

David L. Porter

ATLANTIC OCEAN ATLAS
OF
TEMPERATURE AND SALINITY
PROFILES AND DATA
FROM THE
INTERNATIONAL GEOPHYSICAL YEAR
OF 1957 - 1958

BY
F. C. FUGLISTER

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PREFACE

Within the framework of the observational program in physical oceanography which was executed during the International Geophysical Year of 1957-58, the WOODS HOLE OCEANOGRAPHIC INSTITUTION, Woods Hole, Massachusetts, in partial association with the NATIONAL INSTITUTE OF OCEANOGRAPHY, England, performed a methodical oceanographic survey covering most of the Atlantic Ocean. Supplemented with similar observations made in the western North Atlantic just prior to the IGY, the data obtained constitute a comprehensive new body of information pertaining to the circulation of the entire Atlantic. To summarize many of the observations in a particularly useful and efficient manner, as well as to perform a fundamental analysis upon them, the following atlas of Atlantic thermohaline structure has been prepared. Although distributions of other properties measured on these cruises might also have been depicted in this volume, it was felt that a more coherent and serviceable atlas would be produced if attention were concentrated exclusively upon temperature and salinity; the measurements of these two variables, moreover, are of consistent quality, since they were all made by a single small research group employing the same techniques and equipment throughout the survey period.

The most graphic and least ambiguous method of representing thermohaline structure described by survey data is to draw a series of profiles of temperature and salinity as functions of depth and ship track position. Spatial distributions in lines across entire oceans may then be seen at a glance. Although this method still involves much interpolation, and hence conceals many probable irregularities, nevertheless, the large number of observations and apparent gross regular behavior of the variables associated with these profiles preclude significantly erroneous interpretations of the data.

The surveys relevant to this atlas occurred between September, 1954, and July, 1959. The included profiles correspond to those ship track segments which were traverses of complete ocean basins. Of the zonal sections, twelve cross the entire Atlantic, while five are limited to its northeastern portion; of the meridional ones, two cut the western North Atlantic, and four others, the Caribbean.

The classical oceanographic station, involving serial observations from surface to bottom with reversing thermometers and Nansen bottles, was the principal source of thermohaline information. These station data were used to produce the profiles which extend over the entire depth of the ocean. The appropriate members of this set may profitably be compared with Wüst's profiles of temperature and salinity associated with sections run principally in the South Atlantic between 1925 and 1927 by the German Atlantic Expedition of the Research Vessel METEOR (Wüst and Defant, 1936). Such comparison provides dramatic evidence for the steady-state character of large-scale Atlantic Ocean dynamics.

Thermal structure was also probed during these cruises with the bathythermograph. Since this instrument is lowered from a moving ship, and produces a continuous record of temperature with depth through more than two hundred meters of water, it makes practical very much denser measurements of temperature in that upper layer than reversing thermometers could feasibly provide. Accordingly, in order to show in finer detail the surface layer structure associated with some of the above sections, this atlas presents for the first time transatlantic profiles drawn from bathythermograph data. Although many of the small-scale features of these particular profiles must be transient, it seemed worthwhile, nevertheless, to illustrate in this way the very complex character of the actual temperature distribution.

The cost of preparation and publication of this atlas was borne by a grant from the National Science Foundation, made in support of the International Geophysical Year Interdisciplinary Research Program. All data presented were collected under the personal supervision of L. V. Worthington, W. G. Metcalf, A. R. Miller, and F. C. Fuglister. G. G. Pasley, Jr. directed drafting and art work. The plotting and checking of the data were done by E. Soderland.

— F. C. FUGLISTER

Woods Hole, Mass.
March, 1960

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Overall picture of the WOODS HOLE OCEANOGRAPHIC INSTITUTION and the NATIONAL INSTITUTE OF OCEANOGRAPHY Atlantic Ocean Survey. A detailed chart of the oceanographic station positions is shown on page 93 and charts showing the lines of bathythermograph observations on page 153.

OBSERVATIONAL PROGRAM

In 1954, L. V. Worthington of the WOODS HOLE OCEANOGRAPHIC INSTITUTION began a survey of the western North Atlantic designed to repeat certain earlier stations and to determine in some detail deep and bottom water structure. His basic station pattern was a set of rays, diverging from Bermuda, which extended over the western basin of the North Atlantic from the coast of North America to the Mid-Atlantic Ridge. The work completed before the International Geophysical Year defined in the deep water a very precise correspondence be-

tween temperature and salinity, and, in the shallow levels, the region occupied by the 18°C. water (Worthington, 1959 a). This lenticular body, centered at a depth of 300 meters, and characterized by a temperature of $17.9 \pm 0.3^\circ\text{C}$. and a salinity of $36.5 \pm 0.1\text{‰}$, is easily recognized on all profiles passing through the western basin of the North Atlantic, seaward of the Gulf Stream and north of the Antilles.

Only a few of the many stations made during this pre-IGY study have been used in the compilation of this atlas.

On these observations are based the meridional profiles along 50°W.; the meridional profiles along 66°W. exclusive of the portions between Bermuda and the Antilles; and the parts of the zonal profiles along 32°N., east of longitude 50°W. All the data taken by Worthington are to appear in the "Bulletin Hydrographique".

In the late winter and spring of 1957, F. C. Fuglister began the International Geophysical Year research activities of the WOODS HOLE OCEANOGRAPHIC INSTITUTION by performing a survey in the tropical Atlantic which became prototypic for Woods Hole's subsequent contributions to the IGY program in oceanography (Fuglister, 1957). On the Research Vessel CRAWFORD, Captain David F. Casiles, Fuglister ran three transatlantic sections along latitudes 8°N., 8°S., and 16°S. Continuous recordings of bottom topography were made, temperatures measured, and collected water samples analyzed for salinity, and concentrations of dissolved oxygen and phosphorus (inorganic as well as total amount). To perform a grand examination of the time-scale of gross oceanic processes, the two South Atlantic sections and the 24°S. and 32°S. sections made later during the IGY were run along the latitudes of METEOR Profiles IV, VI, VII, VIII. The distributions of temperature and salinity are virtually identical to those found over thirty years earlier (Wüst and Defant, *op.cit.*). In general, the very small differences found indicate that the water at mid-depths has become slightly cooler and more saline, while the Antarctic water on the bottom of the western basin has become slightly warmer and more saline than at the time of the METEOR Expedition.

Although the Mid-Atlantic Ridge is less conspicuous along 8°N. than on any other transatlantic section, a change in bottom water types across the Ridge is still apparent. This striking feature is associated with the presence much farther south of the Walvis Ridge, which prevents entry of deep Antarctic water into the eastern basin of the Atlantic. It is to be noted that here the Antarctic Bottom Water of the western basin is pressed against the Mid-Atlantic Ridge, in contrast to its concentration along the basin's western boundary in the South Atlantic.

Throughout this and the greater number of succeeding IGY cruises, bathythermograph observations were made hourly. All the bathythermograph data obtained are reproduced in this atlas, but profiles have been drawn only for those transatlantic sections along which stations were also made.

While this first CRAWFORD cruise was underway, the Royal Research Ship DISCOVERY II, Captain S. S. F. Dalgliesh, of the NATIONAL INSTITUTE OF OCEANOGRAPHY, crossed the Atlantic to join the ATLANTIS in the measurement of deep currents off the coast of South Carolina

(Swallow and Worthington, 1957). Its return voyage to England started a new phase of the IGY survey, which exemplified notably the cooperative nature of IGY activities: American and British oceanographers, working on this vessel under the leadership of H. F. P. Herdman of the N.I.O., undertook a series of sections in the North Atlantic, beginning with one which ran from the southern tip of the Grand Banks of Newfoundland to the offing of the English Channel. Mr. Worthington participated on the cruise, because this 48°N. section contributed data of particular relevance to his continuing study of the western North Atlantic (Worthington, 1958). The associated profiles suggest the complexity of the flow pattern in the western portion of the section; from west to east one crosses in the surface layer the fresh cold water of the Labrador Current, the alternately warm and cold water of various currents, and finally the very marked temperature gradient associated with the Gulf Stream. The relatively high salinity values at 1000 meters in the eastern portion of the section are generally attributed to outflow from the Mediterranean Sea. These profiles suggest that some of this high salinity water may have been mixed down from the surface along the eastern boundary.

In October, 1957, the CRAWFORD and the DISCOVERY II started their second IGY cruises. The features of the 40°N. section, made by W. G. Metcalf on the CRAWFORD, resemble somewhat those of the 48°N. section, except that the deep water contrast between western and eastern basins is more marked (Metcalf, 1958). Again at 1000 meters near the eastern end of the section there is unmistakable evidence of Mediterranean outflow. Continuing its cruise, the CRAWFORD made a short run from the southern tip of Portugal west to longitude 18°W., and, turning south, another to latitude 24°N. These sections showed in further detail the spreading of Mediterranean water at a depth of 1200 meters but since they do not cross entire ocean basins, their profiles are not included in the atlas. The CRAWFORD finished this cruise in November by making the section from French West Africa to Guadeloupe along 16°N. The salinity profile displays the relative minimum at a depth of 800 meters which is a primary characteristic of the South Atlantic profiles previously discussed. Furthermore, the coldest bottom water is concentrated on the western side of the Mid-Atlantic Ridge, just as it is eight degrees southward.

When the DISCOVERY II undertook its cruise concurrent with the CRAWFORD'S, Mr. Worthington was again aboard, to assist with the section along 24°N. (Worthington, 1958). In these profiles the mid-depth salinity minimum prominent to the south has very nearly disappeared, and the 18°C. water is clearly apparent at a depth of 300 meters in the western basin. The undulatory

character of the isotherms and isohalines in the deep water near the western boundary may reflect deep currents. It is unfortunate that data of only one station point out the deepest of these troughs.

After Mr. Fuglister succeeded Mr. Worthington, the DISCOVERY II moved on in late November and early December to finish its trip by completing the 32°N. section, which had been begun in effect by Mr. Worthington on the Research Vessel ATLANTIS in 1954-55. Despite the three year time lapse, the profiles almost appear to represent a section made continuously. A curious feature of the section is the mass of relatively cool and fresh water found about 2000 meters below the surface at DISCOVERY II station 3628 (longitude 45°W.). At station 3631, on the Mid-Atlantic Ridge, the bottom water was found to be warmer and slightly more saline than that at the same depth on either side. Although no station was made on this section in the deepest rift in the Ridge, on the basis of data from station 3631, and from station 56 of the Research Vessel CHAIN, which was made in the deepest rift crossed at 36°N., it is inferred that these warmer, more saline conditions pertain also to the deepest rift at 32°N. Another point of interest here is that the concentration on the western side of the Ridge of water colder than 2.2°C., which was observed farther south and shown diminishing at 24°N., has developed only feebly at 32°N. No water as cold is found at all on the 36°N. section, nor does the meridional temperature profile along longitude 50°W. show water colder than 2.2°C. extending farther northward than latitude 35°N.

In accord with the IGY idea of repeating certain earlier surveys in order to study time-scales, as done in the South Atlantic with respect to the METEOR observations, Mr. Metcalf, in February, 1958, led the CRAWFORD on a new survey of the Caribbean Sea (Metcalf, 1959) to duplicate sections made by A. E. Parr on the Research Vessel ATLANTIS in 1933-34 (Parr, 1937). On the way he made a series of stations between Bermuda and the Mona Passage, i.e., the central portion of the 66°W. meridional section. The profiles show a wave structure in the deep water just north of the Antilles, which, combined with the similar structure seen in the 24°N. zonal profiles, suggests finger-like shapes in isothermal surfaces of the region. The temperature profile also displays the remarkable extent and continuity of the 18°C. water in the shallow layers of the western North Atlantic. In examining these 66°W. profiles, one should bear in mind that the portion of the section north of Bermuda was run in September, 1954, and that south of the Antilles, in December, 1954, so that a seasonal thermocline is associated with the northern part, but not with the rest; the deeper water, however, looks much the same on both sides of

Bermuda. The outstanding features of these profiles, of course, are the differences between the waters inside and outside the Caribbean: below sill depth in the Caribbean all water is warmer than 4°C. and has a salinity greater than 34.96‰.

After reaching the Caribbean, the CRAWFORD made four meridional sections during February and March. The temperature profiles show very little variation between sections, including the one of the ATLANTIS already mentioned as the Caribbean extension of the 66°W. section; on the other hand, the salinity profiles show a gradual increase in deep water salinity from east to west.

At this time the IGY plans called for the ATLANTIS to go to the South Atlantic for a transatlantic section at 32°S., but engine trouble and other commitments made it necessary to postpone this cruise for a year.

Consequently, the next cruise was not made until August of 1958, when, again with Mr. Worthington's participation, the DISCOVERY II, Captain James Gray, ran four more sections in the North Atlantic (Worthington, 1959 b). These were confined to the eastern basin, because at that time the German ships GAUSS and ANTON DOHRN were performing in the same latitudes a thorough survey of the western basin. A concentration of cold, saline bottom water on the eastern side of the Mid-Atlantic Ridge is seen clearly on the 58°N. profiles, and also indicated somewhat on those for 53°N. The sections along 43°N. and 46°N. resemble the 40°N. and 48°N. sections. The slightly warmer bottom water at stations 3891 and 3878, which are about 150 miles apart on longitude 20°W., indicates the presence in this area of a deep isolated valley lying on a north-south line.

Mr. Metcalf took the CRAWFORD on its final IGY cruise in September, 1958 (Metcalf, 1960). Its first section, run along latitude 24°S. in October, corresponds to METEOR Profile Number VII, which was made in July and August, 1926. The slight differences in distributions are principally of salinity: the CRAWFORD found the minimum value at depth 700-800 meters to be a little lower than did the METEOR, and the 34.9‰ isohaline in the salinity maximum layer which is centered about depth 2400 meters extends farther eastward in the METEOR'S profile than in the CRAWFORD'S. Both pairs of profiles show Antarctic Bottom Water near the African as well as the American continental slope, because this section is so far south that it crosses the Walvis Ridge.

The other section on this cruise lay along the equator. CRAWFORD station 482, made on that occasion in the Romanche Trench, was the deepest station of the entire IGY survey, since its bottom bottle was 7020 meters below the sea surface.

In January, 1959, Mr. A. R. Miller took the ATLANTIS,

Captain Scott Bray, on the longest cruise of the series (Miller, *in prep.*), principally to make the postponed section along latitude 32°S. (Because Bray subsequently fell ill, Arthur D. Colburn, Jr. assumed the captaincy of the ATLANTIS in Rio de Janeiro; Eugene J. Mysona acted as captain for its return from Capetown to Woods Hole.) While en route, observations were taken for the profiles along 28°N. between the Mid-Atlantic Ridge and the Canary Islands. Comparison of this section with the ones for the eastern basin at 24°N. and 32°N. suggests that these deep water salinities may be too low. On its way south, the ATLANTIS also ran two short sections across the Brazil Current at 12°S. and 20°S.

The section along 32°S. is approximately of the mean latitude of METEOR Profile Number IV, made in November and December, 1925. The ATLANTIS experienced some difficulty on this crossing, for it was prevented by stormy weather from occupying as many stations as planned at the western end of the section, and, shortly after, on station 5810, the deep cast of bottles and thermometers was lost. When the vessel reached longitude 1°E., it discontinued stations, and ran for Capetown to pick up new thermometers, with which it completed the section on its return trip. The isohalines near bottom on the eastern end of the salinity profile have not been drawn strictly according to the curves of salinity vs. depth for the stations in question, because the author feels that the values associated with the bottom bottles at stations 5839, 5840 and 5841 are suspiciously high. If those values

— printed on the profile — were correct, they would represent a unique situation in that the salinity of this bottom, Antarctic water would increase with depth. However, because double samples were taken and analyzed carefully, these anomalous observations cannot be disregarded.

While the ATLANTIS was in the South Atlantic, Mr. Worthington and Mr. Metcalf, aboard the WOODS HOLE OCEANOGRAPHIC INSTITUTION'S recent acquisition, the Research Vessel CHAIN, Captain Wallace S. Olivey, made the section along latitude 36°N. which was compared earlier with the 32°N. section. On many of their stations, especially those in the eastern basin, they made exceptionally close measurements near the bottom. Two further points of interest in the profiles are the water of the upper thousand meters between 50°W. and 60°W., which is cooler and fresher than one might have expected from neighboring sections, and the eastern high salinity tongue, which again reflects outflow from the Mediterranean.

These cruises of the ATLANTIS and CHAIN concluded the survey of the Atlantic Ocean undertaken during the IGY period by the WOODS HOLE OCEANOGRAPHIC INSTITUTION and the NATIONAL INSTITUTE OF OCEANOGRAPHY. The foregoing brief chronology of this grand enterprise has been supplied to set a context for the observations upon which are based the principal contents of the atlas, the profiles of temperature and salinity; it is hoped, moreover, that the very limited running commentary on some of their features may have served as a guide to their detailed study and interpretation.

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TREATMENT OF DATA

The oceanographic station data tabulated in this atlas consist of temperatures, bottle depths, salinities, station position, time of observation, depth of the ocean at the station, and slide number of the station bathythermogram. The temperatures were measured by means of deep-sea reversing thermometers and are regarded as accurate to $\pm 0.01^\circ\text{C}$. The depths of bottles are based on readings of paired protected and unprotected reversing thermometers; (Sverdrup, Johnson, and Fleming, 1942) those members of a depth column marked with asterisks were determined directly in this fashion, the others interpolated. They are considered accurate within ± 5 meters. With the exception of data obtained by Worthington, all calculated depths have been rounded off to the nearest five meters; no difference in method of calculation is implied, only of personal taste.

The salinities for ATLANTIS stations 5176-5202, given to one hundredth of a part per thousand, were determined by titration, and are accurate to $\pm 0.02\text{‰}$ (Sverdrup, Johnson, and Fleming, *ibid.*). Most salinities were measured on the Schleicher and Bradshaw salinometer (Schleicher and Bradshaw, 1956). The precision of a single measurement with this instrument is $\pm 0.005\text{‰}$ in the sense that the range about their average value of a large number of determinations on one sample would be $\pm 0.005\text{‰}$. All tests to date on this salinometer have shown that between 31.0‰ and 37.5‰ its accuracy is $\pm 0.01\text{‰}$, or better, and between 34.0‰ and 36.0‰ , approximately equal to the precision, or $\pm 0.005\text{‰}$. While the accuracy outside the interval 31.0‰ - 37.5‰ has not been firmly established, determinations are not believed to be in error by more than 0.03‰ at 20‰ and 40‰ . One should bear in mind that the accuracy of the conductivity method of measuring salinity is dependent upon the uniformity of composition of sea water, so that in regions where influx of river waters leads to low salinities, e.g. at CRAWFORD stations 180-183, measurements made with the salinometer may be subject to unknown errors. Since the sensitivity of the instrument is about 0.001‰ , salinometer determinations are reported in this atlas to the third decimal place in order to take advantage of the fact that a large fraction of the measurements will lie well within the precision limits stated above. The improvement in salinity determination made possible by development of the conductivity bridge salinometer is most vividly seen by comparing the northern ends of the salinity profiles along 66°W . (titration) and along 50°W . (salinometer).

The station positions were obtained by celestial navigation and dead reckoning except in those cases for the western North Atlantic where Loran was available. The time given for each station is the date and Greenwich Mean Time at which the messenger was sent down on the first, or shallow, cast.

The depth given for most stations is the sonic depth read during the second, or deep, cast, adjusted for variations in sound speed in the ocean according to Matthew's tables of corrections (Matthews, 1944). The correction for topographic slope was considered negligible, so not made. Frequent checks insured a power supply to the recorder of steady frequency 60 cycles per second. Most given sonic depths are probably not in error by more than 1%. For those stations at which mud indicated that the deepest bottle had rested on the bottom, the thermometric depth of the bottom bottle is given as ocean depth.

All tabulated salinities and temperatures are measured values; none represent interpolations. Whenever an observation appeared to be

seriously in error, because of pretripping or posttripping of bottles, malfunctioning of thermometers, evaporation of water samples, obvious blundering in making readings, or other easily discernible faults, the datum was omitted. If an observation looked suspect, but no reasonable source of error could be found, a question mark was placed beside the value.

The station numbers for the deep profiles of temperature and salinity based on these station data appear across the top of each profile and the latitude or longitude at 5° intervals along the bottom of the profile. The position of each observation is indicated by a black dot, which also serves as a decimal point for the numbers in small type. The depths of isopleths were plotted from curves of temperature and salinity as functions of depth, which were drawn for each station. Where space permitted, the maximum and minimum values for each station are shown, and also the maximum and minimum values along the surface. In all but the very shallow stations the deepest observed value is given. The heavy solid lines in the temperature profiles correspond to integral multiples of five Centigrade degrees, the light solid lines to whole degrees, and the dashed lines to multiples of two-tenths of a degree. The heavy solid isohalines represent multiples of one-half of a part per thousand; the light isohalines, tenths of a part; and the dashed isohalines, multiples of two-hundredths of a part. In the profiles of both parameters, four shades of two colors distinguish ranges of values.

The continuous bottom topography shown on these profiles is based on depth recordings made every fifteen minutes with the echo sounder. These depths, too, are probably accurate to 1%, although in regions of especially rough topography, the error may be greater. However, it is most likely that these profiles are displayed on a scale sufficiently small to render any depth errors of little consequence to the topography depicted; detailed bathymetry, after all, is not the subject of the atlas. For the few periods during which the echo sounder functioned improperly, e.g. between CRAWFORD stations 444 and 445 on latitude 24°S ., bottom depth is estimated by simple linear interpolation. Such instances are fairly obvious on the profiles. Inserts on the equatorial and 66°W . profiles show two regions of depth in excess of six thousand meters: the Romanche and Puerto Rico Trenches, respectively.

The accuracy of the bathythermograph temperatures and depths presented in the atlas has not been exactly determined. Generally, when a bathythermogram has been adjusted to the bucket surface temperature, the indicated trace temperatures are considered reliable to $\pm 0.2^\circ\text{C}$.

The technique, by which bathythermograph slides were reproduced for publication in the atlas, was devised by J. W. Stimpson of the Institution's reproduction department. (Fuglister, F.C. 1957.)

The vertical scale of the associated surface layer temperature profiles is expanded with respect to the horizontal scale by a factor of five thousand. In this case the bathythermograph traces themselves provided curves from which to read depths of isotherms. The solid line isopleths represent multiples of five Centigrade degrees; the dashed lines, multiples of one degree. The slide numbers are ranged along the tops of the profiles; five degree intervals of longitude are indicated along the bottom. On account of the complicated structure of the isopleths, no attempt was made to differentiate temperature ranges with color gradation.

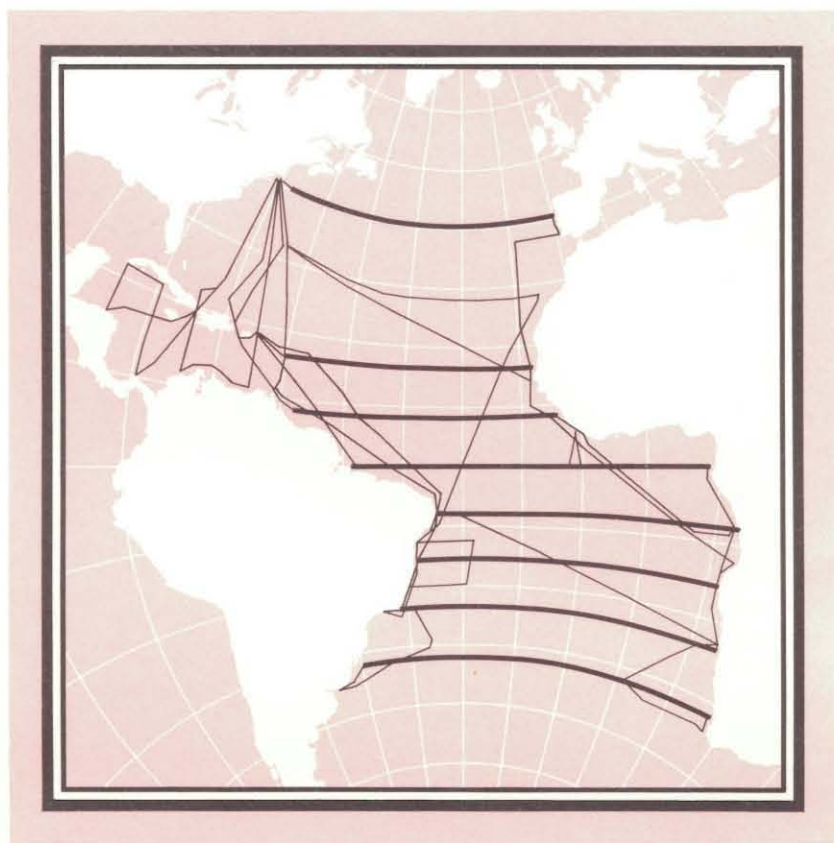
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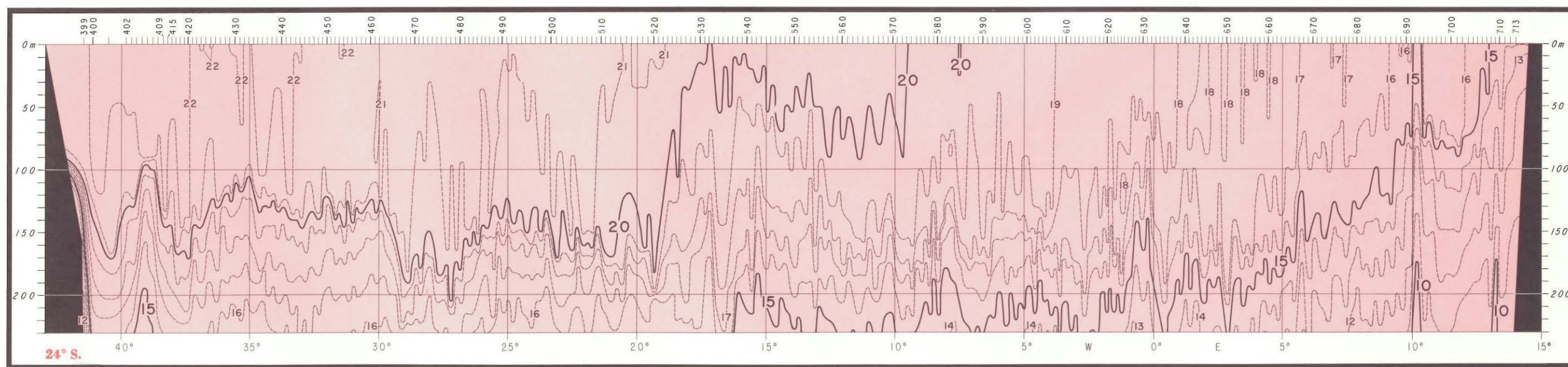
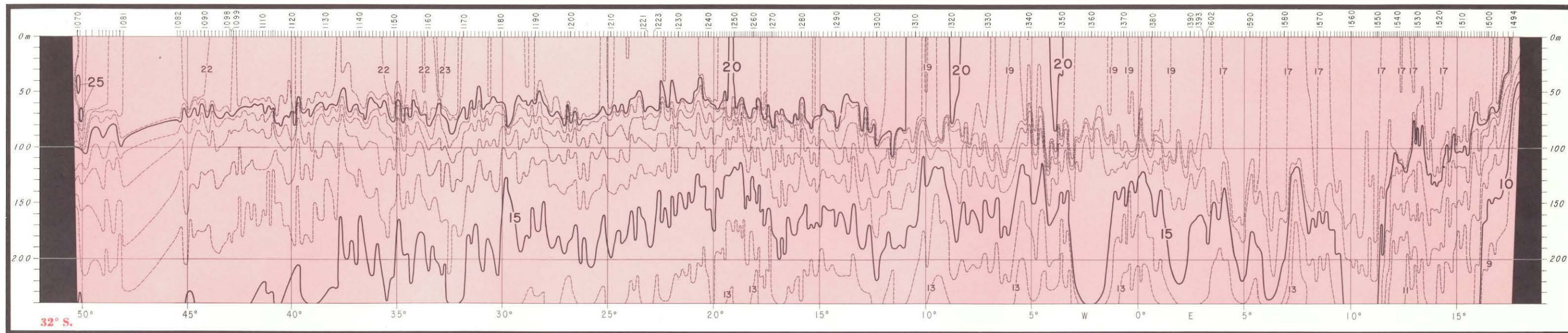
>20	4 - 5
15 - 20	3 - 4
10 - 15	2 - 3
5 - 10	<2

SALINITY ‰

>36.5	34.8 - 35.0
36.0 - 36.5	34.6 - 34.8
35.5 - 36.0	34.4 - 34.6
35.0 - 35.5	<34.4

TRANSATLANTIC PROFILES
OF
SURFACE LAYER
TEMPERATURES





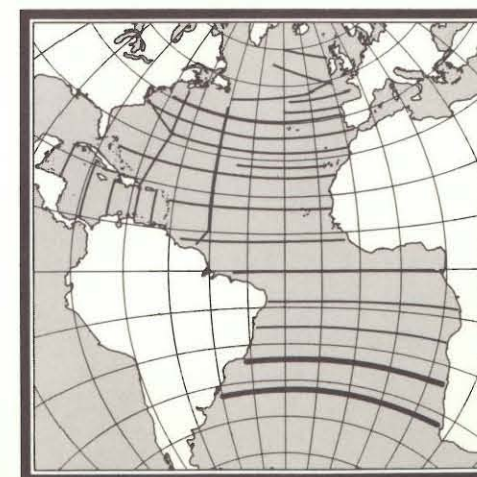
32° S.
24° S.

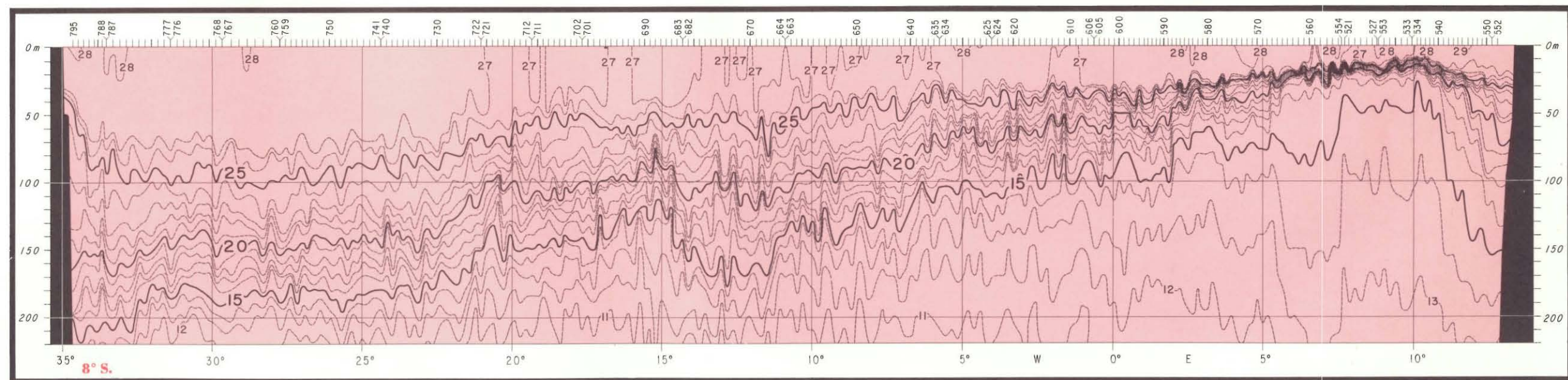
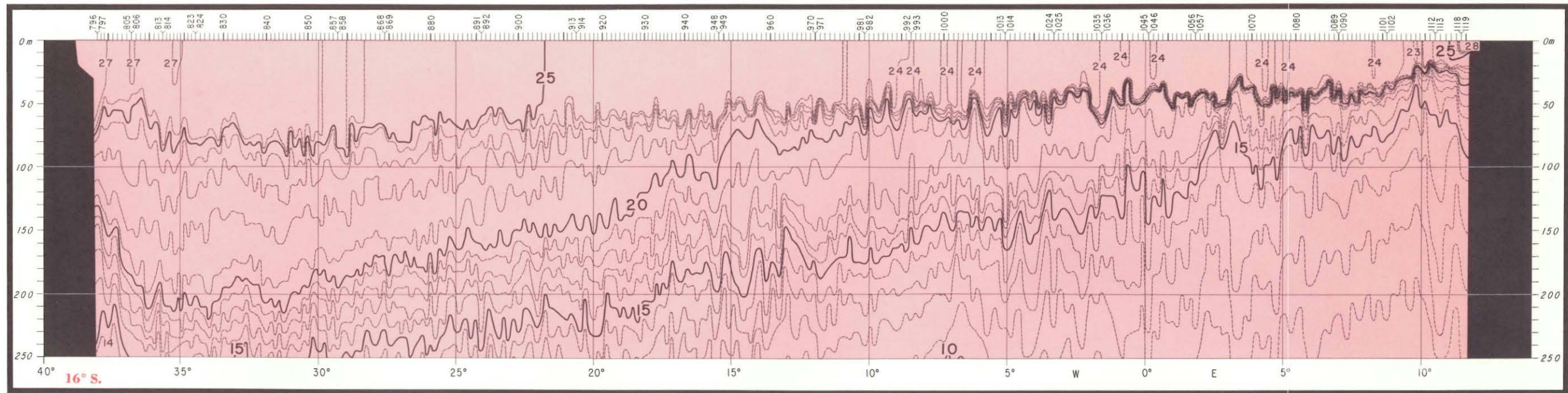
TEMPERATURE °C

32° S. April 26 - May 16, 1959, Bathythermograms 1070-1393.
May 27 - June 3, 1959, Bathythermograms 1494-1602.
ATLANTIS Cruise 247.
Brazil to Union of South Africa.
Mean latitude, 32° 30' S.

24° S. October 1-26, 1958, Bathythermograms 399-713.
CRAWFORD Cruise 22.
Brazil to South-West Africa
Mean latitude, 24° 15' S.

0 500 Kilometers





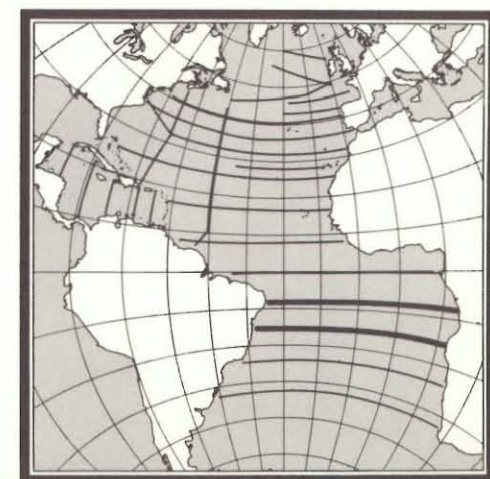
16° S.
8° S.

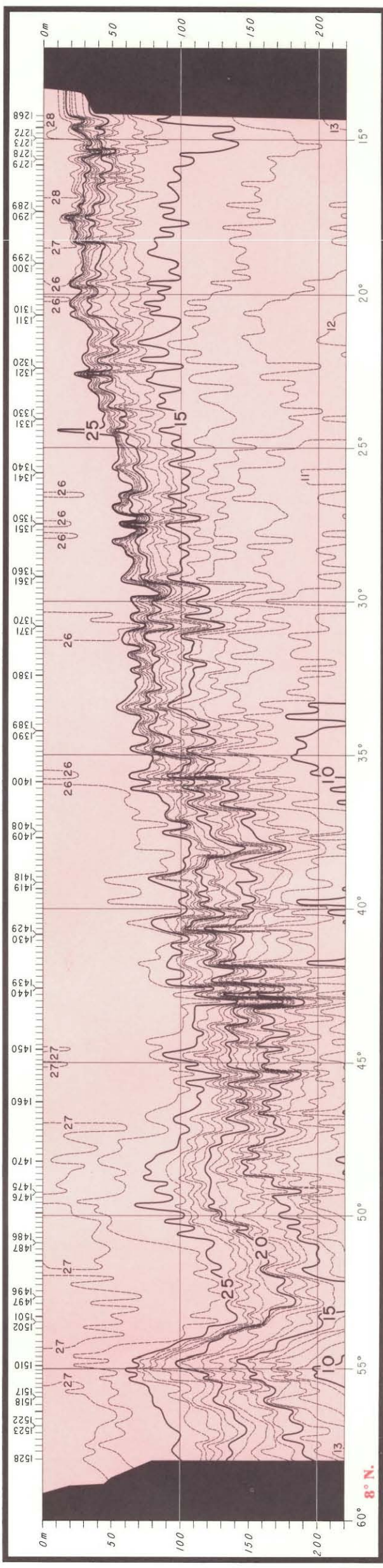
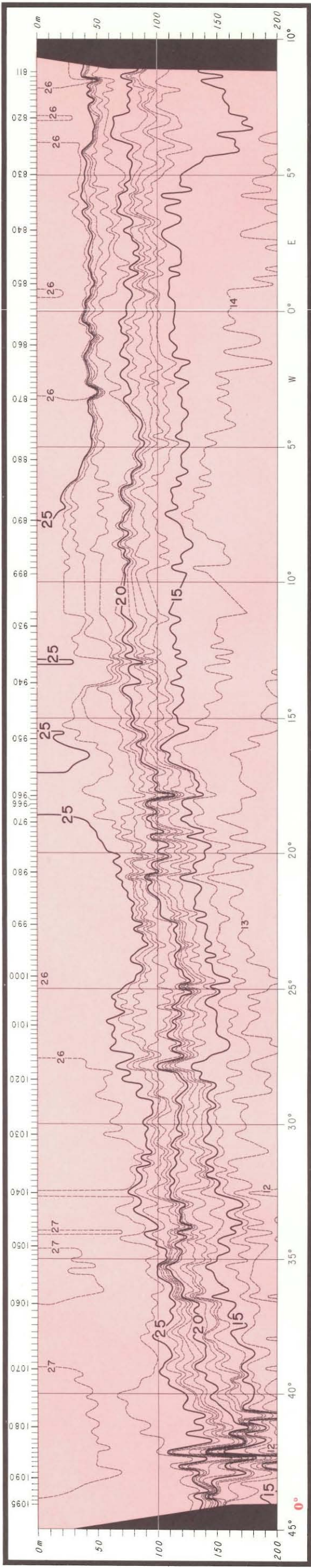
TEMPERATURE °C

16° S. April 1-22, 1957, Bathythermograms 796-1120.
CRAWFORD Cruise 10.
Brazil to Angola.
Mean latitude, 15° 45' S.

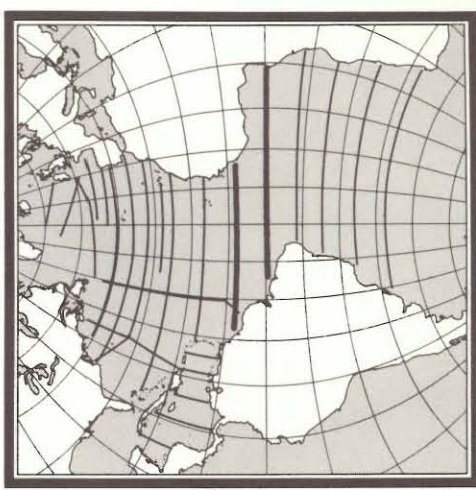
8° S. March 2-4, 1957, Bathythermograms 521-552.
March 7-22, 1957, Bathythermograms 553-795.
CRAWFORD Cruise 10.
Brazil to Angola.
Mean latitude, 8° 15' S.

0 500 Kilometers





0°
8° N.

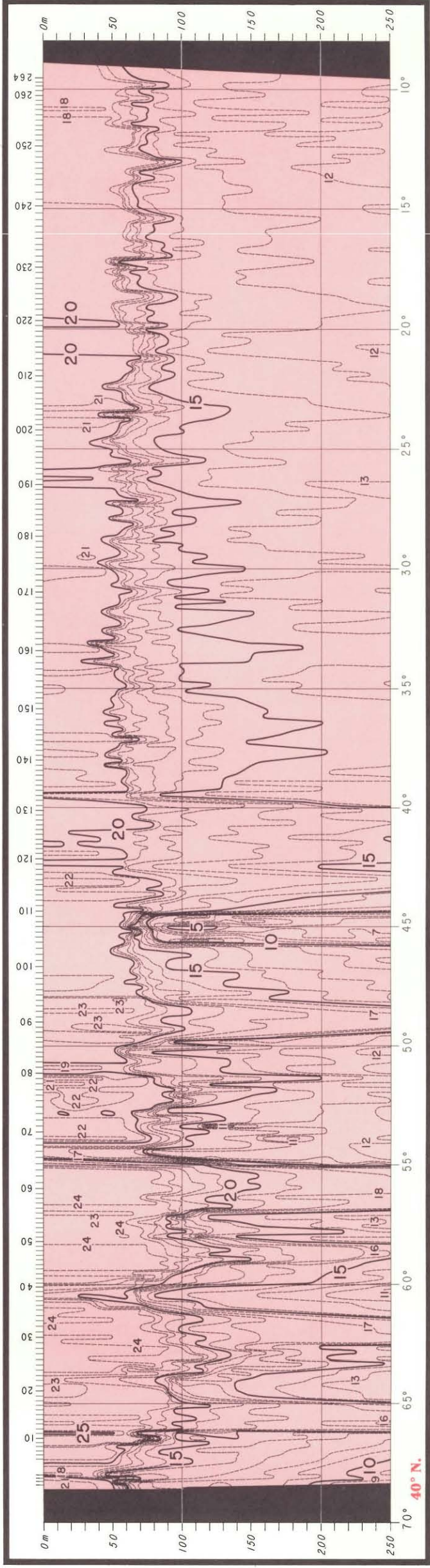
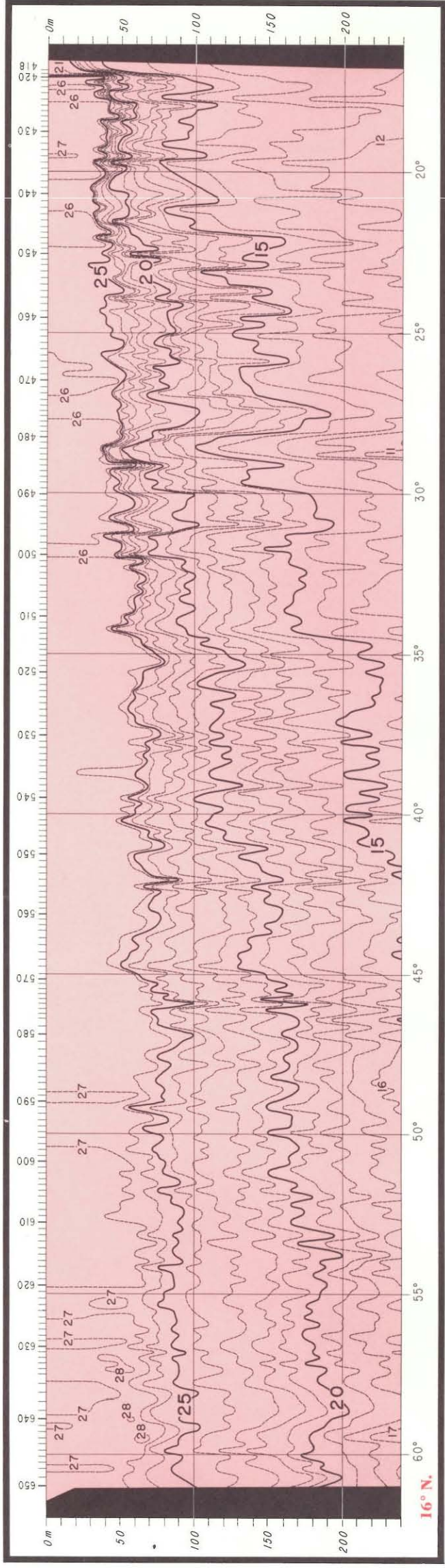


8° N. May 6-21, 1957, Bathothermograms 1268-1528.
CRAWFORD Cruise 10.
Brazil to Sierra Leona.
Mean latitude, 8° 15' N.

0°
November 7-12, 1958, Bathothermograms 811-899.
November 19-30, 1958, Bathothermograms 928-1095.
CRAWFORD Cruise 22.
Brazil to French Equatorial Africa.
Mean latitude, 0° 15' S.

TEMPERATURE °C

0 500 Kilometers

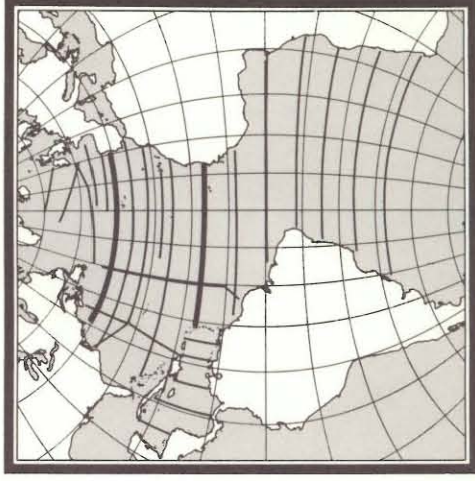


16° N.
40° N.

TEMPERATURE °C

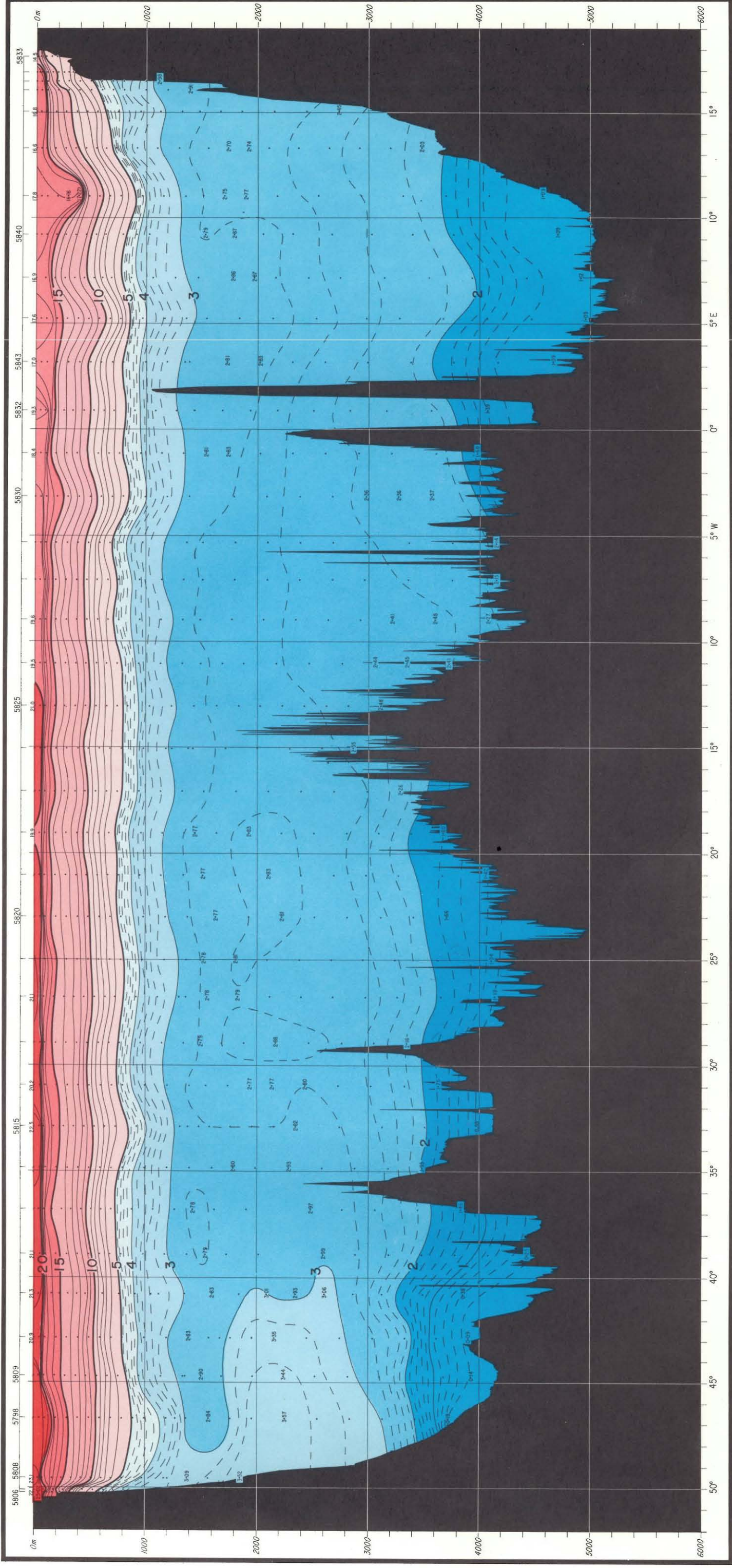
40° N. October 2-22, 1957, Bathothermograms 1-264.
CRAWFORD Cruise 16.
Georges Bank to Portugal.
Mean latitude, 40° 15' N.

16° N. November 13-29, 1957, Bathothermograms 418-650.
CRAWFORD Cruise 16.
Guadeloupe to French West Africa.
Mean latitude, 16° 15' N.



TEMPERATURE PROFILES



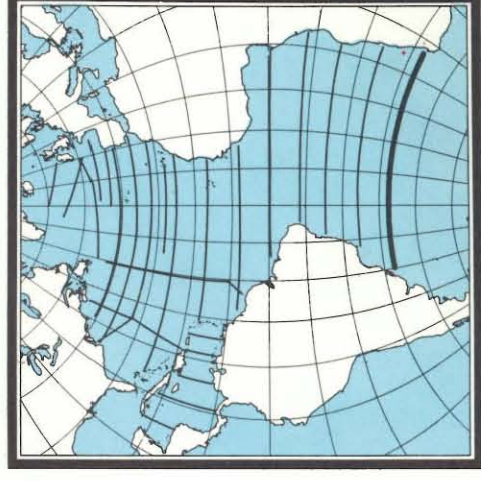


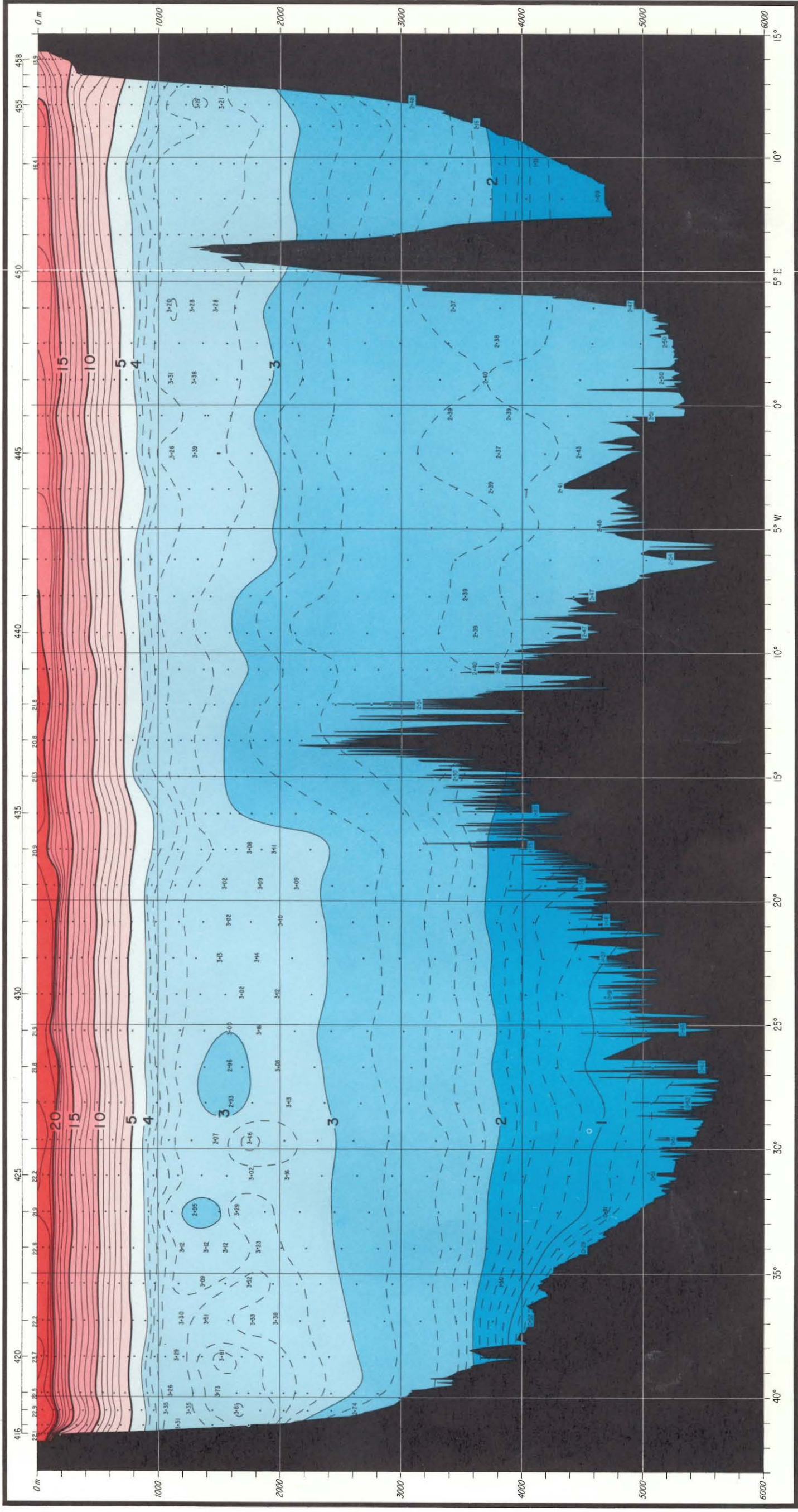
32°S.

TEMPERATURE °C

0 500 Kilometers

April 11, 1959, ATLANTIS station 5798.
 April 26 - June 3, 1959, ATLANTIS stations 5806-5843.
 Brazil to Union of South Africa.
 Mean latitude, 32° 30' S.



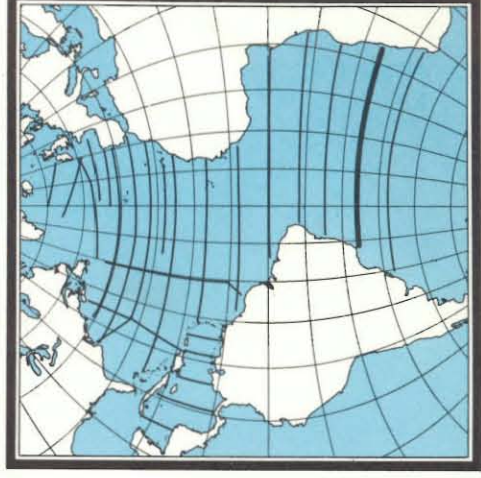


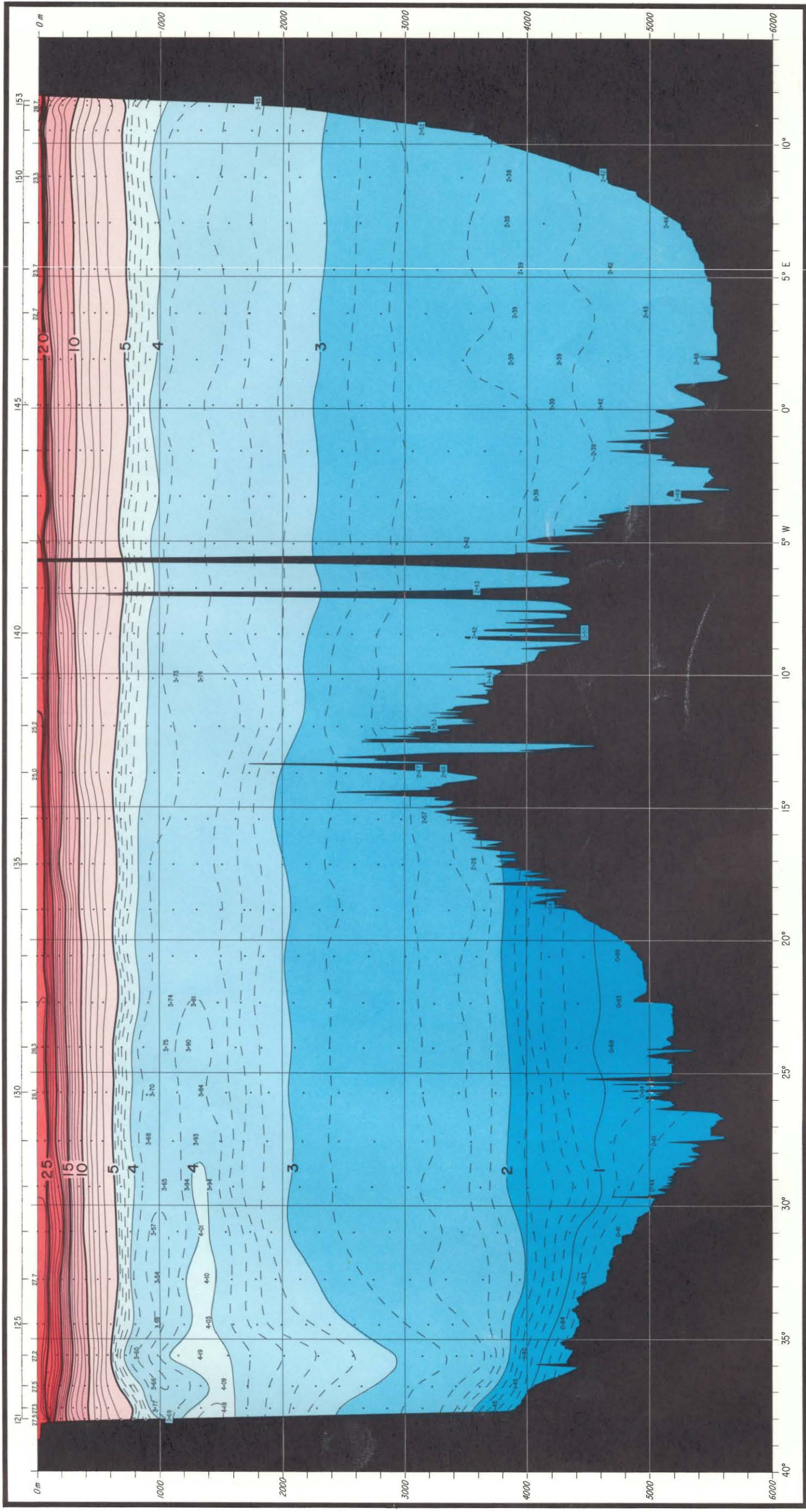
24° S.

TEMPERATURE °C

0 500 Kilometers

October 2-26, 1958, CRAWFORD stations 416-458.
Brazil to South-West Africa.
Mean latitude, 24° 15' S.



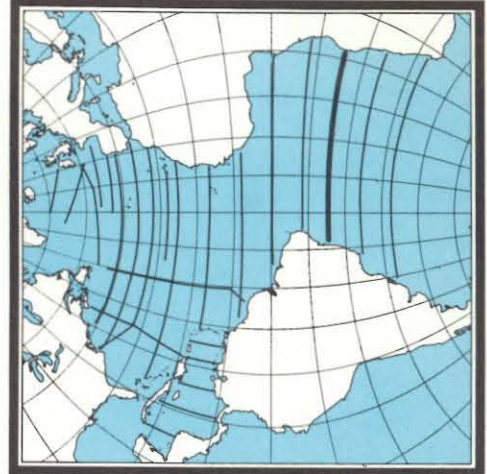


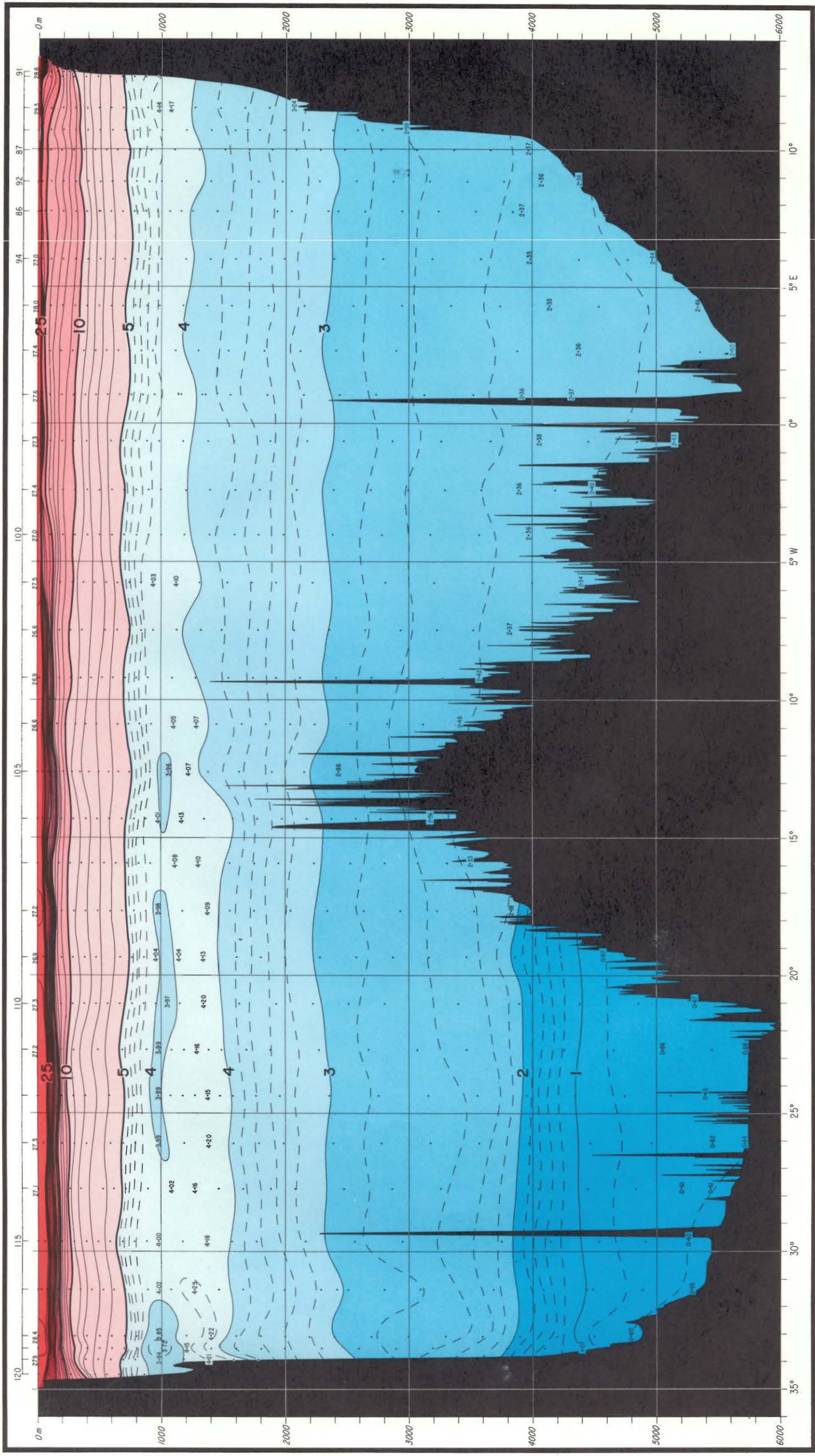
16°S.

TEMPERATURE °C

0 500 Kilometers

April 1-22, 1957, CRAWFORD stations 121-153.
Brazil to Angola.
Mean latitude, 15° 45' S.



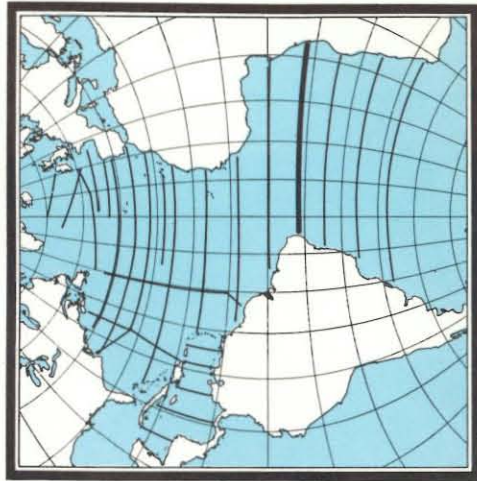


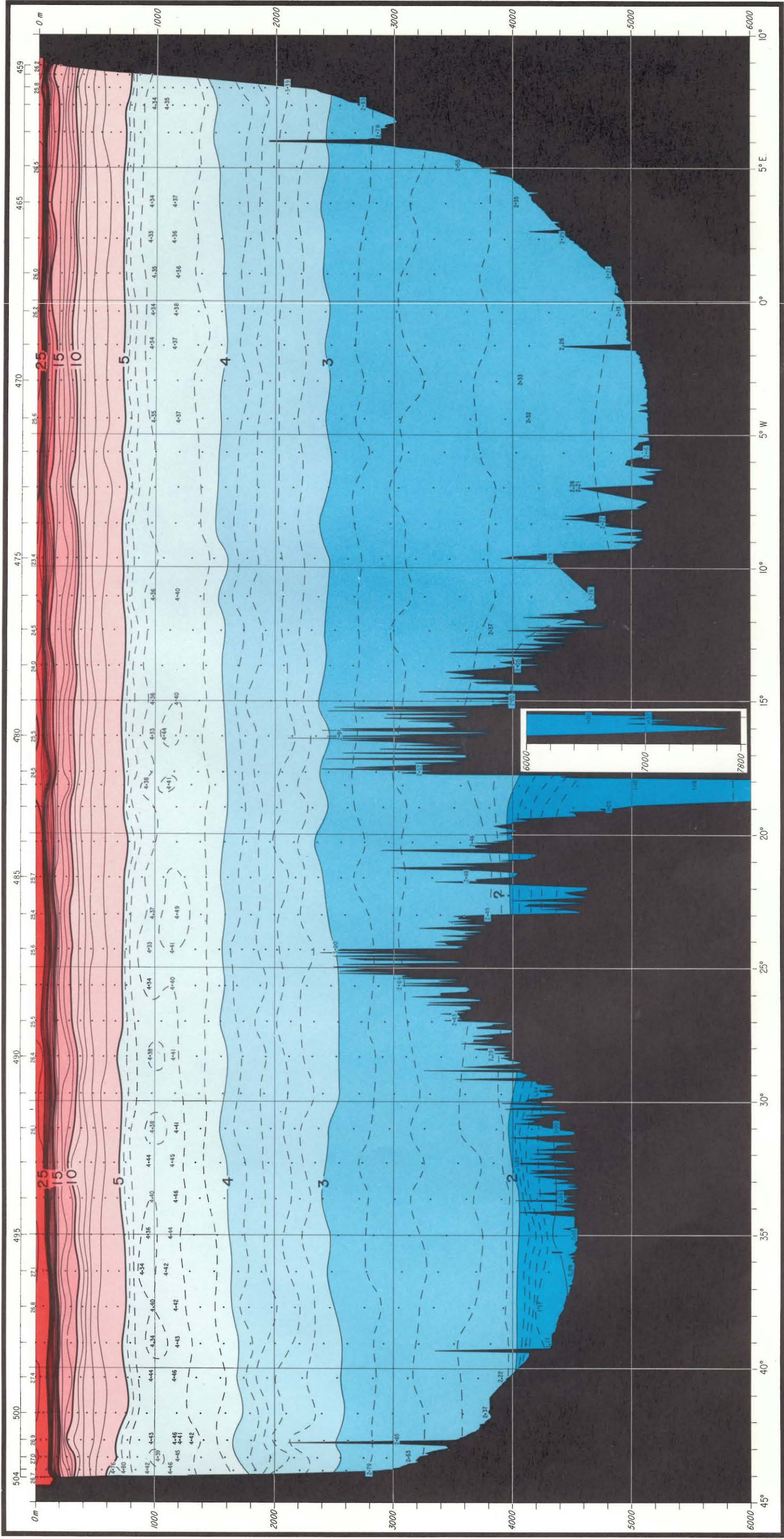
8°S.

TEMPERATURE °C

0 500 Kilometers

March 1-22, 1957, CRAWFORD stations 86-92, 94-120.
Brazil to Angola.
Mean latitude, 8° 15' S.



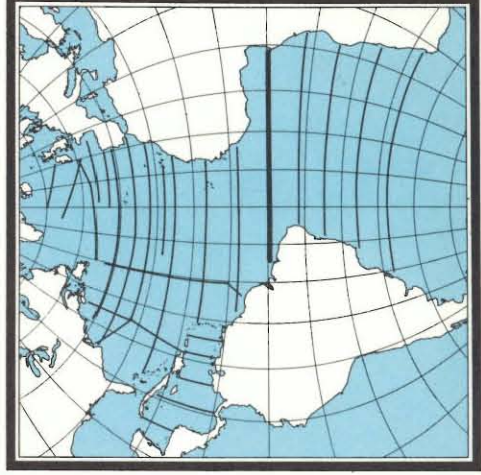


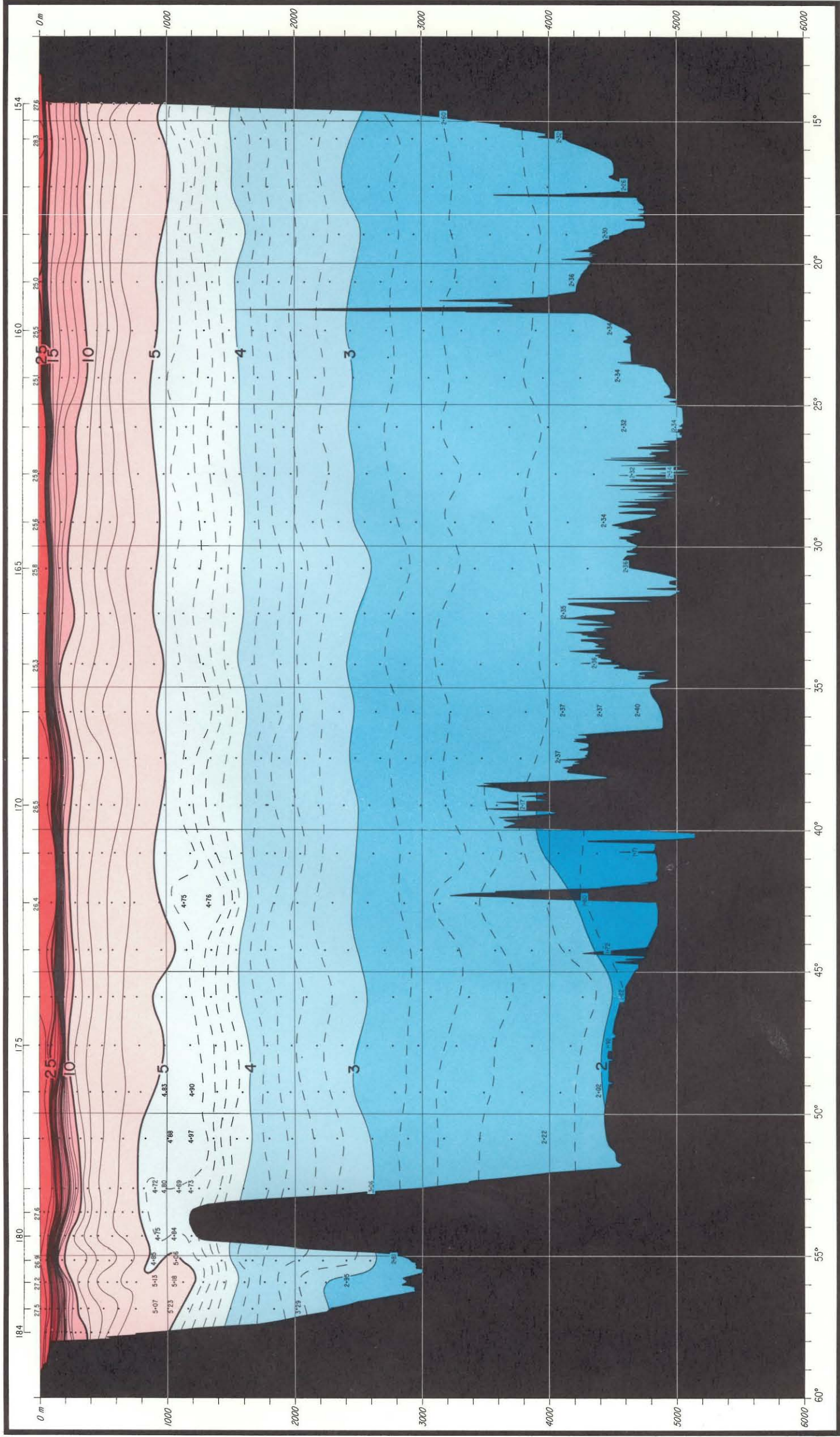
0°

TEMPERATURE °C

0 500 Kilometers

November 7-30, 1958, CRAWFORD stations 459-504.
 Brazil to French Equatorial Africa.
 Mean latitude, 0° 15' S.



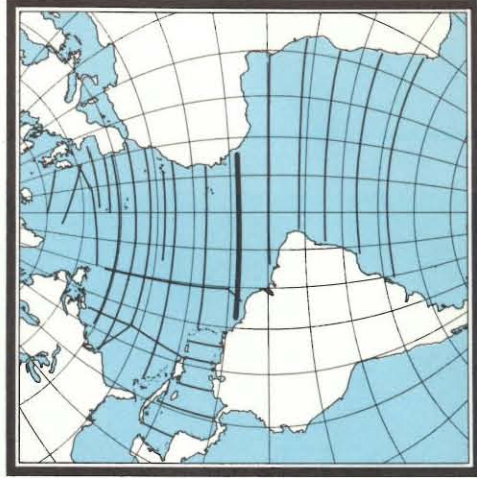


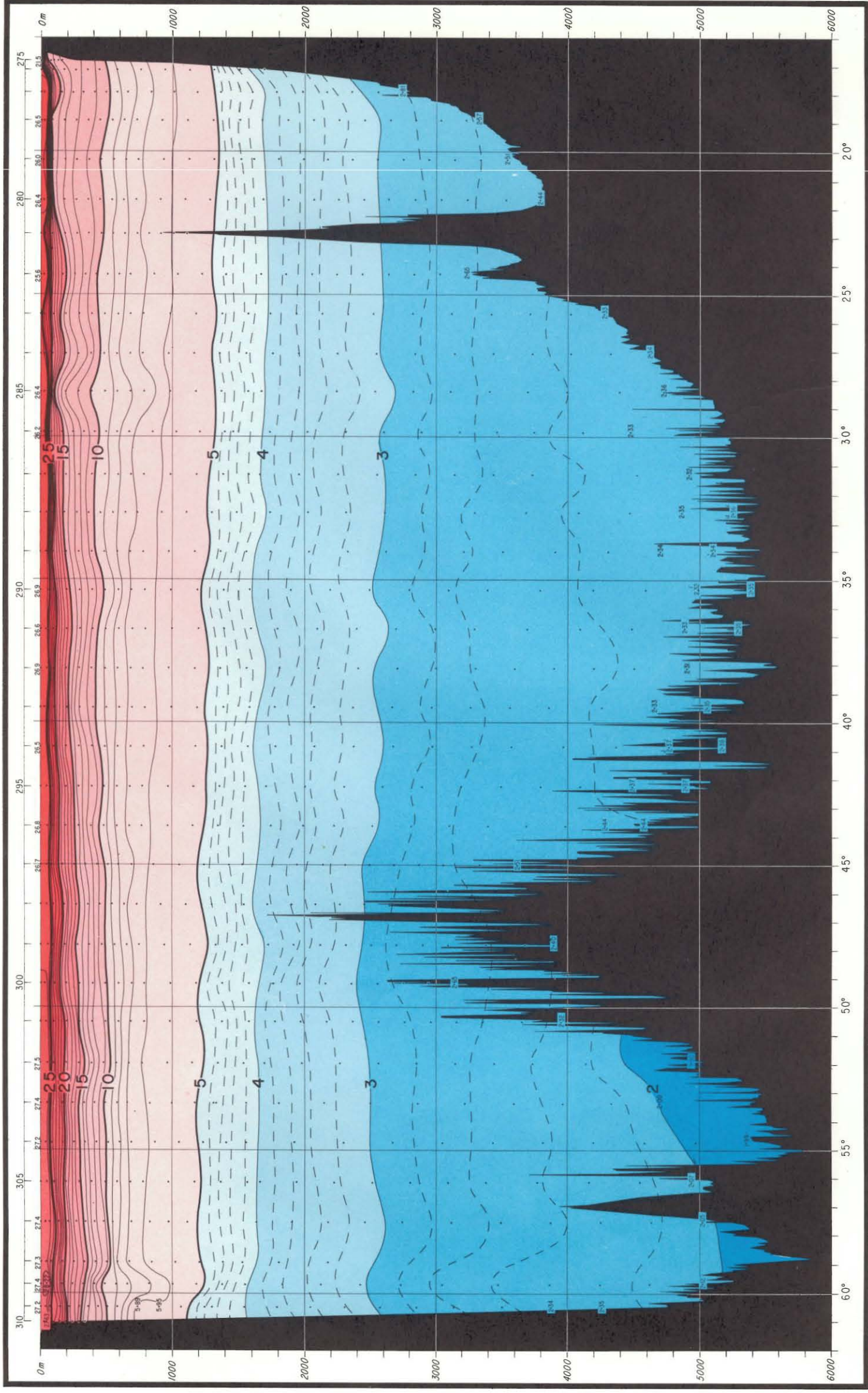
8°N.

TEMPERATURE °C

0 500 Kilometers

May 6-21, 1957, CRAWFORD stations 154-184.
Brazil to Sierra Leona.
Mean latitude, 8° 15' N.



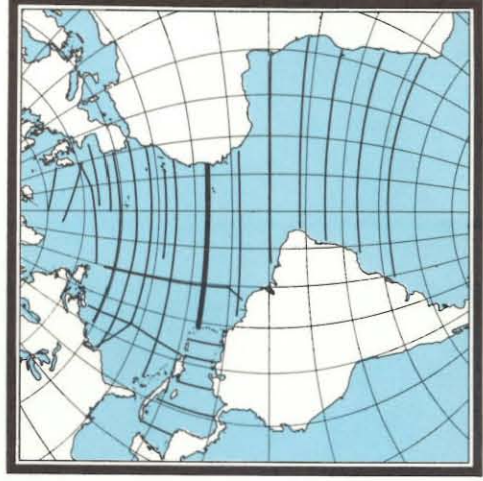


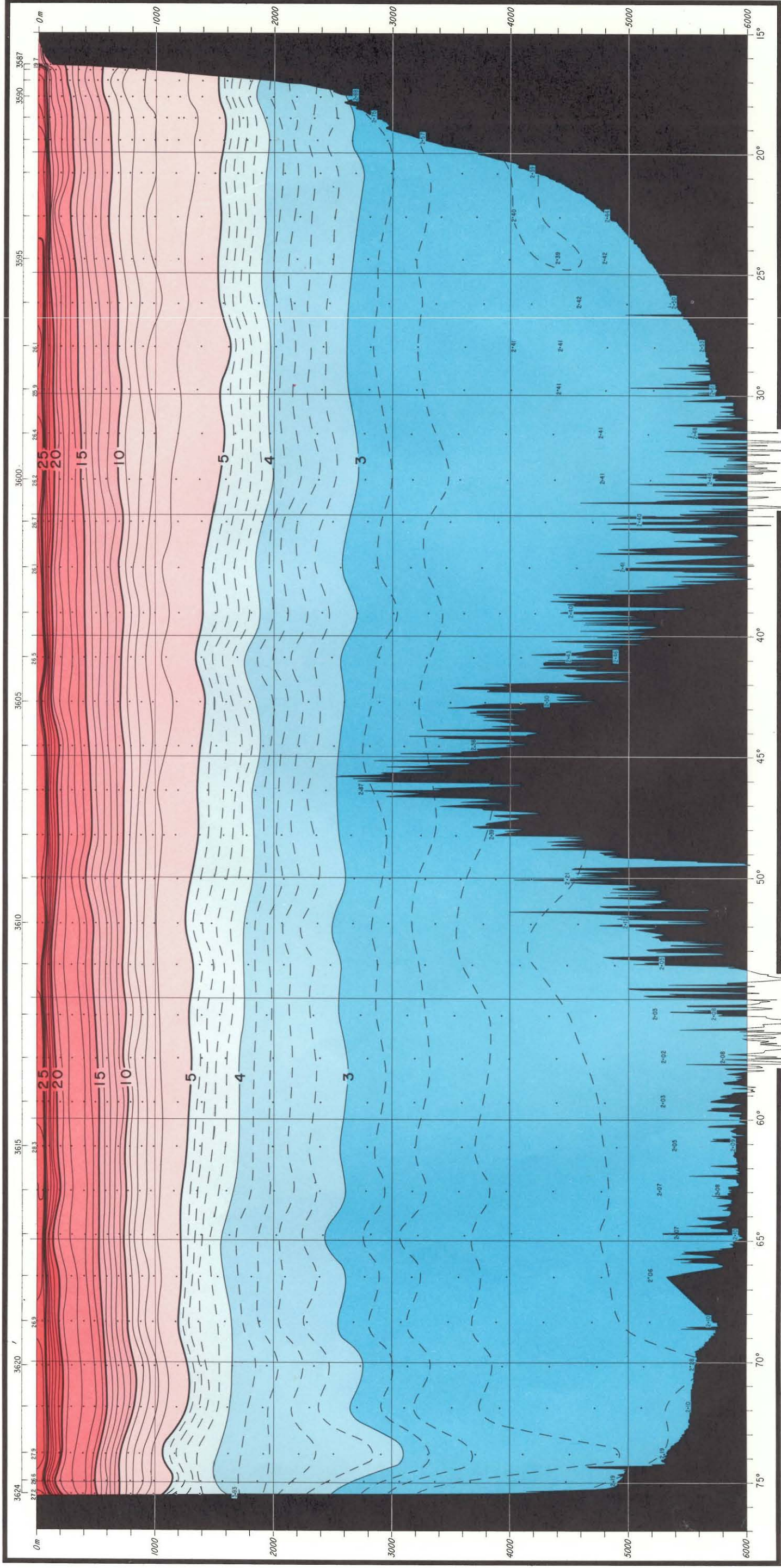
16° N.

TEMPERATURE °C

0 500 Kilometers

November 13-29, 1957, CRAWFORD stations 275-310.
Guadeloupe to French West Africa.
Mean latitude, 16° 15' N.



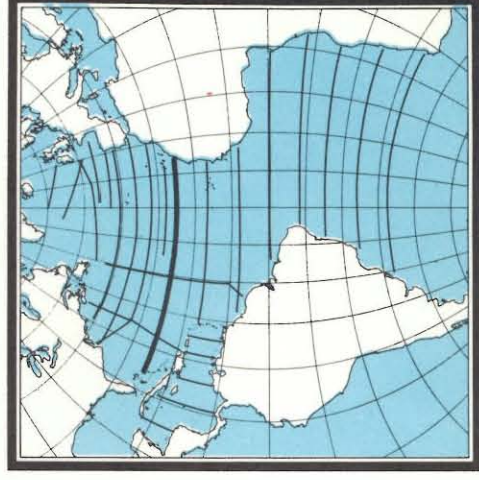


24° N.

TEMPERATURE °C

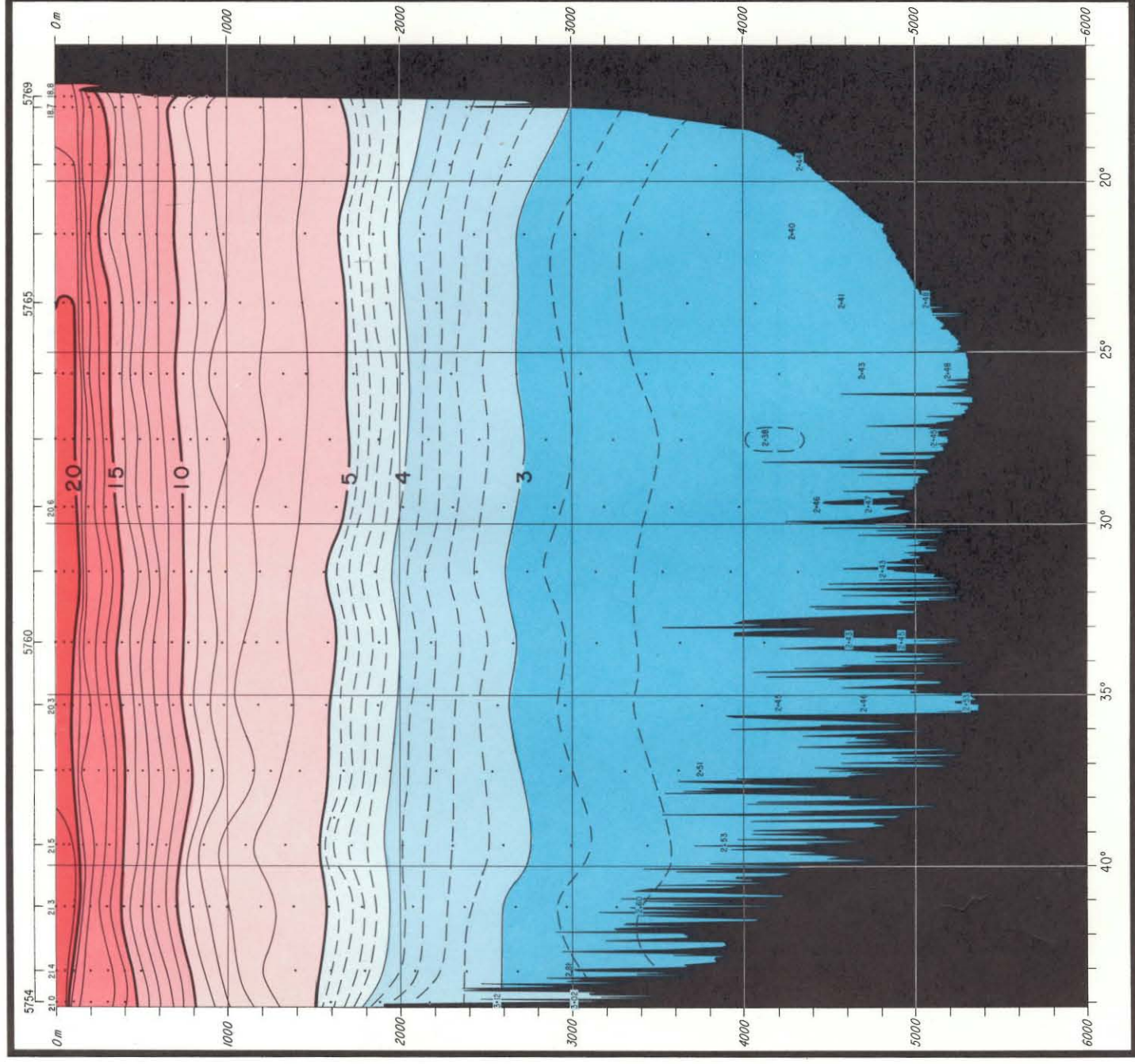
0 500 Kilometers

October 6-28, 1957, DISCOVERY II stations 3587-3624.
Bahamas to Spanish Sahara.
Mean latitude, 24° 30' N.



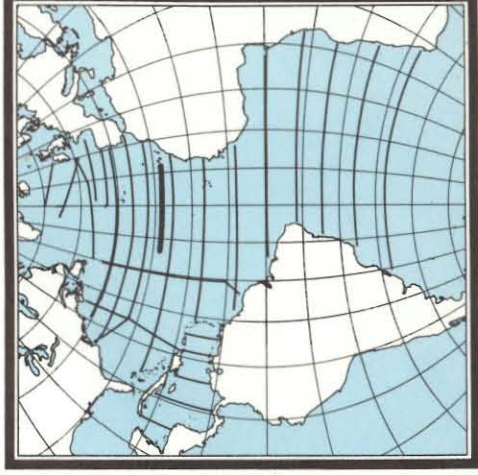
28° N.

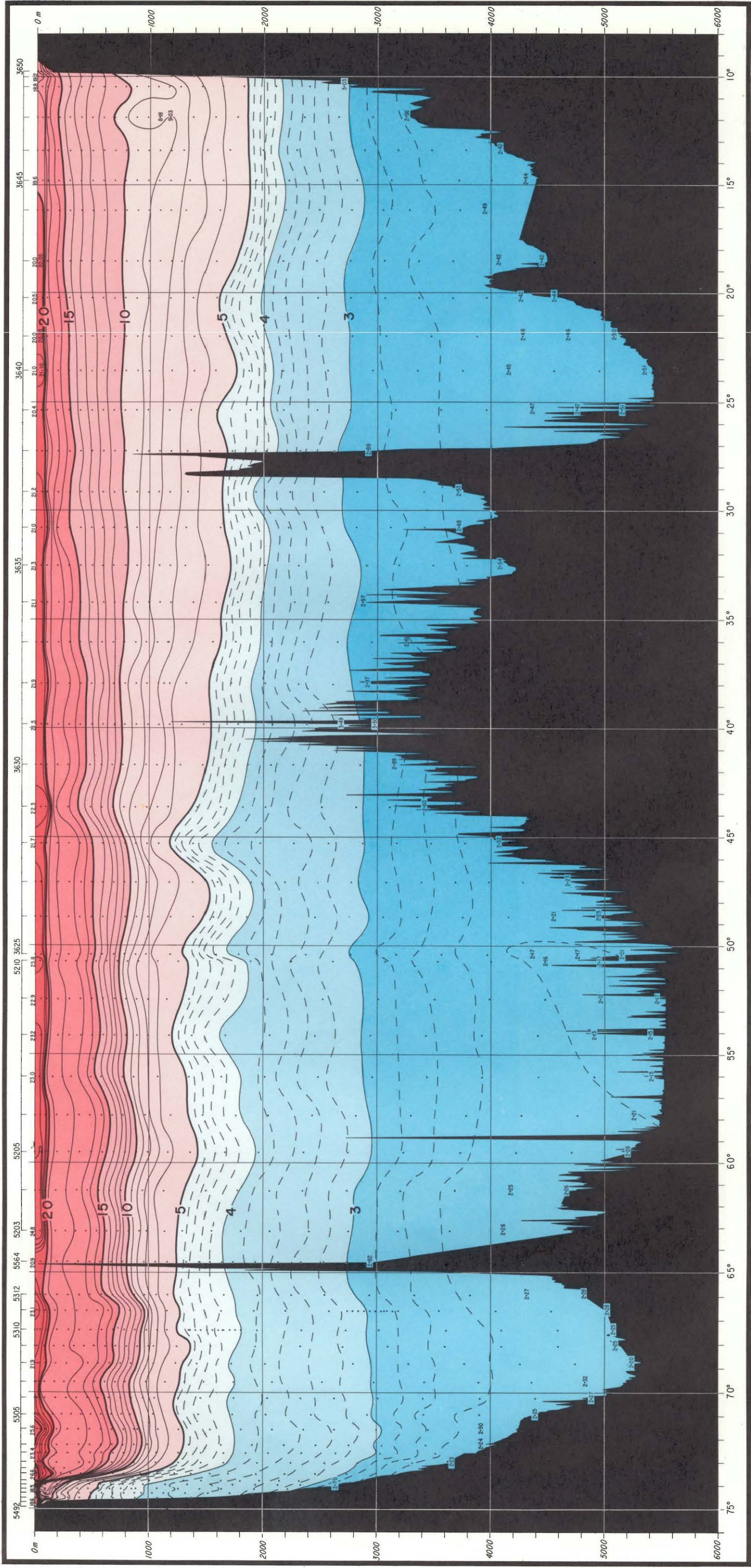
TEMPERATURE • C



February 12-22, 1959, ATLANTIS stations 5754-5769.
Mid-Atlantic Ridge to Canary Islands.
Mean latitude, 28° 15' N.

0 500 Kilometers



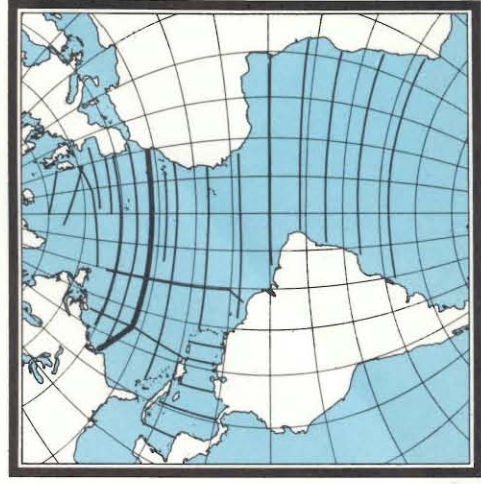


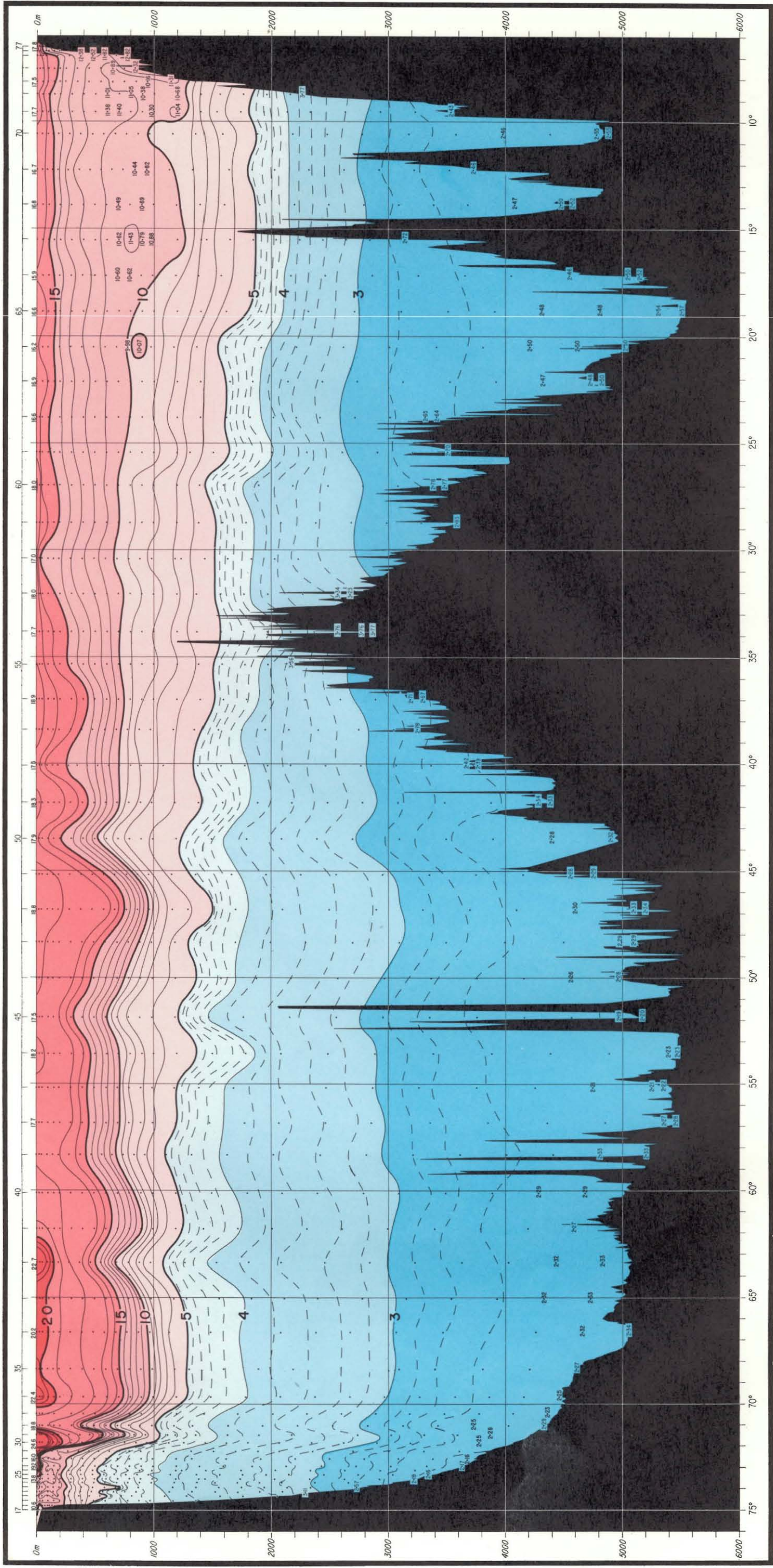
32° N.

TEMPERATURE °C

0 500 Kilometers

November 11-16, 1954, ATLANTIS stations 5203-5210.
 June 9-14, 1955, ATLANTIS stations 5292-5312.
 April 22, 1957, ATLANTIS station 5564.
 November 24 - December 7, 1957, DISCOVERY II stations 3625-3650.
 Chesapeake Bay to Bermuda to Morocco.
 Mean latitude, Bermuda to Morocco 32° 15' N.



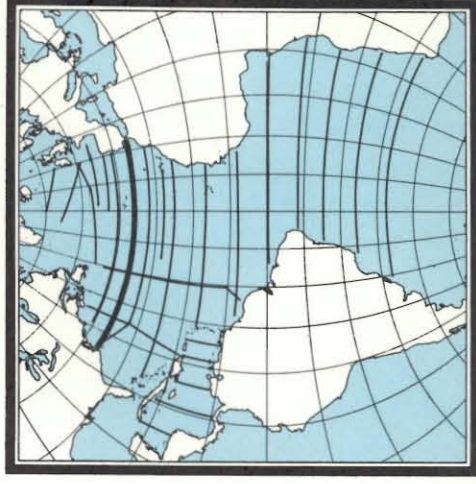


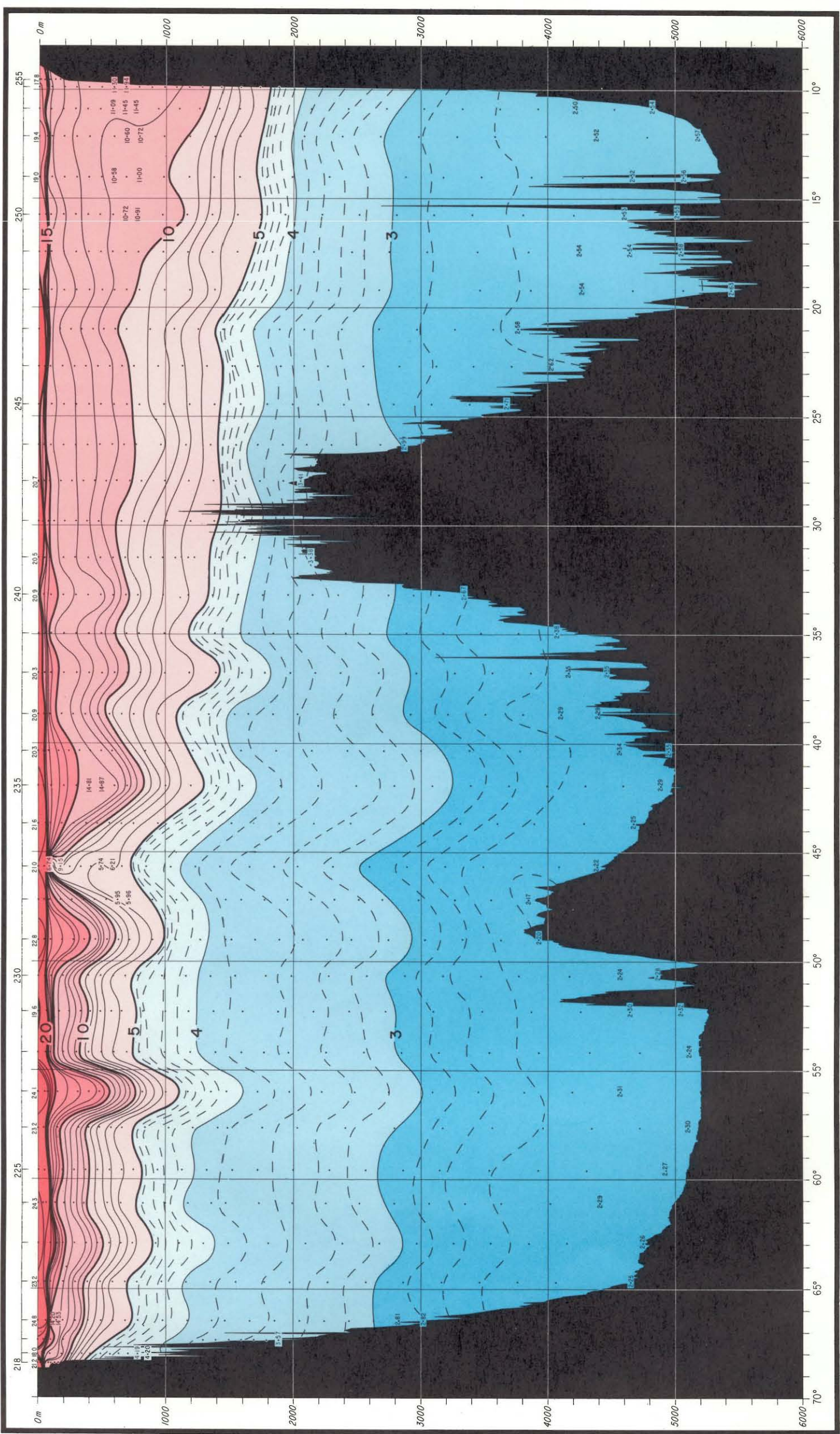
36° N.

TEMPERATURE °C

0 500 Kilometers

April 19 - May 12, 1959, CHAIN stations 17-77.
 North Carolina to Spain.
 Mean latitude, 36° 15' N.



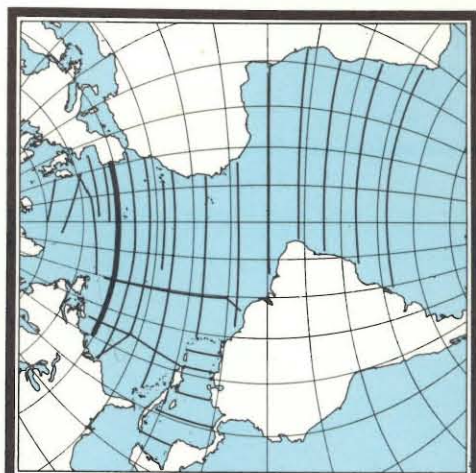


40° N.

TEMPERATURE °C

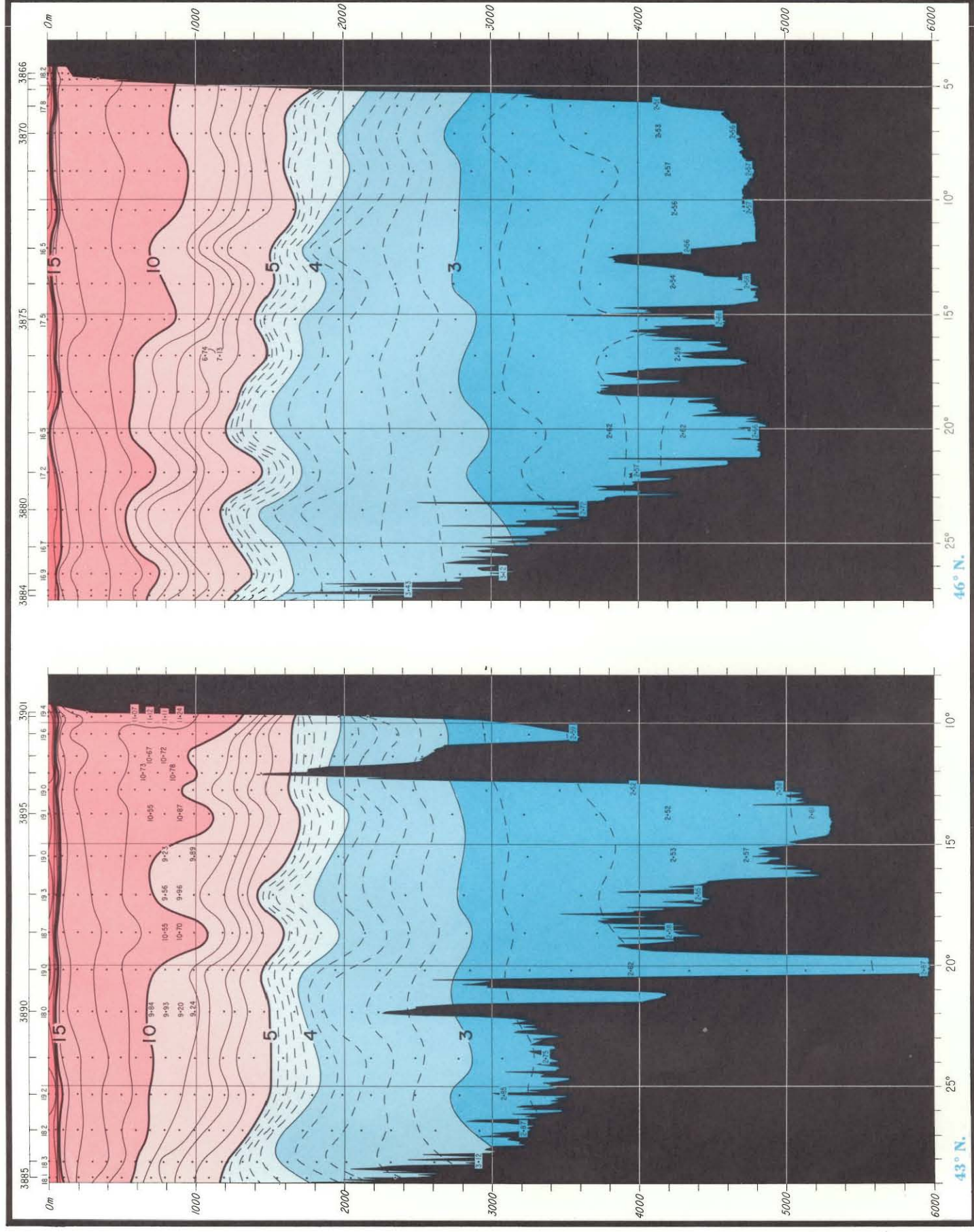
0 500 Kilometers

October 2-22, 1957, CRAWFORD stations 218-255.
Georges Bank to Portugal.
Mean latitude, 40° 15' N.



43° N.
46° N.

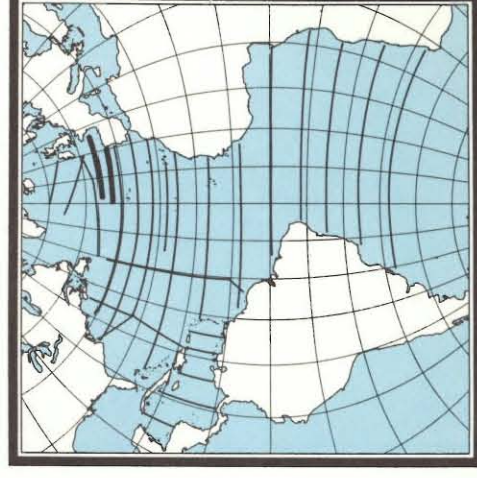
TEMPERATURE °C



43° N. September 11-16, 1958, DISCOVERY II stations 3885-3901.
Mid-Atlantic Ridge to Cape Finisterre.
Mean latitude, 43° 05' N.

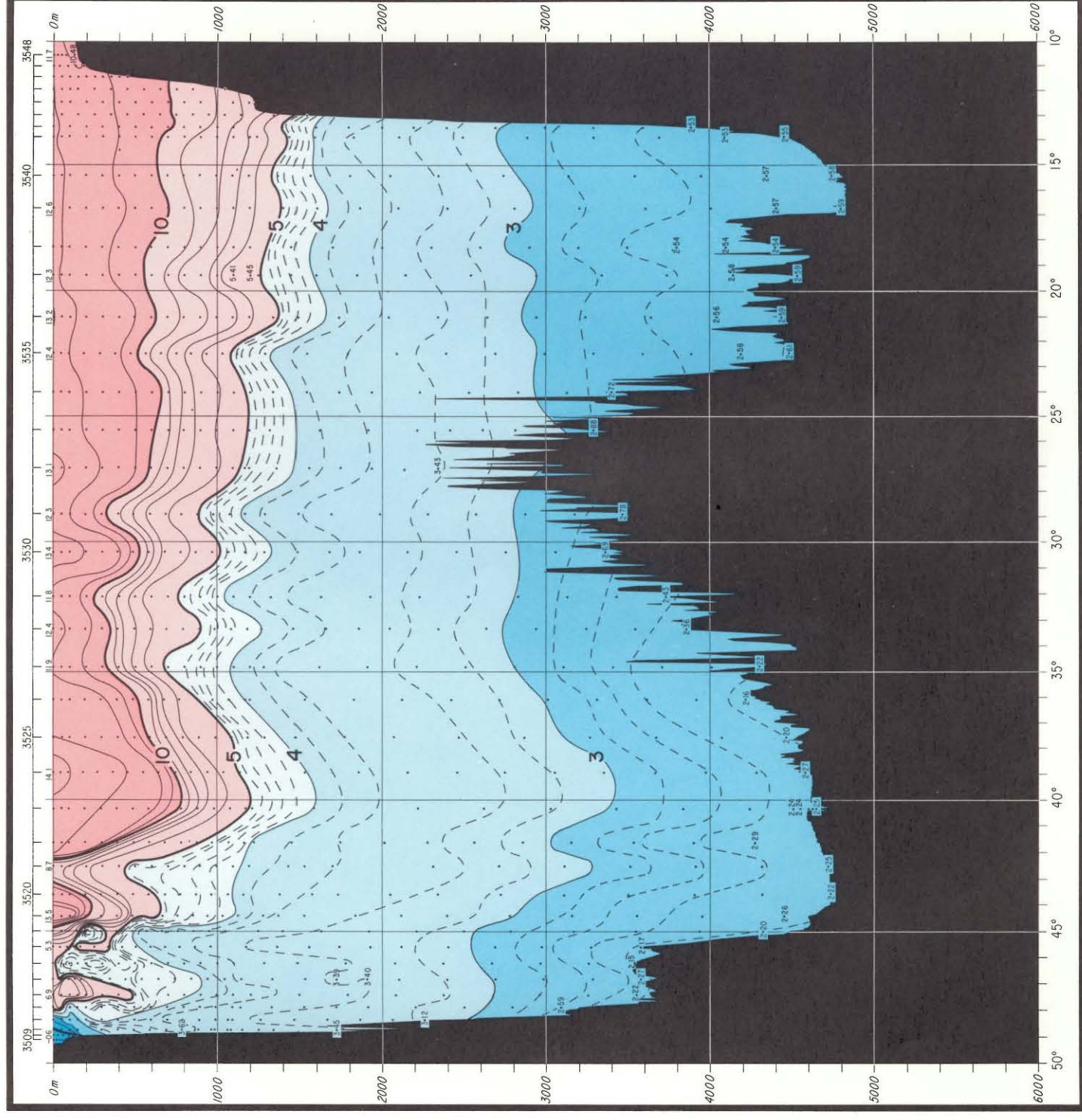
46° N. September 4-10, 1958, DISCOVERY II stations 3866-3884.
Mid-Atlantic Ridge to Bay of Biscay.
Mean latitude, 46° 20' N.

0 500 Kilometers



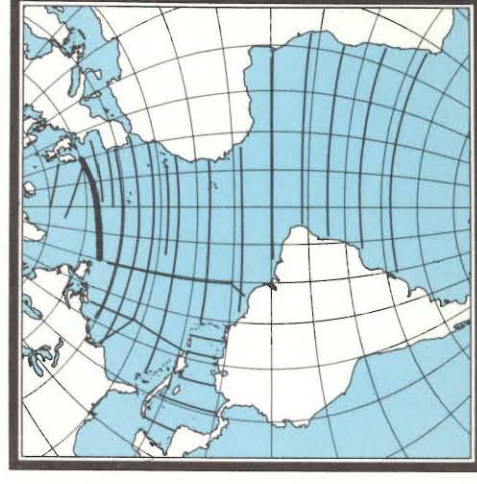
48° N.

TEMPERATURE °C



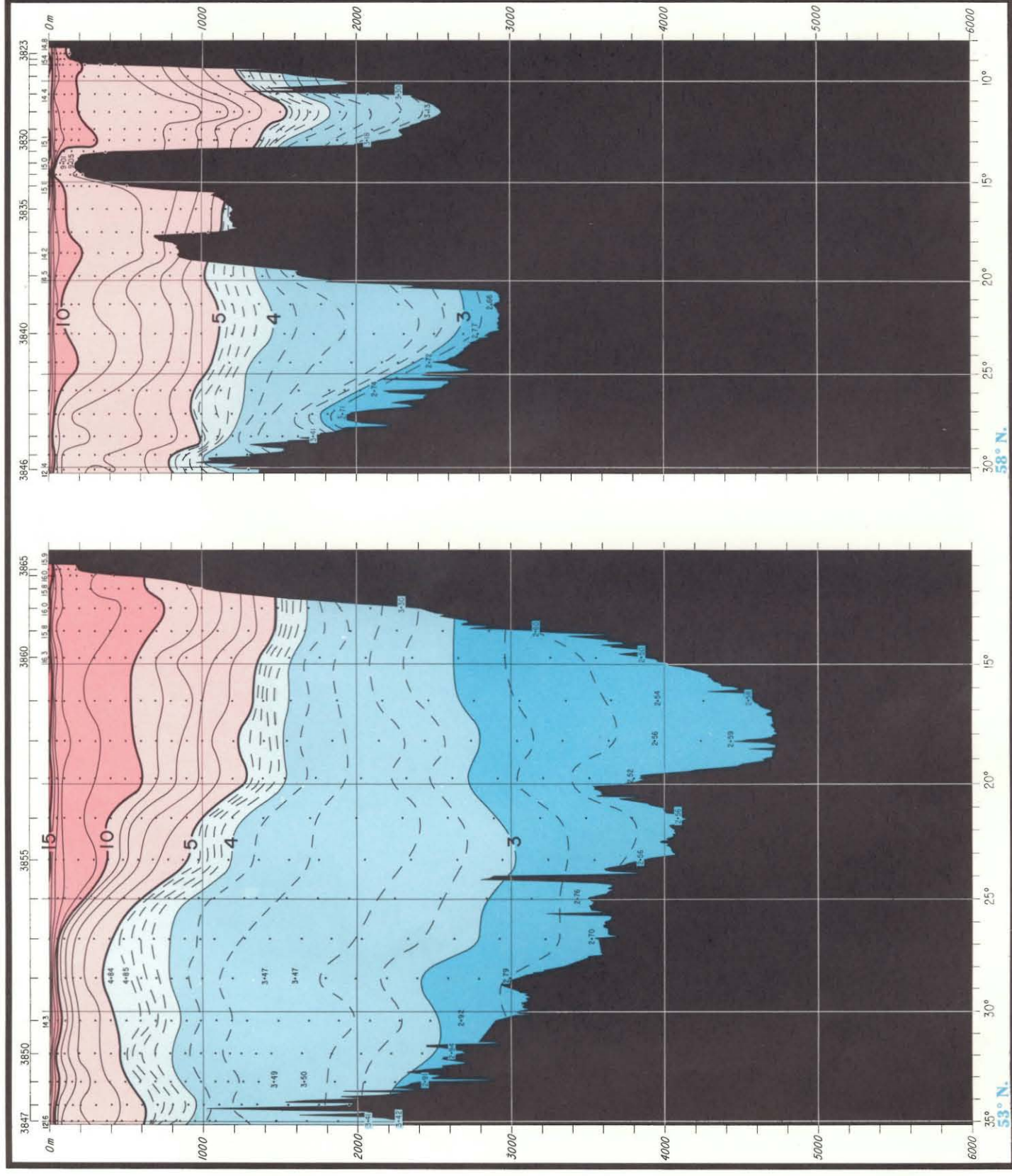
April 16-27, 1957, Discovery II stations 3509-3548.
Grand Banks to offing of English Channel.
From 44° 39' N, 49° 08' W. to 49° 40' N, 10° 34' W.

0 500 Kilometers



53° N. 58° N.

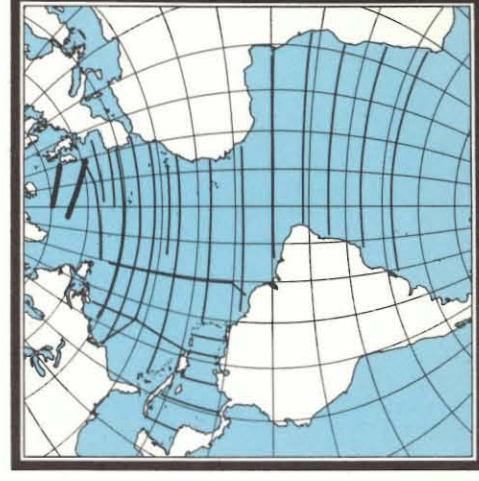
TEMPERATURE °C



53° N. August 24-30, 1958, DISCOVERY II stations 3847-3865.
Mid-Atlantic Ridge to offing of English Channel.
From 55° 57' N., 34° 59' W. to 49° 19' N., 11° 08' W.

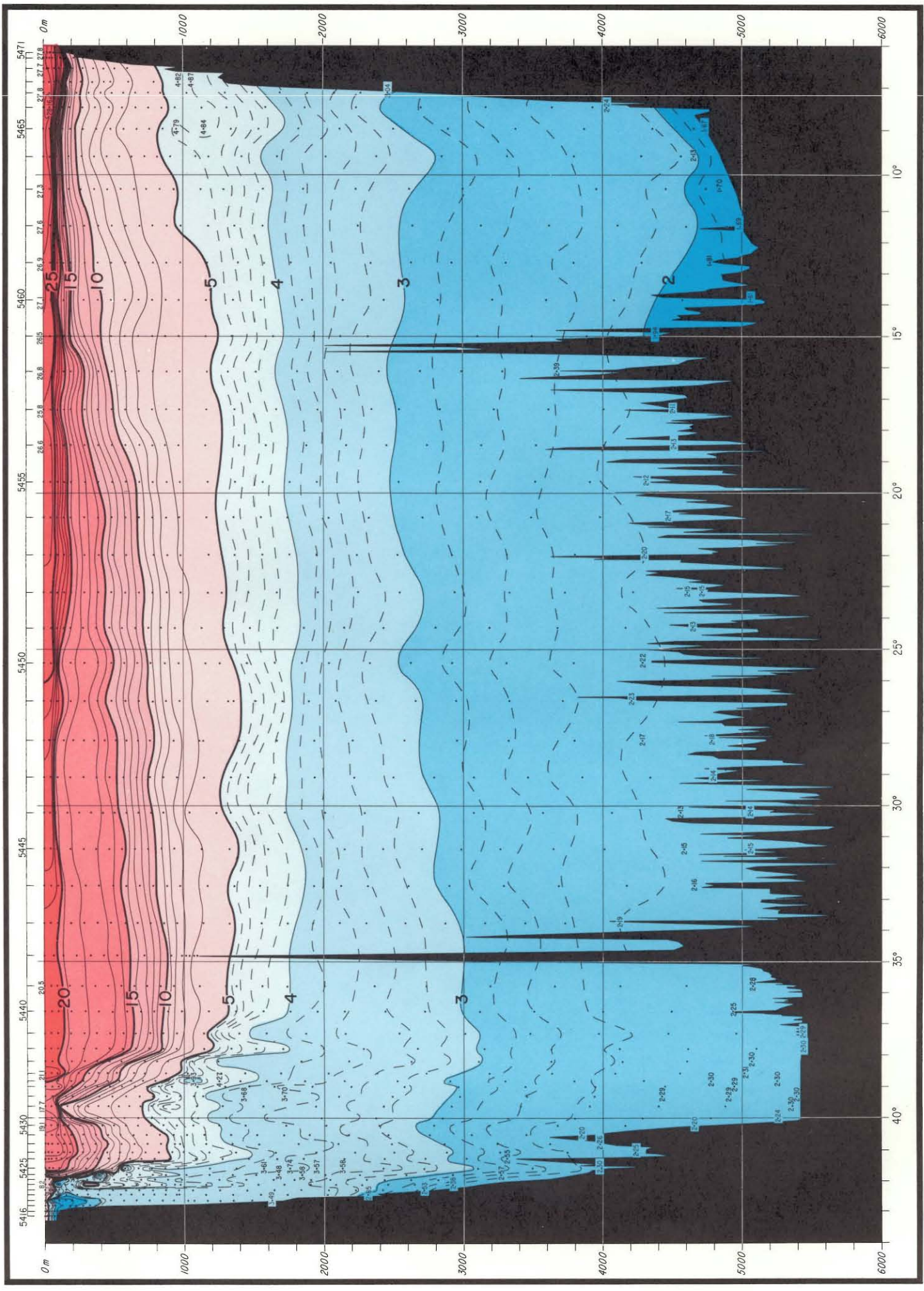
58° N. August 18-22, 1958, DISCOVERY II stations 3823-3846.
Mid-Atlantic Ridge to North Ireland.
From 60° 01' N., 30° 05' W. to 56° 00' N., 8° 40' W.

0 500 Kilometers

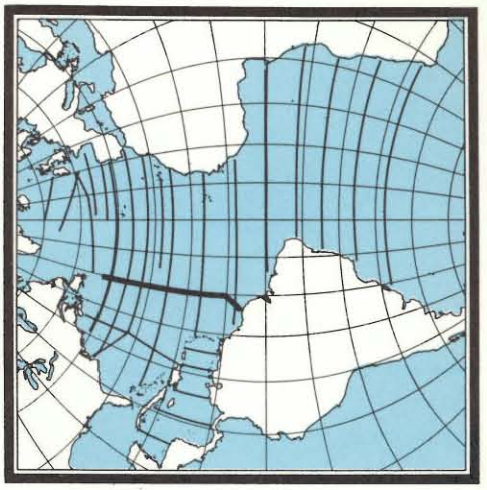


50° W.

TEMPERATURE • C

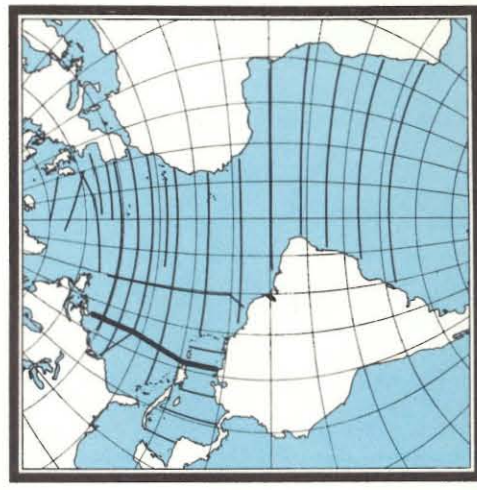
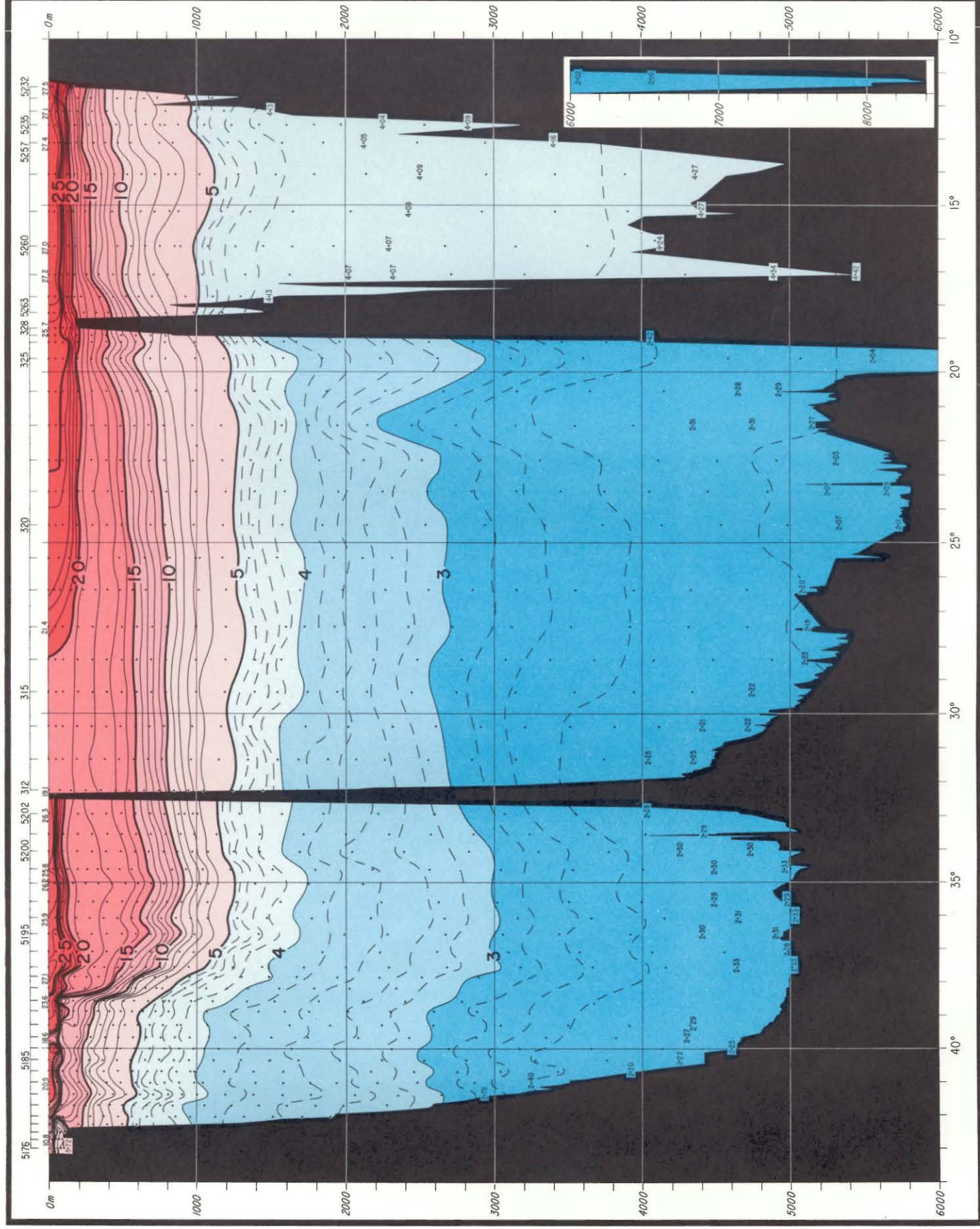


November 12 - December 2, 1956, ATLANTIS stations 5416-5471.
Grand Banks to French Guiana.
Mean longitude, 50° 30' W.



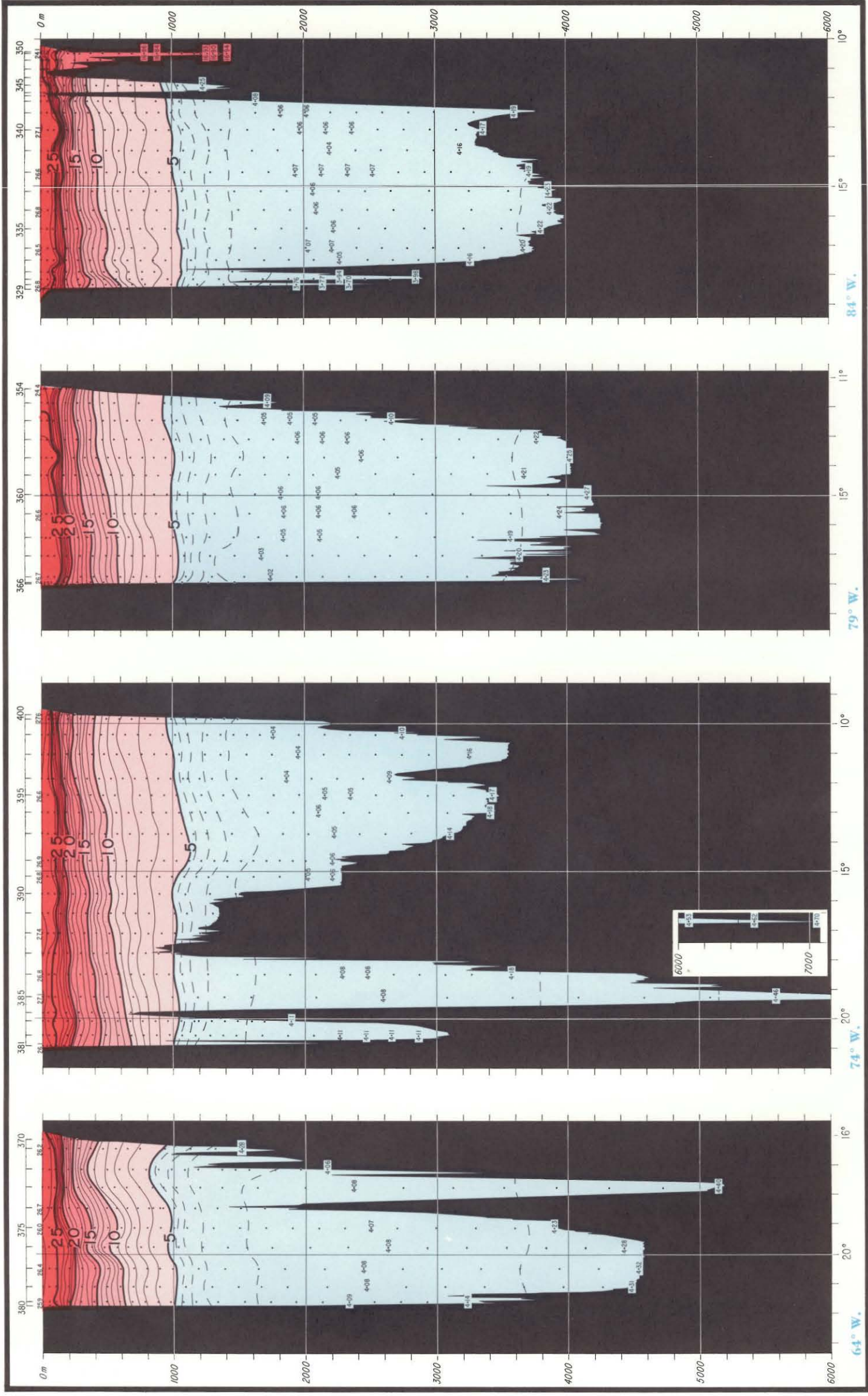
66° W.

TEMPERATURE • C



September 19-26, 1954, ATLANTIS stations 5176-5202.
 December 6-7, 1954, ATLANTIS stations 5232-5235.
 December 11-13, 1954, ATLANTIS stations 5257-5263.
 February 11-17, 1958, CRAWFORD stations 312-328.
 Nova Scotia to Bermuda to Mona Passage to Venezuela.

0 500 Kilometers



Caribbean Sea

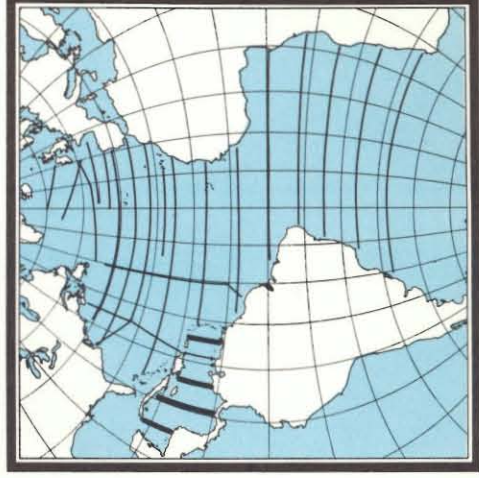
TEMPERATURE • C

64° W. February 21-25, 1958, CRAWFORD stations 329-350.
Virgin Islands to Venezuela.
Mean longitude, 64° 30' W.

74° W. February 27 - March 4, 1958, CRAWFORD stations 354-369.
Haiti to Columbia.
Mean longitude, 73° 45' W.

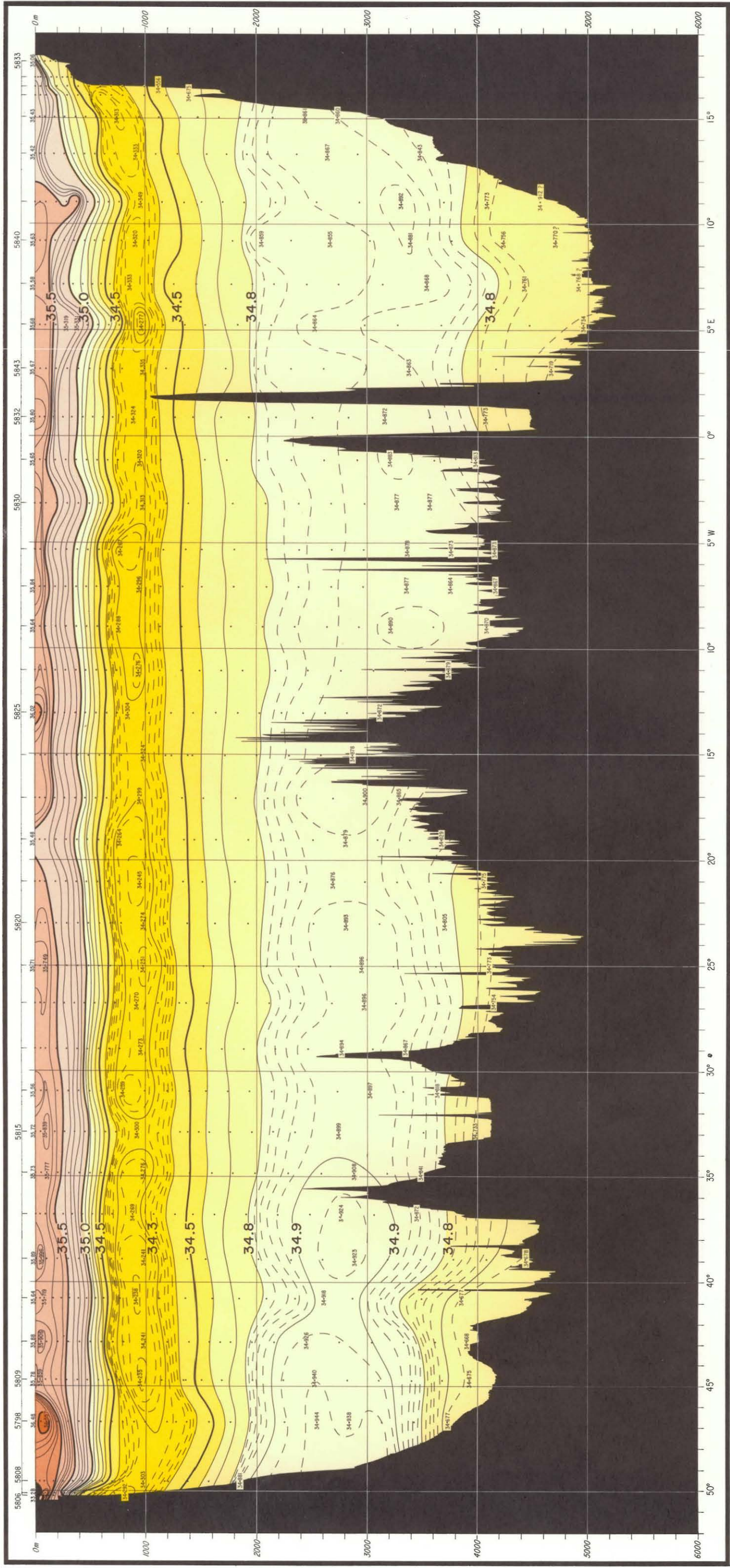
79° W. March 16-20, 1958, CRAWFORD stations 381-400.
Cuba to Panama.
Mean longitude, 79° 15' W.

84° W. March 13-15, 1958, CRAWFORD stations 370-380.
Cuba to Honduras.
Mean longitude, 84° 30' W.



SALINITY PROFILES



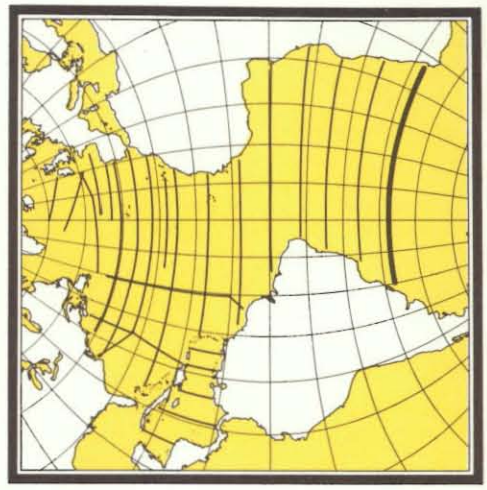


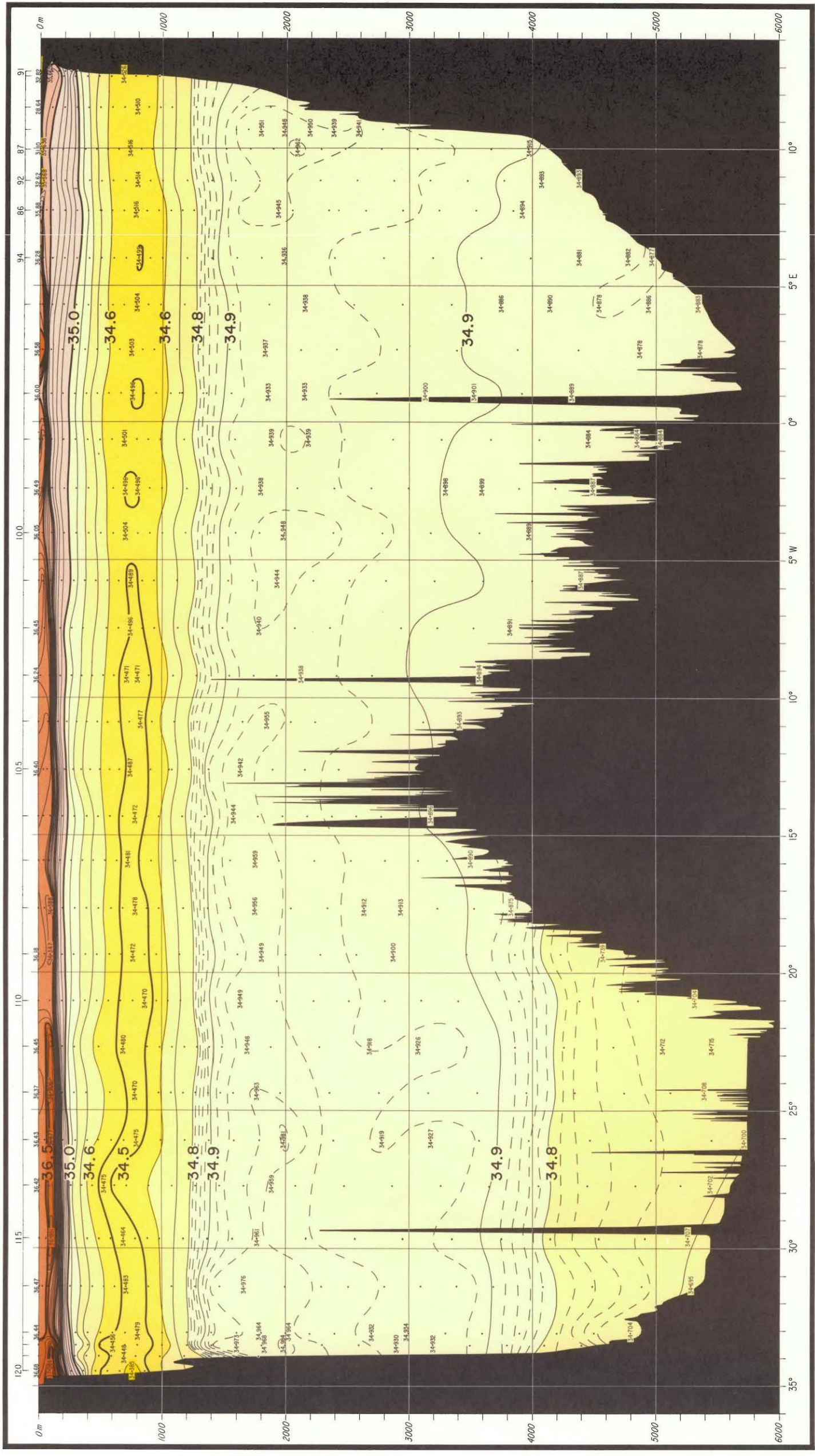
32° S.

SALINITY ‰



April 11, 1959, ATLANTIS station 5798.
 April 26 - June 3, 1959, ATLANTIS stations 5806-5843.
 Brazil to Union of South Africa.
 Mean latitude, 32° 30' S.



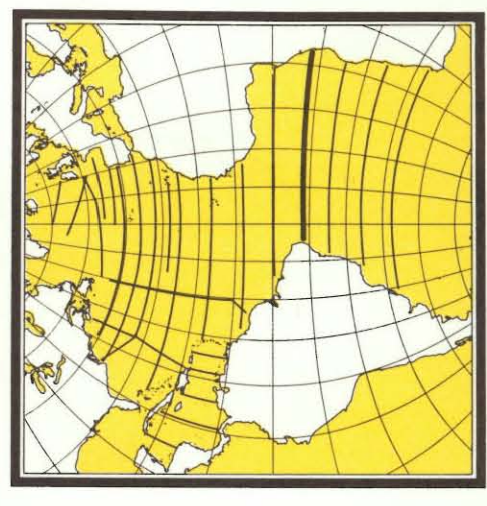


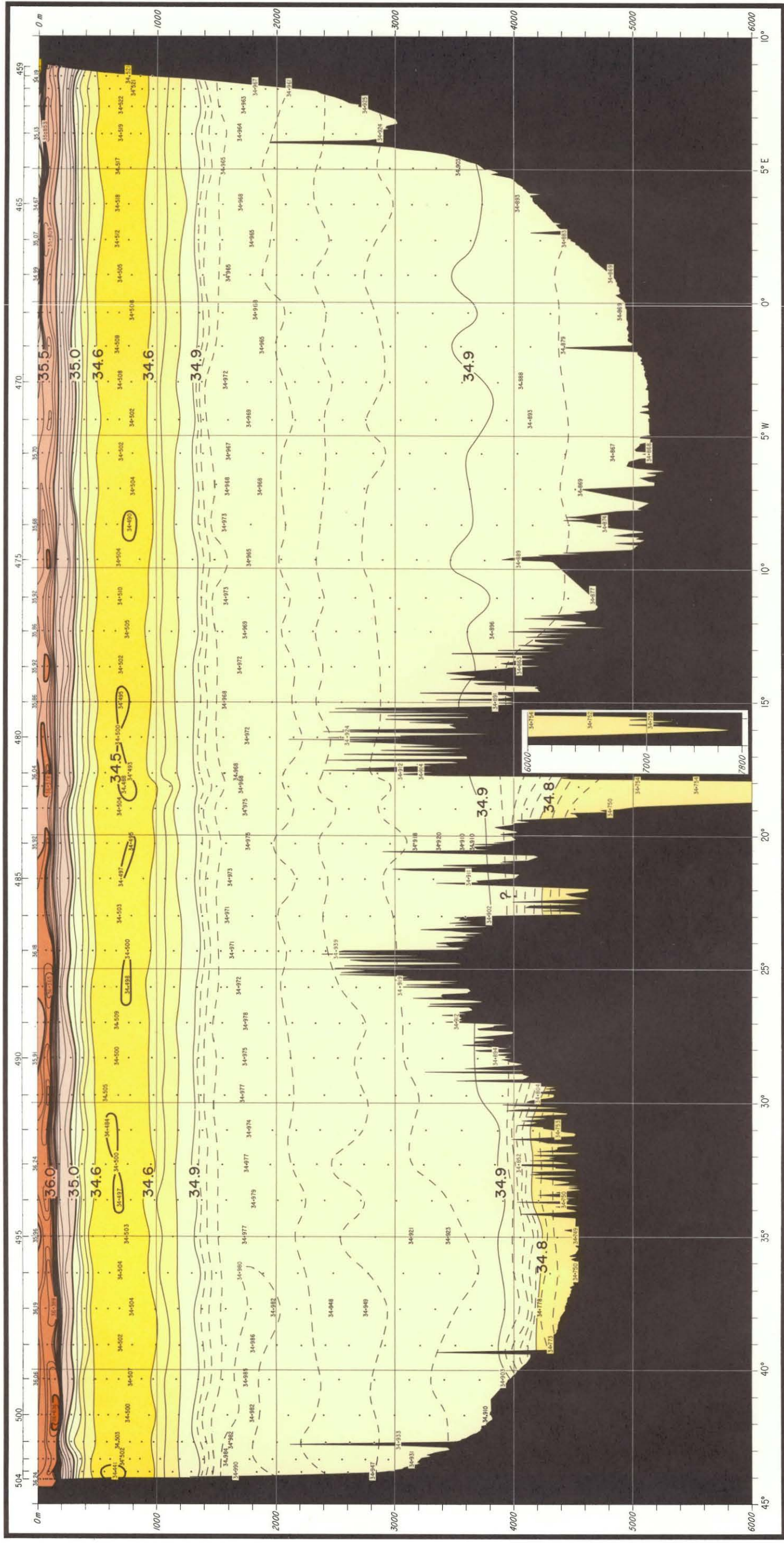
8° S.

SALINITY ‰

0 500 Kilometers

March 1-22, 1957, CRAWFORD stations 86-92, 94-120.
Brazil to Angola.
Mean latitude, 8° 15' S.



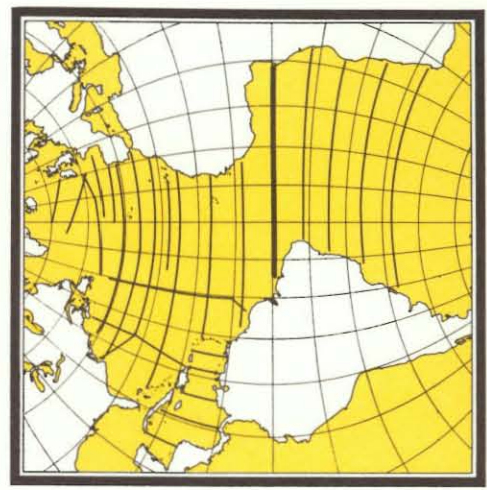


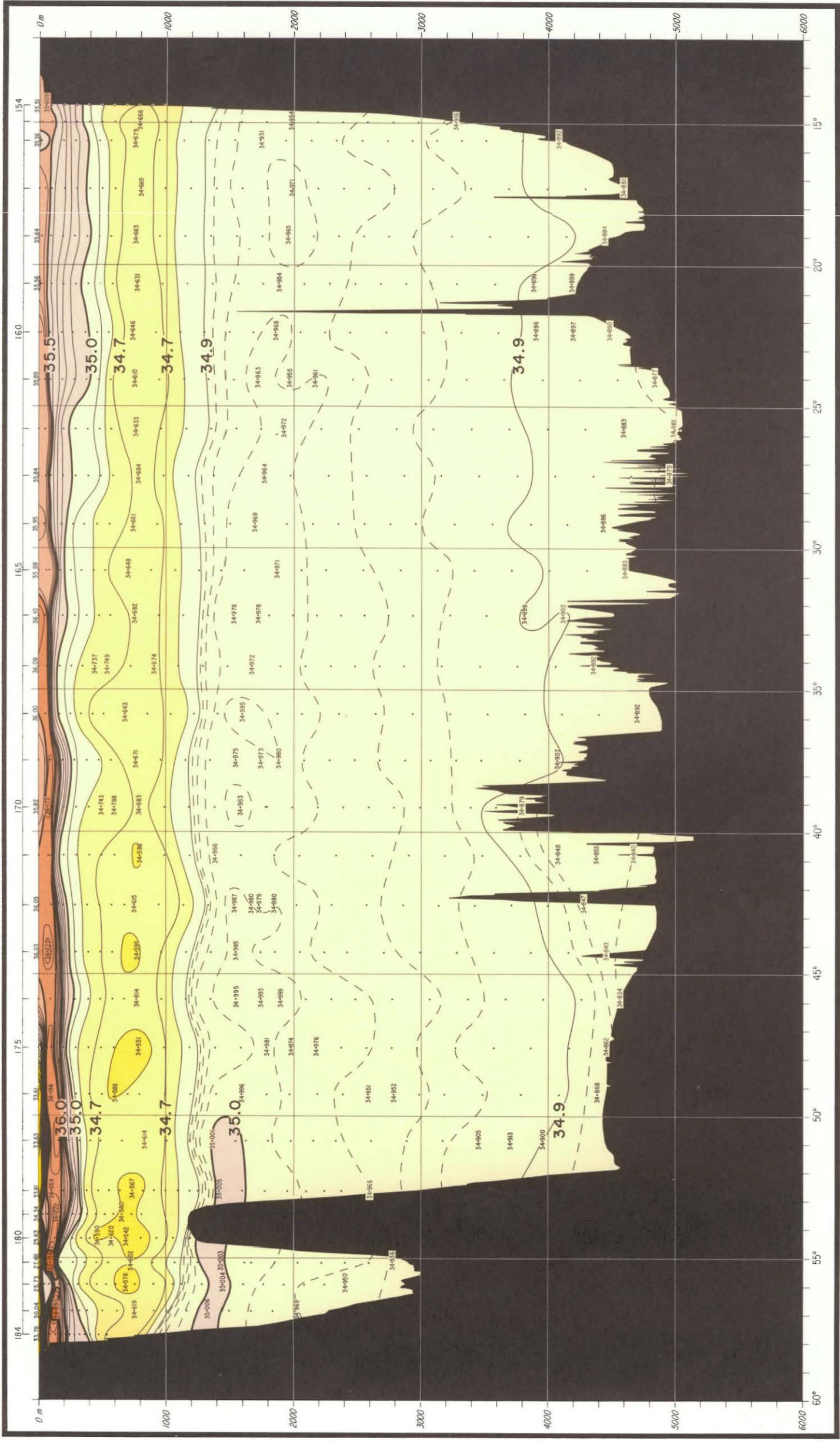
0°

SALINITY ‰

0 500 Kilometers

November 7-30, 1958, CRAWFORD stations 459-504.
Brazil to French Equatorial Africa.
Mean latitude, 0° 15' S.



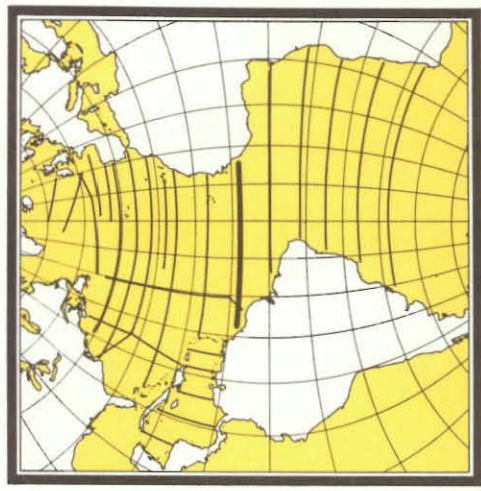


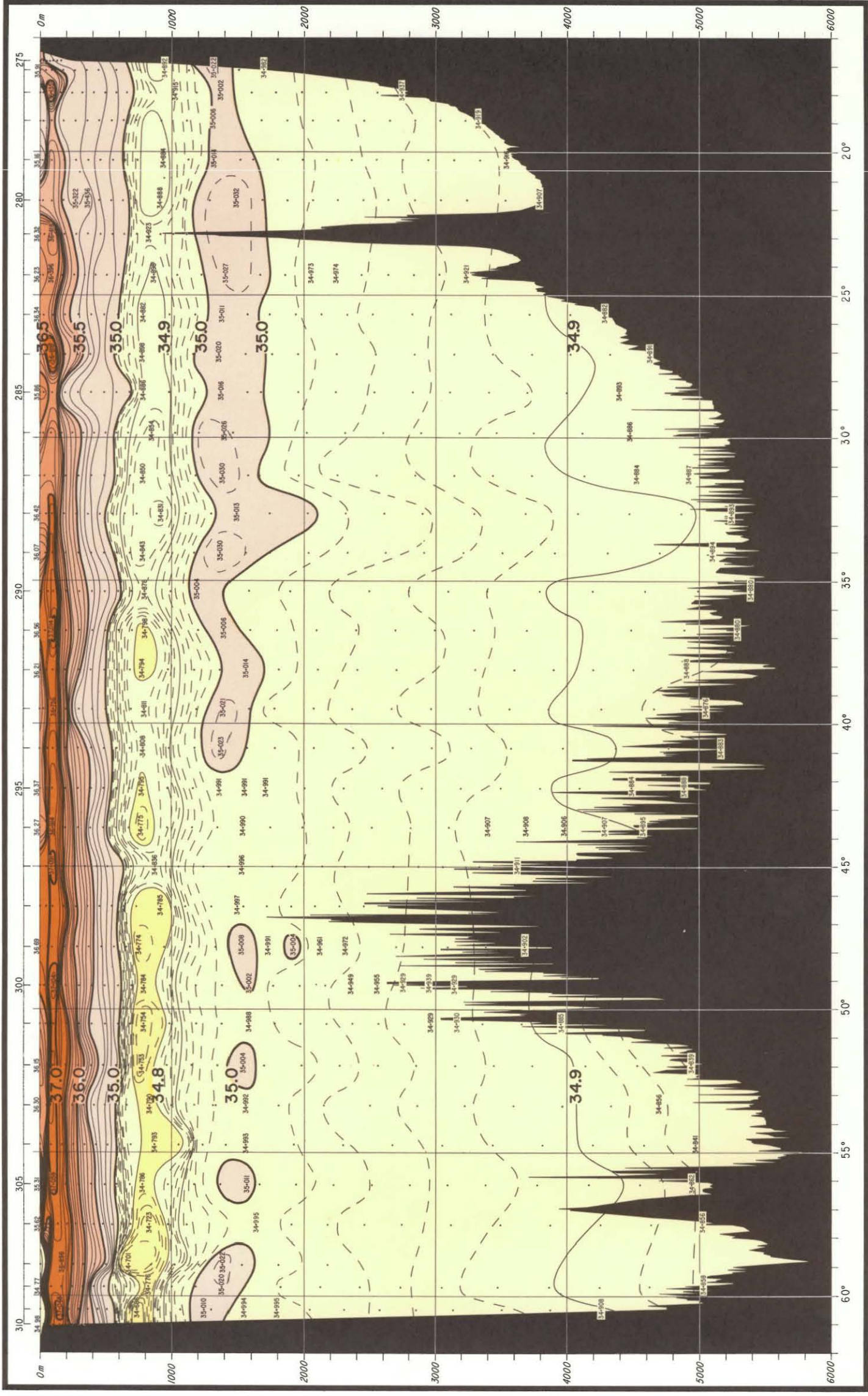
8°N.

SALINITY ‰

0 500 Kilometers

May 6-21, 1957, CRAWFORD stations 154-184.
Brazil to Sierra Leona.
Mean latitude, 8° 15' N.



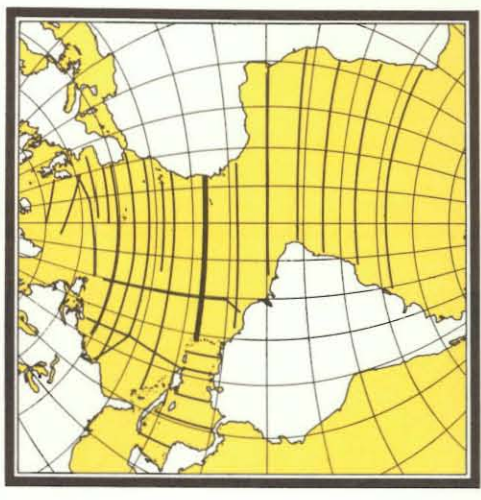


16° N.

SALINITY ‰

November 13-29, 1957, CRAWFORD stations 275-310.
 Guadeloupe to French West Africa.
 Mean latitude, 16° 15' N.

0 500 Kilometers

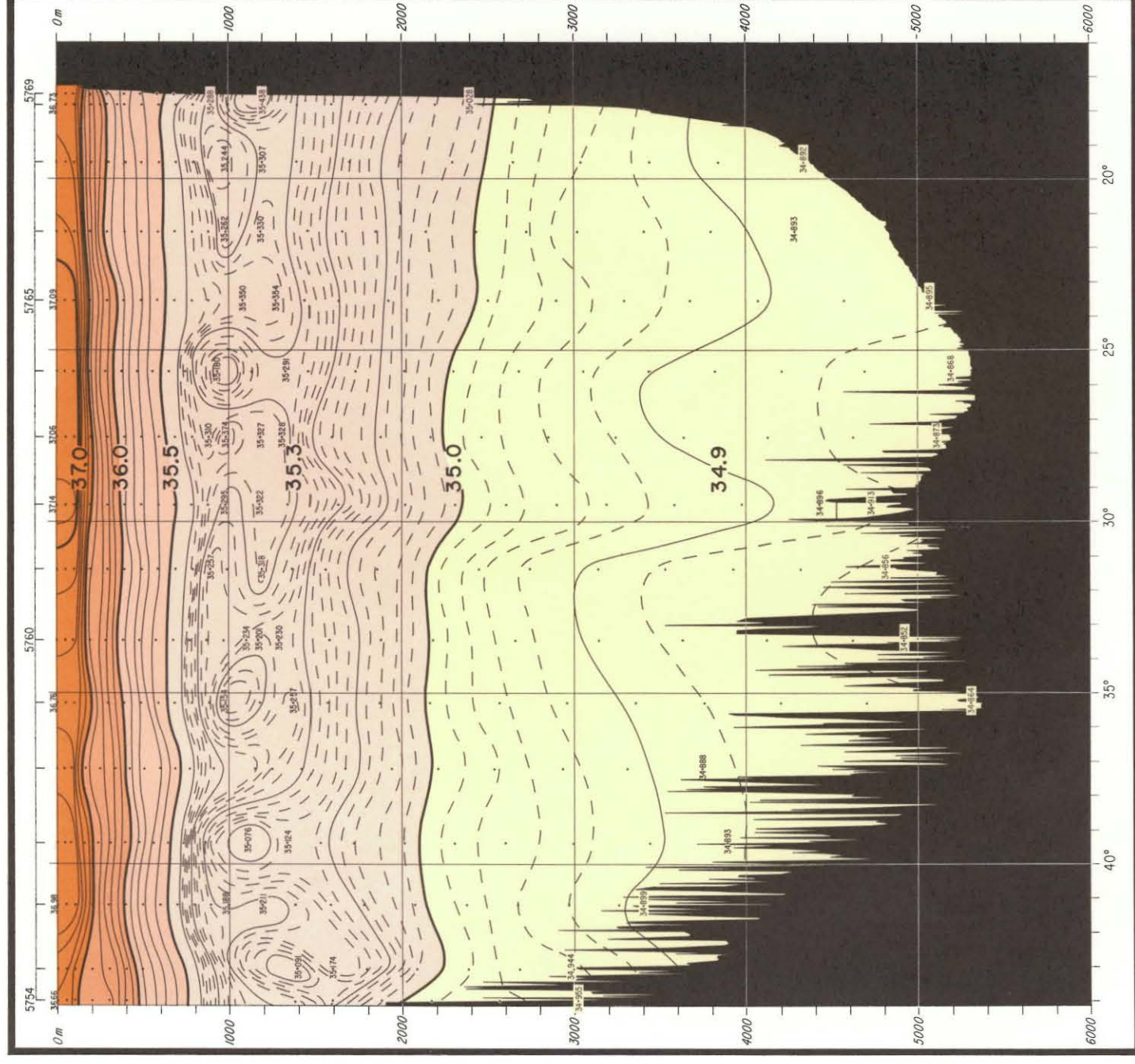
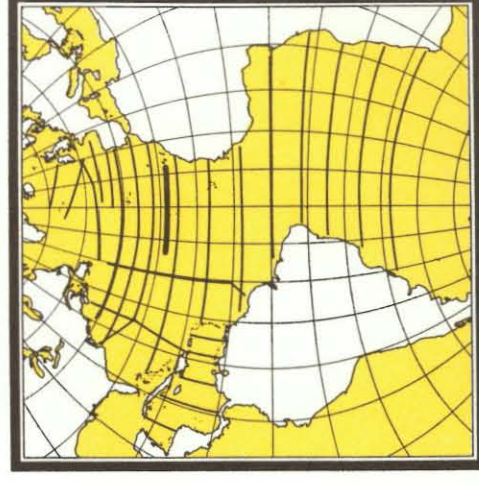


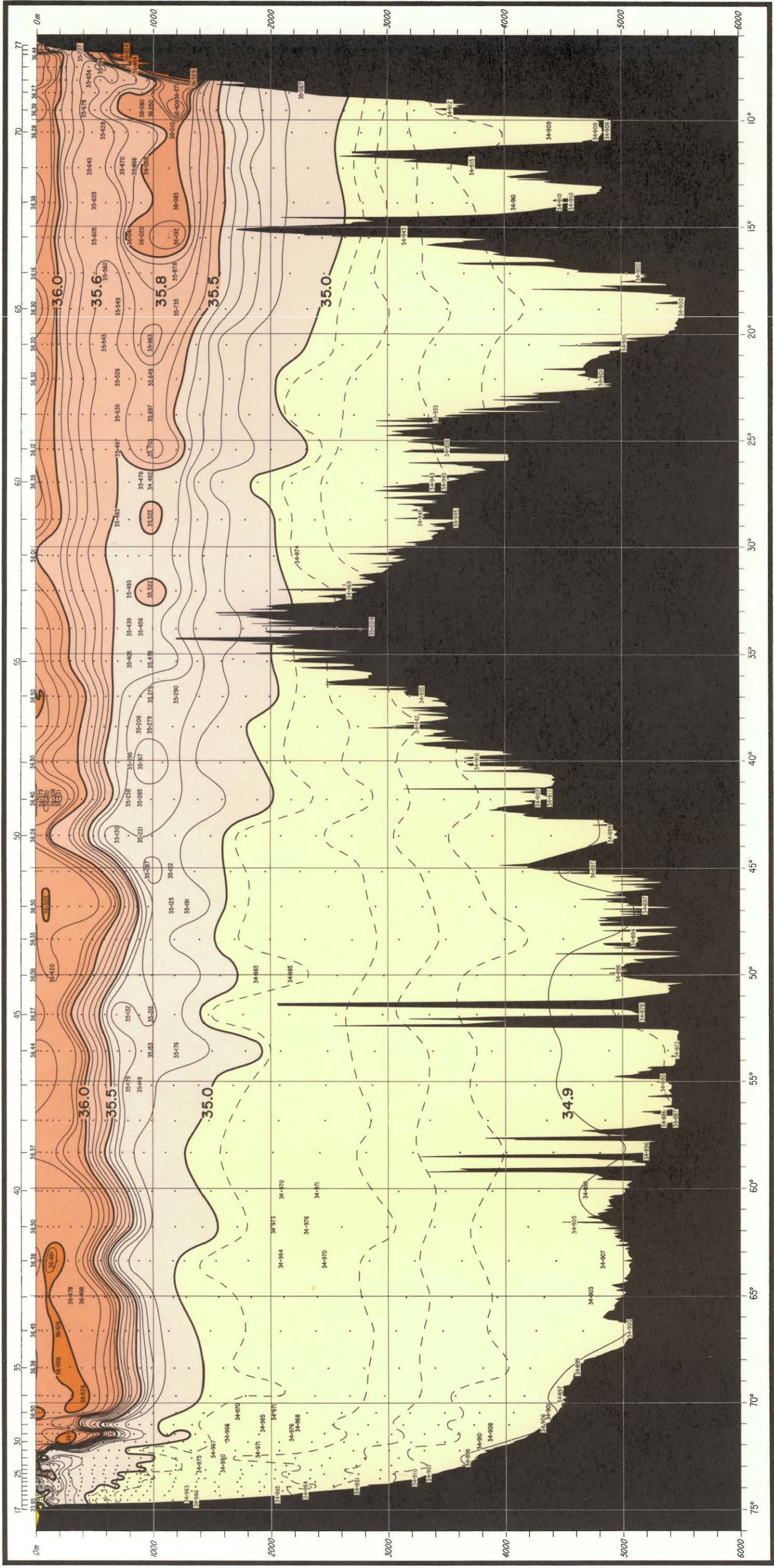
28° N.

SALINITY ‰

0 500 Kilometers

February 12-22, 1959, ATLANTIS stations 5754-5769.
Mid-Atlantic Ridge to Canary Islands.
Mean latitude, 28° 15' N.



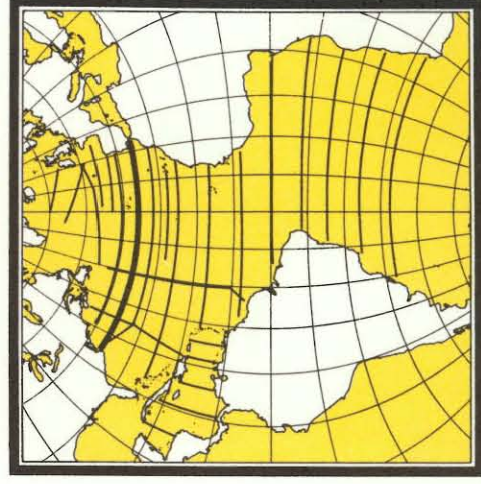


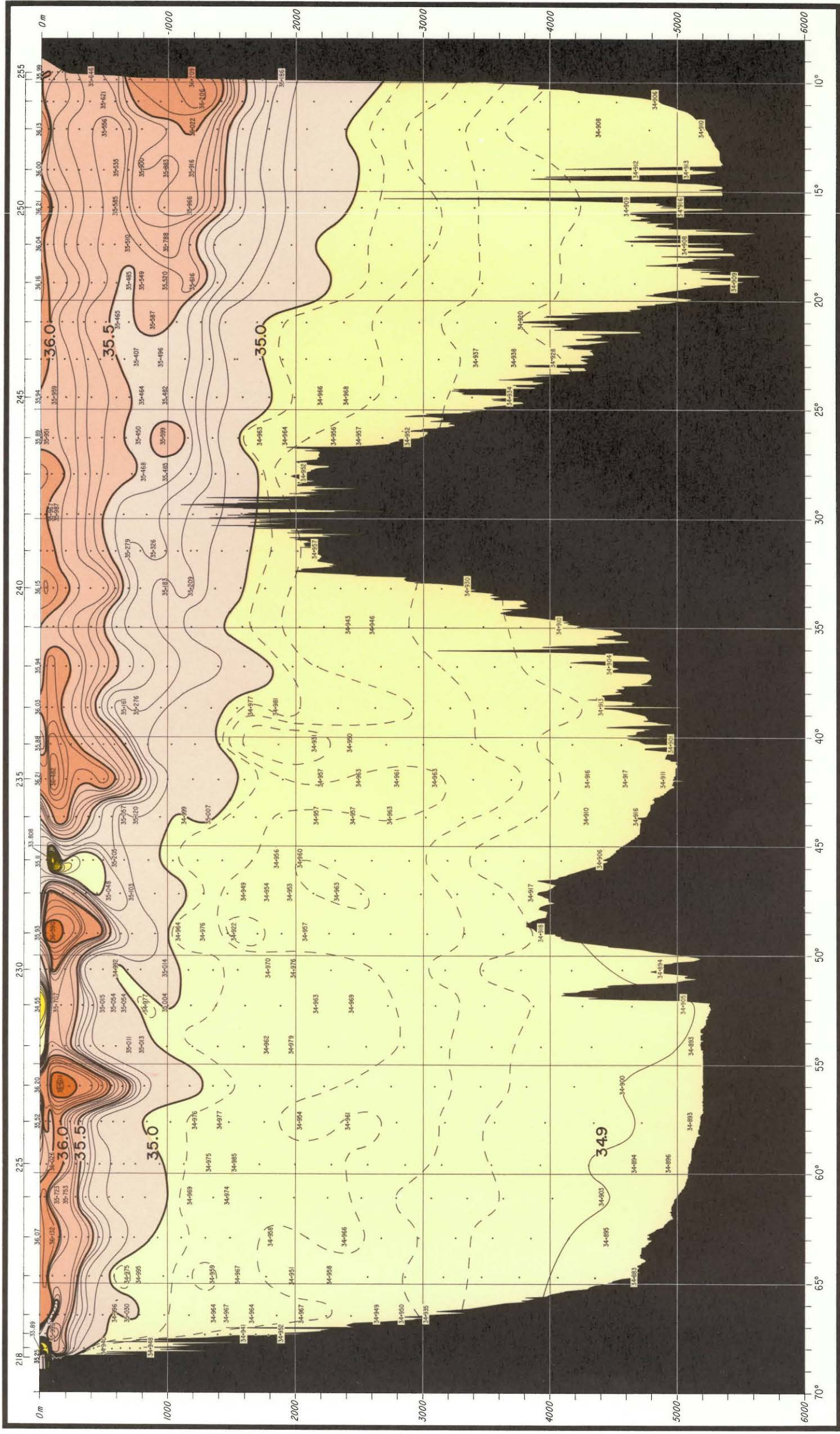
36° N.

SALINITY ‰

0 500 Kilometers

April 19 - May 12, 1959, CHAIN stations 17-77.
North Carolina to Spain.
Mean latitude, 36° 15' N.



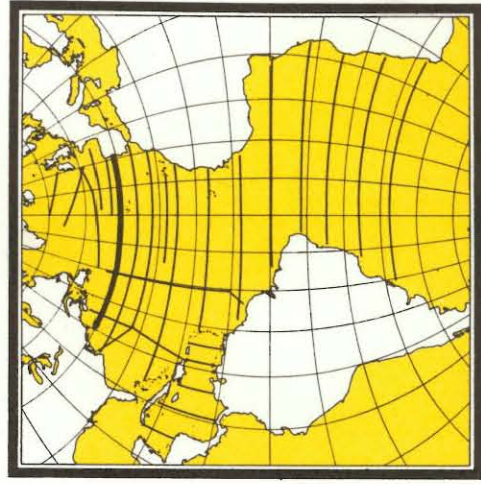


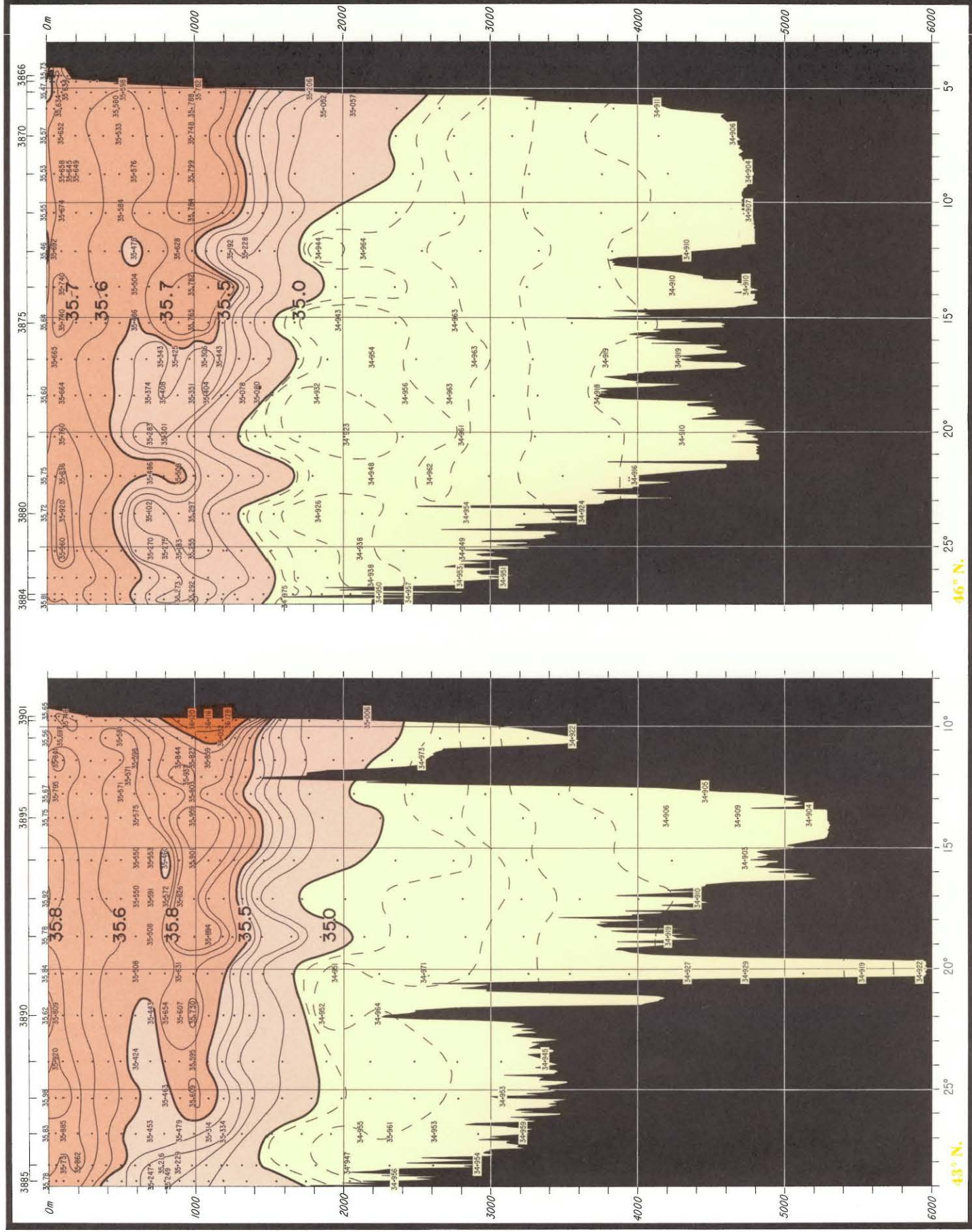
40° N.

SALINITY ‰

0 500 Kilometers

October 2-22, 1957, CRAWFORD stations 218-255.
Georges Bank to Portugal.
Mean latitude, 40° 15' N.





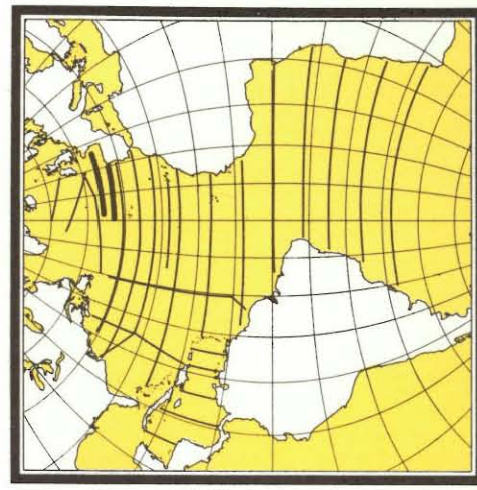
43° N.
46° N.

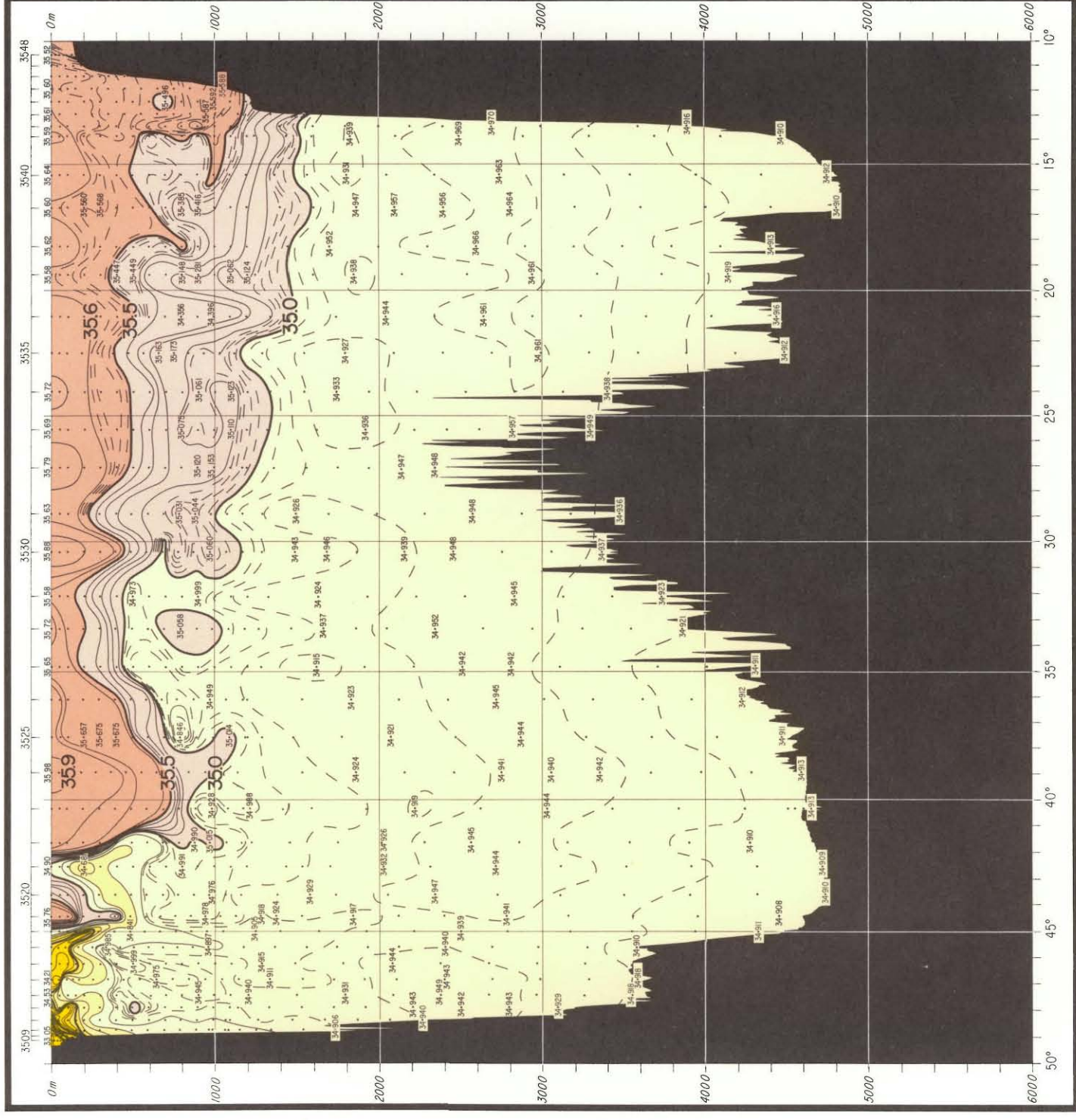
SALINITY ‰

43° N. September 11-16, 1958, DISCOVERY II stations 3885-3901.
Mid-Atlantic Ridge to Cape Finisterre.
Mean latitude, 43° 05' N.

46° N. September 4-10, 1958, DISCOVERY II stations 3866-3884.
Mid-Atlantic Ridge to Bay of Biscay.
Mean latitude, 46° 20' N.

0 500 Kilometers



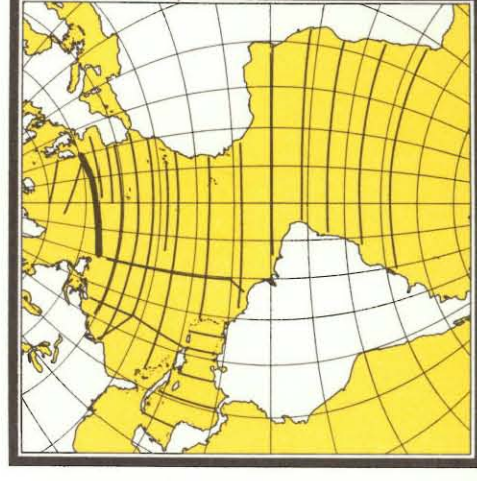


48° N.

SALINITY ‰

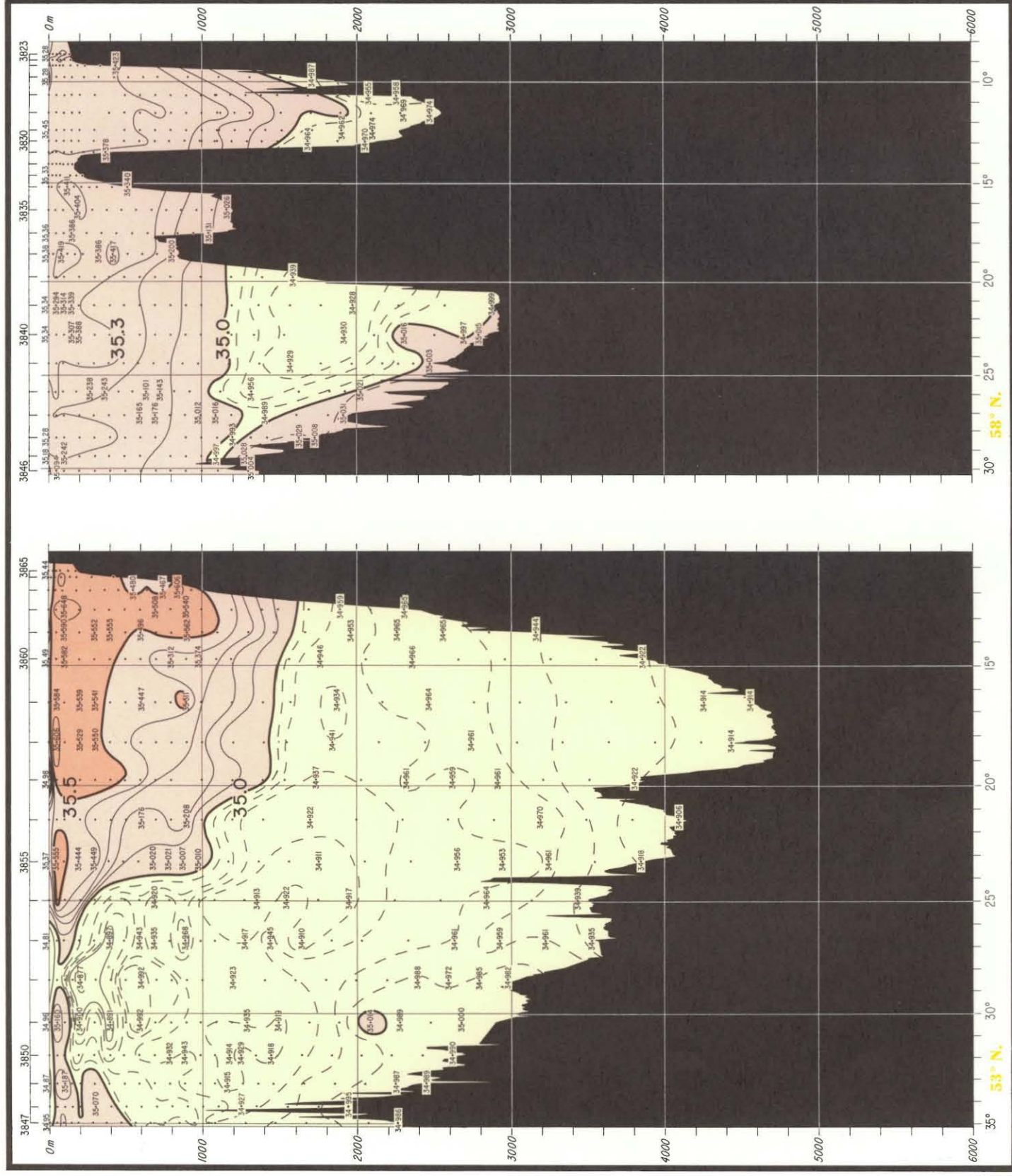
April 16-27, 1957, Discovery II stations 3509-3548.
Grand Banks to offing of English Channel.
From 44° 39' N., 49° 08' W. to 49° 40' N., 10° 34' W.

0 500 Kilometers



53° N.
58° N.

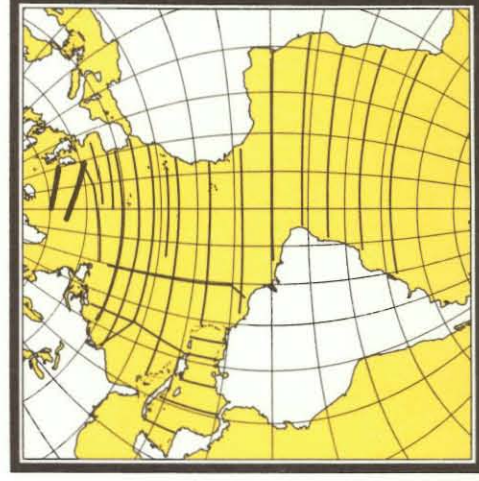
SALINITY ‰



53° N. August 24-30, 1958, Discovery II stations 3847-3865.
Mid-Atlantic Ridge to offing of English Channel.
From 55° 57' N., 34° 59' W. to 49° 19' N., 11° 08' W.

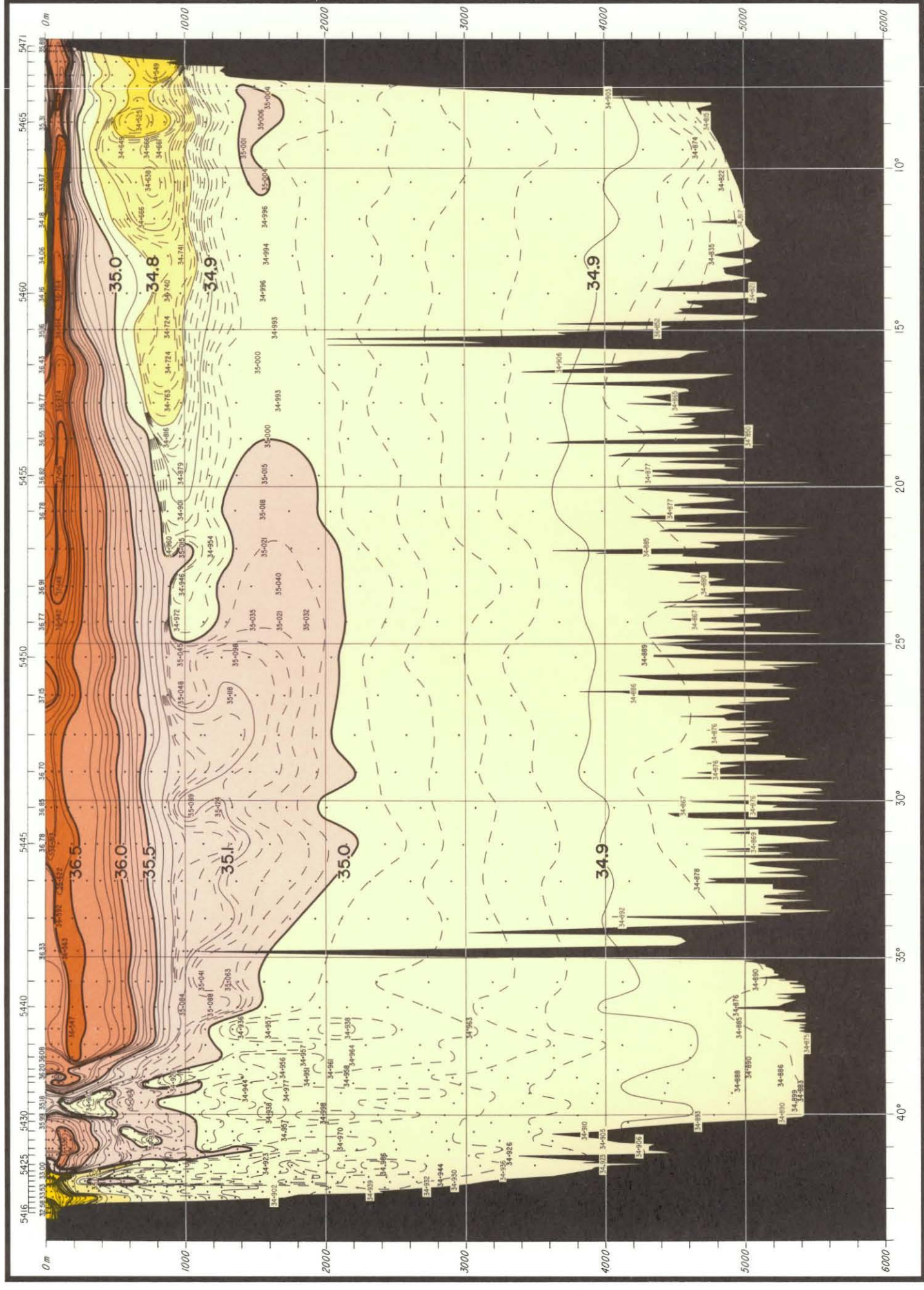
58° N. August 18-22, 1958, Discovery II stations 3823-3846.
Mid-Atlantic Ridge to North Ireland.
From 60° 01' N., 30° 05' W. to 56° 00' N., 8° 40' W.

0 500 Kilometers



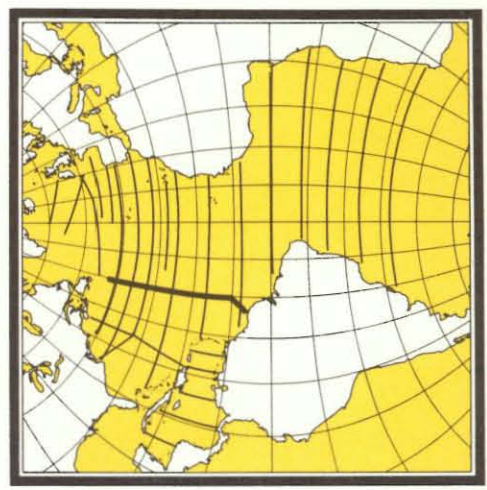
50° W.

SALINITY ‰



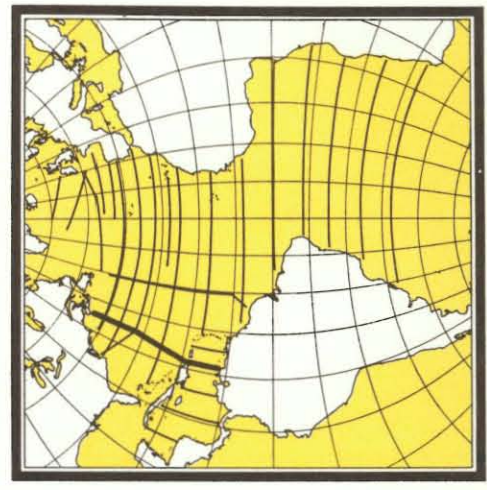
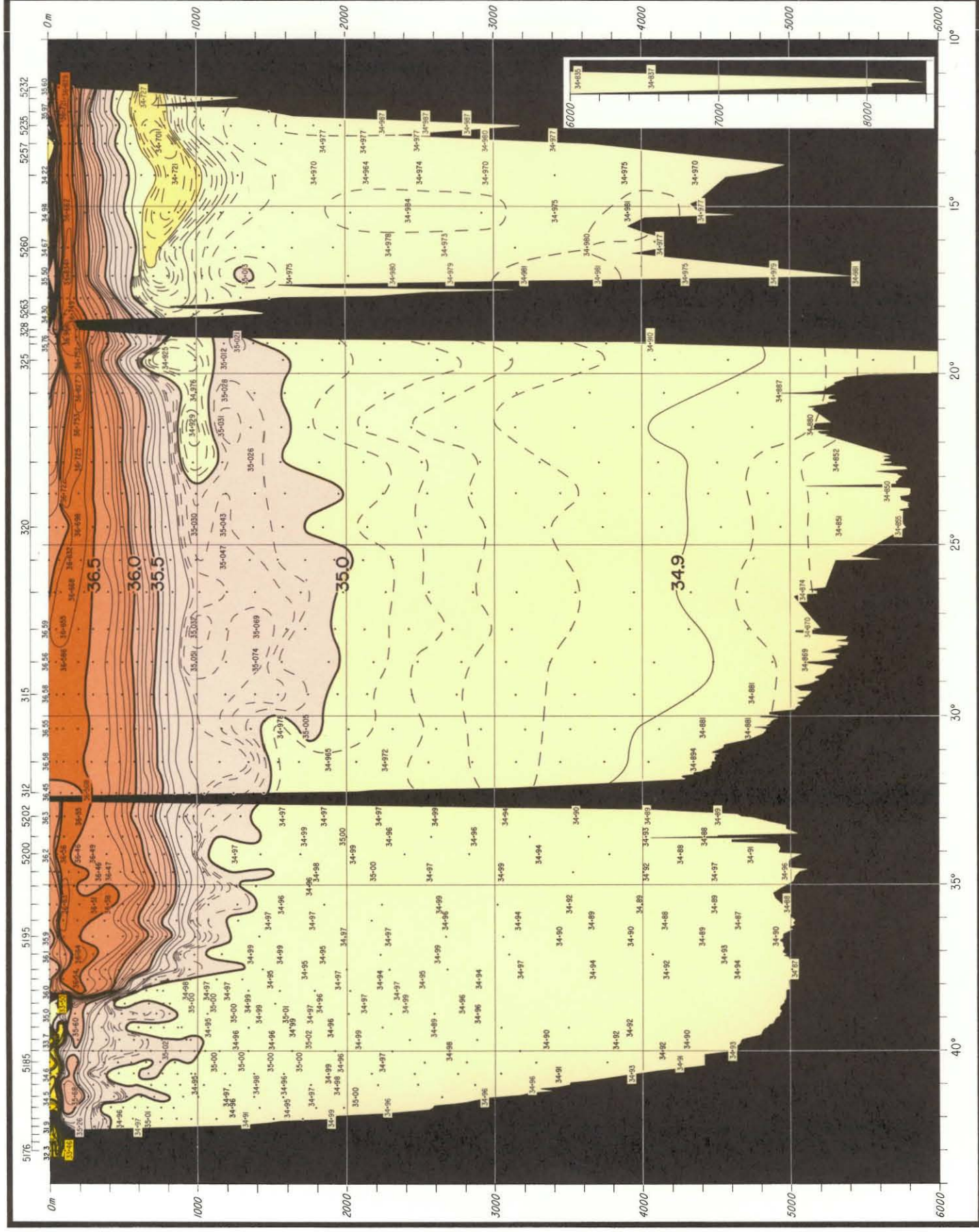
November 12 - December 2, 1956, ATLANTIS stations 5416-5471.
Grand Banks to French Guiana.
Mean longitude, 50° 30' W.

0 500 Kilometers



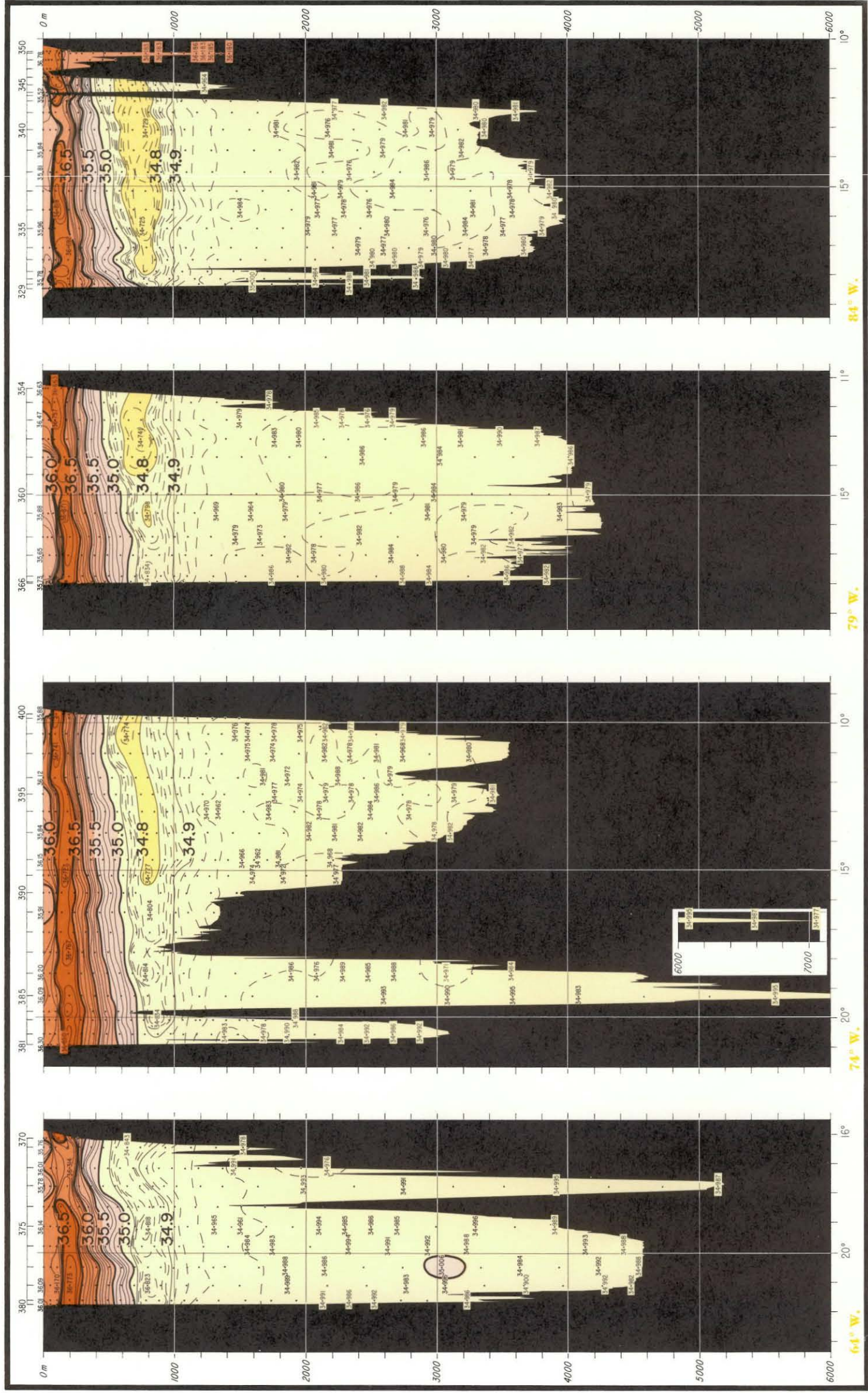
66° W.

SALINITY ‰



September 19-26, 1954, ATLANTIS stations 5176-5202.
 December 6-7, 1954, ATLANTIS stations 5232-5235.
 December 11-13, 1954, ATLANTIS stations 5257-5263.
 February 11-17, 1958, CRAWFORD stations 312-328.
 Nova Scotia to Bermuda to Mona Passage to Venezuela.

0 500 Kilometers



Caribbean Sea

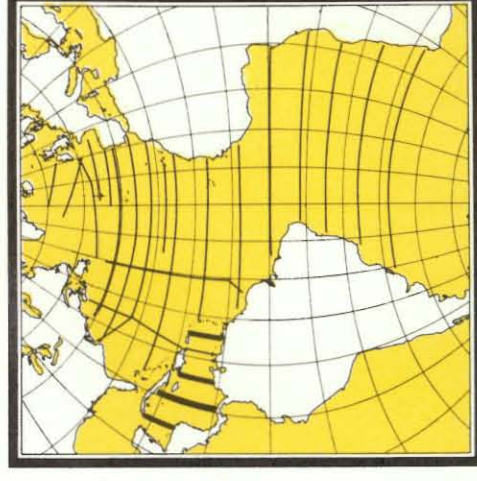
SALINITY ‰

64° W. February 21-25, 1958, CRAWFORD stations 329-350. Virgin Islands to Venezuela. Mean longitude, 64° 30' W.

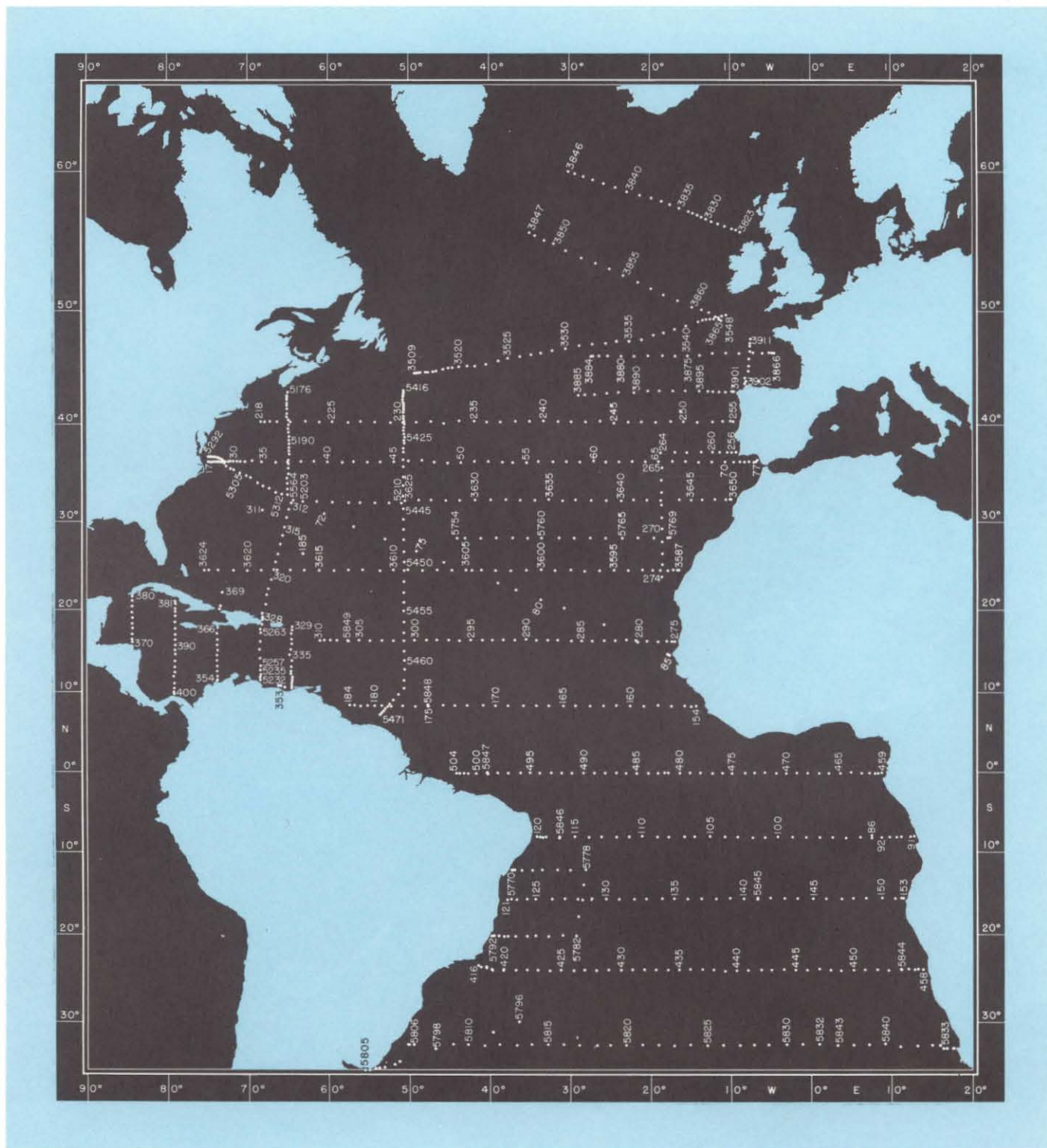
74° W. February 27 - March 4, 1958, CRAWFORD stations 354-369. Haiti to Columbia. Mean longitude, 73° 45' W.

79° W. March 16-20, 1958, CRAWFORD stations 381-400. Cuba to Panama. Mean longitude, 79° 15' W.

84° W. March 13-15, 1958, CRAWFORD stations 370-380. Cuba to Honduras. Mean longitude, 84° 30' W.



STATION DATA



Detailed chart of oceanographic station positions.

STATION # 5208
DATE 15 XI 54
LAT. 31° 54'N
LONG. 54° 07'W
DEPTH 5543 m
GMT 0559

DEPTH m	T oC	S o/oo
1	23.15	36.519
50	23.14	36.517
100	20.64	36.591
199*	18.14	36.472
299	17.76	36.444
399*	17.10	36.339
499	16.06	36.161
598*	14.52	35.922
698	12.39	35.600
798*	10.37	35.386
897	8.30	35.162
997*	6.76	35.118

DEPTH m	T oC	S o/oo
1	22.86	36.392
50	22.91	36.437
100	20.64	36.627
199*	18.28	36.493
299	17.89	36.479
399*	17.32	36.389
499	15.91	36.148
598*	13.93	35.821
698	11.69	35.511
798*	9.17	35.233
897	7.88	35.191
997*	6.67	35.146

DEPTH m	T oC	S o/oo
1	23.87	36.699
44	23.83	36.703
89	20.18	36.542
178*	18.21	36.481
268	17.72	36.445
358*	17.19	36.363
449	16.04	36.173
540*	14.47	35.921
632	12.67	35.653
724*	10.24	35.360
817	8.11	35.167
911*	6.83	35.134

DEPTH m	T oC	S o/oo
1	23.87	36.699
44	23.83	36.703
89	20.18	36.542
178*	18.21	36.481
268	17.72	36.445
358*	17.19	36.363
449	16.04	36.173
540*	14.47	35.921
632	12.67	35.653
724*	10.24	35.360
817	8.11	35.167
911*	6.83	35.134

DEPTH m	T oC	S o/oo
1	27.53	35.604
24	26.44	36.282
73	23.59	36.641
122*	21.34	36.829
171*	16.83	36.239

DEPTH m	T oC	S o/oo
1	27.38	35.522
44	25.66	36.446
109	20.20	36.639
197*	16.59	36.194
285*	13.41	35.640
374	10.02	35.101
464	8.59	34.933
554	7.71	34.818
643	6.35	34.727
734*	5.82	34.740
819	5.09	34.893
1107*	4.54	34.953

STATION # 5210
DATE 16 XI 54
LAT. 32° 01'N
LONG. 50° 44'W
DEPTH ----- m
GMT 1659

DEPTH m	T oC	S o/oo
1	23.87	36.699
44	23.83	36.703
89	20.18	36.542
178*	18.21	36.481
268	17.72	36.445
358*	17.19	36.363
449	16.04	36.173
540*	14.47	35.921
632	12.67	35.653
724*	10.24	35.360
817	8.11	35.167
911*	6.83	35.134

DEPTH m	T oC	S o/oo
1	23.87	36.699
44	23.83	36.703
89	20.18	36.542
178*	18.21	36.481
268	17.72	36.445
358*	17.19	36.363
449	16.04	36.173
540*	14.47	35.921
632	12.67	35.653
724*	10.24	35.360
817	8.11	35.167
911*	6.83	35.134

DEPTH m	T oC	S o/oo
1	27.53	35.604
24	26.44	36.282
73	23.59	36.641
122*	21.34	36.829
171*	16.83	36.239

DEPTH m	T oC	S o/oo
1	27.38	35.522
44	25.66	36.446
109	20.20	36.639
197*	16.59	36.194
285*	13.41	35.640
374	10.02	35.101
464	8.59	34.933
554	7.71	34.818
643	6.35	34.727
734*	5.82	34.740
819	5.09	34.893
1107*	4.54	34.953

STATION # 5232
DATE 6 XII 54
LAT. 11° 26'N
LONG. 68° 34'W
DEPTH 183 m
GMT 2026

DEPTH m	T oC	S o/oo
1	27.53	35.604
24	26.44	36.282
73	23.59	36.641
122*	21.34	36.829
171*	16.83	36.239

STATION # 5234
DATE 7 XII 54
LAT. 12° 10'N
LONG. 68° 35'W
DEPTH 1490 m
GMT 0258

DEPTH m	T oC	S o/oo
1	27.10	35.974
49	25.22	36.421
98	23.11	36.721
147*	18.75	36.518
197	16.32	36.152
295*	12.39	35.464
394	9.83	35.077
492*	7.00	34.759
590	5.66	34.788
688*	4.89	34.916
787	4.47	34.958
886*	4.13	34.975

STATION # 5233
DATE 12 XII 54
LAT. 11° 47'N
LONG. 68° 36'W
DEPTH 1230 m
GMT 2303

DEPTH m	T oC	S o/oo
1	27.38	35.522
44	25.66	36.446
109	20.20	36.639
197*	16.59	36.194
285*	13.41	35.640
374	10.02	35.101
464	8.59	34.933
554	7.71	34.818
643	6.35	34.727
734*	5.82	34.740
819	5.09	34.893
1107*	4.54	34.953

STATION # 5232
DATE 6 XII 54
LAT. 11° 26'N
LONG. 68° 34'W
DEPTH 183 m
GMT 2026

DEPTH m	T oC	S o/oo
1	27.53	35.604
24	26.44	36.282
73	23.59	36.641
122*	21.34	36.829
171*	16.83	36.239

STATION # 5234
DATE 7 XII 54
LAT. 12° 10'N
LONG. 68° 35'W
DEPTH 1490 m
GMT 0258

DEPTH m	T oC	S o/oo
1	27.10	35.974
49	25.22	36.421
98	23.11	36.721
147*	18.75	36.518
197	16.32	36.152
295*	12.39	35.464
394	9.83	35.077
492*	7.00	34.759
590	5.66	34.788
688*	4.89	34.916
787	4.47	34.958
886*	4.13	34.975

STATION # 5233
DATE 12 XII 54
LAT. 11° 47'N
LONG. 68° 36'W
DEPTH 1230 m
GMT 2303

DEPTH m	T oC	S o/oo
1	27.38	35.522
44	25.66	36.446
109	20.20	36.639
197*	16.59	36.194
285*	13.41	35.640
374	10.02	35.101
464	8.59	34.933
554	7.71	34.818
643	6.35	34.727
734*	5.82	34.740
819	5.09	34.893
1107*	4.54	34.953

STATION # 5232
DATE 6 XII 54
LAT. 11° 26'N
LONG. 68° 34'W
DEPTH 183 m
GMT 2026

DEPTH m	T oC	S o/oo
1	27.53	35.604
24	26.44	36.282
73	23.59	36.641
122*	21.34	36.829
171*	16.83	36.239

STATION # 5234
DATE 7 XII 54
LAT. 12° 10'N
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DEPTH 1490 m
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1	27.10	35.974
49	25.22	36.421
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147*	18.75	36.518
197	16.32	36.152
295*	12.39	35.464
394	9.83	35.077
492*	7.00	34.759
590	5.66	34.788
688*	4.89	34.916
787	4.47	34.958
886*	4.13	34.975

STATION # 5233
DATE 12 XII 54
LAT. 11° 47'N
LONG. 68° 36'W
DEPTH 1230 m
GMT 2303

DEPTH m	T oC	S o/oo
1	27.38	35.522
44	25.66	36.446
109	20.20	36.639
197*	16.59	36.194
285*	13.41	35.640
374	10.02	35.101
464	8.59	34.933
554	7.71	34.818
643	6.35	34.727
734*	5.82	34.740
819	5.09	34.893
1107*	4.54	34.953

STATION # 5232
DATE 6 XII 54
LAT. 11° 26'N
LONG. 68° 34'W
DEPTH 183 m
GMT 2026

DEPTH m	T oC	S o/oo
1	27.53	35.604
24	26.44	36.282
73	23.59	36.641
122*	21.34	36.829
171*	16.83	36.239

STATION # 5234
DATE 7 XII 54
LAT. 12° 10'N
LONG. 68° 35'W
DEPTH 1490 m
GMT 0258

DEPTH m	T oC	S o/oo
1	27.10	35.974
49	25.22	36.421
98	23.11	36.721
147*	18.75	36.518
197	16.32	36.152
295*	12.39	35.464
394	9.83	35.077
492*	7.00	34.759
590	5.66	34.788
688*	4.89	34.916
787	4.47	34.958
886*	4.13	34.975

STATION # 5233
DATE 12 XII 54
LAT. 11° 47'N
LONG. 68° 36'W
DEPTH 1230 m
GMT 2303

DEPTH m	T oC	S o/oo
1	27.38	35.522
44	25.66	36.446
109	20.20	36.639
197*	16.59	36.194
285*	13.41	35.640
374	10.02	35.101
464	8.59	34.933
554	7.71	34.818
643	6.35	34.727
734*	5.82	34.740
819	5.09	34.893
1107*	4.54	34.953

STATION # 5232
DATE 6 XII 54
LAT. 11° 26'N
LONG. 68° 34'W
DEPTH 183 m
GMT 2026

DEPTH m	T oC	S o/oo
1	27.53	35.604
24	26.44	36.282
73	23.59	36.641
122*	21.34	36.829
171*	16.83	36.239

STATION # 5234
DATE 7 XII 54
LAT. 12° 10'N
LONG. 68° 35'W
DEPTH 1490 m
GMT 0258

DEPTH m	T oC	S o/oo
1	27.10	35.974
49	25.22	36.421
98	23.11	36.721
147*	18.75	36.518
197	16.32	36.152
295*	12.39	35.464
394	9.83	35.077
492*	7.00	34.759
590	5.66	34.788
688*	4.89	34.916
787	4.47	34.958
886*	4.13	34.975

STATION # 5233
DATE 12 XII 54
LAT. 11° 47'N
LONG. 68° 36'W
DEPTH 1230 m
GMT 2303

DEPTH m	T oC	S o/oo
1	27.38	35.522
44	25.66	36.446
109	20.20	36.639
197*	16.59	36.194
285*	13.41	35.640
374	10.02	35.101
464	8.59	34.933
554	7.71	34.818
643	6.35	34.727
734*	5.82	34.740
819	5.09	34.893
1107*	4.54	34.953

STATION # 5232
DATE 6 XII 54
LAT. 11° 26'N
LONG. 68° 34'

L.A.T. 17° 45'N L.O.N.G. 68° 35'W D.E.P.T.H. 1590 m G.M.T. 0312				L.A.T. 18° 14'N L.O.N.G. 68° 19'W D.E.P.T.H. 1440 m G.M.T. 1006				L.A.T. 36° 49'N L.O.N.G. 74° 55'W D.E.P.T.H. 33 m G.M.T. 0546				L.A.T. 36° 44'N L.O.N.G. 74° 44'W D.E.P.T.H. 97 m G.M.T. 0723				L.A.T. 36° 40'N L.O.N.G. 74° 32'W D.E.P.T.H. 1428 m G.M.T. 0918				L.A.T. 36° 35'N L.O.N.G. 74° 20'W D.E.P.T.H. 1906 m G.M.T. 1138			
D.E.P.T.H. m	T °C	S ‰	o/oo	D.E.P.T.H. m	T °C	S ‰	o/oo	D.E.P.T.H. m	T °C	S ‰	o/oo	D.E.P.T.H. m	T °C	S ‰	o/oo	D.E.P.T.H. m	T °C	S ‰	o/oo	D.E.P.T.H. m	T °C	S ‰	o/oo
1	27.02	34.645	34.304	1	26.95	34.304	34.196	1	18.61	34.229	34.873	1	19.78	33.873	34.035								
44	---	35.930	35.930	40	26.60	35.983	34.471	5	19.74	34.874	34.790	25	19.22	34.790	34.664								
88	24.36	36.547	36.461	81	25.55	36.461	34.568	15	19.21	34.568	34.420	50	14.56	35.169	33.889								
131*	21.16	36.622	36.749	121*	22.97	36.749	33.762	25	---	---	33.450	98*	12.99	35.690	35.696								
175	19.53	36.531	36.749	162	21.29	36.749	---	85	---	---	---	197	9.33	35.188	35.148								
219	18.50	36.451	36.501	242*	18.23	36.501	---	---	---	---	---	294*	6.97	35.066	35.066								
263	---	36.282	36.299	323	16.80	36.299	---	---	---	---	---	393	5.56	35.014	35.022								
350*	15.74	36.111	36.079	404*	15.41	36.079	---	---	---	---	---	491*	4.99	35.002	34.994								
438	13.04	35.631	35.243	607	10.00	35.243	---	---	---	---	---	688	4.33	34.992	34.988								
525	10.26	35.155	34.928	790*	7.07	34.928	---	---	---	---	---	884*	4.02	34.976	34.983								
612	8.55	34.955	34.938	980	5.06	34.938	---	---	---	---	---	1081	3.84	34.969	34.980								
700*	7.56	34.899	34.970	1176*	4.35	34.970	---	---	---	---	---	1375*	3.76	34.963	34.972								
925	5.60	34.891	---	---	---	---	---	---	---	---	---	---	---	---	---								
1112*	4.71	34.946	---	---	---	---	---	---	---	---	---	---	---	---	---								
1298	4.29	34.964	---	---	---	---	---	---	---	---	---	---	---	---	---								
1484*	4.13	34.973	---	---	---	---	---	---	---	---	---	---	---	---	---								

L.A.T. 36° 09'N L.O.N.G. 72° 01'W D.E.P.T.H. 3663 m G.M.T. 0953				L.A.T. 36° 09'N L.O.N.G. 73° 16'W D.E.P.T.H. 3430 m G.M.T. 0517				L.A.T. 36° 03'N L.O.N.G. 73° 01'W D.E.P.T.H. 3663 m G.M.T. 0953				L.A.T. 35° 53'N L.O.N.G. 72° 37'W D.E.P.T.H. 3875 m G.M.T. 1605				L.A.T. 35° 45'N L.O.N.G. 72° 15'W D.E.P.T.H. 4023 m G.M.T. 2108			
D.E.P.T.H. m	T °C	S ‰	o/oo	D.E.P.T.H. m	T °C	S ‰	o/oo	D.E.P.T.H. m	T °C	S ‰	o/oo	D.E.P.T.H. m	T °C	S ‰	o/oo	D.E.P.T.H. m	T °C	S ‰	o/oo
1	23.71	36.251	36.101	1	25.21	36.101	36.520	1	23.71	36.251	36.328	1	23.41	36.328	36.126				
24	23.68	36.255	36.150	21	25.12	36.150	---	24	23.68	36.255	36.325	25	23.39	36.325	36.232				
49	21.58	36.491	---	43	23.01	---	---	49	21.58	36.491	36.521	49	22.81	36.410	36.410				
97	---	36.480	36.509	86	21.77	36.509	---	97	---	36.480	36.576	97*	20.81	36.552	36.552				
194	18.45	36.529	36.528	171	18.39	36.528	---	194	18.45	36.529	36.570	195	18.63	36.545	36.545				
292	---	36.493	36.520	259*	18.15	36.520	---	292	---	36.493	36.515	292*	18.20	36.526	36.526				
388	18.15	36.505	36.458	317	17.99	36.458	---	388	18.15	36.505	36.491	389	18.09	36.521	36.521				
486	17.54	36.415	36.400	409	17.41	36.400	---	486	17.54	36.415	36.409	487*	17.87	36.491	36.491				
583	16.11	36.148	35.700	503	13.21	35.700	---	583	16.11	36.148	36.228	584	17.03	36.344	36.344				
680*	14.15	35.854	35.413	600*	11.04	35.413	---	680*	14.15	35.854	35.951	681*	15.92	36.139	36.139				
777	12.09	35.558	35.132	691	8.69	35.132	---	777	12.09	35.558	35.689	779	13.82	35.798	35.798				
874*	9.86	35.284	35.013	778*	8.26	35.148	---	874*	9.86	35.284	35.398	885*	10.88	35.469	35.469				
871*	9.70	35.271	35.049	932	5.19	35.049	---	871*	9.70	35.271	35.091	990*	8.96	35.147	35.147				
1067	6.25	35.065	35.026	1081*	4.61	35.026	---	1067	6.25	35.065	35.026	1173	6.02	35.060	35.060				
1264*	4.87	35.023	34.995	1230	4.26	34.995	---	1264*	4.87	35.023	35.000	1357*	4.84	35.026	35.026				
1460	4.32	34.995	34.985	1375*	4.05	34.985	---	1460	4.32	34.995	34.984	1631	4.18	34.993	34.993				
1656*	4.04	34.989	34.982	1533	3.89	34.982	---	1656*	4.04	34.989	34.971	1907*	3.83	34.964	34.964				
1950	3.71	34.971	34.969	1694*	3.77	34.971	---	1950	3.71	34.971	34.969	2186	3.67	34.970	34.970				
2047	3.51	34.967	34.965	1942	3.59	34.967	---	2047	3.51	34.967	34.965	2467*	3.49	34.968	34.968				
2245*	3.51	34.967	34.965	2193*	3.45	34.965	---	2245*	3.51	34.967	34.965	2638	3.30	34.962	34.962				
2538	3.27	34.961	34.961	2401	3.23	34.961	---	2538	3.27	34.961	34.962	2754	3.23	34.964	34.964				
2829*	3.00	34.950	34.946	2829*	3.00	34.950	---	2829*	3.00	34.950	34.946	3031*	2.92	34.940	34.940				
3315	2.42	34.920	34.920	3315	2.42	34.920	---	3315	2.42	34.920	34.922	3430	2.52	34.930	34.930				
3663*	2.23	---	---	3663*	2.23	---	---	3663*	2.23	---	---	3913*	2.24	34.909	34.909				

L.A.T. 36° 09'N L.O.N.G. 73° 01'W D.E.P.T.H. 3663 m G.M.T. 0953				L.A.T. 36° 09'N L.O.N.G. 73° 16'W D.E.P.T.H. 3430 m G.M.T. 0517				L.A.T. 36° 03'N L.O.N.G. 73° 01'W D.E.P.T.H. 3663 m G.M.T. 0953				L.A.T. 35° 53'N L.O.N.G. 72° 37'W D.E.P.T.H. 3875 m G.M.T. 1605				L.A.T. 35° 45'N L.O.N.G. 72° 15'W D.E.P.T.H. 4023 m G.M.T. 2108			
D.E.P.T.H. m	T °C	S ‰	o/oo	D.E.P.T.H. m	T °C	S ‰	o/oo	D.E.P.T.H. m	T °C	S ‰	o/oo	D.E.P.T.H. m	T °C	S ‰	o/oo	D.E.P.T.H. m	T °C	S ‰	o/oo
1	23.71	36.251	36.101	1	25.21	36.101	36.520	1	23.71	36.251	36.328	1	23.41	36.328	36.126				
24	23.68	36.255	36.150	21	25.12	36.150	---	24	23.68	36.255	36.325	25	23.39	36.325	36.232				
49	21.58	36.491	---	43	23.01	---	---	49	21.58	36.491	36.521	49	22.81	36.410	36.410				
97	---	36.480	36.509	86	21.77	36.509	---	97	---	36.480	36.576	97*	20.81	36.552	36.552				
194	18.45	36.529	36.528	171	18.39	36.528	---	194	18.45	36.529	36.570	195	18.63	36.545	36.545				
292	---	36.493	36.520	259*	18.15	36.520	---	292	---	36.493	36.515	292*	18.20	36.526	36.526				
388	18.15	36.505	36.458	317	17.99	36.458	---	388	18.15	36.505	36.491	389	18.09	36.521	36.521				
486	17.54	36.415	36.400	409	17.41	36.400	---	486	17.54	36.415	36.409	487*	17.87	36.491	36.491				
583	16.11	36.148	35.700	503	13.21	35.700	---	583	16.11	36.148	36.228	584	17.03	36.344	36.344				
680*	14.15	35.854	35.413	600*	11.04	35.413	---	680*	14.15	35.854	35.951	681*	15.92	36.139	36.139				
777	12.09	35.558	35.132	691	8.69	35.132	---	777	12.09	35.558	35.689	779	13.82	35.798	35.798				
874*	9.86	35.284	35.013	778*	8.26	35.148	---	874*	9.86	35.284	35.398	885*	10.88	35.469	35.469				
871*	9.70	35.271	35.049	932	5.19	35.049	---	871*	9.70	35.271	35.091	990*	8.96	35.147	35.147				
1067	6.25	35.065	35.026	1081*	4.61	35.026	---	1067	6.25	35.065	35.026	1173	6.02	35.060	35.060				
1264*	4.87	35.023	34.995	1230	4.26	34.995	---	1264*	4.87	35.023	35.000	1357*	4.84	35.026	35.026				
1460	4.32	34.995	34.985	1375*	4.05	34.985	---	1460	4.32	34.995	34.984	1631	4.18	34.993	34.993				
1656*	4.04	34.989	34.982	1533	3.89	34.982	---	1656*	4.04	34.989	34.971	1907*	3.83	34.964	34.964				
1950	3.71	34.971	34.969	1694*	3.77	34.971	---	1950	3.71	34.971	34.969	2186	3.67	34.970	34.970				
2047	3.51	34.967	34.965	1942	3.59	34.967	---	2047	3.51	34.967	34.965	2467*	3.49	34.968	34.968				
2245*	3.51	34.967	34.965	2193*	3.45	34.965	---	2245*	3.51	34.967	34.965	2638	3.30	34.962	34.962				
2538	3.27	34.961	34.961	2401	3.23	34.961	---	2538	3.27	34.961	34.962	2754	3.23	34.964	34.964				
2829*	3.00	34.950	34.946	2829*	3.00	34.950	---	2829*	3.00	34.950	34.946	3031*	2.92	34.940	34.940				
3315	2.42	34.920	34.920	3315	2.42	34.920	---	3315	2.42	34.920	34.922	3430	2.52	34.930	34.930				
3663*	2.23	---	---	3663*	2.23	---	---	3663*	2.23	---	---	3913*	2.24	34.909	34.909				

STATION #	DATE	LAT.	LONG.	DEPTH	GMT	DEPTH	T °C	S o/oo
5437	17 XI 56	38° 11'N	50° 31'W	5420 m	0121	1	20.41	36.077
5438	17 XI 56	37° 46'N	50° 31'W	5438 m	0856	1	20.99	36.211
5439	17 XI 56	37° 16'N	50° 31'W	5435 m	1609	1	20.69	36.269
5440	18 XI 56	36° 35'N	50° 30'W	4935 m	0118	1	20.59	36.272
5441	18 XI 56	35° 46'N	50° 30'W	5300 m	1136	1	20.52	36.258
5442	19 XI 56	34° 48'N	50° 32'W	1097 m	0015	1	20.56	36.332
5443	19 XI 56	33° 45'N	50° 32'W	4280 m	0850	1	20.98	36.341
5444	19 XI 56	32° 32'N	50° 31'W	4750 m	2103	1	21.27	36.333
5445	20 XI 56	31° 22'N	50° 34'W	5260 m	0841	1	22.40	36.781
5446	20 XI 56	30° 13'N	50° 34'W	5100 m	2210	1	22.71	36.846
5447	21 XI 56	29° 04'N	50° 29'W	4797 m	1021	1	22.76	36.701
5448	21 XI 56	27° 54'N	50° 32'W	5040 m	2107	1	23.28	36.763
5449	23 XI 56	26° 38'N	50° 32'W	4260 m	0416	1	24.81	37.153
5450	23 XI 56	25° 26'N	50° 34'W	---	1541	1	25.07	36.996
5451	24 XI 56	24° 18'N	50° 31'W	---	0435	1	25.23	36.773
5452	24 XI 56	23° 10'N	50° 29'W	---	1742	1	25.67	36.913
5453	25 XI 56	22° 04'N	50° 30'W	---	0850	1	25.99	36.846
5454	25 XI 56	20° 55'N	50° 31'W	---	0856	1	20.99	36.211
5455	25 XI 56	19° 37'N	50° 30'W	---	0121	1	20.41	36.077
5456	25 XI 56	18° 18'N	50° 31'W	---	0856	1	20.99	36.211
5457	25 XI 56	17° 00'N	50° 32'W	---	0850	1	20.98	36.341
5458	25 XI 56	15° 42'N	50° 33'W	---	0841	1	22.40	36.781
5459	25 XI 56	14° 24'N	50° 34'W	---	0841	1	22.40	36.781
5460	25 XI 56	13° 06'N	50° 35'W	---	0841	1	22.40	36.781
5461	25 XI 56	11° 48'N	50° 36'W	---	0841	1	22.40	36.781
5462	25 XI 56	10° 30'N	50° 37'W	---	0841	1	22.40	36.781
5463	25 XI 56	9° 12'N	50° 38'W	---	0841	1	22.40	36.781
5464	25 XI 56	7° 54'N	50° 39'W	---	0841	1	22.40	36.781
5465	25 XI 56	6° 36'N	50° 40'W	---	0841	1	22.40	36.781
5466	25 XI 56	5° 18'N	50° 41'W	---	0841	1	22.40	36.781
5467	25 XI 56	4° 00'N	50° 42'W	---	0841	1	22.40	36.781
5468	25 XI 56	2° 42'N	50° 43'W	---	0841	1	22.40	36.781
5469	25 XI 56	1° 24'N	50° 44'W	---	0841	1	22.40	36.781
5470	25 XI 56	0° 06'N	50° 45'W	---	0841	1	22.40	36.781
5471	25 XI 56	0° 00'N	50° 46'W	---	0841	1	22.40	36.781
5472	25 XI 56	0° 00'N	50° 47'W	---	0841	1	22.40	36.781
5473	25 XI 56	0° 00'N	50° 48'W	---	0841	1	22.40	36.781
5474	25 XI 56	0° 00'N	50° 49'W	---	0841	1	22.40	36.781
5475	25 XI 56	0° 00'N	50° 50'W	---	0841	1	22.40	36.781
5476	25 XI 56	0° 00'N	50° 51'W	---	0841	1	22.40	36.781
5477	25 XI 56	0° 00'N	50° 52'W	---	0841	1	22.40	36.781
5478	25 XI 56	0° 00'N	50° 53'W	---	0841	1	22.40	36.781
5479	25 XI 56	0° 00'N	50° 54'W	---	0841	1	22.40	36.781
5480	25 XI 56	0° 00'N	50° 55'W	---	0841	1	22.40	36.781
5481	25 XI 56	0° 00'N	50° 56'W	---	0841	1	22.40	36.781
5482	25 XI 56	0° 00'N	50° 57'W	---	0841	1	22.40	36.781
5483	25 XI 56	0° 00'N	50° 58'W	---	0841	1	22.40	36.781
5484	25 XI 56	0° 00'N	50° 59'W	---	0841	1	22.40	36.781
5485	25 XI 56	0° 00'N	50° 00'W	---	0841	1	22.40	36.781
5486	25 XI 56	0° 00'N	50° 01'W	---	0841	1	22.40	36.781
5487	25 XI 56	0° 00'N	50° 02'W	---	0841	1	22.40	36.781
5488	25 XI 56	0° 00'N	50° 03'W	---	0841	1	22.40	36.781
5489	25 XI 56	0° 00'N	50° 04'W	---	0841	1	22.40	36.781
5490	25 XI 56	0° 00'N	50° 05'W	---	0841	1	22.40	36.781
5491	25 XI 56	0° 00'N	50° 06'W	---	0841	1	22.40	36.781
5492	25 XI 56	0° 00'N	50° 07'W	---	0841	1	22.40	36.781
5493	25 XI 56	0° 00'N	50° 08'W	---	0841	1	22.40	36.781
5494	25 XI 56	0° 00'N	50° 09'W	---	0841	1	22.40	36.781
5495	25 XI 56	0° 00'N	50° 10'W	---	0841	1	22.40	36.781
5496	25 XI 56	0° 00'N	50° 11'W	---	0841	1	22.40	36.781
5497	25 XI 56	0° 00'N	50° 12'W	---	0841	1	22.40	36.781
5498	25 XI 56	0° 00'N	50° 13'W	---	0841	1	22.40	36.781
5499	25 XI 56	0° 00'N	50° 14'W	---	0841	1	22.40	36.781
5500	25 XI 56	0° 00'N	50° 15'W	---	0841	1	22.40	36.781
5501	25 XI 56	0° 00'N	50° 16'W	---	0841	1	22.40	36.781
5502	25 XI 56	0° 00'N	50° 17'W	---	0841	1	22.40	36.781
5503	25 XI 56	0° 00'N	50° 18'W	---	0841	1	22.40	36.781
5504	25 XI 56	0° 00'N	50° 19'W	---	0841	1	22.40	36.781
5505	25 XI 56	0° 00'N	50° 20'W	---	0841	1	22.40	36.781
5506	25 XI 56	0° 00'N	50° 21'W	---	0841	1	22.40	36.781
5507	25 XI 56	0° 00'N	50° 22'W	---	0841	1	22.40	36.781
5508	25 XI 56	0° 00'N	50° 23'W	---	0841	1	22.40	36.781
5509	25 XI 56	0° 00'N	50° 24'W	---	0841	1	22.40	36.781
5510	25 XI 56	0° 00'N	50° 25'W	---	0841	1	22.40	36.781
5511	25 XI 56	0° 00'N	50° 26'W	---	0841	1	22.40	36.781
5512	25 XI 56	0° 00'N	50° 27'W	---	0841	1	22.40	36.781
5513	25 XI 56	0° 00'N	50° 28'W	---	0841	1	22.40	36.781
5514	25 XI 56	0° 00'N	50° 29'W	---	0841	1	22.40	36.781
5515	25 XI 56	0° 00'N	50° 30'W	---	0841	1	22.40	36.781
5516	25 XI 56	0° 00'N	50° 31'W	---	0841	1	22.40	36.781
5517	25 XI 56	0° 00'N	50° 32'W	---	0841	1	22.40	36.781
5518	25 XI 56	0° 00'N	50° 33'W	---	0841	1	22.40	36.781
5519	25 XI 56	0° 00'N	50° 34'W	---	0841	1	22.40	36.781
5520	25 XI 56	0° 00'N	50° 35'W	---	0841	1	22.40	36.781
5521	25 XI 56	0° 00'N	50° 36'W	---	0841	1	22.40	36.781
5522	25 XI 56	0° 00'N	50° 37'W	---	0841	1	22.40	36.781
5523	25 XI 56	0° 00'N	50° 38'W	---	0841	1	22.40	36.781
5524	25 XI 56	0° 00'N	50° 39'W	---	0841	1	22.40	36.781
5525	25 XI 56	0° 00'N	50° 40'W	---	0841	1	22.40	36.781
5526	25 XI 56	0° 00'N	50° 41'W	---	0841	1	22.40	36.781
5527	25 XI 56	0° 00'N	50° 42'W	---	0841	1	22.40	36.781
5528	25 XI 56	0° 00'N	50° 43'W	---	0841	1	22.40	36.781
5529	25 XI 56	0° 00'N	50° 44'W	---	0841	1	22.40	36.781
5530	25 XI 56	0° 00'N	50° 45'W	---	0841	1	22.40	36.781
5531	25 XI 56	0° 00'N	50° 46'W	---	0841	1	22.40	36.781
5532	25 XI 56	0° 00'N	50° 47'W	---	0841	1	22.40	36.781
5533	25 XI 56	0° 00'N	50° 48'W	---	0841	1	22.40	36.781
5534	25 XI 56	0° 00'N	50° 49'W	---	0841	1	22.40	36.781
5535	25 XI 56	0° 00'N	50° 50'W	---	0841	1	22.40	36.781
5536	25 XI 56	0° 00'N	50° 51'W	---	0841	1	22.40	36.781
5537	25 XI 56	0° 00'N	50° 52'W	---	0841	1	22.40	36.781
5538	25 XI 56	0° 00'N	50° 53'W	---	0841	1	22.40	36.781
5539	25 XI 56	0° 00'N	50° 54'W	---	0841	1	22.40	36.781
5540	25 XI 56	0° 00'N	50° 55'W	---	0841	1	22.40	36.781
5541	25 XI 56	0° 00'N	50° 56'W	---	0841	1	22.40	36.781
5542	25 XI 56	0° 00'N	50° 57'W	---	0841	1	22.40	36.781
5543	25 XI 56	0° 00'N	50° 58'W	---	0841	1	22.40	36.781
5544	25 XI 56	0° 00'N	50° 59'W	---	0841	1	22.40	36.781
5545	25 XI 56	0° 00'N	50° 00'W	---	0841	1	22.40	36.781
5546	25 XI 56	0° 00'N	50° 01'W	---	0841	1	22.40	36.781
5547	25 XI 56	0° 00'N	50° 02'W	---	0841	1	22.40	36.781
5548	25 XI 56	0° 00'N	50° 03'W	---	0841	1	22.40	36.781
5549	25 XI 56	0° 00'N	50° 04'W	---	0841	1	22.40	36.781
5550	25 XI 56	0° 00'N	50° 05'W	---	0841	1	22.40	36.781
5551	25 XI 56	0° 00'N	50° 06'W	---	0841	1	22.40	36.781
5552	25 XI 56	0° 00'N	50° 07'W	---	0841	1	22.40	36.781
5553	25 XI 56	0° 00'N	50° 08'W	---	0841	1	22.40	36.781
5554	25 XI 56	0° 00'N	50° 09'W	---	0841	1	22.40	36.781
5555	25 XI 56	0° 00'N	50° 10'W	---	0841	1	22.40	36.781
5556	25 XI 56	0° 00'N</						

LAT. 21° 58'N	LAT. 20° 46'N	LAT. 19° 39'N	LAT. 18° 27'N	LAT. 17° 20'N	LAT. 16° 07'N	LAT. 14° 58'N	LAT. 13° 49'N
LONG. 50° 30'W	LONG. 50° 33'W	LONG. 50° 32'W	LONG. 50° 32'W	LONG. 50° 32'W	LONG. 50° 28'W	LONG. 50° 27'W	LONG. 50° 28'W
DEPTH 4720 m	DEPTH 4930 m	DEPTH 4320 m	DEPTH 5006 m	DEPTH 4510 m	DEPTH 3700 m	DEPTH 4410 m	DEPTH 5140 m
GMT 0508	GMT 1715	GMT 0505	GMT 1658	GMT 0426	GMT 1657	GMT 0413	GMT 1550
DEPTH m	DEPTH m	DEPTH m	DEPTH m	DEPTH m	DEPTH m	DEPTH m	DEPTH m
T °C	T °C	T °C	T °C	T °C	T °C	T °C	T °C
S o/oo	S o/oo	S o/oo	S o/oo	S o/oo	S o/oo	S o/oo	S o/oo
1	26.03	26.47	26.55	25.81	26.79	26.49	27.13
49	26.06	26.43	26.42	25.76	25.76	26.64	26.85
98	24.51	24.21	24.43	21.74	21.74	23.98	20.97
147*	22.81	21.14	21.72	19.24	19.24	18.54	18.15
196	20.33	19.20	18.92	17.23	17.23	14.72	14.80
294*	17.61	17.48	15.77	14.61	14.61	12.22	11.29
393	15.70	16.01	13.27	12.18	12.18	10.31	10.33
491*	13.50	13.96	11.12	9.41	9.41	7.66	9.23
589	11.93	11.93	9.72	8.22	8.22	6.80	8.36
687	---	9.83	8.52	6.99	6.99	6.74	7.61
786	8.10	7.86	7.28	6.17	6.17	5.66	6.52
884*	6.69	6.50	6.09	5.67	5.67	5.50	5.86
982	5.91	5.98	5.78	5.38	5.38	5.16	5.44
1178*	5.26	5.30	5.37	5.13	5.13	4.84	5.08
1367*	4.84	4.71	4.71	4.76	4.69	4.84	4.71
1569	4.39	4.33	4.30	4.09	4.23	4.12	4.26
1753*	4.06	4.01	3.78	3.63	3.73	3.61	3.71
1948	3.81	3.54	3.34	3.35	3.47	3.28	3.35
2240*	3.31	3.49	3.05	3.04	3.04	3.13	3.13
2532	3.03	2.85	2.85	2.85	2.85	3.00	2.81
2922*	2.80	2.66	2.67	2.59	2.59	2.80	2.65
3488	2.60	2.42	2.48	2.61	2.61	2.67	2.45
3805*	2.32	2.23	2.20	2.42	2.42	2.50	2.29
4289	2.20	2.17	2.13	2.25	2.39	2.30	1.87
4310*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4311*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4312*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4313*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4314*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4315*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4316*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4317*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4318*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4319*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4320*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4321*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4322*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4323*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4324*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4325*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4326*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4327*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4328*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4329*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4330*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4331*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4332*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4333*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4334*	2.12	2.12	2.11	2.11	2.11	1.94	1.81
4335*	2.12	2.12	2.11	2.11	2.11	1.94	1.81

STATION # 5461	STATION # 5462	STATION # 5463	STATION # 5464	STATION # 5465	STATION # 5466	STATION # 5467	STATION # 5468
DATE 29 XI 56	DATE 29 XI 56	DATE 30 XI 56	DATE 30 XI 56	DATE 1 XII 56	DATE 1 XII 56	DATE 1 XII 56	DATE 1 XII 56
LAT. 12° 38'N	LAT. 11° 27'N	LAT. 10° 17'N	LAT. 09° 35'N	LAT. 8° 56'N	LAT. 8° 29'N	LAT. 8° 08'N	LAT. 7° 50'N
LONG. 50° 31'W	LONG. 50° 34'W	LONG. 50° 31'W	LONG. 51° 14'W	LONG. 51° 53'W	LONG. 52° 23'W	LONG. 52° 41'W	LONG. 52° 54'W
DEPTH 4830 m	DEPTH 5010 m	DEPTH 4920 m	DEPTH 4820 m	DEPTH 4729 m	DEPTH 4080 m	DEPTH 1250 m	DEPTH 1250 m
GMT 0359	GMT 1558	GMT 0351	GMT 1431	GMT 0023	GMT 0809	GMT 1314	GMT 1759
DEPTH m	DEPTH m	DEPTH m	DEPTH m	DEPTH m	DEPTH m	DEPTH m	DEPTH m
T °C	T °C	T °C	T °C	T °C	T °C	T °C	T °C
S o/oo	S o/oo	S o/oo	S o/oo	S o/oo	S o/oo	S o/oo	S o/oo
1	26.92	27.65	27.27	27.58	27.46	27.83	27.81
49	26.90	26.49	27.20	26.43	26.15	27.44	27.63
98	21.63	20.39	20.37	20.51	19.20	23.22	25.83
147*	17.82	15.83	13.5*	14.85	14.25	16.28	23.32
196	14.26	13.66	12.55	11.75	11.42	15.99	23.32
294*	11.00	10.87	9.81	9.29	8.89	10.61	15.25
392	9.63	8.99	8.61	8.89	8.89	24.1*	15.25
490*	8.94	8.61	8.61	8.61	8.61	24.1*	15.25
588	8.94	8.61	8.61	8.61	8.61	24.1*	15.25
686*	8.94	8.61	8.61	8.61	8.61	24.1*	15.25
784	8.13	7.88	7.42	7.26	7.26	24.1*	15.25
881*	5.60	5.10	5.12	5.55	5.21	24.1*	15.25
979	5.31	4.97	5.02	4.91	4.90	24.1*	15.25
1173*	4.96	4.89	4.86	4.83	4.84	24.1*	15.25
1369*	4.58	4.49	4.65	4.74	4.68	24.1*	15.25
1582	4.17	4.07	4.14	4.30	4.31	24.1*	15.25
1770*	3.77	3.60	3.63	3.82	3.83	24.1*	15.25
2056*	3.42	3.42	3.28	3.55	3.50	24.1*	15.25
2342	3.16	3.23	3.23	3.27	3.04	24.1*	15.25
2632	2.94	2.88	2.82	2.97	2.75	24.1*	15.25
2922*	2.73	2.48	2.48	2.48	2.49	24.1*	15.25
3309	2.56	2.31	2.31	2.31	2.31	24.1*	15.25
3796*	2.33	2.07	2.07	2.30	2.21	24.1*	15.25
4285	2.19	1.73	1.73	1.73	1.76	24.1*	15.25
4770*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4771*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4772*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4773*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4774*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4775*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4776*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4777*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4778*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4779*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4780*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4781*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4782*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4783*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4784*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4785*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4786*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4787*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4788*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4789*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4790*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4791*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4792*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4793*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4794*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4795*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4796*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4797*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4798*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4799*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4800*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4801*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4802*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4803*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4804*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4805*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4806*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4807*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4808*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4809*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4810*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4811*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4812*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4813*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4814*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4815*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4816*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4817*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4818*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4819*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4820*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4821*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4822*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4823*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4824*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4825*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4826*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4827*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4828*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4829*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4830*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
4831*	1.81	1.69	1.69	1.69	1.67	24.1*	15.25
48							

STATION # 5469
DATE 1 XII 56
LAT. 7° 29'N
LONG. 53° 09'W
DEPTH 770 m
GMT 2126

DEPTH m	T °C	S ‰
1	27.67	35.474
19	27.45	35.988
37	26.79	36.119
73*	25.95	36.176
108	24.04	36.224
143*	20.70	36.056?
212	12.43	35.407
281*	9.66	34.970
353	8.32	34.803
429*	7.54	34.706
512	6.59	34.645
598*	5.84	34.589

STATION # 5470
DATE 2 XII 56
LAT. 7° 15'N
LONG. 53° 22'W
DEPTH 245 m
GMT 0013

DEPTH m	T °C	S ‰
1	27.75	35.692
21	27.18	36.039
41	26.50	36.135
62*	26.08	36.172
83	25.19	36.203
126*	22.99	36.164
169	14.38	35.745
213*	11.04	35.162

STATION # 5471
DATE 2 XII 56
LAT. 7° 09'N
LONG. 53° 28'W
DEPTH 144 m
GMT 0140

DEPTH m	T °C	S ‰
1	27.83	35.875
23	27.07	36.070
47	26.36	36.169
70*	25.57	36.187
93	24.84	36.205
116*	22.78	36.149
140*	16.12	35.968

STATION # 5564
DATE 22 IV 57
LAT. 32° 15'N
LONG. 64° 30'W
DEPTH 2979
GMT 2161

DEPTH m	T °C	S ‰
1	20.96	36.735
48	20.53	36.712
95	20.15	36.673
190	18.45	36.527
286*	17.92	36.474
382	17.56	36.418
478	16.74	36.279
574*	15.35	36.048
671	13.54	35.769
770	10.93	35.412
868	---	35.239
967	7.38	35.126
1067	6.17	35.081
1167*	5.52	35.134?
1345*	4.64	35.031
1445	4.44	35.032
1542	4.19	35.004
1641*	4.03	34.994
1739	3.90	34.988
1836	3.72	34.987
2134*	3.56	34.981
2333	3.33	34.971
2532*	3.19	34.965
2733	3.01	34.957
2934*	2.82	34.946

STATION # 5472
DATE 2 XII 56
LAT. 7° 09'N
LONG. 53° 28'W
DEPTH 144 m
GMT 0140

DEPTH m	T °C	S ‰
1	27.83	35.875
23	27.07	36.070
47	26.36	36.169
70*	25.57	36.187
93	24.84	36.205
116*	22.78	36.149
140*	16.12	35.968

STATION # 5473
DATE 2 XII 56
LAT. 7° 09'N
LONG. 53° 28'W
DEPTH 144 m
GMT 0140

DEPTH m	T °C	S ‰
1	27.83	35.875
23	27.07	36.070
47	26.36	36.169
70*	25.57	36.187
93	24.84	36.205
116*	22.78	36.149
140*	16.12	35.968

STATION # 5474
DATE 2 XII 56
LAT. 7° 09'N
LONG. 53° 28'W
DEPTH 144 m
GMT 0140

DEPTH m	T °C	S ‰
1	27.83	35.875
23	27.07	36.070
47	26.36	36.169
70*	25.57	36.187
93	24.84	36.205
116*	22.78	36.149
140*	16.12	35.968

STATION # 5475
DATE 13 II, 14 II 59
LAT. 28° 16'N
LONG. 39° 18'W
DEPTH 3890 m
GMT 0103 BT 212

DEPTH m	T °C	S ‰
1	21.47	36.956
40	20.45	36.860
80	20.33	36.828
155	19.13	36.672
235	17.64	36.424
310	16.56	36.255
395*	15.23	36.032
475	14.05	35.869
555*	12.63	35.674
640	11.35	35.517
730*	10.00	35.388
860	7.80	35.172
1105*	6.12	35.076
1335*	5.59	35.124
1525	5.02	35.116
1720*	4.36	35.062
2015	3.80	35.018
2305*	3.40	34.971
2600	3.13	34.951
2895*	2.86	34.937
3440	2.65	34.903
3890*	2.53	34.891

Mud in bottom bottle.

STATION # 5476
DATE 14 II 59
LAT. 28° 15'N
LONG. 37° 11'W
DEPTH 4160 m
GMT 2037 BT 213

DEPTH m	T °C	S ‰
1	20.40	36.859
40	20.45	36.860
80	20.33	36.828
165	17.93	36.431
250*	17.45	36.371
335	16.57	36.263
420*	14.70	35.951
505	13.46	35.777
595*	12.36	35.706
685	11.31	35.526
770*	10.43	35.422
910	8.42	35.305
1150*	7.18	35.289
1250*	6.31	35.237
1420	5.65	35.201
1670*	4.77	35.120
1940	4.02	35.047
2210	3.56	34.997
2535	3.16	34.964
2935*	2.84	34.926
3310	2.65	34.906
3745*	2.51	34.888

STATION # 5477
DATE 15 II 59
LAT. 28° 16'N
LONG. 35° 21'W
DEPTH 5373 m
GMT 1157 BT 224

DEPTH m	T °C	S ‰
1	20.27	36.758
50	20.16	36.765
100	19.97	36.765
195	18.01	36.507
295*	16.57	36.246
390	14.92	35.979
490*	13.61	35.799
590	11.91	35.570
685*	10.61	35.443
785	9.40	35.346
885*	8.14	35.244
980	7.27	35.154
1180*	6.66	35.197
1375*	6.04	35.257
1570	5.13	35.166
1870*	4.24	35.067
2165	3.68	34.996
2565*	3.08	34.945
2960	2.76	34.914
3360*	2.60	34.896
3755	2.50	34.880
4200*	2.46	34.874
4700	2.46	34.866
5305*	2.53	34.864

STATION # 5478
DATE 16 II 59
LAT. 28° 16'N
LONG. 33° 28'W
DEPTH 5065 m
GMT 0511 BT 237

DEPTH m	T °C	S ‰
1	20.28	36.804
50	20.32	36.820
95	20.14	36.855
195	17.50	36.394
285*	16.34	36.212
385	14.65	35.934
480*	13.38	35.751
575	11.96	35.577
675*	10.84	35.461
770	9.80	35.359
870*	8.53	35.263
970	7.86	35.252
1170*	6.57	35.201
1365*	6.39	35.234
1560	6.25	35.230
1855*	5.16	35.157
2150	4.28	35.064
2445*	3.68	34.998
2745	3.02	34.929
3140*	2.69	34.895
3530	2.53	34.877
3925*	2.48	34.870
4315	2.46	34.865
4810*	2.43	34.856

STATION # 5479
DATE 16 II 59
LAT. 28° 15'N
LONG. 31° 24'W
DEPTH 4881 m
GMT 2317 BT 251

DEPTH m	T °C	S ‰
1	20.53	36.939
50	20.54	36.942
100	20.54	36.942
195	17.72	36.411
295*	16.69	36.253
395	14.93	35.976
495*	13.69	35.794
590	12.23	35.603
690*	10.69	35.457
790	9.49	35.373
890*	8.18	35.257
990	7.55	35.266
1190*	6.97	35.318
1365*	6.02	35.270
1560	5.07	35.152
1855*	4.22	35.057
2150	3.60	35.000
2445*	3.19	34.947
2745	2.90	34.916
3140*	2.69	34.895
3530	2.55	34.877
3925*	2.48	34.870
4315	2.46	34.865
4810*	2.43	34.856

STATION # 5480
DATE 12 II 59
LAT. 28° 15'N
LONG. 43° 59'W
DEPTH 3070 m
GMT 1216 BT 184

DEPTH m	T °C	S ‰
1	21.01	36.656
50	21.01	36.656
100	18.63	36.528
200	17.66	36.434
300*	17.46	36.417
400	16.19	36.180
495*	14.27	35.890
1390*	5.33	35.091
1590*	4.69	35.122
1875	3.72	35.021
2170	3.32	34.984
2565	3.12	34.964
3020*	3.02	34.955

STATION # 5481
DATE 12 II 59
LAT. 28° 16'N
LONG. 43° 04'W
DEPTH 3027 m
GMT 2043 BT 189

DEPTH m	T °C	S ‰
1	21.38	36.716
50	21.25	36.713
100	19.41	36.594
200	17.67	36.432
300*	17.23	36.370
400	16.01	36.164
495*	14.27	35.890
1390*	5.33	35.091
1590*	4.83	35.174
1790*	4.29	35.144
2085	3.62	35.020
2385*	3.18	34.984
2680	2.94	34.949
2995*	2.81	34.944

STATION # 5482
DATE 12 II 59
LAT. 28° 16'N
LONG. 41° 09'W
DEPTH 3431 m
GMT 1003 BT 201

DEPTH m	T °C	S ‰
1	21.34	36.976
50	21.27	36.980
100	21.04	36.967
200	17.90	36.518
295*	16.29	36.237
395	14.69	35.970
495*	13.08	35.736
595	11.58	35.560
695*	10.33	35.422
795	8.78	35.282
890*	7.88	35.214
990	7.11	35.188
1190*	6.26	35.211
1380*	5.62	35.191
1580	4.98	35.134
1775*	4.43	35.082
2075	3.70	35.010
2375*	3.27	34.973
2670	2.94	34.940
2970*	2.77	34.920
3260	2.63	34.911
3400*	2.60	34.899

STATION # 5483
DATE 12 II 59
LAT. 28° 16'N
LONG. 39° 18'W
DEPTH 3890 m
GMT 0103 BT 212

DEPTH m	T °C	S ‰
1	21.47	36.956
40	20.45	36.860
80	20.33	36.828
155	19.13	36.672
235	17.64	36.424
310	16.56	36.255
395*	15.23	36.032
475	14.05	35.869
555*	12.63	35.674
640	11.35	35.517
730*	10.00	35.388
860	7.80	35.172
1105*	6.12	35.076
1335*	5.59	35.124
1525	5.02	35.116
1720*	4.36	35.062
2015	3.80	35.018
2305*	3.40	34.971
2600	3.13	34.951
2895*	2.86	34.937
3440	2.65	34.903
3890*	2.53	34.891

Mud in bottom bottle.

STATION # 5484
DATE 14 II 59
LAT. 28° 15'N
LONG. 37° 11'W
DEPTH 4160 m
GMT 2037 BT 213

DEPTH m	T °C	S ‰
1	20.40	36.859
40	20.45	36.860
80	20.33	36.828
165	17.93	36.431
250*	17.45	36.371
335	16.57	36.263
420*	14.70	35.951
505	13.46	35.777
595*	12.36	35.706
685	11.31	35.526
770*	10.43	35.422
910	8.42	35.305</

L.A.T. 28° 15'N L.O.N.G. 29° 30'W D.E.P.T.H. 4804 m G.M.T. 1600 BT 265				L.A.T. 28° 15'N L.O.N.G. 25° 32'W D.E.P.T.H. 5310 m G.M.T. 0432 BT 292				L.A.T. 28° 14'N L.O.N.G. 23° 29'W D.E.P.T.H. 5065 m G.M.T. 2314 BT 307				L.A.T. 28° 15'N L.O.N.G. 21° 30'W D.E.P.T.H. 4821 m G.M.T. 1507 BT 319				L.A.T. 28° 14'N L.O.N.G. 19° 28'W D.E.P.T.H. 4363 m G.M.T. 0738 BT 332				L.A.T. 28° 16'N L.O.N.G. 17° 48'W D.E.P.T.H. 2610 m G.M.T. 2113 BT 340				L.A.T. 28° 16'N L.O.N.G. 17° 30'W D.E.P.T.H. 891 m G.M.T. 0208 BT 342							
DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo				
m	oC			m	oC			m	oC			m	oC			m	oC			m	oC			m	oC			m	oC		
1	20.63	37.137	37.057	1	20.13	37.070	37.089	1	19.99	37.089	37.089	1	19.52	36.926	36.814	1	19.05	36.814	36.814	1	18.66	36.731	36.731	1	18.77	36.770	36.770				
50	20.58	37.126	37.057	45	20.03	37.082	37.082	45	20.03	37.082	37.082	50	19.27	36.907	36.815	50	19.10	36.815	36.815	50	18.59	36.720	36.720	50	18.83	36.763	36.763				
100	20.56	37.126	37.060	95	20.17	37.073	37.087	95	20.06	37.087	37.087	100	19.23	36.894	36.790	100	18.55	36.708	36.708	100	18.55	36.708	36.708	100	18.72	36.756	36.756				
195	17.67	36.538	36.567	190	17.33	36.438	36.470	190	17.22	36.470	36.470	195	16.23	36.319	36.270	195	16.29	36.282	36.282	195	15.95	36.268	36.268								
295*	15.94	36.220	36.180	280*	15.41	36.118	36.136	280*	15.43	36.136	36.136	290*	14.45	35.980	35.979	300	---	35.994	35.994	300	---	35.994	35.994	300	---	35.994	35.994				
395	14.28	35.936	35.920	375	14.13	35.906	35.906	385	14.01	35.906	35.906	390	13.16	35.800	35.800	395	12.93	35.760	35.772	395	12.93	35.760	35.772	395	12.93	35.760	35.772				
490	12.85	35.719	35.719	465*	12.68	35.706	35.716	485*	12.62	35.716	35.716	490*	12.27	35.680	35.648	495*	11.84	35.620	35.648	495*	11.84	35.620	35.648	495*	11.84	35.620	35.648				
590	11.58	35.594	35.563	555	11.58	35.567	35.554	580	11.31	35.554	35.548	585	11.04	35.542	35.524	595	11.07	35.529	35.529	595	11.07	35.529	35.529	595	11.07	35.529	35.529				
685*	10.47	35.452	35.452	650*	10.57	35.455	35.458	680*	10.38	35.458	35.458	685*	10.08	35.448	35.445	695*	9.44	35.404	35.404	695*	9.44	35.404	35.404	695*	9.44	35.404	35.404				
785	9.53	35.365	35.365	745	9.48	35.342	35.332	780	9.40	35.332	35.332	785	9.10	35.322	35.322	795	8.71	35.341	35.341	795	8.71	35.341	35.341	795	8.71	35.341	35.341				
880*	8.71	35.310	35.310	885	8.71	35.310	35.310	875*	8.75	35.376	35.376	880*	8.44	35.340	35.258	895*	7.98	35.288	35.288	895*	7.98	35.288	35.288	895*	7.98	35.288	35.288				
980	8.22	35.374	35.374	1130	7.19	35.255	35.255	1075	7.52	35.350	35.350	985	7.64	35.262	35.244	995	7.98	35.362	35.362	995	7.98	35.362	35.362	995	7.98	35.362	35.362				
1180*	6.95	35.322	35.322	1325*	6.54	35.291	35.291	1270*	6.78	35.354	35.354	1180*	7.05	35.330	35.307	1195*	7.13	35.386	35.386	1195*	7.13	35.386	35.386	1195*	7.13	35.386	35.386				
1340*	6.32	35.315	35.328	1455*	6.11	35.271	35.295	1435*	6.00	35.295	35.295	1455*	5.77	35.247	35.296	1500*	5.26	35.208	35.208	1500*	5.26	35.208	35.208	1500*	5.26	35.208	35.208				
1590	5.39	35.162	35.162	1730	4.87	35.143	35.204	1630	5.24	35.204	35.204	1650	4.95	35.164	35.172	1695	5.04	35.172	35.172	1695	5.04	35.172	35.172								
2020*	3.99	35.067	35.067	2015*	4.11	35.065	35.065	1920*	4.22	35.084	35.084	1845*	4.35	35.124	35.078	1995*	4.17	35.078	35.078	1995*	4.17	35.078	35.078								
2310	3.47	35.007	35.007	2165	3.48	34.996	35.036	2300	3.66	35.036	35.042	2295	3.62	35.026	35.026	2295	3.62	35.026	35.026	2295	3.62	35.026	35.026								
2605*	3.06	34.972	34.972	2460*	3.26	34.972	34.987	2680*	3.20	34.987	34.987	2645*	3.18	34.978	34.978	2645*	3.18	34.978	34.978	2645*	3.18	34.978	34.978								
2850	2.90	34.939	34.939	2850	2.74	34.924	34.954	2895	2.80	34.954	34.954	2725	2.96	34.963	34.939	2725	2.96	34.963	34.939	2725	2.96	34.963	34.939								
2900	2.84	34.949	34.949	3240*	2.70	34.918	34.931	3240*	2.60	34.931	34.924	3020*	2.72	34.924	34.914	3020*	2.72	34.924	34.914	3020*	2.72	34.924	34.914								
3190*	2.68	34.934	34.934	3240*	2.56	34.914	34.888	3820	2.51	34.888	34.902	3410	2.56	34.924	34.898	3410	2.56	34.924	34.898	3410	2.56	34.924	34.898								
3585	2.56	34.914	34.889	3635	2.55	34.894	34.884	4205*	2.46	34.884	34.902	3675	2.46	34.908	34.908	3675	2.46	34.908	34.908	3675	2.46	34.908	34.908								
3975*	2.49	34.896	34.896	4123*	2.38	34.889	34.876	4690	2.43	34.876	34.896	4570	2.41	34.896	34.896	4570	2.41	34.896	34.896	4570	2.41	34.896	34.896								
4425	2.46	34.896	34.896	4620	2.44	34.877	34.868	5190*	2.48	34.868	34.868	5065*	2.48	34.868	34.868	5065*	2.48	34.868	34.868	5065*	2.48	34.868	34.868								
4725*	2.47	34.913	34.913	5105*	2.45	34.873	34.873	5190*	2.48	34.868	34.868	5065*	2.48	34.868	34.868	5065*	2.48	34.868	34.868	5065*	2.48	34.868	34.868								

STATION # 5770 DATE 13 III 59 L.A.T. 12° 15'S L.O.N.G. 37° 33'W D.E.P.T.H. 369 G.M.T. 2318 BT 656				STATION # 5771 DATE 13-14 III 59 L.A.T. 12° 15'S L.O.N.G. 37° 24'W D.E.P.T.H. 2028 G.M.T. 0019 BT 656				STATION # 5772 DATE 14 III 59 L.A.T. 12° 14'S L.O.N.G. 37° 04'W D.E.P.T.H. 2881 G.M.T. 0600 BT 660				STATION # 5773 DATE 14 III 59 L.A.T. 12° 18'S L.O.N.G. 36° 12'W D.E.P.T.H. 3920 G.M.T. 1435 BT 666				STATION # 5774 DATE 15 III 59 L.A.T. 12° 18'S L.O.N.G. 34° 48'W D.E.P.T.H. 4429 m G.M.T. 0359 BT 676				STATION # 5775 DATE 15 III 59 L.A.T. 12° 16'S L.O.N.G. 33° 31'W D.E.P.T.H. 3988 m G.M.T. 1601 BT 686				STATION # 5776 DATE 16 III 59 L.A.T. 12° 15'S L.O.N.G. 31° 40'W D.E.P.T.H. 4987 m G.M.T. 0859 BT 699				STATION # 5777 DATE 16-17 III 59 L.A.T. 12° 16'S L.O.N.G. 30° 02'W D.E.P.T.H. 5510 m G.M.T. 0157 BT 712							
DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo				
m	oC			m	oC			m	oC			m	oC			m	oC			m	oC			m	oC			m	oC			m	oC		
1	28.35	36.939	36.990	1	28.53	36.990	37.112	1	28.27	37.112	37.143	1	28.44	37.143	37.159	1	28.01	36.874	36.874	1	27.50	36.945	36.945	1	27.46	36.836	36.836								
70	23.88	37.106	37.077	50	26.17	37.077	37.092	50	27.50	37.092	37.091	50	27.13	37.094	37.094	50	26.90	36.935	36.935	50	27.07	36.788	36.788												
115	21.59	36.699	37.143	95	23.87	37.143	37.129	95	24.27	37.138	37.138	95	23.67	37.019	37.019	95	22.72	36.861	36.861	95	23.37	36.779	36.779												
165	17.24	35.903	35.785	185	16.63	35.785	36.332	190	19.19	36.227	36.227	195	17.64	35.948	35.990	195	17.89	35.990	35.990	195	16.32	35.740	35.740												
215*	14.52	35.448	35.188	255*	12.69	35.188	35.341	275*	13.97	35.341	35.133	290*	11.73	35.088	35.100	290*	11.93	35.100	35.100	290*	11.59	35.087	35.087												
265	14.15	35.388	34.929	390	10.75	34.929	34.938	370	10.78	34.938	34.726	385	8.56	34.705	34.701	385	8.56	34.736	34.736	385	8.56	34.736	34.736												
315*	13.99	35.384	34.633	485*	8.13	34.633	34.638	460*	8.09	34.638	34.543	485*	6.15	34.503	34.494	485*	6.16	34.494	34.494	485*	6.05	34.482	34.451												
				585	5.54	34.419	34.466	560	6.10	34.466	34.469	585	5.44	34.471	34.468	585	5.52	34.468	34.436	585	5.52	34.468	34.436	585	5.52	34.468	34.436								
				690*	4.91	34.396	34.373	660*	4.68	34.373	34.427	680*	4.70	34.435	34.421	680*	4.68	34.421	34.406	680*	4.68	34.406	34.438	680*	4.68	34.438	34.438								
				790	4.22	34.384	34.378	760	4.11	34.378	34.451	775	4.15	34.438	34.438	780	4.25	34.422	34.374	795	3.67	34.374	34.493	795	3.86	34.493	34.493								
				890*	3.85	34.401	34.421	855*	3.75	34.421	34.486	870*	3.88	34.486	34.466	875*	3.94	34.462	34.392	895*	3.52	34.392	34.648	895*	3.85	34.648	34.648								
				990	3.67	34.430	34.480	955	3.77	34.480	34.536	970	3.78	34.536	34.507	975	3.80	34.507	34.528	990	3.85	34.528	34.801	990	3.98	34.801	34.801								
				1185*	3.88	34.643	34.632	1150*	3.84	34.632	34.719	1165*	4.00	34.719	34.684	1170*	3.94	34.684	34.689	1185*	3.85	34.689	34.800	1185*	3.91	34.800	34.800								
				1280*	3.90</																														

STATION # 5810
 DATE 28 IV 59
 LAT. 32° 29'S
 LONG. 42° 50'W
 DEPTH 3900 m
 GMT 1250 BT 1098-1099

DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S
m	oC	o/oo	m	oC	o/oo	m	oC	o/oo	m	oC	o/oo
1	20.87	35.882	1	21.27	35.648	1	21.13	35.893	1	21.54	35.727
50	20.89	35.906	40	21.30	35.651	50	21.17	35.996	40	21.55	35.727
100	17.73	35.887	75	20.33	35.719	100	17.22	35.789	85	17.89	35.777
200	15.75	35.693	155	16.07	35.695	195	15.41	35.653	165	14.99	35.557
295*	14.38	35.477	230	15.25	35.621	295	14.24	35.461	250	14.35	35.442
395	13.13	35.250	305	14.33	35.470	390	12.78	35.224	335	13.14	35.287
495*	10.75	34.909	385	13.49	35.339	490	10.73	34.921	425	11.28	34.984
595	8.47	34.611	460	12.34	35.149	590	7.72	34.527	515	9.07	34.686
695*	5.94	34.323	540	---	34.879	685	5.83	34.344	671	6.71	34.430
795	4.93	34.277	615	8.22	34.586	785	4.54	34.251	755	5.78	34.349
890	3.70	34.241	765*	5.15	34.294	885*	3.46	34.241	855*	4.01	34.269
1190*	3.05	34.323	910	3.88	34.238	1180	3.04	34.356	1075	3.40	34.349
1390*	2.83	34.451	1055*	3.39	34.330	1380*	2.83	34.476	1270*	2.89	34.438
1570	2.85	34.576	1125	3.34	34.321	1540	2.79	34.584	1430*	2.78	34.541
1670	2.94	34.646	1360	2.97	34.439	1730	2.88	34.701	1620	2.82	34.654
1765*	3.06	34.653	1600*	2.83	34.597	2020*	2.91	34.813	1910*	2.95	34.790
1960	3.31	34.829	1845*	2.97	34.722	2310	---	34.883	2195	---	34.881
2160	3.25	34.895	2090*	3.01	34.808	2600	2.99	34.922	2480	2.97	34.914
2455	3.25	34.926	2350	2.93	34.850	2890	2.82	34.923	2765	2.85	34.924
2750	3.03	34.923	2610	3.06	34.918	3190	2.55	34.900	3060	2.65	34.915
3045	2.83	34.901	2870	2.85	34.911	3485	1.95	34.841	3380	2.20	34.872
3335*	2.31	34.865	3130*	2.30	34.849	3785*	1.33	34.775	3630*	1.46	---
3620	0.75	34.719	3495	1.29	34.749	4080	0.67	34.708	3830*	---	---
3900	0.09	34.668	3855	0.38	34.677	4430*	0.25	34.678	3990	0.95	34.733

STATION # 5811
 DATE 29-30 IV 59
 LAT. 32° 42'S
 LONG. 40° 45'W
 DEPTH 4454 m
 GMT 0056 BT 1115

DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S
m	oC	o/oo	m	oC	o/oo	m	oC	o/oo	m	oC	o/oo
1	20.87	35.882	1	21.27	35.648	1	21.13	35.893	1	21.54	35.727
50	20.89	35.906	40	21.30	35.651	50	21.17	35.996	40	21.55	35.727
100	17.73	35.887	75	20.33	35.719	100	17.22	35.789	85	17.89	35.777
200	15.75	35.693	155	16.07	35.695	195	15.41	35.653	165	14.99	35.557
295*	14.38	35.477	230	15.25	35.621	295	14.24	35.461	250	14.35	35.442
395	13.13	35.250	305	14.33	35.470	390	12.78	35.224	335	13.14	35.287
495*	10.75	34.909	385	13.49	35.339	490	10.73	34.921	425	11.28	34.984
595	8.47	34.611	460	12.34	35.149	590	7.72	34.527	515	9.07	34.686
695*	5.94	34.323	540	---	34.879	685	5.83	34.344	671	6.71	34.430
795	4.93	34.277	615	8.22	34.586	785	4.54	34.251	755	5.78	34.349
890	3.70	34.241	765*	5.15	34.294	885*	3.46	34.241	855*	4.01	34.269
1190*	3.05	34.323	910	3.88	34.238	1180	3.04	34.356	1075	3.40	34.349
1390*	2.83	34.451	1055*	3.39	34.330	1380*	2.83	34.476	1270*	2.89	34.438
1570	2.85	34.576	1125	3.34	34.321	1540	2.79	34.584	1430*	2.78	34.541
1670	2.94	34.646	1360	2.97	34.439	1730	2.88	34.701	1620	2.82	34.654
1765*	3.06	34.653	1600*	2.83	34.597	2020*	2.91	34.813	1910*	2.95	34.790
1960	3.31	34.829	1845*	2.97	34.722	2310	---	34.883	2195	---	34.881
2160	3.25	34.895	2090*	3.01	34.808	2600	2.99	34.922	2480	2.97	34.914
2455	3.25	34.926	2350	2.93	34.850	2890	2.82	34.923	2765	2.85	34.924
2750	3.03	34.923	2610	3.06	34.918	3190	2.55	34.900	3060	2.65	34.915
3045	2.83	34.901	2870	2.85	34.911	3485	1.95	34.841	3380	2.20	34.872
3335*	2.31	34.865	3130*	2.30	34.849	3785*	1.33	34.775	3630*	1.46	---
3620	0.75	34.719	3495	1.29	34.749	4080	0.67	34.708	3830*	---	---
3900	0.09	34.668	3855	0.38	34.677	4430*	0.25	34.678	3990	0.95	34.733

STATION # 5812
 DATE 30 IV 59
 LAT. 32° 26'S
 LONG. 38° 53'W
 DEPTH 4480 m
 GMT 1634 BT 1127

DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S
m	oC	o/oo	m	oC	o/oo	m	oC	o/oo	m	oC	o/oo
1	21.13	35.893	1	21.54	35.727	1	22.23	35.718	1	22.52	35.718
50	21.17	35.996	40	21.55	35.727	50	22.26	35.715	45	22.50	35.555
100	17.22	35.789	85	17.46	35.777	100	17.89	35.839	85	19.30	35.839
195	15.41	35.653	165	14.99	35.557	200	15.26	35.630	175	15.79	35.630
295	14.24	35.461	250	14.35	35.442	300	13.83	35.354	265	14.56	35.476
390	12.78	35.224	335	13.14	35.287	395	13.34	35.300	355	13.34	35.300
490	10.73	34.921	425	11.28	34.984	450	11.79	35.058	400	12.21	35.146
590	7.72	34.527	515	9.07	34.686	540	9.87	34.800	475	9.76	34.783
685	5.83	34.344	671	6.71	34.430	695*	7.84	34.572	595	7.32	34.507
785	4.54	34.251	755	5.78	34.349	855*	4.41	34.300	695	5.61	34.337
885*	3.46	34.241	855*	4.01	34.269	920*	4.41	34.300	795	4.50	34.259
1180	3.04	34.356	1075	3.40	34.349	1115	---	34.341	995*	3.44	34.263
1380*	2.83	34.476	1270*	2.89	34.438	1310*	2.90	34.449	1195	2.95	34.348
1540	2.79	34.584	1430*	2.78	34.541	1590*	2.81	34.612	1395*	2.79	34.493
1730	2.88	34.701	1620	2.82	34.654	1880*	2.80	34.711	1540	2.79	34.588
2020*	2.91	34.813	1910*	2.95	34.790	2195	---	34.883	1745	2.79	34.695
2310	---	34.883	2480	2.97	34.914	2765	2.85	34.924	1935*	2.77	34.775
2600	2.99	34.922	2890	2.82	34.923	3190	2.55	34.900	2170*	2.77	34.814
2890	2.82	34.923	3060	2.65	34.915	3485	1.95	34.841	2430	2.80	34.867
3190	2.55	34.900	3380	2.20	34.872	3630*	1.46	---	2465	2.84	34.892
3485	1.95	34.841	3785*	1.33	34.775	4080	0.67	34.708	2730	2.75	34.895
3785*	1.33	34.775	4080	0.67	34.708	4430*	0.25	34.678	3025	2.57	34.897
4080	0.67	34.708	4430*	0.25	34.678	---	---	---	3325	2.27	34.872
4430*	0.25	34.678	---	---	---	---	---	---	3625*	1.75	34.818

STATION # 5813
 DATE 1 V 59
 LAT. 32° 39'S
 LONG. 36° 47'W
 DEPTH 3860 m
 GMT 1001 BT 1140

DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S
m	oC	o/oo	m	oC	o/oo	m	oC	o/oo	m	oC	o/oo
1	21.54	35.727	1	22.23	35.718	1	22.52	35.718	1	20.86	35.630
40	21.55	35.727	50	22.26	35.715	45	22.50	35.555	50	20.73	35.617
85	17.46	35.777	100	17.89	35.839	85	19.30	35.839	95	16.49	35.650
165	14.99	35.557	200	15.26	35.630	175	15.79	35.630	190	14.70	35.513
250	14.35	35.442	300	13.83	35.354	265	14.56	35.476	285	13.85	35.401
335	13.14	35.287	395	13.34	35.300	355	13.34	35.300	380	12.73	35.227
425	11.28	34.984	450	11.79	35.058	400	12.21	35.146	475	10.09	34.826
515	9.07	34.686	540	9.87	34.800	475	9.76	34.783	575	7.70	34.527
671	6.71	34.430	695*	7.84	34.572	595	7.32	34.507	670	5.89	34.372
755	5.78	34.349	855*	4.41	34.300	695	5.61	34.337	765	4.88	34.297
855*	4.01	34.269	920*	4.41	34.300	795	4.50	34.259	765	4.88	34.297
1075	3.40	34.349	1115	---	34.341	995*	3.44	34.263	955*	3.54	34.273
1270*	2.89	34.438	1310*	2.90	34.449	1195	2.95	34.348	1150	3.02	34.352
1430*	2.78	34.541	1590*	2.81	34.612	1395*	2.79	34.493	1345*	2.88	34.489
1620	2.82	34.654	1880*	2.80	34.711	1540	2.79	34.588	1495*	2.79	34.569
1910*	2.95	34.790	2195	---	34.883	1745	2.79	34.695	1685*	2.80	34.685
2430	2.80	34.867	2465	2.84	34.892	2430	2.77	34.814	1880	2.82	34.763
2730	2.75	34.895	2760	2.74	34.894	2430	2.77	34.814	2170*	2.77	34.814
3025	2.57	34.897	3050	2.52	34.892	2430	2.77	34.814	2465	2.84	34.892
3325	2.27	34.872	3345*	2.16	34.867	2430	2.77	34.814	2760	2.74	34.894
3625*	1.75	34.818	---	---	---	2430	2.77	34.814	3050	2.52	34.892</

L.A.T. 32° 35'S L.O.N.G. 11° 02'W D.E.P.T.H. 3790 m G.M.T. 0953 BT 1307				L.A.T. 32° 25'S L.O.N.G. 0° 57'E D.E.P.T.H. 4491 m G.M.T. 1427 BT 1382				L.A.T. 32° 22'S L.O.N.G. 1° 08'W D.E.P.T.H. 4054 m G.M.T. 2055 BT 1367				L.A.T. 32° 29'S L.O.N.G. 7° 04'W D.E.P.T.H. 4210 m G.M.T. 1826 BT 1330				L.A.T. 32° 27'S L.O.N.G. 5° 19'W D.E.P.T.H. 4170 m G.M.T. 0900 BT 1339				L.A.T. 32° 29'S L.O.N.G. 7° 04'W D.E.P.T.H. 4210 m G.M.T. 1826 BT 1330				L.A.T. 32° 29'S L.O.N.G. 5° 19'W D.E.P.T.H. 4170 m G.M.T. 0900 BT 1339											
DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo				
m	oC			m	oC			m	oC			m	oC			m	oC			m	oC			m	oC			m	oC			m	oC		
1	19.52	35.635		1	19.30	35.804		1	18.36	35.649		1	19.26	35.810		1	19.29	35.801		1	19.51	35.841		1	16.80	35.433		1	16.80	35.433					
45	19.54	35.724		45	19.34	35.806		45	18.40	35.654		45	19.33	35.813		45	19.09	35.743		45	19.51	35.837		45	16.92	35.459		45	16.92	35.459					
90	17.66	35.686		85	19.34	35.804		85	17.13	35.544		90	17.30	35.548		90	16.21	35.493		90	18.53	35.827		90	15.79	35.341		90	15.79	35.341					
185	14.70	35.442		170	15.03	35.401		185	14.02	35.284		190	15.68	35.505		190	13.67	35.248		180	12.40	35.067		200	11.22	34.965		200	11.22	34.965					
275	13.25	35.249		255	13.18	35.146		280	12.77	35.154		290	14.47	35.341		290	12.25	35.094		270	10.55	34.875		295*	9.40	34.757		295*	9.40	34.757					
370	12.11	35.095		345	12.20	35.067		375	11.33	34.980		385	10.92	34.929		385	10.92	34.929		385	10.92	34.929		395	8.31	34.730		395	8.31	34.730					
460	10.53	34.885		435	10.69	34.894		470	10.00	34.813		480	9.38	34.744		480	9.38	34.744		480	9.38	34.744		495	7.77	34.589		495	7.77	34.589					
555	8.35	34.623		525	9.35	34.735		565	8.43	34.630		595	9.40	34.534		595	9.40	34.534		580	6.57	34.519		600*	6.25	34.428		600*	6.25	34.428					
645*	6.66	34.459		615*	8.06	34.603		660*	6.74	34.464		675*	7.41	34.325		675*	7.41	34.325		675*	7.41	34.325		700*	4.60	34.288		700*	4.60	34.288					
740	5.29	34.337		705	6.21	34.438		755	5.30	34.359		775	4.26	34.267		775	4.26	34.267		775	4.26	34.267		800*	3.64	34.296		800*	3.64	34.296					
935	3.84	34.276		895	4.25	34.324		895	4.25	34.324		950	3.37	34.286		950	3.37	34.286		950	3.37	34.286		945	3.66	34.300		945	3.66	34.300					
1345	3.09	34.361		1080	3.34	34.367		1140	3.29	34.400		1190	3.00	34.422		1190	3.00	34.422		1165	3.00	34.422		1135	3.17	34.386		1135	3.17	34.386					
1325*	2.90	34.489		1270*	3.02	34.506		1335*	3.01	34.500		1390*	2.87	34.518		1390*	2.87	34.518		1365*	2.87	34.518		1335*	2.86	34.514		1335*	2.86	34.514					
1485*	2.84	34.580		1430*	2.91	34.584		1535*	2.81	34.620		1595*	2.78	34.611		1595*	2.78	34.611		1505*	2.78	34.611		1485*	2.77	34.600		1485*	2.77	34.600					
1680	2.75	34.675		1680	2.91	34.728		1730	2.83	34.736		1785*	2.69	34.746		1785*	2.69	34.746		1800	2.69	34.746		1795	2.71	34.720		1795	2.71	34.720					
1875*	2.72	34.742		1930*	2.83	34.790		2020*	2.73	34.810		2095*	2.63	34.800		2095*	2.63	34.800		2055*	2.63	34.800		2080	2.66	34.789		2080	2.66	34.789					
2170	2.63	34.805		2175	2.68	34.827		2315	2.56	34.838		2385	2.54	34.835		2385	2.54	34.835		2385	2.54	34.835		2450	2.57	34.831		2450	2.57	34.831					
2465	2.53	34.843		2505	2.49	34.849		2610	2.47	34.853		2675	2.41	34.855		2675	2.41	34.855		2680	2.41	34.855		2675	2.51	34.856		2675	2.51	34.856					
2760	2.47	34.863		2830	2.39	34.862		2910	2.39	34.869		2970	2.41	34.865		2970	2.41	34.865		2970	2.41	34.865		2965	2.43	34.875		2965	2.43	34.875					
3055	2.44	34.870		3160	2.34	34.872		3205	2.35	34.883		3365	2.36	34.878		3365	2.36	34.878		3365	2.36	34.878		3360	2.41	34.890		3360	2.41	34.890					
3345	2.45	34.874		3565	2.26	34.861		3605	2.29	34.866		3755	2.34	34.873		3755	2.34	34.873		3755	2.34	34.873		3755	2.35	34.864		3755	2.35	34.864					
3730*	2.41	34.879		4070*	1.39	34.773		4000*	1.68	34.813		4150*	2.14	34.873		4150*	2.14	34.873		4150*	2.14	34.873		4150*	2.15	34.864		4150*	2.15	34.864					

L.A.T. 32° 31'S L.O.N.G. 8° 56'W D.E.P.T.H. 4224 m G.M.T. 0325 BT 1319				L.A.T. 32° 28'S L.O.N.G. 7° 04'W D.E.P.T.H. 4210 m G.M.T. 1826 BT 1330				L.A.T. 32° 28'S L.O.N.G. 15° 02'E D.E.P.T.H. 3021 m G.M.T. 1732 BT 1511				L.A.T. 32° 30'S L.O.N.G. 13° 12'E D.E.P.T.H. 3687 m G.M.T. 1334 BT 1528				L.A.T. 32° 30'S L.O.N.G. 9° 13'E D.E.P.T.H. 5011 m G.M.T. 2047 BT 1566				L.A.T. 32° 30'S L.O.N.G. 7° 11'E D.E.P.T.H. 4943 m G.M.T. 2315 BT 1578															
DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo	DEPTH	T	S	o/oo				
m	oC			m	oC			m	oC			m	oC			m	oC			m	oC			m	oC			m	oC			m	oC		
1	19.57	35.636		1	16.55	35.407		1	16.66	35.417		1	16.55	35.407		1	16.80	35.433		1	16.64	35.424		1	17.82	35.580		1	17.82	35.580					
45	19.60	35.640		45	16.22	35.374		45	16.70	35.376		45	16.22	35.374		45	16.92	35.459		45	16.12	35.292		45	17.87	35.600		45	17.87	35.600					
90	17.66	35.686		90	14.08	35.218		90	12.77	35.096		90	14.08	35.218		90	15.01	35.100		90	15.01	35.100		90	17.80	35.633		90	17.80	35.633					
185	14.70	35.442		185	11.22	34.965		185	9.75	34.778		185	11.22	34.965		185	12.40	35.067		185	12.40	35.067		185	15.45	35.407		185	15.45	35.407					
275	13.25	35.249		275	9.40	34.757		275	8.11	34.642		275	9.40	34.757		275	10.55	34.875		275	10.55	34.875		275	13.94	35.296		275	13.94	35.296					
370	12.11	35.095		370	7.39	34.559		370	6.18	34.440		370	7.39	34.559		370	8.31	34.730		370	8.31	34.730		370	12.19	35.054		370	12.19	35.054					
460	10.53	34.885		460	5.71	34.403		460	4.95	34.378		460	5.71	34.403		460	6.57	34.519		460	6.57	34.519		460	11.01	34.926		460	11.01	34.926					
555	8.35	34.623		555	4.53	34.310		555	3.90	34.373		555	4.53	34.310		555	5.04	34.480		555	5.04	34.480		555	13.94	35.296		555	13.94	35.296					
645*	6.66	34.459		645*	4.05	34.342		645*	3.59	34.367		645*	4.05	34.342		645*	4.78	34.335		645*	4.78	34.335		645*	15.45	35.407		645*	15.45	35.407					
740	5.29	34.337		740	3.59	34.367		740	3.55	34.392		740	3.59	34.367		740	4.21	34.313		740	4.21	34.313		740	17.80	35.633		740	17.80	35.633					
935	3.84	34.276		935	3.06	34.463		935	3.04	34.485		935	3.06	34.463		935	3.46	34.375		935	3.46	34.375		935	17.80	35.633		935	17.80	35.633					
1345	3.09	34.361		1345	2.94	34.594		1345	2.98	34.556		1345	2.94	34.594		1345	3.05	34.483		1345	3.05	34.483		1345	17.80	35.633		1345	17.80	35.633					
1325*	2.90	34.489		1325*	2.98	34.556		1325*	2.98	34.556		1325*	2.98	34.556		1325*	2.86	34.613		1325*	2.86	34.613		1325*	17.80	35.633		1325*	17.80	35.633					
1485*	2.84	34.580		1485*	2.91	34.675		1485*	2.91	34.675		1485*	2.91	34.675		1485*	2.86	34.613		1485*	2.86	34.613		1485*	17.80	35.633		1485*	17.80	35.633					
1680	2.75	34.675		1680	2.75	34.675		1680	2.75	34.675		1680	2.75	34.675		1680	2.75	34.675		1680	2.75	34.675		1680	17.80	35.633		1680	17.80	35.633					
1875*	2.72	34.742		1875*	2.75	34.675		1875*	2.75	34.675		1875*	2.75	34.675		1875*	2.75	34.675		1875*	2.75	34.675		1875*	17.80	35.633		1875*	17.80	35.633					
2170	2.63	34.805		2170	2.72	34.742		2170	2.72	34.742		2170	2.72	34.742		2170	2.72	34.742		2170	2.72	34.742		2170	17.80	35.633		2170	17.80	35.633					
2465	2.53	34.843		2465	2.63	34.805		2465	2.63	34.805		2465	2.63	34.805		2465	2.63	34.805		2465	2.63	34.805		2465	17.80	35.633		2465	17.80	35.633					
2760	2.47	34.863		2760	2.57	34.836		2760	2.57	34.836		2760	2.57	34.8																					

STATION # 5842				STATION # 5843				STATION # 5844				STATION # 5845				STATION # 5846				STATION # 5847				STATION # 5848				STATION # 5849			
DATE 2 VI 59		DATE 3 VI 59		DATE 6 VI 59		DATE 19 VI 59		DATE 27 VI 59		DATE 3 VII 59		DATE 7 VII 59		DATE 10 VII 59																	
LAT. 32° 31'S		LAT. 32° 25'S		LAT. 24° 12'S		LAT. 15° 43'S		LAT. 8° 16'S		LAT. 0° 15'S		LAT. 8° 14'N		LAT. 16° 15'N																	
LONG. 5° 14'E		LONG. 3° 12'E		LONG. 11° 20'E		LONG. 6° 46'W		LONG. 31° 24'W		LONG. 40° 21'W		LONG. 47° 25'W		LONG. 57° 31'W																	
DEPTH 4969 m		DEPTH 4834 m		DEPTH 3630 m		DEPTH 3620 m		DEPTH 5327 m		DEPTH 3935 m		DEPTH 4488 m		DEPTH 5159 m																	
GMT 1559 BT 1590		GMT 1201 BT 1602		GMT 1948 BT 1676		GMT 1624 BT 1839		GMT 0425 BT 2012		GMT 1143 BT 2096		GMT 0623 BT 2182		GMT 2106 BT 2264																	
DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S														
m	o/c	o/oo	m	o/c	o/oo	m	o/c	o/oo	m	o/c	o/oo	m	o/c	o/oo	m	o/c	o/oo														
1	17.61	35.682	1	16.79	35.237	1	22.28	36.490	1	25.95	36.314	1	26.97	36.211	1	27.59	34.901														
45	17.64	35.683	100	14.50	35.321	45	22.17	36.519	85	25.18	36.767	50	26.95	36.204	35	27.30	35.657														
95	17.63	35.682	195	12.28	35.054	95	21.37	36.317	175	16.06	35.711	95	21.73	36.456	65	25.99	36.595														
190	15.85	35.458	295	10.11	34.841	190	12.67	35.215	265	10.37	34.969	190	12.86	35.046	145	21.22	36.663														
285	14.55	35.319	395*	8.15	34.634	285*	10.46	34.948	355*	8.34	34.747	290*	9.84	34.870	285*	13.98	35.693														
380	13.58	35.331	495	6.36	34.489	380	8.37	34.747	450	7.04	34.611	385	8.99	34.764	380	11.01	35.169														
475*	12.47	35.117	595*	5.34	34.435	475	7.28	34.638	545*	6.07	34.537	480	7.51	34.711	475*	9.64	35.003														
570	10.83	34.916	695	4.65	34.419	570	6.19	34.551	640	5.38	34.494	580	5.85	34.512	565	8.28	34.829														
670*	9.25	34.754	790*	4.14	34.424	665*	5.00	34.488	735	4.78	34.476	680*	5.05	34.489	665*	7.28	34.717														
765	7.47	34.543	890	3.70	34.531	760	4.43	34.481	930	3.94	34.476	775	4.90	34.502	760	6.76	34.724														
865*	4.10	34.277	990*	3.46	34.660	850*	4.03	34.551	1120*	4.00	34.642	975*	4.39	34.535	1180*	5.70	34.777														
1160	3.58	34.386	1390	3.34	34.760	1145	3.80	34.662	1315	4.21	34.839	1170	4.47	34.800	1160	5.22	34.913														
1355*	3.11	34.507	1590*	3.37	34.839	1530*	3.57	34.868	1510*	4.09	34.952	1365*	4.36	34.917	1360	4.73	34.997														
1535*	2.91	34.607	1675*	3.34	34.846	1330*	3.68	34.799	1370*	4.20	34.891	1575*	4.06	34.976	1550*	4.28	35.006														
1630	2.91	34.759	1870	3.29	34.885	1720	3.46	34.904	1775	3.75	34.965	1775	3.73	34.983	2160	3.26	34.962														
2130*	2.90	34.838	2015*	2.83	34.836	2070*	3.14	34.887	1915*	3.32	34.917	1975*	3.40	34.986	2355	3.13	34.954														
2525	2.69	34.884	2310	2.68	34.846	2270	3.00	34.898	2110	3.13	34.917	2365	3.14	34.958	2555	3.00	34.958														
2975*	2.46	34.859	2605*	2.52	34.855	2465*	2.88	34.900	2280*	2.92	34.944	2765*	2.88	34.945	2755*	2.88	34.945														
3275	2.35	34.859	2990	2.36	34.860	2665	2.75	34.887	2580*	2.64	34.939	3160	2.60	34.932	2950	2.74	34.962														
3670*	2.18	34.850	3380*	2.22	34.863	2860*	2.64	34.882	3175	2.48	34.932	3360*	2.50	34.932	3240*	2.58	34.979														
4065	1.59	34.785	3765	1.78	34.811	3055	2.57	34.876	3570*	2.48	34.926	3555	2.44	34.910	3535	2.47	34.910														
4465*	1.13	34.751	4160*	1.17	34.766	3250*	2.48	34.875	3970	1.93	34.862	3745*	2.24	34.905	4125*	2.24	34.905														
4850*	1.09	34.734	4655*	1.09	34.719	3450*	2.41	34.868	4360*	1.12	34.770	3935*	2.37	34.910	4250*	2.04	34.887														
									4915*	0.75	---	4420*	2.04	34.887	4285*	2.57	34.921														

LAT. 36° 16'N
LONG. 75° 00'W
DEPTH 39 m
GMT 2024

DEPTH	T	S
m	oC	o/oo
1	11.25	33.334
5	11.20	33.943
10	10.41	34.103
15	9.86	34.514
20*	9.68	34.288
25	9.59	34.322
35*	9.52	34.344

LAT. 36° 15'N
LONG. 74° 34'W
DEPTH 1394 m
GMT 2340

DEPTH	T	S
m	oC	o/oo
1	11.97	34.848
24	11.37	34.915
49	11.24	34.937
97	11.23	35.123
146*	11.71	35.330
195	11.08	35.291
292*	8.84	35.156
390	6.73	35.037
487*	5.23	34.954
584	4.72	34.954
682	4.67	34.981
779*	4.34	34.969
877	4.21	34.961
974*	4.18	34.966
1169*	3.99	34.965
1364*	3.86	34.966

LAT. 36° 14'N
LONG. 74° 21'W
DEPTH 2059 m
GMT 0137

DEPTH	T	S
m	oC	o/oo
1	12.12	34.731
22	11.00	34.737
44	10.49	34.710
80	11.39	35.051
134	10.87	35.088
178	11.03	35.254
268*	9.07	35.169
358	7.30	35.058
449*	5.89	34.985
540	5.52	34.971
632	4.89	34.994
724	4.51	34.971
816*	4.30	34.970
909	---	34.967
1097	4.02	34.970
1285*	3.82	34.963

LAT. 36° 14'N
LONG. 74° 08'W
DEPTH 2403 m
GMT 0502

DEPTH	T	S
m	oC	o/oo
1	12.46	34.789
23	12.41	35.188
46	12.26	35.178
93	10.70	34.969
140*	11.06	35.150
187	---	35.442
282*	8.95	35.153
376	6.99	35.079
471*	5.52	35.002
565	4.86	34.979
660	4.67	34.990
754	4.42	34.971
850*	4.21	34.979
945	---	34.975
1136	3.93	34.973
1329*	3.77	34.967

LAT. 36° 14'N
LONG. 73° 55'W
DEPTH 2783 m
GMT 0814

DEPTH	T	S
m	oC	o/oo
1	14.17	35.173
24	13.22	35.231
47	12.78	35.220
95	11.81	35.263
142*	11.86	35.368
190	11.40	35.428
287	---	35.141
384	6.92	35.047
482*	5.76	35.004
580	5.06	34.997
677	5.23	35.001
785	4.34	34.991
883*	4.16	34.983
981	---	34.974
1177*	3.85	34.970
1374*	3.71	34.967

LAT. 36° 14'N
LONG. 73° 43'W
DEPTH 3034 m
GMT 1120

DEPTH	T	S
m	oC	o/oo
1	13.90	35.198
24	11.61	35.081
49	12.04	35.220
98	11.88	35.333
147*	12.15	35.479
196	11.41	35.418
294*	8.54	35.122
392	6.39	35.034
491*	5.29	35.003
589	4.85	35.005
687	4.57	34.995
785	4.34	34.991
883*	4.16	34.983
981	---	34.974
1177*	3.85	34.970
1374*	3.71	34.967

LAT. 36° 14'N
LONG. 73° 32'W
DEPTH 3237 m
GMT 1426

DEPTH	T	S
m	oC	o/oo
1	13.82	35.296
25	13.34	35.384
50	12.70	35.317
99	12.35	35.443
149*	12.34	35.532
198	10.56	35.330
297*	8.44	35.112
396	6.45	35.034
496*	5.23	35.004
595	4.70	35.006
694	4.52	35.007
793	4.31	34.996
892*	4.13	34.988
991	4.04	34.982
1189*	3.82	34.971
1387*	3.68	34.972

LAT. 36° 14'N
LONG. 71° 02'W
DEPTH 4334 m
GMT 2130

DEPTH	T	S
m	oC	o/oo
1	18.83	36.347
25	18.55	36.346
50	18.48	36.348
99	18.12	36.330
149*	17.82	36.284
199	17.66	36.262
298*	17.39	36.215
397	14.51	35.860
495*	12.83	35.636
593	10.75	35.365
691*	8.58	35.150
789	7.12	35.083
886*	5.99	35.046
983	5.17	35.030
1177*	4.42	34.997

STATION # 25
DATE 20 IV 59
LAT. 36° 13'N
LONG. 73° 20'W
DEPTH 3363 m
GMT 1711

DEPTH	T	S
m	oC	o/oo
1	15.49	35.935
24	15.47	35.743
48	12.47	35.915
96	12.55	35.797
143*	12.19	35.527
191	11.23	35.409
277*	8.89	35.134
382	6.43	35.033
478*	5.50	35.060
573	4.91	35.010
669	4.60	35.003
764	4.27	34.994
860*	4.17	34.983
955	4.02	34.973
1146*	3.87	34.966

STATION # 26
DATE 20 IV 59
LAT. 36° 15'N
LONG. 73° 07'W
DEPTH 3524 m
GMT 2041

DEPTH	T	S
m	oC	o/oo
1	19.21	36.022
22	16.12	35.645
44	13.33	35.424
89	11.92	35.330
134*	12.04	35.444
181	11.23	35.409
277*	8.89	35.134
377	6.68	35.045
478*	5.50	35.060
579	4.71	35.003
681	4.61	35.016
782	4.39	35.011
884*	4.23	35.005
987	4.11	34.996
1190*	3.87	34.985

STATION # 27
DATE 20 IV 59
LAT. 36° 14'N
LONG. 72° 56'W
DEPTH 3641 m
GMT 2342

DEPTH	T	S
m	oC	o/oo
1	19.21	36.004
25	16.62	35.707
50	13.68	35.333
100	12.02	35.326
149*	11.77	35.452
198	11.05	35.206
299*	9.03	35.185
398	6.83	35.067
498*	5.41	35.023
597	4.69	35.030
697*	4.51	35.021
796	4.29	35.008
896*	4.13	34.995
995	4.04	34.990
1194	3.86	34.983

STATION # 28
DATE 21 IV 59
LAT. 36° 16'N
LONG. 72° 35'W
DEPTH 3731 m
GMT 0316

DEPTH	T	S
m	oC	o/oo
1	15.99	35.401
25	14.40	35.158
50	11.04	34.843
99	10.91	34.928
148*	11.30	35.174
198	11.05	35.206
298*	9.38	35.201
397	7.77	35.076
496*	6.19	35.034
595	5.18	35.035
694	4.65	35.022
794	4.38	35.007
893*	4.24	35.001
992	4.16	35.001
1190*	3.89	34.978

STATION # 29
DATE 21 IV 59
LAT. 36° 19'N
LONG. 72° 14'W
DEPTH 3820 m
GMT 0733

DEPTH	T	S
m	oC	o/oo
1	22.50	36.238
23	21.71	36.200
46	20.87	36.168
91	17.12	36.099
137*	11.62	35.044
182	11.05	35.063
271*	11.32	35.220
360	10.67	35.335
448*	8.85	35.168
530	6.90	35.053
623	5.68	35.060
710	5.00	35.039
797*	4.68	34.990
890	4.29	34.981
1085*	4.08	34.973

STATION # 30
DATE 21 IV 59
LAT. 36° 15'N
LONG. 71° 50'W
DEPTH 4085 m
GMT 1307

DEPTH	T	S
m	oC	o/oo
1	24.55	36.335
25	24.57	36.335
46	24.56	36.336
98	24.53	36.351
147*	21.58	36.432
196	20.65	36.558
293*	18.76	36.517
390	17.21	36.314
486*	13.25	35.710
577	9.92	35.257
666*	7.93	35.090
757	6.26	35.016
848*	5.42	35.011
941	5.13	35.044
1130*	4.38	35.001

STATION # 31
DATE 21 IV 59
LAT. 36° 15'N
LONG. 71° 28'W
DEPTH 4217 m
GMT 1705

DEPTH	T	S
m	oC	o/oo
1	24.54	36.357
23	24.54	36.356
46	24.48	36.367
92	22.38	36.486
138*	20.77	36.495
184	18.88	36.486
276*	18.67	36.541
368	17.91	36.471
461*	17.33	36.376
554	15.72	36.085
646*	12.75	35.633
741	10.31	35.341
835*	8.31	35.160
930	6.41	35.088
1119*	4.75	34.994

STATION # 32
DATE 21 IV 59
LAT. 36° 14'N
LONG. 71° 02'W
DEPTH 4334 m
GMT 2130

DEPTH	T	S
m	oC	o/oo
1	18.83	36.347
25	18.55	36.346
50	18.48	36.348
99	18.12	36.330
149*	17.82	36.284
199	17.66	36.262
298*	17.39	36.215
397	14.51	35.860
495*	12.83	35.636
593	10.75	35.365
691*	8.58	35.150
789	7.12	35.083
886*	5.99	35.046
983	5.17	35.030
1177*	4.42	34.997

STATION # 33
DATE 21 IV 59
LAT. 36° 14'N
LONG. 71° 02'W
DEPTH 4334 m
GMT 2130

DEPTH	T	S
m	oC	o/oo
1	18.83	36.347
25	18.55	36.346
50	18.48	36.348
99	18.12	36.330
149*	17.82	36.284
199	17.66	36.262
298*	17.39	36.215
397	14.51	35.860
495*	12.83	35.636
593	10.75	35.365
691*	8.58	35.150
789	7.12	35.083
886*	5.99	35.046
983	5.17	35.030
1177*	4.42	34.997

STATION # 33				STATION # 34				STATION # 35				STATION # 36				STATION # 37				STATION # 38				STATION # 39				STATION # 40											
DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S	
m	oC	o/oo		m	oC	o/oo		m	oC	o/oo		m	oC	o/oo		m	oC	o/oo		m	oC	o/oo		m	oC	o/oo		m	oC	o/oo		m	oC	o/oo		m	oC	o/oo	
1	19.75	36.505		1	22.41	36.450		1	21.16	36.384		1	20.20	36.438		1	22.73	36.380		1	19.09	36.496		1	18.68	36.424		1	19.09	36.496		1	18.68	36.424		1	18.68	36.424	
25	19.57	36.500		25	22.41	36.448		24	21.09	36.404		24	20.19	36.438		25	22.72	36.382		25	19.10	36.493		25	18.54	36.425		25	19.10	36.493		25	18.54	36.425		25	18.54	36.425	
50	19.50	36.504		50	22.40	36.448		48	19.82	36.460		48	20.19	36.450		46	22.60	36.471		46	19.09	36.494		50	18.54	36.443		50	19.09	36.494		50	18.54	36.443		50	18.54	36.443	
100	19.00	36.494		100	21.03	36.483		97	19.56	36.474		95	20.08	36.477		92	21.89	36.502		92	18.96	36.499		99	18.41	36.450		99	18.96	36.499		99	18.41	36.450		99	18.41	36.450	
150*	18.93	36.494		150*	20.11	36.494		145*	19.22	36.493		143*	19.44	36.499		147*	19.19	36.496		137*	20.42	36.661		149*	18.54	36.485		149*	18.54	36.485		149*	18.54	36.485		149*	18.54	36.485	
200	18.93	36.494		200	19.81	36.490		194	18.97	36.508		191	19.20	36.519		183	19.44	36.591		183	19.44	36.591		199	18.11	36.466		199	18.11	36.466		199	18.11	36.466		199	18.11	36.466	
300*	18.32	36.501		300*	19.02	36.492		293*	18.64	36.504		287*	18.41	36.480		196	19.00	36.497		183	19.44	36.591		298*	17.93	36.444		298*	17.93	36.444		298*	17.93	36.444		298*	17.93	36.444	
399	17.74	36.453		399	18.62	36.526		390	18.11	36.491		383	18.00	36.468		366	17.27	36.377		366	17.27	36.377		397	17.59	36.428		397	17.59	36.428		397	17.59	36.428		397	17.59	36.428	
499*	16.92	36.308		499*	17.93	36.458		489*	17.63	36.435		480*	17.67	36.444		458*	15.58	36.102		458*	15.58	36.102		496*	16.60	36.253		496*	16.60	36.253		496*	16.60	36.253		496*	16.60	36.253	
598	15.21	36.020		598	17.07	36.319		588	16.77	36.297		577	17.25	36.369		569	16.95	36.313		569	16.95	36.313		596	15.84	36.120		596	15.84	36.120		596	15.84	36.120		596	15.84	36.120	
698	13.11	35.690		698	15.72	36.100		688	15.35	36.039		674	15.69	36.088		687*	15.20	36.019		687*	15.20	36.019		794	12.12	35.558		794	12.12	35.558		794	12.12	35.558		794	12.12	35.558	
797	10.72	35.379		798	13.42	35.732		788	13.17	35.696		772	13.48	35.760		785	12.99?			785	12.99?		687*	9.74	35.230		687*	9.74	35.230		687*	9.74	35.230		687*	9.74	35.230		
897*	8.61	35.161		897*	11.46	35.475		888*	11.29	35.429		870*	11.53	35.478		883*	10.07	35.276		883*	10.07	35.276		883*	10.07	35.276		883*	10.07	35.276		883*	10.07	35.276		883*	10.07	35.276	
995	---	35.044		997	8.85	35.137		986	9.47	35.214		968	9.33	35.198		981	7.90	35.120		981	7.90	35.120		981	7.90	35.120		981	7.90	35.120		981	7.90	35.120		981	7.90	35.120	
1194*	4.61	35.002		1196*	5.66	35.037		1182*	5.98	35.052		1136*	5.98	35.040		1177*	5.69	35.032		1177*	5.69	35.032		1169	4.67	35.004		1169	4.67	35.004		1169	4.67	35.004		1169	4.67	35.004	
1423*	4.19	34.986		1484*	4.39	34.992		1303*	4.90	35.014		1487*	4.37	34.990		1286*	4.69	34.992		1286*	4.69	34.992		1423*	4.54	35.012		1423*	4.54	35.012		1423*	4.54	35.012		1423*	4.54	35.012	
1717	3.84	34.970		1781	4.01	34.980		1597	4.21	34.986		1784	3.96	34.980		1559	4.24	34.989		1559	4.24	34.989		1717	4.03	34.985		1717	4.03	34.985		1717	4.03	34.985		1717	4.03	34.985	
2013*	3.68	34.971		2078*	3.77	34.980		1893*	3.87	34.969		2081*	3.77	34.972		1835*	3.93	34.972		1835*	3.93	34.972		2012*	3.76	34.973		2012*	3.76	34.973		2012*	3.76	34.973		2012*	3.76	34.973	
2306	3.49	34.969		2376	3.55	34.972		2192	3.68	34.966		2378	3.56	34.972		2115	3.73	34.968		2115	3.73	34.968		2306	3.58	34.976		2306	3.58	34.976		2306	3.58	34.976		2306	3.58	34.976	
2601*	3.25	34.963		2674*	3.32	34.964		2491*	3.48	34.975		2676*	3.34	34.964		2401*	3.52	34.966		2401*	3.52	34.966		2603*	3.28	34.975		2603*	3.28	34.975		2603*	3.28	34.975		2603*	3.28	34.975	
2893	2.98	34.951		2972	3.03	34.952		2793	3.25	34.961		2792	3.25	34.961		2779	3.24	34.960		2779	3.24	34.960		2896	3.09	34.962		2896	3.09	34.962		2896	3.09	34.962		2896	3.09	34.962	
3185*	2.72	34.938		3270*	2.73	34.940		3096*	2.97	34.933		3469*	2.62	34.948		2842	3.13	34.957		2842	3.13	34.957		3394*	2.68	34.937		3394*	2.68	34.937		3394*	2.68	34.937					
3481	2.49	34.926		3568	2.48	34.918		3402	2.40	34.936		3865	2.40	34.932		3542	2.62	34.932		3542	2.62	34.932		3789	2.41	34.918		3789	2.41	34.918		3789	2.41	34.918					
3773*	2.35	34.915		3865*	2.34	34.915		3808*	2.37	34.931		4261*	2.34	34.909		3932*	2.42	34.918		3932*	2.42	34.918		4189*	2.31	34.914		4189*	2.31	34.914		4189*	2.31	34.914					
4066	2.28	34.907		4162	2.28	34.907		4212	2.28	34.908		4658	2.32	34.902		4329	2.32	34.905		4329	2.32	34.905		4586	2.27	34.905		4586	2.27	34.905		4586	2.27	34.905					
4358*	2.23	34.901		4460*	2.23	34.897		4617*	2.27	34.899		5054*	2.34	34.900		4727*	2.33	34.903		4727*	2.33	34.903		4830*	2.32	34.908		4830*	2.32	34.908		4830*	2.32	34.908					

LAT. 30° 56'N	LAT. 29° 27'N	LAT. 28° 03'N	LAT. 26° 51'N	LAT. 25° 37'N	LAT. 24° 32'N	LAT. 23° 04'N	LAT. 22° 18'N
LONG. 60° 33'W	LONG. 56° 46'W	LONG. 52° 48'W	LONG. 49° 01'W	LONG. 45° 38'W	LONG. 42° 12'W	LONG. 38° 56'W	LONG. 36° 35'W
DEPTH 5210 m	DEPTH 5860 m	DEPTH 5280 m	DEPTH 5180 m	DEPTH 3135 m	DEPTH 3595 m	DEPTH 5560 m	DEPTH 5310 m
GMT 1331 BT 65	GMT 1244 BT 83-84	GMT 1241 BT 104-105	GMT 1155 BT 124-125	GMT 1140 BT 135	GMT 1148 BT 155-156	GMT 1151 BT 177-178	GMT 0800 BT 194
1 21.72 36.842	1 21.14 36.804	1 22.09 37.040	1 22.07 37.017	1 22.91 37.210	1 22.54 37.288	1 22.23 37.282	1 22.22 37.121
135 21.52 36.845	110 20.60 36.720	95 21.19 36.893	95 21.19 36.893	100 21.98 36.988	100 21.98 36.988	105 21.75 37.220	85 22.02 37.112
160 21.22 36.794	130 20.38 36.717	120 19.46 36.672	120 19.46 36.672	125 22.02 37.076	125 20.32 36.830	125 19.81 36.862	105 21.47 37.091
185 19.89 36.658	175 18.38 36.530	195 18.47 36.537	195 18.47 36.537	200 18.63 36.567	200 18.35 36.556	165 17.95 36.536	170 19.46 36.765
275 18.22 36.498	295 17.75 36.459	265 17.67 36.453	290 17.31 36.402	300 17.46 36.420	300 16.97 36.346	250 15.47 36.105	260 17.09 36.396
365* 17.70 36.454	395* 17.21 36.378	360* 17.22 36.346	395 16.46 36.263	400 16.22 36.200	400* 15.22 36.067	335* 14.26 35.926	345 14.73 36.012
460 17.42 36.413	495 15.94 36.096	455 15.71 36.116	490 16.00 ---	500 14.30 35.920	500 13.58 35.822	445 12.99 35.753	445 12.99 35.753
550 16.59 36.264	595 --- 35.865	585 13.27 35.780	585 13.27 35.780	600 12.41 35.653	600 11.93 35.614	505* 12.27 35.662	535 11.34 35.550
645 15.17 36.030	690 12.01 35.604	685 11.58 ---	685 11.58 ---	700 10.67 35.446	700 10.34 35.416	595 10.92 35.511	630 9.79 35.372
735* 13.48 35.780	790* 10.19 35.389	750* 10.33 35.419	780* 10.17 ---	800* 8.96 35.244	800* 8.69 35.236	685* 9.91 35.397	725* 8.64 35.224
830 11.83 35.574	890 8.48 35.251	850 8.86 35.272	880 --- ---	900 7.31 35.086	895 7.27 35.087	770 8.85 35.272	815 7.19 35.050
920* 10.15 35.398	985* 7.08 35.150	950* 7.03 35.076	975* 7.43 35.173	1000* 6.54 35.050	995* 6.50 35.040	860* 7.77 35.168	910* 6.47 34.984
1110 7.29 35.172	1185 5.70 35.130	1145 5.76 35.107	1170 5.93 35.118	1200 5.65 35.123	1195 5.44 35.044	1045 6.36 35.093	1105 5.72 35.022
1295* 5.75 ---	1380* 4.97 35.101	1340* 5.22 35.128	1365* 5.47 35.172	1400* 5.11 35.137	1395* 5.05 35.094	1230* 5.32 35.058	1300* 5.28 35.062
1385* 5.42 35.122	1745* 4.13 35.056	1550* 4.55 35.093	1565* 4.70 35.126	1595* 4.51 35.092	1595* 4.59 35.090	1580* 4.41 35.056	1255* 5.35 35.060
1570 4.80 35.091	1570 4.03 35.047	1750 4.29 35.086	1760 4.29 35.086	1795 4.06 35.061	1795 4.01 35.046	1760 4.06 35.033	1435 4.93 35.072
1750* 4.32 35.061	2035 --- 34.982	1945 --- 35.018	1960* 3.84 ---	1995 --- 35.015	1995* 3.63 35.022	1940* 3.74 35.021	1800* 4.08 35.051
1935 3.97 35.035	2630 --- 34.964	2240 3.35 34.992	2355 3.22 35.000	2195 3.33 34.998	2195 3.28 34.990	2305 3.31 34.986	2160 3.48 35.004
2210* 3.59 35.004	2930 34.954	2635* 3.05 34.982	2750* 2.96 34.977	2395* 3.13 34.976	2395* 3.09 34.973	2680* 2.96 34.966	2535* 3.07 34.974
2675 3.20 34.984	3225 --- 34.937	3030 --- 34.952	3145 --- 34.947	2595 3.01 34.963	2595 2.94 34.960	3055 2.72 34.944	2900 2.81 34.954
3145* 2.87 34.953	3620* 2.44 34.923	3425* 2.51 34.938	3540* 2.51 34.938	2795* 2.64 34.950	2795* 2.77 34.950	3430* 2.54 34.930	3275* 2.58 34.940
3610 2.57 34.932	4110 2.27 34.896	3825 2.33 34.909	3935 2.33 34.914	2995 2.64 34.942	2995 2.64 34.942	3900 2.43 34.908	3745 2.44 34.908
4085* 2.37 34.916	4610* 2.13 34.883	4330* 2.25 ---	4330* 2.25 ---	3195 2.56 34.934	3195 2.56 34.934	4375* 2.39 34.897	4220* 2.41 34.902
4565 2.30 34.901	5100 2.09 34.867	4600 2.11 34.879	4725 2.25 34.896	3395 2.52 34.896	3395 2.52 34.896	4855 2.36 34.896	4705 2.40 34.898
5600 2.13 34.862	5060* 2.11 34.876	5020* 2.25 34.897	5020* 2.25 34.897	5345* 2.39 34.886	5345* 2.39 34.886	5195* 2.38 34.890	5195* 2.38 34.890

DEPTH m	T °C	S o/oo	DEPTH m	T °C	S o/oo	DEPTH m	T °C	S o/oo
1	21.84	37.078	1	21.41	36.855	1	21.68	36.091
145	---	36.902	130	17.94	36.311	25	21.64	36.071
170	19.10	36.766	155	16.88	36.151	50	21.09	36.331
195	17.88	36.524	175	16.77	36.124	100	14.23	35.564
295	15.95	36.194	265	14.96	36.014	190	12.58	35.797
395	13.93	35.866	335	13.25	35.747	285	11.67	35.341
495	12.31	35.535	445	11.90	35.574	385	10.72	35.283
595*	10.73	35.464	545	10.56	35.434	480	9.64	35.227
690	9.01	35.264	625	9.14	35.289	575	8.72	35.077
790*	7.88	35.141	720*	7.78	35.112	675	7.78	34.997
890	6.89	35.046	810	7.23	35.077	770*	7.20	34.890
985*	6.29	35.035	900*	6.61	35.050	870	6.41	34.883
1185	5.56	35.069	1090	5.87	35.052	965*	6.09	34.901
1385*	5.03	35.078	1280*	5.26	35.080	1165	5.65	34.939
1460*	4.92	35.092	1380*	4.88	35.083	1360	5.08	35.069
1755	4.25	35.052	1560*	4.31	35.051	1560*	4.54	35.051
2050*	3.61	35.016	1835*	3.77	35.015	1760	4.01	35.031
2445	3.17	34.984	2445	3.17	34.984	2055*	3.53	35.003
2840*	2.86	34.964	2840*	3.17	34.984	2350	3.25	34.977
3235	2.60	34.942	3235	2.93	34.977	2650*	3.00	34.961
3635*	2.45	34.910	3635*	2.72	34.944	2945	2.84	34.945
4035	2.40	34.908	4035	2.54	34.925	2965*	2.66	34.934
4120*	2.39	34.913	4120*	2.44	34.921	3540	2.52	34.923
4515	2.40	34.902	4515	2.40	34.902	3840	2.43	34.917
5000*	2.44	34.903	5000*	2.37	34.902	4065*	2.37	34.902

DEPTH m	T °C	S o/oo	DEPTH m	T °C	S o/oo	DEPTH m	T °C	S o/oo
1	21.84	37.078	1	21.41	36.855	1	21.68	36.091
145	---	36.902	130	17.94	36.311	25	21.64	36.071
170	19.10	36.766	155	16.88	36.151	50	21.09	36.331
195	17.88	36.524	175	16.77	36.124	100	14.23	35.564
295	15.95	36.194	265	14.96	36.014	190	12.58	35.797
395	13.93	35.866	335	13.25	35.747	285	11.67	35.341
495	12.31	35.535	445	11.90	35.574	385	10.72	35.283
595*	10.73	35.464	545	10.56	35.434	480	9.64	35.227
690	9.01	35.264	625	9.14	35.289	575	8.72	35.077
790*	7.88	35.141	720*	7.78	35.112	675	7.78	34.997
890	6.89	35.046	810	7.23	35.077	770*	7.20	34.890
985*	6.29	35.035	900*	6.61	35.050	870	6.41	34.883
1185	5.56	35.069	1090	5.87	35.052	965*	6.09	34.901
1385*	5.03	35.078	1280*	5.26	35.080	1165	5.65	34.939
1460*	4.92	35.092	1380*	4.88	35.083	1360	5.08	35.069
1755	4.25	35.052	1560*	4.31	35.051	1560*	4.54	35.051
2050*	3.61	35.016	1835*	3.77	35.015	1760	4.01	35.031
2445	3.17	34.984	2445	3.17	34.984	2055*	3.53	35.003
2840*	2.86	34.964	2840*	3.17	34.984	2350	3.25	34.977
3235	2.60	34.942	3235	2.93	34.977	2650*	3.00	34.961
3635*	2.45	34.910	3635*	2.72	34.944	2945	2.84	34.945
4035	2.40	34.908	4035	2.54	34.925	2965*	2.66	34.934
4120*	2.39	34.913	4120*	2.44	34.921	3540	2.52	34.923
4515	2.40	34.902	4515	2.40	34.902	3840	2.43	34.917
5000*	2.44	34.903	5000*	2.37	34.902	4065*	2.37	34.902

STATION # 80	STATION # 81	STATION # 82	STATION # 83	STATION # 84	STATION # 85	STATION # 86	STATION # 87
DATE 13 II 57	DATE 14 II 57	DATE 16 II 57	DATE 17 II 57	DATE 21 II 57	DATE 21 II 57	DATE 1 III 57	DATE 3 III 57
LAT. 21° 13'N	LAT. 20° 13'N	LAT. 18° 07'N	LAT. 16° 26'N	LAT. 14° 39'N	LAT. 14° 40'N	LAT. 8° 18'S	LAT. 8° 14'S
LONG. 33° 25'W	LONG. 30° 31'W	LONG. 25° 53'W	LONG. 21° 32'W	LONG. 17° 38'W	LONG. 17° 44'W	LONG. 7° 42'E	LONG. 9° 58'E
DEPTH 5265 m	DEPTH 4605 m	DEPTH 3940 m	DEPTH 3750 m	DEPTH 326 m	DEPTH 930 m	DEPTH 4605 m	DEPTH 4160 m
GMT 1044 BT 217	GMT 1654 BT 237-238	GMT 0651 BT 272-273	GMT 1615 BT 302-303	GMT 0643 BT 326	GMT 0854 BT 327	GMT 1512 BT 521	GMT 0231 BT 533-534
1 21.84 37.078	1 21.41 36.855	1 21.68 36.091	1 20.19 35.482	1 18.50 35.540	1 18.65 35.536	1 22.23 37.282	1 22.22 37.121
145 --- 36.902	130 17.94 36.311	25 21.64 36.071	45 20.11 35.479	50 16.22 35.557	65 14.88 35.506	85 22.02 37.112	85 22.02 37.112
170 19.10 36.766	155 16.88 36.151	50 21.09 36.331	90 14.31 35.564	100 13.97 35.402	135 13.32 35.334	105 21.75 37.220	105 21.75 37.220
195 17.88 36.524	175 16.77 36.124	100 14.23 35.564	185 12.65 35.576	145 13.19 35.324	185 13.66 35.481	125 20.32 36.830	125 20.32 36.830
295 15.95 36.194	265 14.96 36.014	190 12.58 35.797	275 11.67 35.341	195 12.86 35.288	205 12.53 35.249	165 17.95 36.536	165 17.95 36.536
395 13.93 35.866	335 13.25 35.747	285 11.67 35.341	385 10.72 35.283	245* 12.64 35.290	275 11.89 35.220	250 15.47 36.105	250 15.47 36.105
495 12							

LAT.	LONG.	DEPTH	GMT	BT	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	
8° 16'S	10° 53'W	3525 m	0735	BT 663-664	8° 16'S	10° 53'W	3525 m	0735	8° 16'S	10° 53'W	3525 m	0735	BT 663-664	
o/c	o/oo	m	o/c	o/oo	o/c	o/oo	m	o/c	o/c	o/oo	m	o/c	o/oo	
1	26.64	36.311	1	26.74	36.405	1	26.68	36.318	1	26.92	36.189	1	26.93	36.180
75	22.62	36.491	40	26.35	36.341	45	26.46	36.296	45	25.16	36.216	50	26.91	36.186
155	12.44	35.214	70	24.08	36.390	95	20.76	36.279	85	19.47	35.993	100	20.63	36.347
230	10.00	34.928	140	16.25	35.767	195	11.86	35.139	175	11.85	35.035	190	11.35	35.092
310	8.84	34.799	210	11.17	35.067	290	9.86	34.903	285	9.21	34.843	285	8.59	34.875
390*	7.86	34.698	280*	9.04	34.817	390*	8.50	34.773	355*	8.83	34.789	380	8.55	34.751
475	7.00	34.629	345	8.11	34.720	485	7.31	34.658	445	7.70	34.689	475*	7.38	34.661
565	---	34.546	420	7.58	34.663	580*	6.10	34.554	590*	6.11	34.552	570	6.23	34.557
650	5.47	34.509	495	6.96	34.604	635	5.69	34.522	685	5.23	34.491	665*	5.28	34.493
735*	4.90	34.486	627	6.27	34.563	780*	4.62	34.472	855	4.62	34.478	765*	4.74	34.475
825	4.51	34.477	655	5.07	34.517	875	4.18	34.504	880	4.20	34.497	860*	4.25	34.470
920*	4.10	34.536	740*	5.13	34.487	975*	4.01	34.538	985	3.98	34.578	955	4.01	34.532
1100	4.05	34.686	910	4.21	34.507	1165	4.13	34.779	1175	4.07	34.735	1050*	3.97	34.607
1285*	4.07	34.847	1080*	4.00	34.636	1350*	4.10	34.867	1375*	4.09	34.859	1340*	4.20	34.697
1450*	3.94	34.900	1060*	3.96	34.603	1575*	4.01	34.944	1555*	3.87	34.939	1630*	3.73	34.949
1650	3.73	34.932	1220	4.07	34.772	1750	3.57	34.942	1750	3.55	34.956	1930	3.33	34.935
1845*	3.44	34.955	1380*	3.93	34.917	1975*	3.31	34.932	2045*	3.17	34.935	2225*	3.05	34.918
2040	3.27	34.933	1630	3.65	34.942	2175	3.09	34.929	2340	2.93	34.925	2515	2.84	34.924
2235*	3.11	34.932	1895*	3.34	34.932	2375*	2.96	34.916	2635*	2.78	34.915	2805*	2.71	34.920
2525	2.84	---	2155	3.04	34.924	2575	2.84	34.910	2930	2.70	34.913	3100	---	---
2820*	2.62	---	2430*	2.86	34.916	2775	2.75	34.910	3230*	2.56	34.911	3400*	2.53	34.910
3115	2.47	34.901	2975	2.60	34.904	3310	2.49	34.904	3525	2.42	34.897	3890	2.06	34.730
3410*	2.46	34.893	3175*	2.56	34.896	3495*	2.33	34.890	3825*	2.18	34.875	4380*	1.02	34.757
1450*	3.94	34.900	1060*	3.96	34.603	1575*	4.01	34.944	1555*	3.87	34.939	1630*	3.73	34.949
1650	3.73	34.932	1220	4.07	34.772	1750	3.57	34.942	1750	3.55	34.956	1930	3.33	34.935
1845*	3.44	34.955	1380*	3.93	34.917	1975*	3.31	34.932	2045*	3.17	34.935	2225*	3.05	34.918
2040	3.27	34.933	1630	3.65	34.942	2175	3.09	34.929	2340	2.93	34.925	2515	2.84	34.924
2235*	3.11	34.932	1895*	3.34	34.932	2375*	2.96	34.916	2635*	2.78	34.915	2805*	2.71	34.920
2525	2.84	---	2155	3.04	34.924	2575	2.84	34.910	2930	2.70	34.913	3100	---	---
2820*	2.62	---	2430*	2.86	34.916	2775	2.75	34.910	3230*	2.56	34.911	3400*	2.53	34.910
3115	2.47	34.901	2975	2.60	34.904	3310	2.49	34.904	3525	2.42	34.897	3890	2.06	34.730
3410*	2.46	34.893	3175*	2.56	34.896	3495*	2.33	34.890	3825*	2.18	34.875	4380*	1.02	34.757
1450*	3.94	34.900	1060*	3.96	34.603	1575*	4.01	34.944	1555*	3.87	34.939	1630*	3.73	34.949
1650	3.73	34.932	1220	4.07	34.772	1750	3.57	34.942	1750	3.55	34.956	1930	3.33	34.935
1845*	3.44	34.955	1380*	3.93	34.917	1975*	3.31	34.932	2045*	3.17	34.935	2225*	3.05	34.918
2040	3.27	34.933	1630	3.65	34.942	2175	3.09	34.929	2340	2.93	34.925	2515	2.84	34.924
2235*	3.11	34.932	1895*	3.34	34.932	2375*	2.96	34.916	2635*	2.78	34.915	2805*	2.71	34.920
2525	2.84	---	2155	3.04	34.924	2575	2.84	34.910	2930	2.70	34.913	3100	---	---
2820*	2.62	---	2430*	2.86	34.916	2775	2.75	34.910	3230*	2.56	34.911	3400*	2.53	34.910
3115	2.47	34.901	2975	2.60	34.904	3310	2.49	34.904	3525	2.42	34.897	3890	2.06	34.730
3410*	2.46	34.893	3175*	2.56	34.896	3495*	2.33	34.890	3825*	2.18	34.875	4380*	1.02	34.757
1450*	3.94	34.900	1060*	3.96	34.603	1575*	4.01	34.944	1555*	3.87	34.939	1630*	3.73	34.949
1650	3.73	34.932	1220	4.07	34.772	1750	3.57	34.942	1750	3.55	34.956	1930	3.33	34.935
1845*	3.44	34.955	1380*	3.93	34.917	1975*	3.31	34.932	2045*	3.17	34.935	2225*	3.05	34.918
2040	3.27	34.933	1630	3.65	34.942	2175	3.09	34.929	2340	2.93	34.925	2515	2.84	34.924
2235*	3.11	34.932	1895*	3.34	34.932	2375*	2.96	34.916	2635*	2.78	34.915	2805*	2.71	34.920
2525	2.84	---	2155	3.04	34.924	2575	2.84	34.910	2930	2.70	34.913	3100	---	---
2820*	2.62	---	2430*	2.86	34.916	2775	2.75	34.910	3230*	2.56	34.911	3400*	2.53	34.910
3115	2.47	34.901	2975	2.60	34.904	3310	2.49	34.904	3525	2.42	34.897	3890	2.06	34.730
3410*	2.46	34.893	3175*	2.56	34.896	3495*	2.33	34.890	3825*	2.18	34.875	4380*	1.02	34.757
1450*	3.94	34.900	1060*	3.96	34.603	1575*	4.01	34.944	1555*	3.87	34.939	1630*	3.73	34.949
1650	3.73	34.932	1220	4.07	34.772	1750	3.57	34.942	1750	3.55	34.956	1930	3.33	34.935
1845*	3.44	34.955	1380*	3.93	34.917	1975*	3.31	34.932	2045*	3.17	34.935	2225*	3.05	34.918
2040	3.27	34.933	1630	3.65	34.942	2175	3.09	34.929	2340	2.93	34.925	2515	2.84	34.924
2235*	3.11	34.932	1895*	3.34	34.932	2375*	2.96	34.916	2635*	2.78	34.915	2805*	2.71	34.920
2525	2.84	---	2155	3.04	34.924	2575	2.84	34.910	2930	2.70	34.913	3100	---	---
2820*	2.62	---	2430*	2.86	34.916	2775	2.75	34.910	3230*	2.56	34.911	3400*	2.53	34.910
3115	2.47	34.901	2975	2.60	34.904	3310	2.49	34.904	3525	2.42	34.897	3890	2.06	34.730
3410*	2.46	34.893	3175*	2.56	34.896	3495*	2.33	34.890	3825*	2.18	34.875	4380*	1.02	34.757
1450*	3.94	34.900	1060*	3.96	34.603	1575*	4.01	34.944	1555*	3.87	34.939	1630*	3.73	34.949
1650	3.73	34.932	1220	4.07	34.772	1750	3.57	34.942	1750	3.55	34.956	1930	3.33	34.935
1845*	3.44	34.955	1380*	3.93	34.917	1975*	3.31	34.932	2045*	3.17	34.935	2225*	3.05	34.918
2040	3.27	34.933	1630	3.65	34.942	2175	3.09	34.929	2340	2.93	34.925	2515	2.84	34.924
2235*	3.11	34.932	1895*	3.34	34.932	2375*	2.96	34.916	2635*	2.78	34.915	2805*	2.71	34.920
2525	2.84	---	2155	3.04	34.924	2575	2.84	34.910	2930	2.70	34.913	3100	---	---
2820*	2.62	---	2430*	2.86	34.916	2775	2.75	34.910	3230*	2.56	34.911	3400*	2.53	34.910
3115	2.47	34.901	2975	2.60	34.904	3310	2.49	34.904	3525	2.42	34.897	3890	2.06	34.730
3410*	2.46	34.893	3175*	2.56	34.896	3495*	2.33	34.890	3825*	2.18	34.875	4380*	1.02	34.757
1450*	3.94	34.900	1060*	3.96	34.603	1575*	4.01	34.944	1555*	3.87	34.939	1630*	3.73	34.949
1650	3.73	34.932	1220	4.07	34.772	1750	3.57	34.942	1750	3.55	34.956	1930	3.33	34.935
1845*	3.44	34.955	1380*	3.93	34.917	1975*	3.31	34.932	2045*	3.17	34.935	2225*	3.05	34.918
2040	3.27	34.933	1630	3.65	34.942	2175	3.09	34.929	2340	2.93	34.925	2515	2.84	34.924
2235*	3.11	34.932	1895*	3.34	34.932	2375*	2.96	34.916	2635*	2.78				

LAT.	8° 14'N	LAT.	8° 11'N	LAT.	8° 16'N	LAT.	8° 13'N	LAT.	8° 12'N	LAT.	8° 14'N	LAT.	8° 15'N
LONG.	35° 51'W	LONG.	37° 29'W	LONG.	39° 08'W	LONG.	40° 50'W	LONG.	42° 33'W	LONG.	44° 13'W	LONG.	47° 36'W
DEPTH	4785 m	DEPTH	4075 m	DEPTH	3825 m	DEPTH	4840 m	DEPTH	4800 m	DEPTH	4570 m	DEPTH	4470 m
GMT	2122 BT 1400	GMT	0952 BT 1408-1409	GMT	2340 BT 1418-1419	GMT	1106 BT 1429-1430	GMT	2327 BT 1439-1440	GMT	0104 BT 1458	GMT	1343 BT 1467
DEPTH	1	1	1	1	1	1	1	1	1	1	1	1	1
T °C	25.90	26.18	26.47	26.43	26.42	26.43	26.30	26.42	26.37	26.67	26.76	27.07	27.07
S ‰	36.000	35.851	35.817	36.044	36.054	36.044	36.050	36.054	36.220	36.034	35.968	35.968	35.968
DEPTH	60	65	70	80	100	100	100	100	100	95	95	70	70
T °C	24.61	26.20	26.00	26.30	26.46	26.30	26.173	26.46	25.37	25.37	26.02	25.42	25.42
S ‰	36.099	35.971	36.077	36.050	36.053	36.050	36.077	36.053	36.211	36.033	36.033	36.132	36.132
DEPTH	85	95	100	100	195	100	100	195	195	195	195	100	100
T °C	19.20	25.38	24.23	26.32	11.54	26.32	26.049	11.54	25.06	11.84	11.84	24.49	24.49
S ‰	35.994	36.117	36.077	36.049	34.935	36.049	35.146	34.935	35.295	34.975	34.975	35.116	35.116
DEPTH	170	190	200	200	290	200	290	290	290	290	290	200	200
T °C	10.27	13.44	11.04	10.45	9.19	10.45	9.19	9.19	12.41	9.52	9.52	10.83	10.83
S ‰	34.990	35.355	35.100	34.935	34.861	34.935	34.861	34.861	34.816	34.816	34.816	34.824	34.824
DEPTH	255	285	295	300	385	300	385	385	385	390	390	285	285
T °C	9.16	9.64	9.34	9.05	8.02	9.05	8.02	8.02	9.35	8.42	8.42	8.82	8.82
S ‰	34.856	34.945	34.875	34.819	34.758	34.875	34.758	34.758	34.892	34.816	34.816	34.824	34.824
DEPTH	340*	380*	395*	400*	480*	400*	480*	480*	480*	485*	485*	340*	340*
T °C	8.21	8.79	8.38	8.07	7.33	8.07	7.33	7.33	8.16	7.35	7.35	7.82	7.82
S ‰	34.755	34.829	34.782	34.731	34.700	34.782	34.731	34.700	34.709	34.672	34.672	34.729	34.729
DEPTH	430	475	495	500	575	500	575	575	575	580*	580*	430	430
T °C	8.27	8.43	8.43	8.07	6.69	8.07	6.69	6.69	7.47	6.71	6.71	7.06	7.06
S ‰	34.814	34.743	34.743	34.692	34.654	34.743	34.692	34.654	34.654	34.672	34.672	34.670	34.670
DEPTH	570*	720*	740*	795	875*	795	875*	875*	875*	875*	875*	570*	570*
T °C	7.27	7.49	7.49	6.66	5.80	6.66	5.80	5.80	6.69	5.84	5.84	6.43	6.43
S ‰	34.739	34.788	34.788	34.648	34.620	34.788	34.648	34.620	34.644	34.634	34.634	34.608	34.608
DEPTH	765	860*	890*	990*	1185	890*	990*	990*	990*	990*	990*	765	765
T °C	5.91	5.02	4.93	4.90	6.62	4.90	6.62	6.62	5.09	4.97	4.97	5.17	5.17
S ‰	34.643	34.643	34.643	34.643	34.643	34.643	34.643	34.643	34.643	34.643	34.643	34.643	34.643
DEPTH	1040	1155	1185	1190	1750	1190	1750	1750	1750	1750	1750	1185	1185
T °C	4.84	4.77	4.70	4.85	5.85	4.85	5.85	5.85	4.89	4.89	4.89	4.92	4.92
S ‰	34.739	34.879	34.892	34.892	34.872	34.892	34.872	34.872	34.860	34.899	34.899	34.846	34.846
DEPTH	1350	1385*	1385*	1390*	1945*	1390*	1945*	1945*	1945*	1945*	1945*	1385*	1385*
T °C	4.78	4.37	4.28	4.40	3.66	4.40	3.66	3.66	4.48	4.50	4.50	4.55	4.55
S ‰	34.868	34.968	34.972	34.972	34.966	34.972	34.966	34.966	34.964	34.977	34.977	34.967	34.967
DEPTH	1410	1410	1580	1585	1740*	1585	1740*	1740*	1740*	1740*	1740*	1585	1585
T °C	4.47	4.09	4.02	4.03	3.67	4.03	3.67	3.67	4.06	4.06	4.06	4.10	4.10
S ‰	34.970	34.975	34.983	34.983	34.965	34.983	34.965	34.965	34.985	34.985	34.985	34.978	34.978
DEPTH	1600*	1740*	1780*	1785*	2170*	1785*	2170*	2170*	2170*	2170*	2170*	1785	1785
T °C	4.04	3.72	3.66	3.67	3.67	3.67	3.67	3.67	3.65	3.65	3.65	3.76	3.76
S ‰	34.995	34.973	34.982	34.982	34.982	34.982	34.982	34.982	34.982	34.982	34.982	34.981	34.981
DEPTH	1875*	1880*	1790*	1850*	2050	1850*	2050	2050	2050	2050	2050	1875*	1875*
T °C	3.65	3.51	3.67	3.67	3.88	3.67	3.67	3.88	3.52	3.52	3.52	3.44	3.44
S ‰	34.973	34.980	34.971	34.960	34.979	34.971	34.960	34.979	34.972	34.984	34.984	34.974	34.974
DEPTH	2065	2080	1990	2045	2420*	1990	2045	2420*	2420*	2420*	2420*	2065	2065
T °C	3.38	3.30	3.44	3.45	3.80	3.44	3.45	3.80	3.36	3.36	3.36	3.24	3.24
S ‰	34.967	34.967	34.967	34.967	34.967	34.967	34.967	34.967	34.965	34.965	34.965	34.976	34.976
DEPTH	2355*	2280*	2190*	2335*	2665*	2190*	2335*	2665*	2665*	2665*	2665*	2355*	2355*
T °C	3.08	3.14	3.45	3.09	3.80	3.14	3.45	3.80	3.16	3.16	3.16	3.09	3.09
S ‰	34.952	34.950	34.960	34.960	34.947	34.960	34.960	34.947	34.955	34.955	34.955	34.971	34.971
DEPTH	2645	2480	2390	2620	1845	2390	2620	1845	2425	2425	2425	2645	2645
T °C	2.89	2.97	2.95	2.92	3.58	2.95	2.92	3.58	3.03	3.03	3.03	2.95	2.95
S ‰	34.941	34.946	34.946	34.946	34.943	34.946	34.943	34.943	34.943	34.943	34.943	34.963	34.963
DEPTH	2935*	2675*	2590*	2905	2025*	2590*	2905	2025*	2710*	2710*	2710*	2935*	2935*
T °C	2.75	2.85	2.79	2.76	3.35	2.79	2.76	3.35	2.91	2.91	2.91	2.86	2.86
S ‰	34.932	34.932	34.932	34.932	34.932	34.932	34.932	34.932	34.934	34.934	34.934	34.948	34.948
DEPTH	3230	2875	2790	3190*	2300	2790	3190*	2300	2995	2995	2995	3230	3230
T °C	2.59	2.73	2.79	2.67	3.09	2.67	3.09	3.09	2.76	2.76	2.76	2.75	2.75
S ‰	34.919	34.930	34.930	34.930	34.930	34.930	34.930	34.930	34.934	34.934	34.934	34.920	34.920
DEPTH	3525*	3075*	2990*	3485	2575*	2990*	3485	2575*	3285*	3285*	3285*	3525*	3525*
T °C	2.49	2.63	2.69	2.51	2.94	2.69	2.51	2.94	2.56	2.56	2.56	2.55	2.55
S ‰	34.909	34.925	34.927	34.917	34.917	34.927	34.917	34.917	34.924	34.924	34.924	34.920	34.920
DEPTH	3820	3275	3190	3780	2860	3190	3780	2860	3575	3575	3575	3820	3820
T °C	2.44	2.56	2.61	2.23	2.78	2.61	2.23	2.78	2.43	2.43	2.43	2.40	2.40
S ‰	34.906	34.919	34.924	34.924	34.889	34.924	34.889	34.889	34.914	34.914	34.914	34.915	34.915
DEPTH	4110*	3475*	3390*	4075*	3140*	3390*	4075*	3140*	3865*	3865*	3865*	4110*	4110*
T °C	2.37	2.46	2.48	1.86	2.57	2.48	1.86	2.57	2.30	2.30	2.30	2.31	2.31
S ‰	34.896	34.908	34.906	34.896	34.908	34.906	34.896	34.908	34.884	34.884	34.884	34.899	34.899
DEPTH	4400	4070*	3790*	4670*	3710*	3790*	4670*	3710*	4455*	4455*	4455*	4400	4400
T °C	2.37	2.42	2.33	1.76	2.41	2.33	1.76	2.41	2.17	2.17	2.17	2.24	2.24
S ‰	34.893	34.908	34.894	34.894	34.894	34.894	34.894	34.894	34.884	34.884	34.884	34.899	34.899
DEPTH	4695*	4070*	3790*	4670*	3995	3790*	4670*	3995	4280*	4280*	4280*	4695*	4695*
T °C	2.40	2.37	2.17	1.71	2.19	2.17	1.71	2.19	1.80	1.80	1.80	1.92	1.92
S ‰	34.892	34.907	34.879	34.879	34.892	34.879	34.879	34.892	34.843	34.843	34.843	34.862	34.862

STATION #	176	STATION #	177	STATION #	178	STATION #	179	STATION #	180	STATION #	181	STATION #	182	STATION #	183
DATE	18 V 57	DATE	19 V 57	DATE	19 V 57	DATE	19 V 57	DATE	20 V 57	DATE	20 V 57	DATE	20 V 57	DATE	20 V 57
LAT.	8° 15'N	LAT.	8° 11'N	LAT.	8° 14'N	LAT.	8° 17'N	LAT.	8° 19'N	LAT.	8° 25'N	LAT.	8° 26'N	LAT.	8° 19'N
LONG.	49° 15'W	LONG.	50° 54'W	LONG.	52° 38'W	LONG.	53° 28'W	LONG.	54° 18'W	LONG.	55° 10'W	LONG.	55° 57'W	LONG.	56° 52'W
DEPTH	4470 m	DEPTH	4480 m	DEPTH	2915 m	DEPTH	1210 m	DEPTH							

STATION # 184				STATION # 185				STATION # 218				STATION # 219				STATION # 220				STATION # 221							
DATE 21 V 57				DATE 27 V 57				DATE 2 X 57				DATE 2 X 57				DATE 7 X 57				DATE 7 X 57							
LAT. 8° 16'N				LAT. 26° 24'N				LAT. 40° 15'N				LAT. 40° 14'N				LAT. 40° 15'N				LAT. 40° 15'N							
LONG. 57° 42'W				LONG. 63° 04'W				LONG. 68° 25'W				LONG. 67° 58'W				LONG. 67° 20'W				LONG. 66° 28'W							
DEPTH 855 m				DEPTH 5470 m				DEPTH 165 m				DEPTH 1075 m				DEPTH 1905 m				DEPTH 3030 m							
GMT 0113 BT 1527				GMT 2324 BT 1606-1607				GMT 1325 BT 1				GMT 1817 BT 4				GMT 0428 BT 5				GMT 1314 BT 10							
DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S	
m	°C	o/oo		m	°C	o/oo		m	°C	o/oo		m	°C	o/oo		m	°C	o/oo		m	°C	o/oo		m	°C	o/oo	
1	---	---		1	24.88	36.561		0	21.17	35.254		0	18.03	33.857		0	21.85	35.425		0	24.80	36.030					
45	25.71	35.713		50	23.75	36.596		20	21.17	35.255		30	17.39	34.423		40	21.27	35.365		60	24.81	36.047					
85	24.89	36.218		100	21.80	36.717		40	19.91	35.447		50	14.24	34.455		100	15.29	35.999		100	14.20	35.109					
130	19.90	36.249		200	18.85	36.575		60	11.17	34.268		95	13.87	35.710		200	11.89	35.509		145	14.53	35.779					
170	15.97	35.980		300	18.18	36.503		80	11.98	34.839		185	12.41	35.653		185	13.70	35.730		195	13.70	35.730					
210	12.98	35.561		400*	17.59	36.425		100*	11.44	35.059		265*	9.02	35.208		1295*	3.75	34.951		290*	11.09	35.391					
245*	11.05	35.170		500	16.48	36.257		130	11.98	35.409		345	6.46	35.031		1395	3.69	34.942		390	8.95	35.160					
280	10.42	35.087		600*	14.50	35.919		160*	11.66	35.362		420*	5.13	34.957		1495*	3.64	34.942		490	7.13	35.034					
320*	10.07	35.032		800	9.73	35.288						490	4.69	34.940		1590*	3.61	34.941		585	5.89	34.986					
360	10.08	35.043		975*	6.45	35.071						635	4.52	34.941		1790*	3.58	34.946		680*	5.31	35.030					
405*	8.74	34.867		1195	5.28	35.076						635	4.30	34.945		1790*	3.58	34.946		780	4.75	34.999					
470	8.00	34.784		1395*	4.64	35.073						705*	4.23	34.943		1890*	3.57	34.952		975*	4.29	34.981					
535*	6.91	34.586		1595	4.25	35.058						785	4.19	34.946						1170	4.02	34.972					
				1790*	3.88	35.026						865*	4.20	34.948						1365*	3.83	34.964					
				1990*	3.55	34.998														1465*	3.78	34.967					
				2290	3.22	34.981														1660	3.69	34.964					
				2590*	2.99	34.959														1855*	3.57	34.966					
				2890	2.83	34.951														2050	3.43	34.967					
				3190*	2.64	34.931														2245*	3.30	34.961					
				3490	2.48	34.925														2440	3.17	34.953					
				3890*	2.37	34.913														2635*	3.00	34.949					
				4290	2.30	34.903														2830	2.81	34.950					
				4690*	2.21	34.888														3025*	2.82	34.935					
				5090	2.07	34.863																					
				5485*	2.05	34.854																					

STATION # 222				STATION # 223				STATION # 224				STATION # 225				STATION # 226				STATION # 227																							
DATE 8 X 57				DATE 8 X 57				DATE 8 X 57				DATE 9 X 57				DATE 9 X 57				DATE 10 X 57				DATE 10 X 57																			
LAT. 40° 14'N				LAT. 40° 16'N				LAT. 40° 10'N				LAT. 40° 16'N				LAT. 40° 12'N				LAT. 40° 16'N				LAT. 40° 15'N																			
LONG. 64° 40'W				LONG. 62° 56'W				LONG. 61° 07'W				LONG. 59° 35'W				LONG. 57° 39'W				LONG. 55° 59'W				LONG. 54° 12'W																			
DEPTH 4660 m				DEPTH 4750 m				DEPTH 4990 m				DEPTH 5100 m				DEPTH 5180 m				DEPTH 5200 m				DEPTH 5185 m																			
GMT 0048 BT 19				GMT 1140 BT 27				GMT 2257 BT 35				GMT 0950 BT 43				GMT 2351 BT 53				GMT 1155 BT 61				GMT 2346 BT 68																			
DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S	
m	°C	o/oo		m	°C	o/oo		m	°C	o/oo		m	°C	o/oo		m	°C	o/oo		m	°C	o/oo		m	°C	o/oo		m	°C	o/oo		m	°C	o/oo		m	°C	o/oo		m	°C	o/oo	
0	23.18	36.032		0	24.23	36.071		0	24.32	36.023		0	23.39	35.790		0	23.2*	35.522		0	20.26	34.856																					
50	22.97	36.110		95	22.34	36.132		35	23.89	36.186		45	23.90	36.087		55	24.28	36.194		60	20.63	35.530																					
95	16.77	35.754		145	18.82	36.019		60	23.40	35.965		80	19.11	35.921		75	24.12	36.332		125	15.01	35.707																					
195	14.02	35.799		190	15.81	35.863		130	15.36	35.723		190	15.22	35.996		155	19.93	36.601		100	16.09	35.864																					
290	11.60	35.545		285	13.89	35.749		200	14.08	35.753		285	12.68	35.615		235	---	36.516		200	12.93	35.675																					
385*	9.27	35.190		375*	12.85	35.625		280*	10.70	35.547		375*	11.77	35.482		315*	18.10	36.493		300	10.66	35.343																					
485	7.45	35.089		465	10.93	35.378		470	8.61	35.148		400	9.66	35.229		400	17.58	36.426		410	9.59	35.232																					
580*	5.64	34.980		555*	9.25	35.197		450*	8.80	35.131		485*	7.82	35.091		480*	16.74	36.276		490*	7.40	35.015																					
680	5.04	34.975		650*	7.84	35.135		660	6.19	35.093		660	6.55	35.067		650	14.92	35.960		575	5.21	35.011																					
775*	4.83	34.995		740*	6.42	35.050		750*	5.41	35.058		750*	5.55	35.028		820	8.59	35.137		655*	5.91	35.054																					
970	4.33	34.990		925	4.87	34.995		940	4.50	35.007		840	4.62	34.998		820	4.36	34.994		825	4.61	34.977																					
1160*	3.98	34.982		1110*	4.38	34.984		1130*	4.16	34.981		1025	4.29	34.992		1000*	4.08	34.980		1000*	4.38	35.004																					
1355	3.84	34.959		1300	4.09	34.975		1325	3.89	34.975		1215	4.03	34.976		1175	3.86	34.965		1185	3.86	34.986																					
1550*	3.72	34.987		1490*	3.92	34.968		1520*	3.75	34.985		1410*	3.88	34.977		1360*	4.31	34.994		1380*	4.08	34.980																					
1775*	3.59	34.958		1805*	3.67	34.958		1720*	3.68	34.971		1480*	3.82	34.970		1475*	4.12	34.982		1605*	3.74	34.972																					
1975	3.30	34.951		2095	3.34	34.960		2000	3.50	34.971		1755	3.66	34.965		1720	3.90	34.972		1880	3.62	34.968																					
2270*	3.30	34.958		2385*	3.36	34.966		2285*	3.34	34.970		2030*	3.51	34.954		1970*	3.72	34.964		2160*	3.49	34.963																					
2570	3.07	34.951		2675	3.15	34.951		2570	3.65	34.965		2410	3.24	34.961		2225	3.53	34.963		2440	3.28	34.969																					
2865*	2.83	34.939		2970*	2.90	34.939		2860*	3.34	34.965		2795*	3.01	34.956		2485*	2.97	34.958		2725*	3.06	34.961																					
3165	2.61	34.925		3260	2.66	34.927		3150	2.89	34.950		3175	2.74	34.937		2795*	2.85	34.957		3100	2.79	34.952																					
3465*	2.41	34.917		3550*	2.47	34.913		3540*	2.64	34.935		3150	2.64	34.935		3145	2.75	34.943		3100	2.79	34.952																					
3760	2.31	34.908		3850	2.36	34.908		3795	2.93	34.940		3540*	2.52	34.917		3540*	2.49	34.925		3100	2.79	34.952																					
4060*	2.27	34.898		4150*	2.31	34.900		3925	2.30	34.938		3960	2.67	34.928		3930	2.35	34.914		3870	2.36	34.919																					
4360	---	---		4450	---	---		4305*	2.28	34.900		4725	2.32	34.905		4325*	2.31	34.907		4255*	2.31	34.910																					
4660*	2.25	34.883		4750*	2.26	34.895		4670	---	34.894		4725	2.31	34.899		4720	2.30	34.905		4645	2.30	34.907																					
								4930*	2.27	34.896		5100*	2.30	34.893		4570*	2.31	34.900		5045*	2.32	34.905																					
								4410	2.29	34.903																																	

STATION # 228				STATION # 229			
DATE 11 X 57				DATE 11 X 57			
LAT. 40° 10'N				LAT. 40° 10'N			
LONG. 52° 18'W				LONG. 52° 18'W			
DEPTH 5255 m				DEPTH 5255 m			
GMT 1118 BT 75				GMT 1118 BT 75			
DEPTH	T	S		DEPTH	T	S	
m	°C	o/oo		m	°C	o/oo	
0	19.58	34.553		0	19.58	34.553	
65	20.29						

LAT. 40° 12'N
LONG. 50° 42'W
DEPTH 4865 m
GMT 2141 BT 82

DEPTH m	T °C	S o/oo
0	20.89	35.434
50	20.44	35.520
100	16.34	36.013
150	13.72	35.733
195	13.72	35.490
285	17.27	36.381
395*	15.34	36.043
450	14.62	36.034
490	7.54	35.086
590*	5.95	34.992
685	5.22	35.005
785*	4.84	35.010
975	4.45	35.014
1165*	4.13	34.989
1355	3.91	34.984
1545	3.78	34.974

DEPTH m	T °C	S o/oo
0	22.85	35.931
45	22.63	36.508
95	19.39	36.590
185	18.04	36.486
275	17.27	36.381
360*	15.34	36.043
450	14.62	36.034
540*	11.67	35.510
630	9.69	35.297
720*	7.96	35.149
900	5.86	35.114
1085*	4.38	34.964
1275	4.10	34.976
1470*	3.78	34.944

DEPTH m	T °C	S o/oo
1515*	3.68	34.922
1700	3.65	34.936
1890*	3.63	34.951
2280*	3.57	34.957
2580	3.11	34.961
2875*	2.88	34.956
3175	2.63	34.934
3475*	2.47	34.919
3770	2.29	34.911
4170*	2.29	34.903
4570	2.24	34.899
4865*	2.28	34.894

DEPTH m	T °C	S o/oo
0	20.25	35.943
50	19.52	36.072
100	16.18	36.181
150	14.78	36.020
200	14.22	35.956
300	14.22	35.793
400*	13.21	35.762
500	12.50	35.673
600*	11.36	35.505
700	10.16	35.422
800*	9.02	35.355
995	6.92	35.241
1185*	6.10	---
1395	5.17	35.114
1595*	4.28	35.010

DEPTH m	T °C	S o/oo
1775*	4.07	35.003
1975	3.76	34.973
2170*	3.58	34.960
2370	3.44	34.956
2670*	3.23	34.952
2965	3.09	34.946
3265*	2.76	34.930
3565	2.76	34.926
3865*	2.44	34.916
4165	2.35	34.906
4465*	2.35	34.904

DEPTH m	T °C	S o/oo
0	21.51	35.473
45	21.43	35.816
85	16.84	36.107
175	14.24	35.809
265	12.98	35.647
355*	10.84	35.347
445	8.10	34.987
535*	7.20	35.048
625	6.21	35.203
715*	5.96	35.012
900	4.92	35.046
1090*	4.36	35.010
1280	4.00	34.981
1470*	3.73	34.957

DEPTH m	T °C	S o/oo
0	21.84	35.510
60	21.91	35.802
100	18.75	36.482
185	15.75	36.056
280	13.67	35.738
375*	12.33	35.531
465	10.58	35.321
560*	9.26	35.226
655	7.31	35.057
750*	6.74	35.120
940	5.16	35.017
1130*	4.46	34.999
1320	4.24	35.007
1515*	3.89	34.976

DEPTH m	T °C	S o/oo
1690*	3.77	34.969
1880	3.64	34.958
2165*	3.51	34.957
2450	3.34	34.957
2740*	3.20	34.963
3025	2.98	34.952
3315*	2.73	34.945
3605	2.52	34.929
3895*	2.37	34.919
4185	2.27	34.910
4475*	2.25	34.916
4765*	2.25	34.916

DEPTH m	T °C	S o/oo
0	20.96	35.108
45	20.92	35.120
85	6.74	33.808
170	9.15	35.043
250	7.08	34.810
335*	6.87	34.948
415	6.09	34.956
495*	5.74	35.033
580*	5.21	35.203
660*	5.61	35.144
850	4.39	35.012
1040*	4.14	34.989
1235	3.85	34.967
1430*	3.66	34.961

DEPTH m	T °C	S o/oo
0	20.63	36.015
35	20.60	36.016
75	15.07	35.967
120	14.56	35.987
205	13.56	35.863
295*	13.10	35.797
380*	12.29	35.665
470*	11.39	35.529
560*	10.72	35.443
650	9.73	35.379
740*	8.34	35.362
830*	6.86	35.255
920	7.74	35.326
1010	6.86	35.255
1100*	7.11	35.310
1190*	5.81	35.189
1280	5.08	35.108
1370	4.82	35.074
1460*	4.58	35.062

DEPTH m	T °C	S o/oo
1225	5.41	35.149
1420*	4.71	35.063
1615	4.12	35.004
1810*	3.83	34.979
2010	3.48	34.961
2140*	3.38	34.957

DEPTH m	T °C	S o/oo
0	20.26	35.876
40	20.40	35.933
80	18.36	36.311
160	16.78	36.275
240	15.43	36.068
325*	14.70	35.974
410	14.00	35.851
500	13.50	35.794
580*	12.59	35.658
670	---	35.486
750*	7.82	35.276
845	5.79	35.112
930*	4.80	35.059
1020*	4.42	35.046
1110*	4.29	35.031
1200*	4.43	34.998
1290*	4.43	34.998

DEPTH m	T °C	S o/oo
1380*	3.88	34.940
1470*	3.88	34.932
1565*	3.61	34.931
1655*	3.58	34.931
1745*	3.47	34.950
1835*	3.27	34.947
1925*	3.19	34.967
2015*	2.95	34.959
2105*	2.90	34.946
2195*	3.10	34.946
2285*	2.84	34.943
2375*	2.84	34.943
2465*	2.52	34.923
2555*	2.40	34.915
2645*	2.34	34.925
2735*	2.29	34.925
2825*	2.34	34.904
2915*	2.35	34.901
3005*	2.35	34.901

DEPTH m	T °C	S o/oo
0	21.29	36.214
40	21.02	36.163
80	18.12	36.482
160	16.57	36.265
240	15.18	36.071
325*	14.81	36.071
410	14.87	36.120
500	14.39	35.989
580*	14.39	35.989
670	12.94	35.725
750*	---	35.476
845	7.93	35.100
930*	6.11	35.082
1020*	5.46	35.038
1110*	4.99	35.031
1200*	4.68	35.024
1290*	4.18	34.993

DEPTH m	T °C	S o/oo
0	20.68	36.104
45	18.71	36.103
85	15.33	36.013
175	13.87	36.003
260	13.46	35.857
350*	12.75	35.745
440	12.14	35.663
530*	11.33	35.563
620	10.60	35.499
715*	9.93	35.450
805	9.25	35.599
895*	7.57	35.456
985*	6.81	35.342
1075*	5.44	35.153
1165*	4.33	35.008
1255*	4.33	35.008
1345*	3.88	34.963
1435*	3.73	34.964
1525*	3.53	34.960
1615*	3.24	34.968
1705*	3.08	34.961
1795*	2.92	34.955
1885*	2.75	34.944
1975*	2.72	34.934
2065*	2.71	34.934

DEPTH m	T °C	S o/oo
0	20.68	36.015
35	20.60	36.016
75	15.07	35.967
120	14.56	35.987
205	13.56	35.863
295*	13.10	35.797
380*	12.29	35.665
470*	11.39	35.529
560*	10.72	35.443
650	9.73	35.379
740*	8.34	35.362
830*	6.86	35.255
920	7.74	35.326
1010	6.86	35.255
1100*	7.11	35.310
1190*	5.81	35.189
1280	5.08	35.108
1370	4.82	35.074
1460*	4.58	35.062

DEPTH m	T °C	S o/oo
0	20.93	36.028
45	20.95	36.042
90	16.35	36.171
185	14.47	35.957
275	13.83	35.880
370*	12.58	35.665
465	11.14	35.446
560*	9.47	35.241
655	8.09	35.161
750*	7.82	35.276
845	5.79	35.112
930*	4.80	35.059
1020*	4.42	35.046
1110*	4.29	35.031
1200*	4.43	34.998
1290*	4.43	34.998

DEPTH m	T °C	S o/oo
1380*	3.85	34.977
1470*	3.71	34.981
1565*	3.61	34.980
1655*	3.39	34.978
1745*	3.19	34.967
1835*	2.95	34.959
1925*	2.90	34.946
2015*	2.71	34.947
2105*	2.50	34.936
2195*	2.50	34.936
2285*	2.34	34.925
2375*	2.29	34.925
2465*	2.29	34.925
2555*	2.29	34.925
2645*	2.29	34.925
2735*	2.29	34.925
2825*	2.29	34.925
2915*	2.29	34.925
3005*	2.29	34.925

DEPTH m	T °C	S o/oo
0	20.18	35.891
40	18.36	35.951
80	14.25	35.945
160	13.54	35.870
240	13.03	35.791
320*	12.39	35.690
400*	11.68	35.679
480	11.91	35.634
560*	11.35	35.564
640	10.73	35.499
720*	9.45	35.454
800*	8.39	35.482
880*	7.57	35.456
960*	6.81	35.342
1040*	5.24	35.152
1120*	4.51	35.060
1200*	3.97	35.001
1280*	3.64	34.979
1360*	3.44	34.966
1440*	3.24	34.968
1520*	3.08	34.961
1600*	2.92	34.955
1680*	2.75	34.944
1760*	2.72	34.934
1840*	2.71	34.934

DEPTH m	T °C	S o/oo
0	20.18	35.891
40	18.36	35.951
80	14.25	35.945
160	13.54	35.870
240	13.03	35.791
320*	12.39	35.690
400*	11.68	35.679
480	11.91	35.634
560*	11.35	35.564
640	10.73	35.499
720*	9.45	35.454

LAT.	37° 04'N	LAT.	37° 08'N	LAT.	37° 10'N	LAT.	35° 49'N	LAT.	34° 27'N	LAT.	33° 09'N	LAT.	31° 48'N	LAT.	30° 30'N
LONG.	15° 15'W	LONG.	16° 50'W	LONG.	18° 31'W	LONG.	18° 30'W	LONG.	18° 32'W	LONG.	18° 32'W	LONG.	18° 29'W	LONG.	18° 26'W
DEPTH	3660 m	DEPTH	4525 m	DEPTH	4920 m	DEPTH	5360 m	DEPTH	4955 m	DEPTH	3675 m	DEPTH	4645 m	DEPTH	4615 m
GMT	1223 BT 292	GMT	2215 BT 299	GMT	0856 BT 307	GMT	1836 BT 313	GMT	0514 BT 320	GMT	1520 BT 327	GMT	2317 BT 328	GMT	0951 BT 333
DEPTH	T	DEPTH	T	DEPTH	T	DEPTH	T	DEPTH	T	DEPTH	T	DEPTH	T	DEPTH	T
m	oC	m	oC	m	oC	m	oC	m	oC	m	oC	m	oC	m	oC
	S		S		S		S		S		S		S		S
	o/oo		o/oo		o/oo		o/oo		o/oo		o/oo		o/oo		o/oo
0	20.53	0	20.59	0	20.37	0	20.55	0	21.06	0	21.92	0	21.67	0	22.09
40	20.06	45	20.57	45	20.62	55	19.15	60	19.59	60	21.77	60	21.64	45	22.10
80	15.86	90	17.05	90	15.13	90	15.35	90	17.30	90	17.92	90	18.36	90	17.80
100	13.81	180	14.04	180	13.80	180	14.12	180	16.05	180	16.56	180	16.81	185	16.43
200	13.81	275	13.17	275	13.17	275	13.30	275	16.05	275	14.98	275	15.11	280	15.18
300	12.88	365*	12.28	365*	12.31	365*	12.71	365*	14.20	365*	14.98	365*	13.55	370*	13.64
400	11.35	460	11.61	460	11.60	455	12.01	455	12.06	455	12.62	455	12.38	465	12.53
500	10.75	550*	10.96	550*	10.98	550*	11.47	550*	11.19	550*	11.62	550*	11.32	560*	11.58
600*	10.45	645	10.51	645	10.44	640	10.41	640	10.41	640	10.85	640	10.43	655	10.78
700	10.29	740*	10.67	740*	9.97	735*	10.43	735*	9.93	735*	10.27	735*	9.81	750*	10.03
800*	9.94	830	10.20	830	9.45	825	10.39	825	9.17	825	9.11	825	8.91	840	8.67
900	9.77	920*	9.93	920*	9.05	915	11.10	915	8.49	915	8.41	915	8.25	925	8.57
1000	9.77	1120*	8.98	1120*	8.73	1110*	10.21	1110*	7.58	1110*	7.50	1110*	7.11	1135*	7.89
1200*	9.77	1315	8.93	1315	8.73	1300	7.78	1300	7.58	1300	7.50	1300	7.11	1330	7.08
1400	7.76	1450*	7.19	1450*	7.03	1490*	6.66	1490*	6.14	1490*	6.04	1500*	5.55	1525*	6.09
1600*	5.79	1650*	5.97	1650*	6.02	1790*	6.41	1790*	5.04	1790*	5.38	1790*	4.67	1700*	5.43
1800*	5.33	1875	5.00	1875	4.68	1930	4.86	1930	4.13	1930	4.54	1930	4.24	1900	4.63
2000*	3.81	2065*	3.97	2065*	3.93	2100*	3.77	2100*	3.77	2100*	3.99	2100*	3.85	2200*	3.85
2200*	3.46	2350	3.38	2350	3.36	2370	3.24	2370	3.10	2370	3.42	2370	3.11	2500	3.32
2400*	3.22	2640*	3.01	2640*	3.05	2890*	2.89	2890*	2.83	2890*	3.40	2890*	3.40	2950*	2.95
2600*	3.04	2935	2.84	2935	2.87	3195	2.72	3195	2.68	3195	3.15	3195	2.71	3095	2.71
2800*	2.88	3225*	2.70	3225*	2.74	3494	2.60	3494	2.52	3494	2.98	3494	2.59	3390*	2.59
3000*	2.77	3494	2.62	3494	2.63	3775	2.51	3775	2.52	3775	2.84	3775	2.49	3690	2.49
3200*	2.66	3810*	2.53	3810*	2.58	4110	2.46	4110	2.44	4110	2.73	4110	2.45	3985*	2.45
3400	2.55	4410	2.45	4410	2.46	4805	2.47	4805	2.44	4805	2.62	4805	2.40	4280	2.40
3600*	2.48	4405*	2.45	4405*	2.46	5360*	2.55	5360*	2.49	5360*	2.51	5360*	2.43	4580	2.43

STATION #	270	STATION #	271	STATION #	272	STATION #	273	STATION #	274	STATION #	275	STATION #	276	STATION #	277
DATE	5 XI 57	DATE	6 XI 57	DATE	6 XI 57	DATE	7 XI 57	DATE	7 XI 57	DATE	13 XI 57	DATE	14 XI 57	DATE	14 XI 57
LAT.	29° 08'N	LAT.	27° 49'W	LAT.	26° 29'N	LAT.	25° 09'N	LAT.	23° 48'N	LAT.	16° 15'N	LAT.	16° 12'N	LAT.	16° 12'N
LONG.	18° 30'W	LONG.	18° 32'W	LONG.	18° 31'W	LONG.	18° 31'W	LONG.	18° 31'W	LONG.	16° 48'W	LONG.	17° 09'W	LONG.	17° 55'W
DEPTH	4135 m	DEPTH	3900 m	DEPTH	3560 m	DEPTH	2945 m	DEPTH	2905 m	DEPTH	265 m	DEPTH	1820 m	DEPTH	2745 m
GMT	2008 BT 240	GMT	0550 BT 346	GMT	1631 BT 354	GMT	0243 BT 361	GMT	1232 BT 368	GMT	2226 BT 418	GMT	0105 BT 421	GMT	0616 BT 425
DEPTH	T	DEPTH	T	DEPTH	T	DEPTH	T	DEPTH	T	DEPTH	T	DEPTH	T	DEPTH	T
m	oC	m	oC	m	oC	m	oC	m	oC	m	oC	m	oC	m	oC
	S		S		S		S		S		S		S		S
	o/oo		o/oo		o/oo		o/oo		o/oo		o/oo		o/oo		o/oo
0	22.28	0	22.74	0	23.14	0	23.33	0	23.04	0	21.51	0	25.40	0	26.42
40	22.23	45	20.13	45	21.71	50	23.33	50	22.56	45	18.85	45	20.01	25	26.48
80	17.04	95	17.84	95	19.64	85	21.55	85	20.06	90	14.38	90	15.73	80	17.55
160	15.75	190	15.82	190	16.85	170	17.74	170	16.32	175	14.38	175	13.18	160	14.29
245	15.75	280	14.21	285	14.64	255	16.01	255	14.26	265	13.93	265	12.34	245	12.64
325*	14.35	375*	12.97	375*	13.16	340*	14.94	340*	13.22	355*	13.12	355*	11.35	325*	11.80
410	13.28	475	11.64	475	11.88	430	12.74	430	11.65	445	12.89	445	10.52	410	11.04
495*	12.22	570*	10.80	570*	10.62	515*	11.59	515*	10.34	515*	12.89	515*	8.98	495*	10.29
585	11.20	665	9.78	665	9.40	605	10.41	605	9.41	630	9.41	630	7.36	585	9.34
670*	11.20	760*	8.83	760*	8.53	695	9.63	695	8.40	725*	8.40	725*	6.16	665*	8.43
750	8.50	850	7.64	850	7.70	775	7.72	775	6.77	810	6.37	810	5.51	760*	7.08
830*	8.42	955	7.29	955	8.21	875	7.04	875	6.37	910	6.37	910	4.91	840	6.04
915	7.32	1030*	6.48	1030*	7.12	1060*	6.46	1060*	6.16	1100*	5.22	1100*	4.17	1130	5.47
1000*	6.46	1120*	5.43	1120*	5.73	1245	5.57	1245	5.22	1290	5.22	1290	3.72	1315*	4.85
1215	5.79	1555*	4.66	1555*	4.66	1430*	4.94	1430*	4.40	1485*	4.40	1485*	3.72	1695*	4.85
1405*	5.79	1760*	4.66	1760*	4.66	1615*	4.94	1615*	4.40	1745*	4.40	1745*	3.72	1860*	4.20
1535*	4.93	1955	4.04	1955	4.76	1710	4.62	1710	3.94	1935	3.94	1935	3.82	1600*	3.82
1720	3.87	2150*	3.66	2150*	4.20	1900	4.10	1900	3.64	2125*	3.64	2125*	3.53	1785	3.53
2095	3.52	2350	3.40	2350	3.40	2090*	3.71	2090*	3.40	2320	3.40	2320	3.32	1980	3.32
2280*	3.52	2545*	3.13	2545*	3.13	2285	3.45	2285	3.14	2510*	3.14	2510*	3.04	2170	3.04
2565	3.14	2745	2.96	2745	3.13	2480*	3.21	2480*	2.92	2705	2.92	2705	2.93	2365*	3.04
2855*	2.85	2940*	2.83	2940*	2.95	2675	2.96	2675	2.76	2905*	2.76	2905*	2.81	2560	2.93
3145	2.68	3140	2.69	3140	2.82	2875*	2.76	2875*	2.71	34931	2.71	34931	2.81	2745*	2.81
3430*	2.55	3430*	2.54	3430*	2.68	3365	2.46	3365	2.48	34917	2.48	34917	2.43	34935	2.43
3720	2.47	3720	2.47	3720	2.47	3900*	2.41	3900*	2.41	34904	2.41	34904	2.43	34935	2.43
4005*	2.41	3900*	2.41	3900*	2.41	34890	2.41	34890	2.41	34902	2.41	34902	2.43	34935	2.43

STATION # 278				STATION # 279				STATION # 280				STATION # 281				STATION # 282				STATION # 283				STATION # 284				STATION # 285																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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14 XI 57	16° 14'N	18° 54'W	3330 m	15 XI 57	16° 14'N	20° 17'W	3615 m	15 XI 57	16° 16'N	21° 42'W	3785 m	15 XI 57	16° 28'N	22° 52'W	1110 m	16 XI 57	16° 14'N	24° 18'W	3285 m	16 XI 57	16° 15'N	25° 41'W	4275 m	17 XI 57	16° 14'N	27° 05'W	4620 m	17 XI 57	16° 12'N	28° 25'W	4720 m																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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0	26.50	35.355	0	26.01	35.164	0	26.37	35.737	0	25.62	36.322	0	25.60	36.234	0	26.12	36.340	0	26.27	36.180	0	26.45	35.862	25	26.46	35.368	20	26.00	35.174	25	26.35	35.752	35	25.61	36.232	30	26.43	35.872	90	14.95	35.509	90	15.00	35.711	90	15.25	35.744	90	16.29	36.418	85	19.35	36.396	85	19.73	36.818	95	15.91	36.012	180	13.03	35.343	180	12.99	35.468	180	12.99	35.468	185	13.71	35.634	170	15.62	36.016	195	14.71	35.886	195	12.00	35.346	270	12.12	35.304	275	11.64	35.318	270	11.81	35.322	275	12.19	35.428	255	12.99	35.566	290	10.96	35.213	290	10.96	35.213	360*	11.37	35.298	370*	10.74	35.270	360	11.22	35.436	365*	11.41	35.364	340*	11.53	35.400	390*	9.99	35.136	390*	9.99	35.136	450	10.50	35.225	460	9.79	35.162	450	10.11	35.205	460	10.12	35.249	425	10.09	35.193	485	9.29	35.128	485	9.29	35.128	545*	9.59	35.158	555*	8.91	35.076	540*	9.15	35.113	550*	8.92	35.103	510*	9.45	35.154	580*	8.14	34.989	580*	8.14	34.989	635	8.43	35.029	650	7.92	34.971	630	8.38	35.050	640	8.24	35.038	600	8.44	35.029	680	7.44	34.937	685	8.08	35.013	730*	7.52	34.933	740*	7.20	34.906	725*	7.36	34.925	735*	7.10	34.943	685*	7.61	34.952	775*	6.70	34.886	775*	6.70	34.886	820	6.41	34.884	820	6.22	34.884	825	6.47	34.888	825	6.47	34.923	865	6.59	34.898	980	5.85	34.893	980	5.85	34.893	1115*	5.70	34.950	1125*	5.61	34.971	1100*	5.71	34.971	915*	6.22	34.938	1045	5.81	34.959	1180*	5.42	34.998	1180*	5.41	34.981	1310	5.12	35.006	1315	5.12	35.014	1285	5.10	35.022	1010	5.98	34.943	1225	5.28	34.996	1360	4.80	35.020	1360	4.80	35.020	1505*	4.37	35.000	1515*	4.43	35.006	1480*	4.61	35.032	1110	5.30	34.990	1410*	4.73	35.027	1575*	4.31	35.005	1575*	4.31	35.005	1675*	4.00	34.991	1675*	4.14	35.004	1685*	4.04	35.001	1670*	4.12	35.013	1740*	3.96	34.995	1760*	3.89	34.998	1760*	3.89	34.998	1870	3.70	34.985	1870	3.70	34.988	1875	3.73	34.987	1860	3.74	34.987	1940	3.59	34.982	1955	3.60	34.987	1955	3.60	34.982	2065	3.49	34.984	1990*	3.57	34.984	2070*	3.46	34.979	2055*	3.45	34.973	2135*	3.38	34.972	2250*	3.25	34.972	2250*	3.25	34.975	2250*	3.25	34.975	2175	3.36	34.976	2175	3.36	34.976	2260	3.27	34.968	2245	3.28	34.974	2330	3.19	34.966	2345	3.01	34.960	2345	3.01	34.958	2455*	3.27	34.957	2455*	3.13	34.963	2455*	3.10	34.961	2440*	3.13	34.962	2525*	3.04	34.953	2840*	2.83	34.946	2840*	2.83	34.946	2650	2.94	34.951	2555	3.00	34.956	2650	2.93	34.954	2640	2.97	34.955	2825	2.84	34.943	3110	2.71	34.934	3110	2.71	34.934	2845*	2.80	34.940	2750*	2.88	34.940	2845*	2.83	34.935	2835*	2.85	34.946	3120*	2.69	34.932	3435*	2.54	34.921	3435*	2.54	34.921	3035	2.71	34.934	2945	2.77	34.937	3040	2.84	34.932	3030	2.76	34.943	3420	2.54	34.918	3730	2.42	34.921	3730	2.42	34.921	3225*	2.62	34.927	3140*	2.68	34.936	3235*	2.63	34.926	3230*	2.65	34.921	3715*	2.43	34.907	4025*	2.39	34.903	4025*	2.39	34.903	3335	2.60	34.930	3335	2.60	34.930	3335	2.51	34.918	3230*	2.65	34.921	4020	2.36	34.892	4325	2.38	34.893	4325	2.38	34.893	3530*	2.57	34.919	3530*	2.51	34.916	3785*	2.44	34.907	3230*	2.65	34.921	4020	2.36	34.892	4325	2.38	34.893	4325	2.38	34.893

STATION # 286				STATION # 287				STATION # 288				STATION # 289				STATION # 290				STATION # 291				STATION # 292				STATION # 293																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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17 XI 57	16° 14'N	29° 51'W	4995 m	18 XI 57	16° 18'N	31° 20'W	5055 m	18 XI 57	16° 10'N	32° 37'W	5250 m	19 XI 57	16° 14'N	34° 04'W	5250 m	19 XI 57	16° 15'N	35° 23'W	5400 m	20 XI 57	16° 15'N	36° 45'W	5285 m	20 XI 57	16° 14'N	38° 08'W	5090 m	21 XI 57	16° 15'N	39° 30'W	5075 m																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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0	26.20	36.060	0	26.31	36.372	0	26.42	36.420	0	26.63	36.066	0	26.94	36.404	0	26.60	36.560	0	26.94	36.212	0	26.80	36.292	25	26.20	36.060	35	26.31	36.372	45	26.42	36.413	40	26.63	36.067	60	26.52	36.719	40	26.57	36.585	50	26.64	36.616	35	26.81	36.306	80	19.24	36.358	100	18.24	36.369	90	20.55	36.656	95	19.66	36.704	100	21.97	36.878	100	21.06	37.014	100	20.72	36.749	100	20.07	36.756	165	15.20	35.962	195	14.48	35.844	180	14.65	35.849	195	14.75	35.928	200	15.73	36.099	200	16.18	36.193	195	15.94	36.017	200	15.78	36.081	245	13.07	35.639	245	12.24	35.489	275	12.38	35.515	290	12.39	35.565	300	13.07	35.670	300	13.54	35.774	295	12.66	35.556	300	11.80	35.338	330*	11.74	35.468	330*	10.31	35.198	365*	10.62	35.251	390*	10.53	35.289	395*	11.39	35.438	400*	10.79	35.332	400*	10.29	35.202	400*	10.29	35.202	415	10.28	35.262	490	9.34	35.102	455	9.22	35.060	485	9.14	35.101	495	9.90	35.246	500	8.87	35.028	500	8.66	35.002	500	8.66	35.002	500*	9.22	35.127	590*	8.17	34.980	550*	8.17	34.952	585*	7.99	34.965	600*	7.42	34.885	600*	7.76	34.901	600*	7.67	34.893	600*	7.67	34.893	585	8.05	34.975	585	7.10	34.873	645	7.40	34.876	680	6.92	34.865	695	6.90	34.903	700	6.59	34.808	685	6.83	34.816	685	6.83	34.816	675*	7.29	34.913	675*	6.56	34.850	735*	6.95	34.856	780*	6.30	34.843	795*	6.24	34.878	780*	6.16	34.798	795*	6.26	34.811	795*	6.26	34.811	850	6.16	34.854	850	5.78	34.885	920	5.86	34.831	975	5.68	34.942	990	5.71	34.942	1000	5.61	34.893	975	5.68	34.844	975	5.68	34.844	1030*	5.73	34.928	1185*	5.33	34.995	1110*	5.48	34.921	1170*	5.29	34.982	1190*	5.10	35.004	1200*	5.19	34.988	1170*	5.29	34.944	1190*	5.14	34.972	1190*	5.14	34.972	1210	5.38	35.021	1385	4.71	34.993	1300	4.92	34.993	1365	4.75	35.030	1390	4.49	35.006	1395	4.60	35.006	1365	4.74	34.998	1365	4.74	34.998	1400*	4.72	35.026	1580*	4.18	35.006	1490*	4.49	35.013	1560*	4.16	35.019	1585*	4.02	34.992	1595*	4.08	34.996	1560*	4.30	35.014	1585*	4.19	35.002	1585*	4.19	35.002	1465*	4.50	35.003	1665	4.02	35.003	1740*	3.94	35.007	1740*	3.81	34.999	1895*	3.56	34.975	1895*	3.56	34.975	1895*	3.56	34.975	1895*	3.56	34.975	1895*	3.56	34.975	1895*	3.56	34.975	1960	3.87	35.008	1960	3.53	34.973	2030	3.50	35.004	2035	3.45	34.986	2195	3.27	34.960	2195	3.27	34.960	2195	3.27	34.960	2195	3.27	34.960	2195	3.27	34.960	2195	3.27	34.960	2025*	3.46	34.973	2255*	3.23	34.955	2620	3.22	34.974	2330	3.16	34.974	2495*	3.02	34.952	2495*	3.02	34.952	2495*	3.02	34.952	2495*	3.02	34.952	2495*	3.02	34.952	2495*	3.02	34.952	2315	3.19	34.962	2550	3.03	34.952	2620	3.20	34.972	2620	2.97	34.966	2795	2.82	34.940	2795	2.82	34.940	2795	2.82	34.940	2795	2.82	34.940	2795	2.82	34.940	2795	2.82	34.940	2600*	2.98	34.949	2845*	2.86	34.941	2800*	2.79	34.964	2915*	2.80	34.953	3095*	2.62	34.925	2990*	2.79	34.943	3000	2.79	34.943	3000	2.79	34.943	3000	2.79	34.943	3000	2.79	34.943	2890	2.78	34.937	3140	2.69	34.942	3295	2.57	34.942	3210	2.63	34.941	3390	2.52	34.920	3390	2.52	34.920	3390	2.52	34.920	3390	2.52	34.920	3390	2.52	34.920	3390	2.52	34.920	3180*	2.66	34.929	3435*	2.57	34.915	3685*	2.47	34.928	3505*	2.51	34.928	3790*	2.45	34.901	3690*	2.48	34.910	3595*	2.51	34.909	3595*	2.51	34.909	3595*	2.51	34.909

LAT. 16° 13'N
 LONG. 40° 52'W
 DEPTH 5165 m
 GMT 1156 BT 548

DEPTH	T	S
m	oC	o/oo
0	26.49	36.330
60	24.49	36.366
100	21.36	36.893
195	17.48	36.386
290	13.26	35.684
390*	11.30	35.403
490	9.11	35.114
585*	7.71	34.952
685	6.71	34.848
785*	6.20	34.808
980	5.74	34.899
1175	5.28	34.980
1375	4.67	35.023
1570*	4.06	34.998
1780*	3.76	34.990
2075	3.39	34.973
2375*	3.13	34.964
2675	2.96	34.952
2970*	2.73	34.945
3270	2.63	34.935
3570*	2.52	34.918
3965	2.44	34.907
4365*	2.39	34.900
4765	2.37	34.895
5165*	2.38	34.883

LAT. 16° 15'N
 LONG. 42° 16'W
 DEPTH 5036 m
 GMT 2243 BT 555

DEPTH	T	S
m	oC	o/oo
0	26.55	36.366
50	26.41	36.512
95	23.10	36.996
195	17.48	36.386
290	13.78	35.684
390*	11.68	35.485
485	9.97	35.263
580*	7.84	34.942
680	6.75	34.832
775	6.24	34.795
870	5.58	34.836
1165*	5.20	34.949
1360	4.72	34.991
1550*	4.17	34.991
1710*	3.91	34.991
2005	3.48	34.976
2305*	3.13	34.955
2595	2.96	34.946
2895*	2.75	34.930
3190	2.60	34.928
3490*	2.52	34.915
3790	2.45	34.904
4090*	2.42	34.893
4385	2.37	34.884
4685*	2.37	34.888

LAT. 16° 15'N
 LONG. 43° 38'W
 DEPTH 4595 m
 GMT 0908 BT 563

DEPTH	T	S
m	oC	o/oo
0	26.80	36.270
50	26.80	36.283
95	22.79	36.914
190	17.72	36.462
290	14.16	35.832
385*	11.07	35.686
480	9.29	35.404
580*	7.70	34.905
675	6.74	34.808
770*	6.17	34.775
865	5.52	34.839
1155*	5.23	34.937
1350	4.64	34.983
1540*	4.18	34.990
1745*	3.90	34.987
1985	3.58	34.981
2225*	3.26	34.963
2515	3.04	34.957
2810*	2.81	34.940
3100	2.61	34.924
3395*	2.55	34.907
3685	2.51	34.908
3980*	2.48	34.906
4275	2.44	34.907
4570*	2.44	34.895

LAT. 16° 15'N
 LONG. 45° 01'W
 DEPTH 3970 m
 GMT 1624 BT 569

DEPTH	T	S
m	oC	o/oo
0	26.69	36.634
45	26.63	36.630
85	22.88	37.091
170	18.30	36.567
255	15.18	36.023
345*	12.99	35.686
430	11.05	35.404
515*	9.32	35.175
605	7.98	34.918
695	7.11	34.836
780	6.34	34.791
870	5.78	34.836
1105*	5.28	34.932
1300	4.80	34.989
1495*	4.38	34.997
1530*	4.21	34.996
1760	3.79	34.984
1940*	3.50	34.985
2120	3.29	34.967
2310*	3.09	34.957
2495	2.95	34.953
2680*	2.83	34.943
2870	2.73	34.936
3055*	2.63	34.928
3335	2.55	34.917
3615	2.51	34.911

LAT. 16° 14'N
 LONG. 45° 25'W
 DEPTH 2715 m
 GMT 0308 BT 578

DEPTH	T	S
m	oC	o/oo
0	26.75	36.676
55	26.74	36.685
90	24.07	36.950
185	19.85	36.799
270	15.42	36.042
360*	13.03	35.685
450	10.63	35.318
545*	8.91	35.103
635	7.20	34.867
730*	6.34	34.791
825	5.65	34.785
1105*	5.32	34.911
1300	4.80	34.989
1495*	4.38	34.997
1540	4.14	34.991
1720*	3.83	34.989
1905	3.58	34.975
2085	3.32	34.970
2270	3.17	34.962
2455*	3.00	34.952

LAT. 16° 14'N
 LONG. 47° 48'W
 DEPTH 3895 m
 GMT 1223 BT 584

DEPTH	T	S
m	oC	o/oo
0	26.75	36.691
55	26.74	36.685
90	24.07	36.950
185	19.85	36.799
280	14.73	35.933
370*	12.74	35.666
465	10.38	35.308
550*	8.55	35.061
640	7.02	34.882
735*	6.04	34.784
830	5.45	34.855
1115*	5.05	34.960
1310	4.50	34.987
1505*	4.11	35.002
1725*	3.75	34.975
1920*	3.67	35.004
2100*	3.30	34.961
2355*	3.04	34.949
2555	2.86	34.955
2750*	2.77	34.929
2945	2.74	34.939
3145*	2.65	34.929
3300	2.70	34.938
3495*	2.61	34.916
3675	2.48	34.902
3895*	2.40	---

LAT. 16° 14'N
 LONG. 49° 10'W
 DEPTH 3150 m
 GMT 2250 BT 591

DEPTH	T	S
m	oC	o/oo
0	27.29	36.525
30	27.29	36.530
100	22.76	37.104
195	17.60	36.426
295	14.93	35.961
390*	12.21	35.567
490	10.04	35.272
590*	8.35	35.020
685	7.37	34.821
785*	6.05	34.754
880	5.33	34.816
1185*	5.04	34.945
1380	4.71	34.983
1575*	4.13	34.988
1775*	3.69	34.980
1965*	3.37	34.968
2160	3.16	34.963
2355*	3.07	34.955
2555	2.91	34.941
2750*	2.83	34.936
2945	2.71	34.929
3145*	2.67	34.930
3355	2.60	34.915
3550*	2.50	34.903
3950*	2.32	34.885

LAT. 16° 14'N
 LONG. 50° 32'W
 DEPTH 3995 m
 GMT 0846 BT 598

DEPTH	T	S
m	oC	o/oo
0	27.48	36.356
40	27.49	36.424
100	23.54	37.029
195	19.06	36.700
295	14.95	35.974
390*	12.01	35.492
490	10.74	35.380
590*	8.35	35.020
685	7.37	34.821
785*	6.05	34.754
880	5.33	34.816
1185*	5.04	34.945
1375	4.71	34.983
1575*	4.13	34.988
1775*	3.69	34.980
1970*	3.43	34.974
2160	3.22	34.964
2355*	3.07	34.955
2555	2.91	34.941
2750*	2.83	34.936
2945	2.71	34.929
3145*	2.67	34.930
3355	2.60	34.915
3550*	2.50	34.903
3950*	2.32	34.885

LAT. 16° 14'N
 LONG. 58° 54'W
 DEPTH 5461 m
 GMT 1349 BT 640

DEPTH	T	S
m	oC	o/oo
0	27.28	34.850
40	27.24	34.980
80	25.34	36.758
165	20.79	36.896
250	17.60	36.436
330	15.71	36.084
415	13.10	35.704
500*	11.12	35.446
585	9.92	34.964
675	8.81	34.866
765	7.83	34.776
855	7.03	34.720
1000*	5.89	34.942
1185	5.03	35.002
1380*	4.49	35.022
1530*	4.23	35.008
1805	3.69	34.987
2180*	3.27	34.974

LAT. 16° 16'N
 LONG. 58° 54'W
 DEPTH 5461 m
 GMT 1349 BT 640

DEPTH	T	S
m	oC	o/oo
0	27.45	35.622
35	27.33	36.546
65	27.08	36.408
135	23.27	36.972
205	19.12	36.760
270*	16.39	36.312
340	14.48	35.985
410*	12.16	35.608
480	11.03	35.460
550*	8.99	35.130
620	6.76	34.830
690	5.70	34.723
830	5.24	34.848
970	5.43	34.814
1115*	5.16	34.927
1635*	4.00	34.995
1905	3.60	34.974
2180*	3.35	34.963
2460	3.11	34.959
2740*	2.92	34.945
3090	2.74	34.933
3380*	2.56	34.917
3670	2.42	34.906
3960*	2.33	34.899
4250*	2.23	34.884
4540*	2.23	34.884
4830	2.03	34.856
5015*	2.03	34.856

LAT. 16° 16'N
 LONG. 59° 42'W
 DEPTH 5015 m
 GMT 2115 BT 644

DEPTH	T	S
m	oC	o/oo
0	27.42	34.766
45	28.22	36.278
80	25.23	36.891
160	20.83	36.866
240	17.54	36.436
320*	15.09	36.011
405	11.38	35.302
485*	9.72	35.042
570	9.02	34.964
655	8.18	34.863
735	7.03	34.776
825	6.03	34.720
1000*	5.89	34.942
1185	5.03	35.002
1380*	4.49	35.020
1550*	4.03	35.000
1835	3.60	34.979
2125*	3.30	34.970
2425	3.04	34.964
2730	2.79	34.945
3045	2.55	34.925
3360	2.39	34.911
3680	2.31	34.901
3860	2.26	34.897
4240*	2.26	34.897
4620	2.15	34.875
5015*	2.12	34.858

LAT. 16° 14'N
 LONG. 59° 42'W
 DEPTH 5015 m
 GMT 2115 BT 644

DEPTH	T	S
m	oC	o/oo
0	27.42	34.766
45	28.22	36.278
80	25.23	36.891
160	20.83	36.866
240	17.54	36.436
320*	15.09	36.011
405	11.38	35.302
485*	9.72	35.042
570	9.02	34.964
655	8.18	34.866
735	7.03	34.776
825	6.03	34.720
1000*	5.89	34.942
1185	5.03	35.002
1380*	4.49	35.020
1550*	4.03	35.000
1835	3.60	34.979
2125*	3.30	34.970
2425	3.04	34.964
2730	2.79	34.945
3045	2.55	34.925
3360	2.39	34.911
3680	2.31	34.901
3860	2.26	34.897
4240*	2.26	34.897
4620	2.15	34.875
5015*	2.12	34

DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S
m	oC	o/oo	m	oC	o/oo	m	oC	o/oo	m	oC	o/oo	m	oC	o/oo
0	25.85	35.764	0	25.78	35.810	0	26.43	35.872	0	26.86	35.833	0	26.84	35.780
50	25.36	35.808	50	25.68	35.841	10	26.19	35.872	50	26.13	35.848	50	26.14	35.848
100	25.88	36.834	100	24.77	36.906	25	25.90	35.886	100	24.49	36.808	95	24.66	36.771
200	20.50	36.832	195	20.50	36.794	40	25.73	35.898	200	19.13	36.635	190	19.92	36.712
295	17.15	36.334	295	17.60	36.435	55	25.54	35.948	285	16.33	36.158	280	16.04	36.145
395	15.35	36.059	395	15.27	36.042				385	13.04	---	375	12.84	35.587
495	12.96	35.686	495	12.37	35.607				480	10.59	35.262	470	10.28	35.174
595	10.96	35.407	595	10.59	35.350				575	9.29	35.099	565	8.60	34.956
695	9.16	35.171	695	9.16	35.170				670	7.84	34.904	660	7.32	34.830
795	8.03	35.049	795	8.03	35.049				770	6.20	34.812	760	6.62	34.865?
890	5.98	34.968	890	5.98	34.968				865	5.50	34.888	855	5.98	34.781
1185	4.87	35.012	1185	4.87	35.012				1160	4.56	34.948	1060	5.06	34.831
1385	4.24	35.004	1385	4.24	35.004				1355	4.44	34.957	1255	4.69	34.946
1585	3.87	34.992	1585	3.87	34.992				1555	4.09	34.974	1455	4.29	34.967
1275	4.52	35.021	1275	4.52	35.021				1685	4.02	34.981	1505	4.14	34.969
1475	3.98	34.996	1475	3.98	34.996				1880	3.76	34.989	1695	4.08	34.973
1670	3.79	34.988	1670	3.79	34.988				2075	3.95	34.984	1885	4.06	34.976
1970	3.57	34.981	1970	3.57	34.981				2270	3.94	34.984	2075	4.06	34.978
2265	3.32	34.966	2265	3.32	34.966				2465	3.96	34.981	2270	4.05	34.978
2565	3.10	34.959	2565	3.10	34.959				2660	3.97	34.982	2485	4.08	34.980
2860	2.92	34.944	2860	2.92	34.944				2855	3.98	34.986	2680	4.11	34.980
3160	2.68	34.928	3160	2.68	34.928				2875	4.11	34.979	2875	4.11	34.979
3460	2.54	34.922	3460	2.54	34.922				3070	4.14	34.980	3070	4.14	34.980
3760	2.43	34.914	3760	2.43	34.914				3265	4.16	34.977	3265	4.16	34.977
4055	2.42	34.910	4055	2.42	34.910									

LAT. 18° 07'N
LONG. 64° 18'W
DEPTH 1495 m
GMT 0053 BT 102

LAT. 18° 07'N
LONG. 64° 16'W
DEPTH 2905 m
GMT 2124 BT 100

LAT. 18° 20'N
LONG. 64° 17'W
DEPTH 2340 m
GMT 1833 BT 99

LAT. 18° 28'N
LONG. 64° 18'W
DEPTH 60 m
GMT 1715 BT 98

LAT. 18° 42'N
LONG. 68° 18'W
DEPTH 215 m
GMT 0507 BT --

LAT. 18° 55'N
LONG. 68° 14'W
DEPTH 830 m
GMT 0354 BT 97

LAT. 19° 06'N
LONG. 68° 12'W
DEPTH 4090 m
GMT 0026 BT 96

LAT. 17° 53'N
LONG. 64° 25'W
DEPTH 3360 m
GMT 0348 BT 104

STATION # 341
DATE 24 II 58
LAT. 12° 30'N
LONG. 64° 32'W
DEPTH 3725 m
GMT 0323 BT 132

STATION # 340
DATE 23 II 58
LAT. 13° 05'N
LONG. 64° 32'W
DEPTH 3365 m
GMT 2207 BT 129

STATION # 339
DATE 23 II 58
LAT. 13° 47'N
LONG. 64° 28'W
DEPTH 3415 m
GMT 1631 BT 125

STATION # 338
DATE 23 II 58
LAT. 14° 32'N
LONG. 64° 41'W
DEPTH 3735 m
GMT 0958 BT 121

STATION # 337
DATE 23 II 58
LAT. 15° 08'N
LONG. 64° 34'W
DEPTH 3860 m
GMT 0352 BT 117

STATION # 336
DATE 22 II 58
LAT. 15° 48'N
LONG. 64° 26'W
DEPTH 3885 m
GMT 2146 BT 113

STATION # 335
DATE 22 II 58
LAT. 16° 25'N
LONG. 64° 28'W
DEPTH 3825 m
GMT 1600 BT 109

STATION # 334
DATE 22 II 58
LAT. 17° 05'N
LONG. 64° 32'W
DEPTH 3745 m
GMT 0903 BT 105

DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S
m	oC	o/oo	m	oC	o/oo	m	oC	o/oo	m	oC	o/oo	m	oC	o/oo
0	26.49	35.921	0	26.53	35.958	0	26.60	35.903	0	26.58	35.811	0	26.70	35.839
50	26.44	35.934	50	26.37	35.940	50	26.58	34.900	50	26.64	35.929	50	26.54	35.836
100	25.67	36.601	100	25.68	36.534	95	25.15	36.706	100	23.94	36.638	100	23.94	36.638
195	19.78	36.692	185	19.17	36.506	195	17.77	36.357	200	17.96	36.378	195	16.96	36.237
295	15.15	35.972	275	16.26	36.158	295	14.08	35.736	300	13.73	35.533	290	12.63	35.483
395	11.97	35.435	370	13.25	35.675	395	10.90	35.246	400	10.97	35.257	395	10.42	35.076
495	10.18	35.201	465	10.86	35.300	490	9.22	35.004	485	8.81	34.944	485	8.77	34.948
595	8.79	35.035	560	8.56	34.954	590	7.46	34.814	600	7.87	34.852	595	7.35	34.793
690	7.47	34.894	660	7.27	34.826	690	6.78	34.746	700	6.34	34.740	680	6.47	34.737
790	6.20	34.763	755	6.21	34.725	785	6.09	34.732	800	5.70	34.772	790	5.90	34.745
890	6.00	34.858	850	5.83	34.803	885	5.78	34.788	900	5.34	34.822	875	5.59	34.812
990	5.62	34.902	950	5.43	34.881	985	5.24	34.850	995	5.03	34.892	980	5.05	34.890
1090	4.97	34.926	1050	4.98	34.921	1085	4.90	34.862	1095	4.73	34.931	1080	4.77	34.926
1285	4.38	34.953	1250	4.39	34.954	1280	4.38	34.958	1295	4.35	34.956	1285	4.40	34.954
1435	4.21	34.969	1440	4.22	34.967	1475	4.17	34.971	1500	4.14	34.974	1405	4.21	34.988
1625	4.10	34.971	1630	4.10	34.973	1695	4.10	34.977	1730	4.08	34.978	1605	4.09	34.972
1820	4.09	34.975	1825	4.09	34.975	1895	4.07	34.978	1930	4.07	34.982	1800	4.07	34.979
2010	4.07	34.978	2020	4.07	34.978	2090	4.06	34.977	2130	4.07	34.976	1965	4.05	34.980
2210	4.07	34.978	2220	4.06	34.977	2290	4.07	34.978	2330	4.07	34.976	2195	4.06	34.977
2400	4.08	34.979	2420	4.07	34.978	2485	4.07	34.976	2525	4.07	34.978	2385	4.06	34.977
2595	4.08	34.977	2620	4.09	34.980	2685	4.10	34.984	2725	4.10	34.982	2590	4.09	34.979
2790	4.11	34.979	2920	4.12	34.976	2980	4.14	34.980	2960	4.13	34.981	2790	4.12	34.980
2985	4.14	34.980	3220	4.15	34.984	3280	4.16	34.981	3260	4.15	34.981	2995	4.13	34.980
3180	4.15	34.979	3510	4.18	34.977	3580	4.19	34.978	3620	4.18	34.978	3190	4.16	34.980
3375	4.17	34.978	3800	4.22	34.979	3875	4.24	34.982	3720	4.19	34.979	3365	4.17	34.980
3670	4.20	34.980												

STATION # 341
DATE 24 II 58
LAT. 12° 30'N
LONG. 64° 32'W
DEPTH 3725 m
GMT 0323 BT 132

STATION # 340
DATE 23 II 58
LAT. 13° 05'N
LONG. 64° 32'W
DEPTH 3365 m
GMT 2207 BT 129

STATION # 339
DATE 23 II 58
LAT. 13° 47'N
LONG. 64° 28'W
DEPTH 3415 m
GMT 1631 BT 125

STATION # 338
DATE 23 II 58
LAT. 14° 32'N
LONG. 64° 41'W
DEPTH 3735 m
GMT 0958 BT 121

STATION # 337
DATE 23 II 58
LAT. 15° 08'N
LONG. 64° 34'W
DEPTH 3860 m
GMT 0352 BT 117

STATION # 336
DATE 22 II 58
LAT. 15° 48'N
LONG. 64° 26'W
DEPTH 3885 m
GMT 2146 BT 113

STATION # 335
DATE 22 II 58
LAT. 16° 25'N
LONG. 64° 28'W
DEPTH 3825 m
GMT 1600 BT 109

STATION # 334
DATE 22 II 58
LAT. 17° 05'N
LONG. 64° 32'W
DEPTH 3745 m
GMT 0903 BT 105

STATION # 342 STATION # 343 STATION # 344 STATION # 345 STATION # 346 STATION # 347 STATION # 348 STATION # 349

DATE 24 II 58 DATE 24 II 58 DATE 24 II 58 DATE 24 II 58 DATE 24 II 58 DATE 24 II 58 DATE 24 II 58 DATE 25 II 58

LAT. 12° 06'N LAT. 11° 56'N LAT. 11° 48'N LAT. 11° 34'N LAT. 11° 18'N LAT. 11° 01'N LAT. 10° 42'N LAT. 10° 29'N

LONG. 64° 32'W LONG. 64° 31'W LONG. 64° 30'W LONG. 64° 31'W LONG. 64° 32'W LONG. 64° 31'W LONG. 64° 32'W LONG. 64° 36'W

DEPTH 1745 m DEPTH 290 m DEPTH 395 m DEPTH 1400 m DEPTH 265 m DEPTH 205 m DEPTH 565 m DEPTH 1415 m

GMT 0808 BT 135 GMT 1255 BT 136 GMT 1414 BT 137 GMT 1614 BT 138 GMT 1816 BT 139 GMT 2013 BT 140 GMT 2210 BT -- GMT 0028 BT 143

DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S
m	oC	o/oo	m	oC	o/oo	m	oC	o/oo	m	oC	o/oo	m	oC	o/oo	m	oC	o/oo	m	oC	o/oo
0	26.63	35.611	0	26.52	35.516	0	26.61	35.582	0	26.70	35.789	0	25.20	36.781	0	24.46	36.774			
45	26.67	35.891	25	26.67	35.717	20	26.51	35.793	25	24.54	36.309	15	24.62	36.777	40	22.49	36.765			
85	23.97	36.640	75	24.80	36.350	85	23.80	36.463	65	22.08	36.731	35	24.03	36.777	120	19.85	36.599			
175	18.14	36.386	120	19.86	36.633	150	19.01	36.528	110	19.52	36.587	60	21.94	36.739	205	17.19	36.280			
260	13.24	35.588	170*	18.57	36.478	255	14.18	35.778	160*	18.02	36.410	110	20.97	36.694	250	17.01	36.239			
350*	9.84	35.041	220	16.83	36.214	335*	10.36	35.139	210	16.66	36.200	160*	17.92	36.373	290*	16.96	36.226			
435	8.30	34.887	265*	13.55	35.664	420	8.30	34.877	260*	14.00	35.740	255	17.00	36.234	380	16.90	36.209			
525*	7.62	34.819				505*	7.83	34.822				355*	16.94	36.221	470*	16.85	36.199			
700	6.10	34.737				590	6.89	34.761				450	16.93	36.211	595*	16.85	36.192			
875*	5.32	34.844				680*	6.13	34.738				550*	16.92	36.213	690*	16.85	36.188			
1055	4.66	34.934				765	5.79	34.761							785*	16.86	36.183			
1245*	4.32	34.962				855*	5.31	34.846							880	16.84	36.183			
1430	4.20	34.970				1040	4.51	34.944							975*	16.88	36.184			
1630*	4.08	34.976				1230*	4.25	34.964							1070	16.87	36.185			
															1170*	16.89	36.186			
															1215*	16.91	36.183			
															1265	16.93	36.185			
															1310	16.90	36.181			
															1355	16.92	36.181			
															1405	16.93	36.180			
															1415	16.94	---			

STATION # 350 STATION # 351 STATION # 352 STATION # 353 STATION # 354 STATION # 355 STATION # 356 STATION # 357

DATE 25 II 58 DATE 25 II 58 DATE 25 II 58 DATE 25 II 58 DATE 27 II 58 DATE 27 II 58 DATE 27 II 58 DATE 27 II 58

LAT. 10° 25'N LAT. 10° 37'N LAT. 10° 44'N LAT. 10° 48'N LAT. 11° 22'N LAT. 11° 51'N LAT. 12° 26'N LAT. 13° 06'N

LONG. 64° 36'W LONG. 65° 34'W LONG. 65° 58'W LONG. 66° 10'W LONG. 73° 46'W LONG. 73° 46'W LONG. 73° 45'W LONG. 73° 55'W

DEPTH 210 m DEPTH 1345 m DEPTH 230 m DEPTH 195 m DEPTH 250 m DEPTH 1765 m DEPTH 2735 m DEPTH 3950 m

GMT 0346 BT 143 GMT 1332 BT 151 GMT 1447 BT 152 GMT 1447 BT 152 GMT 0632 BT 153 GMT 1447 BT 152 GMT 1447 BT 152 GMT 1345 BT 159 GMT 1940 BT 163

DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S
m	oC	o/oo	m	oC	o/oo	m	oC	o/oo	m	oC	o/oo	m	oC	o/oo	m	oC	o/oo	m	oC	o/oo
0	24.10	36.768	0	25.86	36.750	0	25.91	36.725	0	24.35	36.629	0	24.78	36.584	0	25.90	36.470			
25	23.00	36.760	45	23.40	36.745	25	25.57	36.747	20	24.24	36.618	20	24.28	36.587	45	25.88	36.472			
50	22.15	36.749	140*	18.99	36.517	70	21.91	36.732	40	23.76	36.630	40	21.22	36.729	95	22.68	36.757			
100*	21.51	36.716	235	17.18	36.276	115*	20.89	36.738	90	23.25	36.663	185	17.85	36.414	185	17.93	36.450			
150	18.64	36.470	285*	17.08	36.246	165	18.22	36.427	140*	20.20	36.632	275	13.73	35.736	280	13.88	35.752			
200*	17.27	36.285	380	16.94	36.207	195*	15.70	36.056	190	19.02	36.530	370*	10.55	35.202	375*	11.14	35.302			
			480*	16.89	36.205				240*	16.01	36.104	465	8.78	34.965	470	8.84	34.974			
			580*	16.86	36.199				555*	7.39	34.821	555*	7.48	34.831	560*	7.48	34.831			
			675	16.85	36.192				745	5.88	34.793	655	6.56	34.764	655	6.56	34.764			
			770*	16.85	36.185				940*	4.98	34.906	750*	5.82	34.770	750*	5.82	34.770			
			865	16.84	36.184				1130	4.49	34.950	845	5.35	34.857	840	5.70	34.785			
			965*	16.87	36.184				1325*	4.27	34.972	940*	4.99	34.908	935*	5.30	34.869			
			1065	16.87	36.188				1520	4.16	34.978	1035	4.71	34.935	1030	4.85	34.916			
			1160*	16.90	36.189				1720*	4.09	34.978	1225*	4.40	34.968	1220*	4.48	34.950			
			1245*	16.92	36.187				1400*	4.20	34.972	1400*	4.20	34.972	1395*	4.28	34.965			
			1295*	16.92	36.188				1495*	4.15	34.979	1495*	4.15	34.979	1580	4.14	34.978			
			1320	16.92	36.188				1690	4.05	34.978	1690	4.05	34.978	1765*	4.09	34.983			
			1345*	16.93	36.188				1890*	4.05	34.986	1890*	4.05	34.986	1950	4.06	34.980			
									2085	4.05	34.985	2085	4.05	34.985	2140*	4.06	34.981			
									2280*	4.06	34.978	2280*	4.06	34.978	2325	4.06	34.981			
									2475	4.06	34.976	2475	4.06	34.976	2610*	4.09	34.983			
									2665*	4.10	34.979	2665*	4.10	34.979	2900	4.13	34.986			
															3185*	4.15	34.981			
															3480	4.18	34.990			
															3770*	4.22	34.987			

LAT. 13° 44'N	LAT. 14° 20'N	LAT. 14° 59'N	LAT. 15° 38'N	LAT. 16° 26'N	LAT. 17° 04'N	LAT. 17° 45'N	LAT. 17° 57'N
LONG. 73° 58'W	LONG. 73° 58'W	LONG. 73° 58'W	LONG. 73° 56'W	LONG. 73° 57'W	LONG. 73° 55'W	LONG. 73° 49'W	LONG. 73° 52'W
DEPTH 4005 m	DEPTH 3925 m	DEPTH 4185 m	DEPTH 4230 m	DEPTH 3615 m	DEPTH 3635 m	DEPTH 3840 m	DEPTH 1470 m
GMT 0219 BT 168	GMT 0853 BT 172	GMT 1540 BT 177	GMT 2335 BT 181	GMT 0651 BT 186	GMT 1321 BT 190	GMT 1930 BT 194	GMT 2324 BT 195
DEPTH T S	DEPTH T S	DEPTH T S	DEPTH T S	DEPTH T S	DEPTH T S	DEPTH T S	DEPTH T S
m oC o/oo	m oC o/oo	m oC o/oo	m oC o/oo	m oC o/oo	m oC o/oo	m oC o/oo	m oC o/oo
0 26.48 35.900	0 26.47 35.906	0 26.50	0 26.55 35.881	0 26.61 35.695	0 26.61 35.652	0 26.79 35.683	0 26.69 35.729
5 26.48 35.900	5 26.47 35.881	5 26.48 35.881	5 26.45 35.864	5 26.60 35.695	5 26.60 35.653	5 26.63 35.689	5 26.63 35.795
10 26.42 36.085	10 26.42 36.085	10 26.42 36.085	10 26.45 35.922	10 26.58 35.692	10 26.60 35.651	10 26.61 36.059	10 26.68 35.914
15 19.95 36.675	15 19.86 36.673	15 19.86 36.673	15 19.86 36.673	15 20.48 36.375	15 22.15 36.735	15 20.64 36.682	15 20.68 36.037
20 16.03 36.135	20 16.31 36.189	20 16.31 36.189	20 17.80 36.417	20 20.48 36.375	20 17.66 36.397	20 17.22 36.342	20 24.29 36.628
25 12.39 35.508	25 13.17 35.677	25 13.17 35.677	25 15.50 36.052	25 18.25 36.503	25 14.52 35.874	25 14.35 35.858	25 20.93 36.701
30 10.15 35.161	30 10.86 35.279	30 10.86 35.279	30 13.32 35.708	30 15.82 36.155	30 12.11 35.494	30 11.69 35.427	30 18.06 36.468
35 8.76 34.966	35 9.09 35.000	35 9.09 35.000	35 11.18 35.365	35 15.82 36.155	35 9.76 35.152	35 9.76 35.147	35 15.43 36.036
40 7.68 34.839	40 7.94 34.770	40 7.94 34.770	40 11.45 35.400	40 11.45 35.400	40 8.20 34.958	40 7.65 34.904	40 12.69 35.596
45 6.79 34.767	45 6.87 34.808	45 6.87 34.808	45 7.82 34.914	45 8.85 35.155	45 6.84 34.850	45 6.64 34.834	45 7.94 34.946
50 6.15 34.766	50 6.07 34.836	50 6.07 34.836	50 7.15 35.013	50 8.57 35.013	50 8.85 34.843	50 5.76 34.848	50 6.07 34.843
55 5.70 34.797	55 5.48 34.890	55 5.48 34.890	55 7.95 34.798	55 7.15 34.853	55 8.85 34.897	55 5.20 34.903	55 10.70 34.949
60 5.35 34.863	60 5.05 34.931	60 5.05 34.931	60 8.75 34.854	60 6.21 34.809	60 10.85 34.933	60 4.74 34.936	60 4.68 34.949
65 4.68 34.939	65 4.53 34.960	65 4.53 34.960	65 10.30 34.928	65 5.10 34.904	65 12.85 34.976	65 4.28 34.978	65 4.33 34.973
70 4.37 34.973	70 4.35 34.972	70 4.35 34.972	70 11.55 34.956	70 11.05 34.945	70 14.70 34.981	70 4.08 34.982	70 4.17 34.982
75 4.22 34.973	75 4.16 34.972	75 4.16 34.972	75 12.80 34.969	75 11.05 34.945	75 14.70 34.981	75 4.08 34.982	75 4.17 34.982
80 4.13 34.983	80 4.10 34.980	80 4.10 34.980	80 14.65 34.979	80 11.05 34.945	80 14.70 34.981	80 4.08 34.982	80 4.17 34.982
85 4.08 34.983	85 4.07 34.977	85 4.07 34.977	85 16.50 34.979	85 11.05 34.945	85 14.70 34.981	85 4.08 34.982	85 4.17 34.982
90 4.07 34.983	90 4.06 34.977	90 4.06 34.977	90 18.40 34.978	90 11.05 34.945	90 14.70 34.981	90 4.08 34.982	90 4.17 34.982
95 4.06 34.986	95 4.05 34.986	95 4.05 34.986	95 20.30 34.982	95 11.05 34.945	95 14.70 34.981	95 4.08 34.982	95 4.17 34.982
100 4.11 35.007	100 4.08 34.986	100 4.08 34.986	100 22.20 34.982	100 11.05 34.945	100 14.70 34.981	100 4.08 34.982	100 4.17 34.982
105 4.14 34.984	105 4.11 34.981	105 4.11 34.981	105 24.10 34.981	105 11.05 34.945	105 14.70 34.981	105 4.08 34.982	105 4.17 34.982
110 4.16 34.986	110 4.14 34.984	110 4.14 34.984	110 26.00 34.982	110 11.05 34.945	110 14.70 34.981	110 4.08 34.982	110 4.17 34.982
115 4.20 34.986	115 4.17 34.981	115 4.17 34.981	115 27.90 34.981	115 11.05 34.945	115 14.70 34.981	115 4.08 34.982	115 4.17 34.982
120 4.25 34.986	120 4.21 34.979	120 4.21 34.979	120 29.80 34.981	120 11.05 34.945	120 14.70 34.981	120 4.08 34.982	120 4.17 34.982
125 4.37 34.973	125 4.35 34.972	125 4.35 34.972	125 31.70 34.981	125 11.05 34.945	125 14.70 34.981	125 4.08 34.982	125 4.17 34.982
130 4.42 34.973	130 4.36 34.972	130 4.36 34.972	130 33.60 34.981	130 11.05 34.945	130 14.70 34.981	130 4.08 34.982	130 4.17 34.982
135 4.13 34.983	135 4.10 34.980	135 4.10 34.980	135 35.50 34.981	135 11.05 34.945	135 14.70 34.981	135 4.08 34.982	135 4.17 34.982
140 4.08 34.983	140 4.07 34.983	140 4.07 34.983	140 37.40 34.981	140 11.05 34.945	140 14.70 34.981	140 4.08 34.982	140 4.17 34.982
145 4.06 34.986	145 4.05 34.986	145 4.05 34.986	145 39.30 34.981	145 11.05 34.945	145 14.70 34.981	145 4.08 34.982	145 4.17 34.982
150 21.55 34.983	150 20.75 34.983	150 20.75 34.983	150 41.20 34.981	150 11.05 34.945	150 14.70 34.981	150 4.08 34.982	150 4.17 34.982
155 4.06 34.986	155 4.05 34.986	155 4.05 34.986	155 43.10 34.981	155 11.05 34.945	155 14.70 34.981	155 4.08 34.982	155 4.17 34.982
160 4.11 35.007	160 4.08 34.986	160 4.08 34.986	160 45.00 34.981	160 11.05 34.945	160 14.70 34.981	160 4.08 34.982	160 4.17 34.982
165 4.14 34.984	165 4.11 34.981	165 4.11 34.981	165 46.90 34.981	165 11.05 34.945	165 14.70 34.981	165 4.08 34.982	165 4.17 34.982
170 4.16 34.986	170 4.14 34.984	170 4.14 34.984	170 48.80 34.981	170 11.05 34.945	170 14.70 34.981	170 4.08 34.982	170 4.17 34.982
175 4.20 34.986	175 4.17 34.981	175 4.17 34.981	175 50.70 34.981	175 11.05 34.945	175 14.70 34.981	175 4.08 34.982	175 4.17 34.982
180 4.25 34.986	180 4.21 34.979	180 4.21 34.979	180 52.60 34.981	180 11.05 34.945	180 14.70 34.981	180 4.08 34.982	180 4.17 34.982
185 4.37 34.973	185 4.35 34.972	185 4.35 34.972	185 54.50 34.981	185 11.05 34.945	185 14.70 34.981	185 4.08 34.982	185 4.17 34.982
190 4.42 34.973	190 4.36 34.972	190 4.36 34.972	190 56.40 34.981	190 11.05 34.945	190 14.70 34.981	190 4.08 34.982	190 4.17 34.982
195 4.13 34.983	195 4.10 34.980	195 4.10 34.980	195 58.30 34.981	195 11.05 34.945	195 14.70 34.981	195 4.08 34.982	195 4.17 34.982
200 4.08 34.983	200 4.07 34.983	200 4.07 34.983	200 60.20 34.981	200 11.05 34.945	200 14.70 34.981	200 4.08 34.982	200 4.17 34.982

STATION # 366	STATION # 367	STATION # 368	STATION # 369	STATION # 370	STATION # 371	STATION # 372	STATION # 373
DATE 2 III 58	DATE 4 III 58	DATE 4 III 58	DATE 4 III 58	DATE 13 III 58	DATE 13 III 58	DATE 13 III 58	DATE 13 III 58
LAT. 18° 00'N	LAT. 20° 04'N	LAT. 20° 23'N	LAT. 21° 54'N	LAT. 16° 08'N	LAT. 16° 26'N	LAT. 17° 07'N	LAT. 17° 46'N
LONG. 73° 52'W	LONG. 73° 39'W	LONG. 73° 34'W	LONG. 73° 15'W	LONG. 84° 23'W	LONG. 84° 23'W	LONG. 84° 28'W	LONG. 84° 29'W
DEPTH 205 m	DEPTH 2805 m	DEPTH 2590 m	DEPTH 2755 m	DEPTH 275 m	DEPTH 1570 m	DEPTH 2165 m	DEPTH 5140 m
GMT 0024 BT 196	GMT 0011 BT 197	GMT 0355 BT 198	GMT 2117 BT 206	GMT 0907 BT 270	GMT 1134 BT 271	GMT 1644 BT 276	GMT 2136 BT 280
DEPTH T S	DEPTH T S	DEPTH T S	DEPTH T S	DEPTH T S	DEPTH T S	DEPTH T S	DEPTH T S
m oC o/oo	m oC o/oo	m oC o/oo	m oC o/oo	m oC o/oo	m oC o/oo	m oC o/oo	m oC o/oo
0 26.74 35.732	0 26.04 36.154	0 24.60	0 24.81	0 26.67 36.008	0 26.16 35.756	0 26.22 36.011	0 26.33 35.785
5 26.78 35.728	5 24.58 36.386	5 24.55	5 24.04 36.461	5 26.63 36.005	5 26.21 35.794	5 26.17 36.008	5 26.19 35.815
10 26.70 35.736	10 24.15 36.440	10 24.20	10 23.37 36.557	10 24.71 36.411	10 25.00 36.331	10 25.35 36.198	10 25.83 36.031
15 22.93 36.272	15 20.72 36.766	15 20.28	15 21.45 36.666	15 22.00 36.595	15 17.88 36.401	15 17.31 36.314	15 18.34 36.455
20 22.09 36.735	20 18.22 36.528	20 18.03	20 18.69 36.589	20 19.00 36.536	20 13.74 35.756	20 11.88 35.462	20 14.06 35.786
25 19.77 36.655	25 16.92 36.334	25 17.09	25 17.42 36.406	25 15.84 36.104	25 10.90 35.311	25 9.14 35.062	25 11.41 35.382
30 14.97 36.008	30 14.97 36.008	30 15.88	30 17.42 36.406	30 14.31 35.867	30 8.54 34.980	30 7.87 34.925	30 8.35 34.975
35 11.54 35.506	35 11.54 35.506	35 13.27	35 12.99 35.700	35 14.31 35.867	35 7.23 34.869	35 6.58 34.832	35 7.70 34.898
40 8.86 35.133	40 8.86 35.133	40 11.50	40 10.50 35.349	40 14.31 35.867	40 6.45 34.843	40 5.75 34.858	40 6.78 34.831
45 6.64 34.880	45 6.64 34.880	45 9.46	45 9.30 35.188	45 14.31 35.867	45 5.91 34.854	45 5.11 34.918	45 6.00 34.843
50 5.93 34.890	50 5.93 34.890	50 7.27	50 7.37 35.084	50 14.31 35.867	50 4.93 34.930	50 4.74 34.951	50 5.07 34.907
55 5.30 34.940	55 5.30 34.940	55 5.95	55 6.07 35.014	55 14.31 35.867	55 4.36 34.964	55 4.57 34.933	55 4.79 34.933
60 4.96 34.964	60 4.96 34.964	60 5.46	60 5.27 35.051	60 14.31 35.867	60 4.36 34.964	60 4.43 34.954	60 4.56 34.946
65 4.69 34.988	65 4.69 34.988	65 4.78	65 4.77 35.035	65 14.31 35.867	65 4.28 34.978	65 4.35 34.969	65 4.35 34.964
70 4.48 34.994	70 4.48 34.994	70 4.66	70 4.57 35.026	70 14.31 35.867	70 4.25 34.972	70 4.25 34.972	70 4.28 34.973
75 4.34 34.999	75 4.34 34.999	75 4.41	75 4.30 35.016	75 14.31 35.867	75 4.25 34.972	75 4.25 34.972	75 4.16 34.983
80 4.26 35.002	80 4.26 35.002	80 4.18	80 4.14 35.005	80 14.31 35.867	80 4.25 34.972	80 4.25 34.972	80 4.11 34.993
85 4.24 34.996	85 4.24 34.996	85 3.98	85 4.00 35.002	85 14.31 35.867	85 4.25 34.972	85 4.25 34.972	85 4.08 34.993
90 4.24 34.996	90 4.24 34.996	90 3.89	90 3.87 34.987	90 14.31 35.867	90 4.25 34.972	90 4.25 34.972	90 4.10 34.993
95 4.20 35.003	95 4.20 35.003	95 3.78	95 3.73 34.986	95 14.31 35.867	95 4.25 34.972	95 4.25 34.972	95 4.13 34.993
100 4.18 35.037	100 4.18 35.037	100 3.70	100 3.58 34.981	100 14.31 35.867	100 4.25 34.972	100 4.25 34.972	100 4.19 34.993
105 4.13 35.001	105 4.13 35.001	105 3.60	105 3.47 34.977	105 14.31 35.867	105 4.25 34.972	105 4.25 34.972	105 4.24 34.995
110 4.09 35.000	110 4.09 35.000	110 3.47	110 3.33 34.975	110 14.31 35.867	110 4.25 34.972	110 4.25 34.972	110 4.28 34.992
115 4.13 35.006	115 4.13 35.006	115 3.36	115 3.18 34.974	115 14.31 35.867	115 4.25 34.972	115 4.25 34.972	115 4.33 34.973
120 4.25 34.986	120 4.25 34.986	120 3.20	120 2.95 34.974	120 14.31 35.867	120 4.25 34.972	120 4.25 34.972	120 4.40 34.987
125 4.48 34.994	125 4.48 34.994	125 4.66	12				

STATION # 374				STATION # 375				STATION # 376				STATION # 377				STATION # 378				STATION # 379				STATION # 380				STATION # 381																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
DATE 14 III 58				DATE 14 III 58				DATE 14 III 58				DATE 14 III 58				DATE 15 III 58				DATE 15 III 58				DATE 15 III 58				DATE 16 III 58																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
LAT. 18° 27'N				LAT. 19° 06'N				LAT. 19° 47'N				LAT. 20° 28'N				LAT. 21° 06'N				LAT. 21° 36'N				LAT. 21° 44'N				LAT. 20° 56'N																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
LONG. 84° 31'W				LONG. 84° 30'W				LONG. 84° 31'W				LONG. 84° 30'W				LONG. 84° 29'W				LONG. 84° 28'W				LONG. 84° 30'W				LONG. 79° 09'W																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
DEPTH 1965 m				DEPTH 3920 m				DEPTH 4574 m				DEPTH 4554 m				DEPTH 4480 m				DEPTH 3500 m				DEPTH 220 m																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
GMT 0203 BT 284				GMT 0901 BT 288				GMT 1447 BT 292				GMT 2022 BT 293				GMT 0206 BT 296				GMT 0814 BT 299				GMT 1110 BT 300				GMT 1413 BT 301																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
m	oC	o/oo		m	oC	o/oo		m	oC	o/oo		m	oC	o/oo		m	oC	o/oo		m	oC	o/oo		m	oC	o/oo		m	oC	o/oo		m	oC	o/oo		m	oC	o/oo		m	oC	o/oo																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
0	26.68	36.050		0	25.98	36.137		0	26.17	36.124		0	26.43	36.119		0	26.09	36.088		0	25.88	36.111		0	25.77	36.010		0	26.13	36.296		0	26.58	36.081		45	25.65	36.103		45	25.54	36.159		45	25.40	36.138		45	26.11	36.296		50	25.71	36.194		50	25.54	36.159		50	26.11	36.296		50	25.88	36.137		50	25.77	36.010		50	26.58	36.081		65	25.96	36.157		65	25.84	36.144		65	25.71	36.194		65	25.54	36.159		65	26.11	36.296		100	25.13	36.182		100	25.08	36.209		100	25.01	36.170		100	24.82	36.167		100	25.77	36.010		100	26.58	36.081		130	21.80	36.717		130	23.49	36.668		130	22.23	36.772		130	22.16	36.773		130	21.82	36.742		130	25.07	36.180		130	26.11	36.296		180	18.21	36.483		180	17.42	36.354		180	18.28	36.495		180	18.44	36.498		180	21.82	36.742		180	24.95	36.308		200	18.21	36.483		200	17.16	36.316		200	18.28	36.495		200	18.44	36.498		200	21.82	36.742		200	24.95	36.308		200	18.21	36.483		270	16.77	36.267		270	13.75	35.743		270	14.07	35.796		270	16.18	36.150		270	17.83	36.422		270	22.38	36.850		340	14.70	35.909		340	11.47	35.388		340	10.84	35.291		340	13.54	35.642		340	15.75	36.066		340	20.93	36.750		415	---	---		415	9.69	35.096		415	10.73	35.389		415	12.95	35.614		415	13.16	35.651		415	20.93	36.750		480	10.75	35.295		480	7.64	34.900		480	6.60	34.907		480	8.47	34.981		480	10.47	35.243		480	20.93	36.750		565	9.39	35.101		565	6.39	34.818		565	7.50	34.825		565	7.02	34.850		565	11.00	35.323		565	20.93	36.750		800	6.39	34.818		800	5.46	34.875		800	5.69	34.856		800	5.80	34.845		800	20.93	36.750		845	7.88	34.918		845	6.45	34.918		845	6.45	34.918		845	7.13	34.852		845	20.93	36.750		1000	6.97	34.854		1000	4.90	34.925		1000	4.75	34.938		1000	4.72	34.938		1000	20.93	36.750		1100	6.23	34.836		1100	4.56	34.952		1100	4.39	34.960		1100	4.35	34.961		1100	20.93	36.750		1300	5.55	34.867		1300	4.34	34.965		1300	4.27	34.968		1300	4.25	34.973		1300	20.93	36.750		1500	4.24	34.961		1500	4.20	34.984		1500	4.19	34.978		1500	4.31	34.982		1500	20.93	36.750		1695	4.14	34.981		1695	4.14	34.983		1695	4.19	34.978		1695	4.31	34.982		1695	20.93	36.750		1895	4.11	34.987		1895	4.12	34.991		1895	4.10	34.986		1895	4.14	34.988		1895	20.93	36.750		2095	4.08	34.994		2095	4.08	34.985		2095	4.08	34.986		2095	4.14	34.988		2095	20.93	36.750		2295	4.07	34.985		2295	4.10	34.992		2295	4.12	34.996		2295	4.11	34.991		2295	20.93	36.750		2495	4.07	34.985		2495	4.15	34.993		2495	4.17	34.991		2495	4.10	34.986		2495	20.93	36.750		2695	4.10	34.985		2695	4.18	35.088?		2695	4.20	34.990		2695	4.11	34.992		2695	20.93	36.750		2995	4.13	34.987		2995	4.22	35.068??		2995	4.24	34.988		2995	4.12	34.989		2995	20.93	36.750		3295	4.16	34.996		3295	4.26	34.993		3295	4.28	34.992		3295	4.12	34.989		3295	20.93	36.750		3595	4.19	34.993		3595	4.26	34.993		3595	4.28	34.992		3595	4.12	34.989		3595	20.93	36.750		3895	4.23	34.989		3895	4.28	34.988		3895	4.32	34.988		3895	4.14	34.986		3895	20.93	36.750	

STATION #	DATE	LAT.	LONG.	DEPTH	GMT	BT	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S
		o	o	m			m	o	o	m	o	o	m	o	o
STATION # 398	DATE 20 III 58	LAT. 15° 46'N	LONG. 79° 11'W	DEPTH 1484 m	GMT 0638	BT 328	DEPTH 0	26.92	35.921	DEPTH 45	26.73	35.949	DEPTH 95	26.58	35.977
							45	26.73	35.949	45	26.58	35.977	95	26.39	36.005
							140	23.39	36.642	140	23.39	36.642	195	23.20	36.670
							235	18.53	36.504	235	17.22	36.264	295	13.28	35.650
							330*	16.29	36.159	330*	15.01	35.942	390*	10.35	35.209
							420	13.14	35.626	420	12.04	35.459	480	8.37	34.939
							515*	10.47	35.234	515*	9.75	35.131	570*	7.15	34.814
							610	8.55	34.974	610	8.37	34.937	665	6.38	34.777
							705*	7.23	34.834	705*	7.28	34.834	760*	5.79	34.813
							895	5.60	34.831	895	6.22	34.777	950*	5.24	34.878
							1090	4.68	34.939	1090	5.72	34.824	1150*	4.92	34.907
							1280	4.38	34.954	1280	5.19	34.887	1340*	4.64	34.936
							1475*	4.20	34.970	1475*	4.81	34.926	1530*	4.47	34.946
							1175*	4.59	34.942	1175*	4.59	34.942	1230*	4.37	34.953
							1270	4.44	34.955	1270	4.44	34.955	1330	4.27	34.975
							1410	4.28	34.965	1410	4.28	34.965	1470*	4.19	34.975
							1605	4.13	34.974	1605	4.13	34.974	1665*	4.08	34.974
							2005	4.05	34.972	2005	4.05	34.972	2065*	4.06	34.975
							2205*	4.06	34.977	2205*	4.06	34.977	2265*	4.05	34.975
							2350*	4.07	34.980	2350*	4.07	34.980	2410*	4.06	34.982
							2505*	4.07	34.975	2505*	4.07	34.975	2565*	4.07	34.978
							2655*	4.06	34.968	2655*	4.06	34.968	2715*	4.10	34.979
							2805*	4.08	34.980	2805*	4.08	34.980	2865*	4.07	34.977
							2955*	4.07	34.975	2955*	4.07	34.975	3015*	4.07	34.978
							3105*	4.06	34.968	3105*	4.06	34.968	3165*	4.10	34.979
							3255*	4.07	34.975	3255*	4.07	34.975	3315*	4.07	34.977
							3405*	4.06	34.968	3405*	4.06	34.968	3465*	4.10	34.979
							3555*	4.07	34.975	3555*	4.07	34.975	3615*	4.07	34.977
							3705*	4.06	34.968	3705*	4.06	34.968	3765*	4.10	34.979
							3855*	4.07	34.975	3855*	4.07	34.975	3915*	4.07	34.977
							4005*	4.06	34.968	4005*	4.06	34.968	4065*	4.10	34.979
							4155*	4.07	34.975	4155*	4.07	34.975	4215*	4.07	34.977
							4305*	4.06	34.968	4305*	4.06	34.968	4365*	4.10	34.979
							4455*	4.07	34.975	4455*	4.07	34.975	4515*	4.07	34.977
							4605*	4.06	34.968	4605*	4.06	34.968	4665*	4.10	34.979
							4755*	4.07	34.975	4755*	4.07	34.975	4815*	4.07	34.977
							4905*	4.06	34.968	4905*	4.06	34.968	4965*	4.10	34.979
							5055*	4.07	34.975	5055*	4.07	34.975	5115*	4.07	34.977
							5205*	4.06	34.968	5205*	4.06	34.968	5265*	4.10	34.979
							5355*	4.07	34.975	5355*	4.07	34.975	5415*	4.07	34.977
							5505*	4.06	34.968	5505*	4.06	34.968	5565*	4.10	34.979
							5655*	4.07	34.975	5655*	4.07	34.975	5715*	4.07	34.977
							5805*	4.06	34.968	5805*	4.06	34.968	5865*	4.10	34.979
							5955*	4.07	34.975	5955*	4.07	34.975	6015*	4.07	34.977
							6105*	4.06	34.968	6105*	4.06	34.968	6165*	4.10	34.979
							6255*	4.07	34.975	6255*	4.07	34.975	6315*	4.07	34.977
							6405*	4.06	34.968	6405*	4.06	34.968	6465*	4.10	34.979
							6555*	4.07	34.975	6555*	4.07	34.975	6615*	4.07	34.977
							6705*	4.06	34.968	6705*	4.06	34.968	6765*	4.10	34.979
							6855*	4.07	34.975	6855*	4.07	34.975	6915*	4.07	34.977
							7005*	4.06	34.968	7005*	4.06	34.968	7065*	4.10	34.979
							7155*	4.07	34.975	7155*	4.07	34.975	7215*	4.07	34.977
							7305*	4.06	34.968	7305*	4.06	34.968	7365*	4.10	34.979
							7455*	4.07	34.975	7455*	4.07	34.975	7515*	4.07	34.977
							7605*	4.06	34.968	7605*	4.06	34.968	7665*	4.10	34.979
							7755*	4.07	34.975	7755*	4.07	34.975	7815*	4.07	34.977
							7905*	4.06	34.968	7905*	4.06	34.968	7965*	4.10	34.979
							8055*	4.07	34.975	8055*	4.07	34.975	8115*	4.07	34.977
							8205*	4.06	34.968	8205*	4.06	34.968	8265*	4.10	34.979
							8355*	4.07	34.975	8355*	4.07	34.975	8415*	4.07	34.977
							8505*	4.06	34.968	8505*	4.06	34.968	8565*	4.10	34.979
							8655*	4.07	34.975	8655*	4.07	34.975	8715*	4.07	34.977
							8805*	4.06	34.968	8805*	4.06	34.968	8865*	4.10	34.979
							8955*	4.07	34.975	8955*	4.07	34.975	9015*	4.07	34.977
							9105*	4.06	34.968	9105*	4.06	34.968	9165*	4.10	34.979
							9255*	4.07	34.975	9255*	4.07	34.975	9315*	4.07	34.977
							9405*	4.06	34.968	9405*	4.06	34.968	9465*	4.10	34.979
							9555*	4.07	34.975	9555*	4.07	34.975	9615*	4.07	34.977
							9705*	4.06	34.968	9705*	4.06	34.968	9765*	4.10	34.979
							9855*	4.07	34.975	9855*	4.07	34.975	9915*	4.07	34.977
							10005*	4.06	34.968	10005*	4.06	34.968	10065*	4.10	34.979
							10155*	4.07	34.975	10155*	4.07	34.975	10215*	4.07	34.977
							10305*	4.06	34.968	10305*	4.06	34.968	10365*	4.10	34.979
							10455*	4.07	34.975	10455*	4.07	34.975	10515*	4.07	34.977
							10605*	4.06	34.968	10605*	4.06	34.968	10665*	4.10	34.979
							10755*	4.07	34.975	10755*	4.07	34.975	10815*	4.07	34.977
							10905*	4.06	34.968	10905*	4.06	34.968	10965*	4.10	34.979
							11055*	4.07	34.975	11055*	4.07	34.975	11115*	4.07	34.977
							11205*	4.06	34.968	11205*	4.06	34.968	11265*	4.10	34.979
							11355*	4.07	34.975	11355*	4.07	34.975	11415*	4.07	34.977
							11505*	4.06	34.968	11505*	4.06	34.968	11565*	4.10	34.979
							11655*	4.07	34.975	11655*	4.07	34.975	11715*	4.07	34.977
							11805*	4.06	34.968	11805*	4.06	34.968	11865*	4.10	34.979
							11955*	4.07	34.975	11955*	4.07	34.975	12015*	4.07	34.977
							12105*	4.06	34.968	12105*	4.06	34.968	12165*	4.10	34.979
							12255*	4.07	34.975	12255*	4.07	34.975	12315*	4.07	34.977
							12405*	4.06	34.968	12405*	4.06	34.968	12465*	4.10	34.979

DATE	LAT.	LONG.	DEPTH	GMT	BT	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S
	24° 14'S	10° 40'W	3795 m	0745	BT 567	0	20.37	36.360	20.21	19.75	36.320	0	20.07	36.265	20.07	19.59	36.194
	24° 14'S	10° 40'W	3580 m	2124	BT 560	0	21.08	36.367	21.08	20.60	36.348	0	21.08	36.367	21.08	20.60	36.348
	24° 14'S	13° 33'W	2505 m	1138	BT 552	0	20.84	36.389	20.84	20.12	36.327	0	20.84	36.389	20.84	20.12	36.327
	24° 15'S	15° 01'W	3440 m	0113	BT 544	0	21.33	36.498	21.33	18.79	36.155	0	21.33	36.498	21.33	18.79	36.155
	24° 16'S	09° 11'W	4540 m	0545	BT 584	0	20.07	36.265	20.07	19.59	36.194	0	20.07	36.265	20.07	19.59	36.194
	24° 16'S	09° 11'W	4540 m	1834	BT 575	0	20.21	36.320	20.21	19.75	36.303	0	20.21	36.320	20.21	19.75	36.303
	24° 16'S	07° 43'W	4575 m	0545	BT 584	0	20.07	36.265	20.07	19.59	36.194	0	20.07	36.265	20.07	19.59	36.194
	24° 16'S	07° 43'W	4575 m	1834	BT 575	0	20.21	36.320	20.21	19.75	36.303	0	20.21	36.320	20.21	19.75	36.303
	24° 16'S	05° 26'W	5225 m	0545	BT 584	0	20.07	36.265	20.07	19.59	36.194	0	20.07	36.265	20.07	19.59	36.194
	24° 16'S	05° 26'W	5225 m	1834	BT 575	0	20.21	36.320	20.21	19.75	36.303	0	20.21	36.320	20.21	19.75	36.303
	24° 16'S	03° 58'W	4890 m	1009	BT 657	0	20.07	36.265	20.07	19.59	36.194	0	20.07	36.265	20.07	19.59	36.194
	24° 16'S	03° 58'W	4890 m	2213	BT 648	0	20.21	36.320	20.21	19.75	36.303	0	20.21	36.320	20.21	19.75	36.303
	24° 16'S	02° 30'W	5250 m	0832	BT 639	0	20.37	36.360	20.37	20.09	36.333	0	20.37	36.360	20.37	20.09	36.333
	24° 16'S	02° 30'W	5250 m	1846	BT 630	0	21.08	36.367	21.08	20.60	36.348	0	21.08	36.367	21.08	20.60	36.348
	24° 16'S	01° 02'W	5155 m	0832	BT 639	0	20.37	36.360	20.37	20.09	36.333	0	20.37	36.360	20.37	20.09	36.333
	24° 16'S	01° 02'W	5155 m	1846	BT 630	0	21.08	36.367	21.08	20.60	36.348	0	21.08	36.367	21.08	20.60	36.348
	24° 16'S	00° 28'W	5300 m	0545	BT 619	0	18.82	35.949	18.82	18.40	35.825	0	18.82	35.949	18.82	18.40	35.825
	24° 16'S	00° 28'W	5300 m	1846	BT 630	0	18.40	35.825	18.40	18.00	35.701	0	18.40	35.825	18.40	18.00	35.701
	24° 16'S	00° 23'W	4500 m	1706	BT 610	0	18.92	35.887	18.92	18.57	35.928	0	18.92	35.887	18.92	18.57	35.928
	24° 16'S	00° 23'W	4500 m	1706	BT 610	0	18.57	35.928	18.57	18.15	35.804	0	18.57	35.928	18.57	18.15	35.804
	24° 16'S	04° 54'W	4635 m	0422	BT 600	0	19.65	36.036	19.65	19.21	36.026	0	19.65	36.036	19.65	19.21	36.026
	24° 16'S	04° 54'W	4635 m	0422	BT 600	0	19.21	36.026	19.21	18.79	36.155	0	19.21	36.026	19.21	18.79	36.155
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	18.92	35.887	18.92	18.57	35.928	0	18.92	35.887	18.92	18.57	35.928
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	18.57	35.928	18.57	18.15	35.804	0	18.57	35.928	18.57	18.15	35.804
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	18.15	35.804	18.15	17.73	35.670	0	18.15	35.804	18.15	17.73	35.670
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	17.73	35.670	17.73	17.31	35.540	0	17.73	35.670	17.73	17.31	35.540
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	17.31	35.540	17.31	16.89	35.410	0	17.31	35.540	17.31	16.89	35.410
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	16.89	35.410	16.89	16.47	35.280	0	16.89	35.410	16.89	16.47	35.280
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	16.47	35.280	16.47	16.05	35.150	0	16.47	35.280	16.47	16.05	35.150
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	16.05	35.150	16.05	15.63	35.020	0	16.05	35.150	16.05	15.63	35.020
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	15.63	35.020	15.63	15.21	34.890	0	15.63	35.020	15.63	15.21	34.890
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	15.21	34.890	15.21	14.79	34.760	0	15.21	34.890	15.21	14.79	34.760
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	14.79	34.760	14.79	14.37	34.630	0	14.79	34.760	14.79	14.37	34.630
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	14.37	34.630	14.37	13.95	34.500	0	14.37	34.630	14.37	13.95	34.500
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	13.95	34.500	13.95	13.53	34.370	0	13.95	34.500	13.95	13.53	34.370
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	13.53	34.370	13.53	13.11	34.240	0	13.53	34.370	13.53	13.11	34.240
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	13.11	34.240	13.11	12.69	34.110	0	13.11	34.240	13.11	12.69	34.110
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	12.69	34.110	12.69	12.27	33.980	0	12.69	34.110	12.69	12.27	33.980
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	12.27	33.980	12.27	11.85	33.850	0	12.27	33.980	12.27	11.85	33.850
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	11.85	33.850	11.85	11.43	33.720	0	11.85	33.850	11.85	11.43	33.720
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	11.43	33.720	11.43	11.01	33.590	0	11.43	33.720	11.43	11.01	33.590
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	11.01	33.590	11.01	10.59	33.460	0	11.01	33.590	11.01	10.59	33.460
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	10.59	33.460	10.59	10.17	33.330	0	10.59	33.460	10.59	10.17	33.330
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	10.17	33.330	10.17	9.75	33.200	0	10.17	33.330	10.17	9.75	33.200
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	9.75	33.200	9.75	9.33	33.070	0	9.75	33.200	9.75	9.33	33.070
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	9.33	33.070	9.33	8.91	32.940	0	9.33	33.070	9.33	8.91	32.940
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	8.91	32.940	8.91	8.49	32.810	0	8.91	32.940	8.91	8.49	32.810
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	8.49	32.810	8.49	8.07	32.680	0	8.49	32.810	8.49	8.07	32.680
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	8.07	32.680	8.07	7.65	32.550	0	8.07	32.680	8.07	7.65	32.550
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	7.65	32.550	7.65	7.23	32.420	0	7.65	32.550	7.65	7.23	32.420
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	7.23	32.420	7.23	6.81	32.290	0	7.23	32.420	7.23	6.81	32.290
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	6.81	32.290	6.81	6.39	32.160	0	6.81	32.290	6.81	6.39	32.160
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	6.39	32.160	6.39	5.97	32.030	0	6.39	32.160	6.39	5.97	32.030
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	5.97	32.030	5.97	5.55	31.900	0	5.97	32.030	5.97	5.55	31.900
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	5.55	31.900	5.55	5.13	31.770	0	5.55	31.900	5.55	5.13	31.770
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	5.13	31.770	5.13	4.71	31.640	0	5.13	31.770	5.13	4.71	31.640
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	4.71	31.640	4.71	4.29	31.510	0	4.71	31.640	4.71	4.29	31.510
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	4.29	31.510	4.29	3.87	31.380	0	4.29	31.510	4.29	3.87	31.380
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	3.87	31.380	3.87	3.45	31.250	0	3.87	31.380	3.87	3.45	31.250
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	3.45	31.250	3.45	3.03	31.120	0	3.45	31.250	3.45	3.03	31.120
	24° 16'S	03° 23'W	4500 m	20 X 58	BT 610	0	3.03	31.120	3.03	2.61	30.990	0	3.03	31.120	3.03		

STATION # 451				STATION # 452				STATION # 453				STATION # 454				STATION # 455				STATION # 456				STATION # 457				STATION # 458																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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0	16.79	35.386		0	16.73	35.327		0	16.44	35.260		0	16.85	35.328		0	15.99	35.158		0	14.95	35.036		0	14.98	35.070		0	13.96	34.910		0	16.63	35.387		0	16.41	35.365		0	16.12	35.241		0	16.24	35.315		0	15.28	35.136		0	14.30	35.024		0	13.06	34.913		50	15.63	35.432		50	15.10	35.292		50	15.10	35.292		50	13.38	35.111		50	14.18	35.045		50	14.41	35.054		50	12.19	34.896		95	15.63	35.432		95	15.43	35.395		95	15.10	35.292		95	11.81	35.021		95	12.07	35.046		95	12.82	35.126		95	11.69	35.019		190	12.86	35.124		190	12.40	35.058		190	12.42	35.069		190	11.03	34.931		190	11.54	35.027		190	11.31	35.002		190	10.96	34.917		290	10.40	34.857		290	10.60	34.872		290	10.60	34.872		290	9.67	34.771		290	11.13	34.951		290	11.31	35.002		290	10.96	34.917		385	8.75	34.687		385	8.74	34.686		385	8.74	34.686		385	7.59	34.566		385	9.13	34.727		385	11.03	34.987		385	8.74	34.671		480	6.22	34.443		480	6.22	34.443		480	6.22	34.443		480	6.14	34.477		480	7.09	34.523		480	10.92	34.970		480	6.22	34.443		575	4.95	34.371		575	5.21	34.383		575	5.21	34.383		575	5.34	34.462		575	7.01	34.607		575	10.30	34.907		575	4.95	34.371		670	4.30	34.378		670	4.36	34.364		670	4.36	34.364		670	4.19	34.459		670	5.23	34.492		670	9.56	34.853		670	4.30	34.378		775	3.97	34.427		775	3.47	34.496		775	3.47	34.496		775	3.64	34.514		775	9.47	34.845		775	3.97	34.427		875	3.75	34.465		875	3.43	34.521		875	3.43	34.521		875	3.38	34.507		875	9.47	34.845		875	3.75	34.465		970	3.51	34.517		970	3.34	34.646		970	3.34	34.646		970	3.64	34.514		970	9.47	34.845		970	3.51	34.517		1070	3.33	34.575		1070	3.30	34.756		1070	3.28	34.727		1070	3.38	34.759		1070	9.47	34.845		1070	3.33	34.575		1170	3.33	34.648		1170	3.26	34.824		1170	3.24	34.811		1170	3.30	34.829		1170	9.47	34.845		1170	3.33	34.648		1785	3.15	34.870		1785	3.17	34.844		1785	3.17	34.844		1785	3.27	34.851		1785	3.45	34.600		1785	3.15	34.870		1980	3.23	34.743		1980	3.17	34.883		1980	3.17	34.883		1980	3.18	34.891		1980	3.45	34.650		1980	3.23	34.743		2275	2.89	34.898		2275	3.03	34.893		2275	3.03	34.893		2275	3.21	34.807		2275	3.45	34.650		2565	2.68	34.886		2565	2.87	34.895		2565	2.87	34.895		2565	3.15	34.867		2565	3.45	34.650		2880	2.54	34.882		2880	2.71	34.892		2880	2.71	34.892		2880	3.09	34.891		2880	3.45	34.650		3150	1.750	34.862		3150	2.44	34.876		3150	2.44	34.876		3150	2.74	34.895		3150	3.45	34.650		3445	2.31	34.864		3445	2.46	34.882		3445	2.46	34.882		3445	2.88	34.903		3445	3.45	34.650		3740	2.04	34.833		3740	2.31	34.864		3740	2.31	34.864		3740	2.74	34.894		3740	3.45	34.650		4035	1.46	34.774		4035	1.91	34.823		4035	1.91	34.823		4035	2.61	34.893		4035	3.45	34.650		4330	1.14	34.743		4330	1.31	34.765		4330	1.31	34.765		4330	2.55	34.887		4330	3.45	34.650		4625	1.09	34.735		4625	1.31	34.765		4625	1.31	34.765		4625	2.48	34.880		4625	3.45	34.650	

STATION # 483
DATE 21 XI 58
LAT. 00° 14'S
LONG. 19° 00'W
DEPTH 4800 m
GMT 2322 BT 971

DEPTH m	T °C	S o/oo
0	25.05	35.977
50	24.00	35.967
100	17.12	35.884
195	12.48	35.217
295	9.86	34.920
395*	7.68	34.686
495	6.74	34.708
590*	5.89	34.525
690	5.39	34.504
790*	4.67	34.508
890	4.40	34.609
1190*	4.39	34.806
1385	4.24	34.933
1585*	4.03	34.971
1725*	3.84	34.975
2020	3.44	34.964
2320*	3.16	34.952
2615	2.84	34.933
2915*	2.68	34.918
3210	2.57	34.914
3510*	2.49	34.911
3805	2.31	34.895
4105*	1.74	34.833
4505	1.07	34.757
4800*	1.05	34.750

STATION # 484
DATE 22 XI 58
LAT. 00° 14'S
LONG. 20° 17'W
DEPTH 3695 m
GMT 0853 BT 978

DEPTH m	T °C	S o/oo
0	25.39	35.918
50	25.30	35.949
90	19.81	36.167
195	12.66	35.441
295	10.16	34.948
395*	7.90	34.708
495	6.74	34.596
590*	5.94	34.525
690	5.63	34.516
790*	4.94	34.495
890	4.41	34.806
1190*	4.39	34.806
1385	4.26	34.919
1585*	3.98	34.967
1765*	3.76	34.975
1965	3.42	34.961
2165*	3.24	34.952
2360	2.97	34.940
2560	2.85	34.932
2760	2.80	34.927
2960*	2.66	34.923
3160	2.57	34.918
3360*	2.54	34.920
3560	2.48	34.910
3860*	2.46	34.910

STATION # 485
DATE 22 XI 58
LAT. 00° 17'S
LONG. 21° 39'W
DEPTH 3650 m
GMT 1828 BT 985

DEPTH m	T °C	S o/oo
0	25.66	36.058
40	25.29	36.152
85	22.27	35.879
170	12.56	35.226
260	11.74	35.126
350*	9.02	34.826
440*	6.21	34.540
530*	5.78	34.524
620	5.17	34.497
710*	4.43	34.564
895	4.39	34.685
1075*	4.39	34.685
1255	4.27	34.922
1435*	4.21	34.941
1610*	3.90	34.973
1800	3.68	34.969
1980*	3.50	34.966
2180	3.33	34.959
2370*	3.05	34.945
2560	2.87	34.933
2750	2.76	34.926
2940*	2.62	34.916
3135*	2.55	34.912
3325*	2.48	34.911
3615	2.48	34.911

STATION # 486
DATE 23 XI 58
LAT. 00° 12'S
LONG. 23° 01'W
DEPTH 3825 m
GMT 0404 BT 992

DEPTH m	T °C	S o/oo
0	25.35	36.154
50	25.36	36.144
100	21.86	35.847
200	12.46	35.214
295	9.91	34.923
395*	8.64	34.780
495	6.57	34.578
595*	5.95	34.523
695	5.32	34.503
795*	4.63	34.511
895	4.37	34.641
1190*	4.49	34.780
1390	4.27	34.922
1590*	4.00	34.971
1805*	3.68	34.969
2000	3.44	34.961
2200*	3.22	34.951
2400	3.04	34.940
2595*	2.90	34.933
2795	2.80	34.925
2995*	2.67	34.919
3195	2.58	34.916
3395*	2.52	34.909
3595	2.47	34.906
3795*	2.45	34.906

STATION # 487
DATE 23 XI 58
LAT. 00° 12'S
LONG. 24° 20'W
DEPTH 2575 m
GMT 1324 BT 999

DEPTH m	T °C	S o/oo
0	25.57	36.182
75	25.18	36.105
120	20.82	36.130
190	12.35	35.302
280	10.47	34.983
375*	8.66	34.804
470	7.16	34.625
570*	6.30	34.549
665	5.53	34.509
765*	4.73	34.498
865	4.50	34.525
955	4.34	34.638
1150*	4.40	34.762
1345	4.30	34.908
1540*	4.09	34.965
1540*	4.05	34.964
1540*	4.05	34.967
1690	3.75	34.972
1885*	3.69	34.968
2080	3.41	34.958
2275*	3.15	34.948
2475	2.95	34.942
2675*	2.92	34.934
2875	2.77	34.926
3050*	2.66	34.919
3250*	2.53	34.917
3515*	2.43	34.912

STATION # 488
DATE 23 XI 58
LAT. 00° 14'S
LONG. 25° 40'W
DEPTH 3050 m
GMT 2238 BT 1006

DEPTH m	T °C	S o/oo
0	25.52	36.092
45	25.26	36.053
95	22.54	36.365
190	12.35	35.199
285	10.13	34.946
380*	8.64	34.779
480	6.67	34.574
575*	6.12	34.532
670	5.40	34.509
770*	4.84	34.517
865	4.50	34.525
955	4.34	34.638
1150*	4.43	34.762
1345	4.30	34.908
1540*	4.09	34.965
1590*	4.00	34.970
1745	3.75	34.972
1940*	3.49	34.968
2140	3.29	34.958
2335*	3.10	34.952
2535	3.01	34.946
2730*	2.87	34.942
2925	2.67	34.926
3125*	2.50	34.919
3320	2.53	34.917
3515*	2.43	34.912

STATION # 489
DATE 24 XI 58
LAT. 00° 13'S
LONG. 27° 00'W
DEPTH 3535 m
GMT 0744 BT 1014

DEPTH m	T °C	S o/oo
0	25.48	35.954
55	25.11	35.878
95	21.71	36.149
190	12.70	35.250
285	10.41	34.987
380*	8.48	34.766
480	6.67	34.574
575*	6.12	34.532
670	5.40	34.509
770*	4.84	34.517
865	4.50	34.525
955	4.34	34.638
1150*	4.43	34.762
1355	4.26	34.862
1555*	4.16	34.955
1590*	4.00	34.973
1745	3.72	34.978
1940*	3.49	34.968
2140	3.29	34.958
2335*	3.10	34.952
2535	3.01	34.946
2730*	2.87	34.942
2925	2.67	34.926
3125*	2.50	34.919
3320	2.53	34.917
3515*	2.43	34.912

STATION # 490
DATE 24 XI 58
LAT. 00° 13'S
LONG. 28° 21'W
DEPTH 3830 m
GMT 1644 BT 1020

DEPTH m	T °C	S o/oo
0	26.42	35.906
65	24.95	36.214
135	17.25	35.884
190	12.96	35.285
285	11.78	35.129
380*	9.20	34.846
480	7.02	34.602
575*	6.12	34.546
670	5.03	34.500
770*	4.79	34.512
865	4.38	34.626
965	4.41	34.774
1160*	4.43	34.762
1355	4.26	34.929
1555*	4.08	34.966
1590*	3.78	34.975
1930	3.60	34.969
2125*	3.35	34.956
2320	3.14	34.944
2520*	3.01	34.944
2715	2.89	34.938
2910*	2.76	34.932
3105	2.64	34.918
3400*	2.50	34.913
3695	2.35	34.899
3830	2.29	34.894

STATION # 491
DATE 25 XI 58
LAT. 00° 14'S
LONG. 28° 44'W
DEPTH 4335 m
GMT 0218 BT 1027

DEPTH m	T °C	S o/oo
0	26.16	36.001
50	25.82	36.099
100	23.54	36.456
195	12.33	35.198
295	11.28	35.070
390*	8.09	34.715
490	6.80	34.593
585*	5.62	34.505
685	5.19	34.508
785*	4.77	34.514
880	4.43	34.637
1175*	4.43	34.790
1375	4.25	34.929
1570*	4.01	34.974
1720*	3.77	34.977
1915	3.57	34.970
2115*	3.39	34.962
2410	3.11	34.948
2710*	2.89	34.941
3005	2.71	34.924
3305*	2.55	34.918
3600	2.38	34.906
3800*	2.19	34.888
4200	1.44	34.804

STATION # 492
DATE 25 XI 58
LAT. 00° 15'S
LONG. 31° 02'W
DEPTH 4365 m
GMT 1112 BT 1033

DEPTH m	T °C	S o/oo
0	26.08	36.220
80	25.59	35.332
140	15.20	35.554
200	12.30	35.194
295	10.49	34.984
395*	8.58	34.772
495	7.09	34.608
595*	5.70	34.484
695	5.15	34.506
795*	4.63	34.512
890	4.38	34.629
1190*	4.41	34.806
1390	4.25	34.929
1590*	3.91	34.972
1775*	3.67	34.974
1975	3.54	34.970
2170*	3.26	34.955
2370	3.05	34.947
2665*	2.88	34.942
2865	2.71	34.926
3060*	2.54	34.916
3260*	2.40	34.910
3460*	2.32	34.902
3660	2.19	34.888
4160	1.34	34.793
4360*	0.99	34.753

STATION # 493
DATE 25 XI 58
LAT. 00° 15'S
LONG. 32° 19'W
DEPTH 4045 m
GMT 2041 BT 1039

DEPTH m	T °C	S o/oo
0	26.55	36.235
65	26.14	36.281
125	17.37	35.879
190	12.50	35.216
285	11.09	35.046
380*	8.34	34.735
475	7.40	34.624
570*	5.99	34.528
665	5.24	34.500
765*	4.67	34.510
860	4.45	34.788
1155*	4.45	34.788
1350	4.27	34.916
1550*	4.06	34.966
1755*	3.81	34.977
1955	3.55	34.970
2150*	3.37	34.959
2345	3.06	34.945
2545*	2.92	34.937
2740	2.79	34.931
2940*	2.73	34.925
3140	2.61	34.917
3340*	2.48	34.913
3540*	2.48	34.913
3840	2.33	34.902
4040*	1.88	34.852

STATION # 494
DATE 26 XI 58
LAT. 00° 10'S
LONG. 33° 40'W
DEPTH 4410 m
GMT 0613 BT 1045

DEPTH m	T °C	S o/oo
0	26.57	36.130
70	26.22	36.305
140	16.51	35.770
195	12.18	35.177
295	11.41	35.082
395*	8.47	34.752
495	6.86	34.592
590*	5.71	34.514
690	5.11	34.497
790*	4.67	34.519
890	4.40	34.688
1185*	4.46	34.808
1385	4.27	34.926
1585*	4.04	34.970
1815*	3.73	34.979
2015	3.52	34.975
2215*	3.34	34.964
2410	2.99	34.946
2610*	2.84	

LAT. 00° 15'S
 LONG. 40° 21'W
 DEPTH 3965 m
 GMT 1622 BT 1076

LAT. 00° 15'W
 LONG. 41° 41'W
 DEPTH 3805 m
 GMT 0113 BT 1082

LAT. 00° 15'S
 LONG. 42° 42'W
 DEPTH 3065 m
 GMT 0917 BT 1088

LAT. 00° 14'S
 LONG. 43° 21'W
 DEPTH 3220 m
 GMT 1532 BT 1091

LAT. 00° 14'S
 LONG. 43° 48'W
 DEPTH 2940 m
 GMT 2022 BT 1093

LAT. 00° 14'S
 LONG. 44° 06'W
 DEPTH 170 m
 GMT 0007 BT 1095

DEPTH m	T °C	S °/∞
0	27.38	36.056
50	26.77	36.177
95	25.41	36.393
145	20.98	36.422
195	12.63	35.224
290*	11.14	35.045
385	8.26	34.691
485*	7.00	34.594
580	6.02	34.539
680*	5.33	34.508
775	4.92	34.507
875*	4.55	34.531
970	4.44	34.513
1165*	4.46	34.781
1350*	4.36	34.900
1550	4.26	34.966
1745*	3.86	34.985
1940	3.47	34.976
2235*	3.23	34.966
2530	3.02	34.952
2825*	2.82	34.939
3120	2.63	34.928
3415*	2.46	34.915
3710	2.34	34.908
3905*	2.22	34.903

DEPTH m	T °C	S °/∞
0	27.01	36.100
35	26.99	36.106
70	26.51	36.267
105	25.87	36.376
140	---	36.636
195	---	36.636
210*	12.52	35.198
285	10.49	34.960
360*	9.19	34.816
435	7.57	34.638
510*	6.71	34.579
590	5.96	34.532
675*	5.31	34.508
760	5.00	34.500
935*	4.45	34.561
1185*	4.45	34.793
1385	4.32	34.940
1590*	4.15	34.977
1795	3.92	34.982
2100*	3.36	34.966
2400	3.16	34.958
2700*	2.91	34.946
2995	2.71	34.934
3290*	2.59	34.925
3580	2.40	34.915
3770	2.37	34.910

DEPTH m	T °C	S °/∞
0	26.94	36.110
45	26.89	36.132
90	26.40	36.341
140	20.14	36.332
190	---	35.261
270*	9.48	34.840
360	8.26	34.707
445*	7.21	34.615
525	5.79	34.522
610*	5.03	34.503
695	4.66	34.510
775*	4.47	34.549
860	4.43	34.624
1030*	4.46	34.780
1195*	4.41	34.851
1310	4.42	34.900
1410*	4.38	34.938
1605	4.06	34.982
1805*	3.84	34.980
2005	3.34	34.968
2210*	3.15	34.960
2415	3.05	34.953
2620*	2.95	34.947
2825	2.80	34.941
3030*	2.65	34.933

DEPTH m	T °C	S °/∞
0	27.03	36.138
45	26.88	36.160
90	26.65	36.253
135	20.37	36.352
180	15.59	35.638
270*	11.69	35.082
360	9.40	34.836
445*	7.11	34.604
525	5.91	34.522
610*	5.47	34.516
695	4.97	34.502
775*	4.64	34.516
860	4.47	34.537
1030*	4.39	34.657
1195*	4.45	34.804
1390	4.36	34.912
1585*	4.19	34.984
1775	3.83	34.981
1970*	3.59	34.977
2165	3.34	34.969
2360*	3.12	34.965
2555	3.01	34.953
2750*	2.84	34.944
2940	2.73	34.938
3125*	2.63	34.931

DEPTH m	T °C	S °/∞
0	26.98	36.192
95	26.28	36.306
130	21.78	36.293
160	16.64	35.767
190	14.90	35.538
280*	12.17	35.142
375	8.57	34.745
465*	6.88	34.588
560	5.37	34.464
655*	4.76	34.441
745	4.80	34.502
845*	4.46	34.529
940	4.42	34.566
1135*	4.46	34.773
1290*	4.43	34.853
1470	4.32	34.960
1655*	4.17	34.990
1835	3.86	34.989
2020*	3.39	34.973
2210	3.24	34.968
2405*	3.11	34.959
2600	2.90	34.950
2800*	2.79	34.947

DEPTH m	T °C	S °/∞
0	26.68	36.238
25	26.72	36.235
50	26.72	36.240
70	26.71	36.237
85	26.68	36.243
105*	26.53	36.245
120	26.4 ?	36.246
140	26.5 ?	36.246

LAT.	LONG.	DEPTH	GMT	LAT.	LONG.	DEPTH	GMT	LAT.	LONG.	DEPTH	GMT	LAT.	LONG.	DEPTH	GMT	LAT.	LONG.	DEPTH	GMT				
46° 02'N	37° 34'W	4539 m	1800	46° 09'N	36° 05'W	4276-4305 m	0308	46° 15'N	33° 21'W	3875 m	1914	46° 30'N	33° 05'W	3477 m	2040	46° 57'N	30° 25'W	3411-3477 m	1208				
46° 02'N	37° 34'W	4539 m	1800	46° 09'N	36° 05'W	4276-4305 m	0308	46° 15'N	33° 21'W	3875 m	1914	46° 30'N	33° 05'W	3477 m	2040	46° 57'N	30° 25'W	3411-3477 m	1208	47° 13'N	27° 04'W	2409-2427 m	0659
46° 02'N	37° 34'W	4539 m	1800	46° 09'N	36° 05'W	4276-4305 m	0308	46° 15'N	33° 21'W	3875 m	1914	46° 30'N	33° 05'W	3477 m	2040	46° 57'N	30° 25'W	3411-3477 m	1208	47° 13'N	27° 04'W	2409-2427 m	0659
46° 02'N	37° 34'W	4539 m	1800	46° 09'N	36° 05'W	4276-4305 m	0308	46° 15'N	33° 21'W	3875 m	1914	46° 30'N	33° 05'W	3477 m	2040	46° 57'N	30° 25'W	3411-3477 m	1208	47° 13'N	27° 04'W	2409-2427 m	0659
46° 02'N	37° 34'W	4539 m	1800	46° 09'N	36° 05'W	4276-4305 m	0308	46° 15'N	33° 21'W	3875 m	1914	46° 30'N	33° 05'W	3477 m	2040	46° 57'N	30° 25'W	3411-3477 m	1208	47° 13'N	27° 04'W	2409-2427 m	0659
46° 02'N	37° 34'W	4539 m	1800	46° 09'N	36° 05'W	4276-4305 m	0308	46° 15'N	33° 21'W	3875 m	1914	46° 30'N	33° 05'W	3477 m	2040	46° 57'N	30° 25'W	3411-3477 m	1208	47° 13'N	27° 04'W	2409-2427 m	0659
46° 02'N	37° 34'W	4539 m	1800	46° 09'N	36° 05'W	4276-4305 m	0308	46° 15'N	33° 21'W	3875 m	1914	46° 30'N	33° 05'W	3477 m	2040	46° 57'N	30° 25'W	3411-3477 m	1208	47° 13'N	27° 04'W	2409-2427 m	0659
46° 02'N	37° 34'W	4539 m	1800	46° 09'N	36° 05'W	4276-4305 m	0308	46° 15'N	33° 21'W	3875 m	1914	46° 30'N	33° 05'W	3477 m	2040	46° 57'N	30° 25'W	3411-3477 m	1208	47° 13'N	27° 04'W	2409-2427 m	0659
46° 02'N	37° 34'W	4539 m	1800	46° 09'N	36° 05'W	4276-4305 m	0308	46° 15'N	33° 21'W	3875 m	1914	46° 30'N	33° 05'W	3477 m	2040	46° 57'N	30° 25'W	3411-3477 m	1208	47° 13'N	27° 04'W	2409-2427 m	0659
46° 02'N	37° 34'W	4539 m	1800	46° 09'N	36° 05'W	4276-4305 m	0308	46° 15'N	33° 21'W	3875 m	1914	46° 30'N	33° 05'W	3477 m	2040	46° 57'N	30° 25'W	3411-3477 m	1208	47° 13'N	27° 04'W	2409-2427 m	0659
46° 02'N	37° 34'W	4539 m	1800	46° 09'N	36° 05'W	4276-4305 m	0308	46° 15'N	33° 21'W	3875 m	1914	46° 30'N	33° 05'W	3477 m	2040	46° 57'N	30° 25'W	3411-3477 m	1208	47° 13'N	27° 04'W	2409-2427 m	0659

DEPTH	T °C	S ‰	DEPTH	T °C	S ‰	DEPTH	T °C	S ‰	DEPTH	T °C	S ‰	DEPTH	T °C	S ‰	DEPTH	T °C	S ‰	DEPTH	T °C	S ‰
1	13.07	35.825	1	11.89	35.651	1	12.44	35.719	1	11.78	35.580	1	13.41	35.879	1	12.29	35.632	1	13.06	35.787
49	12.82	35.786	49	11.91	35.650	49	12.29	35.688	49	11.86	35.598	49	13.38	35.873	49	12.25	35.645	50	13.06	35.784
98	12.30	35.670	98	11.91	35.650	98	11.61	35.573	98	11.61	35.564	98	13.37	35.876	98	12.06	35.645	100	12.81	35.759
196	12.22	35.657	196	10.88	35.485	196	11.14	35.504	196	10.59	35.406	196	12.99	35.801	196	11.56	35.561	200	12.39	35.694
295	12.12	35.675	295	10.35	35.389	295	10.68	35.409	295	10.30	35.208	295	12.89	35.775	295	10.48	35.373	299	11.95	35.631
394*	12.07	35.675	394*	8.55	35.137	394*	8.65	35.137	394*	8.30	35.208	394*	12.89	35.775	394*	9.20	35.373	399*	11.44	35.554
493	11.61	35.588	493	6.77	34.933	493	7.11	34.967	493	6.56	34.973	493	10.71	35.383	493	7.96	35.114	498	11.03	35.476
592*	9.76	35.203	592*	5.62	34.939	592*	6.30	34.976	592*	5.66	34.987	592*	8.73	35.178	592*	6.83	35.087	596*	9.84	35.329
692	8.03	35.018	692	4.87	34.939	692	5.37	35.029	692	5.20	34.986	692	6.78	35.082	692	6.17	35.082	694	8.49	35.221
791	6.29	34.846	791	4.82	34.988	791	5.55	35.058	791	4.87	34.988	791	6.78	35.082	791	6.17	35.082	694	8.49	35.221
891	5.52	34.943	891	4.52	34.982	891	5.05	35.041	891	4.50	34.989	891	6.78	35.082	891	6.17	35.082	694	8.49	35.221
990*	5.20	34.998	990*	4.13	34.955	990*	4.68	35.026	990*	4.10	34.960	990*	6.78	35.082	990*	6.17	35.082	694	8.49	35.221
1090	4.97	35.014	1090	4.21	34.943	1090	4.28	34.986	1090	4.10	34.960	1090	6.78	35.082	1090	6.17	35.082	694	8.49	35.221
1189*	4.53	34.987	1189*	3.85	34.935	1189*	4.06	34.969	1189*	3.82	34.938	1189*	6.78	35.082	1189*	6.17	35.082	694	8.49	35.221
1199*	4.40	34.970	1199*	3.67	34.926	1199*	4.00	34.964	1199*	3.67	34.931	1199*	6.78	35.082	1199*	6.17	35.082	694	8.49	35.221
1288	4.16	34.957	1288	3.49	34.915	1288	3.75	34.947	1288	3.50	34.924	1288	6.78	35.082	1288	6.17	35.082	694	8.49	35.221
1476*	3.88	34.940	1476*	3.44	34.925	1476*	3.59	34.937	1476*	3.46	34.935	1476*	6.78	35.082	1476*	6.17	35.082	694	8.49	35.221
1775	3.60	34.924	1775	3.36	34.939	1775	3.50	34.938	1775	3.35	34.943	1775	6.78	35.082	1775	6.17	35.082	694	8.49	35.221
2073	3.50	34.921	2073	3.23	34.942	2073	3.45	34.943	2073	3.23	34.944	2073	6.78	35.082	2073	6.17	35.082	694	8.49	35.221
2472	3.42	34.940	2472	3.19	34.945	2472	3.27	34.952	2472	3.19	34.945	2472	6.78	35.082	2472	6.17	35.082	694	8.49	35.221
2871*	3.16	34.944	2871*	2.97	34.942	2871*	3.06	34.949	2871*	2.76	34.939	2871*	6.78	35.082	2871*	6.17	35.082	694	8.49	35.221
3270	2.89	34.939	3270	2.74	34.934	3270	2.87	34.945	3270	2.76	34.939	3270	6.78	35.082	3270	6.17	35.082	694	8.49	35.221
3670*	2.58	34.924	3670*	2.40	34.922	3670*	2.66	34.935	3670*	2.55	34.930	3670*	6.78	35.082	3670*	6.17	35.082	694	8.49	35.221
4068	2.33	34.913	4068	2.28	34.916	4068	2.44	34.926	4068	2.43	34.923	4068	6.78	35.082	4068	6.17	35.082	694	8.49	35.221
4466*	2.20	34.911	4466*	2.16	34.912	4466*	2.36	34.921	4466*	2.36	34.923	4466*	6.78	35.082	4466*	6.17	35.082	694	8.49	35.221
4466*	2.20	34.911	4466*	2.16	34.912	4466*	2.36	34.921	4466*	2.36	34.923	4466*	6.78	35.082	4466*	6.17	35.082	694	8.49	35.221

STATION #	DATE	LAT.	LONG.	DEPTH	GMT	STATION #	DATE	LAT.	LONG.	DEPTH	GMT	STATION #	DATE	LAT.	LONG.	DEPTH	GMT						
3533	23 IV 57	47° 21'N	25° 32'W	3297 m	1527	3534	24 IV 57	47° 28'N	24° 01'W	3405 m	0038	3535	24 IV 57	47° 35'N	22° 28'W	4491 m	0929						
3533	23 IV 57	47° 21'N	25° 32'W	3297 m	1527	3534	24 IV 57	47° 28'N	24° 01'W	3405 m	0038	3535	24 IV 57	47° 35'N	22° 28'W	4491 m	0929	3536	24 IV 57	47° 42'N	20° 59'W	4391-4456 m	1834
3533	23 IV 57	47° 21'N	25° 32'W	3297 m	1527	3534	24 IV 57	47° 28'N	24° 01'W	3405 m	0038	3535	24 IV 57	47° 35'N	22° 28'W	4491 m	0929	3536	24 IV 57	47° 42'N	20° 59'W	4391-4456 m	1834
3533	23 IV 57	47° 21'N	25° 32'W	3297 m	1527	3534	24 IV 57	47° 28'N	24° 01'W	3405 m	0038	3535	24 IV 57	47° 35'N	22° 28'W	4491 m	0929	3536	24 IV 57	47° 42'N	20° 59'W	4391-4456 m	1834
3533	23 IV 57	47° 21'N	25° 32'W	3297 m	1527	3534	24 IV 57	47° 28'N	24° 01'W	3405 m	0038	3535	24 IV 57	47° 35'N	22° 28'W	4491 m	0929	3536	24 IV 57	47° 42'N	20° 59'W	4391-4456 m	1834
3533	23 IV 57	47° 21'N	25° 32'W	3297 m	1527	3534	24 IV 57	47° 28'N	24° 01'W	3405 m	0038	3535	24 IV 57	47° 35'N	22° 28'W	4491 m	0929	3536	24 IV 57	47° 42'N	20° 59'W	4391-4456 m	1834
3533	23 IV 57	47° 21'N	25° 32'W	3297 m	1527	3534	24 IV 57	47° 28'N	24° 01'W	3405 m	0038	3535	24 IV 57	47° 35'N	22° 28'W	4491 m	0929	3536	24 IV 57	47° 42'N	20° 59'W	4391-4456 m	1834
3533	23 IV 57	47° 21'N	25° 32'W	3297 m	1527	3534	24 IV 57	47° 28'N	24° 01'W	3405 m	0038	3535	24 IV 57	47° 35'N	22° 28'W	4491 m	0929	3536	24 IV 57	47° 42'N	20° 59'W	4391-4456 m	1834
3533	23 IV 57	47° 21'N	25° 32'W	3297 m	1527	3534	24 IV 57	47° 28'N	24° 01'W	3405 m	0038												

STATION #	DATE	LAT.	LONG.	DEPTH	GMT	DEPTH	T	S	DEPTH	T	S
#				m		m	oC	o/oo	m	oC	o/oo
STATION # 3610	DATE 17 X 57	LAT. 24° 37'N	LONG. 51° 55'W	DEPTH 4995 m	GMT 1539	1	26.65	37.131	1	26.80	36.244
						50	24.34	36.897	50	26.00	36.796
						100	22.94	37.042	100	22.15	36.902
						199*	18.27	36.526	199*	18.84	36.597
						299	17.43	36.414	299	17.66	36.452
						398*	16.31	36.221	398*	16.64	36.276
						494	14.57	35.951	498	14.93	35.999
						592*	12.72	35.697	597*	13.05	35.737
						691	10.87	35.470	697	11.00	35.471
						797*	8.98	35.222	796*	9.34	35.294
						886	7.09	35.027	886	7.88	35.154
						986*	6.14	34.994	986*	6.35	35.014
						1195	5.23	35.034	1194	5.29	35.050
						1394*	4.61	35.045	1393*	4.75	35.056
						1478*	4.47	35.048	1597*	4.22	35.052
						1775	3.95	35.037	1996	3.57	35.044
						2072*	3.42	34.998	2395*	3.16	34.978
						2369	3.08	34.970	2794	2.89	34.951
						2658*	2.90	34.951	3194*	2.67	34.936
						2968	2.73	34.936	3593	2.48	34.916
						3368*	2.49	34.913	3993*	2.36	34.907
						3768	2.31	34.897	4391	2.29	34.898
						4168*	2.21	34.884	4802*	2.13	34.873
						4568	2.15	34.874	5291	2.02	34.853
						4968*	2.13	34.866	5790*	2.08	34.850
STATION # 3611	DATE 18 X 57	LAT. 24° 28'N	LONG. 53° 35'W	DEPTH 5368 m	GMT 0533	1	26.80	36.244	1	27.59	36.917
						49	24.34	36.897	50	27.60	36.880
						99	21.47	36.863	100	23.14	36.903
						197*	18.27	36.526	199*	19.15	36.627
						296	17.43	36.434	299	17.83	36.470
						395*	16.31	36.221	398*	17.07	36.344
						494	14.57	35.951	498	15.43	36.081
						592*	12.72	35.697	597*	13.36	35.767
						691	10.87	35.470	697	11.17	35.484
						790*	8.78	35.222	796*	9.11	35.227
						888	7.33	35.094	896	7.35	35.027
						987*	6.32	35.041	996*	6.39	34.986
						1184	5.31	35.043	1194	5.39	35.044
						1382*	4.85	35.082	1393*	4.75	35.056
						1487*	4.63	35.077	1597*	4.22	35.052
						1775	3.91	35.042	1996	3.57	35.044
						2083*	3.46	35.007	2395*	3.16	34.978
						2481	3.07	34.969	2794	2.89	34.951
						2680*	2.81	34.945	3194*	2.67	34.936
						2979	2.58	34.924	3593	2.48	34.916
						3279	2.37	34.911	3993*	2.36	34.907
						3678*	2.24	34.890	4391	2.29	34.898
						4078	2.24	34.876	4802*	2.13	34.873
						4478*	2.12	34.876	5291	2.02	34.853
						4878	2.05	34.860	5790*	2.08	34.850
						5278*	2.05	34.856			
STATION # 3612	DATE 18 X 57	LAT. 24° 31'N	LONG. 55° 41'W	DEPTH 5772 m	GMT 2200	1	27.59	36.917	1	27.82	36.696
						50	26.00	36.796	50	27.73	36.835
						100	22.15	36.902	100	23.03	36.835
						199*	18.84	36.597	199*	19.72	36.697
						299	17.66	36.452	299	17.82	36.470
						398*	16.31	36.221	407*	17.07	36.344
						494	14.57	35.951	498	15.67	36.106
						592*	12.72	35.697	598*	13.65	35.805
						691	10.87	35.470	697	11.90	35.584
						790*	8.78	35.222	796*	9.78	35.327
						888	7.33	35.094	896	7.56	35.068
						987*	6.32	35.041	996*	6.56	35.023
						1184	5.31	35.043	1194	5.36	35.039
						1382*	4.85	35.082	1393*	4.66	35.052
						1541*	4.41	35.058	1600*	4.21	35.037
						1938	3.67	35.013	1988	3.56	35.008
						2336*	3.17	34.978	2395*	3.12	34.973
						2734	2.88	34.951	2789	2.85	34.948
						3131*	2.68	34.934	3190	2.61	34.929
						3529	2.49	34.919	3590	2.45	34.916
						3926*	2.27	34.909	3990*	2.34	34.912
						4324	2.27	34.895	4389	2.32	34.903
						4722*	2.12	34.879	4898	2.16	34.878
						5219	2.03	34.853	5387	2.05	34.851
						5716*	2.08	34.851	5885*	2.09	34.849
STATION # 3613	DATE 19 X 57	LAT. 24° 32'N	LONG. 57° 30'W	DEPTH 5796 m	GMT 1134	1	27.59	36.917	1	28.31	36.502
						50	27.60	36.880	49	28.24	36.499
						100	23.14	36.903	99	23.10	36.774
						199*	19.15	36.627	198*	19.57	36.688
						299	17.83	36.470	297	17.89	36.476
						398*	17.07	36.344	398*	17.46	36.407
						498	15.43	36.081	494	15.65	36.153
						597*	13.36	35.767	593*	13.61	35.818
						697	11.17	35.484	692	11.66	35.535
						796*	8.84	35.171	791*	9.18	35.227
						896	7.35	35.027	890	7.67	35.024
						995*	6.39	34.986	992*	6.76	34.988
						1194	5.39	35.044	1186	5.41	35.068
						1393*	4.75	35.056	1384*	4.64	35.052
						1597*	4.22	35.052	1600*	4.20	34.042
						1996	3.57	35.044	1988	3.58	34.998
						2395*	3.16	34.976	2389*	3.17	34.973
						2794	2.89	34.951	2782	2.89	34.951
						3194*	2.67	34.936	3174*	2.68	34.933
						3593	2.48	34.916	3570	2.49	34.916
						3993*	2.36	34.905	3990*	2.37	34.909
						4392	2.28	34.896	4365	2.31	34.899
						4792*	2.13	34.873	4772	2.23	34.885
						5291	2.02	34.850	5259	2.07	34.856
						5790*	2.08	34.850	5751*	2.08	34.849
STATION # 3614	DATE 20 X 57	LAT. 24° 29'N	LONG. 59° 18'W	DEPTH 5824 m	GMT 0048	1	27.82	36.696	1	27.95	35.871
						50	27.73	36.835	49	28.36	36.335
						100	23.03	36.835	97	23.91	36.586
						199*	19.72	36.697	194*	20.29	36.747
						299	17.82	36.470	292	18.18	36.517
						398*	17.07	36.344	398*	17.46	36.407
						498	15.67	36.106	486	15.96	36.153
						598*	13.65	35.805	583*	13.81	35.818
						697	11.90	35.584	680	11.73	35.527
						796*	9.78	35.327	777*	9.79	35.261
						896	7.56	35.068	890	7.77	35.024
						996*	6.56	35.015	972*	6.76	34.988
						1194	5.36	35.039	1164	5.36	35.034
						1393*	4.66	35.052	1361*	4.62	35.036
						1500*	4.21	35.037	1607*		

LAT.	LONG.	DEPTH	GMT	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S	DEPTH	T	S														
32° 14'N	48° 42'W	4963 m	0013	32° 13'N	47° 05'W	4740 m	1159	32° 10'N	45° 18'W	4091 m	0002	32° 13'N	43° 37'W	3440 m	1142	32° 14'N	41° 42'W	3200 m	2340	32° 14'N	39° 50'W	3008 m	1124	32° 15'N	37° 56'W	2952 m	2324	32° 17'N	36° 02'W	3292 m	1111	
0	22.49	36.858	0	22.05	36.706	0	21.68	36.588	0	21.71	36.465	0	21.49	36.462	0	21.89	36.663	0	21.89	36.663	0	21.49	36.462	0	21.89	36.663	0	21.49	36.462	0	21.43	36.766
50	22.52	36.913	50	22.16	36.732	50	21.67	36.589	50	21.56	36.486	50	21.45	36.490	50	21.90	36.671	50	21.90	36.671	50	21.48	36.490	50	21.89	36.663	50	21.48	36.758			
100	19.46	36.598	100	19.66	36.561	100	19.88	36.574	100	19.00	36.531	100	18.49	36.491	100	20.27	36.588	100	20.27	36.588	100	18.40	36.537	100	17.85	36.469	100	18.40	36.537			
200	18.06	36.493	200	17.90	36.469	200	18.13	36.494	200	17.89	36.473	200	17.54	36.420	200	17.54	36.469	200	17.54	36.469	200	17.27	36.406	200	17.13	36.360	200	17.27	36.406			
300	17.44	36.419	300	17.37	36.409	300	17.53	36.411	300	17.22	36.372	300	17.22	36.372	300	17.22	36.372	300	17.22	36.372	300	17.13	36.360	300	17.13	36.360	300	17.13	36.360			
400	16.57	36.256	400	16.37	36.223	400	16.97	36.329	400	16.00	36.171	400	16.00	36.171	400	16.00	36.171	400	16.00	36.171	400	15.55	36.103	400	15.55	36.103	400	15.55	36.103			
495	15.12	36.041	495	15.16	36.037	495	15.15	36.027	495	14.62	35.945	495	14.62	35.945	495	14.62	35.945	495	14.62	35.945	495	14.44	35.888	495	14.44	35.888	495	14.44	35.888			
595	13.71	35.828	595	14.17	35.891	595	14.11	35.891	595	13.04	35.701	595	13.04	35.701	595	13.04	35.701	595	13.04	35.701	595	13.02	35.632	595	13.02	35.632	595	13.02	35.632			
690	--	35.616	690	12.56	35.634	690	12.16	35.583	690	11.40	35.492	690	11.40	35.492	690	11.40	35.492	690	11.40	35.492	690	11.11	35.488	690	11.11	35.488	690	11.11	35.488			
790	10.37	35.438	790	10.84	35.454	790	10.33	35.399	790	9.78	35.335	790	9.78	35.335	790	9.78	35.335	790	9.78	35.335	790	9.20	35.309	790	9.20	35.309	790	9.20	35.309			
890	8.62	35.292	890	9.23	35.325	890	8.18	35.220	890	7.77	35.295	890	7.77	35.295	890	7.77	35.295	890	7.77	35.295	890	8.62	35.319	890	8.62	35.319	890	8.62	35.319			
990	7.38	35.259	990	7.91	35.275	990	7.38	35.288	990	7.25	35.288	990	7.25	35.288	990	7.25	35.288	990	7.25	35.288	990	7.85	35.312	990	7.85	35.312	990	7.85	35.312			
1190	5.96	35.187	1190	6.45	35.233	1190	5.52	35.083	1190	6.51	35.265	1190	6.51	35.265	1190	6.51	35.265	1190	6.51	35.265	1190	7.00	35.325	1190	7.00	35.325	1190	7.00	35.325			
1390	5.24	35.156	1390	5.50	35.190	1390	4.99	35.059	1390	6.18	35.268	1390	6.18	35.268	1390	6.18	35.268	1390	6.18	35.268	1390	6.21	35.230	1390	6.21	35.230	1390	6.21	35.230			
1560	4.76	35.114	1560	4.68	35.114	1560	4.31	35.012	1560	4.81	35.118	1560	4.81	35.118	1560	4.81	35.118	1560	4.81	35.118	1560	5.47	35.138	1560	5.47	35.138	1560	5.47	35.138			
1855	4.02	35.055	1855	3.97	35.037	1855	3.90	34.978	1855	3.70	34.964	1855	3.70	34.964	1855	3.70	34.964	1855	3.70	34.964	1855	5.15	35.194	1855	5.15	35.194	1855	5.15	35.194			
2155	3.60	35.008	2155	3.51	35.004	2155	3.56	34.966	2155	3.56	34.966	2155	3.56	34.966	2155	3.56	34.966	2155	3.56	34.966	2155	4.32	35.079	2155	4.32	35.079	2155	4.32	35.079			
2455	3.34	34.995	2455	3.28	34.991	2455	3.28	34.991	2455	3.28	34.991	2455	3.28	34.991	2455	3.28	34.991	2455	3.28	34.991	2455	3.80	35.025	2455	3.80	35.025	2455	3.80	35.025			
2755	3.12	34.966	2755	3.04	34.956	2755	3.04	34.956	2755	3.04	34.956	2755	3.04	34.956	2755	3.04	34.956	2755	3.04	34.956	2755	3.54	34.996	2755	3.54	34.996	2755	3.54	34.996			
3055	2.91	34.953	3055	2.87	34.945	3055	2.87	34.945	3055	2.87	34.945	3055	2.87	34.945	3055	2.87	34.945	3055	2.87	34.945	3055	3.26	34.974	3055	3.26	34.974	3055	3.26	34.974			
3355	2.69	34.932	3355	2.67	34.930	3355	2.67	34.930	3355	2.67	34.930	3355	2.67	34.930	3355	2.67	34.930	3355	2.67	34.930	3355	3.03	34.949	3355	3.03	34.949	3355	3.03	34.949			
3755	2.43	34.914	3755	2.48	34.912	3755	2.48	34.912	3755	2.48	34.912	3755	2.48	34.912	3755	2.48	34.912	3755	2.48	34.912	3755	3.02	34.970	3755	3.02	34.970	3755	3.02	34.970			
4155	2.30	34.901	4155	2.32	34.898	4155	2.32	34.898	4155	2.32	34.898	4155	2.32	34.898	4155	2.32	34.898	4155	2.32	34.898	4155	2.89	34.942	4155	2.89	34.942	4155	2.89	34.942			
4550	2.21	34.880	4550	2.26	34.883	4550	2.26	34.883	4550	2.26	34.883	4550	2.26	34.883	4550	2.26	34.883	4550	2.26	34.883	4550	2.89	34.905	4550	2.89	34.905	4550	2.89	34.905			
4945	2.25	34.881	4945	2.25	34.882	4945	2.32	34.897	4945	2.32	34.897	4945	2.32	34.897	4945	2.32	34.897	4945	2.32	34.897	4945	2.89	34.942	4945	2.89	34.942	4945	2.89	34.942			

LAT. 56° 26'N	LAT. 56° 36'N	LAT. 56° 46'N	LAT. 57° 00'N	LAT. 57° 10'N	LAT. 57° 17'N	LAT. 57° 24'N
LONG. 10° 38'W	LONG. 11° 31'W	LONG. 12° 22'W	LONG. 13° 29'W	LONG. 14° 02'W	LONG. 14° 37'W	LONG. 15° 11'W
DEPTH 2280 m	DEPTH 2546 m	DEPTH 2280 m	DEPTH 393 m	DEPTH 165 m	DEPTH 227 m	DEPTH 540 m
GMT 1742	GMT 0006	GMT 0543	GMT 1345	GMT 1622	GMT 1858	GMT 2135
DEPTH T S	DEPTH T S	DEPTH T S	DEPTH T S	DEPTH T S	DEPTH T S	DEPTH T S
m oC o/oo	m oC o/oo	m oC o/oo	m oC o/oo	m oC o/oo	m oC o/oo	m oC o/oo
1 14.36 35.405	1 14.63 35.420	1 15.00 35.446	1 15.14 35.426	1 14.97 35.379	1 15.01 35.334	1 15.14 35.390
50 10.74 35.476	50 11.22 35.453	50 11.56 35.464	25 --- 35.411	24 14.43 35.377	25 11.92 35.342	20 14.74 35.365
99 10.45 35.463	99 10.50 35.454	99 10.86 35.448	50 11.61 35.377	49* 10.40 35.370	50* 9.50 35.373	69 10.29 35.412
149* 10.20 35.456	149* 10.22 35.465	149* 10.62 35.463	99* 9.87 35.427	73 9.33 35.369	75 9.30 35.372	118* 9.95 35.411
199 9.95 35.452	199 9.99 35.456	199 10.46 35.437	149 9.67 35.408	97* 9.01 35.386	140* 9.11 35.363	167 9.75 35.408
298* 9.77 35.443	298* 9.79 35.421	298* 9.93 35.421	223* 9.50 35.410	126 9.02 35.378	180 8.96 35.363	217* 9.60 35.392
397 9.61 35.427	397 9.61 35.427	398 9.79 35.421	297 9.35 35.389	156* 9.05 35.367	220* 8.95 35.365	266 9.52 35.386
497* 9.49 35.419	497* 9.41 35.434	497* 9.60 35.430	372* 9.15 35.378			315* 9.43 35.378
596 9.29 35.391	596 9.29 35.396	596 9.30 35.384				414 9.19 35.383
695* 9.07 35.393	696* 9.27 35.408	696* 9.10 35.386				512* 8.89 35.340
794 8.75 35.354	795 9.17 35.390	795 8.92 35.379				
894* 8.27 35.306	895* 9.07 35.377	895* 8.51 35.322				
993 7.65 35.301	993 9.94 8.93 35.359	983 7.97 35.275				
1092* 6.90 35.228	1093* 8.69 35.346	1081* 7.29 35.233				
1080* 7.05 35.229	1114* 8.49 35.341	997* 7.82 35.266				
1179 6.33 35.206	1211 7.65 35.279	1094 7.14 35.220				
1278* 5.77 35.147	1309* 6.69 35.222	1192* 6.13 35.169				
1378 5.13 35.098	1505 5.21 35.076	1411 4.97 35.049				
1478* 4.46 35.014	1700 4.36 34.999	1512* 4.57 35.018				
1678 3.90 35.013	1895 3.87 35.005	1485 4.27 35.011				
1877* 3.53 34.970	2091* 3.60 34.972	1680* 3.76 34.964				
2077 3.44 34.955	2282 3.42 34.969	1876 3.59 34.970				
2277* 3.30 34.958	2471* 3.13 34.974	2071* 3.18 34.970				

STATION # 3835	STATION # 3836	STATION # 3837	STATION # 3838	STATION # 3839	STATION # 3840	STATION # 3841	STATION # 3842
DATE 20 VIII 58	DATE 20 VIII 58	DATE 20 VIII 58	DATE 20 VIII 58	DATE 20 VIII 58	DATE 21 VIII 58	DATE 21 VIII 58	DATE 21 VIII 58
LAT. 57° 38'N	LAT. 57° 52'N	LAT. 58° 05'N	LAT. 58° 18'N	LAT. 58° 32'N	LAT. 58° 47'N	LAT. 59° 01'N	LAT. 59° 17'N
LONG. 16° 21'W	LONG. 17° 30'W	LONG. 18° 34'W	LONG. 19° 45'W	LONG. 21° 15'W	LONG. 22° 48'W	LONG. 24° 19'W	LONG. 25° 42'W
DEPTH 1186 m	DEPTH 1066 m	DEPTH 847 m	DEPTH 1639 m	DEPTH 2886 m	DEPTH 2864 m	DEPTH 2504 m	DEPTH 2178 m
GMT 0230	GMT 0735	GMT 1223	GMT 1722	GMT 2353	GMT 0720	GMT 1519	GMT 2311
DEPTH T S	DEPTH T S	DEPTH T S	DEPTH T S	DEPTH T S	DEPTH T S	DEPTH T S	DEPTH T S
m oC o/oo	m oC o/oo	m oC o/oo	m oC o/oo	m oC o/oo	m oC o/oo	m oC o/oo	m oC o/oo
1 14.60 35.383	1 14.25 35.359	1 14.24 35.375	1 14.50 35.355	1 14.11 35.340	1 13.89 35.335	1 13.61 35.334	1 13.30 35.273
47 10.80 35.351	50 11.09 35.369	29 12.67 35.375	50 10.94 35.408	50 11.29 35.294	50 10.61 35.319	48 10.65 35.324	45 10.91 35.312
94 10.10 35.373	99 10.14 35.359	78 10.83 35.419	99 10.32 35.374	100 9.90 35.314	99 10.18 35.339	97 10.11 35.282	90 9.84 35.279
188* 9.83 35.404	149 9.95 35.366	127* 10.42 35.401	198* 9.80 35.350	150* 9.73 35.339	149* 9.74 35.307	181* 9.51 35.361	181* 9.19 35.265
233 9.54 35.390	248* 9.55 35.370	176 10.25 35.419	298 9.37 35.334	199 9.40 35.306	199 9.80 35.388	272 8.70 35.238	272 8.70 35.238
378* 9.41 35.375	347 9.39 35.364	225* 9.95 35.386	397* 9.03 35.306	298* 8.96 35.279	298* 9.52 35.369	363* 8.44 35.243	363* 8.44 35.243
475 9.25 35.370	446* 9.24 35.363	323 9.65 35.386	496 8.51 35.261	398 8.63 35.323	488 8.62 35.259	454 7.85 35.201	454 7.85 35.201
571* 9.09 35.349	545 9.12 35.355	421* 9.44 35.417	595* 7.88 35.215	497* 8.26 35.225	497* 8.63 35.271	544* 7.22 35.128	544* 7.22 35.128
668 8.90 35.332	644* 8.89 35.335	517 9.27 35.371	694 7.30 35.164	595 7.81 35.201	683 7.62 35.176	634 6.75 35.101	634 6.75 35.101
862 7.63 35.213	743 8.21 35.260	611* 9.00 35.340	794* 6.70 35.147	696 7.61 35.192	779* 6.89 35.111	726* 6.63 35.143	726* 6.63 35.143
960* 6.91 35.184	842* 7.40 35.199	704 8.57 35.293	992 5.16 35.019	795 7.09 35.144	877 6.13 35.064	820 5.80 35.084	820 5.80 35.084
1058 6.01 35.130	941 6.72 35.194	797* 7.56 35.200	1190* 4.46 34.997	895* 6.22 35.091	975* 5.45 35.038	919* 5.21 35.029	919* 5.21 35.029
1157* 4.75 35.026	1040 6.12 35.191	1389 3.89 34.953	1389 3.89 34.953	994 5.58 35.057	1175 4.52 35.001	1118 4.35 34.984	1118 4.35 34.984
		1587* 3.50 34.939	1587* 3.50 34.939	1194* 4.63 34.996	1375* 3.92 34.945	1318* 3.93 34.956	1318* 3.93 34.956
		1368* 4.11 34.949	1368* 4.11 34.949	1341* 4.21 34.929	1568* 3.73 34.929	1626* 3.58 34.964	1626* 3.58 34.964
		1569 3.81 34.933	1569 3.81 34.933	1533 3.88 34.932	1768 3.58 34.932	1825 3.47 34.983	1825 3.47 34.983
		1772* 3.64 34.932	1772* 3.64 34.932	1726* 3.69 ---	1968* 3.51 34.949	1925* 3.21 34.991	1925* 3.21 34.991
		1974 3.54 34.928	1974 3.54 34.928	2115* 3.56 34.947	2169 3.40 34.972	2025 2.95 35.021	2025 2.95 35.021
		2276* 3.44 34.958	2276* 3.44 34.958	2115* 3.56 34.947	2271* 3.23 34.984	2125* 2.74 ---	2125* 2.74 ---
		2577 3.17 34.989	2577 3.17 34.989	2308 3.48 35.016	2372 3.03 34.994		
		2879* 2.66 34.999	2879* 2.66 34.999	2504* 3.25 35.010	2473* 2.72 35.003		
		2697 2.91 34.997	2697 2.91 34.997	2792* 2.77 35.015			

STATION # 3827-3842
DATE 21 VIII 58
LAT. 59° 17'N
LONG. 25° 42'W
DEPTH 2178 m
GMT 2311
DEPTH T S
m oC o/oo
1 13.30 35.273
45 10.91 35.312
90 9.84 35.279
181* 9.19 35.265
272 8.70 35.238
363* 8.44 35.243
454 7.85 35.201
544* 7.22 35.128
634 6.75 35.101
726* 6.63 35.143
820 5.80 35.084
919* 5.21 35.029
1118 4.35 34.984
1318* 3.93 34.956
1626* 3.58 34.964
1825 3.47 34.983
1925* 3.21 34.991
2025 2.95 35.021
2125* 2.74 ---

STATION #	DATE	LAT.	LONG.	DEPTH	GMT	DEPTH	T	S	DEPTH	T	S
				m		m	oC	o/oo	m	oC	o/oo
STATION # 3843	DATE 22 VIII 58	LAT. 59° 30'N	LONG. 27° 06'W	DEPTH 1938 m	GMT 0534	1	12.84	35.236	1	12.84	35.282
						50	9.65	35.193	50	9.38	35.291
						100	8.46	35.218	100	8.23	35.285
						199*	7.89	35.195	199*	7.55	35.232
						297	7.55	35.176	297	7.23	35.212
						396	7.31	35.186	396	7.01	35.176
						496	7.19	35.184	496	6.85	35.165
						595*	6.85	35.176	595*	6.63	35.130
						694	6.44	35.176	694	6.23	35.130
						793*	6.05	35.111	793*	5.81	35.078
						892	5.33	35.068	892	5.11	35.040
						991*	4.59	35.012	991*	4.37	35.029
						1090	4.43	35.016	1090	4.21	35.004
						1189*	4.15	35.010	1189*	3.96	34.993
						1410*	3.65	34.989	1410*	3.41	35.008
						1611	3.40	35.008	1611	3.16	35.014
						1712*	3.16	35.008	1712*	2.84	35.029
						1813	2.84	35.004	1813	2.71	35.031
						1915*	2.71	35.031	1915*	2.47	35.031
						2016*	2.47	35.031	2016*	2.23	35.031
						2117*	2.23	35.031	2117*	2.00	35.031
						2218*	2.00	35.031	2218*	1.77	35.031
						2319*	1.77	35.031	2319*	1.54	35.031
						2420*	1.54	35.031	2420*	1.31	35.031
						2521*	1.31	35.031	2521*	1.08	35.031
						2622*	1.08	35.031	2622*	0.85	35.031
						2723*	0.85	35.031	2723*	0.62	35.031
						2824*	0.62	35.031	2824*	0.39	35.031
						2925*	0.39	35.031	2925*	0.16	35.031
						3026*	0.16	35.031	3026*	0.00	35.031
						3127*	0.00	35.031	3127*	0.00	35.031
						3228*	0.00	35.031	3228*	0.00	35.031
						3329*	0.00	35.031	3329*	0.00	35.031
						3430*	0.00	35.031	3430*	0.00	35.031
						3531*	0.00	35.031	3531*	0.00	35.031
						3632*	0.00	35.031	3632*	0.00	35.031
						3733*	0.00	35.031	3733*	0.00	35.031
						3834*	0.00	35.031	3834*	0.00	35.031
						3935*	0.00	35.031	3935*	0.00	35.031
						4036*	0.00	35.031	4036*	0.00	35.031
						4137*	0.00	35.031	4137*	0.00	35.031
						4238*	0.00	35.031	4238*	0.00	35.031
						4339*	0.00	35.031	4339*	0.00	35.031
						4440*	0.00	35.031	4440*	0.00	35.031
						4541*	0.00	35.031	4541*	0.00	35.031
						4642*	0.00	35.031	4642*	0.00	35.031
						4743*	0.00	35.031	4743*	0.00	35.031
						4844*	0.00	35.031	4844*	0.00	35.031
						4945*	0.00	35.031	4945*	0.00	35.031
						5046*	0.00	35.031	5046*	0.00	35.031
						5147*	0.00	35.031	5147*	0.00	35.031
						5248*	0.00	35.031	5248*	0.00	35.031
						5349*	0.00	35.031	5349*	0.00	35.031
						5450*	0.00	35.031	5450*	0.00	35.031
						5551*	0.00	35.031	5551*	0.00	35.031
						5652*	0.00	35.031	5652*	0.00	35.031
						5753*	0.00	35.031	5753*	0.00	35.031
						5854*	0.00	35.031	5854*	0.00	35.031
						5955*	0.00	35.031	5955*	0.00	35.031
						6056*	0.00	35.031	6056*	0.00	35.031
						6157*	0.00	35.031	6157*	0.00	35.031
						6258*	0.00	35.031	6258*	0.00	35.031
						6359*	0.00	35.031	6359*	0.00	35.031
						6460*	0.00	35.031	6460*	0.00	35.031
						6561*	0.00	35.031	6561*	0.00	35.031
						6662*	0.00	35.031	6662*	0.00	35.031
						6763*	0.00	35.031	6763*	0.00	35.031
						6864*	0.00	35.031	6864*	0.00	35.031
						6965*	0.00	35.031	6965*	0.00	35.031
						7066*	0.00	35.031	7066*	0.00	35.031
						7167*	0.00	35.031	7167*	0.00	35.031
						7268*	0.00	35.031	7268*	0.00	35.031
						7369*	0.00	35.031	7369*	0.00	35.031
						7470*	0.00	35.031	7470*	0.00	35.031
						7571*	0.00	35.031	7571*	0.00	35.031
						7672*	0.00	35.031	7672*	0.00	35.031
						7773*	0.00	35.031	7773*	0.00	35.031
						7874*	0.00	35.031	7874*	0.00	35.031
						7975*	0.00	35.031	7975*	0.00	35.031
						8076*	0.00	35.031	8076*	0.00	35.031
						8177*	0.00	35.031	8177*	0.00	35.031
						8278*	0.00	35.031	8278*	0.00	35.031
						8379*	0.00	35.031	8379*	0.00	35.031
						8480*	0.00	35.031	8480*	0.00	35.031
						8581*	0.00	35.031	8581*	0.00	35.031
						8682*	0.00	35.031	8682*	0.00	35.031
						8783*	0.00	35.031	8783*	0.00	35.031
						8884*	0.00	35.031	8884*	0.00	35.031
						8985*	0.00	35.031	8985*	0.00	35.031
						9086*	0.00	35.031	9086*	0.00	35.031
						9187*	0.00	35.031	9187*	0.00	35.031
						9288*	0.00	35.031	9288*	0.00	35.031
						9389*	0.00	35.031	9389*	0.00	35.031
						9490*	0.00	35.031	9490*	0.00	35.031
						9591*	0.00	35.031	9591*	0.00	35.031
						9692*	0.00	35.031	9692*	0.00	35.031
						9793*	0.00	35.031	9793*	0.00	35.031
						9894*	0.00	35.031	9894*	0.00	35.031
						9995*	0.00	35.031	9995*	0.00	35.031
						10096*	0.00	35.031	10096*	0.00	35.031
						10197*	0.00	35.031	10197*	0.00	35.031
						10298*	0.00	35.031	10298*	0.00	35.031
						10399*	0.00	35.031	10399*	0.00	35.031
						10400*	0.00	35.031	10400*	0.00	35.031
						10501*	0.00	35.031	10501*	0.00	35.031
						10602*	0.00	35.031	10602*	0.00	35.031
						10703*	0.00	35.031	10703*	0.00	35.031
						10804*	0.00	35.031	10804*	0.00	35.031
						10905*	0.00	35.031	10905*	0.00	35.031
						11006*	0.00	35.031	11006*	0.00	35.031
						11107*	0.00	35.031	11107*	0.00	35.031
						11208*	0.00	35.031	11208*	0.00	35.031
						11309*	0.00	35.031	11309*	0.00	35.031
						11410*	0.00	35.031	11410*	0.00	35.031
						11511*	0.00	35.031	11511*	0.00	35.031
						11612*	0.00	35.031	11612*	0.00	35.031
						11713*	0.00	35.031	11713*	0.00	35.031
						11814*	0.00	35.031	11814*	0.00	35.031
						11915*	0.00	35.031	11915*	0.00	35.031
						12016*	0.00	35.031	12016*		

LAT.	50° 49'N	50° 22'N	50° 06'N	49° 51'N	49° 34'N	49° 23'N	49° 19'N	46° 29'N
LONG.	16° 31'W	14° 43'W	13° 35'W	12° 37'W	11° 52'W	11° 22'W	11° 08'W	04° 28'W
DEPTH	4581 m	3872 m	3164 m	1007 m	1007 m	442 m	188 m	152 m
GMT	1443	0003	0824	1442	2034	2334	0100	2009
DEPTH	1	1	1	1	1	1	1	1
T °C	15.89	16.27	15.75	16.01	15.76	15.95	15.87	18.16
S o/oo	35.479	35.495	35.348	35.447	35.412	35.438	35.436	35.731
DEPTH	50	50	50	50	45	15	25	25
T °C	12.98	13.23	12.17	12.88	13.01	15.92	15.86	16.61
S o/oo	35.584	35.582	35.586	35.611	35.530	35.438	35.450	35.399
DEPTH	100	100	100	99	90	40	50	50
T °C	11.78	11.83	11.66	11.92	11.66	14.48	12.42	14.07
S o/oo	35.570	35.582	35.590	35.648	35.582	35.509	35.576	35.614
DEPTH	199*	200*	200*	199*	181*	89*	75*	75*
T °C	11.10	11.34	11.34	11.52	11.29	12.04	11.98	12.10
S o/oo	35.539	35.539	35.582	35.604	35.582	35.606	35.597	35.583
DEPTH	299	299	300	298	272	139	124	100
T °C	10.92	10.96	11.09	11.30	11.02	11.62	11.41	11.50
S o/oo	35.541	35.523	35.552	35.566	35.570	35.578	35.584	35.622
DEPTH	399*	399*	400*	397*	364*	189*	174*	140*
T °C	10.57	10.82	11.00	11.10	10.91	11.40	11.12	11.48
S o/oo	35.479	35.512	35.555	35.560	35.539	35.578	35.555	35.622
DEPTH	498	499	500	497	456	288	174*	140*
T °C	10.13	10.42	10.66	10.90	10.70	11.04	11.12	11.48
S o/oo	35.448	35.470	35.526	35.532	35.520	35.550	35.555	35.622
DEPTH	598*	599*	599*	596*	466	427*		
T °C	9.78	9.88	10.30	10.64	10.30	10.85		
S o/oo	35.447	35.428	35.496	35.518	35.480			
DEPTH	697	698	699	695	643			
T °C	9.29	9.45	9.88	10.25	10.30			
S o/oo	35.451	35.390	35.502	35.508	35.501			
DEPTH	797*	797*	799*	794*	737*			
T °C	8.79	8.27	9.55	9.84	9.30			
S o/oo	35.484	35.312	35.543	35.522	35.467			
DEPTH	896	896	899	894	833			
T °C	8.45	7.77	9.13	9.47	9.41			
S o/oo	35.511	35.340	35.562	35.540	35.606			
DEPTH	996*	994*	999	993	929*			
T °C	7.04	7.53	8.60	8.84	8.92			
S o/oo	35.303	35.374	35.549	35.536	35.586			
DEPTH	1195	1092	1099	1192	929*			
T °C	5.90	6.92	7.91	7.58	8.92			
S o/oo	35.210	35.334	35.481	35.438	35.586			
DEPTH	1394*	1190*	1299*	1390*	929*			
T °C	4.57	6.16	6.51	5.65	8.92			
S o/oo	35.043	35.229	35.324	35.190	35.586			
DEPTH	1570*	1464*	1464*	1492*	492			
T °C	3.96	4.06	5.02	4.92	35.050			
S o/oo	34.966	34.977	35.118	35.090	35.050			
DEPTH	1868	1760	1663	1691	3.99			
T °C	3.60	3.40	4.00	3.99	34.975			
S o/oo	34.934	34.946	34.975	34.975	34.975			
DEPTH	2166*	2060*	1962*	1890*	3.60			
T °C	3.38	3.43	3.58	3.60	34.959			
S o/oo	34.961	34.961	34.953	34.959	34.959			
DEPTH	2465	2360	2260	2090	3.46			
T °C	3.15	3.15	3.29	3.46	34.960			
S o/oo	34.964	34.966	34.965	34.965	34.965			
DEPTH	2763*	2660*	2559*	2290*	3.30			
T °C	2.94	2.97	2.97	2.90	34.965			
S o/oo	34.961	34.964	34.965	34.965	34.965			
DEPTH	3061	2959	2858	2290*	3.30			
T °C	2.78	2.80	2.88	2.88	34.965			
S o/oo	34.952	34.957	34.954	34.954	34.965			
DEPTH	3359*	3258*	3157*	3157*	3.30			
T °C	2.65	2.65	2.60	2.60	34.944			
S o/oo	34.937	34.936	34.944	34.944	34.944			
DEPTH	3657	3557	3457*	3157*	3.30			
T °C	2.59	2.58	2.50	2.50	34.928			
S o/oo	34.926	34.928	34.922	34.922	34.928			
DEPTH	3955*	3856*	3756*	3656*	3.30			
T °C	2.54	2.50	2.50	2.50	34.922			
S o/oo	34.921	34.921	34.922	34.922	34.922			
DEPTH	4254	4154*	4054*	3954*	3.30			
T °C	2.56	2.56	2.56	2.56	34.914			
S o/oo	34.914	34.914	34.914	34.914	34.914			
DEPTH	4552*	4452*	4352*	4252*	3.30			
T °C	2.58	2.58	2.51	2.51	34.911			
S o/oo	34.914	34.911	34.911	34.911	34.911			

STATION #	3867	3868	3869	3870	3871	3872	3873	3874
DATE	4 IX 58	5 IX 58	5 IX 58	5 IX 58	6 IX 58	6 IX 58	7 IX 58	7 IX 58
LAT.	46° 29'N	46° 32'N	46° 30'N	46° 30'N	46° 30'N	46° 32'N	46° 31'N	46° 18'N
LONG.	4° 43'W	5° 10'W	5° 54'W	7° 07'W	8° 47'W	10° 27'W	12° 08'W	13° 40'W
DEPTH	362 m	1809 m	4221 m	4671 m	4786 m	4757 m	4358 m	4762 m
GMT	2144	0024	0520	1326	0057	1338	0127	1105
DEPTH	1	1	1	1	1	1	1	1
T °C	17.97	18.18	17.79	17.46	17.55	17.04	16.51	17.04
S o/oo	35.493	35.467	35.562	35.570	35.529	35.551	35.457	35.563
DEPTH	25	50	49	48	50	50	49	50
T °C	17.16	14.09	15.82	13.43	13.39	16.91	13.30	13.19
S o/oo	35.476	35.511	35.585	35.647	35.629	35.580	35.692	35.705
DEPTH	49	100	98	96	99	100	99	99
T °C	14.74	11.69	11.77	11.86	11.90	12.00	12.36	12.58
S o/oo	35.528	35.634	35.634	35.634	35.658	35.674	35.687	35.740
DEPTH	99*	200*	200*	193*	149*	199*	197*	199*
T °C	11.91	11.47	11.44	11.55	11.67	11.69	11.94	12.04
S o/oo	35.626	35.626	35.620	35.620	35.645	35.645	35.648	35.675
DEPTH	148	300	295	290	188	299	296	298
T °C	11.64	11.32	11.25	11.32	11.83	11.41	11.50	11.62
S o/oo	35.615	35.614	35.601	35.599	35.620	35.620	35.599	35.623
DEPTH	198*	400*	393*	387*	296*	398*	394	398*
T °C	11.50	11.20	11.07	11.12	11.49	11.22	11.11	11.29
S o/oo	35.618	35.603	35.582	35.573	35.635	35.584	35.551	35.571
DEPTH	297	500	492	485	394	498	493	497
T °C	11.41	10.97	10.86	10.76	11.27	10.93	10.83	11.07
S o/oo	35.618	35.598	35.580	35.553	35.584	35.584	35.519	35.566
DEPTH	346*	599*	590*	583*	491*	597*	592*	596*
T °C	11.38	10.64	10.52	10.44	11.09	10.73	10.34	10.55
S o/oo	35.616	35.606	35.583	35.554	35.588	35.601	35.478	35.504
DEPTH		689	688	681	590	697	690	696
T °C		10.36	10.30	10.28	10.77	10.32	9.98	10.38
S o/oo		35.637	35.639	35.601	35.576	35.624	35.520	35.602
DEPTH		799*	786*	779*	689*	796*	789*	793*
T °C		10.16	10.09	10.16	10.53	10.16	9.55	9.98
S o/oo		35.712	35.689	35.667	35.592	35.678	35.585	35.613
DEPTH		899*	885	878	789	896	887	895
T °C		9.97	9.88	9.93	10.31	9.99	9.44	9.88
S o/oo		35.763	35.744	35.701	35.644	35.758	35.628	35.740
DEPTH		999*	983	976*	889	995*	986*	994
T °C		9.74	9.69	9.65	10.17	9.63	8.40	9.55
S o/oo		35.782	35.788	35.748	35.753	35.784	35.527	35.782
DEPTH		1099	1180	1075	989	1095	1085	1093
T °C		9.30	8.80	9.19	9.94	9.20	7.38	9.19
S o/oo		35.764	35.717	35.717	35.799	35.749	35.388	35.776
DEPTH		1199*	1376*	1174*	1189*	1194*	1183	1193*
T °C		8.82	7.14	8.65	8.66	8.66	6.36	8.60
S o/oo		35.711	35.466	35.659	35.760	35.696	35.254	35.725
DEPTH		1178*	1475*	1272*	1279*	1267*	1244*	1261*
T °C		8.88	6.01	7.61	8.34	7.73	5.86	7.98
S o/oo		35.713	35.313	35.508	35.637	35.541	35.192	35.602
DEPTH		1277	1673	1371	1379	1365	1365	1360
T °C		8.23	4.83	6.75	7.06	6.91	5.81	6.34
S o/oo		35.631	35.136	35.381	35.437	35.425	35.228	

STATION # 3875				STATION # 3876				STATION # 3877				STATION # 3878				STATION # 3879				STATION # 3880				STATION # 3881				STATION # 3882											
DATE 7 IX 58				DATE 8 IX 58				DATE 8 IX 58				DATE 9 IX 58				DATE 9 IX 58				DATE 9 IX 58				DATE 10 IX 58				DATE 10 IX 58											
LAT. 46° 16'N				LAT. 46° 18'N				LAT. 46° 20'N				LAT. 46° 19'N				LAT. 46° 15'N				LAT. 46° 15'N				LAT. 46° 15'N				LAT. 46° 14'N											
LONG. 15° 15'W				LONG. 16° 49'W				LONG. 18° 24'W				LONG. 20° 11'W				LONG. 21° 56'W				LONG. 23° 32'W				LONG. 25° 08'W				LONG. 26° 21'W											
DEPTH 4590m				DEPTH 4296m				DEPTH 3738m				DEPTH 4789m				DEPTH 4001m				DEPTH 3648m				DEPTH 2814m				DEPTH 3105m											
GMT 2040				GMT 0508				GMT 1558				GMT 0207				GMT 1226				GMT 2223				GMT 0834				GMT 1545											
DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S					
m	o/c	o/oo		m	o/c	o/oo		m	o/c	o/oo		m	o/c	o/oo		m	o/c	o/oo		m	o/c	o/oo		m	o/c	o/oo		m	o/c	o/oo		m	o/c	o/oo		m	o/c	o/oo	
1	17.48	35.637		1	17.30	35.609		1	16.48	35.624		1	17.15	35.752		1	16.81	35.719		1	16.69	35.750		1	16.95	35.779													
50	15.61	35.702		49	16.42	35.647		50	13.87	35.754		50	15.57	35.784		49	16.64	35.859		50	15.89	35.842		50	16.50	35.778													
99	13.07	35.740		98	12.50	35.664		100	13.28	35.760		99	13.80	35.836		98	14.84	35.920		99	14.76	35.960		99	13.29	35.761													
199*	12.37	35.690		196*	11.89	35.662		199*	12.69	35.673		198*	13.00	35.707		197*	13.27	35.758		199*	13.40	35.789		198*	12.99	35.744													
288	11.88	35.640		295	11.52	35.550		299	12.18	35.623		297*	12.50	35.690		296	12.34	35.614		299*	12.60	35.649		297	12.74	35.720													
398*	11.62	35.609		393	11.19	35.535		398*	11.71	35.576		396*	11.93	35.639		394*	11.76	35.539		399*	11.94	35.537		396*	12.21	35.651													
497	11.11	35.560		480	10.74	35.488		491	10.71	35.482		495	11.41	35.565		494	10.72	35.404		499	11.52	35.525		495	11.73	35.593													
596*	10.45	35.486		577*	9.28	35.347		583*	9.94	35.387		594	10.92	35.530		592*	9.18	35.197		598*	9.95	35.274		594*	11.30	35.538													
696	10.42	35.591		673	9.28	35.347		687	9.01	35.283		693	10.25	35.486		692*	7.95	35.102		698*	9.18	35.270		693	10.67	35.456													
795*	10.18	35.688		771*	8.63	35.343		786*	8.78	35.408		792*	9.63	35.501		792*	7.16	35.167		798*	8.26	35.275		792*	9.71	35.362													
895	9.88	35.743		871	8.36	35.425		884	7.93	35.367		891	9.05	35.508		892	7.12	35.286		897	7.00	35.183		891	8.67	35.305													
994*	9.49	35.765		970*	7.55	35.383		982*	7.39	35.351		990	8.24	35.444		992*	6.84	35.297		997*	6.71	35.255		990*	7.67	35.236													
1093	8.90	35.720		1070	6.74	35.306		1080	7.20	35.404		1089	6.68	35.239		1091	5.33	35.103		1097	6.13	35.218		1089	6.44	35.170													
1193*	7.34	35.442		1169*	7.13	35.443		1178*	5.87	35.211		1185*	6.18	35.222		1188*	4.95	35.068		1196	5.43	35.131		1188*	6.00	35.152													
1282*	6.12	35.263		1303*	5.93	35.261		1327*	5.45	35.145		1311*	4.44	34.995		1296*	5.65	35.181		1229*	5.40	35.121		1293*	5.58	35.142													
1379	5.26	35.138		1402	5.37	35.185		1427*	4.83	35.078		1410	4.15	34.966		1396	5.28	35.139		1330	4.82	35.061		1393	4.98	35.081													
1476*	4.57	35.023		1502*	4.86	35.111		1527*	4.32	35.080		1510*	4.04	34.959		1496*	4.80	35.085		1531*	4.13	34.977		1493*	4.53	35.019													
1673	4.06	34.966		1702	4.03	34.988		1827*	3.63	34.932		1795	3.84	34.957		1833	3.53	34.926		1814	3.72	34.946		1693	3.93	34.957													
1968*	3.66	34.943		1902*	3.73	34.957		2008*	3.55	34.923		2093*	3.50	34.948		2193*	3.45	34.938		2113*	3.47	34.938		1893*	3.72	34.941													
2362	3.40	34.959		2201	3.44	34.954		2127	3.50	34.943		2406*	3.18	34.946		2592*	3.18	34.946		2433	3.33	34.946		2192	3.50	34.938													
2759*	3.10	34.963		2499*	3.21	34.962		2427*	3.27	34.956		2805*	2.88	34.947		2991*	2.88	34.947		3490*	3.11	34.949		2490*	3.30	34.942													
3157	2.82	34.945		2897	2.94	34.963		2727	3.05	34.963		3304	2.83	34.939		3490*	2.72	34.932		3227	2.90	34.951		2788*	3.16	34.953													
3556*	2.65	34.930		3282*	2.71	34.939		3027*	2.84	34.923		3803*	2.62	34.923		3983*	2.72	34.932		3624*	2.72	34.924		3088*	3.12	34.951													
4055	2.63	34.922		3785	2.59	34.919		3327	2.80	34.936		4303	2.62	34.910		4789*	2.66	34.916																					
4554*	2.61	---		4277*	2.59	34.919		4789*	2.61	34.936		4889*	2.62	34.918																									

STATION # 3883				STATION # 3884				STATION # 3885				STATION # 3886				STATION # 3887				STATION # 3888				STATION # 3889				STATION # 3890																							
DATE 10 IX 58				DATE 10 IX 58				DATE 11 IX 58				DATE 12 IX 58				DATE 12 IX 58				DATE 12 IX 58				DATE 13 IX 58				DATE 13 IX 58																							
LAT. 46° 14'N				LAT. 46° 14'N				LAT. 46° 14'N				LAT. 42° 46'N				LAT. 42° 47'N				LAT. 42° 49'N				LAT. 42° 55'N				LAT. 43° 00'N				LAT. 43° 00'N																			
LONG. 27° 04'W				LONG. 27° 19'W				LONG. 28° 04'W				LONG. 28° 06'W				LONG. 26° 49'W				LONG. 26° 20'W				LONG. 23° 50'W				LONG. 21° 56'W																							
DEPTH 2516m				DEPTH 2195m				DEPTH 2357m				DEPTH 2930m				DEPTH 3248m				DEPTH 3462m				DEPTH 3402m				DEPTH 2278m																							
GMT 2040				GMT 2322				GMT 2359				GMT 0435				GMT 1229				GMT 2133				GMT 0632				GMT 1652																							
DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S	
m	o/c	o/oo		m	o/c	o/oo		m	o/c	o/oo		m	o/c	o/oo		m	o/c	o/oo		m	o/c	o/oo		m	o/c	o/oo		m	o/c	o/oo		m	o/c	o/oo		m	o/c	o/oo		m	o/c	o/oo		m	o/c	o/oo		m	o/c	o/oo	
1	16.93	35.792		1	16.90	35.814		1	18.08	35.785		1	18.32	35.849		1	18.16	35.834		1	19.18	35.978		1	18.33	35.865																									
50	16.83	35.796		49	16.69	35.784		50	18.06	35.787		49	18.34	35.847		50	17.86	35.836		50	19.05	35.983		50	17.29	35.920																									
99	13.90	35.789		99	14.19	35.800		99	14.76	35.774		98	14.12	35.731		99	14.35	35.885		99	14.82	35.983		100	13.96	35.864																									
199*	12.95	35.714		198*	13.06	35.730		198*	12.90	35.734		196*	13.04	35.862		198*	13.35	35.810		198*	13.37	35.830		199*	13.19	35.787																									
288	12.59	35.694		296	12.60	35.689		297	12.90	35.646		293	12.58	35.703		297	12.57	35.728		288	12.44	35.713		299	12.54	35.708																									
398*	12.15	35.649		395*	12.13	35.645		396*	11.22	35.490		391*	12.04	35.640		396*	11.93	35.633		387*	11.93	35.634		408*	12.00	35.628																									
497	11.60	35.573		494	11.63	35.580		495	10.66	35.425		489	11.23	35.519		495	11.05	35.502		496	11.46	35.598		497	11.61	35.594																									
596*	10.94	35.491		593*	10.98	35.493		594*	9.81	35.340		587*	10.08	35.374		593*	10.63	35.491		595*	10.87	35.523		596*	11.17	35.564																									
696	10.08	35.384		692	9.97	35.365		693	8.67	35.247		685	9.05	35.284		692	9.90	35.453		694	9.99	35.466		694	9.84	35.443																									
795*	9.07	35.307		790*	8.70	35.231		792*	7.82	35.249		782*	7.76	35.216		791*	9.17	35.458		793*	9.57	35.505		794*	9.93	35.654																									
895	8.17	35.273		889	7.78	35.253		891	6.71	35.181		880	7.09	35.229		890	8.63	35.479		893	9.24	35.565		893	9.20	35.607																									
994*	7.61	35.292		988*	7.42	35.328		990*	6.01	35.160		989*	6.44	35.223		989*	8.83	35.609		992*	8.88	35.595		992*	9.24	35.730																									
1093	6.88	35.276		1087	6.45	35.203		1089	5.42	35.119		1076	5.74	35.153		1088	6.81	35.549		1091	8.10	35.549		1087	7.92	35.534																									
1193	5.71	35.130		1186*	5.58	35.116		1188*	4.94	35.077		1174*	5.31	35.118		1187*	6.62	35.334		1190*	7.26	35.460		1184*	6.73	35.476																									
1270*	5.12	35.076		1290*	4.88	35.086		1346*	4.51	35.038		1214*	4.95	35.075		1314*	5.40	35.155		1287*	6.43	35.335		1289*	5.87	35.386																									
1466	4.40	35.005		1389	4.45	35.028		1546	4.19	35.014		1313	4.56	35.036		1514	4.24	34.999		1386	5.61	35.216		1																											

LAT. 43° 07'N
LONG. 20° 13'W
DEPTH 5965 m
GMT 0410

DEPTH m	T °C	S o/oo
1	19.04	35.840
49	16.47	35.830
99	13.54	35.794
198*	12.69	35.732
296	12.11	35.658
394*	11.56	35.589
493	11.12	35.548
591*	10.65	35.508
690	10.24	35.532
788*	9.65	35.532
887	9.43	35.631
985*	8.85	35.607
1084	7.96	35.515
1182*	7.57	35.514
1257*	6.57	35.361
1355	5.77	35.241
1454*	4.96	35.117
1650	4.18	35.005
1946*	3.66	34.951
2245	3.46	34.966
2548*	3.15	34.971
2854	2.94	34.960
3260*	2.74	34.943
3541*	2.69	34.931
3938	2.62	34.931
4335*	2.65	34.927
4732	2.72	34.929
5129*	2.74	34.923
5525	2.79	34.919
5922*	2.87	34.922

STATION # 3899

DATE 16 IX 58
LAT. 43° 05'N
LONG. 10° 28'W
DEPTH 3573 m
GMT 1459

DEPTH m	T °C	S o/oo
1	19.64	35.560
49	15.99	35.641
98	12.55	35.697
196*	11.74	35.651
294	11.51	35.624
392*	11.28	35.594
490	10.97	35.581
587*	10.70	35.602
685	10.69	35.711
783*	10.66	35.827
881	10.59	35.911
979*	10.45	35.984
1077	10.32	36.028
1175*	10.00	36.032
1268*	9.08	35.848
1368	7.70	35.617
1467*	6.31	35.359
1566	5.44	35.215
1764*	4.47	35.077
2061	3.83	35.016
2359*	3.41	35.002
2657	3.04	34.973
2956*	2.80	34.946
3255	2.67	34.933
3555*	2.59	34.922

LAT. 43° 07'N
LONG. 18° 40'W
DEPTH 4246 m
GMT 1305

DEPTH m	T °C	S o/oo
1	18.74	35.781
49	14.67	35.788
99	13.09	35.737
198*	12.68	35.733
296	12.19	35.678
395*	11.92	35.632
494	11.62	35.600
593*	11.20	35.548
691	10.69	35.508
790*	10.55	35.647
889	10.70	35.838
988*	10.35	35.853
1086	9.96	35.894
1185*	9.21	35.794
1252*	8.42	35.652
1350	7.41	35.500
1449*	6.09	35.286
1646	4.76	35.270
1843*	4.14	35.017
2041*	3.79	34.994
2239*	3.41	34.972
2434*	3.03	34.965
2628	2.75	34.945
2823*	2.75	34.945
3015	2.61	34.925
3211*	2.58	34.919

STATION # 3900

DATE 16 IX 58
LAT. 43° 06'N
LONG. 9° 45'W
DEPTH 2213 m
GMT 2003

DEPTH m	T °C	S o/oo
1	19.39	35.610
49	16.43	35.617
98	13.41	35.748
197*	12.12	35.696
296	11.76	35.667
394*	11.43	35.638
493	11.13	35.656
592*	11.07	35.776
691	11.12	35.932
790*	11.11	35.998
890	11.24	36.111
989*	11.02	36.120
1088	10.70	36.116
1188*	10.59	36.128
1278*	10.30	36.074
1376	9.43	35.944
1475*	7.89	35.673
1573	5.90	35.288
1769*	4.41	35.077
1966	4.03	35.056
2163*	3.38	35.006

LAT. 43° 08'N
LONG. 17° 06'W
DEPTH 4433 m
GMT 2201

DEPTH m	T °C	S o/oo
1	19.34	35.915
49	17.86	35.874
99	13.30	35.797
198*	12.41	35.717
297	11.78	35.630
396*	11.42	35.586
495	11.16	35.563
594*	10.71	35.550
693	10.19	35.553
792*	9.23	35.460
891	8.77	35.743
990*	9.89	35.901
1088	9.49	35.880
1187	8.03	35.811
1275*	6.46	35.374
1372	5.92	35.629
1465*	5.78	35.316
1663	4.79	35.130
1860*	3.88	35.015
2056	3.38	34.986
2252*	3.03	34.944
2447	2.73	34.924
2642*	2.62	34.906
2837	2.53	34.909
3032*	2.57	34.927
3227	2.55	34.910

STATION # 3901

DATE 16 IX 58
LAT. 43° 07'N
LONG. 9° 35'W
DEPTH 291 m
GMT 2213

DEPTH m	T °C	S o/oo
1	19.43	35.654
24	18.47	35.623
48	14.74	35.696
76*	13.25	35.748
172	11.72	35.657
267*	11.47	35.651

LAT. 43° 09'N
LONG. 15° 30'W
DEPTH 4769 m
GMT 0706

DEPTH m	T °C	S o/oo
1	19.00	35.839
49	17.86	35.874
99	13.30	35.802
198*	12.41	35.717
297	11.78	35.630
396*	11.42	35.586
495	11.16	35.563
594*	10.71	35.550
693	10.19	35.553
792*	9.23	35.460
891	8.77	35.743
990*	9.89	35.901
1088	9.49	35.880
1187	8.03	35.811
1275*	6.46	35.374
1372	5.92	35.629
1465*	5.78	35.316
1663	4.79	35.130
1860*	3.88	35.015
2056	3.38	34.986
2252*	3.03	34.944
2447	2.73	34.924
2642*	2.62	34.906
2837	2.53	34.909
3032*	2.57	34.927
3227	2.55	34.910

STATION # 3902

DATE 20 IX 58
LAT. 43° 52'N
LONG. 8° 03'W
DEPTH 130 m
GMT 1635

DEPTH m	T °C	S o/oo
1	18.90	35.661
40	16.93	35.678
80	14.73	35.685
120*	11.93	35.672

LAT. 43° 08'N
LONG. 13° 44'W
DEPTH 5294 m
GMT 1659

DEPTH m	T °C	S o/oo
1	19.06	35.752
50	16.24	35.733
99	12.93	35.760
198*	12.04	35.663
297	11.76	35.630
396*	11.44	35.607
495	11.16	35.583
594*	10.84	35.575
693	10.55	35.613
792*	10.65	35.752
891	10.87	35.916
990*	10.62	35.959
1089	10.09	35.938
1188*	9.48	35.872
1275*	8.90	35.777
1372	7.92	35.629
1465*	5.94	35.316
1663	4.34	35.063
1860*	3.62	35.003
2056	3.05	34.963
2252*	2.84	34.952
2447	2.64	34.922
2642*	2.52	34.911
2837	2.56	34.909
3032*	2.58	34.905
3227	2.58	34.904

STATION # 3903

DATE 20 IX 58
LAT. 44° 02'N
LONG. 7° 59'W
DEPTH 212 m
GMT 1807

DEPTH m	T °C	S o/oo
1	18.87	35.630
24	18.50	35.658
49	15.29	35.676
97*	12.85	35.686
146	11.96	35.668
194*	11.79	35.669

LAT. 43° 08'N
LONG. 12° 46'W
DEPTH 4963 m
GMT 0012

DEPTH m	T °C	S o/oo
1	18.98	35.667
49	15.84	35.795
99	12.79	35.744
197*	11.94	35.660
296	11.59	35.629
394*	11.30	35.596
493	10.91	35.571
591*	10.60	35.598
690	10.46	35.660
788*	10.30	35.739
887	10.11	35.793
985*	9.77	35.803
1084	9.18	35.774
1182*	8.68	35.728
1279*	7.65	35.569
1378	6.79	35.442
1476*	5.20	35.183
1673	4.35	35.060
1870*	3.67	34.997
2067	3.22	34.978
2264*	2.84	34.952
2461	2.64	34.922
2658*	2.52	34.911
2855	2.56	34.909
3052*	2.58	34.905
3249	2.58	34.904

STATION # 3904

DATE 21 IX 58
LAT. 44° 21'N
LONG. 8° 01'W
DEPTH 4632 m
GMT 0524

DEPTH m	T °C	S o/oo
1	18.42	35.644
50	15.38	35.684
99	12.08	35.686
198*	11.68	35.641
298	11.46	35.625
397*	11.22	35.604
496	10.89	35.597
595*	10.71	35.648
694	10.55	35.725
794*	10.81	35.967
893	10.81	35.967
992*	10.63	36.028
1091	10.20	35.992
1190*	9.37	35.842
1282*	8.69	35.716
1380	7.84	35.594
1479*	6.87	35.436
1627	5.43	35.200
1924*	4.08	35.052
2220	3.56	35.004
2616*	3.03	34.965
3112	2.71	34.934
3608*	2.54	34.924
4104	2.50	34.929
4601*	2.55	34.901

LAT. 43° 05'N
LONG. 12° 05'W
DEPTH 1474 m
GMT 0539

DEPTH m	T °C	S o/oo
1	19.37	35.766
50	16.41	35.739
99	12.43	35.744
149	11.85	35.660
249*	11.49	35.611
348	11.26	35.589
448*	11.26	35.589
547	10.87	35.571
646	10.76	35.789
746	10.76	35.789
846*	10.78	35.918
945	10.52	35.937
1045*	9.73	35.863
1144	9.26	35.830
1244*	8.38	35.709
1343	7.31	35.537
1443*	6.86	35.468

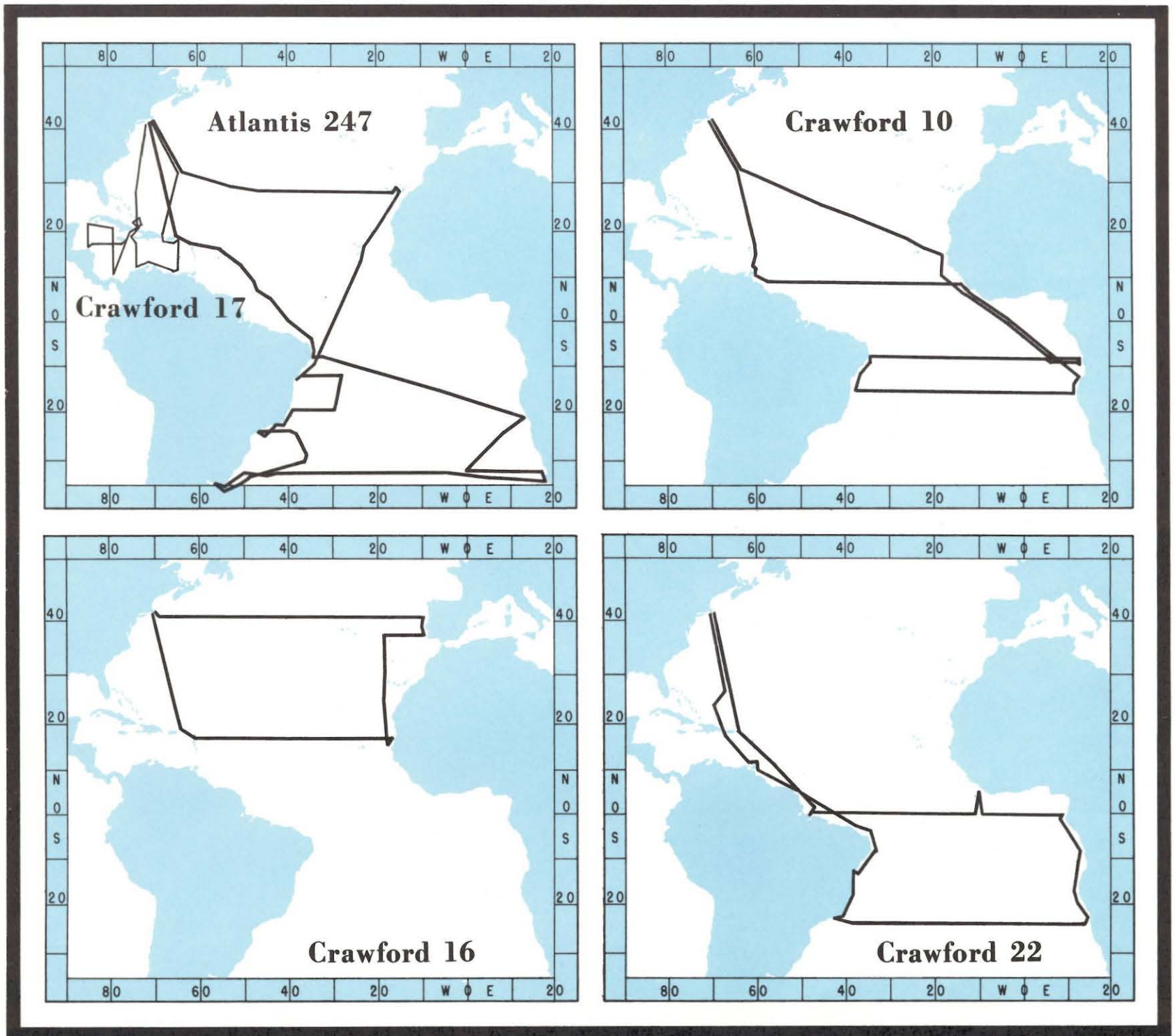
STATION # 3905

DATE 21 IX 58
LAT. 44° 55'N
LONG. 7° 37'W
DEPTH 4888 m
GMT 1125

DEPTH m	T °C	S o/oo
1	18.77	35.600
48	17.26	35.627
97	12.00	35.637
193*	11.59	35.641
290	11.42	35.623
388*	11.27	35.617
486	11.02	35.599
584*	10.71	35.604
682	10.48	35.650
780*	10.45	35.733
879	10.11	35.753
978	9.82	35.796
1078	9.12	35.738
1177*	8.22	35.636
1286*	7.28	35.474
1385	6.57	35.377
1485*	6.03	35.311
1584	5.33	35.200
1981	3.97	35.045
2377	3.27	34.984
2874*	2.87	34.947
3371	2.64	34.923
3869*	2.52	34

STATION # 3907				STATION # 3908				STATION # 3909				STATION # 3910				STATION # 3911			
DATE 22 IX 58				DATE 22 IX 58				DATE 23 IX 58				DATE 23 IX 58				DATE 23 IX 58			
LAT. 46° 00'N				LAT. 46° 37'N				LAT. 47° 09'N				LAT. 47° 22'N				LAT. 47° 38'N			
LONG. 7° 34'W				LONG. 7° 27'W				LONG. 7° 25'W				LONG. 7° 24'W				LONG. 7° 20'W			
DEPTH 4794m				DEPTH 4629m				DEPTH 4285m				DEPTH 3630m				DEPTH 441m			
GMT 1437				GMT 2044				GMT 0233				GMT 0615				GMT 0951			
DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S		DEPTH	T	S	
m	°C	o/oo		m	°C	o/oo		m	°C	o/oo		m	°C	o/oo		m	°C	o/oo	
1	17.51	35.537		1	17.40	35.571		1	16.88	35.546		1	16.88	35.571		1	16.16		
50	12.87	35.658		50	14.85	35.489		48	16.87	35.571		49	14.33	35.546		50	13.09		
99	11.91	35.663		100	12.02	35.571		96	12.27	35.571		96	11.99	35.395		99	12.32		
199*	11.65	35.640		199*	11.57	35.571		192*	11.70	35.571		193*	11.61	35.309		198*	11.89		
298	11.45	35.622		290	11.38	35.571		289	11.52	35.571		293	11.44	35.150		297	11.41		
397*	11.31	35.628		398*	11.15	35.571		386*	11.40	35.571		390*	11.25	35.081		396*	11.04		
497	11.03	35.599		498	10.92	35.571		484	11.00	35.571		488	11.01	35.030					
596*	10.68	35.597		597	10.63	35.571		582*	10.69	35.571		586	10.66	35.030					
695	10.44	35.633		697	10.31	35.571		680	10.32	35.571		683	10.36	35.030					
794*	10.18	35.679		797*	10.23	35.571		780*	9.98	35.571		781*	10.09	35.030					
894	10.00	35.763		896	9.85	35.571		879	9.68	35.571		878	9.78	35.030					
993*	9.73	35.812		996	9.53	35.571		979*	9.37	35.571		978*	9.36	35.030					
1092	9.18	35.759		1096	8.83	35.571		1080	8.92	35.571		1074	8.93	35.030					
1192*	8.37	35.638		1195*	8.13	35.571		1182*	7.99	35.571		1172*	8.41	35.030					
1321*	7.33	35.487		1295*	7.38	35.489		1100*	8.17	35.571		1289*	7.84	35.546					
1420	6.22	35.309		1393	6.50	---		1290	7.13	35.432		1388	6.83	35.395					
1519*	5.54	35.205		1491*	5.64	35.217		1389*	6.41	35.337		1487*	6.16	35.309					
1718	4.50	35.070		1689	4.37	35.040		1587	5.00	35.122		1686	5.02	35.150					
2016*	3.80	35.009		1885*	3.94	35.000		1786*	4.31	35.053		1884*	4.38	35.081					
2314	3.38	34.994		2181	3.61	35.007		2083	3.73	35.006		2181	3.78	35.030					
2810*	2.92	34.953		2575*	3.12	34.967		2480*	3.16	34.970		2578*	3.00	34.973					
3307	2.70	34.932		3070	2.77	34.936		2877	2.86	34.947		3074	2.78	34.948					
3803*	2.57	34.923		3566*	2.60	34.922		3274*	2.66	34.929		3569*	2.65	34.923					
4300	2.54	34.909		4062	2.55	34.906		3770	2.57	34.917									
4794*	2.58	---		4560*	2.55	34.904		4266*	2.53	34.903									

BATHYTHERMOGRAPH DATA



Plots of the five cruises on which bathythermograph observations were obtained.



