GULF STREAM '60*

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INTRODUCTION

In the Spring of 1960 a comprehensive study of a large portion of the Gulf Stream System was undertaken by the Woods Hole Oceanographic Institution. This work, which was given the code name of "Gulf Stream '60", was planned and directed by the author and sponsored by the U.S. Navy, Office of Naval Research.

"Gulf Stream '60" extended over a period of 2½ months, from 2 April to 15 June. The W.H.O.I. research vessels *Atlantis*, *Crawford* and *Chain* participated during the entire period and the International Ice Patrol oceanographic vessel U.S.C.G.C. *Evergreen* took part in the first phase. At regular intervals throughout the year, moreover, the Institution's DC-3 and a long-range Navy patrol plane tracked transponding drift-buoys which were set out during the cruise.

The area studied (Fig. 1) encompasses approximately ½ million square miles, extending from the continental shelf south to the latitude of Bermuda and from the Grand Banks of Newfoundland west to Georges Bank, off Cape Cod. The ocean depth over most of the region is between 5000 and 5500 m; on the continental shelf at the northern boundary, however, the depth is generally less than 200 m; furthermore, a range of seamounts crosses the area, some of whose peaks reach to within 1500 m of the sea surface.

"Gulf Stream '60" was divided into three phases each lasting 3 weeks. The general plan was to obtain during the first phase a grid of oceanographic stations covering the entire area and then, in the next two phases, to trace out the current pattern in detail and make direct deep current observations in the Gulf Stream. The specific plans for the latter two periods were to be drawn up at Bermuda when the ships met there between periods.

In the first phase the *Atlantis* occupied stations on sections I–III consecutively (Fig. 2), making measurements of temperature, salinity, dissolved oxygen and pH at 25 levels from the sea surface to very near the bottom.

* Contribution No. 1246 from the Woods Hole Oceanographic Institution. This work was done under Contract Nonr-2196 (00) with the Office of Naval Research.

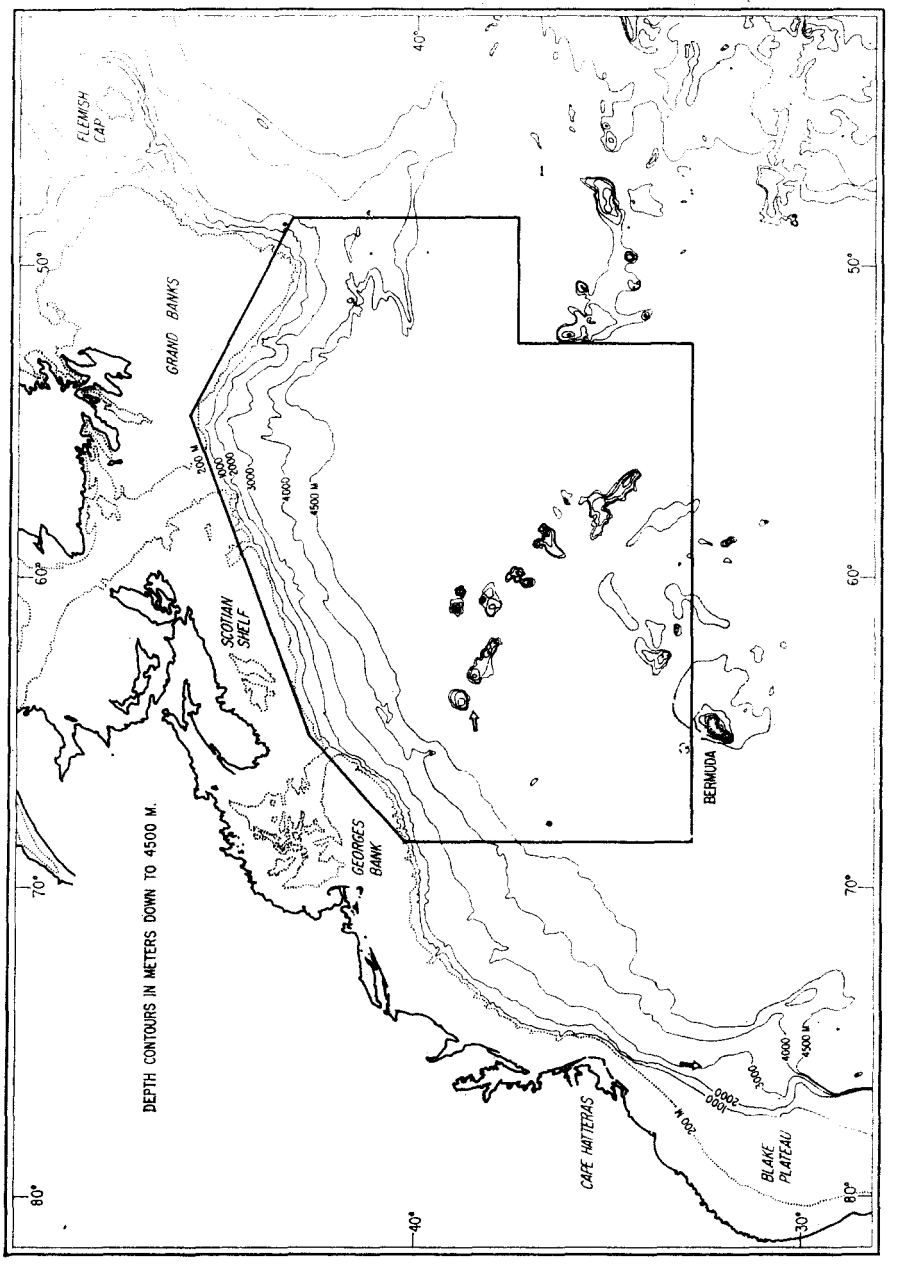


FIG. 1. The area studied in "Gulf Stream '60".

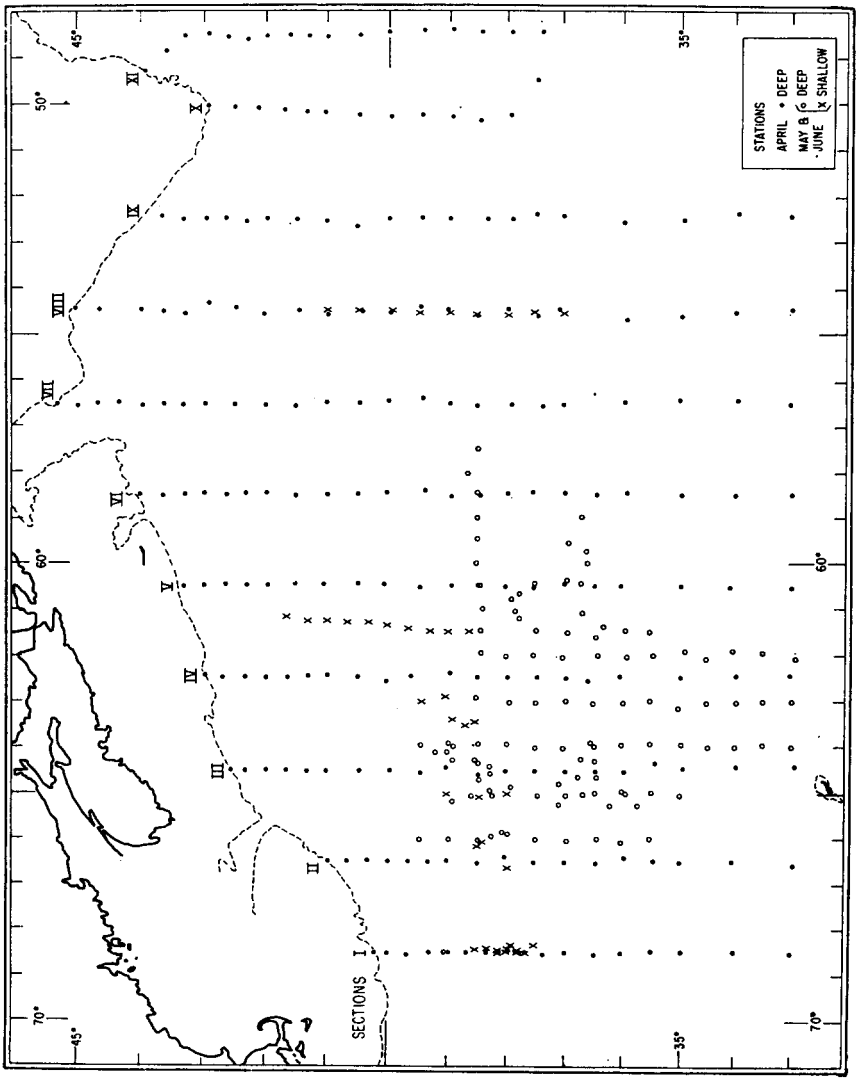


FIG. 2. Station locations "Gulf Stream '60".

Concurrently, the *Crawford* made sections IV–VI; the *Chain*, sections VII–IX; and the *Evergreen*, sections XI and X. pH was not measured on these three ships nor was dissolved oxygen determined on the *Evergreen*. Because of its commitments to the regular work of the International Ice Patrol, the *Evergreen* could not spare the time to extend its sections to the latitude of Bermuda. On three occasions during this period the naval patrol plane made radiation measurements and obtained visual observations of various portions of the area. At the end of 3 weeks the W.H.O.I. ships met in Bermuda.

The second phase of "Gulf Stream '60" was confined to the western half of the region surveyed during the first period. After a 3-day stop in Bermuda, the ships began this phase by making bathythermograph sections north from Bermuda to the Gulf Stream along meridians 63°30′, 64°30′, and 65°30′; the *Chain* also obtained continuous records of temperature to a depth of 450 ft with towed thermistors. For the remainder of the period the *Atlantis* followed neutrally buoyant Swallow floats set out directly in the Gulf Stream at depths between 2000 and 4000 m, and made deep stations to bracket the float tracks. In addition she set out several transponding surface buoys which were then located at periodic intervals by airplane. The *Crawford* also set out neutrally buoyant floats in the Stream, but at depths of 400 and 700 m; she followed these for over a hundred miles and ended by making a series of latitudinal bathythermograph sections crossing a cold trough which extended south near the 60th meridian. The *Chain* studied the thermal structure of the surface layer along the northern edge of the current and then mapped the pattern of intense current by using the geomagnetic electrokinetograph (GEK). At the end of 3 weeks the ships again returned to Bermuda for a 3-day rest and conference.

The third phase started with a series of deep stations to relocate certain major features of the current pattern. Then the *Atlantis* and *Crawford* both made deep current observations, while the *Chain*, using the GEK technique developed earlier, followed the surface currents to the eastern end of the region. On 15 June the three ships arrived in Woods Hole, ending the cruise. The transponding surface buoys, however, continued to be located periodically by airplane for several more months, the last observation being made in December 1960.

All of the station data obtained during this study, with the exception of the *Evergreen* data, are presented here in the appendix. The *Evergreen* data are published in the *U.S. Treasury Department-Coast Guard Bulletin* No. 46 Report of the International Ice Patrol Service in the North Atlantic Ocean —Season of 1960—U.S. Government Printing Office, Washington 1961. Profiles showing the distribution of temperature, salinity and oxygen along the sections made during the first phase are also included in the appendix.

Before discussing the results of "Gulf Stream '60", we shall consider some of the background to the present study and the general objectives of the work.

BACKGROUND

The Gulf Stream System is a complex of currents in the western and northern North Atlantic Ocean. The System can be likened to a mountain range, in that the location of the whole seems obvious on a map of sufficiently large scale but the boundaries of the feature become indefinite when viewed in more detail. Just as no particular height contour can be used to show satisfactorily the boundaries of an extensive mountain range, so it is not possible to outline the Gulf Stream System with any particular contour. The System occupies an extensive area on the western and northern edges of the relatively warm, saline, central Atlantic water mass where the main thermocline layer rises toward the sea surface. In some places this rise is abrupt, but in others, it occurs through a series of steps or waves. The principal part of the System lies off the east coast of North America between Florida and Newfoundland. To the east of Newfoundland the System is separated from the continental shelf by the cold, southward flowing Labrador Current. The extent of the whole is only vaguely known. The currents of the Gulf Stream System generally contain a core of water at the surface which is warmer than the surroundings, suggesting a transport from lower latitudes; consequently, the westward flow of relatively warm water south of Iceland (the Irminger Current) and the northward flow off Norway (the Norwegian Current) are considered to be parts of the System. Some of the currents in the central Atlantic flow southward toward the Bay of Biscay and the Azores; these are harder to identify with the System since they may not have the characteristic warm core at the surface. In what follows we shall be concerned only with that portion of the Gulf Stream System that lies to the west of 50° W. longitude, that is, west of the southern tip of the Grand Banks of Newfoundland.

South of Cape Hatteras the System presses against the western boundary of the ocean basin. This boundary is not a vertical wall (cf. Fig. 1), but consists, at the surface, of the shore line, then a shelf roughly 60 miles wide out to the 200 m depth contour, then a broad plateau averaging 800 m in depth (the Blake Plateau), and, finally, a relatively steep slope down to the floor of the basin below 5000 m. Flowing northward on the plateau, close to the shelf, is the strong current sometimes referred to as the Florida Current, but more generally called the Gulf Stream. This current meanders, the amplitude of the meanders being about equal to the width of the Stream (WEBSTER, 1961), and it reaches to the bottom as evidenced by ripple marks and current observations made by PRATT (1962). Little is known of the deep

currents off the edge of the plateau. STOMMEL (1957) hypothesized a deep southward current along this boundary and SWALLOW and WORTHINGTON (1961) observed a southward flow at depths near 2800 m off Charleston, South Carolina (the position of these observations is marked by a short arrow in Fig. 1). This flow has been referred to as a deep countercurrent to the Gulf Stream, although it is not actually beneath the Stream in this area. Its relation to the Gulf Stream and its extent and permanence are matters that remain to be investigated.

Just south of Cape Hatteras, near 34° N. latitude, the Blake Plateau ends and the Gulf Stream flows into deep water. The current continues in essentially a straight (great circle) path; the shelf, approximately denoted by the 200 m contour, turns north at the Cape and the Stream is no longer constrained by this boundary.

North of Cape Hatteras the System is much more complex and in several ways radically different. Over most of the area the ocean basin is bounded on the north rather than the west and there is no shallow plateau between the edge of the shelf and the deep floor of the ocean. In this area the most pronounced current, found where the main thermocline rises most abruptly, is not pressed against the shelf but is located anywhere from 100 to 400 miles away from the 200 m depth contour in water at least 4000 m deep. This current is also called the Gulf Stream but it differs from the one on the Blake Plateau; it is not restricted to a depth of 800 m, it is not constrained by the continental shelf, and its general heading is more nearly east than north. There has been much speculation concerning the depth of this current. Whereas the Stream south of Hatteras is known to extend to the ocean bottom, i.e. to about 800 m, the current to the north has been thought to extend at least twice as deep but by no means to the bottom. Profiles across this current showed horizontal density gradients at great depths, even near the bottom in 5000 m of water, but since it was generally believed that a "level of no motion" existed at relatively shallow depths, 1500 to 2000 m, the deeper water was assumed to be flowing in the opposite direction to the surface current. This idea gained support from STOMMEL's (1957) model of the thermohaline circulation and from the deep current observations of SWALLOW and WORTHINGTON (1961).

North of the principal current of the System the main thermocline again rises abruptly toward the surface. This latter horizontal temperature gradient, or current, is not always present just north of Cape Hatteras but is a permanent and quite pronounced feature to the eastward, south of the Laurentian Channel. It is the author's view that this is the current observed each year by the International Ice Patrol near 41° N., 50 °W., south of the Grand Banks.

During a period of 17 days in June 1950, six ships surveyed the area

between Cape Hatteras and the Grand Banks concentrating on the principal current, the Gulf Stream (FUGLISTER and WORTHINGTON, 1951). This current was shown to meander over a wide area and, during the course of the study a large cyclonic eddy was observed to break off to the south of the current. This survey showed the Gulf Stream crossing the 50th meridian just south of the 39th parallel, with a countercurrent separating it from the secondary current at 41°30′ N.

More recent studies made with single ships failed to trace out the path of the Gulf Stream for very great distances and the author has suggested (FUGLISTER, 1955) that the Gulf Stream may not be a single continuous current between Cape Hatteras and the Grand Banks. Furthermore, since all of these studies were concentrated on the near surface aspects of the Stream, the relationship between the observed current filaments and the environment—especially the deep water movements—was left to conjecture.

"Gulf Stream '60" was planned in order to investigate some of these problems. The grid of deep stations over such a wide area would show the Gulf Stream in relation to all of the surrounding water structure. The area to be studied covers a region where comparatively few deep oceanographic stations have been made: between the Woods Hole–Bermuda line, which has been studied for many years, and the 50th meridian where the annual Ice Patrol surveys take place. The spacing between the planned sections (two degrees of longitude) was determined by the number of ships available and their sea-keeping capabilities. The stations were planned 20 miles apart in the north, over the continental slope, 30 miles apart south to the expected position of the Gulf Stream and then 60 miles apart for the remaining distance to 33° N. This permitted a large coverage with a concentration of observations in the more complicated areas. The study was to continue on after the initial survey for three reasons; deep, direct current observations require considerable ships' time in relatively small areas; some ambiguity in the interpretations of the first set of data might require further observations, especially in the area between sections; and finally a measure of the time rate of change was desired.

THE PATH OF THE GULF STREAM

It would seem that the first and most obvious result of a study such as this would be a chart showing the location of the Gulf Stream. In fact, since the study extended over a period of 2½ months, one might expect to see a chart showing the varying positions of the Stream during that time. Actually it is not possible to prepare such charts unambiguously from the data obtained; the 100 mile spacing between sections in the first phase, the concentration of effort in the west during the second phase, and the scattered character of the

observations in the third phase would require extensive interpolations and extrapolations in drawing these charts, and hence would impose considerable indefiniteness on the results. One very important and unexpected finding, however, simplifies the problem of time variation: every observed change in the position of the current can be accounted for by lateral shifts of the Stream with speeds less than 2.5 miles per day. In fact, there is no evidence that the large meanders changed position by more than the width of the current during the entire 2½ months. Consequently, data obtained at different times have been combined to give a quasi-synoptic picture of the current pattern.

During two different periods the *Chain* attempted to trace the course of the Gulf Stream by using the GEK (VON ARX, 1960). After first crossing the current to determine the position of maximum velocity the ship returned to that point and headed downstream on a course such that the GEK registered no component of velocity normal to the ship's path. During the second period of the study, the current was followed in this manner from the western end of the area—where it had been observed during the first period—to 41°46′ N., 61°09′ W., then south to 36°07′ N., 60°56′ W.; during the third phase it was followed from 40° N., 60° W. to 39°15′ N., 49°31′ W. On various occasions the current velocities diminished to such an extent that the ship had to be maneuvered to relocate the maximum current; therefore the path of the Stream was not obtained as a simple smooth curve. A summary of all the surface current vectors obtained with the GEK during the second and third phases is given in Fig. 3. Also shown are the observed positions and probable paths of four of the transponding surface buoys.

To illustrate the gross features of the current pattern that prevailed during "Gulf Stream '60", two other charts are presented: the depth of the 10° isotherm (which represents the mean depth of the thermocline) is shown in Fig. 4, and the temperature at a depth of 200 m in Fig. 5. The 200 m temperature chart is plotted from data obtained on the first phase of the study only, although, as will be discussed below, data obtained later were considered in interpolating between sections. The chart showing the depth of the 10° isotherm, on the other hand, is based on all station data taken during the study. The current in the figures is indicated by the close spacing of the isopleths, although the maximum surface current is located on the warm side of the abrupt temperature gradient at 200 m.

The pattern of the major current is fairly obvious from these illustrations: a very slightly meandering current extends about 300 miles from the western boundary of the area in a direction a little north of east; then the current turns abruptly northward and forms a large loop, centred around 61°30′ W. longitude; subsequently, the current heads due south for a distance of over 200 miles, at approximately 60°30′ W., to form, what the participants in the

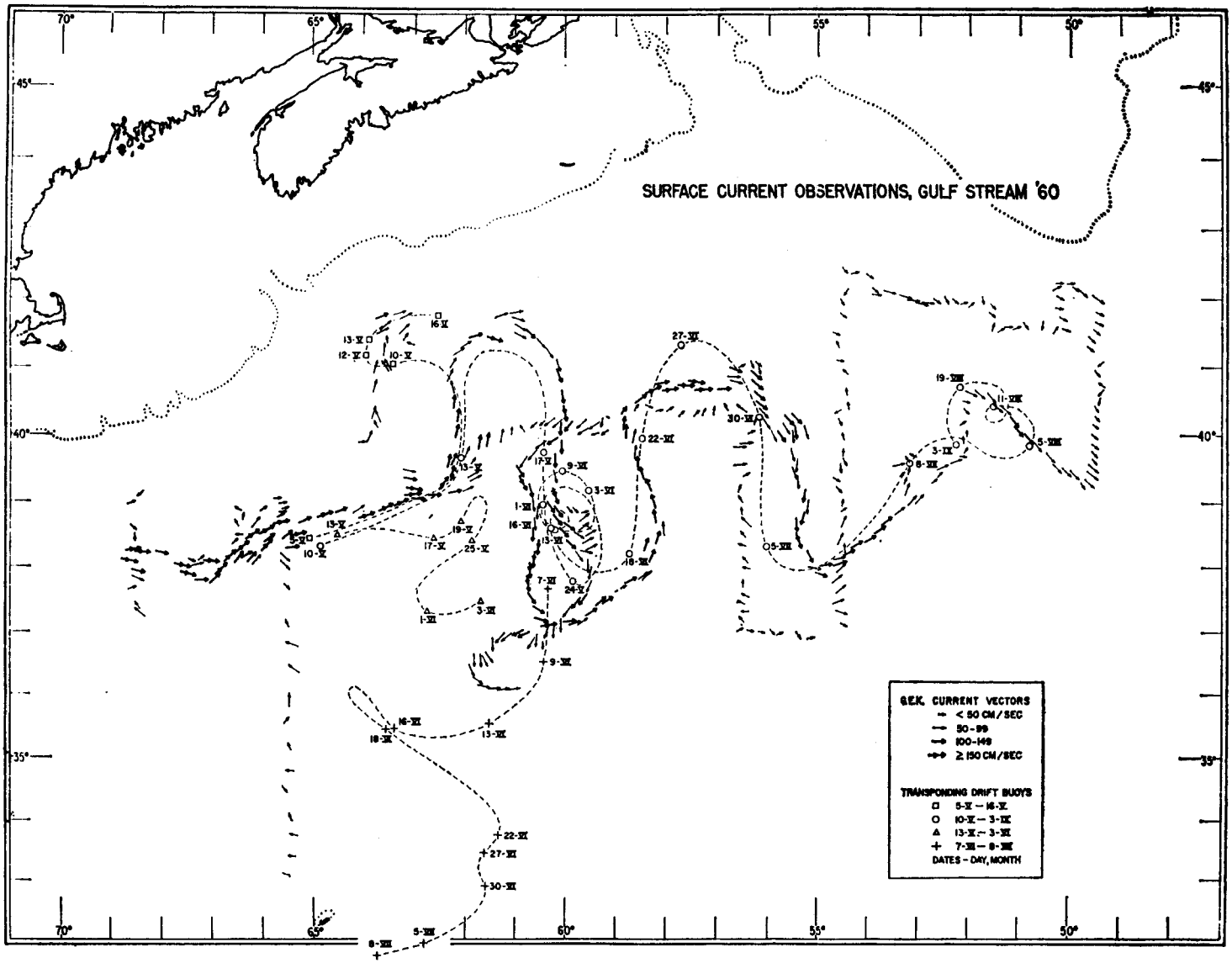


FIG. 3. Surface current observations "Gulf Stream '60".

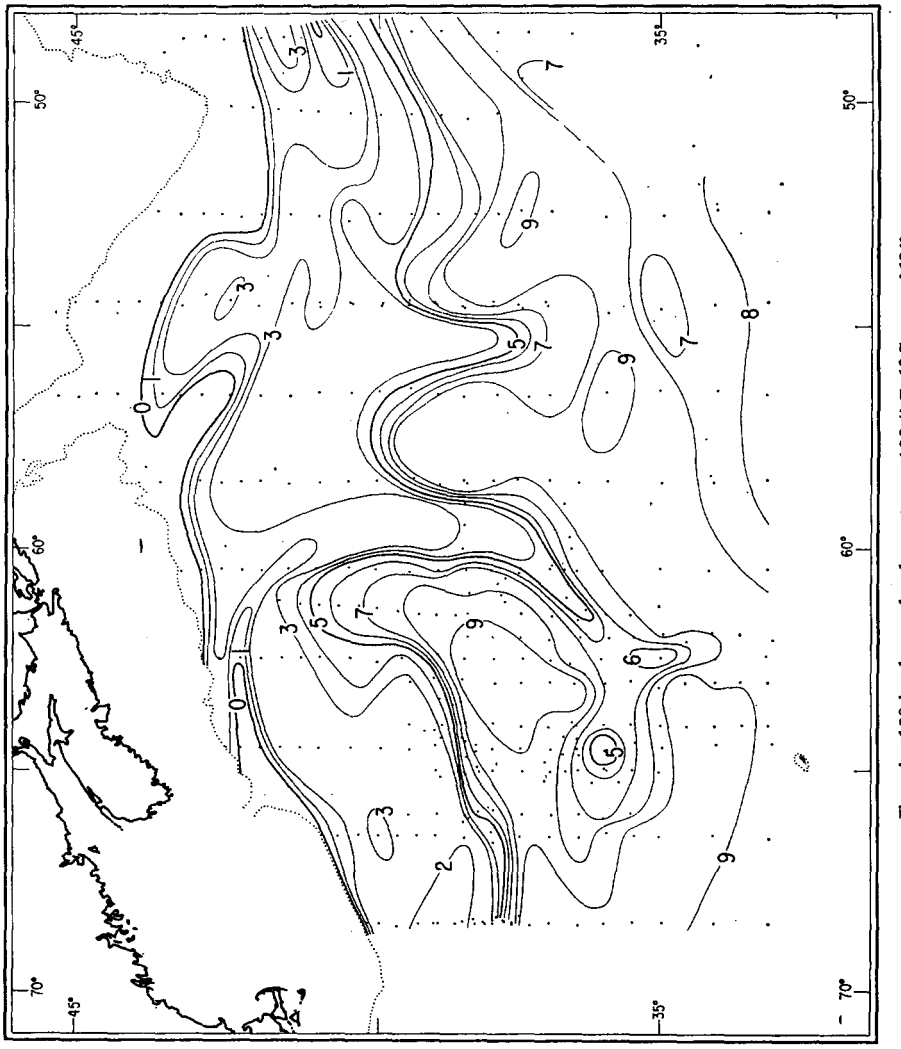


FIG. 4. 10° isotherm depth, meters × 100 "Gulf Stream '60".

study familiarly called, the "sock". Up to this point there can be little doubt concerning the interpretation of the data. Besides the GEK observations already mentioned, the *Chain* made detailed temperature measurements in the western area to a depth of approximately 450ft with towed thermistors (RICHARDSON, 1958). They showed a banded structure parallel to the Stream which is undoubtedly associated with the streaky, "discontinuous edge" of the Stream as observed from the air (VON ARX *et al.*, 1955). Nevertheless, the positional changes of the Stream, observed time and again over the 2½ months, were much too small—little more than the width of the current—to affect the general picture.

Some question arises, however, concerning the southern portion of the "sock". There is no question but that a cyclonic eddy formed at its "toe" and moved in a northerly direction, but it is not apparent at what point the eddy separated from the main current. Furthermore, since the thermocline observations, the near surface temperatures, and the surface velocities give different impressions of the "sock", we might ask to what extent we should expect them to do so. When an eddy forms to the south of the Stream, as observed in 1950 on the multiple ship survey, and, no doubt, again in 1960, the separation must first occur in the surface layer; hence what may appear at the surface to be a discrete eddy could correspond at depth to part of a continuous trough, as illustrated by the different current paths in Figs. 4 and 5.

At the beginning of the second phase of "Gulf Stream '60" the three W.H.O.I. ships made temperature measurements to a depth of 250 m north from Bermuda along meridians 63°30′ W., 64°30′ W. and 65°30′W. in order to examine in more detail the southwestern extension of the "sock". Only the *Atlantis*, on 63°30′ W., observed the cold water associated with the "sock"; it found the coldest water, of temperature 12.6° C at 200 m, at 36° N. latitude. Although the *Chain* traversed the same meridian (64°30′ W.) that the *Atlantis* had occupied a week earlier (see section III) it found no indication of relatively cold water at any point between Bermuda and the Stream near 39° N. Similarly, the *Crawford* found no cold water in the surface layer along 65° 30′ W.

Thus the striking "cold water eddy", which appeared around station 5922 of the *Atlantis* on 24 April (see section III), had either moved or become filled in with warm water in the surface layer by 2 May. One month later, however, during the third phase, this eddy was observed with its center at 36°50′ N., 64°30′ W. On this third occasion numerous stations and bathythermograph observations were made in and around the eddy; the temperature of the water at 200 m was as low as 13.0° C, and the 10° isotherm was observed to lie only 445 m below the surface. Undoubtedly this eddy was moving slowly toward the north along an anticyclonic curve. Observations

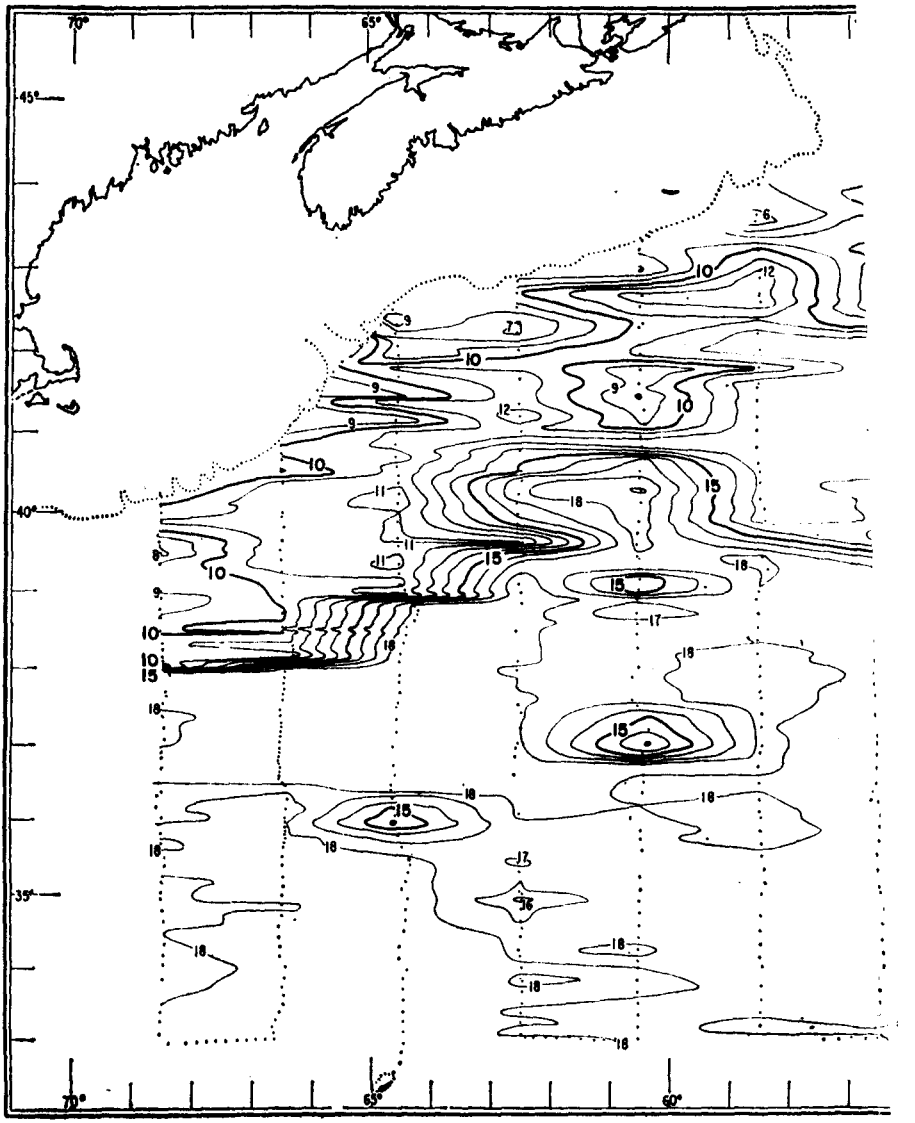
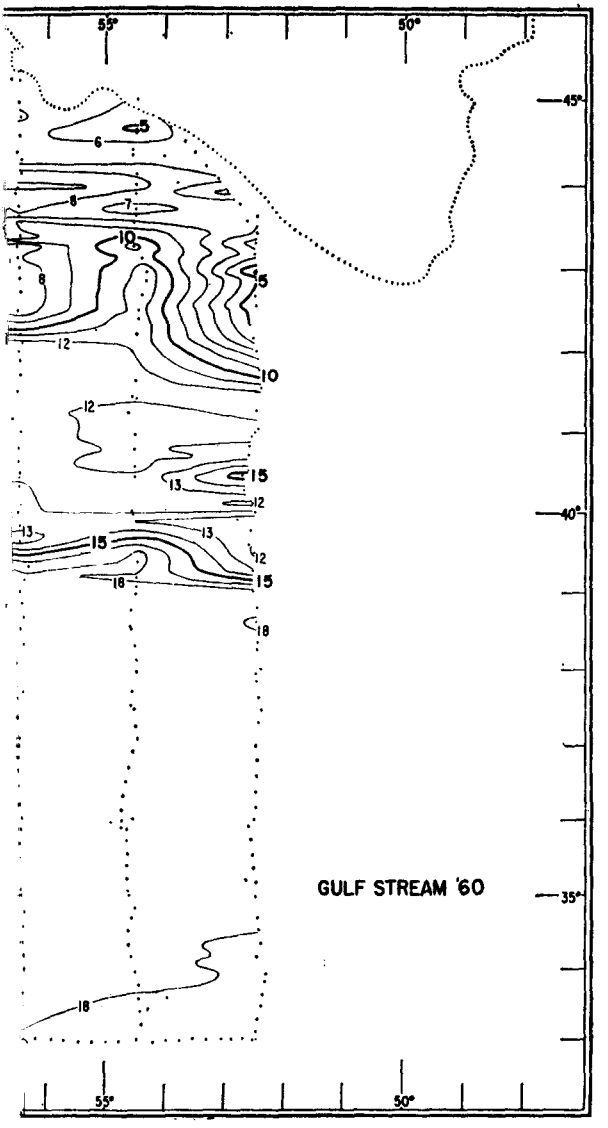


FIG. 6. A linear interpretation, 200 m ter



mperature.

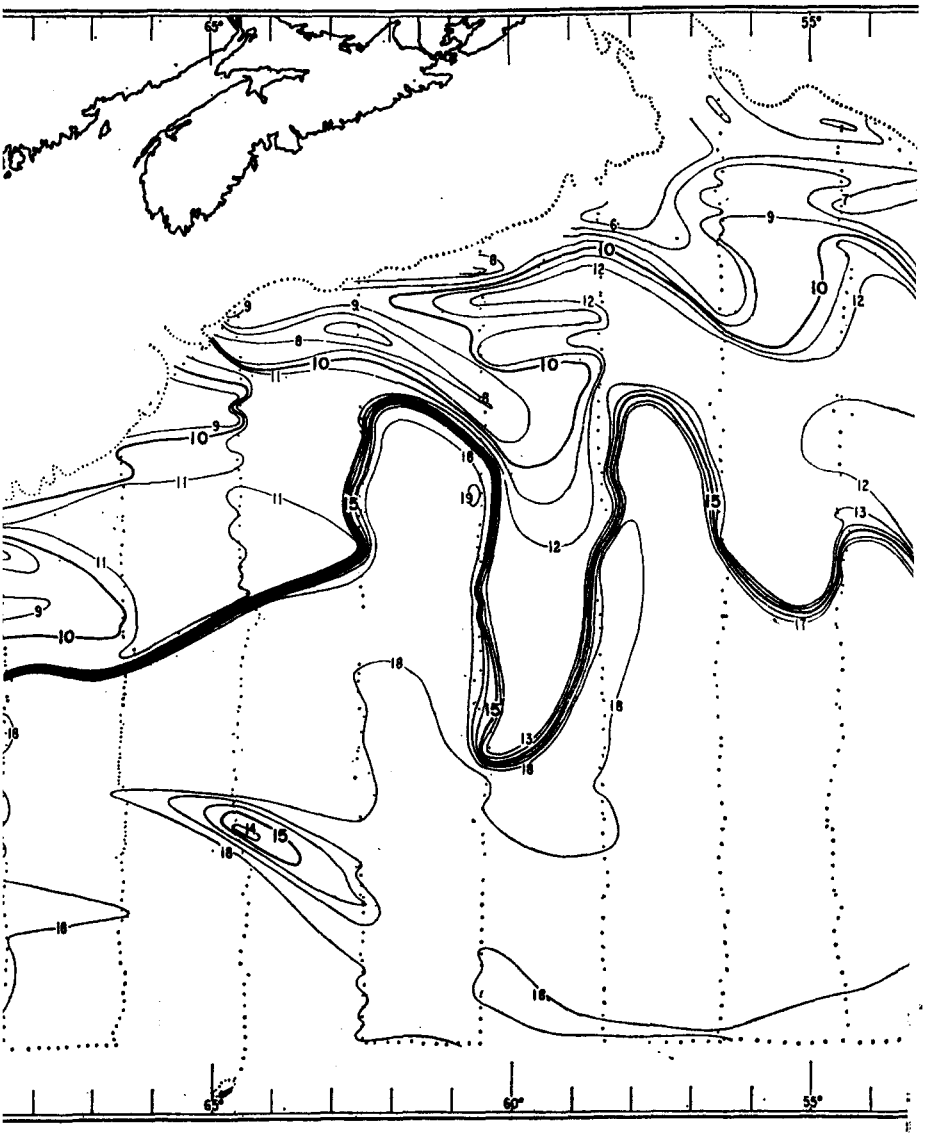
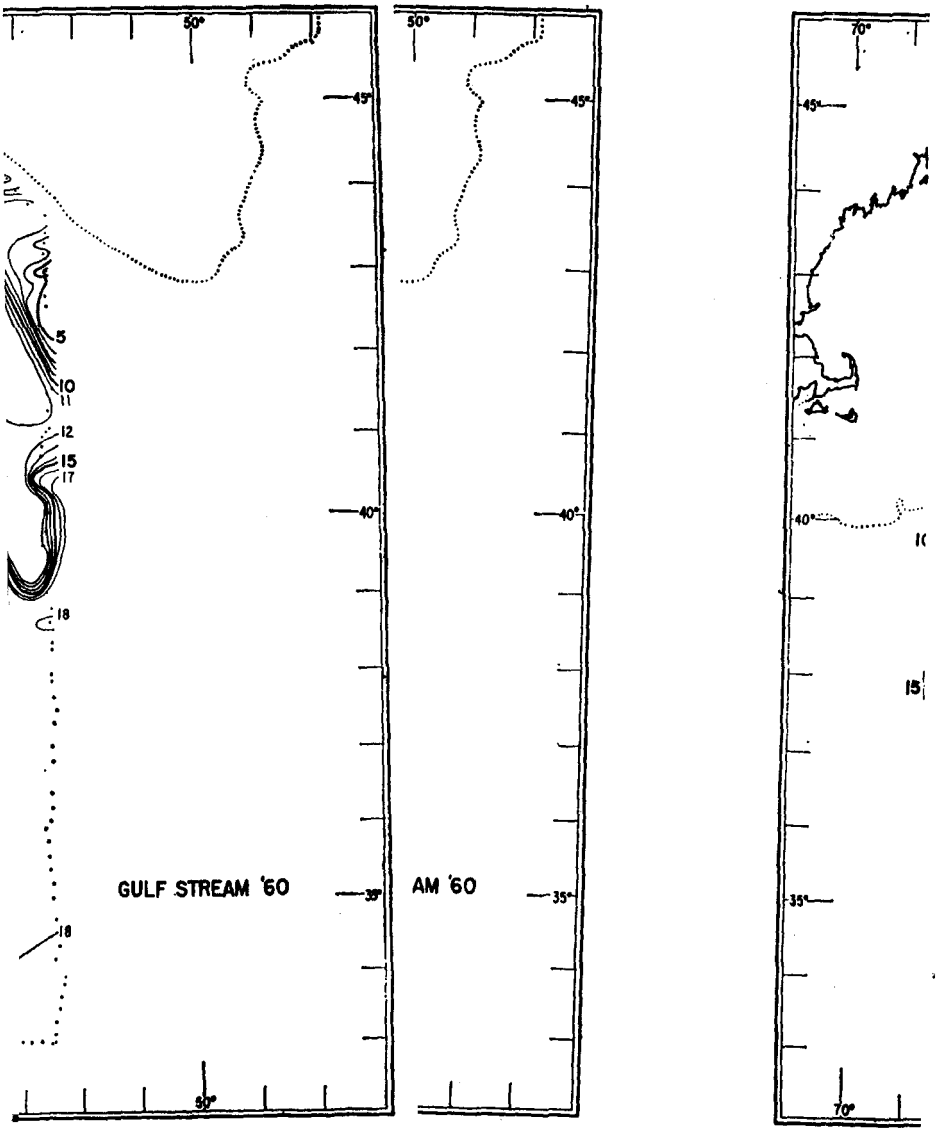


FIG. 5. A nonlinear interpretation, 200m temperature.


50°
45°
40°
35°
30°
5
10
11
12
15
17
18
18
GULF STREAM '60
AM '60
70°
45°
40°
35°
70°

made to the east give no indication that more than one eddy could have been involved.

The surface current observations made with the GEK during the second phase did not show a clear-cut end to the "sock". Four different filaments of the current were followed but each time that the southerly current curved toward the east it also diminished in strength so that the southwestern end end of the "sock" appeared to be made up of a series of overlapping semi-circles. Another indication of the complexity of the surface currents in this area is given by the observed positions of one of the transponding buoys that was followed by aircraft. This buoy, designated by a circle in Fig. 3, was located at seven different times over a period of a month apparently circling in the area before it moved again downstream.

The positions at which this buoy was later observed are most suggestive. These locations show long north–south migrations similar to the path of the Stream as inferred from the GEK observations made during the third phase of "Gulf Stream '60". Of course, the dashed line connecting the various observed positions of the buoy is purely speculative, yet the similarity of the meander patterns could not be pure coincidence. If the line does in fact represent the path of the Gulf Stream, then it not only confirms the meander pattern as shown in Fig. 4 and 5, but shows as well that this pattern was relatively stationary over a considerable period of time.

Before leaving this description of the path of the Gulf Stream two more points must be made. First, if there were no data available other than those obtained during the first phase of the study, no significant meanders would have been shown in the region to the east of the "sock". All sections in this area crossed the principal current at approximately the same latitude, that is, near 39°30′ N. As an extreme example of a purely mechanical, linear interpretation of the data from the first phase of "Gulf Stream '60", the 200 m temperature field was contoured as shown in Fig. 6, by interpolating linearly along parallels of latitude. It is hardly necessary to point out that in the western area this interpretation imparts a false step-like structure to the current which was refuted by the subsequent, more detailed studies. In the east, however, this interpretation, which shows the current to flow almost due east, appears to be entirely reasonable. If such were actually true, then enormous changes would be required in the current pattern between the first and the last phases of the study. Thus, when a portion of the eighth section of stations, at 54°30′ W., was repeated during the last phase, the current was located approximately 100 miles south of its previous position. This change can be accounted for by a small west to east translation of a meander located near 55° W., but the current pattern shown in Fig. 6 would require a major shift in the Stream and the displacement of improbably large amounts of water.

The second point to be mentioned is that the various measurements and interpretations do not quite fit together to give a clear picture of the current pattern at the eastern end of the area: the surface velocity vectors certainly do not show a well-defined current, and the temperatures are subject to a variety of interpretations. The transponding buoy, moreover, moved in a completely erratic fashion.

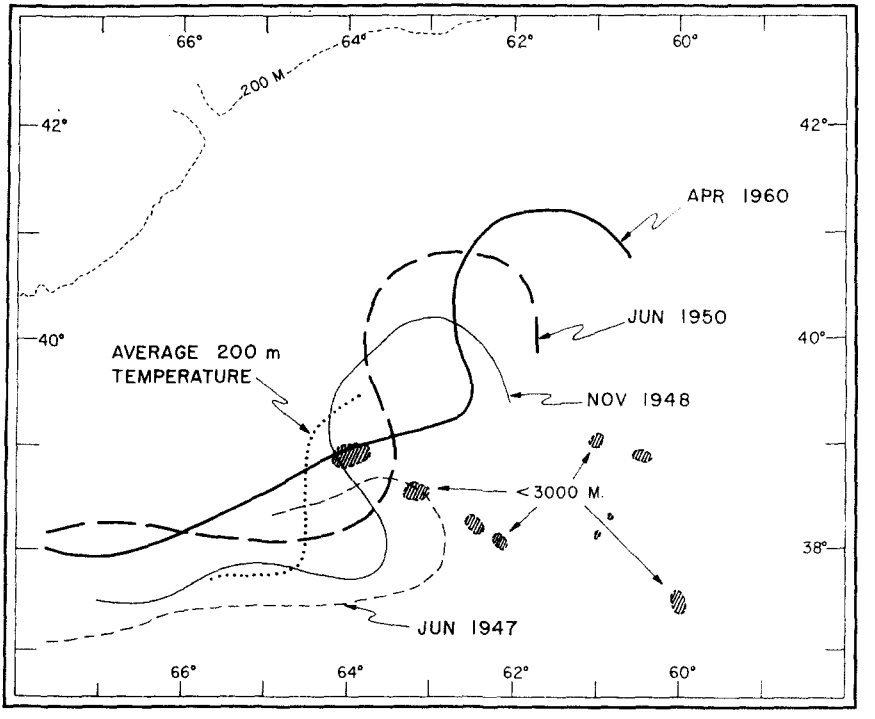


FIG. 7. Positions of the abrupt change in direction of the Gulf Stream.

From a review of various cruises on which the path of the Gulf Stream has been plotted, it appears that meanders do not suggest a series of waves gradually increasing in amplitude from west to east, but rather, a quasi-stationary pattern with an abrupt change, near 62° W., from small amplitude to very large amplitude waves. From Cape Hatteras north and east to approximately the longitude of Bermuda, the meander pattern of the Stream is relatively gentle; then at this longitude the Stream turns abruptly to the north, forming a large loop. Some of these observed Stream paths are shown in Fig. 7 together with the position where the sharp gradient in the average

200 m temperature also takes an abrupt turn toward the north. It seems apparent that this sudden change in the pattern of meanders is a permanent feature of the Gulf Stream.

DIRECT SUBSURFACE CURRENT MEASUREMENTS

The plans for the second phase of "Gulf Stream '60" called for deep current observations with Swallow floats directly in the Gulf Stream. These floats (SWALLOW, 1955, 1957) are ballasted to float at a predetermined depth, and are equipped with sound transmitters in order that they can be tracked by ship. Loran A navigation was available for determining their positions. The *Atlantis* proceeded to a position due north of Bermuda near 39° N. latitude, where the Gulf Stream had previously been observed, and set out floats for depths of 3000 and 4000 m, while the *Crawford* proceeded to the western extreme of the area and set floats at depths of 400 and 700 m. These positions were chosen because the currents at these points appeared well defined, and, if a deep countercurrent were found, the two ships would remain within the area and approach each other. It was not assumed, when the floats were set out, that the Stream was in exactly the same position as during the first phase; for each float new hydrographic stations were made and the float so placed as to lie in the zone of most pronounced horizontal temperature gradient at its intended depth.

The *Crawford*, after relocating the Stream at 37°49′ N., 68°22′ W., set a float at a depth of 700 m in the axis of the current. This first float was followed for 105 miles over 64 hr; its average speed was 105 cm/sec for the first 48 hr, but dropped rapidly to approximately 60 cm/sec for the remaining time. Another float was set at a depth of 400 m and followed for 48 hr; its speed remained nearly constant at 50 cm/sec. The positions of these floats relative to the thermal structure indicate that the shallower float was not in the axis of maximum current. Farther to the east, at 38°41′ N., 63°22′ W., a third float was set out at a depth of 700 m, and was followed for 92 hr over a distance of 95 miles. It started moving east at approximately 90 cm/sec, but then turned northward, with a gradual reduction in speed to about 45 cm/sec. The northward curvature in path was not so abrupt as that shown by the 200 m temperature gradient in Fig. 5, but corresponded instead more nearly with the 700 m contour of the 10° isothermal surface as plotted in Fig. 4.

The results of the direct current measurements made by the *Atlantis* are shown in Fig. 8. These are the first deep (below 2000 m) current measurements made by this method in the Gulf Stream north of Cape Hatteras. As noted above, the floats were ballasted to be neutrally buoyant at depths of 3000 and 4000 m. Their actual depths, however, were calculated by triangulation on the floats, as described by SWALLOW (*op. cit.*), although, since

no anchored buoys could be set in the current to aid in precise navigation, these depths could not be determined very accurately; the average calculated depth for each float is shown in the figure.

There can be no doubt of the importance of these measurements. In spite of the uncertainties of the depth calculations, there is no question but that

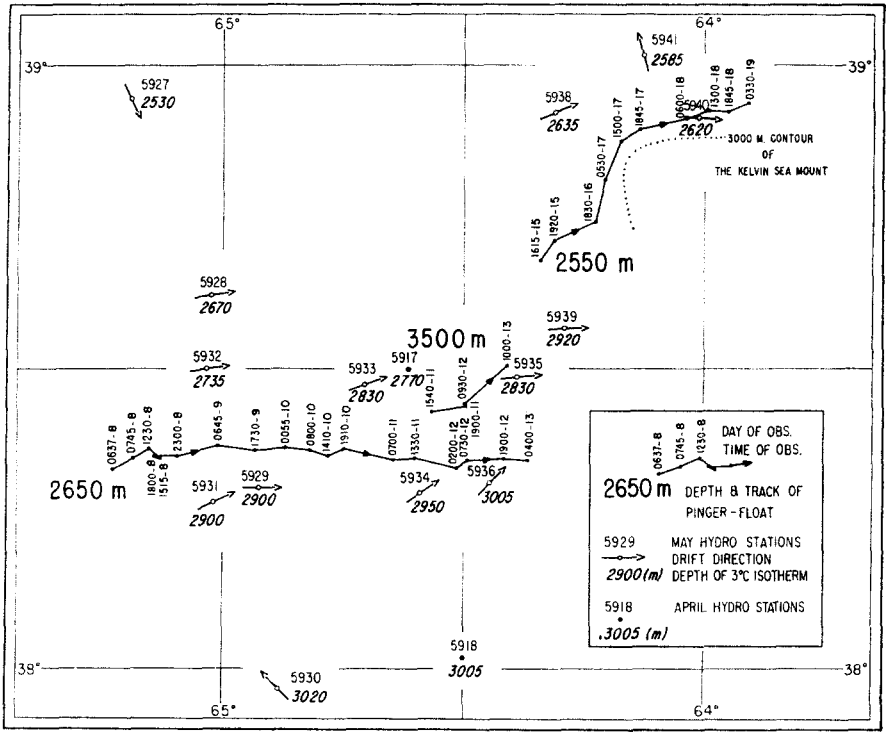


FIG. 8. *Atlantis* track of pinger-floats and station positions, May 1960.

the floats were at depths well below 2000 m, that they were in the Gulf Stream and that over a period of 11 days the deep flow was essentially in the same direction as the flow at the surface and at a depth of 700 m. The first float, at a calculated depth of 2650 m, was tracked for 116 hr at an average speed of 17 cm/sec. The second float, at 3500 m, moved at 11 cm/sec for 42 hr. The third float, at a calculated depth of 2550 m, was the most interesting: it was followed for 83 hr at an average speed of 16 cm/sec; it headed toward Kelvin Sea Mount and then curved around to the north, obviously deflected by this obstacle. A segment of the 3000 m depth contour of this sea

mount is shown in Fig. 8 for comparison with the float track. All these direct current measurements of the *Atlantis* and *Crawford* (summarized in Table 1) showed the subsurface currents in the Gulf Stream to be essentially in the same direction as the surface flow.

TABLE 1. DIRECT CURRENT OBSERVATIONS: "GULF STREAM '60"

No.	Intended depth	Cal. depth	Date 1st fix	Date last fix	Elapsed hours	Position 1st fix	Position last fix	Dist. miles	Direction	Speed cm/sec
Atlantis										
1	3000	2650	0745 8 May	0400 13 May	116.2	38°21'N. 65°11'W	38°21'N. 64°22'W.	39	090°	17.2
2*	4000	3500	1540 11 May	1000 13 May	42.3	38°25'N. 64°34'W.	38°30'N. 64°25'W.	9	058°	11.0
3*	3000	2550	1615 15 May	0330 19 May	83.2	38°41'N. 64°20'W.	38°56'N. 63°55'W.	26	053°	16.1
4	4000	3580	0600 3 June	0640 6 June	72.0	37°57'N. 61°03'W.	37°52'N. 60°32'W.	25	102°	17.7
5*	3000	—	0950 7 June	1300 7 June	3.2	37°42'N. 60°29'W.	37°39'N. 60°26'W.	—	—	—
6	3000	—	2045 9 June	1530 11 June	42.8	36°44'N. 59°46'W.	36°42'N. 59°57'W.	10	255°	12.0
Crawford										
7*	700	—	0920 5 May	0118 8 May	64.0	37°49'N. 68°22'W.	38°14'N. 66°23'W.	105	100° 035°	105.0 60.0
8*	400	—	0910 10 May	0911 12 May	48.0	38°05'N. 68°24'W.	37°49'N. 67°28'W.	47	090° 115°	51.0 51.0
9*	700	—	1300 13 May	1100 17 May	92.0	38°41'N. 63°22'W.	39°15'N. 61°30'W.	95	085° 060°	90.0 45.0
10	3000	2480	1748 2 June	1025 10 June	184.5	37°15'N. 65°01'W.	36°42'N. 64°46'W.	35	160°	10.0
11*	3000	4530	1015 4 June	1400 10 June	147.8	36°46'N. 64°28'W.	— —	—	—	—
12	3000	2160	0615 7 June	1655 7 June	10.7	36°44'N. 64°37'W.	36°42'N. 64°35'W.	3	120°	14.0
13	3000	—	0550 9 June	1740 10 June	35.8	36°32'N. 64°08'W.	36°35'N. 64°08'W.	3	360°	4.0
14	3000	—	1500 11 June	2015 12 June	29.2	36°03'N. 65°05'W.	35°52'N. 65°04'W.	11.5	175°	20.0

For the longer runs 7, 8 and 9 the mean direction and speed during both the first and last parts of the runs are shown.

Notes:

2* Slight cyclonic curvature

3* Anticyclonic curvature (radius 10 miles) around northwest side of Kelvin Sea Mount. Velocity increased to about 20 cm/sec while near sea mount.

5* Too short a time for estimate of current

7* Rapid speed decrease after 48 hr cyclonic curvature.

8* Slight anticyclonic curvature

9* Gradual decreasing speed with cyclonic curvature

11* Slight random movements recorded but this float was probably grounded.

During the third phase of the study the *Crawford* located the "cold water eddy" now centered near 36° N., 65° W., and placed six floats in its neighborhood, while the *Atlantis* put three floats in the southwestern part of the "sock" (cf. Table 1). The results of these measurements were not so conclusive as those from the second phase, principally because in both cases the

thermohaline structure was not as clearly defined as in the earlier studies. Nevertheless the deep currents appeared to behave in the same manner as before in relation to the deep temperature structure, i.e. they moved in such a direction that the warmer water was to the right of the direction of flow. Bad weather and malfunctioning of some floats also hampered these programs.

Although no direct current measurements were obtained near the bottom in the Gulf Stream, the measurements actually made indicate that in this area, where the Gulf Stream flows in deep water with cross-stream density gradients at all depths, the current had essentially the same direction from surface to bottom, at least at the positions and times of the float observations. The dynamic computations, which will be discussed later, indicate that the velocity of the bottom water was of the order of 10 cm/sec.

THE PROFILES OF TEMPERATURE, SALINITY AND OXYGEN

We shall now consider in some detail the unique series of profiles made during the first phase of "Gulf Stream '60". This is the first time that a series of such sections has been made crossing not only the Gulf Stream but also a considerable area on either side of the Stream. In general, samples were taken to within a few meters of the bottom, although there were several occasions when, because of strong currents, the deepest observations were several hundred meters above the bottom. Dots on the profiles show the positions where samples were obtained. At each station the value for the deepest sample is given, with, in addition, mid-depth values on the salinity and oxygen profiles to indicate positions of relative maxima and minima. Because of crowding, the extreme values that occured in the upper layers are not always noted. The profiles are constructed so that 250 m on the depth scale corresponds to 100 km on the horizontal scale: a vertical exaggeration of 400 to 1. In the temperature profiles, bathythermograph data are included in the upper 250 m; the positions of these observations are shown at the tops of the profiles.

All the sections have, of course, certain features in common. The main thermocline is centered at a depth of about 300 m north of the Gulf Stream and at 800 m in the Sargasso Sea; the halocline follows the same pattern but is centered approximately 100 m shallower; the oxygen minimum layer is centered at about the mean depth of the thermocline. Below the thermocline the temperature continues to decrease with depth except near the bottom where occasionally a slight increase occurs; the salinity also decreases gradually beneath the halocline, but at mid-depths there are numerous slight inversions; similarly there appear to be various maxima and minima in the mid-depth oxygen values, but in the southeast a consistent minimum appears

at the bottom. Some caution is required in interpreting the oxygen profiles. Although the three ships used the same method (Winkler titration) for measuring oxygen concentration, certain slight differences in results were noted that do not appear to be associated with the positions the ships occupied: the oxygen values obtained by the *Crawford* were generally slightly higher, and those by the *Chain*, slightly lower, than those obtained by the *Atlantis* (cf. Fig. 9). These differences, which average less than 0.1 ml/l, are not evident in the profiles. A difficulty that occured on the *Crawford*, however, does affect the profiles for sections IV, V and VI. A number of titrations of samples taken in the upper 1500 m were performed by an inexperienced

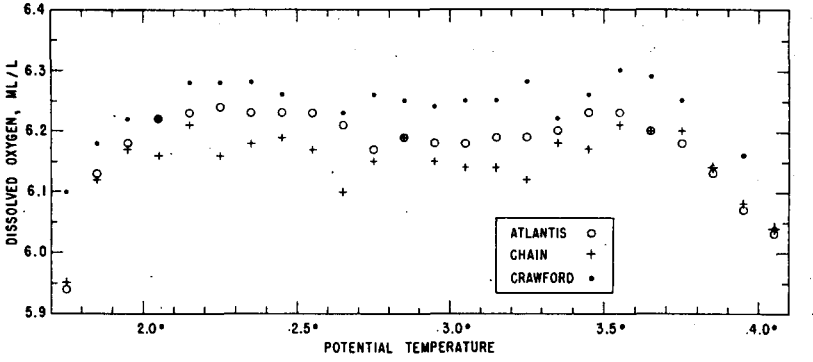


FIG. 9. Average oxygen for 0.1°C increments of potential temperature, first phase of "Gulf Stream '60".

observer who did not take sufficient pains with his work; unfortunately, his carelessness was not discovered until too late to repeat the titrations. Since the suspect data could not easily be identified as erroneous, they were employed in constructing the profiles; some of the features in these three sections, e.g. the relatively low oxygen in the surface layer at stations 863 and 864 (section VI), must therefore be considered doubtful.

In spite of the scatter and slight persistent differences of the oxygen values from the three ships, the average oxygen values for the deep water shown in Fig. 9 indicate that two maxima exist, one at potential temperature 3.5° C and the other at about 2.2° C. These maxima are too slight to show clearly on the oxygen profiles.

The southern parts of all sections show a relatively homogeneous surface layer. Considering that the observations were made a full month after the normal time of minimum temperature, they indicate surprisingly little "spring warming" in this layer. Although the water is not strictly isothermal down to the thermocline, the vertical decrease in temperature in many in-

stances is less than 0.5° C down to depths of 300 to 500 m. The temperature of the layer is close to 18° C and its salinity to 36.5 per mille; both quantities are slightly lower in the east than in the west. These data thus clearly delineate the area of formation of the "18° water" (SCHROEDER *et al.*, 1959; WORTHINGTON, 1959) which spreads throughout the Sargasso Sea. Station 197 of the *Chain* made on 26 April at 37°28′ N., 52°25′ W., represents perhaps the most striking example of this "winter mixing", for the ocean there was essentially homogeneous to a depth of 500 m. The water, however, was cooler by about 0.3° C, fresher by 0.02 per mille and had more dissolved oxygen, about 0.3 ml/l., than that in the example presented by WORTHINGTON (*op. cit.*).

The northern parts of the profiles indicate a very different and more complicated structure of the surface layer. Here in the slope water (ISELIN, 1936), the thermocline is relatively shallow, and its mean depth is better indicated by the 7° isotherm than by the 10°. Two eastward gradations in water properties are readily apparent, despite the complexity of the structure: the water next to the continental shelf becomes cooler and fresher while the water next to the Sargasso Sea boundary zone becomes warmer and more saline; a new boundary zone is thus created within the slope water area. Because "Gulf Stream '60" represents the only comprehensive study of this large area, it is difficult to compare these observations with "normal conditions", but, on the basis of relatively scattered data, it appears that in April 1960 this secondary zone was comparatively weak: there was less warm, saline water north of the primary zone than noted in the past. We shall discuss this zone in further detail when considering the associated currents.

The Gulf Stream forms the boundary zone between the Sargasso Sea and the slope water, but unfortunately we are unable to define exactly the limits of the zone. At the surface it contains the warm core of the Stream, which is characteristically fresher than the water at the same level in the Sargasso Sea and has less dissolved oxygen than the water to either side. Furthermore the main thermocline in this zone and, indeed, the isotherms at all depths below the thermocline, slope abruptly up from the Sargasso Sea to the slope water. Although both these features can be used to define roughly the limits of the boundary zone, neither is a completely satisfactory indicator.

Section I is the simplest profile of this series, yet even here the Gulf Stream limits cannot be precisely drawn. Stations 5880, 81 and 82, for instance, are definitely in the boundary zone, which appears to reach from the surface to the bottom, but should the zone be extended to stations 5878 and 5883 on the basis of the continued slope of the isotherms in the water beneath the main thermocline? Also, should the relatively slight disturbance in the thermocline around station 5885 be considered part of the boundary zone?

The temperature profile shows clearly the surface warm core of the Gulf Stream but what is the significance of the smaller core of warm water north of this disturbance? If the warm core defines the width of the zone then the interpretation of section II must be quite different from that of section I. Here the warm core spreads over a much wider area and consequently the "disturbance" in the main thermocline, which again appears here, would be included in the boundary zone. On sections III and IV, the "disturbance" is more pronounced and located farther to the south; thus these sections would each cross the boundary zone, as defined by the sloping thermocline, in three places; on the other hand, only one well-defined warm core appears on the sections. It is unfortunate that the stations were spaced so far apart and that no bathythermograph observations were made around station 825, on section IV, but nevertheless it would seem that no pronounced warm core existed here. Once again the question comes up whether this "disturbance" should be considered as part of the Sargasso Sea boundary zone and the Gulf Stream.

We must recall our previous discussion of the path of the Stream and look again at Fig. 4 in order to answer this question. It is evident from the figure that the "disturbances" on these sections are in fact part of the Gulf Stream but they are parts of a meander in the Stream that is in the process of breaking off to form a separate eddy. The chart also helps to explain the confusing profiles of section V; this section follows roughly along the path of the current, and crosses in and out of it several times.

Section V appears to mark the end of a régime in the system. The pronounced warm core of the Gulf Stream is last seen here. It is as though the Gulf Stream, although continuing on as shown in Fig. 4 and 5, left an accumulation of warm surface water in the northern loop between sections IV and V. Also on this section, for the first time, the disturbances in the main thermocline are not clearly reflected in the deep water. As we shall see later, in the discussion of transports, this section is a unique one separating the western from the eastern sector; from here on to the east the sections show certain different characteristics.

To the east of section V, i.e. east of the "sock", the northern limit of the boundary zone of the Sargasso Sea may be roughly identified with the "outcropping" of the 15° isotherm at the sea surface. There is very little indication of a surface warm core associated with this zone and the salinity and oxygen observations do not always show the characteristic low values. To the north of this zone in the eastern sections, as already noted, the upper layer of water is warmer and more saline than that upstream. In other words, the abrupt gradients of temperature and salinity associated with the Gulf Stream are smaller in this area than to the west of the "sock". The Stream, at least in the upper layer, appears to be "running down".

As mentioned previously, a second abrupt gradient exists to the north in the eastern area. It is roughly identified on these profiles as the zone where the 35 per mille isohaline comes to the surface, and does not appear to be as strongly developed during the time of the present study as it has previously. A more typical condition is depicted in the Atlantic Ocean Atlas (FUGLISTER, 1960) from data taken along 50° W. longitude by the *Atlantis* in 1956. The area between the two zones was wider in 1956 than in 1960 and the relatively warm, saline water extended to much greater depths; consequently, the northernmost current, and the countercurrent separating it from the Gulf Stream were both considerably stronger at that time. In describing the current pattern south of the Grand Banks, SOULE *et al.* (1961) do not use the term "Gulf Stream" at all but refer to both these eastward currents as components of the "Atlantic Current". This term, however, seems much too general to apply to them. Since the more southern current, which crosses the 50th meridian south of 40° N. latitude, lies along the boundary to the Sargasso Sea it should be called the Gulf Stream. It was suggested by FUGLISTER (1951), FUGLISTER and WORTHINGTON (*op. cit.*) and MCLELLAN (1957), and now confirmed by the observations of "Gulf Stream '60", that the more northern of the two currents originates in the slope water area; it seems desirable, therefore, to apply to it the name "Slope Water Current".

WORTHINGTON (1962) feels that it is perhaps dangerous to regard the Slope Water Current as a permanent and separate feature of the circulation because of its low transport in 1960. This suggestion seems surprising when we recall that, aside from the Labrador Current, this current has been observed more often than any other in the North Atlantic. Since 1922 the Ice Patrol has been making studies of the dynamic topography near the Grand Banks and has repeatedly found this eastward current at approximately 41° N., 50° W. These observations do not prove that it is a current separate from the Gulf Stream, but they certainly show that it is permanent. Although only a few studies have been made south of 41° N. at this longitude, each one has shown the Gulf Stream as actually a separate current, located at approximately 39° N. latitude.

The Slope Water Current and the Gulf Stream are both parts of the Gulf Stream System, according to our concept of the System, but the interrelationship between the two currents is not clear.

VELOCITY AND TRANSPORT CALCULATIONS

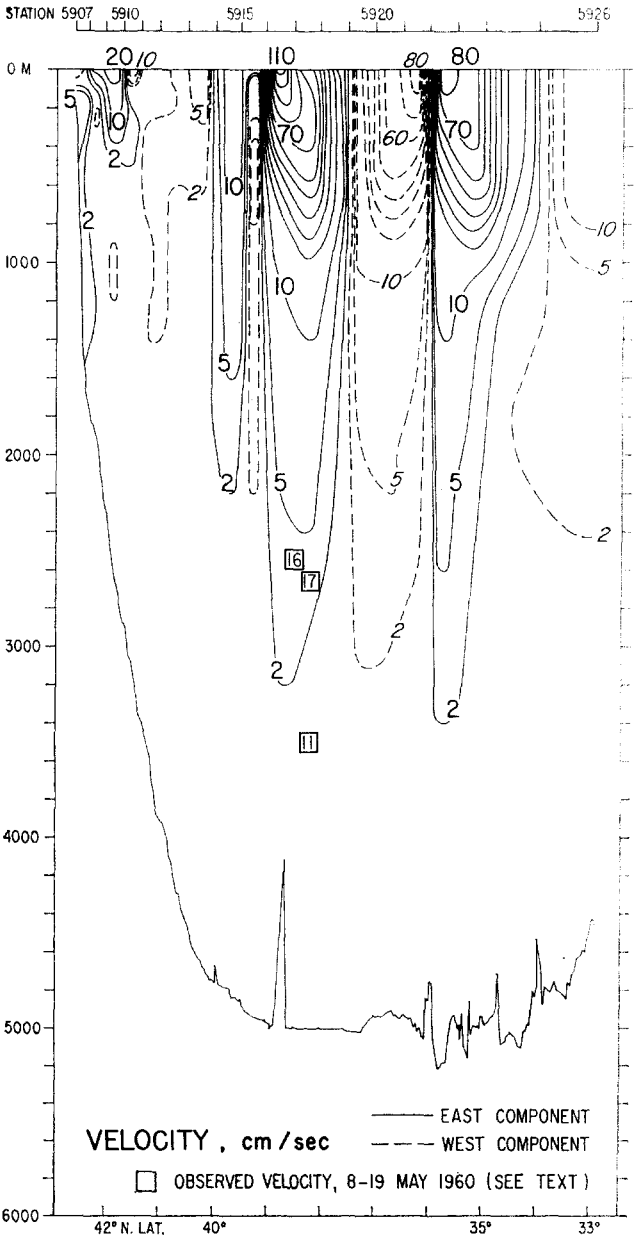
Geostrophic volume transports and velocities have been computed for sections I through IX and for a short west–east section along 38° N. latitude (*Atlantis* stations 5953–5957). The method described by SVERDRUP *et al.* (1942) was used for the computations, under the assumption of zero velocity

at the ocean bottom. An example of the geostrophic velocity distribution is shown in Fig. 10. This profile crosses the area where the deep direct current measurements were made and the averages of the observed velocities are shown in the figure.

The assumption of zero velocity at the bottom leads to transport values for the Gulf Stream that are approximately 30 per cent higher than those calculated by ISELIN (1940), who assumed no motion below 2000 m. On the other hand, if the calculated velocity distribution had been adjusted to the average of the measured deep velocities, then even higher transports would have been obtained, with flow extending to the bottom. Although the direct observations show that the Gulf Stream does probably extend to the bottom they do not give the mean velocity between station positions; therefore, shifting the calculated velocity—depth curve to agree with the observed velocities is not entirely justified. Nevertheless, since the observed velocities in the deep water were approximately 10 cm/sec higher than the calculated values of Fig. 10 it must be obvious that there was a considerable transport of water that the calculations made by assuming zero velocity at the ocean bottom failed to reveal. On the other hand, it is quite possible that this assumption produces too high transport values over some of the area studied, even perhaps between a few of the stations that have been considered to be in the Gulf Stream.

Because of this serious lack of knowledge as to where to place a surface of no motion, no dynamic topography charts have been plotted for the "Gulf Stream '60" data. The following transport values must be considered as relative magnitudes only; they are given here merely to show gross differences in the Gulf Stream System.

As might be expected from even a casual study of the profiles, the highest transport values were obtained on the westernmost section, section I. Here, between stations 5877 and 5883, the volume transport with zero velocity at the ocean bottom comes to 137×10^6 m^3/sec. Assuming no motion below 2000 m the calculated transport drops to 89×10^6, a value similar to those obtained by Iselin. Several disturbing points are raised by these computations, especially if it is supposed that the end-stations define the limits of the Gulf Stream. Although the calculations show transport to the east between all seven stations, 5877 to 5883, the surface layer water, down to 800 m at least, at stations 5878 and 5879 is not Gulf Stream water at all, but slope water. Furthermore, a core of anomalously cold water hugs the bottom slope at approximately 4000 m on this and at least the next three sections, that could be a part of the deep westward-moving undercurrent suggested by Stommel. These two features, combined with direct deep current observations made in this area, just north of the Stream in 1959 and 1960 (VOLKMANN, 1962), and in the Stream itself during "Gulf Stream '60", make it very doubtful that



64° 30' W. LONG. 20-26 APRIL 1960

FIG. 10. Velocity profile of section III.

these transport calculations are correct; these few current measurements suggest that there is flow at the bottom, probably directed toward the west between stations 5877 and 5879 and toward the east between stations 5879 and 5883.

A summary of the transport calculations is given in Table 2. All of these values are based on data from the first phase of the study and show the

TABLE 2. VOLUME TRANSPORTS $\times 10^6$ M^3/SEC: "GULF STREAM '60"

Section	1	2	3	4	5	6	7	8	9	C.G.*
Between latitudes	38°20′ 37°00′	39°01′ 37°00′	39°02′ 37°30′	39°34′ 38°00′	42°20′ 39°28′	41°31′ 38°30′	41°01′ 38°32′	41°00′ 39°02′	40°00′ 37°28′	
to bottom	137	106	88	76	50	80	77	52	82	
to 2000 m	89	66	64	57	33	53	55	37	58	51
total to bottom	69	70	70	69	48	62	62	60	60	
Slope Water Current latitudes						43°19′ 42°00′	42°59′ 41°29′	44°00′ 42°55′	42°20′ 41°30′	
to 2000 m						7	8	2	9	4

* C.G. values from SOULE *et al.*, 1961

transport toward the east. Given in the table for each section are the latitudes of the stations which are considered to bracket the Stream; the transport between them with the bottom as a surface of no horizontal motion; the transport assuming no motion below 2000 m; and the total volume transport for the entire section, from the continental shelf south to 33° N. latitude, again under the assumption of zero velocity at the ocean bottom. For sections VI through IX the transports of the Slope Water Current, based on the 2000 m reference level, are also shown. The two values in the column marked C.G. (section X) are taken from SOULE *et al.*, 1961.

Table 2 does not contain all the calculated Gulf Stream transports. Since the Stream doubled back on itself in going around the "sock", sections III and IV crossed the current more than once. On section III between 36° N. and 37°30′ N. the transport was 79 million m^3/sec. toward the west and, between 34° N. and 36° N., 83 million toward the east. On section IV, the transport was 76 million toward the west between 35° N. and 38° N. and 46 million toward the east between 33° N. and 35° N. These last values suggest that some of the transport of the Stream actually passed to the south of the area and hence possibly explain the low transport obtained for section V. As pointed out earlier the Gulf Stream was flowing almost due south along section V. During phase three the *Atlantis* made a west–east section at 38°30′ N. crossing this part of the current; the transport toward

the south, between 60° W. and 62° W. (stations 5953 and 5957) was 87×10^6 m^3/sec. All the above values are based on the assumption of zero velocity at the bottom.

Despite the uncertain configuration of the surface of no motion, the arbitrary station spacing and the elapsed time between observations, these transport computations are still informative. The Gulf Stream transports in the western part of the area are normal as compared to Iselin's values (1940) and in the east are close to the values obtained by the Coast Guard in 1950 (60 million) and in 1958 (49 million). The net transports across each section suggest a division of the area into two parts, with section V constituting the dividing line; the total transport in the west is consistently about 70 million m^3/sec, but to the east of this section it is consistently about 10 million less, suggesting that the "sock" formed a partial barrier in the system.

As stated earlier, the Slope Water Current appeared to be below normal strength during this period. According to SOULE *et al.* (*op. cit.*) the transport of this current was 29 million in 1950, 13 million in 1958, and only 4 million m^3/sec in 1960. It is important to note, however, that whereas the low 1960 figure is based on observations made in April, the Ice Patrol work done between 18 June and 1 July 1960, 2½ months later, shows a much more pronounced current at 50° W. longitude.

A crude measure of the increase in transport that would be obtained if the observed deep current velocities were used in the computations indicates that the transport of the Gulf Stream on section III would change from 88 to 147×10^6 m^3/sec. If the Gulf Stream does in fact extend to the bottom in this area and transports these huge amounts of water, which are not included by the present method of dynamic computations, then, in order to satisfy continuity, there must also exist deep water movements of considerable magnitude elsewhere in the System.

SUMMARY AND CONCLUSIONS

The evidence from "Gulf Stream '60" indicates that the Gulf Stream reaches to the bottom of the ocean. The meander pattern of the current appears to have a sharp line of demarcation near 65° W. longitude, the longitude of Bermuda, separating the area of relatively small amplitude meanders in the west from the eastern area of much larger north-south meanders. Since a direct deep current measurement showed flow deflected by Kelvin Sea mount, it seems probable that the shapes of these large meanders may be influenced by the various sea mounts in this area. The path of the Gulf Stream changed very little over a period of 10 weeks: all observed changes in position could be accounted for by lateral movements of less than 2.5 miles per day. The large meanders observed thus formed a nearly stationary

wave front along the northern border of the Sargasso Sea. The Slope Water Current was observed but appeared to be a weaker flow than in the past.

Profiles across the Gulf Stream spaced 100 miles apart do not give an unambiguous picture of the pattern of currents. Following the maximum surface currents downstream with the GEK is a rapid method of delineating the current position, although streakiness occurs in the velocity distribution to such an extent that the current is occasionally lost. Where a cyclonic eddy is being formed to the south of the Stream this method of tracing the current may also produce ambiguous results. The possibility exists that the surface currents at these points are quite complicated, and perhaps separated from the deeper flow. A transponding surface float, for instance, was observed to take a month to pass such a location.

The results of "Gulf Stream '60" do not contradict the author's multiple current hypothesis (FUGLISTER, 1951), but the relation of the Slope Water Current to the Gulf Stream and the manner in which it is formed, matters fundamental to the hypothesis, were not clearly determined. These results do show that the extremely complicated Gulf Stream picture shown by the author, Chart 3 (1955), is certainly not a correct interpretation of the data.

It is evident from this study that the volume transport of the Gulf Stream in the area between Cape Hatteras and the Grand Banks is still unknown. The deep current measurements indicate that the transport may be as great as twice the generally accepted values of around 70×10^6 m^3/sec, although many more deep, direct current observations in the Gulf Stream are needed before the actual transport values can be determined.

ACKNOWLEDGEMENTS

First I wish to thank my assistant, Mrs. Eloise Soderland, who did most of the work preparing the material for this paper. She not only took part in the work at sea, but checked all station data, drew the profiles and made many of the computations. This paper would, of course, have been impossible if it were not for the strenuous efforts of a great many members of the staff of the Woods Hole Oceanographic Institution, who carried out the work at sea. With apologies to the many that I do not name I must give special thanks to Mr. L. V. Worthington and Mr. W. G. Metcalf, who carried out the duties of chief scientist during the entire period; Mr. A. R. Miller, who was in charge on the *Atlantis* for the first phase; Mr. J. R. Barrett, Jr., and Mr. Gordon Volkmann for their Swallow-float work; Dr. W. S. von Arx, who contributed so much with the GEK and Mr. D. H. Frantz, Jr., who supervised the tracking of the transponding surface buoys. Finally, I wish to thank Dr. B. A. Warren, who also worked at sea, for reading and criticizing the manuscript.

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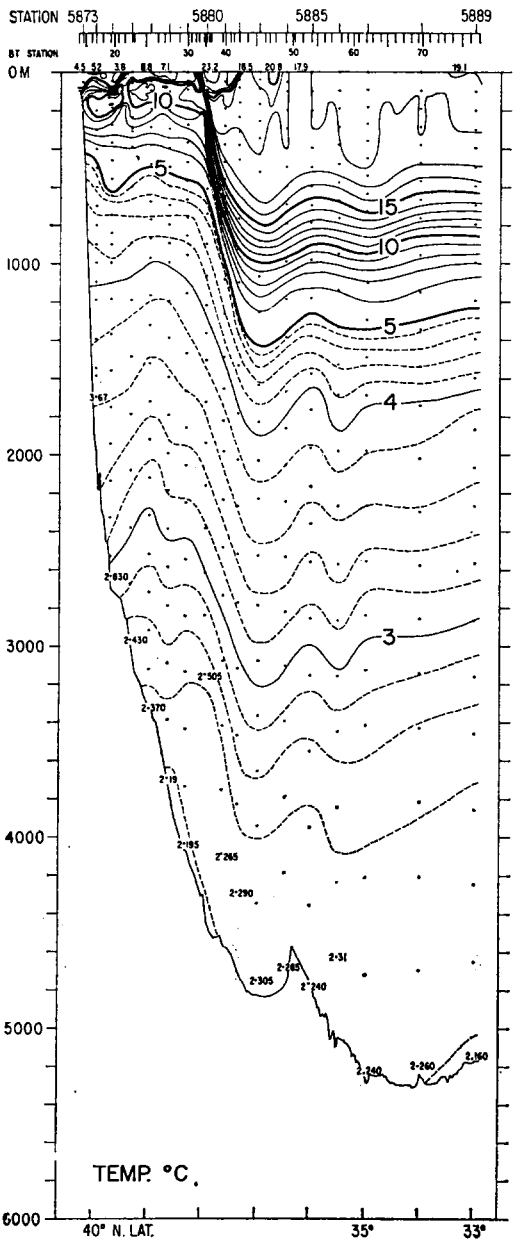

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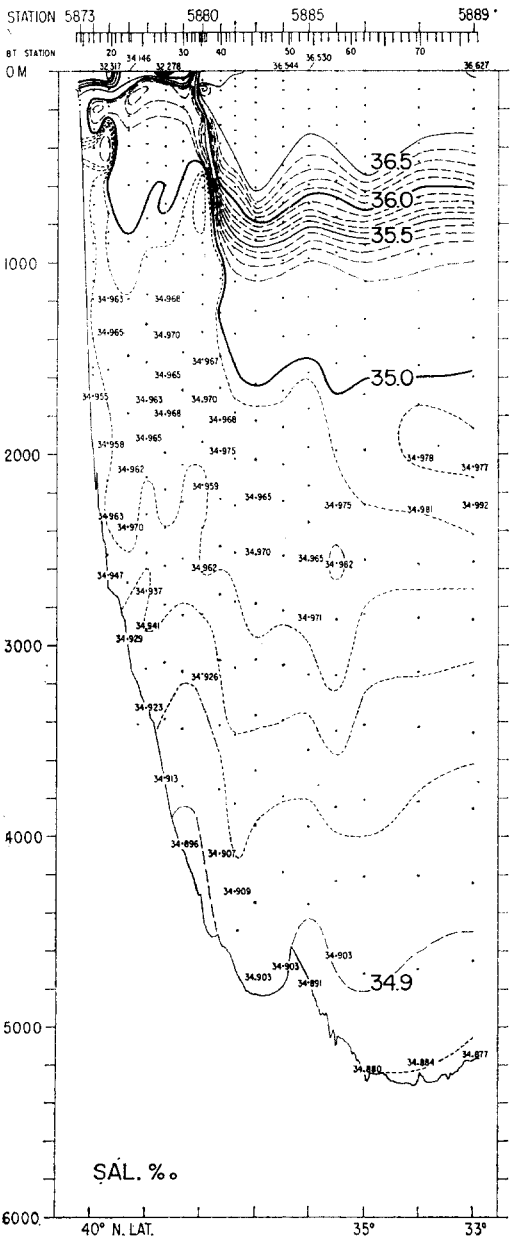

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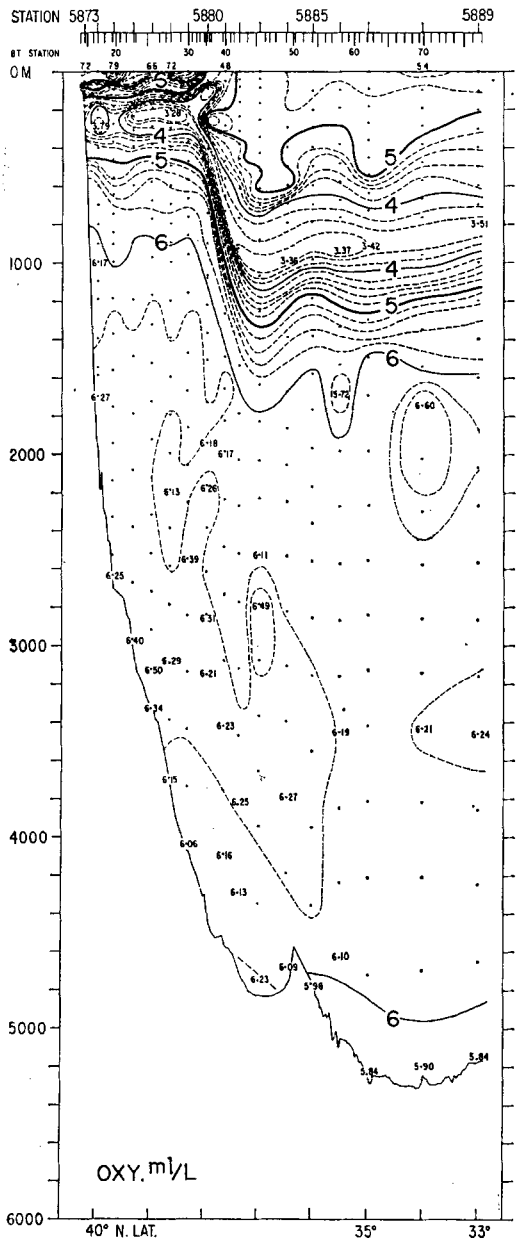

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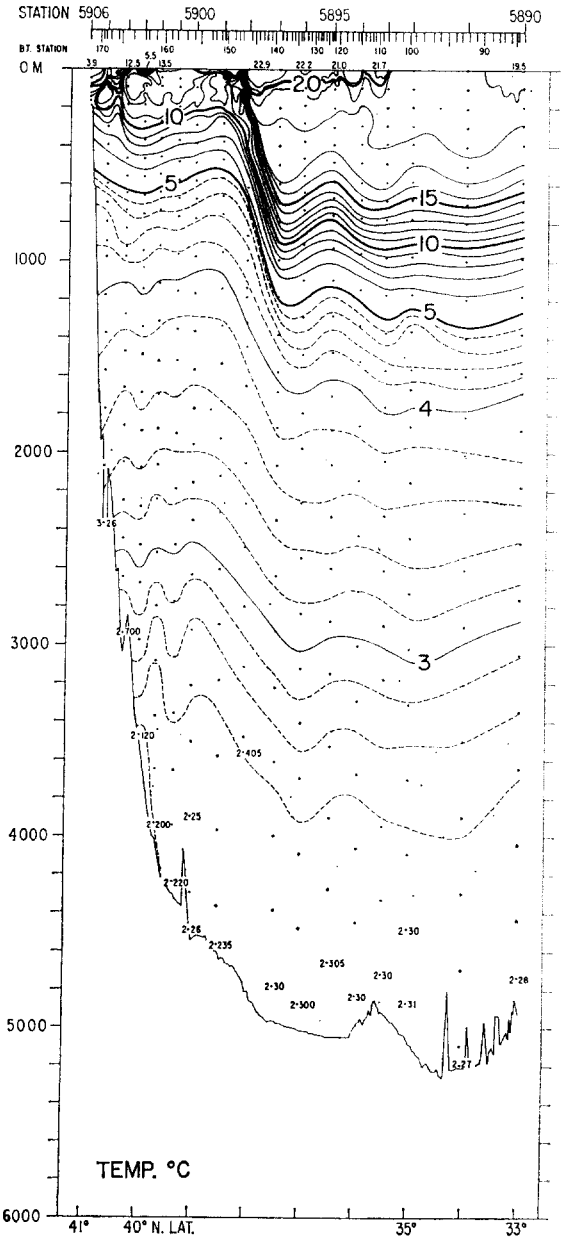

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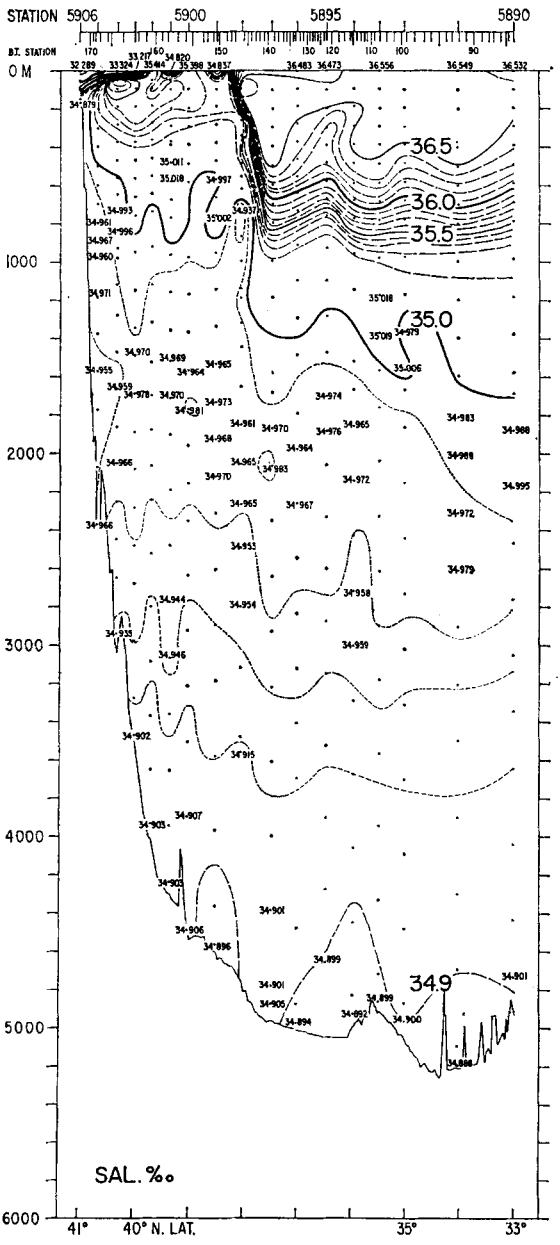
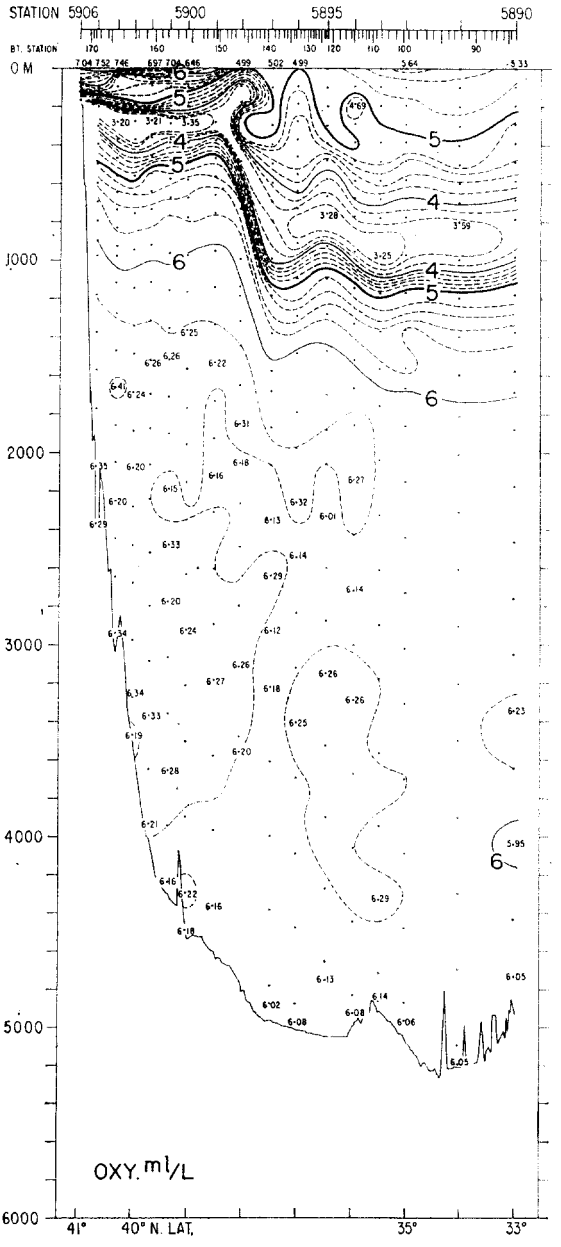
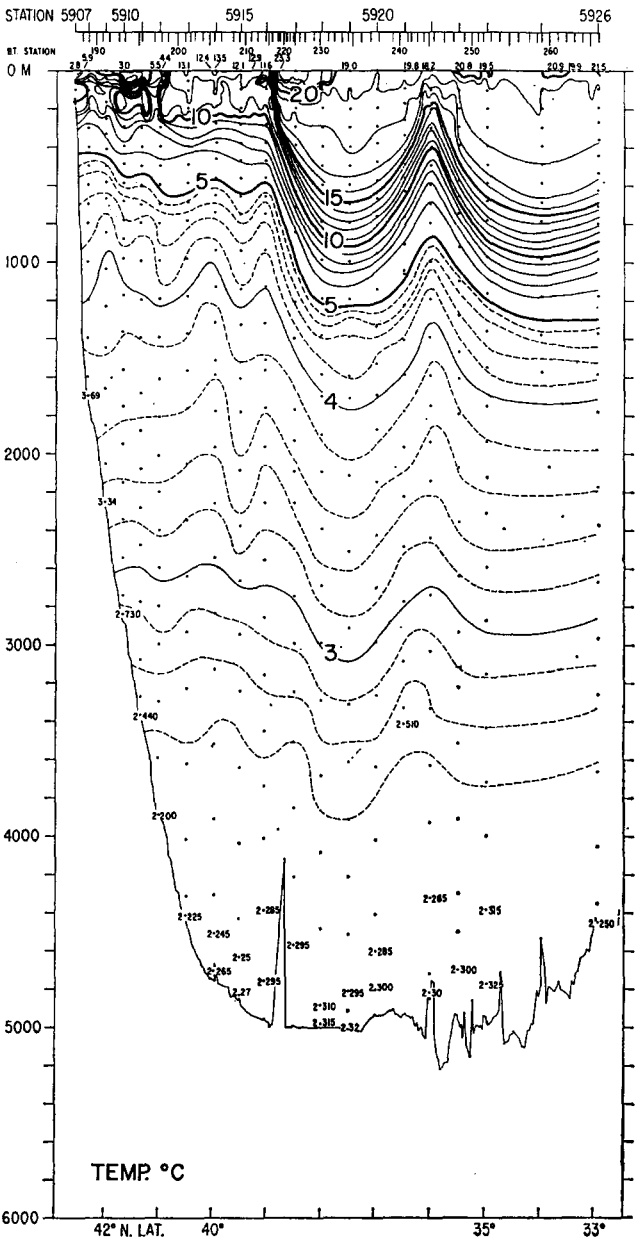


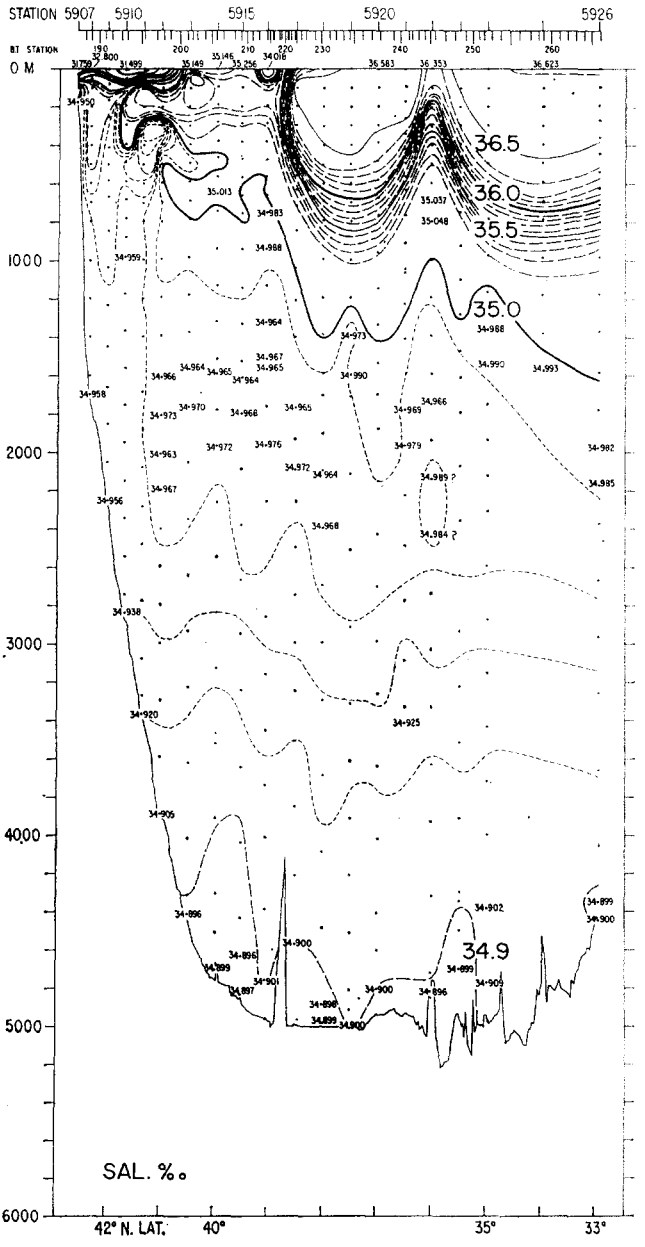
SECTION II, 66° 30′ W. Long.



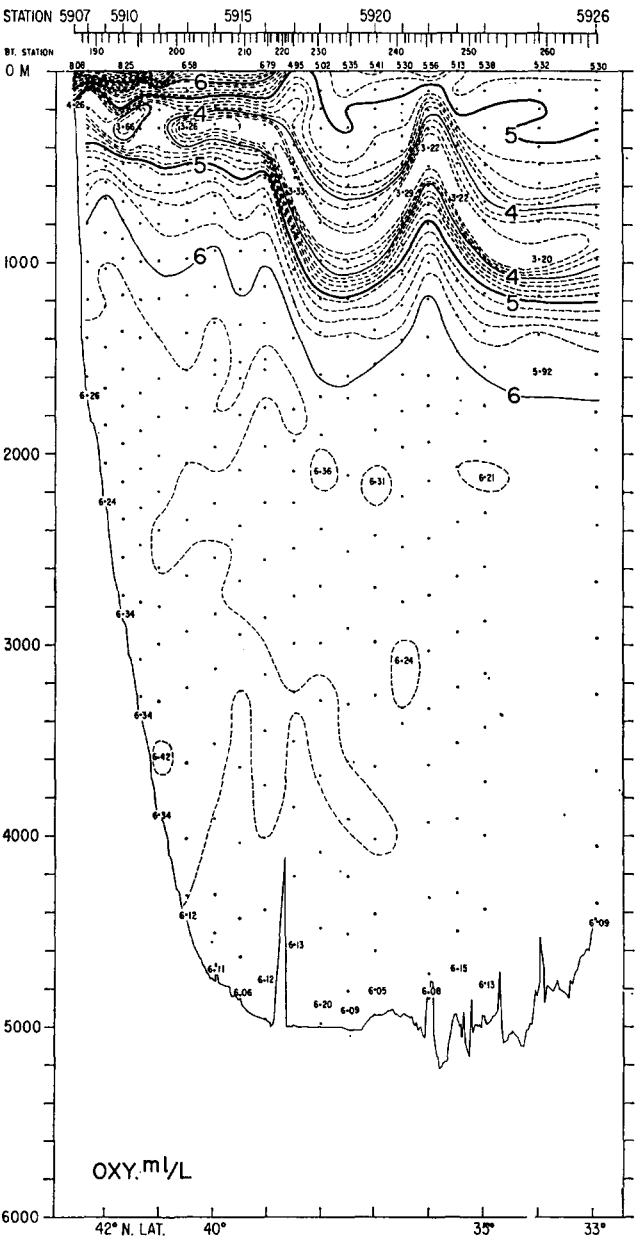
SECTION II, 66° 30′ W. Long.



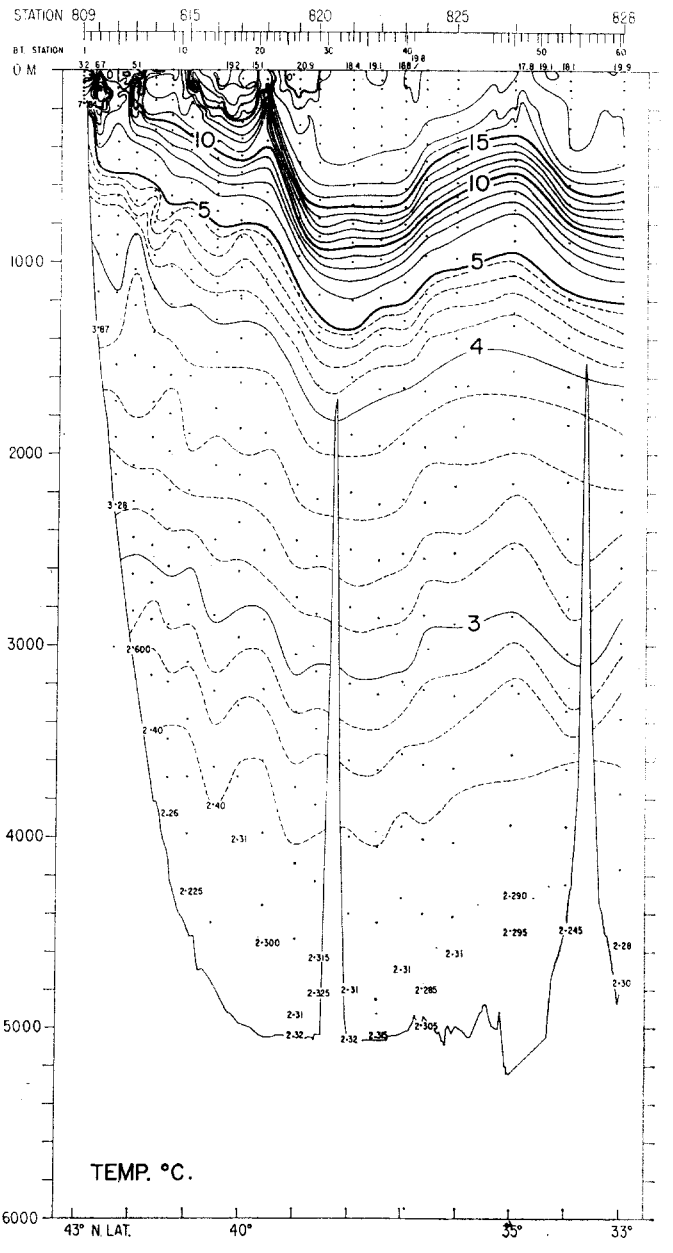
SECTION III, 64° 30′ W. Long.



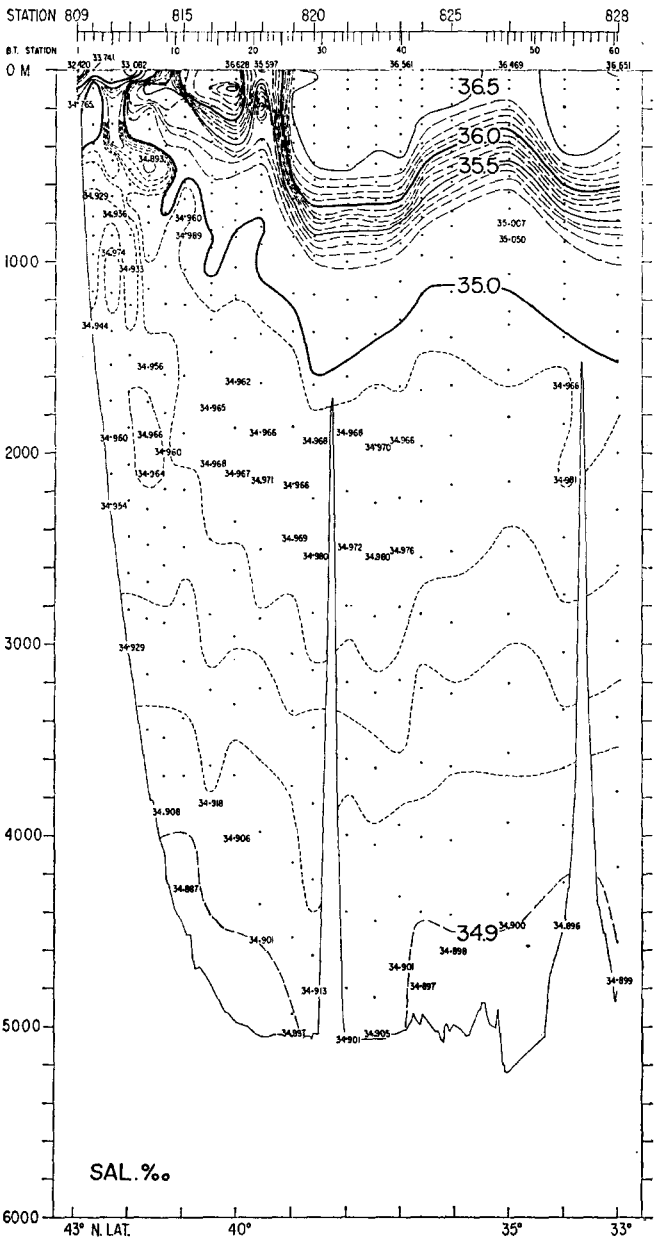
SECTION III, 64° 30′ W. Long.



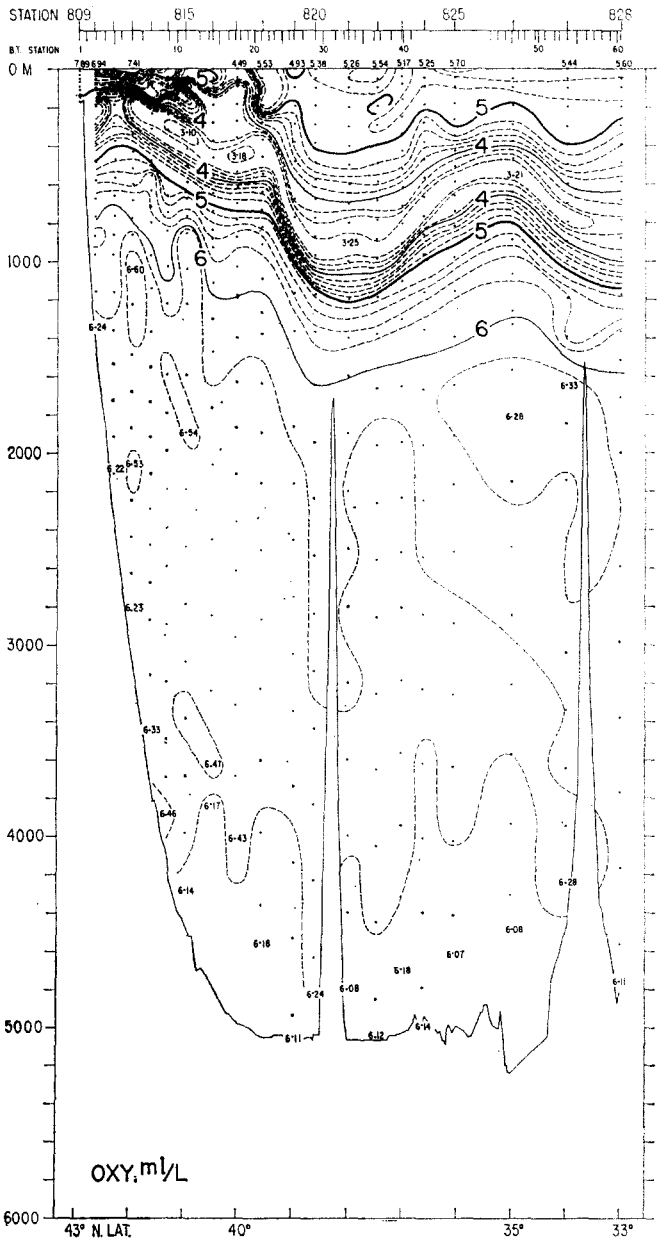
SECTION III, 64° 30′ W. Long.



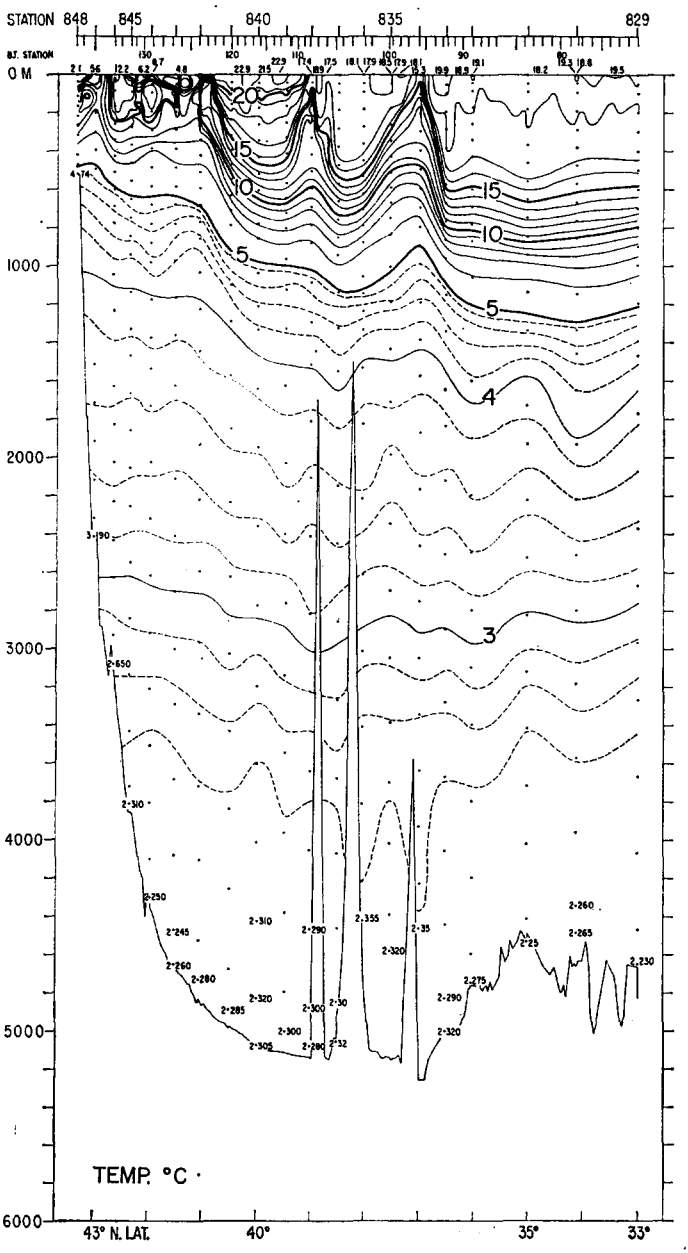
SECTION IV, 62° 30′ W. Long.



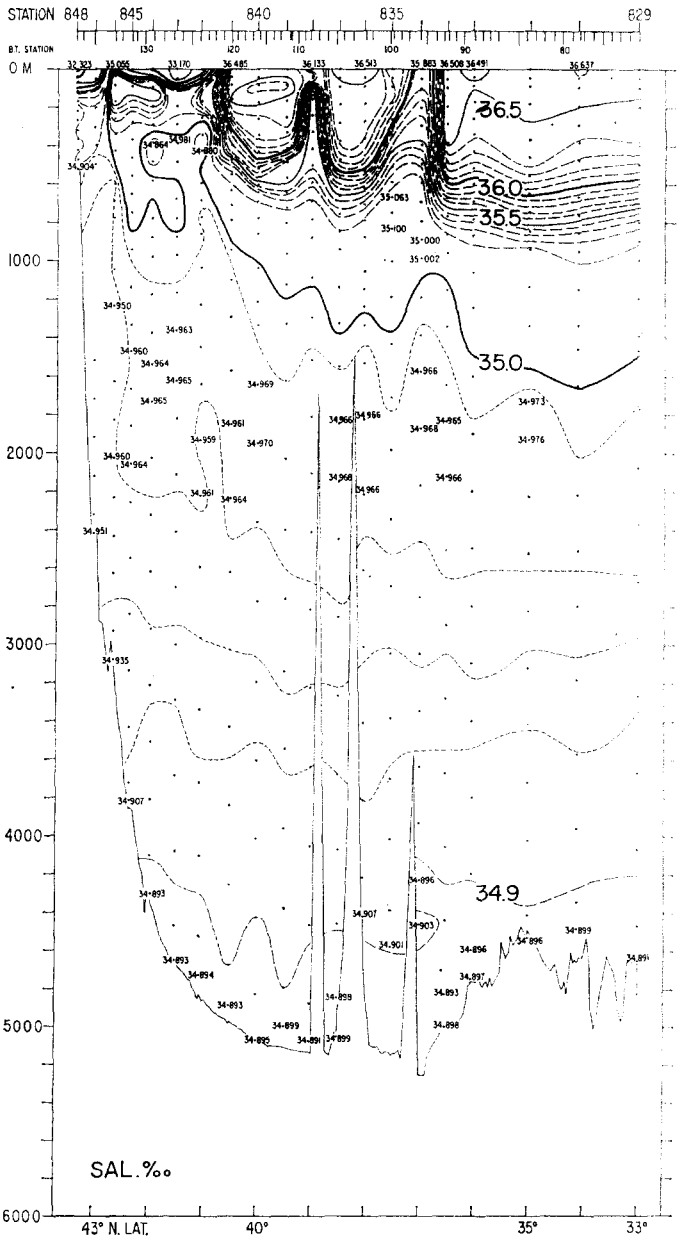
SECTION IV, 62° 30′ W. Long.



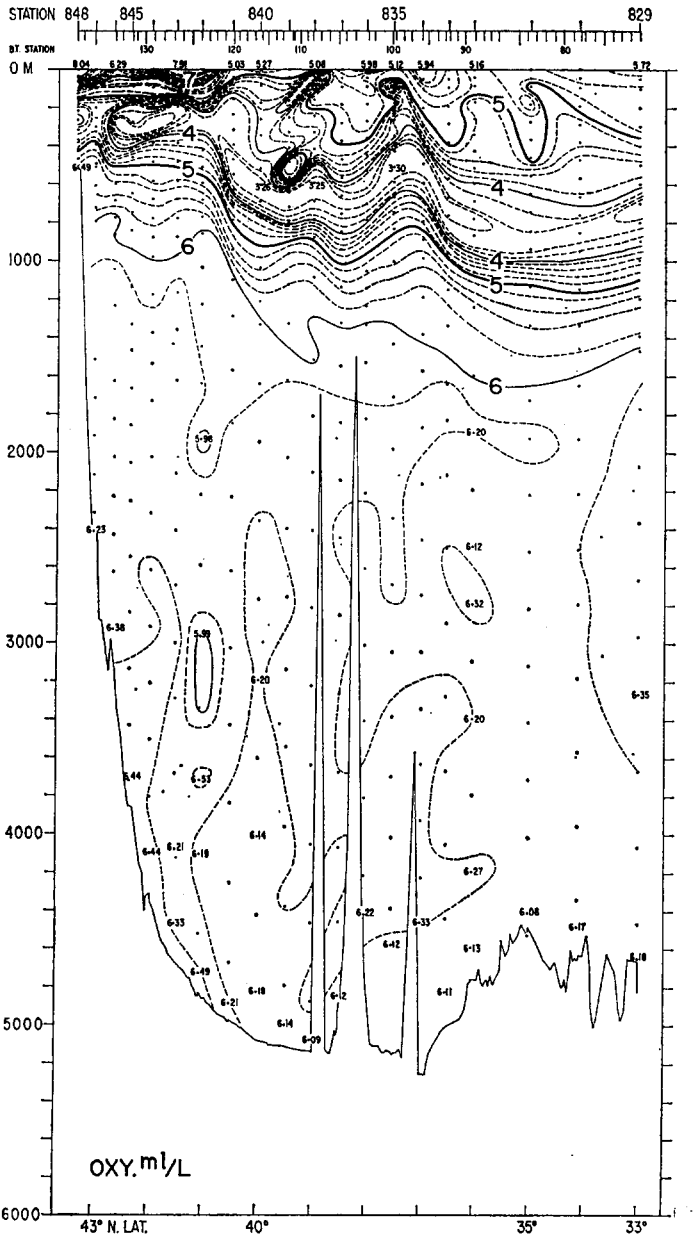
SECTION IV, 62° 30′ W. Long.



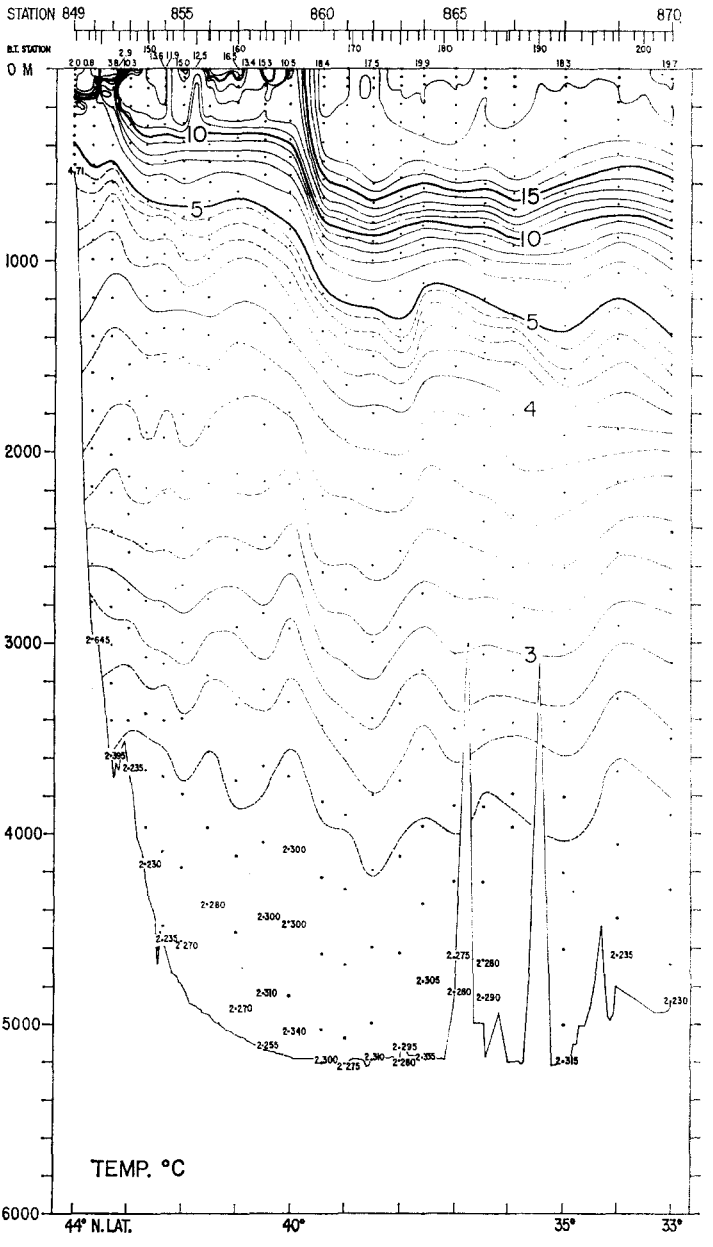
SECTION V, 60° 30′ W. Long.



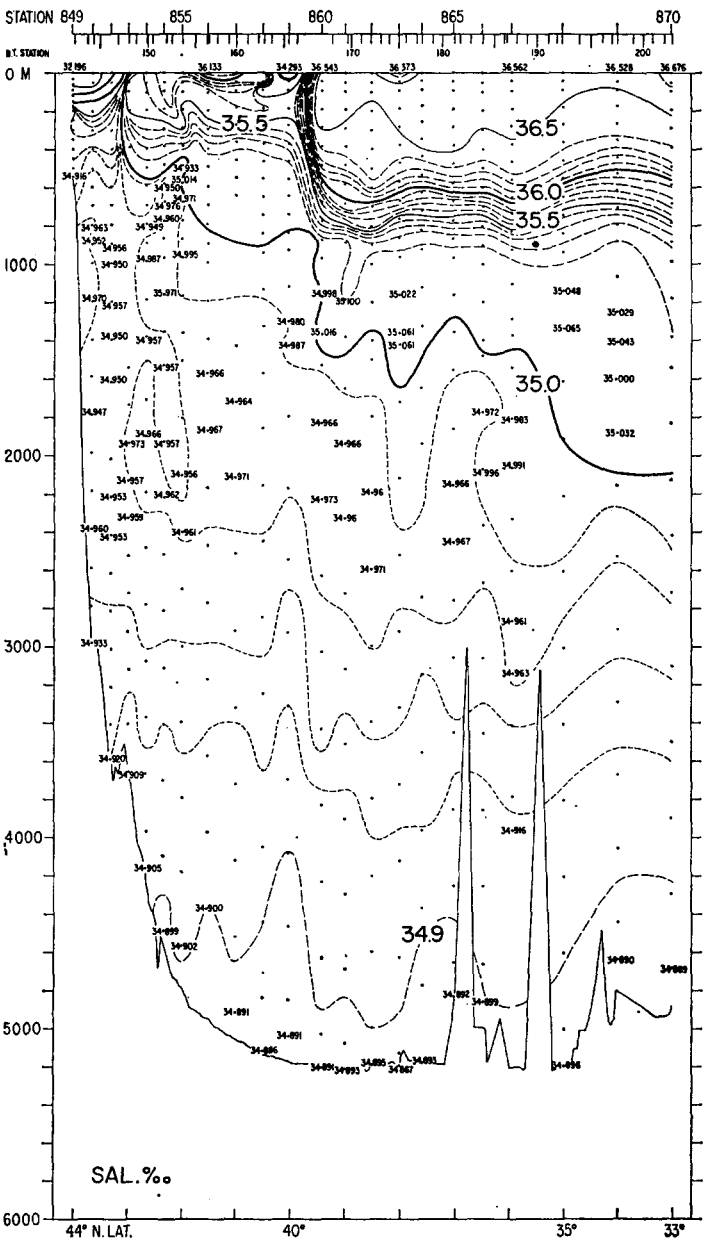
SECTION V, 60° 30′ W. Long.



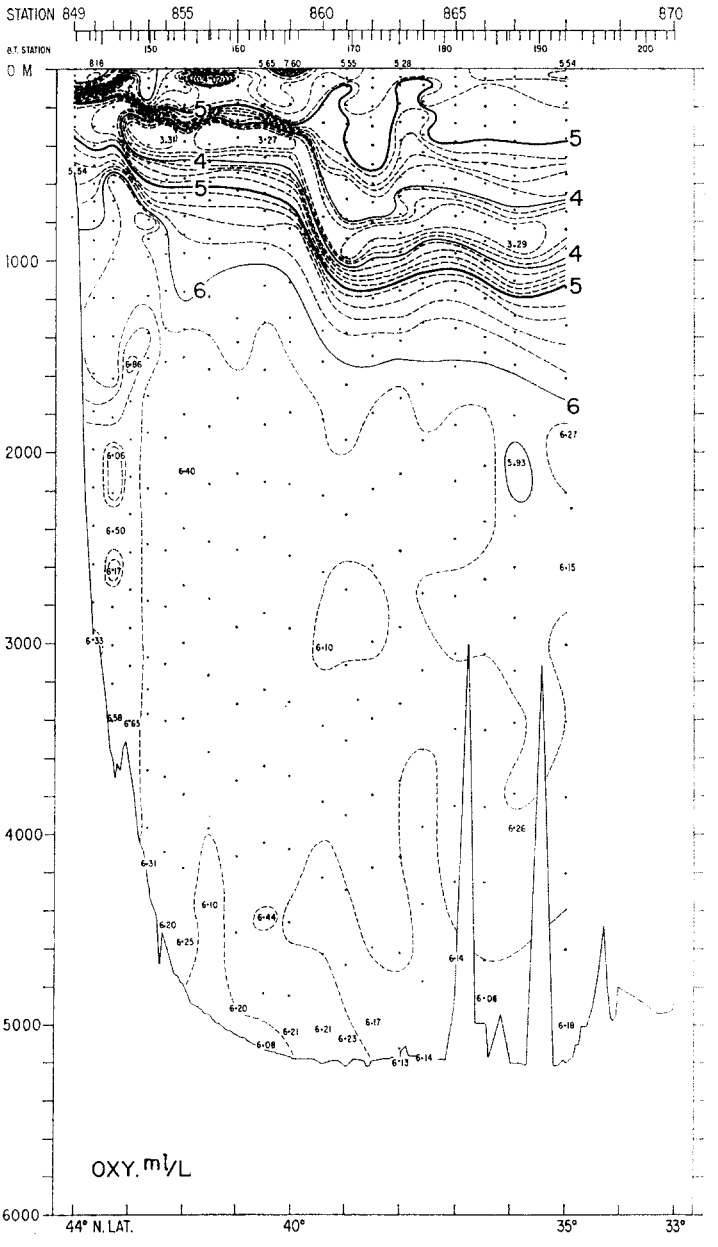
SECTION V, 60° 30′ W. Long.



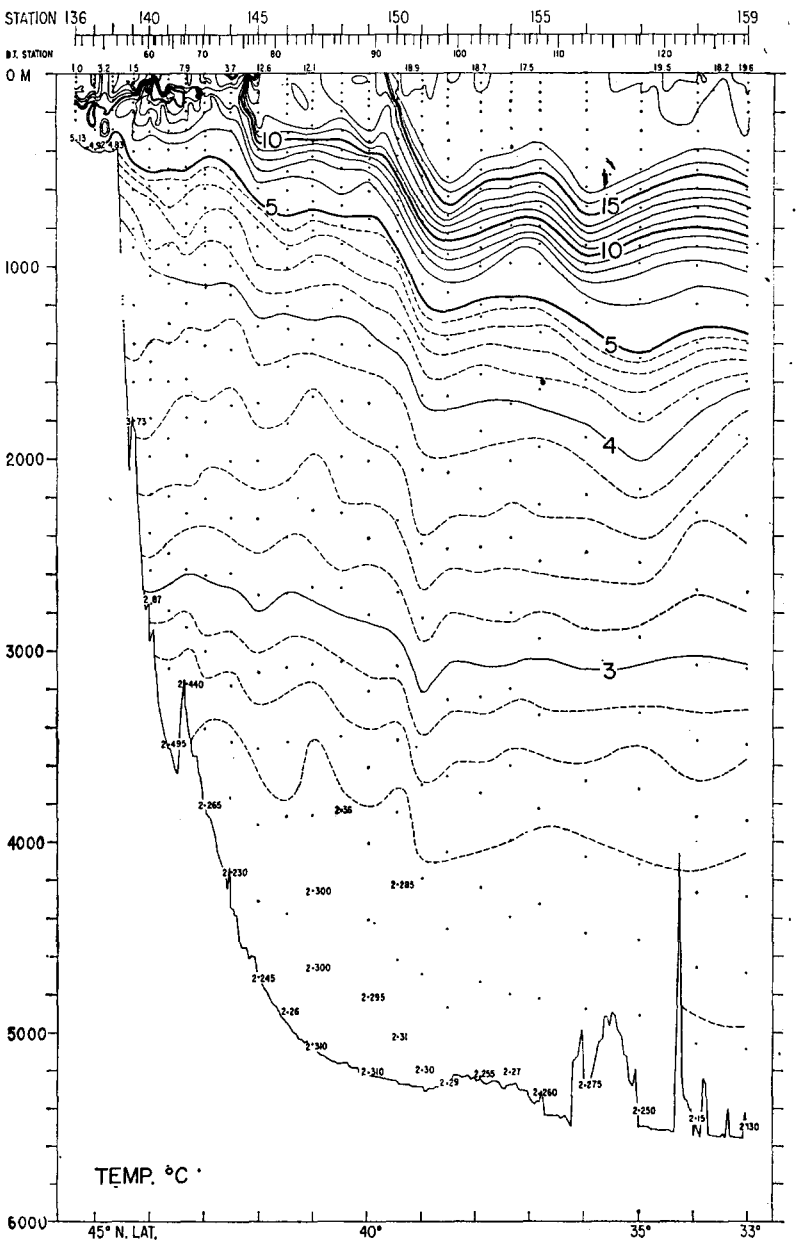
SECTION VI, 58° 30′ W. Long.



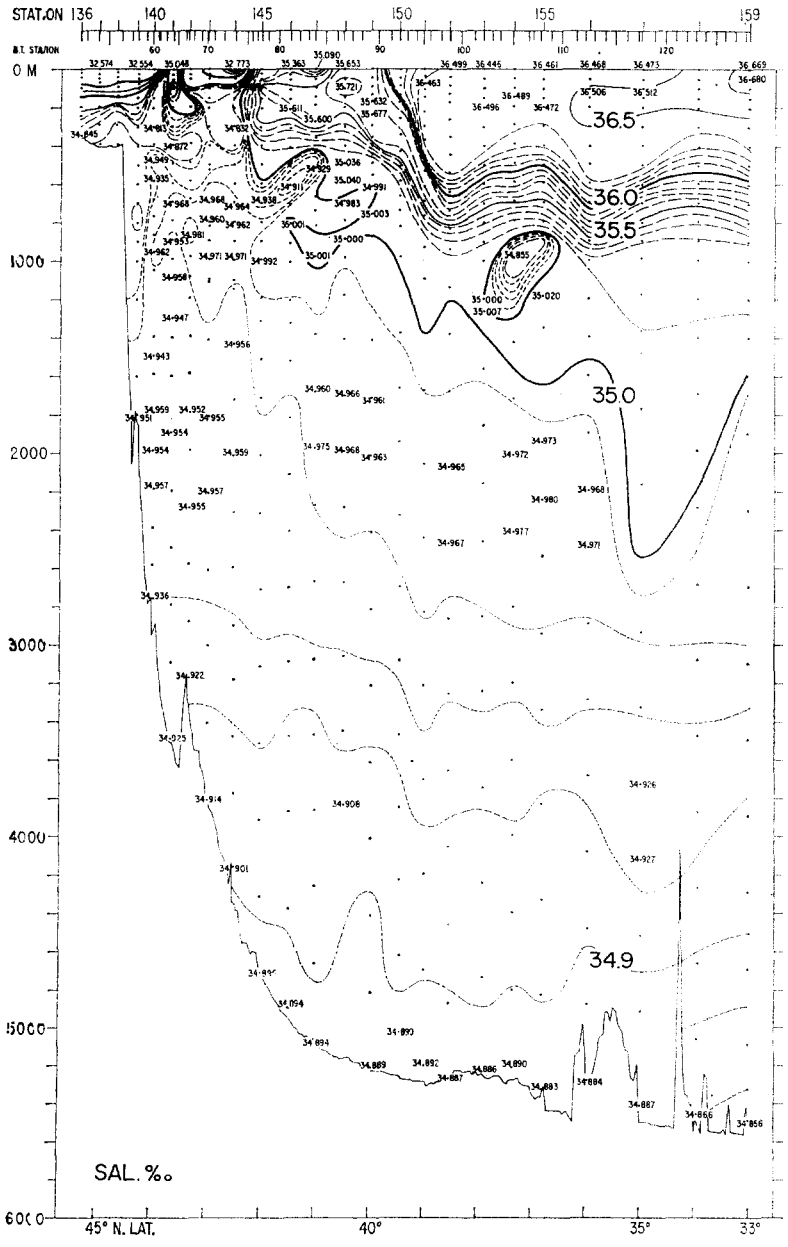
SECTION VI, 58° 30′ W. Long.



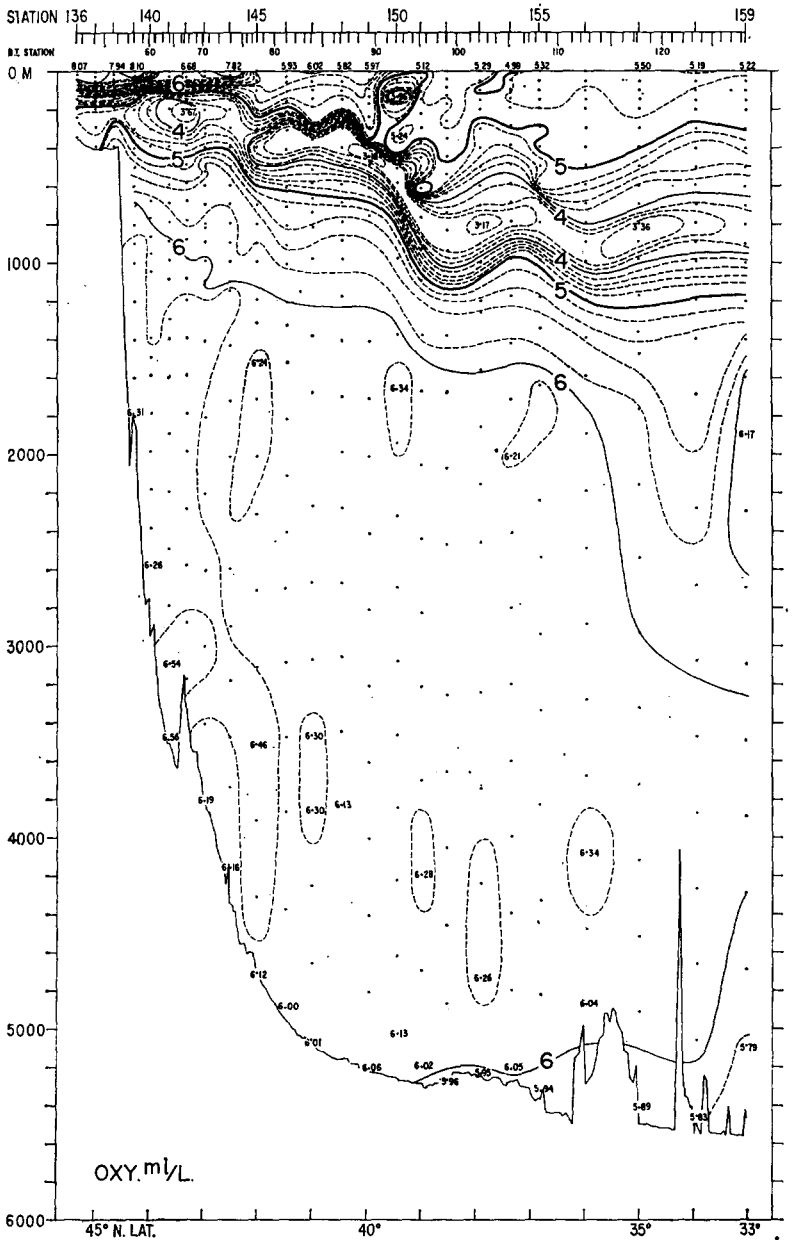
SECTION VI, 58° 30′ W. Long.



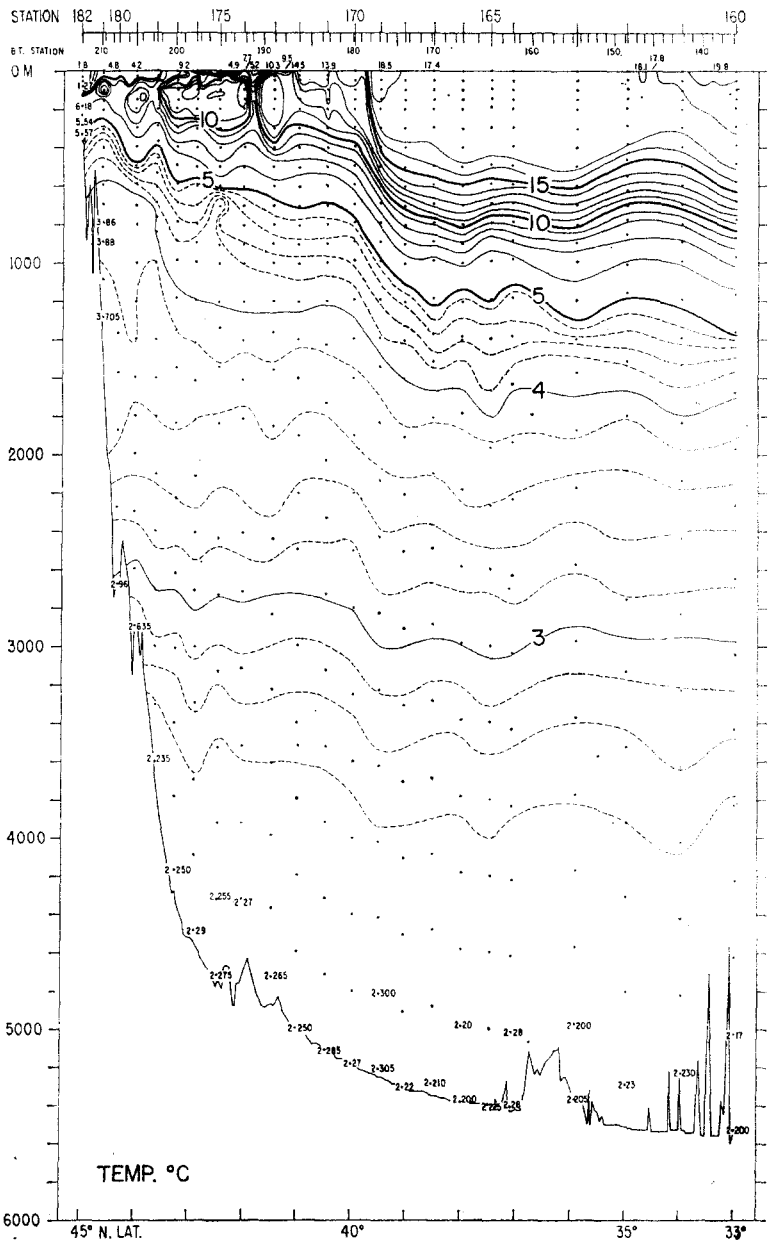
SECTION VII, 56° 30′ W. Long.



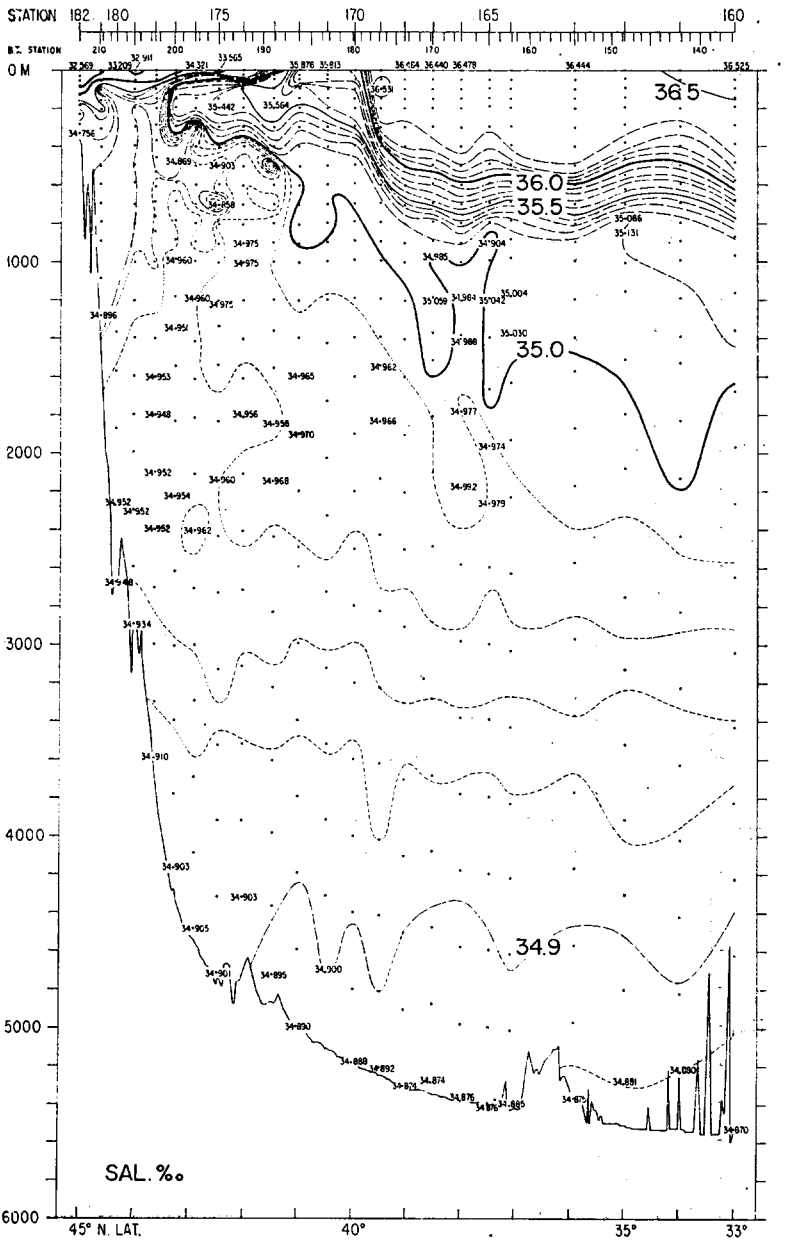
SECTION VII, 56° 30′ W. Long.



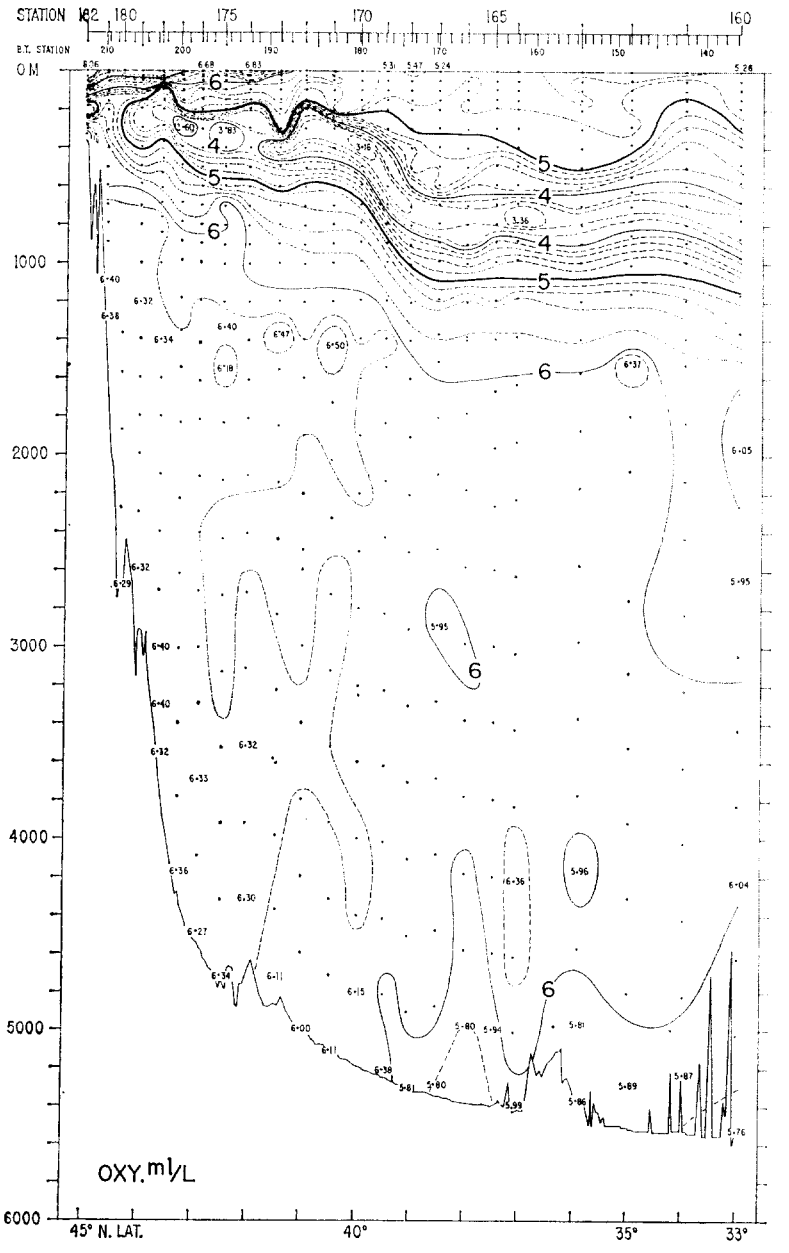
SECTION VII, 56° 30′ W. Long.



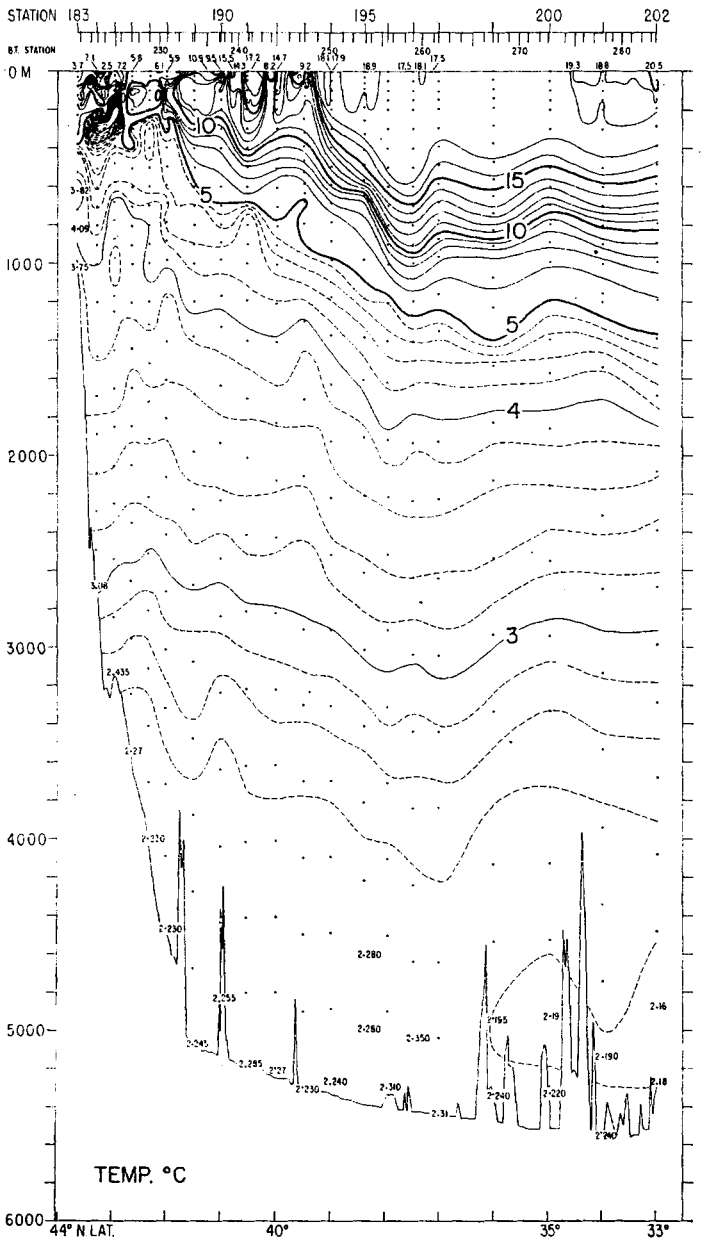
SECTION VIII, 54° 30′ W. Long.



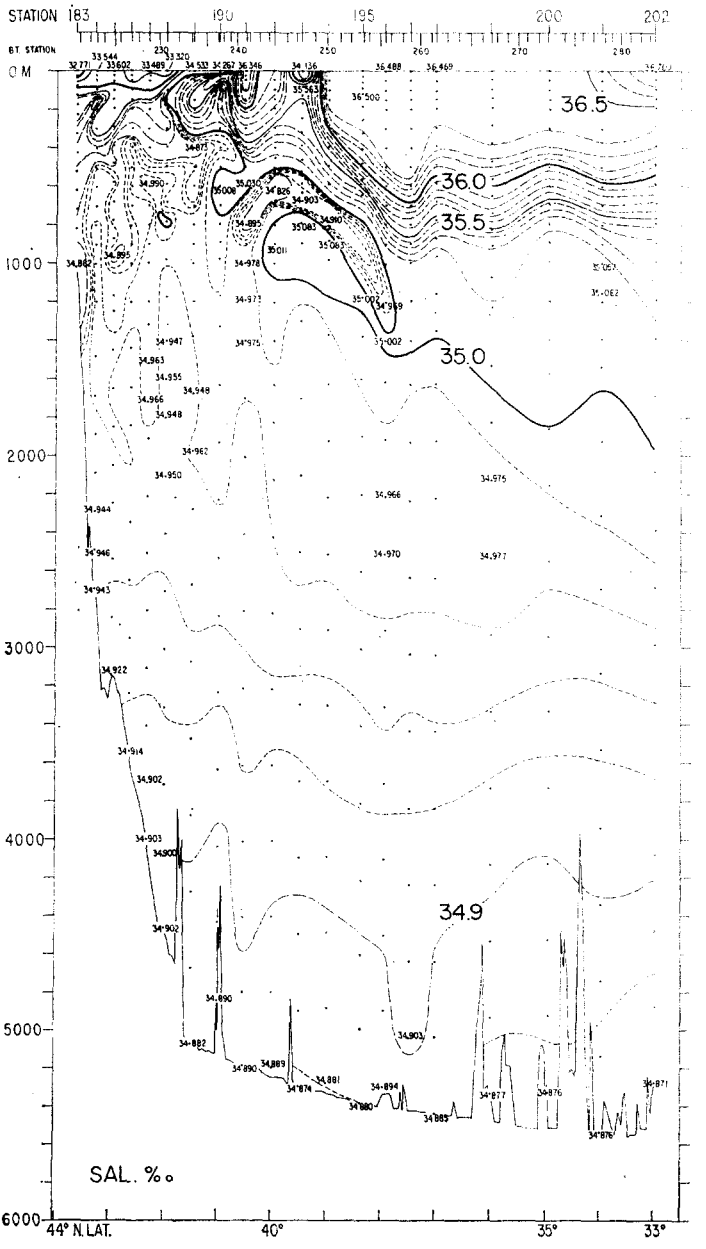
SECTION VIII, 54° 30′ W. Long.



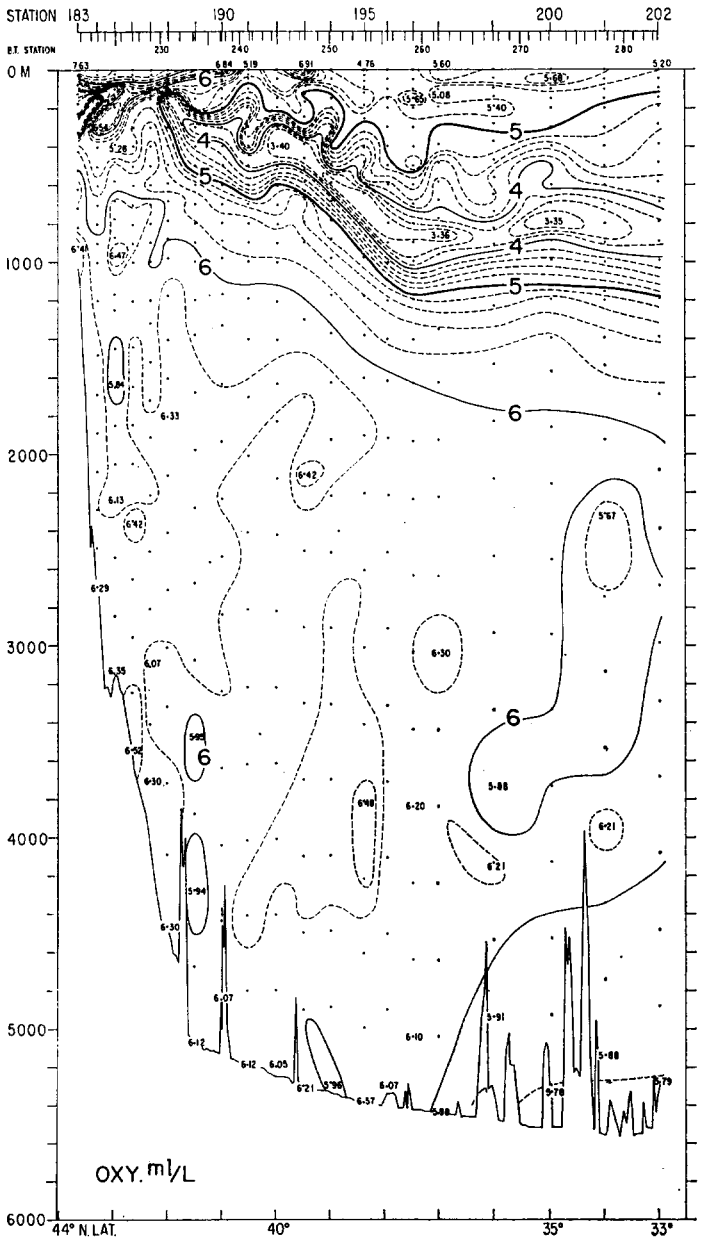
SECTION VIII, 54° 30′ W. Long.



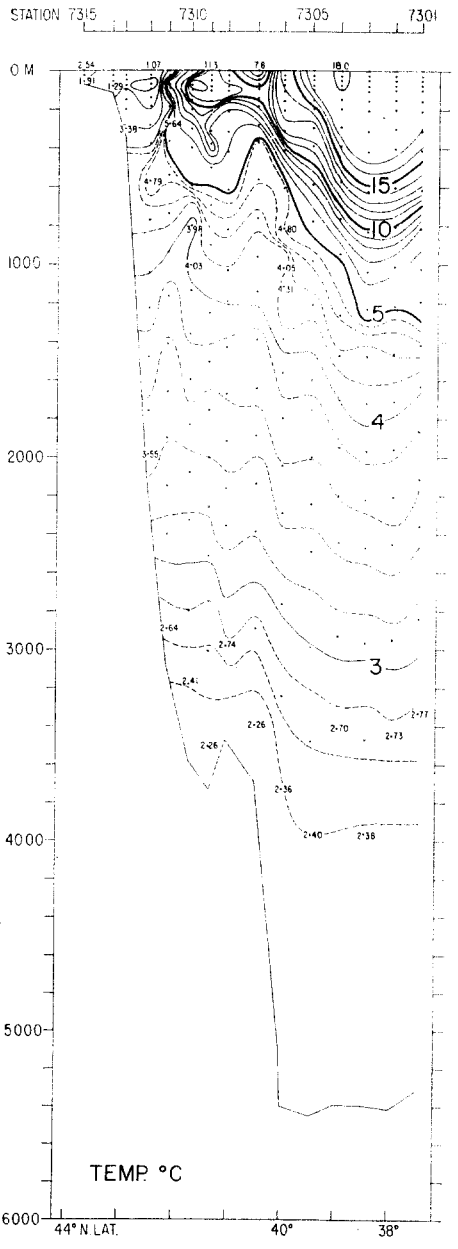
SECTION IX, 52° 30′ W. Long.



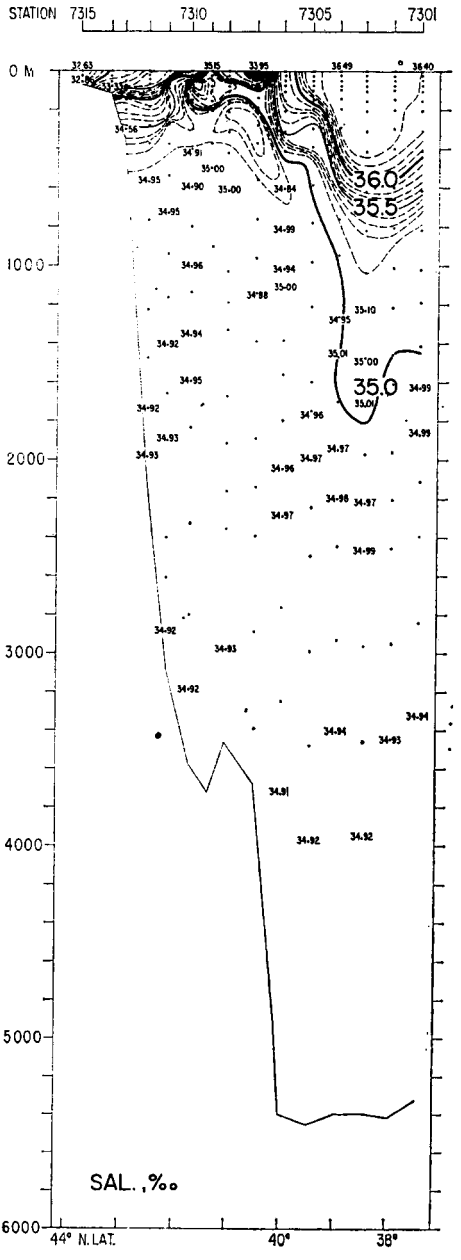
SECTION IX, 52° 30′ W. Long.



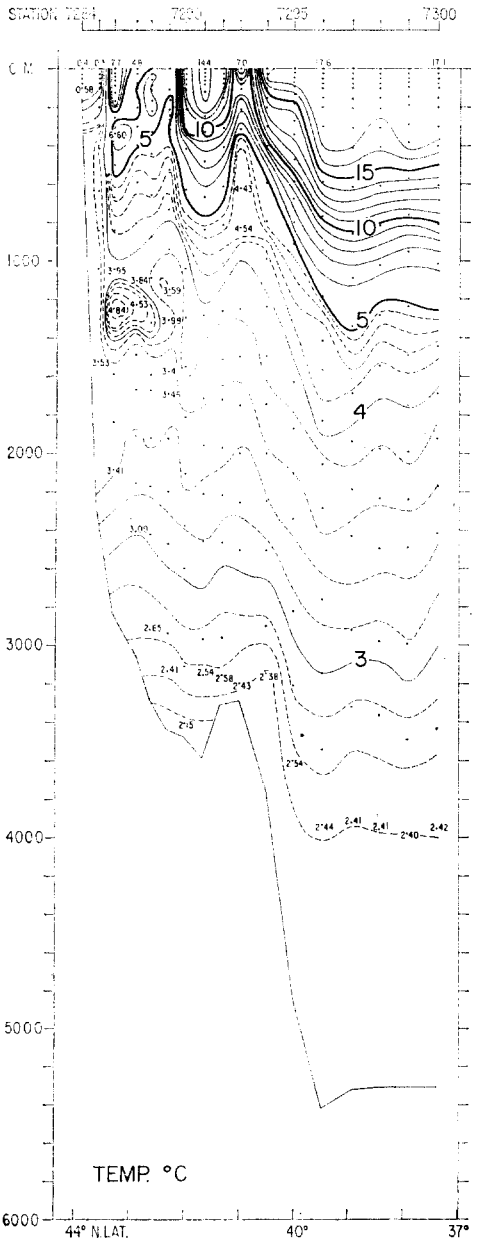
SECTION IX, 52° 30′ W. Long.



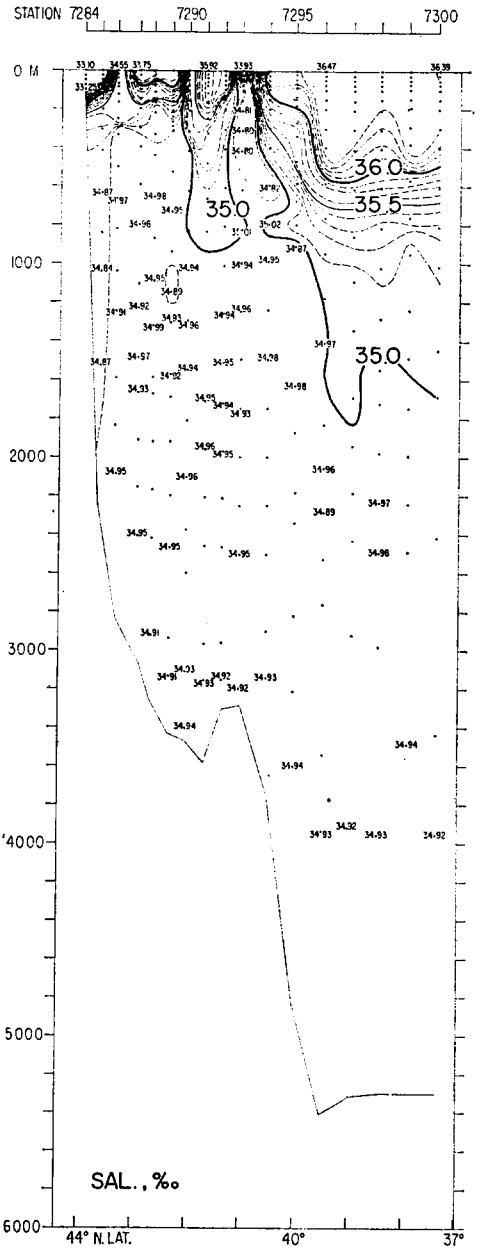
SECTION X, 50° 15′ W. Long.



SECTION X, 50° 15′ W. Long.



SECTION XI, 48° 30′ W. Long.



SECTION XI, 48° 30′ W. Long.

TABLES OF OCEANOGRAPHIC DATA

ATLANTIS CRUISE 255—1960

Depth, meters	Temperature, °C	Salinity, ‰	O_2, ml/l.	pH
Station 5873; 9 April; 40° 14′ N. 68° 30′ W.; Depth 185 m.				
1	4.78	32.864	7.23	7.54
50	4.57	32.895	7.11	8.27
100	7.49	34.067	5.79	7.65
150	9.02	34.766	4.87	7.62
175	9.08	34.833	4.78	7.82
Station 5874; 9 April; 40° 00′ N. 68° 30′ W.; Depth 1880 m.				
1	5.02	35.333?	7.17	8.00
50	6.25	35.934?	6.93	7.75
100	9.37	34.626	5.92	7.76
200	10.31	35.204	3.88	7.49
300*	7.93	35.034	3.79	7.22
400	—	34.908	4.88	7.09
500*	4.98	34.934	5.30	7.20
600	4.67	34.965	5.84	7.56
700*	4.48	34.961	5.82	7.45
800	4.34	34.973	5.93	7.21
900*	4.19	34.957	6.16	7.49
995*	4.12	34.957	6.17	7.38
1095	3.99	34.959	6.16	7.40
1190	3.96	34.962	6.11	7.31
1390	3.81	34.959	6.18	7.11
1585*	3.73	34.959	6.24	7.35
400	5.73	34.933	4.67	7.20
1545	3.69	34.954	6.23	7.67
1695*	3.67	34.955	6.27	7.35
Station 5875; 9 April; 39° 41′ N. 68° 33′ W.; Depth 2699 m.				
1	3.93	32.317	7.94	7.06
45	3.73	32.531	7.45	7.64
90	6.84	34.044	5.30	7.45
185	10.19	35.142	4.52	7.06
275*	7.75	34.917	4.06	7.46
370	6.30	34.894	4.49	7.25
460*	5.30	34.887	4.96	7.49
555	5.27	35.008	5.15	7.32
645*	4.85	35.002	5.52	7.13
745	4.40	34.980	5.85	7.82
840*	4.34	34.989	5.86	7.40
900*	4.28	34.988	5.97	7.16
995	4.17	34.980	5.99	7.19
1185*	3.89	34.963	6.18	7.20
1370	3.75	34.965	6.21	7.01
1560*	3.68	34.962	6.39	6.90
1750	3.57	34.960	6.24	7.35
1940*	3.51	34.958	6.27	7.43
2135	3.37	34.960	6.21	7.10
2325*	3.26	34.963	6.21	7.00
2525	3.08	34.954	6.25	6.81
2630*	2.83	34.947	6.25	7.16

Depth, meters	Temperature, °C	Salinity, ‰	O_2, ml/l.	pH
Station 5876; 9 April; 39° 20′ N. 68° 30′ W.; Depth 2965 m.				
1	8.64	34.146	6.73	7.16
30	9.33	34.467	6.31	7.29
55	10.52	34.511	6.48	7.30
115	11.92	35.329	5.13	7.20
175*	10.42	35.288	4.22	7.23
235	9.22	35.177	3.30	7.16
305*	7.56	35.079	3.82	7.16
595*	4.79	35.025	5.63	—
890	4.20	34.995	6.00	—
1190*	3.87	34.977	6.16	—
1485	3.68	34.970	6.23	—
1785*	3.51	34.968	6.32	—
2080	3.28	34.962	6.33	—
2380*	3.04	34.970	6.31	—
2670	2.80	34.945	6.36	—
2965*	2.43	34.929	6.40	—
295*	7.80	35.107	3.81	—
390	6.17	35.025	4.58	—
Station 5877; 10 April; 38° 59′ N. 68° 30′ W.; Depth 3329 m.				
1	8.83	34.105	6.66	
45	10.84	35.137	5.42	
95	11.06	35.304	4.97	
190	9.42	35.161	3.47	
285*	7.57	35.070	3.79	
380	5.95	35.022	4.73	
480*	5.13	35.005	5.35	
575	4.72	35.003	5.70	
675*	4.58	35.000	5.74	
770	4.39	34.997	5.87	
870*	4.17	34.987	6.00	
970	4.02	34.978	6.12	
1165*	3.82	34.971	6.19	
1320*	3.70	34.968	6.23	
1520	3.58	34.969	6.21	
1720*	3.46	34.963	6.26	
1920	3.31	34.965	6.27	
2120*	3.12	34.980?	6.20	
2315	2.97	34.952	6.25	
2515*	2.85	34.944	6.29	
2715	2.69	34.937	6.32	
2915*	2.555	34.941	6.33	
3120	2.425	34.924	6.50	
3325*	2.370	34.923	6.34	

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	pH
Station 5878; 10 April; 38° 40′ N. 68° 30′ W.; Depth 3695 m.				
1	6.84	32.278	7.17	7.60
50	10.52	35.034	5.67	7.23
100	11.02	35.269	5.29	7.54
200	9.13	35.149	3.28	7.43
295*	7.69	35.049	3.66	7.33
395	6.08	35.009	4.62	7.21
495*	5.13	35.012	5.24	7.43
595	4.79	35.000	5.52	7.32
695*	4.52	35.014	5.72	7.66
795	4.31	34.991	5.87	7.49
895*	4.14	34.981	5.99	7.16
995	4.04	34.976	6.04	7.47
1195*	3.81	34.968	6.18	7.78
1390*	3.70	34.970	6.19	7.36
1590	3.58	34.965	6.21	7.48
1790*	3.47	34.968	6.19	7.15
1990	3.36	34.966	6.18	7.62
2185*	3.22	34.965	6.13	7.34
2385	3.05	34.960	6.16	7.57
2585*	2.89	34.947	6.19	7.54
2785	2.74	34.942	6.27	7.29
3085*	2.525	34.929	6.29	7.51
3385	2.330	34.919	6.28	7.27
3690*	2.19	34.913	6.15	7.39
Station 5879; 10 April; 38° 20′ N. 68° 30′ W.; Depth 4063 m.				
1	8.21	33.913	6.82	7.73
45	8.36	34.065	6.61	7.87
90	10.74	35.081	5.29	7.55
185	10.28	35.208	3.91	7.64
275*	8.50	35.100	3.41	7.20
370	6.74	35.012	4.22	7.24
470*	5.60	35.016	4.91	7.48
565	4.99	34.987	5.36	7.45
665*	4.68	34.985	5.63	7.45
760	4.38	34.971	5.91	7.55
855*	4.25	34.972	5.99	7.49
955	4.12	34.970	6.04	7.55
1155*	3.95	34.968	6.15	7.62
1470*	3.72	34.966	6.32	7.34
1665	3.60	34.964	6.37	7.44
1860*	3.48	34.962	6.25	7.24
2055	3.33	34.963	6.20	7.44
2250*	3.18	34.955	6.20	7.64
2545	2.90	34.947	6.39	7.28
2840*	2.68	34.937	6.30	7.31
3135	2.46	34.924	6.27	7.51
3435*	2.290	34.909	6.21	7.32
3735	2.215	34.902	6.18	7.36
4035*	2.195	34.896	6.06	7.55

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	pH
Station 5880; 10 April; 37° 58′ N. 68° 28′ W.; Depth 4308 m.				
1	23.22	36.432	4.98	7.56
45	22.96	36.443	4.88	8.04
90	21.80	36.718	3.74	7.97
175	17.80	36.246	4.07	8.01
260*	11.83	35.149	5.50	7.53
335	11.63	35.405	4.05	7.75
405*	9.73	35.275	3.53	7.49
475	7.34	35.047	3.93	7.67
545*	6.09	34.948	4.60	7.56
610	5.24	34.943	5.07	7.53
745*	4.65	34.976?	5.70	7.48
900	4.48	35.168?	5.76	7.51
1070*	4.18	35.229?	5.99	7.46
1075*	4.23	35.203?	5.93	7.38
1220	4.07	35.073?	6.02	7.47
1365*	3.93	34.977	6.13	7.33
1505	3.82	34.967	6.16	7.23
1725	3.66	34.970	6.20	7.44
1940	3.51	34.963	6.18	7.42
2160*	3.37	34.959	6.26	7.51
2385	3.19	34.960	6.21	7.41
2615*	3.00	34.962	6.16	7.39
2840	2.745	34.941	6.31	7.49
3150*	2.505	34.926	6.21	7.48
Station 5881; 11 April; 37° 40′ N. 68° 29′ W.; Depth 4510 m.				
1	22.66	36.415	4.79	7.94
50	22.63	36.413	4.77	7.92
95	19.89	36.594	4.80	7.95
190	18.77	36.568	4.98	7.95
285*	18.17	36.521	5.26	7.99
380	17.60	36.427	4.58	7.82
470*	16.95	36.310	4.21	7.76
560	15.58	36.081	3.84	7.71
650*	13.61	35.775	3.71	7.70
735	11.29	35.491	3.55	7.60
910*	6.02	35.055	4.63	7.38
1085	4.55	34.964	5.75	7.43
1265*	4.38	35.001	5.87	7.46
1490*	4.04	34.979	6.10	7.72
1655	3.87	34.969	6.33	7.67
1820*	3.76	34.968	6.18	7.60
1985	3.66	34.975	6.17	7.61
2235*	3.49	34.967	6.18	7.63
2485	3.30	34.963	6.15	7.65
2735*	3.08	34.956	6.15	7.27
3080	2.75	34.946	6.21	7.48
3420*	2.445	34.925	6.23	7.44
3755	2.315	34.913	6.20	7.75
4090*	2.265	34.907	6.16	7.67

Station 5882; 11 April; 37° 22′ N. 68° 32′ W.; Depth 4654 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	pH
1	20.84	36.489	5.05	8.11
40	18.84	36.543	5.19	8.23
80	18.42	36.556	5.14	8.24
160	18.21	36.550	5.06	8.21
235*	18.05	36.529	5.02	8.32
310	17.98	36.539	5.12	8.29
380*	17.89	36.514	4.79	8.17
455	17.86	36.502	4.98	8.28
530	—	36.398	4.59	8.24
610	—	36.183	4.16	8.20
765*	13.67	35.792	3.71	8.06
925	9.89	35.284	3.34	8.00
1100*	6.31	35.056	4.54	7.91
1375*	4.58	35.032	5.66	8.01
1535	4.28	35.000	5.88	7.98
1785*	3.96	34.976	6.10	8.05
2025	3.77	34.968	6.15	8.01
2270*	3.61	34.968	6.20	8.02
2520	3.43	34.966	6.15	8.05
2775*	3.23	34.958	6.16	8.09
3120	2.96	34.957	6.16	7.95
3470*	2.670	34.939	6.23	8.04
3830	2.420	34.935?	6.25	8.05
4290*	2.290	34.909	6.13	8.05

Station 5883; 11 April; 37° 00′ N. 68° 29′ W.; Depth 4766 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	pH
1	19.58	36.536	5.07	—
40	19.59	36.533	5.07	8.34
85	18.79	36.549	5.07	—
170	18.23	36.542	5.06	8.26
255*	18.09	36.538	5.05	—
345	18.02	36.533	5.03	8.30
430*	18.00	36.531	5.30	—
520	17.98	36.524	4.85	8.34
610	—	36.512	5.13	—
700	—	36.377	4.48	8.36
880*	12.86	35.655	3.61	—
1065	8.47	35.134	3.45	8.06
1255*	5.92	35.040	4.75	8.09
1635*	4.37	35.001	5.87	7.97
1830	4.04	34.973	6.05	—
2030*	3.86	34.969	6.17	8.07
2230	3.75	34.965	6.19	—
2525*	3.56	34.970	6.11	8.06
2785*	3.35	34.965	6.49	—
3075	3.12	34.956	6.43	8.05
3365*	2.86	34.944	6.34	—
3655	2.63	34.930	6.24	8.07
3945*	2.435	34.919	6.21	—
4345	2.320	34.907	6.17	8.05
4750*	2.305	34.903	6.23	—

Station 5884; 12 April; 36° 29′ N. 68° 33′ W.; Depth 4760 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	pH
1	18.10	36.544	5.21	8.00
50	18.12	36.544	5.19	8.31
100	18.10	36.539	5.21	8.03
200	18.15	36.542	5.20	—
295*	18.08	36.530	5.01	7.85
395	17.98	36.521	4.95	—
495*	17.80	36.487	4.88	7.92
595	16.91	36.304	5.47	—
690*	15.67	36.115	3.98	7.92
790	13.86	35.810	3.69	—
990*	9.46	35.237	3.36	7.70
1185	5.76	35.025	4.81	—
1385*	4.82	35.019	5.54	7.67
1670*	4.13	34.982	6.00	—
1860	3.94	34.975	6.12	7.71
2055*	3.80	34.975	6.18	—
2245	3.70	34.966	6.21	7.75
2535*	3.50	34.965	6.17	—
2820	3.275	34.961	6.19	7.74
3105*	3.01	34.955	6.23	—
3395	2.745	34.940	6.25	7.98
3790*	2.450	34.921	6.27	—
4185	2.325	34.912	6.23	8.11
4680*	2.285	34.903	6.09	8.04

Station 5885; 12 April; 36° 01′ N. 68° 29′ W.; Depth 4765 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	pH
1	18.05	36.530	5.29	8.21
100	18.06	36.527	5.23	—
200	18.04	36.530	5.10	8.33
295	18.00	36.524	5.02	—
395*	17.74	36.465	4.83	8.42
495	17.16	36.353	4.45	—
595*	15.93	36.139	4.05	8.20
695	14.39	35.880	3.88	—
785*	12.54	35.615	3.59	8.33
980	8.05	35.112	3.66	—
1180*	5.44	35.032	5.12	8.17
1380	4.62	35.031	5.63	—
1575*	4.15	34.983	6.02	8.20
1765*	3.95	34.976	6.10	—
1965	3.79	34.967	6.19	8.14
2165*	3.66	34.966	6.19	—
2360	3.53	34.966	6.21	8.19
2560	3.35	34.965	6.17	—
2855	3.14	34.971	6.10	8.22
3155*	2.87	34.948	6.21	—
3550	2.55	34.931	6.22	8.24
3950*	2.360	34.915	6.22	—
4355	2.290	34.920?	6.22	8.24
4765	2.240	34.891	5.98	8.24

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	pH
Station 5886; 12 April; 35° 30′ N. 68° 28′ W.; Depth 5097 m.				
1	18.23	36.549	5.25	8.14
95	18.09	36.536	5.16	—
190	18.06	36.536	5.13	8.21
285	18.02	36.521	4.99	—
380*	17.96	36.519	4.97	8.40
480	17.40	36.393	4.55	—
575*	16.59	36.244	4.21	8.20
670	15.07	35.987	3.95	—
765*	13.76	35.805	3.73	7.63
950	9.31	35.215	3.37	—
1140*	6.05	35.043	4.62	7.50
1335	4.95	35.036	5.45	—
1530*	4.43	35.022	5.84	7.52
1685*	4.21	35.000	5.72	7.52
1980	3.90	34.983	6.08	—
2270*	3.64	34.975	6.15	7.61
2570	3.46	34.982	6.07	—
2865	3.24	34.974	6.15	7.51
3155	2.96	34.975?	6.12	—
3450*	2.71	34.947	6.19	7.47
3845	2.47	34.923	6.15	—
4235*	2.36	34.909	6.13	7.59
4625	2.31	34.903	6.10	—
Station 5887; 13 April; 34° 59′ N. 68° 29′ W.; Depth 5285 m.				
1	18.27	36.550	5.33	8.08
90	18.29	36.545	5.26	—
180	18.19	36.537	5.05	8.13
270	18.17	36.540	5.01	—
360*	18.13	36.542	5.03	8.25
450	18.08	36.549	5.03	—
540*	17.84	36.503	5.03	8.30
635	16.57	36.240	4.25	—
725*	15.20	36.001	3.99	8.11
910	10.91	35.398	3.42	—
1100*	6.93	35.092	4.20	7.98
1295	5.35	35.050	5.19	—
1490*	4.51	35.016	6.05	8.05
1690*	4.08	34.993	6.04	7.83
1980	3.81	34.983	6.08	—
2265*	3.60	34.980	6.14	7.81
2555	3.34	34.970	6.05	—
2840	3.09	34.958	6.05	7.70
3125	2.87	34.945	6.11	—
3415*	2.69	34.934	6.15	7.63
3810	—	34.924	6.15	—
4210*	2.355	34,917	6.11	7.89
4720	2.325	34.904	6.07	—
5235*	2.240	34.880	5.84	7.99

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	pH
Station 5888; 13 April; 34° 00′ N. 68° 29′ W.; Depth 5275 m.				
1	18.47	36.574	5.44	8.31
95	18.37	36.557	5.11	—
190	18.25	36.570	5.10	8.39
285	18.21	36.547	5.12	—
380*	17.96	36.494	4.89	8.39
475	17.06	36.332	4.49	—
570	15.79	36.102	4.05	8.33
665*	14.46	35.892	3.98	—
760*	12.51	35.618	3.77	8.19
955	8.28	35.161	3.77	—
1150*	5.89	35.072	4.81	8.09
1345	4.88	35.037	5.56	—
1540*	4.39	35.010	5.84	8.16
1745*	3.98	34.981	6.60	8.17
2020	3.76	34.978	6.60	—
2295*	3.58	34.981	6.35	8.18
2575	3.32	34.967	6.10	—
2855	3.08	34.954	6.12	8.14
3140	2.81	34.941	6.15	—
3430*	2.59	34.927	6.21	8.16
3815	2.420	34.917	6.18	—
4205*	2.335	34.905	6.18	8.15
4695	2.300	34.897	6.18	—
5195*	2.260	34.884	5.90	8.15
Station 5889; 14 April; 33° 00′ N. 68° 30′ W.; Depth 5170 m.				
1	19.07	36.627	5.35	8.42
100	18.52	36.564	5.21	—
200	18.24	36.541	5.01	8.39
300	18.08	36.511	4.84	—
395*	17.61	36.436	4.63	8.41
495	16.98	36.316	4.40	—
595*	15.53	36.069	4.23	8.32
695	13.65	35.768	3.82	—
795*	11.27	35.446	3.51	8.18
995	7.02	35.112	4.23	—
1195*	5.19	35.056	5.31	8.13
1395	4.54	35.022	5.72	—
1595*	4.15	34.997	6.03	8.13
1865*	3.79	34.980	6.20	8.15
2065	3.63	34.977	6.21	—
2265*	3.54	34.992?	6.11	8.17
2565	3.27	34.969	6.12	—
2860*	3.00	—	6.04	—
3155	2.71	34.937	6.21	—
3455*	2.52	34.925	6.24	8.15
3850	2.38	34.919	6.15	—
4245*	2.325	34.908	6.12	8.15
4650	2.280	34.896	6.12	8.14
5155*	2.160	34.877	5.84	8.16

Station 5890; 14 April; 32° 58′ N. 66° 34′ W.; Depth 4915 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	pH
1	19.46	36.632	5.33	8.40
95	18.72	36.586	5.18	—
195	18.40	36.600	5.16	8.40
290	17.88	36.460	4.72	—
390*	17.51	36.410	4.77	8.39
490	16.88	36.302	4.50	—
585*	15.70	36.094	4.38	8.33
685	13.88	35.809	3.92	—
785*	11.98	35.548	3.73	8.20
980	7.74	35.118	3.90	—
1175*	5.61	35.079	5.07	8.24
1375	4.73	35.046	5.73	—
1575*	4.26	35.012	5.98	8.18
1685*	3.98	35.003?	5.99	8.11
1880	3.88	34.988	6.06	—
2175*	3.72	34.995?	6.02	8.16
2465	3.39	34.973	6.08	—
2760*	3.12	34.964	6.06	8.14
3050	2.81	34.945	6.13	—
3345*	2.61	34.930	6.23	8.15
3645	2.42	34.920	6.20	—
4040*	2.29	34.909	5.95	8.15
4435	2.28	34.906	6.10	8.14
4735	2.28	34.901	6.05	8.19

Station 5891; 15 April; 34° 02′ N. 66° 28′ W.; Depth 5210 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	pH
1	18.38	36.549	5.54	8.19
100	18.28	36.540	5.25	—
200	18.24	36.541	5.24	8.22
300	18.16	—	5.12	—
400*	18.04	36.512	4.92	8.16
500	17.91	36.494	4.89	—
600*	16.78	36.280	4.38	8.10
700	15.46	36.048	4.01	—
800*	12.98	35.704	3.59	7.93
995	8.28	35.141	3.64	—
1195*	5.73	35.074	5.07	7.88
1395	4.78	35.038	5.70	—
1595*	4.32	35.013	5.84	7.93
1810*	3.96	34.983	6.08	7.93
2010	3.79	34.988	6.12	—
2310*	3.55	34.972	6.15	7.88
2605	3.35	34.979	6.06	—
2905*	3.08	34.963	6.18	7.99
3205	2.80	34.944	6.14	—
3500*	2.60	34.928	6.19	7.95
3900	2.43	34.917	6.16	—
4300*	2.36	34.908	6.18	7.93
4695	2.32	34.901	6.08	—
5095	2.300	34.892	6.04	7.89
5195*	2.27	34.888	6.05	7.91

Station 5892; 15 April; 35° 01′ N. 66° 30′ W.; Depth 5048 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	pH
1	18.58	36.555	5.64	8.24
95	18.33	36.541	5.25	—
190	18.12	36.531	5.05	8.20
290	18.10	36.536	5.07	—
385	17.91	36.492	4.89	8.19
480	17.16	36.345	4.47	—
580*	16.13	36.161	4.28	8.12
675	14.84	35.950	3.97	—
775*	13.11	35.695	3.69	7.98
970	8.62	35.166	3.59	—
1165*	5.52	35.019	5.10	7.91
1360	4.52	34.979	5.81	—
1560*	4.36	35.006	5.72	7.96
1665*	4.13	34.988	5.99	7.97
1860	3.89	34.975	6.14	—
2150*	3.68	34.971	6.19	7.94
2440	3.50	34.970	6.15	—
2730*	3.30	34.963	6.16	7.92
3020	3.05	34.954	6.16	—
3310*	2.78	34.936	6.15	7.92
3700	2.505	34.922	6.21	—
4090	2.34	34.908	6.19	7.92
4480	2.30	34.902	6.11	7.87
4870	2.31	34.900	6.07	7.85
4965*	2.355?	34.900	6.06	7.87

Station 5893; 15 April; 35° 29′ N. 66° 28′ W.; Depth 4903 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	pH
1	20.36	36.556	5.52	8.24
95	18.56	36.546	5.27	—
195	18.34	36.544	5.12	8.21
290	18.16	36.522	5.00	—
385*	18.05	36.507	4.94	8.31
485	17.92	36.492	4.87	—
585*	17.24	36.360	4.51	8.26
680	15.83	36.112	4.06	—
780*	13.58	35.757	3.76	8.06
975	8.97	35.146	3.25	7.85
1170*	5.64	35.018	4.95	7.86
1370	4.77	35.019	5.62	7.76
1570*	4.32	34.994	5.91	7.89
1565*	4.30	34.993	5.87	7.87
1755	4.03	34.977	6.07	7.80
2040*	3.77	34.968	6.19	7.81
2325	3.57	34.967	6.15	7.81
2610*	3.33	34.964	6.19	7.83
2895	3.09	34.960	6.15	—
3180*	2.87	34.944	6.20	7.77
3565	—	34.927	6.18	—
3945	2.38	34.912	6.19	7.81
4330	2.305	34.905	6.29	7.81
4715	2.30	34.899	6.10	7.80
4815*	2.325?	34.899	6.14	7.76

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	pH
Station 5894; 16 April; 35° 58′ N. 66° 26′ W.; Depth 5028 m.				
1	19.94	36.539	5.27	8.20
95	18.69	36.537	5.12	—
195	17.95	36.482	4.69	8.07
290	17.84	36.491	4.86	—
385*	17.85	36.505	5.07	8.10
480	17.68	36.467	4.79	—
580*	16.84	36.289	4.34	8.06
675	15.64	36.080	4.04	—
770*	13.62	35.774	3.71	7.94
955	8.11	35.114	3.59	7.84
1145*	5.31	35.004	5.14	7.88
1330	4.64	35.000	5.67	7.89
1520*	4.25	34.985	5.95	7.89
1665*	4.01	34.975	6.15	7.94
1855	3.84	34.965	6.26	7.95
2140*	3.66	34.972	6.27	7.94
2425	3.43	34.960	6.20	7.94
2715*	3.21	34.958	6.14	7.93
3000	2.96	34.959	6.19	7.93
3290*	2.71	34.936	6.26	—
3675	2.46	34.920	6.21	7.90
4060*	2.31	34.916	6.20	—
4445	2.30	34.899	6.19	7.89
4830	2.30	34.897	6.14	7.90
4925*	2.33?	34.892	6.08	7.91
Station 5895; 16 April; 36° 28′ N. 66° 32′ W.; Depth 5050 m.				
1	21.95	36.473	5.05	8.16
100	18.43	36.512	5.15	—
195	18.16	36.493	5.14	8.09
295	17.36	36.289	5.08	—
390*	17.21	36.286	4.91	8.06
480	16.50	36.229	4.08	—
575*	15.09	35.994	3.79	7.95
665	13.28	35.708	3.55	—
755*	10.51	35.322	3.28	7.81
925	7.15	35.054	4.05	7.76
1095*	5.18	35.008	5.27	7.78
1280	4.55	34.999	5.76	7.80
1470*	4.19	34.984	6.06	7.86
1700*	3.91	34.974	6.09	7.85
1880	3.80	34.976	6.20	7.86
2060*	3.68	34.970	6.20	7.88
2330	3.54	34.966	6.01	7.94
2600*	3.33	34.963	6.16	7.94
2875	3.08	34.954	6.15	—
3150*	2.84	34.940	6.26	7.91
3525	2.55	34.923	6.22	—
3900*	2.375	34.912	6.25	7.91
4275	2.315	34.904	6.18	7.89
4655	2.305	34.899	6.13	7.92
4750*	2.335?	34.909?	6.13	7.94

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	pH
Station 5896; 17 April; 37° 00′ N. 66° 30′ W.; Depth 5000 m.				
1	22.01	36.483	4.99	8.28
95	19.43	36.567	4.82	—
185	18.42	36.523	4.73	8.22
275	18.12	36.488	4.58	—
370*	17.74	36.439	4.54	8.05
460	17.32	36.380	4.49	—
550*	16.57	36.258	4.39	8.18
640	15.24	36.030	4.01	—
730*	13.33	35.718	3.58	8.09
910	8.54	35.119	3.46	7.95
1095*	5.62	35.011	4.95	7.97
1290	4.75	35.007	5.52	7.96
1485*	4.32	34.990	6.02	8.00
1790*	3.89	34.967	6.18	8.01
1975	3.74	34.964	6.20	8.00
2260*	3.59	34.967	6.32	8.01
2545	3.36	34.963	6.14	8.01
2835*	3.15	34.957	6.18	—
3120	2.92	34.947	6.19	8.03
3405*	2.71	34.934	6.25	—
3695	—	34.923	6.19	8.00
4090	2.350	—	—	—
4480	2.305	34.902	6.14	8.00
4875	2.300	34.899	6.14	8.01
4975*	2.340	34.894	6.08	8.02
Station 5897; 17 April; 37° 30′N. 66° 30′ W.; Depth 4958 m.				
1	22.24	36.480	5.02	8.28
100	18.92	36.555	5.09	—
200	18.12	36.519	4.86	8.24
295	17.91	36.520	4.99	—
395*	17.89	36.531	5.05	9.25
495	17.82	36.502	4.93	—
595*	16.71	36.264	4.26	8.19
695	14.60	35.917	3.88	—
795*	12.46	35.635	3.61	7.99
990	7.49	35.096	3.89	7.88
1185*	5.03	35.021	5.39	7.90
1380	4.36	35.000	5.85	7.93
1575*	4.02	34.985	6.08	7.99
1680*	3.99	34.983	6.08	7.96
1870	3.82	34.970	6.14	7.98
2065*	3.66	34.983	6.20	7.96
2350	3.46	34.968	6.13	7.99
2640*	3.23	34.962	6.29	—
2930	2.99	34.958	6.12	7.98
3220*	2.76	34.941	6.18	—
3610	2.47	34.926	6.15	7.98
4000*	2.330	34.914	6.14	—
4385	2.305	34.901	6.12	7.99
4780	2.30	34.901	6.12	7.99
4875*	2.35?	34.905	6.02	7.99

Station 5898; 17 April; 38° 02′ N. 66° 25′ W.; Depth 4800 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	pH
1	22.66	36.368	4.99	8.35
90	21.01	36.654	3.56	—
175	17.96	36.394	3.54	8.11
260	11.71	35.113	4.98	—
340*	10.87	35.132	4.82	8.05
420	10.94	35.362	3.61	—
485*	8.76	35.131	3.53	7.91
550	7.08	35.030	4.02	—
615*	6.44	35.055	4.44	7.90
735	4.81	34.937	5.47	7.94
865*	4.49	34.955	5.81	7.95
995	4.32	34.973	5.88	7.95
1135*	4.17	34.981	6.01	7.97
1185*	4.14	34.984	6.05	7.96
1315	4.04	34.979	6.14	7.99
1445*	3.88	34.970	6.20	7.99
1650	3.72	34.963	6.24	8.00
1850*	3.60	34.961	6.31	—
2055	3.48	34.965	6.18	8.01
2265*	3.35	34.965	6.19	—
2490	3.180	34.953	6.18	8.01
2800*	2.94	34.954	6.22	—
3115	2.67	34.934	6.26	8.00
3480	2.43	34.922	6.24	8.00
3560*	2.405	34.915	6.20	7.99

Station 5899; 18 April; 38° 30′ N. 66° 32′ W.; Depth 4621 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	pH
1	15.27	34.837	6.14	8.23
95	11.92	35.296	4.64	—
185	10.66	35.291	3.85	8.01
280	8.11	35.082	3.49	—
375*	6.61	35.055	4.26	7.96
470	5.36	35.026	5.14	—
565*	4.82	34.997	5.38	7.95
660	4.57	35.001	5.73	—
755*	4.42	35.002	5.79	7.97
950	4.15	34.990	6.04	7.96
1140*	3.91	34.975	6.14	8.00
1335	3.78	34.972	6.20	8.00
1530	3.66	34.965	6.22	8.03
1730*	3.60	34.973	6.19	7.65?
1925	3.46	34.968	6.19	7.91
2120*	3.34	34.970	6.16	7.94
2310	3.19	34.966	6.21	7.95
2605*	2.96	34.949	6.20	7.94
2895	2.70	34.940	6.24	—
3185*	2.49	34.925	6.27	7.97
3580	2.310	34.921	6.25	—
3970	2.260	34.904	6.18	7.95
4365	2.235	34.897	6.16	8.17
4565*	2.235	34.896	—	8.17

Station 5900; 18 April; 39° 01′ N. 66° 29′ W.; Depth 4565 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	pH
1	14.28	35.398	6.46	8.16
95	11.97	35.362	5.28	—
195	11.07	35.340	4.20	7.99
290	8.60	35.110	3.35	—
385*	7.01	35.056	4.08	—
485	5.40	35.010	4.98	—
580*	4.90	35.002	5.55	7.92
675	4.66	35.000	5.61	—
775*	4.46	35.000	5.78	7.96
970	4.10	34.981	6.02	7.94
1170*	3.89	34.975	6.14	7.96
1365	3.74	34.968	6.25	8.11
1565*	3.64	34.964	6.20	7.96
1770*	3.53	34.981	6.20	8.00
1960	3.44	34.970	6.21	8.00
2155*	3.27	34.964	6.24	8.00
2350	3.11	34.957	6.20	8.00
2635*	2.82	34.944	6.21	8.08
2925	2.57	34.936	6.24	—
3215*	2.43	34.925	6.22	7.99
3505	2.30	34.912	6.20	—
3895	2.25	34.907	6.18	7.98
4295	2.255	34.914?	6.22	7.97
4490*	2.26	34.906	6.18	7.70?

Station 5901; 18 April; 39° 20′ N. 66° 30′ W.; Depth 4303 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	pH
1	13.17	34.820	7.04	8.24
50	12.35	35.356	5.73	—
95	12.62	35.483	5.52	—
195	11.27	35.328	4.40	8.01
290*	9.00	35.136	3.38	—
385	—	35.040	4.12	7.86
480	5.82	35.011	4.80	—
575*	5.09	35.018	5.29	7.94
670*	4.75	35.002	5.58	—
765	4.54	35.004	5.80	7.92
960*	4.18	34.988	5.92	—
1155	3.93	34.975	6.14	7.94
1355*	3.76	34.970	6.19	7.96
370*	7.28	35.030	3.96	7.91
1515*	3.71	34.969	6.26	7.92
1710	3.60	34.970	6.25	7.95
1900*	3.47	34.967	6.25	7.95
2190	3.26	34.965	6.15	7.95
2480*	3.04	34.956	6.33	7.96
2775	2.81	34.944	6.20	7.96
3065*	2.61	34.946	6.24	—
3360	2.43	34.926	6.25	7.96
3655*	2.290	34.914	6.28	—
3945	2.240	34.907	6.20	7.96
4240	2.220	34.903	6.16	7.95

Station 5902; 18 April; 39° 41′ N. 66° 29′ W.; Depth 4012 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	13.19	35.414	6.97
45	12.81	35.448	6.24
90	11.76	35.279	5.00?
180	11.97	35.440	5.35?
270*	10.41	35.310	3.21
360	8.13	35.128	3.75
455*	6.66	35.030	4.22
545	5.39	35.011	5.22
640*	4.93	35.003	5.39
735	4.61	34.996	5.65
920*	4.22	34.983	5.94
1115	3.99	34.978	6.13
1310*	3.81	34.969	6.20
1520	3.72	34.968	6.26
1695	3.59	34.968	6.20
1875*	3.46	34.967	6.21
2060	3.35	34.964	6.21
2240*	3.18	34.960	6.20
2520	2.98	34.953	6.22
2800*	2.665	34.937	6.26
3085	2.41	34.925	6.32
3370*	2.29	34.913	6.33
3650	2.245	34.908	6.32
3935*	2.200	34.903	6.21

Station 5903; 19 April; 40° 00′ N. 66° 29′ W.; Depth 3495 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	pH
1	7.82	33.217	7.39	7.95
45	12.91	35.520	5.68	8.05
90	12.86	35.530	5.40	8.02
185	11.87	35.410	4.95	7.87
275*	10.91	35.405	3.24	—
370	8.74	35.132	3.29	7.81
465*	6.74	35.042	4.20	—
560	5.66	35.030	4.86	7.80
655*	4.98	35.037	5.40	—
755	4.66	35.010	5.67	7.87
945*	4.26	34.992	5.91	7.82
1145	4.05	34.986	6.08	7.78
1340*	3.82	34.985	6.20	8.04
1485*	3.76	34.970	6.20	7.78
1685	3.65	34.978	6.24	—
1885*	3.52	34.968	6.23	7.87
2080	3.41	34.968	6.20	—
2280*	3.25	34.962	6.21	7.86
2480	3.09	34.959	6.22	—
2675*	2.950	34.950	6.20	7.86
2975	2.70	34.960?	6.27	—
3275*	2.405	34.923	6.34	7.84
3470*	2.120	34.902	6.19	7.84

Station 5904; 19 April; 40° 19′ N. 66° 28′ W.; Depth 2940 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	7.79	33.324	7.46
45	13.62	35.730	5.55
95	13.28	35.656	5.56
185	11.82	35.428	4.37
280*	10.05	35.265	3.20
370	7.97	35.094	3.68
465*	6.39	35.029	4.49
555	5.31	34.995	5.11
645*	4.94	34.993	5.47
735	4.64	34.993	5.66
830*	4.47	34.996	5.79
925	4.39	34.995	5.85
1115*	4.00	34.976	6.11
1275*	3.86	34.969	6.19
1470	3.71	34.962	6.32
1660*	3.61	34.959	6.41
1855	3.50	34.962	6.29
2050*	3.38	34.966	6.26
2250	3.25	34.960	6.20
2445*	3.08	34.956	6.22
2645	2.870	34.944	6.22
2940*	2.700	34.935	6.34

Station 5905; 19 April; 40° 40′ N. 66° 30′ W.; Depth 2372 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	pH
1	6.10	32.970	7.52	7.80
50	8.14	34.140	6.29	7.90
100	10.93	35.119	6.59	7.98
200	9.59	35.203	3.28	7.60
300*	7.70	35.078	[illegible].69	7.55
395	6.26	35.016	4.48	7.55
495*	5.36	34.997	5.05	7.73
595	4.91	34.986	5.46	7.74
695*	4.46	34.965	5.86	7.84
795	4.33	34.961	5.94	7.85
895*	4.22	34.967	6.00	7.76
975*	4.14	34.960	6.12	7.74
1175	3.98	34.971	6.20	7.76
1375*	3.86	34.964	6.25	7.79
1570	3.73	34.955	6.27	7.87
1770*	3.65	34.956	6.32	7.88
2070	3.48	34.959	6.35	7.94
2370	3.26	34.966	6.29	7.97

Station 5906; 19 April; 40° 59′ N. 66° 30′ W.; Depth 185 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	4.01	32.289	7.04
50	4.31	32.912	6.75
95	6.82	33.933	5.79
145	8.92	34.892	4.61
165*	8.77	34.879	4.58

Station 5907; 20 April; 42° 34′ N. 64° 30′ W.; Depth 185 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	2.79	31.759	8.08
50	6.71	33.876	6.69
100	11.74	35.374	5.41
150	10.89	35.210	5.19
175*	9.18	34.950	4.26

Station 5908; 20 April; 42° 19′ N. 64° 31′ W.; Depth 1726 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	5.35	32.800	7.59
50	7.89	34.273	5.87
100	8.31	34.816	4.34
200	7.28	34.883	4.06
300*	5.71	34.812	4.65
400	5.08	34.853	5.04
495*	4.79	34.892	5.53
595	4.53	34.914	5.73
695*	4.36	34.926	5.91
795	4.24	34.943	6.01
995*	4.13	34.954	6.12
1195	3.98	34.954	6.16
1395*	3.85	34.954	6.24
1595	3.71	34.953	6.26
1695*	3.69	34.958	6.26

Station 5909; 20 April; 42° 00′ N. 64° 29′ W.; Depth 2250 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	4.20	32.221	7.94
40	5.62	33.349	7.21
80	7.88	34.249	5.98
165	8.34	34.826	4.45
250*	6.85	34.906	4.24
330	6.30	—	—
410*	5.23	34.936	5.08
495	4.78	34.928	5.46
580*	4.46	34.924	5.84
665	4.29	34.932	6.02
845*	4.08	34.938	6.12
1030	3.95	34.938	6.24
1225*	3.90	34.945	6.20
1455*	3.82	34.948	6.26
1655	3.70	34.956	6.26
1850	3.62	34.957	6.33
2050	3.47	34.956	6.24
2250*	3.34	34.956	6.24

Station 5910; 20 April; 41° 41′ N. 64° 30′ W.; Depth 2866 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	2.96	31.499	8.25
50	2.34	32.376	7.33
100	9.26	34.602	6.01
195	11.10	35.290	4.91
290*	8.18	35.032	3.66
390	6.78	35.022	4.21
485*	5.24	34.915	5.29
585	4.86	34.933	5.44
680*	4.54	34.957	5.86
780	4.39	34.957	5.95
875*	4.25	34.953	6.02
975	4.18	34.959	6.08
1170 *	3.96	34.958	6.21
1360	3.81	34.956	6.22
1555	3.74	34.954	6.26
1750*	3.64	34.954	6.26
1945	3.53	34.958	6.27
2145*	3.39	34.958	6.22
2340	3.21	34.955	6.25
2540*	3.06	34.950	6.26
2740	2.86	34.945	6.25
2840*	2.730	34.938	6.34

Station 5911; 21 April; 41° 21′ N. 64° 31′ W.; Depth 3374 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	3.45	31.756	8.00
50	5.63	33.665	5.93
100	11.38	35.289	5.51
200	10.53	35.284	3.74
300*	6.92	34.861	4.24
400	6.32	34.868	4.48
500*	5.23	34.888	5.32
600	4.87	34.924	5.34
700*	4.55	34.947	5.79
795	4.37	34.960	5.91
995*	4.15	34.959	6.07
1195	3.94	34.960	6.14
1395*	3.81	34.954	6.21
1685*	3.66	34.958	6.26
1880	3.57	34.960	6.26
2080*	3.46	34.958	6.27
2280	3.29	34.956	6.24
2475*	3.10	34.950	6.26
2775	2.85	34.943	6.27
3075*	2.64	34.934	6.29
3270	2.50	34.924	6.36
3370	2.440	34.920	6.34

Station 5912; 21 April; 41° 01′ N. 64° 31′ W.; Depth 3890 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	5.08	32.588	7.72
50	6.34	33.644	7.12
100	9.71	34.811	5.56
195	11.00	35.318	4.21
295*	7.40	34.867	4.26
395	6.52	34.917	4.32
495*	5.77	35.000	4.87
595	5.15	34.994	5.28
695*	4.73	34.981	5.61
795	4.52	34.983	5.71
990*	4.27	34.988	5.93
1190	4.04	34.978	6.12
1390*	3.85	34.974	6.20
1605*	3.69	34.966	6.27
1805	3.60	34.973	6.22
2005*	3.50	34.963	6.22
2200	3.37	34.967	6.24
2400*	3.23	34.961	6.16
2595	3.06	34.958	6.19
2795*	2.91	34.951	6.22
2995	2.75	34.938	6.31
3295*	2.495	34.927	6.31
3590	2.320	34.915	6.42
3890*	2.200	34.905	6.34

Station 5913; 21 April; 40° 29′ N. 64° 30′ W.; Depth 4442 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	12.35	35.149	6.58
50	12.92	35.515	5.81
100	12.49	35.483	5.58
195	11.72	35.426	4.56
295*	9.04	35.171	3.26
390	7.12	35.054	3.99
490*	5.39	34.965	5.02
585	5.14	35.010	5.31
685*	4.76	35.006	5.58
780	4.48	35.000	5.74
980*	4.19	34.987	5.98
1175	3.98	34.972	6.15
1370*	3.81	34.967	6.18
1565*	3.70	34.964	6.20
1760	3.60	34.970	6.26
2050*	3.41	34.966	6.20
2345	3.19	34.961	6.19
2635*	2.98	34.950	6.21
2930	2.73	34.938	6.24
3225*	2.53	34.927	6.31
3620	2.35	34.910	6.22
4015*	2.265	34.904	6.25
4310	2.225	34.900	6.21
4410*	2.225	34.896	6.12

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 5914; 21 April; 39° 58′ N. 64° 30′ W.; Depth 4746 m.			
1	13.03	35.146	6.61
90	11.95	35.376	5.46
185	11.16	35.353	4.26
275	8.69	35.120	3.32
365*	6.91	35.043	4.11
460	5.62	34.996	4.87
555*	5.05	35.008	5.34
650	4.64	35.013	5.64
740*	4.44	34.990	5.75
935	4.13	34.983	6.05
1125*	3.92	34.981	6.14
1315	3.76	34.970	6.21
1510*	3.66	34.965	6.24
1585*	3.62	34.965	6.21
1775	3.55	34.969	6.20
1965*	3.44	34.972	6.34
2255	3.23	34.957	6.15
2545*	3.02	34.951	6.24
2835	2.80	34.940	6.21
3125*	2.57	34.925	6.26
3515	2.35	34.912	6.22
3910	2.265	34.901	6.19
4305	2.250	34.898	6.15
4505	2.245	34.899	6.13
4700*	2.265	34.899	6.11
Station 5915; 22 April; 39° 29′ N. 64° 32′ W.; Depth 4848 m.			
1	12.88	35.256	6.75
95	11.98	35.388	5.52
185	11.46	35.384	4.24
280	8.86	35.124	3.40
375	7.12	35.026	3.96
465	6.08	35.010	4.55
560*	5.40	35.002	4.99
655	4.96	34.997	5.35
750*	4.76	35.001	5.52
940	4.32	34.988	5.87
1135*	4.13	34.985	5.96
1325	3.90	34.970	6.12
1520*	3.80	34.967	6.18
1605*	3.79	34.964	5.87?
1795	3.71	34.968	6.21
2085*	3.56	34.965	6.19
2375	3.35	34.963	6.14
2665*	3.04	34.959	6.15
2945	2.75	34.935	6.24
3240*	2.52	34.926	6.20
3640	2.34	34.908	6.18
4035*	2.275	34.898	6.15
4430	2.260	34.898	6.08
4630	2.25	34.896	6.12
4830*	2.27	34.897	6.06

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 5916; 22 April; 39° 02′ N. 64° 27′ W.; Depth 4955 m.			
1	11.64	34.018	6.79
95	11.82	35.251	5.55
190	11.04	35.310	4.59
280	9.22	35.139	3.46
375*	7.96	35.064	3.56
470	6.30	35.063	4.55
560*	5.26	35.000	5.35
655	4.88	35.008	5.47
750*	4.54	34.983	5.71
935	4.26	34.988	5.93
1125*	4.02	34.973	6.12
1315	3.86	34.964	6.18
1510*	3.78	34.967	6.22
1565*	3.71	34.965	6.24
1760	3.61	34.968	6.18
1960*	3.49	34.976	6.18
2255	3.25	34.964	6.20
2555*	3.11	34.982?	6.18
2855	2.86	34.951	6.18
3155*	2.65	34.933	6.22
3450	2.450	34.924	6.24
3735*	2.350	34.914	6.24
4010	2.305	34.914	6.20
4385	2.285	34.907	6.18
4755*	2.295	34.901	6.12
Station 5917; 23 April; 38° 30′ N. 64° 37′ W.; Depth 4993 m.			
1	22.70	36.254	4.95
100	20.11	36.596	4.50
195	18.18	36.480	4.21
295	17.62	36.426	4.49
385*	16.50	36.217	3.89
475	14.43	35.899	3.82
555*	11.85	35.498	3.33
630	10.08	35.292	3.33
715*	8.34	35.125	3.49
845	5.72	35.032	4.82
1035*	4.78	35.003	5.54
1205	4.42	34.993	5.80
1395*	4.09	34.984	6.04
1765*	3.74	34.965	6.36
1930	3.67	34.970	6.19
2090*	3.56	34.972	6.14
2255	3.43	34.966	6.14
2495*	3.20	34.956	—
2745	3.01	34.954	6.16
2990*	2.84	34.944	6.17
3245	2.64	34.928	6.20
3505*	2.400	34.920	6.19
3850	2.365	34.911	6.17
4210	2.320	34.905	6.19
4565	2.295	34.900	6.13

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 5918; 23 April; 38° 01′ N. 64° 30′ W.; Depth 4993 m.			
1	21.88	36.474	5.02
100	19.19	36.563	5.08
195	18 27	36.529	4.87
295	17.96	36.511	4.96
395*	17.85	36.499	4.92
495	17.45	36.415	4.58
595*	15.73	36.096	4.00
690	14.01	35.829	3.76
790*	11.62	35.483	3.36
990	7.37	35.057	3.97
1190*	5.23	35.026	5.25
1385	4.45	35.001	5.79
1585*	4.10	34.979	5.99
1700*	3.98	34.968	6.09
1900	3.82	34.967	6.16
2095*	3.69	34.964	6.36
2395	3.53	34.968	6.14
2690*	3.29	34.963	6.17
2990	3.02	34.952	6.17
3290*	2.76	34.938	6.26
3685	2.48	34.923	6.21
4085*	2.340	34.917	6.17
4480	2.315	34.906	6.17
4880	2.310	34.898	6.20
4980*	2.315	34.899	—
Station 5919; 23 April; 37° 30′ N. 64° 30′ W.; Depth 5010 m.			
1	18.98	36.559	5.35
100	18.71	36.542	5.24
200	18.36	36.542	4.98
295	18.18	36.514	5.02
395*	18.07	36.524	4.98
495	17.64	36.447	4.78
595*	16.38	36.209	4.43
695	14.98	35.954	3.82
795*	12.86	35.654	3.66
995	8.21	35.133	3.71
1190*	5.42	35.026	5.07
1390	4.40	34.973	5.86
1590*	4.23	34.990	5.93
1710*	4.06	34.978	6.09
2110	3.74	34.967	6.16
2510*	3.48	34.967	6.16
2910	3.16	34.958	6.13
3310*	2.78	34.939	6.15
3610	2.53	34.928	6.20
3910*	2.40	34.917	6.21
4210	2.34	34.916	6.15
4510*	2.305	34.905	6.11
4810	2.295	34.905	6.14
4910	2.31	34.901	6.09
5010*	2.32	34.900	—

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 5920; 24 April; 36° 59′ N. 64° 31′ W.; Depth 4934 m.			
1	19.11	36.583	5.41
95	18.64	36.564	5.03
195	18.38	36.551	4.98
290	18.19	36.526	4.93
380*	17.83	36.454	4.63
475	17.36	36.386	4.62
575*	16.27	36.198	4.42
670	14.46	35.893	3.76
760*	12.54	35.606	3.49
955	8.03	35.117	3.72
1145*	5.31	35.011	5.29
1335	4.57	35.007	5.72
1530*	4.16	34.990	6.02
1695*	4.01	34.989	6.13
1875	3.86	34.984	6.15
2150*	3.65	34.980	6.31
2425	3.45	34.970	6.17
2700*	3.26	34.962	6.13
2980	2.99	34.954	6.11
3260*	2.77	34.944	6.16
3635	2.48	34.924	6.15
4015*	2.325	34.915	6.24
4405	2.295	34.906	6.13
4600	2.285	34.901	6.10
4800*	2.300	34.900	6.05
Station 5921; 24 April; 36° 29′ N. 64° 32′ W.; Depth 4931 m.			
1	19.15	36.580	5.30
90	18.73	36.569	5.04
170	18.23	36.530	4.93
255	17.94	36.502	4.86
335*	17.34	36.387	4.65
415	16.16	36.174	4.69
490*	14.14	35.810	4.32
560	12.53	35.626	3.44
630*	10.70	35.364	3.29
765	7.87	35.090	3.63
905*	5.91	35.036	4.74
1060	5.11	35.032	5.27
1225*	4.52	35.013	5.71
1045*	5.16	35.029	5.27
1220	4.62	35.010	5.65
1405*	4.17	34.987	5.97
1590	3.99	34.980	6.10
1775*	3.79	34.969	6.15
1965	3.68	34.979	6.10
2220*	3.49	34.972	6.15
2485	3.24	34.964	6.11
2770*	3.025	34.956	6.11
3085	2.710	34.937	6.24
3325	2.565	34.930	6.20
3410*	2.510	34.925	6.17

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 5922; 24 April; 35° 59′ N. 64° 33′ W.; Depth 4856 m.			
1	18.47	36.353	5.56
100	16.93	36.298	4.92
200	14.35	35.807	4.12
300	12.40	35.568	3.43
395*	10.21	35.289	3.22
495	8.44	35.114	3.39
595*	6.96	35.058	4.03
695	5.98	35.037	4.74
795*	5.34	35.048	5.16
995	4.48	35.000	5.75
1190*	4.13	34.984	6.03
1390	3.92	34.972	6.13
1590*	3.75	34.967	6.21
1745*	3.68	34.966	6.21
1940	3.54	34.969	6.17
2140*	3.46	34.989?	6.15
2440	3.21	34.984?	6.09
2735*	2.97	34.949	6.16
3030	2.73	34.941	6.14
3330*	2.51	34.932	6.17
3625	2.38	34.918	6.13
3925*	2.305	34.913	6.13
4320	2.285	34.902	6.15
4715′	2.295	34.901	6.06
4815*	2.30	34.896	6.08
Station 5923; 25 April; 35° 28′ N. 64° 22′ W.; Depth 4956 m.			
1	20.35	36.560	5.13
100	18.24	36.536	5.21
195	17.77	36.420	5.09
290	17.60	36.422	4.78
385*	16.75	36.271	4.17
480	14.92	35.969	3.70
570*	12.93	35.672	3.47
655	10.32	35.303	3.22
745*	8.45	35.131	3.45
920	5.75	35.026	4.81
1095*	4.75	35.018	5.54
1275	4.38	35.003	5.81
1465*	4.10	34.983	6.00
1605*	3.95	34.970	6.08
1790	3.79	34.966	6.16
2070*	3.61	34.966	6.20
2355	3.44	34.966	—
2640*	3.19	34.960	—
2930	2.93	34.946	6.13
3220*	2.72	34.934	6.16
3510	2.53	34.925	6.19
3905*	2.345	34.912	6.16
4295	2.300	34.902	6.21
4495	2.295	34.899	6.13
4695*	2.300	34.899	6.15

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 5924; 25 April; 34° 58′ N. 64° 28′ W.; Depth 4944 m.			
1	19.31	36.577	5.38
100	18.59	36.548	5.00
195	18.25	36.537	5.00
295	18.18	36.526	4.99
390*	17.97	36.490	4.80
490	17.49	36.405	4.55
565*	16.23	36.179	4.20
680	14.55	35.900	3.92
780*	12.40	35.578	3.40
970	8.08	35.089	3.54
1160*	5.19	34.997	5.19
1355	4.52	34.988	5.67
1550*	4.23	34.990	5.98
1745*	3.95	34.970	6.13
1935	3.79	34.967	6.16
2120*	3.66	34.968	6.21
2305	3.53	34.967	6.11
2590*	3.34	34.963	6.11
2870	3.06	34.945	6.10
3150*	2.810	34.937	6.17
3430	2.600	34.926	6.21
3715*	2.410	34.914	6.20
3995	2.345	34.909	6.16
4380	2.315	34.902	6.14
4765*	2.325	34.909	6.13
Station 5925; 25 April; 33° 58′ N. 64° 28′ W.; Depth 4535 m.			
1	19.82	36.623	5.32
100	18.83	36.565	5.16
195	18.49	36.537	4.81
295	18.34	36.543	5.15
390*	18.23	36.538	4.98
485	17.96	36.489	4.78
585*	17.52	36.411	4.74
685	16.60	36.249	4.25
780*	14.28	35.821	4.55
980	9.68	35.226	3.20
1175*	6.07	35.032	4.74
1375	4.74	35.009	5.81
1570*	4.30	34.993	5.92

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 5926; 26 April; 32° 55′ N. 64° 27′ W.; Depth 4445 m.			
1	19.74	36.608	5.30
90	18.82	36.571	5.16
190	18.52	36.570	5.05
265	18.32	36.532	5.05
355	18.18	36.508	4.93
440	17.92	36.468	4.80
530*	17.30	36.380	4.68
620	16.23	36.186	4.15
705*	14.60	35.924	3.92
795	12.42	35.596	3.67
980*	8.03	35.138	3.85
1170	5.85	35.079	4.86
1365*	4.74	35.034	5.59
1580*	4.25	35.004	5.90
1775	3.93	34.986	6.09
1975*	3.80	34.982	6.16
2170	3.61	34.985	6.13
2370*	3.44	34.972	6.13
2665	3.175	34.963	6.12
2960*	2.92	34.950	6.13
3255	2.65	34.934	6.19
3655*	2.370	34.921	6.19
4050	2.250	34.903	6.11
4345	2.245	34.899	6.01
4445*	2.250	34.900	6.09
Station 5927; 4 May; 38° 56′ N. 65° 12′ W.; Depth 4870 m.			
1	13.12	35.170	6.40
50	12.04	35.156	6.20
100	11.90	35.202	5.73
150	11.40	35.336	4.74
200*	10.87	35.338	3.53
300	8.42	35.100	3.33
400*	6.47	35.032	4.34
500	5.49	35.017	4.91
600*	4.99	35.016	5.29
700	4.63	35.014	5.62
800*	4.38	34.991	5.77
900	4.24	34.993	5.88
1000*	4.13	34.988	5.95
1200	3.90	34.976	6.10
1395*	3.76	34.970	6.14
1585*	3.67	34.973	6.15
1880	3.53	34.970	6.14
2180*	3.29	34.964	6.09
2480	3.04	34.957	6.14
2775*	2.81	34.940	6.16
3075	2.59	34.935	6.16
3375*	2.43	34.927	6.17
3675	2.320	34.917	6.15
4070*	2.275	34.907	6.15
4470	2.270	34.902	6.08
4870*	2.285	34.903	6.02
Station 5928; 5 May; 38° 37′ N. 65° 02′ W.; Depth 4887 m.			
1	22.61	37.420?	5.00
45	20.40	35.980	5.22
95	15.60	35.647	5.43
140	13.59	36.007	4.09
180*	12.29	35.685	4.56
265	11.39	35.427	3.32
345*	9.42	35.169	3.44
430	8.07	35.065	3.39
510	—	34.968	5.43
590	5.49	34.999	4.91
670*	5.06	35.027	5.27
755	4.81	35.018	5.45
845*	4.61	35.014	5.60
1030	4.21	34.986	5.97
1230*	4.00	35.009	5.29
1625*	3.72	34.971	6.20
1910	3.59	34.969	6.16
2195*	3.38	34.968	6.19
2475	3.15	34.959	6.14
2760*	2.93	34.947	6.20
3040	2.66	34.942	6.15
3330*	2.50	34.924	6.20
3705	2.315	34.911	6.15
4090*	2.275	34.906	6.11
4475	2.285	34.904	6.20
4870*	2.285	34.911	6.09
Station 5929; 5 May; 38° 18′ N. 64° 56′ W.; Depth 4940 m.			
1	22.91	36.444	4.83
50	22.95	36.448	4.86
100	20.88	36.635	4.59
150	19.14	36.560	4.25
200*	18.30	36.501	4.37
300	17.93	36.522	4.90
395*	17.77	36.501	4.95
495	16.39	36.210	4.14
590*	14.31	35.860	3.44
690	10.86	—	3.26
785*	8.54	35.128	3.35
880	6.37	35.024	4.36
975*	5.42	35.031	5.04
1170	4.57	34.996	5.66
1365*	4.23	34.985	5.84
1645*	3.91	34.972	6.24
1905	3.76	34.965	6.02
2165*	3.59	34.967	6.10
2420	3.43	34.981	6.08
2680*	3.19	34.960	6.14
2945	2.95	34.949	6.14
3215*	2.735	34.940	6.09
3575	2.460	34.925	6.14
3940*	2.335	34.914	6.10
4315	2.290	34.906	6.08
4690*	2.280	34.903	6.02
Station 5930; 5 May; 37° 58′ N. 64° 53′ W.; Depth 4954 m.			
1	20.72	36.533	5.06
50	19.40	36.544	5.16
100	18.47	36.555	5.10
150	18.25	36.525	4.95
195*	18.19	36.535	5.01
295	18.00	36.508	4.85
395*	17.85	36.541	4.85
495	17.50	36.412	4.53
590*	16.14	36.164	4.04
690	14.66	35.920	3.74
790*	11.96	35.526	3.39
890	9.12	35.153	3.06
985*	7.77	35.105	3.75
1185	5.37	35.030	5.00
1380*	4.56	35.005	5.62
1375*	4.49	35.003	5.94
1675	4.03	34.974	6.07
1970*	3.76	34.968	6.18
2270	3.58	34.966	6.14
2565*	3.39	34.964	6.10
2965	3.050	34.953	6.11
3360	—	34.988?	6.22
3755	2.425	34.920	6.19
4150*	2.315	34.910	6.14
4550	2.295	34.908	6.13
4945*	2.285	35.346?	5.51?
Station 5931; 9 May; 38° 16′ N. 65° 02′ W.; Depth 4932 m.			
1	22.52	36.505	4.90
40	22.40	36.509	4.95
80	21.41	36.635	4.79
120	20.66	36.634	4.67
160*	19.07	36.546	5.06
240	18.07	36.504	4.83
320*	17.78	36.478	4.68
400	17.61	36.430	4.50
435*	17.17	36.344	4.30
515	16.26	36.182	3.97
595*	14.05	35.837	3.76
670	11.80	35.505	3.44
745*	9.82	35.226	3.17
920	6.14	35.031	4.46
1100*	4.53	34.973	5.65
1320*	4.28	34.978	5.84
1570	4.05	34.968	6.05
1815*	3.86	34.978	6.09
2065	3.66	34.969	6.14
2315*	3.50	34.971	6.11
2575	3.28	34.965	6.08
2840*	3.04	34.955	6.10
3215	2.715	34.936	6.16
3600*	2.430	34.920	6.15
3975	2.315	34.912	6.11
4355*	2.290	34.905	6.09

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 5932; 9 May; 38° 30′ N. 65° 02′ W.; Depth 4910 m.			
1	22.26	36.498	4.90
45	22.18	36.506	4.97
85	21.47	36.540	4.80
130	20.31	36.614	4.53
165*	18.89	36.537	4.42
245	17.89	36.471	4.50
320*	17.13	36.350	4.28
390	15.32	36.069	3.84
460*	14.10	35.834	3.53
525	11.78	35.486	3.15
585*	10.00	35.291	3.23
640	8.50	35.116	3.36
695*	7.44	35.063	3.69
815	5.56	35.026	4.83
935*	4.70	34.970	5.49
1125*	4.36	34.987	6.09
1345	4.14	34.986	5.95
1560*	3.92	34.980	6.03
1770	3.71	34.969	6.08
1975*	3.62	34.974	6.10
2215	3.48	34.970	6.09
2540*	3.20	34.961	6.11
2830	2.915	34.949	6.10
3115*	2.680	34.937	6.11
3385	2.525	34.926	6.16
3650*	2.395	34.918	6.14
Station 5933; 11 May; 38° 29′ N. 64° 42′ W.; Depth 4982 m.			
1	21.84	36.554	5.25
45	20.80	36.537	5.08
90	19.71	36.581	4.57
135	18.65	36.542	4.87
180*	18.18	36.527	5.02
265	17.98	36.526	4.92
355*	17.88	36.519	5.01
445	16.82	36.283	4.12
535*	14.60	35.910	3.63
625	12.14	35.530	3.14
715*	9.47	35.221	3.27
800	7.74	35.097	3.70
890*	5.90	35.043	4.74
1075	4.55	34.969	5.66
1260*	4.32	34.990	5.86
1580*	3.94	34.977	6.08
1835	4.00	34.970	6.17
2090*	3.58	34.970	6.16
2350	3.41	34.965	6.15
2615*	3.18	34.967	6.15
2965	2.86	34.945	6.20
3325*	2.54	34.929	6.24
3670	2.220?	34.914	6.16
4025*	2.245	34.906	6.11
4330	2.240	34.903	6.15
4635*	2.285	34.899	6.09
Station 5934; 11 May; 38° 18′ N. 64° 35′ W.; Depth 4989 m.			
1	19.15	36.583	5.35
50	18.86	36.580	5.30
100	18.81	36.582	5.21
145	18.46	36.536	5.03
195*	18.23	36.533	4.96
295	17.99	36.512	4.92
390*	17.61	36.442	4.68
490	16.72	36.265	4.28
580*	14.72	35.928	3.81
675	13.20	35.704	3.62
770*	11.05	35.416	3.35
860	8.83	35.155	3.38
950*	6.89	35.076	4.16
1140	4.83	34.991	5.45
1330*	4.40	34.987	5.79
1640*	4.08	34.987	6.09
1900	3.88	34.974	6.10
2155*	3.66	34.978	6.10
2415	3.45	34.970	6.09
2675*	3.25	34.963	6.11
2950	2.99	34.950	6.09
3305*	2.60	34.932	6.16
3665	2.395	34.916	6.15
4020*	2.320	34.911	6.15
4385	2.300	34.907	6.24
4755*	2.290	34.901	6.09
Station 5935; 12 May; 38° 30′ N. 64° 23′ W.; Depth 4995 m.			
1	19.46	36.543	5.40
45	18.41	36.540	5.30
90	18.35	36.537	5.18
130	18.34	36.541	5.18
175*	18.34	36.536	5.13
265	18.01	36.492	4.91
355*	17.66	36.440	4.74
440	17.04	36.322	4.51
520*	15.22	35.989	4.20
605	13.40	35.709	3.97
685*	11.46	35.462	3.35
770	9.25	35.200	3.34
855*	7.77	35.099	3.71
1035	4.87	34.982	5.44
1215*	4.42	34.973	5.82
1675*	3.91	34.973	6.11
1945	3.73	34.971	6.17
2215*	3.52	34.963	6.15
2490	3.32	34.960	6.14
2765*	3.07	34.951	6.14
3125	2.71	34.936	6.19
3480*	2.41	34.916	6.17
3845	2.290	34.909	6.13
4205*	2.265	34.903	6.10
4580	2.295	34.899	6.15
4960*	2.340	34.899	6.11
Station 5936; 13 May; 38° 18′ N. 64° 26′ W.; Depth 4994 m.			
1	20.60	36.556	5.13
45	19.66	36.554	5.14
95	18.93	36.553	5.01
140	18.38	36.526	4.86
185*	18.21	36.519	4.89
280	17.99	36.501	4.84
370*	17.66	36.444	4.78
460	17.09	36.342	4.52
545*	15.84	36.102	4.15
635	14.16	35.846	3.92
720*	12.05	35.537	3.47
805	9.90	35.267	3.27
890*	8.01	35.112	3.66
1075	5.36	35.020	5.07
1255*	4.63	35.001	5.60
1530*	4.17	34.987	3.36
1795	3.89	34.967	5.93
2055*	3.69	34.968	6.11
2320	3.55	34.972	6.05
2590*	3.33	34.966	6.09
2960	3.04	34.953	6.11
3330*	2.66	34.932	6.24
3690	2.465	34.921	6.19
4055*	2.330	34.908	6.10
4420	2.300	34.903	6.24
4790*	2.300	34.908	6.30
Station 5937; 15 May; 39° 14′ N. 64° 08′ W.; Depth 4935 m.			
1	17.25	35.167	5.84
50	13.28	35.196	5.93
100	12.66	35.291	5.54
150	11.23	35.182	5.13
200*	11.32	35.290	4.78
300	9.53	35.199	3.12
400*	7.63	35.068	3.62
495	5.98	35.009	4.62
595*	5.26	35.003	5.14
695	4.80	35.004	5.52
795*	4.57	34.996	5.71
895	4.34	34.986	5.87
995*	4.17	34.982	5.78
1195	3.95	34.967	6.11
1390*	3.80	34.963	6.24
1470*	3.75	34.963	6.26
1770	3.63	34.967	6.21
2065*	3.43	34.964	6.24
2365	3.24	34.955	6.21
2665*	3.04	34.953	6.19
2960	2.78	34.936	6.25
3355	2.52	34.931	6.24
3750	2.350	34.911	6.20
4145*	2.295	34.900	6.14
4540	2.290	—	6.11
4935*	2.295	34.896	6.09

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 5938; 15 May; 38° 55′ N. 64° 18′ W.; Depth 4993 m.			
1	23.67	—	—
50	23.52	—	—
100	21.55	—	—
145	19.33	—	—
195*	17.14	—	—
285	13.46	—	—
380*	11.42	—	—
465	9.05	—	—
550*	7.49	—	—
645	6.19	—	—
735	5.10	—	—
825	4.63	34.992	—
915*	4.48	34.984	—
1110	4.31	35.000	—
1305*	3.99	34.979	—
1300*	4.00	34.986	—
1565	3.83	34.970	—
1835*	3.61	34.967	—
2200	3.36	34.969	—
2575*	3.05	34.956	—
2955	2.75	34.947	—
3340*	2.465	34.926	—
3710	2.320	34.914	—
4085*	2.240	34.906	—
4470	2.270	34.904	—
4860*	2.270	34.956?	—
Station 5939; 16 May; 38° 34′ N. 64° 18′ W.; Depth 4991 m.			
1	23.82	36.410	4.86
50	23.73	36.413	4.80
95	21.16	36.538	4.55
145	19.33	36.565	4.72
190*	18.54	36.522	5.13
285	17.36	36.348	5.03
375*	16.30	36.151	4.85
465	14.73	35.932	3.57
555*	12.65	35.630	3.53
645	10.73	35.370	3.32
735*	8.59	35.098	3.33
820	6.94	35.056	4.10
900*	5.80	35.023	4.76
1085	4.71	34.998	4.93
1275*	4.36	34.996	5.94
1630*	3.89	34.971	6.13
1865	3.81	34.972	6.24
2095*	3.63	34.979	6.15
2330	3.41	34.967	6.13
2565*	3.25	34.964	6.14
2880	3.02	34.953	6.13
3200*	2.74	34.940	6.20
3520	2.530	34.928	6.20
3835*	2.385	—	5.93
4175	2.325	34.910	6.14
4520*	2.305	34.904	6.19

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml./.
Station 5940; 18 May; 38° 55′ N. 64° 00′ W.; Depth —			
1	18.74	34.732	5.50
45	16.44	34.462	5.80
85	18.00	36.013	4.34
130	13.93	35.258	4.77
170*	13.47	35.439	4.33
245	12.13	35.534	3.10
315*	9.96	35.229	3.62
390	8.38	35.087	3.39
465*	7.77	35.102	3.75
540	6.45	35.017	4.38
605*	5.69	35.031	4.94
685	5.22	35.017	5.19
760*	4.88	35.013	5.56
930	4.41	34.998	5.81
1110*	4.10	34.977	5.99
1060*	4.21	34.993	6.05
1335	3.91	34.973	6.13
1615*	3.66	34.966	6.18
1930	3.49	34.970	6.18
2240*	3.30	34.961	6.18
2515	3.10	34.961	6.15
2790*	2.87	34.950	6.19
3080	2.800	34.940	6.28
3375*	2.520	34.925	6.23
Station 5941; 19 May; 39° 01′ N. 64° 08′ W.; Depth 4650 m.			
1	19.03	35.368	5.60
50	16.16	35.274	5.56
95	10.53	34.798	5.37
145	10.62	35.023	5.05
190*	10.86	35.240	3.93
290	8.93	35.112	3.34
385*	7.35	35.047	3.79
480	5.73	35.001	4.79
575*	5.13	35.006	5.24
665	4.91	35.022	5.51
760*	4.55	35.003	5.81
855	4.36	34.992	5.82
955*	4.21	34.985	5.94
1150	3.98	34.975	6.09
1350*	3.83	34.971	6.17
1305*	3.88	34.968	6.19
1600	3.70	34.975	6.18
1895*	3.54	34.969	6.19
2185	3.29	34.961	6.17
2480*	3.10	34.956	6.17
2770	2.79	34.939	6.18
3065*	2.55	34.930	6.28
3460	2.355	34.914	6.22
3850*	2.255	34.901	6.14
4250	2.250	34.900	6.13
4645*	2.300	34.897	6.08

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 5942; 26 May; 32° 57′ N. 62° 02′ W.; Depth —			
1	21.09	36.539	—
50	19.36	36.553	—
100	18.72	36.559	—
150	18.38	36.536	—
200*	18.15	36.516	—
300	17.94	36.503	—
400*	17.66	36.449	—
500	15.89?	36.343	—
595*	15.70	36.086	—
695	13.82	35.786	—
795*	11.50	35.467	—
895	9.21	35.193	—
995*	7.34	35.106	—
1195	5.09	35.021	—
1395*	4.52	35.019	—
1575*	4.18	34.992	—
1870	3.85	34.973	—
2170*	3.60	34.969	—
2465	3.34	34.966	—
2760*	3.14	34.958	—
3060	2.845	34.943	—
3355*	2.585	34.928	—
3655	2.410	34.914	—
4050*	2.300	34.908	—
4445	2.270	34.899	—
4840*	2.300	34.894	—

Depth, meters	Temperature, °C	Salinity, ‰
Station 5943; 26 May; 33° 30′ N. 61° 57′ W.; Depth 4717 m.		
1	21.50	36.580
50	19.18	36.590
100	18.86	36.571
150	18.43	36.548
200*	18.29	36.538
300	18.09	36.515
400*	17.94	36.513
495	17.52	36.413
595*	16.72	36.264
695	14.71	35.930
795*	12.47	35.614
895	9.93	35.276
995*	8.01	35.142
1195	5.58	35.081
1390*	4.57	35.016
1605*	4.11	34.990
1895	3.85	34.976
2185*	3.60	34.975
2475	3.39	34.971
2770*	3.12	34.960
3065	2.830	34.946
3360*	2.555	34.929
3655	2.370	34.917
3950*	2.290	34.908
4245	2.265	34.904
4635*	2.260	34.899
Station 5944; 27 May; 34° 02′ N. 61° 55′ W.; Depth 4670 m.		
1	21.00	36.566
45	19.41	36.584
85	18.97	36.573
130	18.36	36.530
170*	18.19	36.515
255	18.06	36.510
340*	17.81	36.480
425	17.45	36.408
505*	16.48	36.234
590	15.16	35.997
670*	13.35	35.720
750	11.22	35.436
830*	9.19	35.212
1000	6.07	35.030
1170*	4.91	35.010
1425*	4.32	35.014
1710	3.95	34.981
1990*	3.69	34.973
2275	3.48	34.973
2565*	3.28	34.965
2860	2.99	34.958
3150*	2.75	34.938
3445	2.505	34.926
3825*	2.320	34.916
4220	2.275	34.906
4615*	2.270	34.896

Depth, meters	Temperature, °C	Salinity, ‰
Station 5945; 27 May; 34° 32′ N. 62° 05′ W.; Depth 5000 m.		
1	20.95	36.546
50	19.29	36.543
100	18.57	36.496
150	17.77	36.429
195*	17.50	36.408
295	16.96	36.306
395*	15.69	36.057
495	14.34	35.851
590*	12.55	35.596
690	10.64	35.345
790*	8.55	35.140
890	7.16	35.066
985*	5.84	35.040
1185	4.84	35.028
1380*	4.37	35.007
1620*	4.00	34.982
1915	3.78	34.971
2210*	3.55	34.970
2510	3.33	34.966
2805*	3.10	34.957
3105	2.84	34.943
3400*	2.565	34.926
3800	2.365	34.913
4200*	2.285	34.903
4600	2.295	34.896
5000*	2.315	34.886
Station 5946; 27 May; 34° 56′ N. 61° 56′ W.; Depth 4658 m.		
1	21.08	36.546
40	19.73	36.535
85	18.85	36.537
125	18.48	36.537
165*	18.24	36.524
250	18.02	36.533
335*	17.84	36.514
420	17.48	36.422
505*	16.39	36.210
600	14.62	35.868
690*	12.86	35.633
785	10.50	35.328
875*	8.19	35.105
1070	5.44	35.017
1265*	4.88	35.056
1355*	4.58	35.049
1550	4.15	34.999
1750*	3.87	34.984
2045	3.62	34.980
2345*	3.40	34.972
2640	3.13	34.966
3035*	2.700	34.946
3430	2.405	34.921
3825*	2.285	—
4220	2.270	34.904
4615*	2.250	34.896

Depth, meters	Temperature, °C	Salinity, ‰
Station 5947; 28 May; 35° 27′ N. 62° 00′ W.; Depth 4797 m.		
1	21.27	36.366
45	19.13	36.544
90	18.57	36.554
130	18.39	36.545
175*	18.31	36.541
260	17.98	36.549
345*	17.71	36.467
430	17.24	36.361
510*	16.30	36.215
595	14.35	35.859
680*	12.87	35.650
760	10.53	35.342
845*	8.31	35.124
1025	5.79	35.033
1215*	4.79	35.013
1520*	4.09	34.990
1800	3.86	34.974
2085*	3.66	34.975
2375	3.43	34.973
2670*	3.15	34.962
2970	2.91	34.949
3260*	2.64	34.936
3645	2.420	34.922
4015*	2.310	34.911
4400	2.280	34.905
4790*	2.285	34.900
Station 5948; 28 May; 35° 57′ N. 62° 02′ W.; Depth 5035 m.		
1	20.58	36.508
50	19.73	36.554
100	18.62	36.533
150	18.22	36.518
195*	18.08	36.513
295	17.88	36.506
395*	17.42	36.403
495	16.13	36.181
590*	13.99	35.834
690	11.46	35.462
790*	8.98	35.171
890	6.96	35.039
985*	5.79	35.043
1185	4.75	35.025
1380*	4.38	35.019
1535*	4.10	35.013
1820	3.81	34.980
2110*	3.62	35.011
2400	3.42	34.989
2685*	3.18	34.979
2975	2.915	34.995
3355*	2.600	34.945
3740	2.410	34.934
4125*	2.325	34.927
4510	2.305	34.913
4890*	2.315	34.959?

Depth, meters	Temperature, °C	Salinity, ‰
Station 5949; 28 May; 36° 27′ N. 62° 00′ W.; Depth 5020 m.		
1	20.83	36.507
45	20.08	36.554
90	18.92	36.562
140	18.40	36.543
185*	18.13	36.532
280	17.94	36.527
370*	17.74	36.489
465	17.10	36.375
560*	15.26	36.028
655	12.97	35.670
750*	10.54	35.342
850	8.58	35.156
945*	6.64	35.053
1140	4.84	35.105
1335*	4.52	35.020
1550*	4.13	35.028
1840	3.85	34.984
2130*	3.62	35.004
2415	3.36	34.977
2700*	3.10	34.965
2990	2.82	34.972
3370*	2.51	34.935
3750	2.340	34.933
4125*	2.290	34.921
4510	2.280	34.915
4890*	2.270	34.903
Station 5950; 29 May; 37° 02′ N. 62° 03′ W.; Depth 5029 m.		
1	22.25	36.372
50	19.79	36.556
100	18.89	36.569
150	18.47	36.549
200*	18.27	36.543
300	18.09	36.538
400*	17.82	36.499
495	17.33	36.398
595*	16.10	36.163
695	14.38	35.886
795*	12.17	35.560
895	9.79	35.616?
995*	7.77	35.107
1195	4.99	34.983
1390*	4.47	34.999
1660*	4.08	34.987
1955	3.83	34.976
2250*	3.61	34.981
2545	3.43	34.975
2840*	3.21	34.970
3135	2.93	34.957
3435*	2.68	34.947
3830	2.430	34.931
4220*	2.330	34.927
4615	2.300	34.911
5010*	2.295	34.905

Depth, meters	Temperature, °C	Salinity, ‰
Station 5951; 29 May; 37° 32′ N. 62° 00′ W.; Depth 5070 m.		
1	22.48	36.418
50	20.85	36.530
100	19.16	36.573
150	18.61	36.569
200*	18.40	36.554
300	18.07	36.529
395*	17.88	36.515
495	17.50	36.430
595*	16.50	36.239
695	14.82	35.949
795*	12.55	35.623
895	9.99	35.284
995*	7.97	35.134
1190	5.07	35.018
1390*	4.54	35.020
1490*	4.37	35.015
1790	3.98	34.996
2090*	3.75	35.019
2385	3.52	34.991
2685*	3.27	34.993
3085	2.91	34.957
3480*	2.59	34.943
3880	2.350	34.930
4275*	2.300	34.913
4675	2.325	34.914
5070*	2.340	34.913
Station 5952; 29 May; 38° 02′ N. 62° 01′ W.; Depth 4590 m.		
1	22.90	36.435
50	22.37	36.452
100	19.99	36.556
150	18.92	36.565
200*	18.46	36.535
300	18.08	36.497
400*	17.94	36.505
495	17.54	36.406
595*	16.91	36.296
695	15.22	36.006
790*	13.14	35.676
890	10.72	35.359
985*	8.69	35.150
1185	5.57	35.007
1385*	4.56	34.997
1465*	4.42	34.995
1655	4.17	34.990
1845*	3.91	34.991
2130	3.68	34.978
2415*	3.55	34.968
2700	3.24	34.962
2980*	3.04	34.958
3260	2.750	34.941
3540*	2.500	34.925
3915	2.385	34.915
4285*	2.285	34.901

Depth, meters	Temperature, °C	Salinity, ‰
Station 5953; 30 May; 38° 28′ N. 61° 58′ W.; Depth 5073 m.		
1	23.09	36.428
50	22.65	36.386
100	20.36	36.604
150	19.11	36.579
200*	18.50	36.543
295	18.17	36.530
395*	18.02	36.521
495	17.68	36.427
595*	17.02	36.321
690	15.63	36.076
790*	13.37	35.720
890	11.23	35.416
990*	8.57	35.130
1190	5.63	35.019
1390*	4.62	34.982
1360*	4.70	34.999
1635	4.37	34.988
1915*	3.77	34.965
2200	3.58	34.966
2485*	3.46	34.957
2870	3.14	34.953
3260*	2.82	34.941
3655	2.545	34.925
4055*	2.385	34.909
4450	2.310	34.895
4845*	2.280	34.892
Station 5954; 30 May; 38° 28′ N. 61° 28′ W.; Depth 5106 m.		
1	23.25	36.424
45	22.81	36.434
95	21.19	36.652
140	19.15	36.551
185*	18.50	36.545
280	18.12	36.524
370*	17.92	36.497
460	17.81	36.481
550*	17.03	36.312
640	15.60	36.076
730*	13.57	35.760
820	10.94	35.394
910*	8.84	35.159
1095	5.28	34.945
1275*	4.76	35.001
1515*	4.19	34.977
1790	3.85	34.961
2070*	3.67	34.967
2350	3.47	34.961
2715*	3.19	34.966
3090	2.690	34.939
3460*	2.475	34.927
3835	2.330	34.941?
4215*	2.295	34.895
4595	2.295	34.901
4980*	2.330	34.903

Depth, meters	Temperature, °C	Salinity, ‰
Station 5955; 30 May; 38° 26′ N. 61° 00′ W.; Depth 5123 m.		
1	23.67	36.423
45	22.29	36.587
95	19.52	36.572
140	18.45	36.519
185*	18.21	36.536
275	17.98	36.517
360*	17.42	36.423
445	16.09	36.151
530*	13.99	35.805
610	12.06	35.532
690*	9.58	35.193
765	7.70	35.019
940*	5.65	35.006
1235	4.36	34.993
1525*	3.96	34.975
1845	3.68	34.962
2175*	3.49	34.964
2505	3.28	34.955
2845*	2.93	34.948
3195	2.59	34.931
3545*	2.400	34.916
3945	2.295	34.904
4355*	2.285	34.901
Station 5956; 30 May; 38° 30′ N. 60° 30′ W.; Depth 4903 m.		
1	18.15	35.497
45	15.20	35.738
95	13.69	35.672
140	13.49	35.695
185*	12.86	35.599
270	12.22	35.507
360*	11.02	35.377
445	9.07	35.162
525*	7.47	35.055
610	6.50	35.023
695*	5.55	35.011
775	5.11	35.010
860*	4.81	35.002
1040	4.40	34.997
1225*	4.13	34.978
1375*	4.00	34.978
1570	3.89	34.973
1860*	3.69	34.965
2145	3.46	34.966
2530*	2.98	34.950
2920	2.650	34.944
3315*	2.490	34.966
3710	2.385	35.025?
4105*	2.325	35.062?
4500	2.275	34.932
4895*	2.260	34.924

Depth, meters	Temperature, °C	Salinity, ‰
Station 5957; 31 May; 38° 33′ N. 60° 00′ W.; Depth 5148 m.		
1	19.85	35.817
50	17.49	36.148
100	15.48	36.006
150	13.97	35.774
200*	13.04	35.633
300	11.47	35.462
400*	9.29	35.199
500	7.21	35.066
600*	5.84	35.010
700	5.05	34.972
800*	4.86	35.025
900	4.45	34.998
1000*	4.21	34.982
1200	4.05	34.982
1400*	3.85	34.974
1540*	3.76	34.972
1840	3.62	34.970
2135*	3.41	34.970
2435	3.21	34.959
2735*	2.99	34.953
3135	2.69	34.942
3530*	2.47	34.926
3930	2.360	34.913
4330*	2.300	34.904
4730	2.295	34.902
5130*	2.270	34.896
Station 5958; 31 May; 38° 30′ N. 59° 29′ W.; Depth 5160 m.		
1	18.84	35.680
50	14.79	35.641
100	13.99	35.768
150	12.44	35.473
200*	12.17	35.496
300	10.50	35.278
395*	8.65	35.111
495	7.20	35.051
595*	6.07	35.031
695	5.29	35.019
790	4.87	35.006
890	4.58	35.005
990*	4.43	35.010
1185	4.07	34.980
1385*	3.88	34.977
1590*	3.78	35.044
1885	3.65	35.010
2180*	3.46	34.976
2480	3.21	34.962
2775*	3.02	35.010
3170	2.72	34.966
3565*	2.480	34.964
3960	2.365	34.920
4355*	2.305	34.941
4755	2.310	34.921
5155*	2.275	34.893

Station 5959; 31 May; 38° 31′ N. 59° 00′ W.; Depth 5150 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	20.40	35.714
50	17.40	36.108
100	15.34	35.974
150	13.97	35.773
200*	13.10	35.656
300	11.79	35.495
400*	9.14	35.178
495	7.30	35.062
595*	5.80	35.007
695	5.26	35.002
790*	4.78	34.984
890	4.60	34.997
985*	4.40	34.991
1180	4.10	34.985
1375*	3.89	34.970
1650*	3.73	34.967
1945	3.61	34.992
2240*	3.41	34.998
2540	3.18	34.976
2835*	2.98	34.960
3130	2.75	34.946
3525*	2.49	34.928
3920	2.355	34.921
4315*	2.304	34.910
4710	2.310	34.921?
5105*	2.315	34.899

Station 5960; 1 June; 38° 30′ N. 58° 28′ W.; Depth 5200 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	21.82	36.227
50	16.75	36.017
100	15.43	35.978
150	13.89	35.735
195*	13.14	35.609
295	12.02	35.460
395*	9.88	35.232
495	7.44	35.023
590*	6.11	34.964
690	5.11	34.922
790*	4.70	34.949
890	4.69	35.003
985*	4.47	34.993
1185	4.18	34.989
1380*	3.95	34.966
1630*	3.75	34.980
1925	3.61	35.074?
2225*	3.42	34.986
2520	3.23	34.977
2815*	3.01	34.957
3210	2.710	34.952
3610*	2.420	34.983?
4005	2.325	34.919
4400*	2.295	34.918
4800	2.300	34.957?
5200*	2.270	34.897

Station 5961; 1 June; 38° 42′ N. 58° 05′ W.; Depth 5210 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	22.66	36.396
45	22.32	36.422
90	21.29	36.545
130	20.05	36.650
175*	18.97	36.465
260	14.86	35.879
345*	14.02	35.816
425	12.56	35.547
495*	11.45	35.410
570	9.53	35.214
645*	7.62	35.016
720	6.59	34.995
790*	5.94	35.020
960	4.95	35.017
1135*	4.53	35.016
1790*	3.71	34.977
2050	3.64	34.977
2310*	3.42	34.976
2570	3.25	34.973
2920*	2.93	34.956
3270	2.60	34.941
3615*	2.43	34.886?
3965	2.355	34.913
4310*	2.305	34.911
4685	2.295	35.009?
5065*	2.310	34.903

Station 5962; 1 June; 38° 30′ N. 57° 30′ W.; Depth 5255 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	22.55	36.431
50	20.45	36.401
100	19.12	36.579
150	18.49	36.548
200*	18.07	36.511
300	17.84	36.501
400*	17.38	36.403
495	16.08	36.159
595*	14.26	35.856
695	12.16	35.559
795*	9.84	35.277
895	7.79	35.098
995*	5.93	35.018
1195	4.90	35.005
1390*	4.47	35.004
1575*	4.14	34.989
1870	3.85	34.973
2265*	3.61	34.976
2560	3.42	34.970
2860*	3.16	34.958
3255	2.82	34.944
3650*	2.54	34.930
4045	2.375	34.920
4440*	2.300	34.906
4835	2.280	34.912
5230*	2.250	34.888

Station 5963; 3 June; 37° 49′ N. 61° 14′ W.; Depty 5090 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	22.98	36.450
45	20.87	36.530
95	19.83	36.601
140	18.91	36.555
185*	18.43	36.537
280	18.04	36.530
375*	17.88	36.518
470	17.44	36.414
565*	16.19	36.188
660	14.44	35.894
755*	11.80	35.516
850	9.53	35.240
950*	7.78	35.104
1145	5.16	35.009
1340*	4.59	35.013
1585*	4.13	34.986
1870	3.90	34.982
2150*	3.75	34.976
2435	3.45	34.973
2715*	3.17	34.966
3095	2.865	34.951
3480*	2.570	34.940
3865	2.400	34.925
4250*	2.315	34.916
4635	2.305	34.968?
5020*	2.300	34.919

Station 5964; 4 June; 37° 56′ N. 60° 48′ W.; Depth 3640 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	25.63	36.363
50	23.53	36.663
100	21.38	36.651
150	19.95	36.591
195*	18.66	36.551
295	18.03	36.526
395*	17.75	36.495
495	16.72	36.270
590*	14.85	35.992
690	12.06	35.533
790*	9.59	35.237
885	7.67	35.096
985*	5.51	34.951
1185	4.89	35.012
1380*	4.35	34.996
1825*	3.67	34.974
2030	3.56	34.972
2230*	3.51	34.971
2430	3.41	34.970
2625*	3.34	34.966
2825	3.19	34.964
3025*	3.00	34.954
3220	2.680	34.941
3420*	2.540	34.927

Station 5965; 4 June; 37° 52′ N. 61° 04′ W.; Depth 4345 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	22.69	36.481
50	21.62	36.509
95	19.97	36.559
145	18.62	36.536
195*	18.27	36.523
290	18.04	36.528
390*	17.86	36.516
485	—	36.433
585*	16.34	36.202
685	14.16	35.832
780*	12.00	35.514
880	9.11	35.151
980*	7.24	35.070
1180	5.03	35.006
1380*	4.48	34.988
2015*	3.72	34.967
2310	3.57	34.973
2605*	3.33	34.965
2905	3.10	34.959
3205*	2.89	34.929

Station 5966; 5 June; 37° 34′ N. 60° 29′ W.; Depth 5155 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	26.24	36.301
50	24.39	36.363
100	22.10	36.575
145	20.49	36.626
195*	19.16	36.556
295	18.11	36.486
390*	17.17	36.357
485	14.74	35.939
580*	12.66	35.624
670	9.88	35.215
765*	7.07	35.018
855	5.97	35.017
950*	5.20	35.026
1135	4.54	34.991
1325*	4.20	34.976
1570*	3.88	34.970
1825	3.72	34.976
2085*	3.50	34.964
2355	3.37	34.960
2725*	3.08	34.976
3095	2.74	34.954
3475*	2.49	34.918
3855	2.325	34.911
4230*	2.280	34.910
4610	2.190	34.889
4985*	2.300	34.893

Depth, meters	Temperature, °C	Salinity, ‰
Station 5967; 6 June; 37° 48′ N. 60° 40′ W.; Depth 5090 m.		
1	25.23	36.334
50	22.73	36.606
100	20.83	36.645
150	19.30	36.560
200*	18.64	36.542
295	18.00	36.495
395*	17.52	36.427
495	16.49	36.225
595*	14.44	35.874
690	11.87	35.496
790*	9.60	35.230
890	7.41	35.066
990*	5.57	35.002
1185	4.71	35.004
1385*	4.27	34.990
1525*	4.00	34.981
1820	3.76	34.969
2115*	3.55	34.970
2415	3.35	34.963
2710*	3.21	34.962
3105	2.89	34.950
3505*	2.57	34.935
3900	2.385	34.916
4295*	2.320	34.905
4695	2.310	34.903
5090*	2.300	34.901
Station 5968; 6 June; 36° 58′ N. 60° 24′ W.; Depth 4675 m.		
1	25.59	36.311
45	24.58	36.512
95	21.95	36.633
140	20.07	36.647
185*	18.63	36.529
275	17.47	36.388
360*	15.77	36.078
445	12.88	35.645
525*	10.97	35.392
600	9.47	35.215
680*	8.02	35.071
750	6.71	35.045
825*	5.53	35.008
995	4.88	35.003
1170*	4.35	34.998
1185*	4.31	34.995
1385	4.06	34.982
1580*	3.86	34.966
1845	3.70	34.966
2115*	3.60	34.974
2390	3.445	34.966
2660*	3.22	34.961
2930	3.105	34.952
3205*	2.905	34.947
3500	2.660	34.943
3810*	2.435	34.918
Station 5969; 8 June; 36° 44′ N. 61° 06′ W.; Depth 4990 m.		
1	22.46	36.441
50	19.95	36.551
100	19.10	36.581
150	18.48	36.551
200*	18.31	36.550
295	18.15	36.556
395*	18.02	36.536
495	17.80	36.494
595*	16.99	36.330
695	15.17	36.009
790*	12.61	35.615
890	10.39	35.317
990*	8.38	35.115
1190	5.41	35.011
1385*	4.34	34.978
1505*	4.19	34.968
1800	3.93	34.975
2095*	3.71	34.980
2390	3.58	35.020
2685*	3.27	34.971
2980	2.975	34.980
3370*	2.650	34.942
3765	2.425	34.926
4160*	2.330	34.932
4550	2.290	34.911
4945*	2.280	34.903
Station 5970; 8 June; 36° 45′ N. 60° 29′ W.; Depth 5125 m.		
1	25.73	36.335
50	24.10	36.481
100	22.07	36.643
150	20.51	36.611
195*	19.10	36.577
295	18.15	36.506
390*	17.66	36.450
485	17.18	36.362
585*	15.20	36.020
680	13.40	35.737
780*	10.81	35.377
880	8.16	35.063
980*	6.12	34.941
1175	5.08	35.021
1375*	4.40	34.999
1550*	4.11	34.981
1850	3.89	34.979
2145*	3.66	34.975
2435	3.46	34.973
2730*	3.28	34.967
3125	2.93	34.950
3520*	2.61	34.928
3910	2.405	34.921
4305*	2.330	34.905
4705	2.320	34.904
5100*	2.330	34.902
Station 5971; 8 June; 36° 40′ N. 60° 00′ W.; Depth 5155 m.		
1	26.24	36.265
45	26.04	36.318
90	23.51	36.329
130	21.26	36.470
175*	20.02	36.558
265	17.50	36.329
350*	15.98	36.162
425	14.00	35.774
500*	12.78	35.584
580	12.14	35.491
660*	10.15	35.277
740	8.14	35.092
815*	6.98	35.053
990	5.40	35.048
1165*	4.66	35.010
1470*	4.10	34.989
1735	3.90	34.976
2090*	3.64	34.982
2460	3.43	34.982
2840*	3.10	34.957
3210	2.810	34.954
3585*	2.520	34.931
3960	2.395	34.944
4335*	2.310	34.924
4740	2.315	34.906
5145*	2.325	34.920
Station 5972; 9 June; 36° 56′ N. 59° 34′ W.; Depth 5165 m.		
1	25.54	36.201
50	23.25	36.153
100	20.41	36.530
145	19.29	36.585
195*	18.14	36.410
290	17.21	36.415
390*	15.16	36.025
485	13.89	35.809
585*	12.31	35.576
685	10.52	35.353
785*	8.57	35.153
885	6.84	35.132
985*	5.81	35.121
1185	4.73	35.026
1385*	4.22	34.984
1415*	4.22	34.981
1710	3.93	34.972
2010*	3.69	34.967
2405	3.44	34.993
2800*	3.14	35.013?
3195	2.79	34.935
3590*	2.50	34.922
3985	2.370	34.922
4380*	2.310	34.899
4775	2.310	34.895
5165*	2.310	34.891
Station 5973; 9 June; 36° 46′ N. 58° 59′ W.; Depth 4554 m.		
1	23.07	36.379
50	19.45	36.536
100	18.54	36.534
150	18.23	36.528
195*	18.06	36.504
295	17.85	36.494
395*	17.61	36.462
495	17.27	36.386
590*	15.78	36.093
690	13.46	35.722
790*	11.10	35.400
890	8.55	35.163
985*	6.80	35.046
1185	5.04	35.004
1380*	4.44	35.007
1478*	4.34	35.001
1675	4.10	34.985
1970*	3.77	34.974
2266	3.60	34.970
2561*	3.41	34.960
2857	3.06	34.988?
3152*	2.80	34.950
3448	2.605	34.935
3842*	2.370	34.918
4236	2.300	34.903
4554*	2.275	34.895
Station 5974; 10 June; 36° 40′ N. 59° 44′ W.; Depth 4220 m.		
1	25.62	36.191
50	25.46	36.332
100	19.80	35.732?
145	19.35	36.512
195*	18.75	36.515
295	17.24	36.308
390*	16.44	36.234
490	14.65	35.921
585*	12.05	35.455
685	11.35	35.438
780*	9.28	35.217
880	7.15	35.083
975*	6.21	35.066
1170	4.79	35.007
1365*	4.36	34.993
1570*	4.10	34.981
1765	3.90	34.967
1960*	3.75	34.970
2155	3.67	34.974
2445*	3.45	34.964
2740	3.21	34.961
3040*	2.91	34.943
3335	2.620	34.930
3630*	2.400	34.914
3925	2.300	34.902
4220*	2.295	34.902

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Station 809; 9 April; 42° 58′ N. 62° 29′ W.; Depth 172 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	3.60	32.420	7.89
10	3.56	32.418	7.83
30	3.44	32.476	7.65
50*	4.51	33.248	6.60
70	5.67	33.749	6.04
90	6.17	33.959	5.74
110	6.63	34.185	5.31
130*	6.87	34.266	5.23
150	7.97	34.684	4.67
170*	7.84	34.765	4.51

Station 810; 9 April; 42° 41′ N. 62° 32′ W.; Depth 1402 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	6.75	33.741	6.94
50	10.44	34.914	5.89
95	12.04	35.442	5.24
190*	10.18	35.247	3.27
285	8.13	35.052	3.58
385*	6.28	34.998	4.41
480	5.25	34.959	5.07
575*	4.67	34.951	5.59
670	4.36	34.929	5.90
765*	4.16	34.933	5.98
865	4.07	34.931	6.24
960*	4.00	34.934	6.18
1155	3.96	34.938	6.17
1345	3.87	34.944	6.24

Station 811; 9 April; 42° 20′ N. 62° 30′ W.; Depth 2270 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	6.14	33.565	7.29
45	6.27	33.695	7.01
90	7.42	34.464	5.05
185*	7.29	34.837	4.15
280	—	34.856	4.37
375*	5.26	34.890	4.95
470	5.37	34.989	5.14
565*	4.84	34.979	5.50
660	4.39	34.945	5.91
760*	4.12	34.936	6.10
860	4.10	34.956	6.04
960*	4.15	34.974	6.02
1160	3.99	34.967	6.12
1360	—	34.956	6.25
1535	3.70	34.957	6.25
1725*	3.57	34.957	6.25
1915	3.45	34.960	6.24
2105*	3.35	34.953	6.22
2270	3.26	34.954	Mud

Station 812; 10 April; 42° 00′ N. 62° 29′ W.; Depth 3015 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	5.10	33.082	7.41
45	8.91	34.331	6.73
85	11.60	35.290	5.75
170*	10.69	35.320	3.28
255	—	35.111	3.43
340*	6.81	35.010	4.45
430	5.32	34.913	5.05
515*	5.09	34.935	5.21
600	—	34.961	5.59
685*	4.66	34.990	5.83
775	4.28	34.960	5.91
860	4.00	34.947	6.23
1040	3.82	34.933	6.60
1225	3.73	34.933	6.54
1490*	3.74	34.952	6.38
1680	3.57?	34.960	6.25
1870	3.68?	34.957	6.29
2060	3.410	34.952	6.53
2250*	3.230	34.950	6.39
2440	3.070	34.950	6.19
2630	2.935	34.945	6.23
2820	2.870	34.939	6.23
3015	2.600	34.929	Mud

Station 813; 10 April; 41°39′N. 62° 29′ W.; Depth 3655 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	9.84	34.616	6.86
40	12.77	—	5.62
75	12.54	35.531	5.35
155	11.86	35.415	5.54
230?	—	35.022	2.48
310*	8.14	35.085	3.45
390	6.67	34.985	4.17
470	5.29	34.893	4.96
550	5.21	—	5.72
630*	4.67	34.954	5.76
715	4.59	34.982	5.78
795	4.66	34.982	5.95
965	4.23	34.982	6.07
1140*	3.96	—	6.24
1365	3.78	34.960	6.30
1550	3.66	34.956	6.33
1730	3.62	34.962	6.33
1915	3.51	34.966	6.26
2105	3.39	34.964	6.24
2295	3.23	—	6.12
2480	3.09	—	6.18
2675	2.90	—	6.30
2865	2.71	—	6.12
3155	2.50	—	6.30
3445	2.40	—	6.33

Station 814; 10 April; 41° 20′ N. 62° 28′ W.; Depth 4105 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	11.92	35.294	6.05
40	12.01	35.323	6.01
75	12.53	35.512	5.82
155	11.70	35.426	4.39
235	10.86	35.361	3.32
315*	9.18	35.171	3.17
395	7.85	35.082	3.57
480	—	34.913	4.52
570	—	34.940	4.99
655*	5.22	35.005	5.19
745	4.83	35.004	5.50
840*	4.48	34.974	5.87
1025	4.19	34.969	5.97
1220	4.01	34.968	6.03
1590*	3.64	34.951	6.52
1790	3.55	34.955	6.22
1990*	3.50	34.960	6.31
2190	3.36	34.958	6.22
2390*	3.21	34.955	6.36
2590	3.05	34.950	6.18
2890*	2.82	34.934	6.30
3190	2.55	—	6.34
3490*	2.37	34.906	6.35
3690	2.29	34.911	6.31
3890*	2.26	34.908	6.46

Station 815; 10 April; 41° 00′ N. 62° 28′ W.; Depth 4444 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	17.07	36.075	5.04
40	16.98	36.023	5.08
80	16.28	36.133	3.58
165	12.01	35.356	4.87
245	11.64	35.389	4.24
330*	10.01	35.261	3.10
415	8.24	35.081	3.46
500*	7.00	35.052	4.09
590	5.63	34.992	4.89
675*	5.06	34.971	5.53
765	4.61	34.960	5.67
855	4.60	34.989	6.13
1040	4.29	34.983	6.35
1225*	4.03	34.967	6.21
1595*	3.77	34.963	6.24
1895	3.65	34.964	6.54
2190	3.42	34.959	6.14
2490	3.09	34.947	6.23
2790*	2.88	34.938	6.20
3090	2.620	34.933	6.23
3385*	2.425	34.919	6.44
3685	2.315	34.909	6.28
3985*	2.255	34.900	6.28
4285	2.225	34.887	6.14

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 816; 11 April; 40° 30′ N. 62° 28′ W.; Depth 4766 m.			
0	18.66	36.228	4.89
45	18.69	36.225	5.02
90	18.47	36.309	4.68
185	15.47	36.065	3.78
275	12.97	35.629	3.70
370*	10.86	35.321	4.61
460	9.20	35.189	3.29
550*	7.81	35.133	3.84
645	6.02	35.013	4.63
735*	5.33	35.013	5.13
835	4.90	35.002	5.43
925*	4.66	35.002	5.72
1110	4.33	34.996	5.89
1300*	4.03	34.978	6.25
585*	6.97	35.053	4.22
880	4.67	34.996	5.61
1175*	4.17	34.984	6.00
1470	3.85	34.976	6.06
1765*	3.67	34.965	6.21
2060	3.52	34.968	6.16
2450*	3.26	34.960	6.15
2845	3.02	34.951	6.16
3240*	2.72	34.937	6.19
3635	2.48	34.924	6.47
3830	2.40	34.918	6.17
Station 817; 11 April; 40° 04′ N. 62° 32′ W.; Depth 4967 m.			
0	18.70	36.268	4.49
45	18.74	36.271	4.53
90	18.60	36.506	3.72
180	16.90	36.278	3.79
270	14.63	35.982	3.78
355*	12.39	35.603	3.65
445	10.64	35.337	3.18
530*	8.44	35.115	3.36
615	6.64	35.050	4.27
700	5.56	35.008	4.88
785	5.07	35.005	5.24
870	4.59	34.994	5.72
1030	4.36	34.985	5.86
1195*	4.16	34.982	6.07
1175*	4.15	34.983	5.96
1400	3.88	34.965	6.14
1630	3.77	34.962	6.40
1870	3.67	34.966	6.24
2110*	3.52	34.967	6.75
2360	3.35	34.963	6.17
2615	3.15	34.956	6.20
2960	2.85	34.945	6.27
3315*	2.58	34.930	6.24
3685	2.38	34.914	6.26
4015	2.31	34.906	6.43

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 818; 11 April; 39° 34′ N. 62° 29′ W.; Depth 5047 m.			
0	15.81	35.597	5.53
45	15.81	35.605	5.48
90	13.77	35.401	5.32
185	10.91	35.075	5.58
275	11.38	35.337	4.31
365*	10.40	35.295	3.24
455	8.90	35.143	3.29
545	—	35.068	3.75
640	6.44	35.016	4.43
730	5.64	35.010	4.96
820	5.07	34.997	5.36
910	4.74	35.006	5.73
1090	4.44	35.000	5.90
1270	4.14	34.987	6.11
1380*	3.95	34.975	6.18
1635	3.78	34.968	6.23
1895*	3.65	34.966	6.25
2155	3.51	34.971	6.25
2505*	3.27	34.970	6.30
2865	2.945	34.955	6.29
3230*	2.660	34.927	6.30
3605	2.425	34.920	6.30
3980*	2.325	34.912	6.18
4360	2.300	34.907	6.19
4555*	2.300	34.901	6.18
Station 819; 12 April; 38° 59′ N. 62° 27′ W.; Depth 5050 m.			
0	20.84	36.498	4.93
45	20.85	36.499	5.00
95	20.36	36.497	5.17
190	19.11	36.565	4.93
285	18.26	36.492	4.61
380*	17.76	36.446	4.61
480	17.06	36.339	4.35
575*	15.81	36.113	3.96
675	12.91	35.502	3.93
770*	10.51	35.296	3.28
870	7.73	35.084	3.74
970*	6.03	35.011	4.73
1165	4.83	35.009	5.57
1365*	4.32	34.989	5.97
1865	—	34.966	6.17
2160	3.64	34.966	6.36
2455*	3.50	34.969	6.33
2750	3.24	34.960	6.32
3050*	3.07	34.959	6.24
3345	2.81	34.941	6.22
3740*	2.51	34.923	6.24
4140	2.38	34.913	6.17
4535*	2.33	34.905	6.09
4935*	2.31	34.899	6.06
5050*	2.32	34.897	6.11

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 820; 12 April; 38° 29′ N. 62° 32′ W.; Depth 5048 m.			
0	19.37	36.517	5.38
45	19.05	36.487	5.30
95	18.76	36.545	5.08
190	18.33	36.545	5.08
285	18.12	36.519	5.04
380*	18.07	36.514	5.03
480	17.96	36.504	4.96
575	—	36.346	4.39
675	15.74	36.101	3.92
775*	13.65	35.768	3.70
870	11.52	35.465	3.42
970*	8.77	35.156	3.39
1170	5.45	35.015	5.15
1365*	4.70	35.015	5.66
1640*	4.20	34.994	6.00
1940	3.84	34.968	6.06
2235*	3.65	34.973	6.16
2535	3.45	34.980	6.09
2835*	3.21	34.975	6.15
3135	2.970	34.957	6.14
3435*	2.715	34.934	6.27
3830	2.445	34.923	6.22
4230*	2.355	34.922	6.21
4630*	2.315	34.916	6.20
4815*	2.325	34.913	6.24
Station 821; 12 April; 38° 00′ N. 62° 30′ W.; Depth 5065 m.			
0	18.47	36.536	5.26
50	18.47	36.543	5.40
100	18.45	36.548	5.27
200	18.10	36.543	5.15
300	18.05	36.531	5.04
400*	18.06	36.527	5.15
500	17.93	36.527	—
600*	16.89	36.305	4.38
700	15.09	36.003	3.99
800*	12.69	35.633	3.47
900	10.44	35.313	3.25
1000*	8.44	35.139	3.53
1200	5.87	35.020	4.98
1400*	4.73	35.011	5.66
1600*	4.25	34.994	6.01
1900	3.91	34.968	6.17
2200*	3.67	34.969	6.39
2500	3.52	34.972	6.15
2800*	3.29	34.966	6.26
3200	2.97	34.949	6.14
3600*	2.65	34.929	6.30
4000	2.39	34.915	6.21
4400*	2.32	34.909	6.12
4800*	2.31	34.905	6.08
5065*	2.32	34.901	Mud

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 822; 12 April; 37° 28′ N. 62° 28′ W.; Depth 5061 m.			
0	19.15	36.555	5.54
50	19.04	36.548	5.41
95	18.65	36.543	5.39
195	18.12	36.523	4.96
290	18.06	36.527	5.31
390*	18.05	36.512	5.00
490	17.78	36.471	4.82
585*	17.09	36.342	4.43
685	15.34	36.046	3.89
785*	13.37	35.737	3.53
885	10.58	35.358	3.45
985*	8.57	35.133	3.45
1185	5.37	35.003	5.10
1380*	4.54	35.002	5.79
1660*	4.06	34.979	6.81
1960	3.82	34.970	6.31
2260*	3.64	34.976	6.26
2555	3.47	34.980	6.30
2855*	3.24	34.969	6.32
3255	2.930	34.955	6.23
3650*	2.615	34.930	6.26
4050	2.395	34.919	6.24
4450*	2.330	34.913	6.22
4850*	2.320	34.908	6.12
5050*	2.315	34.905	6.12
Station 823; 13 April; 36° 59′ N. 62° 31′ W.; Depth 5027 m.			
0	19.63	36.561	5.17
40	19.35	36.558	5.15
80	19.13	36.560	5.16
160	18.67	36.555	5.25
250	18.34	36.544	5.09
335*	18.14	36.530	5.02
425	17.94	36.514	4.90
520*	17.52	36.430	4.59
615	16.25	36.204	4.03
710	14.38	35.901	3.85
805	11.74	35.479	3.29
905	8.89	35.169	3.31
1105	5.59	35.018	5.03
1305	4.70	35.001	5.63
1655*	4.02	34.982	6.15
1945	3.77	34.966	6.34
2235*	3.61	34.971	6.22
2520	3.46	34.976	6.29
2805*	3.25	34.972	6.20
3190	2.95	34.954	6.20
3565*	2.59	34.940	6.28
3945	2.38	34.915	6.27
4320*	2.31	34.909	6.20
4695*	2.31	34.901	6.18

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 824; 13 April; 36° 37′ N. 62° 35′ W.; Depth 4990 m.			
0	18.93	36.546	5.25
45	18.93	36.550	5.24
95	18.84	36.544	5.14
185	18.48	36.539	5.15
280	17.82	36.462	4.68
380*	17.23	36.354	4.47
475	15.73	36.092	4.18
570*	13.62	35.744	3.81
670	11.88	35.510	3.37
765*	9.57	35.226	3.31
865	7.21	35.072	4.05
965*	5.99	35.055	4.78
1165	4.77	35.000	5.55
1360*	4.30	34.985	5.89
1670*	3.93	—	—
1960	3.69	34.970	6.16
2250*	3.50	34.968	6.14
2545	3.32	34.967	6.14
2840*	3.07	34.951	6.37
3230	2.780	—	—
3620	2.520	34.926	6.17
4010	2.370	34.913	6.11
4400*	2.305	34.901	6.09
4790*	2.285	34.897	6.12
4985*	2.305	—	6.14
Station 825; 13 April; 36° 04′ N. 62° 30′ W.; Depth 4989 m.			
0	18.80	36.529	5.70
45	18.78	36.541	5.37
90	18.56	36.531	5.21
175	18.27	36.521	5.15
260	17.37	36.380	5.15
345*	16.49	36.209	4.85
425	14.79	35.909	4.07
505*	13.21	35.690	3.72
585	11.47	35.446	3.34
660*	9.52	—	3.75
740	7.91	35.098	3.71
815*	6.61	35.039	4.34
980	5.34	35.046	5.13
1155*	4.51	34.996	5.72
1395*	4.13	34.982	5.97
1650	3.84	34.975	6.25
1905*	3.69	34.970	6.20
2165	3.52	34.968	6.17
2515*	3.33	34.967	6.16
2885	3.01	34.948	6.23
3260	2.72	34.938	6.28
3640	2.46	34.921	6.29
4025*	2.35	34.910	6.21
4415*	2.31	34.901	6.09
4610*	2.31	34.898	6.07

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 826; 14 April; 35° 00′ N. 62° 30′ W.; Depth 5201 m.			
0	18.10	36.467	4.78?
50	17.91	36.459	5.46
95	17.86	36.445	5,34
190	17.07	36.347	4.96
285	15.78	36.071	4.78
375*	14.11	35.814	4.21
465	11.94	35.508	3.49
555*	9.49	35.215	3.21
640	7.72	35.084	3.80
725*	6.28	35.031	4.53
805	5.31	35.007	5.15
885*	5.20	35.050	5.34
1065	4.61	35.013	5.72
1260*	4.22	34.990	5.89
1330*	4.15	34.985	6.04
1565	3.89	34.982	6.25
1810*	3.73	34.973	6.28
2150	3.46	34.971	6.23
2490*	3.17	34.957	6.14
2845	2.910	34.947	6.18
3205*	2.570	34.933	6.23
3570	2.430	34.925	6.20
3935*	2.340	34.910	6.16
4305	2.290	34.901	6.14
4485*	2.295	34.900	6.08
Station 827; 14 April; 33° 59′ N. 62° 29′ W.; Depth 4485 m.			
0	18.51	36.555	5.44
50	18.47	36.549	5.41
100	18.44	36.547	5.35
195	18.29	36.542	5.11
295	18.07	36.518	5.03
395*	18.02	36.516	5.00
495	17.35	36.382	4.64
595*	15.36	36.014	4.11
695	13.05	35.656	3.69
795*	10.23	35.286	3.29
895	7.70	35.094	3.93
995*	6.14	35.034	4.62
1195	4.73	35.006	5.75
1390*	4.28	34.990	5.58
1645*	3.91	34.966	6.33
1845	3.73	34.976	6.22
2140*	3.58	34.981	6.19
2440	3.44	34.967	6.20
2740*	3.29	34.962	6.20
3040	3.025	34.950	6.17
3340*	2.760	34.939	6.20
3645	2.390	34.918	6.17
3945	2.295	34.910	6.25
4245	2.245	34.899	6.28
4485*	2.245	34.896	Mud

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 828; 15 April; 33° 01′ N. 62° 27′ W.; Depth 4820 m.			
0	19.87	36.651	5.60
50	18.95	36.583	5.39
95	18.80	36.583	5.30
195	18.44	36.573	5.19
290	18.07	36.503	4.85
390*	17.72	36.439	4.60
485	17.03	36.337	4.46
585*	15.70	36.093	4.10
680	13.82	35.692	3.89
780*	11.66	35.504	3.58
875	9.70	35.277	3.53
975*	7.94	35.126	3.84
1170	5.22	35.013	5.25
1365*	4.59	35.013	5.81
1515*	4.26	35.001	5.94
1710	3.96	34.985	6.14
2000*	3.72	34.974	6.19
2295	3.50	34.966	6.20
2590*	3.27	34.961	6.21
2985	2.87	34.953	6.11
3380*	2.53	34.925	6.18
3770*	2.36	34.914	6.16
4165*	2.29	34.907	6.16
4560*	2.28	34.900	6.08
4755*	2.30	34.899	6.11
Station 829; 15 April; 33° 00′ N. 60° 31′ W.; Depth 4650 m.			
0	19.12	36.569	5.72
50	19.04	36.567	5.58
100	18.52	36.551	5.36
200	17.77	36.449	4.67
300	17.81	—	5.30
400*	17.43	36.379	4.80
500	16.20	36.176	4.29
600*	14.67	35.916	4.03
700	12.45	35.578	3.47
800*	9.95	35.271	3.46
895	7.79	35.109	3.91
995*	6.44	35.080	4.58
1195	5.09	35.061	5.52
1390*	4.42	35.013	5.86
1470*	4.27	35.005	6.10
1770	3.86	34.979	6.24
2070*	3.60	34.974	6.25
2365	3.38	34.968	6.20
2665*	3.11	34.958	6.26
2965	2.790	34.940	6.23
3265*	2.515	34.925	6.35
3665	2.310	34.909	6.20
4065*	2.270	34.902	6.18
4465*	2.245	34.896	6.18
4650*	2.230	34.891	6.18 Cloudy
Station 830; 15 April; 34° 06′ N. 60° 32′ W.; Depth 4630 m.			
0	19.27	36.637	5.54
45	18.96	36.594	5.46
95	18.57	36.555	5.23
190	18.14	36.511	5.04
285	17.85	36.452	4.69
380*	17.41	36.390	4.67
475	16.69	36.281	4.34
570*	15.55	36.094	4.33
665	14.01	35.856	4.19
760*	12.06	35.575	3.82
855	9.99	35.298	3.54
950*	7.93	35.135	3.87
1145	5.71	35.062	4.95
1335*	4.73	35.028	5.67
1455*	4.53	35.015	5.77
1645	4.20	35.002	6.08
1930*	3.97	—	6.08
2215	3.60	34.971	6.14
2505*	3.34	34.964	6.20
2795	3.075	34.951	6.11
3180*	2.710	34.935	6.19
3570	2.415	34.917	6.01
3955*	2.295	34.906	6.10
4340	2.260	34.899	6.08
4485*	2.265	34.899	6.17
Station 831; 16 April; 35° 00′ N. 60° 30′ W.; Depth 4530 m.			
0	18.66	36.545	5.35
45	18.64	36.547	5.26
90	18.60	36.547	4.86
180	18.23	36.519	5.41
275	18.00	36.500	5.05
365*	17.90	36.497	5.05
460	17.74	36.465	5.14
555*	16.92	36.296	4.37
650	15.23	36.009	4.03
745*	13.23	35.704	3.85
845	10.61	35.370	3.65
940*	7.90	35.089	3.57
1135	5.54	35.072	5.15
1335	4.67	35.042	5.53
1725*	3.84	34.973	6.19
1925	3.70	34.976	6.28
2220*	3.46	34.972	6.19
2520	3.25	34.963	6.10
2820*	2.99	34.952	6.15
3120	2.67	34.935	6.14
3415*	2.42	34.921	6.13
3715	2.29	34.911	6.04
4015*	2.26	34.904	6.02
4410*	2.25	34.899	6.08
4530*	2.25	34.896	Mud
Station 832; 16 April; 36° 02′ N. 60° 30′ W.; Depth 4745 m.			
0	19.13	36.491	5.16
40	18.97	36.477	5.05
85	18.72	36.506	5.20
170	18.16	36.490	4.56
255	17.81	36.463	4.83
340*	17.51	36.412	4.78
425	17.00	36.328	4.79
515*	16.06	36.131	4.97
600	14.70	35.909	3.98
690*	12.86	35.640	3.61
780	10.63	35.357	3.36
870*	8.43	35.139	3.55
1055	5.92	35.055	4.85
1240*	4.81	35.022	5.65
1600*	4.16	34.994	5.92
1895	3.81	34.977	6.20
2195*	3.61	34.971	6.16
2495	3.39	34.966	6.12
2795*	3.13	34.954	6.32
3095	2.890	34.943	6.19
3395	2.610	34.927	6.20
3795	2.375	34.910	6.14
4195*	2.290	34.901	6.27
4595*	2.275	34.896	6.13
4745*	2.275	34.897	Mud
Station 833; 16 April; 36° 30′ N. 60° 30′ W.; Depth 5000 m.			
0	19.71	36.508	5.53
50	19.64	36.504	5.41
95	19.08	36.548	5.44
190	18.17	36.529	5.19
285	18.03	36.520	5.10
385*	18.01	36.520	5.09
480	17.05	36.322	4.47
575*	15.52	36.063	3.93
670	13.13	35.691	3.60
765*	10.65	35.355	3.39
860	7.94	35.087	3.62
960*	6.07	35.020	4.12
1150	4.72	34.997	5.68
1340*	4.33	34.993	5.92
1645*	3.90	34.971	6.23
1835	3.75	34.965	6.22
2120*	3.56	34.966	6.01
2505	3.30	34.962	6.21
2895*	2.99	34.947	6.12
3280	2.640	34.931	6.24
3670*	2.410	34.912	6.14
4055	2.320	34.904	6.14
4440*	2.295	34.899	6.16
4825*	2.290	34.893	6.11
5000*	2.320	34.898	Mud

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 834; 17 April; 37° 00′ N. 60° 28′ W.; Depth 4536 m.			
0	15.67	35.883	5.94
50	14.93	35.842	5.99
100	14.77	35.817	5.40
200	13.26	35.641	5.03
295	12.50	35.575	4.79
395*	11.70	35.463	3.66
495	9.96	35.243	3.30
595*	7.89	35.071	3.60
695	6.51	35.014	4.23
795*	5.60	35.007	4.72
890	5.00	35.000	5.22
990*	4.80	35.002	5.50
1190	4.36	34.997	5.89
1385*	4.06	34.975	5.89
1575*	3.86	34.966	6.12
1870	3.69	34.968	6.28
2165*	3.55	34.966	5.98
2460	3.35	34.960	6.16
2750*	3.12	34.951	6.08
3045	2.90	34.942	6.17
3340*	2.62	34.931	6.21
3635	2.47	34.916	6.22
3930*	2.45	34.913	6.29
4225	2.44	34.896	6.23
4460*	2.35	34.903	6.33
Station 835; 17 April; 37° 32′ N. 60° 34′ W.; Depth 5154 m.			
0	18.11	36.255	5.12
45	17.63	36.205	5.00
90	17.78	36.391	3.82
175	16.91	36.280	5.16
260	15.45	36.023	4.17
345*	13.48	35.719	4.24
430	11.77	35.491	3.31
510*	9.89	35.263	3.30
590	8.52	35.141	3.47
670*	7.11	35.063	4.05
750	6.42	35.088	4.59
835*	5.93	35.100	4.89
1005	5.13	35.062	5.34
1190*	4.57	35.034	5.80
1435*	4.06	34.993	6.07
1710	3.83	34.985	6.14
1985*	3.57	34.967	6.27
2345	3.36	34.965	6.21
2695*	3.110	34.954	6.33
3045	2.840	34.939	6.19
3385*	2.595	34.930	6.22
3700*	2.425	34.918	6.21
4020*	2.360	34.906	6.21
4390	2.335	34.901	6.30
4580*	2.320	34.901	6.12

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 836; 17 April; 38° 02′ N. 60° 32′ W.; Depth 4423 m.			
0	18.09	36.513	5.98
45	17.90	36.501	5.27
90	17.71	36.485	5.58
180	17.64	36.476	5.26
270	17.58	36.458	5.22
360*	17.27	36.380	5.13
450	16.48	36.223	4.41
535*	14.75	35.930	3.83
620	12.31	35.567	3.79
705*	9.82	35.240	3.40
790	7.93	35.077	3.86
875*	6.38	35.022	4.68
1055	5.31	35.073	5.39
1235*	4.48	35.007	5.86
1145*	4.91	35.046	5.61
1335	4.25	34.989	6.12
1530*	3.96	34.974	5.72
1825	3.75	34.966	6.32
2215*	3.57	34.966	6.21
2610	3.195	34.956	6.18
3010*	2.905	34.944	6.18
3410	2.575	34.926	6.18
3810*	2.475	34.920	6.28
4215	2.395	34.911	6.21
4420*	2.355	34.907	6.22
Station 837; 17 April; 38° 30′ N. 60° 30′ W.; Depth 5056 m.			
0	17.85	36.504	5.66
45	17.81	36.503	5.55
95	17.63	36.480	5.34
185	17.57	36.467	5.21
280	17.47	36.452	5.15
375*	17.36	36.430	5.01
470	16.49	36.239	4.77
565*	14.26	35.852	4.11
660	11.64	35.489	3.47
755*	9.51	35.245	3.55
850	7.63	35.086	3.92
945*	6.53	35.069	4.59
1135	4.86	35.013	5.46
1325*	4.37	35.005	5.87
1550*	4.10	34.981	6.14
1845	3.80	34.966	6.32
2145*	3.59	34.968	?
2450	3.42	34.966	6.18
2855*	3.09	34.958	6.33
3265	2.78	34.938	6.20
3675*	2.49	34.920	6.20
4070	2.32	34.908	6.18
4460*	2.31	34.902	6.27
4845*	2.30	34.898	6.12
5055*	2.32	34.899	Mud

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 838; 18 April; 38° 59′ N. 60° 30′ W.; Depth 5103 m.			
0	17.38	36.133	5.08
40	17.59	36.337	3.72
80	16.29	36.051	4.53
160	13.46	35.433	5.65
240	12.87	35.497	4.72
330	12.31?	35.414	4.54
415	12.33	35.498	4.78
505*	11.75	35.444	3.66
595	9.86	35.235	3.25
690*	8.23	35.090	3.43
785	6.91	35.037	4.11
880*	5.77	35.012	4.93
1085	4.77	35.003	5.68
1295*	4.31	34.991	6.01
1515*	4.02	34.977	5.97
1810	3.76	34.969	6.29
2105*	3.57	34.967	6.35
2410	3.370	34.965	6.37
2815*	3.180	34.956	6.32
3225	2.800	34.939	6.27
3640*	2.460	34.920	6.27
4055	2.330	34.908	6.27
4465*	2.290	34.901	6.14
4875*	2.300	34.895	6.23
5080*	2.280	34.891	6.09
Station 839; 18 April; 39° 28′ N. 60° 31′ W.; Depth 5111 m.			
0	22.05	36.437	5.15
40	21.88	36.478	5.01
85	20.74	36.601	4.63
165	18.30	36.466	3.79
250	17.81	36.457	4.58
330*	17.22	36.355	4.47
410	13.80	36.109	4.01
485*	12.65?	35.543	5.52
565	12.57	35.534	5.24
645	11.02	35.384	3.35
725	8.67	35.118	3.39
805*	7.24	35.059	3.98
965	5.26	35.011	5.41
1125*	4.57	35.002	5.80
1330*	4.23	34.996	5.93
1625	3.92	34.980	6.21
2030*	3.66	34.966	6.21
2400	3.44	34.965	6.29
2760*	3.08	34.955	6.14
3140	2.830	34.944	6.21
3545*	2.550	34.925	6.23
3960	2.375	34.911	6.18
4380*	2.310	34.904	6.21
4795*	2.305	34.900	6.17
5000*	2.300	34.899	6.14

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 840; 18 April; 40° 05′ N. 60° 28′ W.; Depth 5071 m.			
0	22.09	36.477	5.27
45	21.96	36.466	4.80
85	20.60	36.616	4.55
175	18.64	36.524	4.38
260	17.52	36.387	4.10
345*	17.17	36.339	4.16
435	15.87	36.118	4.00
520*	13.65	35.765	3.71
605	11.29	35.429	3.26
690	—	35.099	3.47
775	7.22	35.048	4.43
860*	5.80	35.008	4.79
1035	4.77	34.987	5.36
1210*	4.36	34.991	5.88
1335*	4.16	34.985	6.11
1640	3.83	34.969	6.14
1945*	3.62	34.970	6.23
2360	3.37	34.961	6.19
2775*	3.05	34.949	6.19
3195	2.670	34.934	6.20
3605*	2.395	34.916	6.19
4015	2.295	34.905	6.14
4425*	2.310	34.900	6.19
4830*	2.320	34.896	6.18
5070*	2.305	34.895	—
Station 841; 19 April; 40° 30′ N. 60° 27′ W.; Depth 4970 m.			
0	21.60	36.485	5.03
40	21.52	36.481	5.11
80	20.90	36.454	4.54
155	18.63	36.515	3.76
235	17.15	36.309	3.76
315*	15.03	35.977	3.71
395	13.73	35.813	3.69
470*	11.53	35.481	3.31
550	9.19	35.174	3.29
630*	7.72	35.068	3.72
710	6.02	—	4.47
785	5.70	35.017	4.88
945	4.82	34.998	5.50
1100*	4.28	34.973	6.02
1290*	4.05	34.970	6.14
1570	3.83	34.967	6.19
1850*	3.63	34.961	6.29
2235	3.46	34.964	6.21
2625*	3.15	34.955	6.21
3025	2.860	34.940	6.21
3430*	2.575	34.926	6.22
3840	2.375	34.910	6.19
4255*	2.305	34.901	6.19
4675*	2.295	34.900	6.12
4885*	2.285	34.893	6.21

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 842; 19 April; 41° 04′ N. 60° 28′ W.; Depth 4850 m.			
0	6.92	33.502	7.51
45	9.38	34.544	6.76
85	11.71	35.286	5.92
170	12.26	35.493	5.16
255	9.14	35.048	3.76
340*	7.23	34.883	4.06
425	6.15	34.880	4.43
510*	5.99	35.003	4.65
595	5.32	34.991	5.14
685	5.05	34.986	5.53
770	4.52	34.969	5.86
860*	4.38	34.983	6.07
1035	4.14	34.976	6.39
1225*	3.97	34,972	6.17
1450*	3.81	34.964	6.02
1640	—	34.961	6.27
1935*	3.51	34.959	5.98
2220	3.37	34.961	6.25
2595*	3.09	34.953	6.22
2965	2.800	34.940	5.99
3340	2.570	34.929	5.99
3720	2.390	34.915	6.53
4105*	2.300	34.903	6.19
4525*	2.290	34.897	6.23
4730*	2.280	34.894	6.49
Station 843; 19 April; 41° 31′ N. 60° 28′ W.; Depth 4650 m.			
0	6.30	33.170	7.51
50	5.65	33.428	7.14
95	10.17	34.959	5.87
195	9.62	35.176	3.37
290	7.91	35.041	3.60
390*	6.69	34.981	4.21
485	5.81	34.994	4.81
585*	5.23	35.002	5.22
680	4.81	35.001	5.60
780*	4.55	35.003	5.86
875	—	34.996	5.92
970*	4.21	34.983	6.00
1165	4.00	34.976	6.26
1360*	3.82	34.963	6.25
1625*	3.65	34.965	6.13
1820	—	34.964	6.23
2110*	3.37	34.961	6.26
2410	3.22	34.957	—
2700*	3.00	34.948	6.32
3000	2.760	34.936	6.43
3290	2.525	34.922	6.33
3685	2.350	34.910	6.24
4080*	2.280	34.902	6.21
4470	2.245	34.898	6.33
4650*	2.260	34.893	Mud

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 844; 19 April; 41° 59′ N. 60° 30′ W.; Depth 4300 m.			
0	8.66	33.984	6.99
50	11.87	35.331	5.74
95	12.38	35.498	5.51
195	11.67	35.436	4.08
290	8.91	35.116	2.90
385*	6.28	34.864	4.39
485	5.24	34.865	4.96
585*	5.34	35.006	5.14
680	4.87	35.000	5.52
780*	4.63	34.998	5.72
880	4.43	34.992	5.91
980*	4.24	34.987	5.98
1175	3.99	34.975	6.14
1375*	3.83	34.967	6.25
1535*	3.73	34.964	6.27
1730	3.61	34.965	6.30
2025*	3.45	34.963	6.25
2320	3.25	34.958	6.26
2615*	3.04	34.948	6.41
2915	2.800	34.939	6.30
3210	2.545	34.924	6.47
3505	2.360	34.915	6.44
3805*	2.265	34.906	6.38
4100	2.235	34.901	6.44
4300	2.205	34.893	Mud
Station 845; 19 April; 42° 20′ N. 60° 29′ W.; Depth 3810 m.			
0	9.14	34.266	6.85
45	11.38	35.202	6.02
90	12.58	35.546	5.32
185	10.93	—	3.73
275	8.84	35.110	3.53
370*	7.33	35.060	3.94
460	6.03	35.015	4.70
555*	5.29	35.009	5.22
650	4.92	35.005	5.47
750*	4.63	35.001	5.73
845	4.45	35.000	5.84
940*	4.30	34.993	6.01
1135	3.99	34.976	6.20
1330*	3.85	34.967	6.24
1470*	3.72	34.960	6.34
1665	3.61	34.963	6.38
1860*	3.53	34.964	6.30
2055	3.43	34.964	6.30
2255*	3.30	34.958	6.33
2550	3.075	34.956	6.38
2840*	2.845	34.937	6.37
3135	2.610	34.933	6.43
3430*	2.440	34.927	6.50
3720	2.315	34.917	6.44
3810*	2.310	34.907	Mud

Station 846; 20 April; 42° 39′ N. 60° 28′ W.; Depth 3080 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	11.05	35.055	6.39
40	12.80	35.590	5.38
85	12.77	35.596	5.51
170	12.31	35.540	4.67
255	9.89	35.233	3.20
340*	8.16	35.093	3.44
425	6.65	35.039	4.22
510*	5.21	—	5.07
600	4.93	34.955	5.46
685*	4.67	34.960	5.68
775	4.44	34.964	6.08
865	—	—	5.97
1045	4.08	34.964	6.32
1235*	3.89	34.950	6.25
1625*	3.66	34.951	6.38
1825	3.55	34.954	6.32
2025*	3.46	34.960	6.32
2230	3.35	34.952	6.26
2430*	3.18	34.951	6.27
2630	3.000	34.946	6.26
2930*	2.750	34.934	6.38
3080*	2.650	34.935	—

Station 847; 20 April; 43° 00′ N. 60° 29′ W.; Depth 2424 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	5.57	33.351	7.46
50	5.62	33.522	7.16
100	7.73	34.500	5.26
200	6.91	34.811	4.26
300	6.04	34.877	4.54
395*	5.29	34.898	5.03
495	4.94	34.935	5.44
1515	3.675	34.948	6.44
1715*	3.610	34.950	6.35
1915	3.500	34.952	6.31
2115*	3.390	34.954	6.38
2315	3.305	34.952	6.34
2415*	3.190	34.951	6.23

Station 848; 20 April; 43° 20′ N. 60° 30′ W.; Depth 520 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	2.41	32.323	8.04
35	3.23	32.851	8.04
65	4.19	33.402	6.85
115*	7.94	34.491	5.55
165	8.51	34.769	4.65
215*	8.67	34.971	4.03
265	8.13	34.954	3.94
315*	6.80	34.849	4.21
365	—	34.910	4.59
420*	5.30	34.912	5.00
470	5.03	34.892	5.22
520*	4.74	34.904	5.49

Station 849; 20 April; 44° 02′ N. 58° 30′ W.; Depth 571 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	2.03	32.196	8.04
30	1.47	32.204	8.18
60	1.15	32.405	8.09
90	1.14	32.680	7.72
120	2.46	33.150	6.68
150*	4.40	33.727	5.94
200	6.60	34.801	4.42
250*	5.83	34.790	4.66
300	5.32	34.788	4.73
350*	5.15	34.829	4.95
400	4.96	34.877	5.18
450*	4.88	34.896	5.38
500	4.81	34.902	5.44
545*	4.71	34.916	5.54

Station 850; 20 April; 43° 40′ N.; 58° 31′ W.; Depth 3000 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	1.69	32.286	8.18
50	0.98	32.394	8.26
100	1.71	32.940	7.05
200	5.75	34.368	4.88
300	5.60	34.730	4.57
400*	5.54	34.915	4.86
500	5.04	34.936	5.32
600*	4.73	34.951	5.66
695	4.48	34.959	5.84
795*	4.39	34.963	5.95
895	4.20	34.952	6.10
995*	4.19	34.963	6.11
1195	4.02	34.970	6.25
1395*	3.85	34.954	6.32
1585	3.77	34.953	6.39
1785*	3.69	34.947	6.65
1985	3.565	34.954	6.48
2185*	3.445	34.956	6.43
2385	3.215	34.960	6.59
2585*	3.010	34.949	6.50
2785	2.780	34.938	6.52
2985*	2.645	34.933	6.33

Station 851; 21 April; 43° 19′ N. 58° 30′ W.; Depth 3590 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	3.83	32.886	7.78
50	4.45	33.214	7.45
100	6.95	34.280	5.88
200	7.07	34.686	4.49
300	6.19	34.860	4.48
400*	5.33	34.885	5.00
495	4.91	34.920	5.53
595*	4.58	34.940	6.32
695	4.34	34.941	6.14
795*	4.23	34.950	6.05
895	4.15	34.956	6.08
995*	4.05	34.950	6.25
1195	3.91	34.957	6.24
1395*	3.77	34.950	6.32
1615*	3.65	34.950	6.21
1815	—	34.951	6.63
2015*	3.46	34.951	6.06
2215	3.33	34.953	6.17
2415*	3.21	34.953	6.50
2615	3.005	34.944	6.17
2810*	2.840	34.939	6.43
3010	2.700	34.933	6.44
3210*	2.560	34.928	6.44
3405	2.490	34.923	6.58
3590*	2.395	34.920	Mud

Station 852; 21 April; 43° 00′ N. 58° 28′ W.; Depth 3655 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	10.32	34.914	6.35
50	12.53	35.517	5.44
95	12.47	35.524	5.62
195	12.12	35.505	4.56
295	9.43	35.196	3.43
390*	7.75	35.072	3.78
1540*	3.73	34.954	6.86
1735	3.61	34.956	6.56
1935*	3.54	34.973	6.50
2130	3.47	34.957	6.48
2325*	3.33	34.959	6.65
2525	3.150	34.951	6.53
2720*	2.965	34.944	6.56
2920	2.770	34.933	6.56
3120*	2.600	34.925	6.56
3405	2.445	34.915	6.65
3655*	2.235	34.909	Mud

Station 853; 21 April; 42° 40′ N. 58° 30′ W.; Depth 4245 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	13.09	35.635	6.28
50	13.05	35.625	6.02
100	12.86	35.534	—
195	12.62	35.539	5.92
295	11.24	35.403	3.76
395*	8.98	35.193	3.31
495	7.07	35.052	4.49
590	5.50	34.977	4.98
690	4.97	34.964	5.47
790*	4.53	34.949	6.50
890	4.40	34.969	6.12
985*	4.33	34.987	6.31
1185	4.08	34.980	6.39
1380*	3.88	34.957	6.61
1510*	3.79	34.960	6.47
1705	3.67	34.963	6.33
1900*	3.61	34.966	6.32
2190	3.45	34.964	6.28
2485*	3.235	34.953	6.33
2780	2.985	34.946	6.35
3075*	2.740	34.939	—
3370	2.475	34.925	6.37
3665*	2.310	34.916	6.37
3965	2.255	34.906	6.38
4160*	2.230	34.905	6.31

Station 854; 21 April; 42° 21′ N. 58° 29′ W.; Depth 4560 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	13.61	35.729	5.94
50	13.55	35.727	5.79
95	13.52	35.724	5.65
190	12.83	35.632	5.20
290	11.33	35.424	3.37
385*	9.09	35.180	3.31
480	7.38	35.047	4.04
580*	5.76	34.950	4.75
675	5.22	34.976	5.26
775*	4.58	34.960	5.80
870	4.42	34.964	6.04
970*	4.28	34.970	6.02
1160	4.10	34.971	6.14
1355*	3.91	34.960	6.20
1530*	3.76	34.957	6.37
1925	3.54	34.957	6.27
2220*	3.39	34.962	6.30
2515	3.20	34.951	6.26
2810*	2.98	34.944	6.26
3110	2.745	34.935	6.33
3405*	2.475	34.920	6.30
3700	2.340	34.910	6.23
4095*	2.265	34.903	6.08
4485	2.235	34.899	6.20
4560*	2.235	—	—

Station 855; 21 April; 42° 00′ N. 58° 29′ W.; Depth 4770 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	15.01	35.879	5.75
45	13.33	35.608	5.07
95	12.82	35.556	5.78
190	12.39	35.494	5.51
285	12.20	35.527	4.67
380*	9.34	35.177	3.44
480	7.00	34.933	4.10
575*	6.24	35.014	4.62
675	5.15	34.971	5.32
770*	4.83	34.989	5.74
870	4.56	34.993	5.79
965*	4.46	34.995	5.91
1165	4.14	34.981	5.84
1360*	3.92	34.968	6.21
1505*	3.82	34.964	6.26
1805	3.64	34.960	6.30
2100*	3.46	34.956	6.40
2400	3.32	34.961	6.24
2700*	3.11	34.951	6.39
3000	2.885	34.939	6.26
3395*	2.590	34.926	6.30
3790	2.375	34.912	6.32
4180*	2.300	34.904	6.33
4565	2.270	34.902	6.25

Station 856; 21 April; 41° 31′ N. 58° 31′ W.; Depth 4949 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	16.49	36.133	5.72
50	14.83	35.887	4.02
100	12.89	35.517	5.19
195	12.64	35.558	5.27
295	10.91	35.364	3.32
395*	8.75	35.129	3.35
490	6.96	35.049	4.17
590*	5.67	35.008	4.93
690	5.18	35.009	5.26
790*	4.79	35.001	5.59
890	4.55	34.998	5.78
990*	4.35	34.991	5.98
1190	4.09	34.980	6.14
1390*	3.91	34.969	6.20
1570*	3.78	34.966	—
1870	3.58	34.967	6.23
2170*	3.39	34.965	6.23
2470	3.20	34.957	6.23
2770*	2.98	34.947	6.31
3170	2.625	34.931	6.32
3570*	2.405	34.916	6.26
3970	2.305	34.904	6.21
4370*	2.280	34.900	6.10

Station 857; 22 April; 41° 00′ N. 58° 30′ W.; Depth 5050 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	16.48	36.120	5.67
45	15.41	35.919	5.28
90	14.21	35.740	5.28
180	12.88	35.582	5.14
270	12.18	35.505	4.35
360*	9.38	35.157	3.25
455	7.44	35.055	3.90
545*	6.03	35.014	4.76
640	5.30	35.018	5.14
1425*	3.80	34.974	6.08
1720	3.60	34.964	6.32
2115*	3.48	34.971	6.26
2515	3.15	34.955	6.27
2915*	2.83	34.946	6.31
3320	2.580	34.923	6.27
3720*	2.450	34.915	6.26
4120	2.310	34.905	6.27
4520*	2.285	34.902	6.28
4915	2.270	34.891	6.20

Station 858; 22 April; 40° 30′ N. 58° 29′ W.; Depth 5115 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	15.34	35.971	5.65
45	15.26	35.969	5.61
90	12.74	35.477	5.64
185	12.96	35.601	5.58
275	11.88	35.453	4.16
370*	9.27	35.186	3.27
465	7.52	35.063	3.86
555*	6.41	35.029	4.61
650	—	35.028	4.49
745*	4.90	35.008	5.54
840	4.61	35.007	5.61
940*	4.40	34.996	5.91
1130	4.14	34.986	6.14
1325*	3.93	34.971	6.20
1570*	3.74	34.967	6.35
1860	3.57	34.967	6.32
2155*	3.43	34.967	6.23
2450	3.24	34.959	6.26
2845*	2.96	34.947	6.38
3245	2.680	34.933	6.17
3645*	2.460	34.920	6.27
4045	2.335	34.906	6.23
4440*	2.300	34.900	6.44
4835	2.310	34.896	6.24
5115*	2.255	34.886	6.08 Mud

Station 859; 22 April; 40° 01′ N. 58° 27′ W.; Depth 5170 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	10.48	34.293	7.60
45	11.95	35.146	6.00
90	12.41	35.497	5.55
185	12.48	35.535	5.62
275	12.01	35.433	5.26
370*	10.35	35.294	3.36
460	8.47	35.108	3.78
555*	7.18	35.059	4.14
645	6.02	35.017	4.70
740*	5.43	35.016	5.11
835	4.88	34.998	5.66
925*	4.72	34.999	5.67
1115	4.31	34.988	6.06
1300*	4.08	34.980	6.14
1425*	3.99	34.987	6.06
1795	3.62	34.964	6.37
2170*	3.34	34.961	6.23
2545	3.085	34.949	6.26
2925*	2.750	34.930	6.44
3310	2.540	34.920	6.26
3695	2.350	34.908	6.27
4080	2.300	34.900	6.27
4465*	2.300	34.895	6.17
4850*	2.325	34.891	6.26
5040*	2.340	34.891	6.21

Station 860; 23 April; 39° 25′ N. 58° 26′ W.; Depth 5205 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	18.39	36.543	5.45
45	18.38	36.552	5.33
95	18.43	36.553	5.32
190	18.14	36.523	5.02
285	17.95	36.501	4.95
385*	17.56	36.411	4.80
480	16.58	36.234	4.47
575*	14.70	35.930	4.02
675	12.75	35.608	3.71
775*	10.31	35.370	3.49
875	7.77	35.040	3.84
970*	6.29	35.053	4.61
1170	4.82	34.998	5.72
1370*	4.34	35.016	5.90
1530*	4.12	34.986	6.14
1830	3.81	34.966	6.23
2230*	3.58	34.973	6.25
2630	3.360	34.964	—
3030*	2.980	34.953	6.10
3430	2.655	34.948	6.30
3830*	2.455	34.913	6.33
4230	2.330	34.907	6.14
4630	2.310	34.902	6.21
5030*	2.310	34.898	6.21
5205*	2.300	34.891	Mud

Station 861; 23 April; 38° 59′ N. 58° 31′ W.; Depth 5205 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	18.28	36.518	5.55
50	18.28	36.528	5.59
95	18.18	36.511	4.93
195	17.92	36.505	5.33
290	17.86	36.493	4.93
385*	17.56	36.423	5.09
480	17.17	36.361	4.80
580*	15.73	36.080	4.03
680	—	35.961	4.02
785*	11.45	—	4.14
885	8.87	35.097	3.42
980	—	—	3.38
1180	5.20	35.100	5.20
1380*	4.54	35.013	5.81
1650*	4.05	34.983	6.17
1940	3.80	34.966	6.18
2330*	3.55	37.969	6.27
2720	3.30	34.963	6.14
3115*	2.99	34.949	6.23
3510	2.690	35.933	6.26
3900*	2.440	34.914	6.23
4295	2.330	34.907	6.20
4685	2.310	34.904	6.15
5075*	2.295	34.893	6.23
5205*	2.275	34.893	Mud

Station 862; 23 April; 38° 30′ N. 58° 31′ W.; Depth 5190 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	17.88	36.508	5.38
50	17.88	36.507	5.34
100	17.86	36.503	5.33
200	17.64	36.484	5.22
300	17.52	36.456	5.05
400*	17.49	36.462	5.12
500	17.46	36.464	5.08
600*	16.84	36.311	4.75
700	14.52	35.896	4.06
800*	12.22	35.612	3.61
900	9.18	35.190	3.45
1000*	7.16	35.048	4.13
1200	5.32	35.023	5.26
1400*	4.53	34.996	5.86
1500*	4.36	34.994	5.98
1795	3.95	34.975	6.23
2195*	3.66	34.968	6.26
2595	3.45	34.971	6.21
2995*	3.175	34.961	6.14
3395	2.850	34.944	6.33
3795*	2.585	34.928	6.10
4195	2.410	34.914	6.24
4595*	2.335	34.905	6.21
4995*	2.325	34.900	6.17
5190*	2.310	34.895	Mud

Station 863; 24 April; 38° 00′ N. 58° 29′ W.; Depth 5195 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	19.87	36.373	5.28
45	19.87	36.495	5.20
90	19.28	36.572	4.96
185	18.75	36.565	4.99
280	18.21	36.510	4.69
375*	17.74	36.447	4.62
470	17.23	36.374	4.55
565*	16.04	36.163	4.20
665	14.34	35.876	3.70
760*	11.84	35.451	4.08
860	9.31	35.193	3.37
960	7.48	35.074	3.97
1160	5.27	35.022	5.31
1360*	4.90	35.061	5.65
1420*	4.76	35.061	5.91
1720	4.06	34.992	6.33
2120*	3.74	34.989	6.26
2520	3.46	34.973	6.31
2920*	3.09	34.955	6.39
3320	2.780	34.943	6.38
3720*	2.550	34.930	6.20
4125	2.370	34.914	6.20
4625*	2.300	34.909	6.33
5125*	2.245	34.886	6.00
5195*	2.260	34.867	6.13 Mud

Station 864; 24 April; 37° 35′ N. 58° 28′ W.; Depth 5180 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
0	19.90	36.501	5.33
40	19.91	36.513	5.26
85	19.11	36.583	4.99
170	18.76	36.518	5.39
255	18.28	36.568	4.74
345*	18.12	36.548	4.98
435	17.54	36.443	4.50
530*	16.41	36.223	4.13
625	14.41	35.897	3.90
720*	12.53	35.596	3.49
820	9.33	35.209	3.31
920*	7.52	35.087	4.22
1120	5.08	35.014	5.39
1325	4.48	35.010	5.81
1645	3.99	34.994	6.08
1940	3.73	34.987	6.21
2740	3.15	34.965	6.18
3145*	2.81	34.941	6.48
3555	2.555	34.925	6.20
3960*	2.385	34.919	6.19
4365	2.310	34.903	6.19
4770	2.305	34.898	6.18
5170*	2.330	34.896	6.14
5180*	2.335	34.893	Mud

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 865; 24 April; 37° 00′ N. 58° 28′ W.; Depth 4830 m.			
0	19.31	36.521	5.29
45	19.16	36.518	5.23
95	19.08	36.531	5.38
190	18.26	36.538	5.08
285	18.04	36.522	5.00
380*	18.01	36.515	5.02
475	17.60	36.424	4.65
575*	16.30	36.192	4.09
670	13.86	35.797	3.69
770*	11.26	35.427	3.37
865	8.82	35.162	3.45
965*	6.54	35.032	4.48
1160	4.89	35.006	5.56
1355*	4.40	34.996	5.86
1555	4.07	34.983	6.08
1855	3.76	34.969	6.25
2155*	3.60	34.966	6.23
2455	3.40	34.967	6.26
2755*	3.19	34.965	6.18
3055	2.995	34.950	6.18
3450*	2.725	34.937	6.25
3850	2.465	34.918	6.26
4250	2.320	34.906	6.23
4650*	2.275	34.897	6.14
4830*	2.280	34.892	Mud
Station 866; 24 April; 36° 28′ N. 58° 30′ W.; Depth 5000 m.			
0	18.78	36.561	5.47
50	18.70	36.561	5.45
100	18.39	36.540	5.06
200	18.05	36.509	5.09
300	17.90	36.493	5.05
400*	17.77	36.460	4.96
500	17.12	36.334	4.55
600*	15.64	36.075	4.14
700	13.19	35.686	3.69
800*	10.50	35.326	3.31
900	8.34	35.105	3.51
1000*	6.89	35.081	4.29
1200	5.03	35.016	5.45
1400*	4.47	35.016	5.82
1480*	4.27	34.996	5.97
1775	3.88	34.972?	6.20
2070	3.68	34.996?	6.23
2365	3.53	34.972	6.24
2665*	3.27	34.966	6.18
3060	2.960	34.954	6.20
3455*	2.655	34.930	6.23
3855*	2.375	34.915	6.25
4255*	2.300	34.908	6.26
4660*	2.280	34.901	6.20
4860*	2.290	34.899	6.06
			Mud

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 867; 25 April; 35° 56′ N. 58° 28′ W.; Depth 4437 m.			
0	18.80	36.562	5.45
45	18.77	36.566	5.42
95	18.72	36.566	5.34
190	18.38	36.544	5.02
280	18.04	36.513	5.39
375*	17.97	36.498	5.13
465	17.69	36.447	4.77
560*	17.11	36.344	4.56
650	15.80	36.116	4.14
740*	13.75	35.794	3.96
835	11.35	35.440	3.38
925*	8.98	35.169	3.29
1105	5.92	35.028	4.79
1290*	4.93	35.019	5.41
1375*	4.54	35.009	5.61
1545	4.19	34.990	5.99
1810*	3.92	34.983	6.08
2070	3.80	34.991	5.93
2335*	3.61	34.985	6.08
2605	3.340	34.977	6.17
2870*	3.135	34.961	6.10
3145	2.920	34.963	6.10
3415*	2.665	34.940	6.24
3785	2.440	34.923	6.13
3965	2.360	34.916	6.26
Station 868; 25 April; 35° 00′ N. 58° 29′ W.; Depth 5195 m.			
0	18.28	36.532	5.54
45	18.24	36.536	5.61
90	17.93	36.507	5.32
180	17.75	36.490	5.27
270	17.66	36.480	5.11
365*	17.43	36.432	5.03
460	16.91	36.336	4.89
550*	15.74	36.107	4.26
650	13.43	35.709	4.37
745*	11.30	35.433	3.48
840	9.64	35.268	3.55
940*	8.12	35.147	3.90
1140	5.75	35.048	5.07
1340*	5.04	35.065	5.54
1615*	4.49	35.047	5.82
1915	3.92	35.002	6.27
2215*	3.68	34.996	6.20
2610	3.38	34.976	6.15
3010*	3.050	34.952	6.35
3410	2.745	34.936	6.20
3805*	2.480	34.918	6.21
4205	2.360	34.911	6.30
4605*	2.320	34.905	6.10
5005*	2.320	34.896	6.18
5195*	2.315	34.896	Mud

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 869; 25 April; 34° 00′ N. 58° 29′ W.; Depth 4800 m.			
0	18.82	36.528	5.55
45	18.76	36.566	5.47
90	18.16	36.496	5.44
175	17.83	36.487	5.03
265	17.74	36.472	5.14
350	17.21	36.361	—
440	16.18	36.177	—
525*	14.78	35.952	—
615	13.24	35.715	—
705*	11.25	35.440	—
795	9.12	35.198	—
880*	7.50	35.100	—
1065	5.76	35.074	—
1250*	4.78	35.029	—
1410*	4.56	35.043	—
1600	—	35.000	—
1880*	3.98	35.032	—
2155	3.61	34.990	—
2530*	3.22	34.961	—
2910	2.900	34.944	—
3290*	2.590	34.932	—
3670	2.375	34.914	—
4055*	2.285	34.905	—
4440*	2.255	34.894	—
4635*	2.235	34.890	—

Station 870; 26 April; 33° 00′ N. 58° 28′ W. Depth 4875 m.

Depth, meters	Temperature, °C	Salinity, ‰
0	19.72	36.676
50	19.70	36.674
95	19.06	36.570
195	18.43	36.516
290	17.89	36.454
390*	17.45	36.389
490	16.56	36.244
585*	14.65	35.928
685	13.24	35.745
785*	11.14	35.460
885	8.88	35.230
985*	7.58	35.154
1180	5.83	35.121
1380*	5.04	35.091
1540*	4.68	35.079
1830	—	35.041
2125*	3.60	34.997
2420	3.36	34.984
2715*	3.10	34.963
3105	2.810	34.944
3500*	2.575	34.923
3895	2.370	34.913
4290*	2.285	34.899
4685*	2.255	34.889
4875*	2.230	—

Station 871; 4 May; 38° 10′ N. 68° 29′ W. Depth —

Depth, meters	Temperature, °C	Salinity, ‰
0	23.38	36.332
45	20.10	35.796
85	8.25?	33.990
175	11.44	35.216
260	10.05	35.241
350	7.95	35.084
440	6.21	35.016
525	5.28	34.980
615	4.96	35.001
710*	4.80	34.992
800	4.45	34.993
985*	4.14	34.984
1170	3.97	34.973
1360*	3.82	34.966

Station 872; 4 May; 38° 00′ N. 68° 27′ W.; Depth 4060 m.

Depth, meters	Temperature, °C	Salinity, ‰
0	23.36	36.429
45	23.32	36.430
95	22.33	36.640
185	18.37	36.459
275	15.95	36.201
355*	13.93	35.799
425	11.78	35.465
490*	10.19	35.286
550	8.68	35.121
605	7.46?	35.062
650	6.28	34.992
750*	5.11	34.991
870	4.76	35.002
1010*	4.32	34.980

Station 873; 4 May; 37° 50′ N. 68° 28′ W.; Depth 4148 m

Depth, meters	Temperature, °C	Salinity, ‰
0	23.75	36.409
50	23.04	36.509
100	21.42	36.640
200	18.86	36.543
300	17.90	36.465
395*	17.18	36.343
490	15.42	36.062
580*	12.45	35.601
670	9.41	35.163
755*	8.46	35.093
840	6.48	35.022
1010*	4.94	35.013
1185	4.39	34.990
1365*	4.06	34.971

Station 874; 5 May; 37° 40′ N. 68° 30′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
0	22.74	36.454
50	22.73	36.451
100	21.49	36.631
200	18.54	36.539
295	18.04	36.532
395*	17.98	36.524
495	17.86	36.514
590*	15.91	36.133
690	13.93	35.813
785*	10.23	35.311
880	8.44	35.101
1065*	5.27	35.017
1255	4.52	34.986
1445*	4.20	34.982

Station 875; 7 May; 38° 00′ N. 66° 38′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
0	24.03	36.331
45	23.99	36.320
90	20.29	36.329
180	18.07	36.425
265	14.34	35.651
345*	12.75	35.502
420	10.94	35.296
495*	9.56	35.231
565	8.32	35.079
635*	7.02	35.049
700	6.01	35.037
770*	5.13	34.992
850	4.98	35.016
1025*	4.60	35.021
1205	4.235	34.997

Station 876; 9 May; 38° 31′ N. 68° 29′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
0	20.85	35.555
50	10.19	34.403
95	11.45	35.159
190	10.83	35.304
285	8.39	35.072
380*	6.86	35.012
480	5.70	35.016
575*	5.00	35.010
670	4.68	35.002
765*	4.44	34.998
860	4.27	34.990
955*	4.12	34.984
1050	4.04	34.977
1245*	3.85	34.969
1435	3.730	34.966

Station 877; 9 May; 38° 20′ N. 68° 26′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
0	23.87	36.211
45	16.23	34.617
90	7.18	33.577
185	13.17	35.688
275	10.10	35.242
365*	8.37	35.089
460	6.39	34.985
550*	5.58	35.012
645	4.91	35.004
735*	4.60	34.995
830	4.42	34.997
1015	4.105	34.978
1200*	3.900	34.971
1385	3.750	34.966

Station 878; 9 May; 38° 10′ N. 68° 30′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
0	24.47	36.290
50	24.45	36.311
95	21.43	36.132
190	16.20	36.094
285	11.23	35.238
375*	9.95	35.208
460	8.28	35.098
550*	7.07	35.074
635	5.42	34.976
725*	4.73	34.961
815	4.64	34.997
905*	4.47	35.000
995	4.31	34.994
1175*	4.04	34.983
1355	3.84	34.969

Station 879; 9 May; 38° 00′ N. 68° 30′ W.; Depth 4029

Depth, meters	Temperature, °C	Salinity, ‰
0	24.44	36.323
45	24.09	36.367
90	23.00	36.456
180	18.82	36.360
265	16.77	36.200
350*	13.82	35.788
430	12.55	35.610
505*	10.13	35.246
580	8.97	35.169
650*	7.53	35.090
720	6.43	35.064
855	4.92	34.993
1005*	4.52	35.004
1195*	4.140	34.998

Station 880; 9 May; 37° 50′ N. 68° 30′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
0	24.32	36.386
40	24.30	36.386
85	24.30	36.388
165	23.62	36.655
245	18.97	36.547
325*	17.85	36.454
400	16.68	36.267
475*	13.91	35.793
545	12.87	35.657
610*	11.07	35.423
670	9.48	35.235
730*	8.36	35.138
785	7.15	35.078
905*	5.61	35.050
1055*	4.680	35.015

Station 881; 13 May; 38° 44′ N. 63° 32′ W.; Depth 2700 m.

Depth, meters	Temperature, °C	Salinity, ‰
0	24.35	36.335
50	20.30	36.576
100	18.41	36.533
200	18.11	36.497
300	17.30	36.352
395*	16.09	36.163
495	14.13	35.846
595*	10.83	35.330
690	7.92	35.102
785*	5.86	35.015
885	4.90	—
980*	4.75	34.981
1070	4.71	34.999
1260*	4.26	34.987
1460*	4.020	34.987

Station 882; 13 May; 38° 56′ N. 63° 25′ W.; Depth 4709 m.

Depth, meters	Temperature, °C	Salinity, ‰
0	24.19	36.333
50	21.46	35.998
95	18.32	36.052
190	14.58	35.784
280	11.28	35.179
360*	11.47	35.390
440	9.72	35.218
515*	7.92	35.067
590	6.42	35.105
665*	5.53	35.002
740	5.11	35.005
815*	4.82	35.006
890	4.66	34.999
1045*	4.28	34.995
1240*	3.985	34.990

Station 883; 13 May; 38° 34′ N. 63° 28′ W.; Depth 4559 m.

Depth, meters	Temperature, °C	Salinity, ‰
0	19.43	36.548
50	18.45	36.548
95	18.38	36.548
190	18.31	36.536
285	17.95	36.494
375*	17.50	36.391
470	16.18	36.169
565*	14.37	35.870
660	12.58	35.612
750*	10.06	35.287
845	8.28	35.097
935*	6.29	35.028
1025	5.18	34.988
1205*	4.57	35.003
1400*	4.275	35.040?

Station 884; 25 May; 33° 00′ N. 64° 00′ W.; Depth 4549 m.

Depth, meters	Temperature, °C	Salinity, ‰
0	21.33	36.513
50	19.41	36.585
95	18.62	36.567
195	18.33	36.552
290	18.22	36.552
385*	18.09	36.523
485	17.58	36.424
580*	16.66	36.266
680	15.07	36.000
775*	13.06	35.682
875	10.36	35.323
970*	8.18	35.131
1165	5.42	35.039
1360*	4.58	35.023
1555*	4.24	35.005
1850	3.82	34.981
2145*	3.59	34.984
2445	3.34	34.975
2740*	3.08	34.957
3040	2.740	34.945
3340*	2.505	34.949?
3640	2.310	34.913
3940*	2.255	34.911
4340	2.250	34.900
4540*	2.165	34.903

Station 885; 26 May; 33° 30′ N. 63° 57′ W.; Depth 4536 m.

Depth, meters	Temperature, °C	Salinity, ‰
0	22.18	36.489
50	19.18	36.580
100	18.88	36.584
200	18.34	36.545
300	18.06	36.519
400*	17.99	36.508
500	17.45	36.403
600*	16.44	36.210
700	14.71	35.931
800*	12.73	35.650
900	10.42	35.340
1000*	7.87	35.110
1200	5.21	35.025
1400*	4.48	35.008
1490*	4.29	35.003
1785	3.86	34.975
2085*	3.60	34.970
2385	3.44	34.970
2685*	3.16	34.961
2985	2.865	34.952
3285*	2.610	35.010?
3590	2.425	34.920
3990	2.300	34.908
4385	2.270	34.901

Station 886; 26 May; 34° 00′ N. 64° 00′ W.; Depth 4930 m.

Depth, meters	Temperature, °C	Salinity, ‰
0	22.94	36.473
45	22.10	36.540
95	20.08	36.586
190	18.52	36.554
285	18.18	36.547
380*	18.01	36.522
480	17.93	36.528
580*	17.75	36.472
685	15.98	36.149
790*	14.20	35.852
895	11.58	35.478
995*	9.10	35.189
1200	5.55	35.028
1395*	4.78	35.038
1625*	4.15	34.990
1920	3.81	34.970
2210*	3.60	34.977
2495	3.43	34.970
2780*	3.16	34.965
3070	2.910	34.951
3455*	2.590	34.991?
3845	2.400	34.915
4230*	2.315	34.914
4610*	2.295	34.901
4930*	2.315	34.891

Station 887; 26 May; 34° 30′ N. 64° 00′ W.; Depth 5046 m.

Depth, meters	Temperature, °C	Salinity, ‰
0	21.81	36.489
50	19.11	36.575
95	19.01	36.573
195	18.80	36.560
290	18.54	36.542
385*	18.35	36.536
485	18.19	36.536
580*	18.05	36.517
680	17.59	36.431
780*	16.43	36.219
875	14.04	35.830
975*	10.93	35.397
1170	6.50	35.042
1365*	4.94	35.007
1645*	4.22	34.990
1940	3.83	34.973
2235*	3.63	34.974
2535	3.455	34.969
2830*	3.210	34.961
3230	2.845	34.944
3625*	2.495	34.949?
4025	2.355	34.914
4420*	2.290	34.907
4820*	2.305	34.904
5020*	2.300	34.897

Station 888; 26 May; 35° 00′ N. 63° 58′ W.; Depth 5027 m.

Depth, meters	Temperature, °C	Salinity, ‰
0	22.34	36.490
45	19.90	36.560
90	19.09	36.585
185	18.49	36.563
275	18.29	36.545
370*	18.17	36.531
465	18.06	36.527
560*	17.59	36.435
655	16.76	36.276
755	15.31	36.018
850	13.65	35.766
945*	11.11	35.418
1135	7.32	35.079
1330*	5.19	35.015
1505*	4.45	35.000
1775	4.02	34.986
2090*	3.77	34.971
2385	3.60	34.970
2780*	3.34	34.967
3185	2.970	34.950
3585*	2.615	34.972?

Station 889; 27 May; 35° 34′ N. 63° 56′ W.; Depth 5100 m.

Depth, meters	Temperature, °C	Salinity, ‰
0	22.47	36.337
40	20.46	36.551
80	19.35	36.569
165	18.23	36.539
250	18.04	36.529
335*	18.01	36.536
420	17.97	36.529
510*	17.92	36.521
600	17.59	36.450
690*	16.13	36.169
785	14.40	35.879
880*	11.96	35.535
1070	7.48	35.064
1255*	5.29	35.024
1305*	5.01	35.011
1630	4.23	34.988
2065	3.77	34.979
2475	3.49	34.970
2880	3.16	34.961
3290*	2.76	34.938
3695	2.465	34.922
4100	2.305	34.933?
4505*	2.290	34.900
4915*	2.325	34.901
5100*	2.345	34.896

Station 890; 27 May; 36° 01′ N. 63° 59′ W.; Depth 5054 m.

Depth, meters	Temperature, °C	Salinity, ‰
0	21.00	36.449
50	19.79	36.510
100	18.80	36.541
195	18.00	36.483
295	17.95	36.509
390*	17.76	36.479
490	16.87	36.302
590*	15.26	36.020
685	13.27	35.715
785*	10.86	35.389
885	9.12	35.195
980*	6.95	35.056
1175	5.13	35.030
1370*	4.51	35.004
1610*	4.03	34.977
1900	3.76	34.970
2190	3.57	34.967
2485	3.40	34.970
2875*	3.09	34.955
3270	2.730	34.937
3665*	2.465	34.971?
4065	2.345	34.909
4465*	2.305	34.904
4865*	2.320	34.895

Depth, meters	Temperature, °C	Salinity, ‰
Station 891; 27 May; 36° 32′ N. 64° 00′ W.; Depth 4952 m.		
0	21.04	36.490
50	19.35	36.530
100	18.54	36.498
195	17.98	36.488
295	17.71	36.463
395*	17.17	36.357
490	15.84	36.120
585*	13.97	35.819
680	12.25	35.567
775*	9.60	35.248
870	7.73	35.093
965	—	35.052
1155	4.87	35.003
1340*	4.54	35.023
1390*	4.31	34.994
1665	3.90	34.974
1935	—	34.973
2210	3.59	34.987
2490*	3.40	34.968
2860	3.095	34.955
3235*	2.795	34.988?
3610	2.515	34.923
3985*	2.350	34.909
4365	2.305	34.906
4555	2.295	34.899
Station 892; 27 May; 37° 01′ N. 64° 02′ W.; Depth 4946 m.		
0	22.64	36.495
50	20.49	36.515
100	19.11	36.561
200	18.30	36.529
300	18.02	36.506
400*	17.68	36.444
500	17.10	36.326
595*	15.79	36.107
695	13.69	35.776
795*	10.98	35.397
895	8.73	35.148
995*	6.90	35.046
1195	5.09	35.022
1395*	4.49	35.001
1570*	4.12	34.984
1865	3.79	34.969
2160*	3.60	34.967
2455	3.42	34.971
2745*	3.19	34.959
3040	2.920	34.948
3435	2.570	35.002?
3825	2.365	34.914
4215*	2.305	34.908
4610*	2.300	34.903
4855*	2.305	34.894

Depth, meters	Temperature, °C	Salinity, ‰
Station 893; 28 May; 37° 31′ N. 64° 02′ W.; Depth 5027 m.		
0	21.27	36.431
50	19.76	36.478
100	18.94	36.554
200	18.27	36.534
300	18.01	36.510
400*	17.89	36.486
500	17.54	36.429
600*	16.44	36.217
700	14.51	35.898
800*	12.52	35.581
900	10.02	35.276
1000*	7.80	35.093
1200	5.15	35.009
1400*	4.52	34.994
1630*	4.15	34.977
1930	3.86	34.976
2230*	3.64	34.973
2530	3.45	34.970
2830*	3.22	34.961
3225	2.860	34.943
3625*	2.540	34.970?
4025	2.360	34.911
4425*	2.320	34.904
4825*	2.315	34.896
5025*	2.290	34.891
Station 894; 28 May; 38° 00′ N. 63° 57′ W.; Depth 5018 m.		
0	21.06	36.487
50	20.72	36.559
100	19.14	36.584
200	18.30	36.545
300	18.12	36.542
400*	18.02	36.518
500	17.70	36.469
600*	16.64	36.256
700	14.94	35.972
800*	12.70	35.646
895	10.47	35.338
995*	7.96	35.109
1195	5.29	35.028
1395*	4.57	35.021
1620*	4.10	34.990
1920	3.79	34.985
2215*	3.57	34.976
2510	3.43	34.980
2805*	3.20	34.975
3205	2.860	34.953
3600	2.570	35.001?
3995	2.380	34.920
4395*	2.315	34.909
4790*	2.310	34.901
4990*	2.315	34.905

Depth, meters	Temperature, °C	Salinity, ‰
Station 895; 28 May; 38° 30′ N. 63° 58′ W.; Depth 5005 m.		
0	23.40	36.386
50	20.41	36.494
100	19.08	36.546
200	18.23	36.520
300	17.94	36.500
400*	17.73	36.468
500	17.04	36.344
600*	14.93	35.965
695	12.78	35.638
795*	10.13	35.288
895	8.05	35.115
995*	6.10	35.037
1195	4.79	35.006
1395*	4.41	35.019
1630*	3.99	34.977
1925	3.74	34.980
2205*	3.54	34.981
2480	3.34	34.972
2755*	3.11	34.960
3145	2.805	34.945
3555*	2.540	34.930
3965	2.355	34.913
4370*	2.300	34.907
4775*	2.300	34.901
5005*	2.280	34.889
Station 896; 29 May; 39° 00′ N. 63° 56′ W.; Depth 4725 m.		
0	23.35	36.225
45	22.22	36.222
90	19.32	36.341
175	16.89	36.208
260	13.77	35.733
340*	11.67	35.375
420	10.17	35.274
500*	5.53	35.096
575	6.78	35.012
645*	5.66	35.282?
720	5.13	35.012
790*	4.80	35.016
950	4.43	34.994
1115*	4.16	34.988
1380*	3.84	34.966
1660	3.64	34.965
1950*	3.46	34.968
2240	3.30	34.972
2540*	2.98	34.953
2840	2.790	34.942
3145*	2.560	34.931
3455	2.345	34.916
3870*	2.285	34.914
4285	2.245	34.901
4500*	2.265	34.897

Depth, meters	Temperature, °C	Salinity, ‰
Station 897; 29 May; 39° 29′ N. 63° 59′ W.; Depth 4942 m.		
0	17.30	35.156
50	12.99	35.159
100	12.17	35.325
200	10.99	35.374
300	8.70	35.129
400*	6.52	35.013
500	5.58	35.026
595*	4.88	34.988
695	4.67	34.996
795*	4.46	35.000
890	4.26	34.989
990*	4.09	34.999
1180	3.91	34.970
1375*	3.78	34.967
1650*	3.62	34.964
1950	3.46	34.966
2250*	3.25	34.973
2545	3.06	34.954
2845	2.82	34.946
3245	2.575	34.927
3645*	2.395	34.918
4045	2.310	34.911
4445*	2.300	34.900
4845*	2.300	34.901
4925*	2.295	—
Station 898; 29 May; 39° 30′ N. 66° 00′ W.; Depth 4338 m.		
0	18.02	35.580
50	12.06	35.165
100	11.55	35.310
200	9.71	35.222
300	7.96	35.077
400*	6.07	35.016
500	5.17	35.014
600*	4.81	35.010
700	4.57	35.010
800*	4.35	35.003
900	4.17	35.002
1000*	4.00	34.980
1200	3.87	34.970
1400*	3.71	34.966
1600*	3.57	34.963
1800	3.41	34.966
2000*	3.24	34.965
2300	3.08	34.951
2600*	2.85	34.948
2900	2.520	34.924
3200	2.360	34.914
3500	2.280	34.907
3800*	2.240	34.900
4100	2.215	34.893
4315*	2.215	34.869

Depth, meters	Temperature, °C	Salinity, ‰
Station 899; 29 May; 39° 00′ N. 66° 00′ W.; Depth 4649 m.		
0	17.03	34.941
50	12.91	35.301
100	11.99	35.376
195	10.17	35.268
295	7.71	35.077
395*	5.96	35.014
490	5.08	34.995
590*	4.69	34.994
690	4.44	34.993
785*	4.40	34.985
885	4.21	34.983
985*	4.00	34.978
1185	3.83	34.970
1385*	3.70	34.959
1525*	3.60	34.963
1825	3.44	34.971
2120*	3.28	34.959
2420	3.05	34.954
2715*	2.83	34.936
3015	2.575	34.924
3315*	2.400	34.920
3615	2.305	34.906
4015*	2.270	34.897
4415	2.260	34.895
4615*	2.250	34.893
Station 900; 30 May; 38° 30′ N. 66° 01′ W.; Depth 4678 m.		
0	17.01	34.394
50	13.33	34.990
100	12.06	35.311
200	10.70	35.295
300	8.40	35.076
400*	6.80	34.991
500	5.47	34.984
600*	4.98	34.971
700	4.63	34.974
800	4.41	34.960
900	4.30	34.997
1000*	4.14	34.993
1200	3.95	34.987
1400	3.83	34.985
1680*	3.61	34.971
1980	3.43	34.964
2280*	3.20	34.958
2580	2.99	34.947
2880*	2.77	34.937
3175	2.560	34.923
3475*	2.385	34.920
3875	2.300	34.909
4275*	2.265	34.900
4575*	2.245	34.896
4660*	2.210	34.875

Depth, meters	Temperature, °C	Salinity, ‰
Station 901; 30 May; 38° 00′ N. 65° 54′ W.; Depth 4844 m.		
0	25.95	36.320
45	25.93	36.323
90	23.06	36.556
175	20.53	36.630
255	18.49	36.460
335*	14.87	35.972
415	13.27	35.738
490*	10.83	35.322
560	9.38	35.194
635*	7.64	35.040
705	6.68	35.041
775*	5.75	35.010
925	4.83	35.000
1085*	4.43	34.998
1185*	4.28	34.996
1465	3.93	34.980
1765*	3.72	34.977
2070	3.59	34.974
2365*	3.38	34.971
2650	3.175	34.962
3040*	2.850	34.947
3440	2.570	34.935
3850*	2.355	34.919
4270	2.290	34.910
4475*	2.280	34.902
Station 902; 30 May; 37° 30′ N. 66° 00′ W.; Depth 4961 m.		
0	24.69	36.333
45	23.68	36.526
90	22.36	36.665
185	19.33	36.575
275	18.32	36.520
370*	17.99	36.508
465	17.56	36.439
560*	16.35	36.212
655	14.32	35.883
755*	12.12	35.555
850	10.19	35.310
950*	7.86	35.121
1150	5.24	35.026
1350*	4.38	34.975
1630*	4.09	34.977
1930	3.81	34.972
2230*	3.57	34.977
2530*	3.38	34.970
2930*	3.050	34.956
3330	2.710	34.936
3730*	2.440	34.910
4125	2.325	34.916
4525*	2.300	34.905
4920*	2.310	34.903

Depth, meters	Temperature, °C	Salinity, ‰
Station 903; 30 May; 36° 59′ N. 66° 02′ W.; Depth 5024 m.		
0	24.16	36.449
50	21.50	36.550
100	19.25	36.578
200	18.20	36.547
300	18.04	36.530
400*	17.78	36.488
500	16.94	36.315
600*	15.19	36.023
700	13.38	35.737
800	11.01	35.411
900	8.55	35.118
1000*	6.96	35.069
1200	4.99	35.016
1400*	4.38	34.998
1635*	4.04	34.979
1930	3.77	34.968
2225*	3.55	34.965
2525	3.38	34.966
2820*	3.16	34.959
3215	2.820	34.938
3615*	2.500	34.924
4010	2.355	34.911
4405*	2.325	34.906
4800*	2.310	34.910
4930*	2.335	34.887 Mud
Station 904; 31 May; 36° 29′ N. 65° 59′ W.; Depth 4899 m.		
0	21.90	36.547
50	20.19	36.580
100	18.67	36.536
200	18.12	36.523
300	17.84	36.486
400*	17.33	36.375
500	15.93	36.129
600*	13.69	35.746
700	11.16	35.413
800*	8.64	35.140
900	6.82	35.044
1000*	5.59	35.022
1200	4.60	35.002
1400*	4.25	34.996
1550*	3.98	34.973
1850	3.73	34.966
2150*	3.53	34.972
2450	3.39	34.968
2750*	3.15	34.963
3050	2.855	34.941
3450*	2.520	34.925
3850	2.345	34.912
4250*	2.300	34.901
4650	2.300	34.899
4850*	2.301	34.895

Depth, meters	Temperature, °C	Salinity, ‰
Station 905; 31 May; 36° 02′ N. 66° 04′ W.; Depth 4857 m.		
0	22.37	36.526
50	19.39	36.565
100	18.25	36.517
195	17.82	36.493
295	16.83	36.306
390*	14.61	35.916
490	12.86	35.647
590*	10.84	35.365
685	8.22	35.117
785*	6.58	35.054
885	5.72	35.028
980*	4.99	35.011
1175	4.50	35.030
1375*	4.20	35.002
1545*	3.96	34.992
1840	3.66	34.974
2135*	3.48	34.972
2425	3.26	34.958
2720*	3.01	34.955
3015	2.785	34.944
3410*	2.475	34.922
3810	2.330	34.917
4210*	2.285	34.909
4625*	2.260	34.898
4835*	2.185	34.884
Station 906; 31 May; 35° 32′ N. 65° 58′ W.; Depth 4699 m.		
0	22.66	36.534
50	20.24	36.509
100	18.65	36.516
195	18.07	36.516
290	17.68	36.450
385*	16.87	36.293
480	15.25	36.011
575*	13.15	35.689
670	10.64	35.347
765*	8.68	35.147
855	7.03	35.071
950*	5.78	35.022
1135	4.86	35.007
1315*	4.47	35.026
1525*	4.03	34.993
1800	3.66	34.972
2100*	3.47	34.981
2385	3.23	34.974
2670*	2.97	34.959
2955	2.775	34.946
3250*	2.580	34.933
3540	2.410	34.921
3935*	2.320	34.911
4335	2.295	34.904
4530*	2.290	34.901

Depth, meters	Temperature, °C	Salinity, ‰
Station 907; 31 May; 35° 01′ N. 65° 01′ W.; Depth 4914 m.		
0	22.62	36.536
50	21.06	36.620
100	19.57	36.588
195	18.54	36.551
295	18.28	36.545
390*	18.14	36.525
490	18.00	36.515
585*	17.77	36.474
685	17.11	36.348
780*	15.42	36.048
880	13.07	35.680
975*	10.09	35.287
1165	6.25	35.034
1360*	4.77	35.006
1455*	4.66	35.019
1745	3.98	34.971
2030	—	34.973
2325	3.575	34.970
2615*	3.370	34.967
3005	2.990	34.952
3395*	2.675	34.931
3785	2.435	34.921
4175*	2.330	34.909
4570*	2.300	34.902
4765*	2.300	34.901
Station 908; 1 June; 35° 30′ N. 64° 58′ W.; Depth 4923 m.		
0	22.85	36.512
50	19.70	36.559
95	18.98	36.566
190	18.32	36.537
290	18.08	36.521
385*	18.01	36.505
480	17.64	36.441
575*	16.85	36.298
670	15.34	36.037
765	13.27	35.691
860	10.94	35.401
955*	8.78	35.167
1145	5.60	35.032
1330*	4.68	35.000
1535*	4.35	35.018?
1830	3.89	34.979
2125	—	34.978
2420	3.46	34.973
2715*	3.24	34.965
3110	2.840	34.947
3510*	2.515	34.922
3910	2.345	34.914
4310*	2.295	34.907
4715*	2.300	34.902
4915*	2.305	34.901
Station 909; 1 June; 36° 00′ N. 64° 57′ W.; Depth 5018 m.		
0	21.89	36.522
45	19.63	36.532
90	18.63	36.528
180	18.11	36.511
270	17.98	36.514
360*	17.70	36.457
445	16.70	36.272
530*	14.83	35.964
615	12.81	35.627
700*	10.88	35.365
785	8.91	35.169
870*	7.35	35.069
1040	5.53	35.060
1220*	4.54	34.998
1525*	4.14	35.001
1825	3.74	34.969
2125*	3.52	34.972
2425	3.36	34.968
2825*	3.03	34.954
3220	2.630	34.935
3615*	2.400	34.911
4015	2.285	34.907
4420*	2.300	34.907
4815	2.330	34.905
5015*	2.350	34.910
Station 910; 1 June; 36° 30′ N. 64° 59′ W.; Depth 4952 m.		
0	21.78	36.400
50	18.58	36.463
100	17.19	36.306
195	15.55	36.027
295	13.83	35.759
395*	12.25	35.554
495	10.11	35.289
590*	8.22	35.108
690	6.92	35.057
790*	5.70	35.024
890	5.23	35.032
985*	4.87	35.030
1180	4.35	35.000
1375*	4.10	34.985
1535*	3.92	34.981
1825	3.71	34.972
2120*	3.55	34.978
2415	3.36	34.971
2705*	3.130	34.957
3100	2.815	34.953
3495*	2.540	34.926
3895	2.365	34.918
4290*	2.315	34.909
4690*	2.300	34.901
4890*	2.305	34.901
Station 911; 1 June; 36° 59′ N. 65° 02′ W.; Depth 4967 m.		
0	21.77	36.476
50	18.72	36.435
100	17.91	36.391
200	16.27	36.169
300	14.90	35.972
400*	13.11	35.682
500	10.79	35.367
600*	8.85	35.153
700	7.15	35.062
800*	5.95	35.033
900	5.24	35.004
1000*	4.86	35.022
1200	4.43	35.009
1400*	4.06	34.980
1570*	3.91	34.979
1870	3.68	34.966
2170*	3.50	34.973
2470	3.32	34.969
2770*	3.09	34.957
3165	2.780	34.941
3565*	2.505	34.923
3965	2.355	34.913
4365*	2.300	34.907
4760*	2.290	34.899
4960*	2.300	34.895
		Mud
Station 912; 2 June; 37° 28′ N. 65° 02′ W.; Depth 4984 m.		
0	22.96	36.330
50	20.15	36.525
100	18.82	36.547
195	18.17	36.513
295	17.85	36.477
390*	17.24	36.331
490	16.10	36.139
585*	14.36	35.879
685	12.09	35.544
785*	9.88	35.260
880	7.64	35.080
980*	6.23	35.041
1175	4.82	35.005
1370*	4.31	34.998
1495*	4.08	34.974
1785	3.81	34.968
2080*	3.66	34.965
2370	3.53	34.967
2760*	3.23	34.959
3150	2.885	34.946
3540*	2.590	34.925
3930	2.390	34.913
4325*	2.320	34.910
4715*	2.310	34.900
4915*	2.305	34.902
Station 913; 3 June; 36° 45′ N. 64° 17′ W.; Depth 4910 m.		
0	22.51	36.425
45	19.55	36.426
90	18.01	36.393
185	16.20	36.156
275	14.84	35.917
370*	13.39	35.690
460	11.65	35.472
555*	9.70	35.240
645	8.16	35.110
735*	6.61	35.046
830	5.62	35.016
920*	5.24	35.042
1105	4.52	35.002
1290*	4.13	34.988
1405*	4.03	34.980
1715	3.78	34.974
2025*	3.57	34.968
2330	3.40	34.966
2735*	3.11	34.954
3135	2.790	34.941
3540*	2.500	34.921
3945	2.350	34.911
4345*	2.290	34.907
4750*	2.295	34.897
4900*	2.300	34.887
Station 914; 4 June; 36° 47′ N. 64° 40′ W.; Depth 4933 m.		
0	21.76	36.279
50	18.29	36.397
95	16.72	36.221
190	14.72	35.887
285	13.01	35.646
380*	11.30	35.435
475	9.22	35.192
575*	7.72	35.086
670	6.38	35.045
765*	5.44	35.021
860	5.06	35.023
955*	4.91	35.046
1150	4.33	35.001
1345*	4.06	34.986
1515*	3.93	34.981
1810	3.68	34.972
2105*	3.48	34.971
2405	3.29	34.966
2700*	3.07	34.956
3095	2.760	34.941
3490*	2.475	34.923
3890	2.330	34.913
4285*	2.290	34.904
4680*	2.305	34.905
4880*	2.300	34.899

Depth, meters	Temperature, °C	Salinity, ‰
Station 915; 5 June; 37° 06′ N. 65° 14′ W.; Depth 4963 m.		
0	25.26	36.312
50	23.40	36.503
95	20.93	36.631
190	18.33	36.527
285	18.01	36.515
375*	17.60	36.433
465	16.26	36.172
555*	14.45	35.865
645	12.54	35.601
735*	10.44	35.326
825	8.47	35.131
910*	6.81	35.060
1085	5.10	35.020
1260*	4.54	34.999
1470*	4.09	34.979
1750	3.77	34.962
2025*	3.60	34.974
2310	3.47	34.969
2595*	3.27	34.965
2990	2.950	34.952
3390*	2.635	34.935
3800	2.390	34.914
4200*	2.315	34.907
4600*	2.300	34.906
4800*	2.305	34.901
Station 916; 5 June; 37° 06′ N. 64° 50′ W.; Depth 4986 m.		
0	22.70	36.459
50	18.82	36.421
95	17.82	36.392
190	16.26	36.177
285	14.64	35.881
380*	12.90	35.638
475	11.38	35.459
570*	9.32	35.207
665	7.79	35.087
760*	6.27	35.034
855	5.38	35.008
950	4.79	34.983
1140	4.48	35.005
1330*	4.21	34.993
1565*	3.92	34.978
1845	3.69	34.968
2125*	3.54	34.972
2405	3.41	34.970
2780*	3.085	34.966
3165	2.775	34.947
3550*	2.510	34.923
3945	2.360	34.918
4340*	2.295	34.904
4740*	2.305	34.902
4940*	2.300	34.902
Station 917; 6 June; 36° 43′ N. 65° 00′ W.; Depth 4961 m.		
0	22.57	36.482
50	20.14	36.399
100	18.22	36.419
195	16.32	36.184
295	15.07	35.946
395*	13.44	35.699
495	11.49	35.458
590*	9.51	35.219
690	7.77	35.095
790*	6.34	35.040
890	5.52	35.025
985*	4.78	34.997
1185	4.45	35.005
1380*	4.16	34.987
1575*	3.92	34.985
1860	3.69	34.971
2150*	3.52	34.970
2445	3.36	34.971
2735*	3.15	34.958
3125	2.865	34.947
3515*	2.585	34.927
3910	2.385	34.916
4305*	2.305	34.905
4700*	2.285	34.900
4895*	2.290	34.898
Station 918; 7 June; 36° 29′ N. 64° 39′ W.; Depth 4918 m.		
0	23.23	36.435
50	18.83	36.775
100	17.84	36.755
195	16.10	36.433
295	14.96	36.179
395*	13.33	35.696
495	11.32	35.435
590*	9.08	35.174
690	7.71	35.091
790*	6.26	35.033
890	5.39	35.016
985*	4.91	35.011
1185	4.50	35.008
1385*	4.16	34.988
1550*	3.92	34.984
1840	3.70	34.970
2135*	3.52	34.969
2430	3.36	34.968
2720*	3.140	34.956
3115*	2.825	34.943
3505	2.550	34.926
3895	2.390	34.915
4275*	2.305	34.912
4645*	2.280	34.903
Station 919; 8 June; 36° 31′ N. 64° 16′ W.; Depth 4952 m.		
0	23.09	36.297
50	18.56	36.421
100	17.69	36.355
195	15.85	36.081
295	14.23	35.815
390*	12.83	35.626
485	11.14	35.413
580*	9.26	35.196
675	7.54	35.089
770*	6.23	35.039
870	5.45	35.022
965*	5.04	35.028
1155	4.45	35.003
1345*	4.15	34.987
1480*	3.99	34.981
1775	3.75	34.969
2070*	3.57	34.968
2365	3.45	34.970
2660*	3.22	34.961
3060	2.880	34.948
3450*	2.585	34.933
3845	2.360	34.918
4245*	2.300	34.916
4640*	2.295	34.901
4840*	2.290	34.897
Station 920; 8 June; 36° 35′ N. 63° 57′ W.; Depth 4942 m.		
0	24.51	36.357
50	19.24	36.550
95	18.48	36.509
190	17.58	36.406
285	16.81	36.262
375*	15.63	36.050
465	13.97	35.813
555*	12.03	35.534
645	9.96	35.272
730*	8.30	35.120
820	7.18	35.057
910*	6.10	35.027
1090	4.95	35.025
1275*	4.36	34.996
1365*	4.21	34.991
1625	3.88	34.973
1895*	3.68	34.975
2165	3.57	34.981
2440*	3.41	34.973
2815	3.135	34.964
3185*	2.780	34.945
3565	2.485	34.925
3940*	2.355	34.914
4315	2.300	34.907
4510*	2.280	34.901

Depth, meters	Temperature, °C	Salinity, ‰	Depth, meters	Temperature, °C	Salinity, ‰	Depth, meters	Temperature, °C	Salinity, ‰
Station 921; 11 June; 35° 59′ N. 65° 00′ W.; Depth 5015 m.			Station 922; 12 June; 36° 16′ N. 65° 17′ W.; Depth 4960 m.			Station 923; 13 June; 35° 47′ N. 65° 17′ W.; Depth 4933 m.		
			0	24.67	36.358			
0	24.94	36.323	45	23.63	36.422	0	21.91	36.510
50	24.93	36.310	90	20.50	36.523	50	20.48	36.566
100	22.86	36.650	180	18.51	36.541	100	19.09	36.588
200	19.54	36.593	270*	18.15	36.525	200	18.31	36.540
295	18.43	36.542	365	17.93	36.490	295	18.10	36.521
395*	17.95	36.472	460*	17.56	36.428	390*	18.01	36.513
490	17.41	36.392	555	16.84	36.293	490	17.83	36.501
590*	16.33	36.217	650*	15.13	35.992	585*	16.65	36.257
685	14.44	35.896	745	13.18	35.689	680	14.81	35.950
780*	12.21	35.565	845	10.34	35.298	775*	12.94	35.659
880	9.87	35.270	940*	8.44	35.109	875	10.48	35.334
975*	8.05	35.121	1140	5.41	35.031	970*	8.27	35.111
1165	5.32	35.021	1335*	4.53	35.003	1160	5.61	35.064
1350*	4.60	35.008	1585*	4.16	34.996	1355*	4.64	35.014
1545*	4.23	34.995	1880	3.77	34.968	1460*	4.41	35.007
1830	3.90	34.976	2180*	3.53	34.970	1740	3.92	34.981
2120*	3.67	34.973	2480	3.52	34.968	2020*	3.71	34.975
2505	3.42	34.963	2880*	3.05	34.959	2300	3.56	34.975
2895*	3.090	34.956	3275	2.710	34.942	2585*	3.30	34.967
3280	2.765	34.938	3675*	2.440	34.925	2960	2.975	34.948
3665*	2.495	34.920	4080	2.325	34.913	3340*	2.640	34.937
4050	2.355	34.913	4480*	2.290	34.907	3725	2.420	34.920
4435*	2.315	34.919	4885*	2.300	34.901	4110*	2.310	34.912
4820*	2.315	34.900	4960*	2.310	34.895	4495*	2.290	34.899
5015*	2.335	34.900			Mud	4690*	2.280	34.898

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Station 136; 8 April; 45° 19′ N. 56° 30′ W.; Depth, 353 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	1.91	32.623	8.07
15	1.94	32.612	8.05
40	1.93	32.616	8.00
90*	1.27	33.121	6.90
140	4.22	33.925	5.68
190*	5.79	34.456	4.91
240	5.66	34.551	4.78
340*	5.13	34.845	4.89

Station 137; 8 April; 44° 59′ N. 56° 32′ W.; Depth 404 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	1.47	32.574	8.00
24	1.46	32.572	8.04
48	1.19	32.621	8.30
72	1.01	32.701	7.75
96*	1.69	32.995	7.05
143	4.27	34.010	5.55
191*	5.58	34.469	4.89
290	5.54	34.828	4.75
389*	4.92	34.910	4.84

Station 138; 8 April; 44° 40′ N. 56° 30′ W.; Depth 399 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	2.36	32.753	7.94
15	2.36	32.753	7.93
40	2.41	32.774	7.89
65	2.80	32.962	7.56
90	1.93	33.095	7.07
140	3.62	33.913	5.93
190*	5.36	34.691	4.92
290	5.04	34.915	5.24
390*	4.83	34.922	5.48

Station 139; 8 April; 44° 22′ N. 56° 29′ W.; Depth 1812 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	1.49	32.554	8.10
25	1.59	32.608	8.27
50	2.30	32.867	7.63
75	1.76	33.164	6.76
100	3.24	33.608	5.95
150	6.16	34.457	5.00
200	5.86	34.524	4.55
300	6.23	34.817	4.55
400*	5.35	34.904	5.07
500	4.82	34.916	5.41
600*	4.40	34.913	5.77
700	—	34.900	6.04
800*	4.08	34.898	6.07
900	3.93	34.910	6.23
1000*	3.81	34.910	6.35
1000*	3.87	34.911	6.32
1200	3.83	34.932	6.32
1400*	3.83	34.941	6.28
1600	3.76	34.943	6.28
1800*	3.73	34.951	6.31

Station 140; 8 April; 43° 59′ N. 56° 33′ W.; Depth 3010 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	3.39	32.933	7.66
25	3.42	32.958	7.65
50	8.16	34.406	6.82
100	8.36	34.751	4.79
149	8.34	34.873	4.36
198	7.46	34.848	4.15
296*	6.15	34.813	4.44
392	5.53	34.898	4.85
487*	5.09	34.949	5.19
581	4.67	34.935	5.57
673*	4.42	34.936	5.88
766	—	34.956	5.89
859*	4.26	34.959	6.18
952	4.13	34.962	6.12
1045*	3.88	34.959	6.02
1389*	3.79	34.950	6.19
1488	3.72	34.943	6.33
1587 *	3.69	34.948	6.30
1786	3.65	34.959	6.28
1984	3.53	34.954	6.25
2182	3.40	34.957	6.27
2381*	3.30	34.955	6.25
2579	3.14	34.952	6.26
2759*	2.87	34.936	—

Station 141; 8 April; 43° 39′ N. 56° 30′ W.; Depth 3493 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	7.25	35.048	6.81
24	7.23	35.045	6.80
49	7.23	35.047	6.81
98	11.45	35.302	5.25
146*	10.19	35.193	3.82
195	8.61	35.014	3.84
293*	7.12	34.962	4.05
392	5.50	34.872	4.79
490*	5.08	34.932	5.24
589	4.71	34.944	5.60
688*	4.61	34.968	5.77
787	—	34.967	5.92
887*	4.19	34.953	6.09
987	4.11	34.957	6.11
1087*	3.96	34.958	6.16
1295	3.885	34.947	6.24
1394	3.785	34.951	6.28
1594*	3.665	34.952	6.32
1892	3.530	34.954	6.30
2191*	3.360	34.954	6.26
2490	3.140	34.947	6.25
2789*	2.845	34.939	6.30
3088	2.580	34.932	6.54
3486*	2.495	34.925	6.56

Station 142; 8 April; 43° 20′ N. 56° 32′ W.; Depth 3211 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	7.86	34.201	6.68
24	7.86	34.197	6.75
48	7.87	34.194	6.70
96	8.37	34.514	5.57
144*	8.93	34.970	4.01
193	8.76	35.049	3.67
289*	7.09	34.926	3.96
386	5.61	34.877	4.61
482*	5.07	34.909	5.17
579	4.71	34.932	5.42
676*	4.53	34.951	5.74
774	4.48	34.980	5.71
874*	4.33	34.981	5.86
975	—	34.962	6.00
1076*	4.00	34.961	6.05
1189*	3.90	34.955	6.24
1387	3.75	34.956	6.26
1586*	3.64	34.952	6.35
1784	3.55	34.952	6.33
1982*	3.485	34.952	6.26
2279	3.280	34.955	6.28
2577*	3.020	34.947	6.26
2874	2.715	34.935	6.42
3171*	2.440	34.922	6.41

Station 143; 9 April; 42° 59′ N. 56° 30′ W.; Depth 3824 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	7.02	33.916	6.88
25	7.09	33.976	6.86
50	7.18	34.117	6.66
99	8.53	34.720	4.93
149*	7.25	34.741	4.45
198	7.11	34.849	4.14
297*	6.07	34.903	4.48
396	5.28	34.933	4.99
496*	4.74	34.938	5.69
595	4.57	34.957	5.73
694*	4.47	34.968	5.78
793	4.22	34.960	5.91
892*	4.19	34.968	5.90
991	4.09	34.971	6.06
1090*	3.98	34.970	6.06
318*	5.640	34.859	4.44
518	4.765	34.939	5.41
814*	4.255	34.965	5.90
1111	4.010	34.968	5.98
1409*	3.745	34.958	6.26
1807	3.545	34.955	6.19
2204*	3.315	34.957	6.03
2604	3.020	34.944	6.38
3002*	2.725	34.936	6.53
3403	2.380	34.918	6.19
3806*	2.265	34.914	6.19

Station 144; 9 April; 42° 30′ N. 56° 31′ W.; Depth 4340 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	3.67	32.773	7.82
25	5.78	33.601	7.29
49	6.96	34.112	6.42
99	8.75	34.684	5.47
148*	8.48	34.912	4.08
198	7.75	34.916	4.22
296*	6.02	34.832	4.37
395	5.25	34.885	4.92
494*	4.97	34.941	5.32
593	4.67	34.954	5.75
693*	4.46	34.964	5.75
793	4.28	34.962	5.97
893*	4.23	34.965	5.92
995	4.12	34.971	5.84
1098*	3.99	34.963	6.00
1144*	3.91	34.956	6.27
1430	3.70	34.956	6.18
1719*	3.56	34.957	6.05
2012	3.44	34.959	6.11
2306*	3.27	34.955	6.20
2597	3.07	34.950	6.06
2889*	2.805	34.937	6.17
3181	2.555	34.923	6.23
3474*	2.355	34.909?	6.20
3774	2.260	34.915	6.16
4156*	2.230	34.901	6.16

Station 145; 9 April; 42° 01′ N. 56° 32′ W.; Depth 4711 m.

Depth meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	11.93	35.259	5.96
25	11.92	35.258	6.00
50	11.92	35.268	6.03
99	13.12	35.634	5.61
149*	12.44	35.492	5.78
198	12.45	35.532	5.41
298*	11.84	35.465	4.50
397	8.77	35.118	3.50
496*	7.03	35.017	4.07
595	5.65	34.994	4.90
694*	4.78	34.938	5.55
794	4.55	34.964	5.68
893*	4.53	34.987	5.81
992	4.39	34.992	5.96
1190	—	34.979	6.07
1310*	3.930	34.966	6.17
1510	3.795	34.964	6.24
1710*	3.665	34.961	6.23
2010	3.475	34.959	6.23
2310*	3.310	34.960	6.18
2710	3.075	34.950	6.17
3110*	2.725	34.934	6.20
3510	2.455	34.921	6.46
3910*	2.300	34.910	6.42
4310	2.275	34.903	6.30
4710*	2.245	34.895	6.12

Station 146; 9 April; 41° 29′ N. 56° 34′ W.; Depth 4949 m.

Depth meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
3	12.34	35.363	5.93
28	12.43	35.404	5.81
53	12.42	35.422	5.82
103	12.55	35.549	5.60
153*	12.65	35.588	5.31
203	12.72	35.611	4.97
303*	10.81	35.345	3.26
403	8.59	35.102	3.26
503*	6.53	34.959	4.27
603	5.25	34.911	4.99
703*	5.07	34.973	5.26
803	4.83	35.001	5.32
903*	4.59	34.997	5.55
1003	4.43	34.992	5.77
1203*	4.07	34.979	6.00
1324*	3.92	34.974	6.02
1521	3.76	34.965	6.11
1815*	3.59	34.958	6.10
2109	3.40	34.956	6.12
2403*	3.20	34.953	6.18
2698	2.99	34.950	6.12
3087	2.68	34.932	6.12
3475	2.48	34.916	6.13
3863*	2.34	34.907	6.12
4374	2.28	34.902	6.12
4891*	2.26	34.894	6.00

Station 147; 10 April; 41° 01′ N. 56° 29′ W.; Depth 5082 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	12.07	35.090	6.02
48	12.26	35.446	5.74
94	12.40	35.505	5.49
140	12.43	35.518	5.48
185	12.47	35.527	5.39
272	12.44	35.600	5.25
354	9.49	35.247	3.38
432	7.37	34.972	3.98
509*	6.28	34.929	4.26
586	5.83	34.985	4.64
660*	5.22	35.000	5.05
736	4.88	34.997	5.28
815*	4.69	34.999	5.42
975*	4.36	35.001	5.78
1382*	3.89	34.973	6.06
1678	3.57	34.963	6.12
1976	—	34.975	6.10
2272	3.29	34.961	6.06
2668*	3.06	34.951	6.07
3069*	2.69	34.937	—
3465*	2.400	34.914	6.30
3861	2.315	34.909	6.30
4257*	2.300	34.902	6.02
4658	2.300	34.901	6.19
5059*	2.310	34.894	6.01

Station 148; 10 April; 40° 28′ N. 56° 30′ W.; Depth 5157 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	13.52	35.653	5.82
49	13.62	35.705	5.66
98	13.52	35.721	5.52
147	13.25	35.676	5.31
196*	12.64	35.560	5.29
295	10.97	35.373	3.38
392	8.99	35.147	3.25
490	7.17	35.036	3.96
588	6.30	35.040	4.51
686	5.20	34.983	5.19
784*	4.83	34.993	5.49
882	4.57	35.000	5.61
980*	4.41	34.994	5.61
1176*	4.09	34.978	5.98
1407*	3.89	34.971	6.04
1698	3.67	34.966	6.18
1989*	3.51	34.968	6.07
2280	3.37	34.962?	6.09
2668*	3.12	34.953	6.10
3056*	2.79	34.939	6.17
3444	2.53	34.923	6.14
3832	2.36	34.908	6.13

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 149; 10 April; 40° 00′ N. 56° 28′ W.; Depth 5210 m.			
1	13.91	35.670	5.97
47	13.69	35.669	5.83
90	13.28	35.667	5.47
131	13.21	35.658	5.54
166	13.05	35.632	5.60
237	13.32	35.677	5.41
296	13.02	35.658	5.46
350	12.27	35.615	5.25
402	10.26	35.383	3.33
441	8.82	35.158	3.18
488*	7.27	35.063	3.63
549	6.25	35.028	4.08
610*	5.59	34.991	4.65
756	4.95	35.003	5.25
1410*	3.92	34.970	6.12
1710	3.69	34.961	6.18
2010	3.55	34.963	6.12
2410	3.29	34.960	6.11
2810*	3.03	34.950	6.10
3210	2.75	34.934	6.12
3610*	2.485	34.917	6.09
4010	2.355	34.906	6.16
4410*	2.305	34.898	6·12
4810	2.295	34.892	6.11
5210*	2.310	34.889	6.06
Station 150; 10 April; 39° 28′ N. 56° 23′ W.; Depth 5252 m.			
1	17.19	36.138	5.19
43	16.95	36.122	4.89
86	16.47	36.116	4.40
129	16.28	36.191	3.96
172*	14.93	35.845	4.41
257	13.92	35.761	4.84
342*	13.11	35.653	5.24
424	12.69	35.587	5.00
503*	10.70	35.358	3.28
582	8.80	35.137	3.31
658	7.54	35.064	3.72
736	6.27	35.025	4.47
815*	5.58	35.017	5.01
974	4.74	35.005	5.56
1377*	4.09	34.983	6.05
1658	3.80	34.969	6.34
1940*	3.65	34.969	6.23
2318	3.42	34.966	6.14
2697*	3.18	34.958	6.17
3082*	2.87	34.944	6.14
3463*	2.54	34.927	6.18
3846	2.36	34.915	6.16
4226*	2.285	34.905	6.14
4621	2.29	34.901	6.13
5024*	2.31	34.899	6.13

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/.
Station 151; 11 April; 39° 00′ N. 56° 30′ W.; Depth 5285 m.			
1	18.55	36.384	5.12
35	18.44	36.389	4.97
71	17.99	36.463	5.04
107	17.64	36.441	5.06
143*	17.64	36.447	5.20
218	17.58	36.430	5.12
294*	17.48	36.420	5.11
372	17.11	36.405	4.89
450	15.84	36.259	4.29
528	14.21	35.773	4.33
607*	13.22	35.716	5.10
687	11.85	35.530	3.80
767*	10.28	35.354	3.32
924	6.74	35.015	4.03
1093*	5.33	35.011	5.12
1380	4.46	35.000	5.74
1668*	4.05	34.981	6.03
2053	3.75	34.970	6.13
2438*	3.58	34.968	6.17
2826*	3.29	—	—
3213*	3.01	34.950	6.10
3700	2.59	34.928	6.19
4193*	2.37	—	6.28
4695	2.32	34.901	6.11
5200*	2.30	34.892	6.02
Station 152; 11 April; 38° 32′ N. 56° 33′ W.; Depth 5268 m.			
1	18.10	36.499	5.20
41	18.07	36.498	5.26
83	17.74	36.489	5.20
127	17.68	36.491	5.22
170	17.69	36.490	5.19
260	17.68	36.485	5.35
352*	17.64	36.475	5.13
446	17.49	36.450	5.04
542*	17.28	36.407	4.91
640	15.57	36.054	4.09
738*	13.82	35.783	3.68
837	10.83	35.370	3.28
938*	8.57	35.125	3.40
1142*	5.475	35.022	5.03
1378*	4.58	34.996	5.76
1675	4.07	34.980	6.10
2069*	3.75	34.965	6.13
2465	3.49	34.967	6.13
2859	—	34.957	6.10
3257*	2.87	34.942	6.20
3656*	2.58	34.926	6.19
4055	2.41	34.917	6.13
4455*	2.325	34.904	6.12
4865	2.310	34.899	6.11
5268*	2.29	34.887	5.96

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 153; 11 April; 37° 56′ N. 56° 32′ W.; Depth 5258 m.			
1	18.67	36.446	5.29
50	18.63	36.452	5.25
100	17.98	36.495	4.90
150	17.86	36.496	5.07
200*	17.87	36.496	5.08
299	17.56	36.421	4.72
399*	17.36	36.420	4.89
499	16.48	36.232	4.37
599*	14.32	35.867	3.82
699	12.39	35.574	3.58
798*	10.50	35.322	3.17
898	8.30	35.113	3.52
998*	6.55	35.037	4.35
1198	4.90	35.000	5.45
1261*	4.76	35.007	5.68
1559	4.15	34.985	5.99
1857*	3.87	34.973	6.16
2155	3.67	34.972	6.19
2453*	3.51	34.966	6.14
2850	—	34.959	6.18
3247*	2.855	34.944	6.19
3744	2.510	34.923	6.19
4240*	2.350	34.911	6.21
4737	2.315	34.904	6.26
5233*	2.255	34.886	5.95
Station 154; 12 April; 37° 22′ N. 56° 32′ W.; Depth 5267 m.			
1	17.75	36.482	4.99
47	17.75	36.480	5.20
94	17.76	36.483	5.18
141	17.65	36.489	5.28
189	17.59	36.463	5.07
286	17.41	36.414	5.01
385*	17.17	36.369	4.75
485	16.06	36.137	4.17
585*	14.21	35.851	3.82
683	12.12	35.552	3.66
782*	9.44	35.208	3.26
880	7.13	34.992	4.07
979*	5.10	34.855	5.11
1176*	4.94	—	5.45
1420*	4.40	35.012	5.82
1715	3.99	34.982	6.05
2009*	3.73	34.972	6.21
2406	3.53	34.977	6.12
2802*	3.23	34.965	6.09
3201	2.88	34.944	6.10
3599*	2.540	34.929	6.06
3997	2.40	34.918	6.14
4397*	2.31	34.907	6.11
4802	2.29	34.899	6.11
5208*	2.27	34.890	6.05

Station 155; 12 April; 37° 01′ N. 56° 31′ W.; Depth 5338 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	17.57	36.461	5.32
49	17.58	36.459	5.29
99	17.60	36.459	5.28
148	17.55	36.471	5.20
197*	17.56	36.472	5.20
296	17.20	36.398	4.98
394*	16.77	36.309	5.07
493	15.29	36.013	4.71
591*	13.57	35.693	4.89
690	11.75	35.496	3.50
788	9.14	35.186	3.45
887	6.55	34.892	3.80
985*	5.80	34.959	4.78
1182	4.99	35.020	5.45
1343*	4.54	35.012	5.74
1642	4.12	35.000	6.21
1940*	3.77	34.973	6.20
2239	3.63	34.980	6.11
2537*	3.46	34.971	6.11
2935*	3.09	34.959	6.07
3333*	2.780	34.945	6.19
3831	2.430	34.918	6.17
4328*	2.325	34.907	6.13
4826	2.300	34.901	6.10
5325*	2.260	34.883	5.94

Station 156; 12 April; 35° 59′ N. 56° 28′ W.; Depth 5280 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	17.91	36.468	5.31
49	17.93	36.472	5.32
98	17.90	36.506	5.18
147	17.88	36.504	5.13
196	17.90	36.504	5.12
294	17.90	36.500	5.06
393*	17.86	36.496	5.06
492	17.77	36.479	5.01
591*	17.30	36.371	4.77
690	15.80	36.103	4.30
790*	14.01	35.813	4.05
890	11.45	35.459	3.46
990*	8.96	35.162	3.44
1190	5.61	35.021	4.99
1392*	4.80	35.007	5.59
1592*	4.33	34.996	5.75
1891	3.92	34.975	6.09
2189*	3.69	34.968	6.13
2488	3.49	34.971	6.12
2886*	3.21	34.859	6.12
3284	—	34.943	6.14
3682*	2.54	34.923	6.16
4080	2.365	34.913	6.34
4478*	2.290	34.902	6.19
4876	2.28	34.894	6.04
5274*	2.275	34.884	—

Station 157; 12 April; 35° 01′ N. 56° 26′ W.; Depth 5499 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	18.22	36.473	5.50
48	18.20	36.476	5.38
97	17.96	36.512	5.26
145	17.89	36.507	5.32
195	17.89	36.506	5.28
294	17.81	36.488	5.05
395*	17.58	36.462	5.01
496	17.23	36.407	4.79
598*	15.56	36.060	4.19
697	13.50	35.677	4.17
795*	11.50	35.455	3.36
889	9.33	35.209	3.38
981*	7.73	35.132	3.98
1171*	6.10	35.123	4.82
1359	—	35.096	5.25
1474*	4.89	35.085	5.49
1765	4.24	35.038	5.82
2153*	3.85	35.022	5.86
2541	3.49	34.999	5.89
2929*	3.14	34.964	5.99
3324*	2.78	34.942	6.10
3725*	2.530	34.926	6.09
4119	2.390	34.927	6.06
4514*	2.310	34.903	6.07
4910	2.295	34.898	6.07
5410*	2.250	34.887	5.89

Station 158; 13 April; 33° 58′ N. 56° 26′ W.; Depth 5459 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	19.04	36.588	5.19
50	18.62	36.577	5.31
100	18.41	36.547	5.03
149	18.14	36.521	5.01
199	17.95	36.507	5.03
299	17.59	36.428	4.96
398*	16.93	36.306	4.42
498	15.44	36.074	4.41
597*	14.04	35.862	4.09
697	11.80	35.528	3.72
796*	10.00	35.326	3.54
896	8.05	35.187	3.85
995*	6.71	35.138	4.37
1194*	5.64	35.125	5.06
1393	4.79	35.070	5.54
1687*	4.10	35.018	—
1984	3.80	35.013	5.60
2282*	3.45	34.989	5.61
2678	3.22	34.975	5.95
3075	2.97	34.955	—
3472*	2.71	34.937	—
3869*	2.510	34.923	6.07
4266	2.36	34.918	6.05
4662*	2.29	34.896	6.07
5059	2.165	34.877	6.04
5456*	2.15	34.866	5.83

Station 159; 13 April; 33° 02′ N. 56° 30′ W.; Depth 5489 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	19.58	36.669	5.22
50	19.47	36.686	5.26
100	19.15	36.663	5.03
150	18.52	36.530	5.13
200*	18.43	36.522	5.08
300	18.13	36.481	5.01
400*	17.55	36.408	4.71
500	16.56	36.234	4.36
600*	14.78	35.937	4.13
700	12.82	35.667	3.91
800*	10.94	35.456	3.72
900	8.55	35.209	3.74
1000*	7.19	35.153	4.37
1200	5.61	35.120	5.04
1400	4.75	35.064	5.63
1597*	4.10	34.999	6.04
1896	3.63	34.972	6.17
2295*	3.46	34.974	6.10
2695	3.27	34.977	5.98
3094	2.98	34.954	5.92
3493*	2.65	34.932	6.11
3892	2.445	34.918	6.06
4291	2.340	34.909	6.00
4691*	2.265	34.891	5.98
5090	2.120	34.868	5.79
5489*	2.130	34.856	Mud

Station 160; 14 April; 33° 00′ N. 54° 26′ W.; Depth 5572 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	19.50	36.525	5.26
48	19.00	36.582	5.24
96	18.58	36.515	5.25
144	18.38	36.506	5.24
191*	18.24	36.473	5.38
287	18.22	36.496	5.08
383*	17.76	36.434	4.61
480	17.29	36.368	4.52
576*	15.93	36.125	4.21
673	13.93	35.811	4.05
770*	11.42	35.464	3.51
867	9.015	35.219	3.54
964*	7.45	35.139	4.00
1160*	5.83	35.115	5.13
1361*	5.135	35.117	5.39
1673*	4.04	34.995	6.02
1966	3.75	34.988	6.05
2259*	3.54	34.992	6.00
2646	3.22	34.976	5.95
3038	2.95	34.954	5.99
3430*	2.65	34.938	6.02
3826*	2.380	34.915	6.03
4223	2.310	34.910	6.04
4620*	2.21	34.888	5.90
5024	2.17	34.880	5.85
5533*	2.200	34.870	5.76

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 161; 14 April; 34° 00′ N. 54° 30′ W.; Depth 5229 m.			
1	18.64	36.515	5.45
49	18.17	36.504	5.14
99	18.01	36.493	5.03
148	17.81	36.473	4.97
199*	17.70	36.459	4.98
296	17.18	36.355	4.59
396*	16.38	36.208	4.30
495	14.78	35.941	4.22
594*	13.07	35.684	3.91
693	10.60	35.370	3.61
793*	8.18	35.154	3.82
892	6.87	35.111	4.36
992*	6.06	35.105	4.80
1190*	5.13	35.089	5.41
1389*	4.68	35.070	5.65
1527*	4.39	35.043	5.83
1828	3.95	35.016	5.93
2129*	3.64	35.003	5.92
2428	3.37	34.986	5.92
2827*	3.11	34.967	5.88
3224*	2.79	34.943	6.05
3624*	2.605	34.932	6.06
4022	2.425	34.917	6.15
4419*	2.350	34.907	6.20
4821	2.320	34.899	6.09
5229*	2.230	34.880	5.87
Station 162; 14 April; 35° 00′ N. 54° 36′ W.; Depth 5292 m.			
1	17.77	36.457	5.42
47	17.76	36.456	5.43
97	17.56	36.440	5.12
146	17.41	36.427	5.12
193	17.39	36.425	5.11
285	17.35	36.415	5.36
374*	17.19	36.381	5.06
461	15.32	36.111	4.86
544*	13.89	35.846	4.19
623	12.28	35.620	3.86
701*	9.72	35.336	3.49
776	8.12	35.086	3.85
849*	7.28	35.131	4.16
1003*	5.98	35.118	4.93
1156*	5.11	35.066	5.48
1512*	4.25	35.018	6.37
1796	3.825	34.988	6.11
2081*	3.60	34.986	6.13
2368	—	34.979	6.11
2749	3.19	34.968	6.03
3132*	2.83	34.947	6.07
3522*	2.550	34.927	6.14
3916	2.40	34.923	6.12
4306*	2.30	34.904	6.06
4800	2.26	34.894	6.05
5292*	2.23	34.881	5.89

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 163; 15 April; 35° 56′ N. 54° 40′ W.; Depth 5370 m.			
1	17.56	36.444	5.53
50	17.56	36.441	5.36
100	17.49	36.437	5.28
150	17.38	36.428	5.49
199*	17.39	36.428	5.34
299	17.41	36.422	5.12
399*	17.36	36.419	5.06
499	17.22	36.384	5.03
598*	15.05	35.980	4.23
698	12.86	35.656	3.94
798*	10.31	35.339	3.61
897	7.65	35.090	3.94
997*	6.52	35.090	4.61
1196	5.54	35.058	5.52
1396*	4.51	35.039	5.77
1570*	4.09	34.992	6.02
1870	3.85	34.994	6.09
2170*	3.54	34.986	6.10
2570	3.24	34.976	6.03
2970*	2.94	34.951	6.00
3370	2.62	34.940	6.05
3770*	2.415	34.917	6.05
4170	2.325	34.918	5.96
4570*	2.260	34.896	6.02
4970	2.200	34.886	5.89
5370*	2.205	34.875	5.86
Station 164; 15 April; 37° 06′ N. 54° 27′ W.; Depth 5410 m.			
1	17.60	36.450	5.33
49	17.60	36.447	5.26
98	17.61	36.447	5.28
147	17.59	36.446	5.26
196	17.55	36.443	5.20
294	17.46	36.428	5.10
392*	17.34	36.401	5.04
490	16.44	36.213	4.49
588*	14.37	35.873	4.27
686	11.81	35.488	3.49
784*	9.42	35.196	3.36
882	7.26	35.047	4.08
980*	5.86	35.010	4.80
1178	4.74	35.004	5.67
1378*	4.51	35.030	5.82
1630*	4.04	34.987	6.06
1930	3.78	34.981	6.18
2230*	3.58	34.978	6.11
2630	3.290	34.970	6.07
3030*	3.01	34.951	6.12
3430	2.67	34.934	6.12
3830	2.430	34.918	6.19
4222	2.335	34.909	6.36
4613*	2.32	34.902	6.26
5010	2.28	34.892	6.06
5407*	2.28	34.885	5.99

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 165; 15 April; 37° 28′ N. 54° 33′ W.; Depth 5395 m.			
1	17.62	36.469	5.25
48	17.59	36.466	5.23
96	17.59	36.464	5.17
144	17.56	36.466	5.18
192*	17.58	36.465	5.20
293	17.41	36.424	5.18
392	—	36.325	4.88
491	16.09	36.147	4.32
590*	14.59	35.906	4.24
689	12.29	35.575	3.79
789*	9.04	35.121	3.55
889	—	34.964	4.31
989*	5.77	34.987	4.82
1190*	5.04	35.042	5.39
1394*	4.48	35.010	5.82
1664*	4.20	35.011	6.15
1960	3.75	34.974	6.15
2259*	3.59	34.979	6.10
2597	3.30	34.964	6.16
2997*	3.04	34.953	6.11
3397*	2.730	34.935	6.03
3796	2.470	34.916	6.11
4196	2.365	34.910	6.06
4595*	2.290	34.895	6.01
4895	2.245	34.883	5.94
5395*	2.225	34.876	—
Station 166; 16 April; 38° 00′ N. 54° 26′ W.; Depth 5380 m.			
1	17.60	36.478	5.25
50	17.58	36.470	5.14
100	17.56	36.466	5.18
150	17.54	36.461	5.21
200*	17.58	36.474	5.25
300	17.61	36.472	5.13
400*	17.41	36.438	4.97
500	16.74	36.293	4.67
600*	14.97	35.960	4.18
700	12.98	35.663	3.78
800*	10.40	35.348	3.63
900	7.87	35.103	3.67
1000*	6.30	35.013	4.48
1200*	4.78	34.984	5.72
1400*	4.43	34.998	5.88
1380*	4.41	34.994	5.88
1780	3.86	34.977	6.12
2180*	3.66	34.992	6.05
2580	3.285	34.970	6.05
2980*	3.01	34.957	5.99
3380*	2.66	34.937	6.06
3780*	2.43	34.917	6.10
4180	2.32	34.904	5.97
4580*	2.25	34.894	5.99
4980	2.20	34.882	5.80
5380*	2.200	34.876	—

Station 167; 16 April; 38° 30′ N. 54° 34′ W.; Depth 5346 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	17.38	36.440	5.24
50	17.39	36.440	5.20
99	17.41	36.440	5.20
149	17.40	36.440	5.20
198*	17.42	36.439	5.19
297	17.41	36.427	5.08
396	—	36.362	4.92
495	15.99	36.146	4.60
594*	14.32	35.832	4.69
693	12.42	35.568	3.61
792*	9.24	35.159	3.49
891	7.59	35.088	4.09
989*	5.95	34.985	4.73
1184*	5.11	35.059	5.38
1372*	4.60	35.050	5.70
1509*	4.29	35.016	5.91
1804	3.82	34.980	6.12
2098*	3.62	34.980	6.12
2489	3.30	34.976	6.04
2885*	3.06	34.960	5.95
3283*	2.725	34.940	6.10
3683*	2.485	34.921	6.13
4079	2.345	34.910	6.03
4477*	2.265	34.896	6.05
4876	2.225	34.887	6.09
5275*	2.210	34.874	5.80

Station 168; 16 April; 39° 02′ N. 54° 28′ W.; Depth 5309 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
3	17.83	36.484	5.47
50	17.70	36.479	5.38
100	17.67	36.477	5.31
151	17.53	36.470	5.34
201*	17.52	36.465	5.13
302	17.23	36.382	5.12
402*	16.80	36.307	4.59
503	15.260	36.020	4.78
603*	13.50	35.718	4.07
704	10.84	35.375	3.40
804*	8.20	35.100	3.67
904	6.80	35.032	4.26
1005*	5.63	35.009	4.95
1206*	4.66	34.997	5.67
1407*	4.250	34.992	5.88
1605*	4.005	34.979	6.11
1905	3.75	34.970	6.17
2205*	3.55	34.971	6.17
2505	3.325	34.967	6.15
2905*	3.08	34.953	6.13
3305*	2.76	34.940	6.19
3705*	2.49	34.917	6.18
4105	2.35	34.909	6.11
4505	2.29	34.900	6.12
4905	2.27	34.896	6.11
5305*	2.22	34.874	5.81

Station 169; 16 April; 39° 30′ N. 54° 23′ W.; Depth 5258 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	18.28	36.446	5.31
50	18.36	36.514	5.25
100	18.36	36.531	5.24
149	18.05	36.492	5.13
199*	17.72	36.455	5.12
299	17.37	36.373	4.89
398*	15.01	35.962	4.05
498	12.87	35.649	3.64
598*	9.93	35.258	3.27
697	7.73	35.071	3.70
797*	6.20	35.032	4.48
896	5.38	35.010	5.06
996*	4.93	34.999	5.44
1195*	4.45	34.998	5.99
1394*	4.18	34.985	6.23
1538 *	3.89	34.962	6.17
1835	3.74	34.966	6.17
2133*	3.56	34.965	6.12
2430	3.38	34.964	6.16
2827*	3.13	34.957	6.19
3224*	2.81	34.940	6.20
3621*	2.550	34.921	6.09
4018	2.370	34.920	6.18
4414*	2.320	34.906	6.06
4811	2.300	34.900	5.96
5208*	2.305	34.892	6.38

Station 170; 17 April; 39° 59′ N. 54° 32′ W.; Depth 5184 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	14.83	35.930	5.49
50	14.43	35.860	5.43
99	13.69	35.709	5.54
149	13.32	35.669	5.45
198*	13.28	35.681	5.38
297	12.21	35.523	4.19
396	9.37	35.191	3.16
495	7.63	35.071	3.77
594*	6.21	35.022	4.55
693	5.42	35.003	5.08
792*	4.88	34.998	5.47
891	4.58	34.996	5.72
990*	4.45	34.994	5.83
1190*	4.11	34.983	6.05
1394*	3.91	34.971	6.15
1600*	3.78	34.966	6.20
1900	3.63	34.964	6.19
2200*	3.39	34.964	6.21
2500	3.17	34.957	6.19
2800*	3.01	34.947	6.18
3200*	2.71	34.932	6.19
3600*	2.47	34.917	6.16
4000	2.34	34.908	6.22
4400*	2.30	34.901	6.23
4800	2.290	34.894	6.15
5184*	2.27	34.888	—

Station 171; 17 April; 40° 28′ N. 54° 30′ W.; Depth 5110 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	14.11	35.813	5.64
25	14.13	35.813	5.59
50	14.12	35.806	5.66
100	13.42	35.689	5.35
150*	13.20	35.671	5.37
200	12.87	35.596	5.44
300*	10.82	35.358	3.36
400	8.47	35.128	3.55
500*	6.58	35.018	4.28
600	5.44	35.002	5.01
700*	4.98	35.005	5.33
800	4.75	35.003	5.57
900*	4.55	34.999	5.72
1000*	4.32	34.995	5.85
1200*	4.03	34.978	6.05
1426*	3.85	34.970	6.50
1727	3.65	34.970	6.21
2026*	3.48	34.969	6.21
2327	3.29	34.966	6.11
2725*	3.04	34.954	6.48
3123*	2.705	34.935	6.21
3520*	2.460	34.922	6.20
3916	2.335	34.909	6.20
4316*	2.295	34.903	6.12
4711	2.290	34.900	6.16
5110*	2.285	—	6.11

Station 172; 17 April; 41° 00′ N. 54° 33′ W.; Depth 4995 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	14.49	35.878	5.63
25	14.49	35.882	5.62
50	14.47	35.873	5.52
100	12.98	35.584	5.16
150*	12.56	35.552	5.18
200	11.76	35.462	3.86
300*	9.61	35.224	3.37
402	7.89	35.090	3.74
503*	6.57	35.031	4.31
603	5.37	34.991	5.09
704*	5.03	35.003	5.33
804	4.73	35.007	5.58
904*	4.55	35.001	5.70
1005	4.32	34.993	5.94
1206*	4.06	34.984	6.05
1399*	3.85	34.967	6.20
1598	3.69	34.965	6.21
1898*	3.56	34.970	6.20
2198	3.37	34.968	6.08
2597*	3.115	34.954	6.11
2997*	2.77	34.939	6.15
3397*	2.505	34.922	6.22
3796	2.34	34.913	6.18
4196*	2.270	34.902	6.12
4595	2.260	34.898	6.11
4995	2.250	34.890	6.00

Station 173; 17 April; 41° 28′ N. 54° 30′ W.; Depth 4868 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	10.33	34.903	6.41
25	12.23	35.450	5.93
50	12.36	35.491	5.87
100	12.39	35.502	5.75
150*	12.48	35.530	5.64
200	12.53	35.564	5.45
300*	11.92	35.446	5.44
400	9.69	35.223	3.36
500*	6.52	34.858	4.27
600	5.83	34.957	4.70
700*	4.85	34.925	5.52
800	4.73	34.969	5.56
900*	4.47	34.971	5.82
1000*	4.34	34.984	5.90
1200*	4.08	34.972	6.05
1358*	3.89	34.970	6.47
1555	3.78	34.963	6.20
1848*	3.64	34.958	6.22
2143	—	34.968	6.21
2439*	3.32	34.958	6.19
2831*	2.920	34.953	6.19
3224*	2.635	34.933	6.25
3610	2.395	34.918	6.30
3986*	2.295	34.908	6.22
4364	2.270	34.902	6.16
4724	2.265	34.895	6.11

Station 174; 18 April; 42° 02′ N. 54° 32′ W.; Depth 4718 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	7.78	34.057	6.83
25	7.87	34.178	6.82
50	10.05	34.788	6.44
100	12.73	35.520	5.65
151*	12.10	35.404	5.46
201	11.69	35.414	4.52
302*	9.14	35.163	4.21
402	6.74	34.928	4.18
503	5.99	34.957	4.68
603	5.09	34.941	5.29
704*	4.69	34.942	5.61
804	4.52	34.967	5.90
905*	4.385	34.975	5.97
1005*	4.22	34.975	5.89
1206*	4.04	34.974	6.09
1407*	3.86	34.962	6.29
1608	3.70	34.959	6.26
1809*	3.57	34.956	6.27
2110	—	34.963	6.23
2412*	3.29	34.962	6.17
2714*	3.05	34.950	6.25
3116*	2.76	34.937	6.23
3518	2.46	34.919	6.32
3920*	2.30	34.907	6.27
4321	2.27	34.903	6.30

Station 175; 18 April; 42° 29′ N. 54° 26′ W.; Depth 4749 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	5.76	33.565	7.62
25	9.52	34.778	6.25
50	10.38	35.032	6.12
101	11.43	35.298	5.84
151*	11.93	35.440	5.40
201	11.62	35.442	5.11
302	10.18	35.233	3.83
402	7.65	34.964	3.94
502	6.79	34.903	4.73
602	5.14	34.931	5.20
703*	4.05	34.858	6.20
803	4.48	34.968	5.82
904*	4.14	34.941	6.10
1004*	4.08	34.952	6.12
1205*	4.01	34.975	6.11
1341*	3.95	34.968	6.40
1539	3.78	34.962	6.18
1837*	3.57	34.959	6.32
2135	—	34.960	6.27
2433*	3.24	34.955	6.05
2731*	3.01	34.947	6.07
3128*	2.670	34.951	6.01
3525	2.380	34.917	6.29
3922*	2.260	34.913	6.10
4320	2.255	34.902	6.20
4717*	2.275	34.901	6.34

Station 176; 18 April; 42° 55′ N. 54° 18′ W.; Depth 4537 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	7.89	34.321	6.68
25	9.36	34.728	6.37
50	10.32	34.974	6.03
100	12.31	—	5.53
150*	11.67	35.387	5.34
199	11.37	35.361	5.18
299*	7.79	34.881	4.12
399	6.77	34.947	4.16
499*	5.67	34.918	4.74
598	4.79	34.909	5.42
698*	4.60	34.913	5.67
798	4.39	34.953	5.86
897*	4.12	34.936	6.10
997*	4.09	34.950	6.11
1196*	3.990	34.960	6.21
1416*	3.80	34.955	6.27
1614	3.72	34.956	6.27
1813*	3.60	34.957	6.22
2109	3.480	34.958	6.23
2406*	3.31	34.962	6.20
2703*	3.075	34.951	6.25
3000*	2.85	34.941	6.22
3297	2.63	34.933	6.33
3693	2.39	34.916	6.33
4089	2.295	34.908	6.29
4484*	2.29	34.905	6.27

Station 177; 18 April; 43° 17′ N. 54° 32′ W.; Depth 4281 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	6.22	33.687	7.11
25	8.00	34.337	6.56
49	9.17	34.687	6.39
98	11.07	35.192	5.83
148*	11.35	35.306	5.65
197	11.34	35.346	5.28
295*	8.61	35.082	3.60
394	6.49	34.905	4.31
492*	5.20	34.869	5.11
590	4.96	34.924	5.40
689*	4.58	34.945	5.69
787	4.35	34.941	5.89
886*	4.20	34.937	6.08
984*	4.18	34.960	6.12
1181*	3.94	34.951	6.15
1348*	3.81	34.951	6.20
1543	3.72	34.952	6.33
1836*	3.62	34.955	6.33
2225	3.40	34.959	6.22
2614*	3.095	34.954	6.20
3006	2.745	34.938	6.30
3394*	2.445	34.922	6.27
3781	2.280	34.908	6.27
4168*	2.250	34.903	6.36

Station 178; 18 April; 43° 39′ N. 54° 29′ W.; Depth 3617 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	4.92	33.258	7.37
25	4.79	33.259	7.48
50	6.26	33.905	6.77
100	7.89	34.671	4.70
149*	7.11	34.720	4.52
195	7.20	34.858	4.18
284*	5.81	34.837	4.55
371	5.04	34.831	5.05
453	4.74	34.859	5.32
533	4.50	34.903	5.69
608*	4.40	34.927	5.77
685	4.20	34.929	5.87
760*	4.00	34.917	6.28
839	4.035	34.934	6.21
1002*	3.80	34.919	6.18
1400*	3.79	34.950	6.34
1600	3.72	34.953	6.20
1800*	3.61	34.948	6.32
2100	3.43	34.952	6.26
2400*	3.26	34.952	6.28
2700	3.00	34.944	6.28
3000*	2.65	34.934	6.40
3300	2.39	34.921	6.40
3600*	2.235	34.910	6.32

Station 179; 18 April; 44° 00′ N. 54° 28′ W.; Depth 2894 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	4.25	32.911	7.57
25	4.32	33.086	7.52
49	6.12	33.845	6.69
99	7.92	34.361	6.12
148*	8.50	34.678	5.07
197	8.64	34.951	4.09
296*	6.73	34.861	4.35
394	5.60	34.880	4.83
493*	4.92	34.916	5.28
591	4.22	34.867	5.86
699	3.90	34.870	6.15
798	3.90	34.897	6.31
998*	3.86	34.923	6.26
1198	3.80	34.932	6.32
1397*	3.80	34.946	6.26
1597	3.685	34.950	6.25
1796*	3.550	34.943	6.28
1996	3.465	34.949	6.19
2295*	3.250	34.952	6.17
2595	2.955	34.943	6.32
2894*	2.635	34.934	—

Station 180; 19 April; 44° 21′ N. 54° 32′ W.; Depth 2673 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1367*	3.775	34.937	6.26
1568	3.73	34.941	6.26
1869*	3.65	34.947	6.28
2271	3.26	34.952	6.25
2673*	2.96	34.948	6.29

Station 181; 19 April; 44° 39′ N. 54° 28′ W.; Depth 1344 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	4.26	32.923	7.38
10	4.25	32.922	7.63
59	7.81	34.307	6.52
108	9.37	34.895	5.93
156	5.75	34.513	5.38
205	5.18	34.494	5.51
303*	4.74	34.653	5.43
401	4.25	34.721	5.86
499*	4.15	34.805	5.97
597	3.97	34.829	6.08
694*	3.91	34.851	6.25
792	3.86	34.866	6.28
890*	3.88	34.872	6.26
1086	3.760	34.886	6.40
1281*	3.705	34.896	6.38

Station 182; 19 April; 45° 02′ N. 54° 27′ W.; Depth 349 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	1.78	32.569	8.06
30	1.75	32.570	8.10
55	1.47	32.572	7.95
80*	1.27	32.776	7.47
130	5.40	34.099	6.01
180*	6.18	34.632	4.86
230	5.89	34.723	4.72
280	5.54	34.699	5.98
330*	5.57	34.756	4.91

Station 183; 19 April; 43° 40′ N. 52° 28′ W.; Depth 1037 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	3.76	32.771	7.63
25	3.23	32.956	7.66
75	5.02	33.804	6.37
125	6.86	34.502	5.73
174	7.07	34.666	5.31
224	6.12	34.642	5.29
324*	5.98	34.872	4.74
423	4.34	34.757	5.83
523*	4.20	34.813	6.01
623	3.82	34.813	6.36
722*	4.03	34.883	6.17
822	4.09	34.909	6.15
1021*	3.75	34.882	6.41

Station 184; 19 April; 43° 20′ N. 52° 31′ W.; Depth 2693 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	5.94	33.544	7.30
25	4.26	33.590	7.75
50	3.32	33.686	7.45
100	5.54	34.306	6.62
151	8.24	34.923	4.42
201	5.52	34.617	5.22
302*	2.71	34.372	6.54
402	4.44	34.732	5.49
503	4.96	34.923	5.40
603	4.64	34.953	5.68
704*	4.42	34.954	5.90
804	4.27	34.962	5.97
905	4.16	34.961	6.07
1005	4.10	34.968	6.07
1206*	3.93	34.961	6.14
1487*	3.82	34.961	6.21
1688	3.68	34.962	6.24
1889*	3.52	34.954	6.22
2090	3.41	34.953	6.26
2291*	3.25	34.944	6.20
2492	3.16	34.946	6.27
2693*	3.03	34.943	6.29

Station 185; 19 April; 42° 59′ N. 52° 30′ W.; Depth 3149 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	6.15	33.602	7.39
24	5.46	33.673	7.47
49	5.86	33.839	7.12
97	7.86	34.496	5.21
145	4.40	34.363	5.96
194	2.81	34.277	6.50
291*	3.68	34.568	6.09
388	4.98	34.901	5.28
484*	4.42	34.898	5.80
581	4.40	34.945	5.91
678*	3.95	34.907	6.25
775	3.88	34.914	6.31
872*	3.93	34.930	6.25
969	3.60	34.895	6.47
1163*	3.90	34.953	6.16
1249*	3.87	34.953	6.14
1449	3.78	34.963	5.93
1649	3.68	34.957	5.84
1848	3.545	34.961	6.17
2048*	3.405	34.957	6.15
2248	3.29	34.956	6.13
2547*	3.03	34.944	6.30
2847	2.770	34.935	6.35
3147*	2.435	34.922	6.35

Station 186; 20 April; 42° 40′ N. 52° 30′ W.; Depth 3544 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	5.77	33.483	7.54
25	5.31	33.467	7.48
51	5.20	33.482	7.30
101	2.91	34.113	6.51
151	3.91	34.453	5.84
201	4.84	34.711	5.28
302*	4.66	34.842	5.55
402	5.05	34.971	5.32
503*	4.515	34.945	5.73
603	4.39	34.962	5.96
704*	4.18	34.953	6.13
804	3.925	34.932	6.30
904*	3.93	34.935	6.25
1005	3.83	34.939	6.16
1206*	3.85	34.979	6.15
1447*	3.65	34.951	6.25
1648	3.55	34.950	6.26
1849*	3.43	34.946	6.26
2050	3.360	34.960	6.15
2352*	3.14	34.949	6.42
2653	2.92	34.941	6.26
2955*	2.595	34.931	6.38
3243	2.38	34.921	6.42
3544	2.27	34.914	6.52

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.	Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 187; 20 April; 42° 20′ N. 52° 33′ W.; Depth 4022 m.				Station 189; 20 April; 41° 30′ N. 52° 30′ W.; Depth 5075 m.				Station 191; 21 April; 40° 32′ N. 52° 43′ W.; Depth 5190 m.			
1	5.93	33.489	7.43	1	10.31	34.533	6.72	1	17.06	36.340	5.19
25	5.33	33.523	7.47	25	11.57	35.189	6.85	25	17.10	36.334	5.21
50	5.16	33.568	7.18	50	11.96	35.300	5.96	50	17.10	36.333	5.15
100	4.21	34.017	6.42	100	12.53	35.512	5.78	100	16.88	36.302	4.90
150	4.92	34.551	5.38	150	12.62	35.587	5.52	150	16.48	36.228	4.61
200	4.83	34.666	5.44	200	11.98	35.458	5.54	200	14.93	35.943	4.10
299*	4.23	34.747	5.72	300*	9.05	35.092	3.78	299*	13.35	35.682	4.64
399	4.28	34.850	5.85	400	6.74	34.873	4.31	399	11.30	35.416	4.53
499*	4.45	34.940	5.84	500*	5.74	34.921	4.75	499	7.92	35.000	3.79
599	4.54	34.990	5.67	600	4.87	34.910	5.48	599	6.54	35.030	4.33
699*	4.17	34.953	6.20	700*	4.59	34.933	5.78	699*	4.93	34.933	5.38
798	4.00	34.941	6.15	800	4.54	34.975	5.82	798	4.35	34.895	5.72
898*	4.04	34.956	6.08	900*	4.39	34.976	5.96	898*	4.39	34.954	5.91
998	4.03	34.971	5.99	1000	4.24	34.975	6.07	998	4.35	34.978	5.82
1198*	3.94	—	6.07	1200*	4.065	34.976	6.09	1197*	4.090	34.973	6.08
1321	3.82	34.970	6.12	1379	3.87	34.963	6.19	1406	3.94	34.975	—
1519	3.67	34.963	6.14	1679	3.60	34.948	6.31	1707	3.66	34.961	6.24
1718*	3.56	34.966	6.13	1978*	3.51	34.962	6.30	2008*	3.49	34.958	6.19
1916	3.41	34.958	6.28	2278	3.31	34.951	6.26	2410	3.28	34.959	6.17
2214*	3.26	34.959	6.19	2677*	3.03	34.944	6.36	2811*	2.970	34.948	6.09
2512	2.98	34.944	6.24	3077	2.70	34.934	6.30	3213	2.655	34.933	6.15
2810*	2.715	34.935	6.24	3477*	2.450	34.917	5.95	3614*	2.435	34.921	—
3108	2.505	34.926	6.07	3876	2.320	34.908	6.05	4016	2.341	34.907	6.13
3406*	2.300	34.913	6.06	4276*	2.270	34.897	5.94	4409*	2.290	34.904	6.35
3704	2.215	34.902	6.30?	4675	2.250	34.892	6.04	4800	2.280	34.895	6.10
4002*	2.230	34.903	—	5075*	2.245	34.882	6.12	5190*	2.285	34.890	6.12
Station 188; 20 April; 42° 00′ N. 52° 30′ W.; Depth 4493 m.				Station 190; 20 April; 41° 01′ N. 52° 32′ W.; Depth 4916 m.				Station 192; 21 April; 40° 00′ N. 52° 30′ W.; Depth 5247 m.			
1	5.96	33.320	7.35	1	9.52	34.267	6.84	1	14.57	35.900	5.99
25	5.42	33.516	7.18	25	13.64	35.663	6.05	51	14.43	35.892	5.69
50	6.41	34.045	6.65	50	12.99	35.540	5.81	101	14.33	35.872	5.62
100	9.54	34.895	5.65	100	10.98	35.181	5.30	151	13.64	35.746	5.12
150	9.41	35.051	4.03	150*	11.25	35.298	5.30	201*	13.24	35.680	5.13
199	7.35	34.795	4.60	200	11.09	35.298	5.08	302	11.18	35.386	3.61
298*	5.18	34.698	5.10	300*	8.73	35.013	3.89	403*	8.94	35.139	3.40
396	4.78	34.810	5.40	400	7.35	34.958	4.10	504	7.13	35.001	4.05
494	4.78	34.931	5.48	500	—	34.998	4.35	604*	5.13	34.826	5.13
590	4.68	34.970	5.72	600	5.51	35.008	5.15	705	5.18	34.975	5.23
687*	4.315	34.957	5.93	700*	4.99	35.007	5.43	806*	4.91	35.004	5.46
784	4.475	35.004	5.85	798	4.64	34.994	5.69	906	4.72	35.011	5.70
882*	4.25	34.980	6.00	892*	4.44	34.991	5.78	1007*	4.50	35.004	5.89
980	4.065	34.967	6.12	986	4.30	34.991	5.88	1208	4.19	34.996	6.15
1176*	3.790	34.949	6.24	1169*	4.065	34.979	6.02	1410	3.98	34.984	6.15
1406	3.70	34.947	6.31	1334*	3.945	34.972	6.07	1634	3.79	34.978	6.30
1606	3.62	34.955	6.26	1635	3.68	34.963	6.19	1832	3.64	34.973	6.13
1807*	3.46	34.948	6.33	1936*	3.53	34.962	6.24	2129*	3.43	34.967	6.16
2108	3.31	34.950	6.31	2237	3.36	34.961	6.16	2426	3.25	34.961	6.17
2410*	3.155	34.947	6.30	2538*	3.09	34.945	6.41	2822*	2.965	34.955	6.09
2711	2.91	34.939	6.28	2838	2.875	34.941	6.19	3218	2.705	34.935	6.14
3012*	2.700	34.933	6.19	3240*	2.530	34.924	6.21	3614*	2.470	34.918	6.12
3313	2.51	34.922	6.19	3641	2.33	34.907	6.13	4010	2.34	34.908	6.24
3715*	2.310	34.909	6.24	4042*	2.270	34.899	6.14	4406*	2.28	34.899	6.16
4092	2.25	34.900	6.29	4443	2.255	34.897	6.08	4802	2.27	34.894	6.17
4464*	2.250	34.902	6.30	4844*	2.255	34.890	6.07	5198*	2.27	34.889	6.05

Station 193; 21 April; 39° 29′ N. 52° 30′ W.; Depth 5300 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	9.21	34.136	6.91
44	10.13	34.676	6.30
86	12.80	35.563	5.01
128	12.13	35.560	4.98
168	11.97	35.439	5.31
246	11.75	35.409	5.19
316*	10.96	35.404	4.77
390	9.34	35.221	3.56
462*	8.14	35.130	3.45
522	6.93	35.011	3.97
581*	5.90	34.925	4.46
635	5.30	34.914	4.81
681*	4.96	34.903	5.48
793	5.16	35.083	5.26
901*	—	35.058	5.60
1303	3.98	34.972	6.14
1703	3.69	34.964	6.19
2104*	3.43	34.963	6.42
2505	—	34.963	6.16
2905*	2.96	34.951	6.13
3302	2.660	34.933	6.14
3700	2.420	34.916	6.23
4100	2.315	34.905	6.26
4500*	2.275	34.895	6.19
4900	2.265	34.894	6.01
5300	2.230	34.874	6.21

Station 194; 21 April; 39° 00′ N. 52° 30′ W.; Depth 5349 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	17.92	36.453	5.37
50	17.93	36.454	5.43
100	17.98	36.437	5.24
150	17.55	36.406	4.99
200	17.33	36.400	4.80
299	15.70	36.057	4.12
396*	13.28	35.624	5.04
494	11.59	35.420	4.32
591*	9.21	35.189	3.38
687	6.74	34.926	4.36
785*	5.41	34.910	5.09
883	5.84	35.083	5.02
981*	4.89	35.002	5.50
1177	4.42	35.000	5.84
1373*	4.10	34.978	6.01
1628*	3.87	34.969	6.22
1925	3.67	34.968	6.22
2221*	3.50	34.968	6.17
2517	3.340	34.964	6.15
2912*	2.99	34.950	6.23
3306	2.705	34.935	6.23
3701*	2.46	34.921	6.24
4096	2.32	34.906	6.21
4491*	2.29	34.899	6.15
4886	2.28	34.895	6.13
5280*	2.240	34.881	5.96

Station 195; 21 April; 38° 22′ N. 52° 30′ W.; Depth 5388 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	18.54	36.456	4.76
30	18.48	36.453	5.23
61	18.32	36.454	5.30
92	18.17	36.490	5.37
122*	17.99	36.500	5.47
186	17.77	36.456	5.47
254*	17.48	36.435	5.01
326	17.28	36.390	4.80
403	15.97	36.255	4.38
480	15.12	36.054	4.15
565*	13.43	35.723	4.46
648	9.43	35.350	3.37
982*	5.22	34.920	5.18
1182	4.77	35.002	5.60
1383*	4.31	34.990	5.91
1605	4.08	34.983	6.03
1906	3.77	34.968	6.23
2207*	3.60	34.971	6.14
2608	3.34	34.965	6.19
3009*	3.04	34.953	6.16
3410	2.700	34.935	6.23
3811*	2.460	34.921	6.48
4211	2.335	34.907	6.42
4605*	2.280	34.898	6.12
4995	2.280	34.895	6.10
5384*	—	34.880	6.57

Station 196; 22 April; 37° 57′ N. 52° 30′ W.; Depth 5333 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	17.58	36.482	5.38
50	17.59	36.486	5.32
100	17.62	36.485	5.31
150	17.55	36.484	5.18
201*	17.57	36.483	5.13
301	17.61	36.482	5.15
401*	17.58	36.481	5.16
502	17.11	36.367	4.95
602*	15.41	36.026	4.35
702	13.55	35.746	3.87
802*	11.15	35.414	3.38
903	8.57	35.126	3.44
1003*	6.74	35.021	4.26
1204	4.82	34.969	5.53
1404*	4.52	35.002	5.76
1620*	4.22	34.995	6.16
1918	3.85	34.973	6.15
2217*	3.63	34.966	6.17
2515	3.49	34.970	6.14
2912*	3.17	34.958	6.15
3310	2.87	34.944	6.19
3708*	2.570	34.929	6.19
4105	2.380	34.910	6.14
4503*	2.32	34.901	6.12
4900	2.30	34.897	6.08
5298*	2.31	34.894	6.07

Station 197; 22 April; 37° 28′ N. 52° 25′ W.; Depth 5419 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	17.54	36.483	5.32
50	17.58	36.481	5.31
100	17.60	36.482	5.33
150	17.59	36.484	5.65
1200*	17.58	36.477	5.38
300	17.61	36.481	5.15
401	17.58	36.479	5.17
501	17.58	36.474	5.26
601*	16.72	36.275	4.65
701	14.88	35.939	4.38
802*	12.76	35.623	3.62
902	11.09	35.399	3.45
1002*	8.22	35.076	3.70
1202	5.38	35.004	5.29
1403*	4.605	35.004	5.69
1633*	4.19	34.984	6.00
1934	3.85	34.970	6.15
2234*	3.65	34.970	6.20
2635	3.40	34.967	6.17
3036*	3.05	34.951	6.20
3437	2.74	34.936	6.19
3838*	2.520	34.921	6.20
4238	2.390	34.912	6.16
4639*	2.370	34.906	6.15
5040	2.350	34.903	6.10

Station 198; 22 April; 37° 00′ N. 52° 28′ W.; Depth 5440 m.

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
1	17.67	36.469	5.60
49	17.73	36.466	5.61
98	17.54	36.452	5.13
147	17.44	36.438	5.08
196*	17.47	36.449	5.29
293	17.22	36.395	4.99
391*	16.82	36.321	4.87
487	15.80	36.109	4.39
584*	14.56	35.893	4.11
680	12.96	35.639	4.14
775*	11.36	35.450	3.85
870	9.26	35.183	3.36
966*	7.315	35.055	3.97
1159	5.41	35.005	5.01
1352*	4.69	35.002	5.61
1625*	4.19	34.984	5.94
1924	3.87	34.970	6.08
2224*	3.66	34.968	6.07
2640*	3.38	34.964	6.10
3040	3.10	34.954	6.30
3440	2.79	34.938	6.19
3840*	2.530	34.920	6.19
4240	—	34.909	6.10
4640*	2.33	34.899	6.07
5040	2.33	34.894	6.06
5440*	2.31	34.885	5.98

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 199; 23 April; 36° 00′ N. 52° 34′ W.; Depth 5335 m.			
1	17.74	36.488	5.59
47	17.72	36.476	5.50
94	17.72	36.489	5.18
141	17.66	36.478	5.18
188*	17.67	36.481	5.40
282	17.56	36.460	5.01
376*	17.28	36.402	4.99
469	16.81	36.286	4.69
562*	15.63	36.076	4.32
652	14.51	35.926	4.55
742*	13.33	35.743	4.33
827	11.20	35.449	3.83
911	8.36	35.214	3.78
1075	6.16	35.118	4.81
1231*	5.705	35.099	5.31
1532*	4.37	35.011	5.87
1832	3.92	34.986	6.01
2132*	3.63	34.975	6.08
2533	3.41	34.977	6.12
2933*	3.040	34.958	6.01
3333	2.725	34.939	6.03
3734	—	34.917	5.88
4134	2.300	34.903	6.21
4535*	2.235	34.897	6.01
4935	2.195	34.882	5.91
5335	2.240	34.877	Mud
Station 200; 23 April; 34° 58′ N. 52° 30′ W.; Depth 5466 m.			
1	17.55	36.441	5.50
50	17.51	36.441	5.68
100	17.51	36.445	5.23
150	17.39	36.428	5.12
200*	17.38	36.427	5.05
300	17.31	36.412	5.02
400	—	36.287	4.47
500	14.97	35.973	3.98
598*	13.24	35.700	4.08
696	10.92	35.396	3.59
794*	8.53	35.147	3.35
891	7.28	35.118	4.11
991*	6.24	35.085	4.42
1193	4.995	35.048	5.48
1394*	4.55	35.045	5.84
1568*	4.275	35.019	5.92
1862	3.88	34.999	6.01
2156*	3.60	34.982	6.02
2548	3.26	34.963	6.01
2940*	2.93	34.953	6.01
3335	2.60	—	6.00
3732*	2.405	34.913	6.02
4129	2.30	34.899	6.02
4526*	2.24	34.896	5.96
4925	2.19	34.883	5.87
5324*	2.220	34.876	5.78

Depth, meters	Temperature, °C	Salinity, ‰	O_2 ml/l.
Station 201; 23 April; 33° 58′ N. 52° 24′ W.; Depth 5554 m.			
1	18.76	36.570	5.41
50	18.73	36.576	5.33
100	18.26	36.511	5.06
150	18.01	36.490	5.02
200*	17.86	36.470	4.89
299	17.68	36.443	4.97
399	—	36.362	4.69
499	16.48	36.232	4.63
599*	14.85	35.933	4.26
699	13.03	35.689	3.87
798*	10.40	35.324	3.48
898	8.55	35.158	3.68
998*	6.79	35.057	4.34
1198	5.23	35.056	5.33
1397	—	35.034	5.78
1154*	5.62	35.082	5.13
1540	4.24	35.005	5.76
1924*	3.80	34.992	6.01
2309	3.49	34.982	5.67
2694	3.15	34.964	5.71
3136*	2.820	34.943	5.96
3537	2.555	34.922	5.89
3938*	2.367	34.910	6.21
4339	2.302	34.899	6.00
4739*	2.229	34.886	5.89
5140	2.190	34.876	5.88
5541*	2.240	34.876	—
Station 202; 24 April; 33° 00′ N. 52° 27′ W.; Depth 5285 m.			
1	20.12	36.709	5.20
46	20.15	36.712	5.18
93	19.82	36.674	5.13
140	19.07	36.564	4.88
188*	18.25	36.492	4.71
286	17.55	36.411	4.63
386*	16.96	36.320	4.55
487	15.75	36.118	4.45
587*	14.38	35.904	4.35
687	12.86	35.687	4.12
789*	10.75	35.440	3.78
889	9.13	35.284	3.77
989*	7.79	35.239	4.08
1190	5.87	35.133	5.01
1392	4.90	35.077	5.57
1685*	4.32	35.047	5.89
2086	3.63	34.990	6.07
2387*	3.35	34.990	6.05
2685	3.16	34.971	5.99
2986*	2.95	34.956	6.02
3283	2.74	34.940	6.09
3680	2.500	34.920	6.07
4080	2.34	34.907	6.01
4480*	2.21	34.887	5.94
4880	2.16	34.876	5.85
5281*	2.18	34.871	5.79

Station 203; 4 May; 39° 04′ N. 68° 30′ W.; Depth 3259 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	13.27	35.236
50	12.53	35.325
100	12.23	35.448
150	11.72	35.405
200*	10.54	35.316
300	8.20	35.106
405	6.64	35.043
505	5.35	35.006
605	4.73	35.000
705	4.53	34.994
805*	4.33	34.995
905	—	34.987
1005*	4.03	—
1210	3.84	34.974
1410*	3.66	34.965
1610	3.58	34.967
1810	3.47	34.965
2010*	3.33	34.962
2200	3.16	34.956
2395*	2.99	34.951
2590	2.80	34.943
2810*	2.625	34.933
3005	2.48	34.927
3200*	2.32	34.919

Station 204; 4 May; 37° 56′ N. 68° 21′ W.; Depth 4409 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	24.09	36.385
50	24.08	36.379
100	20.68	36.639
150	19.12	36.549
195*	18.29	36.500
285	17.35	36.360
370*	15.53	36.078
445	13.59	35.732
520*	11.17	35.402
585	9.24	35.176
645*	8.17	35.090
710	—	35.043
775	5.79	34.992
900	4.87	34.983
1025*	4.43	34.976

Station 205; 4 May; 37° 40′ N. 68° 30′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
1	22.86	36.429
50	32.84	36.434
100	21.19	36.636
150	19.14	36.553
200*	18.23	36.532
300	18.03	36.524
395*	17.93	36.520
495	17.82	36.499
590*	16.75	36.284
680	13.66	35.780
770*	11.62	35.480
860	9.26	35.195
950*	7.72	35.108
1135	5.09	35.019
1315*	4.44	34.996

Station 206; 4 May; 37° 21′ N. 68° 32′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
1	19.52	36.547
50	19.43	36.542
100	18.73	36.531
150	18.05	36.527
200*	18.02	36.528
305	17.98	36.522
405*	17.99	36.532
505	17.96	36.514
605*	17.63	36.448
705	16.15	36.166
805*	14.06	35.830
910	11.21	35.387
1010	—	35.192
1210	5.67	35.024
1415	4.68	35.006

Station 207; 7 May; 38° 06′ N. 65° 53′ W.; Depth 4817 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	22.59	36.452
50	22.53	36.454
100	22.03	36.561
145	20.09	36.607
195*	18.89	36.541
295	17.87	36.458
390*	16.94	36.311
485	15.24	36.029
575*	12.23	35.546
670	9.89	35.249
760*	7.69	35.086
845	5.88	35.012
930	5.14	35.010
1115	4.52	35.002
1300*	4.22	34.990
1475*	3.99	34.974
1750	3.77	34.963
2025	—	34.970
2305	3.38	34.964
2580	3.165	34.959
2875	2.92	34.949
3175*	2.66	34.934

Station 208; 7 May; 38° 16′ N. 65° 57′ W.; Depth 4757 m.

Depth, meters	Temperature, °C	Salinity, ‰
0	22.44	36.475
50	22.40	36.477
95	21.48	36.655
140	19.45	36.558
185	18.37	36.502
275	17.28	36.364
360*	15.52	36.070
435	11.13	35.217
510	10.34	35.285
600	7.68	35.076
675*	6.33	35.056
745	5.55	34.991
815*	4.67	34.959
955	4.41	34.982
1085	4.36	34.976
1230*	4.15	34.982
1465	3.89	34.966
1710*	3.70	34.964
1990	3.54	34.965
2260*	2.86	34.963
2520	3.19	34.960
2770*	2.99	34.949

Station 209; 8 May; 38° 26′ N. 66° 04′ W.; Depth 4706 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	23.98	36.344
45	23.92	36.345
90	18.85	36.099
140	10.06	34.508
185	10.20	34.795
275	11.28	35.298
370*	9.68	35.195
450	8.01	35.094
530	6.44	35.024
610	5.37	34.971
685*	5.07	34.982
765	4.72	34.973
845*	4.72	35.021
1020	4.32	35.002
1190*	4.075	34.988

Station 210; 8 May; 38° 33′ N. 66° 10′ W.; Depth 4592 m.

Depth, meters	Temperature, °C	Salinity, ‰
0	23.09	36.244
45	15.33	34.914
95	13.20	35.342
140	11.88	35.320
185	11.44	35.336
280	9.55	35.066
375*	7.75	35.025
470	6.38	35.171?
560*	5.31	34.989
655	4.88	35.004
750*	4.64	35.009
845	—	35.042
935*	4.28	35.000
1115	3.97	34.975
1300	3.83	34.970

Station 211; 14 May; 38° 40′ N. 61° 30′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
1	21.14	36.358
50	19.51	36.543
100	18.82	36.551
145	18.42	36.522
195	18.19	36.507
295	17.95	36.483
390*	17.75	36.457
490	17.28	36.364
590*	15.89	36.097
685	14.47	35.888
785*	12.13	35.549
885	10.05	35.265
980*	7.74	35.073
1175	5.14	35.009
1375*	4.53	34.999

Station 212; 14 May; 39° 01′ N. 61° 31′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
1	21.58	36.521
50	20.17	36.545
100	18.81	36.545
145	18.37	36.527
195	18.25	36.534
295	18.06	36.513
390*	17.91	36.489
490	17.53	36.452
585*	16.49	36.210
685	14.30	35.865
785*	12.34	35.534
880	10.09	35.275
980*	8.14	35.091
1175	5.285	35.007
1370*	4.575	35.004

Station 213; 14 May; 39° 20′ N. 61° 29′ W.; Depth 5075 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	21.05	35.526
50	19.41	36.527
100	18.63	36.540
145	18.19	36.504
195	18.07	36.515
295	17.99	36.521
390*	17.86	36.509
490	17.38	36.400
590	15.62	36.079
685	13.71	35.775
785*	11.09	35.402
880	9.35	35.196
975*	6.94	35.048
1170	5.01	35.005
1360	4.37	34.984

Station 214; 14 May; 39° 41′ N. 61° 26′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
0	21.39	36.549
50	20.67	36.622
95	19.45	36.574
145	18.54	36.535
195	18.11	36.493
290	17.87	36.472
390*	17.58	36.421
485	16.86	36.284
580	15.35	36.037
675	13.10	35.694
770*	10.40	35.319
870	8.55	35.143
965*	6.26	35.021
1155	4.89	35.010
1345*	4.37	34.994

Station 215; 14 May; 40° 01′ N. 61° 21′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
1	21.64	36.555
50	19.68	36.553
100	18.96	36.558
150	18.31	36.526
200	18.13	36.536
295	17.93	36.504
395*	17.83	36.496
495	17.08	36.341
590	15.20	36.004
685	12.30	35.563
780*	9.44	35.190
880	7.60	35.097
975*	5.72	35.016
1170	4.66	35.001
1370*	4.210	34.984

Station 216; 14 May; 40° 20′ N. 61° 19′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
1	22.95	36.414
50	20.31	36.590
100	18.88	36.551
145	18.18	36.515
196	17.97	36.509
295	17.91	36.514
390*	17.34	36.397
490	15.13	36.000
585	12.56	35.607
680	9.39	35.221
775*	7.36	35.045
875	5.99	35.036
970*	5.22	35.035
1160	4.51	34.998
1350*	4.14	34.980

Station 217; 15 May; 40° 41′ N. 61° 18′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
1	23.58	36.352
50	20.09	36.579
95	18.78	36.547
145	18.15	36.530
190	17.93	36.492
290	17.91	36.512
385*	17.08	36.339
470	14.26	35.851
550*	11.58	35.460
630	9.19	35.155
715*	7.22	35.071
805	6.01	35.016
890*	5.08	34.993
1070	4.58	34.998
1250*	4.215	34.988

Station 218; 15 May; 41° 00′ N. 61° 16′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
0	23.89	36.355
50	20.88	36.567
95	19.62	36.578
145	18.32	36.523
195	17.95	36.509
290	16.86	36.301
385*	14.94	35.937
480	11.45	35.437
575	9.08	35.170
665	6.85	35.047
750*	5.55	34.995
835	5.03	35.000
910*	4.75	35.007
1055	4.36	34.993
1185*	4.21	35.003

Station 219; 15 May; 41° 20′ N. 61° 14′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
0	23.94	36.332
50	22.56	36.523
95	20.99	36.587
145	17.95	36.334
195	16.46	36.219
290	14.48	35.861
390*	11.13	35.360
485	9.39	35.190
580*	7.47	35.085
680	5.97	35.019
780*	5.20	35.009
875	4.70	34.991
975*	4.48	34.988
1170	4.14	34.977
1370*	3.98	34.978

Station 220; 15 May; 41° 42′ N. 61° 10′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
0	21.42	35.992
50	18.02	35.901
95	13.39	35.266
145	13.32	35.576
195	10.68	35.047
290	10.86	35.341
390*	8.58	35.120
485	6.79	35.009
580*	5.41	34.943
680	5.05	34.970
775*	4.59	34.951
875	4.57	34.989
970*	4.32	34.977
1165	4.08	34.962
1360*	3.90	34.968

Station 221; 19 May; 37° 30′ N. 61° 28′ W.; Depth 5079 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	20.98	36.553
50	20.23	36.554
95	19.12	36.543
145	18.50	36.537
195	18.25	36.517
290	18.05	36.515
390	17.87	36.485
485	17.74	36.474
585	16.45	36.210
680	15.05	35.987
775*	12.58	35.615
875	10.21	35.298
970*	7.91	35.088
1165	5.32	35.027
1360*	4.62	35.010
1530	4.40	35.005
1820*	3.93	34.982
2105	3.69	34.970
2390*	3.54	34.970
2680	3.32	34.966
2965	3.07	34.956
3255	2.83	34.947
3540	2.61	34.933
3925	—	34.917
4305*	2.32	34.909
4690*	2.33	34.908

Station 222; 19 May; 36° 58′ N. 61° 31′ W.; Depth 4998 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	22.19	36.490
50	22.10	36.498
95	21.31	36.545
145	20.37	36.591
195	19.24	36.559
290	18.21	36.486
390*	17.49	36.397
485	16.09	36.163
585*	14.28	35.858
680	11.83	35.493
780*	9.69	35.237
875	7.47	35.071
970*	5.81	35.012
1160	4.82	35.015
1355*	4.38	35.005
1530	4.19	34.991
1810*	3.79	34.970
2090	3.62	34.971
2365*	3.44	34.972
2645	3.23	34.966
2925	3.01	34.952
3205	2.75	34.939
3485	2.54	34.931
3860	—	34.915
4235	2.295	34.908
4605*	2.31	34.903

Station 223; 19 May; 36° 29′ N. 61° 38′ W.; Depth 4771 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	21.58	36.448
45	20.20	36.421
90	18.10	36.393
135	17.52	36.397
180	16.77	36.260
270	15.27	35.974
360*	13.66	35.700
450	12.61	35.569
540	11.10	35.386
625	9.46	35.210
715*	7.86	35.082
800	6.68	35.048
885*	6.04	35.064
1065	4.85	34.999
1260*	4.38	34.995
1460*	4.03	34.980
1735	3.85	34.970
2010*	3.63	34.968
2280	3.44	34.967
2545*	3.23	34.962
2825	3.00	34.950
3100	2.76	34.939
3380*	2.53	34.925
3770	2.36	34.911
4165	2.29	34.902
4565*	2.28	34.896

Station 224; 19 May; 35° 58′ N. 61° 29′ W.; Depth 4898 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	22.15	36.426
50	19.38	36.509
95	18.36	36.531
145	18.15	36.520
195	18.05	36.515
290	17.82	36.489
390*	17.10	36.337
485	15.31	36.015
585	13.17	35.659
685	10.83	35.369
780*	8.86	35.183
880	7.37	35.110
970*	6.22	35.086
1165	4.87	35.016
1355*	4.33	34.994
1545*	4.07	34.980
1835	3.84	34.977
2125*	3.60	34.970
2410	3.41	34.970
2705*	3.18	34.959
2995	2.91	34.947
3285	2.69	34.933
3580	2.50	34.922
3965	2.36	34.910
4355*	2.31	34.901
4745	2.28	34.895

Station 225; 19 May; 36° 22′ N. 61° 24′ W.; Depth 4760 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	19.10	36.121
50	17.16	36.135
95	15.83	36.025
145	14.88	35.918
195	13.81	35.739
290	12.83	35.596
390*	11.73	35.470
485	9.92	35.272
585*	8.21	35.101
685	6.69	35.058
780*	5.68	35.028
880	5.08	35.005
980*	4.74	35.005
1175	4.33	34.991
1375*	4.09	34.982
1570*	3.91	34.975
1865	3.74	34.976
2155*	3.48	34.972
2450	3.27	34.961
2740*	3.06	34.953
3030	2.78	34.941
3325	2.57	34.928
3620	2.38	34.913
4010	2.31	34.903
4400*	2.28	34.897
4760*	2.28	34.891

Station 226; 20 May; 35° 32′ N. 61° 31′ W.; Depth 4790 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	20.26	36.569
50	19.74	36.556
100	19.08	36.557
145	18.57	36.545
195	18.33	36.530
295	18.08	36.508
390*	17.86	36.483
490	17.33	36.373
590	15.97	36.126
685	13.51	35.730
785*	11.17	35.412
885	8.59	35.122
985*	7.06	35.054
1180	5.39	35.039
1375*	4.74	35.017
1565*	4.32	34.989
1855	4.03	34.970
2150*	3.50	34.964
2445	3.26	34.960
2735*	3.04	34.956
3030	2.82	34.943
3320	2.62	34.928
3615*	2.40	34.915
4005	2.32	34.904
4400*	2.30	34.900
4790*	2.28	Mud

Station 227; 26 May; 33° 00′ N. 63° 00′ W.; Depth 4826 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	21.31	36.557
45	19.32	36.574
85	—	36.567
120	18.40	36.547
170	18.29	36.536
255	18.15	36.526
335*	17.99	36.513
410	17.81	36.480
480	17.39	36.408
555	16.70	36.322
615*	15.62	36.158
680	14.65	35.971
750	—	35.814
890	—	35.379
1030	—	35.091
980*	7.78	35.086
1275	4.64	34.993
1570*	4.15	34.983
1860	3.85	34.975
2155*	3.62	34.970
2450	3.39	34.965
2745*	3.15	34.960
3040	2.90	34.947
3330	2.65	34.927
3625	2.47	34.925
4020	2.32	34.910
4410*	2.28	34.902
4800	2.29	34.893
1	21.21	36.536
50	19.17	36.565
100	18.55	36.554
150	18.31	36.537
200*	18.19	36.522
295	18.08	36.518
385	17.85	36.478
470	17.52	36.412
550*	16.91	36.366
605	15.68	36.192
670*	14.47	35.964
740	13.01	35.766
815	—	35.560
965	7.67	35.109
1120*	5.81	35.033

Station 228; 26 May; 33° 30′ N. 63° 00′ W.; Depth 4744 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	21.35	36.563
50	19.34	36.574
95	18.67	36.555
145	18.41	36.541
190*	18.28	36.537
285	18.15	36.521
380	18.00	36.507
475	17.68	36.446
570*	16.83	36.284
665	15.10	35.987
760*	13.22	35.690
860	10.91	35.380
955*	8.52	—
1145	5.49	—
1340*	4.57	—
1460*	4.23	—
1755	3.98	—
2045*	3.70	34.971
2340	3.49	34.967
2630*	3.25	34.961
2920	2.98	34.947
3215*	2.69	34.935
3505	2.47	34.926
3895*	2.34	34.917

Station 229; 26 May; 33° 59′ N. 63° 01′ W.; Depth 4965 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	20.85	36.515
45	19.26	36.594
95	18.76	36.584
140	18.38	36.594?
190*	18.24	36.523
285	18.00	36.504
385	17.77	36.468
480	17.32	36.375
580*	16.22	36.188
675	14.44	35.890
775*	12.51	35.606
875	9.84	35.264
970*	8.01	35.124
1165	5.29	35.018
1360*	4.59	35.007
1565*	4.23	35.003
1850	3.85	34.972
2140*	3.62	34.977
2430	3.43	34.971
2725*	3.19	34.961
3020	2.89	34.946

Depth, meters	Temperature, °C	Salinity, ‰
Station 230; 26 May; 34° 32′ N. 63° 02′ W.; Depth 5056 m.		
1	21.99	36.535
50	19.56	36.579
100	18.98	36.571
150	18.44	36.540
195*	18.27	36.526
295	18.01	36.500
395	17.80	36.468
490	17.37	36.385
585*	16.23	36.182
680	14.55	35.903
780*	12.59	35.614
870	9.99	35.268
965*	8.10	35.153
1155	5.57	35.020
1340*	4.84	35.025
1550*	4.24	34.994
1845	3.88	34.975
2135	—	34.972
2430	3.42	34.968
2725*	3.21	34.960
3015	2.96	34.950
3405	2.62	34.929
Station 231; 27 May; 35° 01′ N. 63° 08′ W.; Depth 5001 m.		
1	20.89	36.533
45	20.01	36.544
90	18.98	36.568
140	18.53	36.538
185*	18.22	36.517
280	17.97	36.490
375*	17.71	36.462
475	17.13	36.327
570*	16.34	36.197
670	14.78	35.939
770*	12.94	35.664
870	10.47	35.326
970	—	35.123
1165	5.50	35.018
1360*	4.65	35.003
1565*	4.33	34.998
1855	3.91	34.972
2150	—	34.977
2440	3.49	34.982
2730*	3.25	34.965
3025	2.96	34.952
3300*	2.70	34.934
3565	2.50	34.927
3900	2.35	34.910
4215	2.31	34.906
4485*	2.28	34.898

Depth, meters	Temperature, °C	Salinity, ‰
Station 232; 27 May; 35° 32′ N. 63° 00′ W.; Depth 5142 m.		
1	22.16	36.461
50	21.58	36.524
100	19.71	36.552
145	18.92	36.541
195*	18.54	36.529
290	18.09	36.503
390	17.84	36.475
490	17.69	36.463
585*	16.90	36.296
685	15.01	35.937
780*	13.06	35.659
875	10.47	35.313
970*	8.70	35.184
1165	5.57	35.016
1355*	4.73	35.013
1565*	4.30	34.992
1855	3.91	34.970
2150*	3.70	34.975
2440	3.49	34.970
2735*	3.24	34.970
3030	2.96	34.952
3320*	2.70	34.932
3615	2.51	34.927
4005	2.35	34.918
4395	2.32	34.903
4785*	2.32	34.904
Station 233; 27 May; 36° 00′ N. 63° 02′ W.; Depth 5047 m.		
1	21.91	36.426
50	21.52	36.530
100	19.78	36.533
150	19.02	36.558
195*	18.52	36.532
295	18.12	36.506
390	17.78	36.457
490	17.77	36.478
585*	16.90	36.298
685	14.75	35.864
780*	12.90	35.561
875	11.01	35.388
970	—	35.241
1160	5.75	35.048
1345	4.75	35.006
1560*	4.33	34.996
1850	3.97	34.978
2140*	3.71	34.973
2430	3.50	34.969
2720	—	34.965
3010	3.04	34.955
3395*	2.70	34.938
3785	2.46	34.922
4170*	2.34	34.914
4570	2.32	34.901
4970*	2.32	34.898

Depth, meters	Temperature, °C	Salinity, ‰
Station 234; 27 May; 36° 32′ N. 63° 02′ W.; Depth 5042 m.		
1	21.22	36.440
50	19.92	36.546
100	18.96	36.541
145	18.58	36.559
195*	18.27	36.528
295	18.07	36.512
390	17.92	36.500
490	17.49	36.406
590*	16.67	36.255
685	15.32	36.023
785*	13.39	35.715
885	10.87	35.360
980*	8.36	35.119
1175	5.44	35.009
1375*	4.71	35.013
1550*	4.35	34.997
1845	3.96	34.974
2135*	3.69	34.970
2425	3.54?	34.972
2715*	3.32	34.964
3005	3.07	—
3395	2.74	34.938
3785	2.45	34.918
4170	2.35	34.907
4560	2.32	34.902
4945*	2.29	34.897
Station 235; 28 May; 36° 59′ N. 63° 00′ W.; Depth 4974 m.		
1	22.01	36.465
50	21.70	36 496
95	20.73	36.567
145	19.51	36.561
195*	18.56	36.528
290	18.09	36.517
390	17.91	36.498
485	17.83	36.493
585*	17.21	36.358
680	15.92	36.120
780*	13.88	35.793
880	11.62	35.473
975	—	35.168
1170	5.72	35.008
1365	4.84	35.009
1565*	4.31	34.995
1855	3.95	34.974
2150*	3.72	34.969
2440	3.56	—
2735*	3.30	34.965
3030	3.03	34.955
3320*	2.81	34.943
3615	2.54	34.924
4005*	2.37	34.918
4395	2.33	34.903
4785*	2.30	34.901

Depth, meters	Temperature, °C	Salinity, ‰
Station 236; 28 May; 37° 30′ N. 63° 02′ W.; Depth 5020 m.		
1	23.39	36.438
50	20.73	36.502
95	19.40	36.573
140	18.70	36.546
190*	18.40	36.538
285	18.13	36.527
380*	17.90	36.491
475	17.63	36.433
575*	16.94	36.315
670	15.33	35.986?
765*	13.76	35.798
865	11.44	35.458
960	8.74?	35.193
1150	6.04	35.036
1340*	4.84	35.014
1535*	4.37	35.000
1820	4.02	34.989
2110*	3.76	34.972
2395	3.60	34.974
2680*	3.38	34.971
2965	3.15	34.964
3250	2.91	34.963
3535	2.65	34.939
3910	2.43	34.924
4290	2.34	34.914
4665*	2.31	34.905
Station 237; 28 May; 37° 59′ N. 63° 01′ W.; Depth 5047 m.		
1	22.70	36.470
45	22.07	36.498
95	20.81	36.519
145	19.53	36.571
190*	18.58	36.552
285	18.28	36.537
385	18.05	36.515
480	17.94	36.507
580*	17.55	36.430
675	16.23	36.178
775*	14.78	35.940
875	12.65	35.604
970	—	35.290
1170	6.43	35.051
1365*	4.77	34.993
1565*	4.29	34.986
1860	4.09	34.990
2150*	3.78	34.978
2445	3.59	34.976
2740*	3.38	34.967
3030	3.12	34.960
3425*	2.77	34.947
3815	2.45	34.920
4205*	2.35	34.924?
4595	2.34	34.898
4990*	2.34	34.896

Station 238; 28 May; 38° 32′ N. 62° 56′ W.; Depth 4523 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	22.43	36.499
50	20.20	36.540
95	19.10	36.555
145	18.65	36.550
195*	18.34	36.521
290	18.01	36.499
390	17.87	36.485
490	17.59	36.428
590*	16.61	36.236
685	14.93	35.953
785*	13.06	35.663
880	10.61	35.347
975*	8.27	35.113
1170	5.40	35.009
1365	4.57	34.995
1550*	4.25	34.987
1840	3.94	34.977
2130*	3.70	34.969
2420	3.48	34.967
2715*	3.21	34.956
3095	2.93	34.947
3475	2.53	34.923
3830	2.35	34.918
4165*	2.32	34.901

Station 239; 29 May; 39° 04′ N. 62° 57′ W.; Depth 5016 m.

Depth, meters	Temperature, °C	Salinity, ‰
1	23.69	36.296
50	23.63	36.299
95	19.53	36.351
145	18.37	36.365
195*	15.61	35.927
285	12.65	35.501
380	11.49	35.359
470	10.03	35.260
555*	8.06	35.072
645	6.42	35.019
730*	5.47	35.011
820	5.01	35.004
905*	4.69	35.000
1085	4.26	34.992
1265*	4.05	34.989

Station 240; 29 May; 39° 30′ N. 63° 00′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
1	16.45	—
100	11.74	35.314
195	10.79	35.336
295*	8.35	35.042?
395	7.49	35.095
490*	5.76	35.009
590	5.11	35.001
690	4.70	34.999
790	4.49	34.995
890*	4.28	34.989

Station 241; 9 June; 41° 00′ N. 54° 28′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
1	19.97	35.997
100	13.36	35.756
195	12.53	35.565
295	11.97	35.526
390*	9.46	35.204
490	7.61	35.026
585	6.38	35.019
685	5.81	35.080
785*	4.61	35.040
885	4.45	35.081
985*	4.10	34.945

Station 242; 9 June; 40° 30′ N. 54° 29′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
1	19.68	35.959
100	14.57	35.811
195	12.54	35.551
295	11.63	35.431
390*	9.73	35.229
490	7.64	35.051
590	6.24	35.010
690	5.27	34.968
790*	4.89	34.988
885	4.67	35.019
985	—	34.995

Station 243; 9 June; 39° 58′ N. 54° 29′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
1	19.53	35.930
100	15.09	35.935
195	12.75	35.566
295	11.88	35.453
395*	9.46	35.197
495	7.69	35.058
590	6.19	34.997
690	5.55	35.014
790	4.97	34.995
885	4.71	35.003
985	—	35.004

Station 244; 9 June; 39° 30′ N. 54° 31′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
1	19.91	35.722
100	13.95	35.625
200	12.59	35.532
300	10.91	35.353
395*	9.08	35.189
495	7.04	34.987
595	5.89	35.011
695	5.36	34.981
795	4.95	34.999
895	4.70	35.006

Station 245; 9 June; 39° 00′ N. 54° 30′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
1	20.08	35.817
100	13.65	35.627
195	12.74	35.578
295	11.78	35.476
390*	9.76	35.240
490	7.70	35.047
590	6.43	35.002
685	5.49	35.019
785*	5.04	35.007
880	4.71	34.998
980	—	34.990

Station 246; 10 June; 38° 32′ N. 54° 32′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
1	22.72	36.264
95	16.77	36.101
190	14.43	35.858
290	12.59	35.526
385*	11.48	35.433
480	9.01	35.144
575	7.51	35.050
670	6.15	35.006
770*	5.08	34.955
865	4.91	34.996

Station 247; 10 June; 38° 00′ N. 54° 32′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
1	22.51	36.294
95	16.32	35.441?
190	14.12	35.798
285	12.55	35.542
380*	11.85	35.486
475	10.04	35.277
570	8.19	35.104
665	6.39	35.010
760	5.46	35.143
855	4.96	35.086
945*	4.71	35.071

Station 248; 10 June; 37° 31′ N. 54° 30′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
1	22.28	36.380
100	19.61	36.554
195	18.00	36.457
295	17.43	36.415
390*	15.37	36.034
490	13.36	35.659
585	11.63	35.469
685	9.22	35.192
780*	7.26	35.047
880	5.73	34.997
975*	5.28	35.030

Station 249; 10 June; 37° 01′ N. 54° 30′ W.; Depth —

Depth, meters	Temperature, °C	Salinity, ‰
1	22.95	36.326
95	20.24	36.501
195	18.20	36.505
290	17.91	36.494
390*	17.45	36.417
485	16.63	36.251
585	14.51	35.882
680	12.57	35.594
780	9.72	35.216
875	7.51	35.030
970	—	35.009

Depth, meters	Temperature, °C	Salinity, ‰	Depth, meters	Temperature, °C	Salinity, ‰	Depth, meters	Temperature, °C	Salinity, ‰
Station 250; 14 June; 39° 01′ N. 65° 00′ W.; Depth —			Station 251; 14 June; 38° 30′ N. 65° 04′ W.; Depth —			Station 252; 14 June; 38° 00′ N. 65° 00′ W.; Depth —		
1	19.98	35.386	1	18.37	34.861?	1	19.65	35.194
95	11.85	35.143	100	13.67	35.546	95	12.74	35.274
190	10.86	35.277	195	10.09	35.278	190	11.72	35.352
285	9.07	35.160	295	7.61	35.096	285	11.07	35.429
375*	6.91	34.994	395*	5.86	35.004	380*	9.09	35.162
470	6.12	35.045	490	5.31	35.014	475	7.33	35.102
560	5.36	35.016	590	4.88	34.995	575	6.11	35.033
655	4.89	35.034	685	4.56	35.000	670	5.34	35.013
745*	4.64	35.004	785	4.36	34.990	765	5.07	34.989
840	4.36	34.996	885	4.23	34.981	865	4.67	34.994
940*	4.25	34.991	980*	4.13	34.982	965*	4.49	35.001