072	15.29	36.011	26.70		1510.7							
	STD	00075	15.08	35.97	26.71	00.125	1510.1							
12.8	085	00096	14.21	35.786	26.77		1507.4							
	STD	00100	14.27	35.81	26.77	00.159	1507.7							
12.8	085	00120	14.41	35.874	26.79		1508.0							
	STD	00125	14.36	35.87	26.60	00.191	1508.5							
12.8	085	00145	14.24	35.860	26.82		1508.4							
	STD	00150	14.29	35.88	26.82	00.223	1508.7							
12.8	085	T00192	14.56	35.996	26.85		1510.4							
	STD	00200	14.52	35.99	26.86	00.287	1510.4							
	STD	00250	14.30	35.96	26.88	00.350	1510.4							
12.8	085	00291	14.12	35.934	26.90		1510.5							
	STD	00300	14.10	35.93	26.90	00.412	1510.6							
12.8	085	T00389	13.69	35.846	26.92		1510.6							
12.8	085	T00597	11.02	35.309	27.10		1504.4							
	STD	00600	10.95	35.39	27.11		1504.2							
	STD	00700	08.83	35.17	27.30		1497.8							
12.8	085	00795	07.24	35.026	27.43		1493.1							
	STD	00800	07.18	35.02	27.43		1493.0							
	STD	00900	06.10	34.99	27.55		1490.3							
	STD	01000	05.22	34.96	27.64		1488.4							
12.8	085	T01002	05.20	34.964	27.64		1488.3							
12.8	085	T01545	04.01	34.940	27.76		1492.5							

TABLE XII.—Observed and interpolated oceanographic data for stations taken by USCGC HALF-MOON at Ocean Station DELTA, 29 May–19 June 1969, prepared from NODC listing No. 31-1450 HM.—Continued

REFID 31 1450	YEAR 1969	BOTDP 04572	AIR TEMP 18.4	OIR HGT PER	WIND-DIR 24	INST NANSEN CAST	TEN SQ 1306
CONSEC 0019	MONTH 06	SHIP HM	WET BULB 17.3	25 0 3	WIND-SPD 10	TRACE OIR	5 SQUARE 1
LAT 44 00 N	DAY 19	DATA USE 1	BAROMETR 1026.2	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 041 00 W	HOUR 12.5	AREA 05	CLOUD T/A X/9	CL/TR	WEATHER X4	ORIG 034 019	1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	STD	00000	16.34	35.54	26.10	00.000	1512.2							
	08S	00000	16.34	35.541	26.10		1512.2							
	STO	00010	15.95	35.70	26.32	00.018	1511.4							
	STO	00020	15.57	35.82	26.49	00.034	1510.5							
12.5	08S	00022	15.49	35.833	26.52		1510.3							
	STO	00030	15.13	35.86	26.63	00.049	1509.3							
12.5	08S	00047	14.52	35.890	26.76		1507.7							
	STO	00050	14.43	35.88	26.75	00.076	1507.5							
12.5	08S	00070	14.06	35.842	26.84		1506.6							
	STO	00075	14.11	35.86	26.85	00.108	1506.8							
12.5	08S	00094	14.22	35.911	26.86		1507.6							
	STO	00100	14.21	35.92	26.87	00.138	1507.7							
12.5	08S	00116	14.20	35.928	26.88		1507.9							
	STO	00125	14.16	35.92	26.88	00.169	1507.9							
12.5	08S	00140	14.08	35.914	26.89		1507.9							
	STO	00150	14.02	35.90	26.90	00.199	1507.6							
12.5	08S	T00166	13.83	35.873	26.91		1507.8							
	STO	C0200	13.79	35.87	26.92	00.259	1507.9							
	STO	00250	13.69	35.87	26.94	00.319	1508.3							
12.5	08S	00280	13.65	35.872	26.95		1508.7							
	STO	00300	13.65	35.87	26.95	00.379	1509.0							
12.5	08S	T00377	13.63	35.873	26.96		1510.2							
	STO	00400	13.41	35.82	26.96	00.459	1509.8							
	STO	00500	12.26	35.59	27.01	00.620	1507.3							
12.5	08S	TC0565	11.32	35.449	27.08		1505.0							
	STO	00600	10.59	35.37	27.16	00.732	1502.9							
	STO	00700	08.70	35.18	27.32	00.829	1497.3							
12.5	08S	00750	07.86	35.110	27.40		1494.9							
	STO	00800	07.07	35.06	27.48	00.911	1492.6							
	STO	00900	05.74	34.99	27.60	00.979	1488.9							
12.5	08S	T00932	05.38	34.967	27.63		1487.9							
12.5	08S	T01425	03.99	34.922	27.75		1490.4							
	STO	C1500	03.96	34.92	27.75		1491.5							
	STO	01750	03.84	34.93	27.77		1495.3							
	STO	02000	03.72	34.93	27.78		1499.0							
14.5	08S	T02009	03.72	34.934	27.78		1499.1							
	STO	02500	03.47	34.94	27.81		1506.5							
14.5	08S	TC2531	03.45	34.937	27.81		1506.9							
	STO	03000	03.08	34.94	27.85		1513.5							
14.5	08S	03058	03.04	34.935	27.85		1514.3							
14.5	08S	T03601	02.64	34.924	27.88		1522.0							
	STO	04000	02.45	34.91	27.88		1528.2							
14.5	08S	C4146	02.41	34.904	27.88		1530.6							

TABLE XIII.—Observed and interpolated oceanographic data for stations taken by USCGC BIBB at Ocean Station DELTA, 21 June–11 July 1969, prepared from NODC listing No. 81–1482 BX.

REFID	31	1482	YEAR	1969	BTOP	04938	AIR TEMP	20.0	OIR	HGT	PER	WIND-OIR	23	INST	NANSEN	CAST	TEN	SQ	1306	
CONSEC		0001	MONTH	06	SHIP	8X	WET BULB	19.4		23	2	2	2	TRACE	OIR			5	SQUARE	1
LAT	43	58.0N	DAY	21	DATA	USE	1	BAROMETR	1022.7	SEA		WIND-FDR		DURATION				2	SQUARE	20
LONG	041	09.0W	HOUR	17.9	AREA	05	CLOUD	T/A	7/8	CL/TR		WEATHER	X4	ORIG	D35	001		1	SQUARE	31

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SND VEL	OXYG	P04	TOT P	ND2	ND3	SI03	PH
	STD	00000	16.75	35.50	25.97	00.000	1513.4							
17.9	OBS	00000	16.75	35.497	25.97		1513.4							
	STD	00010	16.32	35.50	26.08	00.019	1512.3							
	STD	00020	15.89	35.50	26.18	00.038	1511.1							
17.9	OBS	00027	15.58	35.507	26.25		1510.3							
	STD	00030	15.39	35.57	26.34	00.056	1509.8							
	STD	00050	14.51	35.85	26.75	00.087	1507.7							
17.9	OBS	00052	14.46	35.867	26.78		1507.6							
	STD	00075	14.37	35.89	26.81	00.119	1507.7							
17.9	OBS	00079	14.35	35.889	26.82		1507.7							
	STD	00100	14.15	35.66	26.64	00.150	1507.4							
17.9	OBS	00105	14.13	35.861	26.84		1507.4							
	STD	00125	14.14	35.87	26.85	00.182	1507.8							
17.9	OBS	00131	14.14	35.878	26.85		1507.9							
	STD	00150	14.25	35.91	26.86	00.213	1508.6							
17.9	OBS	00158	14.25	35.915	26.86		1508.7							
	STD	00200	13.72	35.79	26.86	00.275	1507.5							
17.9	OBS	T00211	13.62	35.772	26.88		1507.3							
	STD	00250	13.43	35.76	26.91	00.337	1507.4							
	STD	00300	13.32	35.75	26.93	00.398	1507.8							
17.9	OBS	00313	13.32	35.751	26.93		1508.0							
	STD	00400	13.57	35.85	26.95	00.520	1510.4							
17.9	OBS	T00413	13.61	35.868	26.96		1510.8							
	STD	00500	11.87	35.55	27.06	00.638	1505.9							
	STD	00600	09.89	35.26	27.19	00.746	1500.2							
17.9	OBS	T00622	09.46	35.205	27.22		1498.9							
	STD	00700	07.56	35.05	27.40	00.837	1492.8							
	STD	00800	05.89	34.93	27.53	00.912	1487.7							
17.9	OBS	00816	05.70	34.922	27.55		1487.2							
	STD	00900	05.45	34.97	27.62	00.975	1487.7							
	STD	01000	05.18	35.01	27.68	01.032	1488.3							
17.9	OBS	T01010	05.15	35.012	27.69		1488.3							
17.9	OBS	T01563	04.07	34.954	27.76		1493.1							

REFID	31	1482	YEAR	1969	BTOP	04846	AIR TEMP	20.0	OIR	HGT	PER	WIND-OIR	24	INST	NANSEN	CAST	TEN	SQ	1306	
CONSEC		0002	MONTH	06	SHIP	8X	WET BULB	19.4		25	2	2	2	TRACE	OIR			5	SQUARE	1
LAT	43	55.0N	DAY	22	DATA	USE	1	BAROMETR	1020.0	SEA		WIND-FDR		DURATION				2	SQUARE	20
LONG	040	53.0W	HOUR	13.7	AREA	05	CLOUD	T/A	7/8	CL/TR		WEATHER	X4	ORIG	D35	002		1	SQUARE	30

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SND VEL	OXYG	P04	TCT P	ND2	ND3	SI03	PH
	STD	00000	15.58	34.83	25.73	00.000	1509.0							
13.7	OBS	00000	15.58	34.834	25.73		1509.0							
	STD	00010	15.38	35.24	26.09	00.021	1509.0							
	STD	00020	15.18	35.54	26.37	00.039	1509.0							
13.7	OBS	00027	15.04	35.694	26.52		1508.8							
	STD	00030	14.96	35.72	26.55	00.055	1508.6							
	STD	00050	14.55	35.83	26.73	00.083	1507.8							
13.7	OBS	00053	14.51	35.843	26.75		1507.7							
	STD	00075	14.34	35.88	26.81	00.116	1507.6							
13.7	OBS	00080	14.31	35.882	26.82		1507.6							
	STD	00100	14.27	35.89	26.84	00.147	1507.8							
13.7	OBS	00106	14.26	35.895	26.84		1507.9							
	STD	00125	14.23	35.89	26.84	00.178	1508.1							
13.7	OBS	00133	14.22	35.861	26.85		1508.2							
	STD	00150	14.29	35.91	26.85	00.210	1508.7							
13.7	OBS	00160	14.33	35.924	26.85		1509.0							
	STD	00200	14.41	35.98	26.88	00.272	1510.0							
13.7	OBS	T00212	14.44	35.990	26.87		1510.3							
	STD	00250	14.10	35.91	26.89	00.335	1509.7							
	STD	00300	13.66	35.81	26.90	00.397	1509.0							
13.7	OBS	00316	13.53	35.783	26.91		1508.8							
	STD	00400	12.91	35.65	26.94	00.521	1507.9							
13.7	OBS	T00415	12.75	35.627	26.95		1507.6							
	STD	00500	11.20	35.39	27.06	00.639	1503.4							
	STD	00600	09.56	35.19	27.19	00.746	1498.9							
13.7	OBS	T00621	09.24	35.159	27.22		1498.0							
	STD	00700	08.10	35.11	27.36	00.839	1495.0							
	STD	00800	06.89	35.06	27.50	00.918	1491.9							
13.7	OBS	00826	06.62	35.045	27.53		1491.2							
	STD	00900	06.00	35.02	27.59	00.985	1490.0							
	STD	01000	05.29	34.99	27.66	01.046	1488.7							
13.7	OBS	T01030	05.10	34.984	27.67		1488.4							
13.7	OBS	T01573	03.98	34.924	27.75		1492.8							

TABLE XIII.—Observed and interpolated oceanographic data for stations taken by USCGC BIBB at Ocean Station DELTA, 21 June–11 July 1969, prepared from NODC listing No. 31–1482 BX.—Continued

REFID 31 1482 YEAR 1969 BOTOP 04846 AIP TEMP 20.0 OIF HGT PER WIND-OIF 24 INST NANSEN CAST TEN SQ 1306
 CONSEC 0003 MONTH 06 SHIP 6X WET BULB 19.4 26 1 2 WIND-SPD 09 TRACE OIR 5 SQUARE 1
 LAT 43 57 N DAY 23 DATA USE 1 BAROMETR 1021.5 SEA WIND-FOR DURATION 2 SQUARE 2C
 LONG 040 55 W HOUR 12.4 AREA 05 CLCUD T/A 7/6 CL/TR WEATHER X4 ORIG 035 003 1 SQUARE 30

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STO	0000	16.78	35.17	25.72	00.000	1513.1							
12.4	OBS	0000	16.78	35.173	25.72		1513.1							
	STO	00010	16.63	35.54	26.03	00.021	1513.3							
	STO	00020	16.52	35.83	26.28	00.040	1513.4							
12.4	OBS	00023	16.49	35.901	26.34		1513.5							
	STO	00030	16.45	36.05	26.47	00.050	1513.7							
12.4	OBS	00046	16.36	36.252	26.64		1513.9							
	STO	00050	16.25	36.24	26.66	00.086	1513.6							
12.4	OBS	00068	15.85	36.184	26.71		1512.6							
	STO	00075	15.77	36.18	26.72	00.121	1512.5							
12.4	OBS	00091	15.60	36.169	26.76		1512.2							
	STO	00100	15.52	36.17	26.77	00.154	1512.1							
12.4	OBS	00113	15.41	36.168	26.80		1512.0							
	STO	00125	15.32	36.16	26.81	00.187	1511.9							
12.4	OBS	00135	15.24	36.145	26.82		1511.8							
	STO	00150	15.13	36.12	26.82	00.219	1511.6							
12.4	OBS	T00181	14.92	36.060	26.83		1511.4							
	STO	00200	14.79	36.04	26.84	00.283	1511.3							
	STO	00250	14.50	36.00	26.87	00.347	1511.1							
12.4	OBS	00266	14.43	35.984	26.87		1511.1							
	STO	00300	14.40	35.98	26.88	00.410	1511.6							
12.4	OBS	T00351	14.20	35.945	26.89		1511.8							
	STO	00400	13.79	35.85	26.90	00.537	1511.1							
	STO	00500	12.61	35.64	26.98	00.662	1508.6							
12.4	OBS	T00523	12.28	35.585	27.01		1507.8							
	STO	00600	10.89	35.39	27.12	00.778	1503.9							
12.4	OBS	00690	09.17	35.206	27.27		1499.0							
	STO	00700	08.92											
	STO	00600	06.73											
12.4	OBS	T00854	05.78											
12.4	OBS	T01315	04.55	34.996	27.74		1491.0							

REFID 31 1482 YEAR 1969 BOTOP C535C AIP TEMP 18.3 OIF HGT PER WIND-OIF 12 INST NANSEN CAST TEN SQ 1306
 CONSEC 0004 MONTH 06 SHIP 8X WET BULB 17.8 12 3 2 WIND-SPD 16 TRACE OIR 5 SQUARE 1
 LAT 43 58.0N DAY 26 DATA USE 1 BAROMETR 1018.6 SEA WIND-FOR DURATION 2 SQUARE 20
 LONG 041 02.0W HOUR 13.0 AREA 05 CLCUD T/A 6/E CL/TR WEATHER X2 ORIG 035 004 1 SQUARE 31

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STO	0000	16.12	35.60	26.20	00.000	1511.6							
13.0	OBS	00000	16.12	35.601	26.20		1511.6							
	STO	00010	16.13	35.61	26.20	00.018	1511.8							
	STO	00020	16.15	35.62	26.20	00.036	1512.0							
	STO	00030	16.16	35.62	26.21	00.054	1512.2							
13.0	OBS	00031	16.16	35.623	26.21		1512.3							
	STO	00050	15.11	35.81	26.59	00.087	1509.6							
13.0	OBS	00061	14.77	35.890	26.73		1508.8							
	STO	00075	14.81	35.98	26.75	00.122	1509.2							
13.0	OBS	00092	14.86	36.031	26.81		1509.7							
	STO	00100	14.74	36.01	26.82	00.154	1509.5							
13.0	OBS	00122	14.53	35.976	26.84		1509.1							
	STO	00125	14.53	35.98	26.85	00.185	1509.1							
	STO	00150	14.49	35.99	26.86	00.217	1509.4							
13.0	OBS	00153	14.48	35.988	26.86		1509.5							
13.0	OBS	00183	14.34	35.965	26.88		1509.5							
	STO	00200	14.34	35.97	26.88	00.279	1509.7							
13.0	OBS	T00246	14.28	35.966	26.90		1510.3							
	STO	T0250	14.24	35.96	26.90	00.341	1510.2							
	STO	00300	13.94	35.91	26.92	00.403	1510.0							
13.0	OBS	00367	13.55	35.832	26.94		1509.8							
	STO	00400	12.87	35.69	26.97	00.525	1507.9							
13.0	OBS	T00486	11.18	35.376	27.05		1503.1							
	STO	00500	10.87	35.34	27.09	00.640	1502.2							
	STO	00600	08.92	35.15	27.27	00.742	1496.5							
	STO	00700	07.35	35.03	27.41	00.828	1492.0							
13.0	OBS	T00739	06.85	34.992	27.45		1490.6							
	STO	00800	06.31	34.99	27.53	00.902	1489.5							
	STO	00900	05.56	34.95	27.63	00.966	1488.1							
13.0	OBS	00981	05.07	34.996	27.69		1487.5							
	STO	01000	05.00	34.99	27.69	01.022	1487.5							
	STO	01100	04.64	34.97	27.72	01.074	1487.7							
	STO	01200	04.34	34.96	27.74	01.124	1488.1							
13.0	OBS	C1228	04.27	34.955	27.74		1488.3							
	STO	01300	04.21	34.95	27.75	01.173	1489.2							
	STO	01400	04.13	34.95	27.75	01.222	1490.6							
	STO	01500	04.05	34.95	27.76	01.271	1491.9							
	STO	01750	03.84	34.94	27.78	01.393	1495.3							
13.0	OBS	T01854	03.76	34.94C	27.76		1496.7							

TABLE XIII.—Observed and interpolated oceanographic data for stations taken by USCGC BIBB at Ocean Station DELTA, 21 June–11 July 1969, prepared from NODC listing No. 31-1482 BX.—Continued

REFID	31	1482	YEAR	1969	BOTDP	05300	AIR TEMP	19.4	DIR HGT	PER	WIND-DIR	21	INST NANSEN	CAST	TEN SQ	1306		
CONSEC		0005	MONTH	06	SHIP BX		WET BULB	18.9	20	3	2	WIND-SPD	22	TRACE DIR		5	SQUARE	1
LAT	44	20	N	DAY	27	DATA USE	1	BAROMETR	1009.8	SEA		WIND-FOR		DURATION		2	SQUARE	40
LONG	041	15	W	HOUR	12.3	AREA	05	CLCUD T/A	6/6	CL/TR		WEATHER	X1	ORIG D35 C05		1	SQUARE	41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
	STD	00000	16.17	35.28	25.94	00.000	1511.4							
12.3	OBS	00000	16.17	35.276	25.94		1511.4							
	STD	00010	16.09	35.28	25.96	00.020	1511.3							
	STD	00020	15.95	35.29	26.00	00.041	1511.0							
12.3	OBS	00026	15.82	35.294	26.03		1510.7							
	STD	00030	15.69	35.42	26.16	00.060	1510.6							
	STD	00050	15.04	35.86	26.64	00.093	1509.4							
12.3	OBS	00051	15.01	35.870	26.66		1509.3							
	STD	00075	14.29	35.89	26.83	00.126	1507.4							
12.3	OBS	00076	14.27	35.889	26.83		1507.4							
	STD	00100	14.25	35.91	26.85	00.158	1507.8							
12.3	OBS	00101	14.25	35.906	26.85		1507.8							
	STD	00125	14.23	35.93	26.87	00.188	1508.1							
12.3	OBS	00127	14.23	35.929	26.87		1508.2							
	STD	00150	14.20	35.93	26.88	00.219	1508.4							
12.3	OBS	00153	14.19	35.935	26.89		1508.5							
	STD	00200	13.95	35.90	26.91	00.280	1508.4							
12.3	OBS	T00204	13.93	35.893	26.91		1508.4							
	STD	00250	13.56	35.80	26.91	00.341	1507.8							
	STD	00300	13.20	35.72	26.93	00.402	1507.4							
12.3	OBS	00305	13.17	35.716	26.93		1507.3							
	STD	00400	12.61	35.64	26.98	00.522	1506.9							
12.3	OBS	T00403	12.58	35.632	26.98		1506.9							
	STD	00500	10.48	35.34	27.15	00.634	1500.8							
	STD	00600	08.61	35.13	27.30	00.730	1495.3							
12.3	OBS	T00611	08.42	35.108	27.31		1494.7							
	STD	00700	06.97	35.03	27.46	00.812	1490.5							
	STD	00800	05.75	34.97	27.58	00.881	1487.2							
12.3	OBS	00818	05.58	34.959	27.59		1486.8							
	STD	00900	05.16	34.96	27.65	00.940	1486.5							
	STD	01000	04.73	34.96	27.70	00.994	1486.4							
12.3	OBS	T01026	04.63	34.960	27.71		1486.4							
12.3	OBS	T01560	03.89	34.934	27.77		1492.2							

REFID	31	1482	YEAR	1969	BOTDP	04846	AIR TEMP	17.2	DIR HGT	PER	WIND-DIR	32	INST NANSEN	CAST	TEN SQ	1306		
CONSEC		0006	MONTH	06	SHIP BX		WET BULB	16.1	32	2	3	WIND-SPD	15	TRACE DIR		5	SQUARE	1
LAT	43	55	N	DAY	28	DATA USE	1	BAROMETR	1012.5	SEA		WIND-FOR		DURATION		2	SQUARE	20
LONG	041	00	W	HOUR	12.7	AREA	05	CLCUD T/A	6/8	CL/TR		WEATHER	X2	ORIG D35 006		1	SQUARE	31

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STD	00000	16.96	35.77	26.13	00.000	1514.4							
12.7	OBS	00000	16.96	35.767	26.13		1514.4							
	STD	00010	16.97	35.77	26.13	00.018	1514.5							
	STD	00020	16.97	35.78	26.14	00.037	1514.7							
12.7	OBS	00028	16.98	35.804	26.15		1514.9							
	STD	00030	16.96	35.82	26.17	00.056	1514.9							
	STD	00050	16.48	35.92	26.36	00.092	1513.9							
12.7	OBS	00055	16.30	35.933	26.41		1513.5							
	STD	00075	15.10	35.92	26.67	00.130	1510.1							
12.7	OBS	00083	14.80	35.917	26.74		1509.2							
	STD	00100	14.62	35.93	26.79	00.164	1508.9							
12.7	OBS	00110	14.55	35.956	26.81		1508.9							
	STD	00125	14.54	35.96	26.83	00.196	1509.2							
12.7	OBS	00138	14.54	35.970	26.84		1509.4							
	STD	00150	14.48	35.97	26.85	00.228	1509.4							
12.7	OBS	00166	14.42	35.972	26.87		1509.5							
	STD	00200	14.37	35.97	26.87	00.290	1509.9							
12.7	OBS	T00244	14.24	35.949	26.89		1510.1							
	STD	00250	14.20	35.94	26.89	00.353	1510.1							
	STD	00300	13.92	35.89	26.91	00.415	1509.9							
12.7	OBS	00331	13.76	35.866	26.92		1509.9							
	STD	00400	13.60	35.83	26.93	00.539	1510.5							
12.7	OBS	T00439	13.33	35.786	26.95		1510.2							
	STD	00500	12.20	35.59	27.03	00.660	1507.1							
	STD	00600	10.37	35.32	27.15	00.771	1502.0							
12.7	OBS	T00664	09.23	35.182	27.24		1498.7							
	STD	00700	08.41	35.12	27.33	00.869	1496.2							
	STD	00800	06.56	34.99	27.49	00.949	1490.5							
12.7	OBS	00878	05.55	34.936	27.58		1487.7							
	STD	00900	05.46	34.94	27.60	01.016	1487.7							
	STD	01000	05.08	34.97	27.67	01.075	1487.8							
12.7	OBS	T01097	04.76	34.992	27.72		1488.2							
12.7	OBS	T01644	03.95	34.944	27.77		1493.9							

TABLE XIII.—Observed and interpolated oceanographic data for stations taken by USCGC BIBB at Ocean Station DELTA, 21 June–11 July 1969, prepared from NODC listing No. 31–1482 BX.—Continued

REFID	31	1482	YEAR	1969	BDTOP	04846	AIR TEMP	18.9	OIR	HGT	PER	WIND-OIR	27	INST	NANSEN	CAST	TEN SQ	1306	
CONSEC	0007		MONTH	06	SHIP BX		WET BULB	15.8		26	0	2		TRACE	OIR		5	SQUARE	1
LAT	44	00	N	OAY	29	DATA USE	1	BAROMETR	1020.3	SEA		WIND-FOU		DURATION			2	SQUARE	40
LONG	041	10	W	HOUR	13.1	AREA	05	CLOUD T/A	0/2	CL/TR		WEATHER	X1	ORIG	D35	007	1	SQUARE	41

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
13.1	STD	C0000	16.30	35.56	26.12	00.000	1512.1							
	Obs	00000	16.30	35.556	26.12		1512.1							
	STD	00010	16.22	35.73	26.27	00.018	1512.2							
	STD	00020	16.14	35.86	26.39	00.035	1512.3							
13.1	Obs	00025	16.10	35.905	26.44		1512.3							
	STD	00030	15.79	35.93	26.53	00.051	1511.5							
	STD	00050	14.91	36.00	26.78	00.079	1509.2							
13.1	Obs	C0051	14.88	36.004	26.79		1509.1							
	STD	00075	14.62	35.99	26.83	00.111	1508.6							
13.1	Obs	00076	14.61	35.988	26.84		1508.6							
	STD	C0100	14.46	35.98	26.86	C0.142	1508.5							
13.1	Obs	00102	14.45	35.979	26.86		1508.5							
	STD	00125	14.31	35.97	26.89	00.172	1508.4							
13.1	Obs	00127	14.30	35.968	26.89		1508.4							
	STD	00150	14.19	35.95	26.90	00.202	1508.4							
13.1	Obs	C0152	14.18	35.949	26.90		1508.4							
	STD	00200	13.90	35.90	26.92	00.263	1508.3							
13.1	Obs	T00204	13.88	35.896	26.92		1508.2							
	STD	C0250	13.65	35.85	26.93	00.323	1506.2							
	STD	00300	13.40	35.80	26.95	00.383	1506.1							
13.1	Obs	00304	13.38	35.799	26.95		1506.1							
	STD	00400	12.89	35.71	26.95	00.502	1507.9							
13.1	Obs	T00403	12.86	35.708	26.99		1507.9							
	STD	C0500	11.24	35.44	27.09	00.617	1503.6							
	STD	00600	09.53	35.22	27.22	00.721	1498.8							
13.1	Obs	T00607	09.41	35.205	27.23		1498.5							
	STD	00700	07.41	35.04	27.41	00.810	1492.2							
	STD	00800	05.95	34.95	27.54	00.883	1488.0							
13.1	Obs	CC807	05.87	34.943	27.55		1487.8							
	STD	00900	05.52	34.98	27.62	00.946	1488.0							
	STD	C1000	05.17	35.01	27.68	C1.003	1488.0							
13.1	Obs	T01006	05.15	35.010	27.69		1486.3							
13.1	Obs	T01508	03.98	34.959	27.78		1491.8							

REFID	31	1482	YEAR	1969	BDTOP	04846	AIR TEMP	18.8	OIR	HGT	PER	WIND-OIR	24	INST	NANSEN	CAST	TEN SQ	1306	
CONSEC	0008		MONTH	06	SHIP BX		WET BULB	17.6		24	1	2		TRACE	OIR		5	SQUARE	1
LAT	44	05.0N	OAY	30	DATA USE	1	BAROMETR	1020.0	SEA			WIND-FOU		DURATION			2	SQUARE	40
LONG	041	00.0W	HOUR	12.3	AREA	05	CLOUD T/A	6/7	CL/TR			WEATHER	X1	ORIG	D35	C08	1	SQUARE	41

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
12.3	STD	00000	17.04	35.70	26.06	00.000	1514.5							
	Obs	00000	17.04	35.704	26.06		1514.5							
	STD	00010	16.93	35.80	26.16	00.019	1514.5							
	STD	00020	16.62	35.87	26.29	00.037	1513.8							
12.3	Obs	00023	16.48	35.880	26.33		1513.4							
	STD	00030	15.75	35.89	26.50	00.053	1511.3							
12.3	Obs	00048	14.60	35.900	26.77		1508.0							
	STD	00050	14.62	35.91	26.78	00.082	1508.1							
12.3	Obs	00071	14.62	35.970	26.82		1506.5							
	STD	CC075	14.55	35.96	26.83	00.114	1508.4							
12.3	Obs	00095	14.24	35.920	26.86		1507.7							
	STD	CC100	14.19	35.92	26.87	00.144	1507.0							
12.3	Obs	00118	14.02	35.902	26.90		1507.3							
	STD	00125	13.98	35.90	26.90	00.175	1507.3							
12.3	Obs	00142	13.88	35.890	26.92		1507.2							
	STD	00150	13.85	35.89	26.92	00.204	1507.2							
12.3	Obs	T00190	13.71	35.868	26.94		1507.4							
	STD	00200	13.68	35.86	26.94	00.264	1507.5							
	STD	00250	13.54	35.84	26.95	00.323	1507.8							
12.3	Obs	00283	13.44	35.825	26.96		1508.0							
	STD	00300	13.30	35.79	26.96	00.382	1507.8							
12.3	Obs	T00374	12.58	35.649	27.00		1506.4							
	STD	00400	12.25	35.59	27.02	00.499	1505.6							
	STD	00500	10.84	35.38	27.11	00.611	1502.1							
12.3	Obs	T00563	09.86	35.257	27.20		1499.5							
	STD	00600	09.02	35.18	27.27	00.711	1496.9							
	STD	00700	07.17	35.03	27.44	00.796	1491.3							
12.3	Obs	00753	06.43	34.976	27.50		1489.2							
	STD	00800	06.08	34.98	27.55	00.867	1488.0							
	STD	00900	05.42	34.96	27.63	00.930	1487.6							
12.3	Obs	T00945	05.17	34.986	27.67		1487.3							
12.3	Obs	T01440	04.14	34.958	27.76		1491.3							

TABLE XIII.—Observed and interpolated oceanographic data for stations taken by USCGC BIBB at Ocean Station DELTA, 21 June–11 July 1969, prepared from NODC listing No. 31–1482 BX.—Continued

REFID	31 1482	YEAR	1969	BDTDP	04883	AIR TEMP	16.3	DIF HGT PER		WIND-DIR	06	INST NANSEN CAST	TEN SQ	1306	
CDNSEC	0009	MONTH	07	SHIP	6X	WET BULB	15.8		06 1 2	WIND-SPD	14	TRACE DIR	5 SQUARE	1	
LAT	44 00 N	DAY	01	DATA USE	1	BAROMETR	1023.4	SEA		WIND-FUP		DURATION	2 SQUARE	40	
LONG	041 05 W	HCUF	12.3	AREA	05	CLOUD T/A	6/6	CL/TR		WEATHER	XZ	ORIG D35	009	1 SQUARE	41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	OXYG	P04	TCT P	NDL	ND3	S103	PH
	STD	CCC0C	16.82	35.84	26.22	00.000	1514.0							
12.3	DBS	00000	16.82	35.843	26.22		1514.0							
	STD	00010	16.78	35.84	26.23	00.018	1514.1							
	STD	00020	16.74	35.84	26.24	00.026	1514.1							
12.3	DBS	00026	16.71	35.837	26.24		1514.1							
	STD	00030	16.41	35.86	26.33	00.053	1513.3							
	STD	00050	15.25	35.95	26.66	00.064	1510.2							
12.3	DBS	00050	15.25	35.948	26.66		1510.2							
	STD	00075	14.64	35.96	26.81	00.118	1508.7							
12.3	DBS	00076	14.64	35.965	26.82		1508.6							
	STD	00100	14.38	35.94	26.85	00.149	1508.2							
12.3	DBS	00100	14.36	35.938	26.85		1508.2							
	STD	00125	14.18	35.95	26.88	00.180	1508.0							
12.3	DBS	00125	14.18	35.927	26.88		1506.0							
	STD	00150	14.04	35.91	26.90	00.210	1507.9							
12.3	DBS	00150	14.04	35.908	26.90		1507.9							
	STD	00200	13.70	35.87	26.94	00.270	1507.6							
12.3	DBS	T00200	13.70	35.869	26.94		1507.6							
	STD	00250	13.62	35.86	26.95	00.329	1508.1							
12.3	DBS	00296	13.55	35.857	26.96		1508.6							
	STD	00300	13.50	35.85	26.96	00.388	1508.5							
12.3	DBS	T00390	12.30	35.595	27.01		1505.6							
12.3	DBS	T00591	08.86	35.154	27.28		1496.1							
	STD	00600	08.67	35.14	27.30		1495.5							
	STD	00700	06.95	35.04	27.48		1490.4							
12.3	DBS	00780	06.05	34.975	27.55		1488.1							
	STD	00800	06.00											
	STD	00900	05.75											
12.3	DBS	T00964	C5.58											
12.3	DBS	T01507	04.00	34.947	27.77		1491.8							

REFID	31 1482	YEAR	1969	BDTDP	05360	AIR TEMP	16.5	DIF HGT PER		WIND-DIR	21	INST NANSEN CAST	TEN SQ	1306	
CDNSEC	0010	MONTH	07	SHIP	6X	WET BULB	16.0		20 1 2	WIND-SPD	12	TRACE DIR	5 SQUARE	1	
LAT	44 00 N	DAY	02	DATA USE	1	BAROMETR	1019.3	SEA		WIND-FUP		DURATION	2 SQUARE	40	
LONG	041 05 W	HCUF	12.6	AREA	05	CLOUD T/A	7/8	CL/TR		WEATHER	XZ	ORIG D35	010	1 SQUARE	41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	OXYG	P04	TCT P	NDL	ND3	S103	PH
	STD	00000	16.64	35.40	25.92	00.000	1512.9							
12.6	DBS	00000	16.64	35.399	25.92		1512.9							
	STD	00010	16.44	35.50	26.05	00.020	1512.6							
	STD	00020	16.32	35.60	26.15	00.039	1512.6							
12.6	DBS	00026	16.29	35.661	26.21		1512.6							
	STD	00030	16.32	35.71	26.24	00.057	1512.9							
	STD	00050	16.48	35.90	26.34	00.093	1513.9							
12.6	DBS	00052	16.50	35.907	26.35		1514.0							
	STD	00075	14.59	35.90	26.77	00.130	1508.4							
12.6	DBS	00076	14.41	35.901	26.81		1507.9							
	STD	00100	14.29	35.91	26.85	00.162	1507.9							
12.6	DBS	00104	14.27	35.912	26.85		1507.9							
	STD	00125	14.26	35.93	26.87	00.193	1508.2							
12.6	DBS	00131	14.24	35.928	26.87		1508.3							
	STD	00150	14.15	35.92	26.88	00.224	1508.3							
12.6	DBS	00158	14.11	35.915	26.89		1508.3							
	STD	00200	13.91	35.89	26.91	00.284	1508.3							
12.6	DBS	T00212	13.85	35.882	26.92		1508.3							
	STD	00250	13.76	35.87	26.92	00.345	1508.6							
	STD	00300	13.52	35.82	26.94	00.405	1508.6							
12.6	DBS	00316	13.42	35.805	26.95		1508.5							
	STD	00400	12.65	35.67	27.00	00.525	1507.1							
12.6	DBS	T00421	12.39	35.624	27.02		1506.5							
	STD	00500	10.55	35.35	27.15	00.636	1501.0							
	STD	00600	08.64	35.11	27.28	00.753	1495.4							
12.6	DBS	T00640	08.01	35.051	27.33		1493.6							
	STD	00700	07.33	35.05	27.45	00.818	1491.9							
	STD	00800	06.34	35.03	27.55	00.890	1489.7							
12.6	DBS	00856	05.88	35.022	27.61		1486.8							
	STD	00900	05.59	35.01	27.63	00.952	1488.3							
	STD	01000	05.02	34.98	27.68	01.008	1487.6							
12.6	DBS	T01068	04.69	34.969	27.71		1487.4							
12.6	DBS	T01610	03.96	34.946	27.77		1493.4							

TABLE XIII.—Observed and interpolated oceanographic data for stations taken by USCGC BIBB at Ocean Station DELTA, 21 June–11 July 1969, prepared from NODC listing No. 31-1482 BX.—Continued

REFID 31 1482	YEAR 1969	BOTOP 05400	AIR TEMP 20.6	DIF HGT PER	WIND-DIR 24	INST NANSEN CAST	TEN SQ 1306
CONSEC 0011	MONTH 07	SHIP 8X	WET BULB 20.0	24 1 2	WIND-SPO 07	TRACE DIR	5 SQUARE 1
LAT 44 05 N	DAY 03	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FUR	DURATION	2 SQUARE 40
LONG 041 06 W	HOUR 12.4	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X5	DRIG 035 C11	1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDRPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SIO3	PH
12.4	STD	00000	16.68	35.27	25.82	00.000	1511.9							
	OBS	00000	16.68	35.273	25.82		1511.9							
	STD	00010	16.19	35.31	25.96	00.021	1511.6							
	STD	00020	15.74	35.35	26.09	00.041	1511.5							
12.4	OBS	00025	15.53	35.366	26.15		1509.9							
	STD	00030	15.31	35.50	26.31	00.059	1509.5							
	STD	00050	14.64	35.87	26.74	00.050	1508.1							
12.4	OBS	00051	14.61	35.876	26.75		1508.1							
	STD	00075	14.26	35.91	26.85	00.122	1507.9							
12.4	OBS	00076	14.25	35.907	26.85		1507.9							
	STD	00100	14.23	35.94	26.88	00.152	1507.7							
12.4	OBS	00102	14.23	35.938	26.88		1507.8							
	STD	00125	14.22	35.95	26.89	00.183	1506.1							
12.4	OBS	00127	14.21	35.950	26.89		1508.1							
	STD	00150	14.05	35.92	26.90	00.213	1507.9							
12.4	OBS	00152	14.03	35.913	26.90		1507.9							
	STD	00200	13.62	35.83	26.93	00.273	1507.2							
12.4	OBS	T00206	13.58	35.826	26.93		1507.2							
	STD	00250	13.55	35.82	26.93	00.332	1507.8							
	STD	00300	13.33	35.79	26.95	00.392	1507.9							
12.4	OBS	00305	13.30	35.760	26.95		1507.6							
	STD	00400	12.29	35.60	27.01	00.510	1505.6							
12.4	OBS	T00406	12.22	35.586	27.02		1505.6							
	STD	00500	10.68	35.35	27.13	00.621	1501.5							
	STD	00600	09.11	35.17	27.25	00.722	1497.2							
12.4	OBS	T00612	08.92	35.148	27.27		1496.7							
	STD	00700	07.27	35.06	27.43	00.809	1492.1							
	STD	00800	06.08	34.99	27.56	00.886	1486.6							
12.4	OBS	00812	05.96	34.990	27.57		1488.3							
	STD	00900	05.50	35.00	27.63	00.942	1487.9							
	STD	01000	05.06	35.00	27.69	00.957	1487.6							
12.4	OBS	T01012	05.01	35.003	27.70		1487.8							
12.4	OBS	T01523	03.97	34.942	27.76		1492.0							

REFID 31 1482	YEAR 1969	BOTOP 05300	AIR TEMP 20.0	DIF HGT PER	WIND-DIR 20	INST NANSEN CAST	TEN SQ 1306
CONSEC 0012	MONTH 07	SHIP 8X	WET BULB 19.4	19 1 2	WIND-SPO 14	TRACE DIR	5 SQUARE 1
LAT 44 05 N	DAY 04	DATA USE 1	BAROMETR 1021.3	SEA	WIND-FUR	DURATION	2 SQUARE 40
LONG 041 03 W	HOUR 12.5	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X2	DRIG 035 012	1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDRPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SIO3	PH
12.5	STD	00000	17.28	35.51	25.86	00.000	1515.0							
	OBS	00000	17.28	35.515	25.86		1515.0							
	STD	00010	16.96	35.72	26.10	00.020	1514.5							
	STD	00020	16.57	35.87	26.30	00.038	1513.6							
12.5	OBS	00024	16.40	35.914	26.37		1513.2							
	STD	00030	16.03	35.93	26.47	00.055	1512.2							
12.5	OBS	00049	15.09	35.953	26.70		1509.7							
	STD	00050	15.05	35.95	26.71	00.084	1509.5							
12.5	OBS	00073	14.41	35.902	26.81		1507.8							
	STD	00075	14.40	35.90	26.82	00.117	1507.8							
12.5	OBS	00098	14.25	35.915	26.86		1507.7							
	STD	00100	14.24	35.91	26.86	00.146	1507.7							
12.5	OBS	00122	14.08	35.905	26.89		1507.6							
	STD	00125	14.06	35.90	26.89	00.179	1507.5							
12.5	OBS	00146	13.93	35.893	26.91		1507.4							
	STD	00150	13.90	35.89	26.91	00.209	1507.4							
12.5	OBS	00195	13.63	35.844	26.93		1507.2							
	STD	00200	13.62	35.84	26.94	00.268	1507.3							
	STD	00250	13.52	35.83	26.95	00.327	1507.7							
12.5	OBS	00294	13.43	35.817	26.96		1506.1							
	STD	00300	13.36	35.80	26.96	00.387	1508.0							
12.5	OBS	T00391	12.13	35.557	27.01		1505.0							
	STD	00400	11.96	35.53	27.03	00.504	1504.6							
	STD	00500	10.23	35.28	27.15	00.613	1499.8							
12.5	OBS	T00590	08.84	35.129	27.26		1496.0							
	STD	00600	08.68	35.12	27.28	00.711	1495.5							
	STD	00700	07.29	35.06	27.44	00.795	1491.8							
12.5	OBS	00782	06.39	35.022	27.54		1489.0							
	STD	00800	06.25	35.02	27.56	00.866	1489.3							
	STD	00900	05.57	35.02	27.64	00.927	1488.2							
12.5	OBS	T00972	05.16	35.011	27.69		1487.8							
12.5	OBS	T01468	04.01	34.944	27.76		1491.2							

TABLE XIII.—Observed and interpolated oceanographic data for stations taken by USCGC BIBB at Ocean Station DELTA, 21 June–11 July 1969, prepared from NODC listing No. 31-1482 BX.—Continued

REFID 31 1482 YEAR 1969 BOTDP 04755 AIR TEMP 21.1 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1306
 CONSEC 0013 MONTH 07 SHIP BX WET BULB 20.0 WIND-SPD C6 TRACE DIR 5 SQUARE 1
 LAT 44 00.0N DAY 05 DATA USE 1 BAROMETR 1022.4 SEA WIND-FGR DURATION 2 SQUARE 40
 LONG 041 10.0W HOUR 12.2 AREA 05 CLOUD T/A 7/7 CL/TR WEATHER X4 ORIG D35 013 1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.2	STD	00000	17.34	35.51	25.84	00.000	1515.2							
	OBS	00000	17.34	35.514	25.84		1515.2							
	STD	00010	17.12	35.59	25.96	00.021	1514.8							
	STD	00020	16.73	35.67	26.11	00.041	1513.9							
12.2	OBS	C0025	16.48	35.705	26.20		1513.2							
	STD	00030	15.96	35.75	26.35	00.059	1511.8							
	STD	00050	14.60	35.90	26.77	00.089	1508.0							
12.2	OBS	00050	14.60	35.896	26.77		1508.0							
	STD	00075	14.51	35.95	26.83	00.121	1508.2							
12.2	OBS	C0075	14.51	35.947	26.83		1508.2							
	STD	00100	14.27	35.93	26.86	00.152	1507.8							
12.2	OBS	00101	14.26	35.928	26.87		1507.8							
	STD	C0125	14.01	35.89	26.85	00.182	1507.4							
12.2	OBS	00125	14.01	35.890	26.89		1507.4							
	STD	00150	13.87	35.87	26.90	C0.212	1507.3							
12.2	OBS	00150	13.87	35.866	26.90		1507.3							
	STD	00200	13.69	35.85	26.92	00.272	1507.5							
12.2	OBS	T00201	13.69	35.846	26.92		1507.5							
	STD	00250	13.63	35.84	26.93	00.332	1508.1							
	STD	00300	13.30	35.78	26.95	C0.392	1507.8							
12.2	OBS	00301	13.29	35.779	26.95		1507.7							
12.2	OBS	T00397	11.89	35.513	27.00		1504.3							
	STD	C0600	08.51	35.08	27.28		1494.6							
12.2	OBS	00600	08.51	35.078	27.28		1494.8							
	STD	00700	07.48	35.11	27.46		1492.6							
	STD	00800	06.64	35.12	27.58		1491.0							
12.2	OBS	00801	06.63	35.121	27.59		1491.0							
	STD	00900	06.03	35.10	27.65		1490.2							
12.2	OBS	T00999	05.51	35.080	27.70		1489.7							
12.2	OBS	T01508	04.02	34.941	27.76		1491.9							

REFID 31 1482 YEAR 1969 BOTOP 04901 AIR TEMP 21.7 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1306
 CONSEC 0014 MONTH 07 SHIP BX WET BULB 21.1 WIND-SPD 10 TRACE DIR 5 SQUARE 1
 LAT 44 05 N DAY 06 DATA USE 1 BAROMETR 1024.4 SEA WIND-FGR DURATION 2 SQUARE 40
 LONG 041 00 W HOUR 12.6 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG D35 014 1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.6	STD	00000	17.86	35.72	25.87	00.000	1516.9							
	OBS	00000	17.86	35.718	25.87		1516.9							
	STD	00010	17.42	35.78	26.03	00.020	1515.9							
	STD	00020	16.90	35.83	26.19	00.059	1514.6							
12.6	OBS	C0024	16.66	35.850	26.26		1513.9							
	STD	00030	16.12	35.89	26.42	00.057	1512.5							
12.6	OBS	00049	14.87	35.948	26.75		1508.9							
	STD	00050	14.83	35.94	26.75	00.086	1508.8							
12.6	OBS	00074	14.30	35.899	26.83		1507.5							
	STD	C0075	14.31	35.90	26.84	00.118	1507.5							
12.6	OBS	00099	14.40	35.958	26.66		1508.3							
	STD	00100	14.40	35.96	26.86	C0.149	1508.3							
12.6	OBS	00123	14.32	35.947	26.87		1508.4							
	STD	00125	14.31	35.94	26.87	00.180	1508.4							
12.6	OBS	00148	14.15	35.912	26.88		1508.2							
	STD	00150	14.14	35.91	26.88	00.211	1508.2							
12.6	OBS	T00199	13.90	35.880	26.91		1508.2							
	STD	00200	13.90	35.88	26.91	00.272	1508.2							
	STD	00250	13.76	35.85	26.91	00.353	1508.5							
12.6	OBS	00296	13.48	35.814	26.94		1508.3							
	STD	00300	13.44	35.81	26.94	00.393	1508.3							
12.6	OBS	T00390	12.44	35.613	27.00		1506.1							
	STD	C0400	12.25	35.58	27.01	00.512	1503.0							
	STD	00500	10.44	35.30	27.13	00.623	1500.6							
12.6	OBS	T00589	09.06	35.145	27.24		1496.8							
	STD	00600	08.91	35.14	27.25	00.723	1496.4							
	STD	00700	07.68	35.14	27.45	00.808	1493.4							
12.6	OBS	00782	06.78	35.126	27.57		1491.2							
	STD	00800	06.59	35.11	27.58		1490.8							
	STD	00900	05.64	35.04	27.65	00.939	1488.6							
12.6	OBS	T00968	05.12	34.958	27.68		1487.5							
12.6	OBS	T01468	04.16	34.958	27.76		1491.9							

TABLE XIII.—Observed and interpolated oceanographic data for stations taken by USCGC BIBB at Ocean Station DELTA, 21 June–11 July 1969, prepared from NODC listing No. 31-1482 BX.—Continued

REFID 31 1482 YEAR 1969 BCTDP 04846 AIR TEMP 21.1 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1306
 CONSEC 0015 MONTH 07 SHIP BX WET BULB 20.6 20 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 1
 LAT 44 07.0N DAY 07 DATA USE 1 BAROMETR 1022.7 SEA WIND-FDR DURATION 2 SQUARE 40
 LONG 041 00.0W HOUR 12.3 AREA 05 CLOUD T/A 6/E CL/T/P WEATHER X2 GRIG D35 G15 1 SQUARE 41

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STO	00000	18.12	35.73	25.82	00.000	1517.7							
12.3	OBS	00000	18.12	35.730	25.82		1517.7							
	STO	00010	17.61	35.79	25.99	00.021	1516.5							
	STO	00020	17.05	35.83	26.16	00.040	1515.0							
12.3	OBS	00026	16.68	35.853	26.26		1514.0							
	STO	00030	16.32	35.86	26.36	00.058	1513.0							
	STO	00050	14.97	35.90	26.69	00.089	1509.2							
12.3	OBS	00051	14.92	35.902	26.70		1509.1							
	STO	00075	14.42	35.91	26.82	00.122	1507.9							
12.3	OBS	00077	14.39	35.916	26.83		1507.8							
	STO	00100	14.15	35.89	26.86	00.153	1507.4							
12.3	OBS	00102	14.13	35.892	26.87		1507.4							
	STO	00125	13.98	35.89	26.89	00.183	1507.3							
12.3	OBS	00128	13.66	35.884	26.90		1507.2							
	STO	00150	13.85	35.87	26.91	00.213	1507.2							
12.3	OBS	00154	13.83	35.871	26.91		1507.2							
	STO	00200	13.58	35.83	26.94	00.273	1507.1							
12.3	OBS	T00206	13.55	35.826	26.94		1507.1							
	STO	00250	13.54	35.82	26.94	00.332	1507.8							
	STO	00300	13.31	35.78	26.95	00.392	1507.8							
12.3	OBS	00305	13.27	35.771	26.95		1507.7							
	STO	00400	12.07	35.54	27.01	00.510	1505.0							
12.3	OBS	00406	11.99	35.529	27.02		1504.8							
	STO	00500	10.18	35.30	27.17	00.618	1499.6							
	STO	00600	08.65	35.13	27.30	00.714	1495.4							
12.3	OBS	T00612	08.49	35.121	27.31		1495.0							
	STO	00700	07.67	35.10	27.42	00.799	1493.3							
	STO	00800	06.87	35.08	27.52	00.873	1491.8							
12.3	OBS	00818	06.74	35.078	27.54		1491.6							
	STO	00900	06.22	35.08	27.60	00.940	1490.9							
	STO	01000	05.67	35.07	27.67	00.999	1490.4							
12.3	OBS	01026	05.54	35.066	27.68		1490.3							
12.3	OBS	01556	04.09	34.947	27.76		1493.0							

REFID 31 1482 YEAR 1969 BCTDP 04846 AIR TEMP 21.6 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1306
 CONSEC 0016 MONTH 07 SHIP BX WET BULB 21.1 19 2 3 WIND-SPD 20 TRACE DIR 5 SQUARE 1
 LAT 44 04 N DAY 08 DATA USE 1 BAROMETR 1016.9 SEA WIND-FDR DURATION 2 SQUARE 40
 LONG 040 57 W HOUR 12.5 AREA 05 CLOUD T/A 6/E CL/T/P WEATHER X2 GRIG 035 G16 1 SQUARE 40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STO	00000	18.20	35.73	25.80	00.000	1517.9							
12.5	OBS	00000	18.20	35.731	25.80		1517.9							
	STO	00010	17.45	35.78	26.02	00.021	1516.0							
	STO	00020	16.68	35.82	26.24	00.040	1513.9							
12.5	OBS	00022	16.52	35.829	26.26		1513.5							
	STO	00030	15.69	35.87	26.50	00.056	1511.1							
12.5	OBS	00044	14.72	35.910	26.75		1508.3							
	STO	00050	14.65	35.91	26.77	00.085	1508.2							
12.5	OBS	00067	14.50	35.917	26.81		1508.0							
	STO	00075	14.46	35.92	26.82	00.117	1508.0							
12.5	OBS	00088	14.39	35.917	26.83		1508.0							
	STO	00100	14.33	35.93	26.85	00.148	1508.0							
12.5	OBS	00110	14.29	35.938	26.87		1508.1							
	STO	00125	14.25	35.94	26.87	00.179	1508.2							
12.5	OBS	00132	14.22	35.937	26.88		1508.2							
	STO	00150	14.02	35.89	26.89	00.209	1507.8							
12.5	OBS	T00177	13.79	35.845	26.90		1507.4							
	STO	00200	13.76	35.85	26.91	00.270	1507.7							
	STO	00250	13.66	35.85	26.93	00.330	1508.2							
12.5	OBS	00256	13.65	35.853	26.94		1508.3							
	STO	00300	13.59	35.84	26.94	00.391	1508.6							
12.5	OBS	T00336	13.40	35.807	26.95		1508.7							
	STO	00400	12.44	35.62	27.00	00.510	1506.3							
	STO	00500	10.85	35.38	27.12	00.622	1502.1							
12.5	OBS	T00506	10.75	35.366	27.12		1501.9							
	STO	00600	08.93	35.19	27.30	00.721	1496.6							
12.5	OBS	00679	07.70	35.089	27.41		1493.1							
	STO	00700	07.45	35.08	27.43	00.805	1492.4							
	STO	00800	06.41	35.02	27.54	00.877	1489.9							
12.5	OBS	00855	05.92	35.000	27.58		1486.9							
12.5	OBS	T01325	04.33	34.973	27.75		1490.2							

TABLE XIII.—Observed and interpolated oceanographic data for stations taken by USCGC BIBB at Ocean Station DELTA, 21 June–11 July 1969, prepared from NODC listing No. 31–1482 BX.—Continued

REFID 31 1482	YEAR 1969	BDTOP 04755	AIR TEMP 15.0	DIP HGT PER	WIND-DIR 05	INST NANSEN CAST	TEN SO 1306
CONSEC 0017	MONTH 07	SHIP 8X	WET BULB 13.8	06 1 2	WIND-SPD 15	TRACE DIR	5 SQUARE 1
LAT 44 00 N	DAY 10	DATA USE 1	BAROMETR 1019.3	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 041 00 W	HRUR 16.9	AREA 05	CLOUD T/A 6/8	CL/TP	WEATHER X6	DRIG D35 017	1 SQUARE 40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P04	TCT P	ND2	ND3	SIG3	PH
16.9	STD	00000	18.01	34.96	25.26	00.000	1516.5							
	OBS	00000	18.01	34.963	25.26		1516.5							
	STD	00010	17.27	35.34	25.73	00.025	1514.9							
	STD	00020	16.68	35.64	26.10	00.046	1513.7							
16.9	OBS	00025	16.43	35.762	26.25		1513.2							
	STD	00030	16.25	35.85	26.36	00.064	1512.8							
	STD	00050	15.72	36.09	26.67	00.094	1511.8							
16.9	OBS	00050	15.72	36.092	26.67		1511.8							
	STD	00075	15.44	36.11	26.74	00.129	1511.4							
16.9	OBS	00075	15.44	36.108	26.74		1511.4							
16.9	OBS	00099	15.03	36.038	26.78		1510.4							
	STD	00100	15.00	36.03	26.78	00.164	1510.3							
16.9	OBS	00124	14.42	35.908	26.82		1508.7							
	STD	00125	14.42	35.91	26.82	00.194	1508.7							
16.9	OBS	00149	14.32	35.905	26.84		1508.8							
	STD	00150	14.32	35.91	26.84	00.226	1508.8							
16.9	OBS	T00195	14.20	35.922	26.87		1509.2							
	STD	00200	14.19	35.92	26.87	00.288	1509.2							
	STD	00250	13.90	35.88	26.90	00.350	1509.0							
16.9	OBS	00295	13.62	35.834	26.93		1508.8							
	STD	00300	13.61	35.83	26.93	00.412	1508.9							
16.9	OBS	T00395	12.98	35.720	26.97		1508.2							
16.9	OBS	T00603	08.69	35.126	27.29		1495.6							
	STD	00700	07.58	35.12	27.45		1495.0							
	STD	00800	06.59	35.12	27.59		1490.8							
16.9	OBS	00813	06.47	35.115	27.60		1490.5							
	STD	00900	05.76	35.06	27.65		1489.0							
	STD	01000	05.07	35.00	27.69		1487.8							
16.9	OBS	T01024	04.93	34.993	27.70		1487.7							
16.9	OBS	T01547	03.93	34.937	27.76		1492.2							

REFID 31 1482	YEAR 1969	BDTOP 04846	AIR TEMP 16.7	DIP HGT PER	WIND-DIR 04	INST NANSEN CAST	TEN SO 1306
CONSEC 0018	MONTH 07	SHIP 8X	WET BULB 16.1	04 2 2	WIND-SPD 15	TRACE DIR	5 SQUARE 1
LAT 44 02.5N	DAY 11	DATA USE 1	BAROMETR 1017.6	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 040 58.5W	HRUR 12.4	AREA 05	CLOUD T/A 6/8	CL/TP	WEATHER X2	DRIG D35 018	1 SQUARE 40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P04	TCT P	ND2	ND3	SIG3	PH
12.4	STD	00000	17.88	35.33	25.57	00.000	1516.5							
	OBS	00000	17.88	35.332	25.57		1516.5							
	STD	00010	17.84	35.39	25.63	00.024	1516.7							
	STD	00020	17.65	35.46	25.73	00.047	1516.3							
12.4	OBS	00026	17.45	35.492	25.80		1515.9							
	STD	00030	17.16	35.64	25.99	00.068	1515.3							
	STD	00050	16.08	36.13	26.61	00.103	1513.0							
12.4	OBS	00050	16.08	36.128	26.61		1513.0							
	STD	00075	15.63	36.10	26.70	00.139	1511.9							
12.4	OBS	00077	15.59	36.101	26.71		1511.9							
	STD	00100	15.14	36.05	26.77	00.172	1510.7							
12.4	OBS	00102	15.11	36.047	26.77		1510.7							
	STD	00125	14.98	36.05	26.80	00.205	1510.7							
12.4	OBS	00127	14.97	36.054	26.81		1510.7							
	STD	00150	14.78	36.03	26.83	00.237	1510.4							
12.4	OBS	00151	14.77	36.031	26.83		1510.4							
	STD	00200	14.40	35.97	26.87	00.300	1509.9							
12.4	OBS	T00200	14.40	35.966	26.87		1509.9							
	STD	00250	13.99	35.89	26.90	00.362	1509.4							
12.4	OBS	00293	13.63	35.829	26.92		1508.8							
	STD	00300	13.59	35.82	26.92	00.424	1508.8							
12.4	OBS	T00391	12.76	35.669	26.98		1507.3							
12.4	OBS	T00601	08.97	35.125	27.24		1496.6							
	STD	00700	07.22	35.03	27.43		1493.5							
	STD	00800	05.95	34.97	27.56		1486.0							
12.4	OBS	00806	05.89	34.970	27.56		1487.9							
	STD	00900	05.46	34.98	27.63		1487.7							
	STD	01000	05.05	34.99	27.69		1487.8							
12.4	OBS	T01032	04.94	34.996	27.70		1487.8							
12.4	OBS	T01615	03.99	34.955	27.77		1493.6							

TABLE XIV.—Observed and interpolated oceanographic data for stations taken by USCGC INGHAM at Ocean Station DELTA, 14 July–3 August 1969, prepared from NODC listing No. 31-1519 IN.

REFID	31	1519	YEAR	1969	BOTDP	04755	AIR TEMP	19.4	OIR HGT PER	WIND-OIR	15	INST NANSEN	CAST	TEN SQ	1306		
CONSEC	0001		MONTH	07	SHIP IN		WET BULB	16.1	13	1	4	TRACE OIR		5	SQUARE	1	
LAT	43	56	N	DAY	14	DATA USE	1	BAROMETR	1026.4	SEA		DURATION		2	SQUARE	20	
LONG	040	54	W	HOUR	18.1	AREA	05	CLOUD T/A	8/7	CL/TR		CRIG	036	001	1	SQUARE	30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	STD	00000	19.46	35.78	25.51	00.000	1521.6							
	OBS	00000	19.46	35.778	25.51		1521.6							
	STD	00010	18.87	35.79	25.67	00.024	1520.1							
	STD	00020	18.22	35.80	25.65	00.046	1518.4							
18.1	OBS	00023	18.01	35.800	25.90		1517.9							
	STD	00030	17.34	36.00	26.21	00.066	1516.3							
18.1	OBS	00046	16.23	36.246	26.67		1513.5							
	STD	00050	16.09	36.22	26.68	00.098	1513.1							
18.1	OBS	00068	15.64	36.143	26.73		1511.9							
	STD	00075	15.60	36.15	26.74	00.132	1511.9							
18.1	OBS	00091	15.51	36.151	26.76		1511.9							
	STD	00100	15.44	36.15	26.78	00.165	1511.8							
	STD	00125	15.27	36.14	26.81	00.198	1511.7							
18.1	OBS	00135	15.20	36.142	26.82		1511.6							
	STD	00150	15.10	36.11	26.82	00.230	1511.5							
18.1	OBS	T00179	14.91	36.064	26.83		1511.3							
	STD	00200	14.80	36.05	26.84	00.294	1511.3							
	STD	00250	14.44	35.99	26.88	00.357	1510.9							
18.1	OBS	00268	14.27	35.955	26.89		1510.6							
	STD	00300	13.83	35.86	26.91	00.420	1509.6							
18.1	OBS	00354	13.20	35.737	26.94		1508.3							
	STD	00400	12.96	35.70	26.96	00.543	1508.2							
18.1	OBS	00438	12.54	35.632	26.99		1507.3							
	STD	00500	11.32	35.45	27.09	00.659	1503.9							
18.1	OBS	T00519	10.94	35.399	27.12		1502.8							
	STD	00600	09.12	35.20	27.28	00.761	1497.3							
18.1	OBS	00675	07.72	35.060	27.38		1493.0							
	STD	00700	07.54	35.06	27.41	00.847	1492.8							
	STD	00800	06.84	35.04	27.45	00.924	1491.7							
	STD	00900	06.14	35.03	27.58	00.993	1490.5							
	STD	C1000	05.44	35.01	27.65	01.054	1489.4							
18.1	OBS	T01074	04.92	34.998	27.70		1488.5							

REFID	31	1519	YEAR	1969	BOTDP	04758	AIR TEMP	19.4	OIR HGT PER	WIND-OIR	27	INST NANSEN	CAST	TEN SQ	1306		
CONSEC	0002		MONTH	07	SHIP IN		WET BULB	18.9	23	2	3	TRACE OIR		5	SQUARE	1	
LAT	44	02	N	DAY	17	DATA USE	1	BAROMETR	1016.3	SEA		DURATION		2	SQUARE	40	
LONG	040	54	W	HOUR	19.8	AREA	05	CLOUD T/A	8/7	CL/TR		CRIG	036	002	1	SQUARE	40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.8	STD	00000	19.00	35.55	25.46	00.000	1520.0							
	OBS	00000	19.00	35.549	25.46		1520.0							
	STD	00010	17.93	35.75	25.88	00.023	1517.3							
	STD	00020	16.99	35.89	26.22	00.043	1514.9							
19.8	OBS	00026	16.50	35.958	26.39		1513.6							
	STD	00030	16.16	35.97	26.47	00.060	1512.7							
	STD	00050	15.03	36.03	26.77	00.088	1509.6							
19.8	OBS	00050	15.03	36.026	26.77		1509.6							
	STD	00075	14.94	36.06	26.82	00.120	1509.7							
19.8	OBS	00076	14.94	36.062	26.82		1509.8							
	STD	00100	14.95	36.07	26.83	00.152	1510.2							
19.8	OBS	00101	14.95	36.075	26.83		1510.2							
	STD	00125	14.73	36.03	26.84	00.183	1509.8							
	STD	00150	14.52	35.99	26.86	00.215	1509.5							
19.8	OBS	00152	14.50	35.988	26.86		1509.5							
	STD	00200	14.15	35.94	26.90	00.276	1509.1							
19.8	OBS	T00201	14.14	35.937	26.90		1509.1							
	STD	00250	13.94	35.91	26.92	00.337	1509.2							
19.8	OBS	00297	13.74	35.876	26.94		1509.3							
	STD	00300	13.73	35.87	26.94	00.358	1509.3							
19.8	OBS	T00391	13.33	35.799	26.96		1509.4							
	STD	00400	13.19	35.77	26.97	00.519	1509.0							
19.8	OBS	00485	11.90	35.548	27.05		1505.8							
	STD	00500	11.68	35.51	27.07	00.636	1505.2							
19.8	OBS	T00576	10.53	35.360	27.16		1502.2							
	STD	00600	10.03	35.33	27.22	00.742	1500.8							
	STD	00700	08.25	35.21	27.42	00.831	1495.7							
19.8	OBS	00765	07.37	35.156	27.51		1493.3							
	STD	00800	07.10	35.15	27.54	00.906	1492.8							
	STD	00900	06.41	35.12	27.61	00.971	1491.7							
19.8	OBS	00955	06.06	35.104	27.65		1491.2							
19.8	OBS	T01456	04.17	34.973	27.77		1491.7							

TABLE XIV.—Observed and interpolated oceanographic data for stations taken by USCGC ING-HAM at Ocean Station DELTA, 14 July–3 August 1969, prepared from NODC listing No. 31-1519 IN.—Continued

REFID 31 1519	YEAR 1969	80TOP 04758	AIR TEMP 20.6	DIP HGT PER	WIND-DIR 22	INST NANSEN CAST	TEN SQ 1306
CONSEC 0003	MCNTH 07	SHIP IN	WET BULB 19.4	22	WIND-SPD 14	TRACE DIR	5 SQUARE 1
LAT 44 08 N	DAY 19	DATA USE 1	BAROMETR 1014.4	SEA	WIND-FGR	DURATION	2 SQUARE 40
LONG 040 35 W	HOUR 13.4	AREA 05	CLOUD T/A 8/8	CL/TR	WEATHER X2	ORIG D36 C03	1 SQUARE 40

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
13.4	STD	00000	19.24	35.62	25.45	00.000	1520.8							
	OBS	00000	19.24	35.619	25.45		1520.8							
	STD	00010	19.06	35.63	25.50	00.025	1520.4							
	STD	00020	18.67	35.68	25.65	00.049	1519.6							
13.4	OBS	00027	18.26	35.748	25.60		1518.6							
	STD	00030	17.89	35.82	25.95	00.071	1517.7							
	STD	00050	16.00	36.14	26.65	00.106	1512.7							
13.4	OBS	00053	15.80	36.167	26.71		1512.2							
	STD	00075	15.11	36.07	26.79	00.140	1510.3							
13.4	OBS	00080	15.01	36.061	26.80		1510.0							
	STD	00100	14.91	36.04	26.81	00.172	1510.0							
13.4	OBS	00107	14.87	36.035	26.82		1510.0							
	STD	00125	14.72	36.00	26.82	00.204	1509.8							
	STD	00150	14.52	35.96	26.84	00.236	1509.5							
13.4	OBS	00159		35.952										
	STD	00200	14.15	35.93	26.85	00.298	1509.1							
13.4	OBS	T00211	14.07	35.919	26.90		1509.0							
	STD	00250	13.86	35.88	26.92	00.359	1508.9							
	STD	00300	13.56	35.83	26.94	00.420	1508.7							
13.4	OBS	00311	13.48	35.817	26.94		1508.6							
	STD	00400	12.80	35.70	27.00	00.540	1507.6							
13.4	OBS	TCC408	12.71	35.688	27.00		1507.5							
	STD	00500	11.43	35.48	27.09	00.654	1504.3							
13.4	OBS	00506	11.33	35.467	27.10		1504.0							
	STD	00600	09.48	35.23	27.24	00.757	1498.6							
13.4	OBS	T00606	09.38	35.223	27.25		1498.4							
	STD	00700	08.30	35.22	27.42	00.846	1495.9							
13.4	OBS	00798	07.22	35.183	27.55		1493.3							
	STD	00800	07.19	35.18	27.55	00.920	1493.2							
	STD	00900	06.06	35.09	27.64	00.983	1490.3							
	STD	01000	05.14	35.02	27.69	01.039	1488.1							
13.4	OBS	TC1000	05.14	35.017	27.65		1488.1							
13.4	OBS	T01548	04.03	34.963	27.78		1492.7							

REFID 31 1519	YEAR 1969	80TOP 04758	AIR TEMP 18.9	DIP HGT PER	WIND-DIR 27	INST NANSEN CAST	TEN SQ 1306
CONSEC 0004	MCNTH 07	SHIP IN	WET BULB 16.1	22 2 4	WIND-SPD 14	TRACE DIR	5 SQUARE 1
LAT 44 10 N	DAY 20	DATA USE 1	BAROMETR 1013.2	SEA	WIND-FGR	DURATION	2 SQUARE 40
LONG 040 42 W	HOUR 13.4	AREA 05	CLOUD T/A 8/6	CL/TR	WEATHER X1	ORIG D36 004	1 SQUARE 40

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
13.4	STD	00000	19.20	35.61	25.46	00.000	1520.6							
	OBS	00000	19.20	35.612	25.46		1520.6							
	STD	00010	19.16	35.61	25.46	00.025	1520.7							
	STD	00020	19.12	35.61	25.47	00.050	1520.8							
13.4	OBS	CCC24	19.11	35.608	25.48		1520.6							
	STD	00030	18.16	35.80	25.86	00.074	1518.4							
13.4	OBS	00047	16.19	36.128	26.59		1513.2							
	STD	00050	16.02	36.12	26.62	00.110	1512.7							
13.4	OBS	00071	15.20	36.068	26.77		1510.5							
	STD	00075	15.19	36.07	26.77	00.144	1510.5							
13.4	OBS	00094	15.10	36.083	26.80		1510.6							
	STD	00100	15.01	36.07	26.81	00.176	1510.4							
	STD	00125	14.72	36.02	26.84	00.208	1509.8							
13.4	OBS	00142	14.57	35.999	26.85		1509.6							
	STD	00150	14.55	36.00	26.86	00.239	1509.6							
13.4	OBS	T00190	14.40	35.970	26.87		1509.8							
	STD	00200	14.33	35.96	26.87	00.302	1509.7							
	STD	00250	13.95	35.89	26.90	00.364	1509.2							
13.4	OBS	00279	13.71	35.840	26.91		1508.8							
	STD	00300	13.52	35.80	26.92	00.425	1508.5							
13.4	OBS	T00368	12.87	35.677	26.96		1507.3							
	STD	00400	12.55	35.63	26.99	00.546	1506.7							
13.4	OBS	00459	11.86	35.524	27.04		1505.2							
	STD	00500	11.27	35.44	27.08	00.661	1503.7							
13.4	OBS	T00551	10.52	35.339	27.14		1501.7							
	STD	00600	09.57	35.24	27.23	00.765	1499.0							
	STD	00700	08.03	35.10	27.37	00.856	1494.7							
13.4	OBS	00744	07.53	35.067	27.42		1493.5							
	STD	00800	07.26	35.10	27.48	00.936	1493.4							
	STD	00900	06.78	35.15	27.59	01.006	1493.2							
13.4	OBS	00945	06.56	35.158	27.62		1493.1							
13.4	OBS	T01378	04.33	34.981	27.76		1491.1							

TABLE XIV.—Observed and interpolated oceanographic data for stations taken by USCGC ING-HAM at Ocean Station DELTA, 14 July–3 August 1969, prepared from NODC listing No. 31-1519 IN.—Continued

REFID 31 1519	YEAR 1969	BOTOP 04758	AIR TEMP 17.8	DIR HGT PER	WIND-DIR 01	INST NANSEN CAST	TEN SQ 1306
CONSEC 0005	MONTH 07	SHIP IN	WET BULB 15.0	32 0 2	WIND-SPD 05	TRACE DIR	5 SQUARE 1
LAT 44 00 N	DAY 22	DATA USE 1	BAROMETP 1027.4	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 041 00 W	HOUE 13.3	AREA 05	CLOUD T/A 8/5	CL/TR	WEATHER X1	CRIG D36 C05	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
	STO	00000	19.30	35.55	25.38	00.000	1520.8							
13.3	OBS	00000	19.30	35.552	25.38		1520.8							
	STO	00010	19.15	35.58	25.44	00.025	1520.6							
	STO	00020	19.00	35.61	25.50	00.051	1520.4							
13.3	OBS	00027	18.90	35.628	25.54		1520.3							
	STO	00030	18.56	35.75	25.73	00.074	1519.5							
	STO	00050	16.72	36.28	26.58	00.112	1515.1							
13.3	OBS	00052	16.56	36.306	26.63		1514.7							
	STO	00075	15.48	36.14	26.76	00.147	1511.5							
13.3	OBS	00078	15.40	36.127	26.77		1511.3							
	STO	00100	15.32	36.13	26.79	00.180	1511.4							
13.3	OBS	00103	15.31	36.131	26.79		1511.4							
	STO	00125	15.22	36.13	26.81	00.212	1511.5							
	STO	00150	15.08	36.11	26.82	00.244	1511.5							
13.3	OBS	00155	15.05	36.101	26.83		1511.4							
	STO	00200	14.70	36.02	26.85	00.308	1511.0							
13.3	OBS	T00205	14.66	36.017	26.85		1510.9							
	STO	00250	14.31	35.96	26.88	00.371	1510.5							
	STO	00300	13.96	35.90	26.91	00.434	1510.1							
13.3	OBS	00307	13.91	35.892	26.91		1510.0							
	STO	00400	13.43	35.81	26.95	00.557	1509.9							
13.3	OBS	T00408	13.36	35.798	26.95		1509.8							
	STO	00500	12.14	35.56	27.02	00.678	1506.9							
13.3	OBS	00510	11.99	35.537	27.03		1506.5							
	STO	00600	10.48	35.34	27.15	00.790	1502.4							
13.3	OBS	T00611	10.29	35.316	27.17		1501.9							
	STO	00700	08.59											
	STO	00800	07.05											
13.3	OBS	00816	06.84											
	STO	00900	06.00											
	STO	01000	05.16											
13.3	OBS	T01020	05.02											
13.3	OBS	T01565	03.90	34.942	27.77		1492.4							

REFID 31 1519	YEAR 1969	BOTOP 04758	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 20	INST NANSEN CAST	TEN SQ 1306
CONSEC 0006	MONTH 07	SHIP IN	WET BULB 15.6	20 0 4	WIND-SPD 05	TRACE DIR	5 SQUARE 1
LAT 43 59 N	DAY 25	DATA USE 1	BAROMETP 1023.0	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 041 08 W	HOUE 12.8	AREA 05	CLOUD T/A 8/6	CL/TR	WEATHER X1	CRIG D36 006	1 SQUARE 31

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
	STO	00000	19.38	35.69	25.47	00.000	1521.2							
12.8	OBS	00000	19.38	35.694	25.47		1521.2							
	STO	00010	19.37	35.69	25.47	00.025	1521.4							
	STO	00020	19.36	35.69	25.48	00.050	1521.5							
12.8	OBS	00025	19.36	35.695	25.48		1521.6							
	STO	00030	18.26	35.80	25.83	00.073	1518.7							
	STO	00050	15.25	36.05	26.73	00.109	1510.4							
12.8	OBS	00051	15.20	36.054	26.76		1510.2							
	STO	00075	14.80	36.01	26.82	00.141	1509.2							
12.8	OBS	00076	14.79	36.014	26.82		1509.2							
	STO	00100	14.64	36.01	26.85	00.173	1509.1							
12.8	OBS	00102	14.62	36.010	26.85		1509.1							
	STO	00125	14.16	35.91	26.87	00.203	1507.9							
	STO	00150	13.87	35.85	26.89	00.234	1507.3							
12.8	OBS	00152	13.86	35.848	26.89		1507.3							
	STO	00200	13.97	35.91	26.91	00.255	1508.5							
12.8	OBS	T00204	13.97	35.912	26.92		1508.6							
	STO	00250	14.85	35.90	26.93	00.355	1508.9							
	STO	00300	13.64	35.87	26.95	00.415	1509.0							
12.8	OBS	00205	13.61	35.865	26.95		1509.0							
	STO	00400	12.93	35.73	26.99	00.534	1508.1							
12.8	OBS	00406	12.87	35.723	27.00		1508.0							
	STO	00500	11.68	35.51	27.07	00.649	1505.2							
12.8	OBS	00508	11.55	35.494	27.08		1504.9							
	STO	00600	09.77	35.23	27.19	00.757	1499.7							
12.8	OBS	T00610	09.56	35.208	27.20		1499.1							
	STO	00700	07.81											
	STO	00800	06.36											
12.8	OBS	00812	06.22											
	STO	00900	05.65											
	STO	01000	05.10											
12.8	OBS	T01011	05.05	35.004	27.69		1487.9							
12.8	OBS	T01529	03.98	34.952	27.77		1492.1							

TABLE XIV.—Observed and interpolated oceanographic data for stations taken by USCGC ING-HAM at Ocean Station DELTA, 14 July–3 August 1969, prepared from NODC listing No. 31-1519 IN.—Continued

REFID	31	1519	YEAR	1969	BOTDP	04758	AIR TEMP	16.7	OIR HGT PER		WIND-OIR	12	INST NANSEN	CAST	TEN SQ	1306					
CONSEC		0007	MONTH	07	SHIP IN		WET BULB	15.6		18	1	4	TRACE OIR		5	SQUARE	1				
LAT	44	09	N	DAY	26	DATA USE	1	BAROMETR	1018.2	SEA		WIND-SPO	08	DURATION		2	SQUARE	40			
LONG	040	51	W	HOOR	12.8	AREA	05	CLOUD T/A	5/6	CL/TR		WIND-FDR		WEATHER	X2	ORIG	036	007	1	SQUARE	40

CASSTN/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P04	TCT P	NO2	NO3	S103	PH
	STO	00000	19.19	35.48	25.36	00.000	1520.5							
12.8	OBS	00000	19.19	35.482	25.36		1520.5							
	STO	00010	19.19	35.53	25.39	00.026	1520.7							
	STO	00020	19.20	35.57	25.42	00.052	1520.9							
12.8	OBS	00025	19.20	35.593	25.44		1521.0							
	STO	00030	18.63	35.80	25.75	00.076	1519.7							
	STO	00050	16.96	36.32	26.56	00.113	1515.6							
12.8	OBS	00051	16.90	36.336	26.58		1515.7							
	STO	00075	16.29	36.24	26.65	00.150	1514.1							
12.8	OBS	00076	16.26	36.234	26.65		1514.1							
	STO	00100	15.53	36.15	26.74	00.185	1512.1							
12.8	OBS	00102	15.48	36.125	26.75		1512.0							
	STO	00125	15.15	36.07	26.78	00.218	1511.2							
	STO	00150	14.64	36.02	26.81	00.250	1510.6							
12.8	OBS	00152	14.82	36.020	26.82		1510.6							
	STO	00200	14.39	35.95	26.85	00.314	1509.9							
12.8	OBS	T00204	14.35	35.940	26.86		1509.8							
	STO	00250	13.90	35.85	26.88	00.377	1509.0							
	STO	00300	13.51	35.79	26.91	00.439	1508.5							
12.8	OBS	00305	13.48	35.781	26.92		1508.4							
	STO	00400	13.11	35.75	26.97	00.561	1508.7							
12.8	OBS	00406	13.05	35.740	26.97		1508.6							
	STO	00500	11.43	35.46	27.07	00.678	1504.3							
12.8	OBS	00508	11.28	35.442	27.09		1503.9							
	STO	00600	09.36	35.21	27.25	00.781	1498.2							
12.8	OBS	T00603	09.30	35.207	27.25		1498.0							
	STO	00700	07.71	35.10	27.42	00.869	1493.4							
	STO	00800	06.52	35.04	27.54	00.943	1490.4							
12.8	OBS	00812	06.41	35.036	27.55		1490.2							
	STO	00900	06.01	35.06	27.62	01.007	1490.1							
	STO	01000	05.61	35.08	27.69	01.065	1490.1							
12.8	OBS	01015	05.55	35.084	27.70		1490.1							
12.8	OBS	T01524	04.28	35.003	27.78		1493.4							

REFID	31	1519	YEAR	1969	BOTDP	04755	AIR TEMP	15.6	OIR HGT PER		WIND-OIR	34	INST NANSEN	CAST	TEN SQ	1306					
CONSEC		0008	MONTH	08	SHIP IN		WET BULB	13.9		28		3	TRACE OIR		5	SQUARE	1				
LAT	43	59	N	DAY	02	DATA USE	1	BAROMETR	1020.6	SEA		WIND-SPO	05	DURATION		2	SQUARE	20			
LONG	041	04	W	HOOR	00.0	AREA	05	CLOUD T/A	8/7	CL/TR		WIND-FDR		WEATHER	X1	ORIG	036	008	1	SQUARE	31

CASSTN/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P04	TCT P	NO2	NO3	S103	PH
	STO	00000	18.74	35.17	25.24	00.000	1518.8							
00.0	OBS	00000	18.74	35.173	25.24		1518.8							
	STO	00010	18.87	35.24	25.25	00.027	1519.4							
	STO	00020	19.00	35.30	25.27	00.054	1520.0							
00.0	OBS	00025	19.07	35.332	25.28		1520.4							
	STO	00030	18.21	35.55	25.66	00.080	1518.3							
	STO	00050	15.89	36.11	26.65	00.117	1512.4							
00.0	OBS	00051	15.82	36.129	26.67		1512.2							
	STO	00075	15.54	36.13	26.74	00.152	1511.7							
00.0	OBS	00076	15.52	36.133	26.75		1511.7							
	STO	00100	15.06	36.06	26.79	00.185	1510.5							
00.0	OBS	00102	15.03	36.058	26.80		1510.5							
	STO	00125	14.81	36.04	26.83	00.216	1510.1							
	STO	00150	14.57	36.01	26.86	00.248	1509.7							
00.0	OBS	00152	14.55	36.007	26.86		1509.7							
	STO	00200	14.10	35.92	26.89	00.310	1508.9							
00.0	OBS	T00204	14.07	35.916	26.90		1508.9							
	STO	00250	13.91	35.89	26.91	00.371	1509.1							
	STO	00300	13.57	35.84	26.94	00.432	1508.7							
00.0	OBS	00305	13.53	35.831	26.95		1508.7							
	STO	00400	12.41	35.65	27.03	00.549	1506.2							
00.0	OBS	00406	12.32	35.638	27.04		1506.0							
	STO	00500	10.72	35.41	27.16	00.658	1501.7							
00.0	OBS	00508	10.59	35.393	27.17		1501.4							
	STO	00600	69.15	35.26	27.32	00.753	1497.5							
00.0	OBS	T00612	08.97	35.244	27.34		1497.0							
	STO	00700	07.40	35.13	27.48	00.834	1492.3							
	STO	00800	06.14	35.05	27.60	00.902	1488.9							
00.0	OBS	00812	06.03	35.050	27.61		1488.7							
	STO	00900	05.68	35.05	27.66	00.961	1488.7							
	STO	01000	05.33	35.12	27.75	01.013	1489.1							
00.0	OBS	T01007	05.31	35.125	27.76		1489.1							
00.0	OBS	T01515	04.54											

TABLE XIV.—Observed and interpolated oceanographic data for stations taken by USCGC ING-HAM at Ocean Station DELTA, 14 July–3 August 1969, prepared from NODC listing No. 31-1519 IX.—Continued

REFID 31 1519	YEAR 1969	BOTOP 04758	AIR TEMP 16.7	DIF HGT PER	WIND-OIR 34	INST NANSEN CAST	TEN SQ 1306
CCNSEC 0009	MONTH 08	SHIP IN	WET BULB 15.0	34	WIND-SPD 03	TRACE OIR	5 SQUARE 1
LAT 43 55 N	DAY 03	DATA USE 1	BAROMETR 1023.3	SEA 3	WIND-FOR	DURATION	2 SQUARE 20
LONG 041 06 W	HDUP 12.2	AFFA 05	CLOUD T/A 8/4	CL/TR	WEATHER X1	ORIG D36 005	1 SQUARE 31

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	UYNPTH	SND VEL	Uxrg	P04	TOT P	NO2	NO3	S103	PH
.	STD	00000	18.65	35.43	25.46	00.000	1518.9							
12.2	OBS	00000	18.65	35.435	25.46		1518.9							
	STD	00010	18.59	35.47	25.50	00.025	1518.9							
	STD	00020	18.53	35.55	25.56	00.049	1519.0							
12.2	OBS	00025	18.50	35.617	25.64		1519.1							
	STD	00030	17.87	35.77	25.91	00.072	1517.5							
	STD	00050	15.98	36.15	26.65	00.107	1512.7							
12.2	OBS	00051	15.91	36.154	26.67		1512.5							
	STD	00075	15.04	36.02	26.77	00.141	1510.0							
12.2	OBS	00076	15.02	36.021	26.77		1510.0							
	STD	00100	14.85	36.03	26.82	00.173	1509.8							
12.2	OBS	00102	14.83	36.030	26.82		1509.8							
	STD	00125	14.54	35.98	26.84	00.205	1509.2							
	STD	00150	14.30	35.94	26.87	00.236	1508.8							
12.2	OBS	00153	14.28	35.936	26.87		1508.8							
	STD	00200	14.10	35.92	26.90	00.298	1508.9							
12.2	OBS	T00206	14.07	35.918	26.90		1508.9							
	STD	00250	13.88	35.89	26.92	00.359	1509.0							
	STD	00300	13.57	35.84	26.94	00.420	1508.7							
12.2	OBS	00307	13.52	35.829	26.95		1508.7							
	STD	00400	12.68	35.67	27.00	00.539	1507.2							
12.2	OBS	T00407	12.60	35.662	27.00		1507.0							
	STD	00500	11.47	35.48	27.06	00.653	1504.5							
12.2	OBS	00510	11.30	35.459	27.10		1504.0							
	STD	00600	09.21	35.19	27.26	00.756	1497.6							
12.2	OBS	T00610	09.00	35.172	27.27		1497.0							
	STD	00700	07.42	35.08	27.44	00.842	1492.3							
	STD	00800	06.11	35.01	27.57	00.912	1488.7							
12.2	OBS	00814	05.97	35.006	27.56		1488.4							
	STD	00900	05.50	35.01	27.64	00.973	1487.9							
	STD	01000	05.04	35.01	27.70	01.029	1487.7							
12.2	OBS	T01021	04.95	35.005	27.71		1487.7							
12.2	OBS	TC1530	04.00	34.962	27.78		1492.2							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.

REFID 31 8124	YEAR 1969	BOTOP 04572	AIR TEMP 19.1	DIA HGT PER	WIND-OIR 22	INST STD FECCROER	TEN 50 1306
CONSEC 0001	MONTH 08	SHIP YA	WET BULB 18.9	22 2 2	WIND-SPD 12	TRACE OIR 0	5 SQUARE 1
LAT 44 00 N	DAY 05	DATA USE 1	BAROMETR	SEA	WIND-FOR	OURATION 00.2	2 SQUARE 40
LCNG 041 00 W	HOOR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG 037 001	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	STD	00000	18.43	35.28	25.40	00.000	1518.1							
	OBS	00000	18.43	35.28	25.40		1518.1							
	STD	00010	18.42	35.28	25.40	00.025	1518.2							
	OBS	00010	18.42	35.28	25.40		1518.2							
	STD	00020	18.42	35.29	25.41	00.051	1518.4							
	OBS	00020	18.42	35.29	25.41		1518.4							
	STD	00030	18.41	35.53	25.59	00.076	1518.8							
	OBS	00030	18.41	35.53	25.59		1518.8							
	STD	00050	16.25	36.11	26.56	00.115	1513.5							
	OBS	00050	16.25	36.11	26.56		1513.5							
	STD	00075	15.42	36.06	26.71	00.151	1511.2							
	OBS	00075	15.42	36.06	26.71		1511.2							
	STD	00100	15.03	36.04	26.78	00.185	1510.4							
	OBS	00100	15.03	36.04	26.78		1510.4							
	STD	00125	14.75	36.01	26.82	00.217	1509.9							
	OBS	00125	14.75	36.01	26.82		1509.9							
	STD	00150	14.63	35.97	26.82	00.249	1509.9							
	OBS	00150	14.63	35.97	26.82		1509.9							
	STD	00200	14.23	35.90	26.85	00.313	1509.3							
	OBS	00200	14.23	35.90	26.85		1509.3							
	STD	00250	13.93	35.91	26.92	00.375	1509.2							
	OBS	00250	13.93	35.91	26.92		1509.2							
	STD	00300	13.60	35.82	26.92	00.436	1508.8							
	OBS	00300	13.60	35.82	26.92		1508.8							
	STD	00400	13.35	35.78	26.94	00.559	1509.6							
	OBS	00400	13.35	35.78	26.94		1509.6							
	STD	00500	12.04	35.50	26.99	00.681	1506.4							
	OBS	00500	12.04	35.50	26.99		1506.4							
	STD	00600	10.30	35.29	27.15	00.794	1501.7							
	OBS	00600	10.30	35.29	27.15		1501.7							
	STD	00700	08.54	35.15	27.33	00.892	1496.7							
	OBS	00700	08.54	35.15	27.33		1496.7							
	STD	00800	07.13	35.05	27.46	00.975	1492.8							
	OBS	00800	07.13	35.05	27.46		1492.8							
	STD	00900	05.70	34.96	27.58	01.045	1488.7							
	OBS	00900	05.70	34.96	27.58		1488.7							
	STD	01000	05.36	35.00	27.65	01.105	1489.0							
	OBS	01000	05.36	35.00	27.65		1489.0							
	STD	01025	05.35	35.03	27.68		1489.4							
	OBS	01025	05.35	35.03	27.68		1489.4							
	STD	01080	04.96	35.03	27.72		1488.8							
	OBS	01080	04.96	35.03	27.72		1488.8							
	STD	01100	05.12	35.04	27.71	01.160	1489.3							
	OBS	01100	05.12	35.04	27.71		1489.3							
	STD	01200	04.77	35.02	27.74	01.211	1490.0							
	OBS	01200	04.77	35.02	27.74		1490.0							
	STD	01300	04.48	35.00	27.76	01.261	1490.4							
	OBS	01300	04.48	35.00	27.76		1490.4							
	STD	01400	04.28	34.99	27.77	01.309	1491.3							
	OBS	01400	04.28	34.99	27.77		1491.3							
	STD	01500	04.10	34.97	27.77	01.357	1492.2							
	OBS	01500	04.10	34.97	27.77		1492.2							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31–8124 YA.—Continued

REF ID	31 8124	YEAR	1969	BOTOP	04663	AIR TEMP	17.2	OIF HGT PER		WIND-OIF	29	INST STD RECORDER		TEN SQ 1306
CONSEC	0002	MONTH	08	SHIP YA		WET BULB	16.2		29 4 3	WIND-SPD	30	TRACE OIR	0	5 SQUARE 1
LAT	44 00 N	DAY	C5	DATA USE	1	BAROMETR		SEA		WIND-FOR		DURATION	00.2	2 SQUARE 40
LONG	040 56 W	HOUR	06.0	AREA	05	CLOUD T/A		CL/TR		WEATHER	X6	ORIG	037 002	1 SQUARE 40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIJ3	PH
06.0	STD	00000	18.65	35.52	25.53	00.000	1519.0							
	OBS	00000	18.65	35.52	25.53		1519.0							
	STD	C0C10	18.65	35.52	25.53	00.024	1519.1							
	OBS	00010	18.65	35.52	25.53		1519.1							
	STD	00020	18.66	35.52	25.52	00.049	1519.3							
	OBS	00020	18.66	35.52	25.52		1519.3							
	STD	00030	18.67	35.55	25.54	00.074	1519.6							
	OBS	00030	18.67	35.55	25.54		1519.6							
	STD	00050	18.22	35.98	26.47	00.114	1513.2							
	OBS	00050	18.22	35.98	26.47		1513.2							
	STD	00075	15.08	36.00	26.74	00.151	1510.1							
	OBS	00075	15.08	36.00	26.74		1510.1							
	STD	00100	14.79	35.98	26.79	00.184	1509.6							
	OBS	00100	14.79	35.98	26.79		1509.6							
	STD	CC125	14.55	35.96	26.83	00.216	1509.2							
	OBS	00125	14.55	35.96	26.83		1509.2							
	STD	00150	14.22	35.92	26.87	00.247	1508.5							
	OBS	CC150	14.22	35.92	26.87		1508.5							
	STD	00200	14.00	35.90	26.90	00.308	1508.6							
	OBS	00200	14.00	35.90	26.90		1508.6							
	STD	00250	13.69	35.85	26.93	00.369	1508.3							
	OBS	00250	13.69	35.85	26.93		1508.3							
	STD	CC300	13.41	35.78	26.93	00.430	1508.1							
	OBS	00300	13.41	35.78	26.93		1508.1							
	STD	00400	12.82	35.70	26.99	00.550	1507.7							
	OBS	00400	12.82	35.70	26.99		1507.7							
	STD	00500	11.52	35.48	27.07	00.665	1504.6							
	OBS	00500	11.52	35.48	27.07		1504.6							
	STD	00600	09.97	35.24	27.16	00.774	1500.4							
	OBS	00600	09.97	35.24	27.16		1500.4							
	STD	00700	08.16	35.06	27.32	00.871	1495.1							
	OBS	00700	08.16	35.06	27.32		1495.1							
	STD	00750	07.52	35.05	27.40		1493.5							
	OBS	00760	07.59	35.07	27.41		1494.0							
	STD	00800	06.87	35.01	27.47	00.953	1491.7							
	OBS	0C800	06.87	35.01	27.47		1491.7							
	STD	00825	06.44	35.00	27.52		1490.4							
	OBS	0C845	06.40	35.02	27.54		1490.6							
	STD	00900	05.69	34.98	27.60	01.022	1488.7							
	OBS	00900	05.69	34.98	27.60		1488.7							
	STD	00925	05.58	34.99	27.62		1488.6							
	OBS	00950	05.70	35.02	27.63		1489.6							
	STD	00970	05.41	34.98	27.63		1486.7							
	OBS	00982	05.53	35.04	27.66		1489.5							
	STD	01000	05.33	35.01	27.67	01.081	1488.9							
	OBS	01000	05.33	35.01	27.67		1488.9							
	STD	01100	04.90	35.00	27.71	01.135	1488.8							
	OBS	01100	04.90	35.00	27.71		1488.8							
	STD	01200	04.57	34.98	27.73	01.187	1489.1							
	OBS	01200	04.57	34.98	27.73		1489.1							
	STD	01300	04.33	34.97	27.75	01.236	1489.8							
	OBS	01300	04.33	34.97	27.75		1489.8							
	STD	01400	04.20	34.96	27.75	01.286	1490.9							
	OBS	01400	04.20	34.96	27.75		1490.9							
	STD	01500	04.07	34.96	27.77	01.334	1492.0							
	OBS	01500	04.07	34.96	27.77		1492.0							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID 31 8124	YEAP 1969	BOTOP 04608	AIR TEMP 18.7	DIR HGT PER	WIND-DIR 27	INST STO RECDROER	TEN SQ 1306
CONSEC 0003	MONTH 08	SHIP YA	WET BULB 16.9	27 4 2	WIND-SPD 31	TRACE DIR 0	5 SQUARE 1
LAT 44 00 N	DAY 05	DATA USE 1	BARGMETR 1006.2	SEA	WIND-FDP	DURATIDN 00.2	2 SQUARE 40
LONG 040 53 W	HOOR 12.4	AREA 05	CLDUO T/A	CL/TF	WEATHER X1	DRIG D37 C03	1 SQUARE 40

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	QXYG	PD4	TGT P	ND2	ND3	S103	PH
12.4	STD	00000	18.59	35.48	25.51	00.000	1518.8							
	OBS	00000	18.59	35.48	25.51		1518.8							
	STD	00010	18.59	35.50	25.53	00.024	1518.9							
	OBS	00010	18.59	35.50	25.53		1518.9							
	STD	00020	18.58	35.50	25.53	00.049	1519.1							
	OBS	00020	18.58	35.50	25.53		1519.1							
	STD	00030	18.61	35.63	25.62	00.073	1519.5							
	OBS	00030	18.61	35.63	25.62		1519.5							
	STD	00050	16.13	36.03	26.53	00.113	1513.0							
	OBS	00050	16.13	36.03	26.53		1513.0							
	STD	00075	14.87	36.05	26.83	00.147	1509.5							
	OBS	00075	14.87	36.05	26.83		1509.5							
	STD	00100	14.73	36.05	26.86	00.178	1509.5							
	OBS	00100	14.73	36.05	26.86		1509.5							
	STD	00125	14.46	36.02	26.89	00.209	1509.0							
	OBS	00125	14.46	36.02	26.89		1509.0							
	STD	00150	14.22	35.98	26.91	00.239	1508.6							
	OBS	00150	14.22	35.98	26.91		1508.6							
	STD	00200	13.91	35.94	26.95	00.298	1508.3							
	OBS	00200	13.91	35.94	26.95		1508.3							
	STD	00250	13.60	35.86	26.95	00.357	1508.0							
	OBS	00250	13.60	35.86	26.95		1508.0							
	STD	00300	13.43	35.86	26.99	00.416	1508.3							
	OBS	00300	13.43	35.86	26.99		1508.3							
	STD	00400	12.68	35.71	27.02	00.531	1507.2							
	OBS	00400	12.68	35.71	27.02		1507.2							
	STD	00500	11.59	35.47	27.05	00.646	1504.9							
	OBS	00500	11.59	35.47	27.05		1504.9							
	STD	00600	09.79	35.28	27.23	00.754	1499.8							
	OBS	00600	09.79	35.28	27.23		1499.8							
	STD	00700	08.23	35.16	27.38	00.843	1495.5							
	OBS	00700	08.23	35.16	27.38		1495.5							
	STD	00800	06.97	35.05	27.48	00.922	1492.2							
	OBS	00800	06.97	35.05	27.48		1492.2							
	STD	00900	05.71	35.04	27.64	00.988	1488.8							
	OBS	00900	05.71	35.04	27.64		1488.8							
	STD	00982	05.55	35.07	27.69		1489.6							
	OBS	00982	05.55	35.07	27.69		1489.6							
	STD	01000	05.33	35.04	27.69	01.044	1488.9							
	OBS	01000	05.33	35.04	27.69		1488.9							
	STD	01100	04.90	35.02	27.72	01.096	1488.8							
	OBS	01100	04.90	35.02	27.72		1488.8							
	STD	01200	04.60	35.01	27.75	01.146	1489.3							
	OBS	01200	04.60	35.01	27.75		1489.3							
	STD	01300	04.31	34.99	27.77	01.194	1489.7							
	OBS	01300	04.31	34.99	27.77		1489.7							
	STD	01400	04.16	34.97	27.77	01.242	1490.7							
	OBS	01400	04.16	34.97	27.77		1490.7							
	STD	01500	04.03	34.96	27.77	01.289	1491.9							
	OBS	01500	04.03	34.96	27.77		1491.9							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID 31 8124	YEAR 1969	BOTOP 04572	AIR TEMP 17.4	OIR HGT PER	WIND-OIR 32	INST STD RECPDR	TEN SQ 1306
CONSEC 0004	MONTH 08	SHIP YA	WET BULB 15.4	32 7 3	WIND-SPO 26	TRACE OIR 0	5 SQUARE 1
LAT 44 20 N	OAY C5	DATA USE 1	BARDMETR 1008.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 40
LONG 041 05 W	HOUR 18.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	GRIG 037 004	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	OXYG	PD4	TCT P	NO2	NO3	SI03	PH
18.3	STO	00000	18.45	35.34	25.44	00.000	1518.2							
	OBS	00000	18.45	35.34	25.44		1518.2							
	STO	00010	18.45	35.34	25.44	00.025	1518.4							
	OBS	00010	18.45	35.34	25.44		1518.4							
	STO	00020	18.46	35.38	25.47	00.050	1518.6							
	OBS	00020	18.46	35.38	25.47		1518.6							
	STO	00030	17.57	35.85	26.05	00.073	1516.8							
	OBS	00030	17.57	35.85	26.05		1516.8							
	STO	00050	16.13	36.15	26.62	00.107	1513.1							
	OBS	00050	16.13	36.15	26.62		1513.1							
	STO	00075	15.28	36.09	26.77	00.142	1510.8							
	OBS	00075	15.28	36.09	26.77		1510.6							
	STO	00100	14.82	36.04	26.63	00.174	1509.7							
	OBS	00100	14.82	36.04	26.63		1509.7							
	STO	00125	14.56	36.00	26.86	00.205	1509.3							
	OBS	00125	14.56	36.00	26.86		1509.3							
	STO	00150	14.28	35.95	26.88	00.236	1508.7							
	OBS	00150	14.28	35.95	26.88		1508.7							
	STO	00200	13.95	35.91	26.92	00.297	1508.4							
	OBS	00200	13.95	35.91	26.92		1506.4							
	STO	00250	13.75	35.89	26.94	00.357	1508.6							
	OBS	00250	13.75	35.89	26.94		1508.6							
	STO	00300	13.42	35.82	26.96	00.413	1508.2							
	OBS	00300	13.42	35.82	26.96		1508.2							
	STO	00320	13.33	35.81	26.97		1508.2							
	OBS	00350	13.35	35.83	26.98		1508.8							
	STO	00400	12.81	35.70	26.99	00.535	1507.7							
	OBS	00400	12.81	35.70	26.99		1507.7							
	STO	00500	11.34	35.47	27.10	00.649	1504.0							
	OBS	00500	11.34	35.47	27.10		1504.0							
	STO	00600	09.60	35.24	27.23	00.753	1499.1							
	OBS	00600	09.60	35.24	27.23		1499.1							
	STO	00700	07.91	35.09	27.38	00.844	1494.2							
	OBS	00700	07.91	35.09	27.38		1494.2							
	STO	00745	07.39	35.14	27.49		1493.0							
	OBS	00763	07.54	35.18	27.50		1494.0							
	STO	00800	07.35	35.18	27.53	00.920	1493.8							
	OBS	00800	07.35	35.18	27.53		1493.8							
	STO	00900	05.72	35.00	27.61	00.986	1488.8							
	OBS	00900	05.72	35.00	27.61		1488.8							
	STO	01000	05.33	35.03	27.68	01.044	1488.9							
	OBS	01000	05.33	35.03	27.68		1488.9							
	STO	01100	04.73	34.98	27.71	01.097	1488.1							
	OBS	01100	04.73	34.98	27.71		1488.1							
	STO	01200	04.50	34.98	27.74	01.147	1488.8							
	OBS	01200	04.50	34.98	27.74		1488.8							
	STO	01300	04.30	34.97	27.75	01.197	1489.6							
	OBS	01300	04.30	34.97	27.75		1489.6							
	STO	01400	04.16	34.96	27.76	01.245	1490.7							
	OBS	01400	04.16	34.96	27.76		1490.7							
	STO	01500	04.00	34.95	27.77	01.294	1491.7							
	OBS	01500	04.00	34.95	27.77		1491.7							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID 31 8124	YEAR 1969	BDTDP 04572	AIR TEMP 15.8	DIF HGT PER	WIND-OIR 32	INST STD RECORDER	TEN SQ 1306
CONSEC 0005	MONTH 08	SHIP YA	WET BULB 12.8	32 0 3	WIND-SPD 22	TRACE DIR 0	5 SQUARE 1
LAT 44 07 N	DAY 06	DATA USE 1	BAROMETR 1013.1	SEA	WIND-FDR	DURATION 00.2	2 SQUARE 40
LONG 041 00 W	HOOR 00.2	AREA 05	CLCUD T/A	CL/TR	WEATHER X1	ORIG D37 005	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
00.2	STD	00000	18.48	35.71	25.71	00.000	1518.7							
	OBS	00000	18.48	35.71	25.71		1518.7							
	STD	00010	18.48	35.71	25.71	00.022	1518.9							
	OBS	00010	18.48	35.71	25.71		1518.9							
	STD	00020	18.48	35.71	25.71	00.045	1519.1							
	OBS	00020	18.48	35.71	25.71		1519.1							
	STD	00030	18.23	35.89	25.91	00.067	1518.7							
	OBS	00030	18.23	35.89	25.91		1518.7							
	STD	00050	16.41	36.22	26.61	00.103	1514.1							
	OBS	00050	16.41	36.22	26.61		1514.1							
	STD	00075	15.36	36.13	26.78	00.138	1511.1							
	OBS	00075	15.36	36.13	26.78		1511.1							
	STD	00100	14.95	36.07	26.82	00.170	1510.2							
	OBS	00100	14.95	36.07	26.82		1510.2							
	STD	00125	14.68	36.03	26.85	00.201	1509.7							
	OBS	00125	14.68	36.03	26.85		1509.7							
	STD	00150	14.43	35.99	26.88	00.232	1509.3							
	OBS	00150	14.43	35.99	26.88		1509.3							
	STD	00200	14.06	35.93	26.91	00.293	1508.8							
	OBS	00200	14.06	35.93	26.91		1508.8							
	STD	00250	13.83	35.89	26.93	00.353	1508.8							
	OBS	00250	13.83	35.89	26.93		1508.8							
	STD	00300	13.62	35.88	26.96	00.413	1508.9							
	OBS	00300	13.62	35.88	26.96		1508.9							
	STD	00400	13.11	35.78	26.99	00.532	1508.8							
	OBS	00400	13.11	35.78	26.99		1508.8							
	STD	00500	11.28	35.42	27.07	00.647	1503.7							
	OBS	00500	11.28	35.42	27.07		1503.7							
	STD	00600	09.74	35.27	27.23	00.752	1499.6							
	OBS	00600	09.74	35.27	27.23		1499.6							
	STD	00700	08.34	35.12	27.34	00.845	1495.9							
	OBS	00700	08.34	35.12	27.34		1495.9							
	STD	00787	06.95	35.11	27.53		1492.0							
	OBS	00787	06.95	35.11	27.53		1492.0							
	STD	00800	07.16	35.17	27.55	00.923	1493.1							
	OBS	00800	07.16	35.17	27.55		1493.1							
	STD	00815	07.25	35.17	27.54		1493.7							
	OBS	00815	07.25	35.17	27.54		1493.7							
	STD	00900	05.86	35.01	27.60	00.988	1489.4							
	OBS	00900	05.86	35.01	27.60		1489.4							
	STD	01000	05.24	35.02	27.68	01.047	1488.6							
	OBS	01000	05.24	35.02	27.68		1488.6							
	STD	01100	04.86	35.00	27.71	01.100	1488.6							
	OBS	01100	04.86	35.00	27.71		1488.6							
	STD	01200	04.64	34.99	27.73	01.151	1489.4							
	OBS	01200	04.64	34.99	27.73		1489.4							
	STD	01300	04.40	34.98	27.75	01.201	1490.1							
	OBS	01300	04.40	34.98	27.75		1490.1							
	STD	01400	04.21	34.97	27.76	01.250	1490.9							
	OBS	01400	04.21	34.97	27.76		1490.9							
	STD	01500	04.01	34.95	27.77	01.298	1491.8							
	OBS	01500	04.01	34.95	27.77		1491.8							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID 31 8124	YEAR 1969	BOTOP 04663	AIR TEMP 14.9	DIF HGT PER	WIND-DIR 32	INST STD RECORDER	TEN SQ 1306
CONSEC 0006	MONTH 08	SHIP YA	WET BULB 12.0	32 5 4	WIND-SPO 23	TRACE DIR 0	5 SQUARE 1
LAT 43 57 N	DAY 06	DATA USE 1	BAROMETR 1014.0	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 041 00 W	HOUP 06.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG D37 006	1 SQUARE 31

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	JAYG	P24	TGT P	NO2	NO3	S133	PH
	STD	00000	18.46	35.72	25.73	00.000	1518.7							
	OBS	00000	18.46	35.72	25.73		1518.7							
	STD	00010	18.45	35.72	25.73	00.022	1518.8							
	OBS	00010	18.45	35.72	25.73		1518.8							
	STD	00020	18.45	35.72	25.73	00.045	1519.0							
	OBS	00020	18.45	35.72	25.73		1519.0							
	STD	00030	17.98	36.13	26.26	00.065	1517.1							
	OBS	00030	17.98	36.13	26.26		1517.1							
	STD	00050	16.16	36.20	26.65	00.097	1513.3							
	OBS	00050	16.16	36.20	26.65		1513.3							
	STD	00075	15.53	36.14	26.75	00.132	1511.7							
	OBS	00075	15.53	36.14	26.75		1511.7							
	STD	00100	15.05	36.06	26.79	00.164	1510.5							
	OBS	00100	15.05	36.06	26.79		1510.5							
	STD	00125	14.76	36.04	26.84	00.196	1510.0							
	OBS	00125	14.76	36.04	26.84		1510.0							
	STD	00150	14.52	36.01	26.87	00.227	1509.6							
	OBS	00150	14.52	36.01	26.87		1509.6							
	STD	00200	14.15	35.94	26.90	00.269	1509.1							
	OBS	00200	14.15	35.94	26.90		1509.1							
	STD	00250	13.87	35.90	26.93	00.350	1509.0							
	OBS	00250	13.87	35.90	26.93		1509.0							
	STD	00300	13.50	35.82	26.94	00.410	1508.5							
	OBS	00300	13.50	35.82	26.94		1508.5							
	STD	00400	13.20	35.77	26.97	00.531	1509.1							
	OBS	00400	13.20	35.77	26.97		1509.1							
	STD	00500	11.52	35.49	27.08	00.647	1504.6							
	OBS	00500	11.52	35.49	27.08		1504.6							
	STD	00600	09.79	35.26	27.21	00.753	1499.8							
	OBS	00600	09.79	35.26	27.21		1499.8							
	STD	00700	07.89	35.11	27.40	00.843	1494.2							
	OBS	00700	07.89	35.11	27.40		1494.2							
	STD	00774	07.03	35.12	27.53		1492.1							
	OBS	00774	07.03	35.12	27.53		1492.1							
	STD	00800	07.33	35.18	27.53	00.919	1493.8							
	OBS	00800	07.33	35.18	27.53		1493.8							
	STD	00810	07.31	35.18	27.54		1493.8							
	OBS	00810	07.31	35.18	27.54		1493.8							
	STD	00860	06.71	35.15	27.60		1492.3							
	OBS	00860	06.71	35.15	27.60		1492.3							
	STD	00875	06.40	35.12	27.62		1491.3							
	OBS	00875	06.40	35.12	27.62		1491.3							
	STD	00900	05.88	35.03	27.61	00.984	1489.5							
	OBS	00900	05.88	35.03	27.61		1489.5							
	STD	01000	05.46	35.04	27.67	01.042	1489.5							
	OBS	01000	05.46	35.04	27.67		1489.5							
	STD	01100	04.89	34.99	27.70	01.097	1488.8							
	OBS	01100	04.89	34.99	27.70		1488.8							
	STD	01200	04.71	35.00	27.73	01.149	1489.7							
	OBS	01200	04.71	35.00	27.73		1489.7							
	STD	01300	04.42	34.98	27.75	01.199	1490.1							
	OBS	01300	04.42	34.98	27.75		1490.1							
	STD	01400	04.27	34.97	27.76	01.249	1491.2							
	OBS	01400	04.27	34.97	27.76		1491.2							
	STD	01500	04.08	34.96	27.77	01.298	1492.1							
	OBS	01500	04.08	34.96	27.77		1492.1							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID	31	8124	YEAR	1969	BDTOP	04663	AIR TEMP	15.7	DIR HGT PER	WIND-OIR	32	INST STD RECORDER	TEN SQ	1306	
CONSEC		0007	MONTH	06	SHIP YA		WET BULB	11.9	36	6	2	TRACE OIR	0	5 SQUARE	1
LAT	43	58	N	DAY	06	DATA USE	1	BAROMETR	1017.2	SEA		DURATION	00.2	2 SQUARE	20
LONG	040	59	W	HOOR	12.4	AREA	05	CLOUDO T/A		CL/TR		WEATHER	X1	ORIG 037 007	1 SQUARE 30

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	QXYG	P34	TOT P	NO2	NO3	SI33	PH
	STD	00000	18.35	35.72	25.75	00.000	1516.4							
12.4	OBS	00000	18.35	35.72	25.75		1518.4							
	STD	00010	18.35	35.72	25.75	00.022	1516.5							
	OBS	00010	18.35	35.72	25.75		1518.5							
	STD	00020	18.35	35.72	25.75	00.045	1518.7							
	OBS	00020	18.35	35.72	25.75		1518.7							
	STD	00030	18.20	35.83	25.88	00.067	1518.6							
	OBS	00030	18.20	35.83	25.88		1518.6							
	STD	00050	16.35	36.21	26.61	00.103	1513.9							
	OBS	00050	16.35	36.21	26.61		1513.9							
	STD	00075	15.43	36.10	26.74	00.137	1511.3							
	OBS	00075	15.43	36.10	26.74		1511.3							
	STD	00100	15.03	36.07	26.81	00.170	1510.4							
	OBS	00100	15.03	36.07	26.81		1510.4							
	STD	00125	14.71	36.05	26.86	00.202	1509.8							
	OBS	00125	14.71	36.05	26.86		1509.8							
	STD	00150	14.54	36.01	26.87	00.233	1509.6							
	OBS	00150	14.54	36.01	26.87		1509.6							
	STD	00200	14.16	35.93	26.89	00.294	1509.1							
	OBS	00200	14.16	35.93	26.89		1509.1							
	STD	00250	13.82	35.87	26.91	00.350	1508.8							
	OBS	00250	13.82	35.87	26.91		1508.8							
	STD	00300	13.44	35.82	26.96	00.410	1508.3							
	OBS	00300	13.44	35.82	26.96		1508.3							
	STD	00400	13.06	35.75	26.98	00.535	1508.0							
	OBS	00400	13.06	35.75	26.98		1508.0							
	STD	00500	11.45	35.49	27.09	00.650	1504.4							
	OBS	00500	11.45	35.49	27.09		1504.4							
	STD	00600	09.65	35.27	27.24	00.754	1499.3							
	OBS	00600	09.65	35.27	27.24		1499.3							
	STD	00700	08.20	35.14	27.37	00.844	1495.4							
	OBS	00700	08.20	35.14	27.37		1495.4							
	STD	00782	06.99	35.13	27.54		1492.1							
	OBS	00782	06.99	35.13	27.54		1492.1							
	STD	00800	07.20	35.17	27.54	00.921	1493.2							
	OBS	00800	07.20	35.17	27.54		1493.2							
	STD	00810	07.14	35.15	27.54		1493.1							
	OBS	00810	07.14	35.15	27.54		1493.1							
	STD	00820	07.20	35.19	27.56		1493.6							
	OBS	00820	07.20	35.19	27.56		1493.6							
	STD	00865	06.28	35.08	27.60		1490.6							
	OBS	00865	06.28	35.08	27.60		1490.6							
	STD	00872	06.39	35.11	27.61		1491.2							
	OBS	00872	06.39	35.11	27.61		1491.2							
	STD	00880	06.15	35.06	27.60		1490.3							
	OBS	00880	06.15	35.06	27.60		1490.3							
	STD	00900	06.06	35.08	27.63	00.985	1490.3							
	OBS	00900	06.06	35.08	27.63		1490.3							
	STD	01000	05.34	35.02	27.67	01.043	1489.0							
	OBS	01000	05.34	35.02	27.67		1489.0							
	STD	01100	04.83	35.00	27.72	01.096	1488.5							
	OBS	01100	04.83	35.00	27.72		1488.5							
	STD	01200	04.58	34.99	27.74	01.147	1489.1							
	OBS	01200	04.58	34.99	27.74		1489.1							
	STD	01300	04.35	34.98	27.75	01.196	1489.9							
	OBS	01300	04.35	34.98	27.75		1489.9							
	STD	01400	04.17	34.97	27.77	01.244	1490.8							
	OBS	01400	04.17	34.97	27.77		1490.8							
	STD	01500	04.07	34.96	27.77	01.293	1492.0							
	OBS	01500	04.07	34.96	27.77		1492.0							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID 31 8124	YEAR 1969	BOCTOP 04572	AIR TEMP 15.7	DIF HGT PER	WIND-DIF 31	INST STO RECORDER	TEN SO 1306
CONSEC 0008	MONTH 08	SHIP YA	WET BULB 11.8	36 5 4	WIND-SPD 11	TRACE DIR 0	5 SQUARE 1
LAT 44 02 N	DAY 06	DATA USE 1	BAROMETR 1018.2	SEA	WIND-FOR	OURATION 00.3	2 SQUARE 40
LONG 041 01 W	HOUR 18.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 037 008	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	UXYG	PJ4	TOT P	NO2	NO3	S103	PH
18.2	STO	00000	18.49	35.72	25.72	00.000	1518.8							
	OBS	00000	18.49	35.72	25.72		1518.8							
	STO	00010	18.49	35.72	25.72	00.022	1518.9							
	OBS	00010	18.49	35.72	25.72		1518.9							
	STO	00020	18.49	35.72	25.72	00.045	1519.1							
	OBS	00020	18.49	35.72	25.72		1519.1							
	STO	00030	18.47	35.72	25.72	00.068	1519.2							
	OBS	00030	18.47	35.72	25.72		1519.2							
	STO	00050	16.09	36.12	26.61	00.106	1513.0							
	OBS	00050	16.09	36.12	26.61		1513.0							
	STO	00075	15.42	36.09	26.74	00.141	1511.3							
	OBS	00075	15.42	36.09	26.74		1511.3							
	STO	00100	15.03	36.04	26.78	00.174	1510.4							
	OBS	00100	15.03	36.04	26.78		1510.4							
	STO	00125	14.71	36.00	26.82	00.206	1509.7							
	OBS	00125	14.71	36.00	26.82		1509.7							
	STO	00150	14.67	35.99	26.82	00.238	1510.0							
	OBS	00150	14.67	35.99	26.82		1510.0							
	STO	00200	14.18	35.91	26.87	00.301	1509.2							
	OBS	00200	14.18	35.91	26.87		1509.2							
	STO	00250	14.00	35.90	26.90	00.363	1509.4							
	OBS	00250	14.00	35.90	26.90		1509.4							
	STO	00300	13.73	35.85	26.92	00.425	1509.3							
	OBS	00300	13.73	35.85	26.92		1509.3							
	STO	00400	13.27	35.76	26.94	00.548	1509.3							
	OBS	00400	13.27	35.76	26.94		1509.3							
	STO	00500	11.33	35.44	27.08	00.665	1503.9							
	OBS	00500	11.33	35.44	27.08		1503.9							
	STO	00600	09.64	35.20	27.19	00.772	1499.2							
	OBS	00600	09.64	35.20	27.19		1499.2							
	STO	00700	08.12	35.11	27.36	00.866	1495.0							
	OBS	00700	08.12	35.11	27.36		1495.0							
	STO	00748	07.36	35.14	27.50		1493.0							
	OBS	00748	07.36	35.14	27.50		1493.0							
	STO	00775	07.52	35.17	27.50		1494.1							
	OBS	00775	07.52	35.17	27.50		1494.1							
	STO	00800	07.40	35.15	27.50	00.945	1494.0							
	OBS	00800	07.40	35.15	27.50		1494.0							
	STO	00900	05.74	34.99	27.60	01.012	1488.9							
	OBS	00900	05.74	34.99	27.60		1488.9							
	STO	00980	05.17	34.98	27.66		1487.9							
	OBS	00980	05.17	34.98	27.66		1487.9							
	STO	01000	05.16	35.00	27.68	01.070	1488.2							
	OBS	01000	05.16	35.00	27.68		1488.2							
	STO	01055	04.96	34.99	27.69		1488.3							
	OBS	01055	04.96	34.99	27.69		1488.3							
	STO	01100	04.95	35.00	27.70	01.124	1489.0							
	OBS	01100	04.95	35.00	27.70		1489.0							
	STO	01200	04.62	34.98	27.72	01.176	1489.3							
	OBS	01200	04.62	34.98	27.72		1489.3							
	STO	01300	04.30	34.96	27.74	01.227	1489.6							
	OBS	01300	04.30	34.96	27.74		1489.6							
	STO	01400	04.12	34.95	27.76	01.276	1490.5							
	OBS	01400	04.12	34.95	27.76		1490.5							
	STO	01500	04.01	34.95	27.77	01.324	1491.8							
	OBS	01500	04.01	34.95	27.77		1491.8							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REF ID	31 8124	YEAR	1969	BOTOP	04572	AIR TEMP	14.9	DIR HGT	PER	WIND-DIR	30	INST STD RECORDER	.TEN SQ 1306
CONSEC	0009	MONTH	08	SHIP YA		WET BULB	12.0		29 5 2	WIND-SPO	08	TRACE DIR	5 SQUARE 1
LAT	44 15 N	DAY	07	DATA YE	1	BAROMETR	1019.2	SEA		WIND-FOR		DURATION	00.5
LONG	041 00 W	HOUR	00.5	AREA	05	CLCUO T/A		CL/TR		WEATHER	X1	ORIG D37 009	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	P04	TOT P	N02	N03	S103	PH
00.5	STD	00000	18.40	35.62	25.66	00.000	1518.4							
	OBS	00000	18.40	35.62	25.66		1518.4							
	STD	00010	18.40	35.64	25.68	00.023	1518.6							
	OBS	00010	18.40	35.64	25.68		1518.6							
	STD	00020	18.38	35.67	25.71	00.046	1518.7							
	OBS	00020	18.38	35.67	25.71		1518.7							
	STD	00030	18.37	35.72	25.75	00.069	1518.9							
	OBS	00030	18.37	35.72	25.75		1518.9							
	STD	00050	16.13	36.13	26.60	00.106	1513.1							
	OBS	00050	16.13	36.13	26.60		1513.1							
	STD	00075	15.39	36.06	26.72	00.141	1511.1							
	OBS	00075	15.39	36.06	26.72		1511.1							
	STD	00100	15.00	36.02	26.78	00.175	1510.3							
	OBS	00100	15.00	36.02	26.78		1510.3							
	STD	00125	14.71	35.98	26.81	00.207	1509.7							
	OBS	00125	14.71	35.98	26.81		1509.7							
	STD	00150	14.49	35.94	26.83	00.239	1509.4							
	OBS	00150	14.49	35.94	26.83		1509.4							
	STD	00200	14.04	35.87	26.87	00.302	1508.7							
	OBS	00200	14.04	35.87	26.87		1508.7							
	STD	00250	13.87	35.85	26.89	00.365	1508.9							
	OBS	00250	13.87	35.85	26.89		1508.9							
	OBS	00280	13.69	35.83	26.91		1508.8							
	STD	00300	13.58	35.83	26.93	00.426	1506.8							
	OBS	00300	13.58	35.83	26.93		1506.8							
	OBS	00345	13.46	35.81	26.94		1509.1							
	STD	00400	13.21	35.71	26.92	00.550	1509.0							
	OBS	00400	13.21	35.71	26.92		1509.0							
	STD	00500	11.52	35.45	27.05	00.670	1504.6							
	OBS	00500	11.52	35.45	27.05		1504.6							
	STD	00600	09.57	35.19	27.15	00.778	1498.9							
	OBS	00600	09.57	35.19	27.15		1498.9							
	STD	00700	08.27	35.13	27.35	00.871	1495.6							
	OBS	00700	08.27	35.13	27.35		1495.6							
	OBS	00740	07.54	35.13	27.46		1493.6							
	OBS	00758	07.74	35.16	27.46		1494.6							
	STD	00800	07.17	35.13	27.52	00.950	1493.1							
	OBS	00800	07.17	35.13	27.52		1493.1							
	STD	00900	05.62	35.00	27.62	01.015	1488.4							
	OBS	00900	05.62	35.00	27.62		1488.4							
	STD	01000	05.09	34.98	27.67	01.073	1487.9							
	OBS	01000	05.09	34.98	27.67		1487.9							
	STD	01100	04.86	35.01	27.72	01.126	1486.7							
	OBS	01100	04.86	35.01	27.72		1486.7							
	STD	01200	04.65	35.01	27.74	01.176	1489.5							
	OBS	01200	04.65	35.01	27.74		1489.5							
	STD	01300	04.29	34.98	27.76	01.225	1489.6							
	OBS	01300	04.29	34.98	27.76		1489.6							
	STD	01400	04.14	34.98	27.78	01.272	1490.7							
	OBS	01400	04.14	34.98	27.78		1490.7							
	STD	01500	03.97	34.97	27.75	01.318	1491.6							
	OBS	01500	03.97	34.97	27.75		1491.6							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

PEFID 31 8124	YEAR 1969	80TOP 04572	AIR TEMP 15.6	DIR HGT PER	WIND-DIP 18	INST STD RECORDER	TEN SQ 1306
CDNSEC 0010	MONTH 08	SHIP YA	WET BULB 12.9	29 3 2	WIND-SPD 03	TRACE DIR	5 SQUARE 1
LAT 44 00 N	DAY 07	DATA USE 1	BAROMETR 1017.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 40
LONG 041 00 W	HOOR 06.5	AREA 05	CLOUD T/A	CL/T/P	WEATHER X5	ORIG D37 010	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P34	TCT P	NO2	NO3	SIO3	PM
06.5	STD	00000	18.31	35.41	25.53	00.000	1517.9							
	OBS	00000	18.31	35.41	25.53		1517.9							
	STD	00010	18.31	35.41	25.52	00.024	1518.0							
	OBS	00010	18.31	35.41	25.53		1518.0							
	STD	00020	18.31	35.41	25.53	00.049	1518.2							
	OBS	00020	18.31	35.41	25.53		1518.2							
	STD	00030	18.31	35.68	25.73	00.073	1518.7							
	OBS	00030	18.31	35.68	25.73		1518.7							
	STD	00050	15.40	35.96	26.64	00.110	1510.6							
	OBS	00050	15.40	35.96	26.64		1510.6							
	STD	00075	15.00	36.03	26.78	00.144	1509.9							
	OBS	00075	15.00	36.03	26.78		1509.9							
	STD	00100	14.70	36.01	26.83	00.176	1509.3							
	OBS	00100	14.70	36.01	26.83		1509.3							
	STD	00125	14.42	35.96	26.86	00.207	1508.8							
	OBS	00125	14.42	35.96	26.86		1508.8							
	STD	00150	14.10	35.92	26.89	00.238	1508.1							
	OBS	00150	14.10	35.92	26.89		1508.1							
	STD	00200	13.92	35.91	26.92	00.298	1508.3							
	OBS	00200	13.92	35.91	26.92		1508.3							
	STD	00250	13.49	35.83	26.95	00.357	1507.6							
	OBS	00250	13.49	35.83	26.95		1507.6							
	STD	00265	13.51	35.84	26.96		1508.0							
	OBS	00265	13.51	35.84	26.96		1508.0							
	STD	00300	13.29	35.80	26.97	00.416	1507.8							
	OBS	00300	13.29	35.80	26.97		1507.8							
	STD	00345	13.18	35.79	26.99		1508.1							
	OBS	00345	13.18	35.79	26.99		1508.1							
	STD	00400	12.57	35.65	27.00	00.554	1506.8							
	OBS	00400	12.57	35.65	27.00		1506.8							
	STD	00500	11.31	35.46	27.09	00.648	1503.9							
	OBS	00500	11.31	35.46	27.09		1503.9							
	STD	00600	09.57	35.23	27.22	00.752	1499.0							
	OBS	00600	09.57	35.23	27.22		1499.0							
	STD	00700	07.86	35.08	27.38	00.842	1494.0							
	OBS	00700	07.86	35.08	27.38		1494.0							
	STD	00800	06.69	34.96	27.45	00.922	1491.0							
	OBS	00800	06.69	34.96	27.45		1491.0							
	STD	00900	05.45	34.97	27.62	00.950	1487.7							
	OBS	00900	05.45	34.97	27.62		1487.7							
	STD	01000	05.14	35.01	27.69	01.047	1488.1							
	OBS	01000	05.14	35.01	27.69		1488.1							
	STD	01100	04.78	35.00	27.72	01.099	1488.3							
	OBS	01100	04.78	35.00	27.72		1488.3							
	STD	01200	04.56	35.00	27.75	01.149	1489.1							
	OBS	01200	04.56	35.00	27.75		1489.1							
	STD	01300	04.41	34.99	27.76	01.198	1490.1							
	OBS	01300	04.41	34.99	27.76		1490.1							
	STD	01400	04.18	34.97	27.76	01.246	1490.8							
	OBS	01400	04.18	34.97	27.76		1490.8							
	STD	01500	03.91	34.93	27.76	01.294	1491.3							
	OBS	01500	03.91	34.93	27.76		1491.3							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID 31 8124 YEAR 1969 BOTOP 04663 AIR TEMP 16.1 OIR HGT PER WIND-OIR 15 INST STO RECORDER TEN SQ 1306
 CONSEC 0011 MONTH 08 SHIP YA WET BULB 15.0 10 5 5 WIND-SPO 08 TRACE OIR 0 5 SQUARE 1
 LAT 44 03 N DAY 07 DATA USE 1 BAROMETR 1017.4 SEA CL/TR WIND-FCR OURATION 00.3 2 SQUARE 40
 LONG 040 57 W HOUR 12.4 AREA 05 CLOUD T/A WEATHER X5 ORIG 037 011 1 SQUARE 40

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
12.4	STO	00000	18.51	35.44	25.50	00.000	1518.5							
	OBS	00000	18.51	35.44	25.50		1518.5							
	STO	00010	18.51	35.44	25.50	00.024	1518.6							
	OBS	00010	18.51	35.44	25.50		1518.6							
	STO	00020	18.51	35.45	25.51	00.049	1518.8							
	OBS	00020	18.51	35.45	25.51		1518.8							
	STO	00030	18.28	35.84	25.86	00.073	1518.8							
	OBS	00030	18.28	35.84	25.86		1518.8							
	STO	00050	15.82	36.09	26.64	00.108	1512.1							
	OBS	00050	15.82	36.09	26.64		1512.1							
	STO	00075	15.01	36.00	26.76	00.143	1509.9							
	OBS	00075	15.01	36.00	26.76		1509.9							
	STO	00100	14.70	35.97	26.80	00.175	1509.3							
	OBS	00100	14.70	35.97	26.80		1509.3							
	STO	00125	14.72	36.00	26.82	00.207	1509.8							
	OBS	00125	14.72	36.00	26.82		1509.8							
	STO	00150	14.50	35.96	26.84	00.239	1509.4							
	OBS	00150	14.50	35.96	26.84		1509.4							
	STO	00200	13.94	35.86	26.88	00.302	1508.3							
	OBS	00200	13.94	35.86	26.88		1508.3							
	STO	00250	13.62	35.81	26.91	00.363	1508.0							
	OBS	00250	13.62	35.81	26.91		1508.0							
	STO	00275	13.42	35.78	26.93	00.424	1507.8							
	OBS	00300	13.51	35.82	26.94		1508.5							
	STO	00300	13.51	35.82	26.94		1508.5							
	OBS	00335	13.51	35.82	26.94		1509.1							
	STO	00400	13.01	35.73	26.97	00.544	1508.4							
	OBS	00400	13.01	35.73	26.97		1508.4							
	STO	00500	11.28	35.43	27.08	00.660	1503.7							
	OBS	00500	11.28	35.43	27.08		1503.7							
	STO	00600	09.45	35.20	27.22	00.765	1496.5							
	OBS	00600	09.45	35.20	27.22		1496.5							
	STO	00700	07.86	35.07	27.37	00.856	1494.0							
	OBS	00700	07.86	35.07	27.37		1494.0							
	STO	00750	07.23	35.04	27.44		1492.4							
	OBS	00765	07.11	35.04	27.46		1492.1							
	STO	00775	07.20	35.07	27.47		1492.7							
	OBS	00800	06.82	35.06	27.51	00.934	1491.6							
	STO	00800	06.82	35.06	27.51		1491.6							
	OBS	00900	05.62	34.96	27.59	01.001	1488.4							
	STO	00900	05.62	34.96	27.59		1488.4							
	OBS	01000	05.09	34.98	27.67	01.060	1487.9							
	STO	01000	05.09	34.98	27.67		1487.9							
	OBS	01100	04.91	35.00	27.71	01.113	1488.8							
	STO	01100	04.91	35.00	27.71		1488.8							
	OBS	01200	04.67	34.99	27.73	01.165	1489.5							
	STO	01200	04.67	34.99	27.73		1489.5							
	OBS	01300	04.39	34.97	27.74	01.216	1490.0							
	STO	01300	04.39	34.97	27.74		1490.0							
	OBS	01400	04.17	34.96	27.76	01.265	1490.8							
	STO	01400	04.17	34.96	27.76		1490.8							
	OBS	01500	04.12	34.96	27.76	01.314	1492.2							
	STO	01500	04.12	34.96	27.76		1492.2							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID 31 8124	YEAR 1969	ROTD 04572	AIR TEMP 18.0	DIR HGT PER	WIND-DIR 14	INST STD RECORDER	TEN SQ 1306
CONSEC 0012	MONTH 08	SHIP YA	WET BULB 16.6	29 2 2	WIND-SFD 06	TRACE DIR 0	5 SQUARE 1
LAT 44 00 N	DAY 07	DATA USE 1	BAROMETR 1016.7	SEA	WIND-FLR	DURATION 00.3	2 SQUARE 40
LONG 040 58 W	HR 18.0	AREA 05	CLOUD T/A	CL/TF	WEATHER x1	CRIG D37 012	1 SQUARE 40

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DXYS	P34	TCT P	NDZ	VG3	S103	PH
18.0	STD	00000	18.55	35.33	25.41	00.000	1518.5							
	OBS	00000	18.55	35.33	25.41		1518.5							
	STD	00010	18.51	35.38	25.45	00.025	1518.6							
	OBS	00010	18.51	35.38	25.45		1518.6							
	STD	00020	18.52	35.43	25.49	00.050	1518.8							
	OBS	00020	18.52	35.43	25.49		1518.8							
	STD	00030	18.53	35.63	25.64	00.075	1519.3							
	OBS	00030	18.53	35.63	25.64		1519.3							
	STD	00050	16.28	36.00	26.47	00.114	1513.4							
	OBS	00050	16.28	36.00	26.47		1513.4							
	STD	00075	15.44	36.09	26.73	00.151	1511.3							
	OBS	00075	15.44	36.09	26.73		1511.3							
	STD	00100	15.07	35.97	26.72	00.185	1510.4							
	OBS	00100	15.07	35.97	26.72		1510.4							
	STD	00125	14.57	35.95	26.82	00.218	1509.2							
	OBS	00125	14.57	35.95	26.82		1509.2							
	STD	00150	14.37	35.93	26.84	00.250	1509.0							
	OBS	00150	14.37	35.93	26.84		1509.0							
	STD	00200	14.14	35.91	26.88	00.312	1509.0							
	OBS	00200	14.14	35.91	26.88		1509.0							
	STD	00250	13.79	35.85	26.91	00.374	1508.6							
	OBS	00250	13.79	35.85	26.91		1508.6							
	STD	00300	13.67	35.84	26.92	00.435	1509.1							
	OBS	00300	13.67	35.84	26.92		1509.1							
	STD	00400	13.02	35.71	26.96	00.558	1508.4							
	OBS	00400	13.02	35.71	26.96		1508.4							
	STD	00500	11.60	35.50	27.07	00.675	1504.9							
	OBS	00500	11.60	35.50	27.07		1504.9							
	STD	00600	09.93	35.27	27.19	00.782	1500.3							
	OBS	00600	09.93	35.27	27.19		1500.3							
	STD	00700	07.88	35.12	27.41	00.873	1494.1							
	OBS	00700	07.88	35.12	27.41		1494.1							
	STD	00760	07.33	35.05	27.43		1492.9							
	OBS	00760	07.33	35.05	27.43		1492.9							
	STD	00770	07.49	35.13	27.47		1493.8							
	OBS	00770	07.49	35.13	27.47		1493.8							
	STD	00800	06.63	35.06	27.54	00.997	1490.9							
	OBS	00800	06.63	35.06	27.54		1490.9							
	STD	00900	05.49	34.99	27.63	01.010	1487.9							
	OBS	00900	05.49	34.99	27.63		1487.9							
	STD	01000	05.15	35.02	27.65	01.066	1488.2							
	OBS	01000	05.15	35.02	27.65		1488.2							
	STD	01100	04.88	35.02	27.73	01.118	1488.8							
	OBS	01100	04.88	35.02	27.73		1488.8							
	STD	01200	04.70	35.02	27.75	01.168	1489.7							
	OBS	01200	04.70	35.02	27.75		1489.7							
	STD	01300	04.41	35.00	27.76	01.217	1490.1							
	OBS	01300	04.41	35.00	27.76		1490.1							
	STD	01400	04.21	34.99	27.78	01.264	1491.0							
	OBS	01400	04.21	34.99	27.78		1491.0							
	STD	01500	04.04	34.98	27.79	01.311	1491.9							
	OBS	01500	04.04	34.98	27.79		1491.9							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID 31 8124	YEAP 1969	BOTDP 04572	AIR TEMP 18.3	OIF HGT PER	WIND-DIR 20	INST STD RECDROEP	TEN SQ 1306
CONSEC 0013	MONTH 08	SHIP YA	WET BULB 18.0	23 4 5	WIND-SFD 05	TRACE DIR 0	5 SQUARE 1
LAT 44 02 N	DAY 08	DATA USE 1	BAROMETF 1016.6	SEA	WIND-FCK	DURATION	2 SQUARE 40
LONG 040 58 W	HOOR 00.3	AREA 05	CLOUD T/A	CL/TF	WEATHER X1	CRIG D37 013	1 SQUARE 40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VcL	OXYG	PJ4	TCT P	NO2	NO3	SI03	PH
	STD	00000	18.13	34.82	25.12	00.000	1516.7							
	OBS	00000	18.13	34.82	25.12		1516.7							
	STD	00010	18.55	35.25	25.34	00.027	1518.5							
	OBS	00010	18.55	35.25	25.34		1518.5							
	STD	00020	18.48	35.63	25.65	00.052	1519.0							
	OBS	00020	18.48	35.63	25.65		1519.0							
	STD	00030	18.43	35.74	25.75	00.075	1519.1							
	OBS	00030	18.43	35.74	25.75		1519.1							
	STD	00050	16.06	36.16	26.64	00.112	1512.9							
	OBS	00050	16.06	36.16	26.64		1512.9							
	STD	00075	15.40	36.02	26.69	00.147	1511.1							
	OBS	00075	15.40	36.02	26.69		1511.1							
	STD	00100	14.96	36.00	26.77	00.161	1510.1							
	OBS	00100	14.96	36.00	26.77		1510.1							
	STD	00125	14.93	35.99	26.77	00.214	1510.4							
	OBS	00125	14.93	35.99	26.77		1510.4							
	STD	00150	14.79	36.02	26.82	00.247	1510.4							
	OBS	00150	14.79	36.02	26.82		1510.4							
	STD	00200	14.21	35.88	26.84	00.311	1509.2							
	OBS	00200	14.21	35.88	26.84		1509.2							
	STD	00250	13.94	35.87	26.89	00.374	1509.2							
	OBS	00250	13.94	35.87	26.89		1509.2							
	STD	00300	13.76	35.85	26.91	00.436	1509.4							
	OBS	00300	13.76	35.85	26.91		1509.4							
	STD	00400	13.15	35.73	26.95	00.559	1508.8							
	OBS	00400	13.15	35.73	26.95		1508.8							
	STD	00500	11.53	35.46	27.05	00.677	1504.6							
	OBS	00500	11.53	35.46	27.05		1504.6							
	STD	00600	09.72	35.21	27.18	00.786	1499.5							
	OBS	00600	09.72	35.21	27.18		1499.5							
	STD	00700	08.37	35.12	27.33	00.881	1496.0							
	OBS	00700	08.37	35.12	27.33		1496.0							
	STD	00800	06.92	35.09	27.52	00.960	1492.0							
	OBS	00800	06.92	35.09	27.52		1492.0							
	STD	00809	07.67	35.11	27.52		1492.8							
	OBS	00809	07.67	35.11	27.52		1492.8							
	STD	00900	06.08	35.00	27.56	01.028	1490.3							
	OBS	00900	06.08	35.00	27.56		1490.3							
	STD	00920	05.76	35.02	27.62		1489.3							
	OBS	00920	05.76	35.02	27.62		1489.3							
	STD	00930	05.83	35.04	27.63		1489.8							
	OBS	00930	05.83	35.04	27.63		1489.8							
	STD	01000	05.34	35.01	27.66	01.089	1488.9							
	OBS	01000	05.34	35.01	27.66		1488.9							
	STD	01100	04.94	35.00	27.70	01.144	1489.0							
	OBS	01100	04.94	35.00	27.70		1489.0							
	STD	01200	04.62	34.97	27.72	01.190	1489.3							
	OBS	01200	04.62	34.97	27.72		1489.3							
	STD	01300	04.38	34.97	27.74	01.247	1490.0							
	OBS	01300	04.38	34.97	27.74		1490.0							
	STD	01400	04.26	34.97	27.76	01.297	1491.1							
	OBS	01400	04.26	34.97	27.76		1491.1							
	STD	01500	04.01	34.95	27.77	01.345	1491.6							
	OBS	01500	04.01	34.95	27.77		1491.6							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID 31 8124	YEAR 1969	BOTDP 04572	AIR TEMP 19.7	DIR HGT PER	WIND-DIR 24	INST STO RECORDER	TEN SQ 1306
CONSEC 0014	MONTH 08	SHIP YA	WET BULB 19.3	23 4 2	WIND-SPD 20	TRACE DIR D	5 SQUARE 1
LAT 44 08 N	DAY 08	DATA USE 1	BAROMETR 1013.7	SEA	WIND-FDR	DURATION 00.2	2 SQUARE 40
LONG 040 54 W	HOOR 06.2	AREA 05	CLCUD T/A	CL/TR	WEATHER X1	CRIG D37 G14	1 SQUARE 40

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P24	TOT P	NO2	NO3	SIO3	PH
06.2	STO	00000	18.56	35.47	25.51	00.000	1516.7							
	OBS	00000	18.56	35.47	25.51		1518.7							
	STO	00010	18.56	35.47	25.51	00.024	1518.8							
	OBS	00010	18.56	35.47	25.51		1518.8							
	STO	00020	18.56	35.52	25.55	00.049	1519.1							
	OBS	00020	18.56	35.52	25.55		1519.1							
	STO	00030	18.58	35.56	25.57	00.073	1519.3							
	OBS	00030	18.58	35.56	25.57		1519.3							
	STO	00050	15.67	36.06	26.66	00.112	1511.6							
	OBS	00050	15.67	36.06	26.66		1511.6							
	STO	00068	14.80	35.96	26.77		1509.1							
	OBS	00068	14.80	35.96	26.77		1509.1							
	STO	00075	14.90	36.03	26.81	00.145	1509.6							
	OBS	00075	14.90	36.03	26.81		1509.6							
	STO	00100	14.75	36.01	26.82	00.177	1509.5							
	OBS	00100	14.75	36.01	26.82		1509.5							
	STO	00125	14.43	35.99	26.88	00.208	1508.8							
	OBS	00125	14.43	35.99	26.88		1508.8							
	STO	00150	14.24	35.96	26.89	00.239	1508.6							
	OBS	00150	14.24	35.96	26.89		1508.6							
	STO	00200	13.92	35.90	26.92	00.299	1508.3							
	OBS	00200	13.92	35.90	26.92		1508.3							
	STO	00250	13.71	35.88	26.95	00.359	1508.4							
	OBS	00250	13.71	35.88	26.95		1508.4							
	STO	00300	13.57	35.87	26.97	00.418	1508.8							
	OBS	00300	13.57	35.87	26.97		1508.8							
	STO	00400	12.47	35.65	27.02	00.535	1506.5							
	OBS	00400	12.47	35.65	27.02		1506.5							
	STO	00500	11.38	35.47	27.09	00.648	1504.1							
	OBS	00500	11.38	35.47	27.09		1504.1							
	STO	00600	09.58	35.24	27.23	00.752	1499.0							
	OBS	00600	09.58	35.24	27.23		1499.0							
	STO	00700	07.90	35.11	27.40	00.842	1494.2							
	OBS	00700	07.90	35.11	27.40		1494.2							
	STO	00800	06.63	35.06	27.54	00.917	1490.9							
	OBS	00800	06.63	35.06	27.54		1490.9							
	STO	00900	06.28	35.09	27.61	00.982	1491.2							
	OBS	00900	06.28	35.09	27.61		1491.2							
	STO	00940	05.73	35.07	27.66		1489.6							
	OBS	00940	05.73	35.07	27.66		1489.6							
	STO	00955	05.78	35.10	27.68		1490.1							
	OBS	00955	05.78	35.10	27.68		1490.1							
	STO	01000	05.27	35.04	27.70	01.040	1488.7							
	OBS	01000	05.27	35.04	27.70		1488.7							
	STO	01100	04.84	35.02	27.73	01.092	1488.6							
	OBS	01100	04.84	35.02	27.73		1488.6							
	STO	01200	04.50	35.00	27.75	01.141	1486.8							
	OBS	01200	04.50	35.00	27.75		1486.8							
	STO	01300	04.33	34.98	27.76	01.189	1489.8							
	OBS	01300	04.33	34.98	27.76		1489.8							
	STO	01400	04.16	34.98	27.77	01.237	1490.7							
	OBS	01400	04.16	34.98	27.77		1490.7							
	STO	01500	04.01	34.97	27.78	01.284	1491.8							
	OBS	01500	04.01	34.97	27.78		1491.8							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID 31 8124	YEAR 1969	BOTOP 04572	AIR TEMP 21.5	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CDNSEC 0015	MONTH 08	SHIP YA	WET BULB 20.1	23 4 2	WIND-SPD 27	TRACE DIR D	5 SQUARE 1
LAT 44 00 N	DAY 08	DATA USE 1	BAROMETR 1013.0	SEA	WIND-FDR	DURATION 00.3	2 SQUARE 40
LDNG 041 00 W	HOOR 12.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 037 015	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIC3	PH
12.4	STO	00000	17.98	34.69	25.06	00.000	1516.1							
	085	00000	17.98	34.69	25.06		1516.1							
	STO	00010	17.97	34.71	25.08	00.029	1516.2							
	085	00010	17.97	34.71	25.08		1516.2							
	STO	00020	18.13	35.06	25.30	00.057	1517.3							
	085	00020	18.13	35.06	25.30		1517.3							
	STO	00030	17.74	35.49	25.73	00.081	1516.8							
	085	00030	17.74	35.49	25.73		1516.8							
	STO	00050	16.27	36.02	26.49	00.120	1513.4							
	085	00050	16.27	36.02	26.49		1513.4							
	STO	00075	15.61	36.07	26.68	00.157	1511.8							
	085	00075	15.61	36.07	26.68		1511.8							
	STO	00100	15.18	36.01	26.73	00.191	1510.8							
	085	00100	15.18	36.01	26.73		1510.8							
	STO	00125	14.86	35.98	26.78	00.225	1510.2							
	085	00125	14.86	35.98	26.78		1510.2							
	STO	00150	15.01	36.05	26.80		1510.8							
	085	00150	15.01	36.05	26.80		1510.8							
	STO	00150	15.00	36.06	26.81	00.258	1511.2							
	085	00150	15.00	36.06	26.81		1511.2							
	STO	00200	14.61	35.98	26.83	00.322	1510.6							
	085	00200	14.61	35.98	26.83		1510.6							
	STO	00250	14.08	35.88	26.87	00.386	1509.6							
	085	00250	14.08	35.88	26.87		1509.6							
	STO	00300	13.66	35.81	26.90	00.449	1509.0							
	085	00300	13.66	35.81	26.90		1509.0							
	STO	00400	13.03	35.69	26.94	00.573	1508.4							
	085	00400	13.03	35.69	26.94		1508.4							
	STO	00500	11.54	35.47	27.06	00.691	1504.7							
	085	00500	11.54	35.47	27.06		1504.7							
	STO	00600	09.70	35.24	27.21	00.796	1499.5							
	085	00600	09.70	35.24	27.21		1499.5							
	STO	00700	08.30	35.11	27.33	00.892	1495.7							
	085	00700	08.30	35.11	27.33		1495.7							
	STO	00780	07.19	35.09	27.48		1492.8							
	085	00780	07.19	35.09	27.48		1492.8							
	STO	00790	07.33	35.13	27.49		1493.5							
	085	00790	07.33	35.13	27.49		1493.5							
	STO	00800	07.26	35.11	27.49	00.973	1493.4							
	085	00800	07.26	35.11	27.49		1493.4							
	STO	00890	06.32	35.06	27.58		1491.1							
	085	00890	06.32	35.06	27.58		1491.1							
	STO	00900	06.07	35.01	27.57	01.042	1490.2							
	085	00900	06.07	35.01	27.57		1490.2							
	STO	00910	06.15	35.05	27.59		1490.8							
	085	00910	06.15	35.05	27.59		1490.8							
	STO	00950	05.53	34.99	27.62		1488.9							
	085	00950	05.53	34.99	27.62		1488.9							
	STO	01000	05.33	34.99	27.65	01.104	1488.9							
	085	01000	05.33	34.99	27.65		1488.9							
	STO	01100	05.02	35.01	27.70	01.159	1489.3							
	085	01100	05.02	35.01	27.70		1489.3							
	STO	01200	04.73	35.00	27.73	01.211	1489.8							
	085	01200	04.73	35.00	27.73		1489.8							
	STO	01300	04.43	34.98	27.75	01.262	1490.2							
	085	01300	04.43	34.98	27.75		1490.2							
	STO	01400	04.24	34.98	27.77	01.311	1491.1							
	085	01400	04.24	34.98	27.77		1491.1							
	STO	01500	04.07	34.96	27.77	01.359	1492.0							
	085	01500	04.07	34.96	27.77		1492.0							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID	31 8124	YEAR	1969	BDTDP	04572	AIR TEMP	21.5	DIR HGT PER		WIND-DIR	24	INST STD RECORDER		TEN SQ	1306
CONSEC	0016	MONTH	08	SHIP YA		WET BULB	20.4		24 5 3	WIND-SPD	32	TRACE DIR	0	5 SQUARE	1
LAT	44 00 N	DAY	08	DATA USE	1	BAROMETR	1012.7	SEA		WIND-FCP		DURATION	00.3	2 SQUARE	40
LONG	041 00 W	HOOR	18.1	AREA	05	CLOUD T/A		CL/TR		WEATHEF	X4	GRIG	037 016	1 SQUARE	41

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SIG3	PH
18.1	STD	00000	18.12	34.71	25.04	00.000	1516.5							
	OBS	00000	18.12	34.71	25.04		1516.5							
	STD	00010	18.11	34.79	25.10	00.029	1516.7							
	OBS	00010	18.11	34.79	25.10		1516.7							
	STD	00020	18.28	35.29	25.44	00.056	1518.0							
	OBS	00020	18.28	35.29	25.44		1518.0							
	STD	00030	17.26	35.79	26.08	00.078	1515.8							
	OBS	00030	17.26	35.79	26.08		1515.8							
	STD	00050	16.24	36.13	26.58	00.113	1513.4							
	OBS	00050	16.24	36.13	26.58		1513.4							
	STD	00075	15.64	36.10	26.69	00.148	1512.0							
	OBS	00075	15.64	36.10	26.69		1512.0							
	STD	00100	15.18	36.04	26.75	00.182	1510.9							
	OBS	00100	15.18	36.04	26.75		1510.9							
	STD	00125	15.01	36.04	26.79	00.215	1510.7							
	OBS	00125	15.01	36.04	26.79		1510.7							
	STD	00150	14.82	36.02	26.82	00.248	1510.5							
	OBS	00150	14.82	36.02	26.82		1510.5							
	STD	00200	14.51	35.97	26.84	00.312	1510.3							
	OBS	00200	14.51	35.97	26.84		1510.3							
	STD	00250	14.01	35.88	26.88	00.375	1509.4							
	OBS	00250	14.01	35.88	26.88		1509.4							
	STD	00300	13.74	35.84	26.91	00.437	1509.3							
	OBS	00300	13.74	35.84	26.91		1509.3							
	STD	00320	13.56	35.81	26.92		1509.0							
	OBS	00320	13.56	35.81	26.92		1509.0							
	STD	00350	13.15	35.72	26.94		1508.0							
	OBS	00350	13.15	35.72	26.94		1508.0							
	STD	00400	13.14	35.74	26.96	00.560	1508.8							
	OBS	00400	13.14	35.74	26.96		1508.8							
	STD	00500	11.46	35.45	27.06	00.678	1504.4							
	OBS	00500	11.46	35.45	27.06		1504.4							
	STD	00600	09.96	35.27	27.19	00.786	1500.4							
	OBS	00600	09.96	35.27	27.19		1500.4							
	STD	00700	08.20	35.12	27.36	00.880	1495.4							
	OBS	00700	08.20	35.12	27.36		1495.4							
	STD	00800	06.55	34.98	27.49	00.955	1490.4							
	OBS	00800	06.55	34.98	27.49		1490.4							
	STD	00900	05.70	34.93	27.56	01.028	1488.6							
	OBS	00900	05.70	34.93	27.56		1488.6							
	STD	01000	05.28	35.00	27.66	01.069	1488.7							
	OBS	01000	05.28	35.00	27.66		1488.7							
	STD	01100	04.88	35.00	27.71	01.144	1488.7							
	OBS	01100	04.88	35.00	27.71		1488.7							
	STD	01200	04.54	34.98	27.73	01.195	1489.0							
	OBS	01200	04.54	34.98	27.73		1489.0							
	STD	01300	04.32	34.97	27.75	01.244	1489.7							
	OBS	01300	04.32	34.97	27.75		1489.7							
	STD	01400	04.15	34.96	27.76	01.293	1490.7							
	OBS	01400	04.15	34.96	27.76		1490.7							
	STD	01500	03.95	34.95	27.77	01.341	1491.5							
	OBS	01500	03.95	34.95	27.77		1491.5							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID 31 8124 YEAR 1969 BCTOP 04572 AIR TEMP 20.8 DIR HGT PER WIND-OIR 23 INST STD RECORDER TEN SQ 1306
 CONSEC 0017 MONTH 08 SHIP YA WET BULB 19.4 23 5 3 WIND-SPO 30 TRACE DIR 0 5 SQUARE 1
 LAT 44 04 N DAY 09 DATA USE 1 BARCHETA 1012.6 SEA CL/TF WIND-FDR DURATION CO.3 2 SQUARE 40
 LONG 041 03 W HOUR 00.0 AREA 05 CLCUD T/A WEATHER X1 CRIG 037 017 1 SQUARE 41

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PG4	TOT P	NO2	NO3	SIO3	PH
00.0	STD	00000	18.00	34.74	25.09	00.000	1516.2							
	OBS	00000	18.00	34.74	25.09		1516.2							
	STD	00010	18.00	34.75	25.10	00.023	1516.4							
	OBS	00010	18.00	34.75	25.10		1516.4							
	STD	00020	18.02	35.10	25.36	00.056	1517.0							
	OBS	00020	18.02	35.10	25.36		1517.0							
	STD	00030	18.14	35.32	25.50	00.082	1517.8							
	OBS	00030	18.14	35.32	25.50		1517.8							
	STD	00050	16.49	36.08	26.48	00.122	1514.1							
	OBS	00050	16.49	36.08	26.48		1514.1							
	STD	00075	15.74	36.11	26.68	00.159	1512.3							
	OBS	00075	15.74	36.11	26.68		1512.3							
	STD	01000	15.43	36.11	26.75	00.194	1511.7							
	OBS	01000	15.43	36.11	26.75		1511.7							
	STD	01125	15.05	36.10	26.63	00.226	1510.9							
	OBS	01125	15.05	36.10	26.63		1510.9							
	STD	01150	14.98	36.10	26.64	00.256	1511.1							
	OBS	01150	14.98	36.10	26.64		1511.1							
	STD	02000	14.48	36.01	26.68	00.320	1510.3							
	OBS	02000	14.48	36.01	26.68		1510.3							
	STD	02250	14.02	35.92	26.91	00.382	1509.5							
	OBS	02250	14.02	35.92	26.91		1509.5							
	STD	02500	13.77	35.86	26.92		1508.6							
	OBS	02500	13.77	35.86	26.92		1508.6							
	STD	03000	13.62	35.89	26.93		1509.2							
	OBS	03000	13.62	35.89	26.93		1509.2							
	STD	03300	13.62	35.86	26.95	00.443	1508.9							
	OBS	03300	13.62	35.86	26.95		1508.9							
	STD	03600	13.36	35.80	26.96		1508.5							
	OBS	03600	13.36	35.80	26.96		1508.5							
	STD	04000	13.23	35.84	26.97		1509.4							
	OBS	04000	13.23	35.84	26.97		1509.4							
	STD	04300	11.65	35.80	26.98	00.543	1509.2							
	OBS	04300	11.65	35.80	26.98		1509.2							
	STD	05000	11.65	35.51	27.07	00.679	1505.1							
	OBS	05000	11.65	35.51	27.07		1505.1							
	STD	06000	10.00	35.31	27.21	00.785	1500.6							
	OBS	06000	10.00	35.31	27.21		1500.6							
	STD	07000	08.19	35.12	27.36	00.877	1495.3							
	OBS	07000	08.19	35.12	27.36		1495.3							
	STD	08000	06.69	35.02	27.50	00.956	1491.0							
	OBS	08000	06.69	35.02	27.50		1491.0							
	STD	09000	05.77	35.01	27.61	01.023	1489.0							
	OBS	09000	05.77	35.01	27.61		1489.0							
	STD	09300	05.45	35.02	27.66		1488.2							
	OBS	09300	05.45	35.02	27.66		1488.2							
	STD	09600	05.45	35.00	27.64		1486.7							
	OBS	09600	05.45	35.00	27.64		1486.7							
	STD	09900	05.35	35.02	27.67		1488.5							
	OBS	09900	05.35	35.02	27.67		1488.5							
	STD	10000	05.36	35.04	27.65	01.060	1489.1							
	OBS	10000	05.36	35.04	27.65		1489.1							
	STD	11000	05.00	35.03	27.72	01.133	1489.3							
	OBS	11000	05.00	35.03	27.72		1489.3							
	STD	11200	04.67	35.01	27.74	01.184	1489.5							
	OBS	11200	04.67	35.01	27.74		1489.5							
	STD	11300	04.39	34.99	27.76	01.233	1490.0							
	OBS	11300	04.39	34.99	27.76		1490.0							
	STD	11400	04.25	34.99	27.77	01.281	1491.1							
	OBS	11400	04.25	34.99	27.77		1491.1							
	STD	01500	04.14	34.99	27.76	01.328	1492.4							
	OBS	01500	04.14	34.99	27.76		1492.4							
	STD	01500	04.14	34.99	27.78		1492.4							
	OBS	01500	04.14	34.99	27.78		1492.4							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID 31 8124 YEAR 1969 BOTOP 04572 AIF TEMP 18.7 DIP -ST PER #IND-DIP 26 INST STD RECORDER# TEN SW 1306
 CONSEC 001E MONTH 08 SHIP YA WET BULP 18.0 #IND-S-D LL TRACE DI# 5 SQUARE 1
 LAT 44 00 N DAY 09 DATA USE 1 #FAPMETER 1013.4 SEA #IND-RFR CUMULATION 00.3 2 SQUARE 40
 LONG 041 02 W HOUR 06.2 AREA 05 CLOUD T/A CL/T# #BEAT-# AL CRIG DST U/B 1 SQUARE 41

CASTNUM/TIME	LVL/TYPE	DEPTH	TEMP	SAL	SIGMA-T	LYNCPHT	SND VEL	OXYG	PC#	TCT F	NO2	NO3	SIJ3	PH
06.2	STD	00000	19.33	35.30	25.18	00.000	1520.6							
	OBS	00000	19.33	35.30	25.18		1520.6							
	STD	00010	19.34	35.30	25.18	00.023	1520.6							
	OBS	00010	19.34	35.30	25.18		1520.6							
	STD	00020	19.23	35.54	25.35	00.054	1521.0							
	OBS	00020	19.23	35.54	25.35		1521.0							
	STD	00030	17.28	35.90	26.15	00.077	1516.0							
	OBS	00030	17.28	35.90	26.15		1516.0							
	OBS	00045	15.98	36.06	26.58		1512.5							
	STD	00050	16.09	36.11	26.60	00.110	1513.0							
	OBS	00050	16.09	36.11	26.60		1513.0							
	STD	00075	15.46	36.06	26.70	00.146	1511.4							
	OBS	00075	15.46	36.06	26.70		1511.4							
	STD	00100	15.22	36.06	26.76	00.180	1511.0							
	OBS	00100	15.22	36.06	26.76		1511.0							
	STD	00125	15.00	36.05	26.80	00.213	1510.7							
	OBS	00125	15.00	36.05	26.80		1510.7							
	STD	00150	14.77	36.00	26.81	00.245	1510.4							
	OBS	00150	14.77	36.00	26.81		1510.4							
	STD	00200	14.45	35.96	26.85	00.309	1510.1							
	OBS	00200	14.45	35.96	26.85		1510.1							
	STD	00250	14.03	35.88	26.88	00.372	1509.5							
	OBS	00250	14.03	35.88	26.88		1509.5							
	STD	00300	13.66	35.82	26.91	00.434	1509.0							
	OBS	00300	13.66	35.82	26.91		1509.0							
	STD	00400	13.18	35.76	26.96	00.557	1509.0							
	OBS	00400	13.18	35.76	26.96		1509.0							
	STD	00500	11.36	35.43	27.06	00.674	1504.0							
	OBS	00500	11.36	35.43	27.06		1504.0							
	STD	00600	09.75	35.27	27.22	00.760	1499.7							
	OBS	00600	09.75	35.27	27.22		1499.7							
	STD	00700	08.02	35.11	27.38	00.871	1494.7							
	OBS	00700	08.02	35.11	27.38		1494.7							
	STD	00800	06.40	34.98	27.51	00.948	1489.8							
	OBS	00800	06.40	34.98	27.51		1489.8							
	STD	00900	05.55	34.96	27.60	01.014	1488.1							
	OBS	00900	05.55	34.96	27.60		1488.1							
	OBS	00940	05.26	34.96	27.63		1487.6							
	STD	01000	05.27	35.01	27.67	01.073	1488.7							
	OBS	01000	05.27	35.01	27.67		1488.7							
	STD	01100	04.88	35.00	27.71	01.127	1488.7							
	OBS	01100	04.88	35.00	27.71		1488.7							
	STD	01200	04.57	34.99	27.74	01.178	1488.1							
	OBS	01200	04.57	34.99	27.74		1488.1							
	STD	01300	04.30	34.97	27.75	01.227	1489.6							
	OBS	01300	04.30	34.97	27.75		1489.6							
	STD	01400	04.14	34.97	27.77	01.275	1490.6							
	OBS	01400	04.14	34.97	27.77		1490.6							
	STD	01500	03.90	34.95	27.78	01.322	1491.3							
	OBS	01500	03.90	34.95	27.78		1491.3							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID 31 8124	YEAR 1969	BDTOP 04572	AIR TEMP 17.5	OIR HGT PER	WIND-DIR 30	INST STO RECORDER	TEN SQ 1306
CONSEC 0019	MONTH 08	SHIP YA	WET BULB 15.5	24 4 3	WIND-SPD 27	TRACE OIR 0	5 SQUARE 1
LAT 44 00 N	DAY 09	DATA USE 1	BAROMETR 1017.2	SEA	WIND-FOF	DURATION 00.3	2 SQUARE 40
LONG 041 04 W	HOOR 12.1	AREA 05	CLUD T/A	CL/TR	WEATHER X5	ORIG 037 019	1 SQUARE 41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
12.1	STD	00000	18.56	35.36	25.43	00.000	1518.5							
	OBS	00000	18.56	35.36	25.43		1518.5							
	STD	00010	18.56	35.36	25.43	00.025	1518.7							
	OBS	00010	18.56	35.36	25.43		1518.7							
	STD	00020	18.56	35.36	25.43	00.051	1518.9							
	OBS	00020	18.56	35.36	25.43		1518.9							
	STD	00030	18.48	35.51	25.56	00.076	1519.0							
	OBS	00030	18.48	35.51	25.56		1519.0							
	STD	00050	15.75	35.97	26.57	00.115	1511.7							
	OBS	00050	15.75	35.97	26.57		1511.7							
	OBS	00060	15.76	35.97	26.57		1511.9							
	STD	00075	15.21	35.94	26.67	00.152	1510.4							
	OBS	00075	15.21	35.94	26.67		1510.4							
	OBS	00082	15.05	35.97	26.73		1510.1							
	STD	00100	15.27	36.06	26.75	00.166	1511.2							
	OBS	00100	15.27	36.06	26.75		1511.2							
	STD	00125	14.77	35.98	26.80	00.219	1509.9							
	OBS	00125	14.77	35.98	26.80		1509.9							
	OBS	00135	14.69	35.97	26.81		1509.8							
	STD	00150	14.73	36.01	26.83	00.251	1510.2							
	OBS	00150	14.73	36.01	26.83		1510.2							
	STD	00200	14.30	35.91	26.84	00.315	1509.6							
	OBS	00200	14.30	35.91	26.84		1509.6							
	STD	00250	13.89	35.85	26.88	00.378	1509.0							
	OBS	00250	13.89	35.85	26.88		1509.0							
	STD	00300	13.48	35.79	26.92	00.440	1508.4							
	OBS	00300	13.48	35.79	26.92		1508.4							
	STD	00400	13.18	35.75	26.95	00.562	1509.0							
	OBS	00400	13.18	35.75	26.95		1509.0							
	STD	00500	11.66	35.45	27.05	00.660	1505.1							
	OBS	00500	11.66	35.45	27.05		1505.1							
	STD	00600	09.68	35.25	27.19	00.788	1500.1							
	OBS	00600	09.68	35.25	27.19		1500.1							
	STD	00700	08.09	35.09	27.35	00.882	1494.9							
	OBS	00700	08.09	35.09	27.35		1494.9							
	OBS	00750	07.20	35.02	27.43		1492.2							
	OBS	00760	07.30	35.03	27.42		1492.8							
	OBS	00790	06.84	35.03	27.49		1491.5							
	STD	00800	06.95	35.07	27.50	00.962	1492.1							
	OBS	00800	06.95	35.07	27.50		1492.1							
	OBS	00815	06.44	35.02	27.53		1490.3							
	OBS	00830	06.69	35.10	27.56		1491.6							
	STD	00900	05.99	35.04	27.61	01.026	1489.9							
	OBS	00900	05.99	35.04	27.61		1489.9							
	OBS	00915	05.95	35.07	27.64		1490.1							
	STD	01000	05.26	35.01	27.67	01.087	1488.6							
	OBS	01000	05.26	35.01	27.67		1488.6							
	STD	01100	04.79	34.99	27.71	01.140	1488.3							
	OBS	01100	04.79	34.99	27.71		1488.3							
	STD	01200	04.56	34.99	27.74	01.191	1489.1							
	OBS	01200	04.56	34.99	27.74		1489.1							
	STD	01300	04.34	34.99	27.76	01.240	1489.8							
	OBS	01300	04.34	34.99	27.76		1489.8							
	STD	01400	04.35	34.98	27.75	01.289	1491.5							
	OBS	01400	04.35	34.98	27.75		1491.5							
	STD	01500	03.98	34.96	27.78	01.337	1491.6							
	OBS	01500	03.98	34.96	27.78		1491.6							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID 31 8124	YEAR 1969	80TDP 04572	AIR TEMP 17.9	OIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1306
CONSEC 0020	MONTH 08	SHIP YA	WET BULB 15.9	24 5 2	WIND-SPD 08	TRACE DIR D	5 SQUARE 1
LAT 44 00 N	DAY 10	DATA USE 1	BAROMETR 1023.7	SEA	WIND-FDP	DURATION CO.3	2 SQUARE 40
LONG 041 00 W	HOUR 00.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG D37 020	1 SQUARE 41

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
00.4	STD	00000	19.16	35.66	25.50	00.000	1520.6							
	OBS	00000	19.16	35.66	25.50		1520.6							
	STD	00010	19.16	35.66	25.50	00.024	1520.7							
	OBS	00010	19.16	35.66	25.50		1520.7							
	STD	00020	19.15	35.66	25.50	00.049	1520.9							
	OBS	00020	19.15	35.66	25.50		1520.9							
	STD	00030	19.14	35.66	25.51	00.074	1521.0							
	OBS	00030	19.14	35.66	25.51		1521.0							
	STD	00050	16.20	35.73	26.28	00.117	1512.8							
	OBS	00050	16.20	35.73	26.28		1512.8							
	STD	00075	15.24	35.84	26.58	00.158	1510.4							
	OBS	00075	15.24	35.84	26.58		1510.4							
	STD	00100	14.55	35.80	26.70	00.193	1508.6							
	OBS	00100	14.55	35.80	26.70		1508.6							
	STD	00125	14.15	35.84	26.82	00.227	1507.8							
	OBS	00125	14.15	35.84	26.82		1507.8							
	STD	00150	13.78	35.81	26.88	00.258	1506.9							
	OBS	00150	13.78	35.81	26.88		1506.9							
	STD	00200	13.15	35.75	26.96	00.317	1505.6							
	OBS	00200	13.15	35.75	26.96		1505.6							
	STD	00250	12.51	35.64	27.00	00.375	1504.1							
	OBS	00250	12.51	35.64	27.00		1504.1							
	STD	00300	12.09	35.57	27.03	00.431	1503.4							
	OBS	00300	12.09	35.57	27.03		1503.4							
	STD	00400	11.16	35.43	27.10	00.540	1501.6							
	OBS	00400	11.16	35.43	27.10		1501.6							
	STD	00500	10.20	35.29	27.16	00.645	1499.7							
	OBS	00500	10.20	35.29	27.16		1499.7							
	STD	00600	09.24	35.19	27.25	00.744	1497.7							
	OBS	00600	09.24	35.19	27.25		1497.7							
	STD	00700	07.62	35.06	27.40	00.832	1493.1							
	OBS	00700	07.62	35.06	27.40		1493.1							
	STD	00730	07.13	35.06	27.47		1491.7							
	OBS	00730	07.13	35.06	27.47		1491.7							
	STD	00750	07.15	35.10	27.50		1492.1							
	OBS	00750	07.15	35.10	27.50		1492.1							
	STD	00800	06.46	35.02	27.53	00.907	1490.1							
	OBS	00800	06.46	35.02	27.53		1490.1							
	STD	00808	06.34	35.04	27.56		1489.8							
	OBS	00808	06.34	35.04	27.56		1489.8							
	STD	00811	06.48	35.08	27.57		1490.5							
	OBS	00811	06.48	35.08	27.57		1490.5							
	STD	00900	05.88	35.06	27.64	00.971	1489.5							
	OBS	00900	05.88	35.06	27.64		1489.5							
	STD	00930	05.84	35.08	27.66		1489.9							
	OBS	00930	05.84	35.08	27.66		1489.9							
	STD	01000	05.13	35.00	27.68	01.027	1488.1							
	OBS	01000	05.13	35.00	27.68		1488.1							
	STD	01100	04.77	35.00	27.72	01.080	1488.3							
	OBS	01100	04.77	35.00	27.72		1488.3							
	STD	01200	04.50	34.99	27.75	01.130	1488.8							
	OBS	01200	04.50	34.99	27.75		1488.8							
	STD	01300	04.32	34.99	27.77	01.178	1489.7							
	OBS	01300	04.32	34.99	27.77		1489.7							
	STD	01400	04.13	34.97	27.77	01.225	1490.6							
	OBS	01400	04.13	34.97	27.77		1490.6							
	STD	01500	03.95	34.97	27.79	01.272	1491.5							
	OBS	01500	03.95	34.97	27.79		1491.5							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID 31 8124	YEAR 1969	BDTDP 04572	AIR TEMP 15.7	DIP HGT PER	WIND-DIR 29	INST STO RECORDER	TEN SQ 1306
CONSEC 0021	MONTH 08	SHIP YA	WET BULB 14.6	26 3 2	WIND-SPD 10	TRACE DIR 0	5 SQUARE 1
LAT 43 56 N	DAY 10	DATA USE 1	BAFDMETR 1023.9	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 20
LONG 040 55 W	HDUR 06.4	AREA 05	CLCUD T/A	CL/TP	WEATHEF X1	ORIG 037 021	1 SQUARE 30

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P34	TDT P	ND2	NO3	S103	PH
06.4	STD	00000	19.04	35.64	25.52	00.000	1520.2							
	DBS	00000	19.04	35.64	25.52		1520.2							
	STD	00010	19.04	35.64	25.52	00.024	1520.4							
	DBS	00010	19.04	35.64	25.52		1520.4							
	STD	00020	19.04	35.64	25.52	00.049	1520.6							
	DBS	00020	19.04	35.64	25.52		1520.6							
	STD	00030	18.86	35.66	25.58	00.074	1520.2							
	DBS	00030	18.86	35.66	25.58		1520.2							
	STD	00050	15.32	35.94	26.64	00.112	1510.4							
	DBS	00050	15.32	35.94	26.64		1510.4							
	STD	00075	14.57	35.95	26.82	00.146	1508.4							
	DBS	00075	14.57	35.95	26.82		1508.4							
	STD	00100	14.37	35.94	26.85	00.177	1508.2							
	DBS	00100	14.37	35.94	26.85		1508.2							
	STD	00125	14.15	35.92	26.88	00.208	1507.9							
	DBS	00125	14.15	35.92	26.88		1507.9							
	STD	00150	14.01	35.90	26.90	00.238	1507.8							
	DBS	00150	14.01	35.90	26.90		1507.8							
	STD	00200	13.63	35.82	26.92	00.298	1507.3							
	DBS	00200	13.63	35.82	26.92		1507.3							
	STD	00250	13.51	35.82	26.94	00.358	1507.7							
	DBS	00250	13.51	35.82	26.94		1507.7							
	STD	00300	13.26	35.76	26.95	00.418	1507.6							
	DBS	00300	13.26	35.76	26.95		1507.6							
	STD	00400	12.08	35.56	27.03	00.535	1505.0							
	DBS	00400	12.08	35.56	27.03		1505.0							
	STD	00500	10.83	35.37	27.11	00.647	1502.1							
	DBS	00500	10.83	35.37	27.11		1502.1							
	STD	00600	09.07	35.15	27.24	00.748	1497.0							
	DBS	00600	09.07	35.15	27.24		1497.0							
	STD	00700	07.82	35.07	27.38	00.858	1493.8							
	DBS	00700	07.82	35.07	27.38		1493.8							
	STD	00800	06.64	35.03	27.51	00.915	1490.9							
	DBS	00800	06.64	35.03	27.51		1490.9							
	STD	00900	05.78	35.04	27.63	00.979	1489.1							
	DBS	00900	05.78	35.04	27.63		1489.1							
	DBS	00945	06.02	35.10	27.65		1490.9							
	DBS	00963	05.82	35.07	27.65		1490.4							
	DBS	00985	05.90	35.12	27.66		1491.1							
	STD	01000	05.57	35.09	27.70	01.036	1490.0							
	DBS	01000	05.57	35.09	27.70		1490.0							
	STD	01100	04.87	35.00	27.71	01.089	1488.7							
	DBS	01100	04.87	35.00	27.71		1488.7							
	STD	01200	04.66	34.99	27.73	01.140	1489.5							
	DBS	01200	04.66	34.99	27.73		1489.5							
	STD	01300	04.50	34.99	27.75	01.191	1490.5							
	DBS	01300	04.50	34.99	27.75		1490.5							
	STD	01400	04.28	34.98	27.76	01.240	1491.2							
	DBS	01400	04.28	34.98	27.76		1491.2							
	STD	01500	03.98	34.95	27.77	01.288	1491.6							
	DBS	01500	03.98	34.95	27.77		1491.6							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID	31 8124	YEAR	1969	BOTOP	04572	AIR TEMP	17.7	OIR	PGT	PER	WIND-OIR	15	INST	STD	RECORDER	TEN	SO	1306
CONSEC	0022	MONTH	08	SHIP	YA	MET BULB	15.0	35	2	3	WIND-SPD	08	TRACE	OIR	D	5	SQUARE	1
LAT	44 01 N	DAY	10	DATA	USE	BAROMETR	1025.5	SEA			WIND-PCR		DURATION		00.2	2	SQUARE	40
LONG	041 00 W	HOOR	12.0	AREA	05	CLOUD	T/A	CL/TP			WEATHER	X1	ORIG	037 022	,	1	SQUARE	41
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO	VEL	DXYG	PD4	TDT	P	NO2	NO3	SIJ3	PH		
12.0	ST0	00000	18.98	35.62	25.52	00.000	1520.0											
	DBS	00000	18.98	35.62	25.52		1520.0											
	ST0	00010	18.97	35.62	25.52	00.024	1520.2											
	DBS	00010	18.97	35.62	25.52		1520.2											
	ST0	00020	18.90	35.60	25.52	00.049	1520.1											
	DBS	00020	18.90	35.60	25.52		1520.1											
	ST0	00030	18.88	35.59	25.52	00.074	1520.2											
	DBS	00030	18.88	35.59	25.52		1520.2											
	ST0	00050	15.85	35.95	26.53	00.114	1512.0											
	DBS	00050	15.85	35.95	26.53		1512.0											
	ST0	00075	14.85	35.96	26.76	00.150	1509.3											
	DBS	00075	14.85	35.96	26.76		1509.3											
	ST0	00100	14.64	35.96	26.81	00.182	1509.1											
	DBS	00100	14.64	35.96	26.81		1509.1											
	ST0	00125	14.35	35.92	26.84	00.214	1508.5											
	DBS	00125	14.35	35.92	26.84		1508.5											
	ST0	00150	14.15	35.90	26.87	00.245	1506.2											
	DBS	00150	14.15	35.90	26.87		1506.2											
	ST0	00200	13.78	35.86	26.92	00.306	1507.8											
	DBS	00200	13.78	35.86	26.92		1507.8											
	ST0	00250	13.59	35.82	26.92	00.366	1508.0											
	DBS	00250	13.59	35.82	26.92		1508.0											
	ST0	00300	13.42	35.80	26.94	00.427	1508.2											
	DBS	00300	13.42	35.80	26.94		1508.2											
	ST0	00400	12.33	35.58	26.99	00.546	1505.9											
	DBS	00400	12.33	35.58	26.99		1505.9											
	ST0	00500	10.93	35.38	27.10	00.659	1502.4											
	DBS	00500	10.93	35.38	27.10		1502.4											
	ST0	00600	09.28	35.18	27.23	00.762	1497.8											
	DBS	00600	09.28	35.18	27.23		1497.8											
	ST0	00700	07.80	35.08	27.39	00.852	1493.8											
	DBS	00700	07.80	35.08	27.39		1493.8											
	ST0	00760	07.05	35.06	27.48		1451.8											
	DBS	00760	07.13	35.11	27.51		1492.6											
	ST0	00800	06.82	35.06	27.51	00.929	1491.6											
	DBS	00800	06.82	35.06	27.51		1451.6											
	ST0	00900	06.07	35.05	27.60	00.995	1450.3											
	DBS	00900	06.07	35.05	27.60		1490.3											
	ST0	00950	05.84	35.08	27.66		1490.2											
	DBS	00950	05.84	35.08	27.66		1491.2											
	ST0	01000	05.86	35.12	27.69	01.054	1491.2											
	DBS	01000	05.86	35.12	27.69		1451.2											
	ST0	01045	05.67	35.11	27.70		1491.2											
	DBS	01045	05.67	35.11	27.70		1489.0											
	ST0	01075	05.19	35.04	27.71		1489.0											
	DBS	01075	05.19	35.04	27.71		1489.3											
	ST0	01100	05.01	35.01	27.70	01.108	1489.3											
	DBS	01100	05.01	35.01	27.70		1489.3											
	ST0	01200	04.71	35.00	27.73	01.160	1489.7											
	DBS	01200	04.71	35.00	27.73		1489.7											
	ST0	01300	04.40	34.98	27.75	01.210	1490.1											
	DBS	01300	04.40	34.98	27.75		1490.1											
	ST0	01400	04.22	34.97	27.76	01.259	1491.0											
	DBS	01400	04.22	34.97	27.76		1491.0											
	ST0	01500	04.18	34.98	27.77	01.308	1492.5											
	DBS	01500	04.18	34.98	27.77		1492.5											

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID 31 8124	YEAR 1969	BOTDR 04572	AIR TEMP 19.2	DIR HGT PER	WIND-DIP 20	INST STD RECORDER	TEN SQ 1306
CDNSEC 0023	MONTH 08	SHIP YA	WET BULB 16.4	10 2 5	WIND-SPO 07	TRACE DIR 0	5 SQUARE 1
LAT 43 51 N	DAY 10	DATA USE 1	BAROMETR 1024.7	SEA	WIND-FDR	DUPLICATION 00.4	2 SQUARE 20
LONG 041 04 W	HOUR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 037 023	1 SQUARE 31

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	STS	00000	18.79	35.49	25.47	00.000	1519.3							
	DBS	00000	18.79	35.49	25.47		1519.3							
	STS	00010	18.77	35.49	25.47	00.025	1519.4							
	DBS	00010	18.77	35.49	25.47		1519.4							
	STS	00020	18.76	35.57	25.54	00.050	1519.7							
	DBS	00020	18.76	35.57	25.54		1519.7							
	STS	00030	16.77	35.98	26.34	00.071	1514.5							
	DBS	00030	16.77	35.98	26.34		1514.5							
	STS	00050	15.57	36.09	26.70	00.101	1511.3							
	DBS	00050	15.57	36.09	26.70		1511.3							
	STS	00075	15.18	36.02	26.74	00.135	1510.4							
	DBS	00075	15.18	36.02	26.74		1510.4							
	STS	00100	14.90	35.94	26.74	00.169	1509.9							
	DBS	00100	14.90	35.94	26.74		1509.9							
	STS	00125	14.56	35.94	26.81	00.202	1509.2							
	DBS	00125	14.56	35.94	26.81		1509.2							
	STS	00150	14.37	35.93	26.84	00.233	1509.0							
	DBS	00150	14.37	35.93	26.84		1509.0							
	STS	00200	14.09	35.87	26.86	00.266	1508.8							
	DBS	00200	14.09	35.87	26.86		1508.8							
	STS	00250	13.75	35.82	26.89	00.359	1508.5							
	DBS	00250	13.75	35.82	26.89		1508.5							
	STS	00300	13.57	35.81	26.92	00.421	1508.7							
	DBS	00300	13.57	35.81	26.92		1508.7							
	STS	00400	12.65	35.60	26.95	00.543	1507.0							
	DBS	00400	12.65	35.60	26.95		1507.0							
	STS	00500	11.54	35.46	27.05	00.662	1504.7							
	DBS	00500	11.54	35.46	27.05		1504.7							
	STS	00600	09.85	35.24	27.18	00.770	1500.0							
	DBS	00600	09.85	35.24	27.18		1500.0							
	STS	00700	08.18	35.07	27.32	00.866	1495.2							
	DBS	00700	08.18	35.07	27.32		1495.2							
	STS	00800	06.92	35.05	27.45	00.947	1492.0							
	DBS	00800	06.92	35.05	27.45		1492.0							
	STS	00880	06.34	35.04	27.56		1491.0							
	DBS	00900	06.49	35.10	27.59	01.016	1492.0							
	STS	00900	06.49	35.10	27.59		1492.0							
	STS	01000	06.06	35.11	27.65	01.077	1492.0							
	DBS	01000	06.06	35.11	27.65		1492.0							
	STS	01100	05.35	35.04	27.69	01.135	1490.7							
	DBS	01100	05.35	35.04	27.69		1490.7							
	STS	01200	04.96	35.03	27.72	01.188	1490.8							
	DBS	01200	04.96	35.03	27.72		1490.8							
	STS	01300	04.56	35.00	27.75	01.240	1490.6							
	DBS	01300	04.56	35.00	27.75		1490.6							
	STS	01400	04.43	34.98	27.75	01.290	1491.9							
	DBS	01400	04.43	34.98	27.75		1491.9							
	STS	01500	04.18	34.96	27.76	01.340	1492.5							
	DBS	01500	04.18	34.96	27.76		1492.5							
	STS	01750	04.00	34.95	27.77	01.465	1495.9							
	DBS	01750	04.00	34.95	27.77		1495.9							
	STS	02000	03.78	34.95	27.75	01.590	1499.3							
	DBS	02000	03.78	34.95	27.75		1499.3							
	STS	02500	03.44	34.95	27.82	01.854	1506.4							
	DBS	02500	03.44	34.95	27.82		1506.4							
	STS	03000	03.11	34.95	27.86	02.072	1513.6							
	DBS	03000	03.11	34.95	27.86		1513.6							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID	31 8124	YEAP	1969	BOTOP	04572	AIR TEMP	18.3	WIND DIR	16	INST STO	RECORDER	TEN S.	1306
CONSEC	0024	MONTH	08	SHIP YA		WET BULB	15.1	WIND SPD	08	TRACE DIR	0	SQUAPE	1
LAT	44 00 N	DAY	11	DATA USE	1	BAROMETP	1023.3	WIND PER		DURATION	00.2	SQUAPE	40
LONG	040 25 W	HOOR	00.0	AREA	05	CLCUD T/A		SEA		GRIG	037 024	SQUAPE	40
								CL/T/A					

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PCW	TOT P	NO2	NO3	SIO3	PH
00.0	STD	00000	18.86	35.57	25.51	00.000	1519.6							
	OBS	00000	18.86	35.57	25.51		1519.6							
	STD	00010	18.74	35.55	25.53	00.024	1519.4							
	OBS	00010	18.74	35.55	25.53		1519.4							
	STD	00020	18.75	35.57	25.54	00.049	1519.7							
	OBS	00020	18.75	35.57	25.54		1519.7							
	STD	00030	18.63	35.65	25.63	00.075	1519.6							
	OBS	00030	18.63	35.65	25.63		1519.6							
	STD	00050	18.08	36.13	26.62	00.111	1513.0							
	OBS	00050	18.08	36.13	26.62		1513.0							
	STD	00075	15.30	36.06	26.74	00.146	1510.9							
	OBS	00075	15.30	36.06	26.74		1510.9							
	STD	00100	14.88	36.05	26.82	00.179	1509.9							
	OBS	00100	14.88	36.05	26.82		1509.9							
	STD	00125	14.65	36.03	26.86	00.210	1509.6							
	OBS	00125	14.65	36.03	26.86		1509.6							
	STD	00150	14.33	35.99	26.90	00.241	1508.9							
	OBS	00150	14.33	35.99	26.90		1508.9							
	STD	00200	14.08	35.98	26.94	00.300	1508.9							
	OBS	00200	14.08	35.98	26.94		1508.9							
	STD	00250	13.82	35.97	26.99	00.358	1508.9							
	OBS	00250	13.82	35.97	26.99		1508.9							
	STD	00300	13.63	35.97	27.03	00.415	1509.1							
	OBS	00300	13.63	35.97	27.03		1509.1							
	STD	00400	12.93	35.86	27.11	00.525	1506.3							
	OBS	00400	12.93	35.86	27.11		1506.3							
	STD	00500	11.54											
	OBS	00500	11.54											
	STD	00600	09.69											
	OBS	00600	09.69											
	STD	00700	08.28											
	OBS	00700	08.28											
	OBS	00765	07.13											
	OBS	00785	07.25											
	STD	00800	06.91											
	OBS	00800	06.91											
	OBS	00840	06.40											
	STD	00900	06.18											
	OBS	00900	06.18											
	OBS	00912	06.29											
	STD	01000	05.75											
	OBS	01000	05.75											
	OBS	01080	05.50											
	STD	01100	05.00											
	OBS	01100	05.00											
	OBS	01150	04.77											
	STD	01200	04.74											
	OBS	01200	04.74											
	STD	01300	04.50											
	OBS	01300	04.50											
	STD	01400	04.31											
	OBS	01400	04.31											
	STD	01500	04.14											
	OBS	01500	04.14											

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31–8124 YA.—Continued

REFID	31	8124	YEAR	1969	BDTOP	04572	AIR TEMP	19.6	DIF HGT PER	WIND-DIR	23	INST NANSEN	CAST	TEN SQ	1306	
CONSEC		0025	MONTH	08	SHIP YA		WET BULB	19.8		WIND-SPD	13	TRACE DIP		5 SQUARE	1	
LAT	44	02	N	DAY	12	DATA USE	1	BAROMETR	1019.5	SEA		DURATION		2 SQUARE	40	
LONG	040	56	W	HOUR	01.0	AREA	05	CLOUD T/A	X/9	CL/TR		WEATHER	X4	ORIG	D37 025	
															1 SQUARE	40

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	19.55	35.65	25.35	00.000	1521.7							
01.0	OBS	C0000	19.55	35.649	25.39		1521.7							
	STD	00010	19.44	35.65	25.42	00.025	1521.5							
	STD	00020	19.32	35.65	25.45	00.051	1521.4							
01.0	OBS	C0024	19.28	35.650	25.46		1521.3							
	STD	00030	18.71	35.72	25.66	00.075	1519.9							
	STD	00050	17.10	35.90	26.20	00.117	1515.8							
01.0	OBS	00073	15.84	36.020	26.59		1512.5							
	STD	00075	15.77	36.02	26.60	00.159	1512.3							
01.0	OBS	C0098	15.18	36.036	26.75		1510.8							
	STD	00100	15.17	36.04	26.75	00.154	1510.8							
	STD	00125	15.03	36.02	26.77	00.227	1510.8							
01.0	OBS	00147	14.88	36.015	26.80		1510.7							
	STD	00150	14.86	36.01	26.80	00.260	1510.6							
01.0	OBS	C0195	14.45	35.940	26.83		1510.0							
	STD	00200	14.38	35.93	26.84	00.324	1509.8							
01.0	OBS	00244	13.82	35.857	26.90		1508.7							
	STD	00250	13.79	35.85	26.91	00.387	1508.7							
	STD	00300	13.48	35.79	26.93	00.448	1508.4							
01.0	OBS	00390	12.56	35.647	27.00		1506.6							
	STD	00400	12.43	35.63	27.01	00.567	1506.3							
01.0	OBS	T00489	11.03	35.430	27.12		1502.7							
	STD	00500	10.79	35.40	27.14	00.678	1501.9							
01.0	OBS	T00581	09.18	35.208	27.27		1497.2							
	STD	00600	08.85	35.19	27.31	00.775	1496.2							
	STD	00700	07.32	35.10	27.47	00.857	1492.0							
01.0	OBS	00782	06.36	35.035	27.55		1489.5							
	STD	00800	06.23											
	STD	00900	05.55											
01.0	OBS	T00976	05.12											
01.0	OBS	01475	04.02	34.969	27.78		1491.4							

REFID	31	8124	YEAR	1969	BDTOP	04572	AIR TEMP	20.0	DIF HGT PER	WIND-DIR	24	INST NANSEN	CAST	TEN SQ	1306	
CONSEC		0026	MONTH	08	SHIP YA		WET BULB	20.0		WIND-SPD	20	TRACE DIP		5 SQUARE	1	
LAT	44	00	N	DAY	12	DATA USE	1	BAROMETR	1017.1	SEA		DURATION		2 SQUARE	40	
LONG	041	04	W	HOUR	02.7	AREA	05	CLOUD T/A	7/7	CL/TR		WEATHER	X6	ORIG	D37 026	
															1 SQUARE	41

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	19.17	35.13	25.09	00.000	1520.0							
02.7	OBS	00000	19.17	35.128	25.09		1520.0							
	STD	00010	19.11	35.17	25.14	00.028	1520.0							
	STD	00020	18.95	35.25	25.24	00.056	1519.8							
02.7	OBS	00024	18.85	35.282	25.25		1519.7							
	STD	00030	18.45	35.42	25.50	00.082	1518.8							
	STD	00050	17.31	35.80	26.07	00.127	1516.3							
02.7	OBS	00071	16.43	36.052	26.47		1514.3							
	STD	00075	16.31	36.08	26.52	00.171	1514.0							
02.7	OBS	00095	15.81	36.151	26.69		1512.9							
	STD	00100	15.72	36.14	26.70	00.207	1512.7							
	STD	00125	15.36	36.08	26.74	00.242	1511.9							
02.7	OBS	00142	15.18	36.052	26.76		1511.6							
	STD	00150	15.17	36.05	26.76	00.275	1511.7							
02.7	OBS	00189	14.96	36.052	26.81		1511.7							
	STD	00200	14.64	36.03	26.82	00.341	1511.4							
02.7	OBS	00236	14.38	35.953	26.86		1510.5							
	STD	00250	14.15	35.91	26.88	00.405	1509.9							
02.7	OBS	00283	13.65	35.827	26.92		1508.7							
	STD	00300	13.65	35.82	26.91	00.467	1509.0							
	STD	00400	13.01	35.72	26.96	00.590	1508.4							
02.7	OBS	T00475	11.85	35.542	27.06		1505.4							
	STD	00500	11.20	35.44	27.10	00.705	1503.3							
02.7	OBS	T00561	09.79	35.246	27.20		1499.2							
	STD	00600	09.12	35.20	27.27	00.806	1497.3							
	STD	00700	07.62	35.10	27.43	00.892	1493.1							
02.7	OBS	00758	06.89	35.061	27.50		1491.2							
	STD	00800	06.45	35.04	27.55	00.964	1490.1							
	STD	00900	05.55	35.01	27.64	01.027	1488.1							
02.7	OBS	T00947	05.19	34.994	27.67		1487.4							
02.7	OBS	T01459	03.96	34.955	27.78		1490.9							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID 31 8124	YEAR 1969	BCTOP 04572	AIR TEMP 18.8	DIR HGT PER	WIND-DIR 31	INST NANSEN CAST	TEN SQ 1306
CONSEC 0027	MONTH 08	SHIP YA	WET BULB 17.2	27 7 4	WIND-SPD 11	TRACE DIR	5 SQUARE 1
LAT 44 07 N	DAY 13	DATA USE 1	BAROMETR 1019.5	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 040 58 W	HOUR 16.4	AREA 05	CLOUD T/A 3/6	CL/TR	WEATHER X1	CRIG D37 027	1 SQUARE 40

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	DXYG	P34	TOT P	ND2	ND3	S103	PH
16.4	STD	00000	19.10	35.10	25.09	00.000	1519.7							
	OBS	00000	19.10	35.097	25.09		1519.7							
	STD	00010	19.10	35.34	25.27	00.028	1520.2							
	STD	00020	19.09	35.56	25.45	00.054	1520.6							
16.4	OBS	00024	19.09	35.65C	25.51		1520.8							
	STD	00030	18.23	35.81	25.85	00.077	1518.6							
	STD	00050	16.24	36.14	26.59	00.114	1513.5							
16.4	OBS	00050	16.24	36.141	26.59		1513.5							
	STD	00075	15.66	36.13	26.71	00.149	1512.1							
16.4	OBS	00075	15.66	36.130	26.71		1512.1							
	STD	00100	15.41	36.12	26.76	00.183	1511.7							
16.4	OBS	00101	15.40	36.119	26.76		1511.7							
	STD	00125	15.12	36.07	26.79	00.216	1511.1							
16.4	OBS	00127	15.10	36.067	26.79		1511.1							
	STD	00150	14.85	36.05	26.83	00.248	1510.7							
16.4	OBS	00151	14.84	36.048	26.83		1510.6							
	STD	00200	14.60	36.00	26.85	00.312	1510.6							
	STD	00250	14.26	35.95	26.88	00.375	1510.3							
	STD	00300	13.84	35.88	26.92	00.437	1509.7							
16.4	OBS	00303	13.81	35.873	26.92		1509.6							
16.4	OBS	00403	13.16	P										
16.4	OBS	T00603	09.43	35.229	27.25		1498.5							
	STD	00700	07.59	35.10	27.43		1495.0							
	STD	00800	06.22	35.02	27.56		1489.2							
16.4	OBS	00807	06.15	35.012	27.56		1489.0							
	STD	00900	05.65	35.01	27.63		1488.6							
	STD	01000	05.19	35.02	27.69		1488.4							
16.4	OBS	T01010	05.15	35.016	27.69		1488.3							
16.4	OBS	T01516	04.04	34.972	27.78		1492.2							

REFID 31 8124	YEAR 1969	BCTOP 04572	AIR TEMP 19.0	DIR HGT PER	WIND-DIR 14	INST NANSEN CAST	TEN SQ 1306
CONSEC 0028	MONTH 08	SHIP YA	WET BULB 17.6	29 3 4	WIND-SPD 06	TRACE DIR	5 SQUARE 1
LAT 44 01 N	DAY 14	DATA USE 1	BAROMETR 1018.2	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 040 58 W	HOUR 12.2	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X1	CRIG D37 028	1 SQUARE 40

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	DXYG	P34	TOT P	ND2	ND3	S103	PH
12.2	STD	00000	19.54	35.34	25.16	00.000	1521.3							
	OBS	00000	19.54	35.344	25.16		1521.3							
	STD	00010	19.47	35.35	25.19	00.028	1521.2							
	STD	00020	19.40	35.36	25.21	00.055	1521.2							
12.2	OBS	00025	19.37	35.358	25.22		1521.2							
	STD	00030	18.64	35.61	25.60	00.081	1519.5							
	STD	00050	16.57	36.24	26.58	00.120	1514.6							
12.2	OBS	00050	16.57	36.237	26.58		1514.6							
	STD	00075	15.90	36.18	26.70	00.156	1512.9							
12.2	OBS	00075	15.90	36.185	26.70		1512.9							
	STD	00100	15.40	36.10	26.75	00.190	1511.6							
12.2	OBS	00101	15.38	36.097	26.75		1511.6							
	STD	00125	15.12	36.08	26.79	00.223	1511.1							
12.2	OBS	00127	15.10	36.077	26.80		1511.1							
	STD	00150	14.89	36.05	26.82	00.255	1510.8							
12.2	OBS	00150	14.89	36.050	26.82		1510.8							
	STD	00200	14.41	35.98	26.88	00.318	1510.0							
12.2	OBS	00201	14.40											
	STD	00250	14.14	35.93	26.85	00.360	1509.9							
	STD	00300	13.88	35.88	26.91	00.442	1509.8							
12.2	OBS	00302	13.87	35.879	26.91		1509.8							
	STD	00400	13.41	35.81	26.96	00.566	1509.8							
12.2	OBS	T00401	13.40	35.811	26.96		1509.8							
	STD	00500	11.27	35.47	27.11	00.681	1503.7							
	STD	00600	09.41	35.23	27.25	00.783	1498.4							
12.2	OBS	T00601	09.39	35.227	27.25		1498.3							
	STD	00700	07.80	35.15	27.44	00.870	1493.9							
	STD	00800	06.56	35.09	27.57	00.941	1490.6							
12.2	OBS	00802	06.54	35.085	27.57		1490.6							
	STD	00900	05.82	35.05	27.64	01.003	1489.3							
	STD	01000	05.20	35.02	27.69	01.059	1488.4							
12.2	OBS	T01010	05.15	35.022	27.70		1488.4							
12.2	OBS	T01521	04.04	34.967	27.78		1492.3							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID 31 8124	YEAR 1969	BOTOP 04572	AIR TEMP 18.9	DIR HGT PER	WIND-DIR 27	INST NANSEN CAST	TEN SQ 1306
CONSEC 0029	MONTH 08	SHIP YA	WET BULB 15.8	26 5 3	WIND-SPD 25	TRACE DIR	5 SQUARE 1
LAT 44 02 N	DAY 15	DATA USE 1	BAROMETR 1002.2	SEA	WIND-FOR	DURATION	2 SQUARE 40
LONG 040 53 W	HOUR 20.1	AREA 05	CLOUD T/A 6/2	CL/TP	WEATHER X1	DRIG 037 C29	1 SQUARE 40

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	SI03	PH
20.1	STD	00000	19.20	35.18	25.13	00.000	1520.1							
	OBS	00000	19.20	35.179	25.13		1520.1							
	STD	00010	19.17	35.19	25.14	00.028	1520.2							
	STD	00020	19.14	35.21	25.16	00.056	1520.3							
20.1	OBS	00025	19.12	35.215	25.17		1520.4							
	STD	00030	18.29	35.46	25.57	00.082	1518.4							
	STD	00050	15.99	36.10	26.62	00.121	1512.6							
20.1	OBS	00050	15.99	36.104	26.62		1512.6							
	STD	00075	15.45	36.13	26.76	00.156	1511.4							
20.1	OBS	00075	15.45	36.131	26.76		1511.4							
	STD	00100	15.08	36.08	26.80	00.188	1510.6							
20.1	OBS	00100	15.08	36.080	26.80		1510.6							
	STD	00125	14.93	36.07	26.83	00.220	1510.5							
20.1	OBS	00125	14.93	36.072	26.83		1510.5							
	STD	00150	14.75	36.05	26.86	00.252	1510.3							
20.1	OBS	00151	14.74	36.052	26.86		1510.3							
	STD	00200	14.33	35.97	26.89	00.314	1509.7							
	STD	00250	13.97	35.91	26.91	00.375	1509.3							
	STD	00300	13.67	35.86	26.94	00.436	1509.1							
20.1	OBS	T00302	13.66	35.854	26.94		1509.1							
	STD	00400	13.28	35.80	26.97	00.557	1509.4							
20.1	OBS	T00404	13.24	35.791	26.97		1509.3							
	STD	00500	11.19	35.47	27.13	00.671	1503.4							
	STD	00600	09.30	35.24	27.27	00.771	1498.0							
20.1	OBS	T00611	09.11	35.215	27.29		1497.4							
	STD	00700	07.67	35.14	27.45	00.856	1493.4							
	STD	00800	06.30	35.06	27.58	00.925	1489.6							
20.1	OBS	00819	06.07	35.041	27.60		1488.9							

REFID 31 8124	YEAR 1969	BOTOP 04572	AIR TEMP 17.0	DIR HGT PER	WIND-DIR 27	INST NANSEN CAST	TEN SQ 1306
CONSEC 0030	MONTH 08	SHIP YA	WET BULB 13.8	77 2 4	WIND-SPD 14	TRACE DIR	5 SQUARE 1
LAT 43 57 N	DAY 16	DATA USE 1	BAROMETR 1014.7	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 040 55 W	HOUR 16.9	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X2	DRIG 037 C30	1 SQUARE 30

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	SI03	PH
16.9	STD	00000	18.93	35.35	25.33	00.000	1519.6							
	OBS	00000	18.93	35.353	25.33		1519.6							
	STD	00010	18.93	35.35	25.32	00.026	1519.7							
	STD	00020	18.94	35.35	25.32	00.053	1519.9							
16.9	OBS	00025	18.94	35.348	25.32		1520.0							
	STD	00030	18.33	35.58	25.65	00.078	1518.6							
16.9	OBS	00049	16.81	36.183	26.48		1515.2							
	STD	00050	16.80	36.19	26.45	00.117	1515.2							
16.9	OBS	00074	16.68	36.306	26.61		1515.4							
	STD	00075	16.63	36.29	26.61	00.155	1515.2							
16.9	OBS	00098	15.74	36.116	26.68		1512.7							
	STD	00100	15.74	36.12	26.69	00.191	1512.7							
16.9	OBS	00123	15.58	36.136	26.73		1512.6							
	STD	00125	15.54	36.13	26.74	00.225	1512.5							
16.9	OBS	00148	15.08	36.044	26.78		1511.4							
	STD	00150	15.06	36.04	26.78	00.258	1511.3							
	STD	00200	14.68	35.99	26.82	00.324	1510.9							
	STD	00250	14.31	35.94	26.86	00.388	1510.5							
16.9	OBS	00294	14.02	35.898	26.89		1510.2							
	STD	00300	14.02	35.90	26.89	00.451	1510.3							
16.9	OBS	00392	13.44	35.812	26.95		1509.8							
	STD	00400	13.22	35.78	26.97	00.575	1509.1							
	STD	00500	10.80	35.41	27.15	00.667	1502.0							
16.9	OBS	T00558	09.67	35.259	27.23		1498.7							
	STD	00600	09.12	35.25	27.31	00.784	1497.4							
	STD	00700	07.96	35.21	27.47	00.866	1494.6							
16.9	OBS	00783	07.15	35.165	27.55		1492.8							
	STD	00800	07.01	35.15	27.55	00.928	1492.5							
	STD	00900	06.27	35.05	27.57	01.004	1491.1							
16.9	OBS	00980	05.76	34.984	27.59		1490.3							
16.9	OBS	T01478	04.12	34.964	27.77		1491.9							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NÖDC listing No. 31-8124 YA.—Continued

REFID 31 8124	YEAR 1969	80TOP 04572	AIR TEMP 19.0	DIF HGT PER	WIND-DIR 28	INST NANSEN CAST	TEN SQ 1306
CONSEC 0031	MONTH 08	SHIP YA	WET BULB 16.0	31 5 4	WIND-SPD 14	TRACE DIR	5 SQUARE 1
LAT 43 59 N	DAY 17	DATA USE 1	BAROMETR 1022.4	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 040 59 W	HOOR 12.2	AREA 05	CLOUD T/A 6/3	CL/TR	WEATHER X1	CRIG 037 031	1 SQUARE 30

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
	STO	00000	19.47	35.44	25.25	00.000	1521.2							
12.2	OBS	00000	19.47	35.440	25.25		1521.2							
	STO	00010	19.47	35.44	25.25	00.027	1521.4							
	STO	00020	19.48	35.44	25.25	00.054	1521.5							
12.2	OBS	00025	19.48	35.440	25.25		1521.6							
	STO	00030	18.73	35.65	25.60	00.080	1519.8							
	STO	00050	16.70	36.20	26.52	00.119	1514.9							
12.2	OBS	00051	16.64	36.215	26.55		1514.8							
	STO	00075	16.48	36.26	26.62	00.157	1514.7							
12.2	OBS	00077	16.44	36.267	26.64		1514.7							
	STO	00100	15.63	36.11	26.70	00.192	1512.4							
12.2	OBS	00102	15.59	36.100	26.70		1512.3							
	STO	00125	15.41	36.12	26.76	00.226	1511.1							
12.2	OBS	00127	15.39	36.116	26.76		1512.1							
	STO	00150	15.14	36.11	26.81	00.259	1511.7							
12.2	OBS	00153	15.11	36.108	26.82		1511.6							
	STO	00200	14.78	36.05	26.85	00.323	1511.3							
	STO	00250	14.42	35.99	26.88	00.386	1510.9							
	STO	00300	14.07	35.92	26.90	00.449	1510.5							
12.2	OBS	00305	14.03	35.914	26.90		1510.4							
	STO	00400	13.37	35.78	26.94	00.573	1509.6							
12.2	OBS	00407	13.29	35.764	26.94		1509.5							
	STO	00500	11.17	35.45	27.11	00.689	1503.4							
	STO	00600	09.28	35.22	27.26	00.790	1497.9							
12.2	OBS	T00610	09.11	35.199	27.28		1497.4							
	STO	00700	07.83	35.14	27.43	00.877	1494.0							
	STO	00800	06.69	35.09	27.55	00.949	1491.1							
12.2	OBS	C0817	06.53	35.077	27.56		1490.8							
	STO	00900	05.96											
	STO	01000	05.38											
12.2	OBS	01019	05.28											
12.2	OBS	T01530	04.04	34.998	27.80		1492.5							

REFID 31 8124	YEAR 1969	80TOP 04572	AIR TEMP 19.8	DIF HGT PER	WIND-DIR 26	INST NANSEN CAST	TEN SQ 1306
CONSEC 0032	MONTH 08	SHIP YA	WET BULB 17.5	32 3 3	WIND-SPD 04	TRACE DIR	5 SQUARE 1
LAT 43 59 N	DAY 18	DATA USE 1	BAROMETR 1023.7	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 040 56 W	HOOR 12.7	AREA 05	CLOUD T/A 3/6	CL/TR	WEATHER X1	CRIG 037 032	1 SQUARE 30

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
	STO	00000	19.80	35.52	25.23	00.000	1522.2							
12.7	OBS	00000	19.80	35.523	25.23		1522.2							
	STO	00010	19.79	35.52	25.23	00.027	1522.3							
	STO	00020	19.78	35.52	25.24	00.054	1522.5							
12.7	OBS	00025	19.77	35.523	25.24		1522.5							
	STO	00030	18.89	35.71	25.61	00.080	1520.4							
12.7	OBS	00049	16.60	36.188	26.54		1514.6							
	STO	00050	16.58	36.19	26.54	00.119	1514.5							
12.7	OBS	00074	16.09	36.204	26.67		1513.5							
	STO	00075	16.06	36.20	26.67	00.156	1513.4							
12.7	OBS	00099	15.56	36.140	26.74		1512.2							
	STO	00100	15.55	36.14	26.74	00.190	1512.1							
	STO	00125	15.23	36.09	26.78	00.223	1511.5							
12.7	OBS	00125	15.23	36.092	26.78		1511.5							
	STO	00150	15.03	36.07	26.81	00.256	1511.3							
12.7	OBS	00151	15.02	36.072	26.81		1511.2							
	STO	00200	14.51	35.98	26.86	00.320	1510.3							
12.7	OBS	00200	14.51	35.984	26.86		1510.3							
	STO	00250	13.94	35.87	26.89	00.383	1509.2							
	STO	00300	13.48	35.78	26.92	00.444	1508.4							
12.7	OBS	00306	13.43	35.774	26.92		1508.3							
	STO	00400	12.94	35.70	26.96	00.566	1508.1							
12.7	OBS	00411	12.83	35.683	26.97		1507.9							
	STO	00500	10.96	35.42	27.13	00.680	1502.6							
	STO	00600	09.15	35.21	27.28	00.780	1497.4							
12.7	OBS	T00627	08.72	35.165	27.31		1496.2							
	STO	00700	07.65	35.12	27.44	00.865	1493.3							
	STO	00800	06.47	35.07	27.56	00.937	1490.3							
12.7	OBS	00842	06.08	35.050	27.60		1489.4							
	STO	00900	05.75	35.04	27.64	00.998	1489.0							
	STO	01000	05.23	35.03	27.69	01.054	1486.5							
12.7	OBS	T01057	04.98	35.022	27.72		1488.4							
12.7	OBS	T01602	03.93	34.959	27.78		1493.2							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID	31	8124	YEAR	1969	BOATOP	04572	AIR TEMP	19.9	DIP HGT PER	WIND-DIR	18	INST NANSEN	CAS	TEN SQ	1306
CONSEC		0033	MONTH	08	SHIP YA		WET BULB	16.7	23 3 3	WIND-SPD	12	TRACE DIR		5 SQUARE	1
LAT	44	06	N	DAY	19	DATA USE	1	BAROMETR	1023.0	SEA		DURATION		2 SQUARE	40
LONG	040	55	W	HOUR	12.3	AREA	05	CLOUD T/A	7/3	CL/TR		WEATHER	X1	1 SQUARE	40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
	STO	0000	18.98	35.14	25.15	00.000	1519.5							
12.3	OBS	00000	18.98	35.143	25.15		1519.5							
	STO	00010	19.41	35.35	25.20	00.028	1521.1							
	STO	00020	19.84	35.55	25.24	00.055	1522.7							
12.3	OBS	00026	20.10	35.661	25.26		1523.6							
	STO	00030	19.32	35.75	25.53	00.081	1521.6							
	STO	00050	16.61	36.07	26.45	00.122	1514.5							
12.3	OBS	00051	16.53	36.084	26.47		1514.3							
	STO	00075	16.17	36.21	26.65	00.160	1513.7							
12.3	OBS	00077	16.13	36.211	26.67		1513.7							
	STO	00100	15.63	36.16	26.74	00.194	1512.4							
12.3	OBS	00102	15.59	36.156	26.75		1512.3							
	STO	00125	15.24	36.10	26.78	00.228	1511.6							
12.3	OBS	00128	15.20	36.096	26.79		1511.5							
	STO	00150	14.94	36.06	26.82	00.260	1511.0							
12.3	OBS	00154	14.90	36.055	26.82		1510.9							
	STO	00200	14.45	35.97	26.86	00.324	1510.1							
12.3	OBS	00205	14.40	35.962	26.86		1510.0							
	STO	00250	13.86	35.84	26.88	00.387	1508.9							
	STO	00300	13.37	35.74	26.91	00.449	1507.9							
12.3	OBS	00317	13.23	35.716	26.92		1507.7							
	STO	00400	12.78	35.68	26.98	00.570	1507.5							
12.3	OBS	00410	12.69	35.669	26.99		1507.4							
	STO	00500	10.96	35.44	27.15	00.683	1502.6							
	STO	00600	09.24	35.25	27.29	00.780	1497.8							
12.3	OBS	T00620	08.92	35.219	27.32		1496.9							
	STO	00700	07.65	35.13	27.45	00.864	1493.3							
	STO	00800	06.41	35.05	27.56	00.935	1490.0							
12.3	OBS	00828	06.14	35.037	27.58		1489.3							
	STO	00900	05.73	35.03	27.63	00.998	1488.9							
	STO	01000	05.23	35.01	27.66	01.054	1488.5							
12.3	OBS	T01040	05.06	35.010	27.70		1488.5							
12.3	OBS	T01574	04.06	34.962	27.77		1492.2							
	STO	01750	04.08	35.01	27.81		1496.3							
	STO	02000	04.11	35.04	27.83		1500.8							
14.4	OBS	02009	04.11	35.045	27.83		1500.9							
	STO	02500	03.39	35.01	27.88		1506.2							
14.4	OBS	02514	03.37	35.014	27.88		1506.4							
	STO	03000	03.02	34.98	27.89		1513.3							
14.4	OBS	03021	03.01											
14.4	OBS	T03510	02.66	34.943	27.89		1520.6							
	STO	04000	02.40	34.91	27.89		1528.0							
14.4	OBS	T04029	02.39	34.910	27.89		1528.5							
14.4	OBS	04174	02.38	34.913	27.89		1531.0							

REFID	31	8124	YEAR	1969	BOATOP	04572	AIR TEMP	21.2	DIP HGT PER	WIND-DIR	18	INST NANSEN	CAS	TEN SQ	1306
CONSEC		0034	MONTH	08	SHIP YA		WET BULB	19.6	06 2 3	WIND-SPD	07	TRACE DIR		5 SQUARE	1
LAT	44	04	N	DAY	20	DATA USE	1	BAROMETR	1020.0	SEA		DURATION		2 SQUARE	40
LONG	040	56	W	HOUR	12.2	AREA	05	CLOUD T/A	6/6	CL/TR		WEATHER	X1	1 SQUARE	40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
	STO	00000	20.11	35.22	24.92	00.000	1522.7							
12.2	OBS	00000	20.11	35.219	24.92		1522.7							
	STO	00010	19.86	35.22	24.98	00.030	1522.2							
	STO	00020	19.61	35.22	25.05	00.059	1521.6							
12.2	OBS	00024	19.51	35.215	25.07		1521.4							
	STO	00030	18.53	35.57	25.60	00.086	1519.2							
12.2	OBS	00048	16.51	36.235	26.60		1514.4							
	STO	00050	16.45	36.23	26.60	00.125	1514.2							
12.2	OBS	00072	15.93	36.160	26.67		1512.9							
	STO	00075	15.87	36.15	26.68	00.160	1512.8							
12.2	OBS	00096	15.54	36.116	26.73		1512.0							
	STO	00100	15.50	36.11	26.74	00.195	1512.0							
12.2	OBS	00120	15.33	36.108	26.77		1511.8							
	STO	00125	15.28	36.10	26.77	00.228	1511.7							
12.2	OBS	00143		36.072										
	STO	00150	15.06	36.06	26.79	00.261	1511.3							
	STO	00200	14.62	35.99	26.83	00.326	1510.7							
	STO	00250	14.21	35.92	26.87	00.390	1510.1							
12.2	OBS	00286	13.93	35.871	26.89		1509.7							
	STO	00300	13.88	35.86	26.90	00.453	1509.8							
12.2	OBS	00379	13.26	35.760	26.95		1509.9							
	STO	00400	12.77	35.67	26.98	00.575	1507.5							
	STO	00500	10.67	35.35	27.12	00.688	1501.5							
12.2	OBS	T00570	09.43	35.199	27.22		1497.9							
	STO	00600	09.01	35.19	27.28	00.787	1496.9							
	STO	00700	07.71	35.15	27.45	00.871	1493.5							
12.2	OBS	00754	07.06	35.120	27.53		1491.9							
	STO	00800	06.47	35.08	27.57	00.942	1490.3							
	STO	00900	05.45	35.00	27.64	01.003	1487.7							
12.2	OBS	T00034	05.15	34.978	27.66		1487.0							
12.2	OBS	T01430	04.10	34.970	27.77		1491.0							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID	31	8124	YEAR	1969	BOTOP	04572	AIR TEMP	21.2	DIP HGT	PER	WIND-DIR	17	INST NANSEN	CAST	TEN SQ	1306		
CONSEC		0035	MONTH	08	SHIP YA		WET RULR	20.6		17	3	2	TRACE DIR		5	SQUARE	1	
LAT	44	05	N	DAY	21	DATA USE	1	BAROMETR	1020.2	SEA	WIND-FSP		OUPTATION		2	SQUARE	40	
LONG	040	55	W	HOUR	12.3	AREA	05	CLOUD T/A	7/6	CL/TR	WEATHER	X1	ORIG	037	035	1	SQUARE	40

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	ORYG	P34	TOT P	NO2	NO3	S103	PH
12.3	STS	00000	19.95	35.11	24.88	00.000	1522.1							
	STS	00000	19.95	35.108	24.88		1522.1							
	STS	00010	19.87	35.10	24.89	00.030	1522.0							
	STS	00020	19.78	35.09	24.91	00.061	1522.0							
12.3	STS	00024	19.75	35.092	24.92		1521.9							
	STS	00030	18.85	35.35	25.34	00.090	1519.8							
12.3	STS	00048	16.88	35.909	26.26		1515.1							
	STS	00050	16.80	35.95	26.31	00.134	1514.9							
12.3	STS	00073	15.98	36.194	26.69		1513.1							
	STS	00075	15.92	36.18	26.69	00.173	1512.9							
12.3	STS	00097	15.44	36.115	26.75		1511.7							
	STS	00100	15.41	36.11	26.76	00.206	1511.7							
12.3	STS	00122	15.22	36.103	26.79		1511.4							
	STS	00125	15.20	36.10	26.79	00.239	1511.4							
12.3	STS	00147	15.07	36.091	26.81		1511.4							
	STS	00150	15.04	36.08	26.82	00.272	1511.3							
	STS	00200	14.51	35.98	26.85	00.336	1510.3							
	STS	00250	14.05	35.89	26.88	00.399	1509.5							
12.3	STS	00293	13.69	35.830	26.91		1509.0							
	STS	00300	13.67	35.83	26.91	00.461	1509.0							
12.3	STS	00390	13.04	35.732	26.97		1508.3							
	STS	00400	12.84	35.70	26.98	00.582	1507.8							
	STS	00500	10.96	35.42	27.13	00.695	1502.6							
12.3	STS	00584	09.53	35.250	27.25		1498.6							
	STS	00600	09.23	35.23	27.28	00.794	1497.7							
	STS	00700	07.64	35.12	27.44	00.879	1493.2							
12.3	STS	00780	06.70	35.053	27.52		1490.8							
	STS	00800	06.58											
	STS	00900	06.00											
12.3	STS	00975	05.62											
12.3	STS	001487	04.08	34.970	27.78		1491.9							

REFID	31	8124	YEAR	1969	BOTOP	04572	AIR TEMP	20.6	DIP HGT	PER	WIND-DIR	19	INST NANSEN	CAST	TEN SQ	1306		
CONSEC		0036	MONTH	08	SHIP YA		WET RULR	20.1		22	3	3	TRACE DIR		5	SQUARE	1	
LAT	43	55	N	DAY	22	DATA USE	1	BAROMETR	1022.0	SEA	WIND-FSP		OUPTATION		2	SQUARE	20	
LONG	041	00	W	HOUR	12.7	AREA	05	CLOUD T/A	6/6	CL/TR	WEATHER	X1	ORIG	037	036	1	SQUARE	31

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	ORYG	P34	TOT P	NO2	NO3	S103	PH
12.7	STS	00000	18.93	35.04	25.09	00.000	1519.2							
	STS	00000	18.93	35.041	25.09		1519.2							
	STS	00010	18.84	35.07	25.14	00.028	1519.1							
	STS	00020	18.57	35.11	25.23	00.056	1518.6							
12.7	STS	00025	18.36	35.124	25.30		1518.1							
	STS	00030	17.93	35.41	25.62	00.082	1517.3							
12.7	STS	00049	16.74	36.127	26.46		1514.9							
	STS	00050	16.73	36.13	26.47	00.122	1514.9							
12.7	STS	00074	16.24	36.214	26.64		1513.9							
	STS	00075	16.20	36.21	26.65	00.159	1513.8							
12.7	STS	00098	15.42	36.123	26.76		1511.7							
	STS	00100	15.39	36.12	26.76	00.194	1511.6							
12.7	STS	00123	15.07	36.068	26.80		1510.9							
	STS	00125	15.06	36.07	26.80	00.226	1511.0							
12.7	STS	00148		36.064										
	STS	00150	14.97	36.06	26.81	00.259	1511.1							
12.7	STS	00197	14.80	36.000	26.80		1511.2							
	STS	00200	14.75	35.99	26.81	00.324	1511.1							
	STS	00250	14.03	35.88	26.88	00.388	1509.5							
12.7	STS	00294	13.46	35.795	26.93		1508.2							
	STS	00300	13.40	35.79	26.94	00.449	1508.1							
12.7	STS	00391	12.45	35.632	27.01		1506.2							
	STS	00400	12.34	35.60	27.01	00.568	1506.0							
	STS	00500	11.00	35.33	27.05	00.683	1502.6							
12.7	STS	00584	09.69	35.171	27.16		1499.1							
	STS	00600	09.33	35.16	27.21	00.790	1498.0							
	STS	00700	07.32	35.08	27.45	00.877	1491.9							
12.7	STS	00776	06.04	35.026	27.59		1488.1							
12.7	STS	001440	04.25	34.978	27.76		1491.8							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31-8124 YA.—Continued

REFID 31 8124 YEAR 1969 BCTOP 04572 AIR TEMP 21.0 OIR HGT PER WIND-OIR 15 INST NANSEN CAST TEN SQ 1306
 CONSEC 0037 MONTH 08 SHIP YA WET BULB 20.1 21 5 3 WIND-SPO 16 TRACE OIR 5 SQUARE 1
 LAT 44 09 N DAY 23 DATA USE 1 RAPOMET 1023.4 SEA WIND-FDP 2 SQUARE 40
 LONG 040 50 W HOUR 12.2 AREA 05 CLOUD T/A 3/6 CL/TR WEATHER X1 ORIG 037 037 1 SQUARE 40

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
	STO	00000	19.77	35.32	25.09	00.000	1521.9							
12.2	ORS	00000	19.77	35.325	25.09		1521.9							
	STO	00010	19.04	35.11	25.12	00.028	1519.8							
	STO	00020	18.52	34.99	25.16	00.057	1518.3							
12.2	ORS	00026	18.30	34.963	25.19		1517.7							
	STO	00030	18.29	35.00	25.22	00.085	1517.8							
	STO	00050	18.23	35.20	25.39	00.138	1518.2							
12.2	ORS	00052	18.22	35.218	25.40		1518.2							
	STO	00075	17.70	36.22	26.29	00.193	1518.3							
12.2	ORS	00079	17.60	36.305	26.39		1518.2							
	STO	00100	17.03	36.28	26.51	00.235	1516.8							
12.2	ORS	00105	16.89	36.273	26.53		1516.5							
	STO	00125	16.28	36.22	26.64	00.273	1514.9							
12.2	ORS	00132	16.04	36.186	26.67		1514.2							
	STO	00150	15.31	36.06	26.74	00.308	1512.1							
12.2	ORS	00159	14.98	36.000	26.76		1511.2							
	STO	00200	14.37	35.89	26.81	00.375	1509.8							
	STO	00250	13.75	35.78	26.86	00.439	1508.4							
	STO	00300	13.26	35.70	26.90	00.502	1507.5							
12.2	ORS	00318	13.11	35.684	26.92		1507.3							
	STO	00400	12.81	35.68	26.98	00.624	1507.7							
12.2	ORS	T00424	12.60	35.664	27.01		1507.3							
	STO	00500	10.89	35.43	27.15	00.736	1502.4							
	STO	00600	08.93	35.20	27.31	00.833	1496.6							
12.2	ORS	00635	08.32	35.144	27.36		1494.8							
	STO	00700	07.32	35.09	27.46	00.915	1491.9							
	STO	00800	06.00	35.02	27.59	00.983	1488.3							
12.2	ORS	00845	05.50	34.990	27.63		1487.0							
12.2	ORS	T01454	04.05	34.947	27.76		1491.2							

REFID 31 8124 YEAR 1969 BCTOP 04572 AIR TEMP 21.6 OIR HGT PER WIND-OIR 15 INST NANSEN CAST TEN SQ 1306
 CONSEC 0038 MONTH 08 SHIP YA WET BULB 20.3 15 5 3 WIND-SPO 23 TRACE OIR 5 SQUARE 1
 LAT 44 12 N DAY 24 DATA USE 1 RAPOMET 1020.7 SEA WIND-FDP 2 SQUARE 40
 LONG 040 55 W HOUR 12.7 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG 037 038 1 SQUARE 40

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
	STO	00000	20.74	35.36	24.86	00.000	1524.6							
12.7	ORS	00000	20.74	35.364	24.86		1524.6							
	STO	00010	20.71	35.36	24.87	00.031	1524.6							
	STO	00020	20.67	35.36	24.88	00.061	1524.7							
12.7	ORS	00024	20.66	35.361	24.88		1524.7							
	STO	00030	19.43	35.60	25.39	00.090	1521.8							
12.7	ORS	00047	16.99	36.064	26.35		1515.6							
	STO	00050	16.88	36.09	26.40	00.133	1515.3							
12.7	ORS	00071	16.18	36.194	26.64		1513.7							
	STO	00075	16.06	36.18	26.66	00.171	1513.4							
12.7	ORS	00094	15.55	36.103	26.72		1512.0							
	STO	00100	15.40	36.08	26.73	00.206	1511.6							
12.7	ORS	00118	15.08	36.048	26.78		1510.9							
	STO	00125	15.04	36.05	26.79	00.229	1510.8							
12.7	ORS	00142	14.92	36.052	26.82		1510.8							
	STO	00150	14.84	36.04	26.82	00.271	1510.6							
	STO	00200	14.38	35.94	26.85	00.335	1509.8							
	STO	00250	13.91	35.85	26.88	00.398	1509.0							
12.7	ORS	00282	13.61	35.795	26.90		1508.5							
	STO	00300	13.48	35.77	26.91	00.460	1508.3							
12.7	ORS	T00376	12.74	35.656	26.97		1507.0							
	STO	00400	12.32	35.59	27.00	00.581	1505.9							
	STO	00500	10.66	35.35	27.12	00.693	1501.4							
12.7	ORS	T00554	09.84	35.254	27.20		1499.2							
	STO	00600	09.18	35.22	27.28	00.792	1497.5							
	STO	00700	07.88	35.16	27.44	00.877	1494.2							
12.7	ORS	00744	07.38	35.140	27.50		1493.0							
	STO	00800	06.81	35.12	27.56	00.949	1491.6							
	STO	00900	05.92	35.08	27.65	01.011	1489.7							
12.7	ORS	T00934	05.66	35.066	27.67		1489.2							
12.7	ORS	T01430	04.15	34.970	27.77		1491.2							

TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC YAKU-TAT at Ocean Station DELTA, 5 August–26 August 1969, prepared from NODC listing No. 31–8124 YA.—Continued

REFID 31 8124	YEAR 1969	BOTDP 04572	AIR TEMP 21.8	DIF HGT PER	WIND-DIR 16	INST NANSEN CAST	TEN SQ 1306
CONSEC 0039	MONTH 08	SHIP YA	WET BULR 20.8	24 7 2	WIND-SPD 27	TRACE DIR	5 SQUARE 1
LAT 44 08 N	DAY 25	DATA USE 1	BAROMETR 1017.6	SEA	WIND-FDR	DURATION	2 SQUARE 40
LONG 040 57 W	HOUR 12.0	AREA 05	CLOUD T/8 3/6	CL/TR	WEATHER X1	ORIG 037 039	1 SQUARE 40

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIC3	PH
12.0	STO	00000	21.53	35.85	25.01	00.000	1527.2							
	DRS	00000	21.53	35.846	25.01		1527.2							
	STO	00010	21.54	35.85	25.01	00.029	1527.4							
	STO	00020	21.55	35.86	25.01	00.059	1527.6							
12.0	DRS	00024	21.56	35.858	25.01		1527.7							
	STO	00030	21.52	35.89	25.04	00.088	1527.7							
12.0	DRS	00049	21.41	36.020	25.18		1527.9							
	STO	00050	21.22	36.04	25.24	00.145	1527.4							
12.0	DRS	00074	17.89	36.309	26.32		1519.0							
	STO	00075	17.84	36.31	26.33	00.201	1518.8							
12.0	DRS	00098	16.99	36.309	26.54		1516.7							
	STO	00100	16.96	36.31	26.54	00.242	1516.7							
12.0	DRS	00122	16.51	36.254	26.61		1515.6							
	STO	00125	16.39	36.23	26.62	00.280	1515.2							
12.0	DRS	00147	15.71	36.103	26.68		1513.4							
	STO	00150	15.70	36.10	26.68	00.316	1513.4							
12.0	DRS	00196	15.58	36.091	26.70		1513.8							
	STO	00200	15.47	36.07	26.71	00.386	1513.5							
	STO	00250	14.31	35.88	26.62	00.454	1510.4							
12.0	DRS	00293	13.53	35.759	26.89		1508.4							
	STO	00300	13.48	35.75	26.89	00.518	1508.3							
12.0	DRS	T00391	12.52	35.601	26.97		1506.4							
	STO	00400	12.35	35.58	26.99	00.640	1506.0							
	STO	00500	10.52	35.35	27.15	00.751	1500.9							
12.0	DRS	T00578	09.11	35.199	27.28		1496.9							
	STO	00600	08.65	35.16	27.32	00.847	1495.5							
	STO	00700	06.81	35.03	27.49	00.927	1489.9							
12.0	DRS	00755	05.97	34.974	27.56		1487.4							
12.0	DRS	T01287	04.39	34.994	27.76		1489.8							

REFID 31 8124	YEAR 1969	BOTDP 04572	AIR TEMP 18.5	DIF HGT PER	WIND-DIR 27	INST NANSEN CAST	TEN SQ 1306
CONSEC 0040	MONTH 08	SHIP YA	WET BULR 15.9	10 5 2	WIND-SPD 15	TRACE DIR	5 SQUARE 1
LAT 43 51 N	DAY 26	DATA USE 1	BAROMETR 1017.3	SEA	WIND-FDR	DURATION	2 SQUARE 22
LONG 043 19 W	HOUR 11.2	AREA 05	CLOUD T/A C/3	CL/TR	WEATHER X1	ORIG 037 040	1 SQUARE 33

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIC3	PH
11.2	STO	00000	23.73	35.86	24.39	00.000	1532.8							
	DRS	00000	23.73	35.862	24.39		1532.8							
	STO	00010	22.91	35.87	24.64	00.034	1530.9							
	STO	00020	21.97	35.88	24.91	00.066	1528.7							
11.2	DRS	00027	21.25	35.886	25.12		1527.0							
	STO	00030	20.78	35.96	25.30	00.094	1525.8							
	STO	00050	18.34	36.28	26.18	00.140	1519.8							
11.2	DRS	00053	18.08	36.306	26.27		1519.2							
	STO	00075	17.17	36.28	26.48	00.183	1516.8							
11.2	DRS	00080	17.02	36.282	26.51		1516.5							
	STO	00100	16.68	36.28	26.59	00.222	1515.8							
11.2	DRS	00106	16.59	36.282	26.61		1515.6							
	STO	00125	16.31	36.25	26.66	00.258	1515.0							
11.2	DRS	00133	16.20	36.242	26.67		1514.8							
	STO	00150	16.11	36.22	26.68	00.254	1514.8							
11.2	DRS	00160		36.206										
	STO	00200	15.80	36.19	26.73	00.364	1514.6							
	STO	00250	15.39	36.14	26.78	00.433	1514.1							
	STO	00300	14.89	36.06	26.83	00.500	1513.3							
11.2	DRS	00319	14.67	36.024	26.85		1512.8							
	STO	00400	13.57	35.79	26.91	00.629	1510.3							
11.2	DRS	00427	13.18	35.724	26.93		1509.4							
	STO	00500	11.96	35.55	27.04	00.750	1506.2							
	STO	00600	10.28	35.34	27.18	00.859	1501.7							
11.2	DRS	T00630	09.79	35.282	27.23		1500.3							
	STO	00700	08.31	35.15	27.37	00.953	1495.8							
	STO	00800	06.71	35.03	27.51	01.031	1491.1							
11.2	DRS	00844	06.18	35.002	27.55		1489.7							
	STO	00900	05.88	35.02	27.60	01.098	1489.5							
	STO	01000	05.40	35.04	27.68	01.157	1489.2							
11.2	DRS	T01051	05.19	35.045	27.71		1489.2							
11.2	DRS	01569	04.14	34.994	27.79		1493.5							



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