

NOAA Data Report ERL PMEL-1

CTD/O₂ MEASUREMENTS DURING THE EQUATORIAL
PACIFIC OCEAN CLIMATE STUDY (EPOCS) IN 1979

L. J. Mangum
N. N. Soreide
B. D. Davies
B. D. Spell
S. P. Hayes

Pacific Marine Environmental Laboratory
Seattle, Washington
October 1980



**UNITED STATES
DEPARTMENT OF COMMERCE**

Philip M. Klutznick, Secretary

**NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION**

Richard A. Frank, Administrator

**Environmental Research
Laboratories**

Joseph O. Fletcher, Acting Director

NOTICE

The NOAA Environmental Research Laboratories does not approve, recommend, or endorse any proprietary product or proprietary material mentioned in this publication. No reference shall be made to the NOAA Environmental Research Laboratories, or to this publication furnished by the NOAA Environmental Research Laboratories, in any advertising or sales promotion which would indicate or imply that the NOAA Environmental Research Laboratories approves, recommends, or endorses any proprietary product or proprietary material mentioned herein, or which has as its purpose an intent to cause directly or indirectly the advertised product to be used or purchased because of this NOAA Environmental Research Laboratories publication.

CONTENTS

ABSTRACT	1
1. INTRODUCTION	1
2. NBIS CTD DATA PROCESSING	2
2.1 Shipboard Data Acquisition and Processing	2
2.1.1 LOGGER	3
2.1.2 READER	4
2.1.3 ELAGAV	5
2.1.4 CTDPLT	7
2.1.5 DSKTAP and RDAVTP	7
2.2 Final Processing and Calibration	8
3. DATA PRESENTATION	9
APPENDIX: PDP 11/03 Software Libraries	11
REFERENCES	13
FIGURES AND TABLES	15

ABSTRACT

Summaries of Neil Brown Instrument System (NBIS) CTD/0² measurements recorded on five cruises during 1979, a description of the acquisition and processing systems, and a discussion of calibration techniques are presented. The major portion of these data were collected along longitudes of 105°W and 110°W between 15°N and 5°S. Additional casts in the vicinity of 0°, 153°W are also presented. Station locations, meteorological conditions, and profiles of temperature, salinity, sigma-T, and oxygen are shown for each cast. In addition, T-S diagrams for each cast and section plots of oceanographic variables are given. These measurements were made during the Equatorial Pacific Ocean Climate Study (EPOCS) program of NOAA.

1. INTRODUCTION

The primary objective of the Equatorial Pacific Ocean Climate Study (EPOCS) is to study the coupling between oceanic and atmospheric variability in the equatorial Pacific. A major focus of the study is an understanding of large amplitude, low frequency sea surface temperature (SST) variability. Among the possible causes of these SST anomalies are a) advective heat transport, b) locally inhomogeneous heating, c) vertical mixing, and d) upwelling at the equator. To understand these and other processes, it is necessary to establish a time series of hydrographic measurements which define the seasonal, annual, and interannual characteristics of the water masses and baroclinic circulation. The data presented here are the results of the first year of observations. Annual data reports will be issued to update and continue the records begun here.

During 1979 five EPOCS CTD cruises were conducted and a total of 300 CTD casts were collected. The general sampling pattern is summarized in Figure 1. A total of four sections along 110°W and two sections along 105°W were occupied. In addition a group of casts were collected near 0°, 153°W as part of NORPAX (North Pacific Experiment). The detailed sampling on each cruise is shown in Figures 2-6. The cruises are designated by EPx-79-yy, where x is the cruise number (1-6) and yy is the ship code (either DI for NOAA Ship DISCOVERER or OC for NOAA Ship OCEANOGRAPHER). No CTD data were collected on EP1-79-DI.

Measurements on all legs, except EP3-79-OC, were made with a Neil Brown Instrument Systems (NBIS) Mark III CTD equipped with a Beckman dissolved oxygen probe. This system sampled the four parameters (pressure, temperature, conductivity, and oxygen) at a rate of 30hz. Least count resolution of the system was: temperature, .0005°C; conductivity, .001 mmho/cm; pressure, .1 dbar. The digital data were recorded using a LSI 11/03 online computer. Normal lowering rates were 45 m/min until 200 m depth and then 60 m/min below this depth.

On EP3 a Plessey 9040 CTD was used. Data processing and calibration techniques for this system are described in Holbrook and Halpern (1974).

2. NBIS CTD DATA PROCESSING

2.1 Shipboard Data Acquisition and Processing

A block diagram of the hardware for the CTD/O₂ and LSI 11/03 data acquisition system is shown in Figure 7. Essentially the CTD/O₂ fish digitizes five variables (P, T, C, Oxygen current, Oxygen probe temperature) and telemeters these data up the sea cable in FSK format. The NBIS deck unit powers the CTD fish, passes the FSK signal on to an audio tape recorder, and also converts this signal back into 16-bit natural binary words. An analog output from the deck unit permits plotting of the raw data on the XYY plotter. The 16-bit data

words are sent in real time into the LSI 11/03 via a parallel interface (DRV-11) and the system's interrupt facility. The data are buffered and recorded on a 9-track digital magnetic tape (Digi-Data Corp. Model 1730). The VT-55 CRT console is used to direct the acquisition software and to display plots of temperature and salinity. In addition the line provides data listings.

The shipboard CTD Acquisition and Processing System (CAPS) software is shown schematically in the flow diagram in Figure 8. All main programs are written in FORTRAN and run interactively. A number of the subroutines are written in MACRO. The basic functions of each program are described below. The Appendix contains a brief description of the capabilities of the tape and plotter handling subroutines.

2.1.1 LOGGER

LOGGER is the real time data acquisition program. It acquires data from the NBIS CTD or an audio tape recorder through the NBIS CTD deck unit; assembles the data in software buffers; inspects the data for certain kinds of errors; and proceeds to log the data in labelled blocks on a 9-track digital tape. It will also display the raw data or computed values by either a console listing and/or a plot of T and S versus P on the VT-55 screen.

LOGGER initializes the VT-55 plotting routines, the tape drive (either drive may be selected for logging), and the NBIS CTD handler subroutines. Appropriate default or user specified transfer functions, to convert the measured parameters to engineering units, may be selected. The user may also specify the number of parameters per scan and the number of scans per tape record. The user enters CTD cast number and header information. After LOGGER writes the header (Table 1) to tape, it waits for a carriage return before starting to log data. The program then loops until receiving an indicator (IBKRDY) from the CTD handler that one of the two buffer storage blocks is full.

LOGGER immediately logs the block on magnetic tape (Table 2) and will then respond to any display function which has been selected. It will not re-examine IBKRDY until it has completed all logging and display tasks.

The display functions possible are coded with the letters: P, D, S, K, H and L. Their meanings are as follows:

- P Plot Temperature and Salinity versus Pressure.
- D Display data directly from the CTD, one scan per record.
- S Display data from the CTD in engineering units (i.e., transfer functions applied): Record#, Data Index, Frame sync word, P, T, C, S, σ_T .
- K Kills P, D or S option.
- H Halt logging and displays, can restart logging if desired.
- L Resumes logging after H command.

When the logging is halted at the end of a cast, 2 EOFs can be written to tape and a finished copy of the VT-55 console plot will be made.

2.1.2 READER

Program READER is used to read a 9-track LOGGER tape on either tape drive and make a listing and/or a VT-55 plot of the data. Header information is printed on the line printer (or any output device assigned to be logical unit number 6). Default parameters may be selected or the number of words per scan and the block size can be specified. Parameter transfer functions may be taken from the tape header, or the user may specify new values.

If the listing option is selected, the user may specify the number of scans to list every record. The values listed are pressure (P), temperature (T), salinity (S), potential temperature, sigma - T, dynamic height, oxygen current (OXC), oxygen temperature (OXT) and dissolved oxygen (ml/l). A T and S versus P plot or a T-S plot can be made on the VT-55 console.

2.1.3 ELAGAV

Program ELAGAV is the first step in editing and processing the CTD/O₂ data. Basically it edits the data for obviously erroneous points; it corrects for the time-constant mismatch between temperature and conductivity sensors; and it then averages the data into 1 dbar blocks which are stored on floppy disk files. The time-constant correction is necessary because the platinum temperature probe has a response time of about 200 ms while the conductivity probe has a time constant of 30 ms (Brown and Morrison, 1978). In the NBIS Mark III CTD an attempt is made to correct for these different response times by electronically adding the signal from a fast response thermistor to the signal from the platinum wire probe. Our experience indicated that, due to difficulties in properly adjusting the time-constant matching system, better data quality was obtained without the fast response thermistor signal. Thus, in all data presented here the fast response thermistor circuitry has been disabled. With this modification the NBIS CTD is virtually identical to the WHOI/Brown CTD discussed in Fofonoff, et al., (1974). The temperature response time (i.e., lag) correction applied is similar to the technique described by these authors, and is summarized below.

Program ELAGAV reads data from the logger tape and writes out the 1 dbar-averaged data, with salinity computed, on floppy disk files. The program first initializes the tape and disk files. Two records of input data (normally 120 data scans) are then read into a buffer array. The first two "good" data scans are selected by comparing pressure, temperature, and conductivity values with preset windows. Subsequent data points are then edited by calculating the difference between adjacent scans (e.g., $\Delta T = T_{n+1} - T_n$) and comparing this difference with preset maximum allowable differences (e.g., $\Delta T < \Delta T_{\max}$). If a data scan fails to satisfy this criteria then that scan is rejected and the next scan is subtracted from the previous value (e.g., $\Delta T_2 = T_{n+2} - T_n$). This difference

is now compared to twice the maximum allowable difference ($\Delta T_2 < 2\Delta T_{\max}$). This technique continues until a good data scan is found or until 5 bad scans are rejected. In the former case, bad points are replaced by linear interpolation and the interpolated points are flagged on the output file. In the latter case, the program assumes a gap in the data has been discovered. It then flags the location of this gap on output file and proceeds to edit from the new location.

The temperature time-constant correction algorithm is described in Fofonoff, et al., (1974) and Scarlett (1975). It requires three data scans to estimate both the measured temperature, T_m , and the local rate of change of the measured temperature, $\frac{dT_m}{dT}$. The true temperature is then estimated as

$$T_o = T_m + \tau \frac{dT_m}{dT}$$

The time-constant, τ , has been determined empirically from the coherence between temperature and conductivity measurements (Horne and Toole, 1980) on numerous casts to be 7 data scans or 210 msec. This lag correction is applied immediately after the data passes the edit criteria. The resulting lag-corrected temperature and the measured values of conductivity, oxygen, and oxygen temperature are placed in appropriate 1 dbar averaging bins. After 110 dbar-averaging bins have been used, the first 100 values are then written out to disk. The remaining data are shifted in the averaging array and averaging continues. Thus maximum vertical excursions of the CTD fish of 10 m are permitted without data loss in the averaging process.

In using ELAGAV, the operator specifies appropriate transfer functions for the CTD parameters which reflect the latest calibration information (note: uncalibrated oxygen values are averaged and stored). Since both salinity and conductivity are written on the 1 dbar-averaged disk file, subsequent processing may be used to modify conductivity calibrations, and salinity may be recomputed

if required. The user supplies editing parameters or default parameters ($\Delta T_{\max} = .07^{\circ}\text{C}$, $\Delta C_{\max} = .07 \text{ mS/cm}$, $\Delta P_{\max} = 0.7 \text{ dbar}$) may be used. In all data processed here, default edit criteria were imposed.

2.1.4 CTDPLT

Program CTDPLT plots NBIS CTD data from the 1 dbar-averaged disk file written by Program ELAGAV. The plotting library developed to handle the HP9872A plotter is briefly described in the Appendix. CTDPLT is used for quality control and preliminary data analysis. Options exist for several types of plots including (1) a standard T-S plot, (2) T, S, σ_t , O_2 versus P plot, or (3) a variable NX versus variable NY plot. For the NX versus NY plot; the following variables may be selected:

1. Pressure (dbars)
2. Temperature (degrees C)
3. Conductivity
4. Salinity (ppt)
5. Oxygen current
6. Oxygen temperature
7. Sigma-T
8. Potential temperature (degrees C)
9. Sigma-theta
10. Not implemented
11. Sound velocity (calculated from P,T,S,)
12. Oxygen

The user can select default ranges from the plot or specify new ones and has the option of applying additional calibrations.

2.1.5 DSKTAP and RDAVTP

Program DSKTAP writes a Control Data Corporation (CDC) computer compatible magnetic tape (9-track, 800BPI, NRZI, and odd parity) containing the data from the 1 dbar-averaged files written by ELAGAV. All subsequent processing is

performed on a CDC computer. Encoding is used to write four 56-character header records. These header records are followed by data records containing P, T, C, S, OXC, OXT, FLAG, NPTS (format F7.1, 5F7.4, 2I7). Program RDAVTP reads and checks the CDC compatible tape.

2.2 Final Processing and Calibration

The 1 dbar-edited, lag-corrected, and averaged data produced by ELAGAV all from the data set used in subsequent processing is performed on the CDC computer system at the University of Washington (dual main frame system with a CYBER 73 and a CDC 6400). The first step is to check the calibration of the CTD sensors by comparing pre- and postcruise laboratory calibrations (conducted at Northwest Regional Calibration Center (NWRCC) Bellevue, WA) and water samples collected at sea. On each cast, 3-5 Niskin bottles are collected using a rosette sampler. Immediately prior to tripping the sampler, three values of P, T, C, OXC, OXT are read from the CTD deck unit. The averages of these data are combined with the shipboard determination of salinity which uses a Beckman model RS7B salinometer to check the performance of the CTD. Dissolved oxygen is determined at sea using a modified Carpenter-Winkler method (Carpenter, 1965). Temperature calibration is crudely checked by the reversing thermometers; however, the CTD temperature stability, as determined by repeated laboratory calibrations (Figure 9), appears to be better than 5 m°C/12 months. Thus, the CTD temperature is more accurate than the reversing thermometers.

Details of the conductivity calibration checks are as follows: The pre- and postcruise (if available) laboratory calibrations are compared. For the data considered here, the laboratory conductivity calibrations are shown in Figure 10. Based on available laboratory data a transfer function of the form $C_{\text{True}} = C_{\text{CTD}} * a + b$ is computed. This function is applied to the deck unit data collected during the casts. The bottle calibration data is edited by comparison

with the historical T/S curves and other station data. Then the conductivity calibration transfer function is recomputed by comparing CTD conductivity and bottle conductivity. The bottle conductivity is, computed using the CTD temperature, the bottle salinity, and the salinity algorithm of Fofonoff et al. (1974). In establishing this new transfer function more weight is given to deep water samples (if available) and the data are checked for cast, pressure, or temperature dependence in the computed transfer function. The proposed final transfer function is then applied to all the CTD casts and the deep water T/S relation is checked against available historical data. Since most casts are relatively shallow (≤ 1000 m), this check is only adequate to establish agreement to about $\pm .02$ ppt. The average standard deviation of all bottle- and CTD-determined salinity for the data presented here is $\pm .012$ ppt.

Oxygen calibration was done by comparison of CTD and bottle data. The CTD measurements of oxygen current and oxygen temperature were converted to dissolved oxygen using subroutines supplied by Woods Hole Oceanographic Institution (R. C. Millard, Jr. personal communications). The CTD-determined oxygen was then fit to the bottle data using a second-order polynomial. CTD oxygen determined in this fashion had a standard error $\pm .16$ ml/l for the data presented here. No lag correction has been applied to the O_2 data although its time constant is ~ 20 sec.

3. DATA PRESENTATION

The final calibrated data were run through a standard set of computer programs described by Holbrook and Halpern (1974) to produce the summary profiles, listings and T/S plots which follow. The shallowest and deepest 1 dbar-average values of each set of CTD measurements are shown in the listing. When the uppermost depth was not equal to 0 meters, surface values of temperature and salinity were computed from a least squares fit of data recorded 10 m below

the surface. All oceanographic variables (salinity, sigma-T, dynamic height) were computed using WHOI subroutines provided by R. C. Millard, Jr.

Tables 3-7 contain the abbreviations and units used to describe the CTD/O₂ data summary.

Section plots of the four major equatorial transects (February (2), June, October) are presented in Figures 11-15 as a quick summary of these data. Sections for temperature, salinity, sigma-T, and oxygen are present. These plots were produced using a contour plotting program developed by H. P. Freitag (private communication). Figure 16 shows the dynamic height of the surface relative to 500 dbars for the four sections along 110°W.

APPENDIX

PDP 11/03 SOFTWARE LIBRARIES

The tape input/output and plotter handling subroutines are general purpose utilities which have been developed to facilitate programming on the LSI 11/03. They are briefly described here to indicate their capabilities and general operating functions.

1. TAPLIB

The software subroutines developed to handle the Digi-Data tape drives on the LSI 11/03 system are described below. These routines are a general purpose tape input/output system which can be incorporated in other programs. The library TAPLIB contains the MACRO tape handler TAPEIO and the FORTRAN tape handling subroutines. The MACRO listing of TAPEIO contains a description of the routine and its FORTRAN callable entry points. Entry points to TAPEIO are INITAP (in initialize the tape mount selected), REDTAP and WRITAP (to read and write), SPCTAP (to skip forward or backward a given number of records), REWTAP (to rewind), EOFTAP (to write an end-of-file mark) and STATAP (returns a code to indicate status of tape and determine cause of command failure, e.g., tape not at beginning-of-tape). For some error conditions, the Digi-Data users manuals must be used to interpret the bit patterns returned by STATAP.

FORTRAN subroutines INIIO and IOSTAT allow the user easy access to TAPEIO to initiate tape reading or writing and to handle error returns from STATAP. They print informative comments on the console and allow the user to respond to the error condition. The TAPEIO entry points INITAP and STATAP are generally accessed by calls to the FORTRAN routines INIIO and IOSTAT.

The other FORTRAN subroutines are SKPFLE to skip files, EOITAP to position the tape after the last end-of-file mark on the tape and TAPCPY to copy files from one tape to another.

2. HPLIB

Library HPLIB contains the FORTRAN subroutines which produce plots on the HP 9872A plotter. The plotter performs plotting moves in response to instructions in the form of strings of ASCII characters. Subroutines INIHP, BCDHP and HPRDY handle direct communication between the plotter and the computer. INIHP initializes the plotter, leaving it ready to receive the first instruction, BCDHP transmits a string of ASCII characters to the plotter, and HPRDY determines when the plotter is ready to receive another character. Subroutines IBCD and EPBCD prepare integer and floating point numbers for transmission to the plotter by filling an array with ASCII characters representing the number.

FORTRAN plotting programs call a set of CALCOMP-like subroutines named PLOT, NEWPEN, NUMBER, SYMBOL. Plotter response to these subroutines is very similar to that of a CALCOMP plotter. Subroutine AXLAB draws an axis in the desired position and orientation, with or without labels and function ISCALE scales any value to be plotted from engineering units into plotter units. The preceding routines were all written for general purpose plotting. Subroutines RANGE, CALC, and CALIBD are specifically for use with program CTDPLT. They establish axis ranges and lengths, apply calibration data to variables read from the disk file and calculate values (such as potential temperature) which are not written on the disk file.

References

- Brown, N. L., 1974, A precision CTD microprofiler. Ocean 74, 2, 270-278.
- Carpenter, J. H., 1965. The Chesapeake Bay Institute technique for the Winkler Dissolved oxygen method. Limnol. Oceanogr., 10, 141-143.
- Fofonoff, N. P., S. P. Hayes, and R. C. Millard, 1974, WHOI/Brown CTD microprofiler: methods of calibration and data handling. Woods Hole Oceanographic Institution Technical Report No. WHOI-74-89, 64 pp.
- Holbrook, J. R. and D. Halpern, 1974. STD measurements off the Oregon Coast, July/August 1973. CUEA Data Report #12, Ref. M74-17, Department of Oceanography, University of Washington, 397 pp.
- Horne, E. P. W. and J. M. Toole, 1980. Sensor response mismatch and lag correction techniques for temperature-salinity profilers. Journal of Physical Oceanography, 10, in press.
- Scarlett, R. I., 1975. A data processing method for salinity, temperature, depth profiles. Deep Sea Research, 22, 509-515.

FIGURES AND TABLES

FIGURES

- Figure 1. Location of Major CTD/ O_2 sections during 1979.
- Figure 2. CTD/ O_2 stations occupied during EP2-79-DI.
- Figure 3. CTD stations occupied during EP3-79-OC.
- Figure 4. CTD/ O_2 stations occupied during EP4-79-OC.
- Figure 5. CTD/ O_2 stations occupied during EP5-79-OC.
- Figure 6. CTD/ O_2 stations occupied during EP6-79-OC.
- Figure 7. Block diagram of the NBIS CTD/ O_2 and PDP LSI 11/03 hardware system.
- Figure 8. CTD Acquisition and Processing System (CAPS) flow diagram.
- Figure 9. Temperature calibration results from laboratory calibrations conducted at the Northwest Regional Calibration Center (NWRCC) during 1979.
- Figure 10. Conductivity calibration results from laboratory calibrations conducted at NWRCC during 1979.
- Figure 11. Temperature ($^{\circ}C$) sections along $110^{\circ}W$ in 1979.
- Figure 12. Salinity ($^{\circ}/_{\infty}$) sections along $110^{\circ}W$ in 1979.
- Figure 13. Sigma-T sections along $110^{\circ}W$ in 1979.
- Figure 14. Oxygen (ml/l) sections along $110^{\circ}W$ in 1979.
- Figure 15. Comparison of temperature sections along $110^{\circ}W$ and $105^{\circ}W$ in 1979.
- Figure 16. Dynamic height of surface relative to 500 dbar for four sections along $110^{\circ}W$ in 1979.

LOCATION OF SECTIONS

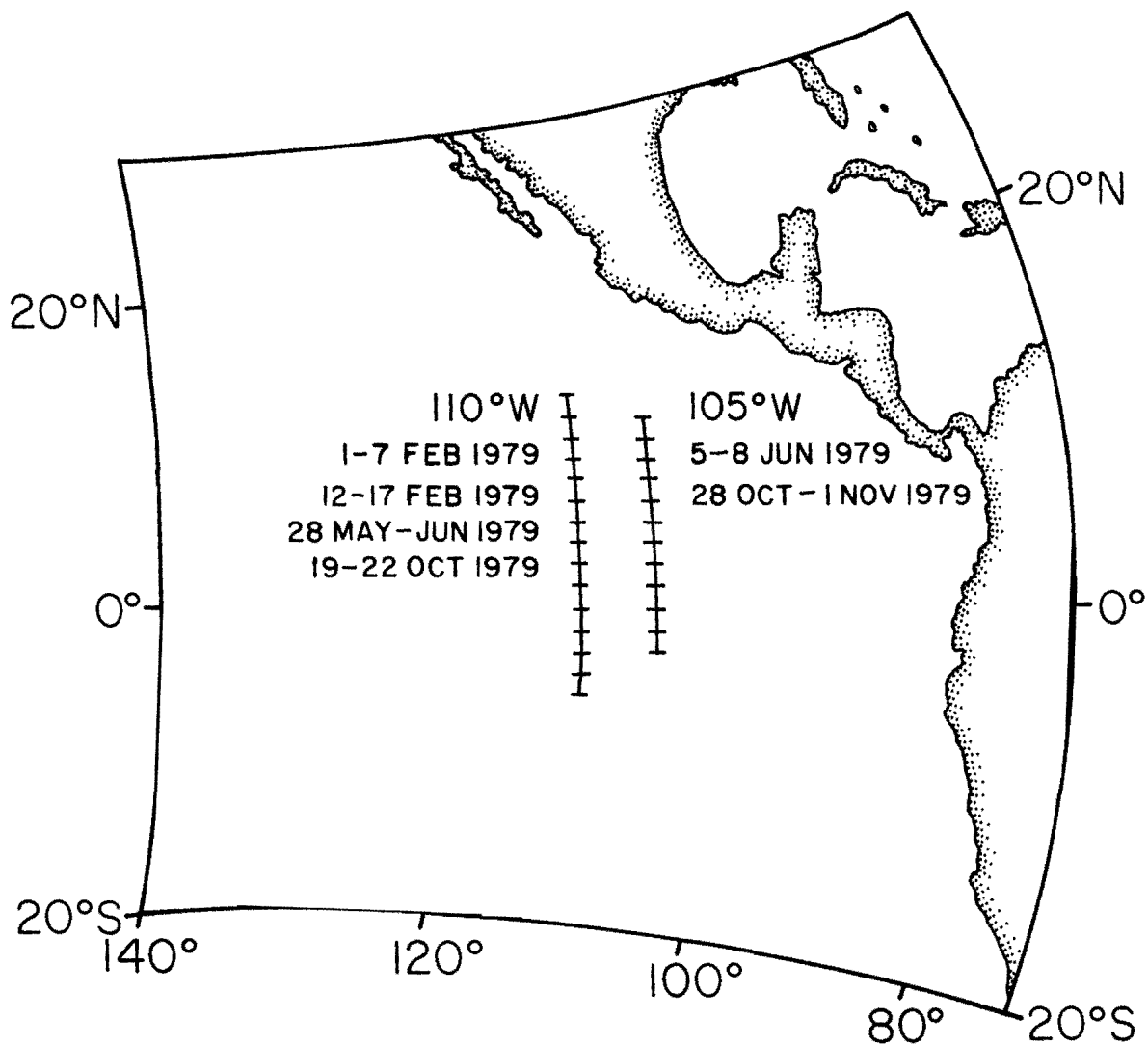


Figure 1. Location of Major CTD/O₂ sections during 1979.

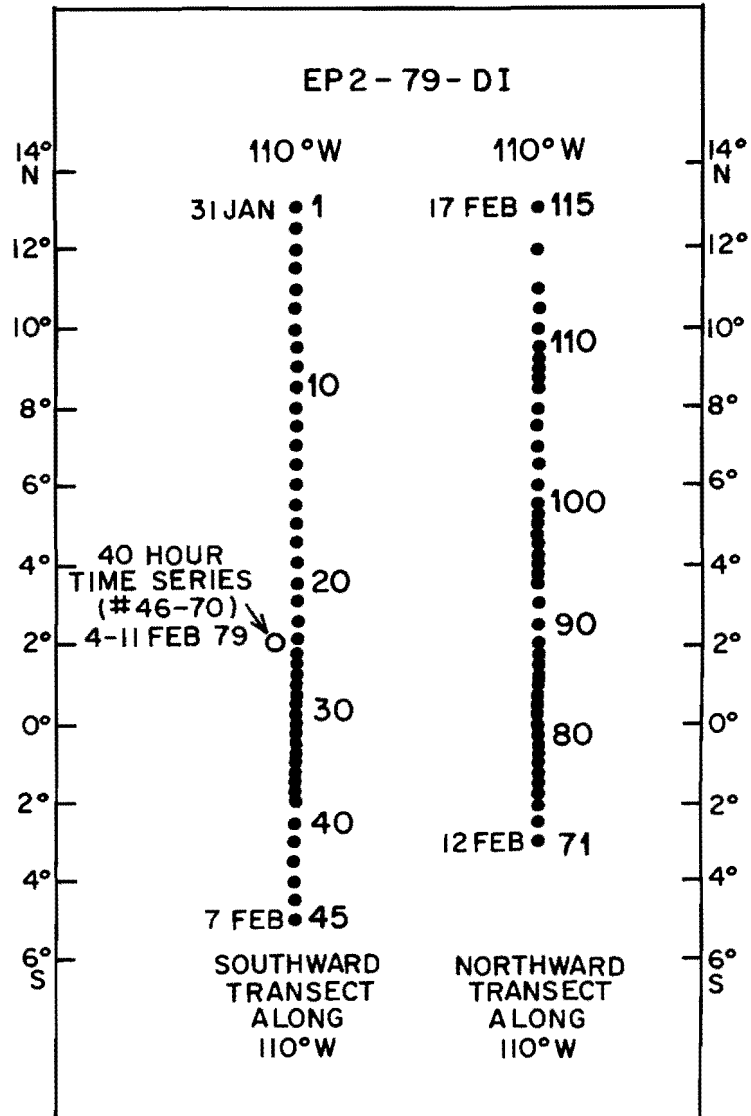


Figure 2. CTD/O₂ stations occupied during EP2-79-DI.

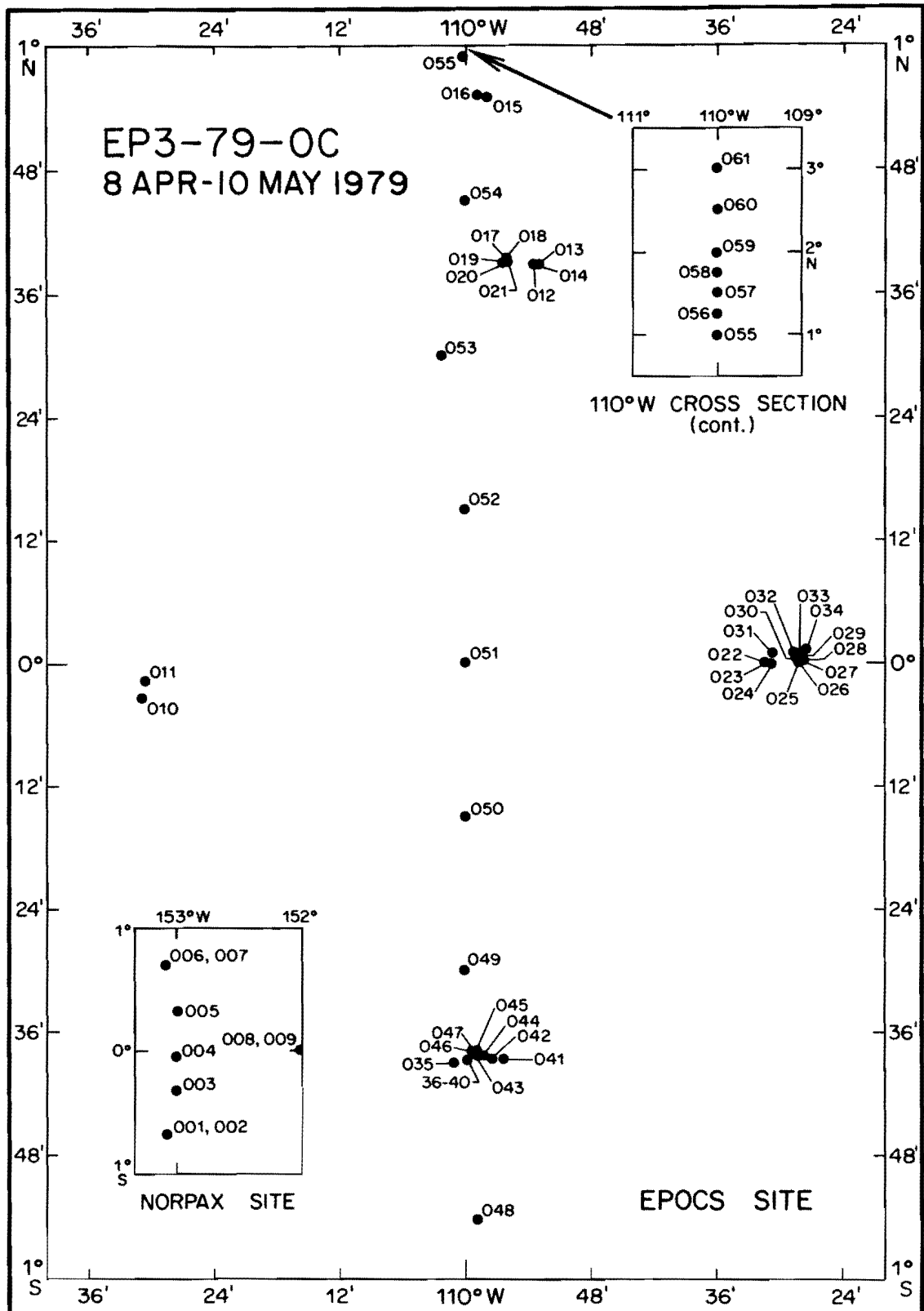


Figure 3. CTD stations occupied during EP3-79-OC.

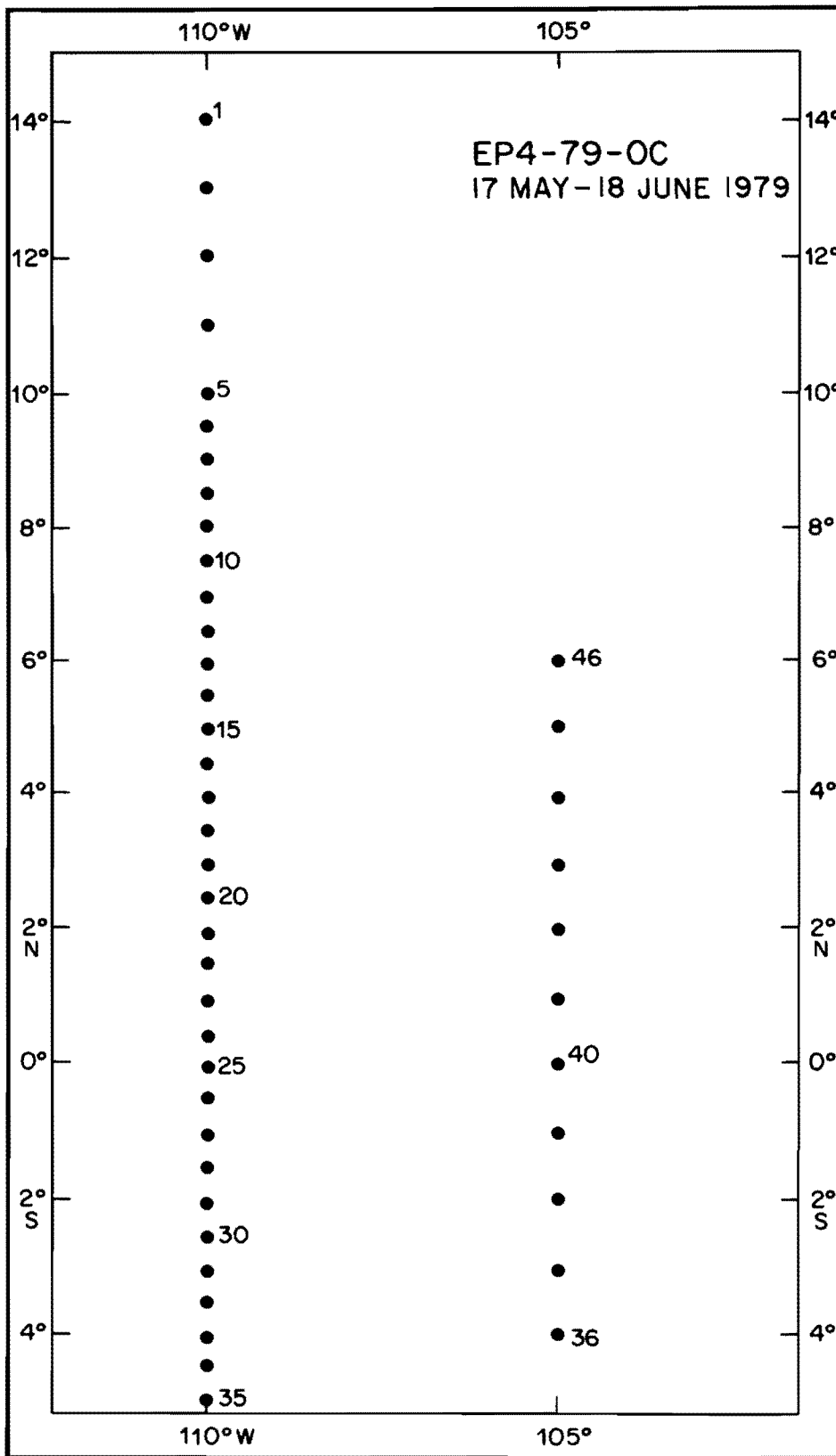


Figure 4. CTD/O₂ stations occupied during EP4-79-OC.

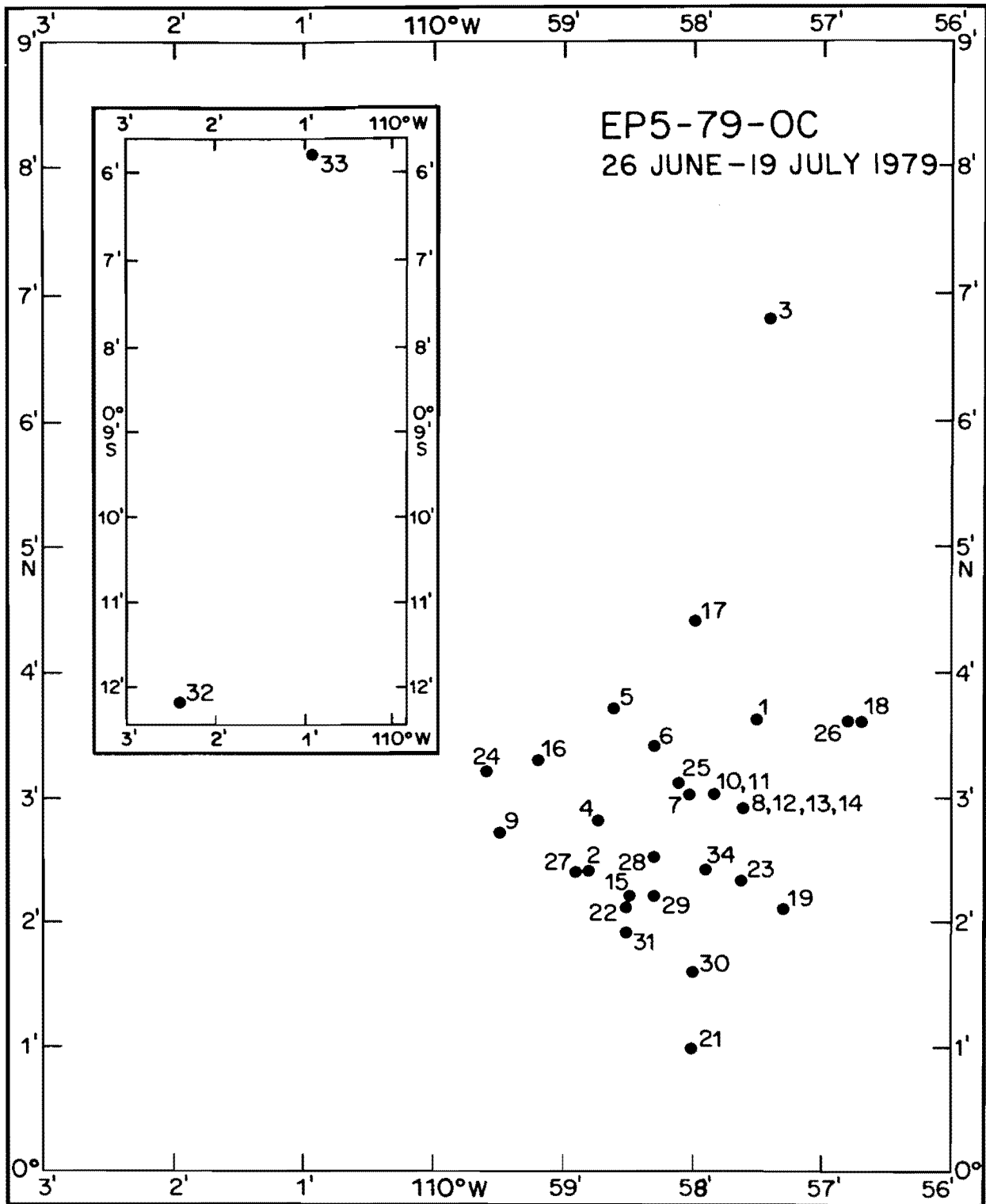


Figure 5. CTD/O₂ stations occupied during EP5-79-OC.

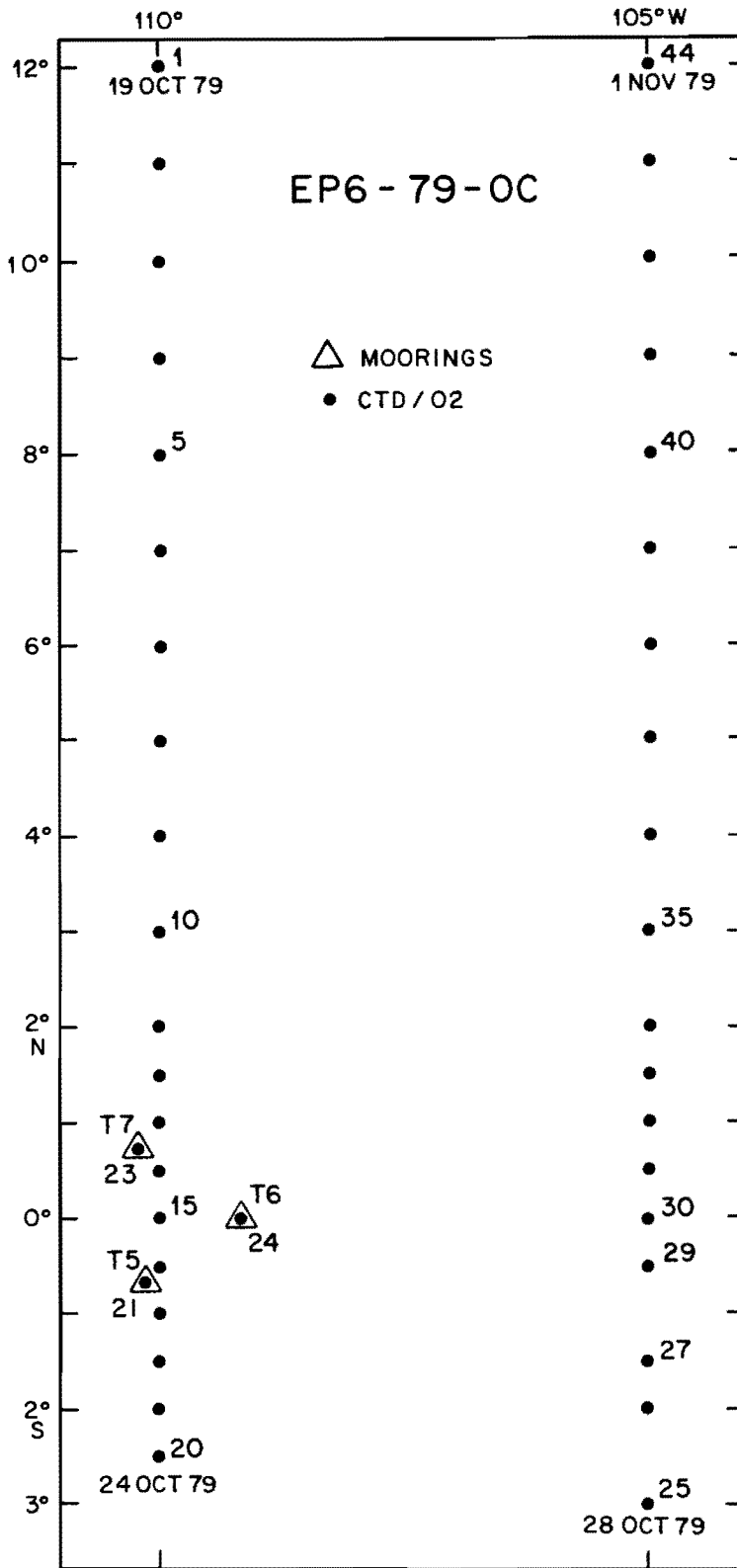


Figure 6. CTD/O₂ stations occupied during EP6-79-OC.

NBIS CTD DATA ACQUISITION SYSTEM

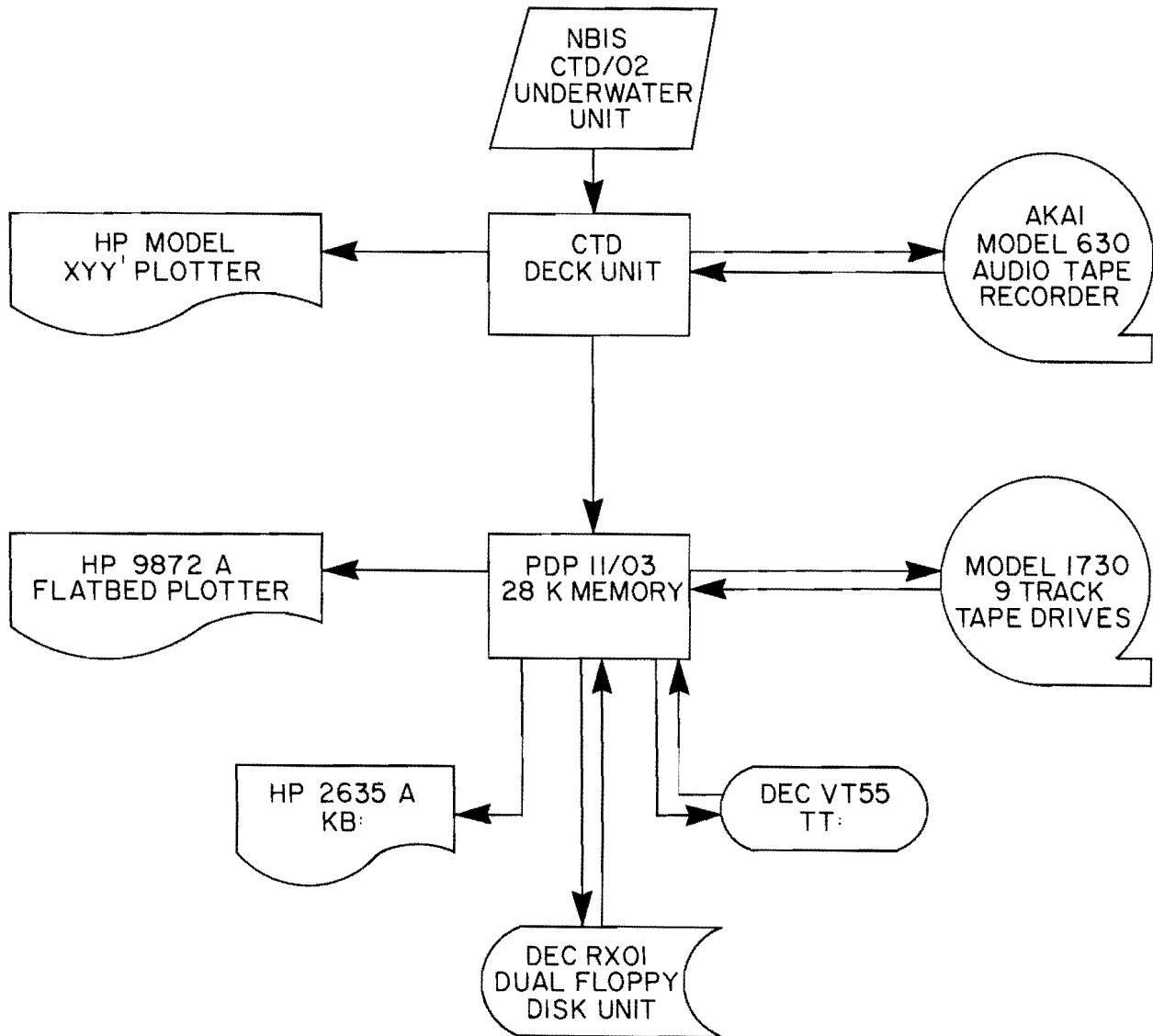


Figure 7. Block diagram of the NBIS CTD/0₂ and PDP LSI 11/03 hardware system.

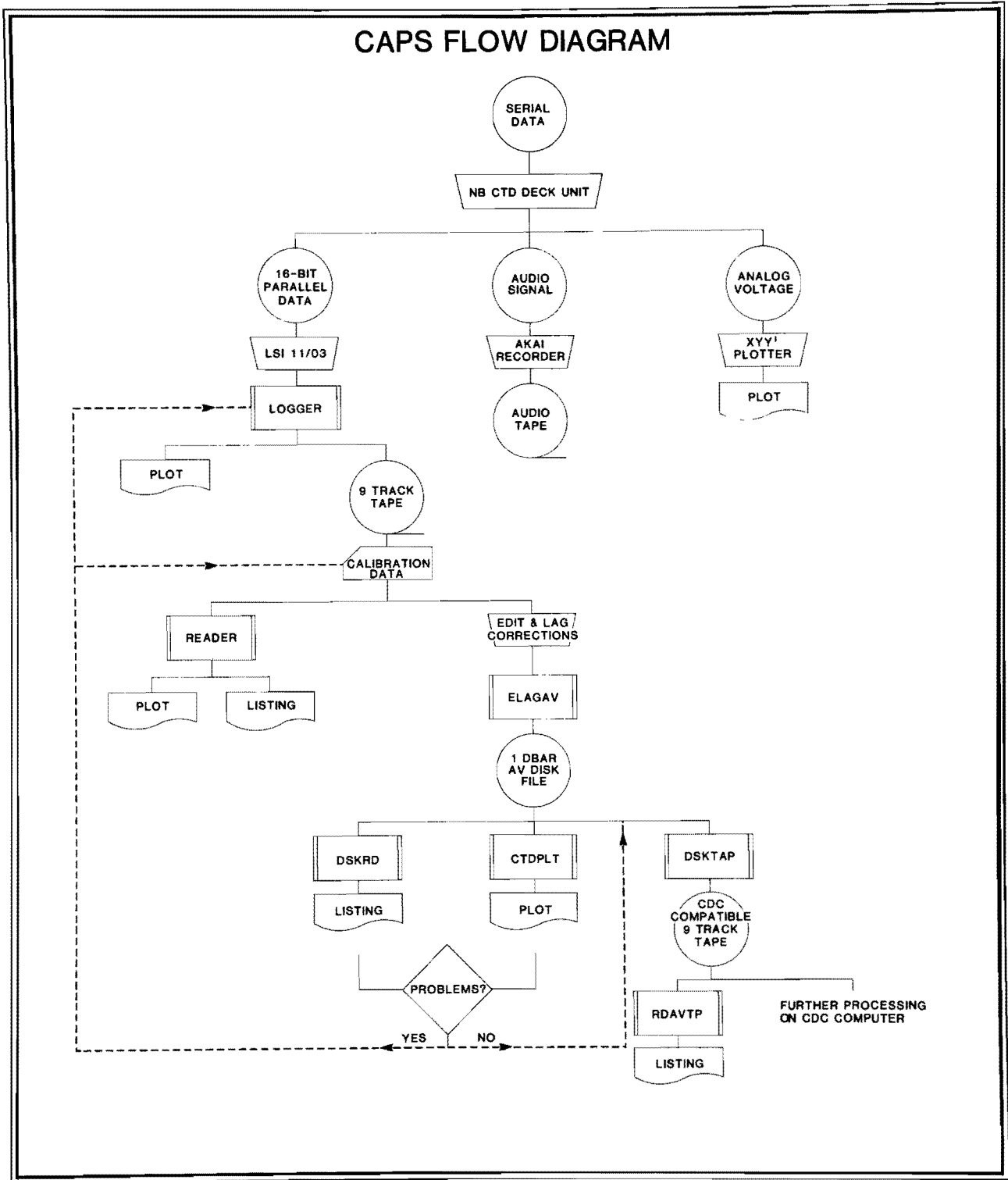


Figure 8. CTD Acquisition and Processing System (CAPS) flow diagram.

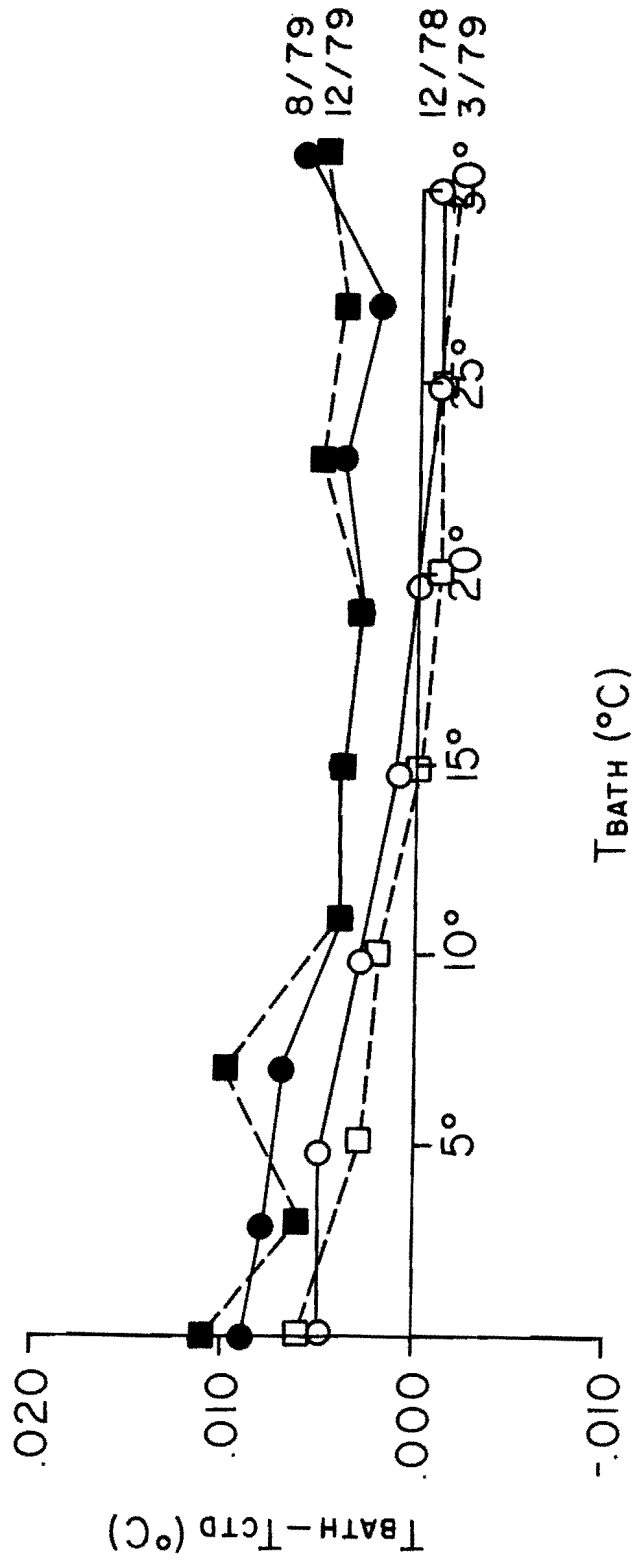


Figure 9. Temperature calibration results from laboratory calibrations conducted at the Northwest Regional Calibration Center (NWRCC) during 1979.

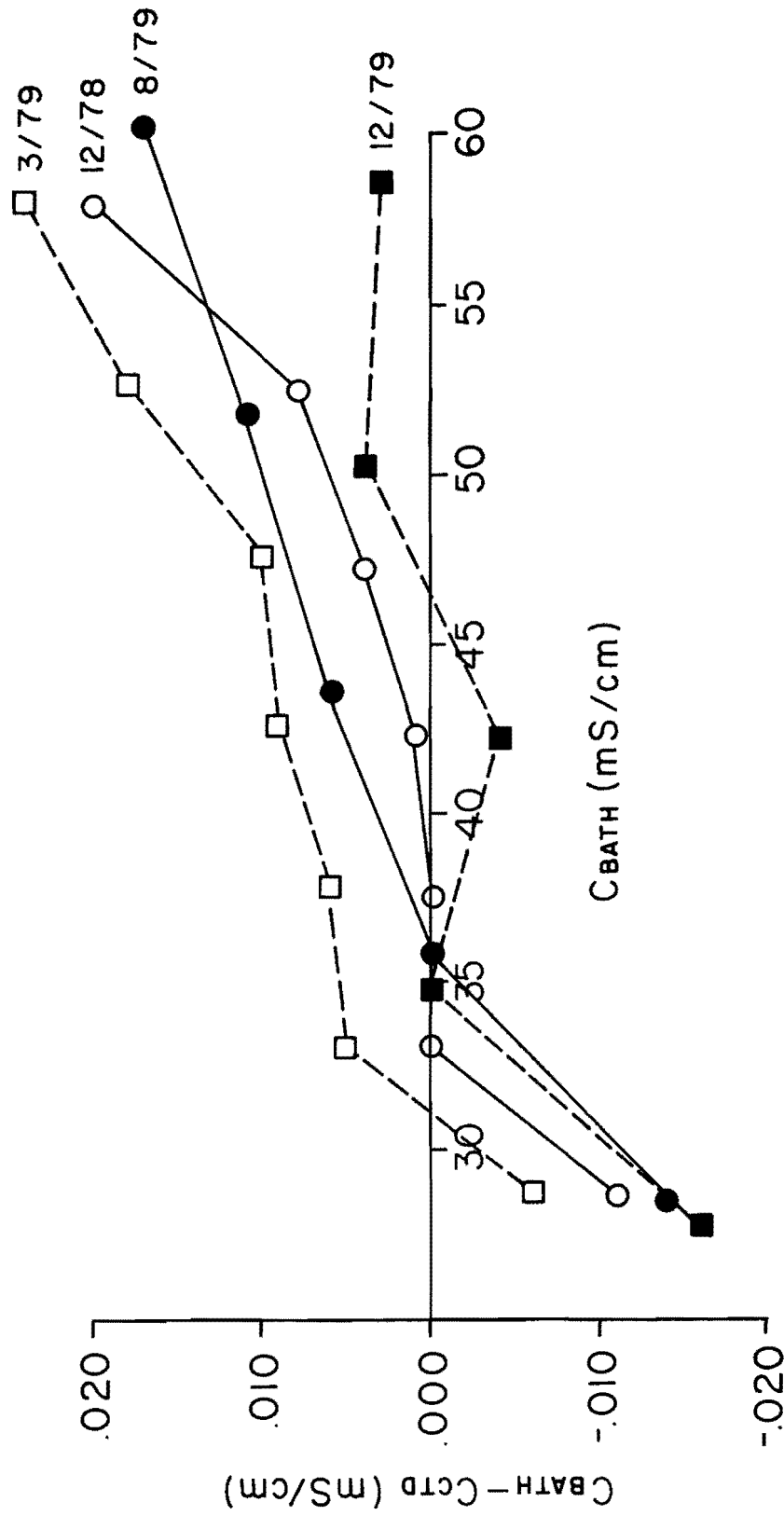


Figure 10. Conductivity calibration results from laboratory calibrations conducted at NWRCC during 1979.

TEMPERATURE (°C)
110°W

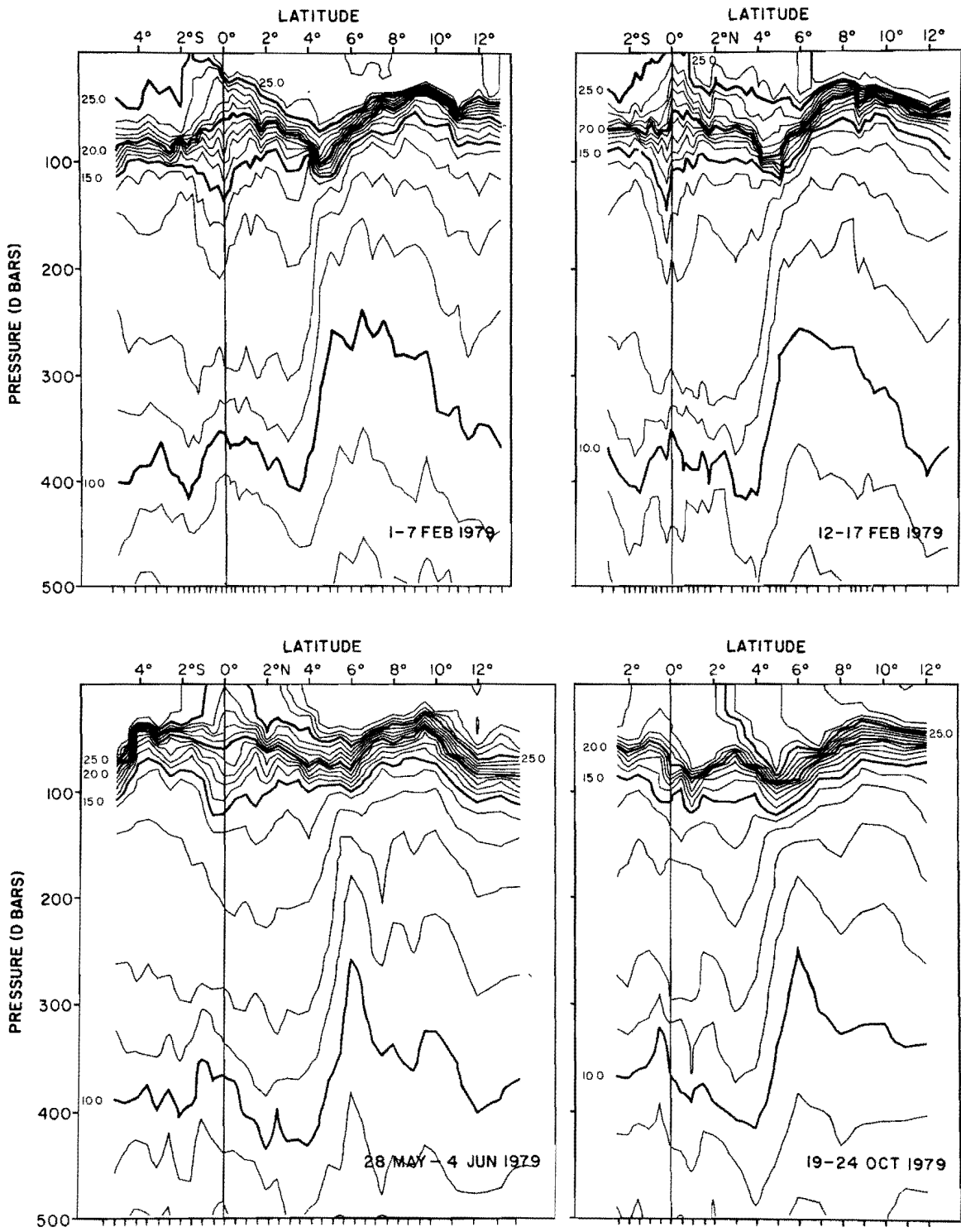


Figure 11. Temperature (°C) sections along 110°W in 1979.

SALINITY (‰)
110°W

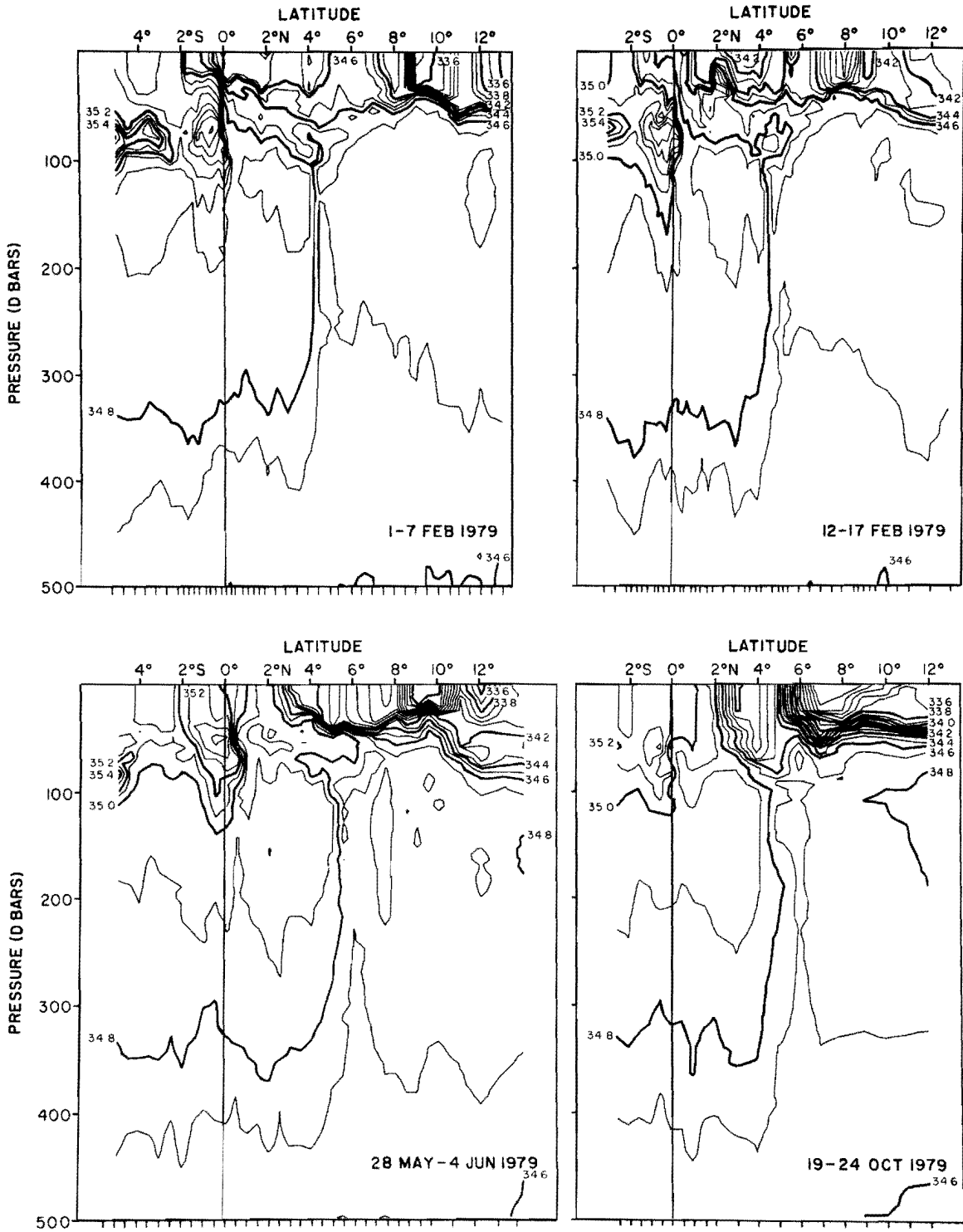


Figure 12. Salinity (‰) sections along 110°W in 1979.

SIGMA-T
110°W

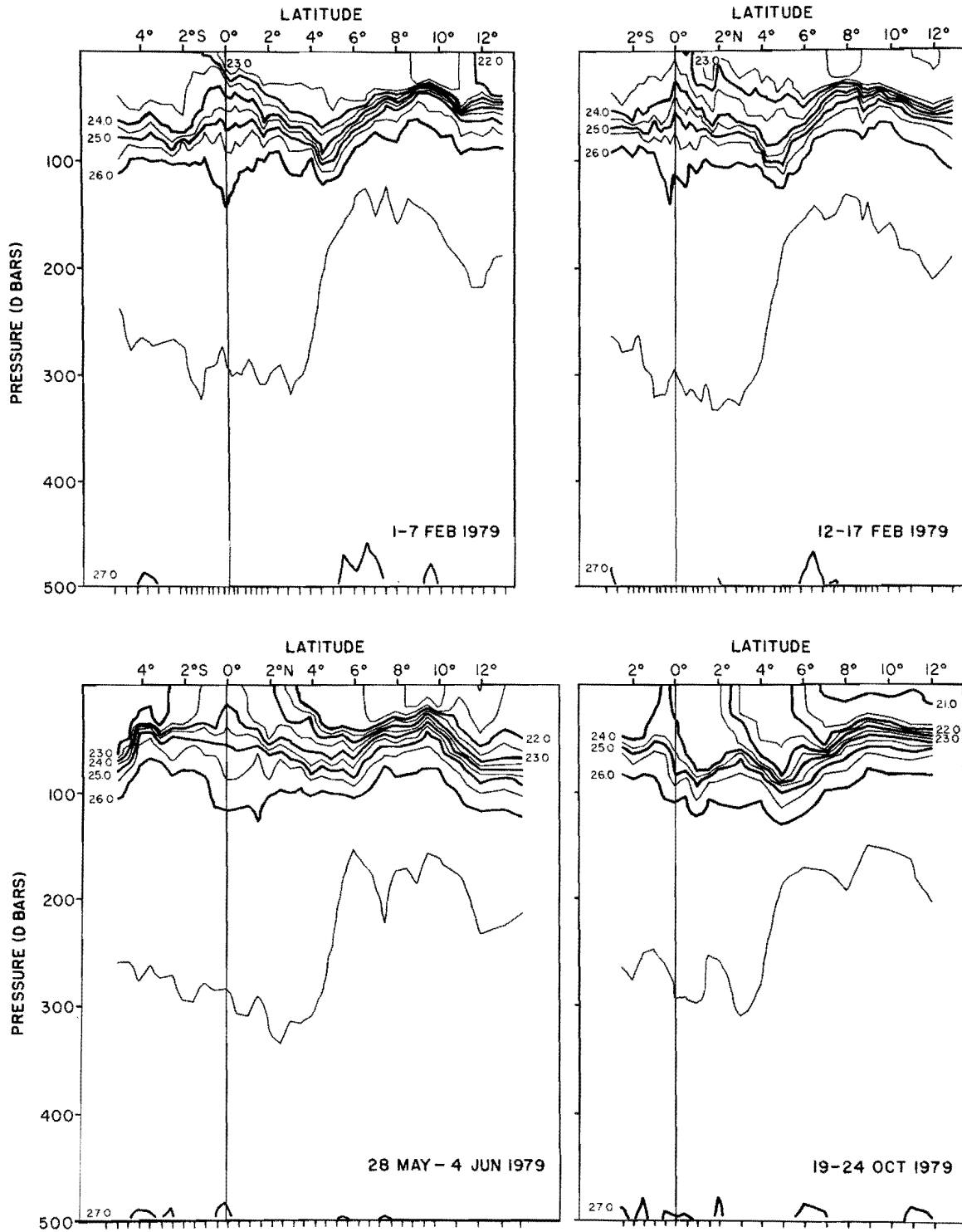


Figure 13. Sigma-T sections along 110°W in 1979.

OXYGEN (ml/l)
110°W

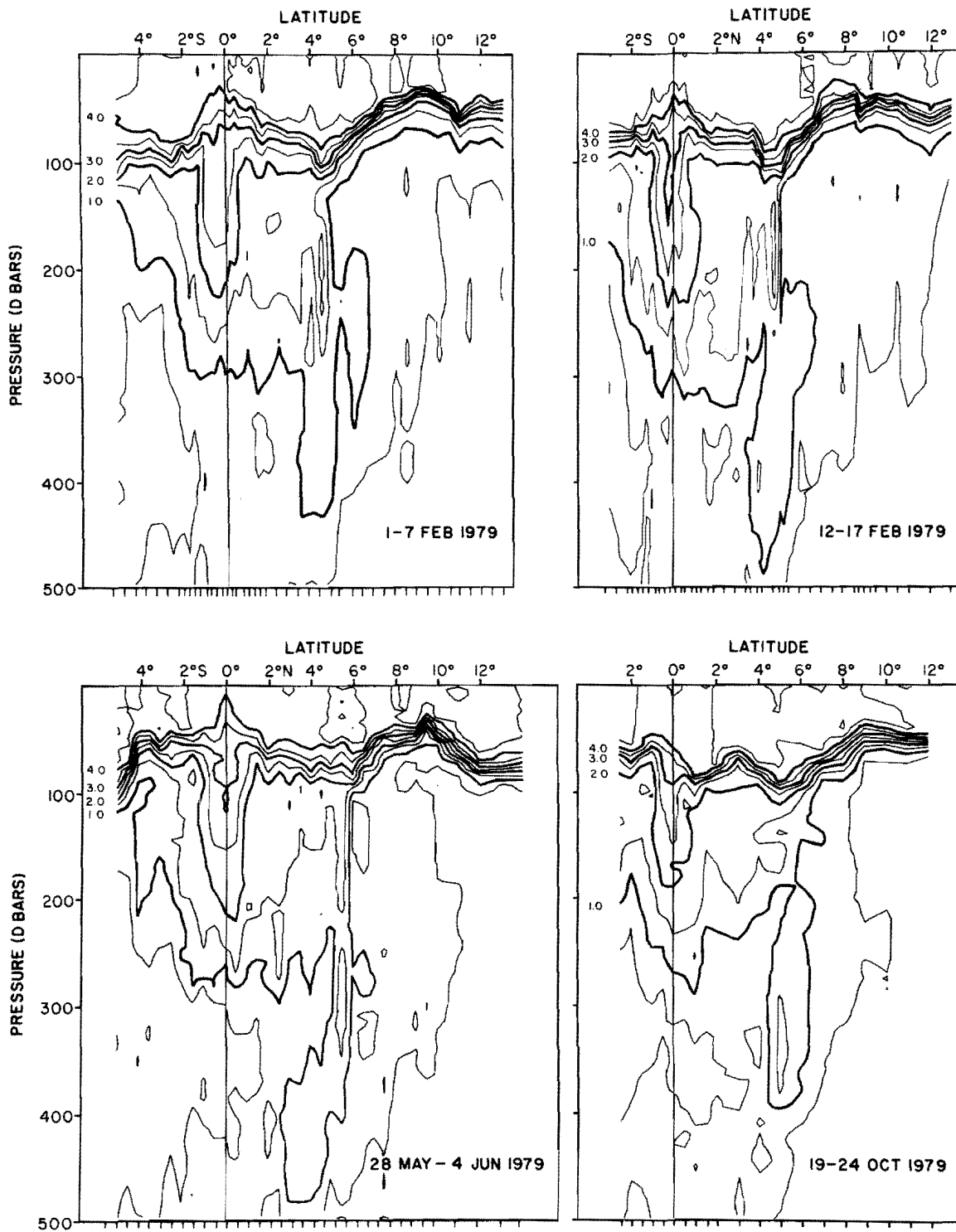


Figure 14. Oxygen (ml/l) sections along 110°W in 1979.

TEMPERATURE SECTION (°C)
110°W and 105°W

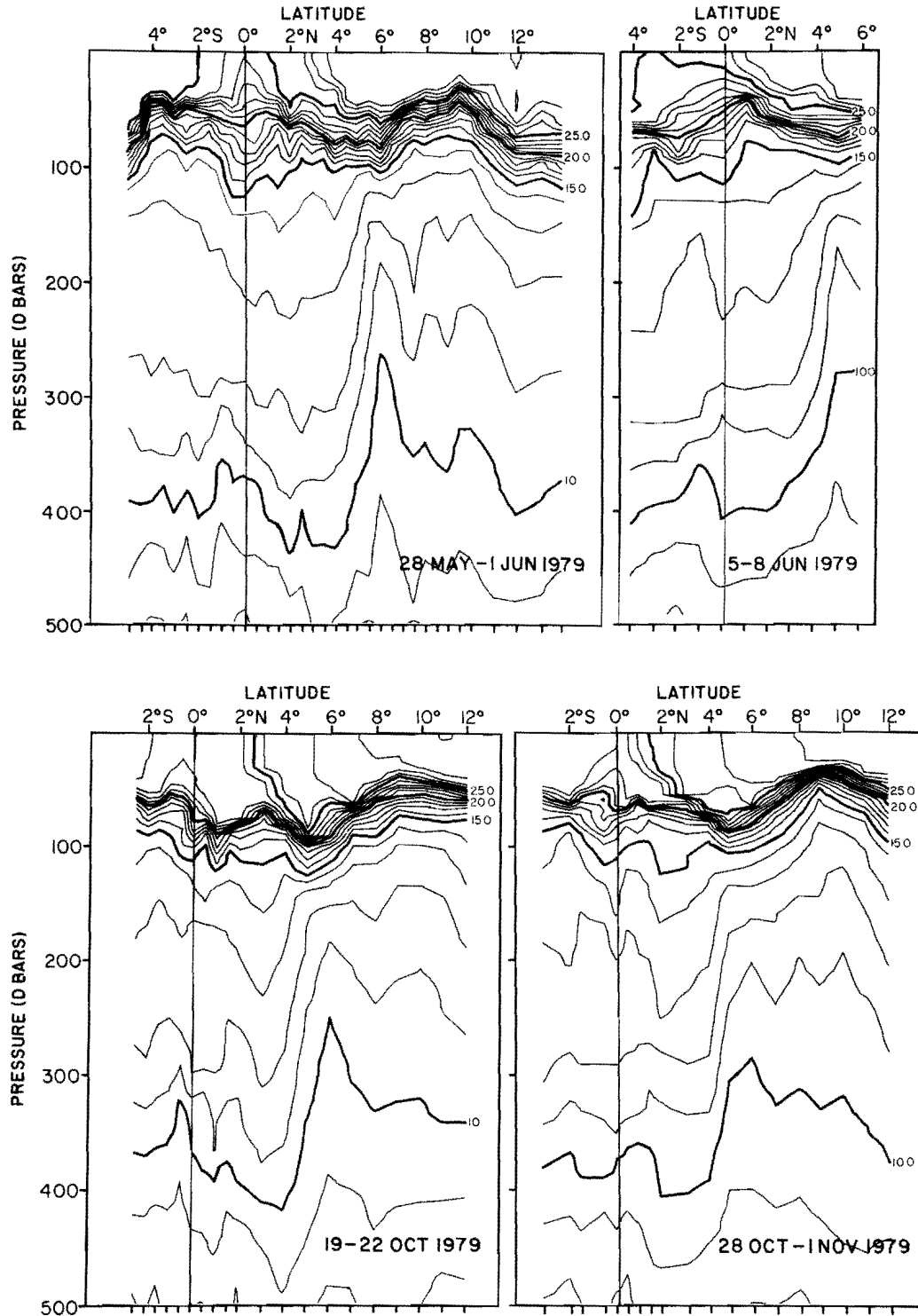


Figure 15. Comparison of temperature sections along 110°W and 105°W in 1979.

SURFACE RELATIVE TO 500dbars
110°W

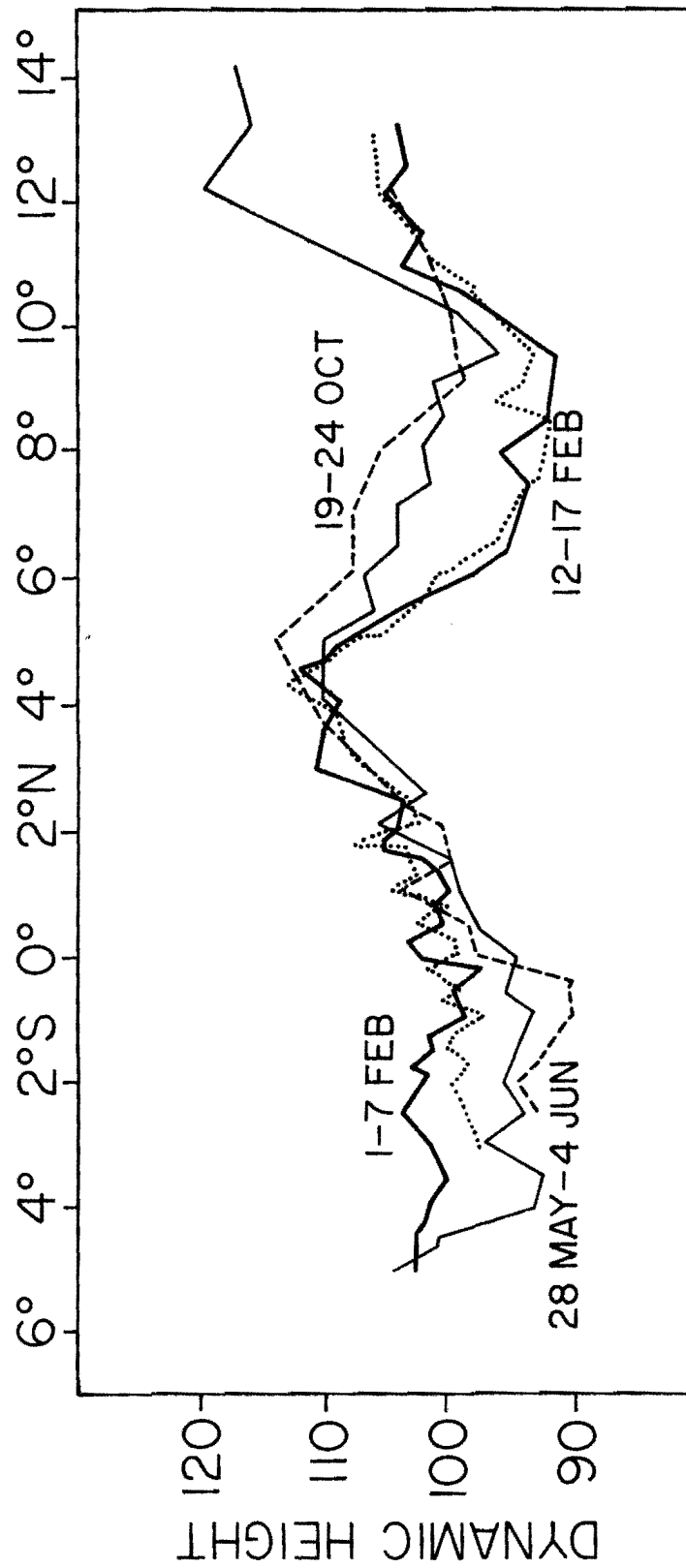


Figure 16. Dynamic height of surface relative to 500 dbar for four sections along 110°W in 1979.

TABLE 1

LOGGER Header Record Structure

1. The first record of each file is a header record, and is 380 [440]* (16-bit) words long.
2. Tapes may have one or more files with each cast being one file.
3. The header record has 2 distinguishing characteristics which data records do not share:
 - a. Word number 1 is zero on the header record and non-zero (1) on data records.
 - b. Word number 7 is blank on data records and is the cast number on the header record.
4. The header record is structured as follows:

<u>Word</u>	<u>Contents</u>
1	Tape block number (equals 0 on header record)
2	Number of words per block (IBKSIZ, default is 380 [440])
3	Number of data words per scan (INRWRD, default is 6 [7])
4	Time } Converted by CVTTIM, a system program
5	
6	Date - Converted by GETDAT, macro subroutine
7	Tape Identification (cast number), print in I5
8-10	Blank
11,12	Pressure slope (32-bit REAL*4 word)**
13,14	Pressure intercept "
15,16	Temperature slope "
17,18	Temperature intercept "
19,20	Conductivity slope "
21,22	Conductivity intercept "
23,24	Oxygen current slope "
25,26	Oxygen current inter. "
27,28	Oxygen temperature slope "
29,30	Oxygen temperature inter "
31-380[440]	Header comments - grouped as 80 character lines Print out in (40A2) format

* Modifications for 7 data words including fast response (i.e. P,T,C,Sign, OXC, OXT,TFR) are included in [].

** Note - on LSI 11/03, a 16-bit INTEGER*2 word will hold exactly 2 characters. A 32-bit REAL*4 word will hold exactly 4 characters.

TABLE 2

LOGGER Data Record Structure

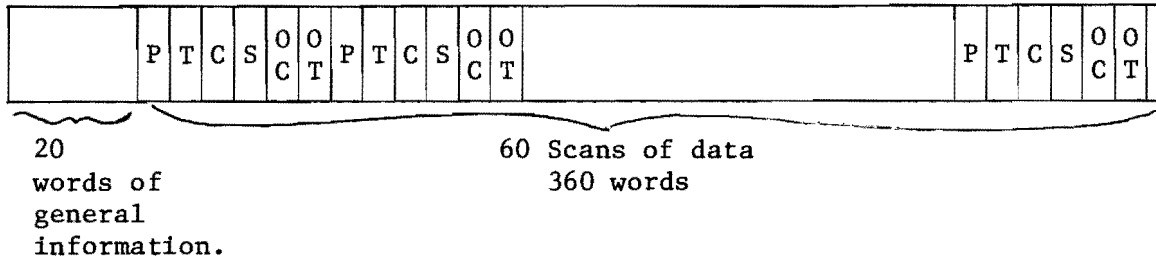
1. Each data record consists of 380 [440] (16-bit) words.
2. Each data record has 20 (16-bit) words of general information followed by 60 scans of data in 360 [420] (16-bit) words.
3. The twenty (16-bit) words of general information is given below:

<u>Word</u>	<u>Contents</u>
1	Tape block number, greater than 0 on all data records.
2	Number of words per block (IBKSIZ, 380 [440]).
3	Number of data words per scan (INRWRD, 6[7]).
4	Time } Converted to actual time by CVTTIM, a system program.
5	
6	Date - converted to actual date by GETDAT.
7-17	Blank
18	Neil Brown block number
19	Number of data errors
20	Number of sync errors

4. Each scan of CTD data is 6[7] (16-bit) words. They are given with their locations in the data record

<u>Word</u>	<u>Contents</u>	<u>Location in 60-scan data record</u>	
1	Pressure	IBUF(21+J*6)	J=0,59
		[IBUF(21+J*7)	J=0,59]
2	Temperature	IBUF(22+J*6)	J=0,59
		[IBUF(22+J*7)	J=0,59]
3	Conductivity	IBUF(23+J*6)	J=0,59
		[IBUF(23+J*7)	J=0,59]
4	Sign*	IBUF(24+J*6)	J=0,59
		[IBUF(24+J*7)	J=0,59]
5	Oxygen Current	IBUF(25+J*6)	J=0,59
		[IBUF(25+J*7)	J=0,59]
6	Oxygen Temp.	IBUF(26+J*6)	J=0,59
		[IBUF(26+J*7)	J=0,59]
[7]	[Fast resp. temp.]	[IBUF(27+J*7)	J=0,59]

Data Record Structure



* Note - Sign word contains sign information for pressure, temperature. All 16 bits of the words for temperature and pressure are used for data and not for sign information. In the sign word: if the 2⁸ bit = 1, pressure should be multiplied by -1; if the 2⁹ bit = 1, temperature should be multiplied by -1.

TABLE 3

Abbreviations and Units Used to
Describe Each Set of CTD Measurements

SALINITY	Salinity, parts per thousand (o/oo)
TEMPERATURE	Temperature, degrees Celsius (°C)
CAST EP4-79-OC-007	CTD measurement station <u>007</u> made from the research vessel <i>OCEANOGRAPHER</i> during EP4-79.
DATE	Day, month, year
TIME	Hours and minutes, Greenwich Mean Time (GMT)
LAT	Latitude, degrees and minutes north
LONG	Longitude, degrees and minutes west
WEATHER	Present weather conditions (see Table 4)
SEA STATE	Present sea state conditions (see Table 5)
BAROMETER	Sea level atmospheric pressure, millibars (mb) over 1000 mb
WIND DIR	Wind direction, degrees True from which the wind blows
SPD	Wind speed, knots
VISIBILITY	Visibility (see Table 6)
CLOUD	Cloud type (see Table 7)
AMOUNT	Amount of cloud cover (see Table 8)
DRY	Dry air temperature, degrees Celsius
WET	Wet bulb temperature, degrees Celsius
DEPTH	Depth to the bottom, meters

TABLE 4

Weather Condition Code Used to
Describe Each Set of CTD Measurements

<u>Code</u>	<u>Weather Condition</u>
0	Clear (no cloud)
1	Partly cloudy
2	Continuous layer(s) of cloud(s)
3	Sandstorm, duststorm, or blowing snow
4	Fog, thick dust or haze
5	Drizzle
6	Rain
7	Snow, or rain and snow mixed
8	Shower(s)
9	Thunderstorms

TABLE 5

Sea State Code Used to Describe
Each Set of CTD Measurements

<u>Code</u>	<u>Height (meters)</u>	<u>Description</u>
0	0	Calm-glassy
1	0 - 0.1	Calm-rippled
2	0.1 - 0.5	Smooth-wavelet
3	0.5 - 1.25	Slight
4	1.25 - 2.5	Moderate
5	2.5 - 4	Rough
6	4 - 6	Very rough
7	6 - 9	High
8	9 - 14	Very high
9	> 14	Phenomenal

TABLE 6

Visibility Code Used to Describe
Each Set of CTD Measurements

<u>Code</u>	<u>Visibility</u>
0	< 50 meters
1	50 - 200 meters
2	200 - 500 meters
3	500 - 1,000 meters
4	1 - 2 km
5	2 - 4 km
6	4 - 10 km
7	10 - 20 km
8	20 - 50 km
9	50 km or more

TABLE 7

Cloud Type

<u>Code</u>	<u>Cloud Types</u>
0	Cirrus
1	Cirrocumulus
2	Cirrostratus
3	Alto cumulus
4	Altostratus
5	Nimbostratus
6	Stratocumulus
7	Stratus
8	Cumulus
9	Cumulonimbus
x	Clouds not visible

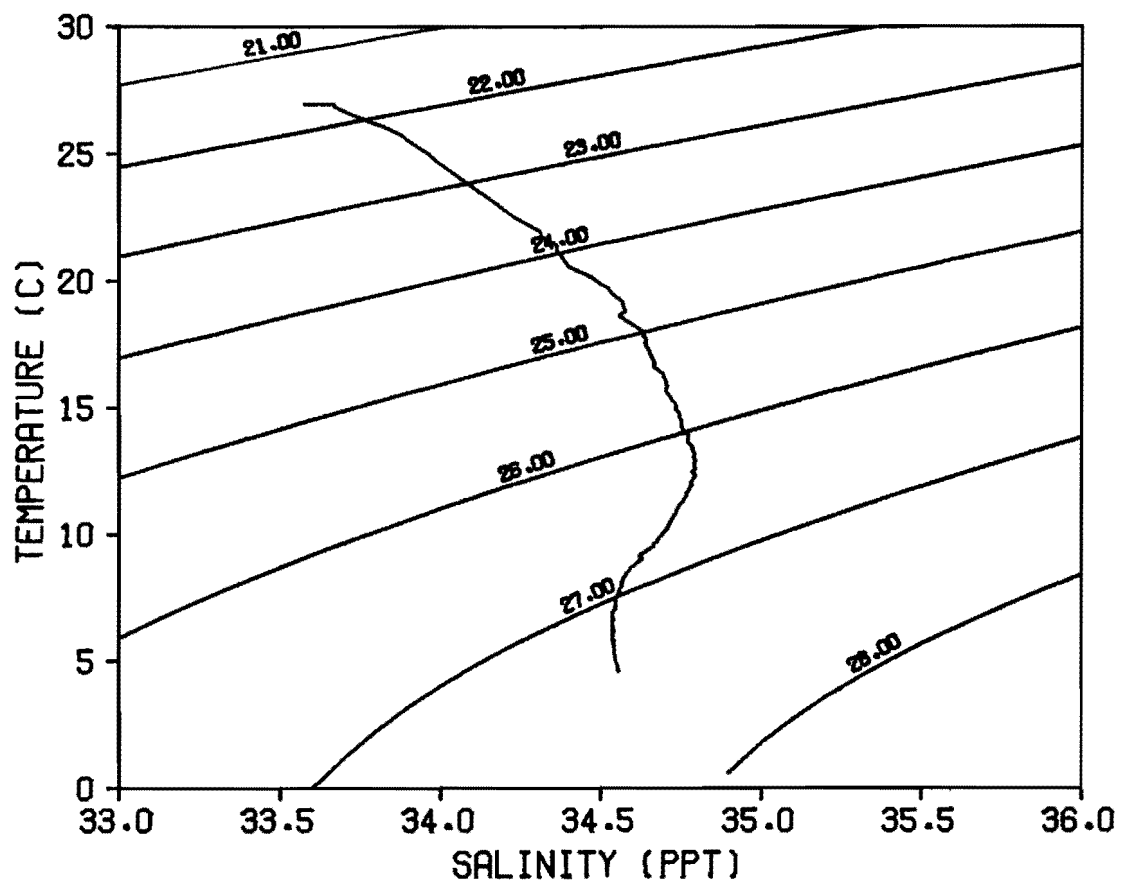
TABLE 8

Cloud Amount

<u>Code</u>	<u>Cloud Amount</u>
0	0
1	1/10 or less but not zero
2	2/10 - 3/10
3	4/10
4	5/10
5	6/10
6	7/10 - 8/10
7	9/10
8	10/10
9	Sky obscured or not determined

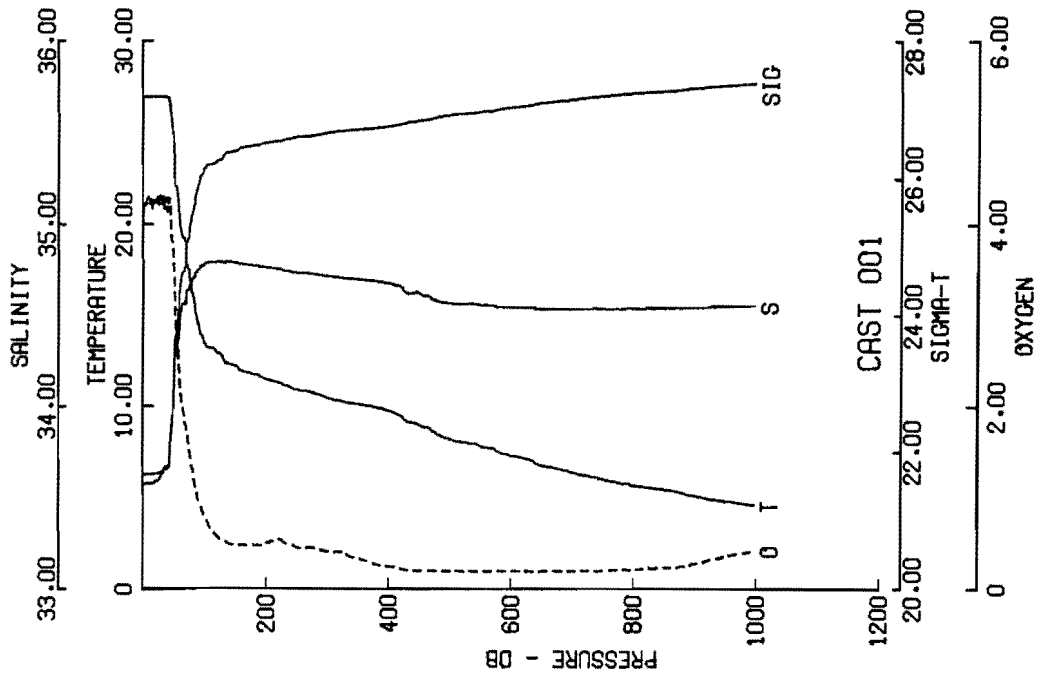
DATA

CAST EP2-79-DI-001 DATE 31 JAN 79 TIME 1733 GMT
LAT 13 01.0N LONG 110 01.5W

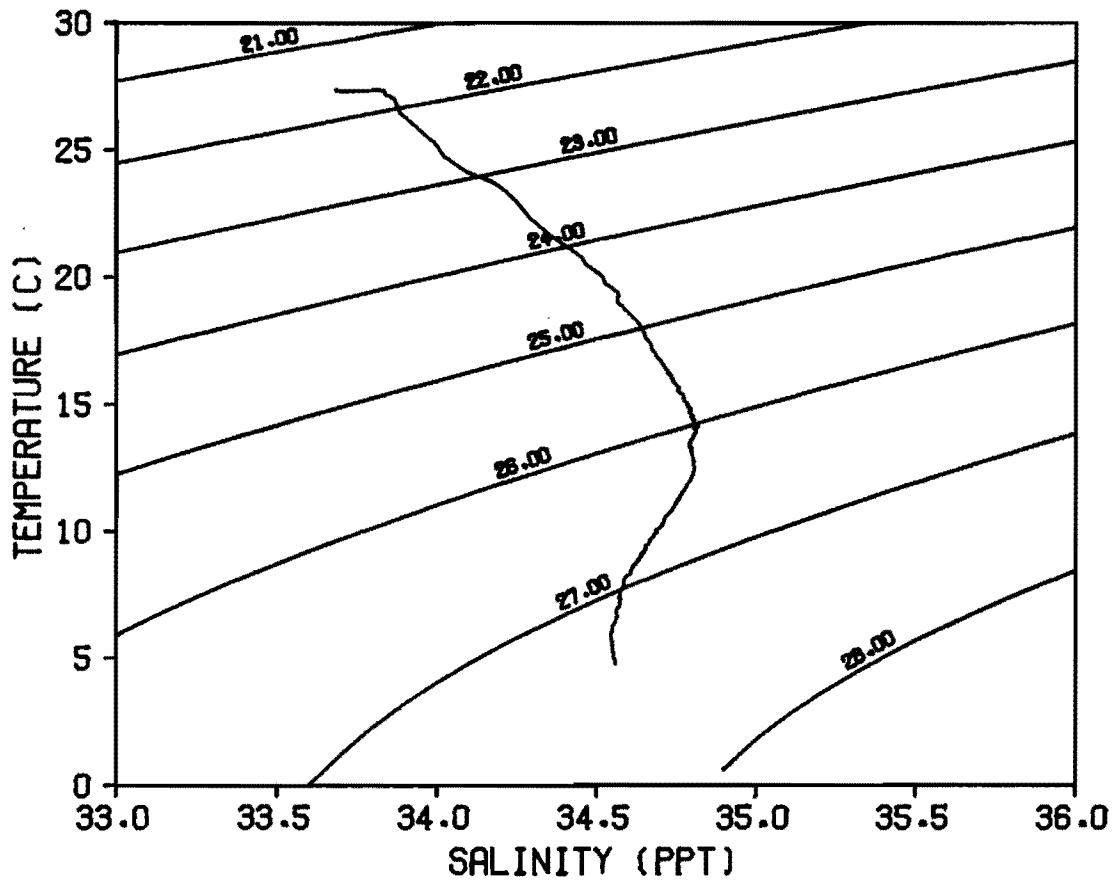


CAST EP2-79-DI-001 DATE 31 JAN 79 TIME 1733 GMT
 LAT 13 01.0N LONG 110 01.5W WEATHER 1 SEA STATE 4
 BAROMETER 15 WIND DIR 035 T SPD 17 KT VISIBILITY 7
 CLOUD 2 AMOUNT 1 WET 26.1 WET 22.0 DEPTH 2990 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	26.976	33.575	4.15	21.673	.000
10	26.977	33.577	4.14	21.674	.061
20	26.975	33.570	4.24	21.684	.123
30	26.977	33.577	4.25	21.704	.184
40	26.977	33.617	4.21	21.759	.245
50	26.943	33.691	4.13	22.337	.303
60	24.669	33.472	3.68	24.338	.375
70	20.152	34.588	2.37	24.798	.407
80	18.623	34.586	1.1	25.199	.430
90	16.221	34.783	.79	25.145	.450
100	13.778	34.792	.66	26.206	.469
110	12.947	34.794	.58	26.261	.487
120	12.623	34.793	.52	26.325	.505
130	12.323	34.794	.47	26.385	.522
140	12.067	34.780	.47	26.445	.536
150	11.844	34.784	.48	26.495	.556
160	11.647	34.778	.47	26.545	.572
170	11.473	34.773	.48	26.581	.588
180	11.313	34.768	.47	26.624	.604
190	11.168	34.763	.50	26.666	.620
200	11.030	34.735	.41	26.712	.637
250	10.582	34.717	.41	26.866	.671
300	10.113	34.698	.33	26.971	.642
350	9.746	34.677	.20	26.768	.979
400	8.955	34.621	.19	26.847	.042
450	8.181	34.559	.19	26.927	.102
500	7.423	34.547	.19	26.044	.160
550	6.657	34.537	.19	27.198	.215
600	6.022	34.533	.19	27.159	.267
650	5.579	34.533	.20	27.207	.317
700	5.022	34.539	.21	27.253	.365
750	4.661	34.542	.21	27.278	.411
800	4.244	34.546	.22	27.321	.457
850	3.825	34.552	.23	27.367	.497
900	3.401	34.555	.23	27.417	.537
950	3.018	34.555	.23	27.467	.577
997	4.018	34.555	.23	27.517	.617

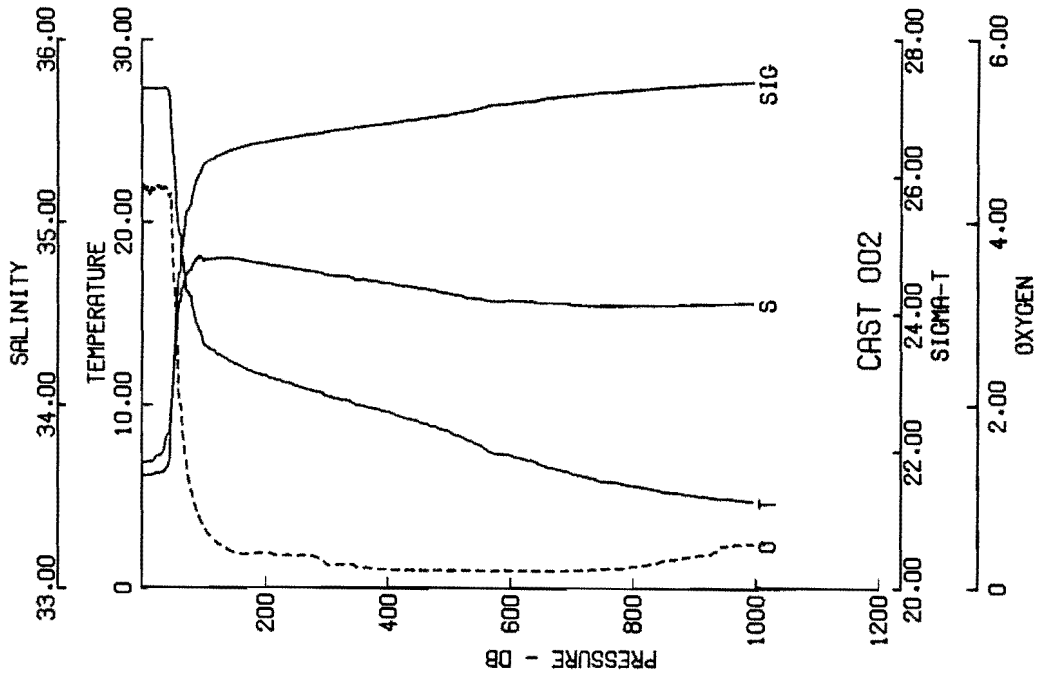


CAST EP2-79-DI-002 DATE 31 JAN 79 TIME 2225 GMT
LAT 12 30.0N LONG 110 00.0W

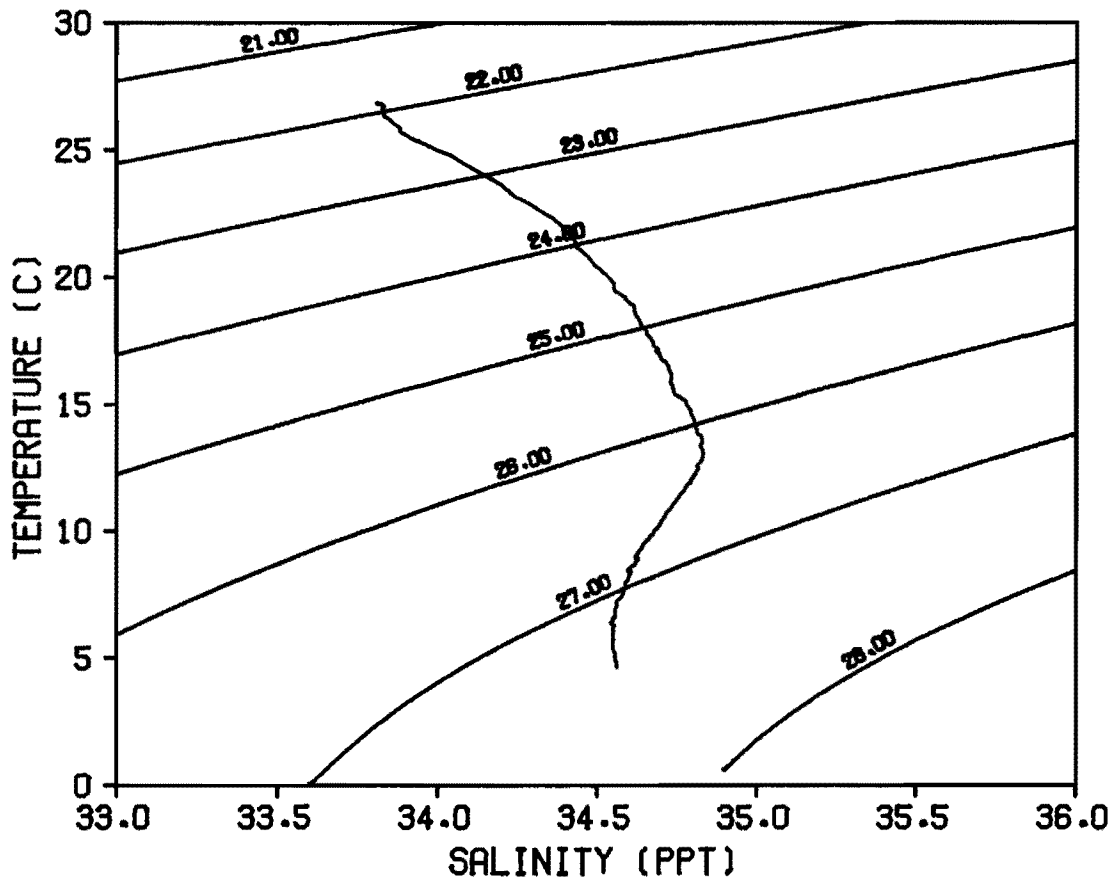


CAST EP2-79-DI-002 DATE 31 JAN 79 TIME 2225 GMT
 LAT 12 30.0N LONG 025 11 WIND DIR 025 Y SEA STATE 4
 BAROMETER 11 WIND DR Y WET 22.0 VISIBILITY 7
 CLOUD 2 AMOUNT 1 WET 27.5 DEPTH 3702 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	27.346	33.685	4.40	21.636	.000
10	27.339	33.690	4.40	21.637	.062
20	27.316	33.727	4.37	21.657	.125
30	27.329	33.828	4.37	21.676	.204
40	27.342	34.091	4.32	21.730	.304
50	27.499	34.555	4.09	22.031	.375
60	19.942	34.686	2.44	22.505	.400
70	16.652	34.757	1.05	22.979	.422
80	14.367	34.807	.87	23.179	.460
90	13.337	34.789	.87	23.233	.478
100	13.095	34.796	.50	23.291	.496
110	12.831	34.801	.45	23.328	.510
120	12.653	34.805	.41	23.371	.547
130	12.434	34.802	.38	23.404	.563
140	12.272	34.796	.37	23.423	.579
150	12.138	34.789	.38	23.480	.611
160	11.981	34.783	.38	23.506	.619
170	11.781	34.778	.38	23.581	.683
180	11.608	34.774	.35	23.624	.763
190	11.061	34.714	.22	23.692	.834
200	10.490	34.686	.20	23.725	.970
250	9.082	34.639	.19	23.841	.034
300	8.545	34.612	.19	23.906	.095
350	7.827	34.585	.19	23.994	.151
400	7.260	34.575	.18	24.068	.204
450	6.304	34.563	.18	24.120	.255
500	5.878	34.552	.21	24.180	.304
550	5.631	34.546	.24	24.230	.351
600	5.317	34.549	.31	24.264	.396
650	5.113	34.553	.35	24.309	.439
700	4.930	34.558	.40	24.354	.481
750	4.778	34.560	.49	24.373	

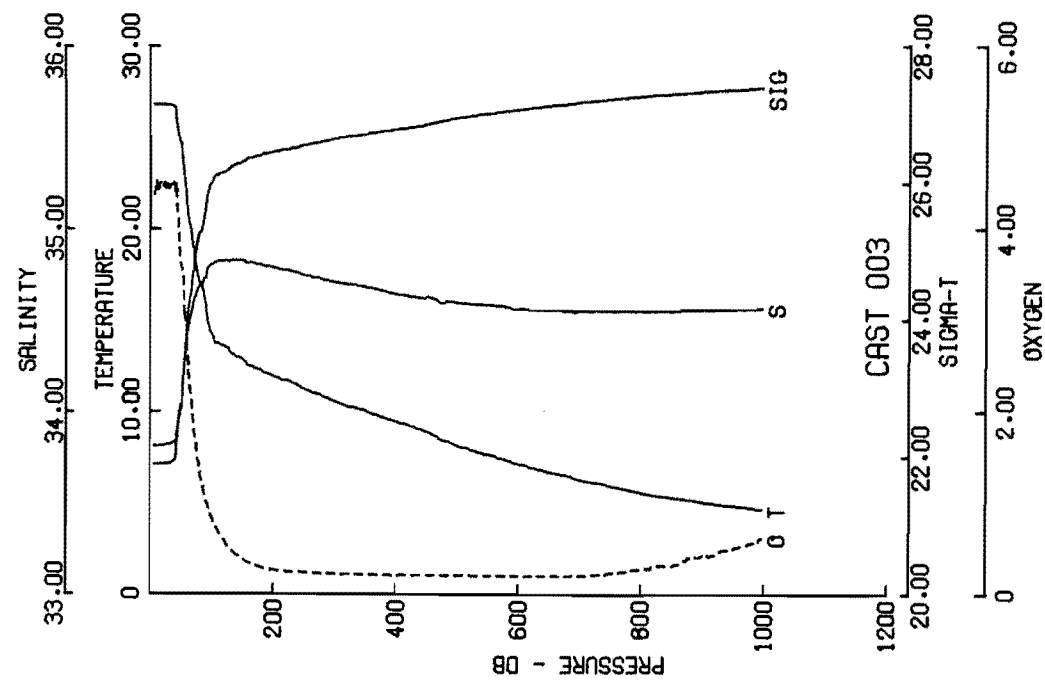


CAST EP2-79-DI-003 DATE 01 FEB 79 TIME 0433 GMT
LAT 11 59.9N LONG 110 00.6W

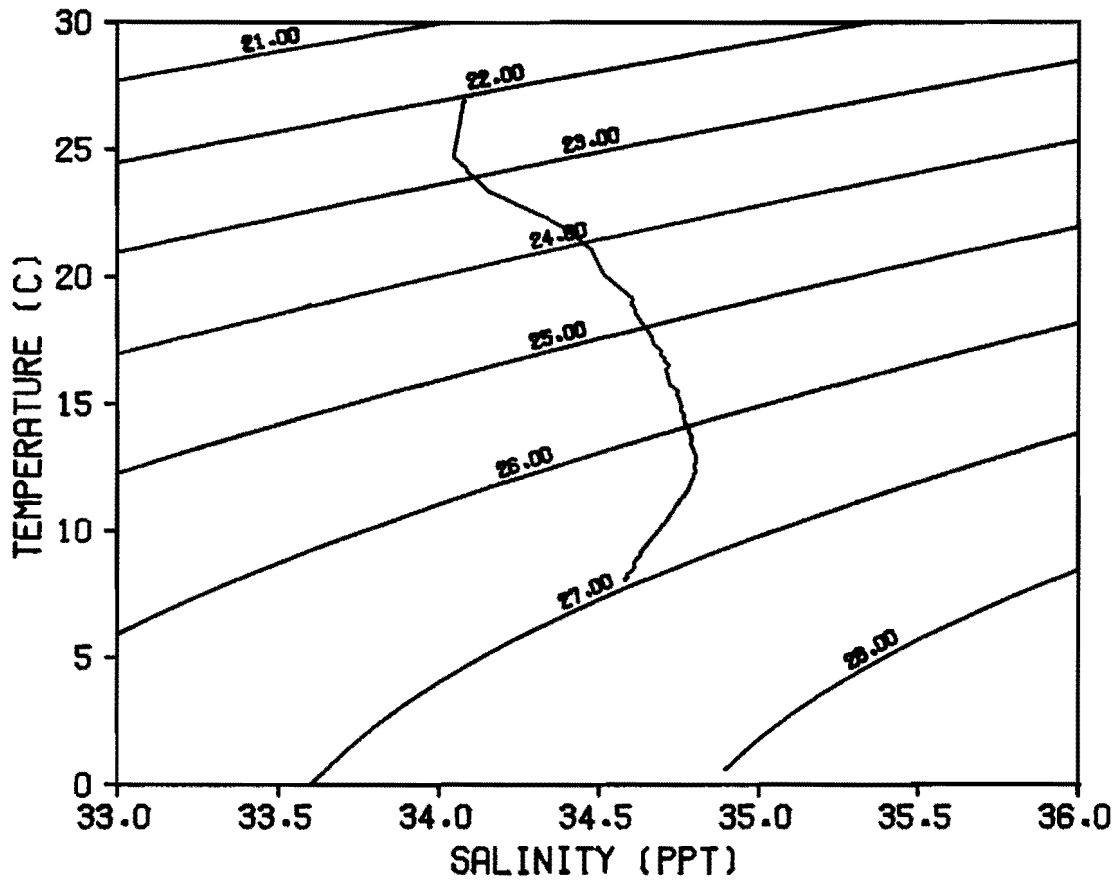


CAST EP2-79-DI-003 DATE 01 FEB 79 TIME 0423 GMT
 LAT 11 59.9N LONG 110 00.6W WEATHER 1 SEA STATE 4
 BAROMETER 13 WIND DIR 025 T SPD 20 KT VISIBILITY 7
 CLOUD 6 AMOUNT 4 DRY 25.9 WET 22.5 DEPTH 2950 M

PRFS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DTN-M)
7	26.837	33.811	4.37	21.894	.059
10	26.832	33.815	4.52	21.894	.119
20	26.810	33.822	4.47	21.894	.178
30	26.714	33.834	4.47	21.894	.237
40	26.601	33.839	4.02	21.894	.292
50	26.430	34.595	3.88	22.970	.338
60	26.398	34.586	1.35	22.527	.404
70	26.086	34.730	1.04	22.574	.430
80	26.240	34.804	.84	22.602	.472
90	26.761	34.828	.69	22.615	.491
100	26.599	34.828	.59	22.623	.510
120	26.232	34.832	.43	22.631	.528
140	26.009	34.831	.38	22.636	.545
150	26.841	34.817	.35	22.638	.563
160	26.502	34.817	.32	22.640	.580
170	26.287	34.809	.29	22.643	.597
180	26.287	34.798	.27	22.645	.613
190	26.095	34.790	.27	22.646	.630
200	26.924	34.749	.22	22.648	.646
250	26.247	34.712	.22	22.648	.679
300	26.571	34.646	.21	22.648	.787
350	26.101	34.646	.21	22.648	.857
400	26.475	34.646	.21	22.648	.926
450	26.164	34.628	.21	22.648	.954
500	26.671	34.585	.21	22.648	1.013
550	26.142	34.554	.21	22.648	1.113
600	26.277	34.554	.21	22.648	1.162
650	26.331	34.550	.21	22.648	1.223
700	26.331	34.550	.21	22.648	1.273
750	26.306	34.550	.21	22.648	1.322
800	26.306	34.550	.21	22.648	1.368
850	26.306	34.550	.21	22.648	1.413
900	26.306	34.550	.21	22.648	1.456
950	26.306	34.550	.21	22.648	1.498
996	26.306	34.550	.21	22.648	1.540

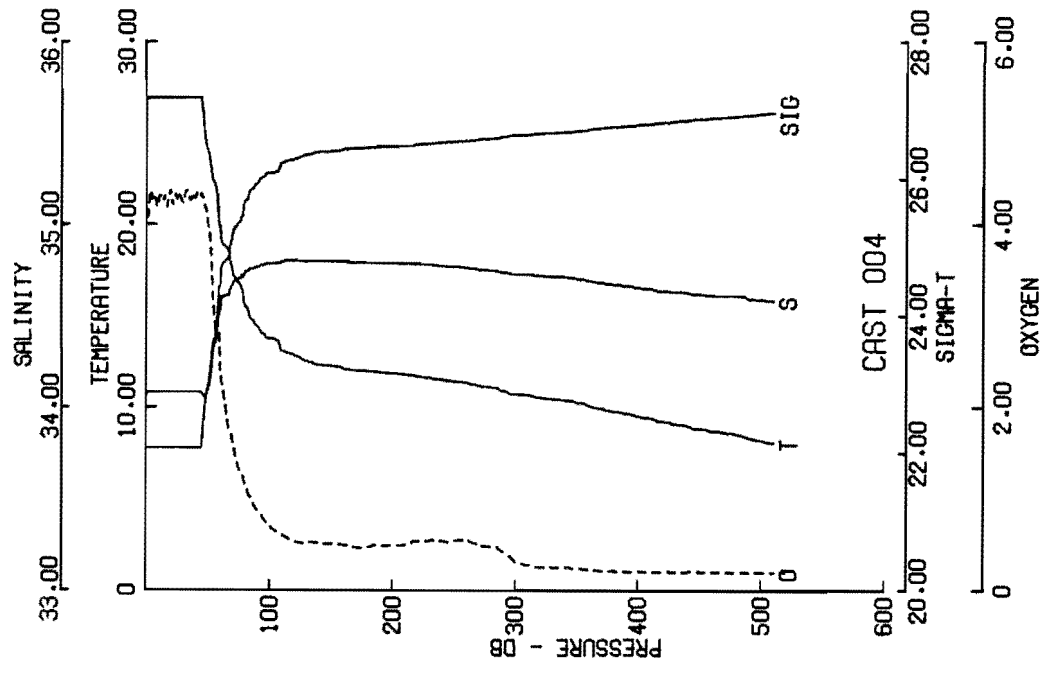


CAST EP2-79-DI-004 DATE 01 FEB 79 TIME 0922 GMT
LAT 11 28.5N LONG 109 58.8W

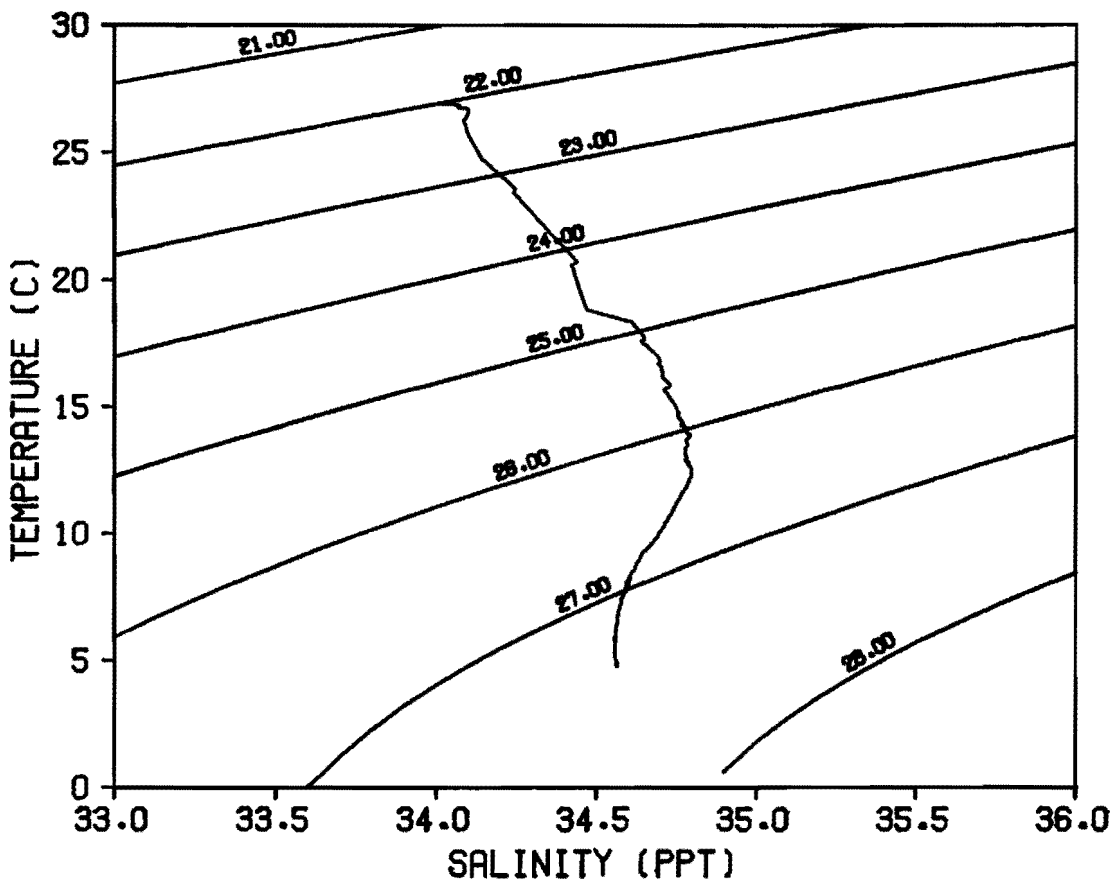


CAST 004 DATE 01 FEB 79 TIME 0922 GMT
 LAT 11 28.5N LONG 109 56.8W SEA STATE 3
 BAROMETER 12 WIND DIR 090 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 25.9 WET 23.3 DEPTH 3175 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	26.916	34.079	4.10	22.070	.000
10	26.917	34.081	4.25	22.071	.058
20	26.917	34.081	4.38	22.072	.173
30	26.919	34.081	4.29	22.071	.286
40	26.921	34.091	4.03	22.070	.329
50	24.085	34.535	2.41	22.948	.360
60	19.362	34.671	1.62	25.193	.386
70	15.542	34.766	1.16	25.669	.409
80	13.789	34.787	.70	25.932	.429
90	13.091	34.795	.53	26.083	.466
100	12.838	34.802	.52	26.230	.483
110	12.531	34.799	.51	26.348	.500
120	12.255	34.800	.50	26.422	.517
130	12.096	34.798	.49	26.471	.534
140	11.991	34.791	.47	26.474	.550
150	11.884	34.789	.48	26.453	.566
160	11.845	34.787	.48	26.457	.583
170	11.708	34.769	.48	26.441	.599
180	11.541	34.729	.31	26.557	.755
190	11.488	34.703	.20	26.697	.828
200	11.471	34.654	.20	26.787	.897
250	8.805	34.617	.19	26.869	.965
300	8.171	34.588	.19	26.945	1.025
350	8.036	34.582	.19	26.960	

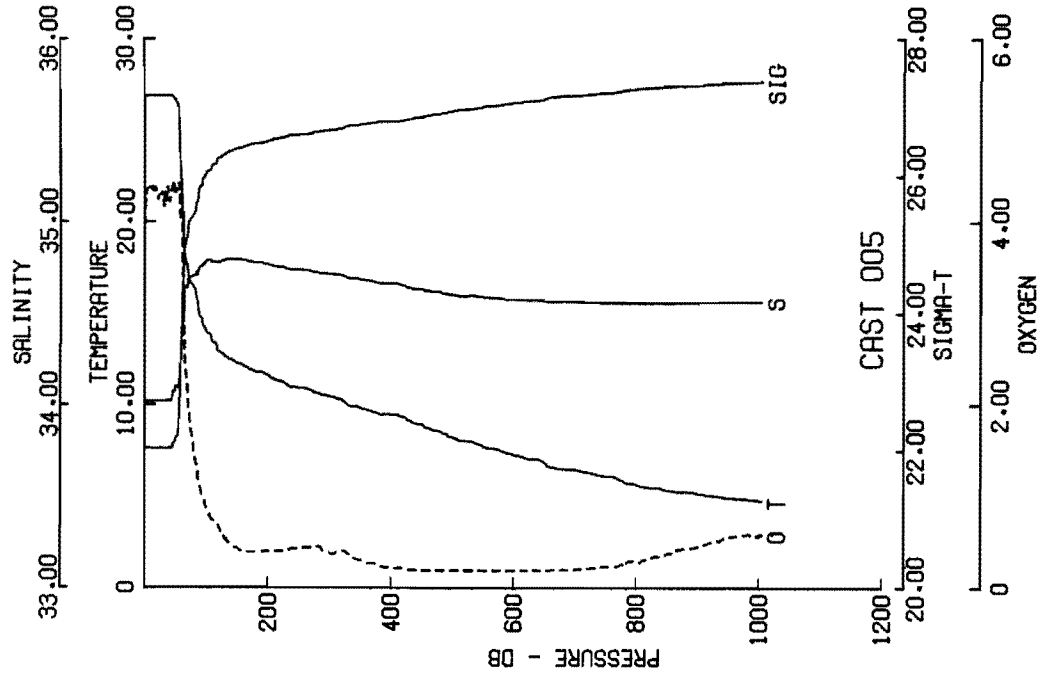


CAST EP2-79-DI-005 DATE 01 FEB 78 TIME 1258 GMT
LAT 11 00.2N LONG 109 58.0W

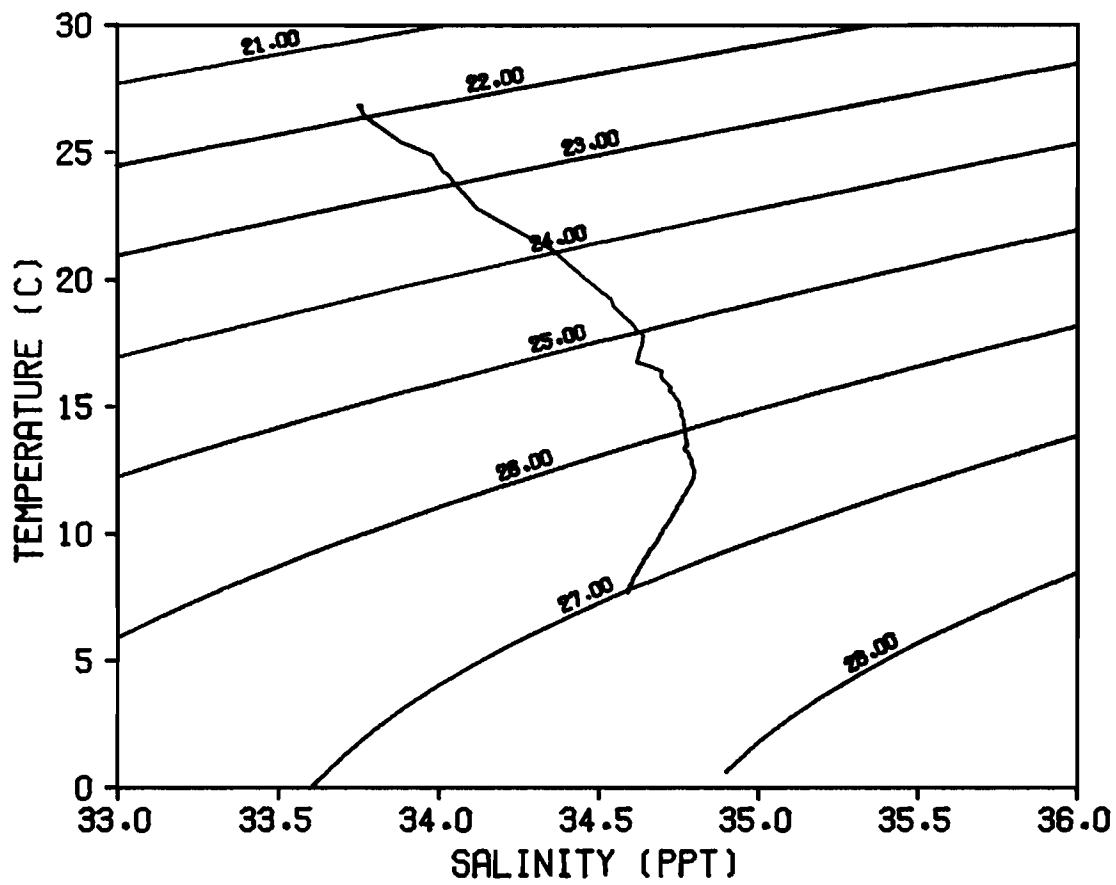


CAST EP2-79-01-005 DATE 01 FEB 78 TIME 1258 GMT
 LAT 11 00.2N LONG 109 58.0W SEA STATE 4
 BAROMETER 12 WIND DIR 050 T SPD 21 KT VISIBILITY 7
 CLOUD 6 AMOUNT 5 DRY 25.8 WET 22.9

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	26.896	34.007	4.15	22.023	.000
10	26.905	34.018	4.37	22.028	.058
20	26.907	34.019	4.31	22.029	.174
30	26.909	34.022	4.30	22.030	.230
40	26.726	34.094	4.32	22.142	.290
50	22.020	34.342	3.98	22.511	.376
60	17.575	34.640	3.08	22.546	.426
70	16.406	34.752	1.10	22.636	.448
80	14.828	34.784	.88	22.639	.467
100	13.980	34.778	.74	22.625	.486
110	13.431	34.794	.66	22.621	.504
120	12.651	34.797	.57	22.635	.521
130	12.495	34.797	.44	22.640	.538
140	12.258	34.797	.39	22.642	.554
150	12.118	34.786	.38	22.643	.571
160	11.937	34.780	.39	22.645	.619
170	11.796	34.779	.40	22.648	.646
180	11.755	34.771	.43	22.650	.769
190	11.618	34.774	.43	22.652	.840
200	11.021	34.719	.38	22.659	.973
250	9.474	34.666	.30	22.674	1.095
300	8.856	34.634	.22	22.689	1.151
350	8.944	34.605	.19	22.694	1.205
400	8.255	34.578	.19	22.705	1.256
450	7.733	34.571	.19	22.711	1.353
500	7.299	34.565	.23	22.717	1.441
550	6.875	34.561	.27	22.723	1.483
600	6.450	34.558	.37	22.728	1.524
650	6.111	34.558	.45	22.732	
700	5.333	34.558	.50	22.735	
750	5.170	34.565	.50	22.737	
800	4.918	34.565	.58	22.738	
850	4.772	34.565	.58	22.738	
900					
950					
1000					
1004					

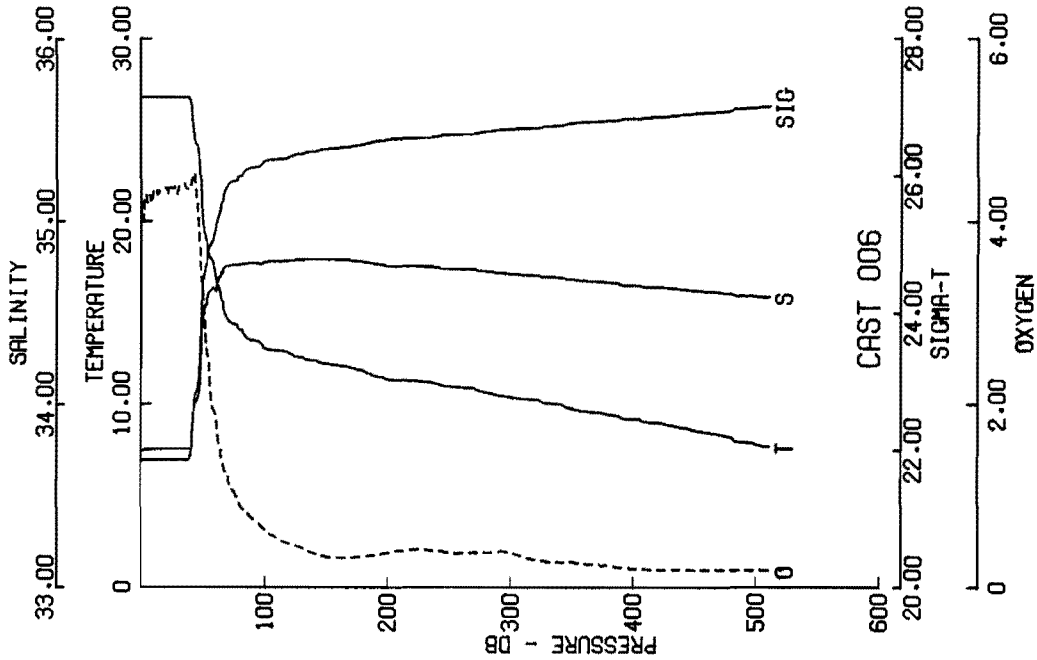


CAST EP2-79-DI-006 DATE 01 FEB 79 TIME 1744 GMT
LAT 10 33.0N LONG 109 58.6W

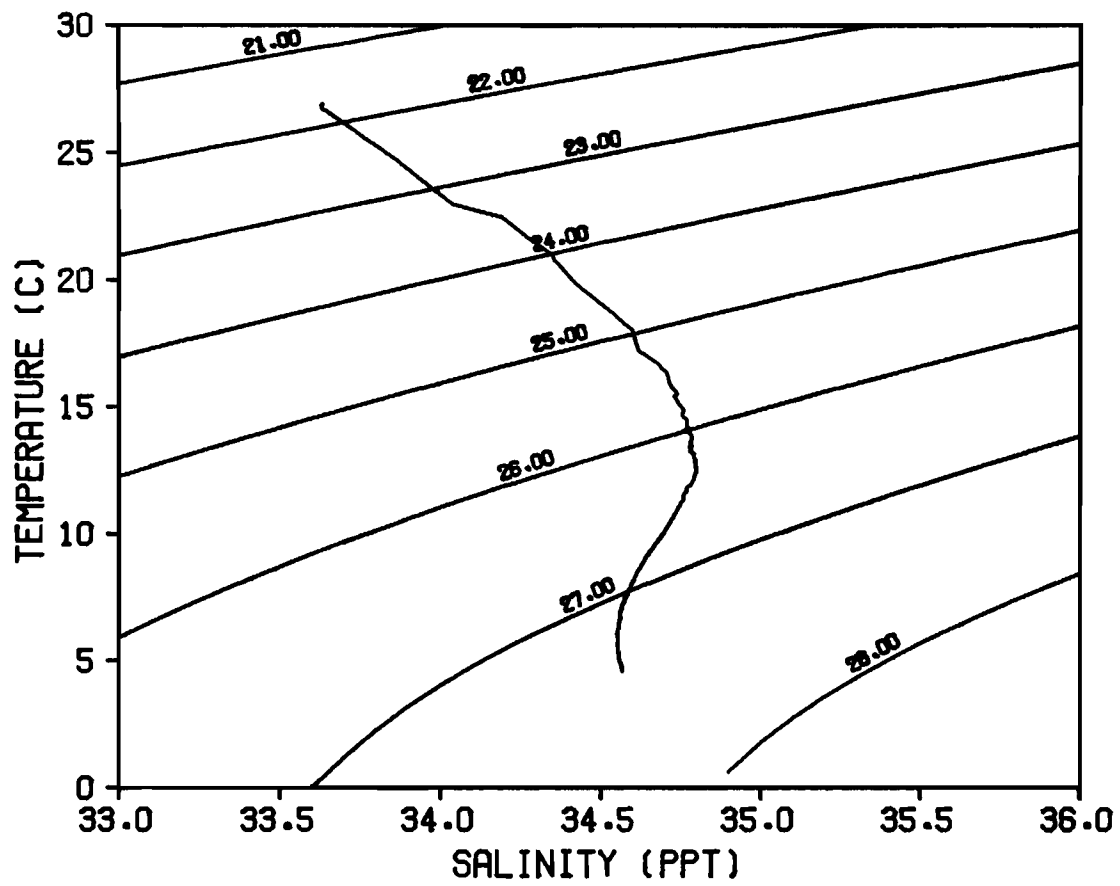


CAST EP2-79-DI-026 DATE 01 FEB 79 TIME 1744 GMT
 LAT 10 33.0N LONG 109 58.6W WEATHER 1 SEA STATE 0
 BAROMETER 13 WIND DIR 050 T SPD 20 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 26.7 WET 22.9 DEPTH 3270 M

PRFS (DB)	TEMP (C)	SAL (PPT)	DAY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	26.825	33.747	4.01	21.850	.000
10	26.827	33.748	4.34	21.850	.060
20	26.817	33.755	4.38	21.855	.179
30	26.819	33.757	4.36	21.860	.239
40	26.808	33.759	4.40	21.917	.289
50	17.118	34.458	3.20	24.366	.320
60	14.690	34.628	1.24	25.872	.344
70	14.124	34.760	1.09	25.992	.365
80	13.548	34.776	.75	25.992	.385
90	13.103	34.781	.64	26.120	.404
100	12.839	34.787	.54	26.253	.420
110	12.597	34.790	.47	26.331	.457
120	12.421	34.794	.43	26.300	.474
130	12.255	34.799	.33	26.418	.491
140	12.025	34.795	.32	26.418	.508
150	11.873	34.791	.33	26.463	.524
160	11.573	34.784	.33	26.510	.541
170	11.470	34.771	.36	26.539	.557
180	11.391	34.762	.38	26.581	.569
190	11.379	34.753	.38	26.681	.723
200	9.797	34.687	.20	26.764	.794
250	8.585	34.625	.19	26.835	.860
300	7.697	34.595	.18	26.919	.924
350				27.018	.984

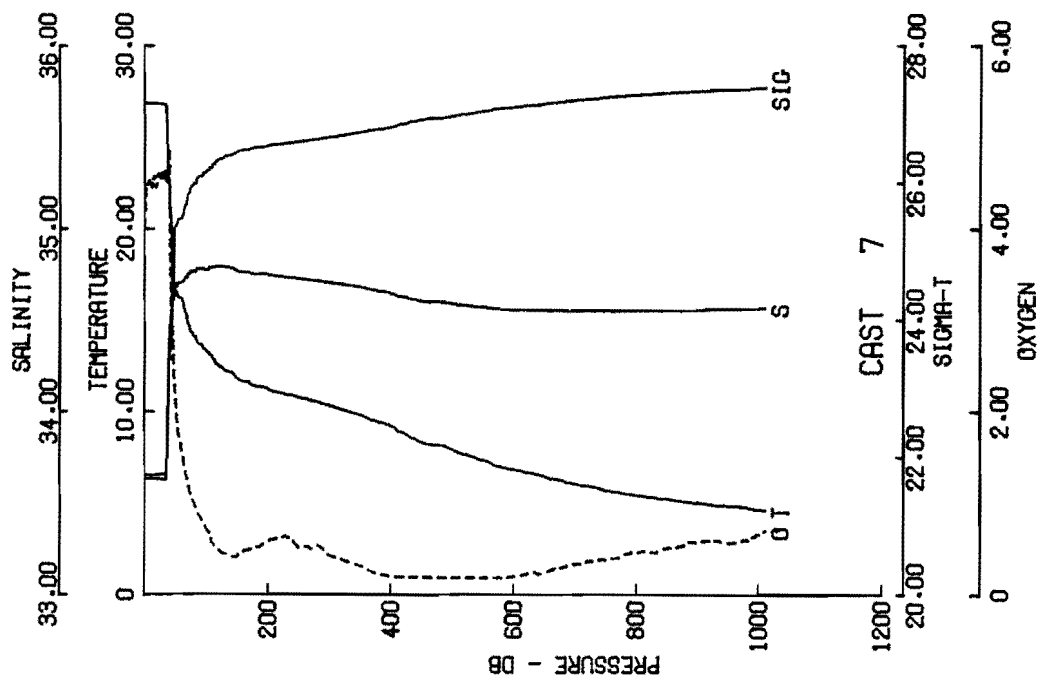


CAST EP2-79-DI-007 DATE 01 FEB 79 TIME 2137 GMT
LAT 10 01.6N LONG 109 59.6W

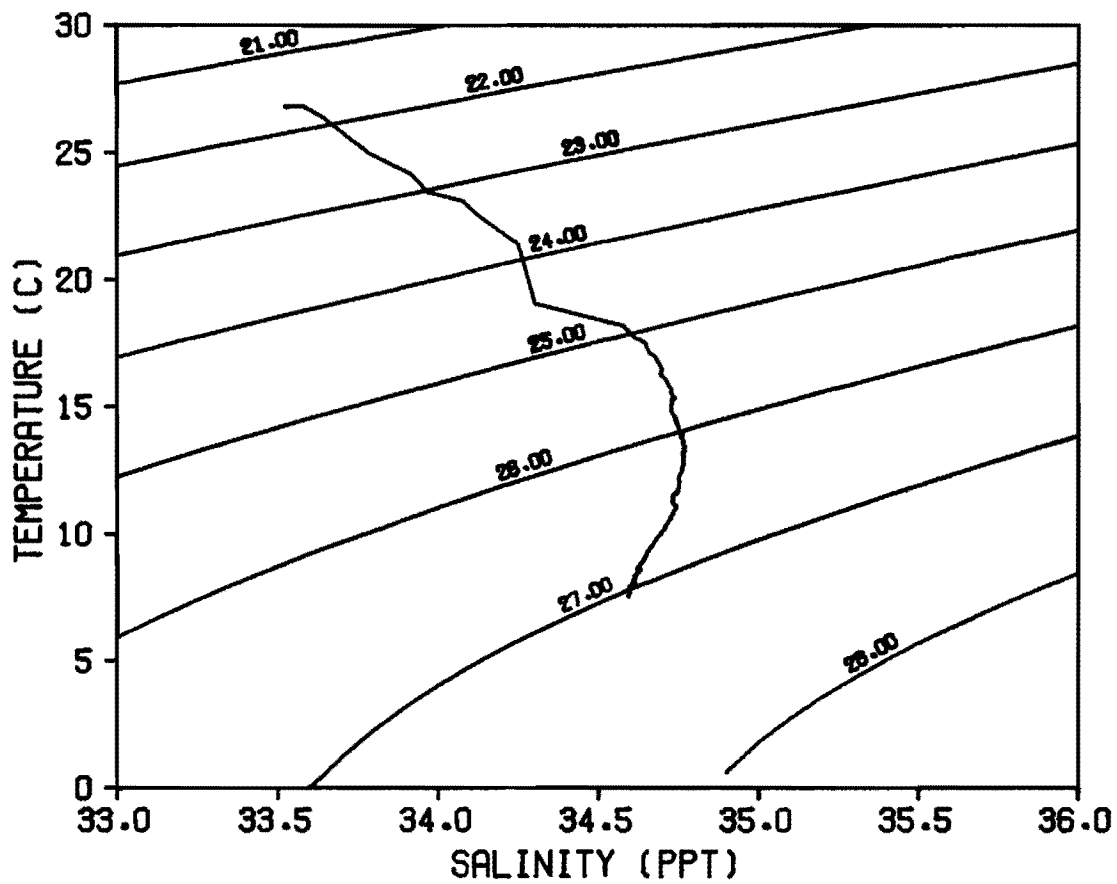


EP2-79-DI-007 DATE 01 FEB 79 TIME 2137 GMT
 LAT 10 01.6N LONG 109 59.6W WEATHER 1 SEA STATE 4
 BAROMETER 11 WIND DIR 045 T SPD 16 KT VISIBILITY 7
 CLOUD 8 AMOUNT 6 WET DRY 26.7 WET 23.8 DEPTH 3125 M

PRES (DB)	TEMP (C)	SAL (PPT)	DXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	9.08	33.633	4.20	21.737	.000
1	9.800	33.633	4.525	21.743	.061
10	8.879	33.631	4.458	21.746	.182
30	8.411	34.184	2.18	21.503	.274
40	6.64	34.711	1.26	22.548	.299
50	2.325	34.777	1.02	26.000	.323
60	1.54	34.779	.86	26.150	.344
70	1.195	34.795	.57	26.342	.364
80	1.003	34.792	.43	26.488	.420
90	1.248	34.778	.49	26.523	.453
100	1.693	34.766	.53	26.528	.486
110	1.642	34.757	.54	26.538	.507
120	1.415	34.760	.58	26.529	.513
130	1.375	34.755	.52	26.681	.524
140	1.284	34.713	.43	26.751	.697
150	1.820	34.687	.20	26.930	.838
160	1.857	34.610	.19	26.922	.957
170	1.287	34.576	.19	27.023	1.014
180	1.642	34.561	.10	27.160	1.068
190	1.083	34.553	.33	27.260	1.169
200	1.451	34.555	.46	27.313	1.261
250	1.225	34.558	.57	27.343	1.308
300	1.025	34.563	.70	27.364	1.348
350	1.845	34.567	.70	27.394	1.389
400	1.611	34.567	.70	27.398	1.430

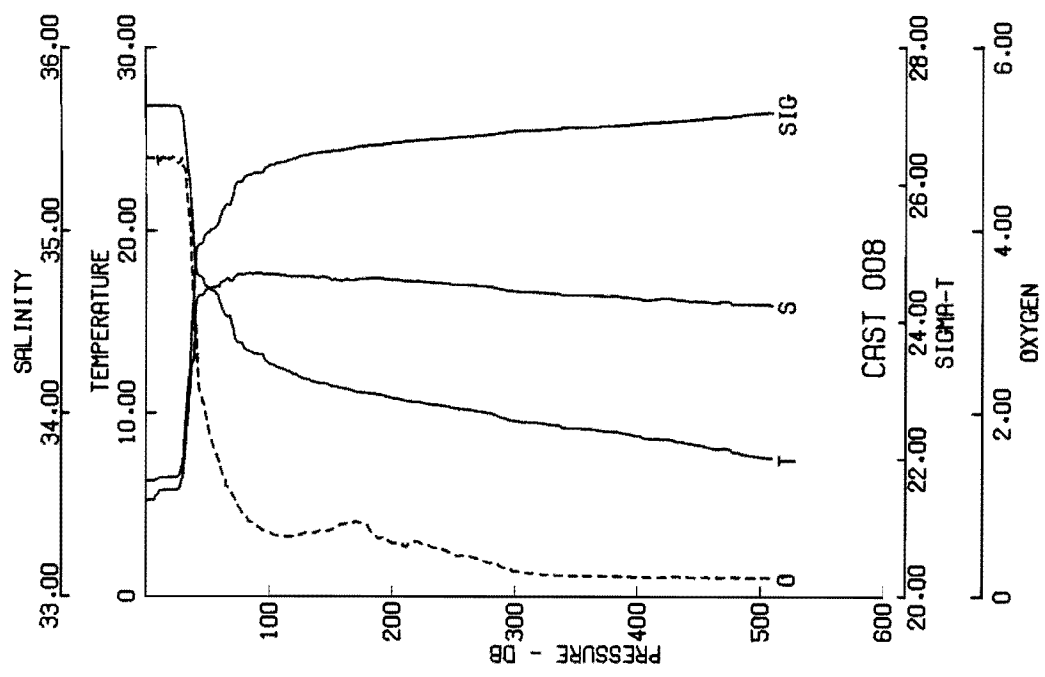


CAST EP2-79-DI-008 DATE 02 FEB 79 TIME 0237 GMT
LAT 09 30.5N LONG 110 00.1W

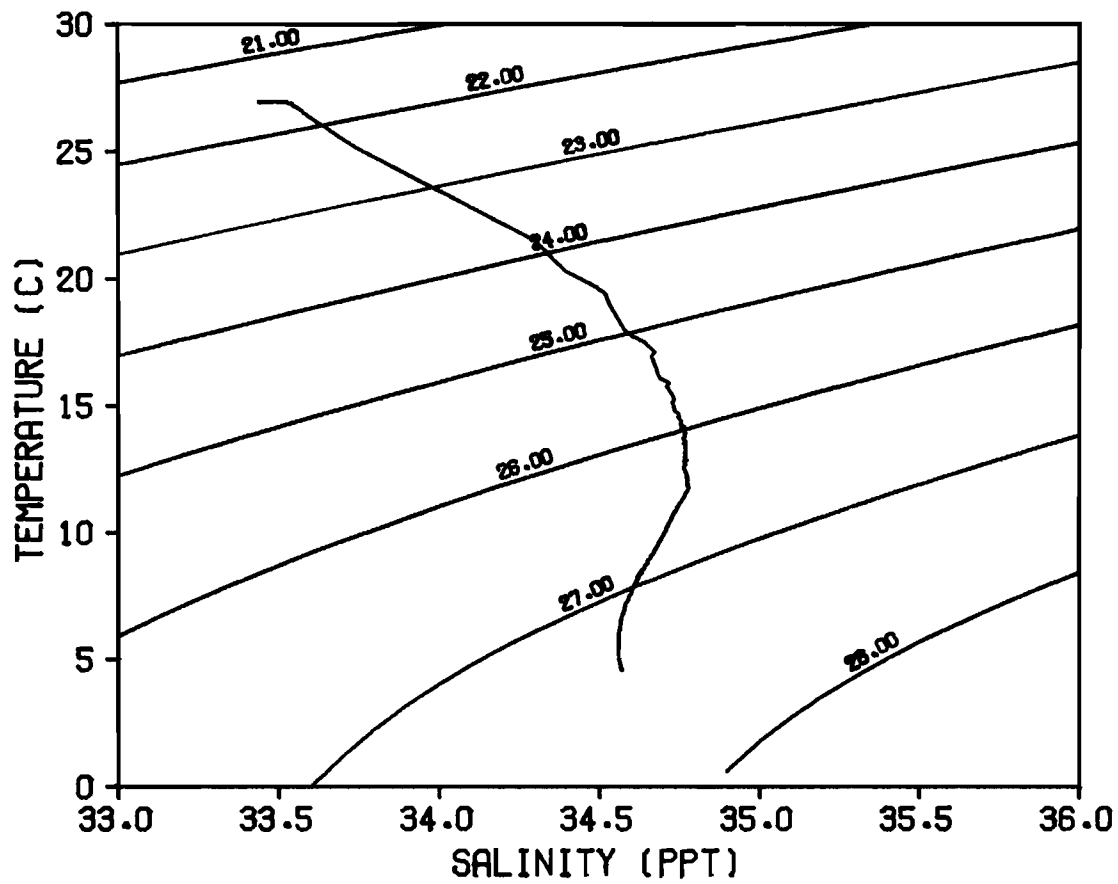


CAST EP2-79-DI-008 DATE 02 FEB 79 TIME 0237 GMT
 LAT 09 30.5N LONG 110 00.1W SEA STATE 4
 BAROMETER AMOUNT 4 WIND DIR 120 T SPD 11 KT VISIBILITY 7
 CLOUD 6 WET 26.4 WET 23.9 DEPTH 3500 M

TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTAM (DYN-M)
26.808	33.523	4.81	21.687	.000
26.821	33.560	4.79	21.711	.061
26.850	33.581	4.70	21.731	.122
26.891	33.976	3.00	21.918	.229
16.895	34.680	1.40	25.319	.283
14.799	34.727	1.12	25.822	.307
13.578	34.763	.97	26.180	.346
12.512	34.769	.70	26.285	.364
12.449	34.759	.66	26.333	.382
12.158	34.751	.66	26.436	.415
11.669	34.752	.72	26.470	.431
11.535	34.743	.79	26.488	.447
11.373	34.729	.62	26.515	.463
11.193	34.733	.62	26.550	.479
11.101	34.741	.64	26.573	.494
11.024	34.742	.59	26.589	.509
10.837	34.732	.47	26.614	.524
10.382	34.709	.28	26.678	.566
9.880	34.671	.23	26.785	.662
8.858	34.650	.21	26.834	.751
8.241	34.630	.21	26.886	.795
7.590	34.613	.21	26.953	.856
7.528	34.595	.20	27.037	.914

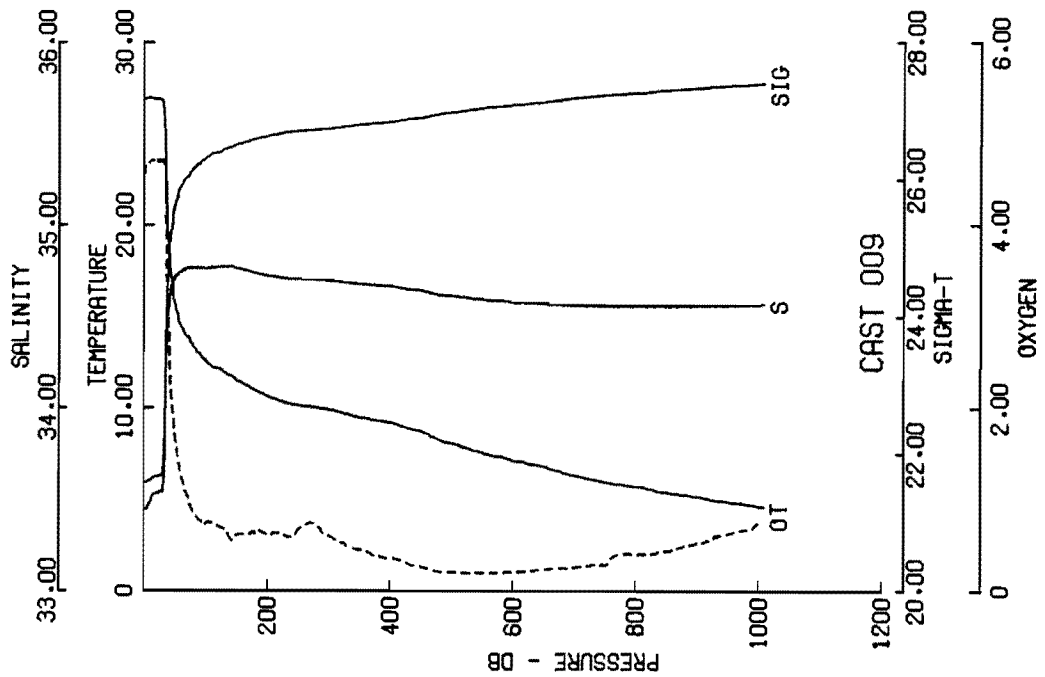


CAST EP2-79-DI-009 DATE 02 FEB 79 TIME 0632 GMT
LAT 08 59.8N LONG 110 00.4W

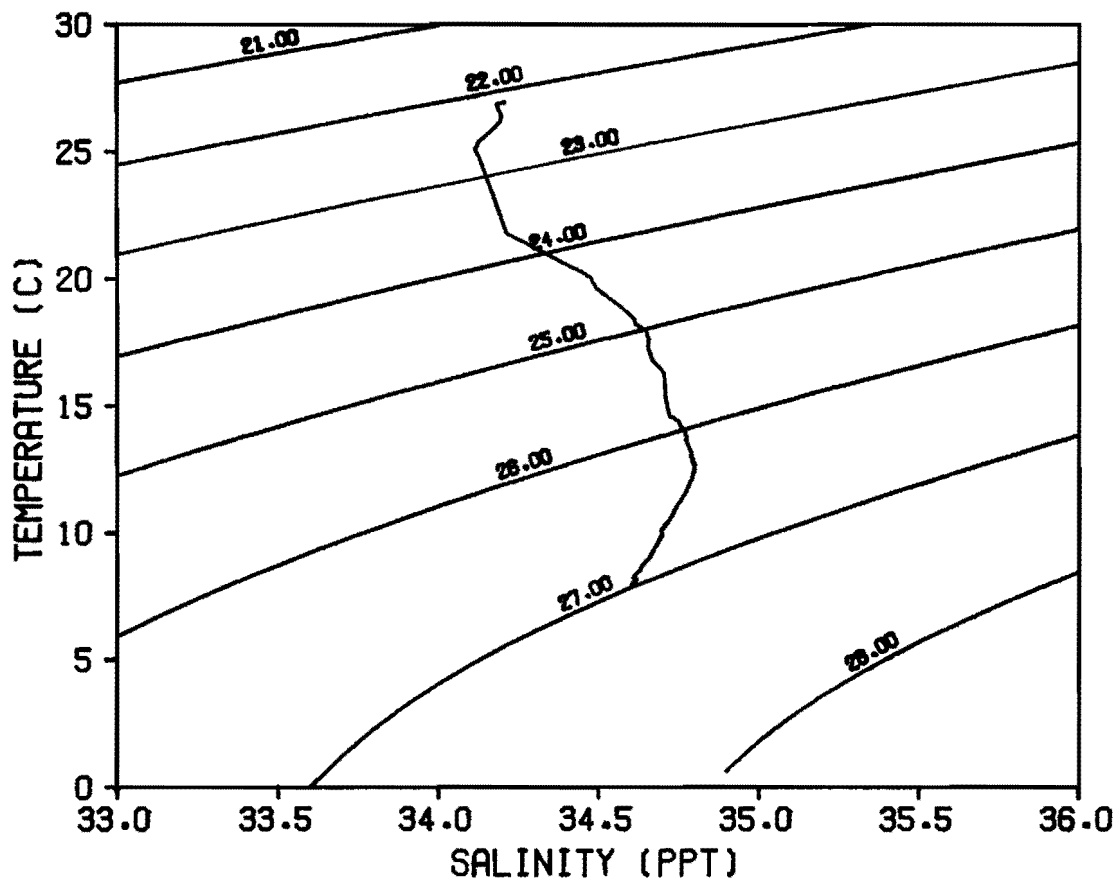


CAST EP2-79-DI-009 DATE 02 FEB 79 TIME 0632 GMT
 LAT 08 59.8N LONG 110 00.4W WEA THER 1 TIME A STAIR 3
 BAROMETER 13 WIND DIR 130 T SPD 12 KT VISIBILITY 7
 CLOUD 6 AMOUNT 2 WET DRY 26.4 WET 23.9 DEPTH 3836 M

DEPTH (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	26.954	33.441	4.47	21.579	.000
10	26.956	33.448	4.41	21.580	.024
20	26.909	33.353	4.69	21.660	.186
30	26.881	33.323	4.08	21.978	.264
40	19.390	33.219	3.06	22.572	.287
50	15.881	34.748	1.82	22.585	.308
60	13.948	34.765	1.06	26.148	.327
70	13.411	34.768	.87	26.227	.346
80	13.023	34.769	.77	26.306	.364
90	12.612	34.765	.73	26.374	.381
100	12.246	34.773	.71	26.400	.398
110	11.942	34.776	.68	26.444	.414
120	11.798	34.778	.68	26.473	.430
130	11.515	34.776	.68	26.519	.446
140	11.389	34.755	.62	26.535	.462
150	11.211	34.739	.65	26.594	.477
160	10.905	34.729	.61	26.641	.492
170	10.675	34.710	.66	26.717	.507
180	10.417	34.693	.60	26.807	.521
190	9.228	34.683	.60	26.899	.621
200	8.771	34.617	.60	26.979	.728
250	8.095	34.617	.60	27.080	.794
300	7.611	34.581	.60	27.182	.857
350	6.834	34.576	.60	27.287	.918
400	6.350	34.561	.60	27.389	1.030
450	5.957	34.561	.60	27.488	1.083
500	5.706	34.561	.60	27.584	1.134
550	5.418	34.561	.60	27.675	1.183
600	5.148	34.561	.60	27.764	1.229
650	4.884	34.561	.60	27.850	1.275
700	4.618	34.561	.60	27.932	1.318
750	4.358	34.561	.60	28.011	1.360
800	4.098	34.561	.60	28.087	1.401
850	3.838	34.561	.60	28.161	1.440
900	3.578	34.561	.60	28.232	1.479
950	3.318	34.561	.60	28.301	1.518
1000	3.058	34.561	.60	28.368	1.557
1009	2.798	34.561	.60	28.434	1.596

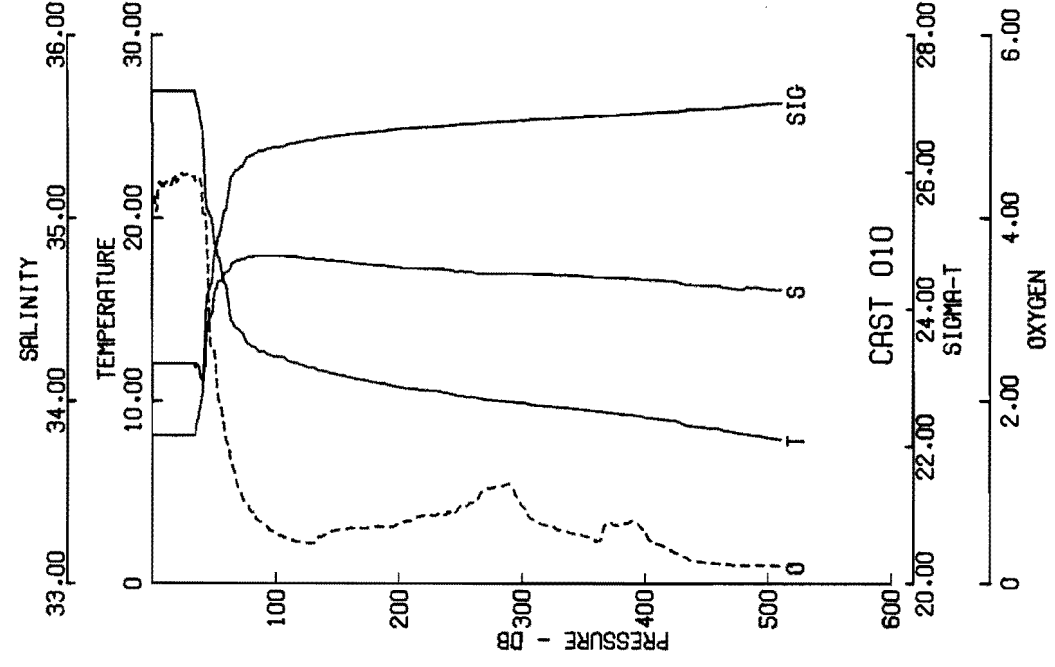


CAST EP2-79-DI-010 DATE 02 FEB 79 TIME 1130 GMT
LAT 08 30.ON LONG 110 00.0W

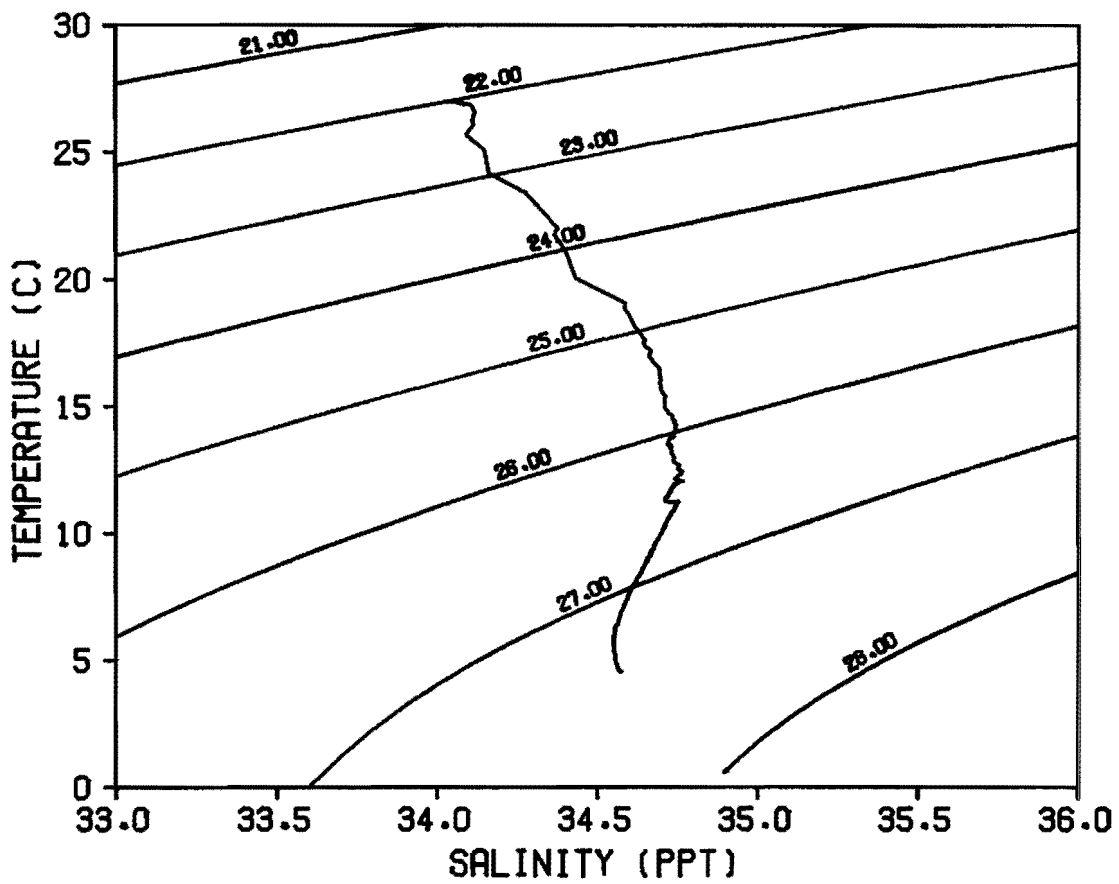


CAST EP2-79-DI-010 DATE 02 FEB 79 TIME 1130 GMT
 LAT 08 30.0N LONG 110 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 150 T SPD 12 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 25.8 WET 23.2 DEPTH 3930 M

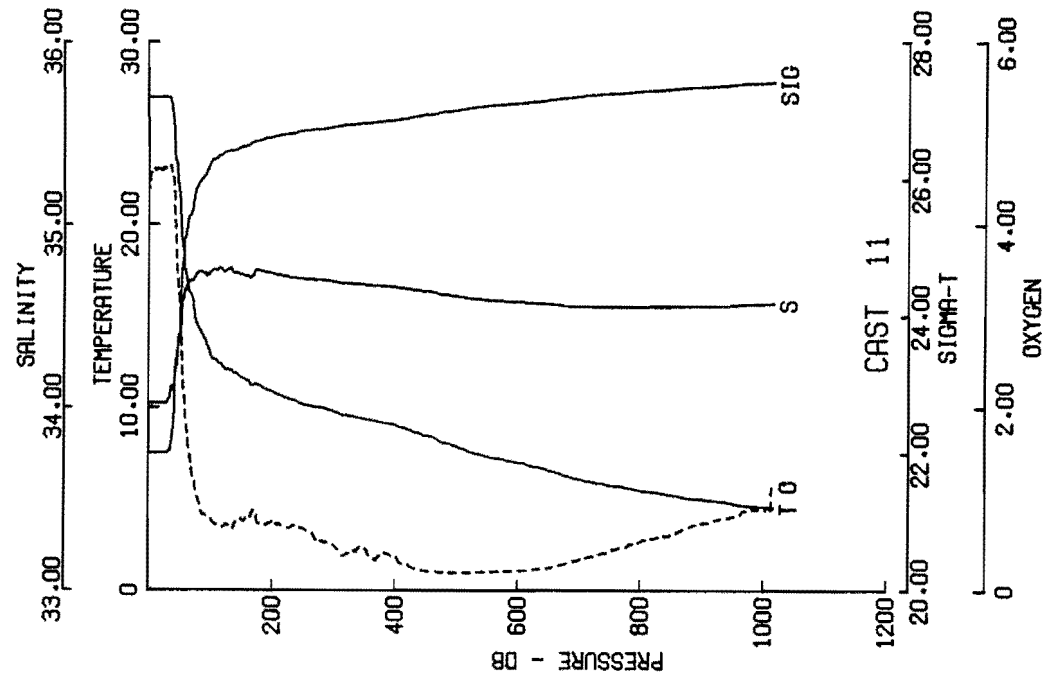
TEMP (C)	SAL (PPT)	DKY (ML/L)	SIG-T	DELTA-M (DYN-M)
26.922	34.204	4.09	22.163	.000
26.922	34.205	4.22	22.163	.057
26.927	34.206	4.39	22.163	.170
25.931	34.206	4.47	22.161	.226
18.845	34.115	4.37	22.175	.264
16.256	34.575	4.56	22.180	.294
13.901	34.770	1.04	25.048	.316
13.026	34.789	.79	26.042	.335
12.697	34.800	.64	26.316	.352
12.442	34.800	.54	26.366	.370
12.194	34.787	.46	26.408	.386
12.001	34.781	.44	26.471	.403
11.822	34.774	.44	26.502	.419
11.629	34.774	.59	26.531	.435
11.156	34.758	.61	26.557	.466
11.027	34.744	.62	26.590	.481
10.905	34.736	.63	26.606	.496
10.786	34.731	.66	26.627	.511
10.898	34.711	.85	26.695	.526
9.506	34.681	.86	26.753	.597
9.087	34.662	.56	26.805	.734
8.517	34.630	.23	26.824	.799
7.959	34.606	.19	26.991	.822
7.891	34.605	.19	27.000	.822



CAST EP2-79-DI-011 DATE 02 FEB 79 TIME 1515 GMT
LAT 07 59.6N LONG 109 59.6W

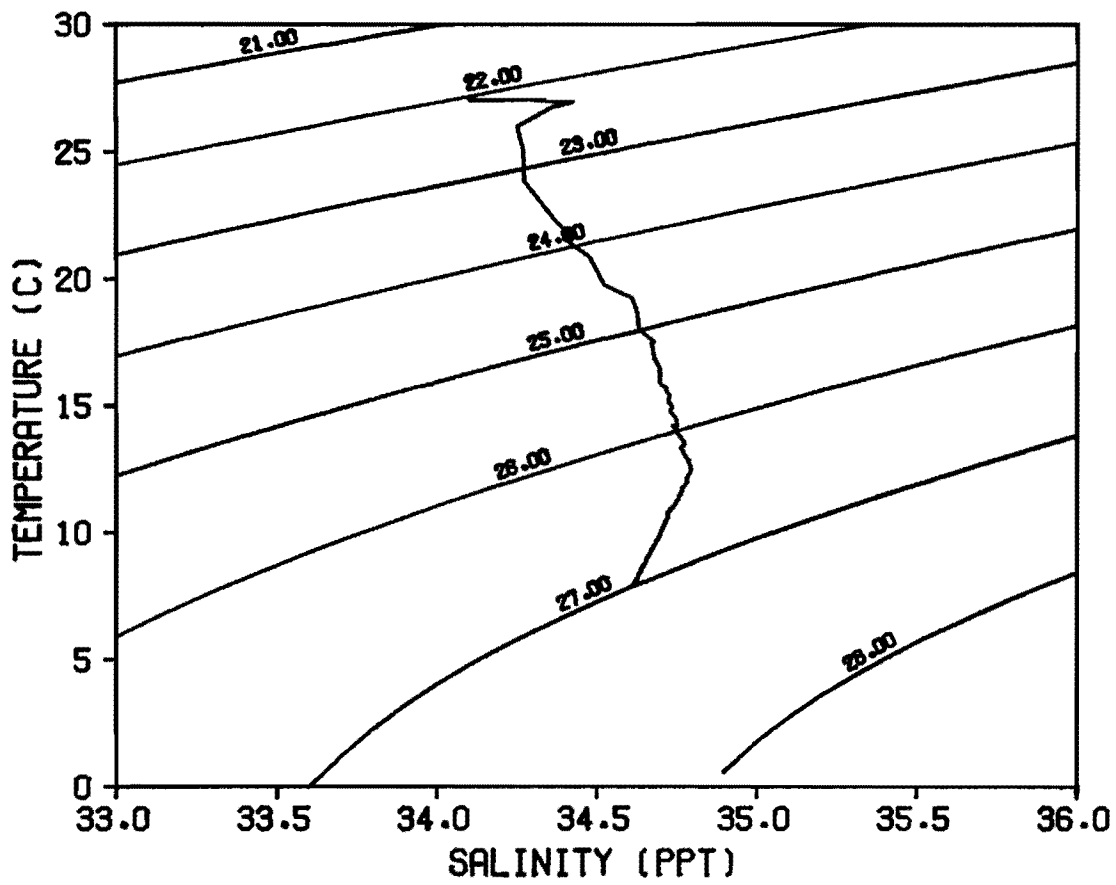


CAST EP2-79-DI-011 DATE 02 FEB 79 TIME 1515 GMT
 LAY 07 59.0N LONG 109 59.6W WEATHER 1 SEA STATE 1
 BAROMETER 12 WIND DIR 130 T SPD 07 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 WET DRY 26.5 MET 23.4 DEPTH 3630 M



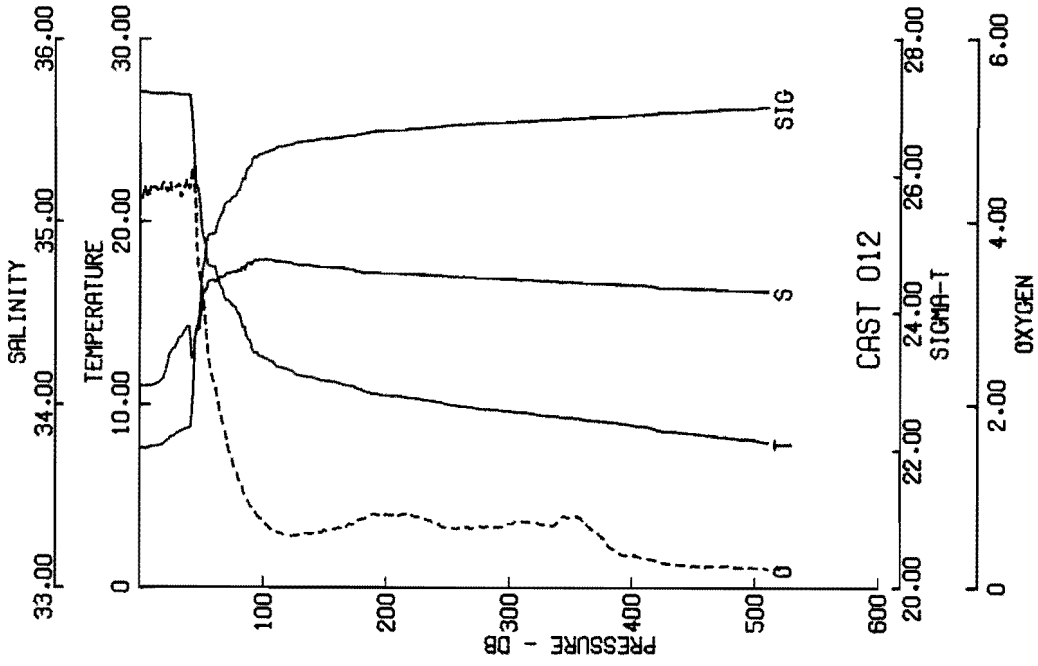
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	9.82	34.02	4.33	22.00	0.00
10	9.89	34.02	4.61	22.00	0.58
20	9.91	34.02	4.63	22.00	1.17
30	9.98	34.02	4.67	22.00	1.75
40	10.08	34.03	4.57	22.00	2.32
50	10.36	34.04	4.20	22.37	2.80
60	10.57	34.06	3.95	22.55	3.14
70	10.74	34.09	3.71	22.55	3.40
80	10.85	34.12	3.51	22.55	3.63
90	10.82	34.14	3.39	22.60	3.84
100	10.96	34.17	3.29	22.60	4.03
110	10.98	34.17	3.22	22.66	4.21
120	10.97	34.17	3.16	22.66	4.38
130	10.92	34.17	3.11	22.66	4.55
140	10.87	34.17	3.06	22.66	4.72
150	10.82	34.17	3.01	22.66	4.88
160	10.77	34.17	2.97	22.66	5.04
170	10.73	34.17	2.93	22.66	5.20
180	10.71	34.17	2.90	22.66	5.35
190	10.70	34.17	2.88	22.66	5.50
200	10.69	34.17	2.87	22.66	5.65
250	10.62	34.17	2.82	22.66	6.07
300	10.52	34.17	2.75	22.66	6.70
350	10.43	34.17	2.68	22.66	7.52
400	10.34	34.17	2.61	22.66	8.61
450	10.25	34.17	2.54	22.66	9.99
500	10.16	34.17	2.47	22.66	11.73
550	10.07	34.17	2.40	22.66	13.89
600	9.98	34.17	2.33	22.66	16.59
650	9.89	34.17	2.26	22.66	19.94
700	9.80	34.17	2.19	22.66	24.06
750	9.71	34.17	2.12	22.66	29.07
800	9.62	34.17	2.05	22.66	35.11
850	9.53	34.17	1.98	22.66	42.34
900	9.44	34.17	1.91	22.66	50.81
950	9.35	34.17	1.84	22.66	60.57
1000	9.26	34.17	1.77	22.66	71.74
1016	9.26	34.17	1.77	22.66	74.07

CAST EP2-79-DI-012 DATE 02 FEB 79 TIME 2031 GMT
LAT 07 29.0N LONG 109 58.3W

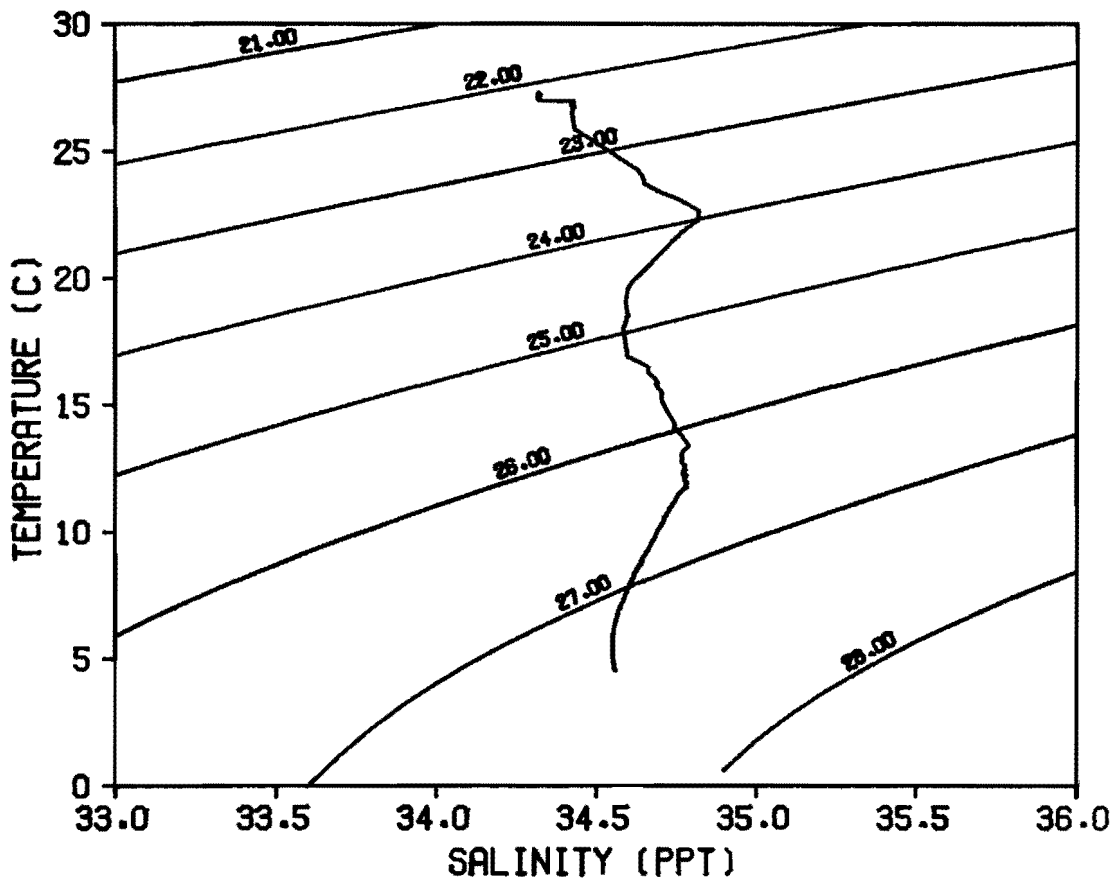


CAST EP2-79-01-012 DATE U2 FEB 79 TIME 2031 GMT
 LAT 07 29.0N LONG 109 58.3W SEA STATE 2
 BAROMETER 12 WIND DIR 000 T SPD 00 KT VISIB 18
 CLOUD 8 AMOUNT 3 DRY 28.0 WET 24.0 DEPTH 3684 M

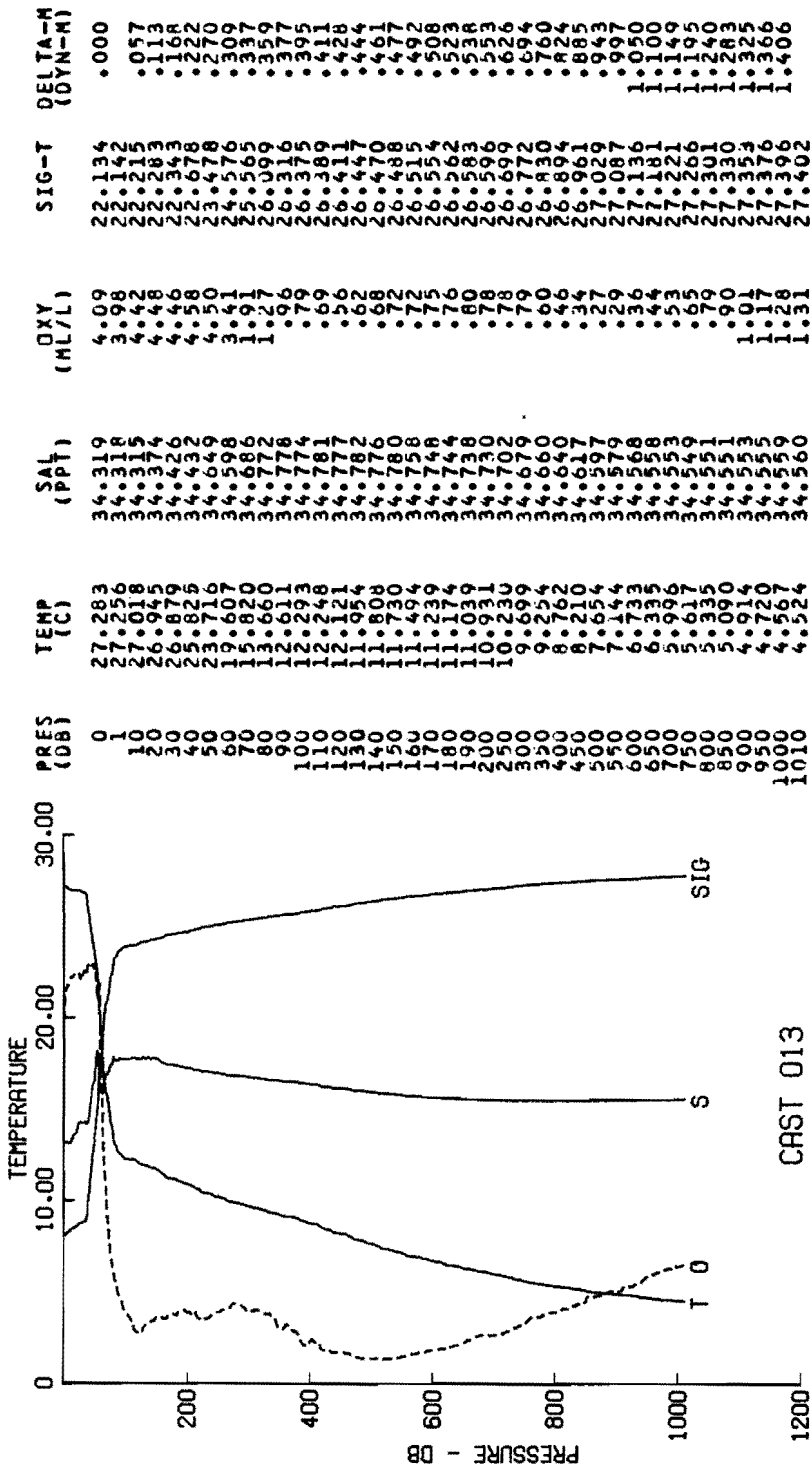
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-CM)
0	27.126	34.101	4.33	22.026	.000
10	27.109	34.102	4.326	22.026	.058
20	27.088	34.103	4.337	22.026	.112
30	27.068	34.104	4.337	22.026	.172
40	26.992	34.130	4.336	22.235	.274
50	26.941	34.423	4.330	22.480	.304
60	19.516	34.681	3.222	23.163	.330
70	17.688	34.717	1.188	23.792	.353
80	14.972	34.736	.861	23.758	.373
90	13.341	34.763	.721	26.340	.408
100	12.320	34.780	.617	26.453	.424
110	11.131	34.778	.59	26.504	.450
120	11.901	34.765	.60	26.527	.471
130	11.579	34.761	.63	26.587	.486
140	11.472	34.750	.70	26.587	.501
150	11.295	34.744	.75	26.650	.516
160	11.029	34.723	.81	26.650	.531
170	10.795	34.719	.86	26.663	.545
180	10.609	34.710	.90	26.673	.560
190	10.507	34.687	.97	26.673	.575
200	10.017	34.671	.97	26.688	.589
250	9.836	34.654	.96	26.688	.612
300	8.876	34.632	.96	26.688	.633
350	8.402	34.620	.96	26.688	.654
400	8.072	34.616	.96	26.688	.673
420	8.072	34.616	.96	26.688	.688
450	7.936	34.616	.96	26.688	.712
500	7.936	34.616	.96	26.688	.733
510	7.936	34.616	.96	26.688	.754



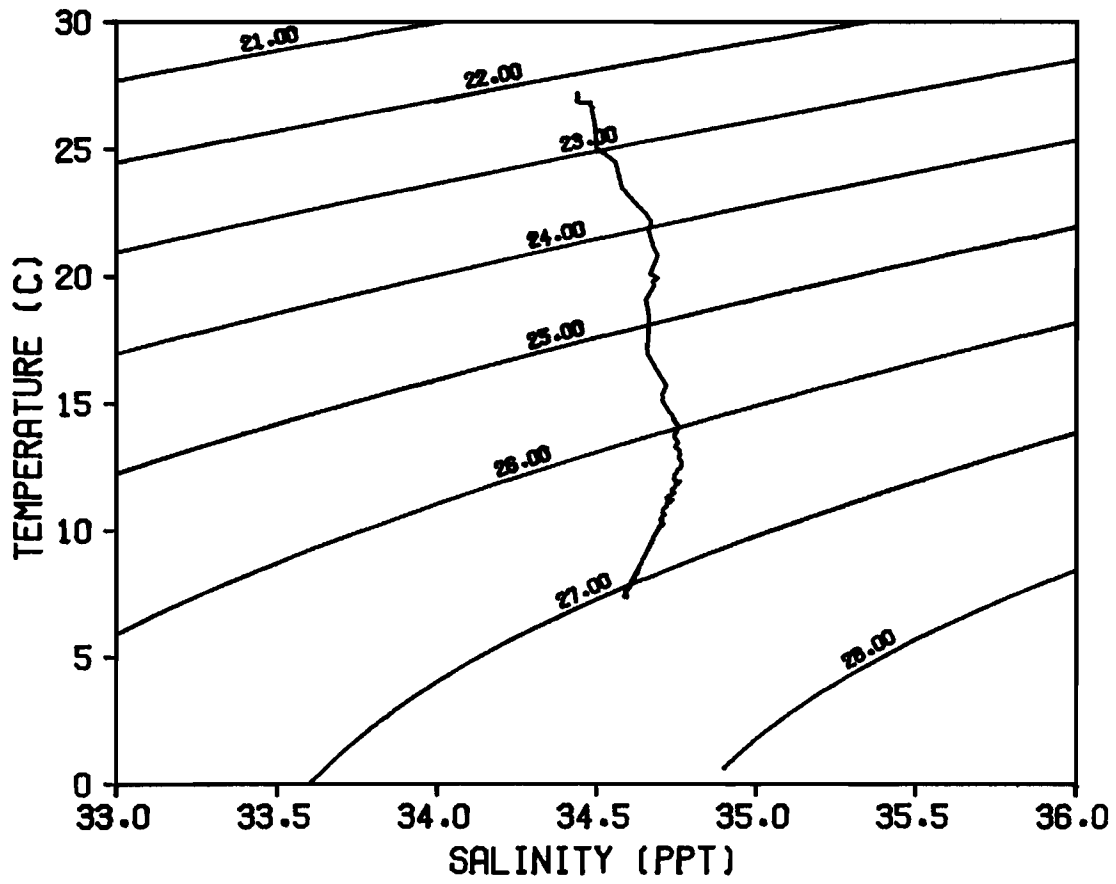
CAST EP2-79-DI-013 DATE 03 FEB 79 TIME 0008 GMT
LAT 06 58.1N LONG 109 59.6W



CAST EP2-79-DI-013 DATE 03 FEB 79 TIME 0008 GMT
 LAT 06 58.1N LONG 109 59.6W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND 00 KT SPD 00 KT VISIBILITY 7
 CLOUD 6 AMOUNT 5 WET DRY 26.5 WET 23.5 DEPTH 3658 M

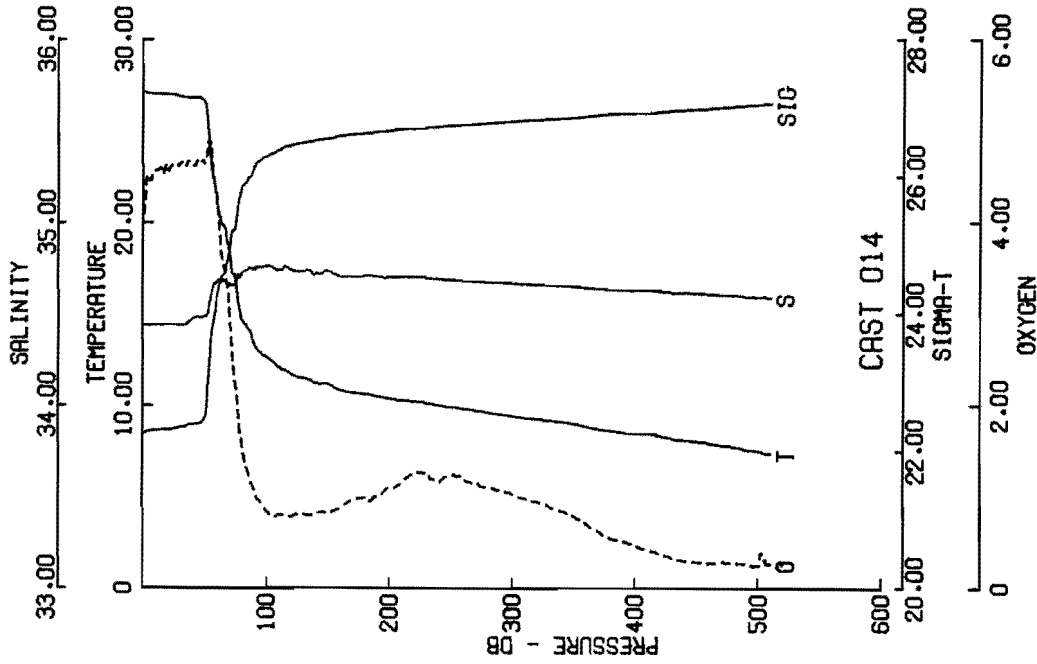


CAST EP2-79-DI-014 DATE 03 FEB 79 TIME 0430 GMT
LAT 06 30.3N LONG 110 00.9W

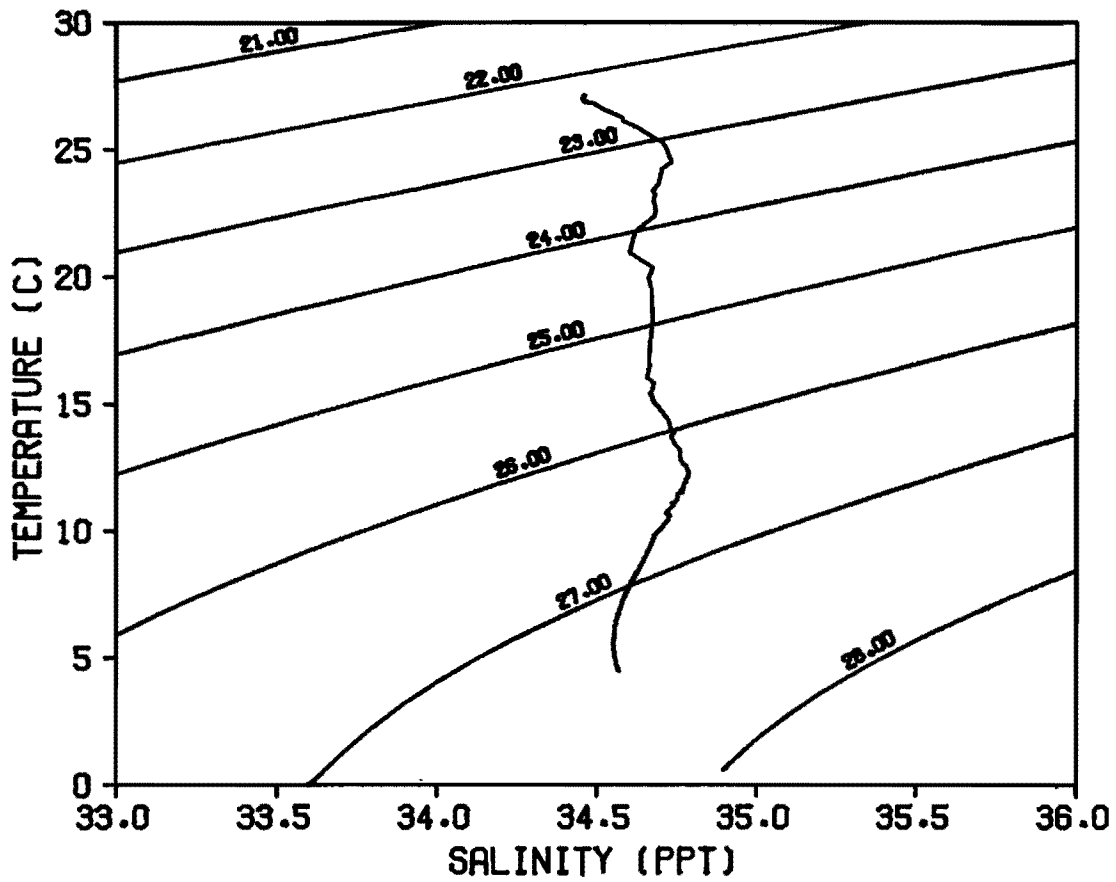


CAST EP2-79-DI-U14 DATE 03 FEB 79 TIME 0430 GMT
 LAT 06 30.3N LONG 110 00.9W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DR 170 T SPD 08 KT VISIBILITY 7
 CLOUD 7 AMOUNT 6 DRY 26.6 WET 22.6 DEPTH 3500 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	27.174	34.440	4.16	22.258	.000
10	27.174	34.440	4.27	22.258	.056
20	27.039	34.440	4.61	22.318	.166
30	27.016	34.438	4.65	22.391	.276
40	26.825	34.467	4.31	22.442	.355
50	26.094	34.679	3.02	25.820	.361
60	18.687	34.725	1.89	26.136	.402
70	13.422	34.755	.80	26.391	.437
80	12.093	34.745	.78	26.462	.454
90	11.731	34.735	.81	26.499	.470
100	11.487	34.725	.82	26.544	.485
110	11.212	34.714	.88	26.590	.500
120	10.995	34.708	.90	26.620	.515
130	10.701	34.712	.99	26.637	.545
140	10.422	34.705	1.00	26.658	.559
150	10.385	34.689	1.00	26.674	.573
160	9.918	34.689	1.23	26.689	.643
170	9.423	34.652	1.79	26.805	.774
180	8.001	34.633	.48	26.865	.836
190	8.025	34.614	.25	26.987	.895
200	7.487	34.588	.27	27.065	.952

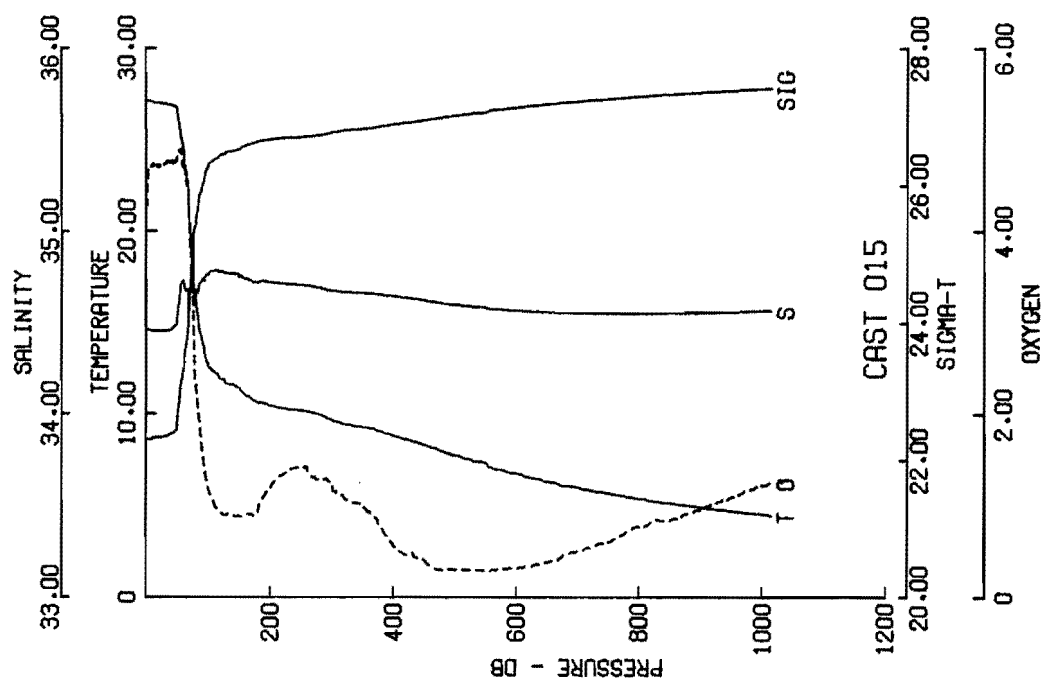


CAST EP2-79-DI-015 DATE 03 FEB 78 TIME 0809 GMT
LAT 06 00.0N LONG 110 00.0W

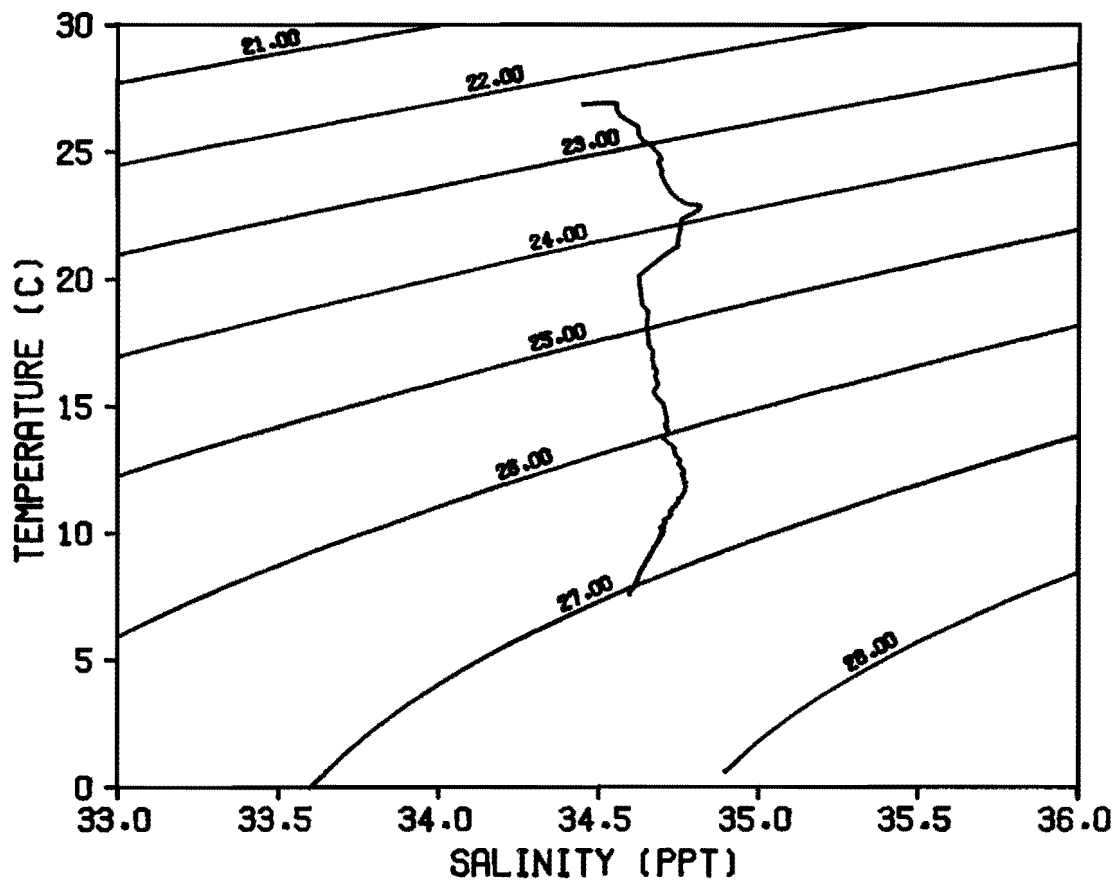


CAST EP2-79-DI-015 DATE 03 FEB 79 TIME 0809 GMT
 LAT 06 00.0N LONG 110 00.0W WEATHER 5 SEA STATE 3
 BAROMETER 13 WIND DR 150 T SPD 05 KT VISIBILITY 7
 CLOUD AMOUNT 6 WET 23.5 MET 22.6 DEPTH 3610 M

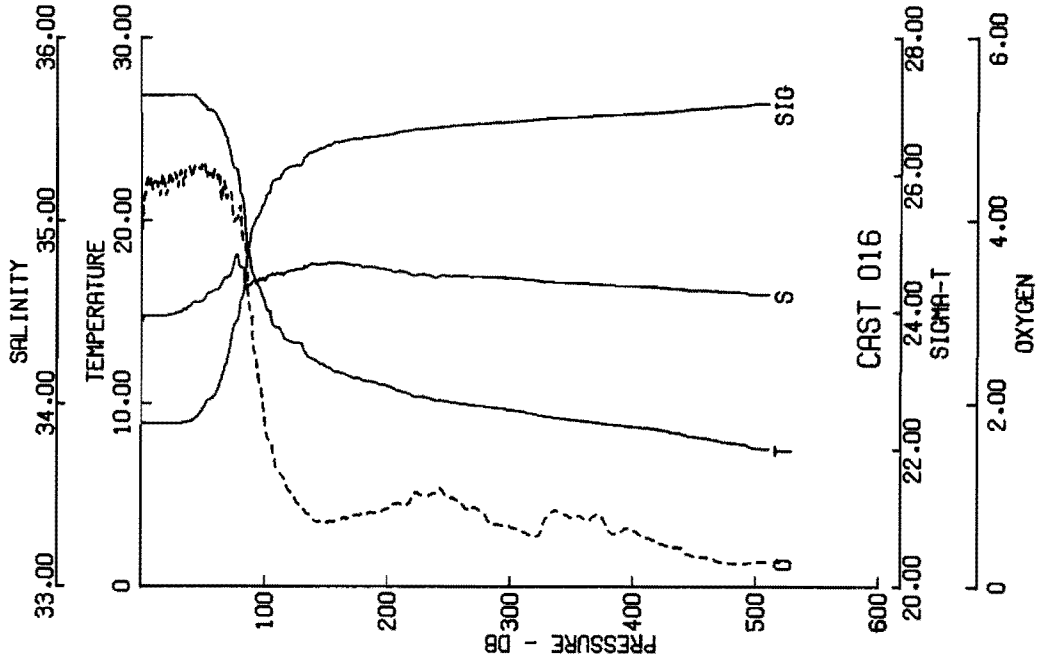
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	27.114	34.461	4.30	22.294	.000
10	27.114	34.457	4.273	22.308	.055
20	27.065	34.457	4.273	22.327	.111
30	26.969	34.457	4.273	22.339	.166
40	26.887	34.463	4.275	22.365	.221
50	26.756	34.472	4.278	22.436	.326
60	26.904	34.604	4.216	22.426	.368
70	16.428	34.627	4.236	22.549	.399
80	12.837	34.722	4.268	22.549	.422
90	12.837	34.762	1.224	22.623	.459
100	12.350	34.785	1.095	22.642	.475
110	11.971	34.773	.89	22.648	.491
120	11.708	34.773	.89	22.652	.507
130	11.627	34.772	.89	22.652	.523
140	11.453	34.758	.89	22.652	.538
150	11.084	34.732	.91	22.652	.553
160	10.884	34.732	.91	22.652	.568
170	10.650	34.720	.93	22.652	.582
180	10.595	34.725	1.180	22.670	.596
190	10.482	34.710	1.180	22.677	.611
200	10.210	34.680	1.203	22.687	.626
250	8.317	34.665	1.258	22.694	.641
300	8.844	34.645	1.300	22.701	.656
350	8.343	34.620	1.300	22.701	.671
400	7.754	34.588	1.300	22.701	.686
450	7.365	34.571	1.300	22.701	.701
500	6.325	34.556	1.300	22.701	.716
550	5.889	34.553	1.300	22.701	.731
600	5.396	34.553	1.300	22.701	.746
650	5.163	34.558	1.300	22.701	.761
700	4.743	34.561	1.300	22.701	.776
750	4.562	34.567	1.226	22.701	.791
800			1.022	22.701	.806
850			1.022	22.701	.821
900			1.022	22.701	.836
950			1.022	22.701	.851
1000			1.022	22.701	.866
1014			1.022	22.701	.881



CAST EP2-79-01-016 DATE 03 FEB 79 TIME 1212 GMT
LAT 05 23.9N LONG 109 59.5W

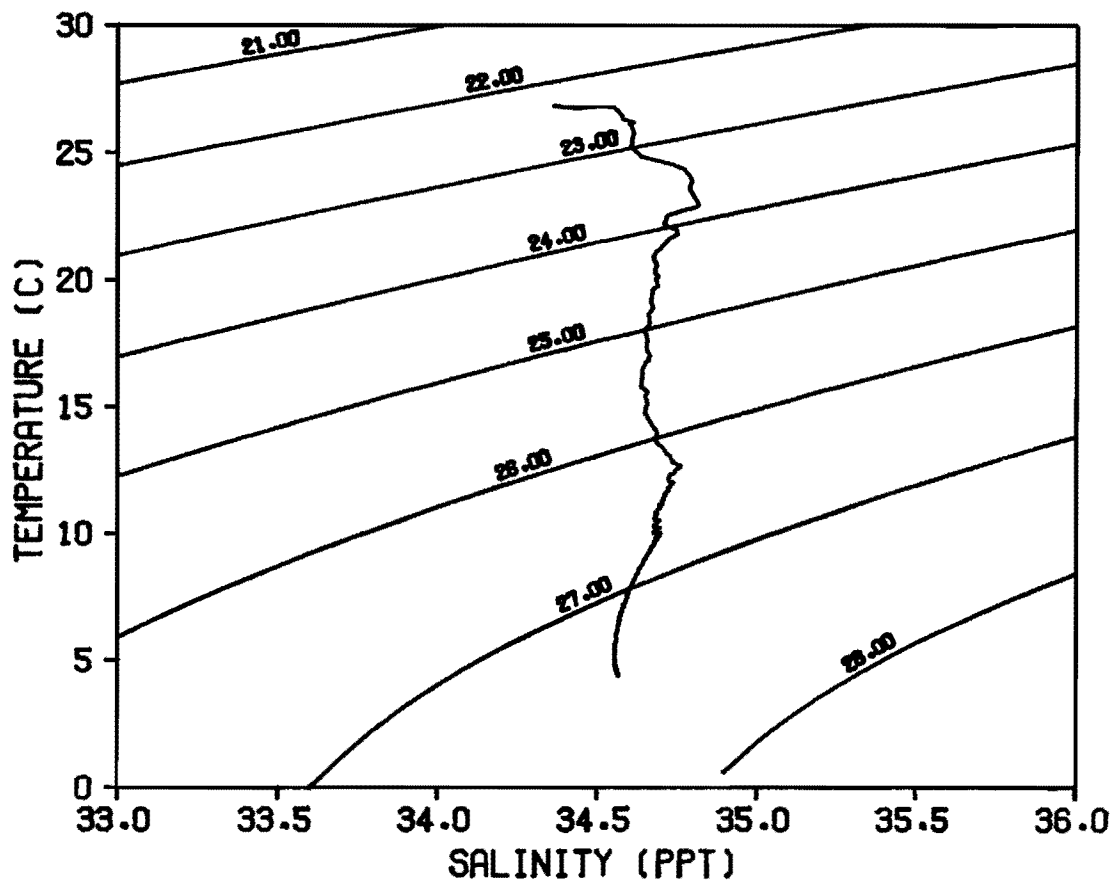


CAST EP2-79-01-016 DATE 03 FEB 79 TIME 1212 GMT
 LAT 05 23.9N LONG 109 59.5W SEA STATE 3
 BAROMETER 12 WIND DIR 215 T SPD 13.4 VIS 8.0
 CLOUD 6 AMOUNT 6 DRY 24.2 WET 23.0 DEPTH 5913 M



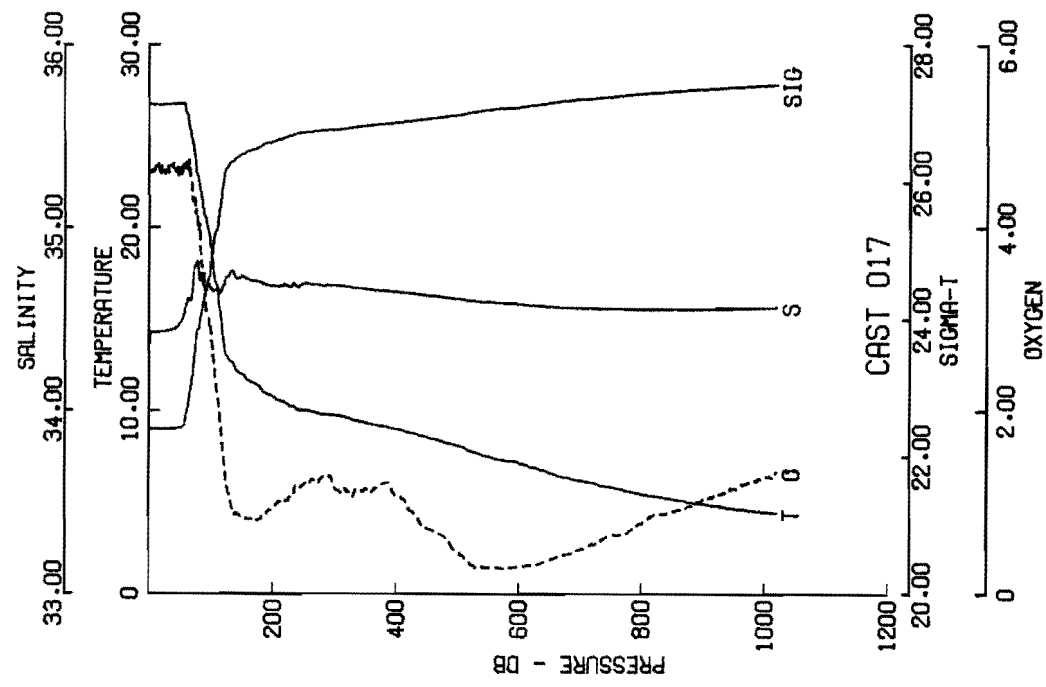
PKES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	26.868	34.463	4.02	23.375	.000
10	26.851	34.452	3.939	22.368	.055
20	26.886	34.482	4.237	22.383	.109
30	26.890	34.483	4.355	22.389	.164
40	26.924	34.537	4.55	22.412	.219
50	26.910	34.500	4.95	22.502	.273
60	24.250	34.698	4.30	22.792	.324
70	21.558	34.750	4.175	23.348	.373
80	21.168	34.669	4.83	24.168	.415
90	11.518	34.672	1.29	25.023	.474
100	11.186	34.729	1.05	25.046	.496
110	13.431	34.737	.87	26.113	.516
120	12.423	34.768	.73	26.152	.533
130	12.023	34.769	.70	26.344	.553
140	11.728	34.773	.73	26.424	.570
150	11.468	34.771	.78	26.482	.586
160	11.285	34.748	.80	26.548	.601
170	11.085	34.734	.85	26.564	.618
180	10.919	34.689	.97	26.591	.633
190	9.147	34.689	.67	26.713	.648
200	8.170	34.663	.63	26.781	.720
250	8.104	34.646	.54	26.850	.788
300	7.561	34.623	.34	26.899	.853
350	7.539	34.598	.27	26.969	.916
400			.27	27.043	.977
450				27.046	1.034
500					
510					

CAST EP2-79-DI-017 DATE 03 FEB 79 TIME 1608 GMT
LAT 05 00.9N LONG 110 00.2W

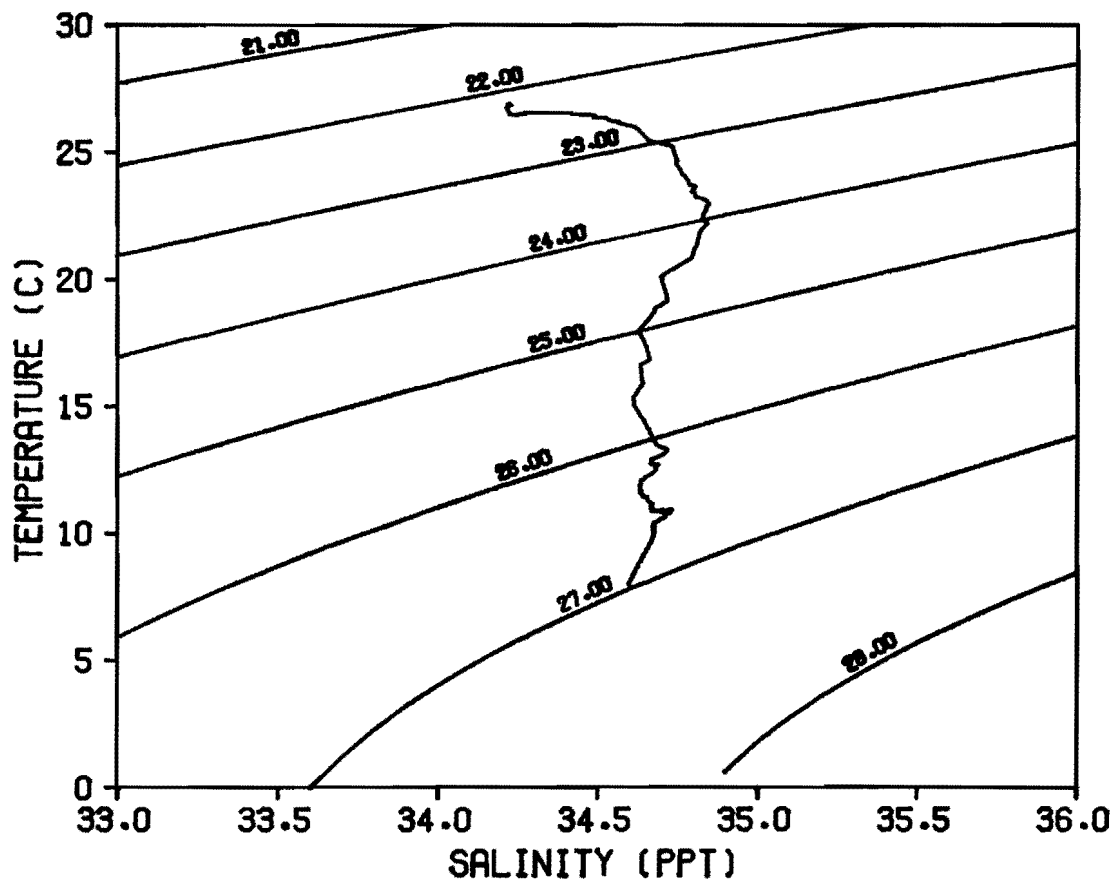


CAST EP2-79-DI-017 DATE 03 FEB 79 TIME 1608 GMT
 LAT 05 00.9N LONG 110 00.2W SEA STATE 3
 BAROMETER 14 WIND DIR 320 T WEATHER 1 VISIBILITY 7
 CLOUD 2 AMOUNT 4 DRY 27.0 WET 24.0 DEPTH 3856 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	26.788	34.394	4.58	2.346	.000
10	26.823	34.366	4.60	2.316	.055
20	26.725	34.431	4.64	2.296	.109
30	26.726	34.432	4.66	2.297	.164
40	26.751	34.446	4.66	2.299	.218
50	26.766	34.475	4.65	2.293	.273
60	26.440	34.575	4.73	2.259	.328
70	22.734	34.634	4.96	2.313	.460
80	20.658	34.776	3.96	2.385	.460
90	18.864	34.681	3.22	2.482	.460
100	18.826	34.660	2.21	2.570	.460
110	13.925	34.687	1.52	2.593	.523
120	12.720	34.750	1.08	2.627	.566
130	12.233	34.725	.88	2.649	.604
140	11.999	34.740	.82	2.645	.617
150	11.660	34.711	.80	2.641	.633
160	11.682	34.702	.88	2.632	.649
170	11.232	34.691	.88	2.622	.679
180	10.772	34.684	.93	2.628	.716
190	10.027	34.687	1.19	2.676	.816
200	9.760	34.667	1.14	2.681	.886
250	8.363	34.651	1.07	2.695	.950
300	8.383	34.632	.72	2.691	.950
350	8.102	34.613	.46	2.697	1.013
400	7.506	34.596	.29	2.704	1.130
450	7.148	34.570	.37	2.711	1.185
500	6.619	34.565	.49	2.717	1.237
550	6.349	34.561	.76	2.720	1.287
600	5.472	34.556	.89	2.725	1.334
650	4.911	34.557	.83	2.730	1.380
700	4.660	34.560	1.03	2.735	1.424
750	4.410	34.557	1.15	2.740	1.466
800		34.556	1.33	2.745	1.510
850		34.557		2.750	1.548
900		34.557		2.755	
950		34.557		2.760	
1000		34.557		2.765	
1019		34.557		2.770	

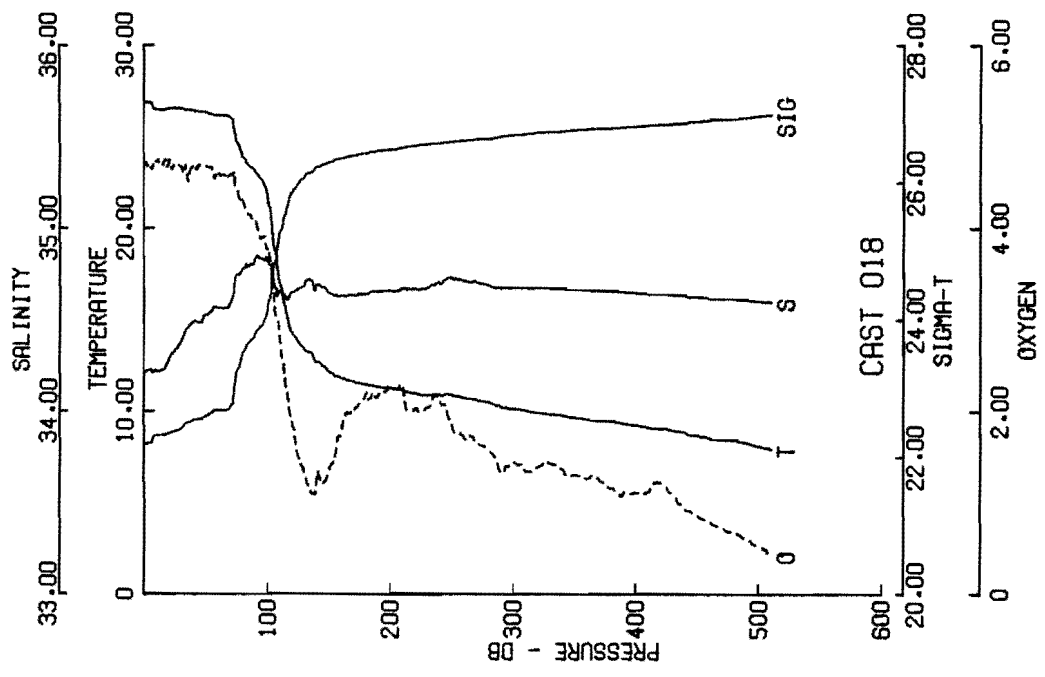


CAST EP2-79-DI-018 DATE 03 FEB 79 TIME 2035 GMT
LAT 04 29.1N LONG 109 59.6W

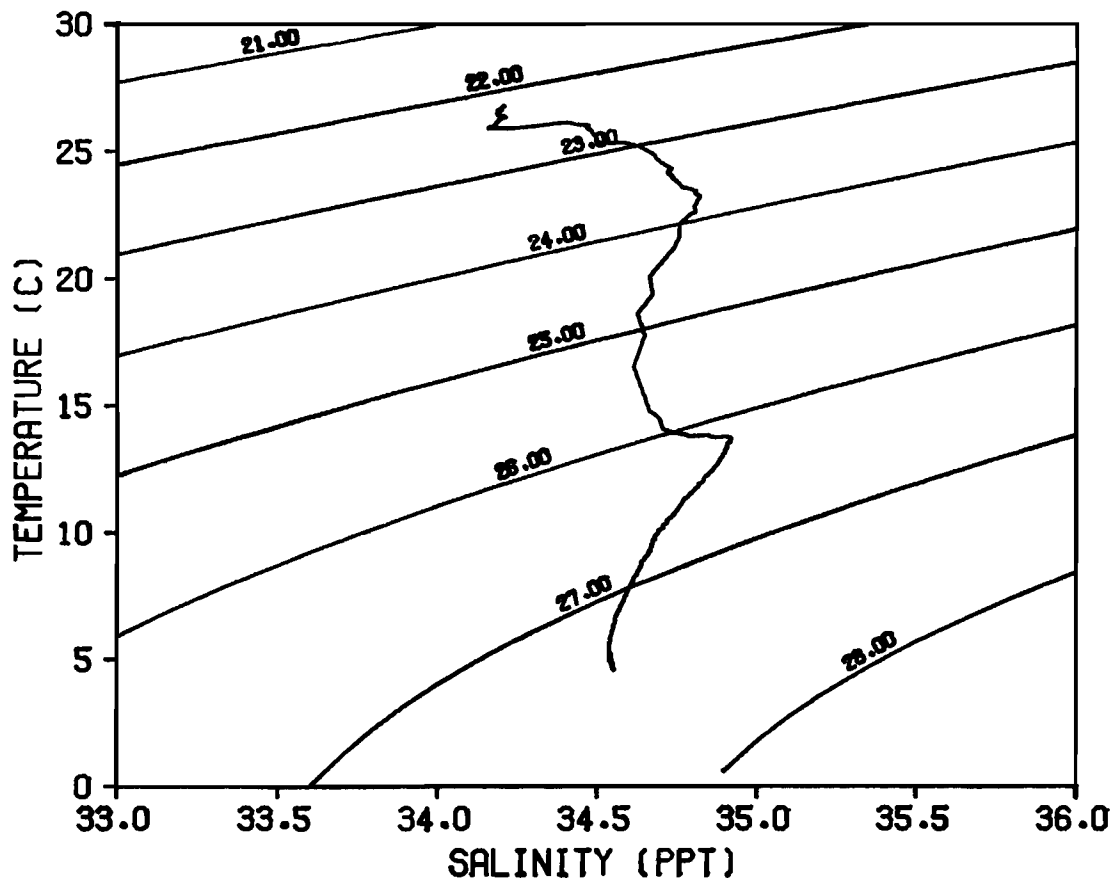


CAST EP2-79-DI-018 DATE 03 FEB 79 TIME 2035 GMT
 LAT 04 29.1N LONG 109 59.6W SEA STATE 3
 BAROMETEK 12 WIND DIR 285 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 29.3 WET 24.2 DEPTH 3855 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	26.914	34.219	4.72	22.177	.000
10	26.871	34.212	4.70	22.188	.056
20	26.498	34.222	4.72	22.310	.111
30	26.531	34.275	4.67	22.340	.166
40	26.555	34.377	4.67	22.409	.223
50	26.428	34.492	4.68	22.535	.273
60	26.333	34.527	4.63	22.679	.326
70	26.150	34.596	4.58	22.734	.378
80	23.129	34.784	4.30	22.819	.428
90	21.869	34.819	4.17	22.935	.508
100	17.027	34.857	3.84	23.052	.541
110	14.364	34.647	1.91	23.182	.566
120	13.722	34.688	1.13	23.254	.597
130	12.205	34.688	1.13	23.324	.626
140	11.828	34.631	1.13	23.456	.641
150	11.634	34.635	1.02	23.553	.658
160	11.472	34.641	2.19	23.624	.675
170	11.349	34.655	2.16	23.739	.691
180	11.284	34.659	2.23	23.842	.707
190	11.094	34.734	1.86	23.977	.758
200	10.179	34.669	1.30	24.067	.828
250	9.261	34.669	1.17	24.200	.928
300	8.685	34.625	1.07	24.320	.995
350	8.094	34.625	.53	24.467	1.059
400	7.936	34.595	.42	24.606	1.120
450					
500					
510					

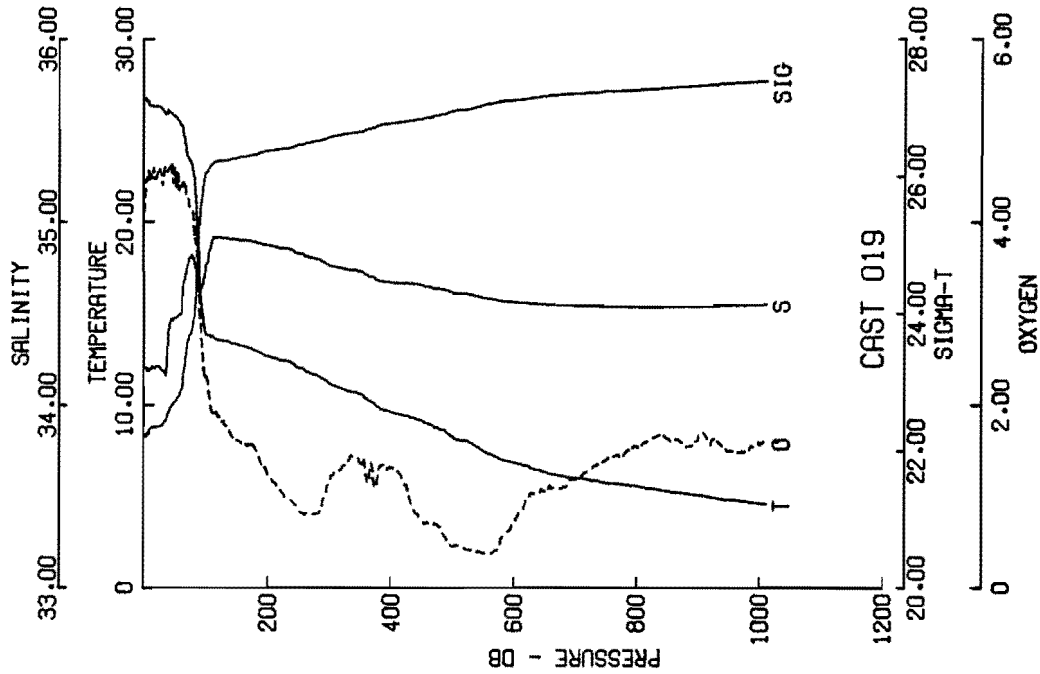


CAST EP2-79-DI-019 DATE 04 FEB 79 TIME 0019 GMT
LAT 04 00.ON LONG 110 00.OW

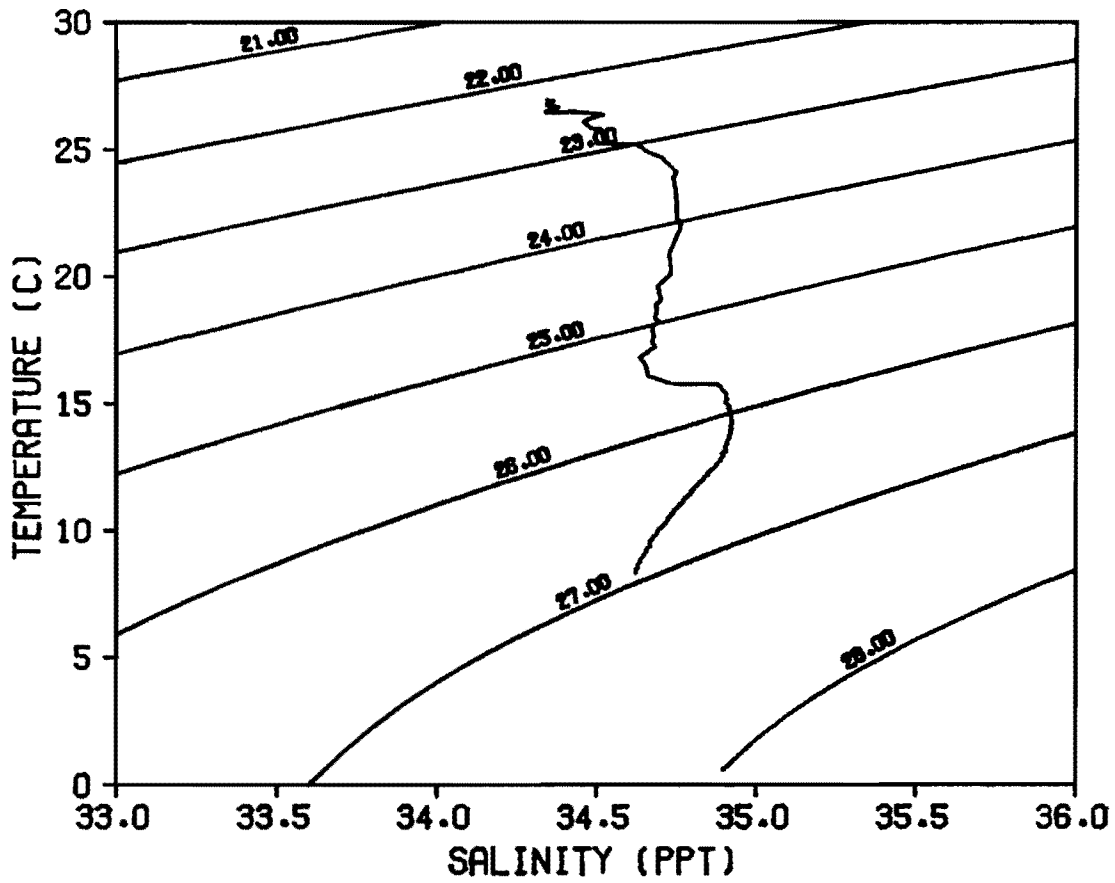


CAST EP2-79-01-019 DATE 04 FEB 79 TIME 0019 GMT
 LAT 04 00.0N LONG 110 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 280 T SPD 12 KT WISHTLTY 7
 CLOUD AMOUNT 1 WIND DRY 26.5 MET 23.7 DEPTH 3856 M

PRES (DB)	TEMP (C)	SAL (PPT)	DXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	8.865	34.212	4.10	18.7	.000
10	8.770	34.203	4.15	22.2	.056
20	8.642	34.198	4.47	22.2	.111
30	8.497	34.189	4.46	22.2	.166
40	8.345	34.176	4.58	22.2	.223
50	8.179	34.149	4.52	22.2	.272
70	7.836	34.104	4.09	22.3	.324
80	7.439	34.062	3.22	22.5	.450
100	6.954	34.044	2.04	22.6	.473
120	6.458	34.018	1.87	22.6	.493
130	6.025	34.012	1.79	22.6	.511
140	5.630	34.007	1.70	22.6	.530
150	5.225	34.002	1.56	22.6	.566
170	4.029	34.005	1.53	22.6	.612
190	2.843	34.085	1.36	22.6	.637
200	2.696	34.878	1.25	22.6	.738
300	2.221	34.768	1.13	22.6	.818
350	1.964	34.734	1.1	22.6	.893
400	1.785	34.664	1.07	22.6	.963
500	1.325	34.621	.96	22.6	1.030
550	1.187	34.591	.70	22.7	1.052
600	1.039	34.555	.06	22.7	1.106
700	0.759	34.541	1.1	22.7	1.257
800	0.586	34.540	1.35	22.7	1.353
850	0.501	34.539	1.63	22.7	1.445
900	0.429	34.548	1.49	22.7	1.489
950	0.371	34.548	1.58	22.7	1.531
1000	0.318	34.552	1.60	22.7	1.572
1011					

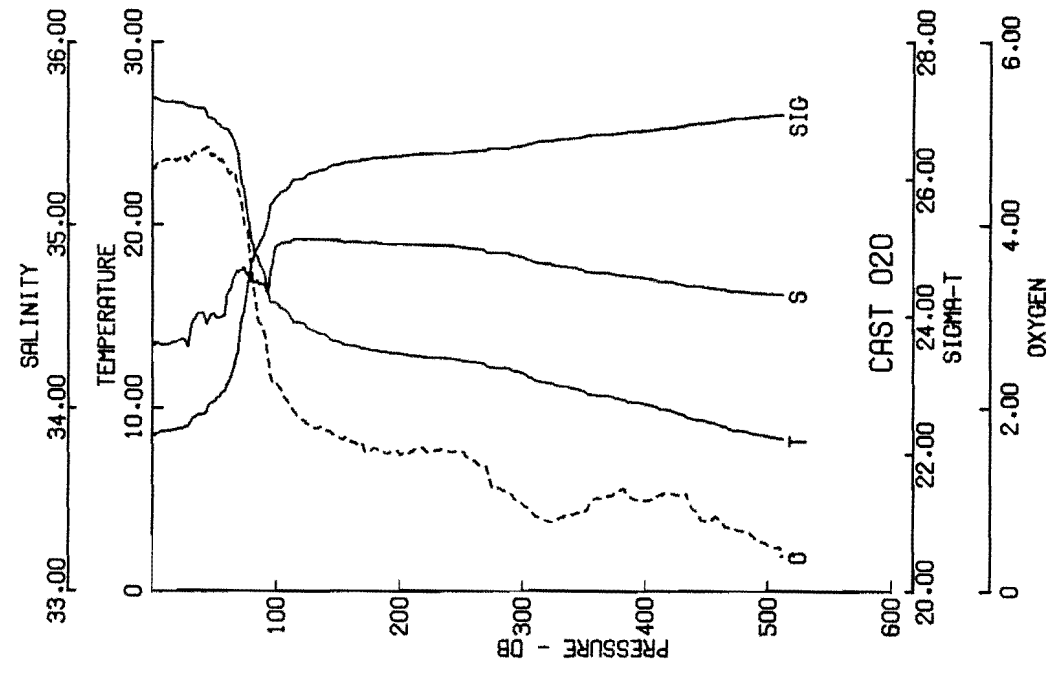


CAST EP2-79-DI-020 DATE 04 FEB 79 TIME 0457 GMT
LAT 03 30.2N LONG 110 00.9W

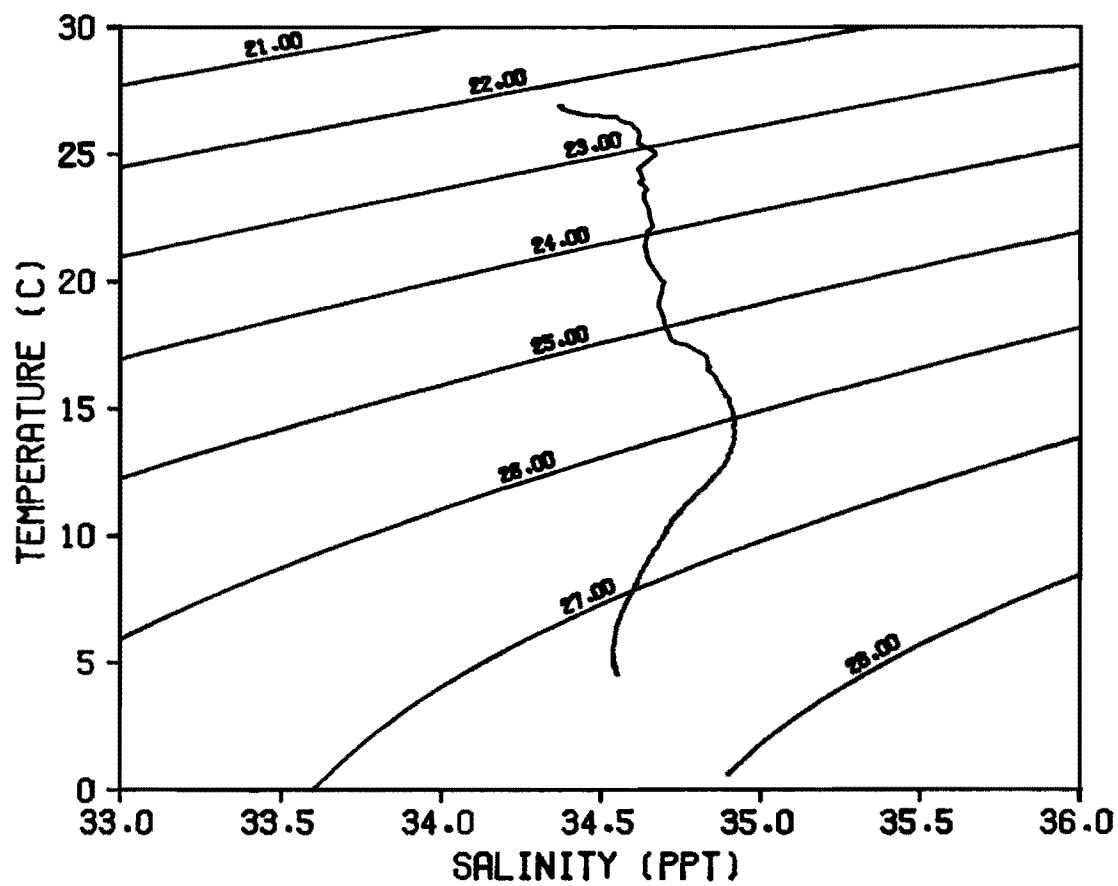


CAST EP2-79-DI-020 DATE 04 FEB 79 TIME 0457 GMT
 LAT 03 30.2N LONG 110 00.9W SEA STATE 3
 BAROMETER 14 WIND DIR 300 T SPD 10 KT VISIBILITY 7
 CLOUD 6 AMOUNT 8 DRY 25.2 MET 23.0 DEPTH 3660 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	26.976	34.358	4.61	22.261	.000
10	26.917	34.362	4.62	22.283	.052
20	26.730	34.347	4.71	22.331	.115
30	26.686	34.375	4.75	22.432	.165
40	26.479	34.520	4.81	22.575	.219
50	25.768	34.516	4.76	22.760	.271
60	25.220	34.914	4.62	23.001	.321
70	23.274	34.748	4.34	23.682	.368
80	19.096	34.701	3.53	24.786	.405
90	17.425	34.884	2.26	25.161	.435
100	15.174	34.908	2.06	25.738	.460
110	14.663	34.922	1.88	26.003	.482
120	14.223	34.921	1.79	26.097	.503
130	14.010	34.921	1.76	26.141	.523
140	13.638	34.914	1.64	26.214	.541
150	13.445	34.908	1.62	26.249	.579
160	13.271	34.903	1.56	26.280	.598
170	13.133	34.894	1.51	26.309	.615
180	13.059	34.897	1.50	26.314	.633
190	12.994	34.897	1.52	26.332	.651
200	12.923	34.878	1	26.391	.657
250	11.916	34.826	.96	26.488	.730
300	11.021	34.752	.87	26.615	.898
350	10.227	34.710	.77	26.705	.972
400	9.474	34.660	.59	26.827	1.041
450	8.774	34.624	.53	26.926	1.104
500	8.324	34.621		26.947	

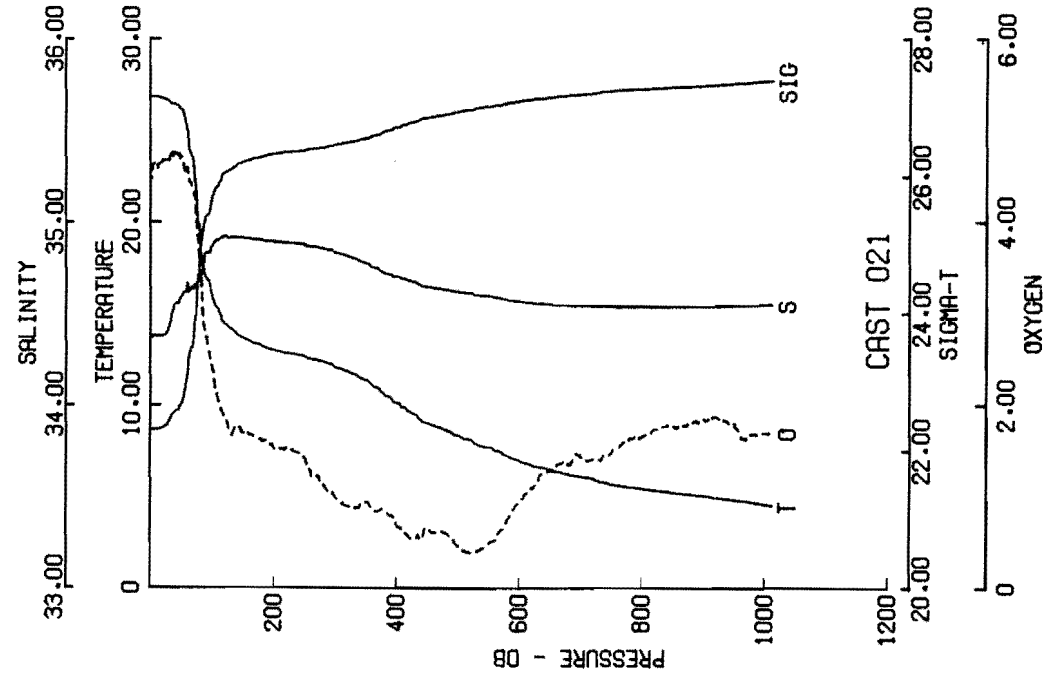


CAST EP2-79-DI-021 DATE 04 FEB 79 TIME 0842 GMT
LAT 02 57.5N LONG 110 00.5W

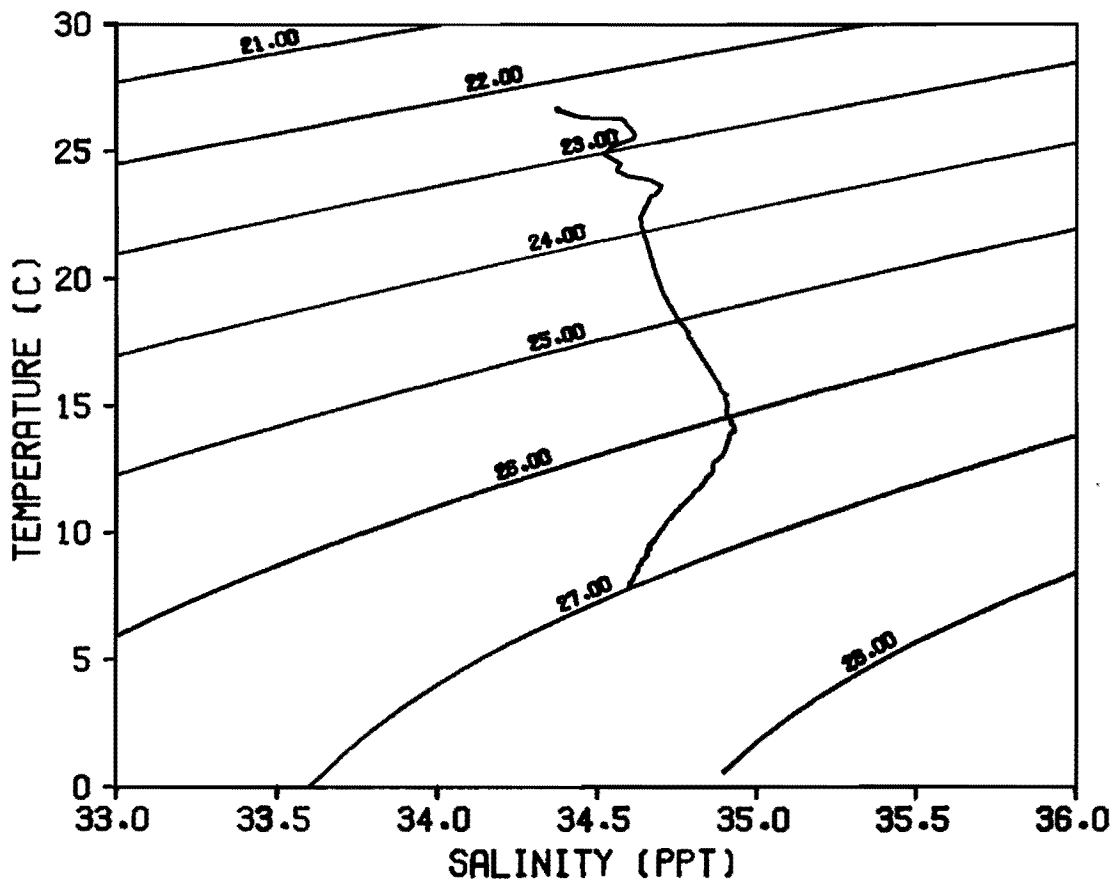


CAST EP2-79-DI-021 DATE 04 FEB 79 TIME 0842 GMT
 LAT 02 57.5N LONG 110 00.5W WEATHER 2 SEA STATE 3
 BAROMETER 13 WIND DIR 235 T SPD 15 KT VISIBILITY 7
 CLOUD 6 AMOUNT 7 WET DRY 25.9 MET 23.2 DEPTH 3616 M

TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
26.873	34.373	4.41	22.305	.000
26.870	34.375	4.41	22.309	.055
26.783	34.377	4.68	22.337	.111
26.629	34.423	4.67	22.420	.166
26.426	34.552	4.76	22.568	.219
26.210	34.590	4.71	22.672	.272
25.972	34.634	4.60	22.707	.322
19.043	34.680	4.34	23.083	.368
16.972	34.834	3.77	23.471	.408
15.968	34.872	3.47	23.414	.434
15.246	34.904	2.41	23.586	.459
14.458	34.921	2.05	23.646	.481
14.194	34.916	1.88	23.609	.502
13.671	34.916	1.70	23.167	.522
13.559	34.911	1.68	23.217	.540
13.512	34.908	1.65	23.265	.569
13.246	34.904	1.62	23.313	.579
13.097	34.899	1.53	23.331	.615
12.997	34.896	1.43	23.386	.630
12.671	34.838	1.40	23.466	.737
11.364	34.780	1.01	23.556	.821
11.142	34.706	.95	23.717	.907
9.335	34.650	.70	23.858	.977
8.720	34.622	.67	23.943	1.045
7.017	34.568	.48	27.020	1.107
6.515	34.554	.28	27.098	1.166
6.119	34.547	.24	27.151	1.221
5.670	34.541	.21	27.209	1.273
5.216	34.539	.18	27.275	1.320
5.050	34.530	.17	27.306	1.370
4.825	34.545	.18	27.356	1.416
4.571	34.551	.18	27.389	1.461
4.524	34.552	.17	27.395	1.504
				1.587

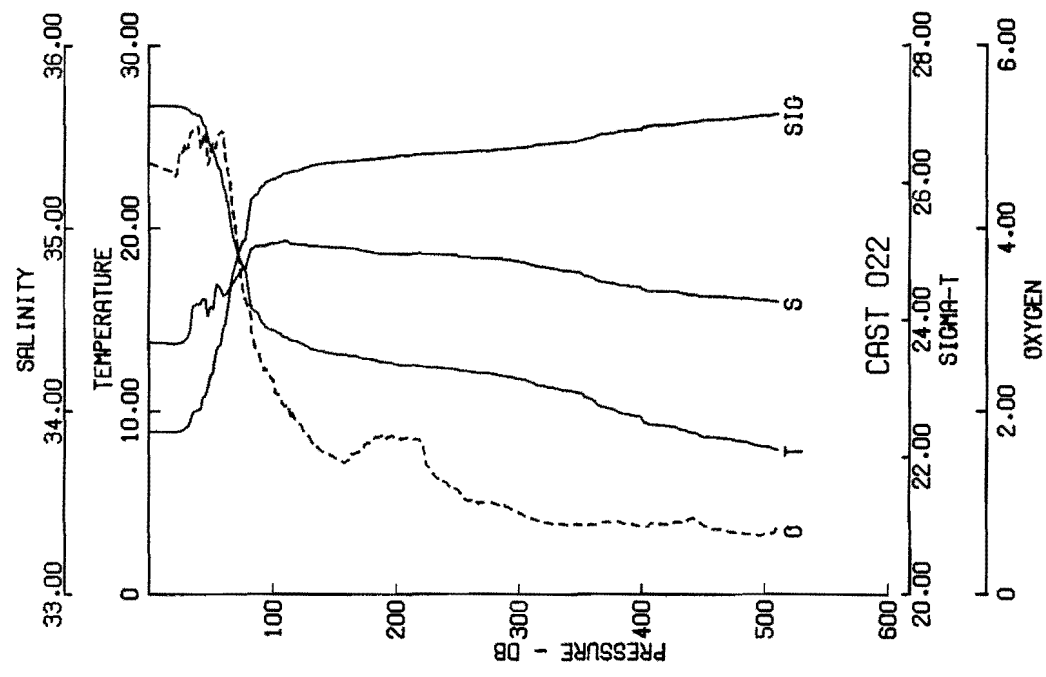


CAST EP2-79-D1-022 DATE 04 FEB 79 TIME 1319 GMT
LAT 02 28.0N LONG 110 02.3W

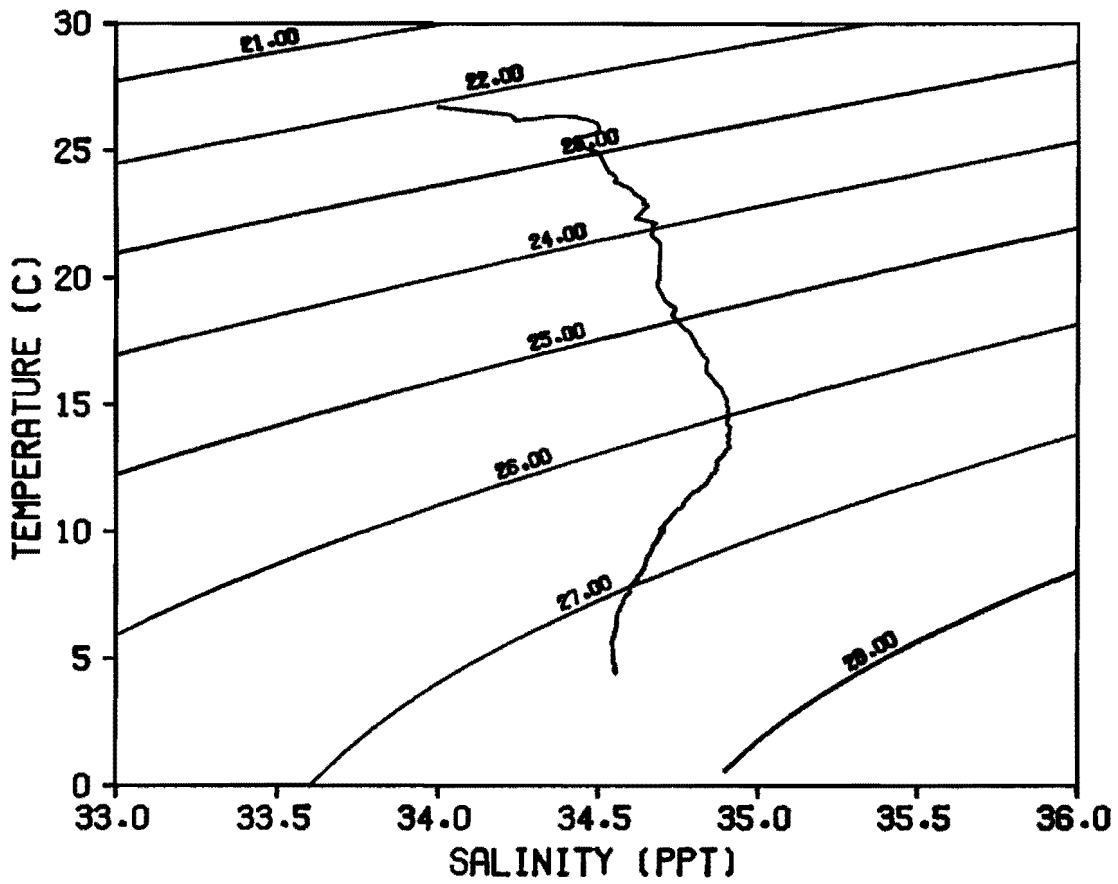


EP2-79-DI-022 DATE 04 FEB 79 TIME 1319 GMT
 CAST 02 28-ON LONG 110 02:3M WEATHER 2 SEA STATE 3
 BAROMETER 12 WIND DIR 260 T SPD 11 KT VISIBILITY 7
 CLOUD 6 AMOUNT 8 WET DRY 25.7 MET 23.4 DEPTH 3658 M

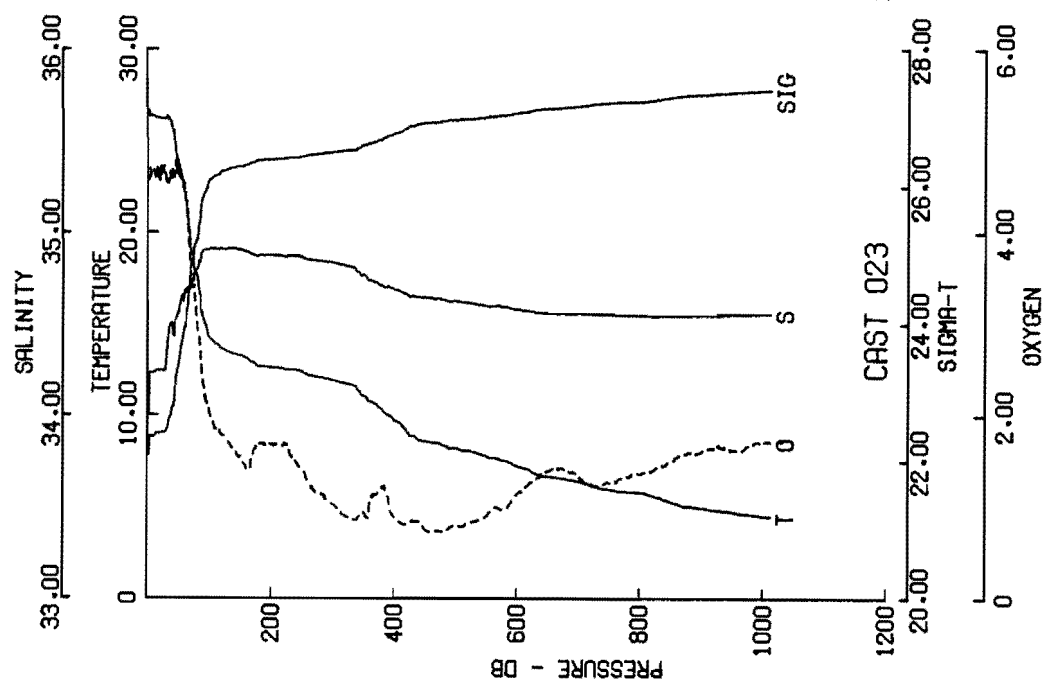
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	26.695	34.376	4.71	22.364	.000
10	26.697	34.373	4.66	22.361	.055
20	26.697	34.370	4.61	22.411	.110
30	26.587	34.385	4.87	22.681	.218
40	24.491	34.574	5.18	23.192	.312
50	22.396	34.634	5.84	23.847	.348
60	19.702	34.853	5.07	24.849	.377
70	16.806	34.905	3.15	25.407	.400
80	13.041	34.919	3.60	26.049	.420
90	14.436	34.914	2.05	26.138	.459
100	13.819	34.904	1.88	26.176	.459
110	13.470	34.890	1.71	26.240	.478
120	13.261	34.896	1.50	26.298	.496
130	13.156	34.893	1.50	26.316	.513
140	12.975	34.885	1.56	26.323	.531
150	12.837	34.871	1.56	26.346	.566
160	12.688	34.862	1.72	26.389	.583
170	12.569	34.851	1.14	26.438	.600
180	12.273	34.819	1.90	26.513	.684
190	11.754	34.619	1.14	26.677	.766
200	10.956	34.629	.75	26.913	.844
300	8.059	34.606	.69	26.976	.915
400	7.888	34.596	.69	26.993	.979
500					1.040



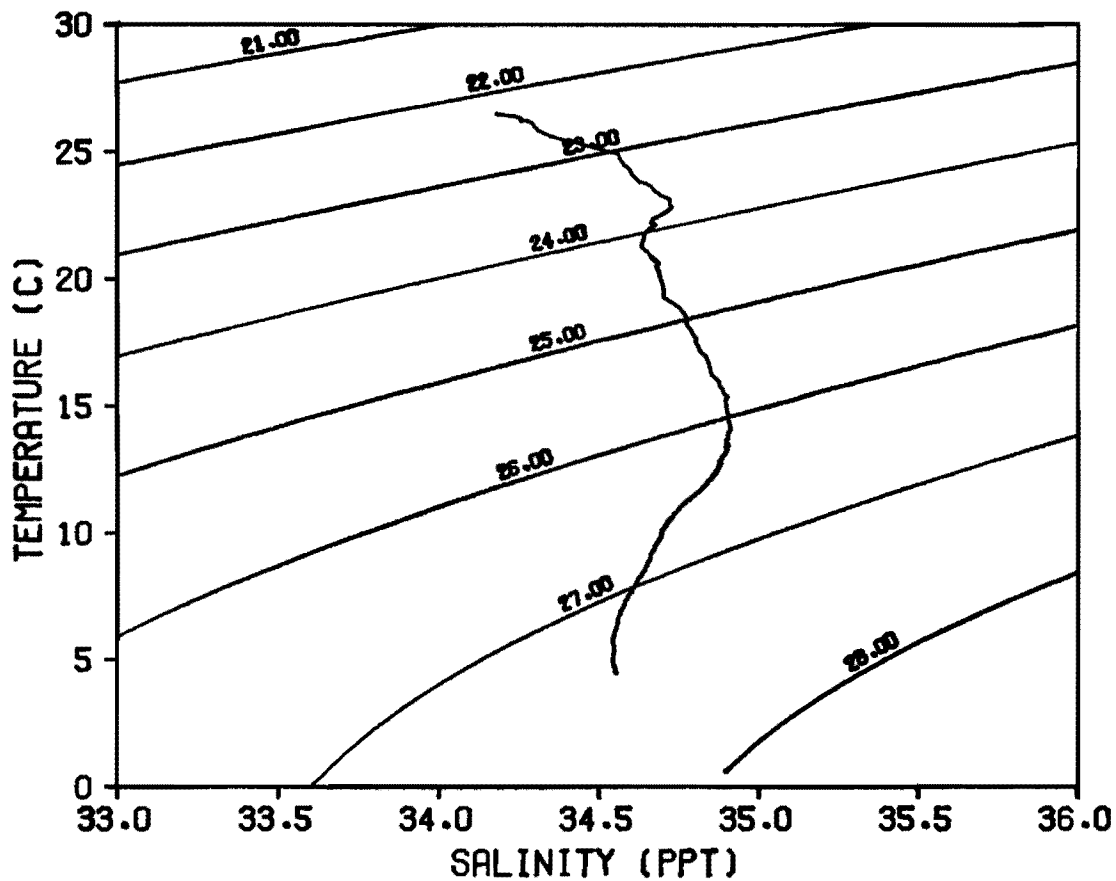
CAST EP2-79-01-023 DATE 04 FEB 79 TIME 1721 GMT
LAT 01 59.5N LONG 110 02.3W



CAST EP2-79-DI-023 DATE 04 FEB 79 TIME 1721 GMT
 LAT 01 59.5N LONG 110 02.3W SEA STATE 3
 BAROMETER 13 WIND DIR 215 T SPD 06 KT VISIBILITY 7
 CLOUD 7 AMOUNT 8 DRY 26.1 WET 22.9 DEPTH 3550 M

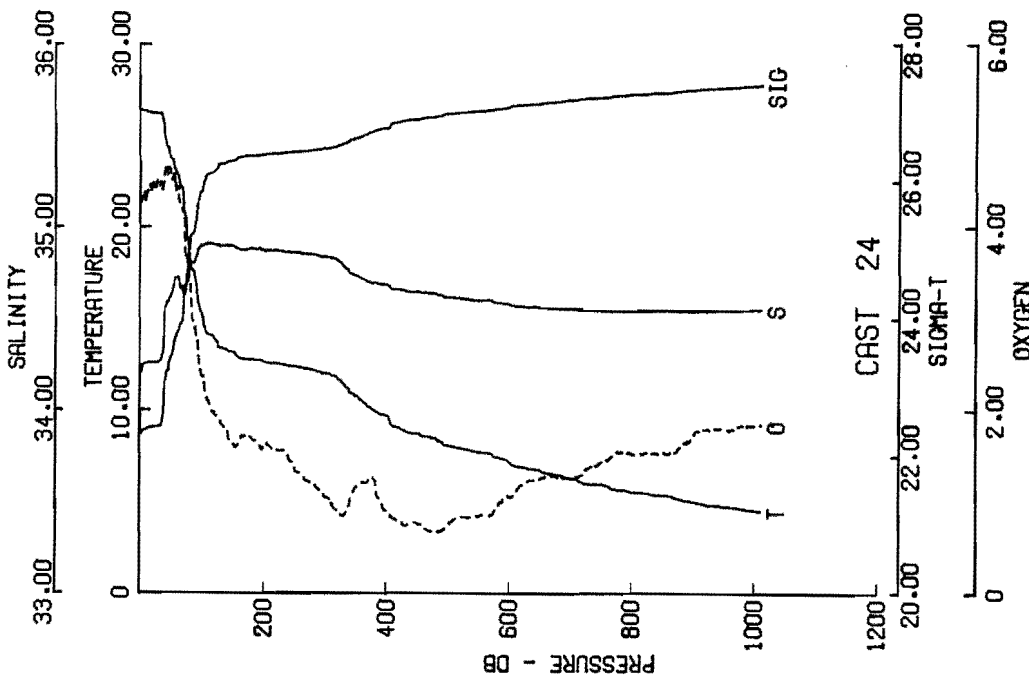


CAST EP2-79-DI-024 DATE 04 FEB 79 TIME 2107 GMT
LAT 01 45.0N LONG 110 00.0W

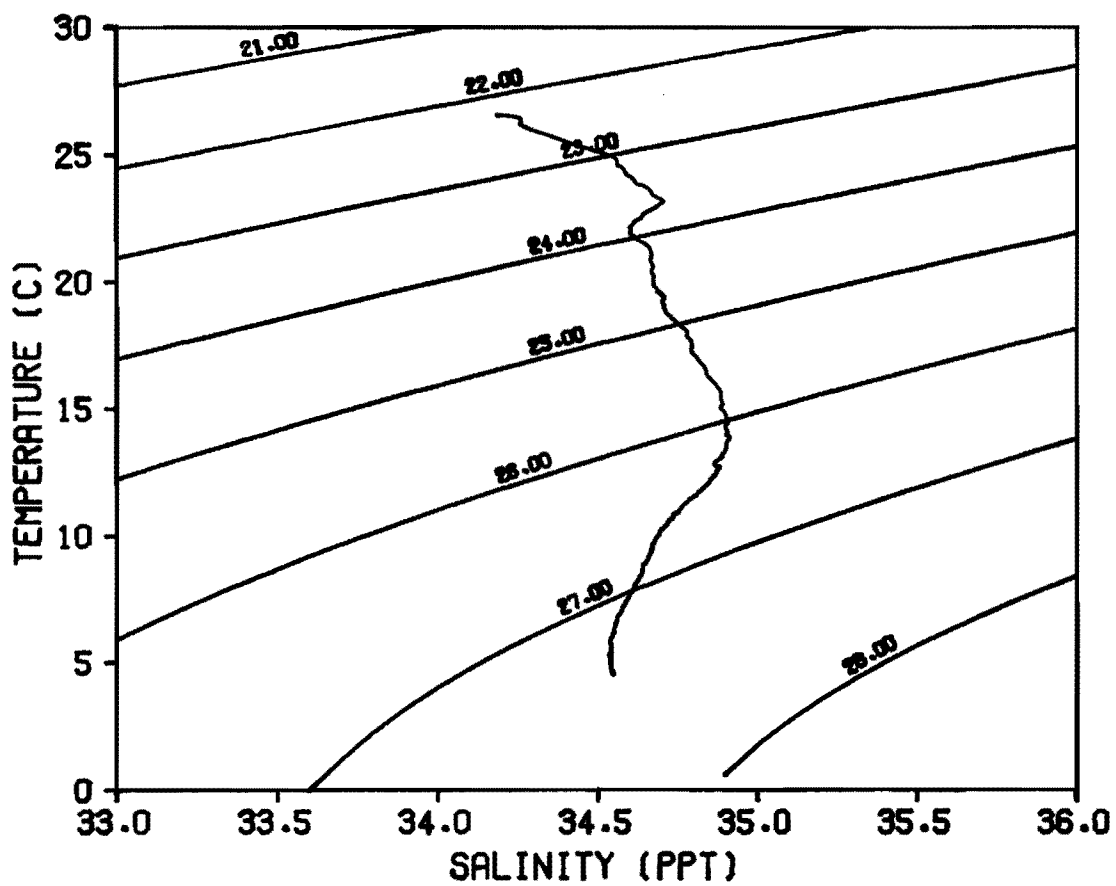


CAST EP2-79-DI-024 DATE 04 FEB 79 TIME 2107 GMT
 LAT 01 45 ON LONG 110 00.0W SEA STATE 2
 BAROMETER 12 WIND DIR 190 T SPD 06 KT VISIBILITY 7
 CLOUD 7 AMOUNT 2 DRY 26.9 WET 23.5 DEPTH 3656 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	26.483	34.178	4.23	22.276	.000
10	26.470	34.178	4.27	22.281	.055
20	26.346	34.255	4.47	22.311	.110
30	26.223	34.258	4.47	22.342	.164
40	26.223	34.423	4.59	22.467	.264
50	26.260	34.624	4.56	22.412	.308
60	22.934	34.724	4.44	22.409	.348
70	21.846	34.644	4.16	22.535	.411
80	17.544	34.772	3.90	22.537	.435
90	15.139	34.801	3.38	22.610	.475
100	14.140	34.910	2.90	22.627	.511
120	13.384	34.899	2.19	22.627	.529
140	13.273	34.897	1.77	22.630	.546
150	13.151	34.881	1.62	22.636	.581
160	12.943	34.876	1.70	22.637	.619
170	12.740	34.874	1.70	22.638	.692
180	12.688	34.883	1.66	22.638	.782
190	12.625	34.874	1.61	22.642	.860
200	12.356	34.863	1.38	22.646	.935
250	11.979	34.837	1.06	22.679	.995
300	11.760	34.737	1.15	22.702	1.011
400	9.925	34.649	.76	22.702	1.110
500	8.069	34.619	.84	22.702	1.110
550	7.702	34.602	.85	22.702	1.110
600	7.186	34.581	.85	22.702	1.110
650	6.743	34.565	.85	22.702	1.110
700	6.278	34.558	.85	22.702	1.110
750	5.959	34.548	.85	22.702	1.110
800	5.366	34.547	.83	22.702	1.110
850	4.748	34.547	.83	22.702	1.110
900	4.537	34.551	.84	22.702	1.110
1000	4.487	34.552	.84	22.702	1.110
1011					

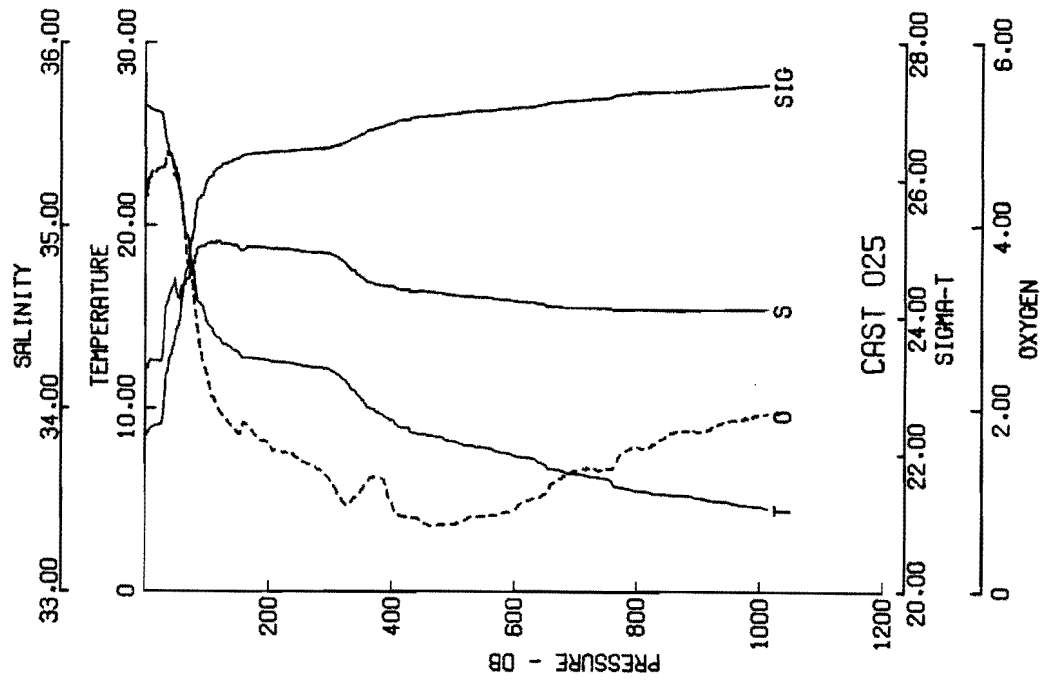


CAST EP2-79-DI-025 DATE 04 FEB 79 TIME 2324 GMT
LAT 01 30. N LONG 110 00. W

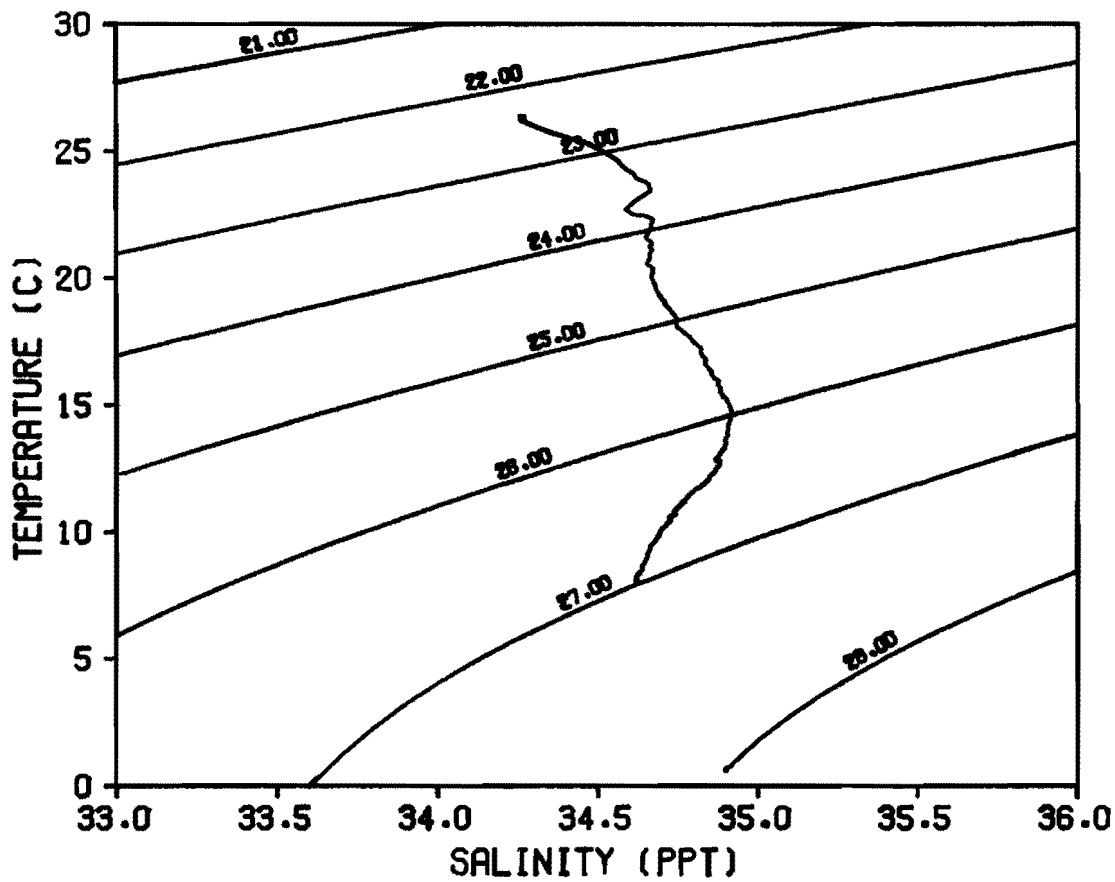


CAST EP2-79-01-025 DATE 04 FEB 79 TIME 2324 GMT
 LAT 01 30. N LONG 110 00. W SEA STATE 3
 BAROMETER AMOUNT 5 WIND DRY 200 T SPD 5 KT VISIBILITY 7
 CLOUD 2 AMOUNT 5 WET 25.2 WET 23.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	26.588	34.180	4.30	22.250	.000
10	26.569	34.184	4.38	22.262	.055
20	26.538	34.2269	4.59	22.281	.110
30	26.527	34.2371	4.62	22.296	.164
40	26.512	34.243	4.64	22.305	.211
50	26.488	34.2643	4.78	22.322	.254
60	26.462	34.2703	4.82	22.337	.294
70	26.425	34.2829	4.89	22.354	.337
80	26.377	34.2885	4.97	22.376	.380
90	26.324	34.2900	5.07	22.400	.422
100	26.267	34.2913	5.12	22.423	.460
110	26.219	34.2902	5.17	22.444	.499
120	26.181	34.2884	5.23	22.463	.530
130	26.143	34.2873	5.29	22.481	.562
140	26.105	34.2864	5.34	22.500	.595
150	26.067	34.2855	5.39	22.517	.627
160	26.029	34.2845	5.44	22.535	.659
170	25.991	34.2835	5.49	22.552	.690
180	25.953	34.2824	5.54	22.569	.721
190	25.915	34.2813	5.59	22.586	.752
200	25.877	34.2802	5.64	22.603	.783
250	25.764	34.2777	5.76	22.652	.859
300	25.653	34.2641	5.89	22.709	.950
350	25.543	34.2509	6.06	22.767	1.038
400	25.433	34.2371	6.24	22.823	1.125
450	25.323	34.2229	6.42	22.879	1.211
500	25.213	34.2085	6.60	22.933	1.291
550	25.103	34.1939	6.78	22.986	1.363
600	25.000	34.1799	6.96	23.037	1.427
650	24.896	34.1654	7.14	23.086	1.481
700	24.793	34.1511	7.32	23.133	1.527
750	24.689	34.1363	7.50	23.178	1.570
800	24.585	34.1219	7.68	23.221	1.611
850	24.481	34.1075	7.86	23.262	1.651
900	24.377	34.0930	8.04	23.301	1.690
950	24.273	34.0785	8.22	23.338	1.727
1000	24.169	34.0640	8.40	23.374	1.764
1012	24.1561	34.0548	8.44	23.388	1.770

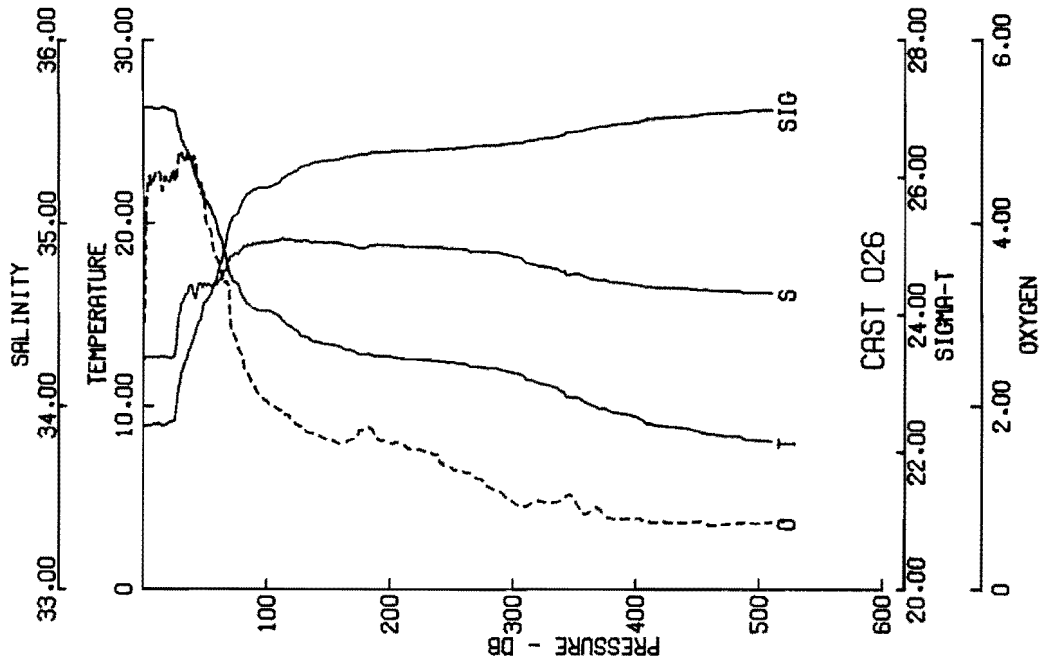


CAST EP2-79-DI-026 DATE 05 FEB 79 TIME 0223 GMT
LAT 01 14.3N LONG 110 00.4W

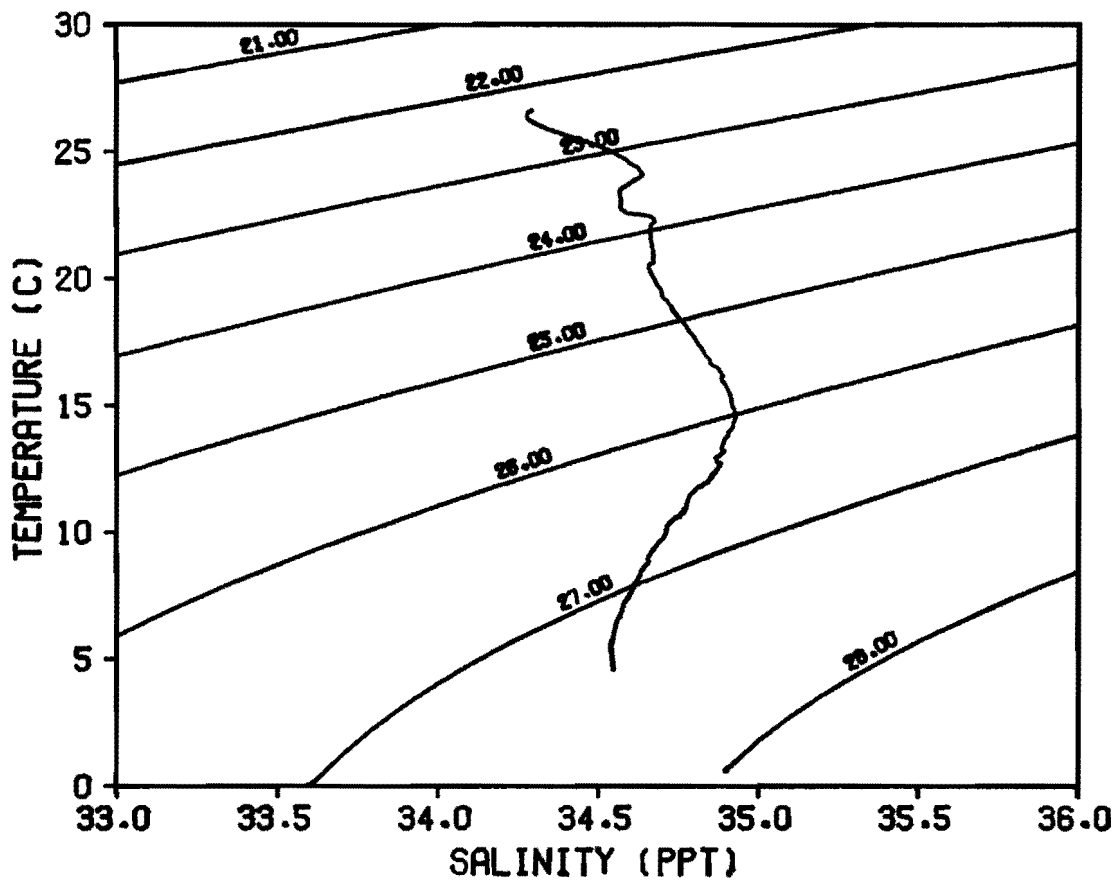


CAST EP2-74-DI-026 DATE 05 FEB 79 TIME 0223 GMT
 LAT 01 14.3N LONG 110 00.4W SEA STATE 2
 BAROMETER 12 WIND DIR 195 T SPD 03 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 25.1 WET 23.3 DEPTH 3660 M

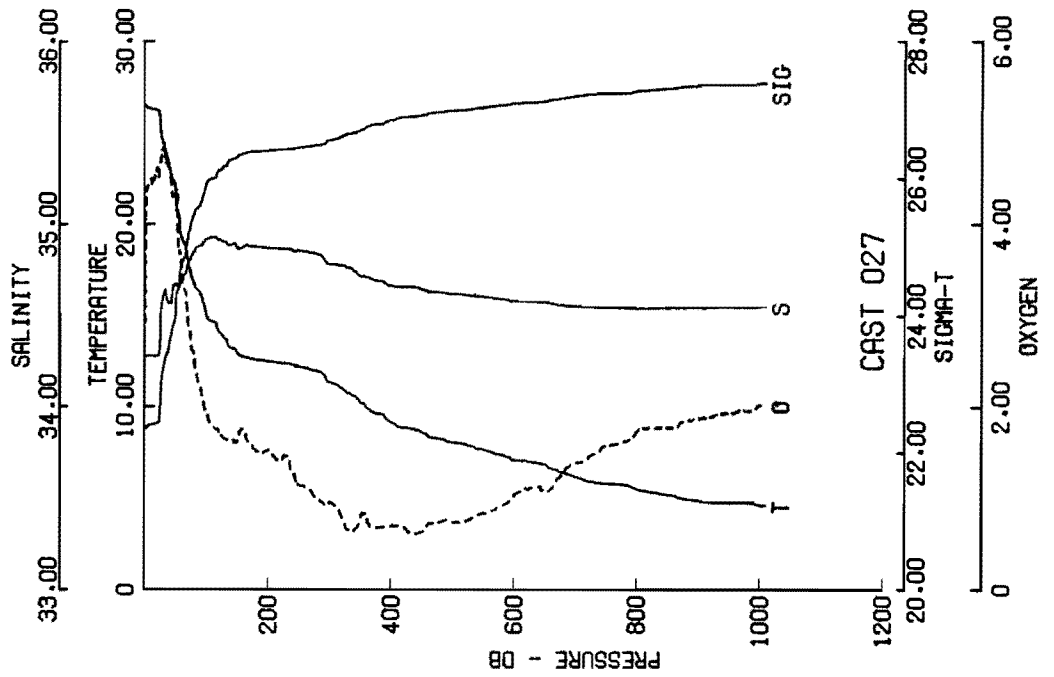
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	375	34.262	3.43	22.379	.000
10	365	34.256	2.92	22.378	.055
20	303	34.266	4.56	22.379	.109
30	274	34.266	4.44	22.379	.162
40	248	34.523	4.70	22.379	.248
50	178	34.670	4.11	22.379	.284
60	127	34.678	3.98	22.379	.314
70	117	34.825	3.60	22.379	.339
80	102	34.864	2.55	22.379	.359
90	92	34.889	2.20	22.379	.384
100	83	34.911	2.06	22.379	.406
110	72	34.912	1.84	22.379	.426
120	66	34.907	1.74	22.379	.445
130	53	34.899	1.69	22.379	.464
140	39	34.897	1.63	22.379	.482
150	22	34.891	1.59	22.379	.500
160	16	34.878	1.64	22.379	.518
170	10	34.866	1.76	22.379	.536
180	7	34.884	1.64	22.379	.553
190	2	34.864	1.60	22.379	.570
200	1	34.823	1.33	22.379	.554
250	1	34.823	1.98	22.379	.737
300	1	34.727	.98	22.379	.814
350	1	34.667	.77	22.379	.883
400	1	34.638	.73	22.379	.946
450	1	34.622	.72	22.379	1.007
500	1	34.616	.73	22.379	1.007
510	1	34.616	.73	22.379	1.007



CAST EP2-79-DI-027 DATE 05 FEB 79 TIME 0444 GMT
LAT 00 59.5N LONG 109 59.9W

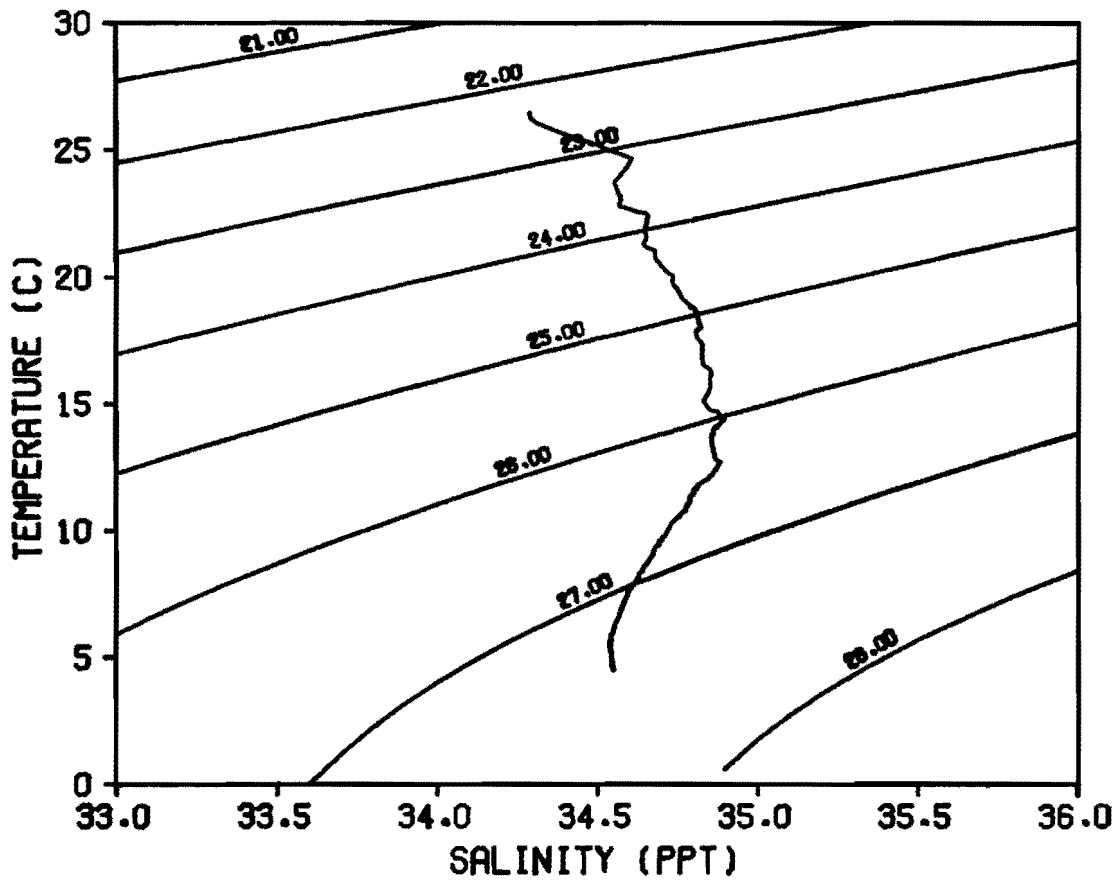


CAST EP2-79-01-027 DATE 05 FEB 79 TIME 0444 GMT
 LAT 00 59.5N LONG 109 59.9W SEA STATE 2
 BARUMETER 13 WIND DIR SPD 0 KT VISIBILITY 7
 CLOUD 0 AMOUNT 1 DRY 25.2 WET 23.3 DEPTH 3744 M

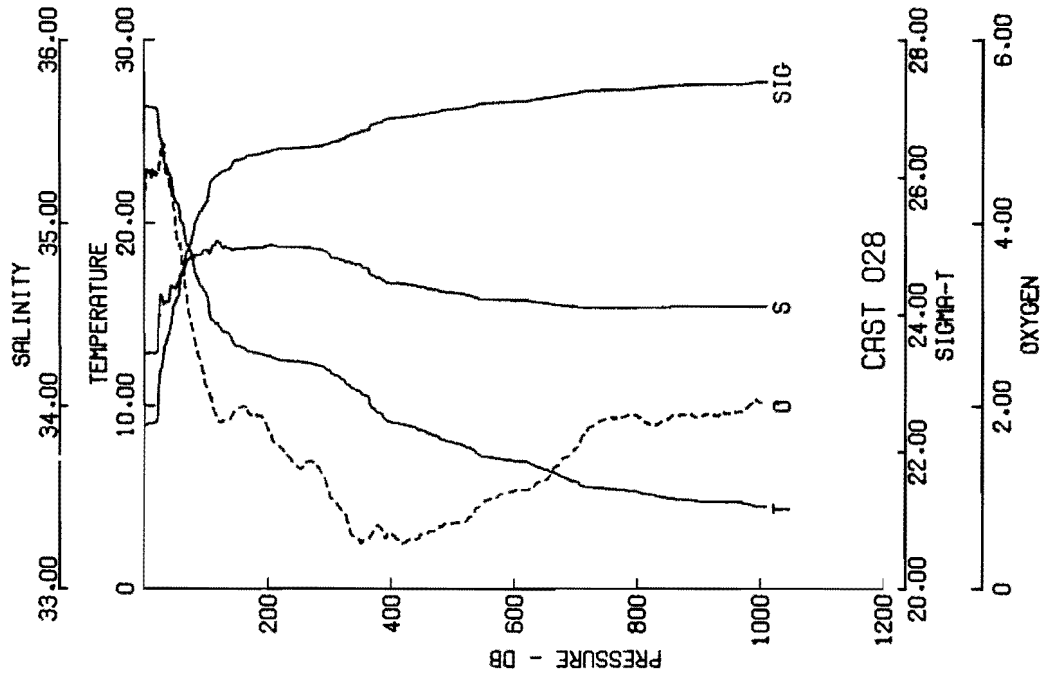


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-H)
0	37.0	34.292	3.04	22.319	.000
10	36.600	34.292	3.61	22.311	.055
20	36.348	34.278	4.49	22.300	.169
30	36.281	34.278	4.56	22.292	.207
40	36.402	34.566	4.63	22.307	.248
50	36.234	34.678	4.27	22.302	.284
60	36.407	34.677	3.62	22.407	.316
70	36.798	34.846	3.03	22.461	.346
80	36.315	34.882	2.60	22.502	.368
90	36.175	34.916	2.23	22.586	.391
100	36.695	34.929	1.80	22.601	.412
110	36.165	34.905	1.75	22.617	.431
120	36.235	34.885	1.65	22.618	.451
130	36.011	34.879	1.65	22.774	.469
140	36.743	34.877	1.61	22.774	.487
150	36.652	34.882	1.75	22.836	.504
160	36.588	34.882	1.60	22.838	.521
170	36.564	34.877	1.58	22.839	.538
180	36.499	34.877	1.51	22.840	.555
190	36.224	34.857	1.51	22.842	.572
200	36.252	34.857	1.45	22.843	.589
250	36.292	34.762	1.76	22.850	.736
300	36.161	34.719	.69	22.870	.818
350	36.038	34.665	.62	22.891	.941
400	36.077	34.642	.73	22.910	.940
450	36.077	34.606	.63	22.932	.058
500	36.077	34.580	1.02	22.938	.166
550	36.175	34.572	1.38	22.917	.217
600	36.801	34.546	1.57	22.940	.264
650	36.533	34.546	1.77	22.931	.315
700	36.275	34.546	1.87	22.931	.355
750	36.760	34.546	1.87	22.931	.398
800	36.616	34.546	2.02	22.931	.439
850	36.597	34.546	2.02	22.931	.480
900	36.597	34.546	2.02	22.931	.480
950	36.597	34.546	2.02	22.931	.480
1000	36.597	34.546	2.02	22.931	.480
1010	36.597	34.546	2.02	22.931	.480

CAST EP2-79-DI-028 DATE 05 FEB 78 TIME 0901 GMT
LAT 00 38.7N LONG 109 58.3W

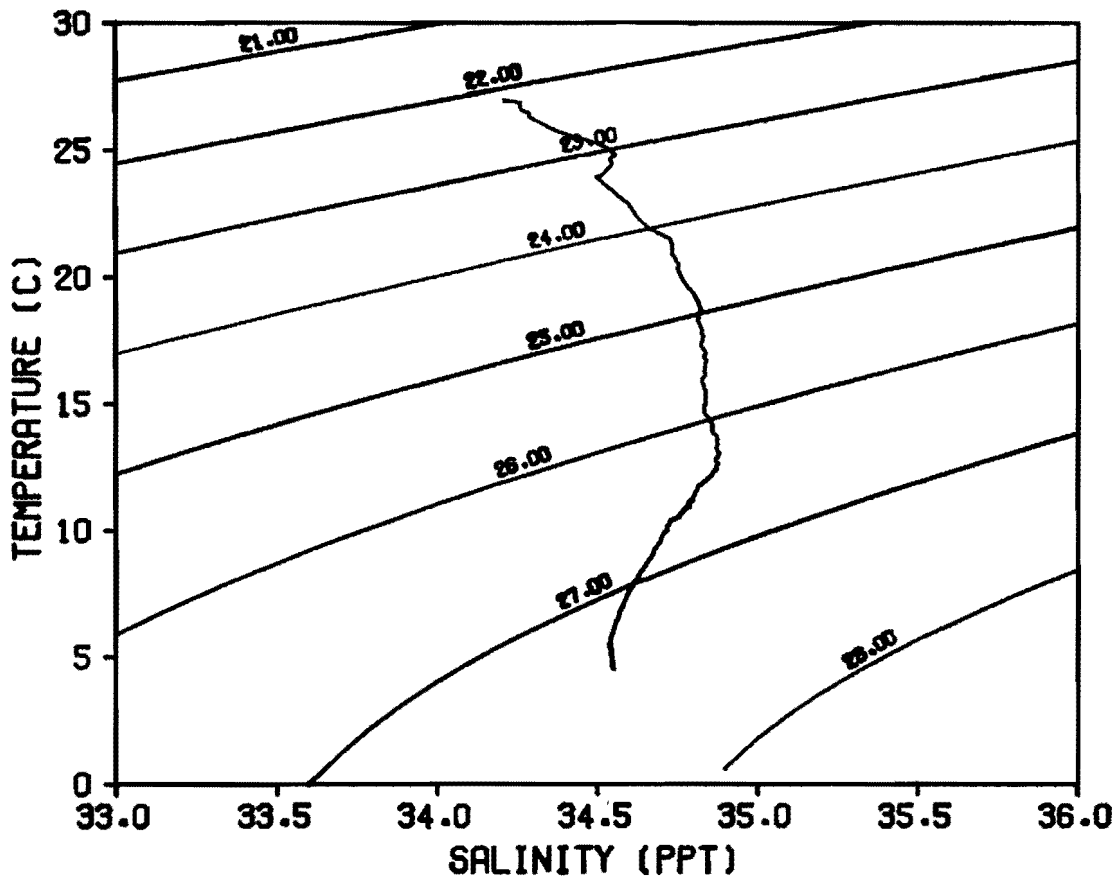


EP2-79-DI-026 DATE 05 FEB 78 TIME 0901 GMT
 CAST 00 38.7N LONG 109 58.3W WEATHER 5 SEA STATE 3
 LAT 00 38.7N LONG 109 58.3W WEATHER 5 SEA STATE 3
 BAROMETER 12 WIND DIR 140 T SPD 07 KT VISIBILITY 5
 CLOUD 9 AMOUNT 6 DRY 24.9 WET 22.1 DEPTH 3704 M



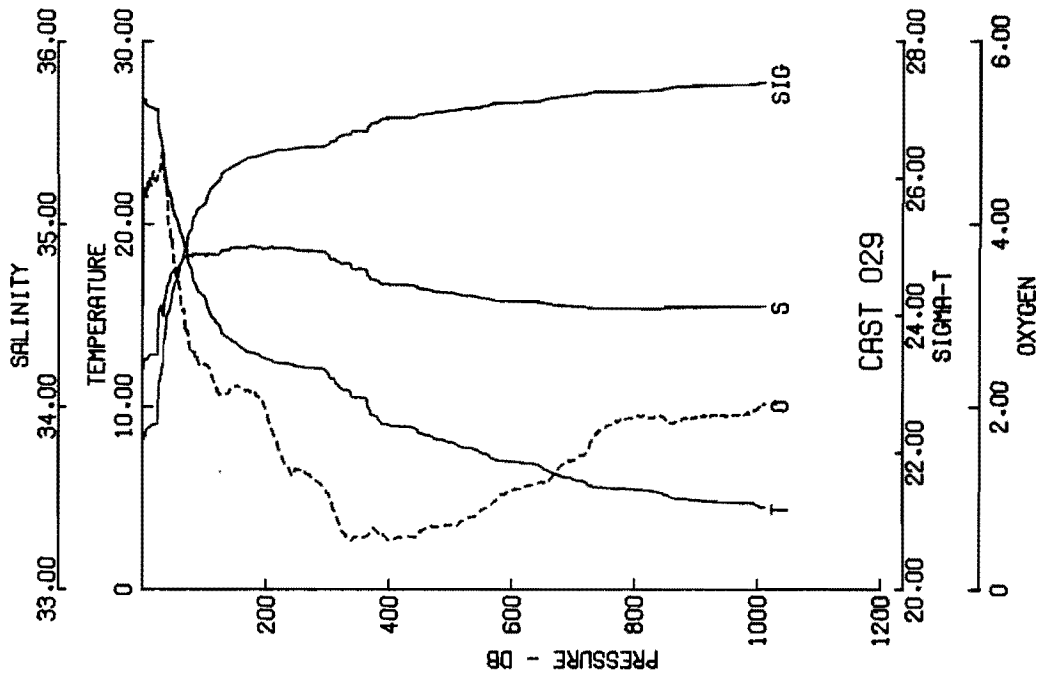
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T (DYN-H)
0	26.456	34.287	4.36	22.373	.000
10	26.440	34.288	4.35	22.376	.055
20	26.250	34.290	4.35	22.410	.109
30	24.125	34.281	4.44	22.439	.158
40	22.729	34.575	4.44	23.306	.241
50	21.249	34.644	4.04	24.173	.310
60	20.078	34.727	3.62	24.530	.370
70	18.813	34.807	3.17	25.231	.360
80	17.631	34.829	2.51	25.490	.413
90	16.620	34.856	2.05	25.957	.433
100	16.119	34.873	1.84	26.040	.473
110	14.396	34.872	1.87	26.096	.491
120	13.072	34.856	1.91	26.248	.509
130	12.163	34.862	1.88	26.314	.545
140	12.696	34.867	1.89	26.343	.569
150	12.827	34.868	1.75	26.369	.647
160	12.712	34.877	1.32	26.427	.747
170	11.938	34.870	1.05	26.487	.824
180	11.781	34.775	.51	26.558	.895
190	10.125	34.622	.62	26.914	.955
200	8.028	34.622	.72	27.070	1.071
250	7.242	34.577	.97	27.107	1.177
300	6.045	34.577	1.19	27.159	1.272
350	5.893	34.544	1.19	27.272	1.359
400	5.329	34.539	1.19	27.237	1.442
450	5.015	34.544	1.05	27.337	1.501
500	4.815	34.544	1.05	27.328	1.448
550	4.769	34.547	1.20	27.364	1.448
600	4.512	34.549	1.20	27.396	1.448
650	4.512	34.551	1.20	27.396	1.448
700	4.512	34.551	1.20	27.396	1.448
750	4.512	34.551	1.20	27.396	1.448
800	4.512	34.551	1.20	27.396	1.448
850	4.512	34.551	1.20	27.396	1.448
900	4.512	34.551	1.20	27.396	1.448
950	4.512	34.551	1.20	27.396	1.448
1000	4.512	34.551	1.20	27.396	1.448
1010	4.512	34.551	1.20	27.396	1.448

CAST EP2-79-DI-029 DATE 05 FEB 79 TIME 1214 GMT
LAT 00 26.7N LONG 110 00.5W

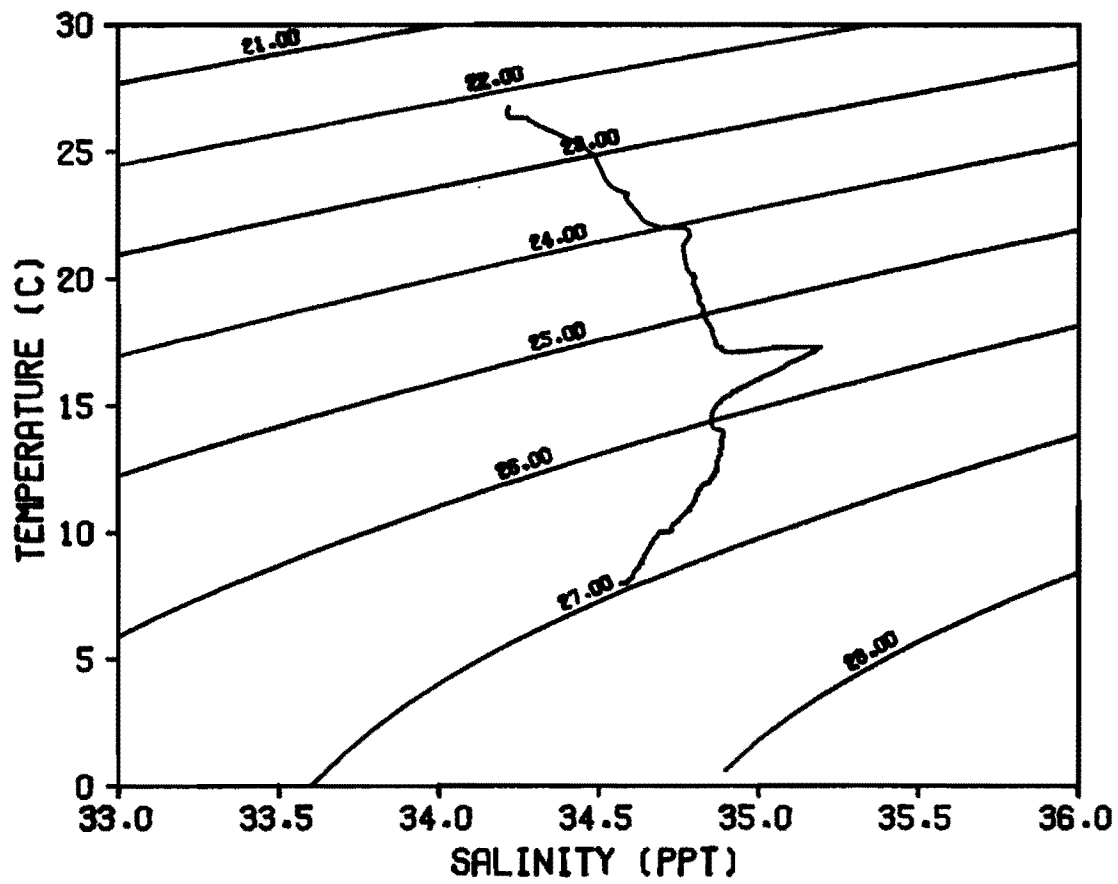


CAST EP2-79-DI-029 DATE 05 FEB 79 TIME 1214 GMT
 LAT 00 29.7N LONG 110 00.5W HEATHER 1 ISVATE 3
 BAROMETER 10 WIND DR 18.5T SPD 5 KT VISIBILITY 7
 CLOUD 8 AMOUNT 7 MET DRY 24.9 WET 23.1 DEPTH 3634 M

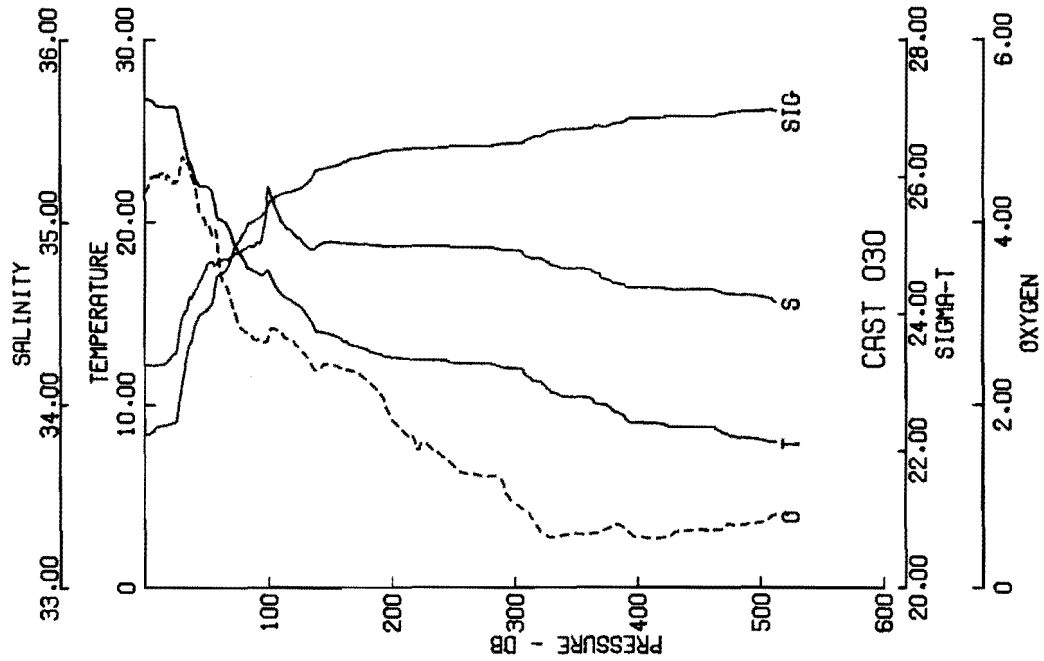
DEPTH (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	27.006	34.233	4.330	22.157	.000
10	26.909	34.218	4.351	22.173	.056
20	26.830	34.208	4.374	22.183	.110
30	26.761	34.200	4.391	22.192	.165
40	26.689	34.196	4.407	22.202	.205
50	26.627	34.190	4.423	22.211	.243
60	26.570	34.182	4.439	22.220	.280
70	26.518	34.176	4.455	22.229	.308
80	26.470	34.170	4.471	22.237	.337
90	26.426	34.165	4.487	22.245	.366
100	26.385	34.160	4.503	22.253	.396
110	26.347	34.155	4.519	22.261	.430
120	26.311	34.151	4.535	22.269	.451
130	26.278	34.147	4.551	22.276	.479
140	26.247	34.143	4.567	22.283	.508
150	26.218	34.140	4.583	22.290	.533
160	26.191	34.137	4.599	22.297	.558
170	26.166	34.134	4.615	22.304	.584
180	26.143	34.131	4.631	22.311	.610
190	26.121	34.128	4.647	22.318	.637
200	26.101	34.126	4.663	22.325	.664
250	26.057	34.121	4.711	22.343	.744
300	26.024	34.117	4.759	22.361	.819
350	26.000	34.114	4.807	22.379	.886
400	25.976	34.111	4.855	22.397	.949
500	25.957	34.108	4.903	22.415	1.009
600	25.941	34.105	4.951	22.433	1.072
700	25.927	34.102	4.999	22.451	1.132
750	25.916	34.100	5.047	22.469	1.192
800	25.907	34.098	5.095	22.487	1.258
850	25.900	34.096	5.143	22.505	1.313
900	25.894	34.094	5.191	22.523	1.358
950	25.889	34.092	5.239	22.541	1.401
1000	25.886	34.091	5.287	22.559	1.443
1011	25.885	34.090	5.303	22.566	1.463



CAST EP2-79-DI-030 DATE 05 FEB 79 TIME 1524 GMT
LAT 00 13.7N LONG 110 00.3W

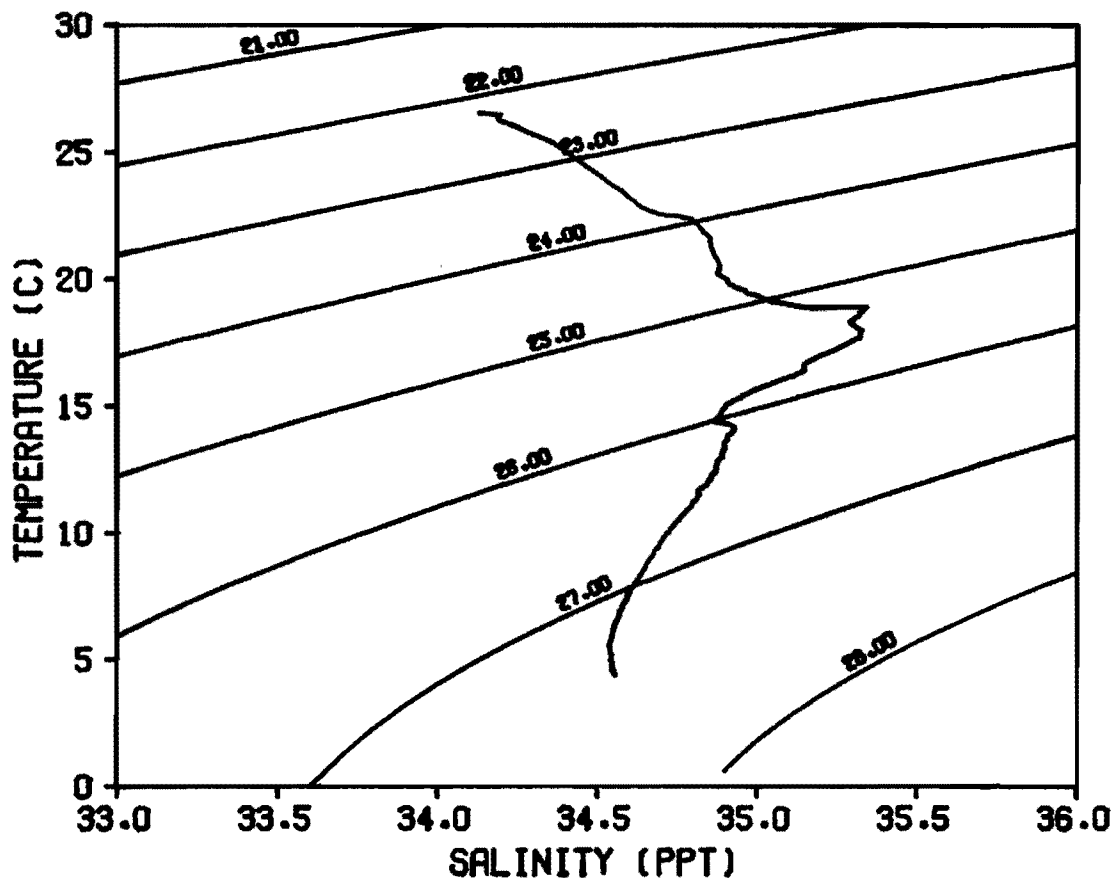


CAST EP2-79-DI-030 DATE 05 FEB 79 TIME 1524 GMT
 LAT 00 13.7N LONG 110 00.3W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 180 T SPD 08 KT VISIBILITY 7
 CLOUD 6 AMOUNT 5 DRY 27.5 WET 24.0 DEPTH 3744 M

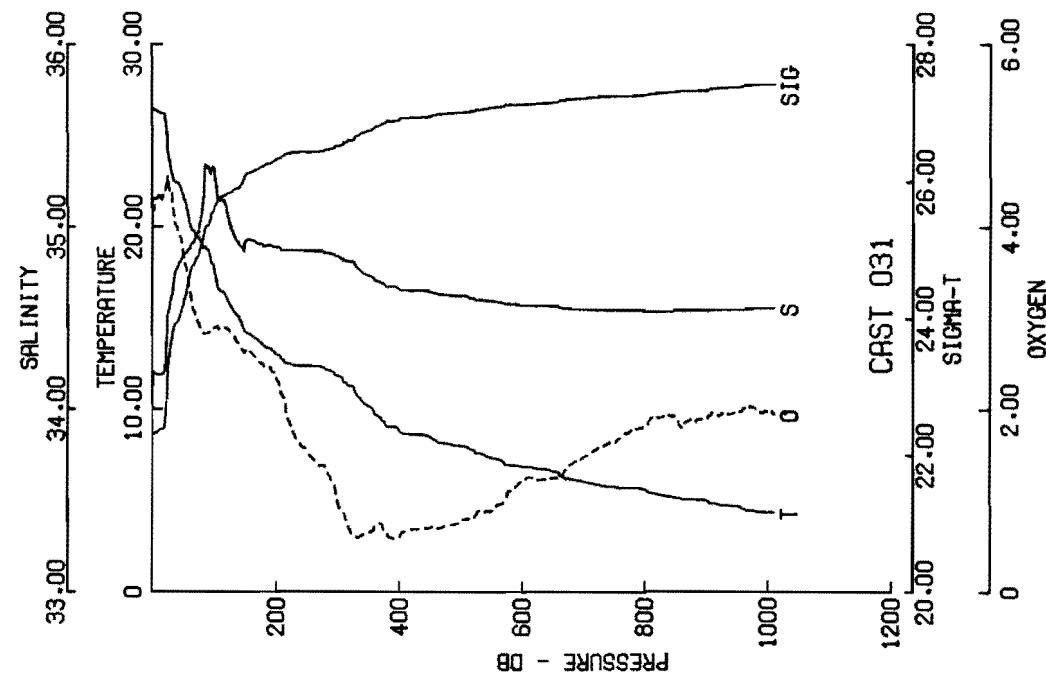


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	26.776	34.219	4.31	22.233	.000
10	26.734	34.218	4.34	22.233	.056
20	26.371	34.219	4.48	22.234	.114
30	25.320	34.215	4.51	22.234	.164
40	25.095	34.460	4.69	22.233	.209
50	22.630	34.618	4.45	22.233	.249
60	21.991	34.787	3.96	22.405	.286
70	20.185	34.831	3.55	22.405	.319
80	19.960	34.856	3.12	22.517	.349
90	17.275	34.884	2.73	22.517	.376
100	17.319	35.107	2.73	22.517	.401
110	15.116	34.941	2.80	22.517	.425
120	15.656	34.874	2.70	22.517	.477
130	15.062	34.866	2.55	22.517	.490
140	14.035	34.892	2.38	22.614	.519
150	13.564	34.883	2.40	22.614	.529
160	13.239	34.884	2.36	22.614	.547
170	13.037	34.873	2.23	22.614	.565
180	12.787	34.870	2.03	22.614	.582
190	12.593	34.862	1.63	22.614	.599
200	11.976	34.846	1.34	22.614	.641
300	11.424	34.743	.93	22.614	.766
400	8.005	34.643	.55	22.614	.910
450	8.794	34.636	.64	22.614	.973
500	8.081	34.593	.72	22.614	1.034
512	7.949	34.564	.80	22.614	1.034

CAST EP2-79-01-031 DATE 05 FEB 79 TIME 1737 GMT
LAT 0 00.4S LONG 110 01.0W

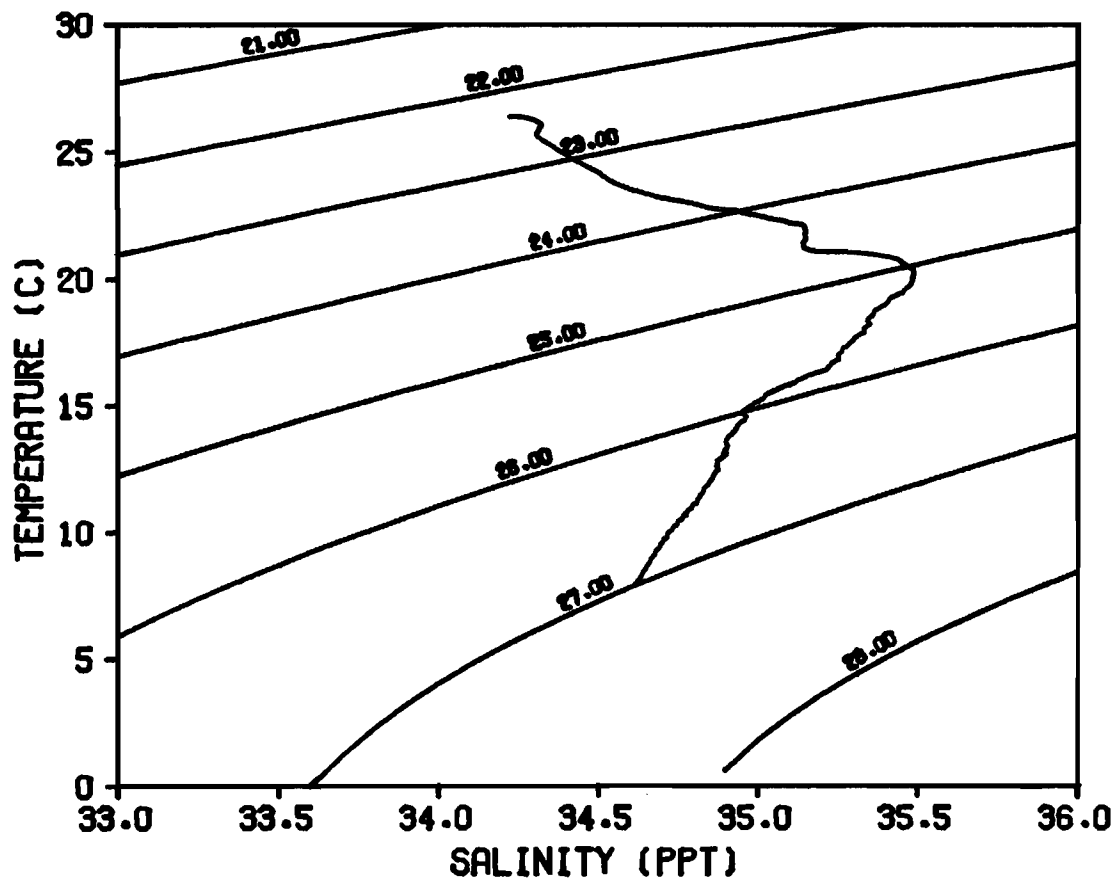


CAST EP2-79-DI-031 DATE 05 FEB 79 TIME 1737 GMT
 LAT 0 00.45 LONG 110 01.04 WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DTR 190 T SPD 07 KT VISIBILITY 7
 CLOUD 8 AMOUNT 6 DRY 28.2 WET 24.4 DEPTH 351.5 M



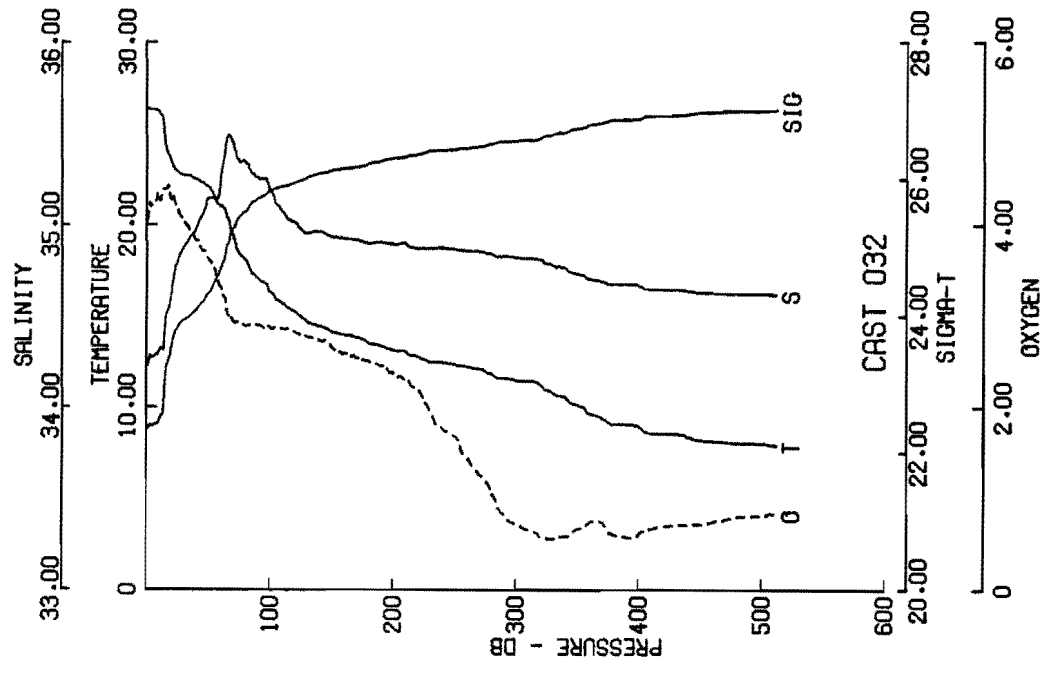
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	4.368	34.558	1.095	27.417	1.494
10	4.711	34.557	1.097	27.373	1.455
20	5.022	34.554	1.099	27.316	1.414
30	5.263	34.550	1.101	27.258	1.371
40	5.512	34.546	1.103	27.199	1.326
50	5.761	34.541	1.105	27.140	1.280
60	6.010	34.536	1.107	27.081	1.234
70	6.259	34.531	1.109	27.022	1.188
80	6.508	34.526	1.111	26.963	1.142
90	6.757	34.521	1.113	26.904	1.096
100	7.006	34.516	1.115	26.845	1.050
110	7.255	34.511	1.117	26.786	1.004
120	7.504	34.506	1.119	26.727	0.958
130	7.753	34.501	1.121	26.668	0.912
140	8.002	34.496	1.123	26.609	0.866
150	8.251	34.491	1.125	26.550	0.820
160	8.500	34.486	1.127	26.491	0.774
170	8.749	34.481	1.129	26.432	0.728
180	9.000	34.476	1.131	26.373	0.682
190	9.251	34.471	1.133	26.314	0.636
200	9.502	34.466	1.135	26.255	0.590
250	10.005	34.456	1.140	26.150	0.500
300	10.508	34.446	1.145	26.045	0.410
350	11.011	34.436	1.150	25.940	0.320
400	11.514	34.426	1.155	25.835	0.230
450	12.017	34.416	1.160	25.730	0.140
500	12.520	34.406	1.165	25.625	0.050
550	13.023	34.396	1.170	25.520	0.000
600	13.526	34.386	1.175	25.415	
650	14.029	34.376	1.180	25.310	
700	14.532	34.366	1.185	25.205	
750	15.035	34.356	1.190	25.100	
800	15.538	34.346	1.195	25.000	
850	16.041	34.336	1.200	24.900	
900	16.544	34.326	1.205	24.800	
950	17.047	34.316	1.210	24.700	
1000	17.550	34.306	1.215	24.600	
1010	17.600	34.304	1.216	24.580	

CAST EP2-79-D1-032 DATE 05 FEB 79 TIME 2045 GMT
LAT 0 15.0S LONG 110 00.0W

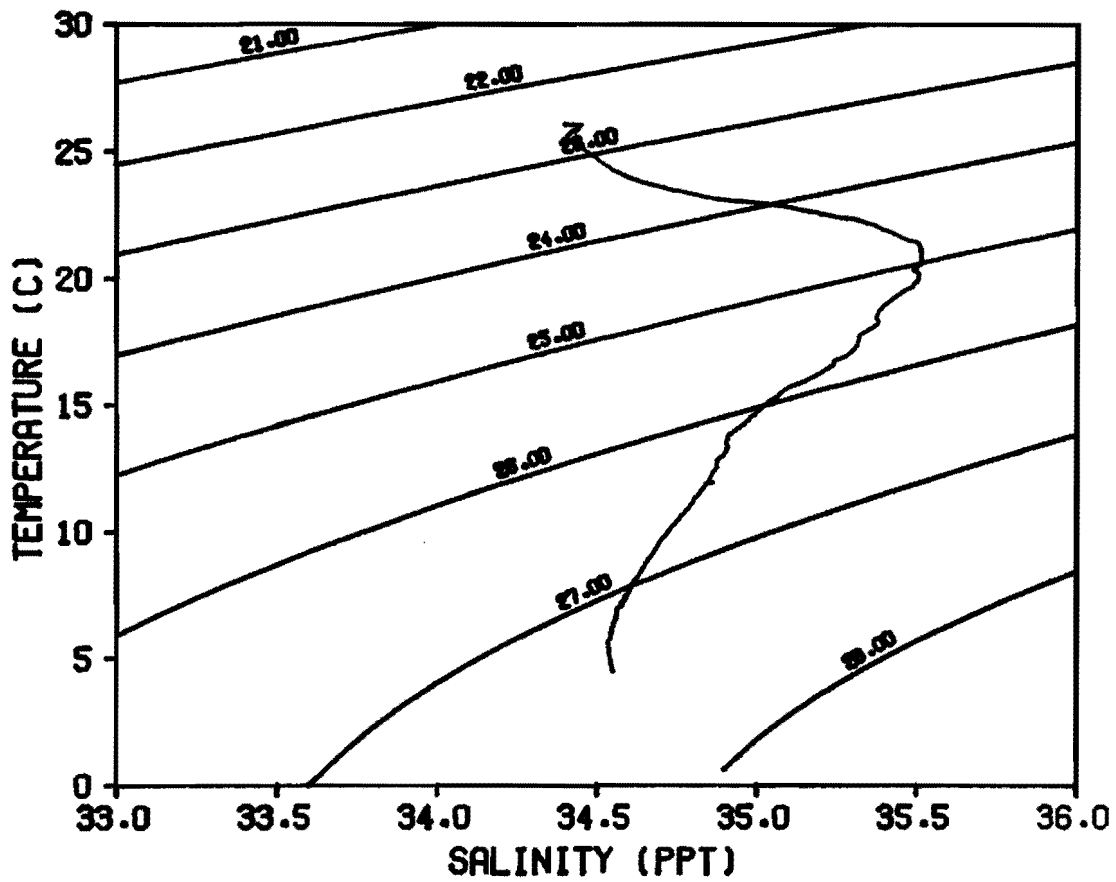


CAST 0 EP2-79-01-U32 DATE US 2045 GMT
 LAT 0 15.05 LONG 110 05.00 WEA 1 SEA STATE 3
 BAROMETER 10 WIND 190 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 6 DRY 26.7 WET 24.0 DEPTH 3640 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T (DYN-M)	DELTA-M
0	395	34.234	4.09	22.352	.000
10	395	34.224	4.05	22.347	.055
20	395	34.301	4.30	22.650	.104
30	242	34.869	4.06	23.930	.184
40	229	34.979	3.83	24.077	.222
50	222	35.142	3.32	24.310	.257
60	219	35.453	3.26	24.624	.287
70	194	35.344	3.88	25.527	.317
80	181	35.261	2.90	25.715	.339
90	163	35.074	2.86	25.891	.402
100	156	35.015	2.87	25.947	.423
110	144	34.952	2.74	26.082	.443
120	144	34.926	2.88	26.153	.462
130	133	34.918	2.54	26.174	.501
140	133	34.899	2.51	26.219	.520
150	132	34.896	2.45	26.260	.538
160	132	34.870	2.38	26.301	.552
170	110	34.822	1.72	26.333	.642
180	110	34.735	.66	26.369	.797
190	108	34.670	.60	26.881	.862
200	108	34.632	.72	26.975	.922
210	108	34.617	.83	26.997	.980
220	7.898			27.009	

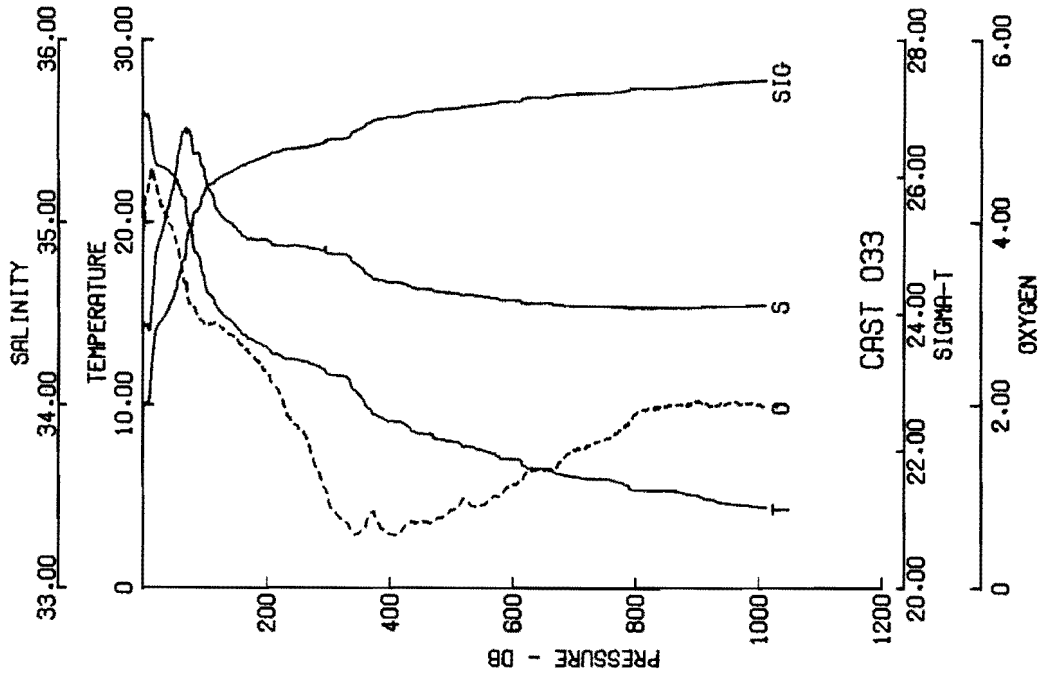


CAST EP2-79-DI-033 DATE 05 FEB 79 TIME 2253 GMT
LAT 0 30.5S LONG 110 00.0W

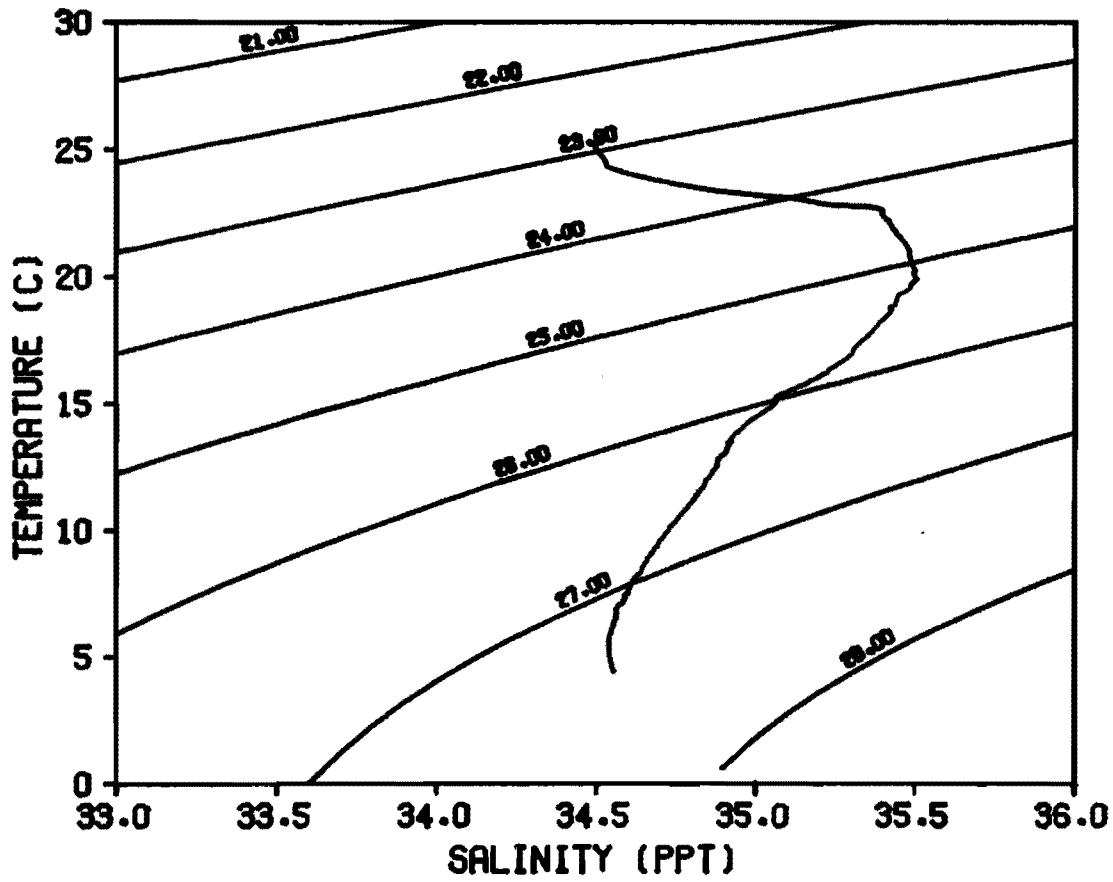


EP2-79-DI-033 DATE 05 FEB 79 TIME 2253 GMT
 CAST 0 30.55 LONG 110 00.0W WEA THER 1 SEA STATE
 BAROMETER 09 WIND DIR 190 T SPD 8 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 26.1 WET 23.5 WET 23.5 DEPTH 3819 M

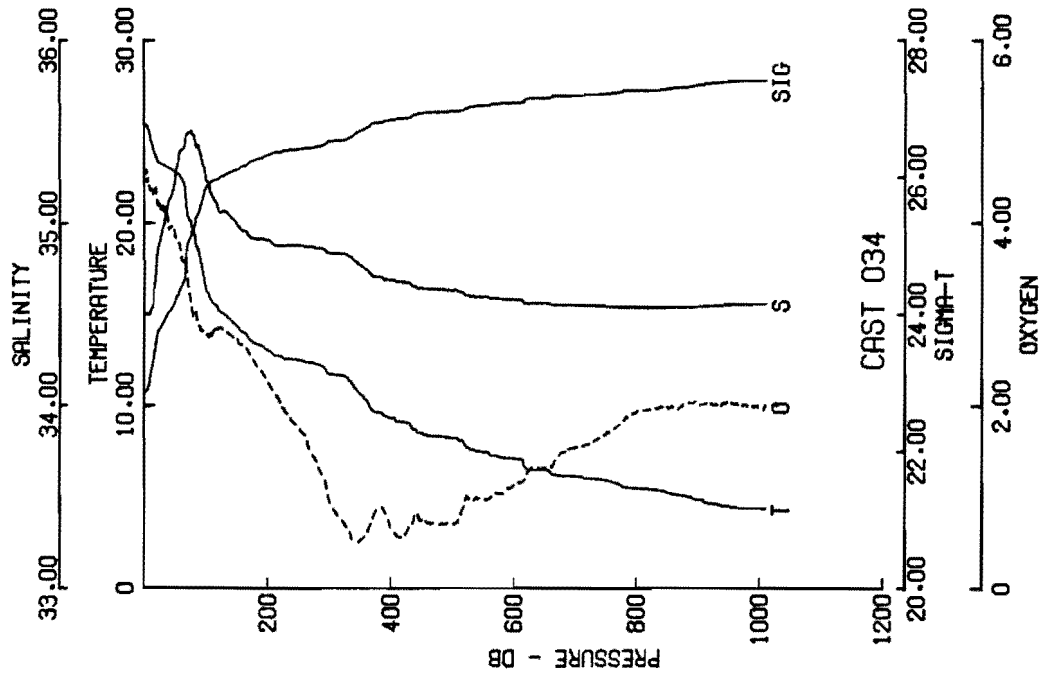
PRES (DB)	TEMP (C)	SAL (PPT)	DXY (ML/L)	SIG-T	DELTA-H (DYN-M)
0	26.038	34.426	3.89	22.687	.000
10	25.582	34.407	3.87	22.552	.052
20	23.582	34.404	4.44	22.732	.099
30	23.032	34.893	4.18	22.726	.179
40	22.863	35.073	4.04	22.406	.217
50	22.552	35.198	3.87	22.230	.253
60	22.804	35.424	3.36	22.608	.285
70	20.504	35.516	3.06	22.936	.313
80	18.894	35.399	3.06	22.337	.338
90	18.165	35.241	2.88	22.580	.362
100	16.727	35.163	2.89	22.788	.384
110	16.005	35.022	2.89	22.864	.405
120	15.333	35.022	2.78	22.028	.426
130	14.673	34.998	2.74	22.058	.446
140	14.321	34.969	2.66	22.111	.465
150	13.921	34.927	2.59	22.464	.485
160	13.660	34.908	2.53	22.230	.502
170	13.520	34.907	2.44	22.666	.511
180	13.355	34.905	2.37	22.505	.541
190	13.156	34.874	2.37	22.417	.559
200	12.496	34.831	1.98	22.533	.644
250	11.575	34.762	.60	22.685	.727
300	10.102	34.674	.59	22.893	.804
350	8.441	34.638	.73	22.893	.933
400	8.027	34.618	.85	22.900	.992
450	7.567	34.597	1.13	22.043	1.049
500	7.060	34.577	1.30	22.098	1.104
550	6.596	34.561	1.52	22.155	1.155
600	6.096	34.544	1.63	22.203	1.205
650	5.537	34.525	1.99	22.264	1.253
700	5.375	34.515	2.04	22.309	1.300
750	5.271	34.507	2.01	22.356	1.344
800	5.032	34.537	2.02	22.400	1.388
850	4.634	34.545	2.09	22.421	1.430
900	4.427	34.551	2.09	22.445	1.470
1000					
1011					



CAST EP2-79-DI-034 DATE 06 FEB 79 TIME 0200 GMT
LAT 0 40.4S LONG 110 00.3W

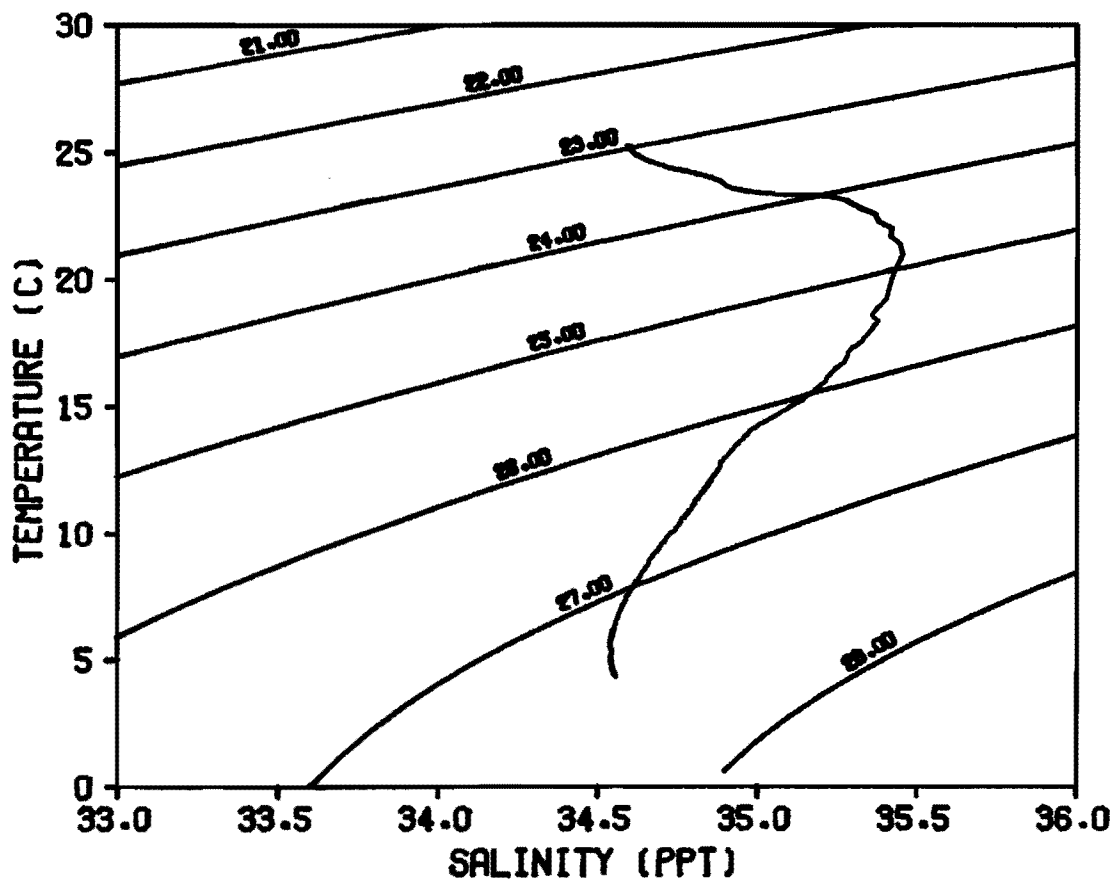


CAST EP2-79-DI-034 DATE 06 FEB 79 TIME 0200 GMT
 LAT 040.45 LONG 110 00.34 WEATHER 1 VISUAL STATE 3
 BAROMETER 11 WIND DIR 185 T SPD 09 KT WAVE STATE 7
 CLOUD 6 AMOUNT 6 DRY 25.0 MET 23.5 DEPTH 3650 M

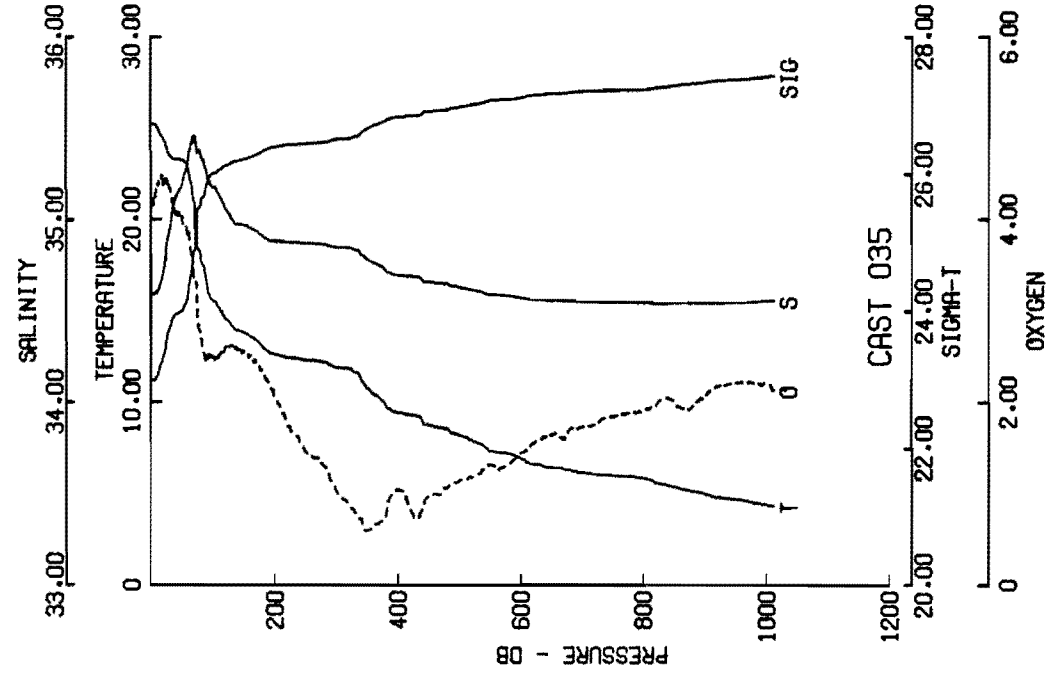


PRES (DB)	TEMP (C)	SAL (PPT)	OKY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	10.541	34.511	4.61	22.825	.000
10	10.466	34.513	4.537	22.850	.050
20	10.455	34.519	4.331	22.810	.136
30	10.515	34.579	4.19	22.804	.175
40	10.205	34.912	3.927	22.418	.215
50	10.099	35.227	3.86	22.405	.285
60	10.772	35.394	3.86	22.503	.313
70	10.438	35.481	3.98	22.546	.339
80	10.470	35.388	3.86	22.582	.362
90	10.347	35.214	3.84	22.595	.382
100	10.673	35.067	3.84	22.596	.404
110	10.245	35.065	3.82	22.608	.425
120	10.085	35.032	3.78	22.608	.445
130	10.371	34.992	3.72	22.615	.463
140	10.039	34.960	3.64	22.619	.482
150	10.658	34.921	3.58	22.621	.502
160	10.408	34.915	3.55	22.622	.521
170	10.292	34.909	3.55	22.622	.539
180	10.510	34.881	3.55	22.625	.556
190	10.744	34.838	3.57	22.641	.625
200	10.317	34.691	3.52	22.657	.702
250	8.517	34.648	3.75	22.684	.870
300	8.247	34.636	3.72	22.693	.933
350	7.489	34.599	3.72	22.697	.950
400	6.120	34.583	3.00	22.705	1.050
450	6.490	34.554	1.13	22.714	1.155
500	5.919	34.552	1.13	22.716	1.204
550	5.486	34.540	1.13	22.720	1.253
600	5.274	34.540	1.13	22.723	1.294
650	4.850	34.541	1.02	22.730	1.344
700	4.510	34.552	1.02	22.734	1.387
750	4.374	34.557	1.02	22.737	1.417
800		34.559	1.00	22.741	
850		34.559	1.00	22.745	
900		34.559	1.00	22.749	
950		34.559	1.00	22.753	
1000		34.559	1.00	22.757	

CAST EP2-79-01-035 DATE 06 FEB 79 TIME 0628 GMT
LAT 1 00.0S LONG 110 00.0W

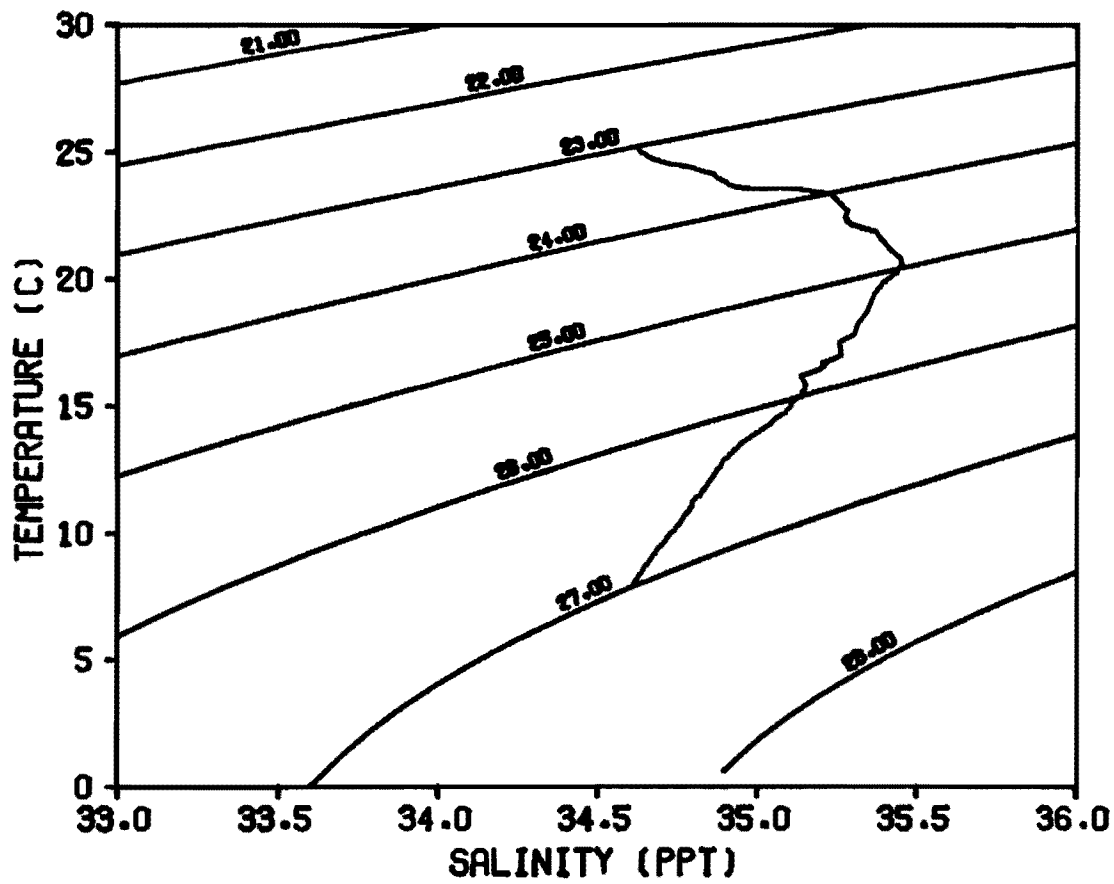


CAST 182-79-DI-035 DATE 06 FEB 79 TIME 0628 GMT
 LAT 100.05 LONG 110 00.04 WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 180.1 SPD 07 KT VISIBILITY 7
 CLOUD 6 AMOUNT 6 WET DRY 24.9 23.5 WET 23.5 DEPTH 3928 M

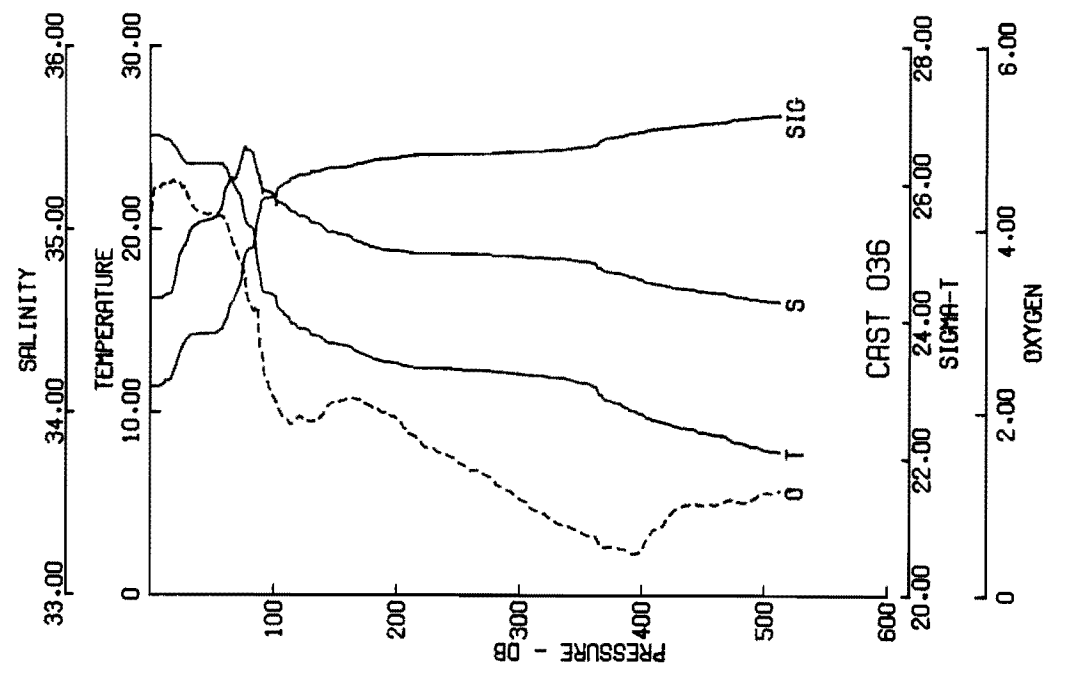


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	4.339	34.557	2.14	27.420	.000
10	4.611	34.543	2.20	27.372	.049
20	5.371	34.545	2.07	27.292	.181
30	5.998	34.545	1.84	27.232	.220
40	6.428	34.545	1.65	27.188	.259
50	6.794	34.545	1.50	27.155	.293
60	7.094	34.545	1.38	27.130	.324
70	7.315	34.545	1.27	27.110	.345
80	7.428	34.545	1.17	27.099	.365
90	7.472	34.545	1.09	27.099	.385
100	7.472	34.545	1.04	27.102	.405
110	7.428	34.545	1.01	27.107	.424
120	7.315	34.545	0.99	27.112	.443
130	7.172	34.545	0.97	27.117	.462
140	7.003	34.545	0.96	27.122	.480
150	6.847	34.545	0.95	27.127	.498
160	6.660	34.545	0.94	27.132	.516
170	6.440	34.545	0.93	27.137	.533
180	6.191	34.545	0.92	27.142	.550
190	5.915	34.545	0.91	27.147	.567
200	5.615	34.545	0.90	27.152	.584
250	4.794	34.545	0.82	27.167	.631
300	4.094	34.545	0.74	27.182	.678
350	3.428	34.545	0.66	27.197	.725
400	2.754	34.545	0.59	27.212	.772
450	2.081	34.545	0.52	27.227	.819
500	1.408	34.545	0.45	27.242	.866
550	0.734	34.545	0.38	27.257	.913
600	0.061	34.545	0.31	27.272	.960
650		34.545	0.24	27.287	1.007
700		34.545	0.17	27.302	1.054
750		34.545	0.10	27.317	1.101
800		34.545	0.03	27.332	1.148
850		34.545	0.00	27.347	1.195
900		34.545	0.00	27.362	1.242
950		34.545	0.00	27.377	1.289
1000		34.545	0.00	27.392	1.336
1011		34.545	0.00	27.407	1.383

CAST EP2-79-DI-036 DATE 06 FEB 79 TIME 0943 GMT
LAT 1 15.0S LONG 110 00.0W

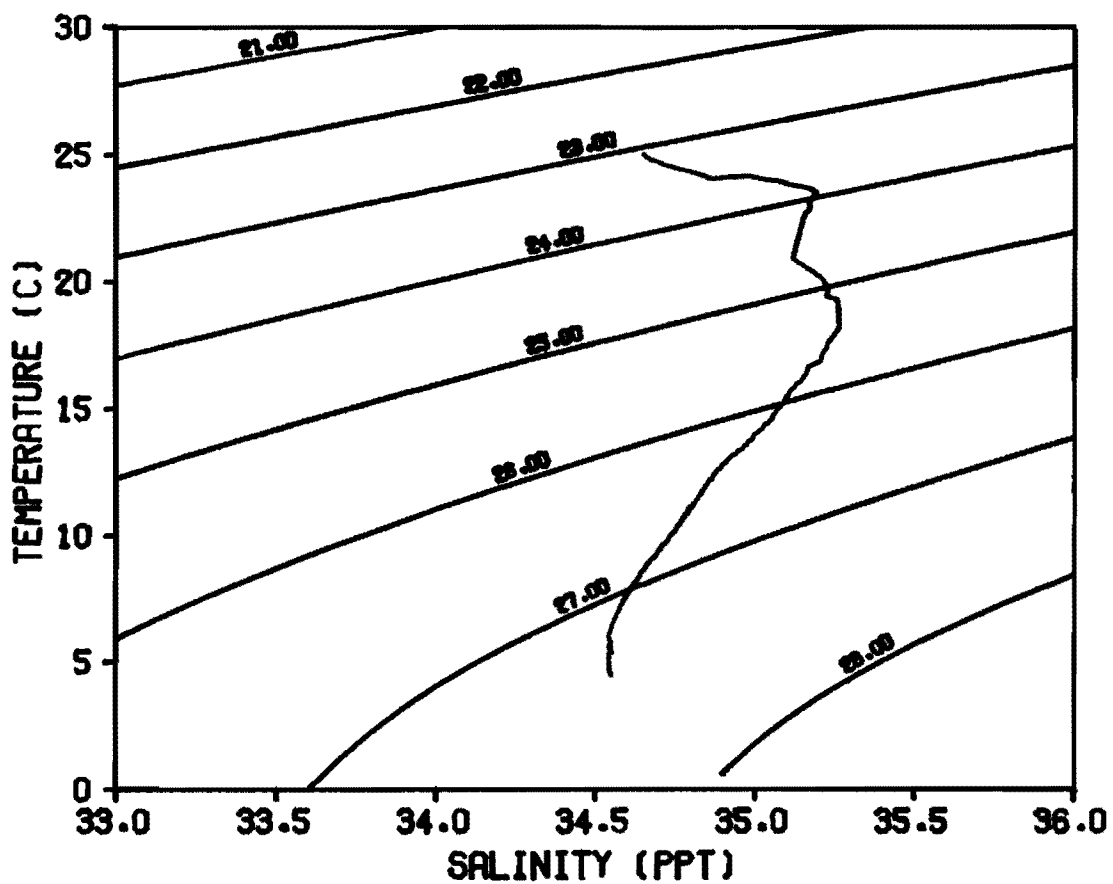


CAST EP2-79-DI-036 DATE 06 FEB 79 TIME 0943 GMT
 LAT 15.05 LONG 110 00.0W SEA STATE 3
 BAROMETER AMOUNT 8 WIND DIR 190.1 SPD 12. KT VISIBILITY 7
 CLOUD WEATHER 2 WET 23.3 WET 23.3 DEPTH 3843 M

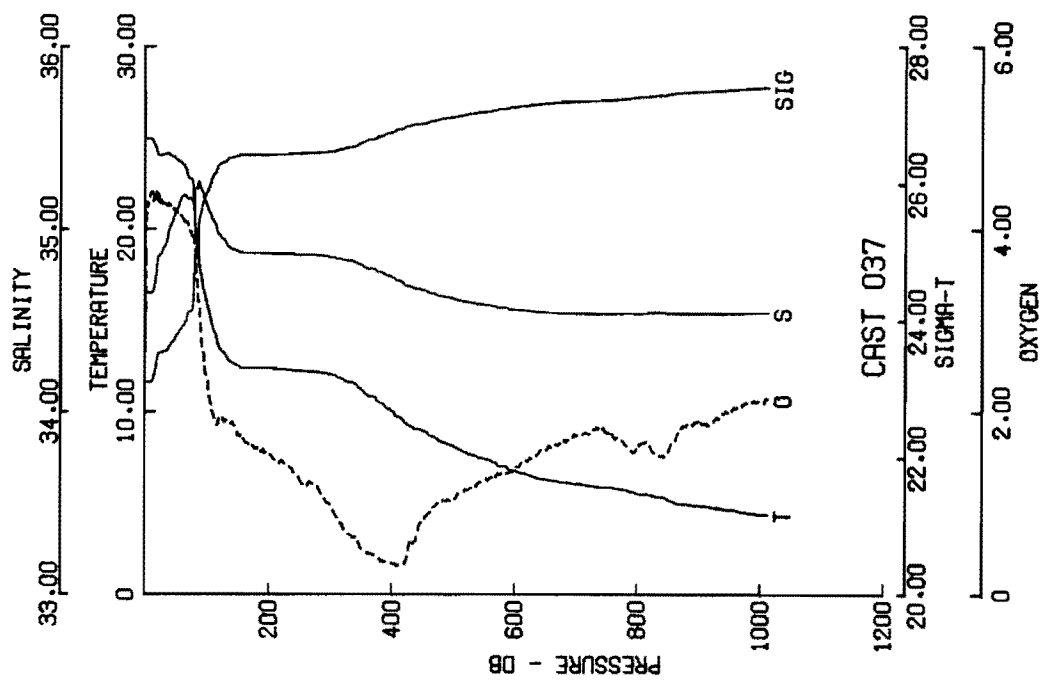


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	11.0	34.625	4.24	23.043	.000
10	11.0	34.620	4.20	23.042	.048
20	11.0	34.622	4.52	23.046	.139
30	11.0	34.620	4.37	23.049	.181
40	11.0	35.039	4.29	23.053	.222
50	11.0	35.060	4.12	23.086	.260
60	11.0	35.296	3.73	23.428	.339
70	11.0	35.435	3.21	23.428	.381
80	11.0	35.262	3.68	23.574	.403
90	11.0	35.198	2.16	23.817	.422
100	11.0	35.133	1.95	23.918	.460
110	11.0	35.080	1.99	23.975	.479
120	11.0	35.020	1.97	23.975	.515
130	11.0	35.020	1.97	23.975	.550
140	11.0	35.020	1.97	23.975	.567
150	11.0	34.988	1.10	23.975	.614
160	11.0	34.970	1.15	23.975	.615
170	11.0	34.934	1.14	23.975	.615
180	11.0	34.910	1.06	23.975	.615
190	11.0	34.892	1.01	23.975	.615
200	11.0	34.888	1.01	23.975	.615
250	11.0	34.868	1.01	23.975	.615
300	11.0	34.829	1.06	23.975	.615
350	11.0	34.829	1.06	23.975	.615
400	11.0	34.730	1.06	23.975	.615
450	11.0	34.665	1.06	23.975	.615
500	11.0	34.665	1.06	23.975	.615
512	11.0	34.606	1.15	23.975	.615

CAST EP2-79-DI-037 DATE 06 FEB 79 TIME 1210 GMT
LAT 1 28.4S LONG 110 00.4W

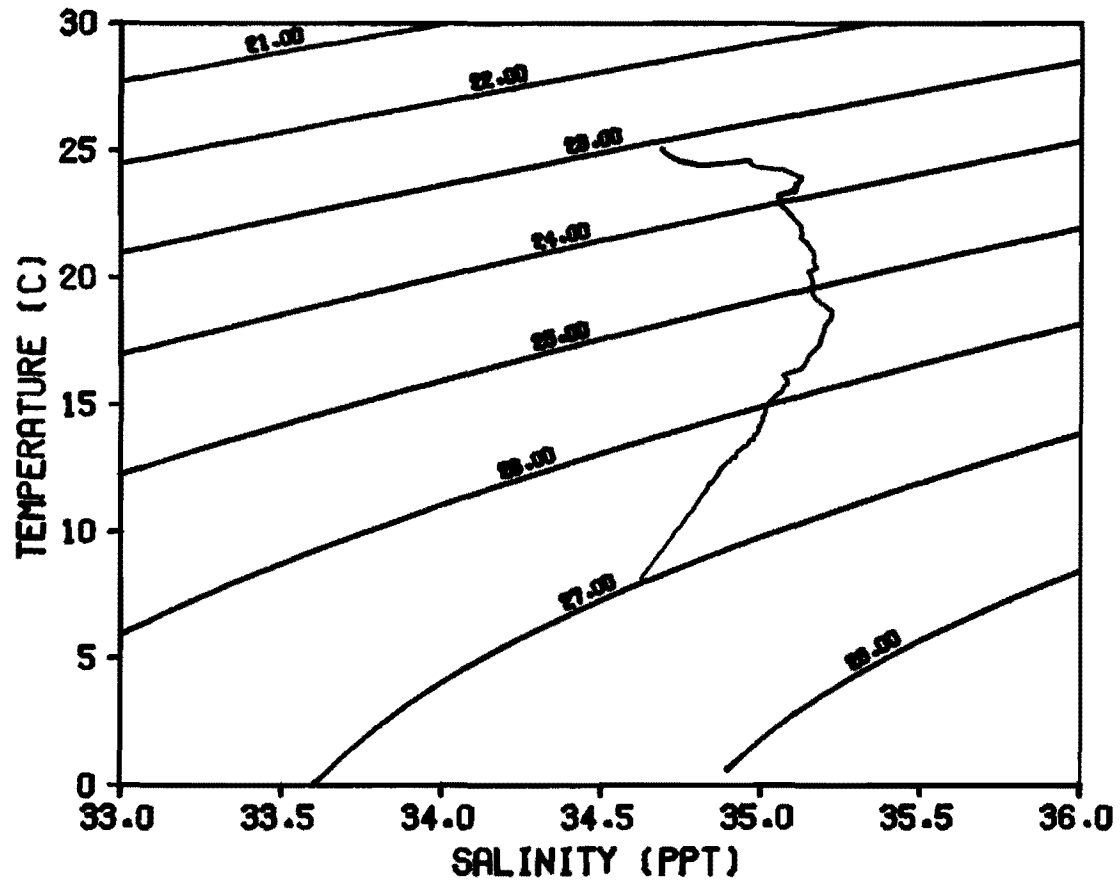


CAST EP2-79-DI-037 DATE 06 FEB 79 TIME 1210 GMT
 LAT 28.45 LONG 110.00 SEA STATE 1
 BAROMETER 09 WIND DIR 195 T SPD 10 KT WEATHER 1
 CLOUD AMOUNT WET 23.4 MET 23.4 DEPTH 4380 M



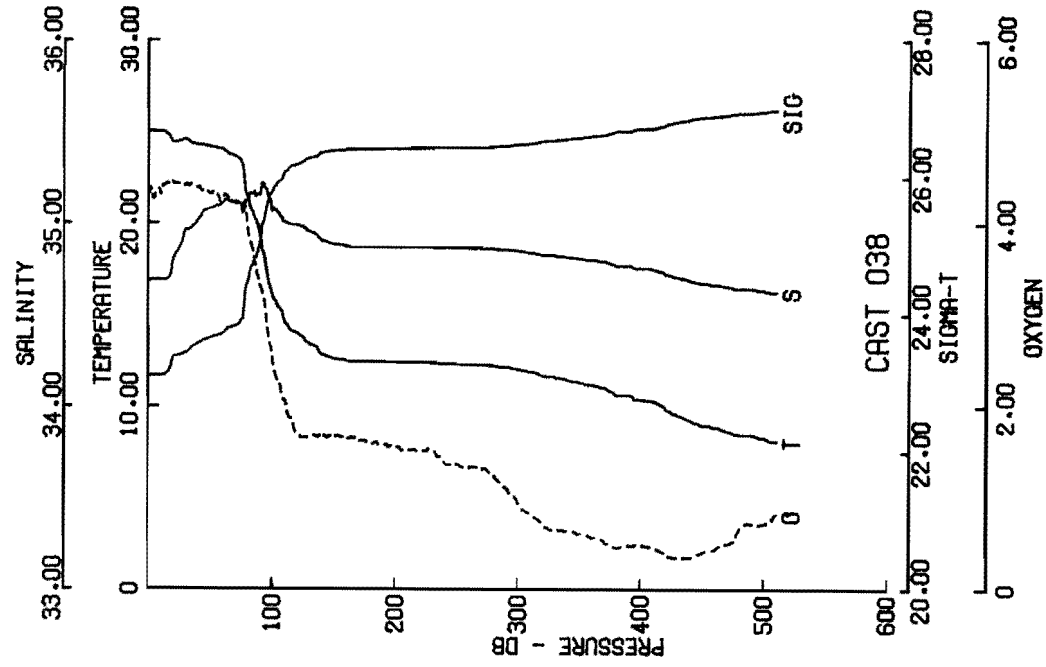
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	24.972	34.651	3.16	23.105	.000
10	24.955	34.654	3.40	23.112	.048
20	24.926	34.813	4.43	23.142	.138
30	24.909	35.001	4.28	23.152	.182
40	24.892	35.091	4.21	23.163	.265
50	23.889	35.174	4.17	23.175	.305
60	22.844	35.118	3.98	23.186	.371
70	21.697	35.122	3.40	23.195	.394
80	16.037	35.055	2.92	23.201	.433
100	14.679	35.074	1.90	23.217	.451
120	13.546	34.939	1.88	23.222	.468
140	13.746	34.896	1.87	23.231	.485
150	12.567	34.874	1.71	23.240	.501
170	12.440	34.874	1.65	23.242	.518
180	12.436	34.873	1.58	23.244	.534
200	12.429	34.872	1.53	23.248	.551
250	12.279	34.864	1.28	23.254	.651
300	11.089	34.851	1.09	23.260	.733
350	10.289	34.811	.89	23.266	.816
400	9.110	34.772	.81	23.270	.886
450	8.012	34.626	.81	23.273	.952
500	7.177	34.592	.81	23.277	1.010
550	6.809	34.565	.66	23.277	1.070
600	6.334	34.550	.61	23.277	1.174
650	6.085	34.542	.61	23.277	1.223
700	5.905	34.543	.56	23.277	1.271
750	5.523	34.544	.56	23.277	1.316
800	5.223	34.544	.56	23.277	1.363
850	4.909	34.544	.56	23.277	1.407
900	4.673	34.544	.56	23.277	1.447
950	4.443	34.548	.56	23.277	1.487
1000	4.423	34.549	.56	23.277	1.487
1012					

CAST EP2-79-01-038 DATE 06 FEB 79 TIME 1535 GMT
LAT 1 43.8S LONG 110 00.0W

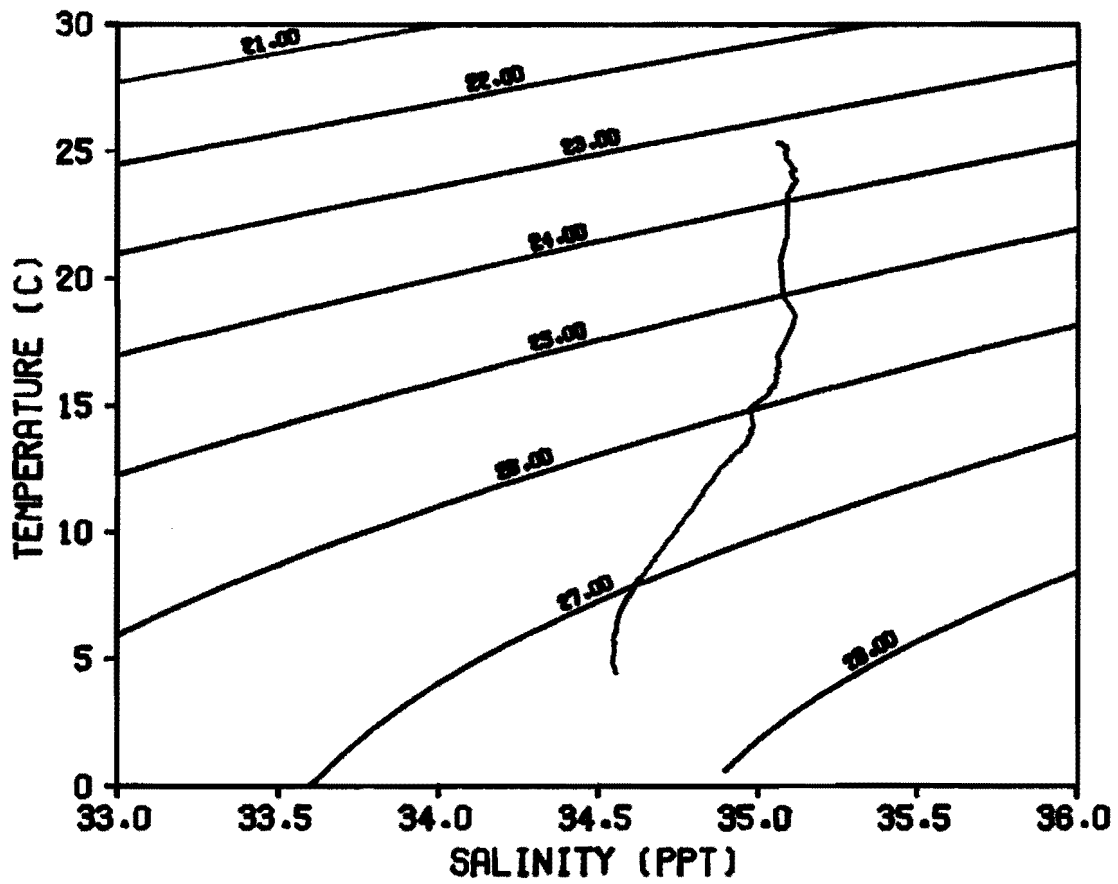


CAST EP2-79-DI-038 DATE 06 FEB 79 TIME 1535 GMT
 LAT 1431.8 S LONG 110 00.0 W WEATHER 1
 BAROMETER 13 WIND DIR 170 T SPD 14 KT VISIBILITY 7
 CLOUD 2 AMOUNT 3 MET 25.9 WET 23.9 DEPTH 3750 M

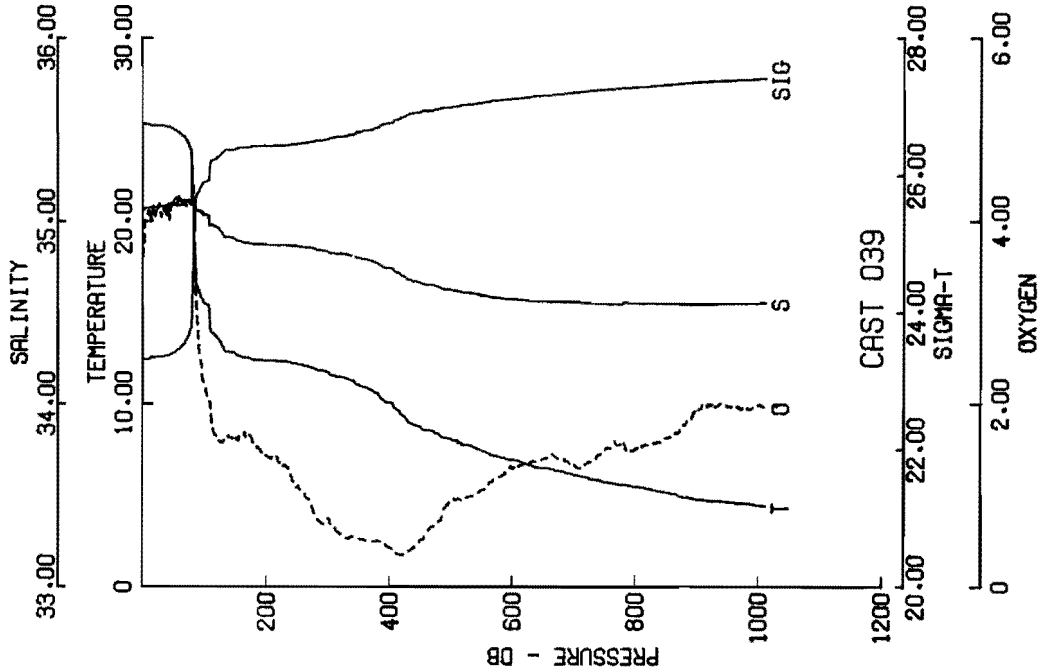
PRSS (DB)	TEMP (C)	SAL (PPT)	DOY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	25.047	34.691	4.33	23.112	.000
10	25.027	34.689	4.31	23.110	.048
20	24.625	34.805	4.46	23.336	.095
30	24.625	34.802	4.42	23.478	.140
40	24.319	35.016	4.39	23.578	.184
50	24.057	35.112	4.29	23.626	.226
60	23.689	35.112	4.24	23.836	.310
70	23.468	35.123	4.06	24.038	.349
80	23.128	35.157	3.87	24.250	.382
90	22.639	35.066	3.57	24.477	.407
100	22.031	34.912	2.08	24.709	.428
110	21.435	34.994	1.70	24.931	.447
120	20.868	34.911	1.67	25.168	.466
130	20.327	34.890	1.65	25.399	.501
140	19.816	34.881	1.68	25.620	.517
150	19.327	34.893	1.63	25.842	.535
160	18.867	34.872	1.59	26.064	.550
170	18.433	34.871	1.57	26.286	.566
180	18.016	34.862	1.51	26.508	.583
190	17.616	34.851	1.36	26.730	.666
200	17.230	34.841	1.05	26.952	.749
250	16.372	34.821	.61	27.174	.828
300	15.973	34.805	.49	27.396	.902
350	15.283	34.835	.49	27.618	.969
400	14.106	34.826	.82	27.840	1.030
450	12.883	34.826			
500	11.626	34.826			
510	11.066	34.826			



CAST EP2-79-DI-039 DATE 06 FEB 79 TIME 1808 GMT
LAT 2 00.0S LONG 110 00.1W

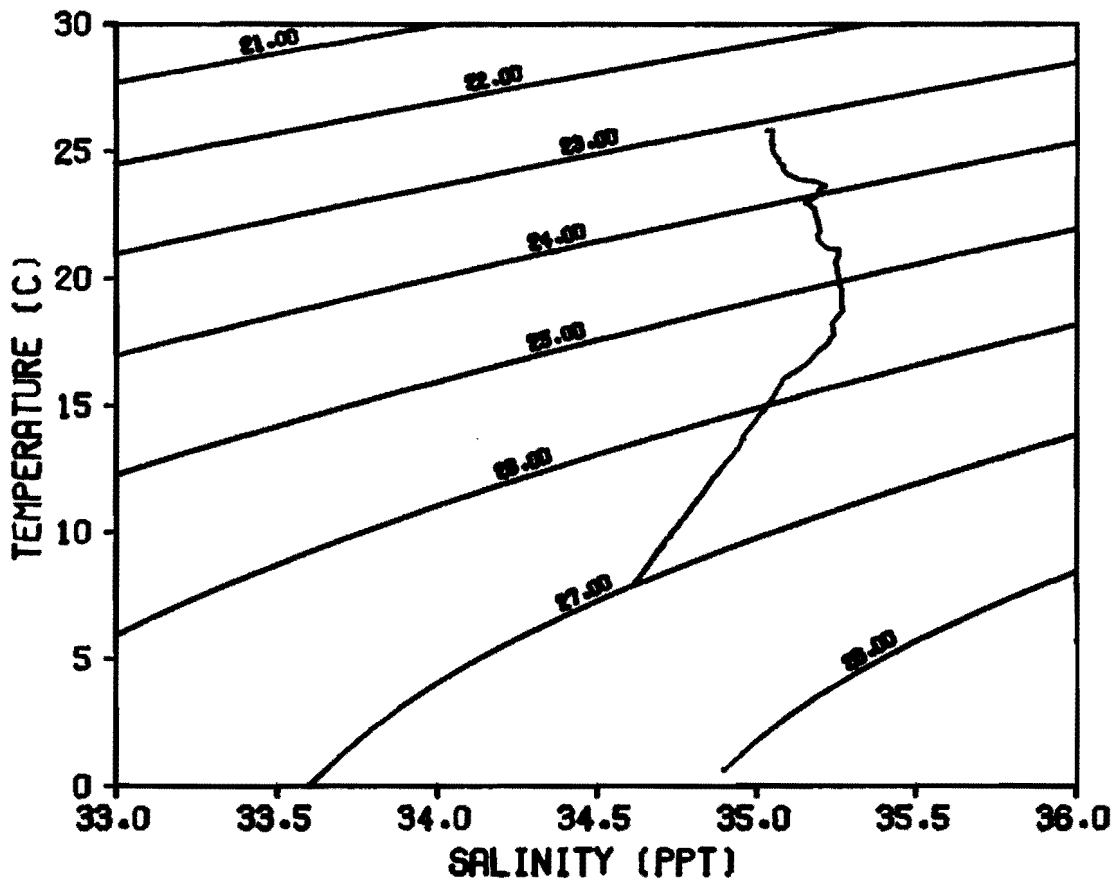


EP2-79-DI-039 DATE 06 FEB 79 TIME 1808 GMT
 CAST 2 00.05 LONG 110 00.14 WEATHER 1 SEA STATE 3
 LAT 2 00.05 LONG 110 00.14 WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 1 DRY 27.0 WET 24.2 DEPTH 3800 M

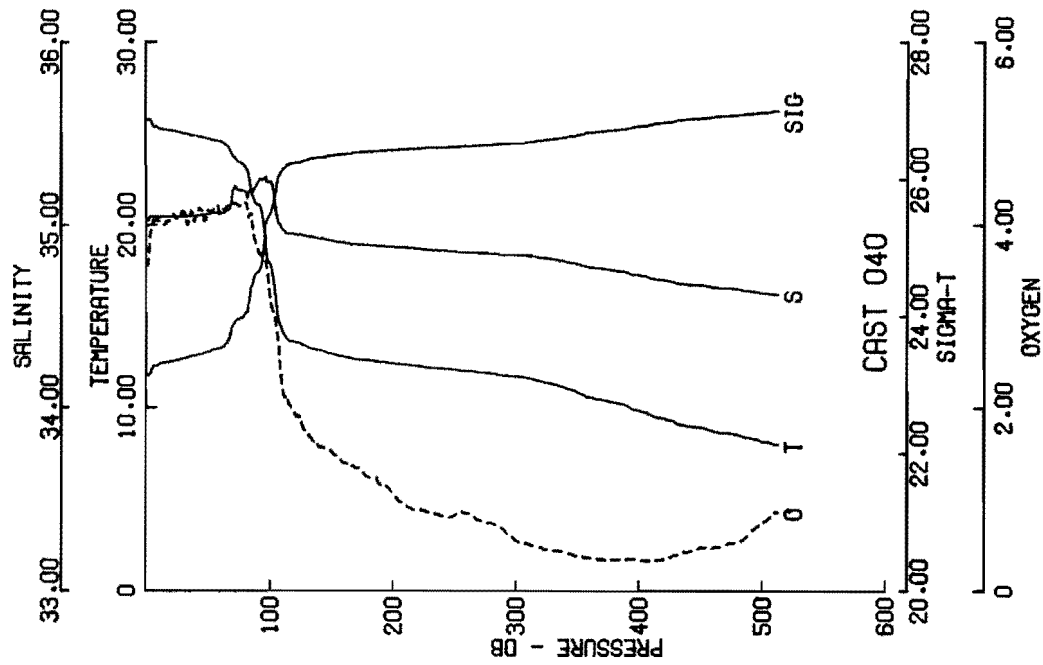


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	25.326	35.056	3.57	23.304	.000
10	25.326	35.061	3.61	23.306	.046
20	25.308	35.074	4.12	23.322	.091
30	25.226	35.077	4.05	23.349	.137
40	25.180	35.081	4.09	23.355	.182
50	25.102	35.090	4.19	23.409	.227
60	24.844	35.089	4.29	23.438	.272
70	24.300	35.092	4.18	23.534	.316
80	23.300	35.093	4.29	23.730	.359
90	21.515	35.036	4.21	23.902	.386
100	19.917	34.975	4.19	24.186	.408
110	18.617	34.967	4.63	24.539	.428
120	17.097	34.926	4.58	24.834	.448
130	15.841	34.912	4.63	25.137	.465
140	14.725	34.901	4.63	25.374	.482
150	13.525	34.881	4.64	25.630	.499
160	12.523	34.876	4.67	25.913	.516
170	11.744	34.874	4.57	26.229	.533
180	11.079	34.874	4.50	26.543	.549
190	10.382	34.863	4.49	26.854	.566
200	9.741	34.836	4.49	27.169	.582
250	8.048	34.799	4.43	27.529	.665
300	7.077	34.744	4.43	27.850	.746
350	6.079	34.663	4.49	28.177	.823
400	5.035	34.572	4.92	28.509	.895
450	4.907	34.572	5.05	28.842	.960
500	4.906	34.560	5.05	29.177	1.020
550	4.906	34.556	5.05	29.511	1.076
600	4.906	34.547	5.05	29.846	1.130
650	4.906	34.547	5.05	30.181	1.181
700	4.906	34.547	5.05	30.516	1.230
750	4.906	34.547	5.05	30.851	1.278
800	4.906	34.547	5.05	31.186	1.323
850	4.906	34.547	5.05	31.521	1.367
900	4.906	34.547	5.05	31.856	1.409
950	4.906	34.547	5.05	32.191	1.450
1000	4.906	34.547	5.05	32.526	1.489
1011	4.906	34.547	5.05	32.861	1.528

CAST EP2-79-DI-040 DATE 06 FEB 79 TIME 2245 GMT
LAT 2 30.0S LONG 110 00.0W

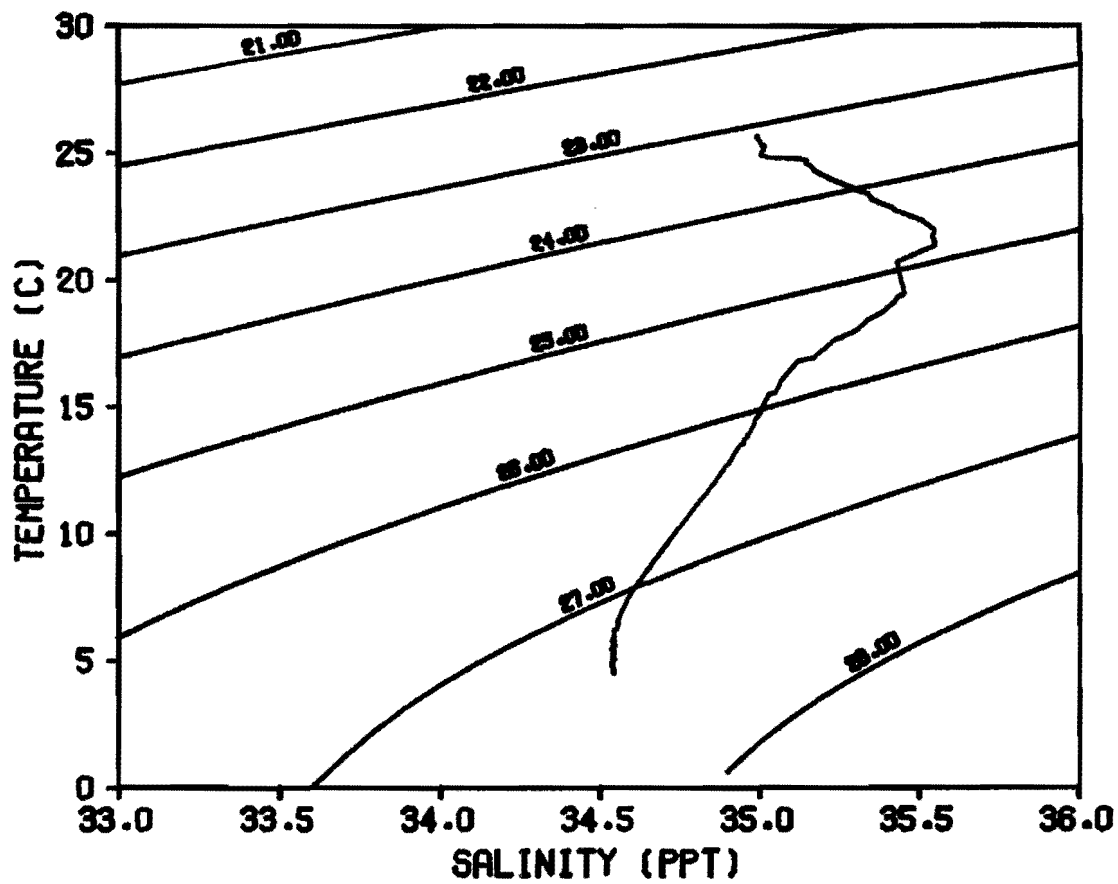


CAST EP2-79-01-040 DATE 06 FEB 79 TIME 2245 GMT
 LAT 230.05 LONG 110 00.0M WEATHER 1 SEA STATE 4
 BAROMETER 09 WIND DIR 140 T SPD 16 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 25.7 WET 23.7 DEPTH 3822 M

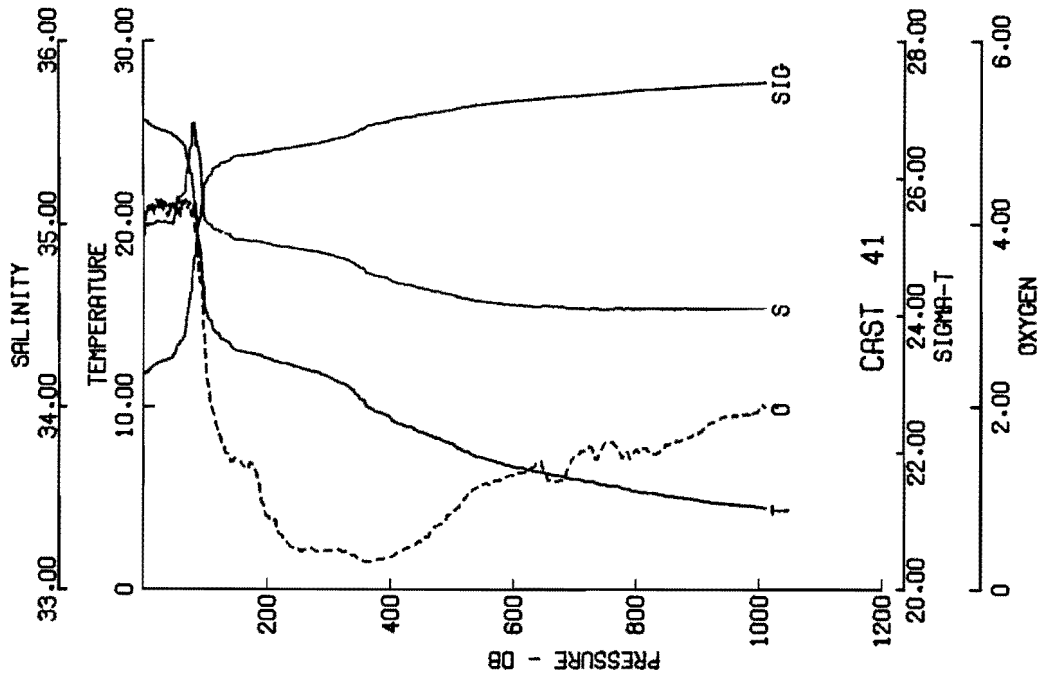


PRES (DB)	TEMP (C)	SAL (PPT)	UXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	25.956	35.026	3.65	23.086	.000
1	25.796	35.029	3.56	23.183	.047
10	25.365	35.046	4.08	23.233	.138
30	25.054	35.049	4.15	23.381	.183
40	24.905	35.053	4.17	23.478	.228
50	24.757	35.060	4.16	23.533	.272
60	24.600	35.070	4.23	23.596	.315
70	23.818	35.186	4.24	24.037	.355
80	23.136	35.227	3.76	24.645	.391
90	21.947	35.239	3.25	25.138	.443
100	17.255	34.985	3.25	26.136	.461
110	13.377	34.952	1.97	26.289	.477
120	13.377	34.930	1.58	26.324	.497
130	13.164	34.920	1.53	26.351	.514
140	12.817	34.908	1.40	26.376	.531
150	12.658	34.897	1.34	26.399	.548
160	12.601	34.894	1.25	26.420	.565
170	12.511	34.889	1.17	26.439	.581
180	12.441	34.883	1.07	26.457	.598
190	12.392	34.879	1.02	26.474	.615
200	12.357	34.875	1.02	26.489	.632
250	11.886	34.840	1.02	26.534	.680
300	10.919	34.791	1.02	26.652	.760
350	9.919	34.731	1.02	26.780	.837
400	8.919	34.673	1.02	26.895	.908
450	8.151	34.628	1.02	26.979	.973
500	7.978	34.620	1.02	26.999	1.034

CAST EP2-79-01-041 DATE 07 FEB 79 TIME 0208 GMT
LAT 3 00.0S LONG 110 00.0W

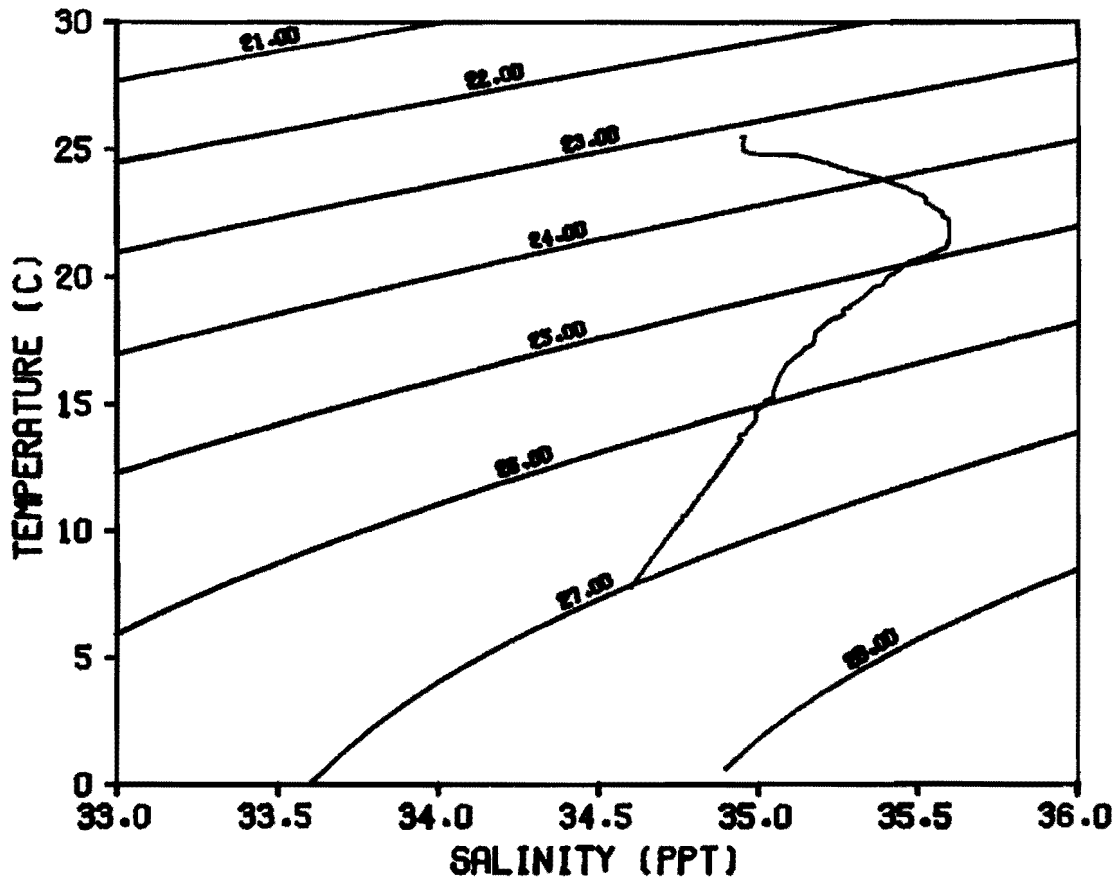


CAST EP2-79-DI-041 DATE 07 FEB 79 TIME 0208 GMT
 LAT 3 00.0S LONG 110 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 140 T SPD 14 KT VISIBILITY 7
 CLOUD 6 AMOUNT 5 DRY 25.4 WET 23.6 DEPTH 3715 M

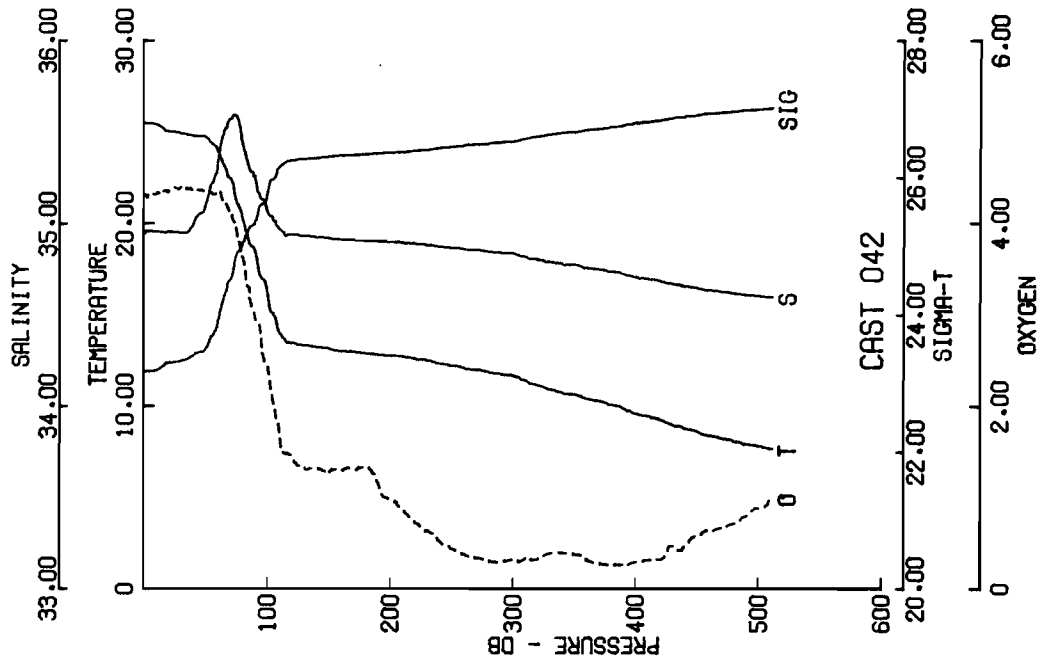


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	5.656	34.987	3.78	23.151	.000
10	5.632	34.987	3.73	23.156	.047
20	5.611	35.010	4.17	23.218	.094
30	5.596	35.011	4.29	23.334	.139
40	5.580	35.006	4.07	23.448	.185
50	5.566	35.036	4.17	23.519	.230
60	5.546	35.150	4.08	23.615	.274
70	5.520	35.274	4.15	23.961	.316
80	5.496	35.396	4.23	24.675	.353
90	5.474	35.521	3.40	25.381	.383
100	5.454	35.644	2.60	26.087	.407
110	5.435	35.767	2.72	26.793	.426
120	5.417	35.891	1.57	27.500	.446
130	5.400	36.015	1.43	28.207	.463
140	5.385	36.140	1.43	28.914	.501
150	5.370	36.264	1.37	29.621	.518
160	5.355	36.388	1.34	30.328	.535
170	5.340	36.512	1.35	31.035	.553
180	5.325	36.636	1.30	31.742	.570
190	5.310	36.760	1.00	32.449	.670
200	5.295	36.884	.81	33.156	.750
250	5.226	34.836	.43	26.546	.894
300	5.157	34.765	.35	26.701	.826
350	5.088	34.694	.33	26.856	.897
400	5.019	34.623	.33	27.011	.957
450	4.950	34.552	.33	27.166	.017
500	4.881	34.481	.33	27.321	.172
550	4.812	34.410	.33	27.476	.327
600	4.743	34.339	.33	27.631	.482
650	4.674	34.268	.33	27.786	.637
700	4.605	34.197	.33	27.941	.792
750	4.536	34.126	.33	28.096	.947
800	4.467	34.055	.33	28.251	1.102
850	4.398	34.024	.33	28.406	1.257
900	4.329	34.053	.33	28.561	1.412
950	4.260	34.082	.33	28.716	1.567
1000	4.191	34.111	.33	28.871	1.722
1010	4.173	34.111	.33	28.926	1.877

CAST EP2-79-DI-042 DATE 07 FEB 79 TIME 0714 GMT
LAT 3 30.0S LONG 109 59.6W

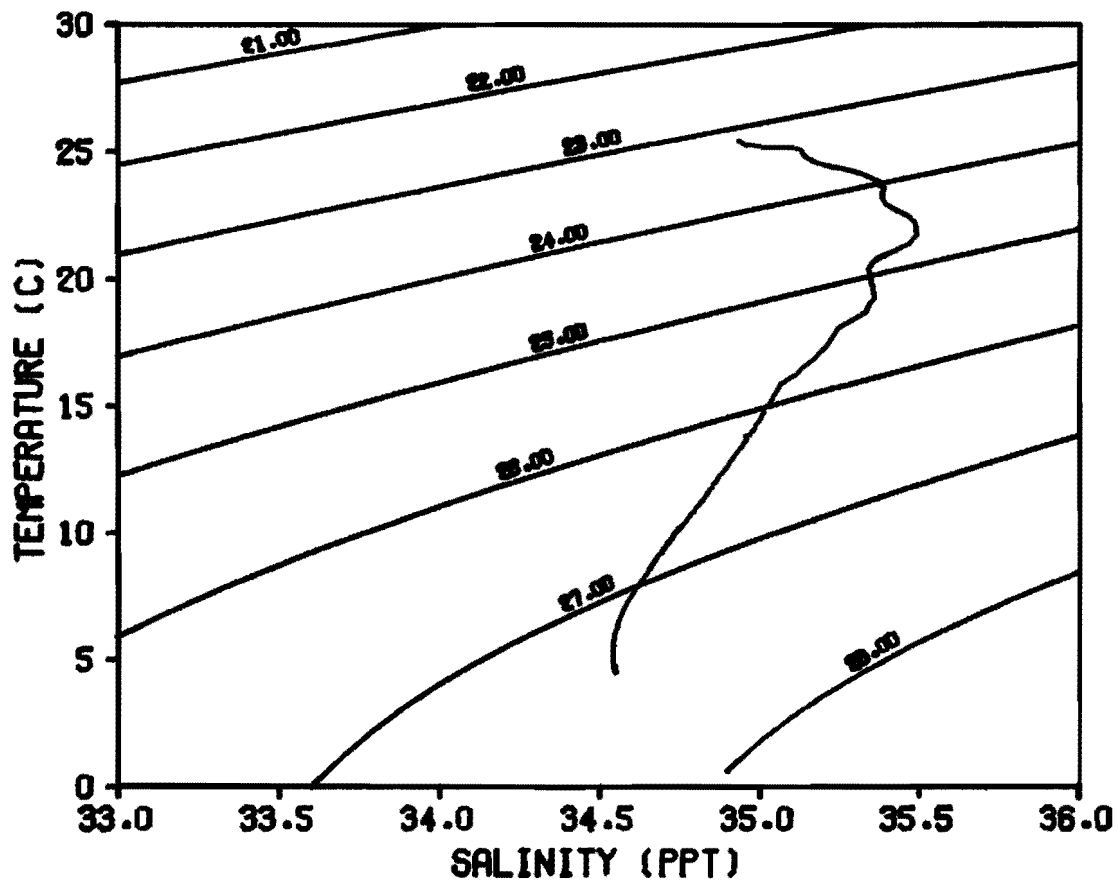


CAST EP2-79-DI-042 DATE 07 FEB 79 TIME 0714 GMT
 LAT 33.05 LONG 109.59.6W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 140T SPD 15 KT VISIBILITY 7
 CLOUD 9 AMOUNT 2 DRY 25.5 WET 23.7 DEPTH 3950 M

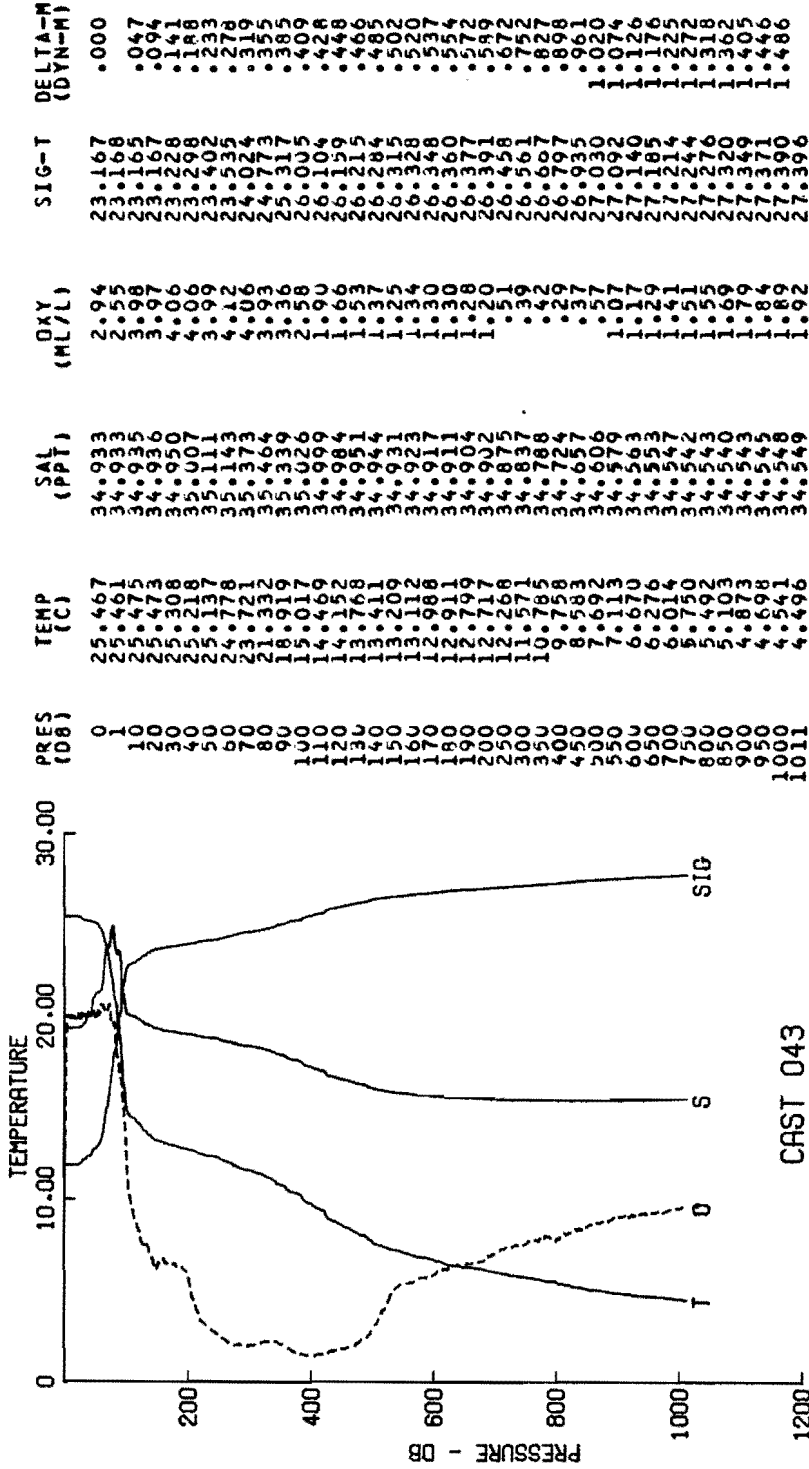


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	25.499	34.954	4.33	23.176	.000
1	25.496	34.947	4.333	23.168	.047
10	25.442	34.956	4.335	23.194	.093
20	25.966	34.955	4.40	23.306	.139
30	24.827	34.953	4.37	23.335	.185
40	24.766	34.955	4.38	23.509	.229
50	23.963	35.347	4.354	23.932	.272
70	22.498	35.378	4.308	24.533	.308
80	20.194	35.446	3.98	25.062	.340
90	18.462	35.266	2.47	25.377	.368
100	16.093	35.071	2.67	25.174	.392
110	14.507	34.643	1.65	26.264	.431
120	13.367	34.935	1.33	26.289	.449
130	13.268	34.926	1.32	26.313	.466
140	13.181	34.921	1.26	26.334	.484
150	13.046	34.914	1.30	26.340	.501
160	12.915	34.913	1.33	26.353	.519
170	12.828	34.908	1.35	26.366	.536
180	12.794	34.903	1.39	26.375	.553
190	12.700	34.890	.97	26.380	.570
200	12.235	34.869	.44	26.439	.655
250	11.700	34.779	.38	26.539	.735
300	10.628	34.711	.29	26.678	.810
350	8.637	34.652	.28	26.803	.880
400	7.858	34.609	.29	26.923	.944
420	7.692	34.601	.89	27.008	1.003
500			1.00		

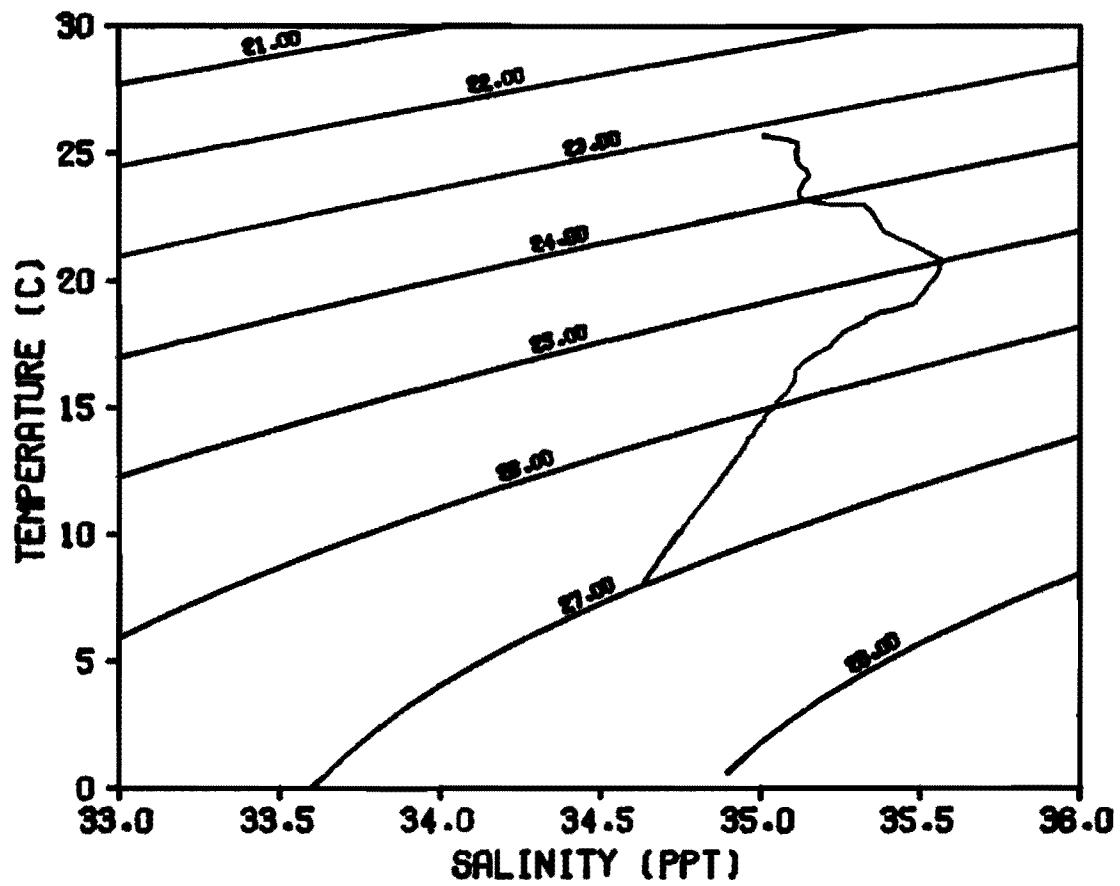
CAST EP2-79-01-043 DATE 07 FEB 79 TIME 1056 GMT
LAT 4 00.0S LONG 110 00.0W



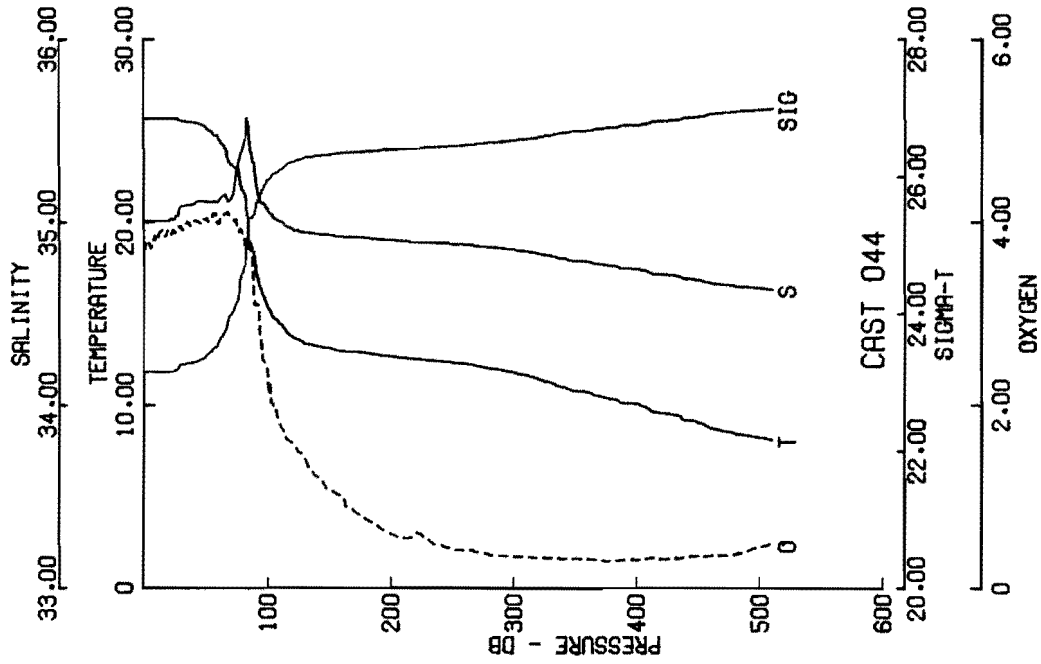
CAST EP2-79-DI-043 DATE 07 FEB 79 TIME 1056 GMT
 LAT 4 00.0S LONG 110 00.0W WEATHER 1 SEA STATE 4
 BAROMETER 10 WIND DIR 120 T SPD 17 KT VISIBILITY 7
 CLOUD 9 AMOUNT 2 WET DRY 25.0 WET 22.6 DEPTH M



CAST EP2-79-01-044 DATE 07 FEB 79 TIME 1540 GMT
LAT 4 30.1S LONG 110 00.0W

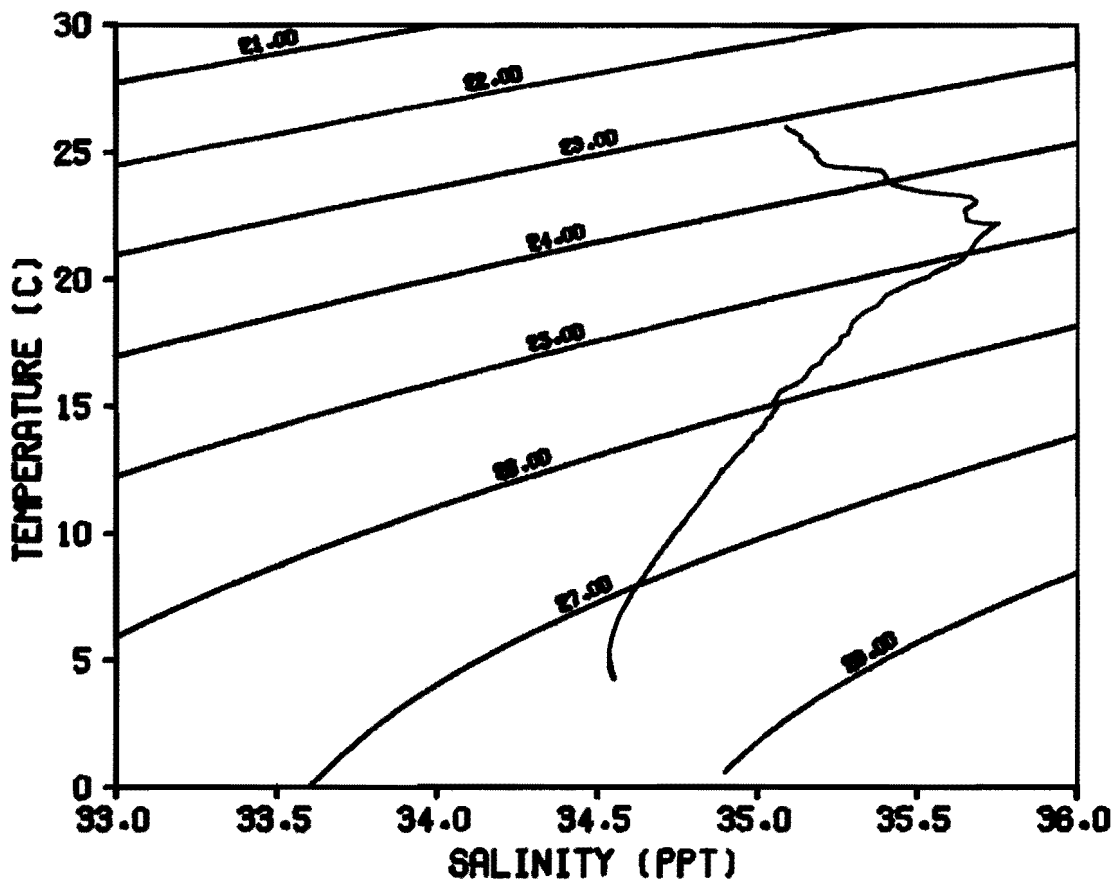


CAST EP2-79-DI-044 DATE 07 FEB 79 TIME 1540 GMT
 LAT 430.15 LONG 110 00.0M WEATHER 1 SEA STATE 4
 BAROMETER 12 WIND DIR 115 T SPD 20 KT VISIBILITY 7
 CLOUD 6 AMOUNT 2 DRY 26.4 WET 23.9 DEPTH 3475 M

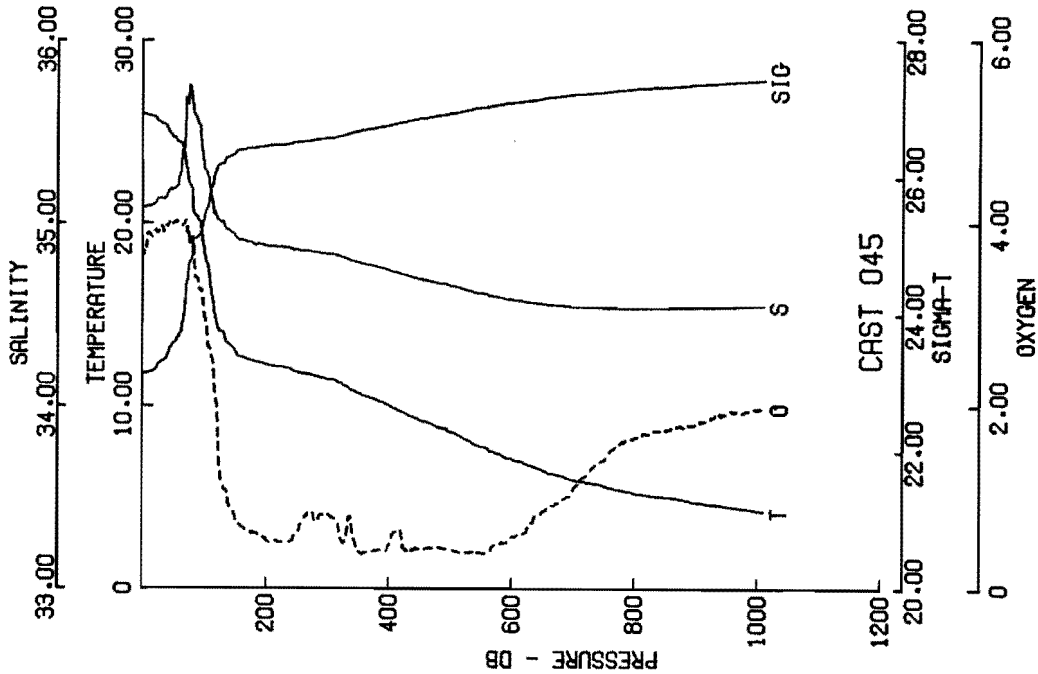


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	25.689	35.007	3.75	23.154	.000
10	25.689	35.007	3.69	23.154	.047
20	25.692	35.008	3.92	23.154	.142
30	25.692	35.008	3.96	23.258	.188
40	25.477	35.098	4.03	23.376	.234
50	25.231	35.115	4.93	23.559	.320
60	23.209	35.123	4.05	23.984	.357
70	21.765	35.416	3.86	24.613	.386
80	17.938	35.256	3.10	25.500	.408
90	15.387	35.067	2.40	25.954	.429
100	14.479	35.007	1.89	26.108	.447
110	13.392	34.966	1.59	26.222	.465
120	13.396	34.946	1.43	26.286	.483
130	13.250	34.938	1.28	26.328	.501
140	13.151	34.933	1.02	26.355	.518
150	12.974	34.922	1.02	26.373	.535
160	12.860	34.920	.76	26.389	.552
170	12.923	34.916	.68	26.400	.569
180	12.759	34.908	.60	26.452	.586
190	12.627	34.904	.43	26.453	.670
200	11.784	34.851	.33	26.571	.751
250	11.072	34.790	.31	26.670	.898
300	9.072	34.686	.35	26.875	.964
350	8.247	34.641	.48	26.975	1.025
400	8.127	34.634		26.988	

CAST EP2-79-DI-045 DATE 07 FEB 79 TIME 1925 GMT
LAT 5 01.0S LONG 110 00.5W

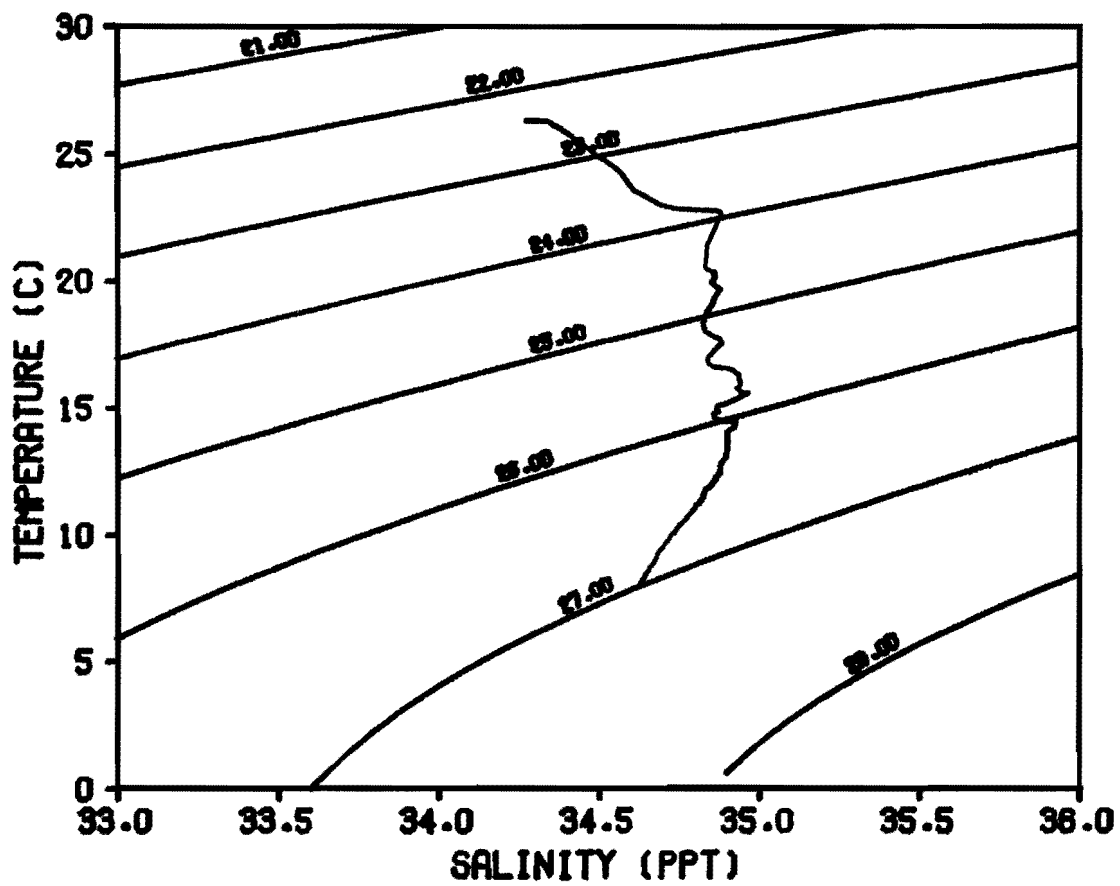


CAST 5 01.05 LONG 110 00.5W DATE 07 FEB 79 TIME 1925 GMT
 BAROMETER 11 WIND DIR 130 T >PD 21 KT WEATHER 4 SEA STATE 3
 CLOUD 6 AMOUNT 2 DRY 27.2 WET 23.6 WET 23.6 VISIBILITY 7
 DEPTH 3638 M



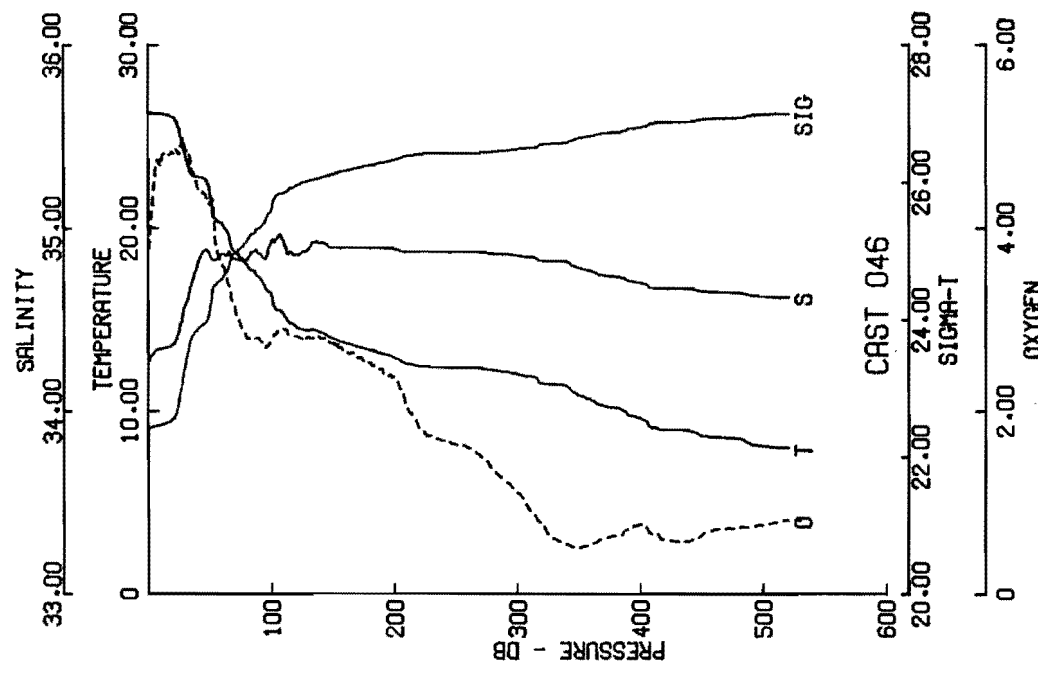
DELTA-M (DYM-M)	SIG-T	OXY (ML/L)	SAL (PPT)	TEMP (C)	PRES (DB)
.000	23.115	3.61	35.089	25.974	0
.047	23.115	3.89	35.093	25.906	10
.095	23.115	3.98	35.107	25.821	20
.141	23.115	3.98	35.137	25.736	30
.187	23.115	4.00	35.148	25.651	40
.231	23.115	4.02	35.177	25.566	50
.274	23.115	3.75	35.220	25.481	60
.315	23.115	3.40	35.266	25.396	70
.378	23.115	3.00	35.312	25.311	80
.405	23.115	2.63	35.332	25.226	90
.451	23.115	2.21	35.332	25.141	100
.470	23.115	1.93	35.332	25.056	110
.488	23.115	1.81	35.332	24.971	120
.506	23.115	1.68	35.332	24.886	130
.522	23.115	1.62	35.332	24.801	140
.539	23.115	1.55	34.930	24.716	150
.572	23.115	1.48	34.908	24.631	160
.588	23.115	1.42	34.898	24.546	170
.647	23.115	1.35	34.887	24.461	180
.660	23.115	1.29	34.879	24.376	190
.677	23.115	1.23	34.856	24.291	200
.723	23.115	1.18	34.833	24.206	250
.740	23.115	1.13	34.787	24.121	300
.760	23.115	1.08	34.745	24.036	350
.780	23.115	1.03	34.661	23.951	400
.800	23.115	0.98	34.619	23.866	450
.820	23.115	0.93	34.586	23.781	500
.830	23.115	0.88	34.562	23.696	550
.840	23.115	0.83	34.540	23.611	600
.850	23.115	0.78	34.538	23.526	650
.860	23.115	0.73	34.538	23.441	700
.870	23.115	0.68	34.538	23.356	750
.880	23.115	0.63	34.538	23.271	800
.890	23.115	0.58	34.538	23.186	850
.900	23.115	0.53	34.538	23.101	900
.910	23.115	0.48	34.538	23.016	950
.920	23.115	0.43	34.538	22.931	1000
.930	23.115	0.38	34.538	22.846	1050
.940	23.115	0.33	34.538	22.761	1100
.950	23.115	0.28	34.538	22.676	1150
.960	23.115	0.23	34.538	22.591	1200

CAST EP2-79-01-046 DATE 09 FEB 79 TIME 0415 GMT
LAT 00 00.6N LONG 110 30.5W

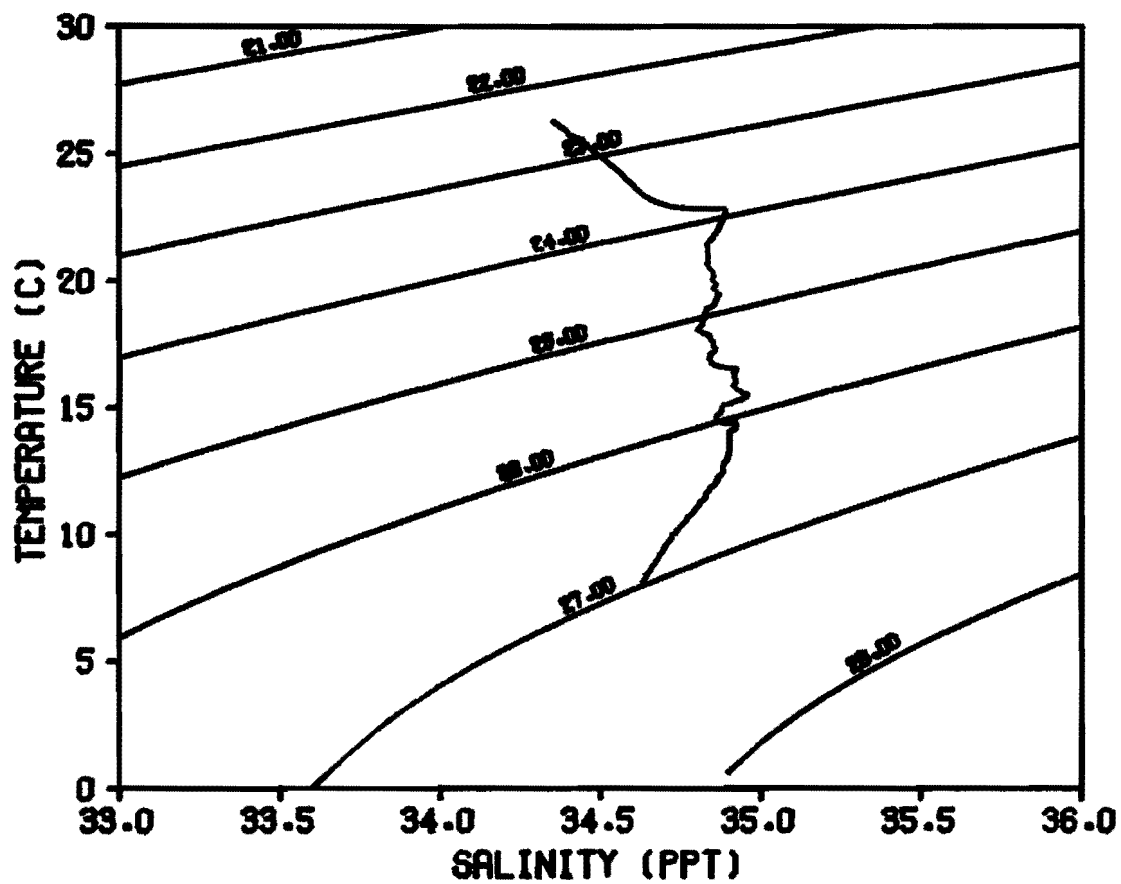


CAST EP2-70-DI-046 DATE 09 FEB 79 TIME 0415 GMT
 LAT 00 00 00 N LONG 110 20 50 W WEATHER 1
 BAROMETER 11 WIND DIR 080 T SPD 12 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 25.3 WET 23.3 DEPTH 3600 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	30.0	34.271	3.74	22.409	.000
10	26.294	34.273	3.68	22.413	.054
20	26.285	34.342	4.83	22.467	.108
30	26.138	34.363	4.84	22.544	.200
40	22.704	34.574	4.44	23.166	.240
50	22.878	34.808	4.29	23.158	.307
60	21.211	34.861	3.13	24.674	.336
70	17.985	34.833	2.78	25.162	.389
80	17.337	34.856	2.90	25.653	.411
90	16.276	34.917	2.80	25.866	.432
100	15.607	34.859	2.80	26.033	.453
120	14.433	34.922	2.75	26.076	.473
130	14.323	34.901	2.75	26.131	.492
140	13.985	34.900	2.69	26.181	.511
150	13.742	34.899	2.53	26.221	.530
160	13.538	34.898	2.44	26.261	.549
170	13.320	34.895	2.35	26.297	.567
180	13.138	34.888	1.84	26.337	.584
200	12.384	34.875	1.12	26.435	.668
250	12.005	34.853	1.01	26.492	.751
300	11.846	34.703	.79	26.654	.839
350	9.593	34.703	.65	26.807	.899
400	8.647	34.623	.75	26.924	.963
450	8.094		.81	26.987	
500	7.995			26.998	1.023

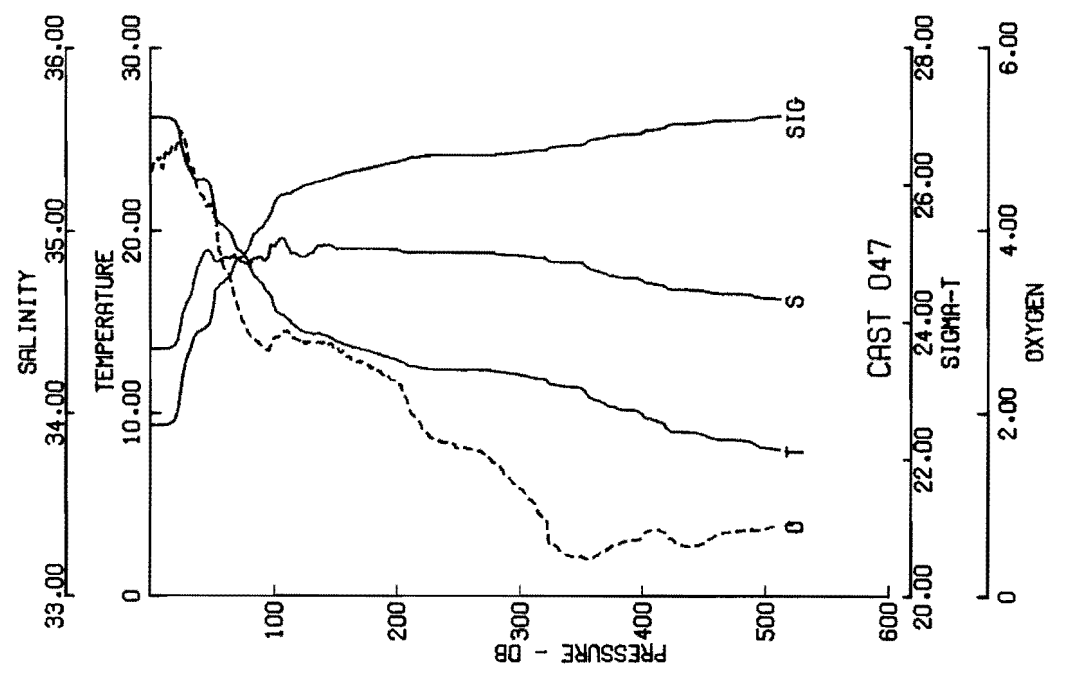


CAST EP2-79-01-047 DATE 09 FEB 79 TIME 0614 GMT
LAT 00 00.9N LONG 110 31.2W

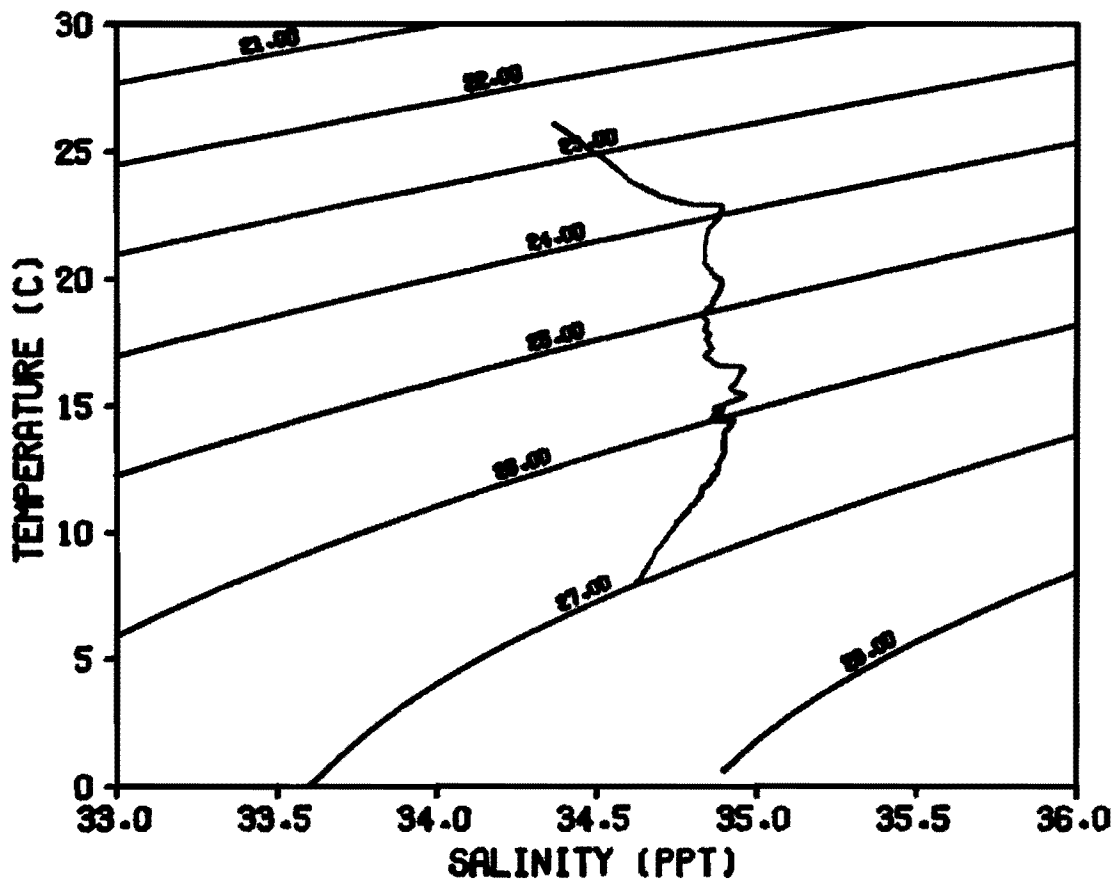


CAST EP2-79-01-047 DATE 09 FEB 79 TIME 0614 GMT
 LAT 00° 00' 9N LONG 110 31.2W SEA STATE 3
 BAROMETER 12 WIND DIR 090 T SPD 13 KT VISIBILITY 7
 CLOUD 8 AMOUNT 4 WET 23.4 WET 23.0 DEPTH 3724 M

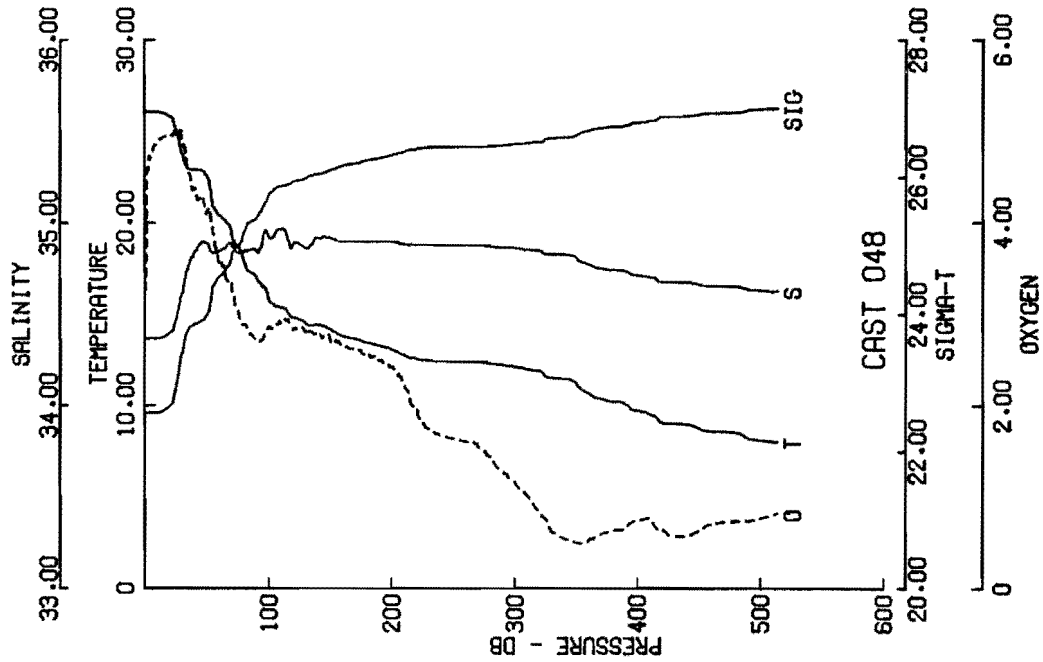
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	26.229	34.354	4.66	22.494	.000
10	26.210	34.355	4.68	22.501	.054
20	26.017	34.377	4.85	22.578	.107
30	23.866	34.613	4.41	23.874	.157
40	22.852	34.850	4.19	24.158	.237
50	20.189	34.853	3.18	24.927	.304
60	18.977	34.849	2.87	25.133	.334
70	17.006	34.847	2.74	25.383	.361
80	15.144	34.914	2.84	25.744	.386
90	15.251	34.919	2.92	25.960	.408
100	14.253	34.866	2.78	26.024	.429
120	14.396	34.922	2.78	26.079	.450
130	14.399	34.901	2.72	26.128	.470
140	13.728	34.901	2.63	26.166	.489
150	13.541	34.903	2.56	26.225	.509
160	13.345	34.901	2.50	26.264	.527
180	12.118	34.900	2.43	26.308	.546
190	12.091	34.893	2.31	26.344	.563
200	12.390	34.878	2.32	26.437	.581
250	11.084	34.862	1.18	26.483	.665
300	9.367	34.724	1.14	26.589	.748
350	9.949	34.658	.68	26.764	.827
400	8.825	34.634	.59	26.906	.899
450	8.128	34.629	.74	26.987	.963
500	8.040		.79	26.996	1.023
511					



CAST EP2-79-01-048 DATE 09 FEB 79 TIME 0818 GMT
LAT 00 00.5N LONG 110 32.4W

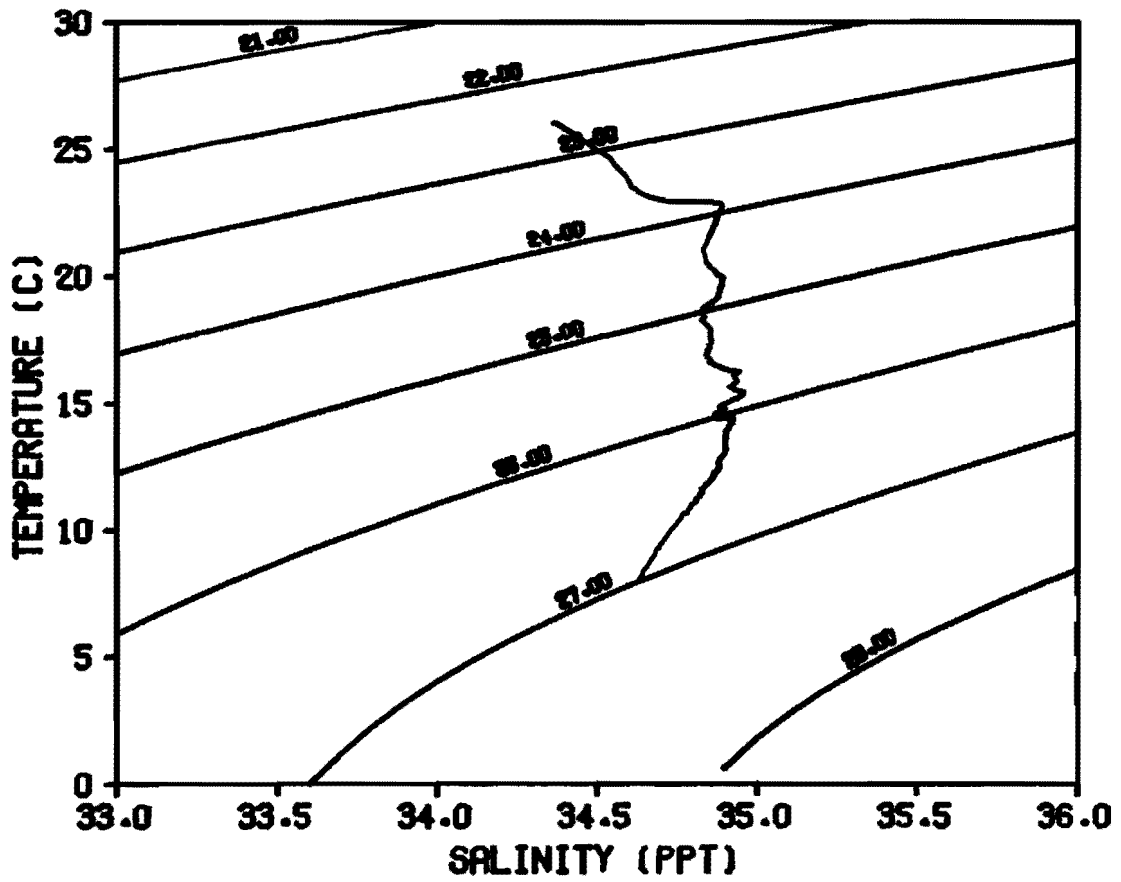


CAST EP2-79-DI-048 DATE 09 FEB 79 TIME 0816 GMT
 LAT 00 00.5N LONG 110 32.4W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 095 T SPD 15 KT VISIBILITY 7
 CLOUD 8 AMOUNT 0 WET DRY 25.2 WET 23.1 DEPTH 3704 M

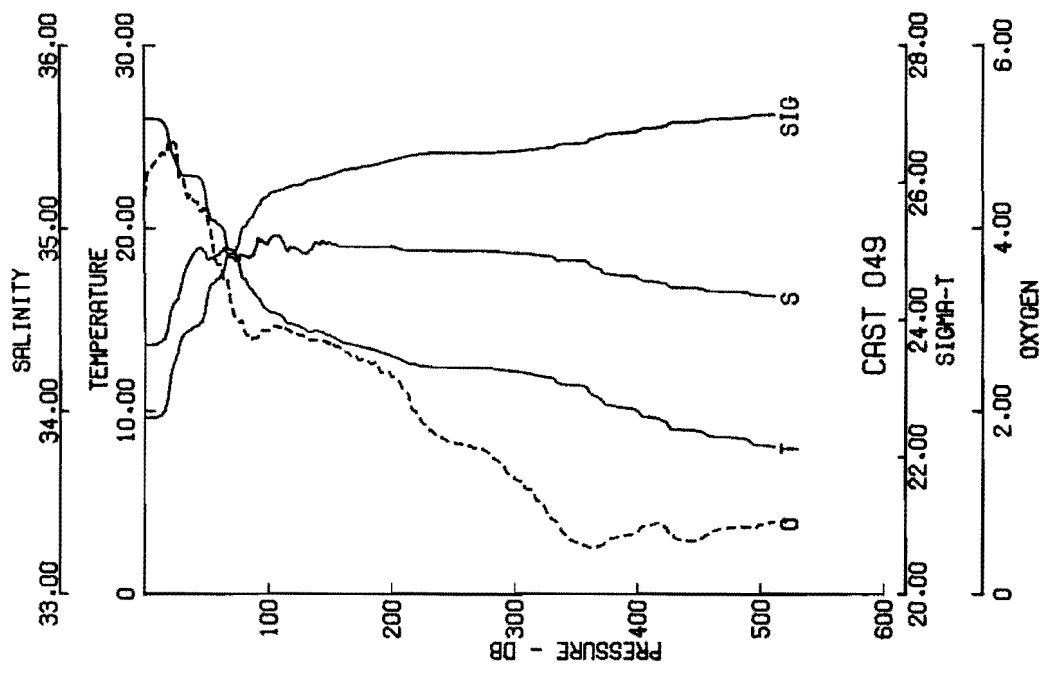


PRES (DB)	TEMP (C)	SAL (PPT)	CHL (ML/L)	SIG-T (DYN-M)	DELTA-M
0	26.067	34.367	3.75	22.555	.000
10	26.064	34.368	3.26	22.555	.053
20	25.836	34.367	4.865	22.648	.155
30	23.833	34.367	4.92	23.412	.198
40	22.907	34.834	4.37	23.977	.274
50	22.624	34.801	4.09	24.544	.300
60	20.438	34.847	3.55	25.186	.338
70	19.573	34.887	2.89	25.739	.389
80	17.116	34.835	2.74	25.931	.433
100	15.886	34.933	2.86	25.986	.474
110	15.391	34.879	2.80	26.099	.513
120	14.529	34.864	2.75	26.197	.551
130	14.443	34.921	2.66	26.272	.569
150	13.810	34.900	2.61	26.319	.587
170	13.655	34.897	2.50	26.436	.754
180	13.437	34.898	2.41	26.605	.804
190	13.273	34.898	2.41	26.795	.904
200	13.087	34.876	1.617	26.910	.968
250	12.099	34.811	1.50	26.989	1.028
300	11.227	34.713	.77		
400	8.761	34.651	.82		
500	8.100	34.627			
514	8.001				

CAST EP2-79-D1-049 DATE 09 FEB 79 TIME 1013 GMT
LAT 00 00.8N LONG 110 31.1W

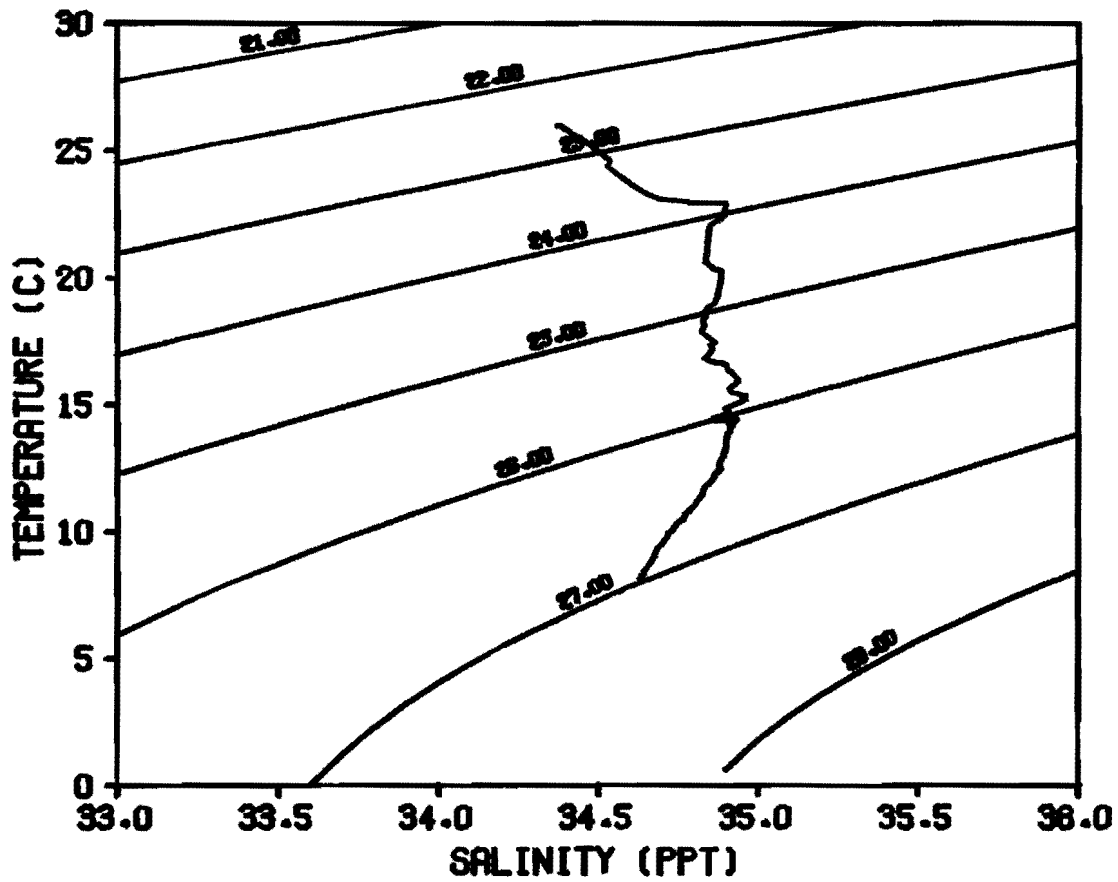


EP2-79-DI-049 DATE 09 FEB 79 TIME 1013 GMT
 CAST 0000 RN LONG 110 31.1W WEATHER 1 SEA STATE 3
 LAT 0000 RN LONG 110 31.1W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 095 T SPD 13 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 24.7 WET 22.8 DEPTH 3720 M

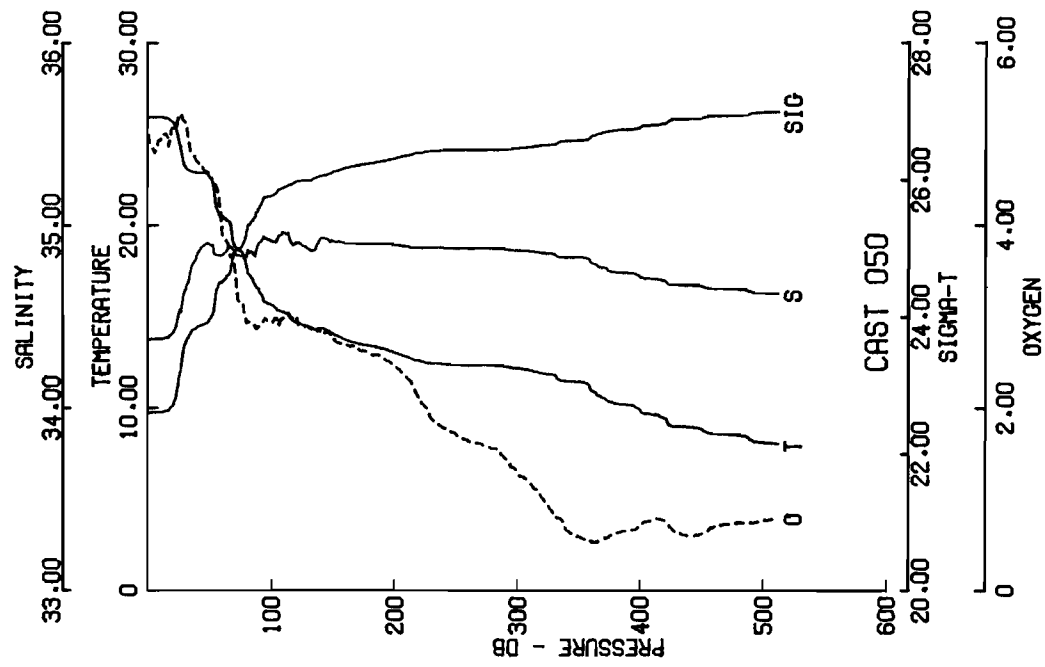


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	10.00	34.365	4.437	22.571	.000
10	9.994	34.366	4.475	22.577	.053
20	9.928	34.3504	4.494	22.5006	.105
30	9.853	34.3304	4.538	23.727	.191
40	9.778	34.3094	4.530	23.893	.230
50	9.711	34.2851	4.516	24.256	.265
60	9.636	34.2657	4.497	24.6092	.296
70	9.579	34.2452	4.489	24.9551	.325
80	9.527	34.2244	4.480	25.2953	.351
100	9.479	34.1924	4.492	25.813	.396
110	9.434	34.1599	4.487	25.962	.417
120	9.391	34.1265	4.481	25.999	.438
130	9.354	34.0921	4.478	26.026	.458
140	9.324	34.0570	4.475	26.114	.478
150	9.298	34.0203	4.460	26.174	.497
160	9.274	34.0899	4.455	26.208	.516
170	9.258	34.0899	4.455	26.239	.534
180	9.244	34.0901	4.455	26.270	.552
190	9.230	34.0901	4.455	26.301	.570
200	9.217	34.0879	4.455	26.337	.588
250	9.191	34.0879	4.455	26.403	.655
300	9.164	34.0868	4.455	26.478	.738
350	9.136	34.0868	4.455	26.578	.818
400	9.107	34.0868	4.455	26.757	.895
450	9.077	34.0868	4.455	26.997	.955
500	9.046	34.0868	4.455	26.995	1.016

CAST EP2-79-01-050 DATE 09 FEB 79 TIME 1208 GMT
LAT 00 00.9N LONG 110 31.6W

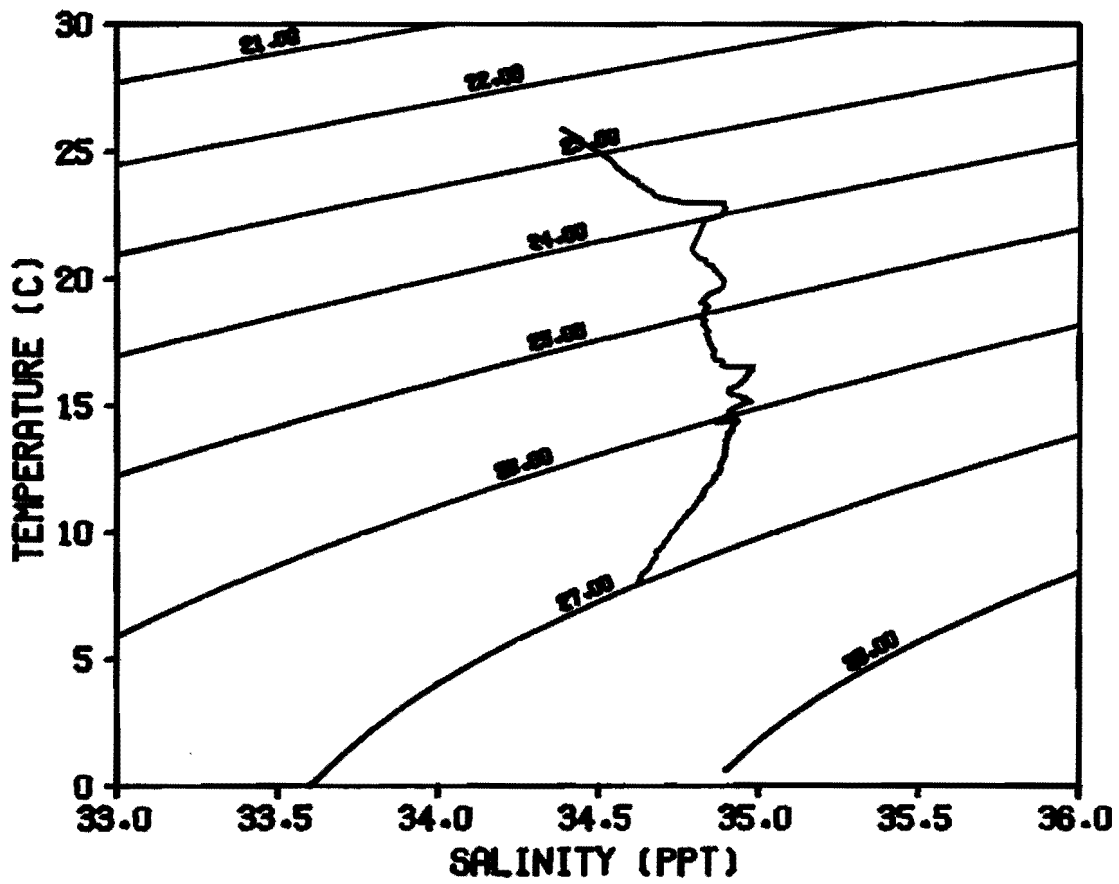


CAST EP2-79-DI-050 DATE 09 FEB 79 TIME 1208 GMT
 LAT 00 00.9N LONG 110 31.6W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 095 T SPD 11 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 24.8 MET 22.8 WET 22.8 DEPTH 3606 M

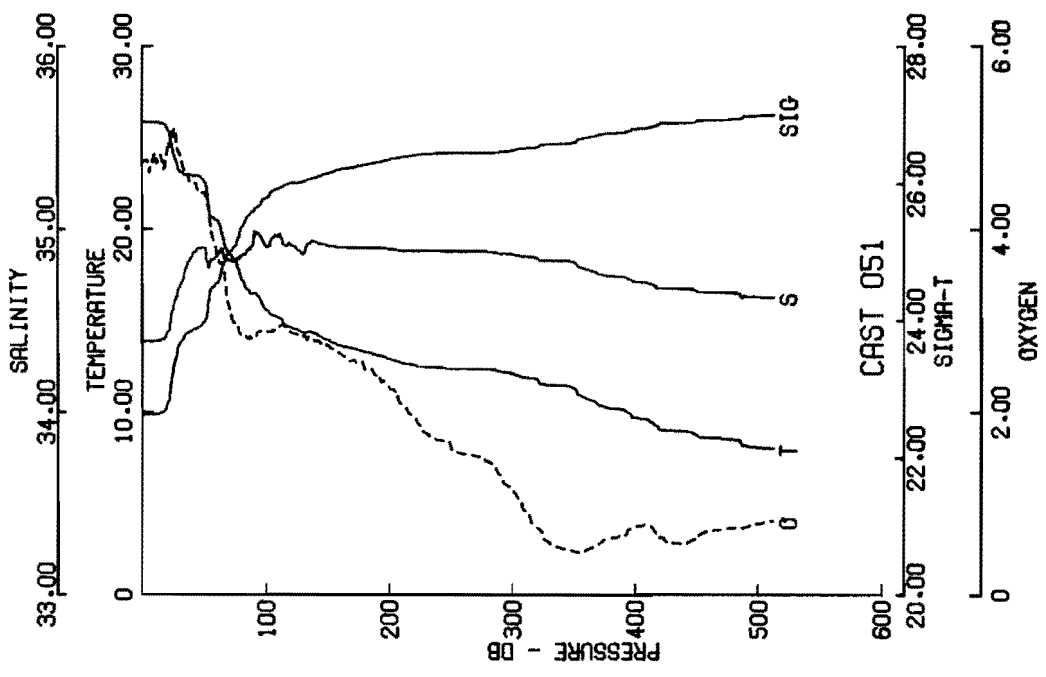


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
10	25.949	34.375	4.98	22.597	.000
20	25.947	34.373	4.99	22.596	.053
30	25.722	34.409	5.07	22.601	.105
40	25.351	34.639	5.15	22.693	.153
50	23.915	34.837	4.71	23.859	.235
60	22.712	34.901	4.58	24.511	.272
70	20.948	34.838	3.61	24.948	.306
80	17.809	34.824	3.83	25.202	.335
90	16.522	34.904	3.80	25.570	.361
100	15.688	34.919	3.95	25.773	.384
110	15.310	34.964	3.96	25.976	.406
120	14.734	34.907	3.96	26.000	.448
130	14.511	34.877	3.96	26.063	.448
140	14.408	34.919	3.83	26.063	.488
150	14.178	34.905	3.71	26.177	.507
170	13.775	34.901	3.69	26.245	.526
180	13.535	34.901	3.59	26.277	.545
190	13.281	34.901	3.55	26.316	.563
200	13.063	34.895	3.48	26.374	.645
250	12.384	34.876	3.1	26.484	.749
300	11.997	34.865	2.72	26.578	.829
350	11.440	34.821	2.39	26.702	.901
400	9.849	34.721	1.72	26.965	.965
450	8.816	34.662	1.62	26.965	.965
500	8.104	34.628	1.80	26.995	1.026

CAST EP2-79-01-051 DATE 09 FEB 79 TIME 1413 GMT
LAT 00 00.6N LONG 110 30.5W

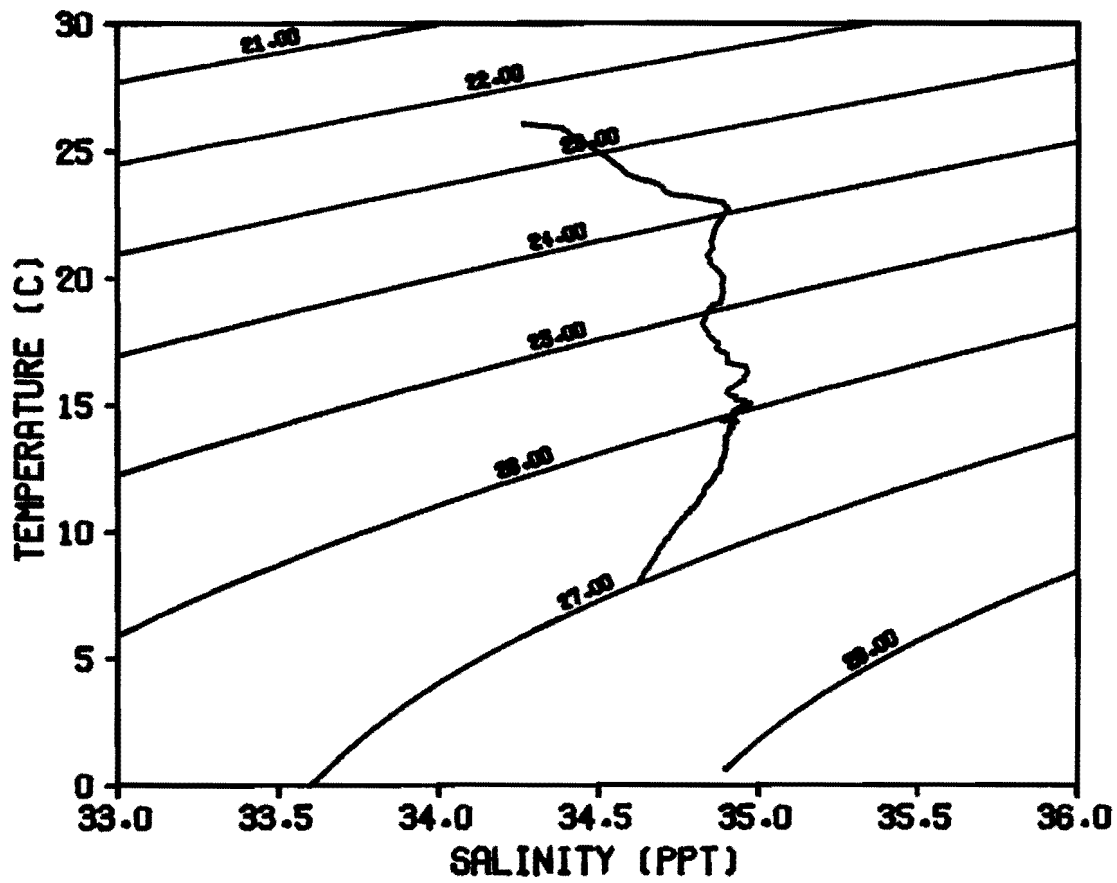


CAST EP2-79-DI-051 DATE 09 FEB 79 TIME 1413 GMT
 LAT 00 00.6N LONG 110 30.5W SEA STATE 2
 BAROMETER 11 WIND DIR 120 T SPD 08 KT VISIBILITY 7
 CLOUD 8 AMOUNT 6 DRY 24.6 WET 22.8 DEPTH 3600 M

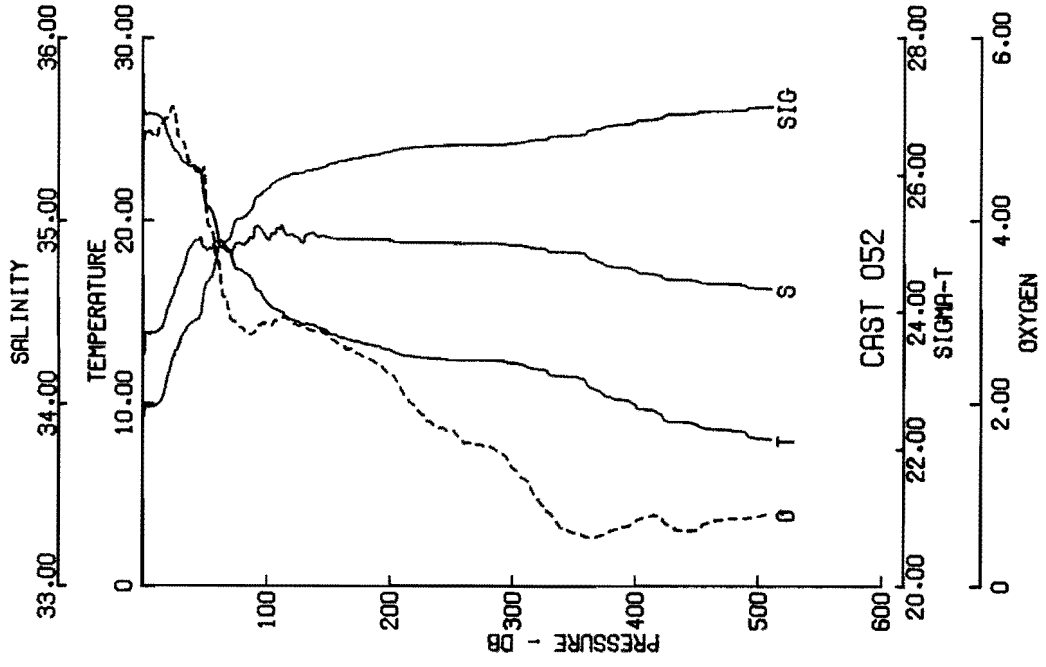


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	25.869	34.388	4.77	22.632	.000
10	25.866	34.389	4.73	22.637	.052
20	25.855	34.393	4.83	22.637	.104
30	25.828	34.430	4.83	22.649	.151
40	22.942	34.680	4.40	23.254	.193
50	22.615	34.849	4.40	23.283	.233
60	22.490	34.849	4.77	24.534	.269
70	19.673	34.831	3.16	24.502	.301
80	17.261	34.855	2.83	25.258	.330
90	16.500	34.923	2.80	25.390	.355
100	15.604	34.961	2.89	25.781	.379
110	15.159	34.918	2.94	25.924	.400
120	14.631	34.867	2.87	26.006	.421
130	14.359	34.933	2.83	26.029	.441
140	14.299	34.911	2.78	26.039	.461
150	13.948	34.900	2.73	26.146	.481
160	13.627	34.898	2.57	26.234	.500
170	13.292	34.897	2.48	26.272	.518
180	13.121	34.893	2.40	26.306	.536
190	12.911	34.876	2.22	26.345	.552
200	12.369	34.862	1.62	26.470	.558
300	11.307	34.862	1.17	26.597	.739
400	8.744	34.713	.62	26.799	.889
500	8.072	34.663	.78	26.915	.953
512	8.011	34.628	.81	27.000	1.013

CAST EP2-79-01-052 DATE 09 FEB 79 TIME 1610 GMT
LAT 00 00.6N LONG 110 30.9W

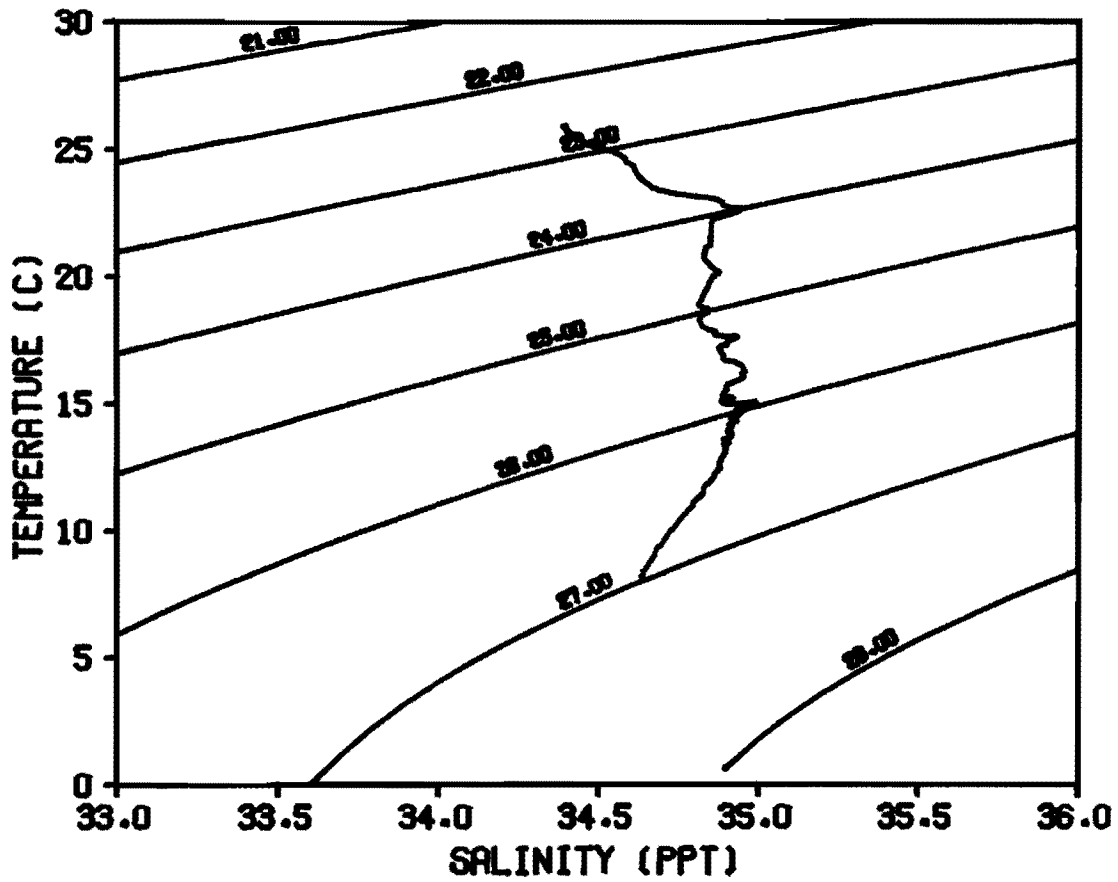


CAST EP2-79-DI-052 DATE 09 FEB 79 TIME 1610 GMT
 LAT 00.00 N LONG 110 30.9 W WEATHER 1 SEA STATE 2
 BAROMETER 13 WIND DIR 100 T SPD 07 KT VISIBILITY 7
 CLOUD 6 AROUND 6 DRY 26.5 WET 23.9 DEPTH 3600 M



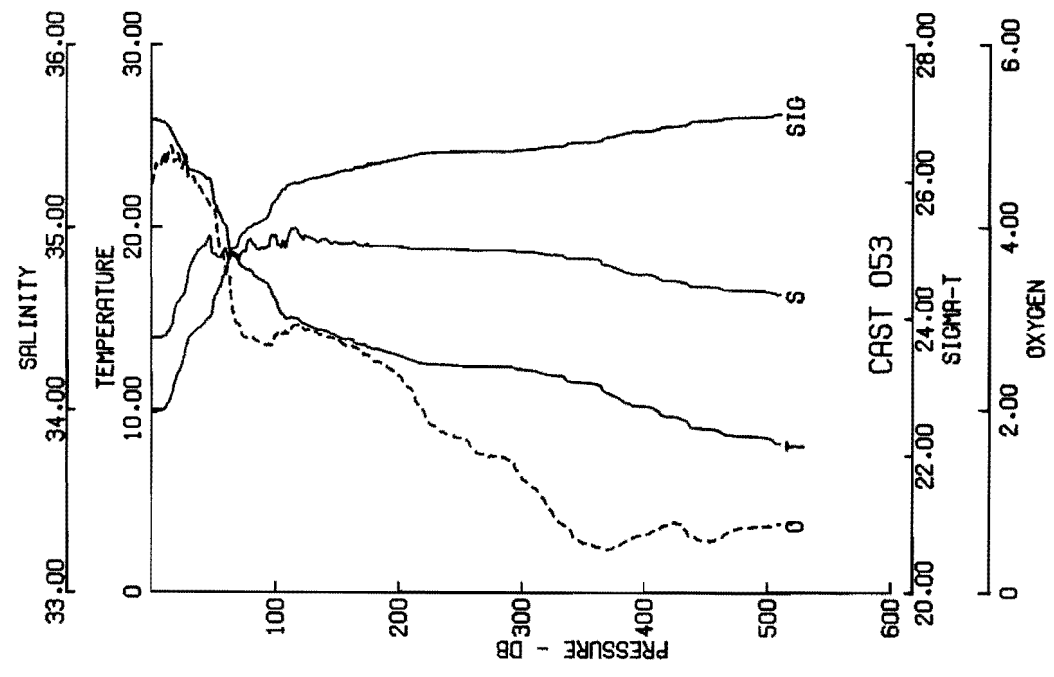
PRES (DB)	TEMP (C)	SAL (PPT)	DX (ML/L)	SIG-T	DELTA-M (DYN-M)
0	25.968	34.320	4.92	22.550	.000
10	25.034	34.328	4.92	22.643	.052
20	24.838	34.327	4.92	22.680	.103
30	24.701	34.324	4.91	22.708	.149
40	24.546	34.321	4.91	22.730	.191
50	24.375	34.319	4.91	22.744	.230
60	24.191	34.316	4.91	22.750	.264
70	24.006	34.312	4.91	22.750	.294
80	23.822	34.308	4.91	22.744	.321
90	23.636	34.305	4.91	22.737	.347
100	23.447	34.302	4.91	22.724	.370
110	23.254	34.299	4.91	22.706	.392
120	23.058	34.297	4.91	22.683	.412
130	22.860	34.294	4.91	22.656	.433
140	22.660	34.291	4.91	22.624	.452
150	22.457	34.288	4.91	22.587	.472
160	22.252	34.285	4.91	22.545	.491
170	22.045	34.282	4.91	22.498	.509
180	21.836	34.279	4.91	22.446	.527
190	21.625	34.276	4.91	22.390	.545
200	21.412	34.273	4.91	22.330	.563
250	20.589	34.265	4.91	22.179	.647
300	19.900	34.257	4.91	22.029	.730
350	19.350	34.249	4.91	21.880	.812
400	18.900	34.241	4.91	21.732	.897
450	18.500	34.233	4.91	21.586	.982
500	18.100	34.225	4.91	21.442	1.067
510	18.030	34.222	4.91	21.400	1.007

CAST EP2-79-DI-053 DATE 09 FEB 79 TIME 1811 GMT
LAT 00 00.0N LONG 110 33.0W

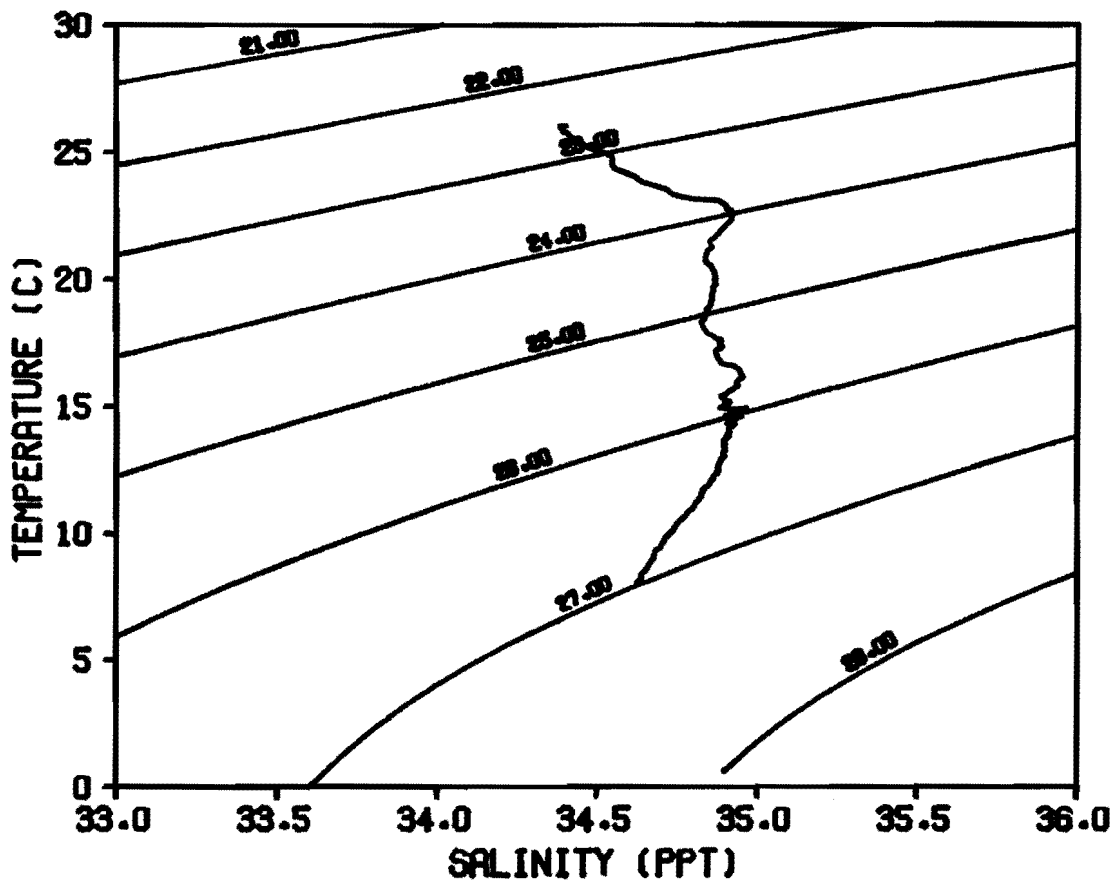


CAST EP2-79-DI-053 DATE 09 FEB 79 TIME 1811 GMT
 LAT 00 00 0N LONG 110 33 0W WEATHER 4 VISUAL 3
 BAROMETER 12 WIND DR 125 KT SPD 09 KT VISIBILITY 7
 CLOUD AMOUNT 1 WPT 26.7 MET 24.0 DEPTH 3742 M

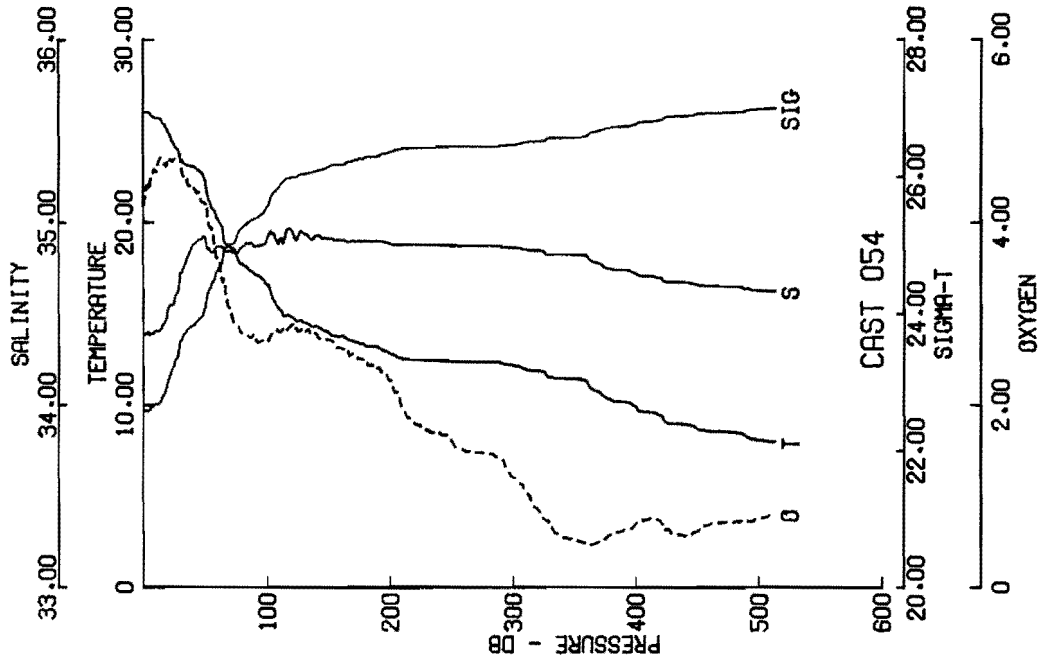
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	25.925	34.993	4.48	22.018	.000
10	25.888	34.991	4.48	22.6275	.052
20	24.761	34.571	4.76	22.117	.169
30	24.209	34.879	4.54	23.880	.228
40	23.740	34.853	4.20	24.197	.263
50	20.097	34.883	3.59	25.089	.294
60	18.249	34.816	2.78	25.335	.348
70	17.069	34.882	2.22	25.477	.373
80	17.065	34.854	2.84	25.719	.395
90	16.972	34.927	2.94	25.980	.415
100	14.875	34.938	2.86	26.083	.436
110	14.525	34.932	2.80	26.131	.456
120	14.325	34.916	2.78	26.110	.474
130	14.039	34.900	2.62	26.210	.494
140	13.889	34.898	2.38	26.296	.513
150	13.571	34.894	2.37	26.332	.530
160	13.336	34.876	2.19	26.467	.552
170	13.175	34.864	1.69	26.533	.573
180	12.981	34.827	1.25	26.577	.615
190	12.403	34.827	1.03	26.684	.689
200	11.275	34.827	1.03	26.757	.735
300	10.177	34.827	1.03	26.887	.889
400	8.977	34.827	1.03	26.940	.956
500	8.466	34.827	1.03	26.982	1.017
510	8.158	34.633	1.03		



CAST EP2-79-01-054 DATE 09 FEB 79 TIME 2011 GMT
LAT 00 00.5N LONG 110 33.2W

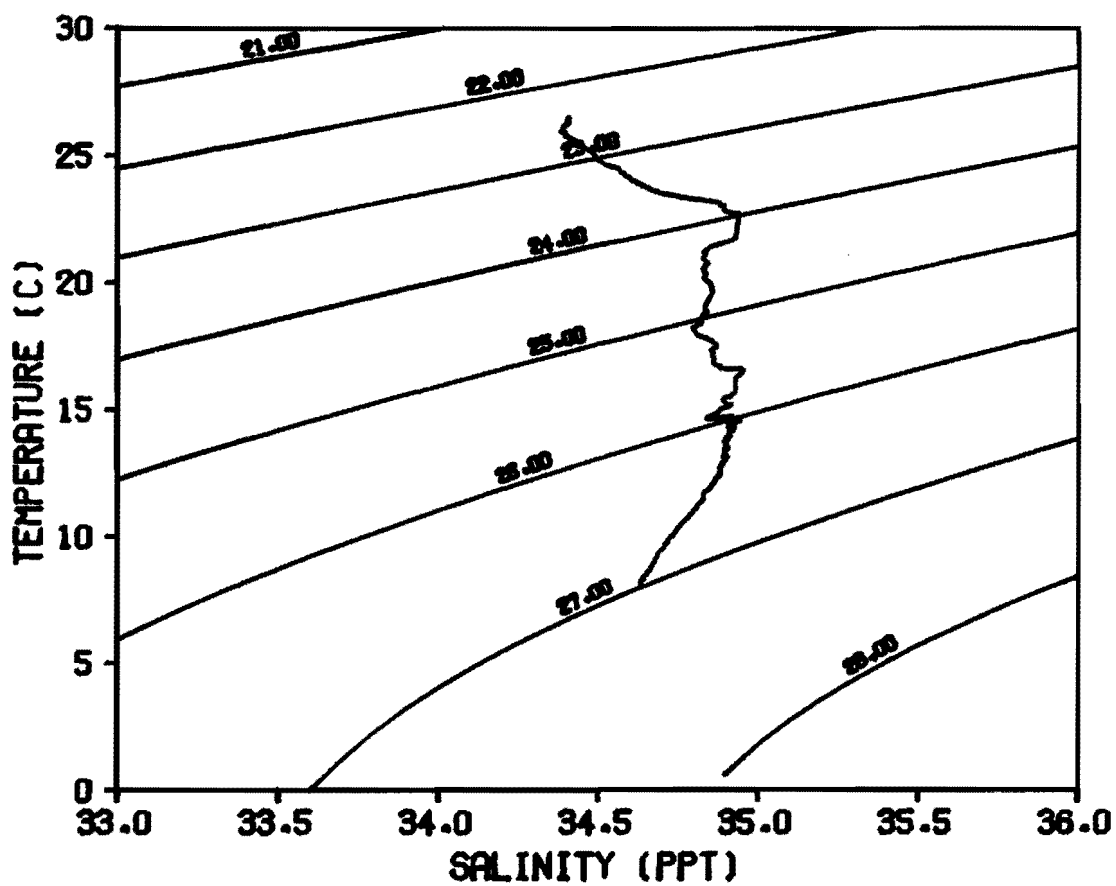


CAST EP2-79-DI-054 DATE 09 FEB 79 TIME 2011 GMT
 LAT 00 00.5N LONG 110 33.2W SEA STATE 4 VISIBILITY 3
 BAROMETER 11 WIND DIR 110 T SPD 08 KT VISIBLTY 3
 CLOUD AMOUNT 1 WIND DRY 26.9 WET 23.7 DEPTH 3005 M

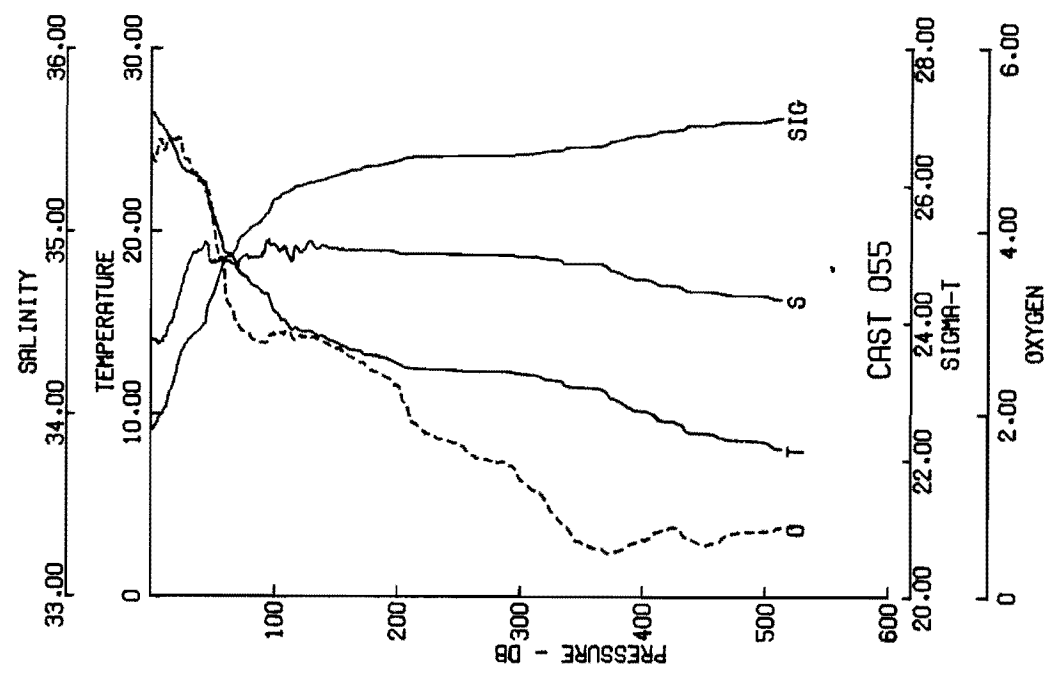


PRES (DB)	TEMP (C)	SAL (PPT)	CHL (ML/L)	SIG-T	DELTA-M (DYN-M)
0	26.093	34.391	4.21	22.564	.000
10	26.019	34.386	4.20	22.584	.052
20	25.742	34.405	4.57	22.610	.150
30	24.961	34.521	4.69	22.596	.237
40	23.503	34.722	4.39	22.408	.299
50	22.319	34.820	4.20	22.032	.327
60	20.668	34.867	3.60	22.003	.354
70	17.722	34.868	2.79	22.390	.380
80	17.176	34.871	2.77	22.555	.424
90	16.241	34.909	2.80	22.890	.444
100	15.653	34.960	2.88	22.042	.464
110	14.548	34.941	2.80	22.081	.484
120	14.326	34.930	2.71	22.176	.503
130	13.985	34.912	2.62	22.347	.520
140	13.782	34.904	2.62	22.377	.548
150	13.484	34.897	2.69	22.291	.575
160	13.262	34.896	2.61	22.438	.659
170	13.192	34.885	2.21	22.468	.742
180	12.823	34.873	1.52	22.577	.864
190	12.364	34.862	1.02	22.646	.959
200	11.938	34.825	.63	22.766	1.019
300	10.934	34.722	.02	22.918	
400	8.713	34.629	.07	22.988	
500	8.098	34.625	.81	22.998	
513	8.012	34.625			

CAST EP2-79-01-055 DATE 09 FEB 79 TIME 2211 GMT
LAT 00 02.0N LONG 110 33.2W

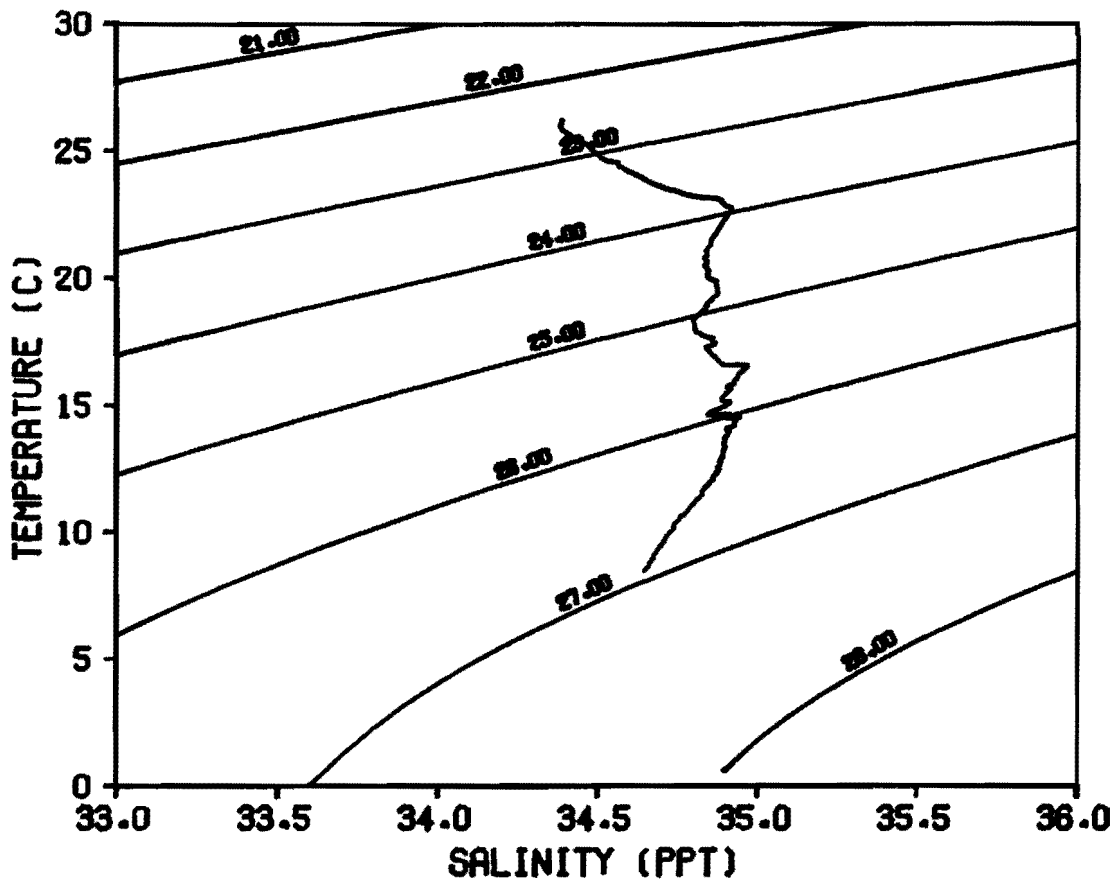


CAST EP2-79-DI-055 DATE 09 FEB 79 TIME 2211 GMT
 LAT 00 02.0N LONG 110 33.2W WEATHER 2 SEA STATE 3
 BAROMETER 10 WIND DIR 105 T SPD 05 KT VISIBILITY 7
 CLOUD 2 AMOUNT 8 DRY 28.0 WET 24.1 DEPTH 310 M

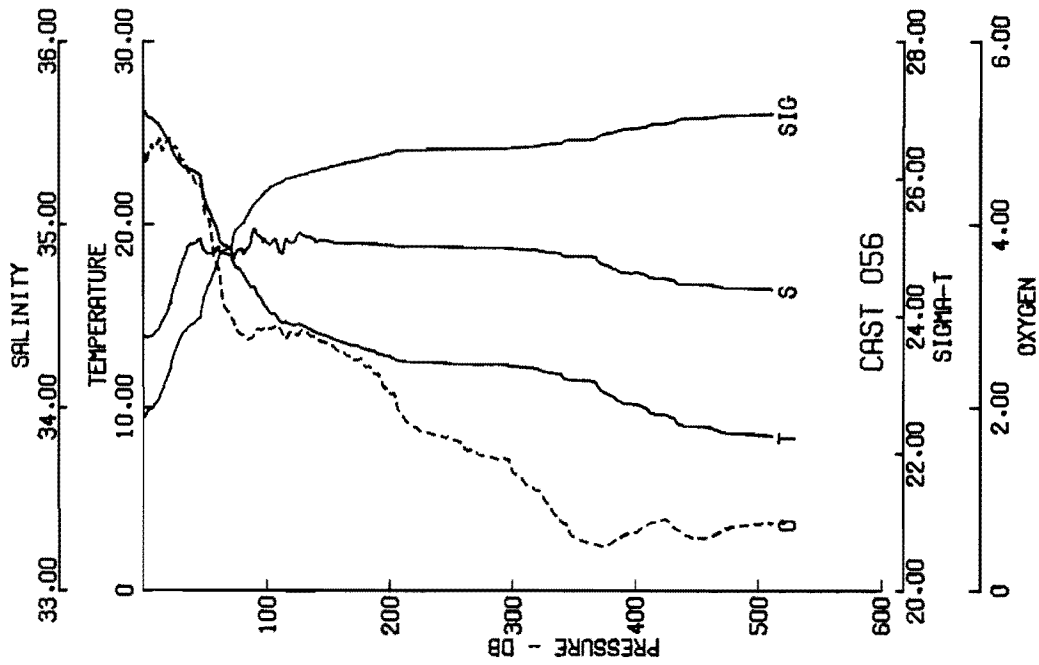


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	26.669	34.414	4.72	22.404	.000
1	25.659	34.421	4.88	22.461	.053
10	25.624	34.421	4.88	22.461	.102
30	24.323	34.418	4.55	23.744	.187
40	22.842	34.426	4.17	24.409	.225
50	20.902	34.481	3.02	25.194	.267
60	18.848	34.495	2.86	25.378	.314
70	17.183	34.495	2.87	25.796	.364
80	16.614	34.488	2.89	25.901	.386
90	15.979	34.489	2.88	26.047	.407
100	14.601	34.492	2.89	26.093	.447
110	14.517	34.492	2.89	26.151	.466
120	13.922	34.490	2.87	26.214	.485
130	13.584	34.490	2.87	26.248	.504
140	13.446	34.497	2.87	26.291	.522
150	13.198	34.489	2.87	26.316	.536
160	13.107	34.489	2.87	26.369	.557
170	12.770	34.487	2.87	26.404	.624
180	12.386	34.487	2.87	26.473	.679
190	12.212	34.482	2.87	26.518	.724
200	11.469	34.474	2.87	26.587	.879
300	10.197	34.464	2.87	26.844	.945
400	8.477	34.464	2.87	26.944	1.007
500	8.107	34.463	2.87	26.987	

CAST EP2-79-01-056 DATE 10 FEB 79 TIME 0022 GMT
LAT 00 00.0N LONG 110 31.3W

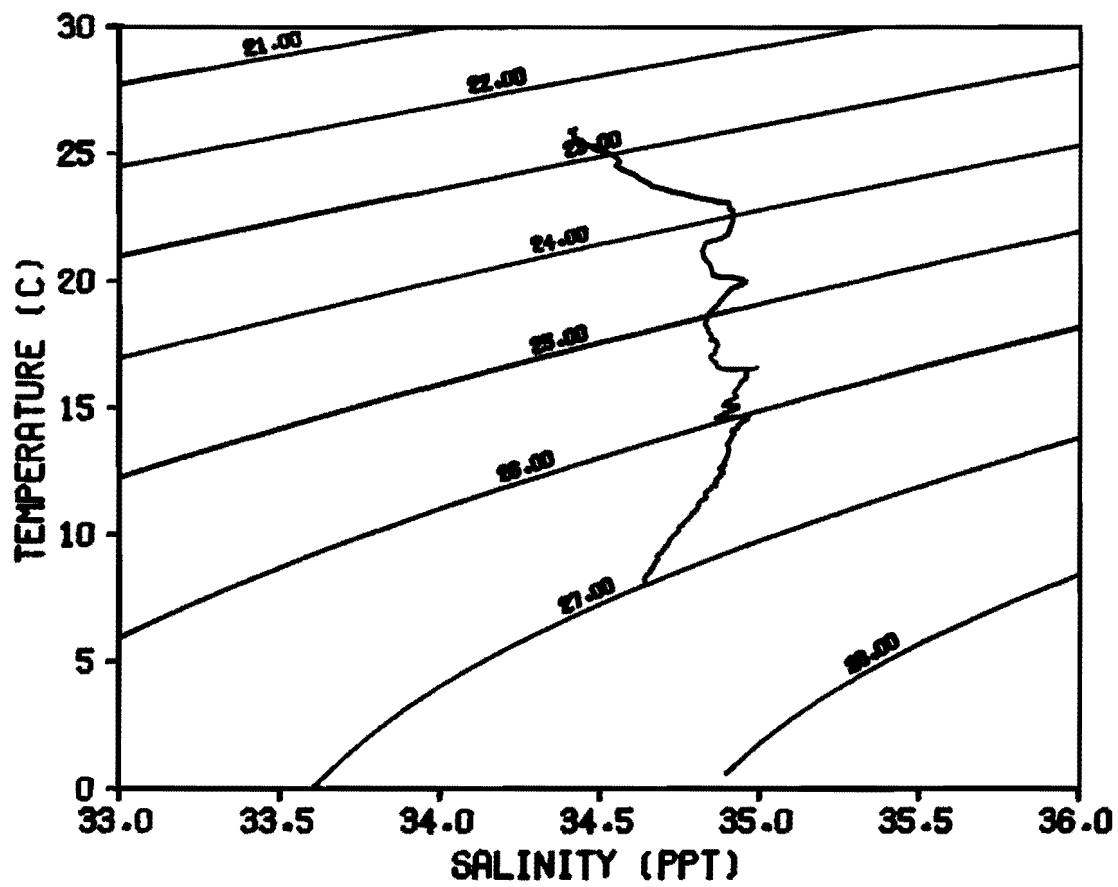


CAST # P2-79-DI-056 DATE 10 FEB 79 TIME 0022 GMT
 LAT 00 00.0N LONG 110 31.3W WEATHER 2 SEA STATE 3
 BAROMETER 09 WIND DIR 130 T SPD 10 KT VISIBILITY 7
 CLOUD 2 AMOUNT 8 WET DRY 25.4 MET 23.1 DEPTH 3604 M



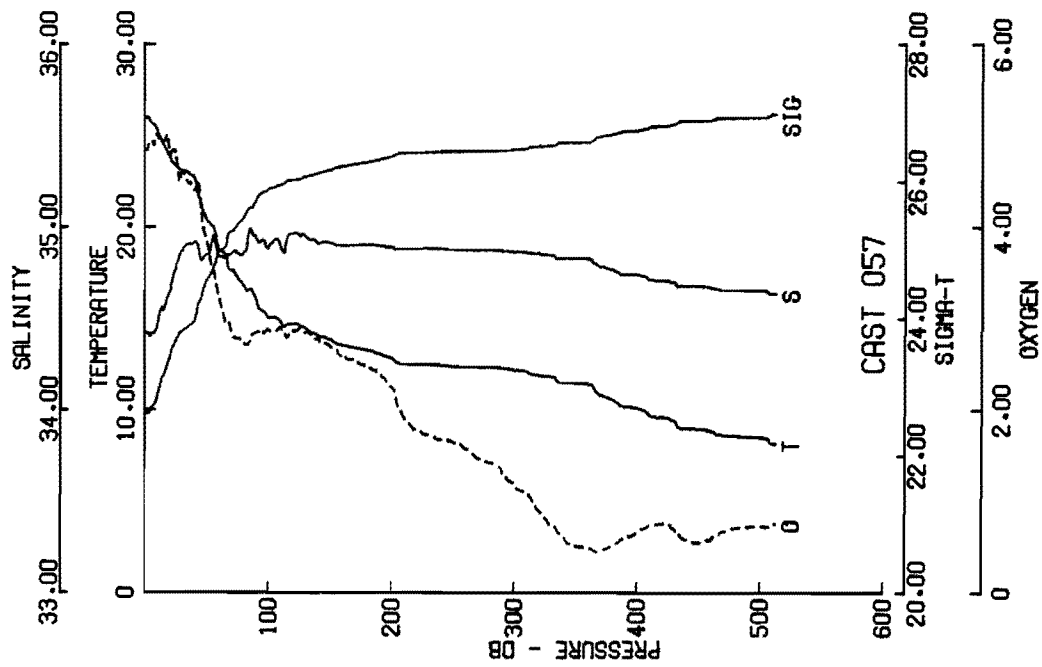
TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
26.030	34.386	4.67	22.517	.000
25.200	34.388	4.677	22.529	.052
24.614	34.414	4.67	22.730	.102
24.599	34.529	4.673	23.679	.148
23.942	34.765	4.654	23.885	.227
22.296	34.855	4.509	24.378	.261
21.507	34.875	3.553	24.981	.292
18.720	34.831	3.011	25.340	.320
17.369	34.866	2.802	25.617	.345
16.552	34.975	2.889	25.819	.368
15.421	34.900	2.89	25.933	.390
14.750	34.856	2.82	26.012	.410
14.542	34.900	2.825	26.002	.431
14.096	34.938	2.815	26.109	.450
13.677	34.909	2.69	26.160	.470
13.591	34.897	2.52	26.210	.488
13.414	34.896	2.47	26.248	.507
13.188	34.890	2.37	26.330	.525
12.807	34.884	2.167	26.355	.543
12.380	34.874	1.87	26.435	.560
12.253	34.867	1.30	26.455	.572
11.483	34.826	.59	26.570	.608
11.173	34.740	.67	26.738	.646
10.982	34.675	.72	26.838	.677
8.517	34.649	.74	26.939	.727
8.455	34.645		26.946	1.010

CAST EP2-79-01-057 DATE 10 FEB 79 TIME GMT
LAT 00 00.1N LONG 110 30.8W

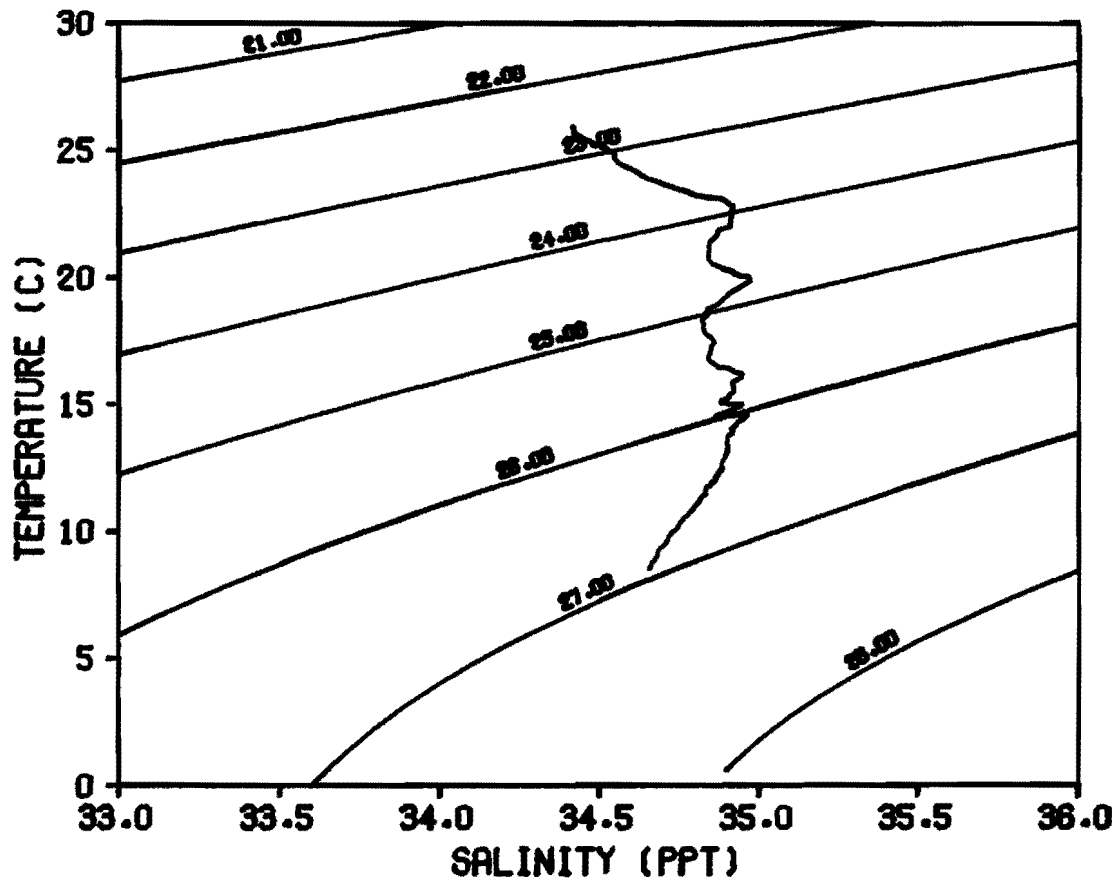


CAST EP2-79-DI-057 DATE 10 FEB 79 TIME 00.00 GMT
 LAT 00.00 N LONG 110 30.8W WEATHER 2 SEA STATE 3
 BAROMETER 10 WIND DIR 115 T SPD 10 KT VISIBILITY 7
 CLOUD 7 AMOUNT 8 DRY 25.1 WET 23.3 DEPTH 3600 M

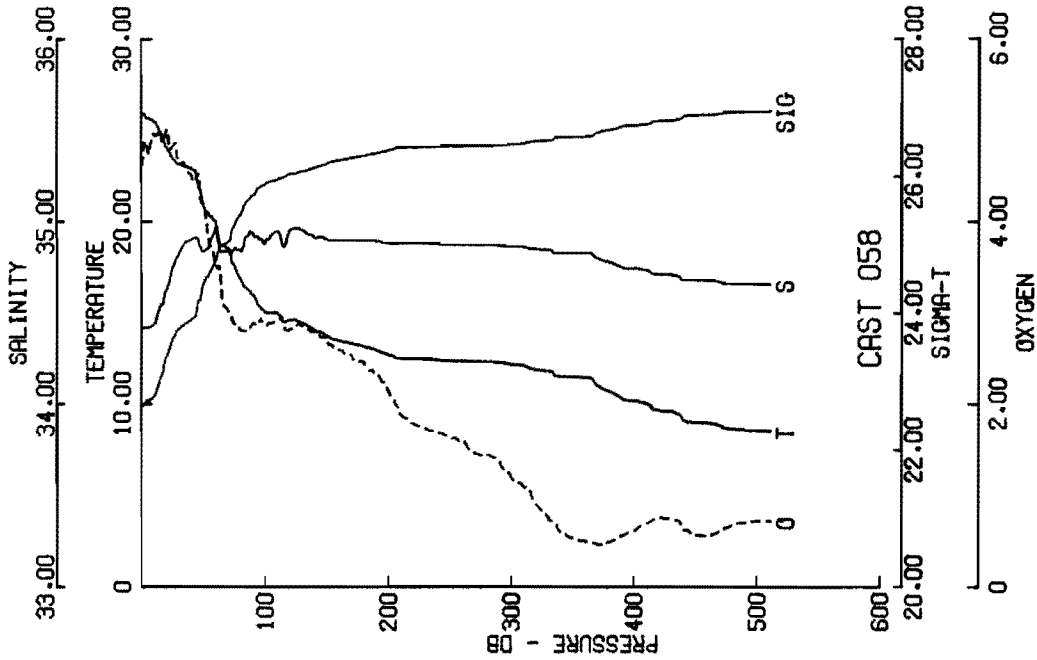
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	26.116	34.618	4.83	22.577	.000
1	25.956	34.421	4.84	22.620	.052
10	25.350	34.660	4.83	22.846	.099
20	23.915	34.864	4.59	23.819	.182
30	22.763	34.915	4.40	24.955	.219
40	20.404	34.850	3.87	24.978	.251
50	19.760	34.861	3.22	25.264	.280
70	17.652	34.856	2.54	25.482	.306
80	16.030	34.942	2.73	25.713	.331
90	15.074	34.891	2.87	25.947	.353
100	14.809	34.890	2.87	26.025	.374
110	14.470	34.965	2.85	26.067	.394
120	14.470	34.952	2.85	26.114	.415
130	14.406	34.918	2.80	26.167	.434
140	13.866	34.918	2.70	26.222	.453
150	13.545	34.900	2.52	26.251	.472
170	13.406	34.900	2.48	26.278	.490
180	13.277	34.902	2.39	26.313	.509
190	13.089	34.898	2.25	26.360	.526
200	12.824	34.879	2.05	26.439	.544
250	12.183	34.866	1.20	26.468	.628
300	11.477	34.832	.52	26.575	.791
350	10.936	34.743	.65	26.747	.864
400	8.916	34.670	.73	26.944	.930
450	8.516	34.656	.76	26.988	.991
500	8.154	34.638			
513					



CAST EP2-79-D1-058 DATE 10 FEB 79 TIME 0413 GMT
LAT 0 00.45 LONG 110 30.2W

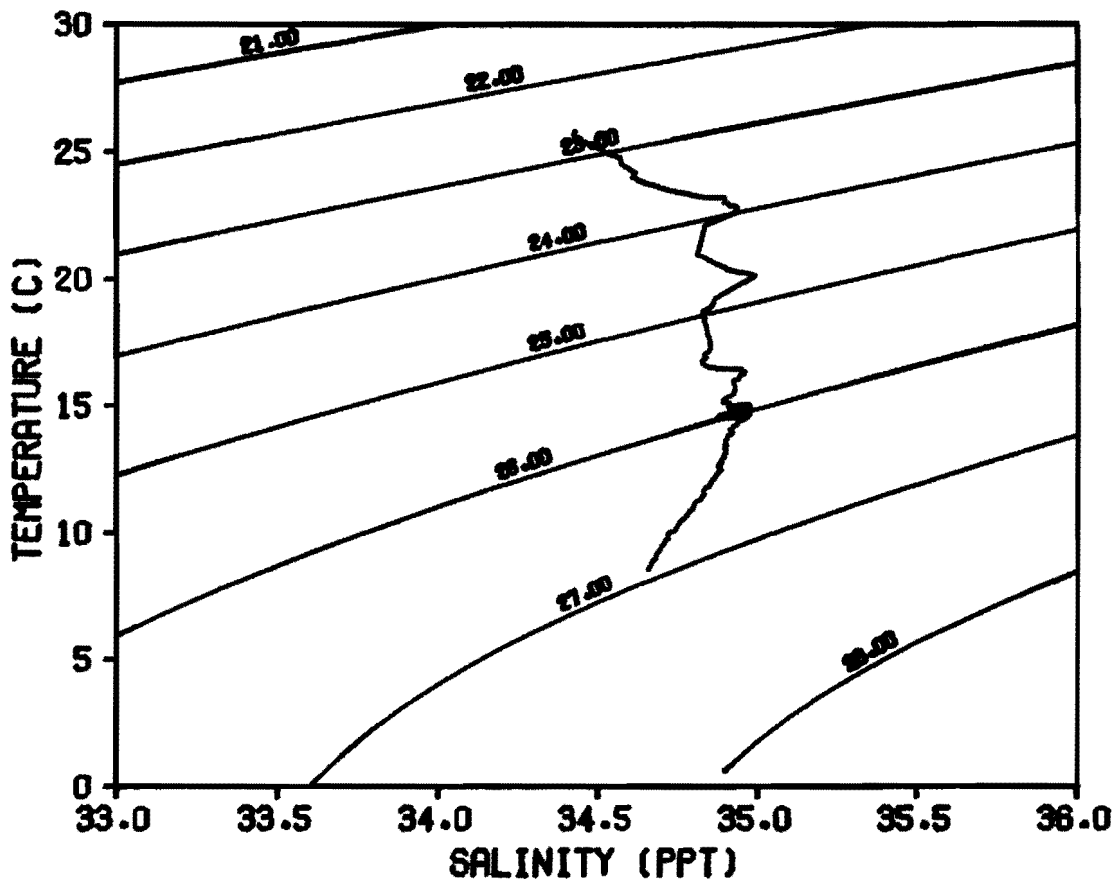


CAST EP2-79-01-058 DATE 10 FEB 79 TIME 0413 GMT
 LAT 0 00.4 S LONG 110 30.2 W SEA STATE 3
 BAROMEIER 11 WIND DIR 145 T SPD 10 KT VISIBLITY 7
 CLDUD 7 AMOUNT 8 DRY 25.1 WET 23.4 DEPTH 3600 M



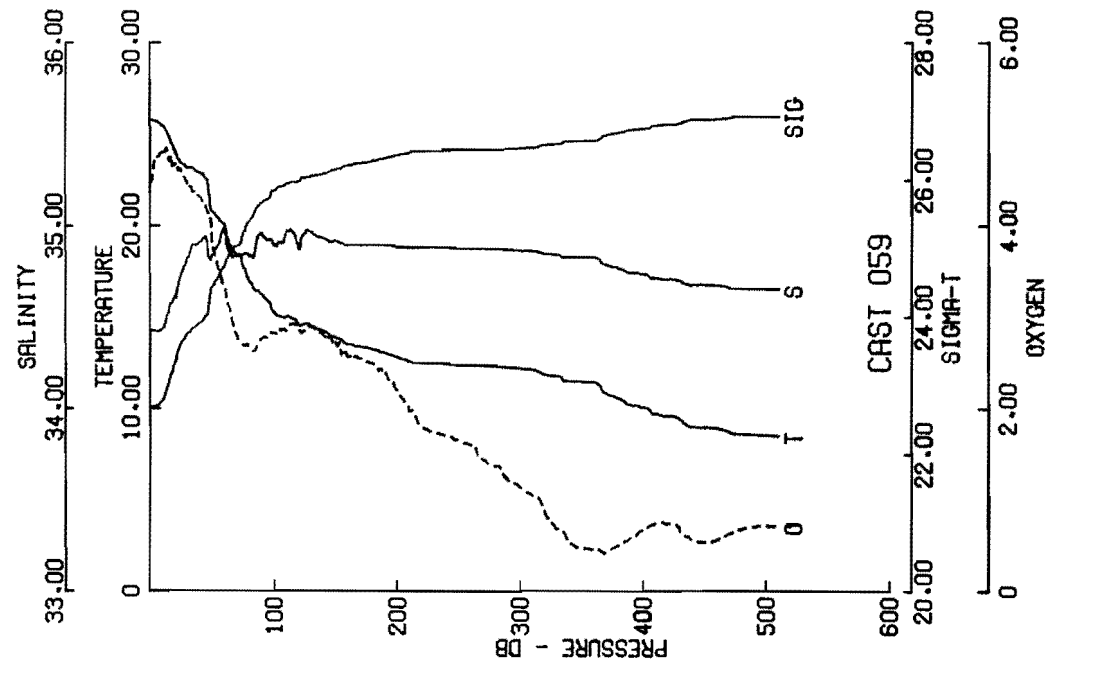
PRES (DB)	TEMP (C)	SAL (PPT)	DAY (ML/L)	SIG-T	DELTA-M
0	25.915	34.416	4.76	22.624	.000
10	25.917	34.415	4.67	22.677	.052
20	24.098	34.422	5.00	22.743	.100
30	23.177	34.815	4.52	23.700	.144
40	22.916	34.839	4.52	24.412	.185
50	20.922	34.966	3.52	24.747	.257
60	18.512	34.838	3.03	25.033	.315
70	16.912	34.840	2.87	25.429	.339
80	16.006	34.938	2.89	25.716	.363
90	15.053	34.878	2.92	25.949	.403
100	14.627	34.950	2.81	26.071	.423
110	14.454	34.955	2.86	26.119	.442
120	14.787	34.918	2.80	26.179	.481
130	13.507	34.908	2.74	26.228	.499
140	13.335	34.900	2.55	26.297	.517
150	13.175	34.894	2.47	26.331	.535
160	12.986	34.894	2.30	26.338	.552
170	12.704	34.887	2.16	26.438	.636
180	12.378	34.865	1.95	26.483	.719
190	12.176	34.831	1.54	26.573	.673
200	11.485	34.744	.62	26.739	.940
250	8.558	34.657	.72	26.934	1.002
300	8.519	34.655			

CAST EP2-79-DI-059 DATE 10 FEB 78 TIME 0616 GMT
LAT 00 00.0N LONG 110 30.9W

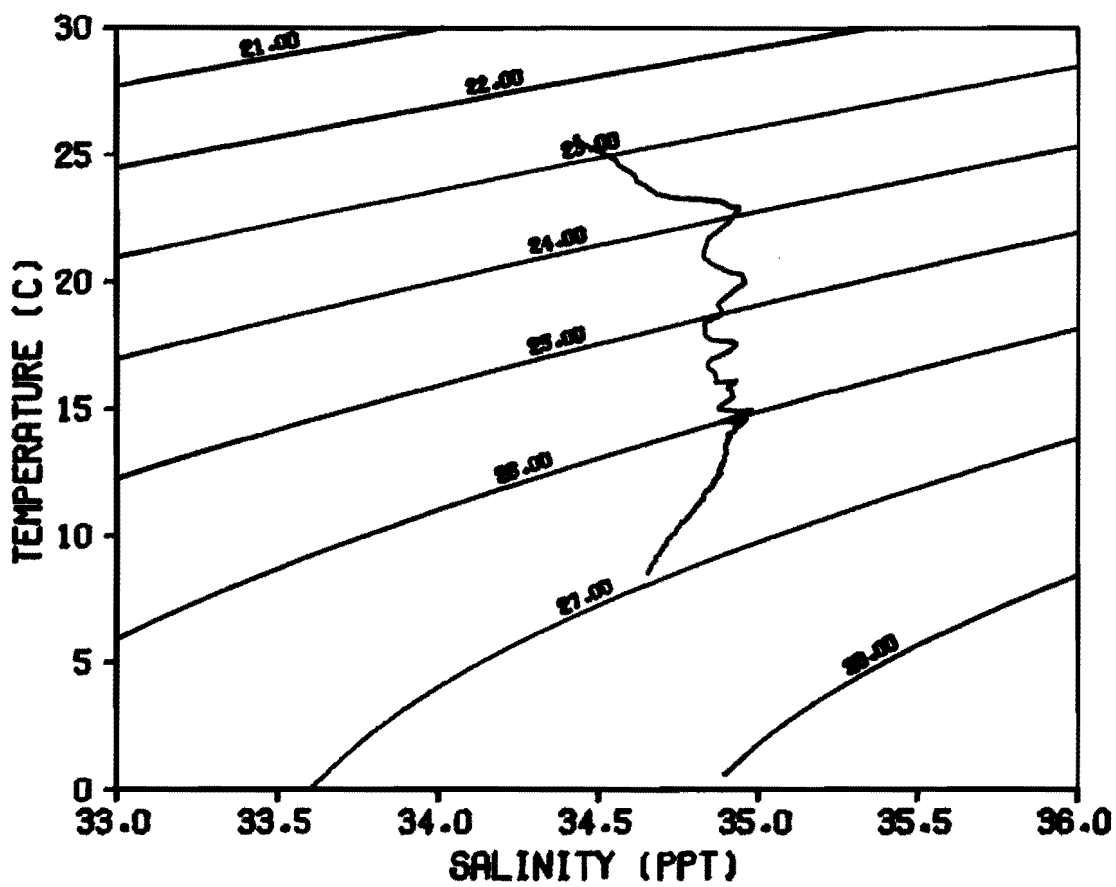


CAST EP2-79-DI-059 DATE 10 FEB 78 TIME 0616 GMT
 LAT 00 00 ON LONG 110 30.9 W WEATHER 4 SEA STATE 3
 BAROMETER 12 WIND DIR 130 T SPD 08 KT VISIBILITY 7
 CLOUD 2 AMOUNT 6 WET 23.5 DEPTH 3685 M

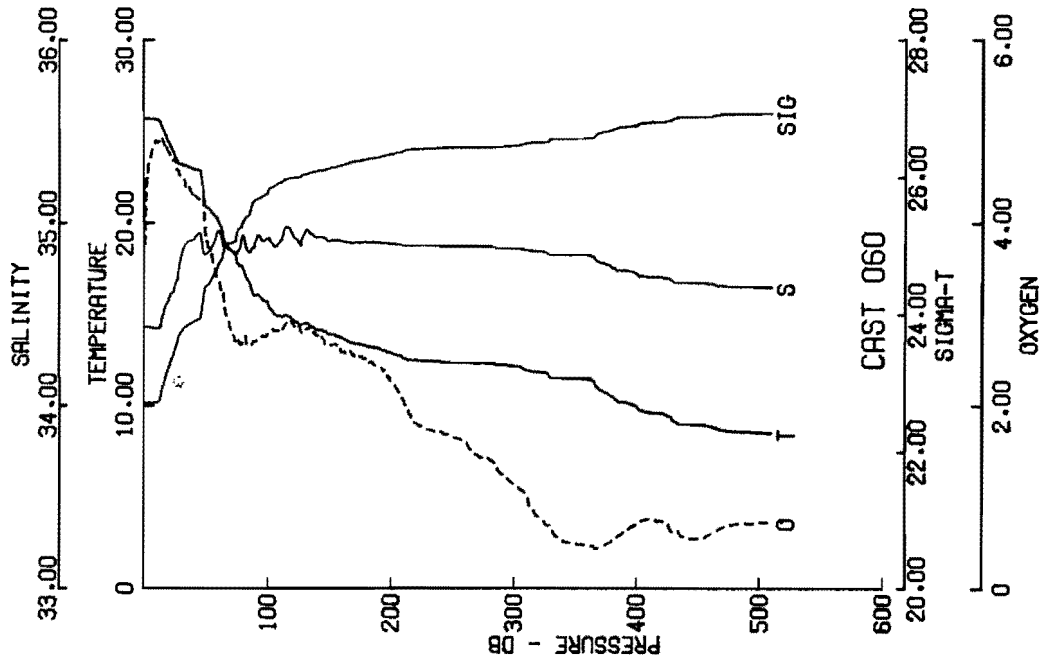
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	25.826	34.427	4.46	22.675	.000
10	25.790	34.426	4.80	22.685	.052
20	24.130	34.420	4.66	23.334	.100
30	23.207	34.419	4.49	23.755	.143
40	22.706	34.408	4.31	23.909	.184
50	22.794	34.840	3.83	24.446	.223
60	20.096	34.995	3.32	24.750	.267
70	18.471	34.831	2.80	25.405	.315
80	16.986	34.962	2.66	25.671	.340
90	16.267	34.885	2.77	25.951	.362
100	15.079	34.973	2.86	25.980	.384
110	14.613	34.879	2.89	25.985	.405
120	14.521	34.970	2.89	26.000	.425
130	14.251	34.934	2.81	26.159	.444
140	13.923	34.920	2.73	26.228	.464
150	13.540	34.899	2.55	26.268	.483
160	13.411	34.898	2.50	26.283	.501
170	13.242	34.898	2.37	26.317	.519
180	13.025	34.895	2.21	26.357	.535
190	12.830	34.886	2.04	26.430	.632
200	12.611	34.878	1.81	26.464	.722
250	11.694	34.832	1.48	26.572	.802
300	10.073	34.739	1.15	26.672	.875
350	8.988	34.657	.84	26.888	.941
400	8.553	34.656	.72	26.942	1.003



CAST EP2-79-DI-060 DATE 10 FEB 79 TIME 0819 GMT
LAT 00 00.6N LONG 110 31.8W

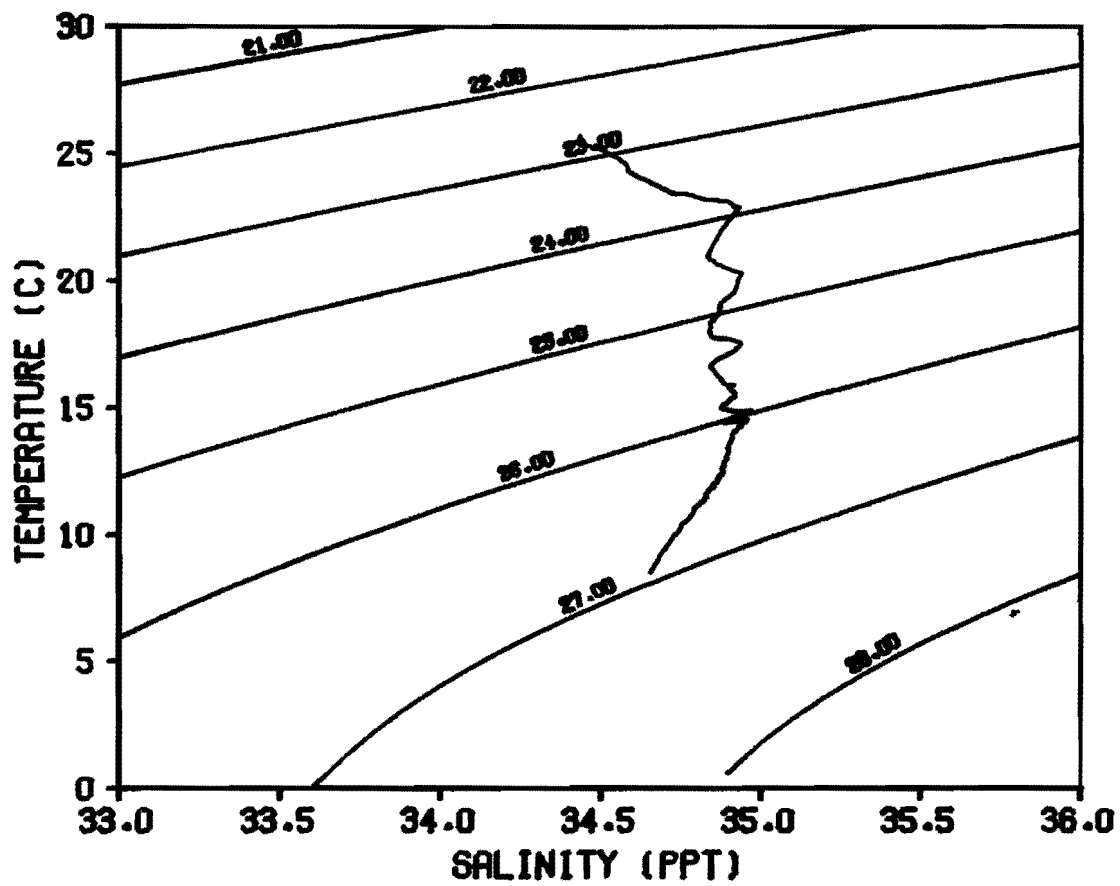


CAST EP2-79-DI-060 DATE 10 FEB 79 TIME 0819 GMT
 LAT 00 00.6N LONG 110 31.8W SEA STATE 3
 BAROMETER AMOUNT 2 WIND DIR 150 T SPD 10.1 KT VISIBILITY 7
 CLOUD 2 WIND DRG 24.8 MET 23.5 MET 23.5 DEPTH 3703 M

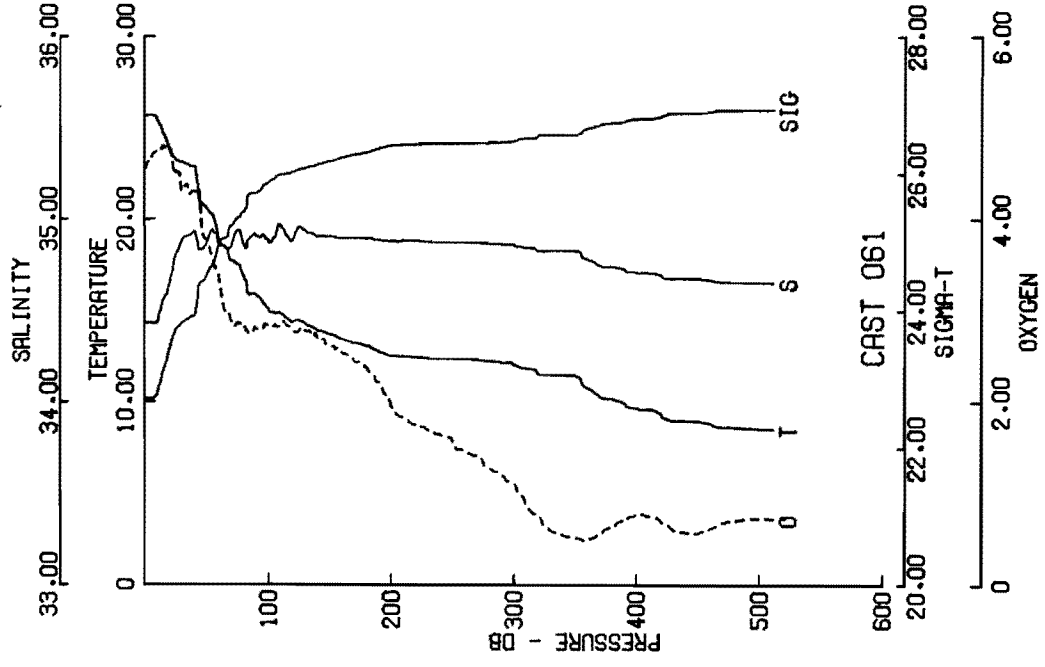


PKES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	25.741	34.432	3.977	22.705	.000
10	25.737	34.424	3.991	22.706	.052
20	24.459	34.478	4.079	22.711	.101
30	23.261	34.505	4.274	23.209	.146
40	22.977	34.511	4.274	23.891	.186
50	20.883	34.831	3.864	24.415	.226
60	20.119	34.925	3.884	24.713	.260
70	18.535	34.853	2.884	25.046	.290
80	17.535	34.896	2.700	25.353	.319
90	16.069	34.890	2.700	25.669	.344
100	15.629	34.910	2.799	25.777	.367
110	14.787	34.907	2.891	25.994	.389
120	14.545	34.927	2.883	26.050	.409
130	14.213	34.927	2.777	26.103	.430
140	13.771	34.902	2.688	26.136	.468
150	13.454	34.885	2.599	26.187	.488
160	13.204	34.885	2.572	26.237	.507
170	13.066	34.897	2.522	26.297	.525
180	12.928	34.890	2.423	26.340	.543
190	12.378	34.875	2.265	26.437	.561
200	12.167	34.864	1.148	26.469	.578
300	11.067	34.829	.715	26.573	.807
400	8.671	34.720	.552	26.765	.881
500	8.540	34.652	.72	26.888	.946
599	8.507	34.652	.72	26.943	1.008

CAST EP2-79-01-061 DATE 10 FEB 79 TIME 1012 GMT
LAT 00 01.2N LONG 110 31.0W

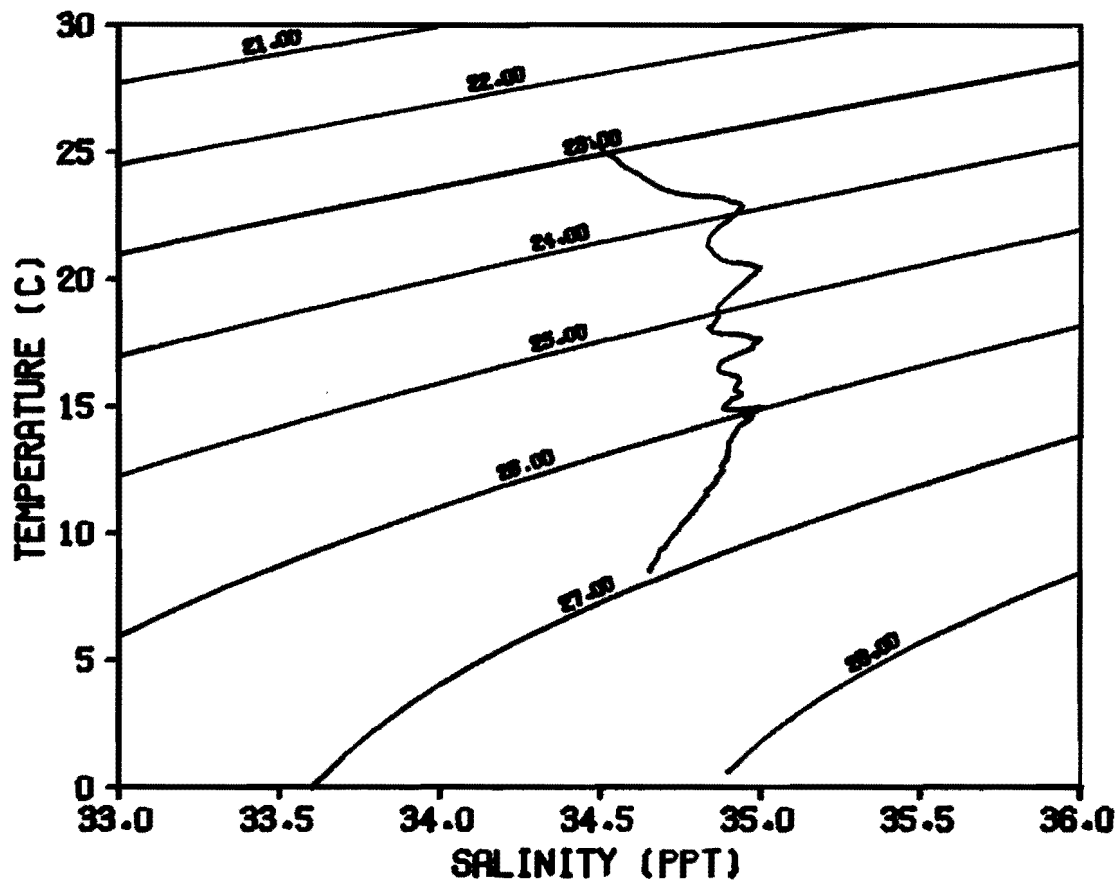


CAST EP2-79-DI-061 DATE 10 FEB 79 TIME 1012 GMT
 LAT 00 01.2N LONG 110 31.0W WEATHER 2 SEA STATE 3
 BAROMETER 10 WIND DIR 140 T SPD 07 KT VISIBILITY 7
 CLOUD 3 AMOUNT 7 DRY 24.7 WET 23.6 DEPTH 3085 M

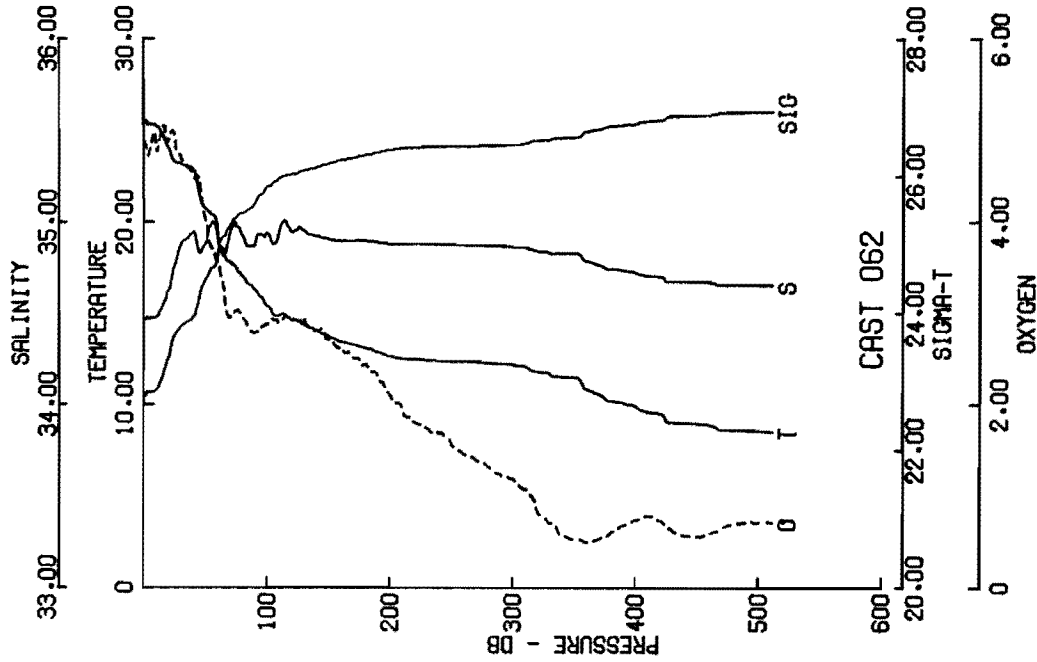


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	25.707	34.433	4.54	22.717	.000
10	25.697	34.433	4.556	22.719	.051
20	25.526	34.431	4.475	22.770	.099
30	23.921	34.464	4.475	22.812	.142
40	23.151	34.483	4.331	22.926	.182
50	22.620	34.486	4.317	23.018	.219
60	22.093	34.487	4.30	23.082	.252
70	17.739	34.485	3.89	23.148	.281
80	16.885	34.491	2.88	23.248	.331
90	15.099	34.488	2.88	23.275	.353
100	14.856	34.492	2.88	23.292	.374
110	14.419	34.490	2.79	23.302	.395
120	14.316	34.490	2.79	23.343	.415
130	13.952	34.490	2.70	23.389	.434
140	13.728	34.490	2.54	23.432	.453
150	13.455	34.489	2.54	23.472	.472
160	13.206	34.489	2.54	23.510	.490
170	13.069	34.488	2.21	23.546	.507
180	12.799	34.487	2.21	23.581	.525
190	12.521	34.487	1.98	23.614	.542
200	12.363	34.487	1.51	23.644	.562
250	12.081	34.487	1.51	23.678	.578
300	11.442	34.487	1.51	23.702	.592
350	9.653	34.467	1.51	23.722	.602
400	8.953	34.467	1.51	23.739	.612
450	8.552	34.467	1.73	23.752	.622
500	8.552	34.465	1.73	23.762	.632
511	8.552	34.465	1.73	23.762	.642

CAST EP2-79-01-062 DATE 10 FEB 79 TIME 1209 GMT
LAT 0 01.0S LONG 110 31.5W

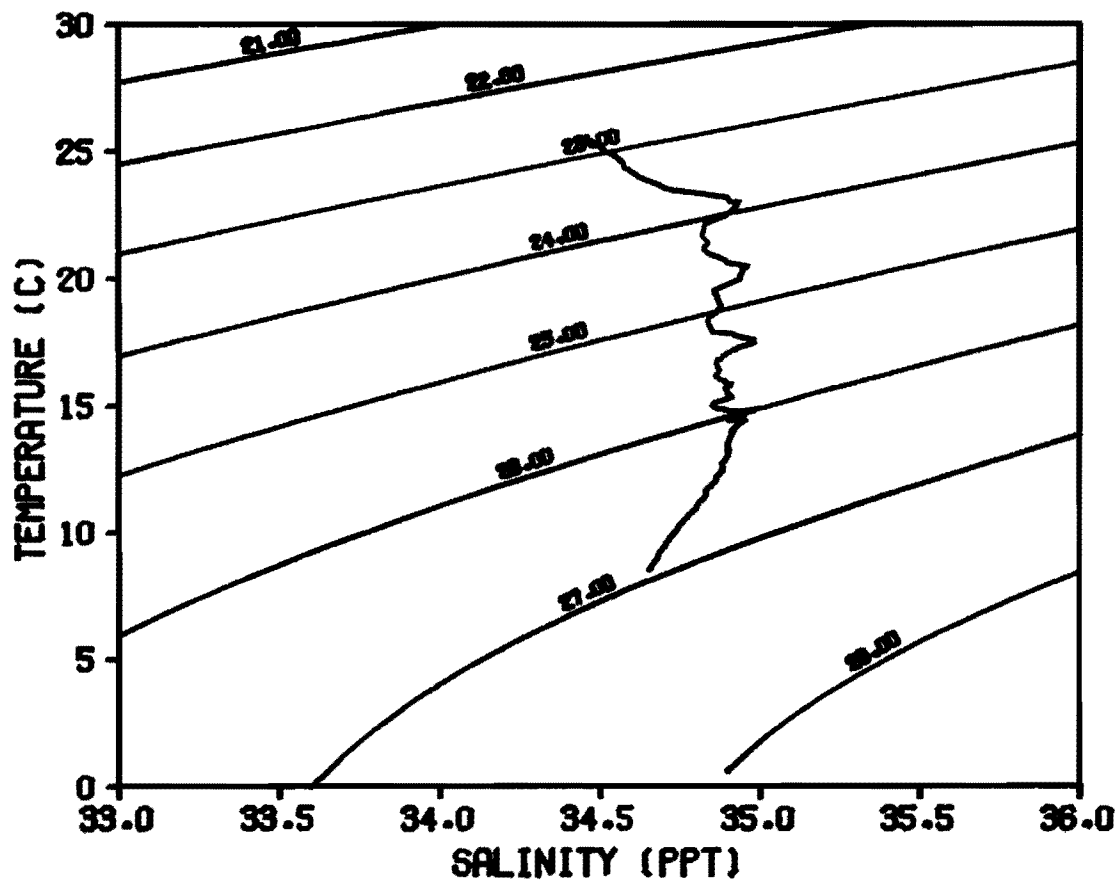


EP2-79-01-062 DATE 10 FEB 79 TIME 1209 GMT
 CAST 0 01 US LONG 110 31.5W WEATHER 2 SEA STATE 3
 BAROMETER 10 WIND DIR 165 T SPD 09 KT VISIBILITY 7
 CLOUD 4 AMOUNT 8 DRY 24.9 WET 23.8 WET 23.8 DEPTH 3605 M

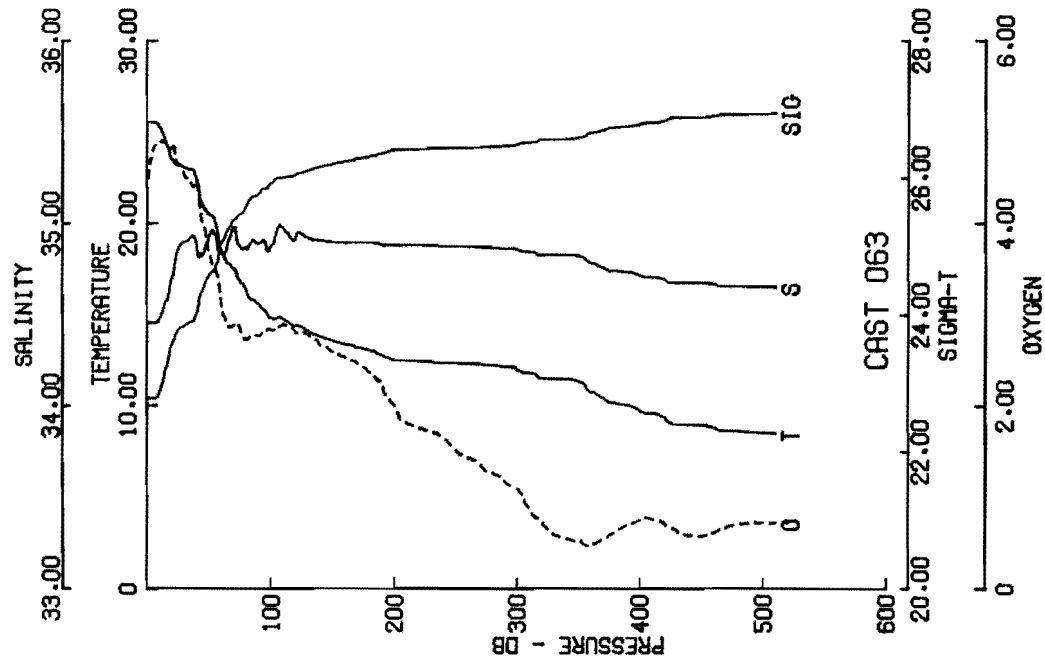


DEPTH (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	17.507	34.926	2.966	25.290	.302
10	16.326	34.877	2.879	25.395	.332
20	15.441	34.944	2.890	25.848	.377
30	14.889	34.949	2.905	26.032	.397
40	14.622	34.956	2.917	26.057	.417
50	14.393	34.923	2.812	26.125	.456
60	13.767	34.910	2.722	26.183	.474
70	13.298	34.898	2.622	26.237	.493
80	13.084	34.890	2.544	26.315	.511
90	12.884	34.881	2.472	26.378	.529
100	12.373	34.864	2.119	26.438	.629
110	11.937	34.831	1.544	26.469	.712
120	8.967	34.726	.564	26.568	.864
130	8.507	34.654	.721	26.889	.929
140				26.939	.990
150					
160					
170					
180					
190					
200					
250					
300					
350					
400					
450					
500					
511					

CAST EP2-79-DI-063 DATE 10 FEB 79 TIME 1411 GMT
LAT 00 01.1N LONG 110 30.4W

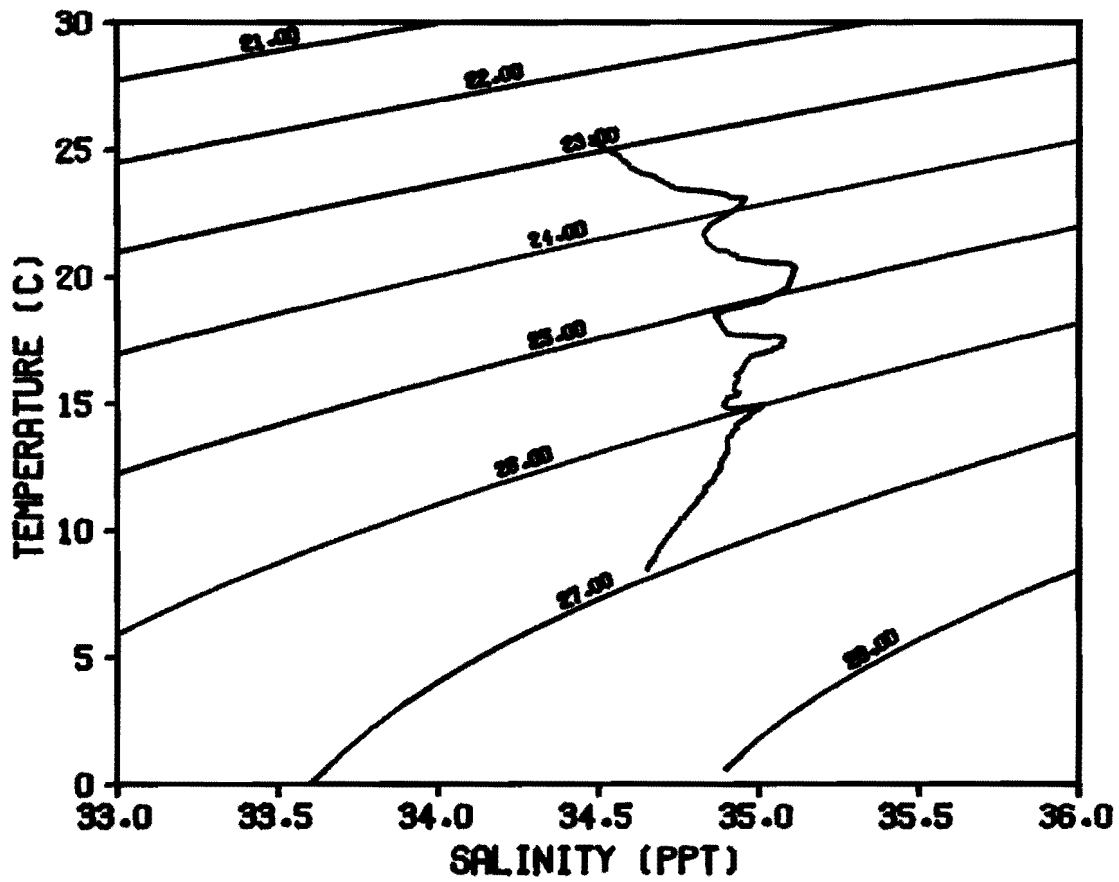


CAST EP2-79-DI-063 DATE 10 FEB 79 TIME 1411 GMT
 LAT 00 01.1N LONG 110 30.4W WEATHER 2 SEA STATE 3
 BAROMETER 11 WIND DIR 165 T SPD 08 KT VISIBILITY 7
 CLOUD 7 AMOUNT 7 DRY 25.0 MET 24.0 DEPTH M



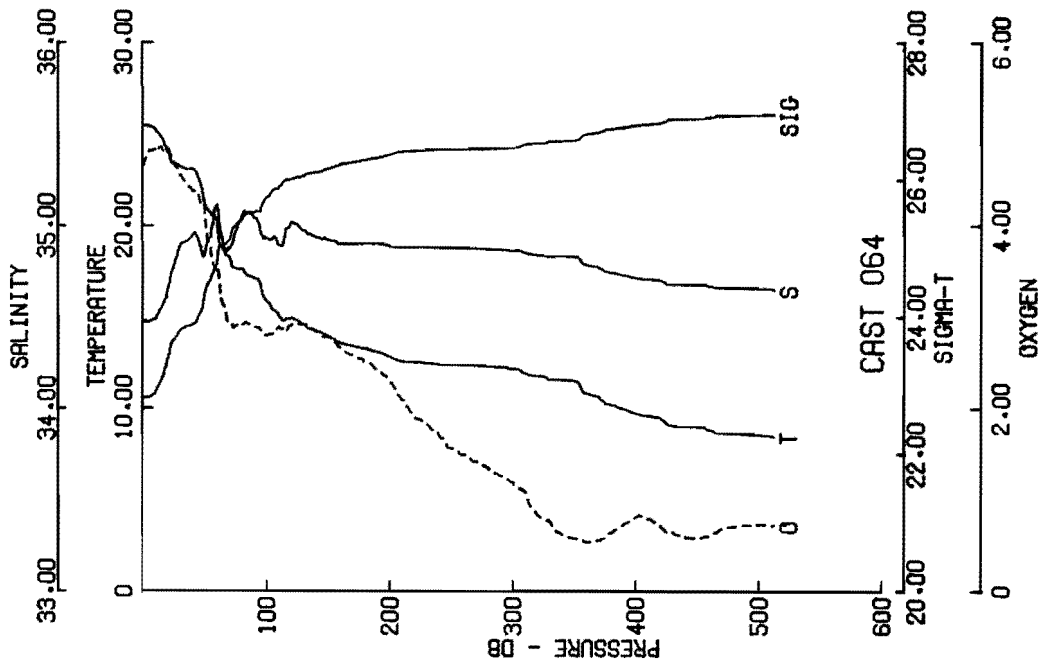
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T (DYN-M)	DELTA-M
0	25.575	34.459	4.48	22.776	.000
10	25.575	34.459	4.50	22.776	.051
20	23.529	34.470	4.86	22.866	.098
30	23.126	34.490	4.55	23.840	.180
40	22.433	34.491	4.45	24.584	.216
50	20.935	34.490	3.68	25.050	.276
60	18.468	34.497	3.19	25.770	.301
70	17.361	34.495	2.77	25.930	.324
80	15.852	34.482	2.84	26.018	.367
90	14.783	34.472	2.81	26.056	.387
100	14.708	34.470	2.79	26.115	.407
110	14.368	34.471	2.60	26.171	.426
120	13.828	34.490	2.54	26.249	.445
130	13.612	34.490	2.54	26.320	.461
140	13.412	34.480	2.54	26.367	.481
150	13.212	34.480	2.54	26.412	.499
160	13.012	34.480	2.54	26.449	.516
170	12.812	34.480	2.54	26.482	.533
180	12.612	34.480	2.54	26.512	.549
190	12.412	34.480	2.54	26.542	.566
200	12.212	34.480	2.54	26.572	.583
250	11.018	34.480	1.52	26.693	.613
300	10.360	34.480	1.52	26.777	.643
350	9.746	34.480	1.52	26.893	.673
400	9.155	34.480	1.52	26.945	.699
450	8.545	34.480	1.52	26.945	.714
500	8.545	34.480	1.52	26.945	.714
510	8.545	34.480	1.52	26.945	.714

CAST EP2-79-01-064 DATE 10 FEB 79 TIME 1611 GMT
LAT 0 00.7S LONG 110 31.9W

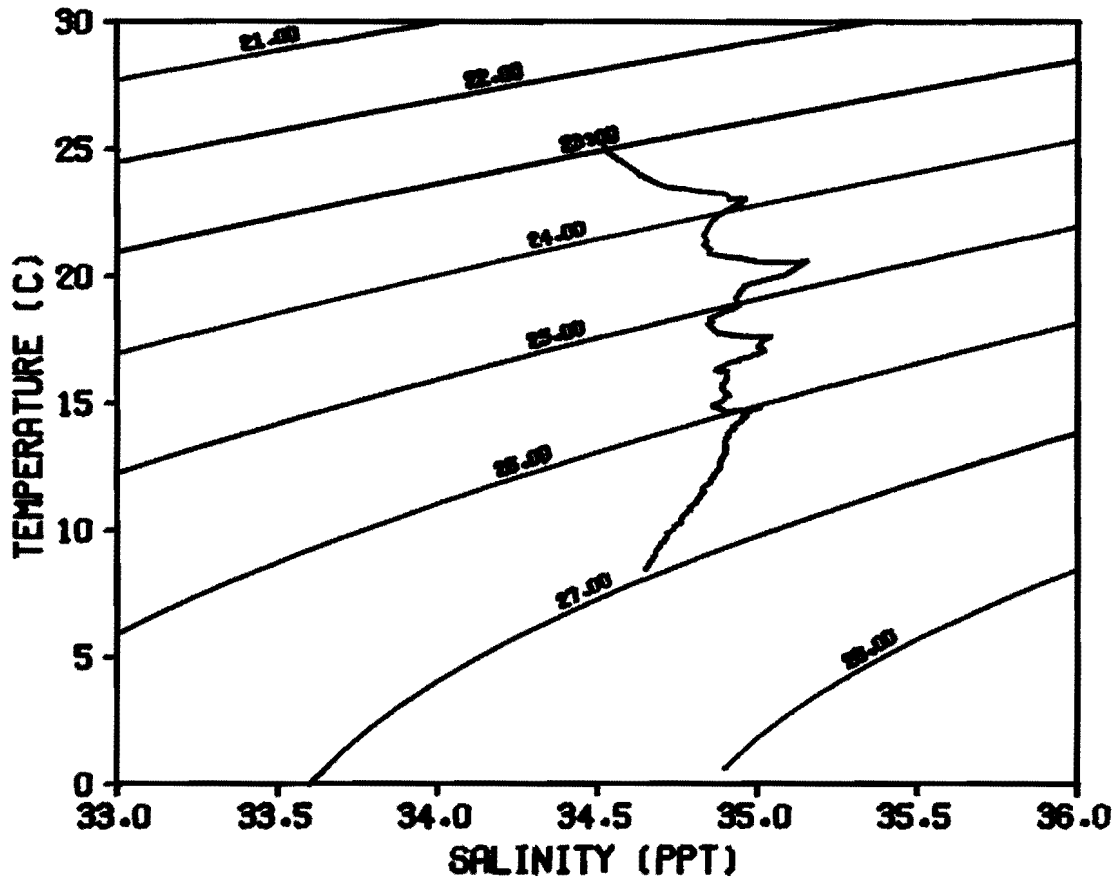


CAST EP2-79-01-064 DATE 10 FEB 79 TIME 1611 GMT
 LAT 0 00.75 LONG 110 31.9W WEATHER 2 SEA STATE 3
 BAROMETER 12 WIND DIR 170 T SPD 07 KNT VISIBILITY 7
 CLOUD 6 AMOUNT 7 DRY 25.9 WET 24.3 DEPT 3600 M

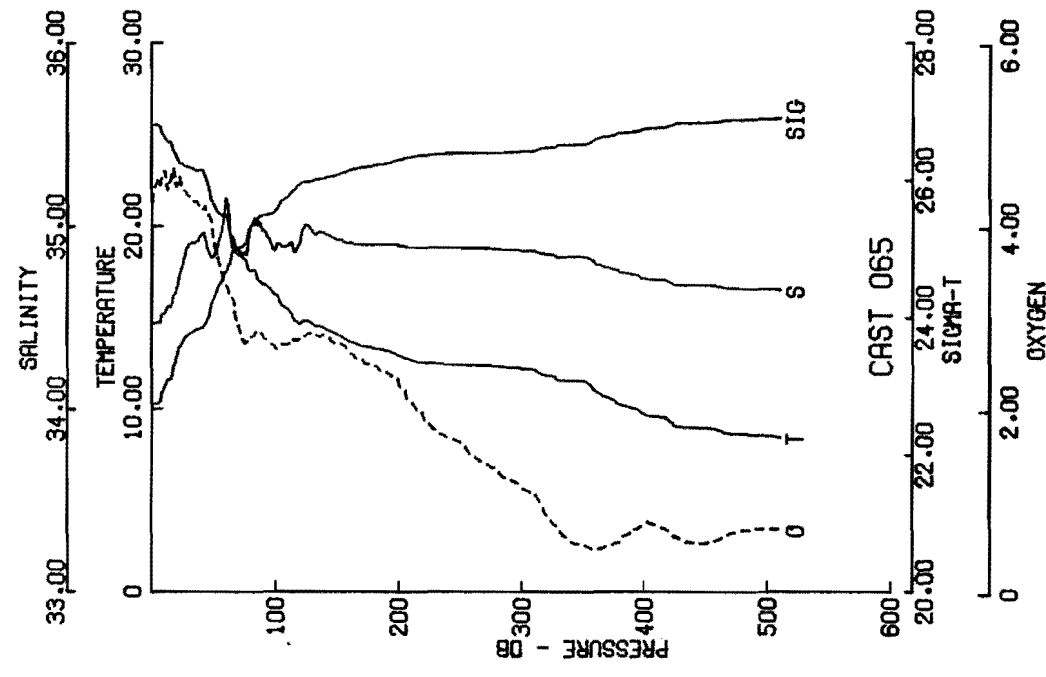
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	25.479	34.477	4.65	22.816	.000
10	25.315	34.478	4.63	22.878	.058
20	24.047	34.634	4.63	22.369	.141
30	23.075	34.882	4.55	22.379	.182
40	22.079	34.946	4.30	22.389	.221
50	21.349	35.114	3.92	22.374	.255
60	20.252	35.174	2.91	22.513	.284
70	17.641	35.054	2.90	22.541	.311
80	17.138	35.044	2.80	22.574	.336
90	15.863	34.893	2.80	22.584	.361
100	15.059	34.809	2.89	22.589	.383
110	14.959	35.019	2.91	22.012	.404
120	14.593	34.972	2.85	22.056	.424
130	13.246	34.924	2.79	22.158	.443
140	13.939	34.922	2.68	22.218	.463
150	13.572	34.900	2.50	22.251	.482
160	13.405	34.902	2.49	22.277	.500
170	13.284	34.901	2.49	22.317	.518
180	13.084	34.889	2.49	22.359	.537
190	12.873	34.877	1.56	22.439	.557
200	12.145	34.863	1.19	22.572	.620
250	11.719	34.831	.81	22.679	.871
300	9.909	34.777	.58	22.890	.939
350	8.719	34.653	.72	22.942	.997
400	8.522	34.647			
450	8.439				
500					
512					



CAST EP2-79-01-065 DATE 10 FEB 79 TIME 1811 GMT
LAT 0 00.3S LONG 110 31.9W

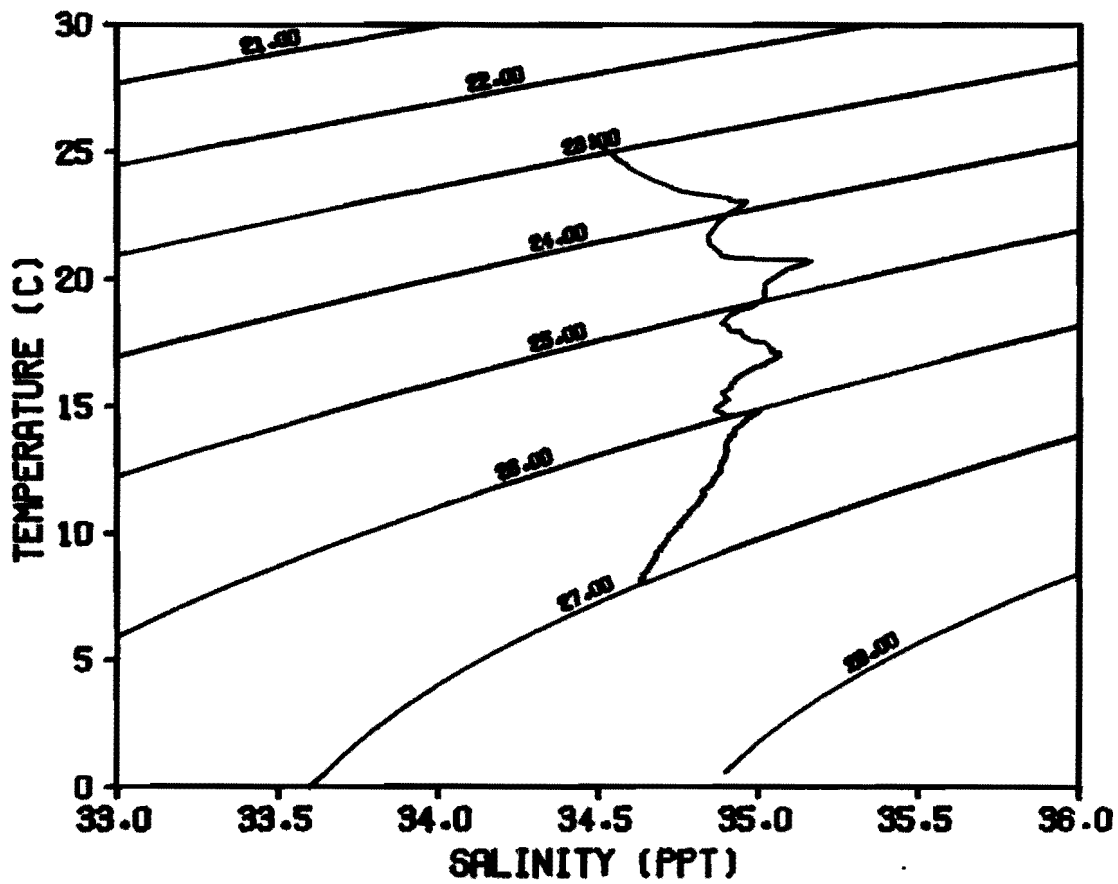


CAST EP2-79-DI-065 DATE 10 FEB 79 TIME 1811 GMT
 LAT 0 00.35 LONG 110 31.9W WEATHER 2 SEA STATE 3
 BAROMETER 12 WIND DIR 170 T SPD 10 KT VISIBILITY 7
 CLOUD 2 AMOUNT 8 DRY 26.9 WET 24.5 DEPTH 3703 M

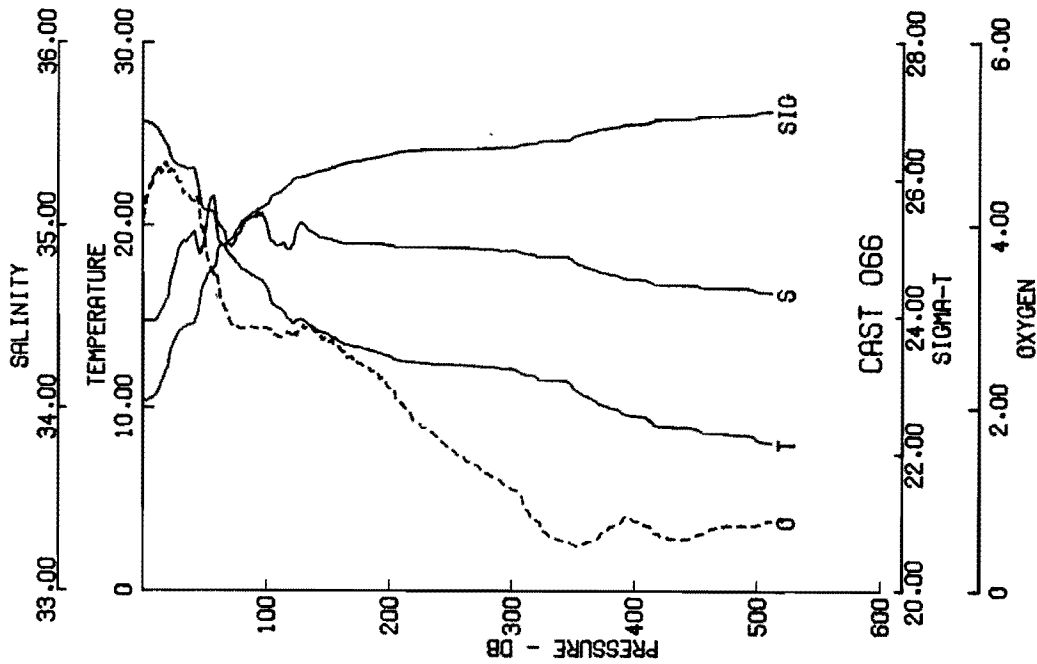


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	25.579	34.468	4.34	22.782	.000
1	25.545	34.468	4.30	22.792	.050
10	24.944	34.525	4.40	22.801	.097
20	23.832	34.556	4.40	22.805	.140
30	23.059	34.597	4.22	22.800	.180
40	21.187	34.832	3.85	22.733	.219
50	20.595	34.832	3.39	22.739	.253
60	19.433	34.865	2.94	22.707	.283
70	17.604	35.002	2.84	22.538	.311
80	16.851	34.980	2.84	22.551	.337
90	16.258	34.879	2.76	22.561	.361
100	15.451	34.894	2.79	22.594	.384
110	14.680	34.914	2.86	22.604	.406
120	14.076	34.950	2.85	22.608	.426
130	13.684	34.924	2.76	22.605	.446
140	13.684	34.924	2.76	22.620	.466
150	13.684	34.919	2.58	22.622	.485
160	13.315	34.900	2.50	22.629	.503
170	13.183	34.890	2.44	22.634	.521
180	12.920	34.878	2.37	22.637	.539
190	12.588	34.878	1.80	22.643	.557
200	12.166	34.863	1.20	22.647	.571
250	11.971	34.832	1.00	22.657	.591
300	11.710	34.715	.77	22.673	.624
350	11.554	34.678	.57	22.698	.676
400	11.435	34.656	.57	22.693	.740
450	11.435	34.649	.72	22.644	.876
500	18.433	34.649	.72	22.695	.940
510	18.433	34.649	.72	22.695	1.002

CAST EP2-79-01-066 DATE 10 FEB 79 TIME 2012 GMT
LAT 0 00.1S LONG 110 32.3W

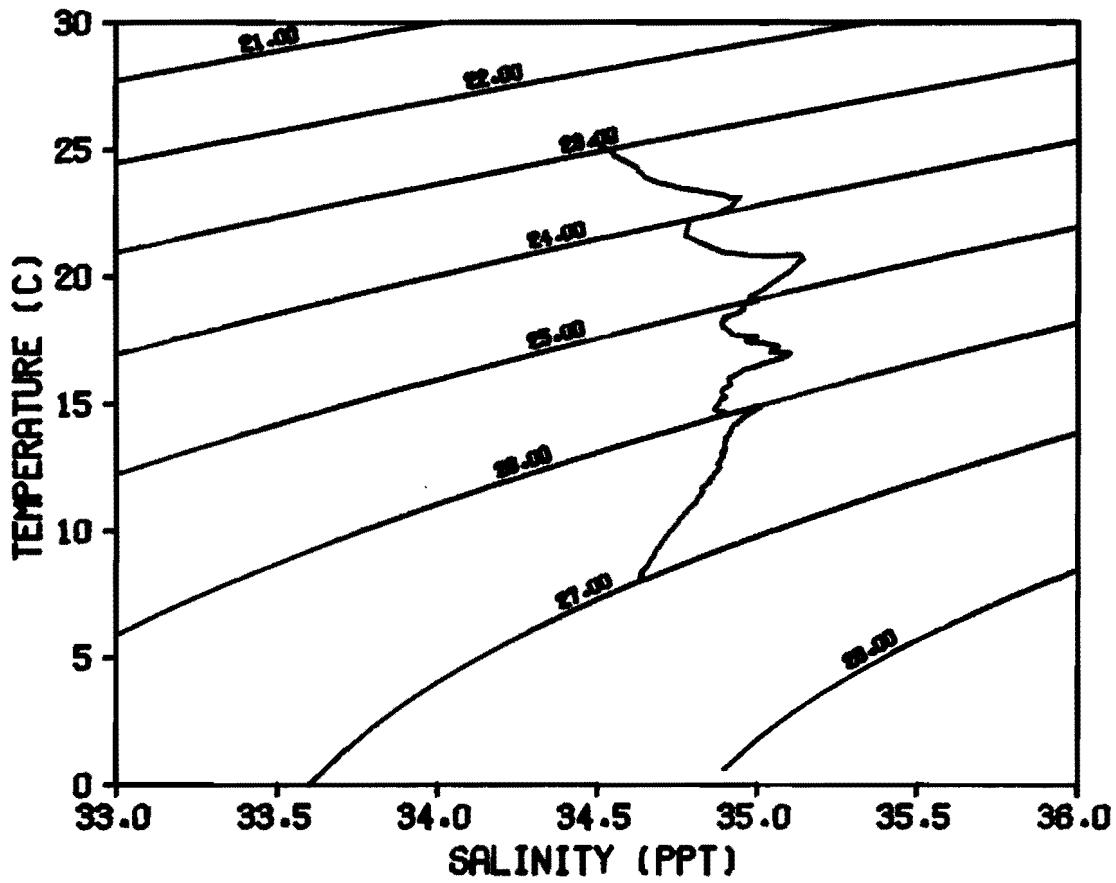


CAST EP2-79-DI-066 DATE 10 FEB 79 TIME 2012 GMT
 LAT 0 00.15 LONG 110 32.34 WEATHER 2 SEA STATE 3
 BAROMETER 11 WIND DIR 175 T SPU 08 KT VISIBILITY 7
 CLOUD 6 AMOUNT 8 DRY 26.9 WET 24.6 MET 24.6 DEPTH 3695 M

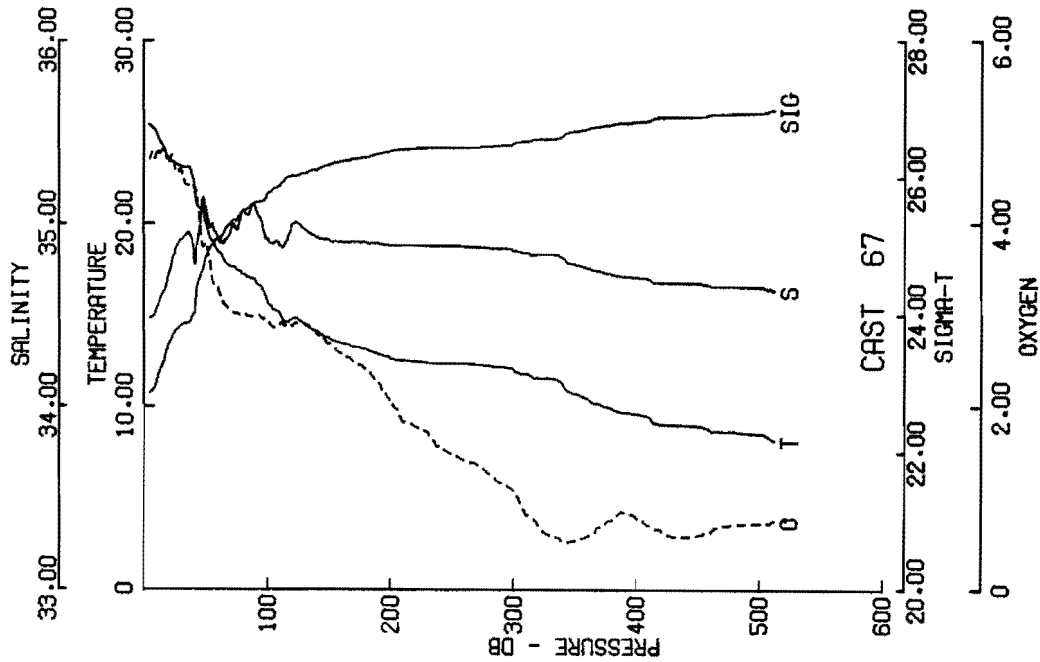


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	25.686	34.479	4.07	22.757	.000
10	25.634	34.479	4.08	22.773	.051
20	25.382	34.479	4.56	22.850	.099
30	24.376	34.581	4.64	22.842	.143
40	23.255	34.681	4.27	22.788	.183
50	23.095	34.915	3.86	22.694	.221
60	19.799	35.015	3.44	22.644	.254
70	18.414	34.890	2.98	22.510	.284
80	17.560	34.980	2.87	22.380	.312
90	17.216	35.045	2.88	22.514	.337
100	16.649	35.018	2.78	22.570	.362
110	15.473	34.871	2.51	22.620	.385
120	14.767	35.000	2.91	22.594	.407
130	14.805	34.951	2.83	22.636	.427
140	14.061	34.924	2.72	22.609	.447
150	13.614	34.907	2.65	22.613	.465
160	13.381	34.896	2.56	22.625	.485
170	13.227	34.897	2.46	22.627	.504
180	13.051	34.888	2.39	22.620	.522
190	12.849	34.868	2.22	22.635	.540
200	12.377	34.863	1.54	22.643	.557
250	12.152	34.808	1.12	22.647	.571
300	11.111	34.706	1.51	22.621	.624
350	9.593	34.637	.77	22.610	.673
400	8.872	34.631	.73	22.690	.724
450	8.250		.77	22.971	.773
500	8.096			22.989	.837
511					.998

CAST EP2-79-01-067 DATE 10 FEB 79 TIME 2216 GMT
LAT 0 01.1S LONG 110 33.2W

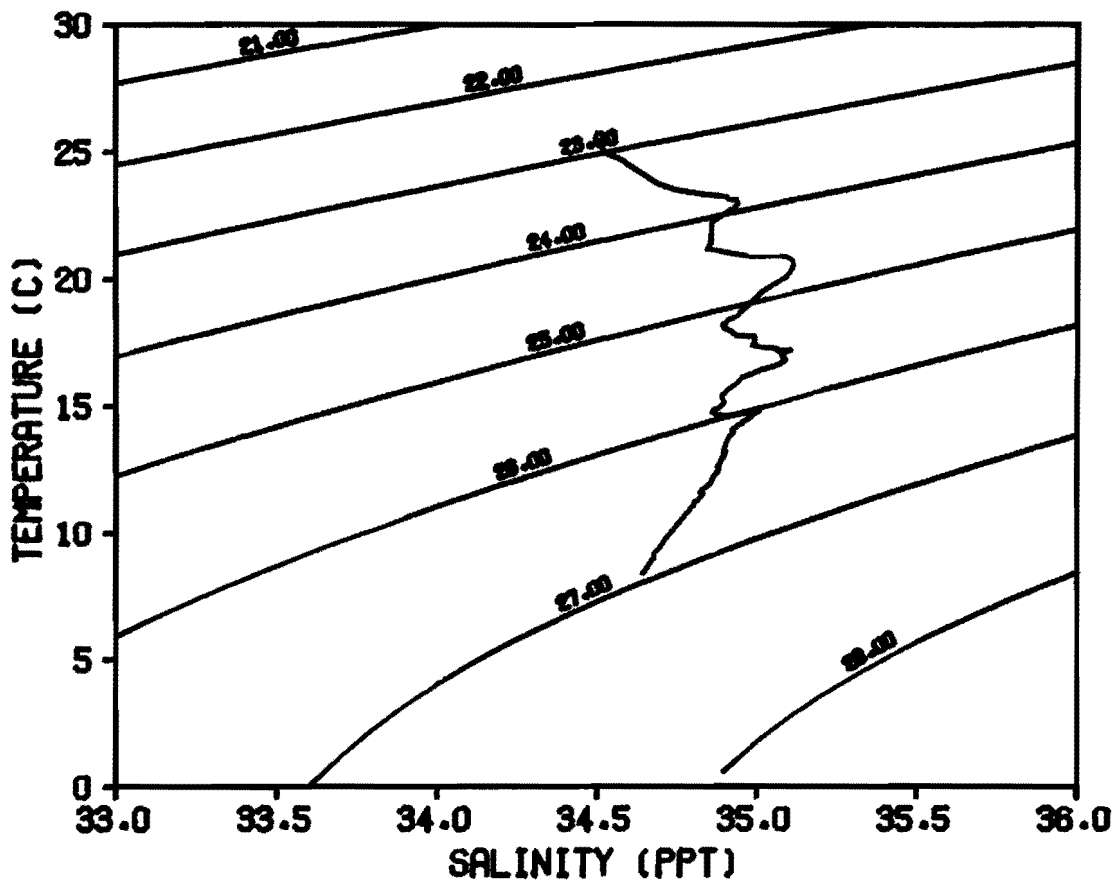


CAST EP2-79-DI-067 DATE 10 FEB 79 TIME 2216 GMT
 LAT 0 01.15 LONG 110 33.2M WEA THER 2 SEA STATE 3
 BAROMETER 10 WIND DIR 155 T SPD 11 KT VISIBILITY 7
 CLOUD 4 AMOUNT 8 DRY 26.5 WET 24.7 MET 3695 M

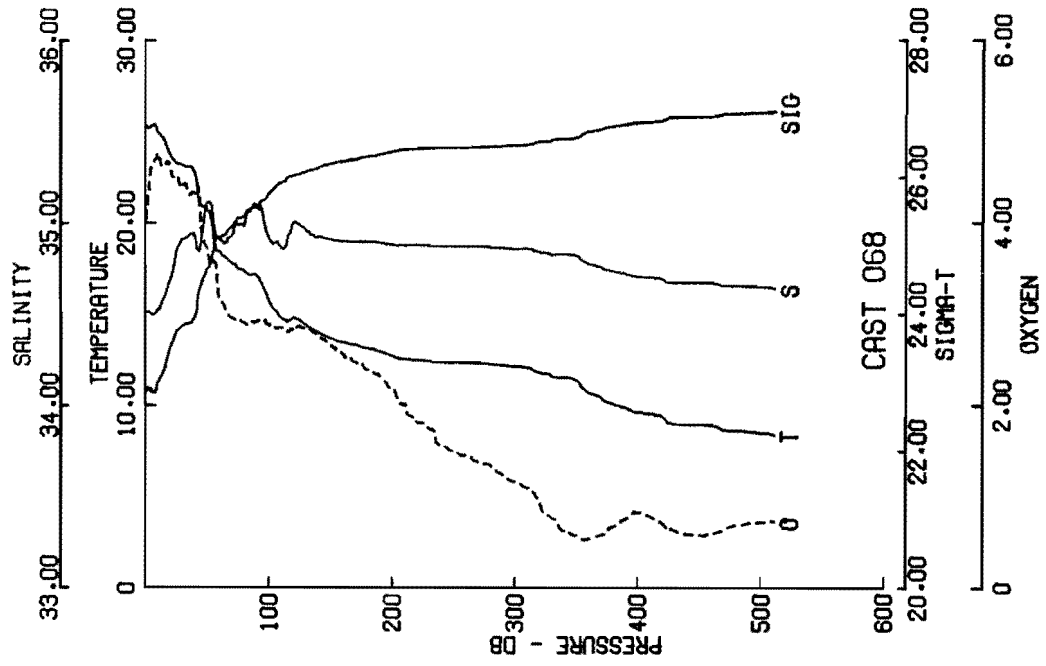


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	25.701	34.463	4.51	22.740	.000
5	25.397	34.483	4.70	22.849	.050
10	25.033	34.520	4.72	22.992	.097
20	23.643	34.704	4.65	23.541	.139
30	22.148	34.908	4.43	24.011	.179
40	20.468	35.078	4.28	24.414	.214
50	18.508	35.096	3.20	25.126	.272
60	17.173	35.067	3.00	25.517	.298
70	17.272	35.094	2.99	25.629	.323
80	16.892	34.885	2.90	25.767	.346
100	15.709	34.885	2.89	26.034	.389
110	15.129	34.997	2.80	26.064	.409
120	14.549	34.970	2.80	26.116	.429
130	14.144	34.925	2.80	26.188	.448
140	13.757	34.899	2.58	26.241	.466
150	13.451	34.901	2.49	26.276	.485
160	13.285	34.897	2.41	26.299	.503
170	13.154	34.891	2.26	26.350	.520
180	12.880	34.876	2.05	26.384	.537
190	12.648	34.875	1.48	26.440	.521
200	12.562	34.852	1.08	26.488	.703
250	10.020	34.777	.53	26.676	.850
300	8.688	34.673	.59	26.812	.914
350	8.528	34.673	.72	26.943	.975
400	8.465	34.650	.75		
450	8.461				
500					
512					

CAST EP2-79-01-068 DATE 11 FEB 79 TIME 0008 GMT
LAT 0 01.0S LONG 110 33.0W

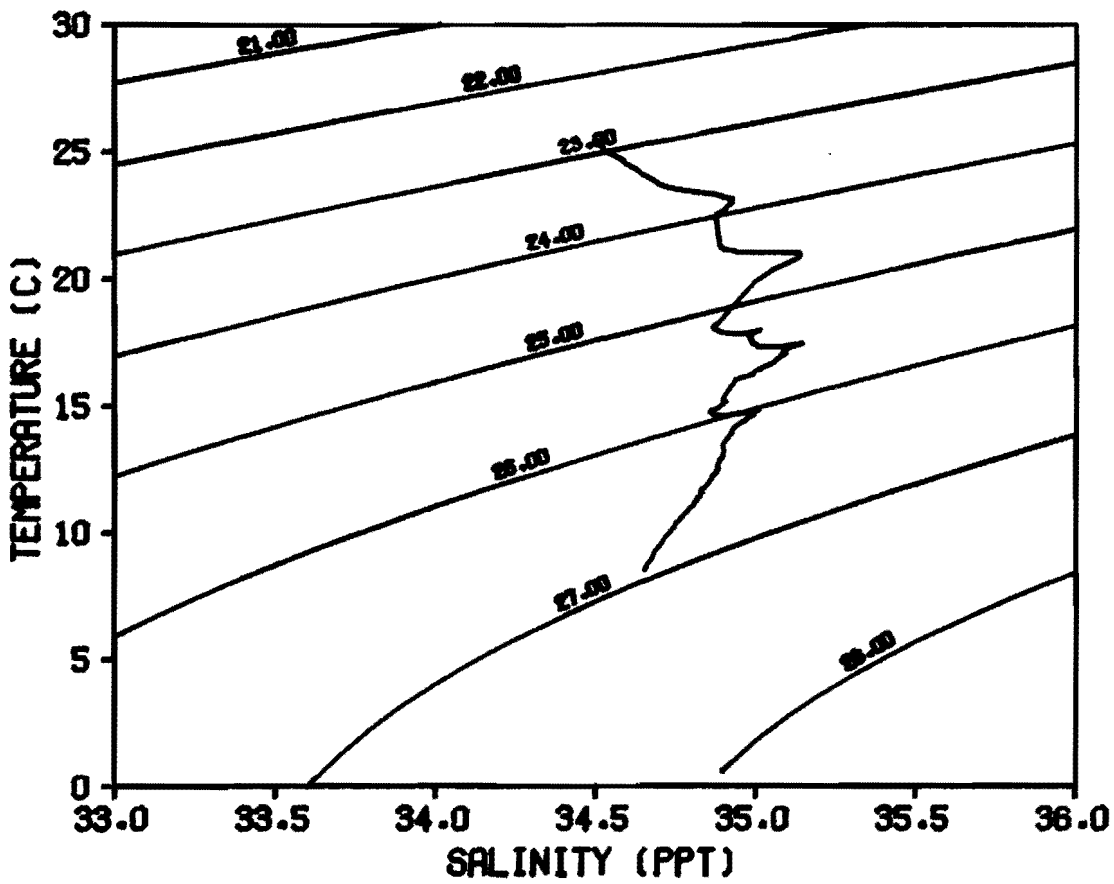


CAST EP2-79-DI-068 DATE 11 FEB 79 TIME 0008 GMT
 LAT 01.05 LONG 110 33.0W SEA STATE 3
 BAROMETER 09 WIND 160 T SPD 11 KT VISIBILITY 7
 CLOUD 4 AMOUNT 7 DRY 25.9 WET 24.9 DEPTH 3695 M

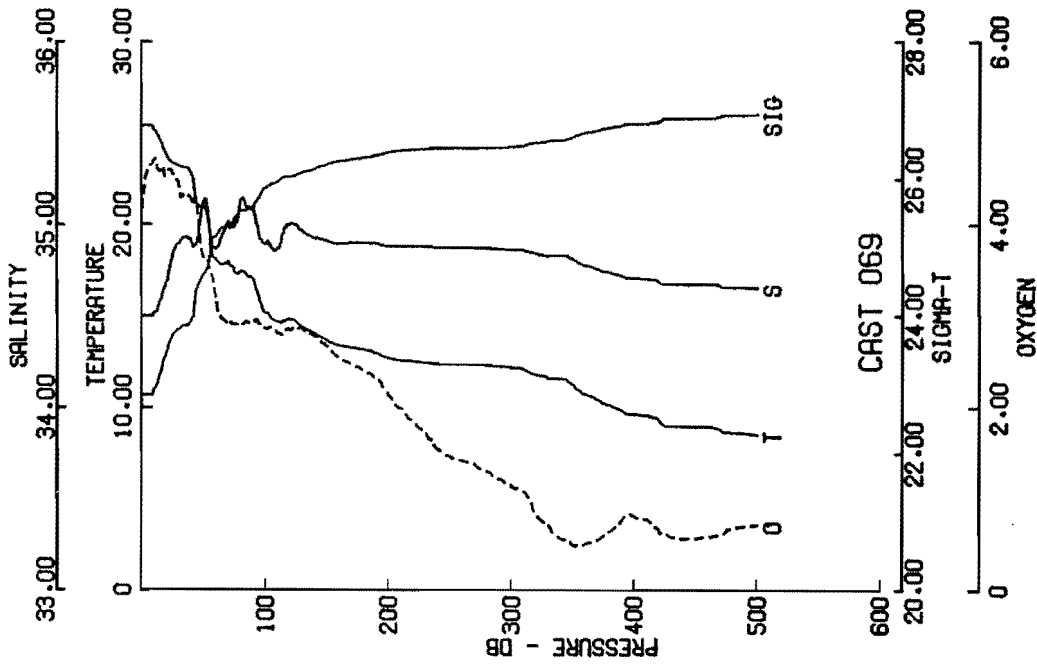


PRES (DB)	TEMP (C)	SAL (PPT)	DOXY (ML/L)	SIG-T (DYN-M)	DELTA-M
0	25.246	34.519	4.02	22.983	.000
1	25.367	34.514	4.02	22.983	.050
10	24.987	34.523	4.77	23.004	.139
30	23.769	34.686	4.60	23.624	.179
40	22.210	34.911	4.33	24.057	.215
50	20.790	35.114	3.73	24.664	.249
60	19.443	34.923	3.16	25.120	.274
70	17.788	34.985	2.96	25.430	.300
80	17.373	35.096	2.92	25.567	.325
100	15.729	34.985	2.89	25.762	.349
110	14.829	34.865	2.86	25.921	.371
120	14.416	35.005	2.82	26.031	.391
130	14.010	34.920	2.76	26.088	.411
140	13.699	34.901	2.70	26.140	.431
150	13.464	34.900	2.56	26.199	.450
170	13.333	34.899	2.56	26.240	.468
180	13.147	34.895	2.39	26.265	.486
190	12.958	34.884	2.39	26.302	.504
200	12.722	34.874	2.19	26.338	.522
250	12.306	34.861	1.90	26.370	.539
300	11.937	34.861	1.57	26.439	.563
350	11.651	34.709	1.19	26.470	.706
400	8.971	34.650	.83	26.583	.856
500	8.495	34.650	.73	26.808	.921
511	8.391	34.641	.73	26.953	.983

CAST EP2-79-01-069 DATE 11 FEB 79 TIME 0210 GMT
LAT 00 00.5N LONG 110 30.7W

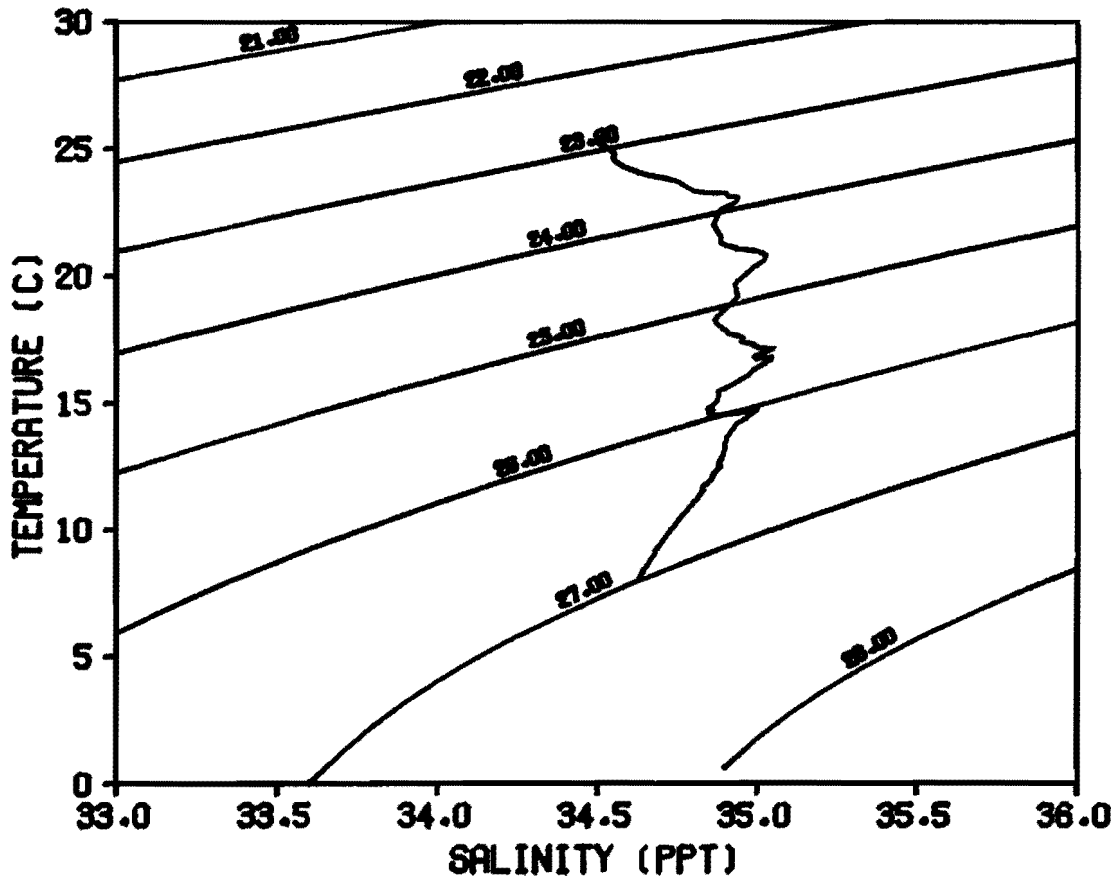


CAST EP2-79-DI-069 DATE 11 FEB 79 TIME 0210 GMT
 LAT 00 00.5N LONG 110 30.7W WEATHER 1 SEA STATE 2
 BAROMETER 10 WIND DIR 155 T SPD 10 KT VISIBILITY 7
 CLOUD 6 AMOUNT 6 DRY 25.3 WET 24.2 DEPTH 3695 M

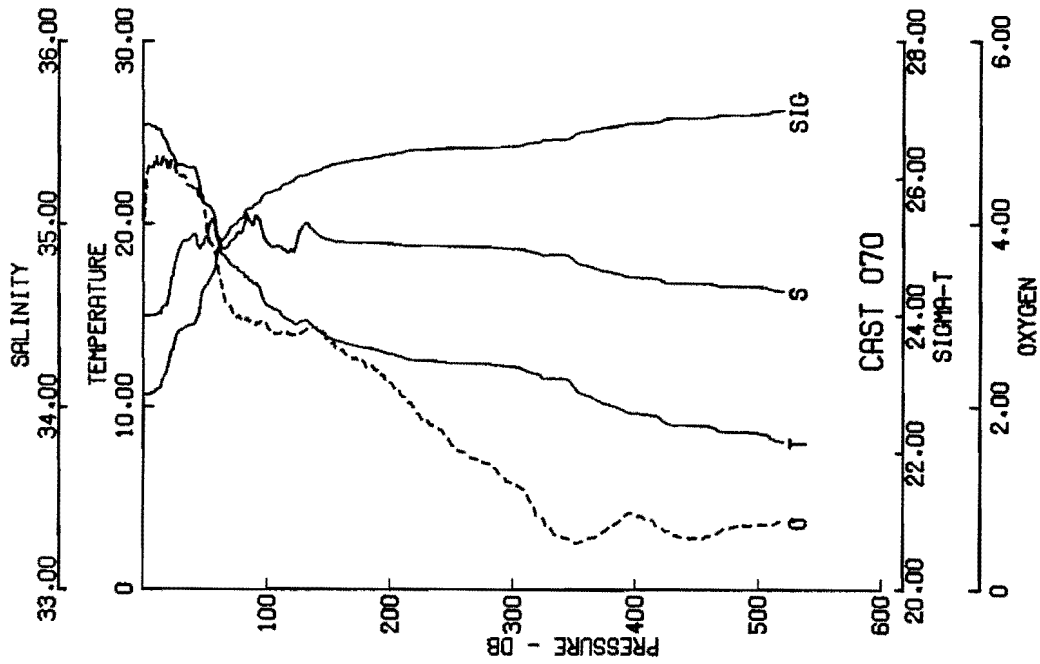


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	25.414	34.502	4.19	22.858	.000
10	25.402	34.520	4.170	22.860	.050
20	25.202	34.520	4.154	22.836	.097
30	23.854	34.684	4.147	23.464	.140
40	23.229	34.895	4.128	23.806	.180
50	22.998	34.913	4.116	23.931	.217
60	18.100	34.869	3.177	24.602	.248
70	17.423	35.016	3.191	25.162	.275
80	17.024	35.136	2.89	25.334	.301
90	15.024	35.1097	2.82	25.597	.326
100	15.189	34.871	2.86	25.868	.349
110	14.820	35.002	2.85	25.958	.370
120	14.407	34.968	2.86	26.030	.390
130	14.029	34.926	2.78	26.093	.410
140	13.688	34.913	2.77	26.141	.430
150	13.377	34.897	2.54	26.202	.449
170	13.205	34.900	2.47	26.254	.467
180	13.153	34.901	2.38	26.280	.485
190	12.965	34.897	2.31	26.303	.503
200	12.684	34.882	2.14	26.338	.521
250	12.361	34.876	1.46	26.382	.538
300	11.171	34.876	1.15	26.441	.604
350	11.255	34.810	1.50	26.468	.704
400	8.973	34.709	.81	26.604	.784
450	8.510	34.677	.71	26.805	.855
500		34.652		26.889	.919
				26.943	.982

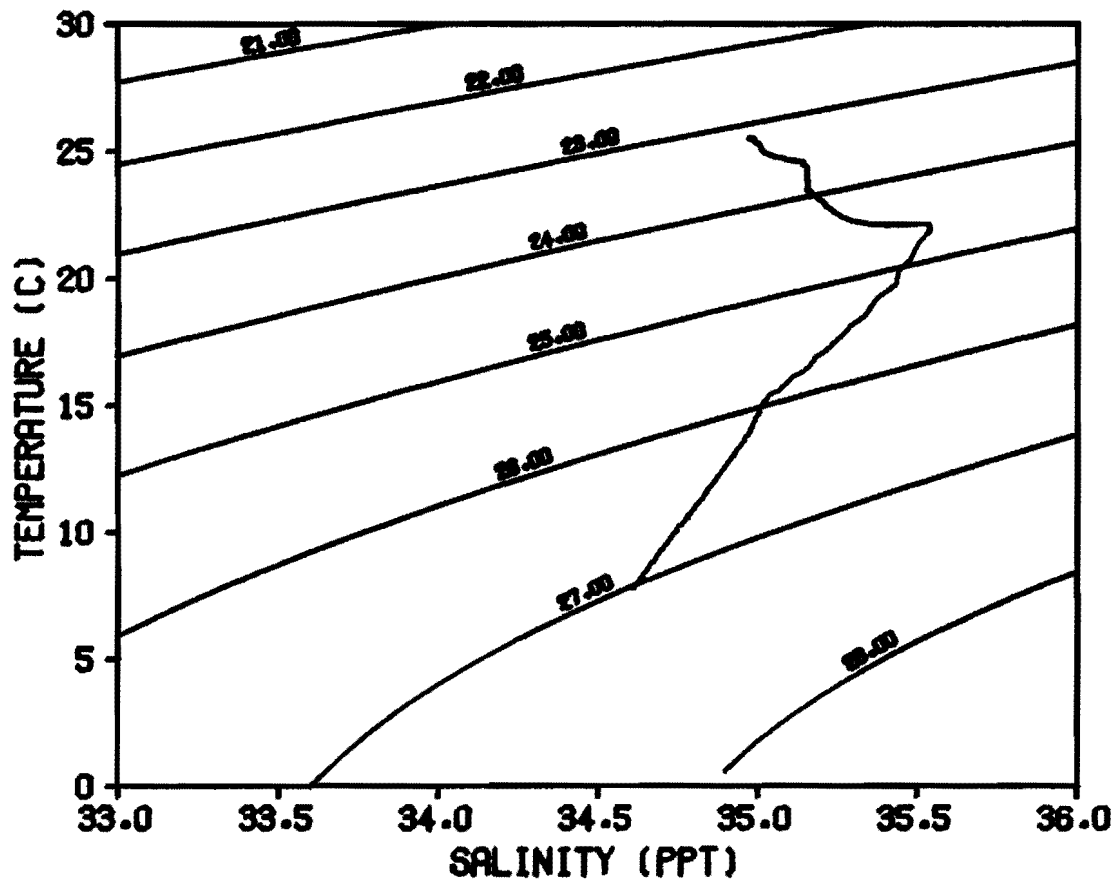
CAST EP2-79-01-070 DATE 11 FEB 79 TIME 0414 GMT
LAT 00 00.5N LONG 110 29.6W



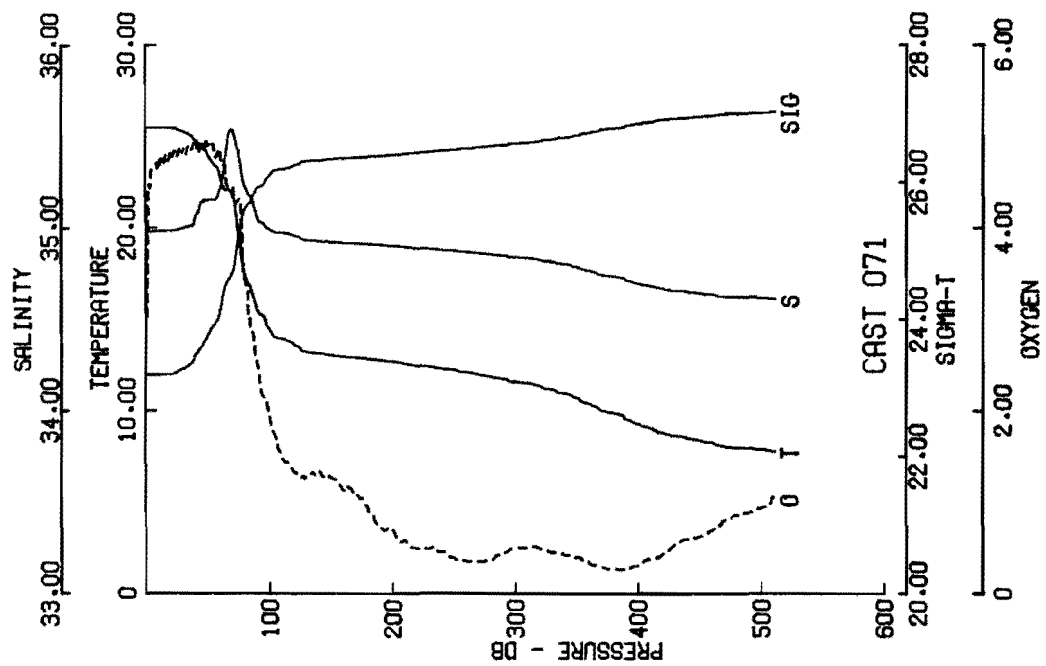
CAST EP2-79-01-070 DATE 11 FEB 79 TIME 0414 GMT
 LAT 00 00.5N LONG 110 29.6W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 140 T SPD 10 KT VISIBILITY 7
 CLOUD 7 AMOUNT 3 DRY 25.0 WET 24.0 DEPTH 3695 M



CAST EP2-79-DI-071 DATE 12 FEB 79 TIME 0438 GMT
LAT 3 00.2S LONG 110 00.2W

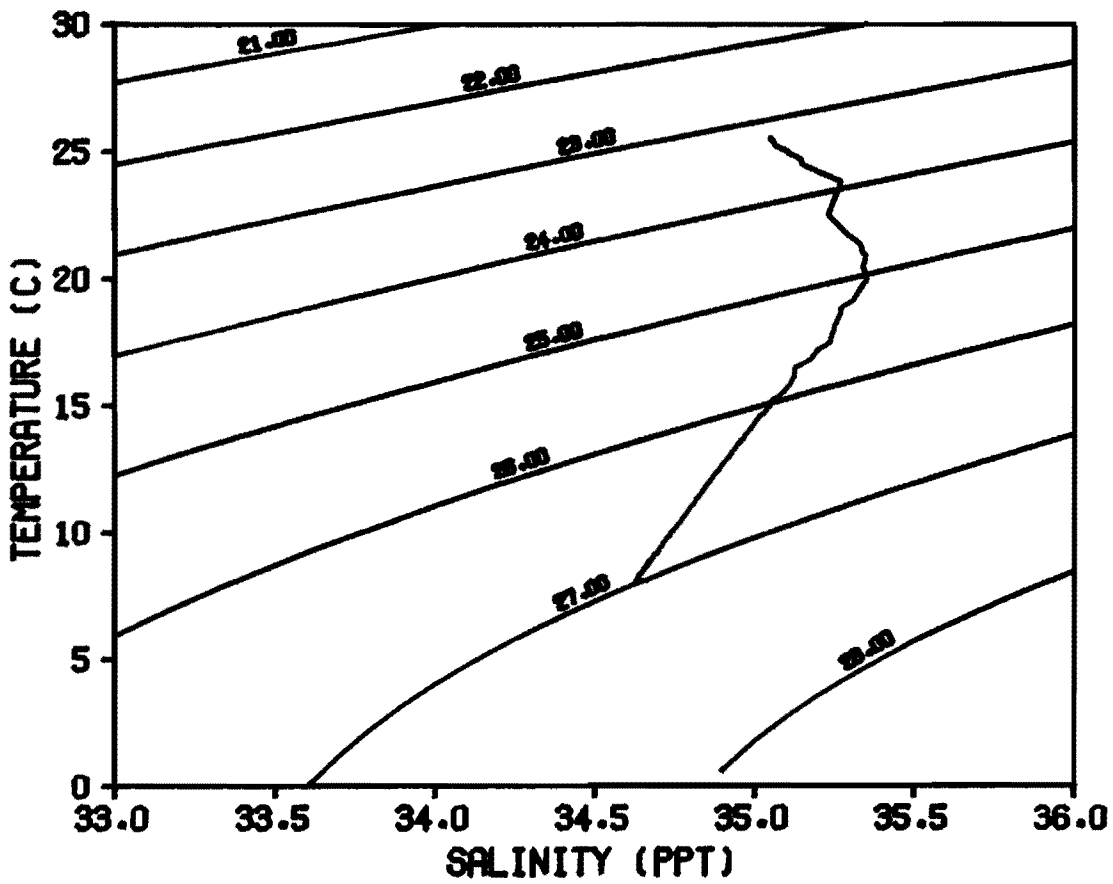


CAST EP2-79-01-071 DATE 12 FEB 79 TIME 0439 GMT
 LAT 3 00.2S LONG 110 00.2W WEATHER 1 SEA STATE 4
 BAROMETER 11 WIND DIR 140 T SPD 17 KT VISIBILITY 7
 CLOUD 4 AMOUNT 2 DRY 25.7 WET 24.0 DEPTH M

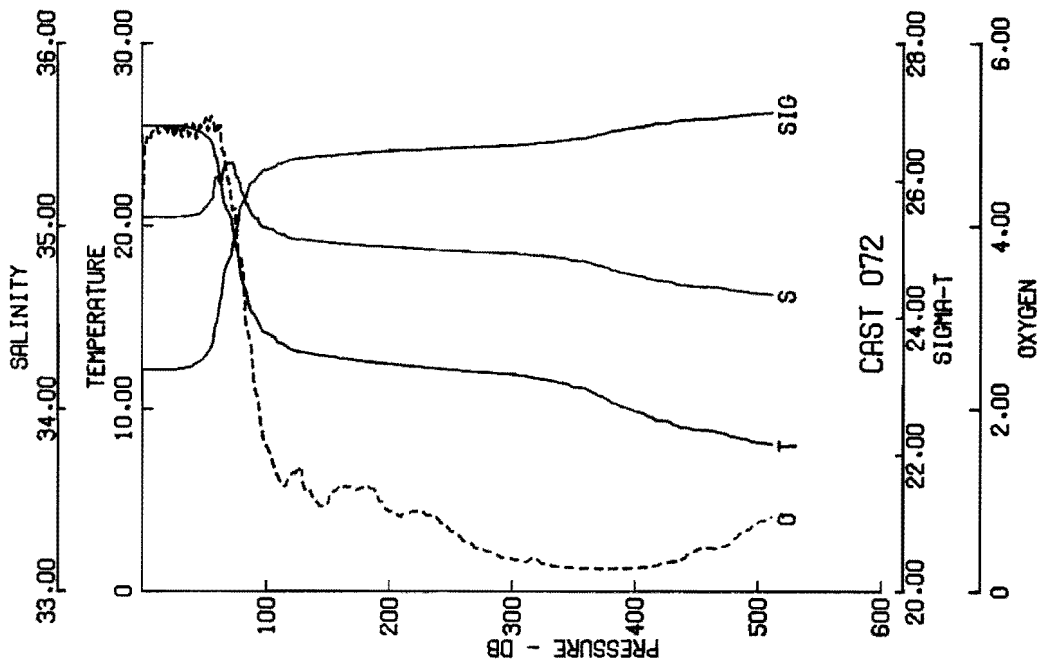


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	25.5235	34.975	3.48	23.181	.000
1	25.523	34.974	3.03	23.180	.047
10	25.525	34.983	4.82	23.189	.141
20	25.494	34.985	4.82	23.170	.186
30	25.296	35.000	4.89	23.155	.230
40	24.750	35.015	4.87	23.134	.270
50	24.070	35.237	4.45	23.169	.305
60	22.837	35.236	3.45	23.609	.333
70	21.526	35.236	2.95	25.918	.356
80	15.452	34.991	1.52	26.101	.376
90	13.945	34.975	1.38	26.196	.414
100	13.621	34.957	1.34	26.248	.432
110	13.228	34.937	1.34	26.315	.449
120	12.748	34.928	1.26	26.325	.466
130	12.28	34.924	1.11	26.357	.484
140	11.947	34.917	1.11	26.366	.501
150	12.815	34.916	.70	26.378	.518
160	12.749	34.907	.70	26.389	.535
170	12.686	34.903	.39	26.398	.552
180	12.621	34.876	.50	26.470	.574
190	11.598	34.839	.31	26.567	.714
200	11.284	34.697	.63	26.681	.858
250	8.297	34.649	.63	26.955	.919
300	7.874	34.617	1.04	27.023	.977
350	7.767	34.610			

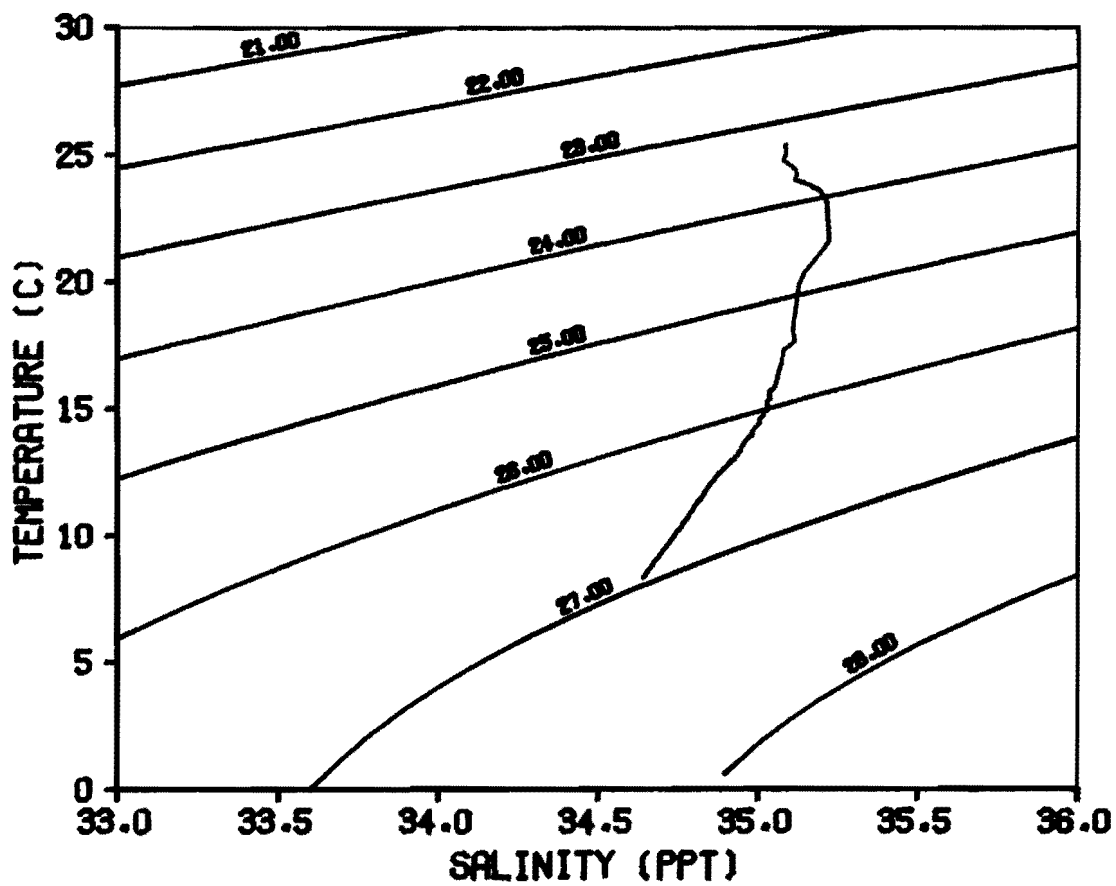
CAST EP2-79-DI-072 DATE 12 FEB 79 TIME 0753 GMT
LAT 2 30.2S LONG 109 59.2W



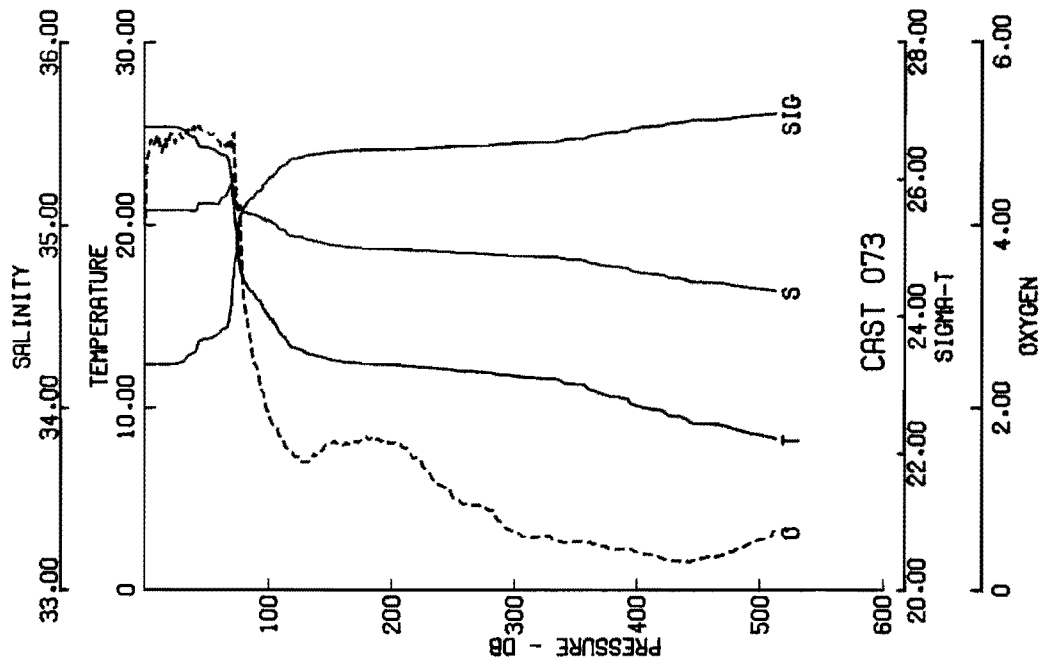
CAST EP2-79-01-072 DATE 12 FEB 79 TIME 0753 GMT
 LAT 230.25 LONG 109 59.24 WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 120 KT SPD 12 VISIBILITY 7
 CLOUD 3 AMOUNT 7 WET DRY 25.6 WET 24.2 DEPTH 3819 M



CAST EP2-79-DI-073 DATE 12 FEB 79 TIME 1106 GMT
LAT 2 00.0S LONG 110 00.0W

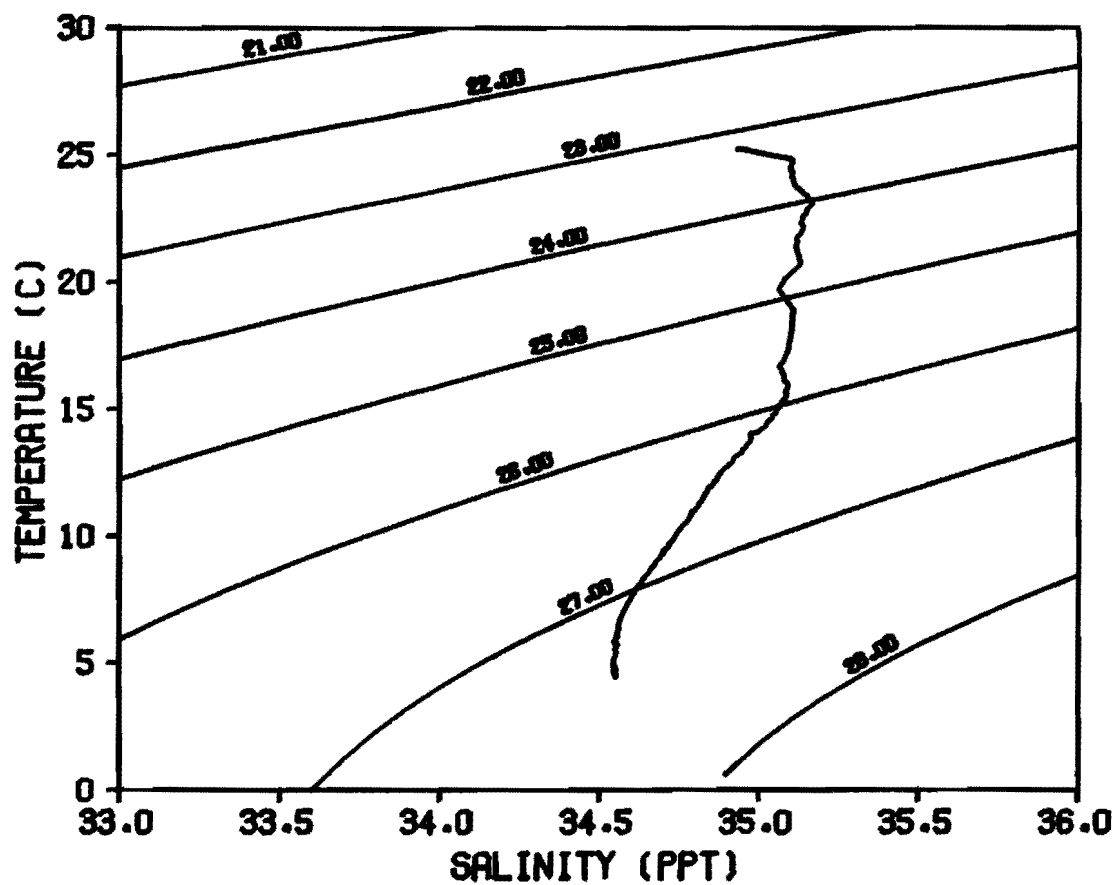


CAST EP2-79-DI-073 DATE 12 FEB 79 TIME 1106 GMT
 LAT 2 00.05 LONG 110 00.0W WEATHER 2 SEA STATE 3
 BAROMETER 10 WIND DIR 090 T SPD 10 KT VISIBILITY 7
 CLOUD 4 AMOUNT 7 DRY 25.2 WET 24.4 DEPTH 3625 M

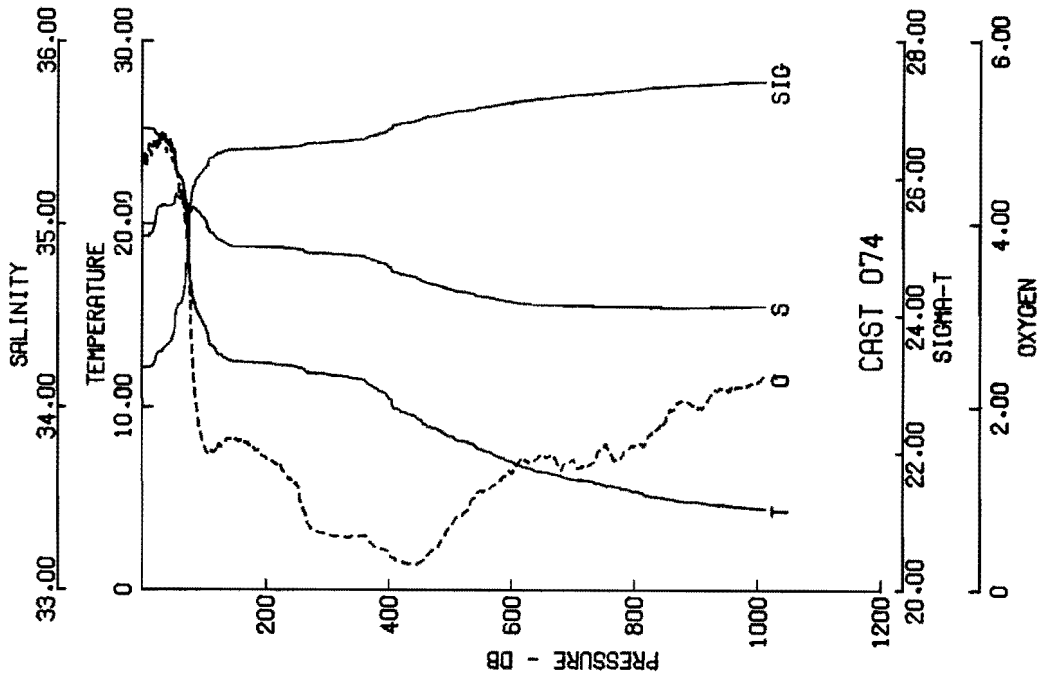


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	25.392	35.085	4.30	23.304	.000
10	25.397	35.085	4.09	23.304	.046
20	25.394	35.086	4.95	23.307	.092
30	25.286	35.080	4.97	23.337	.138
40	24.803	35.118	5.09	23.480	.268
50	23.961	35.215	4.85	23.700	.308
60	22.756	35.057	4.18	24.507	.331
70	16.048	35.027	2.47	25.797	.382
80	15.028	34.979	1.94	26.004	.420
90	13.317	34.947	1.50	26.305	.438
100	11.843	34.914	1.41	26.376	.455
110	12.652	34.887	1.61	26.400	.480
120	12.463	34.880	1.62	26.424	.505
130	12.378	34.875	1.68	26.430	.521
140	12.351	34.870	1.64	26.438	.538
150	12.082	34.855	1.62	26.438	.554
160	11.746	34.836	1.63	26.528	.617
170	11.290	34.812	.54	26.594	.715
180	10.117	34.745	.43	26.752	.869
190	8.520	34.653	.56	26.871	.935
200	8.309	34.640	.65	26.942	.998

CAST EP2-79-DI-074 DATE 12 FEB 79 TIME 1456 GMT
LAT 1 44.4S LONG 109 58.1W

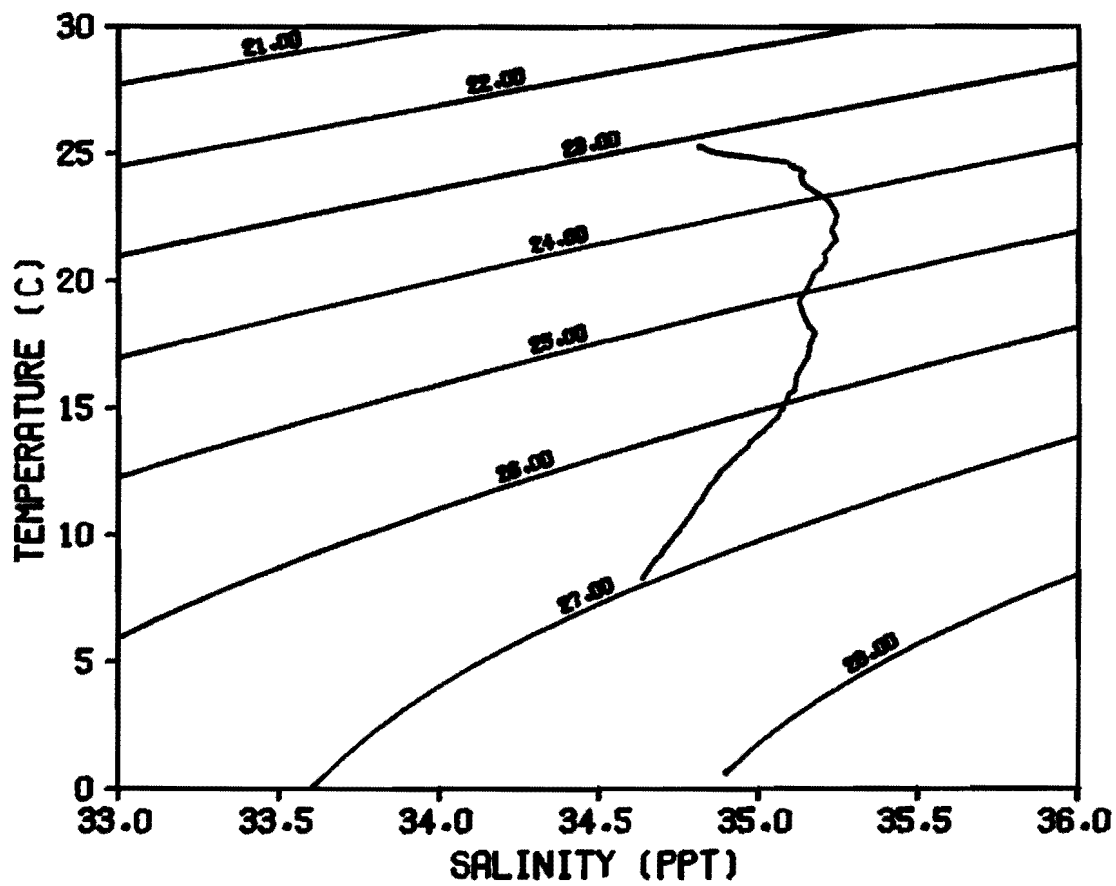


CAST EP2-79-DI-074 DATE 12 FEB 79 TIME 1556 GMT
 LAT 144.45 LONG 58.1W WEATHER 6 SEA STATE 5
 BAROMETER 12 WIND DIR 095 T SWS 13 KT VISIBILITY M
 CLOUD 7 AMOUNT 8 DRY 25.2 WET 24.5 DEPTH M

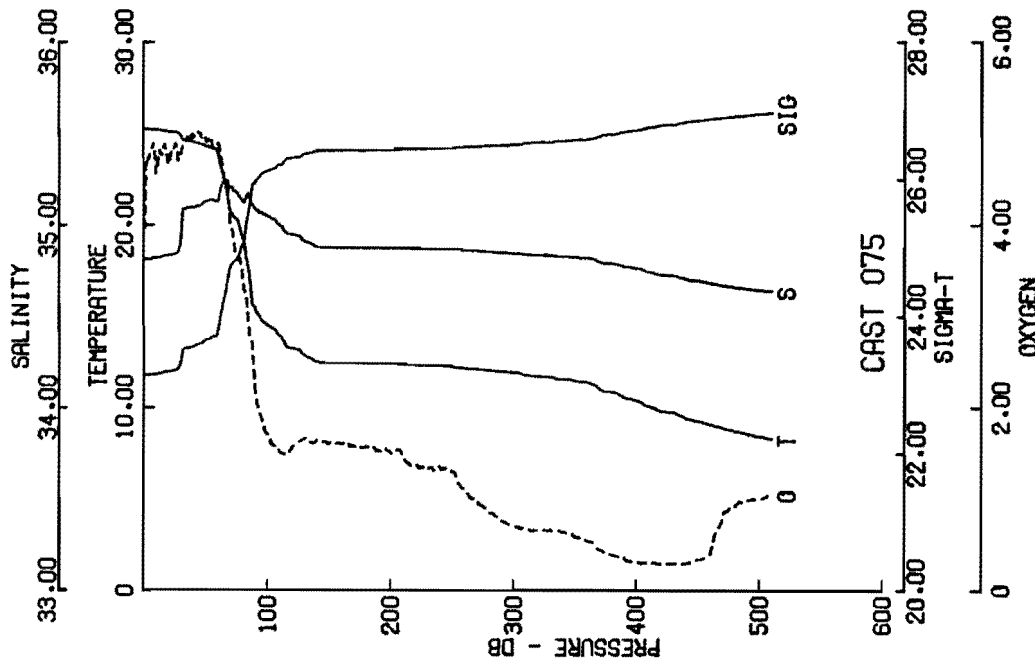


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	23.4	34.933	4.77	23.238	.000
10	22.2	34.924	4.81	23.232	.046
20	21.1	34.989	4.90	23.218	.093
30	20.0	35.097	4.98	23.173	.181
40	18.8	35.101	4.78	23.150	.224
50	17.6	35.147	4.67	23.129	.264
60	16.4	35.118	4.40	23.119	.301
70	15.2	35.076	4.02	23.113	.329
80	14.0	35.068	3.70	23.102	.351
100	13.4	35.030	1.60	23.092	.371
120	12.9	34.954	1.49	23.123	.389
140	12.5	34.905	1.56	23.138	.407
160	12.2	34.847	1.65	23.143	.424
180	12.0	34.877	1.65	23.149	.440
200	11.8	34.877	1.63	23.151	.457
250	11.5	34.875	1.62	23.156	.474
300	11.3	34.863	1.57	23.162	.490
350	11.2	34.839	1.50	23.167	.507
400	11.1	34.839	1.44	23.172	.523
450	11.0	34.827	1.15	23.177	.540
500	10.9	34.768	1.15	23.182	.557
550	10.8	34.700	1.15	23.187	.574
600	10.7	34.608	1.15	23.192	.590
650	10.6	34.580	1.15	23.197	.607
700	10.5	34.556	1.15	23.202	.624
750	10.4	34.549	1.15	23.207	.640
800	10.3	34.552	1.15	23.212	.657
850	10.2	34.546	1.15	23.217	.674
900	10.1	34.548	1.15	23.222	.690
950	10.0	34.551	1.15	23.227	.707
1000	9.9	34.552	1.15	23.232	.724
1011	9.8	34.552	1.15	23.237	.740

CAST EP2-79-DI-075 DATE 12 FEB 79 TIME 1707 GMT
LAT 1 28.4S LONG 110 03.8W

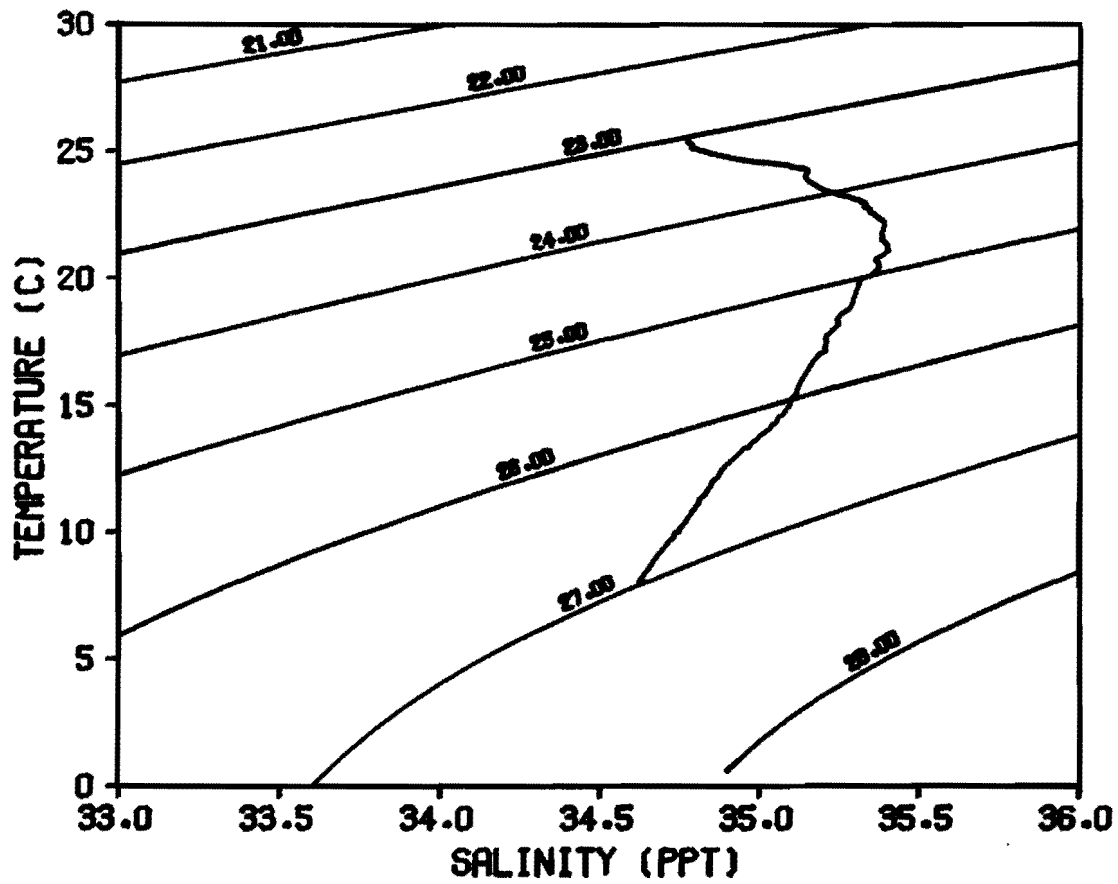


CAST EP2-79-DI-075 DATE 12 FEB 79 TIME 1707 GMT
 LAT 1 28.45 LONG 110 03.8W WEATHER 1 SEA STATE 4
 BAROMETER 13 WIND DIR 095 T SPD 10 KT VISIB 7
 CLOUD 6 AMOUNT 5 DRY 26.1 WET 24.3 DEPTH 3782 M

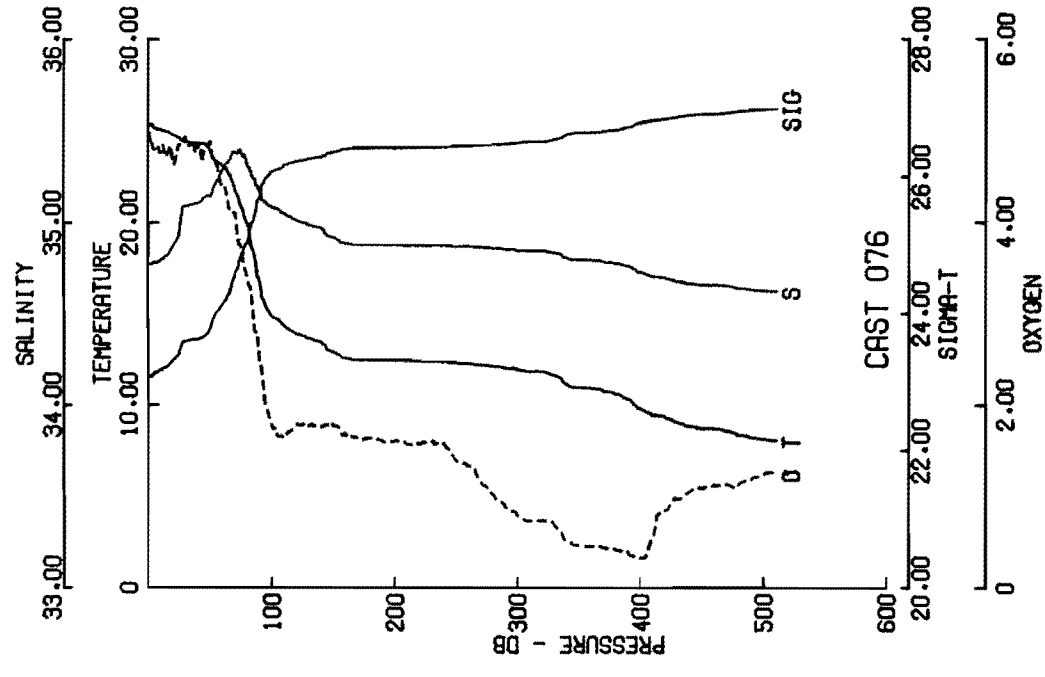


PRES (DB)	TEMP (C)	SAL (PPT)	DX (ML/L)	SIG-T	DELTA-M
0	25.272	34.812	4.297	23.137	.000
10	25.265	34.823	3.577	23.137	.047
20	25.253	34.833	4.057	23.151	.095
30	24.945	34.899	4.777	23.302	.185
40	24.334	35.099	4.999	23.564	.271
50	23.929	35.135	4.899	23.783	.308
60	23.756	35.212	4.801	24.055	.339
70	23.535	35.093	3.400	25.944	.364
80	13.237	35.053	2.771	26.127	.402
100	13.271	34.951	1.555	26.319	.438
120	13.272	34.885	1.664	26.413	.454
140	12.837	34.878	1.600	26.425	.487
150	12.442	34.876	1.587	26.427	.504
170	12.443	34.876	1.553	26.430	.537
180	12.416	34.875	1.510	26.459	.554
200	12.403	34.868	1.370	26.506	.619
250	11.903	34.825	.600	26.572	.717
300	11.397	34.765	.34	26.719	.871
400	8.208	34.644	1.006	26.952	.939
500	8.292	34.638	1.006	26.965	1.001

CAST EP2-79-DI-076 DATE 12 FEB 79 TIME 2007 GMT
LAT 1 15.0S LONG 110 00.0W

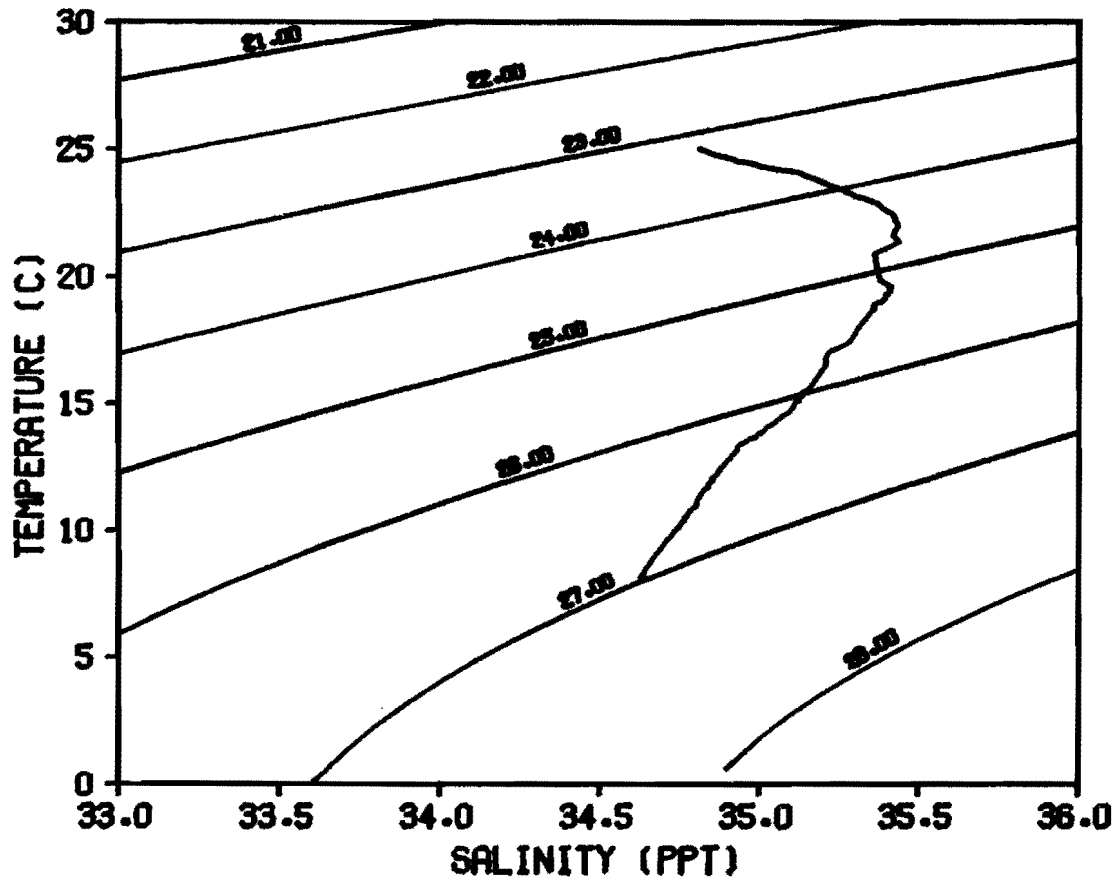


CAST EP2-79-01-076 DATE 12 FEB 73 TIME 2007 GMT
 LAT 1 15.0S LONG 110 00.0W WEATHER 4 SEA STATE 3
 BAROMETER 11 WIND DIR 105 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 5 DRY 28.0 WET 25.0 DEPTH 3912 M



PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	25.440	34.771	4.93	23.053	.000
10	25.361	34.774	4.98	23.077	.048
20	25.090	34.796	4.76	23.117	.094
30	24.823	34.873	4.67	23.317	.139
40	24.435	35.093	4.94	23.609	.182
50	24.371	35.143	4.79	23.771	.224
60	23.128	35.143	4.40	24.134	.264
70	23.178	35.382	4.11	24.587	.300
80	19.929	35.312	3.34	25.035	.332
90	16.804	35.171	2.51	25.708	.358
100	14.872	35.081	1.80	26.469	.379
110	14.351	35.051	1.64	26.231	.417
120	13.664	35.013	1.78	26.266	.435
130	13.675	34.970	1.76	26.290	.453
140	12.915	34.920	1.78	26.305	.470
150	12.569	34.880	1.69	26.408	.487
160	12.469	34.880	1.63	26.423	.503
170	12.458	34.879	1.64	26.424	.520
180	12.452	34.879	1.61	26.426	.537
190	12.451	34.880	1.60	26.426	.553
200	12.309	34.872	1.60	26.428	.530
250	11.959	34.848	1.79	26.497	.630
300	10.947	34.797	.47	26.645	.796
350	9.708	34.731	.33	26.795	.869
400	8.708	34.659	1.09	26.917	.933
450	8.117	34.626	1.25	26.984	.993
500	8.035	34.623	1.25	26.993	.993

CAST EP2-79-01-077 DATE 12 FEB 79 TIME 1503 GMT
LAT 1 00.0S LONG 110 00.0W

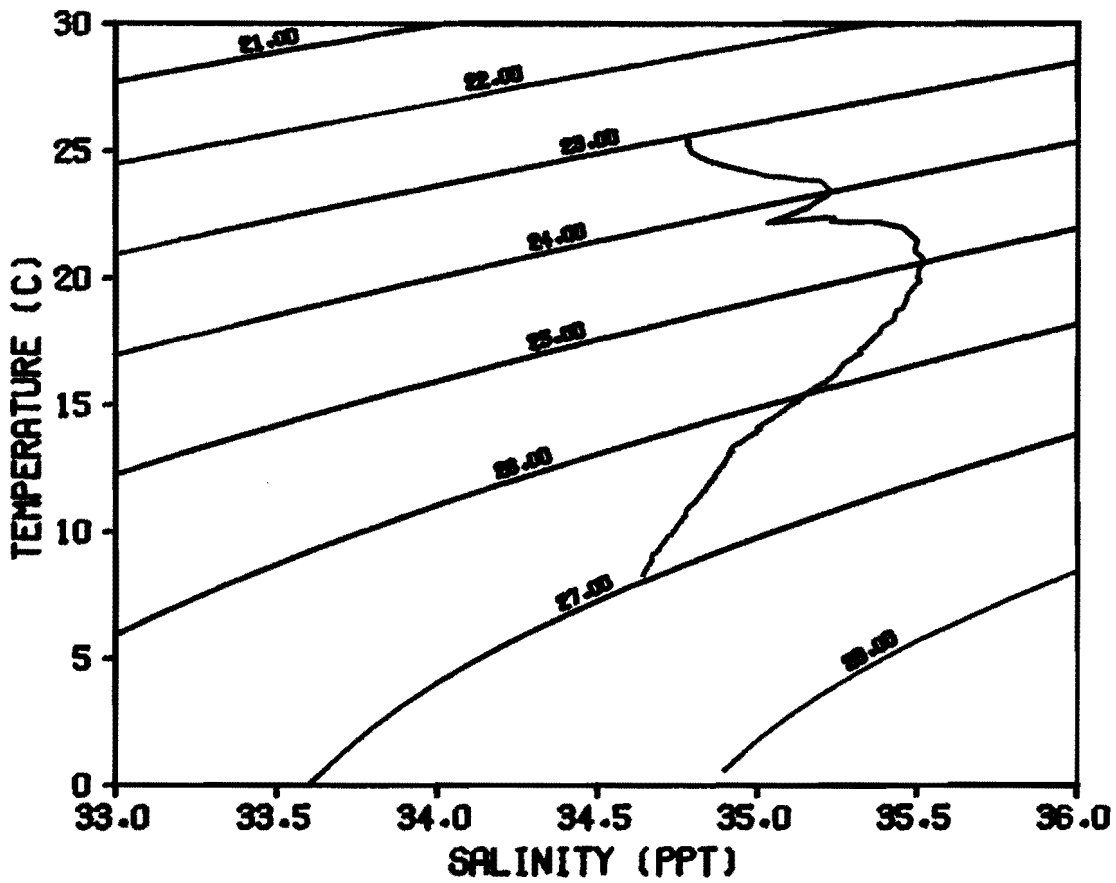


CAST EP2-79-DI-077 DATE 12 FEB 79 TIME 1503 GMT
 LAT 1 00.05 LONG 110 00.04 WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND 105 T SPD 12 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 27.2 WET 24.3 DEPTH M

TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
25.012	34.813	4.60	23.215	.000
25.012	34.812	4.60	23.217	.047
24.696	34.888	4.60	23.368	.137
24.080	35.037	4.49	23.614	.180
23.607	35.121	4.39	23.727	.221
22.622	35.271	4.32	23.875	.260
19.452	35.400	4.24	24.230	.292
18.692	35.366	3.73	25.341	.343
15.104	35.125	2.18	26.057	.382
14.722	35.099	1.75	26.124	.402
14.081	35.027	1.97	26.280	.438
13.472	34.934	2.22	26.317	.455
13.304	34.915	2.08	26.352	.473
12.737	34.897	2.09	26.413	.490
12.545	34.881	1.70	26.423	.507
12.473	34.881	1.62	26.427	.523
12.098	34.873	1.34	26.451	.540
12.038	34.855	1.01	26.477	.704
11.9	34.776	.56	26.642	.654
8.350	34.656	.94	26.842	.654
8.278	34.637	.76	26.919	.976
8.174	34.629	.95	26.976	.976

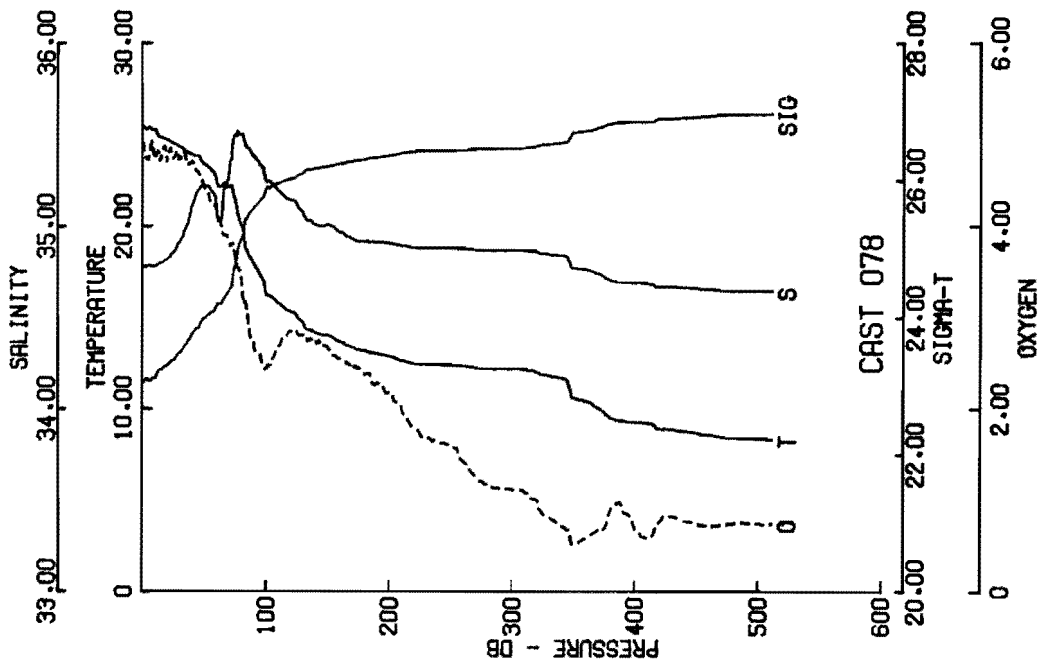


CAST EP2-79-DI-078 DATE 13 FEB 79 TIME 0018 GMT
LAT 0 40.0S LONG 110 00.0W

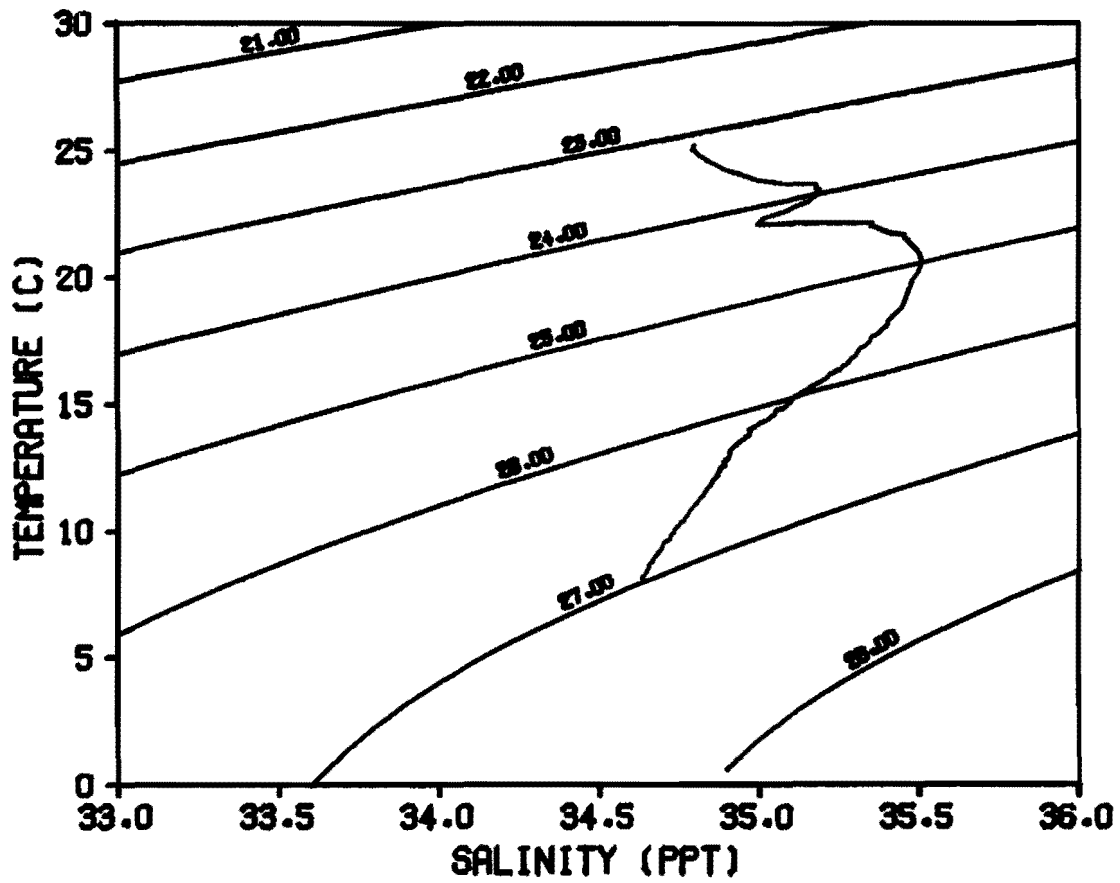


CAST # P2-79-01-076 DATE 13 FEB 79 TIME 0018 GMT
 LAT 0 40.05 LONG 110 00.50 W SPED 10 KT SEA STATE 3
 BAROMETER 10 WIND DIR 105 T WET 24.7 VISIBILITY 7
 CLOUD A AMOUNT 3 DRY 27.6 WET 24.7 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	DX (ML/L)	SIG-T	DELTA-M
0	25.392	34.777	4.82	23.072	.000
1	25.459	34.778	4.91	23.072	.048
10	25.277	34.783	4.73	23.112	.095
20	24.738	34.814	4.72	23.303	.140
30	24.364	34.914	4.71	23.486	.183
40	23.933	35.106	4.43	23.766	.222
50	23.431	35.224	4.17	24.187	.269
60	22.908	35.483	3.83	24.797	.321
70	22.208	35.500	3.43	25.144	.380
80	20.939	35.383	2.73	25.596	.401
100	16.255	35.245	2.44	25.893	.442
110	15.803	35.197	2.28	26.025	.461
120	15.341	35.145	2.08	26.176	.488
130	14.717	35.074	1.81	26.301	.516
140	14.170	35.010	1.59	26.435	.559
150	13.629	35.003	1.44	26.568	.603
160	13.095	34.967	1.25	26.702	.656
170	13.390	34.931	1.05	26.827	.716
180	13.209	34.914	0.88	26.951	.784
190	13.045	34.910	0.77	27.075	.856
200	12.897	34.878	0.71	27.200	.936
250	12.210	34.869	1.01	27.325	1.027
300	10.575	34.769	1.51	27.450	1.121
350	8.257	34.691	1.68	27.575	1.218
400	8.685	34.660	1.74	27.700	1.318
450	8.352	34.644	1.74	27.825	1.421
500	8.292	34.641	1.74	27.950	1.527
511				28.075	1.636

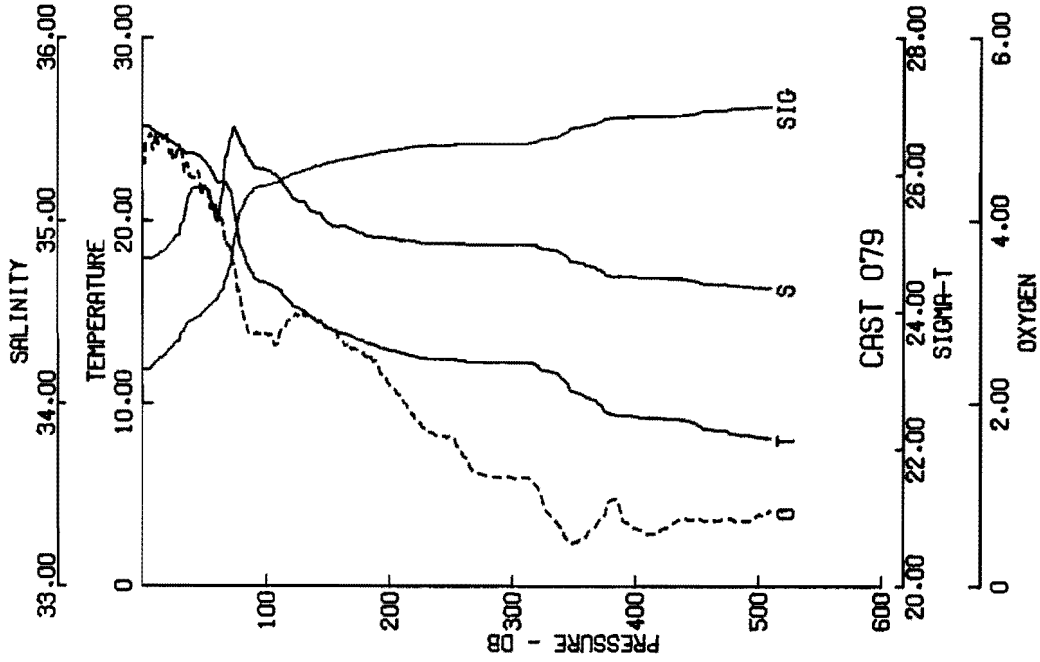


CAST EP2-79-DI-079 DATE 13 FEB 79 TIME 0300 GMT
LAT 0 30.0S LONG 110 00.0W

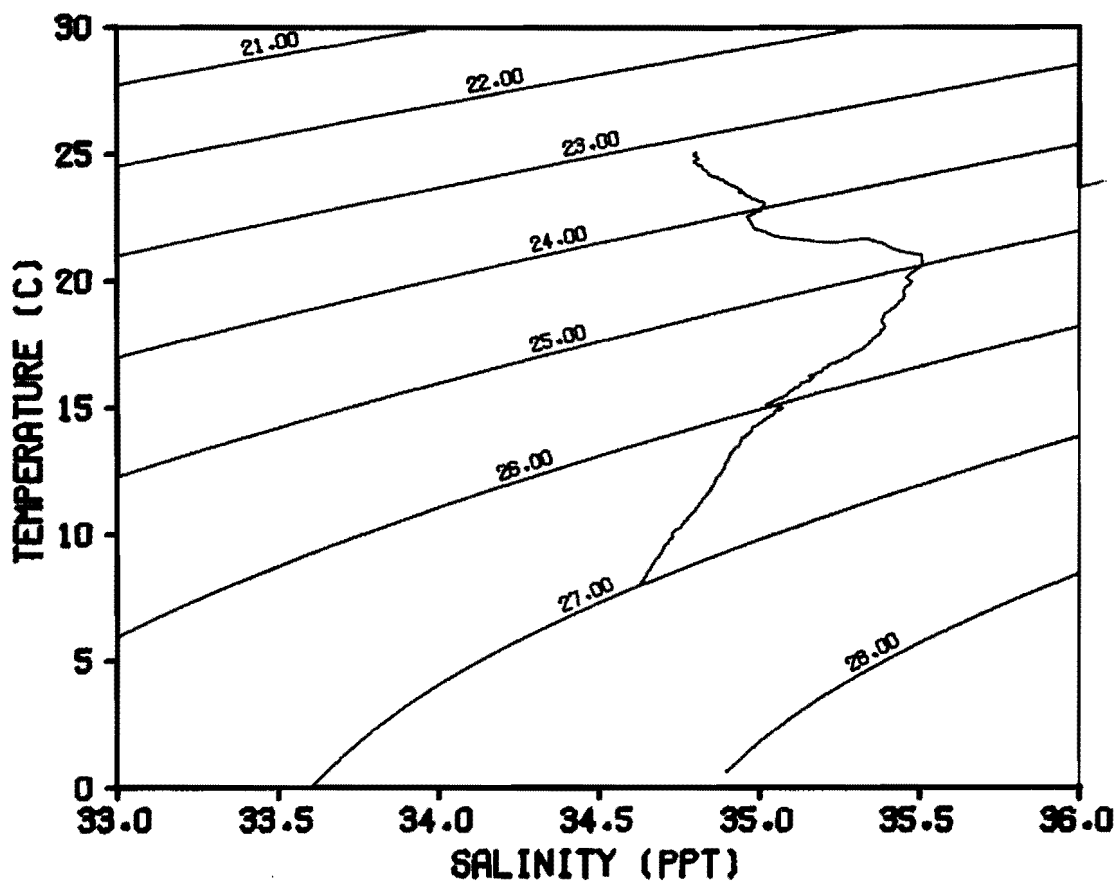


CAST EP2-79-DI-079 DATE 13 FEB 79 TIME 0300 GMT
 LAT 0 30.05 LONG 110 00.00 WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 157 T SPD 12 KT VISIBILITY 7
 CLOUD 3 AMOUNT 4 DRY 25.2 MET 24.1 DEPTH M

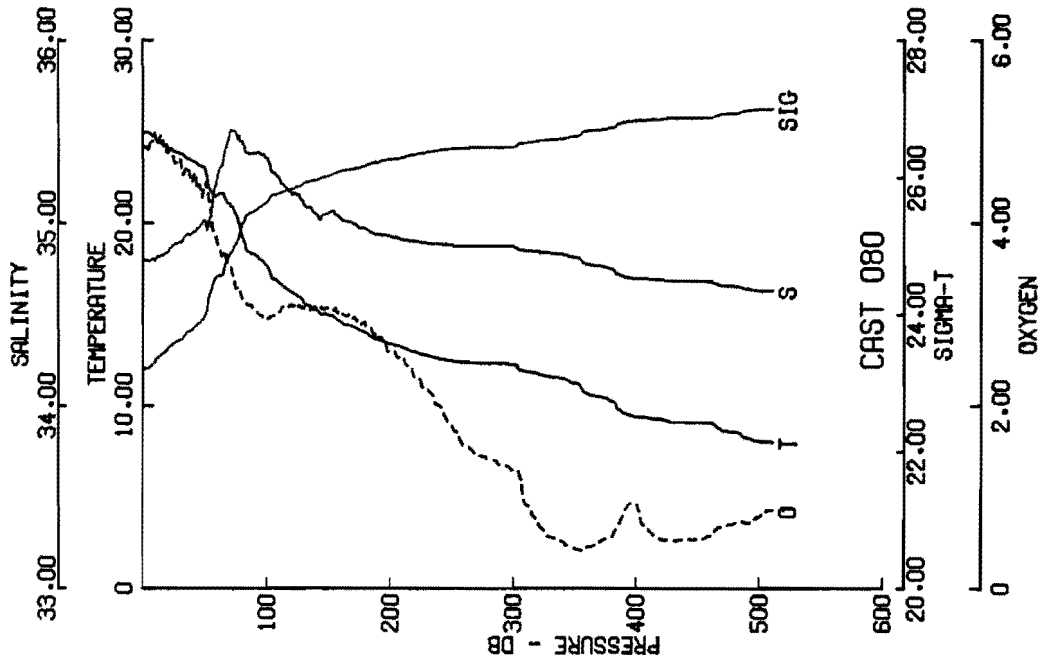
TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
25.210	34.797	4.52	23.142	.000
25.115	34.804	4.89	23.152	.047
24.903	34.851	4.89	23.395	.093
24.512	34.921	4.75	23.563	.174
23.709	35.171	4.37	23.875	.174
22.202	35.182	4.37	24.005	.257
21.710	35.005	4.17	24.181	.293
18.482	35.413	3.72	24.630	.322
16.604	35.301	3.75	25.790	.346
16.226	35.279	2.76	25.838	.368
15.469	35.235	2.70	25.803	.390
15.059	35.144	2.91	25.905	.411
14.225	35.103	2.99	26.055	.431
13.841	34.987	2.82	26.129	.451
13.640	34.966	2.70	26.173	.479
13.349	34.952	2.59	26.243	.507
13.119	34.922	2.43	26.270	.525
12.915	34.903	2.21	26.317	.543
12.455	34.877	1.61	26.352	.561
12.620	34.775	1.19	26.456	.728
9.202	34.693	.64	26.687	.875
8.131	34.666	.73	26.850	.939
8.072	34.633	.82	26.983	.999
	34.630		26.992	



CAST EP2-79-DI-080 DATE 13 FEB 79 TIME 0446 GMT
LAT 0 14.9S LONG 109 58.3W

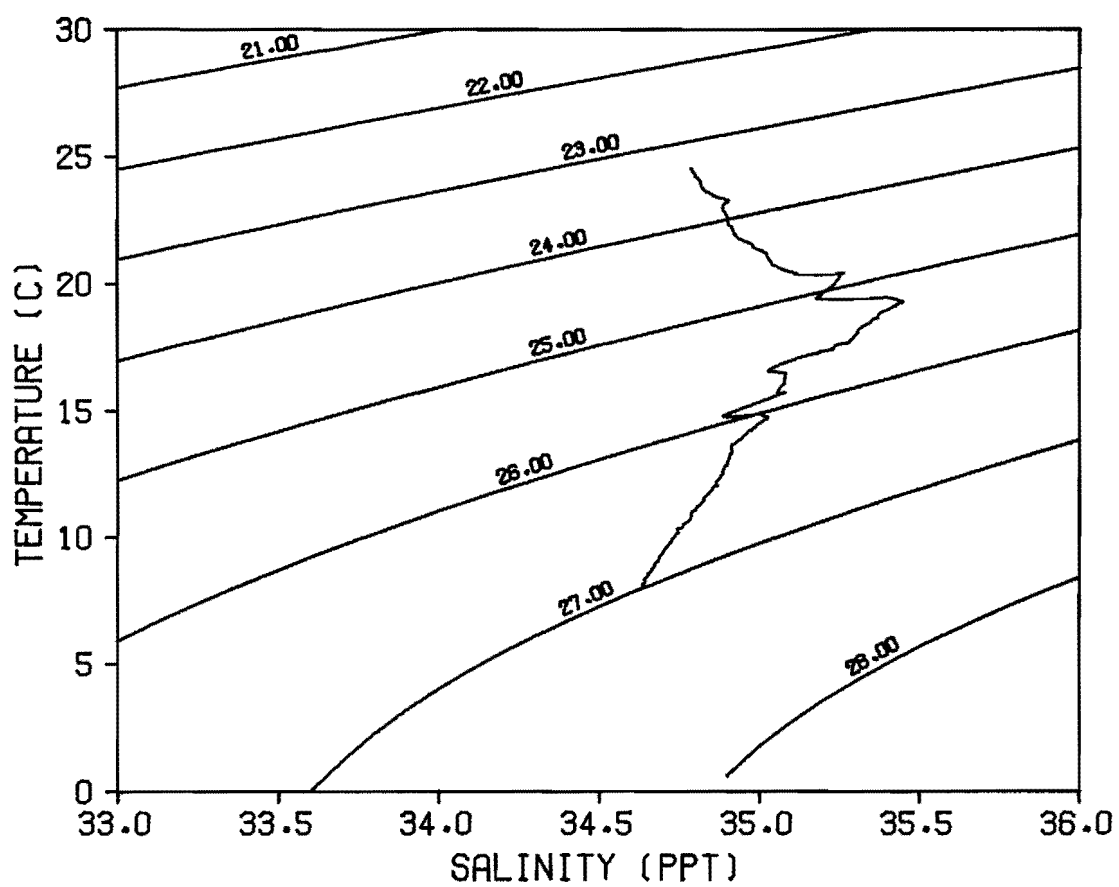


CAST EP2-79-01-080 DATE 13 FEB 79 TIME 0446 GMT
 LAT 0 14.95 LONG 109 58.3M WEATHER 1 SEA STATE 3
 BAKOMETER 13 WIND DIR 100 T SPD 11 KT VISIBILITY 7
 CLOUD 4 AMOUNT 4 DRY 25.0 WET 24.0 MET 24.0 DEPTH M

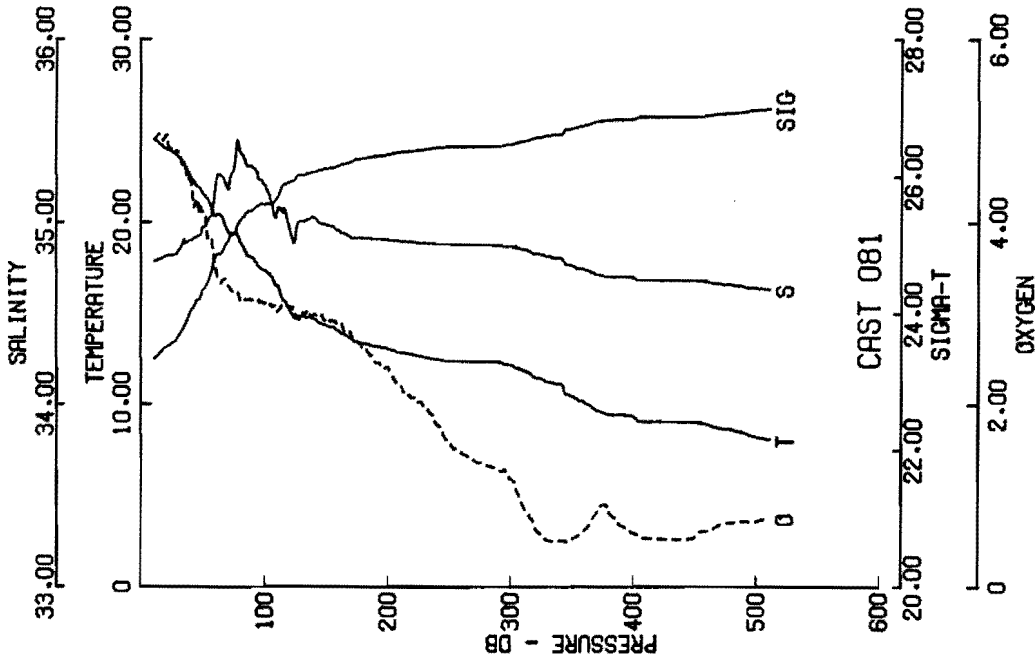


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	25.057	34.801	4.80	23.192	.000
10	24.988	34.800	4.84	23.212	.047
20	24.678	34.796	5.00	23.303	.091
30	24.169	34.842	4.74	23.490	.135
40	23.845	34.847	4.71	23.628	.177
50	23.018	35.018	4.45	23.780	.218
60	21.034	35.240	3.79	24.552	.287
70	19.322	35.482	3.56	25.307	.342
80	18.307	35.481	3.20	25.507	.390
90	17.745	35.360	3.09	25.629	.434
100	16.805	35.250	3.03	25.769	.476
110	16.281	35.172	3.17	25.911	.516
120	15.719	35.105	3.07	25.965	.554
130	15.280	35.051	3.07	26.027	.592
140	14.904	35.031	3.03	26.094	.629
150	14.572	35.002	2.97	26.173	.666
160	14.349	34.973	2.92	26.268	.702
170	14.077	34.943	2.78	26.372	.737
180	13.637	34.932	2.60	26.485	.772
190	13.437	34.885	2.41	26.606	.806
200	13.266	34.871	2.21	26.734	.841
250	12.266	34.816	1.54	26.874	.891
300	11.409	34.685	.93	26.995	.956
350	9.405	34.632	.78	27.000	1.017
400	8.107				
450	8.024				
500					

CAST EP2-79-DI-081 DATE 13 FEB 79 TIME 0635 GMT
LAT 0 01.2S LONG 109 59.5W

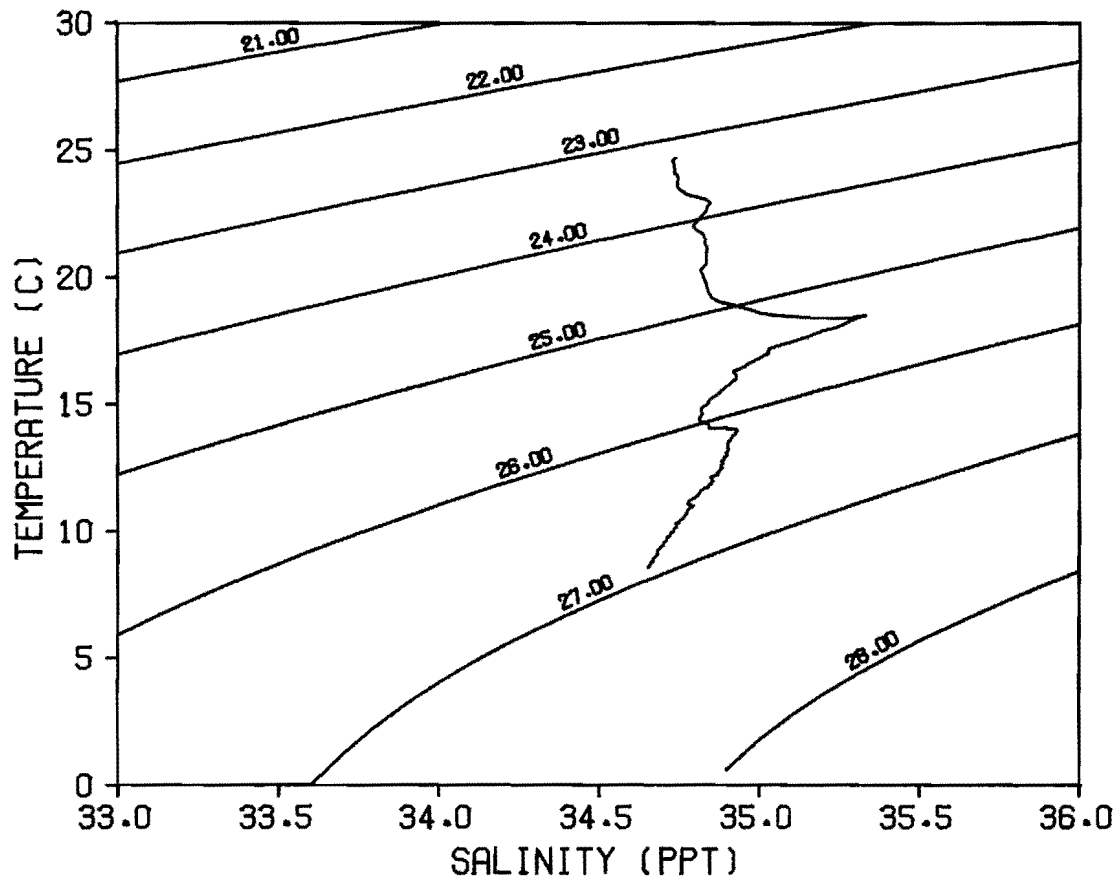


CAST EP2-79-DI-081 DATE 13 FEB 79 TIME 0635 GMT
 LAT 0 01.25 LONG 109 59.5W WEATHER 2 SEA STATE 3
 BAROMETER 13 WIND DIR 095 T SPD 09 KT VISIB 10 ILLI 7
 CLOUD 6 AMOUNT 8 DRY 25.0 WET 24.2 DEPTH 3762 M



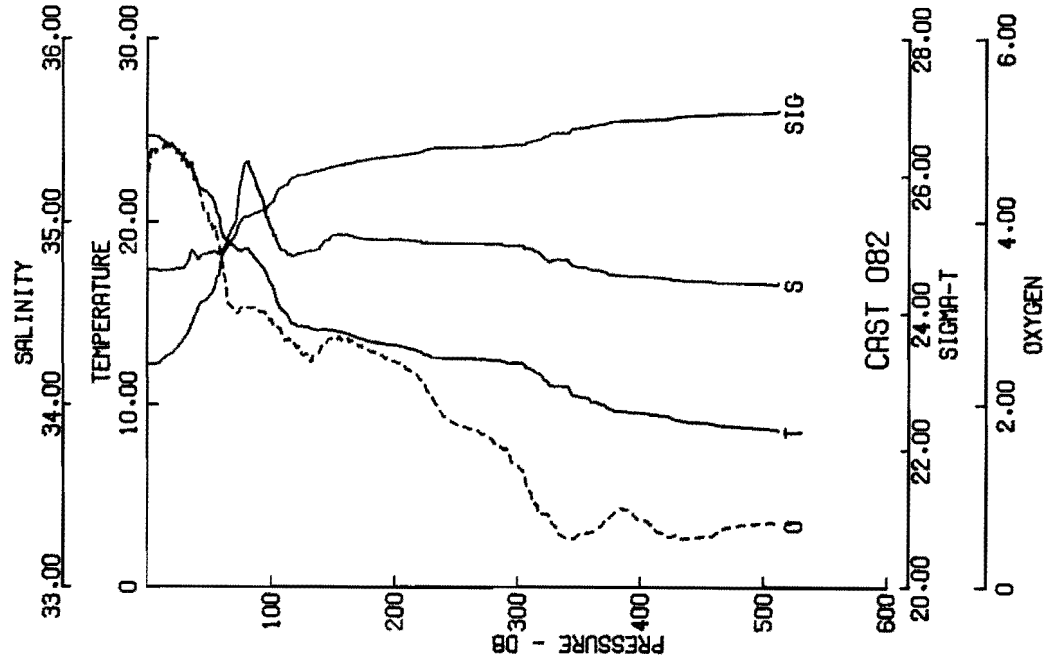
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
11	24.544	34.787	4.91	23.336	.090
20	24.077	34.812	4.978	23.495	.134
30	23.635	34.833	4.77	23.641	.175
50	22.538	34.902	4.47	24.009	.215
60	21.584	34.975	4.123	24.332	.276
70	19.567	35.191	3.32	25.048	.306
80	18.937	35.305	3.15	25.358	.337
90	17.363	35.204	3.01	25.602	.351
100	15.231	35.081	3.08	25.918	.403
120	14.854	35.027	2.96	26.027	.424
130	14.721	34.989	2.93	26.070	.443
150	14.372	34.958	2.89	26.117	.463
160	14.065	34.918	2.80	26.158	.482
170	13.652	34.913	2.80	26.212	.502
180	13.199	34.907	2.47	26.270	.520
200	13.091	34.907	2.41	26.320	.538
250	12.413	34.881	1.60	26.435	.641
300	12.181	34.868	1.19	26.470	.724
350	11.371	34.767	.59	26.470	.801
400	9.031	34.681	.55	26.583	.868
500	8.229	34.634	.76	26.977	.932
511	8.092			26.993	.993

CAST EP2-79-DI-082 DATE 13 FEB 79 TIME 0942 GMT
LAT 00 15.0N LONG 110 00.0W

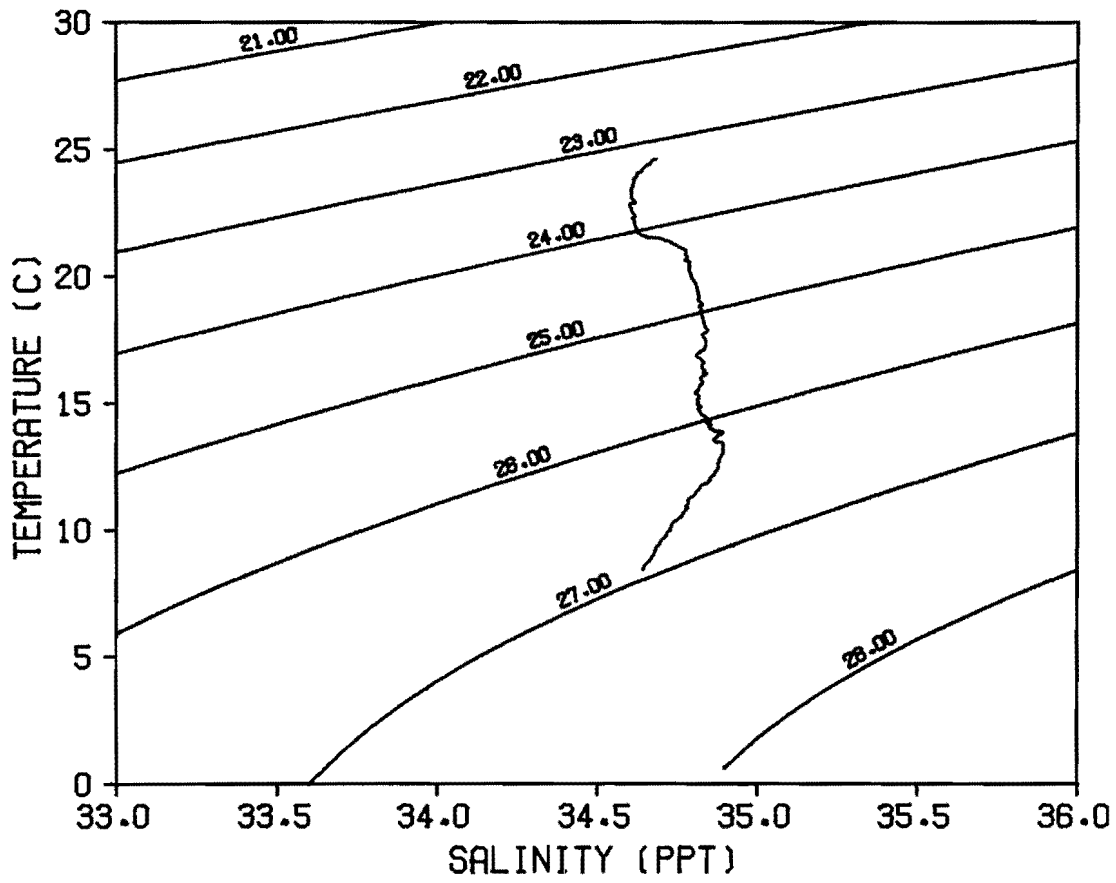


CAST EP2-79-DI-082 DATE 13 FEB 79 TIME 0942 GMT
 LAT 04 15 N LONG 110 00 W WEATHER 2 SEA STATE 3
 BAROMETER 12 WIND DIR 120 T SPD 06 KT VISIBILITY 7
 CLOUD 6 AMOUNT 8 DRY 24.6 WET 24.0 DEPTH 3685 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	24.709	34.740	4.60	23.253	.000
1	24.608	34.730	4.55	23.253	.046
10	24.198	34.737	4.65	23.253	.092
20	23.662	34.754	4.75	23.253	.137
30	22.222	34.807	4.65	23.253	.177
40	21.414	34.833	3.99	23.253	.215
50	19.414	34.842	3.59	23.253	.250
70	18.669	34.989	3.05	23.253	.280
80	17.776	35.326	3.02	23.253	.307
90	17.569	35.170	3.02	23.253	.333
100	15.098	34.844	2.71	23.253	.359
110	14.341	34.819	2.63	23.253	.381
120	14.077	34.839	2.68	23.253	.402
130	14.054	34.864	2.59	23.253	.422
140	13.892	34.923	2.70	23.253	.442
150	13.835	34.912	2.70	23.253	.461
160	13.424	34.904	2.57	23.253	.481
170	13.327	34.901	2.54	23.253	.500
180	12.505	34.905	2.47	23.253	.518
190	12.252	34.883	2.33	23.253	.536
200	10.424	34.871	1.38	23.253	.554
250	8.547	34.756	1.33	23.253	.624
300	8.997	34.705	1.58	23.253	.670
400	8.683	34.678	1.74	23.253	.702
500	8.560	34.662	1.55	23.253	.874
512		34.665	1.69	23.253	.996

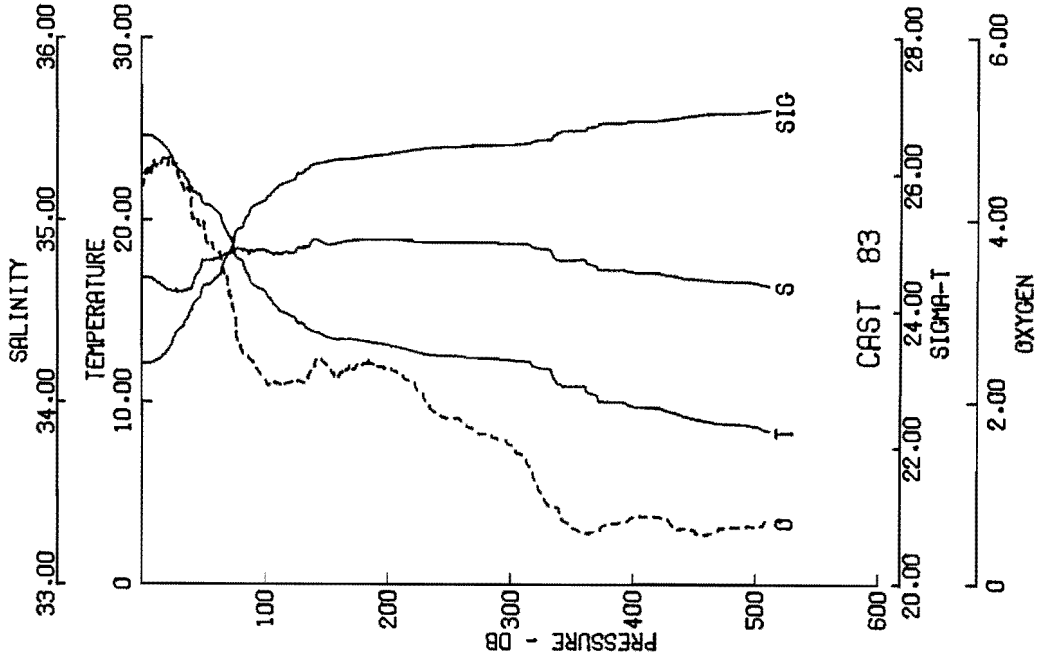


CAST EP2-79-DI-083 DATE 13 FEB 79 TIME 1136 GMT
LAT 00 31.3N LONG 109 58.3W

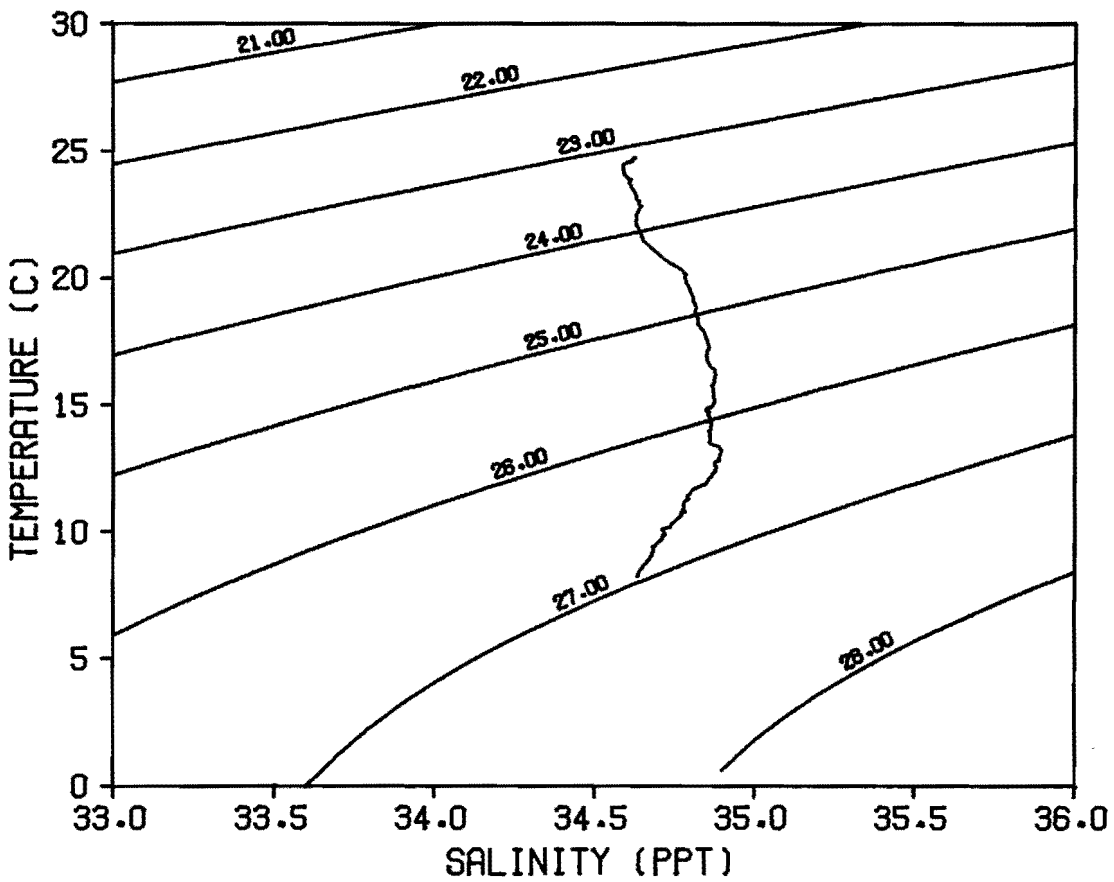


CAST 0051-79-01-083 DATE 13 FEB 79 TIME 1136 GMT
 LAT 00.51.3N LONG 109 58.3W WEATHER 2 VISIB 3
 BAROMETER 11 WIND DIR 070.1 SPD 05 KT VISIB 3
 CLOUD 7 AMOUNT 3 WET DRY 24.9 1 WET 23.5 DEPTH 7 M

PRES (DB)	TEMP (C)	SAL (PPT)	CHL (ML/L)	SIG-T	DELTA-D (DYN-M)
0	24.633	34.684	4.37	23.232	.000
10	24.546	34.672	4.66	23.249	.047
20	23.978	34.625	4.62	23.383	.092
30	23.758	34.605	4.48	23.722	.177
40	23.809	34.621	4.15	24.001	.250
50	21.900	34.779	3.99	24.377	.313
60	20.534	34.820	3.63	24.453	.283
70	19.187	34.841	3.26	24.853	.319
80	17.478	34.830	2.84	25.214	.364
90	16.094	34.832	2.29	25.918	.409
100	15.238	34.821	1.28	26.016	.430
110	14.783	34.818	2.28	26.147	.450
120	14.330	34.846	2.38	26.186	.487
130	13.879	34.893	2.38	26.228	.506
140	13.464	34.876	2.20	26.254	.524
150	13.061	34.886	2.40	26.278	.560
160	13.464	34.892	2.42	26.295	.647
170	13.350	34.895	2.37	26.403	.731
180	13.250	34.893	2.37	26.443	.810
190	13.163	34.879	1.53	26.446	.881
200	12.338	34.873	1.53	26.446	.948
250	11.081	34.878	1.53	26.446	1.010
300	9.808	34.782	1.53	26.446	
350	9.128	34.718	1.53	26.446	
400	8.432	34.658	1.53	26.446	
450	8.170	34.658	1.53	26.446	
500	8.432	34.640	1.53	26.446	
511					

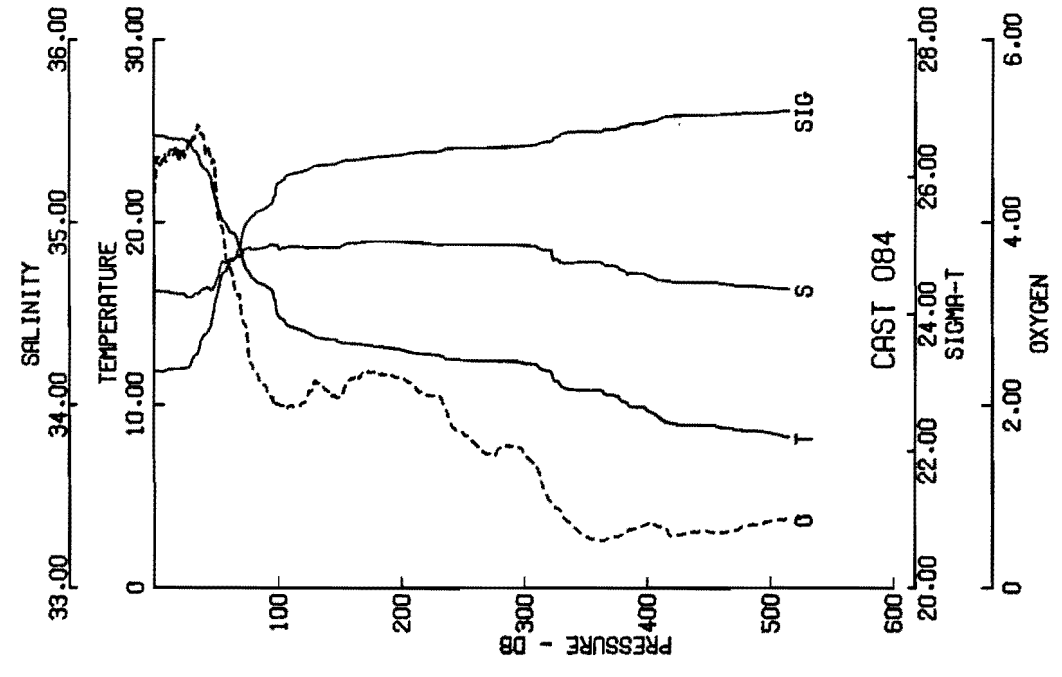


CAST EP2-79-DI-084 DATE 13 FEB 79 TIME 1303 GMT
LAT 00 41.ON LONG 109 57.0W

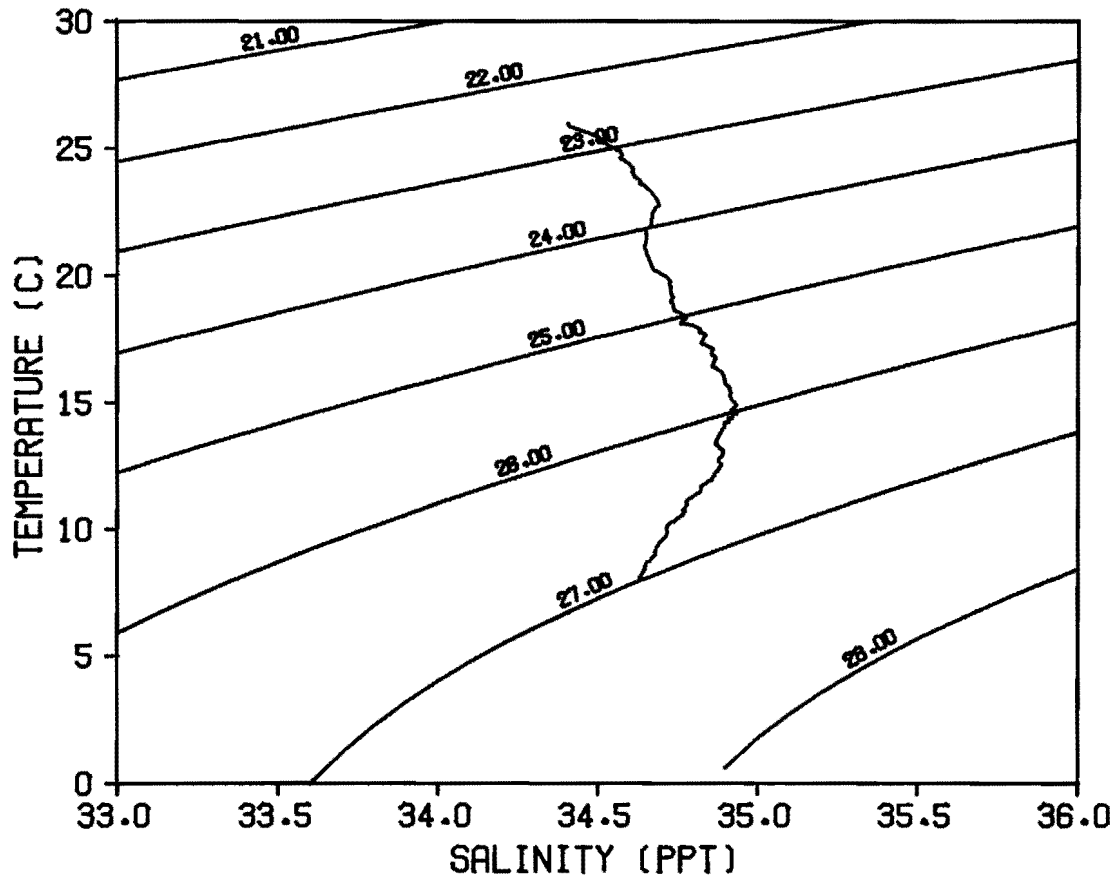


CAST EP2-79-DI-084 DATE 13 FEB 79 TIME 1303 GMT
 LAT 00 41.0N LONG 109 57.0W WEATHER 2 SEA STATE 3
 BAROMETER 11 WIND DIR 050 T SPD 04 KT VISIBILITY 6
 CLOUD 8 AMOUNT 6 DRY 24.0 WET 23.4 DEPTH M

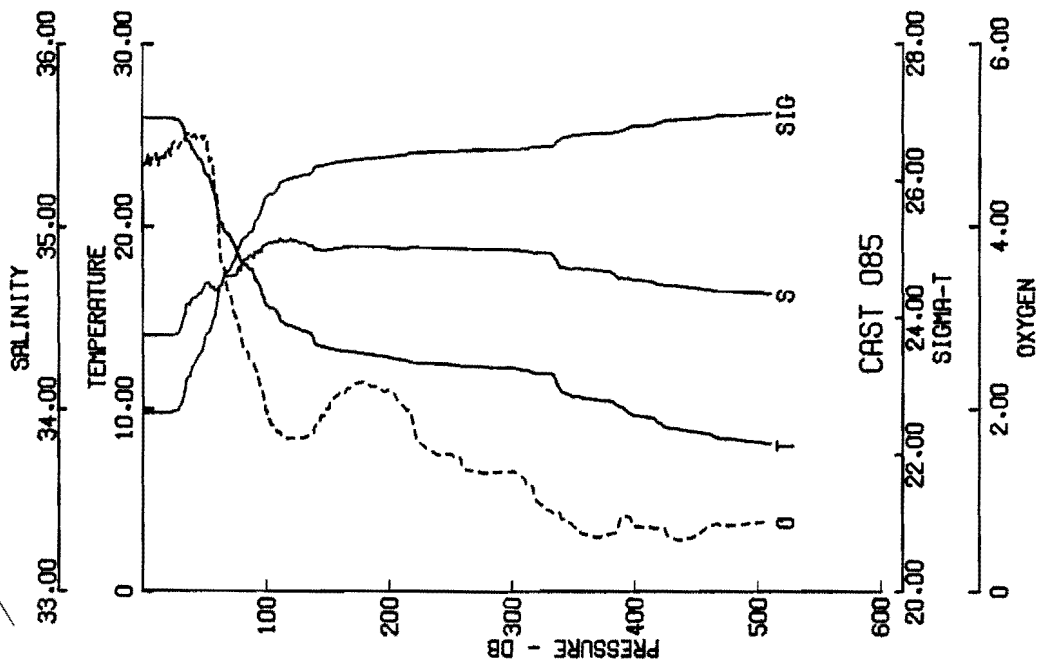
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	24.729	34.627	4.47	23.160	.000
1	24.729	34.626	4.33	23.174	.047
10	24.667	34.620	4.66	23.174	.141
30	24.322	34.590	4.86	23.254	.186
50	23.008	34.641	4.96	23.678	.226
70	21.687	34.794	3.50	24.704	.291
80	18.497	34.823	3.05	25.921	.319
90	16.966	34.851	2.41	25.427	.345
100	16.565	34.869	2.00	25.943	.369
110	14.325	34.867	1.98	26.033	.389
120	14.115	34.864	1.02	26.076	.409
130	13.753	34.864	1.26	26.151	.429
140	13.632	34.863	2.08	26.175	.448
150	13.479	34.863	2.08	26.207	.467
160	13.382	34.866	2.29	26.243	.485
170	13.322	34.892	2.33	26.268	.501
180	13.216	34.897	2.34	26.300	.519
190	13.150	34.894	2.32	26.331	.537
200	13.095	34.880	1.70	26.370	.543
250	12.306	34.872	1.47	26.449	.627
300	10.800	34.783	.59	26.561	.876
350	8.739	34.712	.61	26.790	.940
400	8.885	34.644	.73	26.898	.940
450	8.482	34.644	.76	26.970	.940
500	8.255	34.636	.76	26.969	1.001
515					



CAST EP2-79-DI-085 DATE 13 FEB 79 TIME 1613 GMT
LAT 00 59.7N LONG 109 59.6W

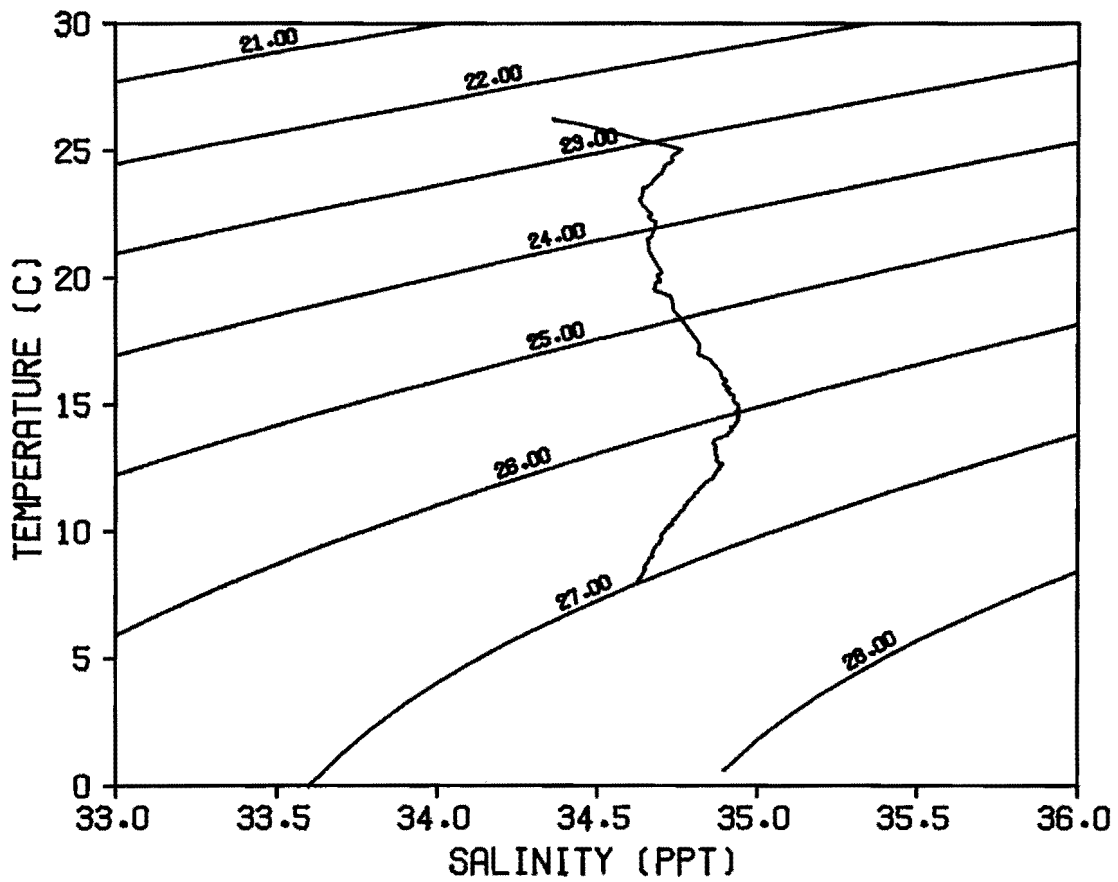


CAST EP2-79-DI-085 DATE 13 FEB 79 TIME 1613 GMT
 LAT 00 59.7N LONG 109 59.6W WEA THER 2 SEA STATE 3
 BAROMETER 13 WIND DIR 140 T SPD 07 KT VISIBILITY 7
 CLOUD 8 AMOUNT 8 DRY 25.5 WET 23.9 DEPTH 3681 M



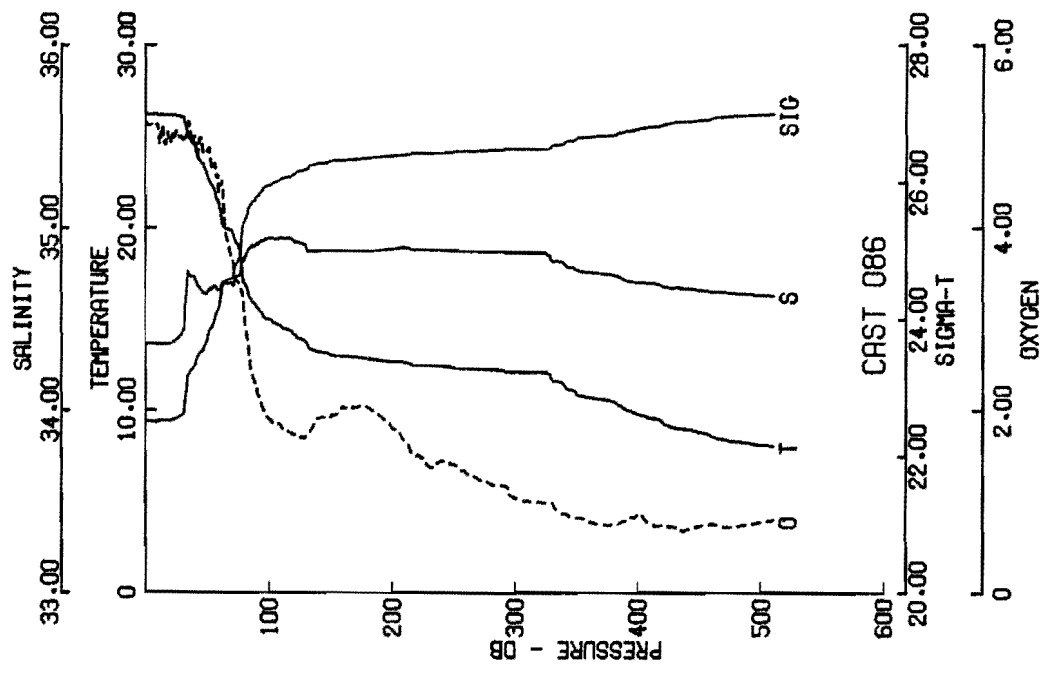
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	25.983	34.607	4.70	22.610	.000
10	25.982	34.607	4.77	22.614	.052
20	25.971	34.607	4.83	22.614	.105
30	25.972	34.634	4.87	22.696	.157
40	25.269	34.682	4.98	23.280	.206
50	23.104	34.682	4.99	23.703	.251
60	21.537	34.679	4.31	24.293	.325
70	19.346	34.824	3.25	24.620	.356
80	17.346	34.824	2.74	25.120	.384
90	15.713	34.901	2.49	25.314	.409
100	15.151	34.917	1.75	25.792	.452
110	14.575	34.931	1.68	26.079	.472
120	14.265	34.870	1.88	26.196	.491
130	13.567	34.873	1.81	26.190	.510
140	13.353	34.872	2.00	26.274	.528
150	13.217	34.881	2.18	26.298	.546
160	13.141	34.892	2.28	26.318	.564
170	13.039	34.892	2.28	26.336	.581
180	12.949	34.884	2.29	26.351	.599
190	12.846	34.881	1.50	26.426	.683
200	12.557	34.872	1.32	26.454	.767
250	12.281	34.871	1.72	26.600	.918
300	10.719	34.710	.75	26.918	.982
350	8.659	34.661	.75	26.978	1.042
400	8.208	34.631	.75	26.978	1.042
450	8.105	34.631	.75	26.978	1.042
500	8.105	34.631	.75	26.978	1.042
510	8.105	34.631	.75	26.978	1.042

CAST EP2-79-DI-086 DATE 13 FEB 79 TIME 1811 GMT
LAT 01 14.1N LONG 110 00.9W

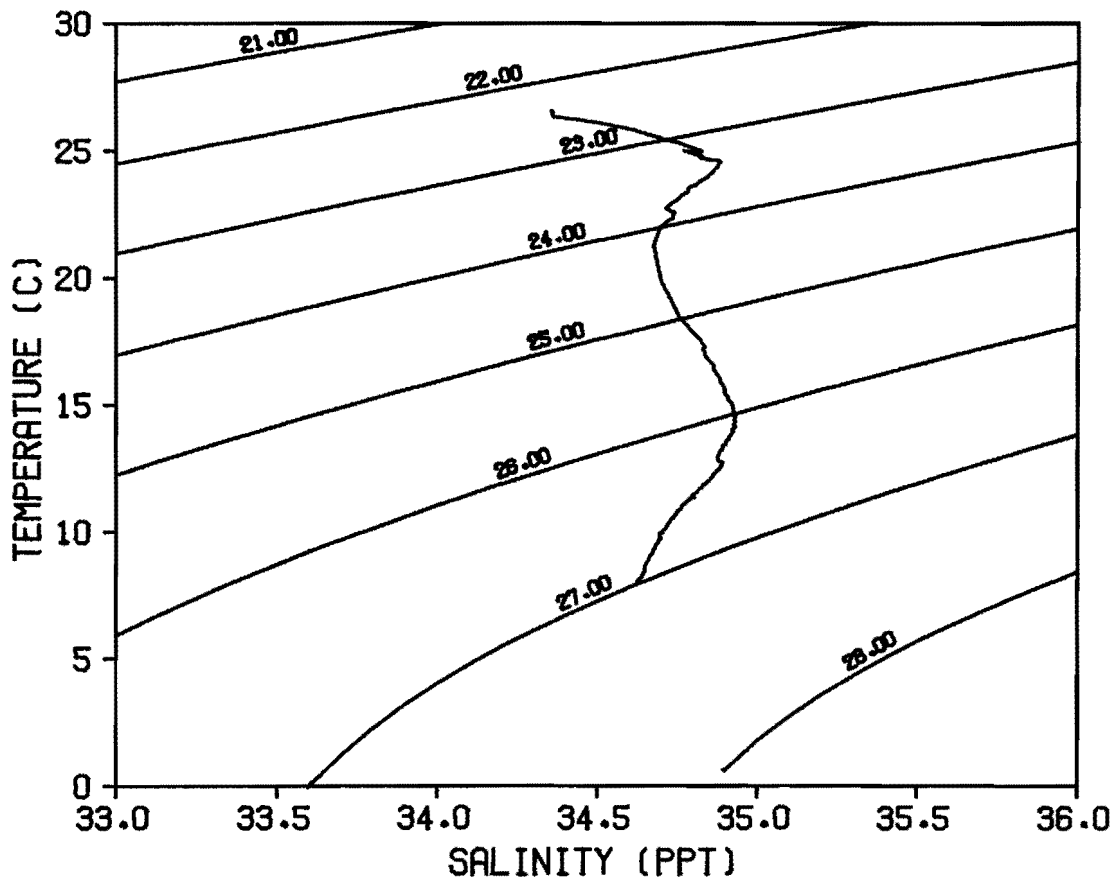


CAST EP2-79-DI-086 DATE 13 FEB 79 TIME 1811 GMT
 LAT 01 14.1N LONG 110 00.9W WEATHER 1 SEA STATE 3
 BAROMETER AMOUNT 3 WIND DIR 165 T SPD 08 KT VISIBILITY 7
 CLOUD 8 DRY 26.7 WET 24.3 MET 24.3 DEPTH 3081 M

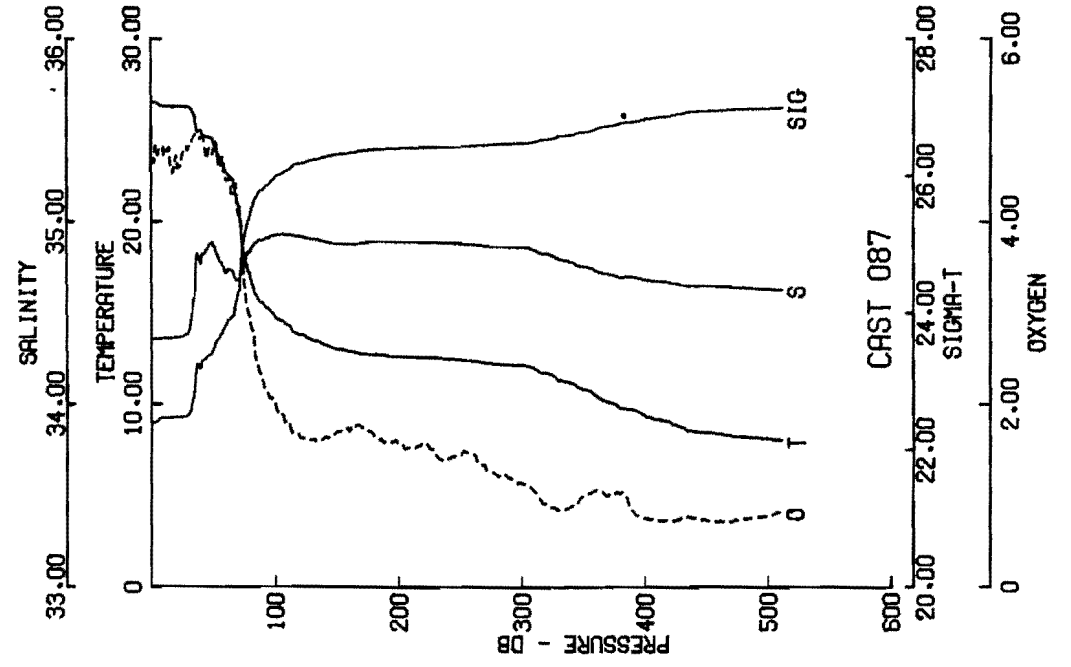
TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
26.238	34.365	5.14	22.502	.000
26.233	34.365	5.15	22.501	.054
26.206	34.365	4.93	22.515	.107
26.197	34.427	4.98	22.596	.160
26.137	34.714	4.85	23.314	.208
22.854	34.641	4.44	23.722	.252
21.018	34.683	3.65	24.249	.292
17.57	34.834	2.22	24.601	.326
16.884	34.915	1.92	25.432	.357
15.627	34.943	1.82	25.784	.380
14.975	34.943	1.74	25.950	.402
14.832	34.928	1.71	26.047	.422
14.753	34.894	1.92	26.114	.442
13.723	34.872	1.92	26.180	.461
13.044	34.872	1.92	26.270	.480
13.971	34.876	1.92	26.303	.497
12.927	34.876	2.03	26.329	.515
12.830	34.873	2.03	26.346	.533
12.874	34.873	1.81	26.368	.550
12.682	34.873	1.81	26.383	.567
12.361	34.873	1.81	26.439	.584
12.911	34.772	1.82	26.479	.601
10.777	34.696	.86	26.632	.631
8.796	34.600	.77	26.774	.668
8.152	34.629	.80	26.907	.683
			26.987	.698
			26.995	1.028



CAST EP2-79-DI-087 DATE 13 FEB 79 TIME 2004 GMT
LAT 01 26.4N LONG 109 57.1W

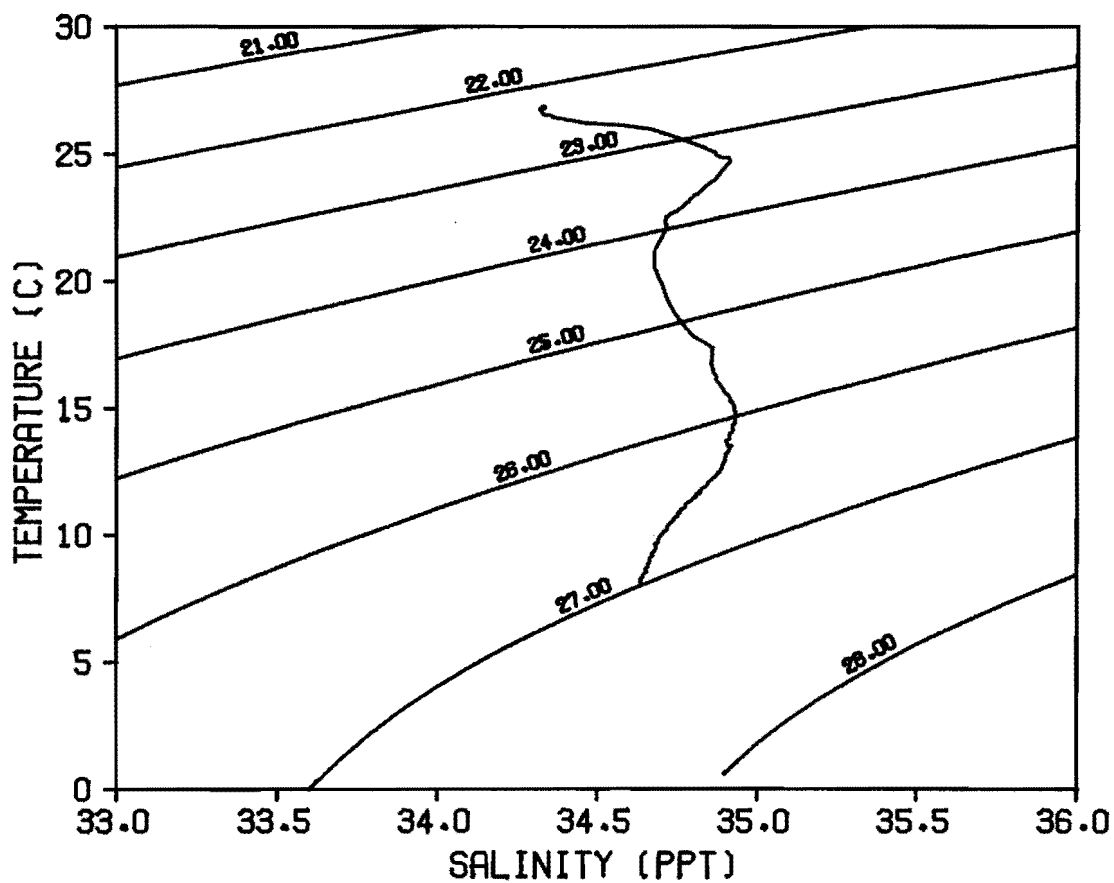


CAST EP2-79-01-087 DATE 13 FEB 79 TIME 2004 GMT
 LAT 01 26.4N LONG 109 57.1W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 150 T SPD 10 KT VISIBILITY 7
 CLOUD 3 AMOUNT 3 DRY 28.0 WET 24.8 DEPTH 3685 M



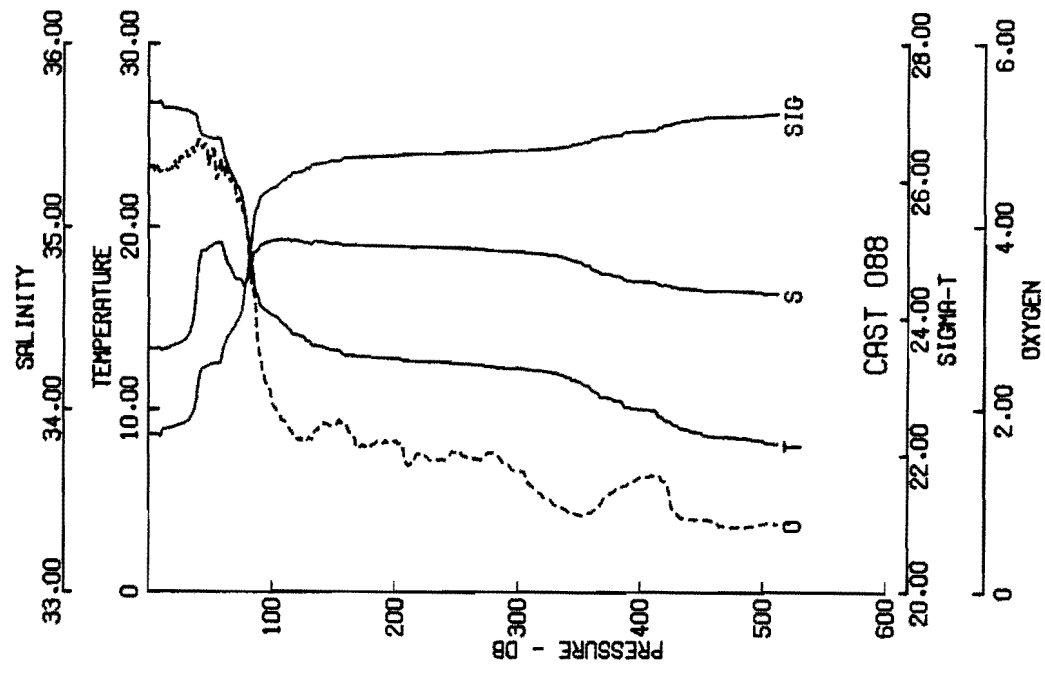
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	26.629	34.356	4.57	22.370	.000
10	26.567	34.357	4.57	22.390	.054
20	26.321	34.363	4.79	22.408	.108
30	26.321	34.365	4.81	22.474	.162
40	26.299	34.370	4.90	22.510	.212
50	25.017	34.874	4.77	22.456	.257
60	22.724	34.683	4.59	23.814	.300
70	20.904	34.840	4.36	24.296	.340
80	16.874	34.900	2.99	25.438	.393
90	15.540	34.926	2.05	25.792	.415
100	14.789	34.930	1.81	25.078	.435
110	14.341	34.930	1.68	26.100	.454
120	13.818	34.919	1.62	26.227	.473
130	13.536	34.904	1.63	26.270	.491
140	13.279	34.892	1.68	26.330	.509
150	13.041	34.878	1.74	26.364	.526
160	12.929	34.862	1.77	26.381	.544
170	12.776	34.889	1.69	26.390	.561
180	12.674	34.891	1.59	26.398	.579
190	12.640	34.880	1.54	26.424	.595
200	12.464	34.865	1.44	26.469	.622
250	12.154	34.755	1.19	26.635	.641
300	11.823	34.683	.76	26.826	.641
350	9.387	34.631	.77	26.947	.973
400	8.467	34.631	.77	26.985	.973
450	8.126	34.627	.82	26.996	1.032
500	8.032	34.627	.82	26.996	1.032
511	8.032	34.627	.82	26.996	1.032

CAST EP2-79-DI-088 DATE 13 FEB 79 TIME 2323 GMT
LAT 01 45.0N LONG 110 00.0W

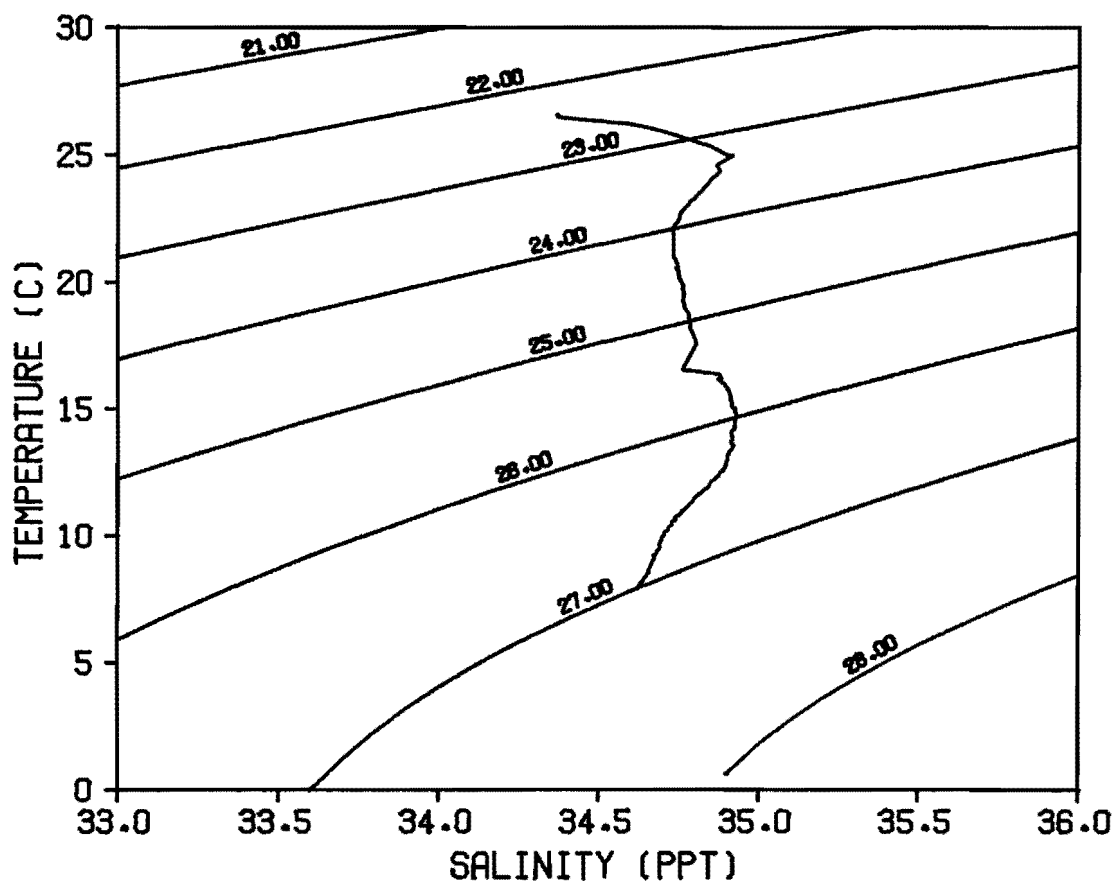


CAST 01-65-01-086 DATE 13 FEB 79 TIME 2323 GMT
 LAT 01-45-00 LONG 110 00-00 WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 145 T SPD 08 KT VISIB 7
 CLOUD 8 AMOUNT 2 DRY 27.6 WET 24.8 DEPTH 3714 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	26.797	34.335	4.655	22.301	.000
2	26.845	34.334	4.660	22.300	.055
10	26.498	34.352	4.682	22.408	.110
30	26.371	34.386	4.823	22.474	.164
50	25.607	34.757	4.923	22.990	.217
70	24.852	34.890	4.759	23.321	.264
90	22.519	34.718	4.455	23.476	.309
100	19.864	34.891	3.92	24.587	.390
110	15.812	34.701	2.64	25.724	.417
120	14.659	34.925	1.88	25.897	.439
130	13.746	34.918	1.970	26.097	.460
140	13.443	34.918	1.83	26.188	.499
150	13.255	34.910	1.84	26.259	.517
160	12.984	34.901	1.83	26.337	.535
170	12.928	34.901	1.58	26.378	.570
180	12.902	34.900	1.61	26.352	.587
190	12.835	34.896	1.63	26.369	.605
200	12.805	34.886	1.64	26.411	.622
250	12.553	34.869	1.35	26.450	.707
300	11.289	34.810	1.35	26.549	.791
350	10.531	34.705	1.26	26.732	.872
400	8.737	34.657	1.80	26.911	.946
450	8.303	34.641	.75	26.966	1.012
500	8.143	34.636	.75	26.986	1.073
512					

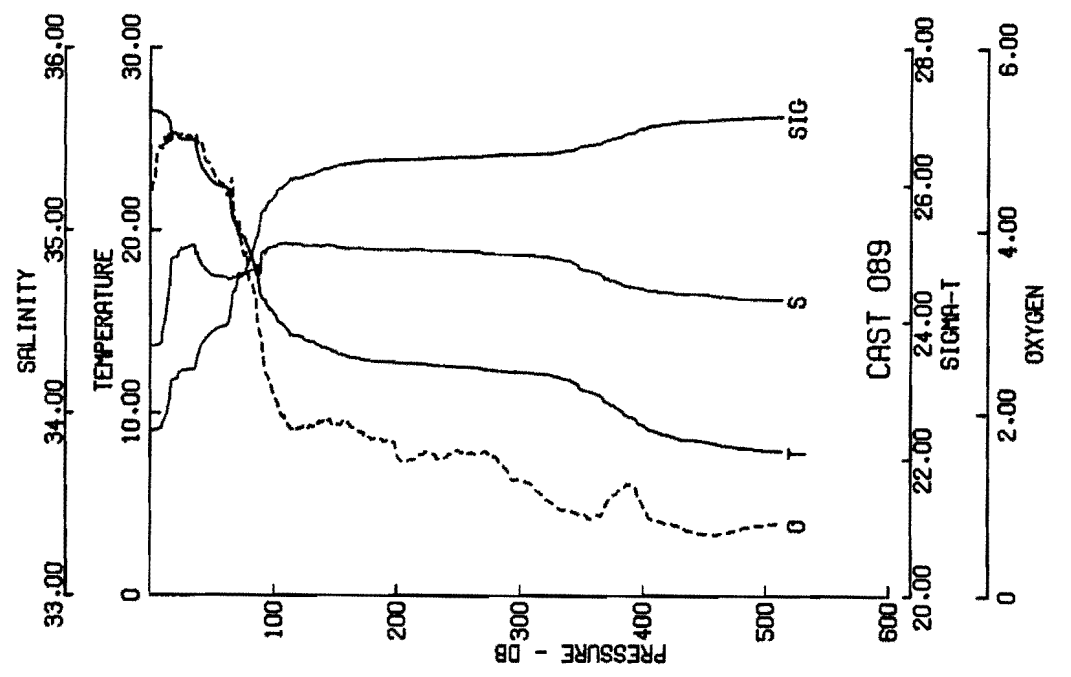


CAST EP2-79-DI-089 DATE 14 FEB 79 TIME 0143 GMT
LAT 02 00.0N LONG 110 00.0W

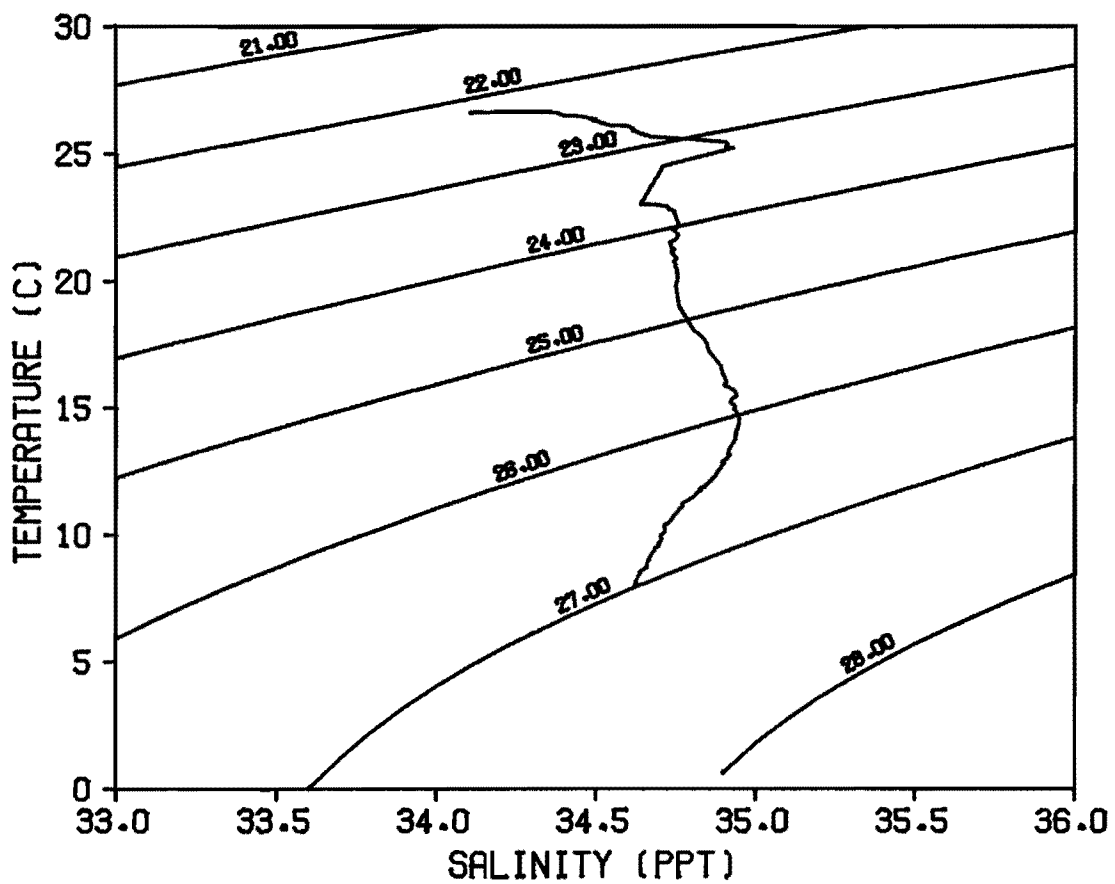


CAST EP2-79-DI-089 DATE 14 FEB 79 TIME 0143 GMT
 LAT 02 00.0N LONG 110 00.0W WEATHER 2 SEA STATE 3
 BAROMETER 11.1 WIND DIR 150.1 SPD 10.0 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 27.8 WET 24.8 DEPTH M

TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
26.584	34.370	4.32	22.394	.000
26.364	34.445	4.44	22.400	.054
25.303	34.853	5.08	22.520	.105
24.062	34.907	5.03	23.101	.151
23.701	34.835	4.93	23.010	.196
22.366	34.748	4.68	23.854	.238
20.143	34.751	4.09	24.552	.316
18.964	34.771	3.45	24.872	.377
16.368	34.876	3.81	25.584	.400
15.472	34.913	2.19	25.317	.421
14.668	34.930	1.94	26.007	.441
13.934	34.926	1.87	26.048	.460
13.606	34.917	1.91	26.154	.479
13.388	34.918	1.91	26.268	.497
13.113	34.906	1.90	26.314	.515
13.006	34.904	1.79	26.335	.533
12.885	34.900	1.72	26.336	.550
12.791	34.899	1.69	26.364	.567
12.576	34.886	1.56	26.372	.585
12.284	34.869	1.59	26.409	.670
11.389	34.794	1.28	26.451	.754
9.389	34.685	1.02	26.571	.838
8.468	34.653	.78	26.828	.908
7.978	34.627	.80	26.950	.970
7.943	34.626	.80	27.009	1.028

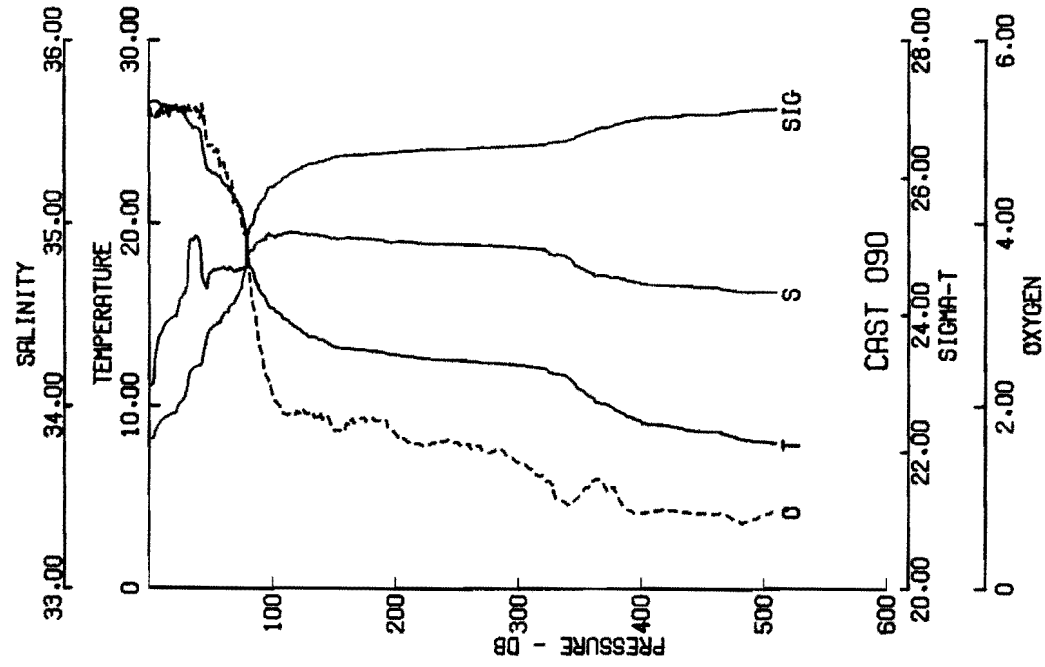


CAST EP2-79-DI-090 DATE 14 FEB 79 TIME 0559 GMT
LAT 02 30.ON LONG 109 59.0W

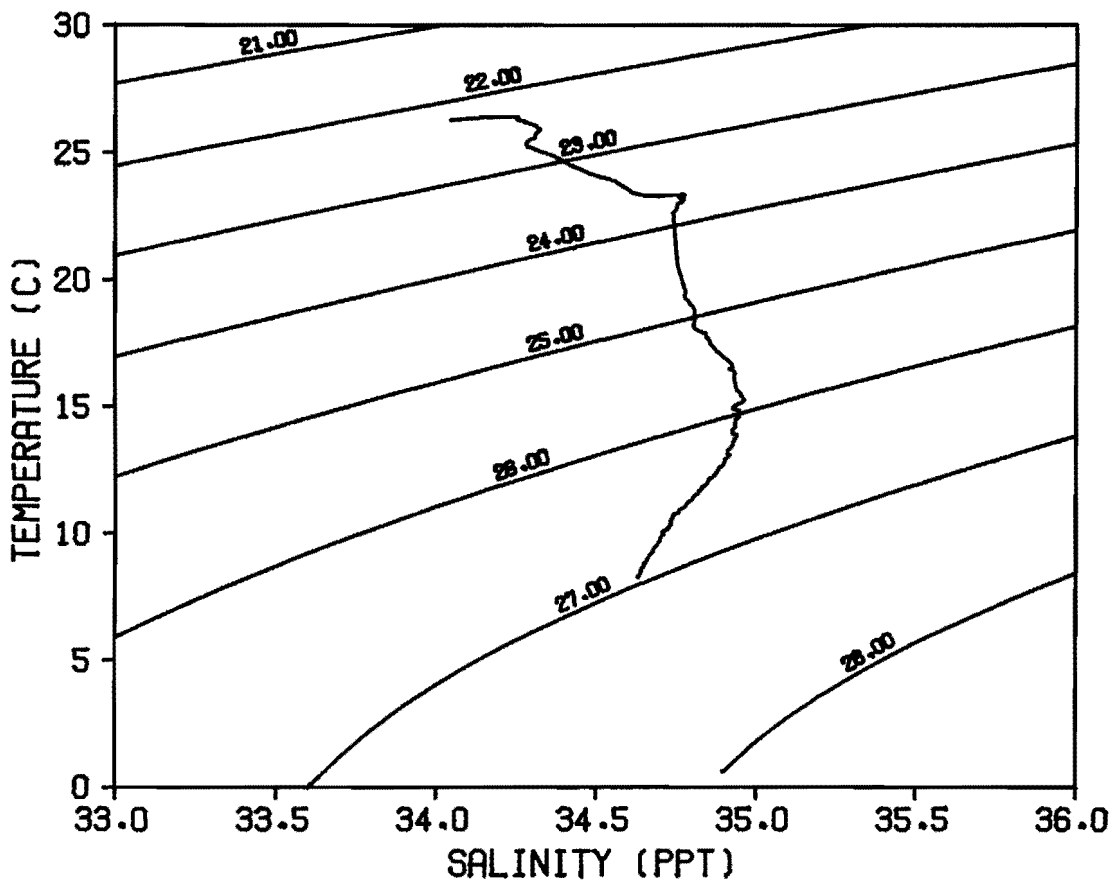


CAST # P2-79-DI-090 DATE 14 FEB 79 TIME 0559 GMT
 LAT 02 30.0N LONG 109 59.0W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 125 T SPD 07 KT VISIBILITY 7
 CLOUD 4 AMOUNT 5 MET 24.6 WET 23.1 DEPTH 3704 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	26.619	34.022	5.20	22.122	.600
10	26.493	34.108	5.20	22.146	.056
20	26.362	34.490	5.23	22.446	.109
30	25.766	34.642	5.21	22.555	.161
40	25.165	34.816	5.22	22.795	.208
50	22.825	34.757	4.84	23.093	.255
60	22.208	34.735	4.18	23.233	.293
70	18.141	34.898	3.76	23.510	.367
80	16.235	34.898	2.64	23.621	.416
90	15.355	34.829	2.12	23.597	.437
100	14.775	34.942	1.92	23.994	.457
110	13.793	34.936	1.88	23.198	.476
120	13.617	34.932	1.92	23.231	.494
130	13.240	34.919	1.75	23.317	.512
140	13.151	34.919	1.81	23.337	.530
150	13.067	34.916	1.86	23.359	.548
160	12.941	34.912	1.85	23.349	.565
170	12.896	34.908	1.84	23.367	.582
180	12.844	34.896	1.84	23.367	.600
190	12.808	34.885	1.71	23.419	.644
200	12.750	34.869	1.61	23.419	.768
250	12.323	34.760	1.39	23.617	.818
300	10.945	34.672	1.0	23.852	.918
350	8.180	34.650	.83	23.922	.980
400	8.047	34.626	.82	23.993	1.040
450	7.987	34.624	.82	27.000	
500					
510					

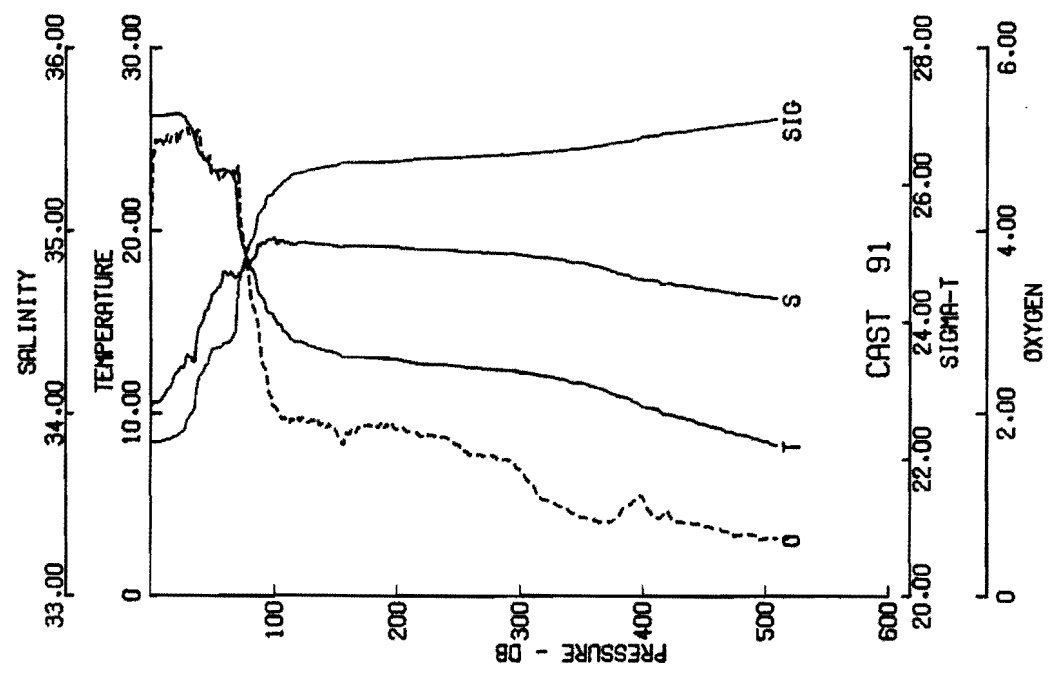


CAST EP2-79-DI-091 DATE 14 FEB 79 TIME 0904 GMT
LAT 03 00.ON LONG 110 00.0W

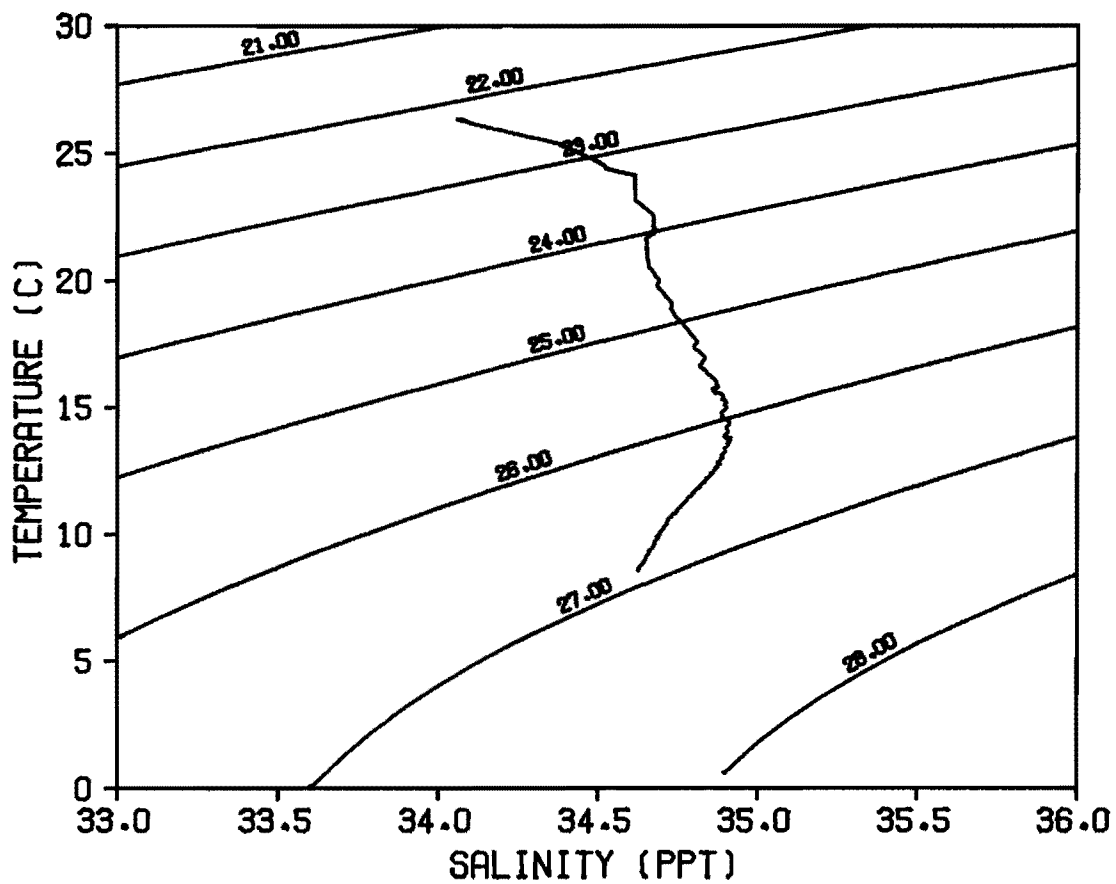


CAST EP2-79-01-091 DATE 14 FEB 79 TIME 0904 GMT
 LAT 03 00.0N LONG 110 00.0W WEATHER 1
 BAROMETER 12 WIND DIR 105 T SPD 10 KT VISIBILITY 7
 CLOUD 3 AMOUNT 2 WET 23.1 MET 23.8 DEPTH 3789 M

TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELT-A-M
26.284	34.048	4.16	22.244	.000
26.285	34.045	4.16	22.244	.056
26.323	34.086	4.98	22.203	.112
26.409	34.211	5.06	22.330	.169
25.899	34.374	5.12	22.574	.212
24.163	34.476	5.04	23.034	.262
23.230	34.651	4.61	23.685	.305
21.592	34.747	4.65	24.158	.347
18.131	34.806	3.48	25.108	.379
16.388	34.932	2.62	25.910	.405
15.237	34.957	2.08	26.097	.428
14.417	34.933	1.94	26.174	.449
13.905	34.933	1.91	26.224	.466
13.661	34.928	1.90	26.257	.486
13.482	34.919	1.81	26.281	.505
13.327	34.916	1.78	26.326	.523
13.099	34.917	1.83	26.327	.540
13.009	34.916	1.87	26.330	.558
13.026	34.913	1.84	26.338	.575
12.990	34.912	1.82	26.344	.593
12.618	34.890	1.65	26.401	.610
12.277	34.870	1.39	26.452	.696
11.649	34.826	1.36	26.531	.780
10.354	34.733	1.09	26.703	.862
9.481	34.684	.77	26.823	.938
8.272	34.632	.63	26.938	1.007
			26.963	1.071

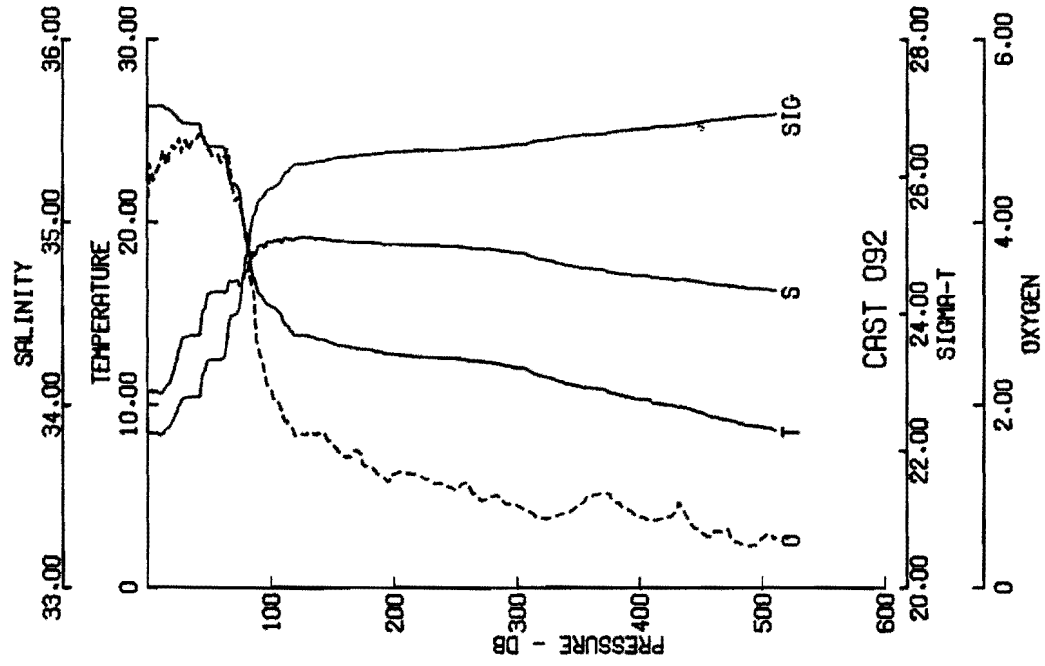


CAST EP2-79-DI-092 DATE 14 FEB 79 TIME 1213 GMT
LAT 03 30.ON LONG 110 00.0W

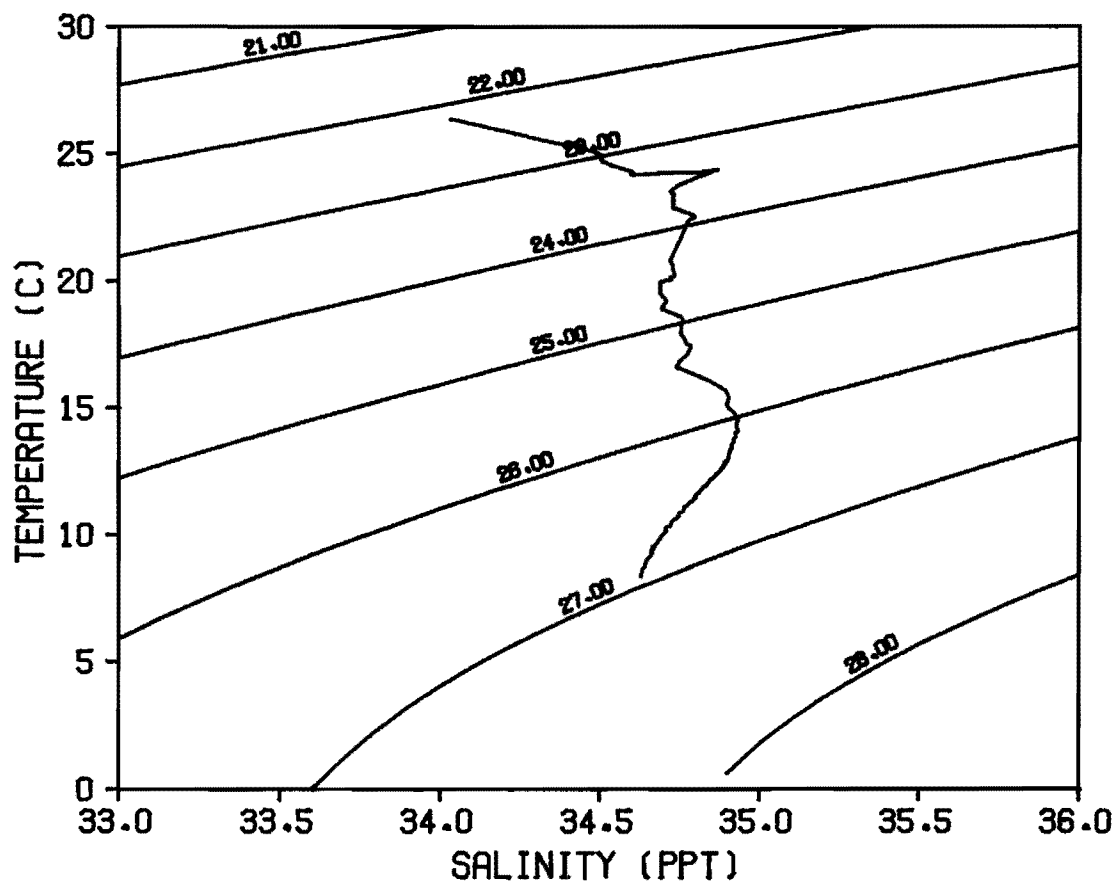


CAST EP2-79-DI-092 DATE 14 FEB 79 TIME 1213 GMT
 LAT 03 30.0N LONG 110 00.0W WEATHER 1 SEA STATE 2
 BAROMETER 11 WIND DIR 100 T SPD 08 KT VISIBILITY 4
 CLOUD 9 AMOUNT 2 DRY 25.3 WET 24.1 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	DAY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	26.331	34.072	4.44	22.250	.000
10	26.331	34.072	4.27	22.251	.056
20	26.335	34.062	4.62	22.235	.112
30	26.307	34.149	4.87	22.237	.164
40	26.405	34.309	4.91	22.278	.215
50	25.384	34.309	4.80	22.317	.264
60	24.131	34.618	4.66	23.332	.310
70	22.073	34.674	4.33	24.801	.352
80	19.125	34.731	3.90	25.625	.390
90	16.387	34.852	2.63	25.821	.418
100	15.387	34.893	2.19	25.988	.441
110	14.614	34.908	1.87	26.174	.482
120	13.804	34.913	1.67	26.186	.501
130	13.767	34.910	1.67	26.224	.519
140	13.573	34.907	1.54	26.255	.537
150	13.225	34.897	1.50	26.285	.555
160	13.084	34.890	1.30	26.308	.573
170	13.023	34.883	1.22	26.320	.591
180	12.900	34.880	1.24	26.340	.608
190	12.791	34.868	1.08	26.352	.626
200	12.578	34.833	.91	26.466	.705
250	12.057	34.756	.91	26.597	.795
300	11.035	34.709	.78	26.691	.875
350	9.569	34.674	.61	26.789	.949
400	8.783	34.636	.53	26.887	1.020
450	8.589	34.626	.54	26.910	1.085

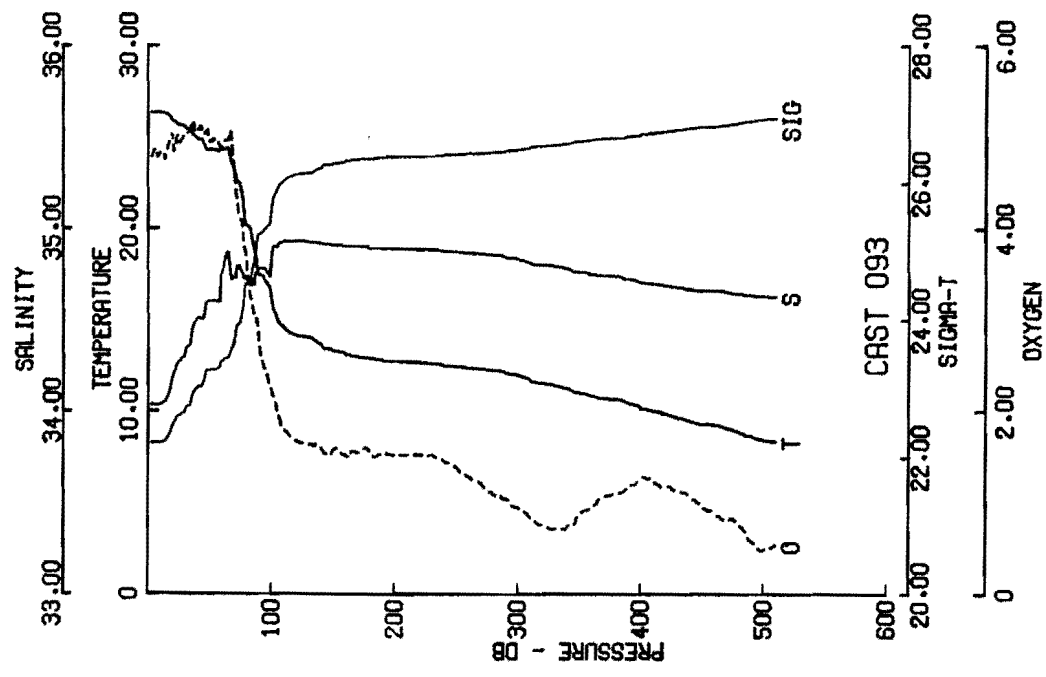


CAST EP2-79-DI-093 DATE 14 FEB 79 TIME 1517 GMT
LAT 03 44.1N LONG 110 02.0W

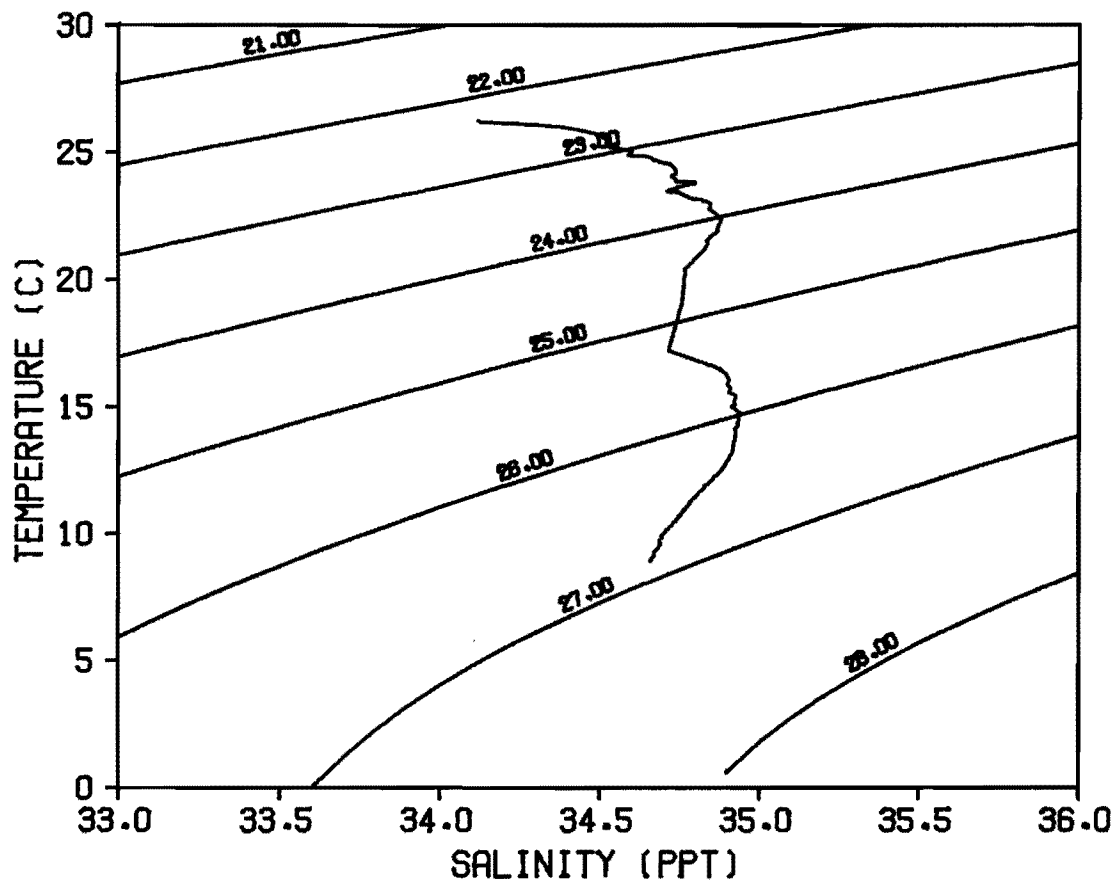


CAST EP2-79-DI-093 DATE 14 FEB 79 TIME 1517 GMT
 LAT 03.44 IN LONG 110 02.0W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 045 T SPD 10 KT VISIBILITY 7
 CLOUD 9 AMOUNT 6 DRY 25.1 WET 24.0 DEPTH M

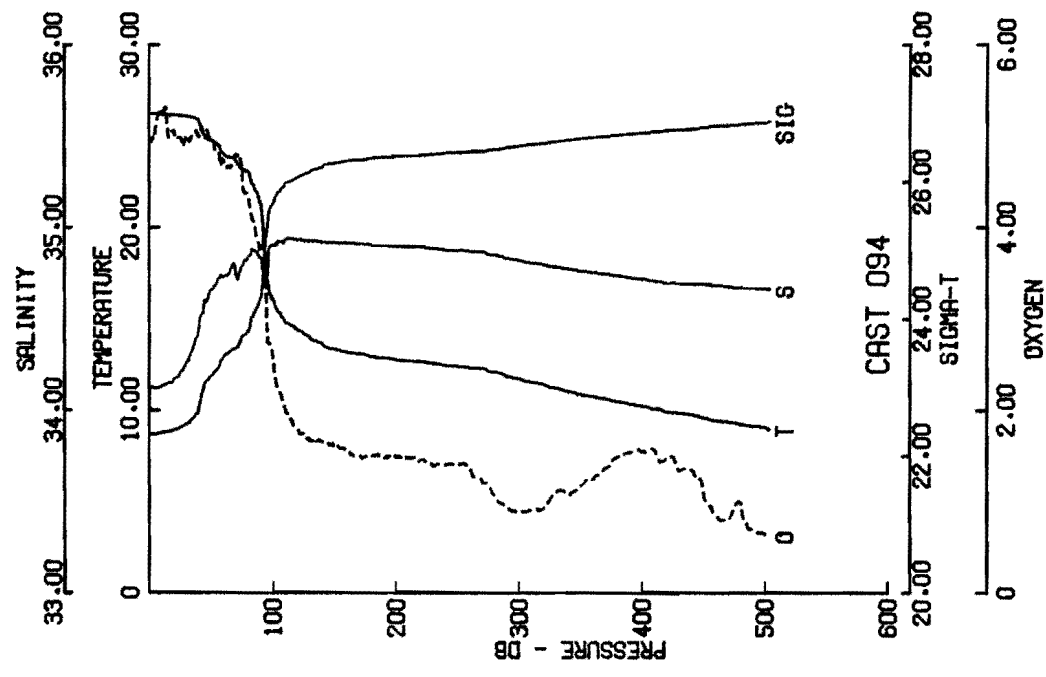
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	36.3	34.032	4.75	22.210	.000
10	36.3	34.033	4.79	22.212	.056
20	36.3	34.184	4.83	22.455	.112
30	35.9	34.309	5.04	22.604	.163
40	35.7	34.509	5.08	23.014	.269
50	34.3	34.760	4.89	23.392	.353
60	31.5	34.729	4.59	24.523	.424
70	27.4	34.777	3.73	25.243	.451
80	20.1	34.839	2.71	25.615	.492
90	16.1	34.929	1.80	26.112	.511
100	14.6	34.926	1.64	26.134	.530
110	14.0	34.920	1.61	26.204	.548
120	13.7	34.909	1.58	26.313	.560
130	13.3	34.903	1.52	26.334	.584
140	13.1	34.891	1.55	26.346	.601
150	12.8	34.888	1.54	26.373	.635
160	12.8	34.888	1.52	26.415	.724
170	12.7	34.871	1.36	26.482	.804
180	11.9	34.837	.96	26.607	.893
190	11.0	34.765	1.27	26.709	.957
200	10.3	34.661	.48	26.922	1.026
250	8.4	34.629	.54	26.944	



CAST EP2-79-DI-094 DATE 14 FEB 79 TIME 1725 GMT
LAT 04 02.3N LONG 110 01.4W

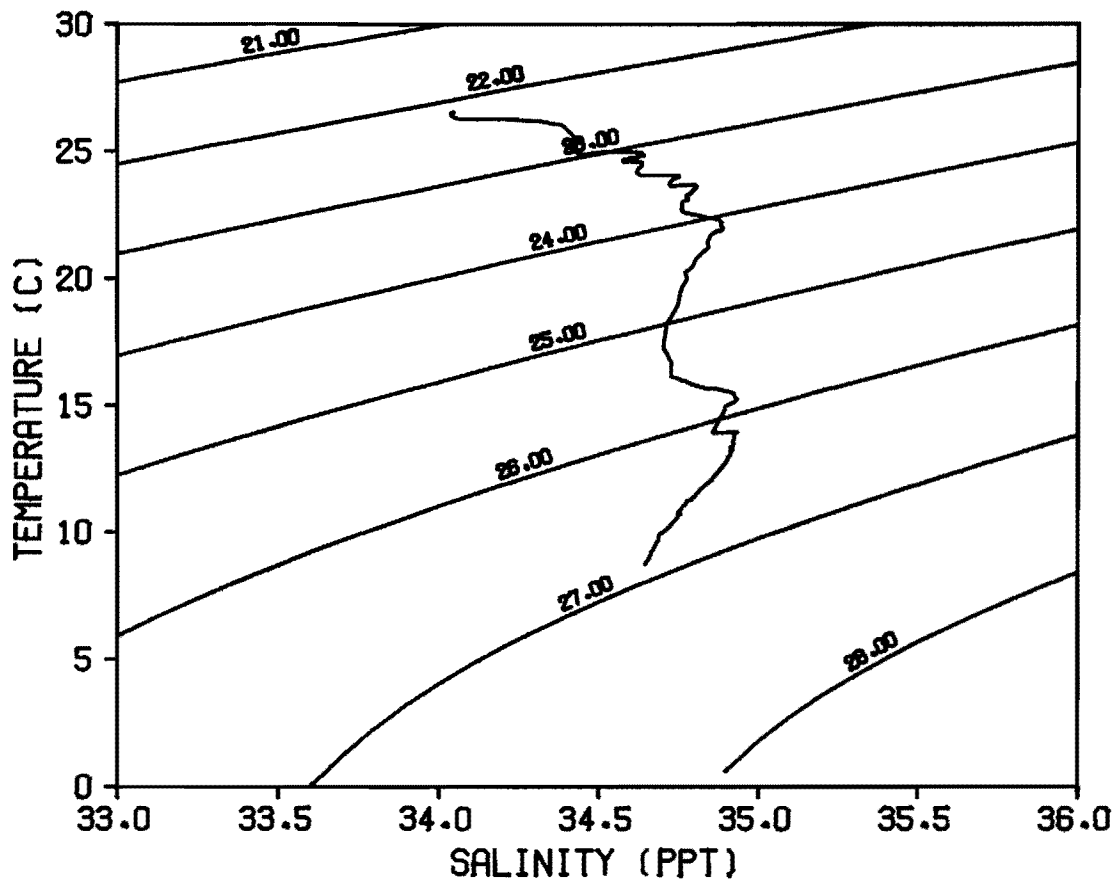


CAST EP2-79-01-094 DATE 14 FEB 79 TIME 1725 GMT
 LAT 04 02.3N LONG 110 01.4W SEA STATE 3
 BAROMETER 1010.4 WIND DIR 110 T WAVE HGT 1.7
 CLOUD 8 AMOUNT 2 MET 26.5 WET 24.5 DEPTH 3769 M



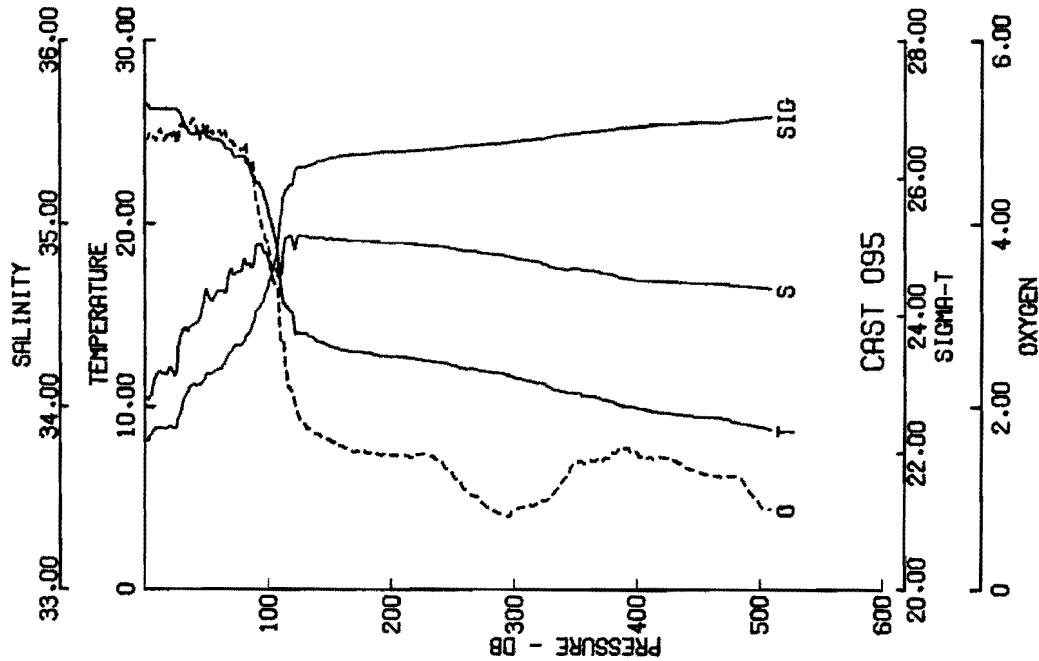
PRES (DB)	TEMP (C)	SAL (PPT)	DXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	24.4	34.120	4.84	22.315	.000
10	26.243	34.128	4.93	22.313	.055
20	26.170	34.162	5.07	22.332	.110
30	26.110	34.256	5.09	22.477	.165
40	25.857	34.444	4.90	22.677	.218
50	24.811	34.656	4.98	23.158	.267
60	24.084	34.747	4.75	23.434	.313
70	23.642	34.832	4.80	23.574	.358
80	23.337	34.837	4.36	23.801	.400
90	21.062	34.904	3.74	24.285	.439
100	17.065	34.931	2.62	25.972	.490
110	14.716	34.932	2.02	26.063	.510
120	13.989	34.926	1.66	26.150	.530
130	13.672	34.921	1.66	26.272	.548
140	13.372	34.919	1.66	26.321	.567
150	13.194	34.919	1.56	26.350	.584
160	12.901	34.911	1.49	26.359	.602
170	12.697	34.900	1.47	26.373	.620
180	12.573	34.897	1.47	26.378	.637
190	12.490	34.897	1.47	26.373	.654
200	12.435	34.875	1.47	26.373	.671
250	11.735	34.821	1.47	26.518	.739
300	11.085	34.762	1.17	26.634	.821
350	10.520	34.716	1.15	26.712	.898
400	9.958	34.689	1.12	26.798	.971
450	9.588	34.666	1.12	26.867	1.041
500	9.254	34.660	.63	26.880	1.107

CAST EP2-79-DI-095 DATE 14 FEB 79 TIME 2029 GMT
LAT 04 15.7N LONG 109 59.5W

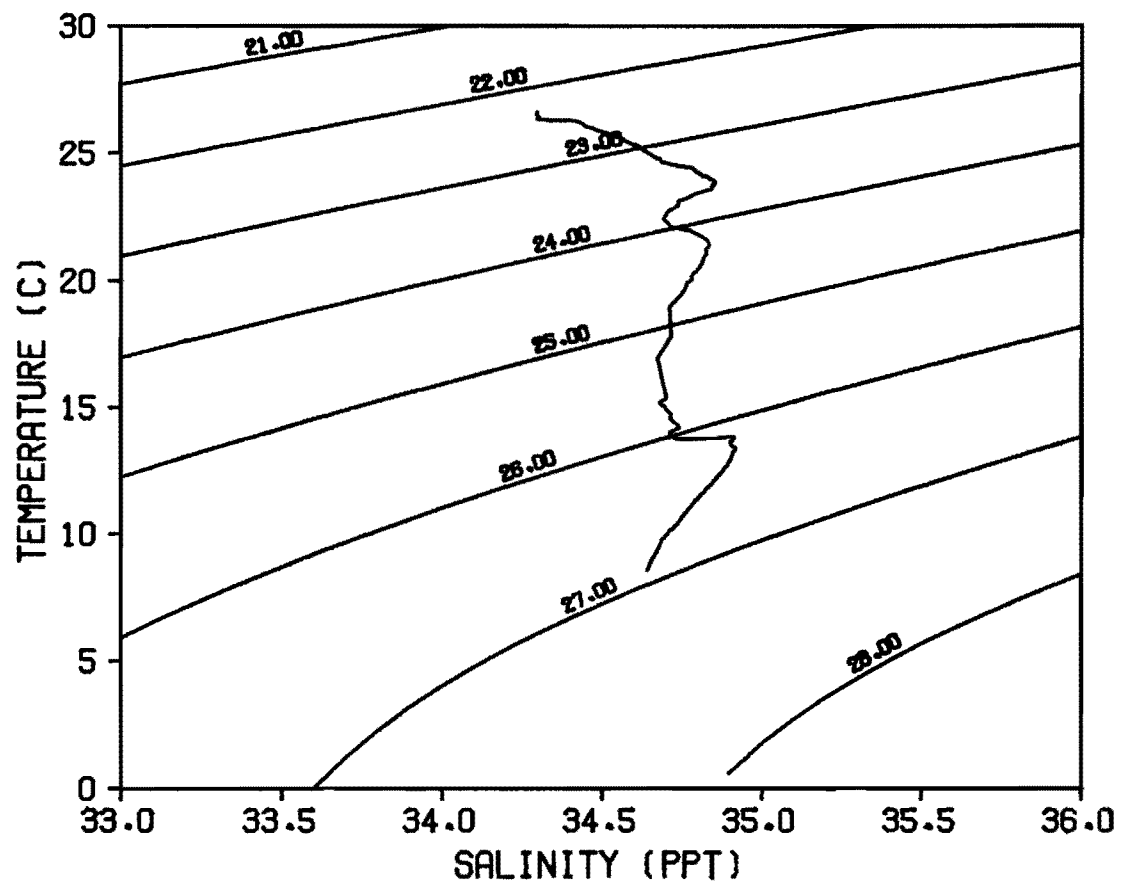


CAST EP2-79-01-095 DATE 14 FEB 79 TIME 2029 GMT
 LAT 04 15.7N LONG 109 59.5W HEATHER 6 SEA STATE 3
 BAROMETER 12 WIND DIR 125 T SPD 07 KT VISIBILITY 7
 CLOUD 6 AMOUNT 6 DRY 28.5 MET 25.7 DEPTH 3742 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	26.598	34.015	4.92	22.123	.000
10	26.532	34.048	4.91	22.166	.056
20	26.273	34.178	4.97	22.374	.115
30	25.899	34.212	5.01	22.628	.165
40	24.874	34.306	5.07	22.984	.215
50	24.875	34.445	5.07	23.134	.264
60	24.575	34.633	5.00	23.211	.312
70	24.025	34.795	4.90	23.466	.357
80	23.712	34.877	4.81	23.590	.401
90	22.708	34.877	4.72	24.055	.443
100	20.721	34.877	4.63	24.424	.481
110	19.728	34.720	4.54	24.917	.513
120	18.960	34.933	4.45	25.354	.535
130	18.545	34.921	4.36	26.168	.554
140	18.296	34.919	4.27	26.287	.573
150	18.096	34.919	4.18	26.322	.591
160	17.933	34.905	4.09	26.340	.609
170	17.791	34.898	4.00	26.350	.624
180	17.639	34.896	3.91	26.374	.644
190	17.491	34.896	3.82	26.382	.661
200	17.339	34.886	3.73	26.432	.678
250	17.261	34.814	3.64	26.536	.763
300	17.139	34.756	3.55	26.650	.843
350	16.930	34.692	3.46	26.744	.921
400	16.759	34.677	3.37	26.813	.991
450	16.501	34.654	3.28	26.883	1.059
500	16.253	34.646	3.19	26.900	1.125

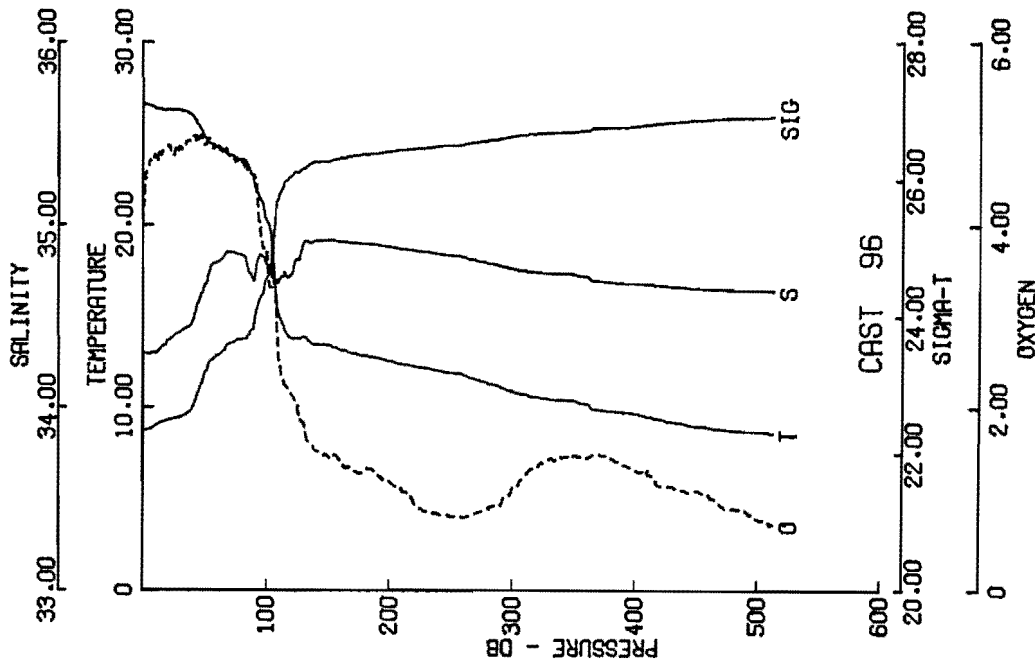


CAST EP2-79-DI-096 DATE 14 FEB 79 TIME 2210 GMT
LAT 04 30.0N LONG 109 59.5W

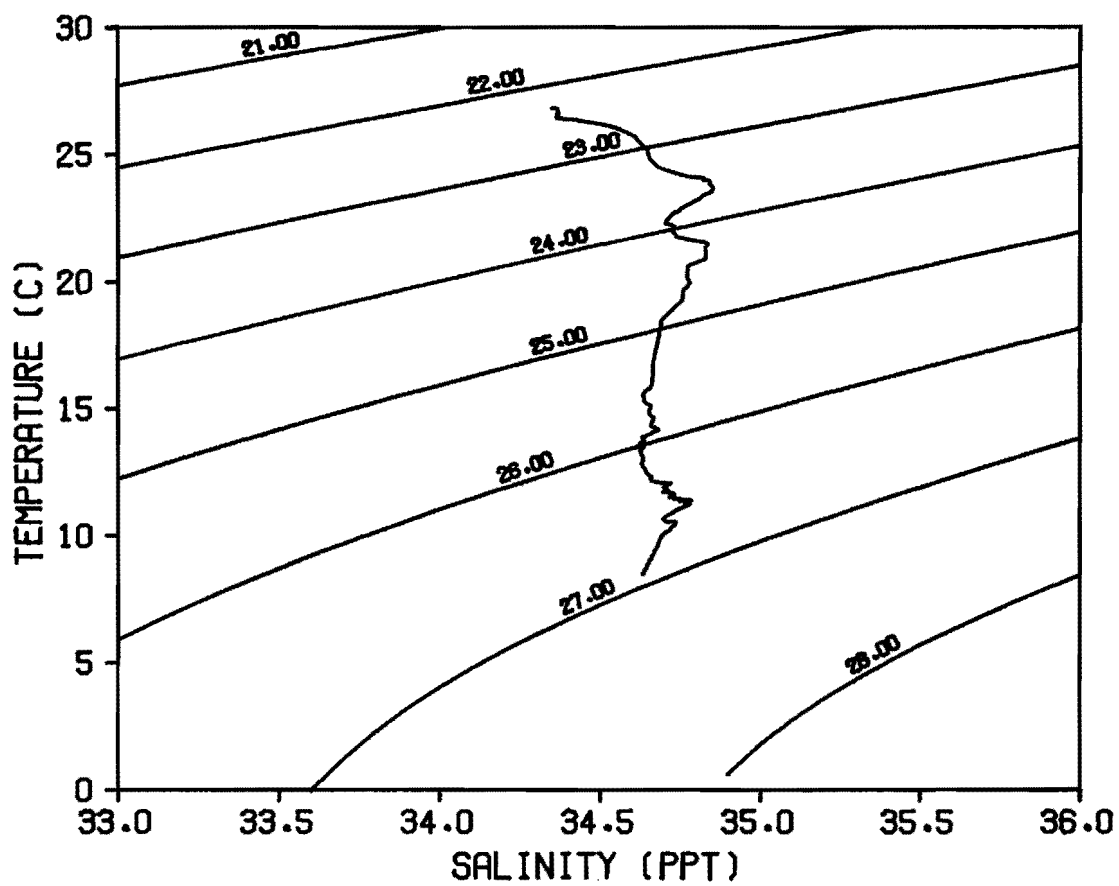


CAST 04 EP2-79-DI-096 DATE 14 FEB 79 TIME 2210 GMT
 LAT 04 30.0N LONG 109 59.5W WEATHER 2 SEA STATE 4
 BAROMETER 10 WIND DIR 120 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 6 DRY 27.1 WET 25.0 DEPTH 3801 M

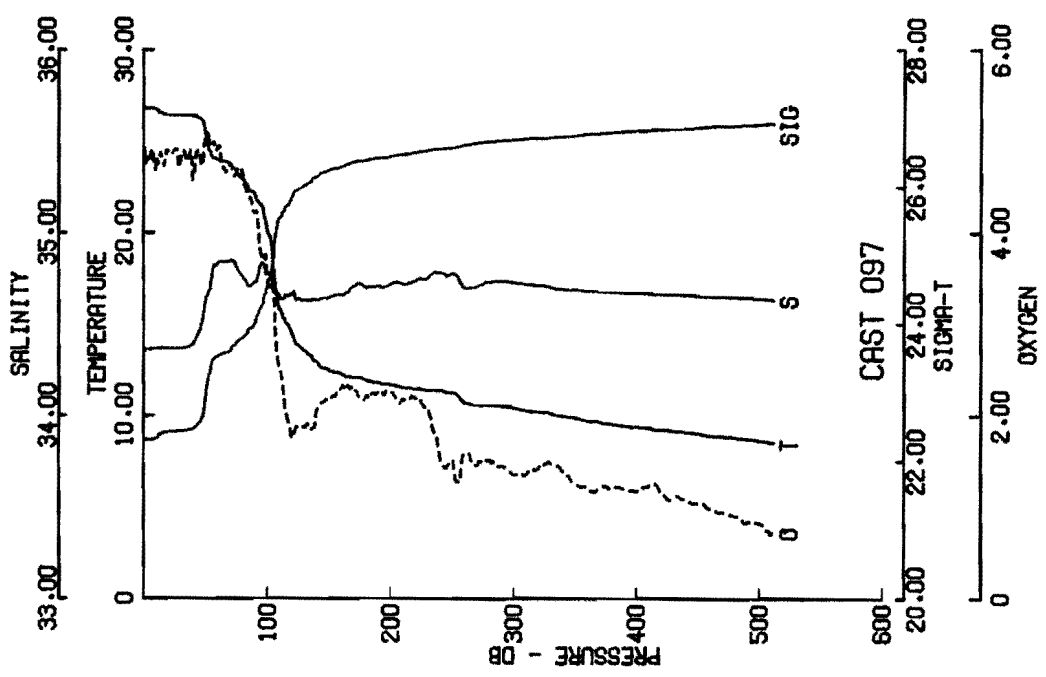
PRES (DB)	TEMP (C)	SAL (PPT)	DXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.637	34.303	4.77	22.337	0.03
10	26.417	34.363	4.85	22.481	.109
20	26.298	34.413	4.85	22.631	.216
30	26.188	34.471	4.88	23.161	.311
40	25.827	34.667	4.88	23.423	.356
50	25.264	34.849	4.75	23.604	.399
60	23.805	34.836	4.68	24.546	.478
70	23.528	34.787	4.271	25.699	.529
80	22.267	34.681	3.515	26.030	.549
90	15.806	34.863	1.84	26.130	.568
100	13.808	34.915	1.248	26.258	.604
110	13.424	34.909	1.143	26.339	.621
120	13.167	34.883	1.10	26.380	.638
130	12.853	34.883	1.10	26.406	.656
140	12.477	34.881	1.10	26.498	.673
150	12.077	34.881	1.10	26.629	.735
160	11.758	34.836	1.10	26.778	.835
170	11.530	34.733	1.10	26.869	.974
180	11.300	34.657	1.10	26.867	1.010
190	11.071	34.646	1.10	26.867	1.010
200	10.844	34.642	1.10	26.867	1.010
250	10.387				
300	9.600				
350	8.711				
400	8.601				
450					
500					
513					



CAST EP2-79-DI-097 DATE 15 FEB 79 TIME 0106 GMT
LAT 04 45.0N LONG 110 00.0W

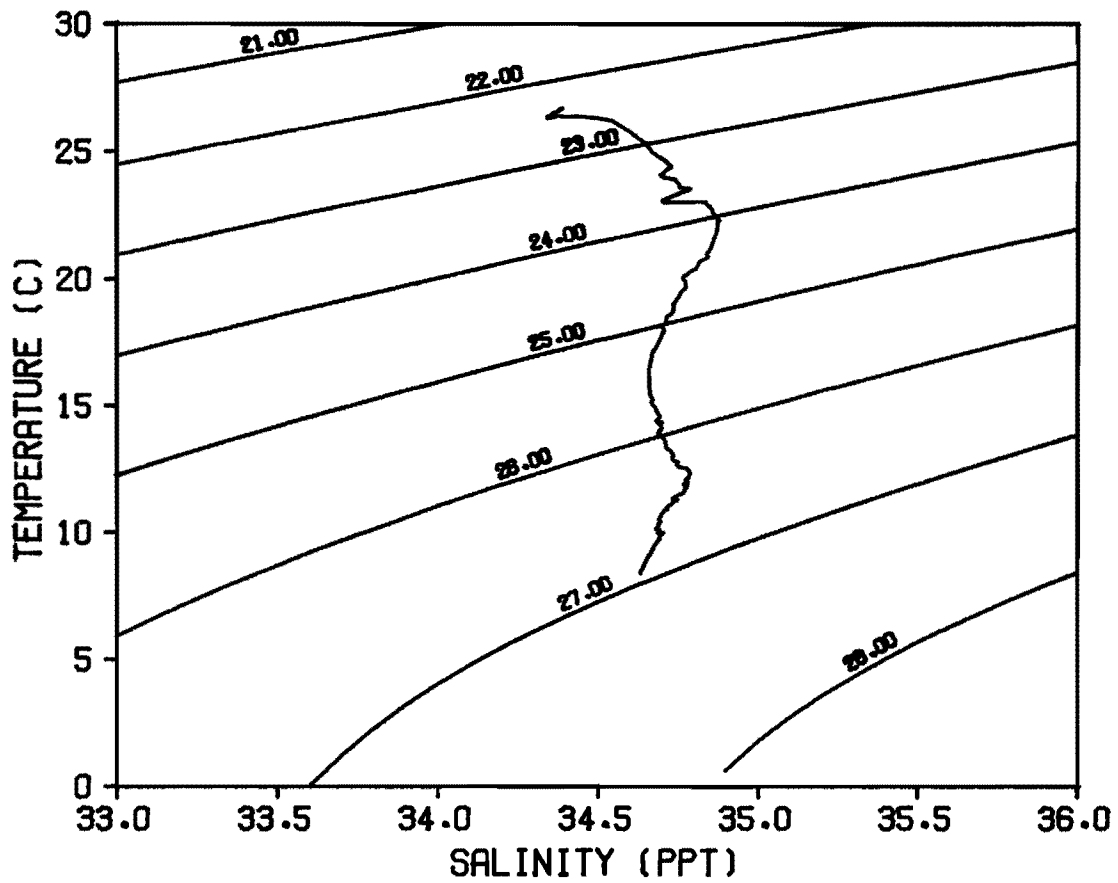


CAST 04 EP2-79-DI-097 DATE 15 FEB 79 TIME 0106 GMT
 LAT 04 45.0N LONG 110 00.0W WEA THER 8 SEA STATE 4
 BAROMETER 8 WIND DIR 110 T SPD 13 KT VISIBILITY 6
 CLOUD 8 AMOUNT 3 DRY 27.3 WET 25.0 DEPTH 3860 M



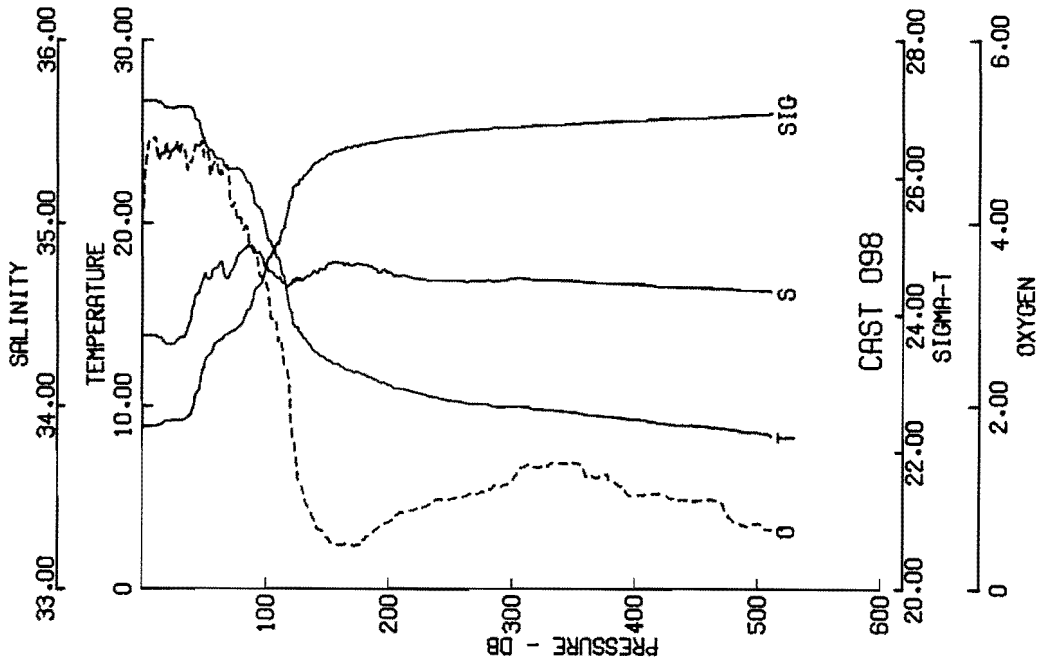
PRES (DB)	TEMP (C)	SAL (PPT)	DX (ML/L)	SIG-T	DELTA-M
0	26.816	34.354	4.813	22.309	.000
10	26.822	34.350	4.808	22.304	.055
20	26.774	34.368	4.800	22.331	.110
30	26.484	34.387	4.790	22.423	.164
40	26.451	34.389	4.780	22.466	.218
50	25.716	34.609	4.751	22.845	.271
60	23.814	34.835	4.703	23.532	.326
70	22.965	34.878	4.775	23.598	.381
80	22.156	34.732	4.821	23.789	.444
90	22.192	34.771	3.855	23.554	.511
100	15.491	34.653	2.553	25.540	.534
110	14.535	34.663	1.785	25.016	.555
120	13.928	34.633	1.863	26.015	.555
130	12.928	34.642	1.803	26.135	.555
140	12.213	34.660	2.010	26.230	.594
150	12.281	34.702	2.302	26.289	.612
160	11.947	34.710	2.205	26.360	.646
170	11.810	34.710	2.251	26.386	.663
180	11.713	34.777	1.327	26.440	.680
190	11.250	34.777	1.327	26.475	.699
200	10.876	34.687	1.217	26.688	.732
300	9.356	34.671	1.104	26.742	.970
400	8.619	34.653	.873	26.866	.970
500	8.489	34.633	.773	26.931	1.018

CAST EP2-79-DI-098 DATE 15 FEB 79 TIME 0317 GMT
LAT 05 04.0N LONG 109 57.1W

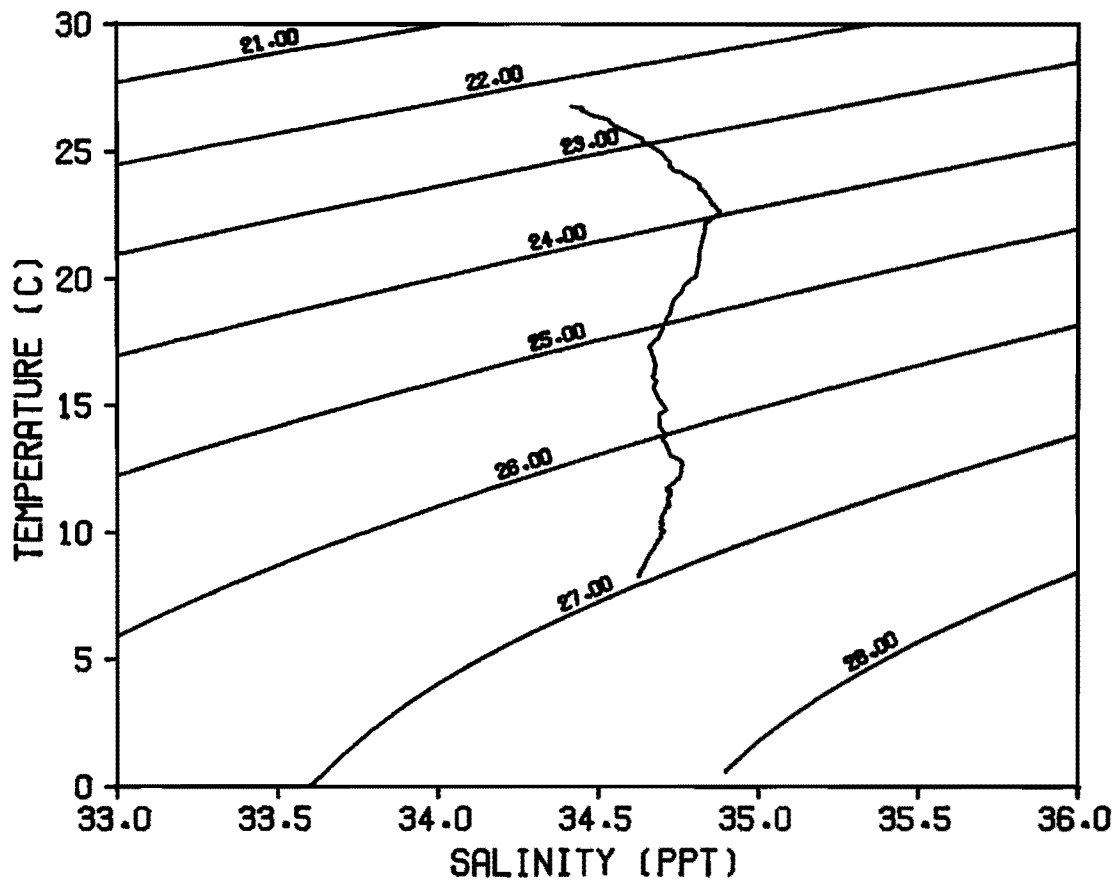


CAST EP2-79-DI-098 DATE 15 FEB 79 TIME 0317 GMT
 LAT 05 04.0N LONG 109 57.1W WEATHER 1 SEA STATE 4
 BAROMETER 11 WIND 105 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 4 DRY 26.6 WET 25.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	26.708	34.388	4.23	22.309	.000
1	26.706	34.387	4.18	22.370	.055
10	26.697	34.387	4.92	22.371	.109
20	26.335	34.374	4.90	22.450	.217
30	26.386	34.509	4.76	22.495	.267
40	26.279	34.703	4.72	23.229	.312
50	23.691	34.707	4.68	23.731	.354
60	22.994	34.838	4.51	23.853	.398
70	22.909	34.675	4.06	24.234	.470
80	21.635	34.671	3.70	25.023	.501
100	19.142	34.692	2.87	25.686	.550
120	15.271	34.774	1.07	26.010	.589
140	13.010	34.774	.73	26.203	.587
150	12.330	34.785	.58	26.400	.605
160	12.205	34.771	.48	26.447	.621
170	11.713	34.771	.54	26.484	.637
180	11.434	34.744	.65	26.518	.653
190	11.108	34.689	.79	26.573	.669
200	10.994	34.701	1.20	26.673	.743
300	9.660	34.686	1.39	26.784	.881
400	8.280	34.668	1.07	26.875	.947
450	8.942	34.652	.72	26.922	1.011
500	8.565	34.638	.65	26.944	1.074
511	8.388	34.630	.65		

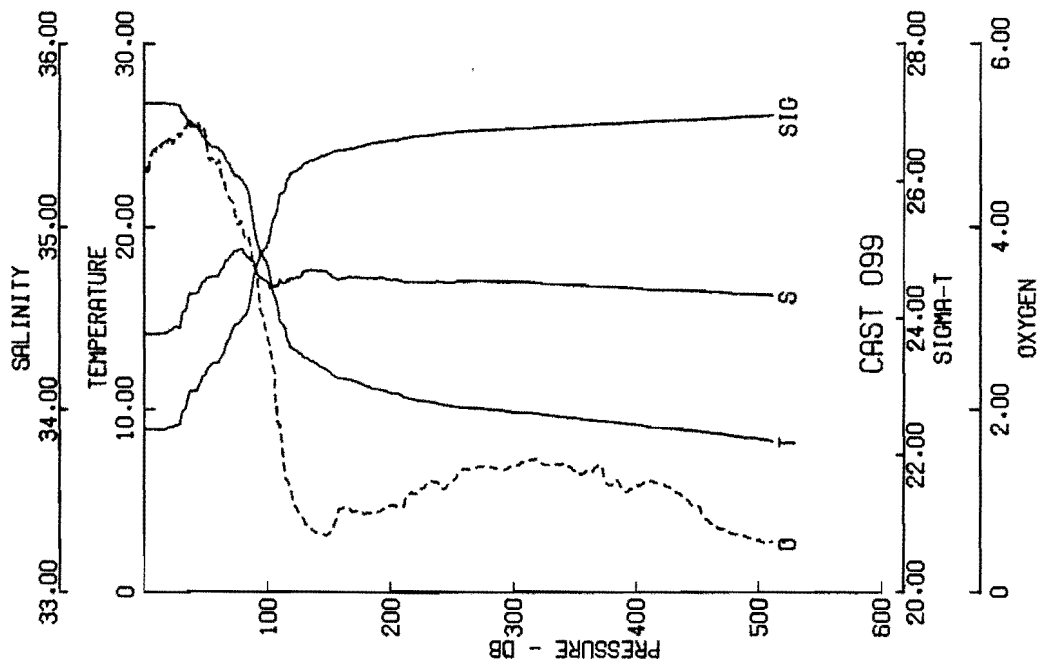


CAST EP2-79-DI-099 DATE 15 FEB 79 TIME 0608 GMT
LAT 05 15.5N LONG 110 00.3W

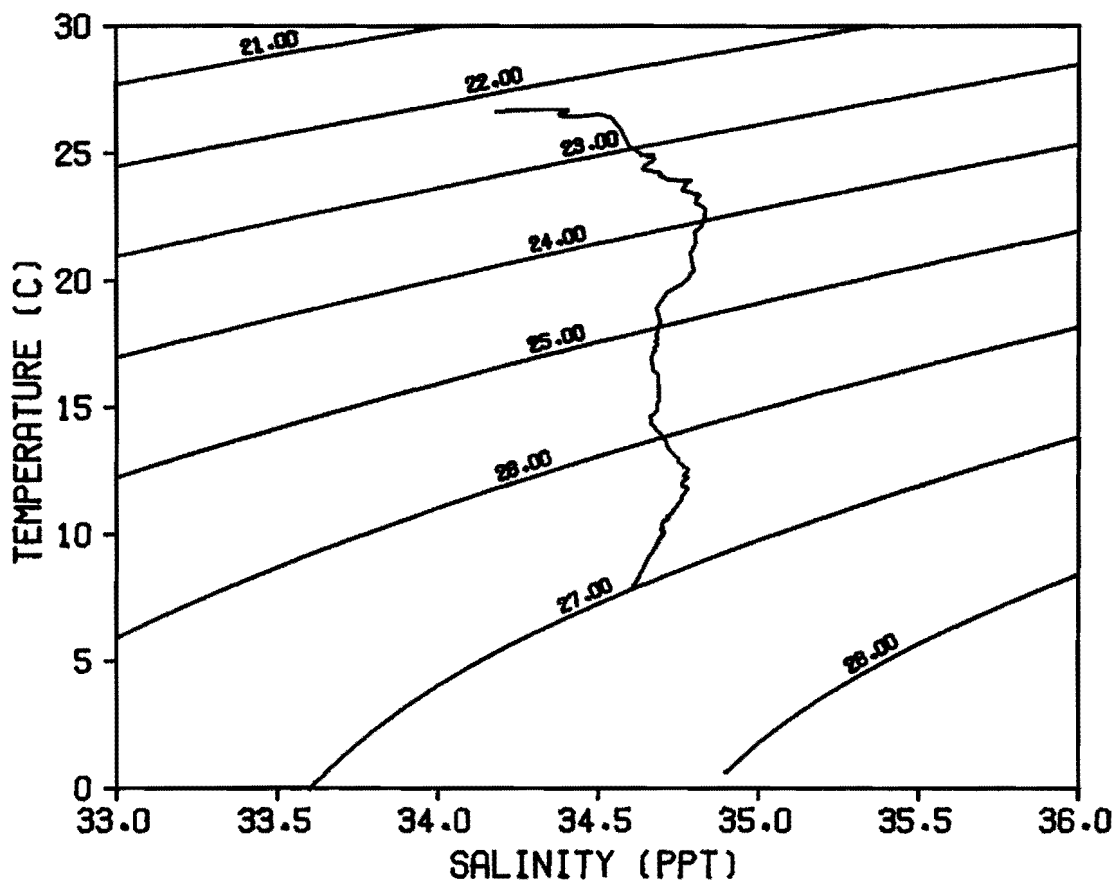


CAST EP2-79-DI-099 DATE 15 FEB 79 TIME 0608 GMT
 LAT 05 15.5N LONG 110 00.3W WEATHER 6 SEA STATE 3
 BAROMETER 12 WIND DIR 120 T SPD 16 KT VISIBILITY 6
 CLOUD 7 AMOUNT 8 DRY 24.9 WET 24.1 DEPTH 3240 M

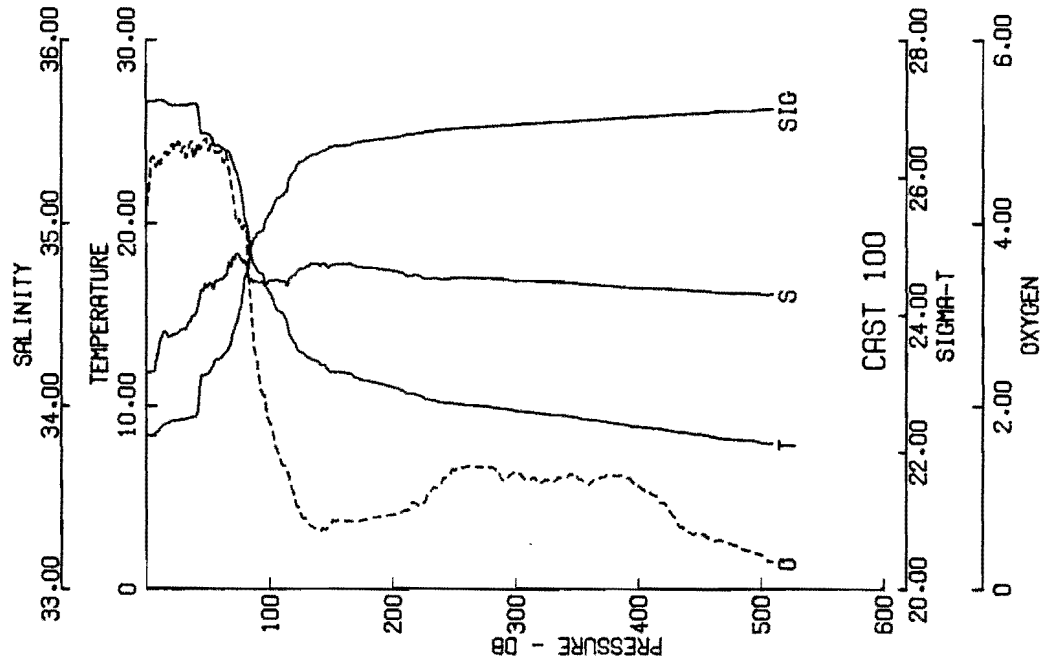
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
1	26.762	34.415	4.53	22.372	.000
10	26.760	34.414	4.61	22.372	.055
20	26.765	34.412	4.85	22.369	.110
30	26.719	34.428	5.01	22.337	.164
40	26.497	34.484	5.10	22.293	.215
50	24.738	34.711	4.98	22.259	.263
60	24.323	34.729	4.71	23.259	.309
70	23.241	34.841	4.30	23.762	.353
80	22.761	34.872	4.01	23.994	.394
90	19.761	34.772	3.57	24.668	.431
100	17.883	34.694	2.77	25.084	.462
110	14.847	34.715	2.63	25.842	.488
120	13.347	34.715	1.05	26.257	.509
130	12.828	34.760	1.77	26.323	.527
140	12.508	34.744	.65	26.397	.545
150	11.675	34.715	.91	26.447	.562
160	11.558	34.720	.88	26.477	.579
170	11.279	34.721	.86	26.527	.611
180	11.079	34.709	.88	26.562	.626
190	10.884	34.694	.94	26.588	.641
200	10.183	34.681	1.20	26.700	.714
250	9.515	34.696	1.38	26.762	.783
300	8.811	34.681	1.33	26.804	.850
400	8.141	34.664	1.14	26.849	.915
500	8.357	34.630	.57	26.944	.970
511	8.257	34.625	.55	26.960	1.040



CAST EP2-79-DI-100 DATE 15 FEB 79 TIME 0750 GMT
LAT 05 29.6N LONG 109 58.8W

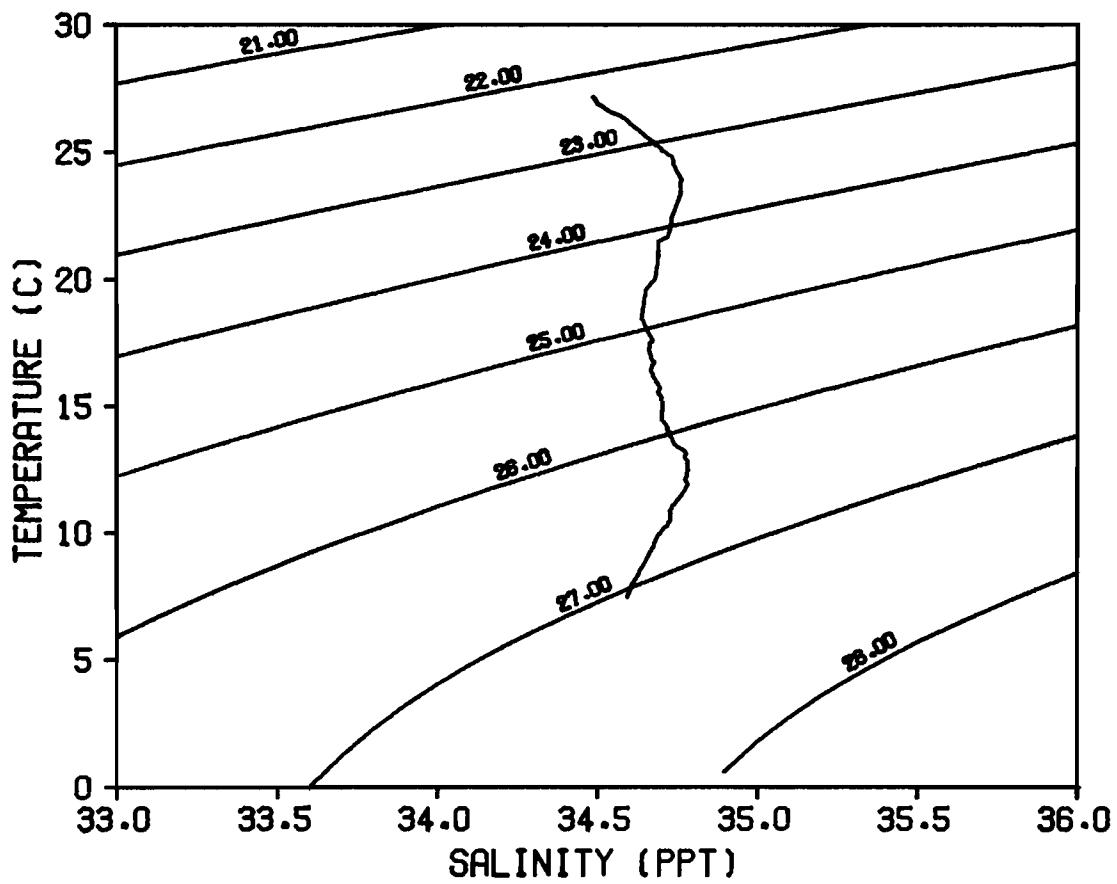


CAST EP2-79-D1-100 DATE 15 FEB 79 TIME 0750 GMT
 LAT 05 29.6N LONG 109 58.8W SEA STATE 3
 BAROMETER 13 WIND DIR 135 KT SPD 13 VISIBILITY 6
 CLOUD 7 AMOUNT 8 DRY 24.0 WET 24.0 DEPTH 3955 M

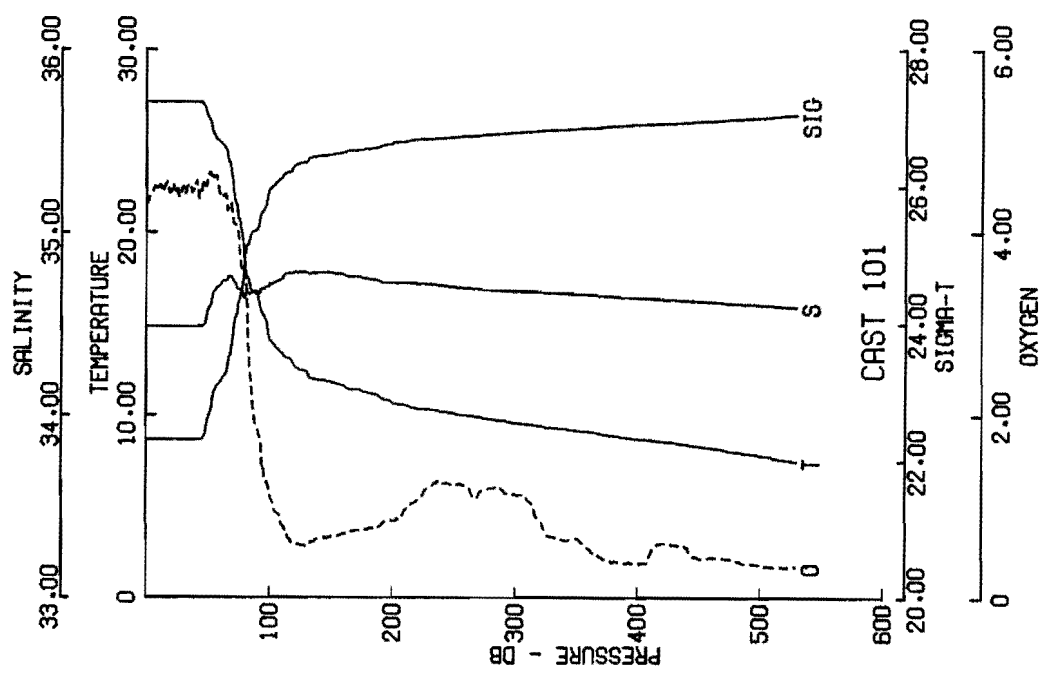


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T (DYN-M)	DELTA-M
0	26.639	34.176	4.19	23.231	.000
10	26.543	34.161	4.170	23.234	.056
20	26.4717	34.382	4.81	22.298	.111
30	26.4475	34.420	4.83	22.472	.165
40	26.4542	34.505	4.74	22.506	.218
50	26.4871	34.652	4.85	22.537	.268
60	26.5227	34.819	4.78	22.561	.314
70	26.5388	34.818	4.34	23.710	.359
80	26.5454	34.799	3.98	24.523	.429
90	26.554	34.684	2.52	25.181	.456
100	26.5730	34.688	1.82	25.4725	.480
110	26.5781	34.717	1.39	26.093	.502
120	26.588	34.765	.74	26.290	.520
130	26.613	34.775	.64	26.353	.538
140	26.688	34.769	.71	26.449	.554
150	26.829	34.780	.74	26.469	.571
160	26.829	34.768	.77	26.508	.587
170	26.832	34.760	.77	26.537	.602
180	26.832	34.753	.79	26.560	.618
190	26.832	34.743	.81	26.584	.633
200	26.832	34.701	1.30	26.711	.673
250	26.832	34.6875	1.29	26.771	.713
300	26.832	34.6875	1.24	26.820	.840
350	26.832	34.6533	1.13	26.883	.904
400	26.832	34.633	1.00	26.936	.966
450	26.832	34.616	.98	26.989	1.025
500	26.832	34.616	.98	26.997	1.025
509	26.832	34.616	.98	26.997	1.025

CAST EP2-79-DI-101 DATE 15 FEB 79 TIME 1055 GMT
LAT 05 59. N LONG 109 55.5W

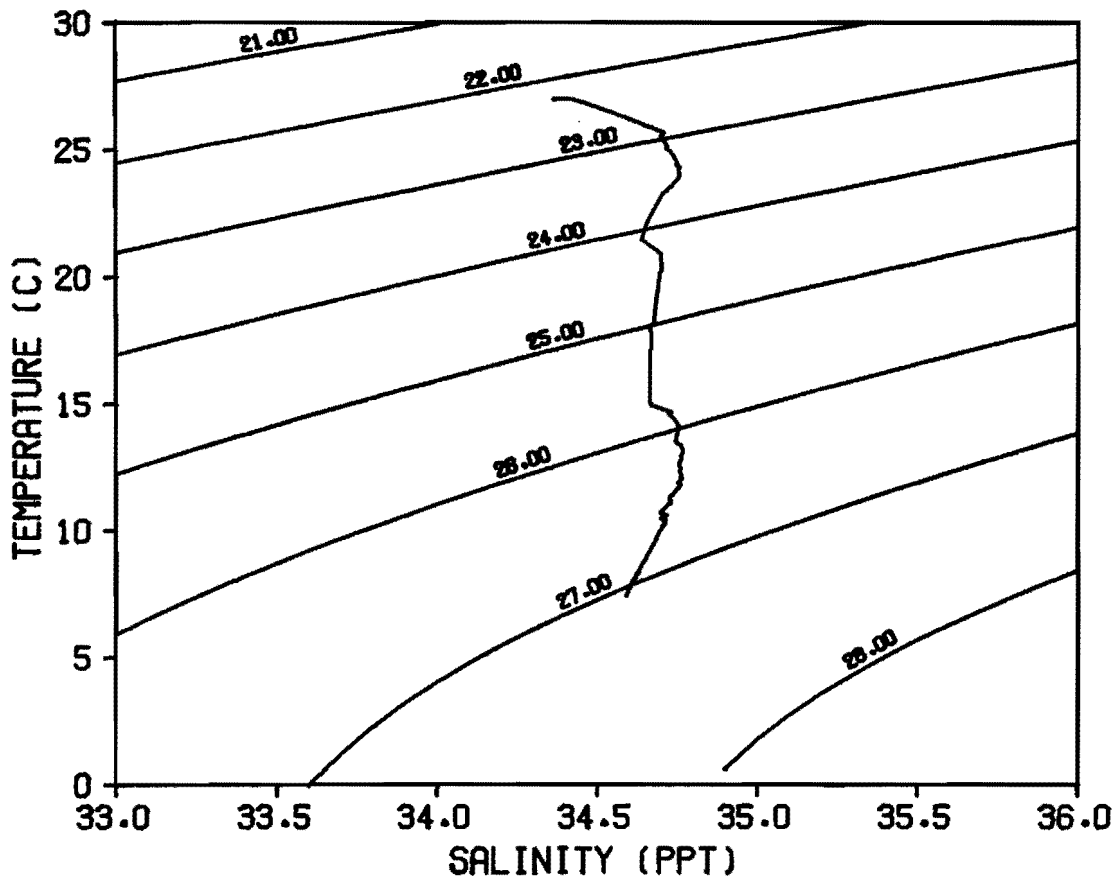


CAST 05 E22-79-DI-101 DATE 15 FEB 79 TIME 1055 GMT
 LAT 05 59. N LONG 109 55.5W WEATHER 2 SEA STATE 4
 BAROMETER 09 WIND DIR 070 T SPD 21 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 26.7 WET 24.4 DEPTH 3641 M



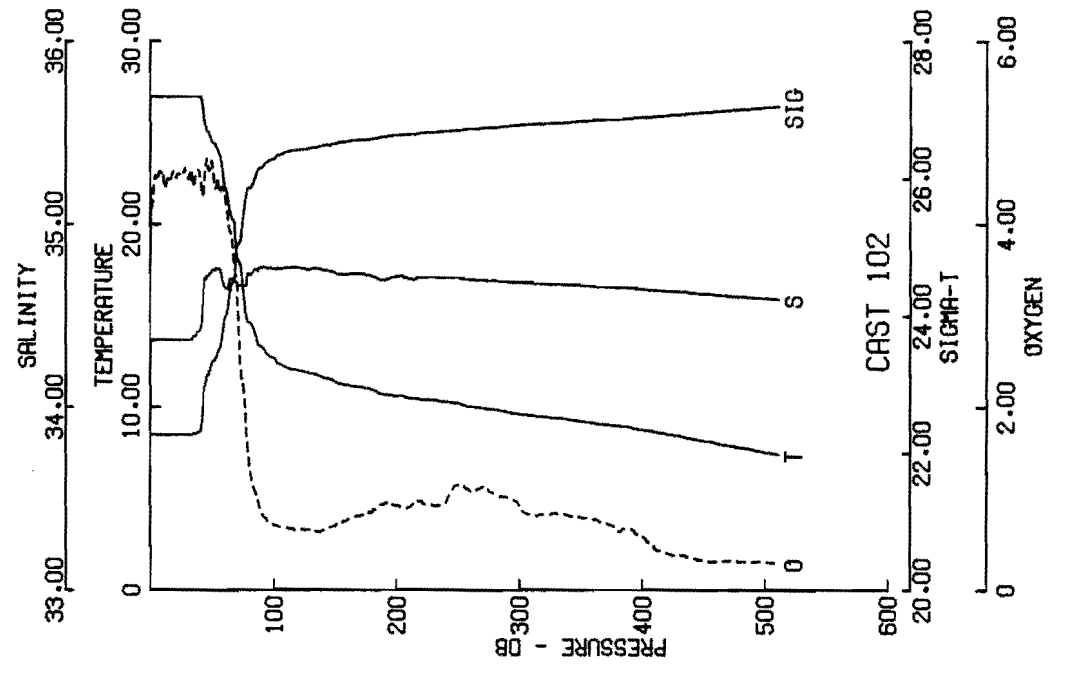
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	27.129	34.489	4.28	22.311	.000
1	27.130	34.489	4.31	22.310	.055
10	27.133	34.490	4.44	22.310	.111
20	27.136	34.490	4.44	22.310	.166
30	27.136	34.490	4.51	22.310	.222
40	26.980	34.574	4.58	22.310	.277
50	26.943	34.571	4.43	22.310	.326
60	26.943	34.571	4.21	22.310	.372
70	18.672	34.639	4.21	22.310	.408
80	18.633	34.639	4.55	22.310	.436
90	18.633	34.639	4.55	22.310	.436
100	18.633	34.639	4.55	22.310	.436
110	18.633	34.639	4.55	22.310	.436
120	18.633	34.639	4.55	22.310	.436
130	18.633	34.639	4.55	22.310	.436
140	18.633	34.639	4.55	22.310	.436
150	18.633	34.639	4.55	22.310	.436
160	18.633	34.639	4.55	22.310	.436
170	18.633	34.639	4.55	22.310	.436
180	18.633	34.639	4.55	22.310	.436
190	18.633	34.639	4.55	22.310	.436
200	18.633	34.639	4.55	22.310	.436
250	18.633	34.639	4.55	22.310	.436
300	18.633	34.639	4.55	22.310	.436
350	18.633	34.639	4.55	22.310	.436
400	18.633	34.639	4.55	22.310	.436
450	18.633	34.639	4.55	22.310	.436
500	18.633	34.639	4.55	22.310	.436
529	18.633	34.639	4.55	22.310	.436

CAST EP2-79-DI-102 DATE 15 FEB 79 TIME 1424 GMT
LAT 06 31.0N LONG 109 59.2W

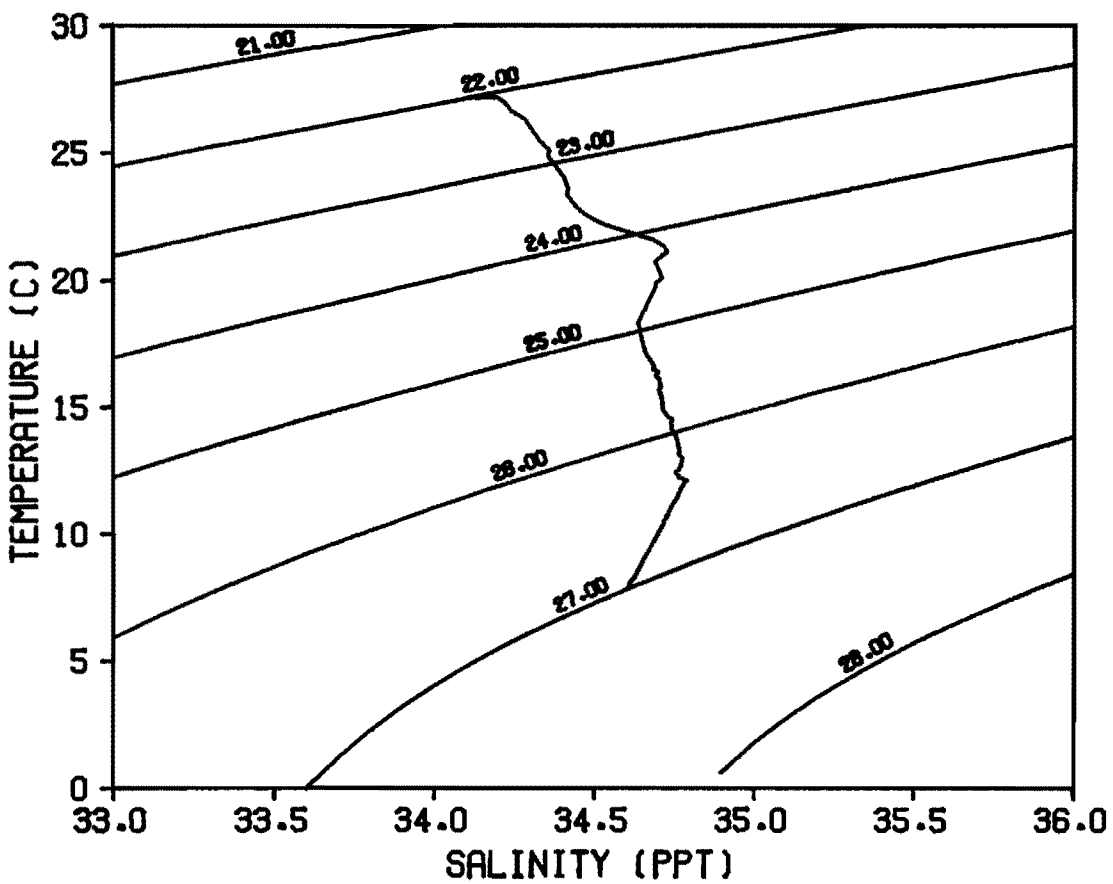


CAST EP2-79-DI-102 DATE 15 FEB 79 TIME 1424 GMT
 LAT 06 31 N LONG 109 59 24 W WEATHER 2 SEA STATE 3
 BAROMETER 10.0 WIND DIR 070 Y SPD 17 KT VISIBILITY 7
 CLOUD 7 AMOUNT 7 WET 27.0 MET 24.6 DEPTH

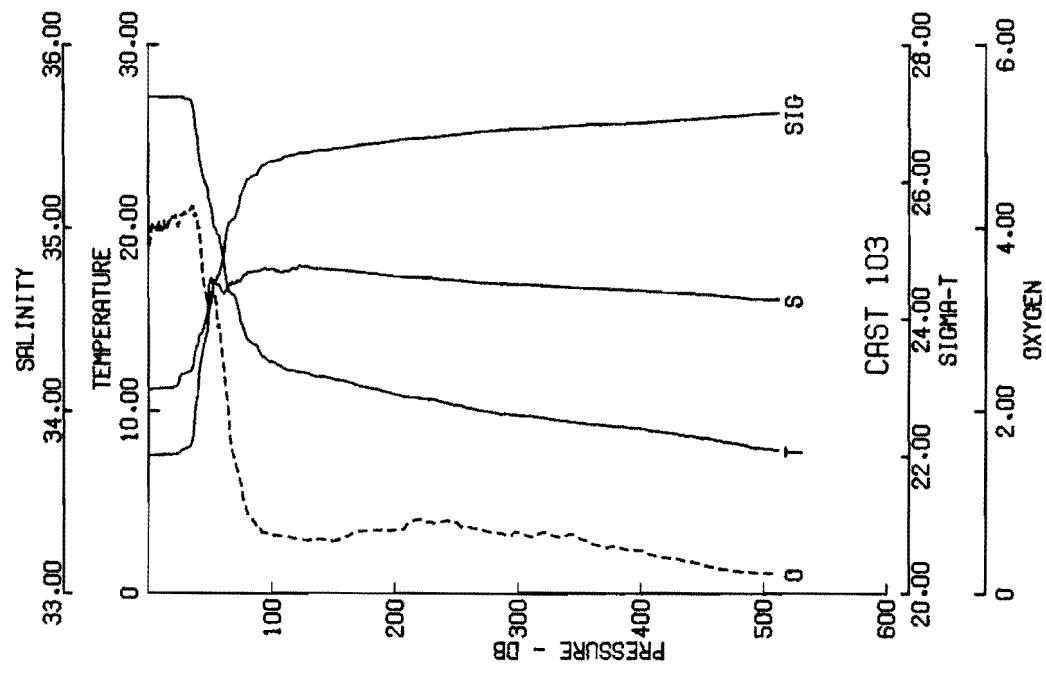
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	26.979	34.364	4.18	22.264	.000
10	26.984	34.371	4.58	22.266	.056
20	26.990	34.379	4.55	22.266	.112
30	26.992	34.370	4.51	22.265	.167
40	26.981	34.417	4.54	22.263	.223
50	26.950	34.748	4.69	22.253	.273
60	22.134	34.678	4.40	22.249	.317
70	18.181	34.678	3.39	22.249	.354
80	14.662	34.733	1.44	22.261	.380
90	13.370	34.762	1.86	22.266	.408
100	12.195	34.759	.72	22.266	.435
110	12.006	34.763	.69	22.266	.452
120	11.836	34.757	.65	22.266	.466
130	11.628	34.751	.65	22.266	.484
140	11.399	34.735	.70	22.265	.500
150	11.194	34.720	.77	22.265	.516
160	11.006	34.717	.81	22.265	.531
170	10.947	34.717	.85	22.265	.546
180	10.885	34.700	.92	22.265	.562
190	10.810	34.711	1.15	22.266	.576
200	10.621	34.685	1.92	22.266	.591
250	9.617	34.648	.79	22.266	.615
300	8.575	34.608	.58	22.266	.644
350	8.163	34.622	.32	22.266	.671
400	7.546	34.591	.31	22.266	.694
450	7.416		.30	22.266	.715
500				22.266	.781
511				27.058	.961



CAST EP2-79-DI-103 DATE 15 FEB 79 TIME 1225 GMT
LAT 06 59.6N LONG 109 58.3W

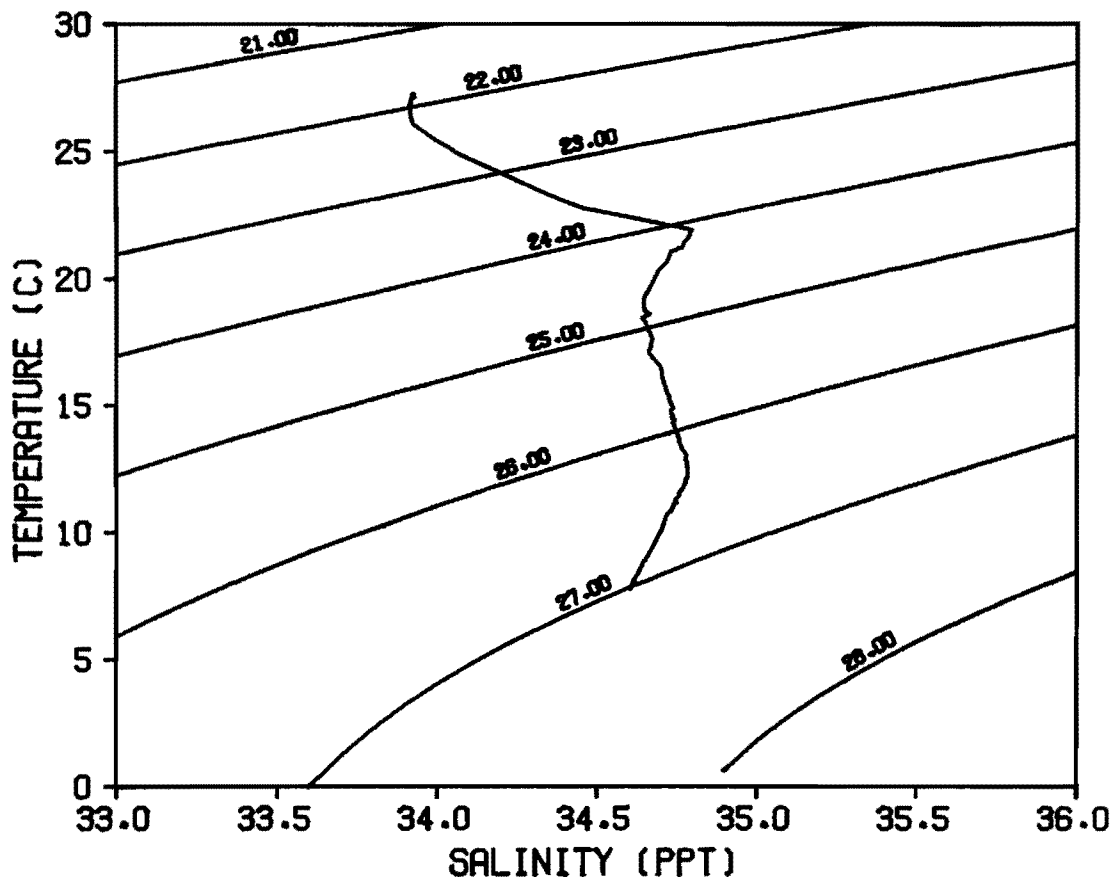


CAST EP2-79-01-103 DATE 15 FEB 79 TIME 1225 GMT
 LAT 06 59.6N LONG 109 58.3W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 070T SPD 05 KT VISIBILITY 7
 CLOUD 6 AMOUNT 6 MET 24.9 WET 24.9 DEPTH 3500 M



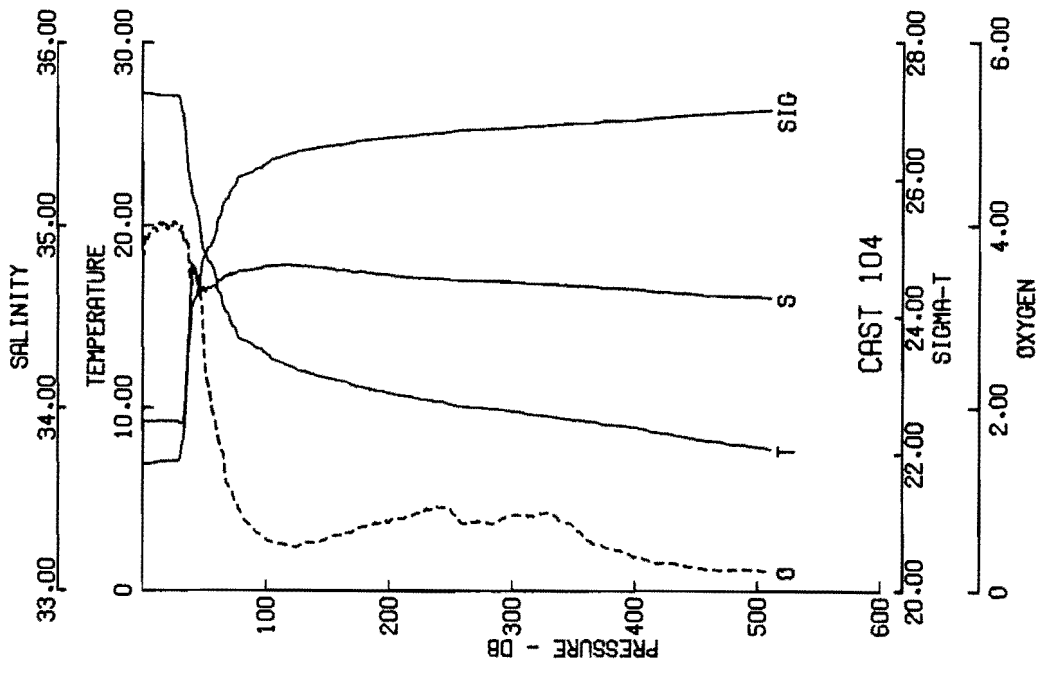
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	27.179	34.113	3.86	22.013	.000
10	27.170	34.129	3.97	22.012	.058
20	27.162	34.129	4.11	22.030	.176
30	27.1079	34.209	4.16	22.116	.270
40	27.0840	34.357	4.00	22.1933	.272
50	27.0553	34.715	3.21	24.199	.306
60	18.6418	34.696	2.58	24.663	.333
70	16.228	34.757	1.91	25.479	.376
80	13.947	34.768	.70	26.185	.393
90	13.226	34.775	.64	26.302	.411
100	12.6717	34.776	.63	26.364	.428
110	12.310	34.779	.60	26.406	.444
120	12.020	34.785	.59	26.437	.460
130	11.871	34.779	.57	26.464	.476
140	11.722	34.773	.52	26.484	.492
150	11.600	34.767	.67	26.502	.508
160	11.389	34.760	.67	26.536	.523
170	11.237	34.7522	.69	26.579	.538
180	11.081	34.743	.70	26.607	.553
190	10.907	34.738	.78	26.692	.626
200	10.326	34.715	.67	26.772	.761
300	9.324	34.692	.61	26.828	.867
400	9.026	34.659	.67	26.866	.887
500	8.504	34.609	.31	26.999	.947
512	7.844	34.610	.23	27.011	

CAST EP2-79-DI-104 DATE 15 FEB 79 TIME 2038 GMT
LAT 07 30.0N LONG 110 00.0W

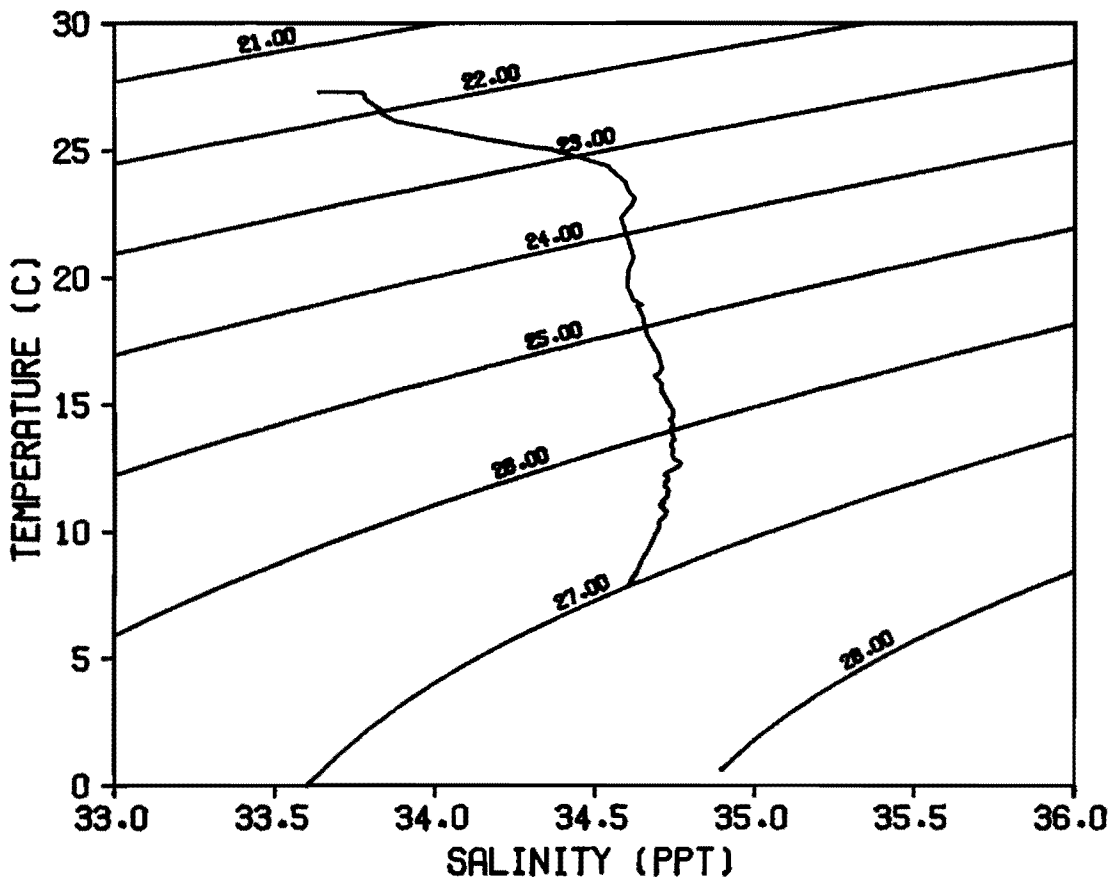


CAST EP2-79-DI-104 DATE 15 FEB 79 TIME 2038 GMT
 LAT 07 30 ON LONG 110 00.0W WEA IHER 1 VSEA STATE 3
 BAROMETER 11 WIND DIR 020.1 SPD 17 KT VLSIBLITY 7
 CLOUD 9 AMOUNT 3 DRY 29.1 WET 25.4 DEPTH 3685 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	27.250	33.923	3.69	21.847	.000
1	27.250	33.923	3.69	21.848	.060
10	27.174	33.927	3.97	21.874	.119
20	27.119	33.928	3.98	21.893	.179
30	27.024	33.919	3.94	21.911	.229
40	27.053	34.796	4.15	21.911	.264
50	18.617	34.666	2.66	24.880	.293
60	15.061	34.730	1.78	25.759	.318
70	13.472	34.755	1.85	26.024	.339
80	13.472	34.769	.56	26.123	.358
90	12.523	34.779	.21	26.522	.377
100	12.292	34.783	.49	26.584	.392
110	12.038	34.772	.52	26.528	.428
120	11.841	34.772	.53	26.428	.445
130	11.667	34.766	.58	26.468	.461
140	11.510	34.747	.61	26.511	.476
150	11.270	34.747	.64	26.574	.492
160	11.123	34.738	.70	26.574	.507
170	10.956	34.732	.74	26.298	.522
180	10.830	34.706	.75	26.610	.537
190	10.830	34.673	.90	26.702	.539
200	9.363	34.673	.82	26.823	.576
250	8.974	34.655	.37	26.872	.745
300	8.334	34.627	.26	26.950	.809
350	7.897	34.612	.22	26.950	.871
400	7.763	34.606		27.019	.929
450					
500					
511					

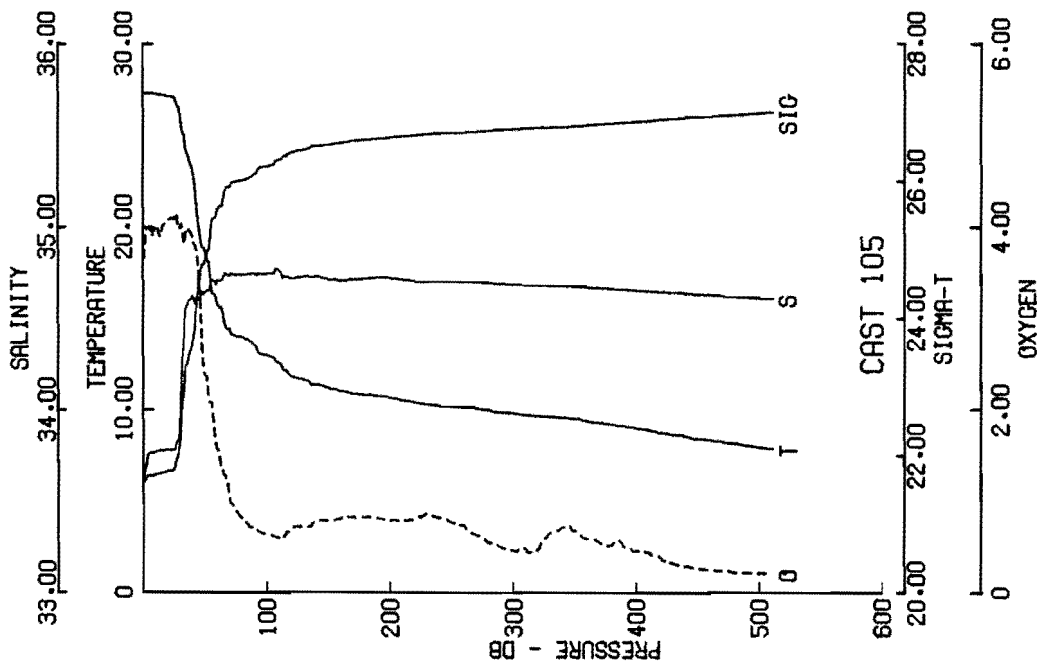


CAST EP2-79-DI-105 DATE 15 FEB 79 TIME 2355 GMT
LAT 07 58.4N LONG 109 59.8W

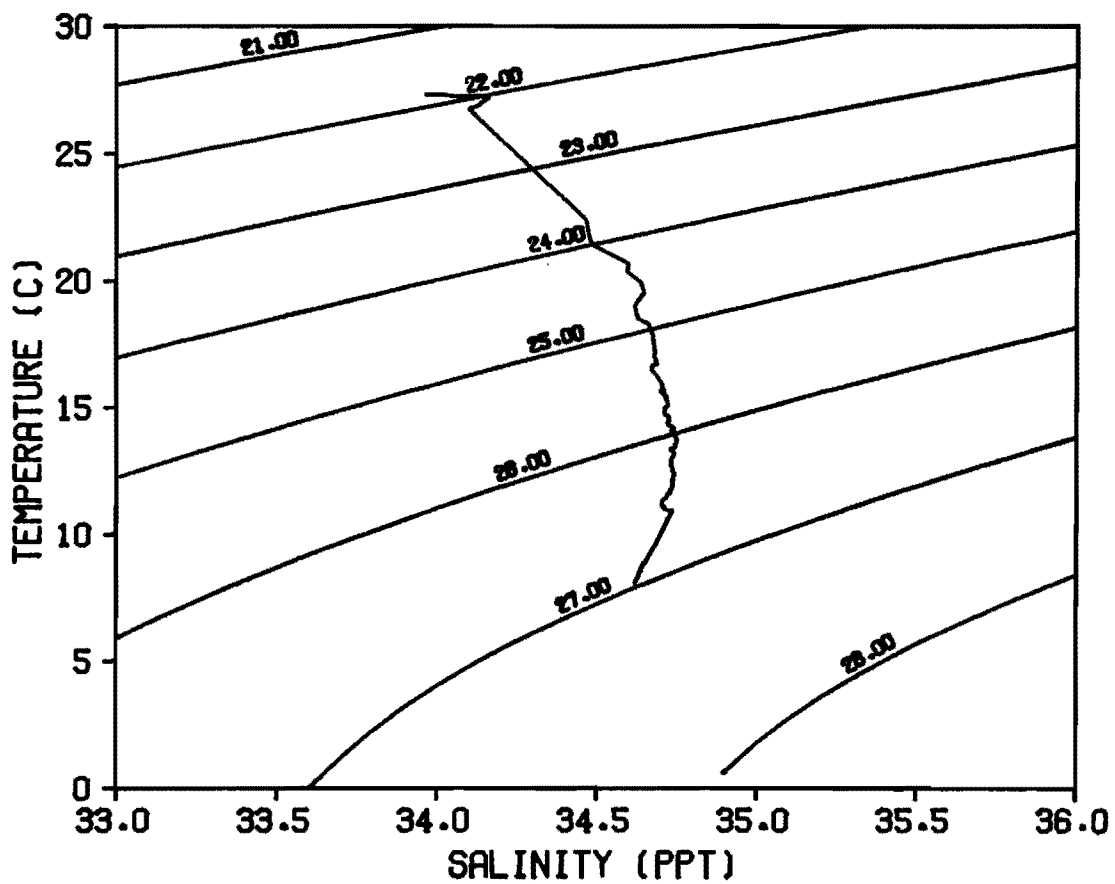


CAST EP2-79-DI-105 DATE 15 FEB 79 TIME 2355 GMT
 LAT 07 58.4N LONG 109 59.8W WEATHER 1 SEA STATE 4
 BAROMETER 09 WIND DIR 075 T SPD 18 KT VISIB 18
 CLOUD 8 AMOUNT 3 DRY 28.5 WET 25.0 DEPTH 3416 M

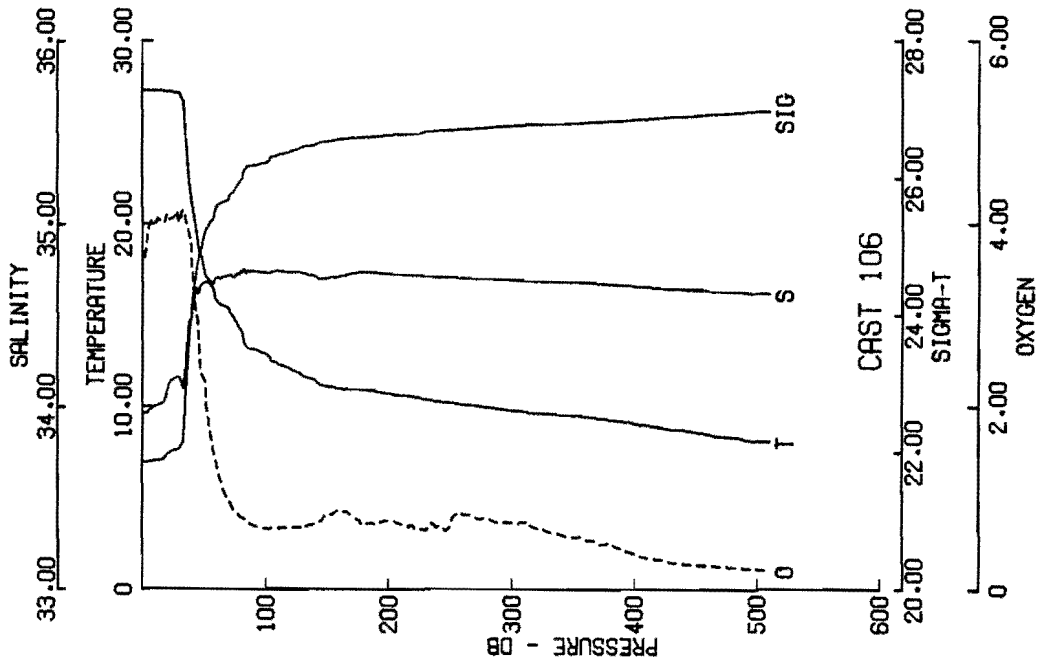
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	27.311	33.636	3.77	21.611	.000
1	27.313	33.637	3.99	21.612	.061
10	27.288	33.768	3.06	21.718	.122
20	27.150	33.780	4.07	22.106	.229
30	26.137	33.879	3.87	23.043	.266
40	23.087	34.639	2.58	24.831	.293
50	18.731	34.711	1.04	25.911	.316
60	15.815	34.734	.82	26.009	.336
70	14.411	34.745	.71	26.214	.355
80	13.982	34.745	.69	26.424	.426
90	13.560	34.765	.73	26.467	.457
100	12.991	34.721	.79	26.534	.473
110	12.572	34.730	.81	26.562	.488
120	11.825	34.729	.83	26.607	.503
130	11.645	34.714	.80	26.623	.518
140	11.359	34.702	.77	26.637	.532
150	11.207	34.687	.68	26.709	.603
160	11.029	34.677	.68	26.759	.676
170	10.885	34.671	.46	26.802	.739
180	10.820	34.718	.46	26.866	.804
190	10.755	34.724	.22	26.942	.866
200	10.665	34.721	.21	27.004	.926
250	10.180				
300	9.511				
350	9.006				
400	8.414				
450	7.968				
500	7.883				
511					



CAST EP2-79-DI-106 DATE 16 FEB 79 TIME 0314 GMT
LAT 08 29.9N LONG 110 00.9W

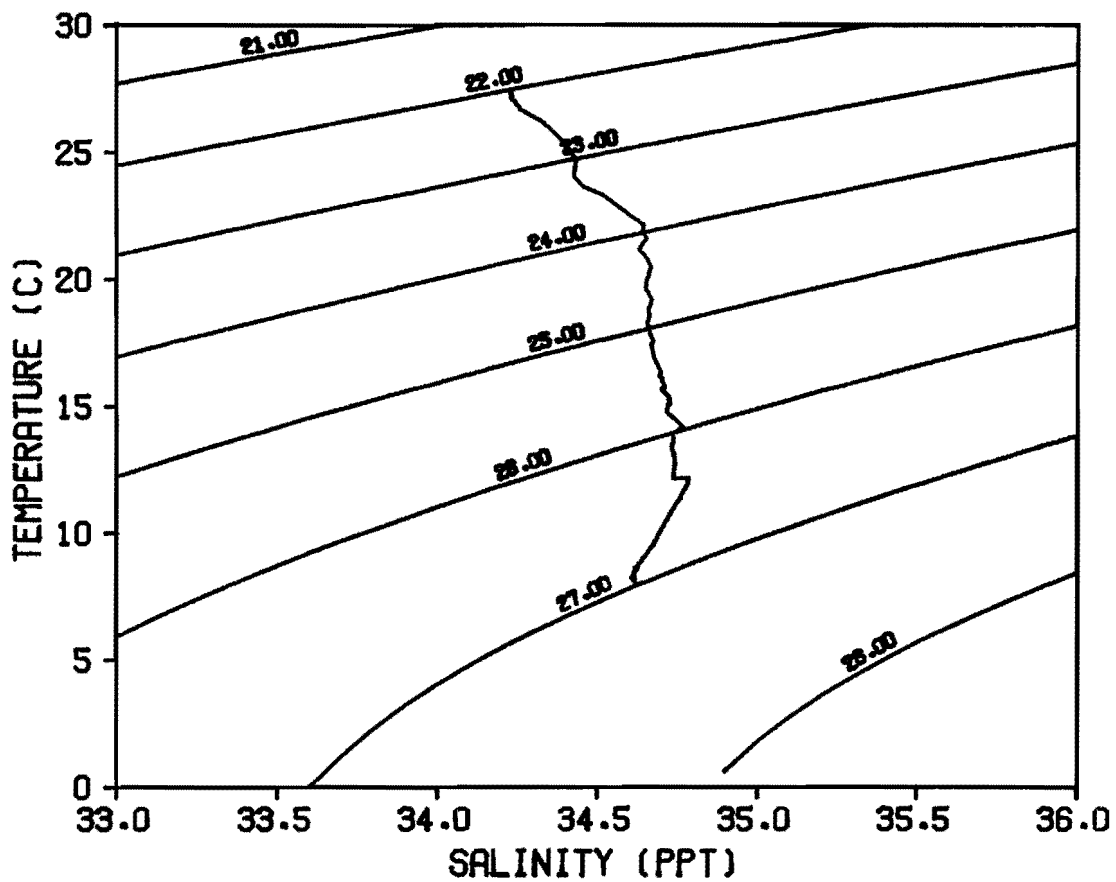


CAST EP2-79-DI-106 DATE 16 FEB 79 TIME 0314 GMT
 LAT 08 29.9N LONG 110 00.9W WEATHER 1 SEA STATE 4
 BAROMETER 11 WIND DIR 18 KT VISIBILITY 7
 CLOUD 8 AMOUNT 4 WET DRY 27.2 WET 24.9 DEPTH 3622 M



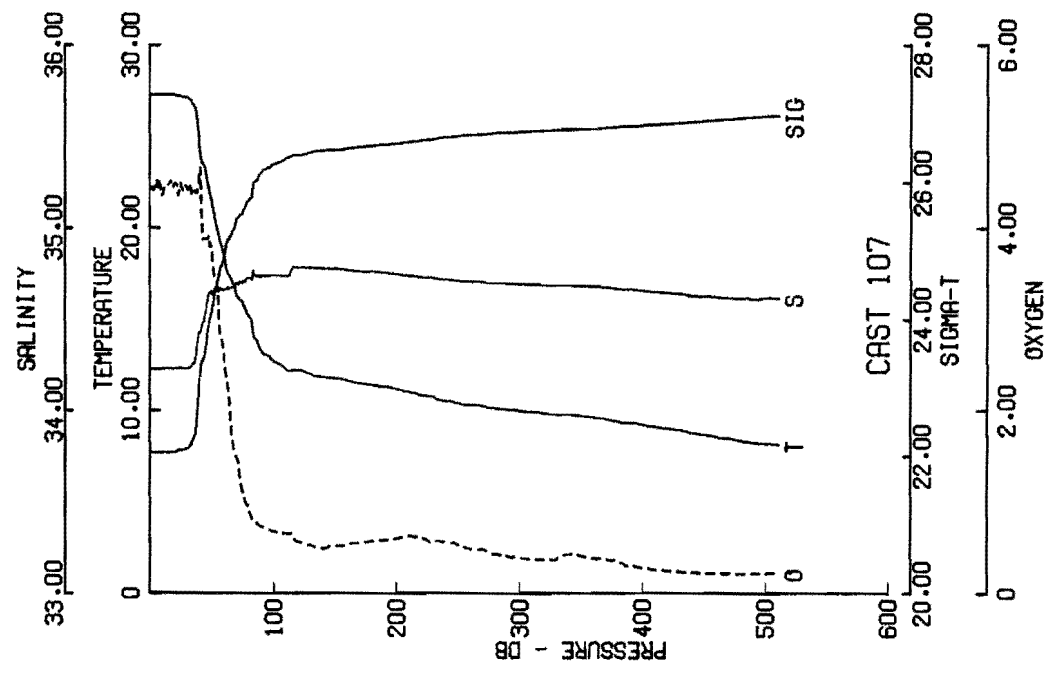
PRES (DB)	TEMP (C)	SAL (PPT)	DTX (ML/L)	SIG-T	DELTA-M (DYN-M)
0	27.315	33.953	3.51	21.848	.000
10	27.317	33.964	3.64	21.884	.060
20	27.319	34.002	4.01	21.884	.179
30	27.247	34.071	4.11	21.904	.227
40	27.147	34.159	3.53	22.015	.260
50	21.388	34.479	2.39	25.164	.310
60	17.505	34.679	1.97	25.582	.322
70	15.346	34.716	.79	25.906	.351
80	13.186	34.743	.67	26.189	.369
90	12.917	34.741	.67	26.345	.404
100	12.326	34.731	.69	26.391	.421
110	12.059	34.736	.69	26.468	.452
120	11.656	34.731	.72	26.541	.467
130	11.467	34.717	.80	26.573	.482
140	11.125	34.704	.82	26.604	.497
150	10.996	34.716	.82	26.619	.512
160	10.957	34.730	.72	26.629	.539
170	10.919	34.738	.76	26.703	.567
180	10.840	34.734	.73	26.801	.667
190	10.746	34.729	.57	26.855	.734
200	10.643	34.711	.39	26.911	.800
250	9.813	34.693	.27	26.978	.862
300	9.538	34.661	.23	26.978	.923
350	9.108	34.639	.22	26.978	.923
400	8.644	34.621	.22	26.978	.923
450	8.135	34.621	.22	26.978	.923
500	8.116	34.620	.22	26.978	.923
510					

CAST EP2-79-DI-107 DATE 16 FEB 79 TIME 0504 GMT
LAT 08 44.9N LONG 110 00.9W

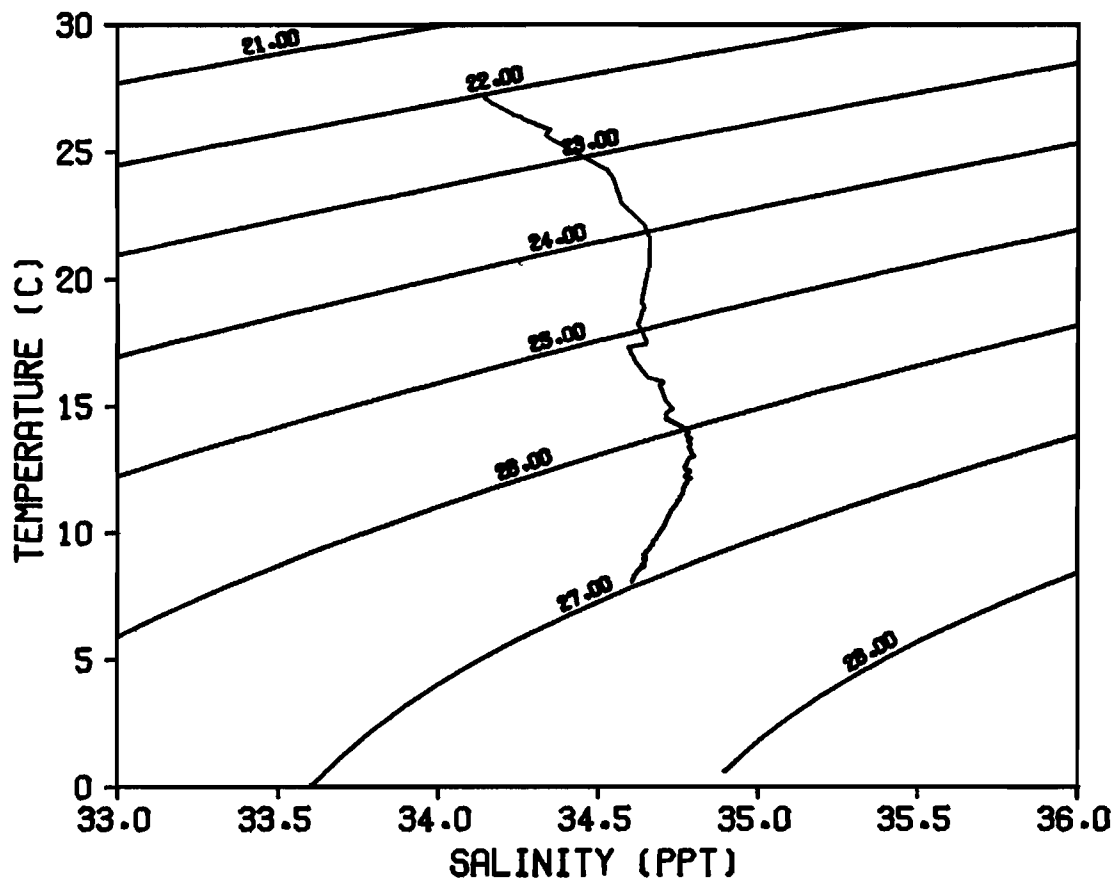


CAST EP2-79-DI-107 DATE 16 FEB 79 TIME 0504 GMT
 LAT 08 44.9N LONG 110 00.9W WEATHER 1 SEA STATE 3
 BAROMETER 12.1 WIND DIR 070.1 SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 26.7 WET 24.3 DEPTH 3742 M

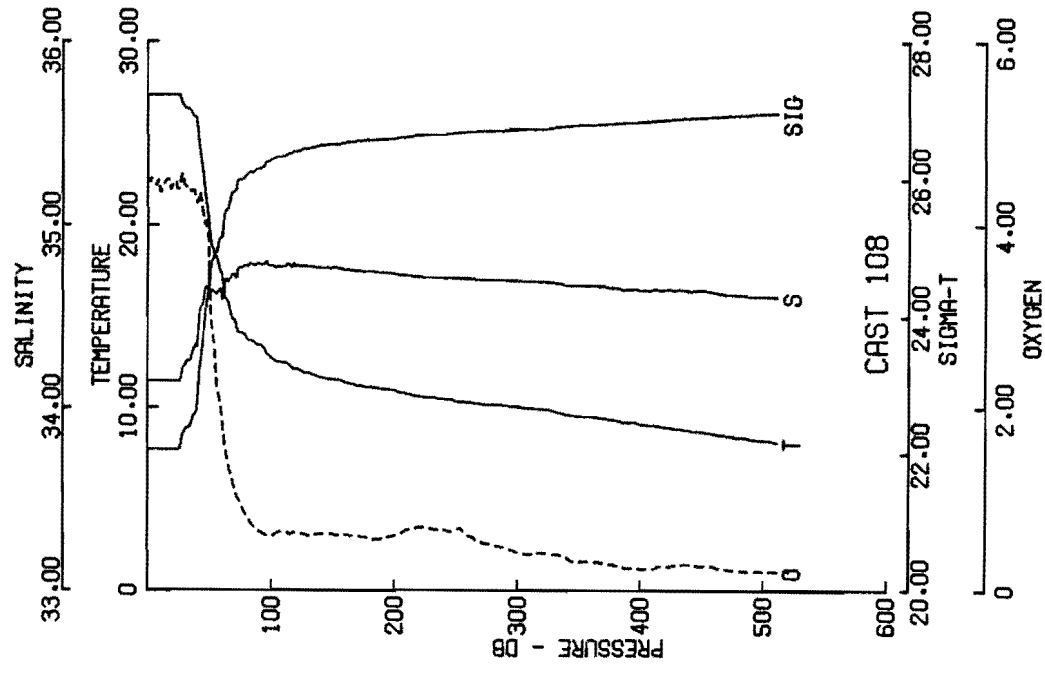
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	27.313	34.229	4.42	22.056	.000
10	27.315	34.229	4.45	22.056	.058
20	27.317	34.231	4.35	22.056	.116
30	27.290	34.231	4.44	22.056	.173
40	27.157	34.434	4.63	22.056	.228
50	24.607	34.663	3.81	22.083	.306
60	18.534	34.700	2.60	22.457	.334
70	15.241	34.724	1.95	22.613	.358
80	13.345	34.733	.73	22.613	.379
90	12.726	34.739	.68	22.613	.398
100	12.286	34.785	.53	22.650	.412
110	12.001	34.784	.53	22.650	.449
120	11.831	34.779	.49	22.650	.465
130	11.765	34.777	.52	22.650	.481
140	11.638	34.770	.52	22.650	.497
150	11.490	34.762	.57	22.650	.512
160	11.396	34.756	.58	22.650	.528
170	11.281	34.747	.58	22.650	.543
180	11.165	34.741	.53	22.650	.559
190	11.096	34.682	.39	22.650	.602
200	9.977	34.687	.41	22.650	.702
250	9.216	34.657	.28	22.650	.777
300	8.698	34.627	.22	22.650	.837
350	8.175	34.616	.22	22.650	.901
400	8.134	34.616	.22	22.650	.962
450					
500					
511					



CAST EP2-79-01-108 DATE 16 FEB 79 TIME 0710 GMT
LAT 08 59.8N LONG 110 01.8W

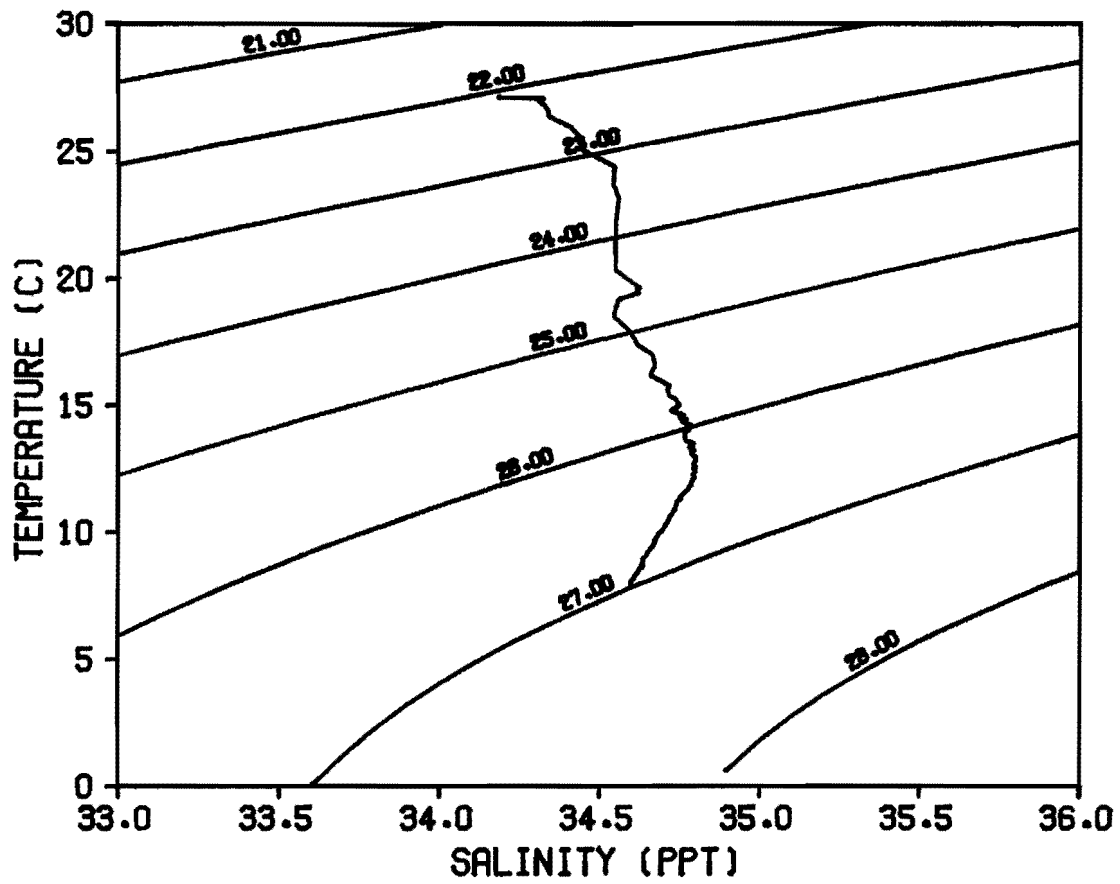


CAST 162-79-DI-108 DATE 16 FEB 79 TIME 0710 GMT
 LAT 08 59.8N LONG 110 01.8W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 060 T SPD 16 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 26.9 WET 24.8 DEPTH 3894 M



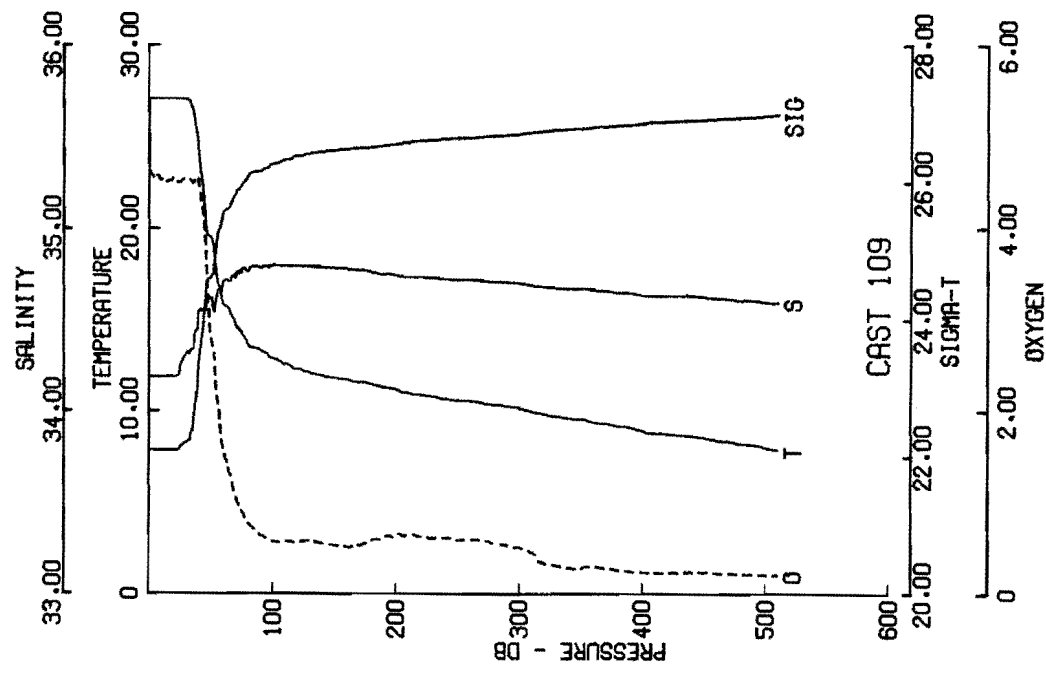
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	27.108	34.146	4.51	22.059	.000
1	27.106	34.146	4.48	22.060	.058
10	27.114	34.146	4.38	22.058	.116
20	27.117	34.146	4.38	22.057	.173
30	26.454	34.235	4.44	22.332	.227
40	25.635	34.335	4.44	22.654	.269
50	19.817	34.649	3.91	24.560	.300
60	17.317	34.593	1.91	25.144	.324
70	14.803	34.726	1.12	25.821	.344
80	13.858	34.778	.82	26.063	.364
90	13.450	34.789	.65	26.156	.382
100	12.756	34.775	.62	26.288	.399
110	12.488	34.775	.63	26.437	.416
120	12.146	34.775	.60	26.498	.433
130	11.621	34.769	.62	26.495	.449
140	11.544	34.769	.62	26.512	.464
150	11.379	34.756	.61	26.535	.480
160	11.197	34.748	.60	26.562	.495
170	11.118	34.745	.57	26.574	.511
180	11.033	34.740	.57	26.596	.526
190	10.932	34.737	.60	26.594	.541
200	10.862	34.710	.66	26.582	.613
250	10.047	34.673	.42	26.726	.684
300	9.537	34.645	.31	26.794	.752
400	8.106	34.645	.27	26.908	.818
450	8.622	34.613	.27	26.957	.842
500	8.220	34.613	.21	26.977	.842
511	8.113	34.609	.21	26.970	.842

CAST EP2-79-DI-109 DATE 16 FEB 79 TIME 0849 GMT
LAT 09 15.0N LONG 110 00.0W

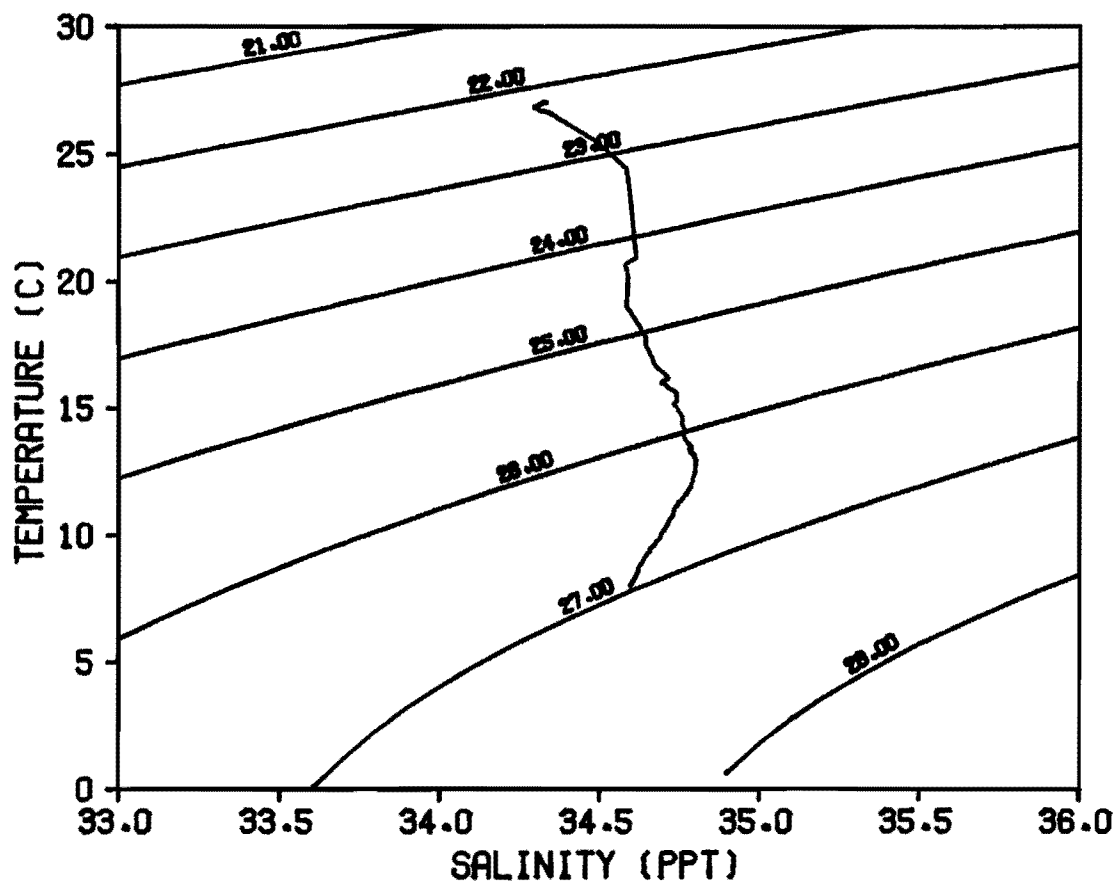


CAST EP2-79-DI-109 DATE 16 FEB 79 TIME 0849 GMT
 LAT 09 15 0N LONG 110 00 0W WEATHER 1 SEA STATE 7
 BAROMETER 11 WIND DIR 075 T SPD 14 KT VISIBILITY 3
 CLOUD 8 AMOUNT 2 DRY 26.7 WET 24.5 DEPTH 3479 M

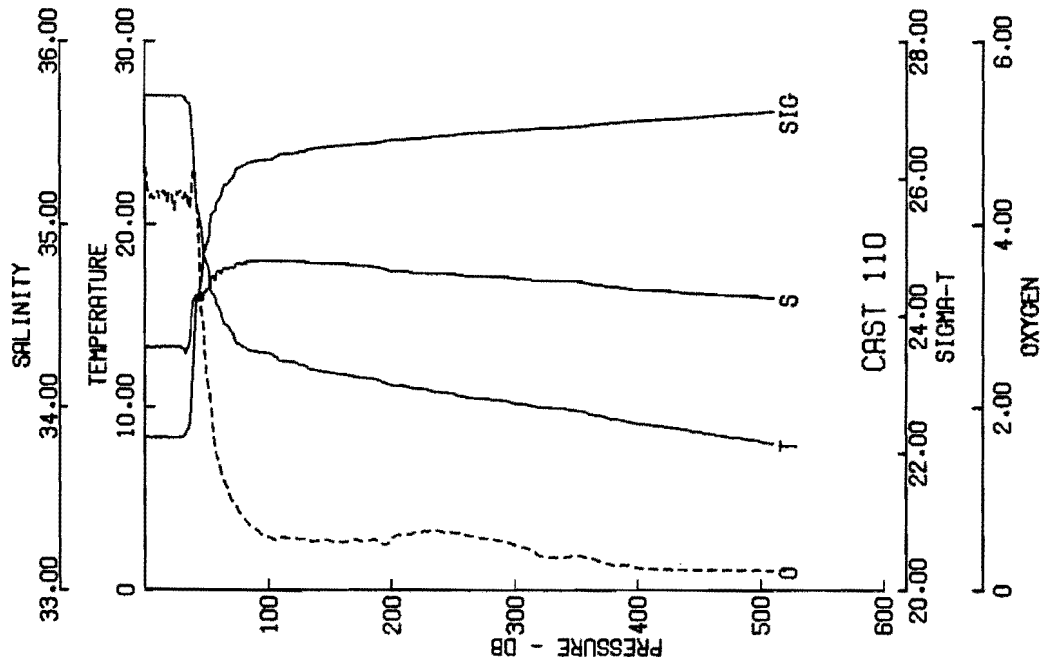
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M
0	27.088	34.185	4.62	22.096	.000
10	27.098	34.186	4.63	22.096	.057
20	27.104	34.187	4.55	22.093	.112
30	27.104	34.308	4.52	22.091	.229
40	27.369	34.545	4.52	23.208	.317
50	19.508	34.704	2.82	24.014	.338
60	15.875	34.726	1.60	25.829	.357
70	14.766	34.787	1.1	26.082	.393
80	13.371	34.801	.68	26.170	.410
90	12.902	34.800	.57	26.240	.426
100	12.504	34.795	.55	26.420	.459
110	12.113	34.789	.53	26.473	.475
120	11.963	34.786	.53	26.509	.508
130	11.832	34.781	.58	26.544	.537
140	11.720	34.773	.59	26.551	.611
150	11.586	34.764	.51	26.700	.751
160	11.509	34.751	.24	26.790	.817
170	11.309	34.747	.24	26.863	.879
180	11.200	34.721	.21	26.916	.939
190	11.085	34.702			
200	10.964	34.674			
250	9.953	34.640			
300	8.568	34.629			
350	8.012	34.600			
400	7.881	34.596			
450					
500					
510					



CAST EP2-79-DI-110 DATE 16 FEB 79 TIME 1033 GMT
LAT 09 30.0N LONG 109 59.7W

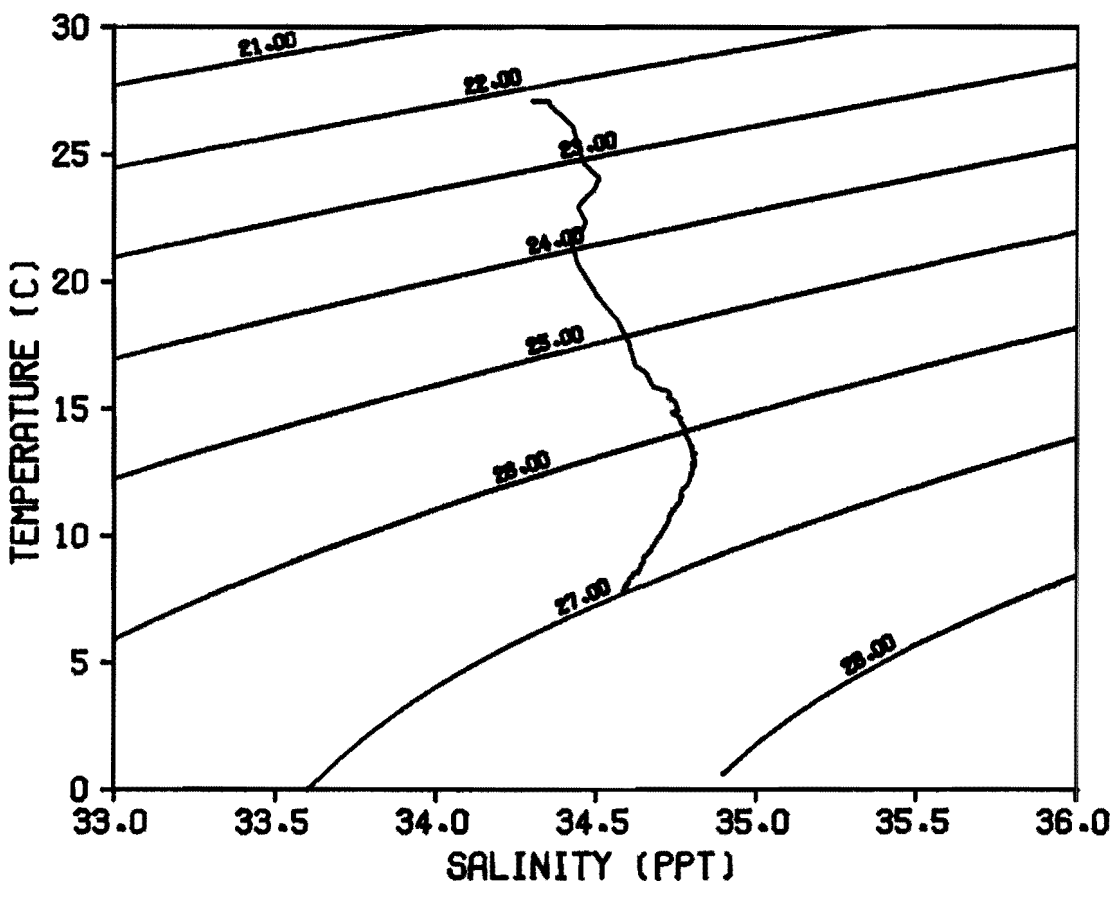


CAST EP2-79-01-110 DATE 16 FEB 79 TIME 1033 GMT
 LAT 09 30.0N LONG 109 59.7W WEATHER 8 SEA STATE 3
 BAROMETER 11 WIND DIR 080 T SPD 12 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 26.7 WET 24.8 MET 24.8 DEPTH 3575 M

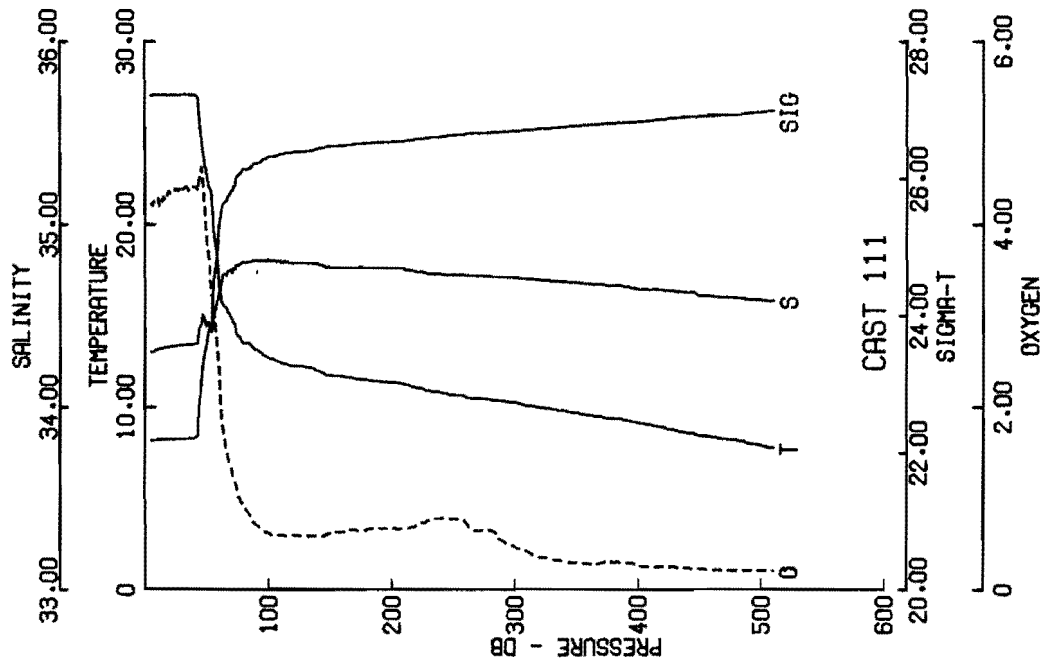


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	27.014	34.325	4.54	22.5	.000
1	27.010	34.322	4.61	22.5	.056
10	27.029	34.331	4.36	22.5	.112
20	27.029	34.332	4.36	22.5	.169
30	27.011	34.325	4.34	22.5	.227
40	27.011	34.325	4.34	22.5	.257
50	27.003	34.339	4.38	22.5	.283
60	15.468	34.765	1.00	22.5	.305
70	14.149	34.788	1.00	22.5	.324
80	13.313	34.802	.66	22.5	.360
90	13.041	34.802	.57	22.5	.378
100	12.956	34.809	.56	22.5	.395
110	12.574	34.809	.55	22.5	.428
120	12.263	34.793	.54	22.5	.444
130	12.008	34.786	.53	22.5	.460
140	11.877	34.786	.53	22.5	.476
150	11.786	34.777	.54	22.5	.492
160	11.680	34.772	.53	22.5	.508
170	11.585	34.764	.53	22.5	.523
180	11.485	34.729	.53	22.5	.539
190	11.203	34.703	.50	22.5	.571
200	10.746	34.686	.38	22.5	.640
250	10.205	34.641	.25	22.5	.671
300	9.829	34.621	.22	22.5	.671
350	9.054	34.602	.21	22.5	.671
400	8.128	34.597	.21	22.5	.671
450	8.013			22.5	.671
500				22.5	.671
510				22.5	.932

CAST EP2-79-DI-111 DATE 16 FEB 79 TIME 1353 GMT
LAT 10 01.0N LONG 110 00.2W

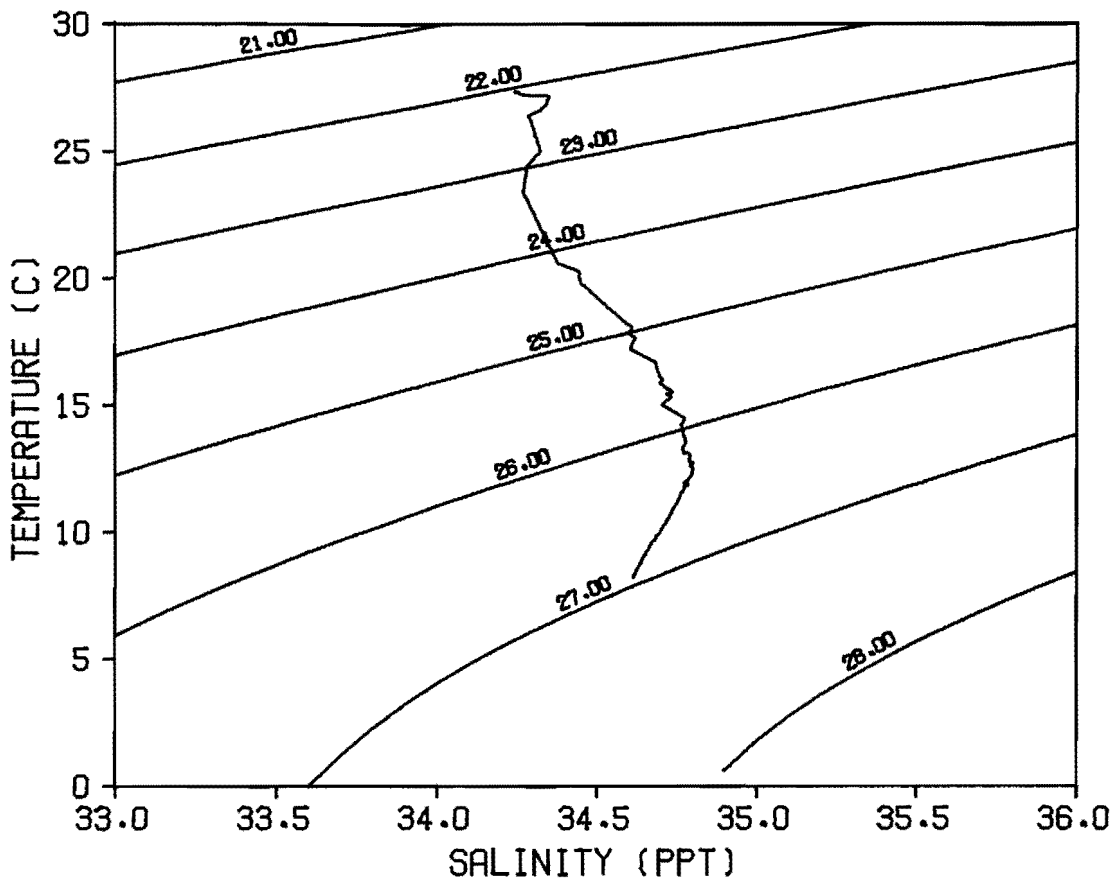


CAST EP2-79-DI-111 DATE 16 FEB 79 TIME 1353 GMT
 LAT 0 01.0N LONG 110 00.2W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 070 KT SPD 18 KT VISIBILITY 7
 CLOUD 8 AMOUNT 5 DRY 26.8 WET 24.8 DEPTH M

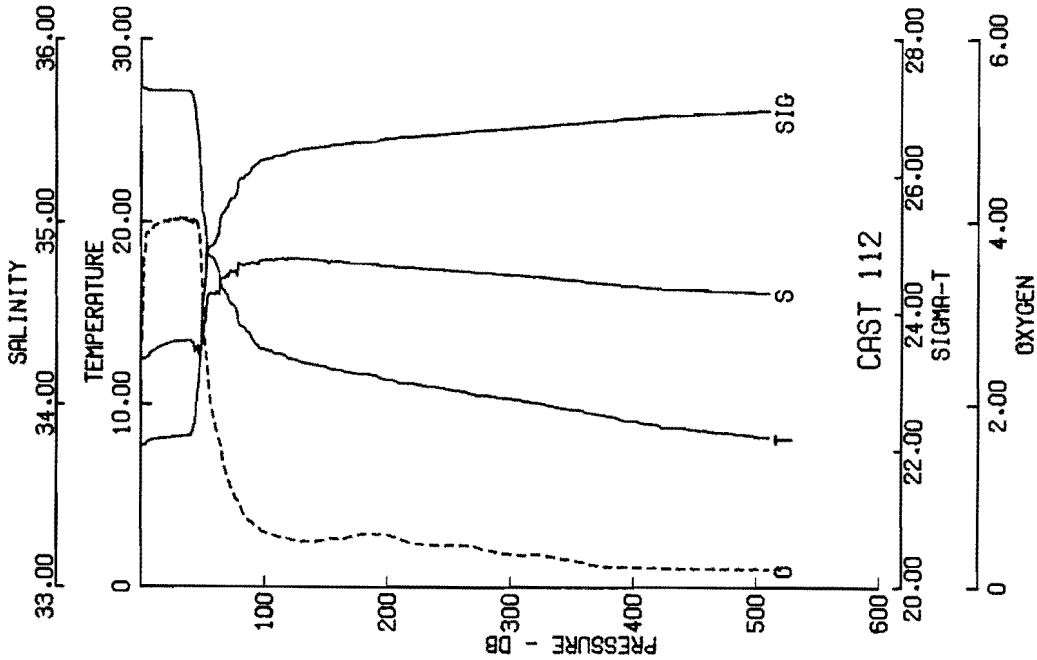


PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T (DYN-M)	DELTA-M
0	27.089	34.293	4.13	22.176	.000
5	27.086	34.503	4.28	22.185	.057
10	27.089	34.317	4.37	22.195	.113
20	27.099	34.333	4.36	22.210	.169
30	27.089	34.342	4.41	22.217	.226
40	22.889	34.444	3.82	22.512	.313
50	22.677	34.623	2.40	25.316	.337
60	14.896	34.796	1.92	25.829	.376
70	13.555	34.806	.72	26.139	.394
80	13.182	34.807	.50	26.158	.428
90	12.667	34.794	.29	26.395	.445
100	12.205	34.791	.29	26.438	.477
110	12.016	34.786	.63	26.477	.493
120	11.732	34.765	.66	26.509	.509
130	11.688	34.765	.66	26.523	.525
140	11.566	34.766	.66	26.542	.536
150	11.408	34.765	.68	26.545	.531
160	11.354	34.728	.78	26.642	.531
170	11.255	34.713	.49	26.703	.531
180	10.696	34.684	.27	26.838	.531
190	9.151	34.649	.23	26.919	.801
200	7.941	34.614	.23	26.981	.961
250	7.805	34.586	.21	26.997	

CAST EP2-79-DI-112 DATE 16 FEB 79 TIME 2350 GMT
LAT 10 30.ON LONG 110 00.OW

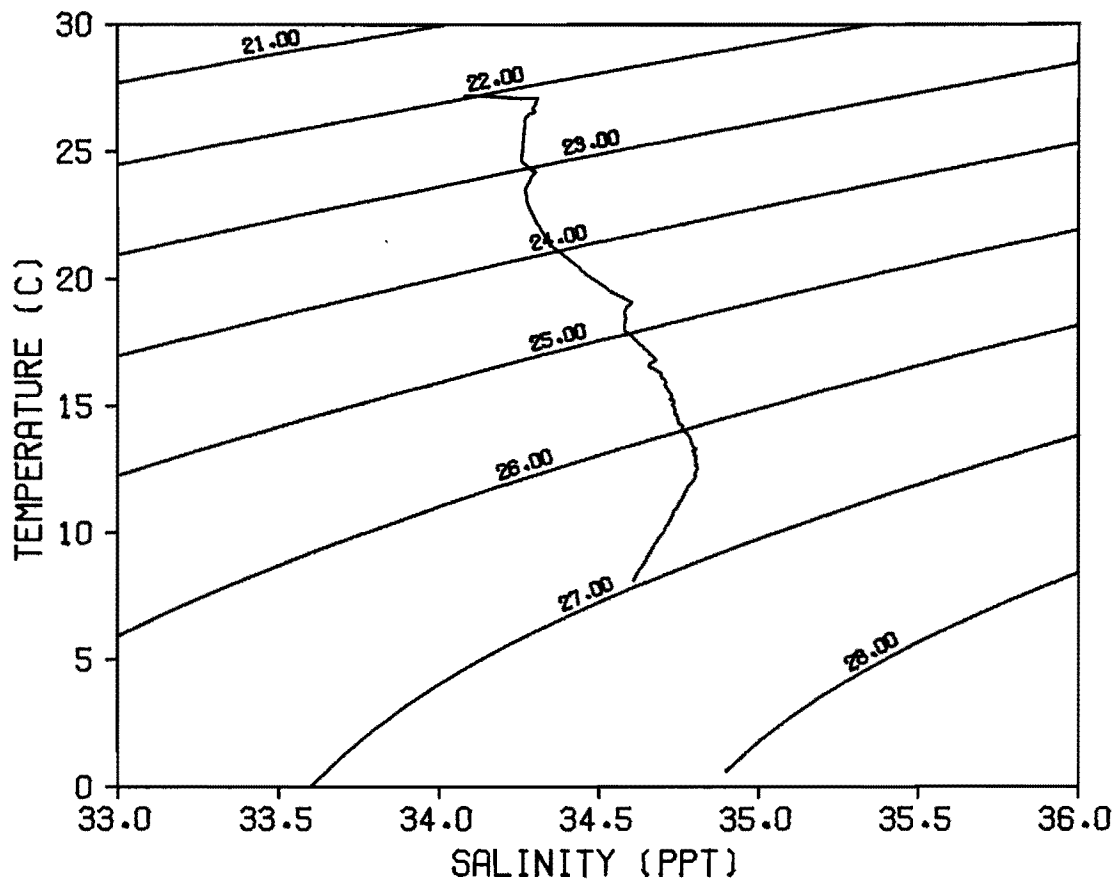


CAST EP2-79-01-112 DATE 16 FEB 79 TIME 2350 GMT
 LAT 10 30 ON LONG 110 00.0W WEA THER 1 SEA STATE 4
 PAROMETER 10 WIND DIR 050 Y SPU 18 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 27.0 WET 24.7 DEPTH M

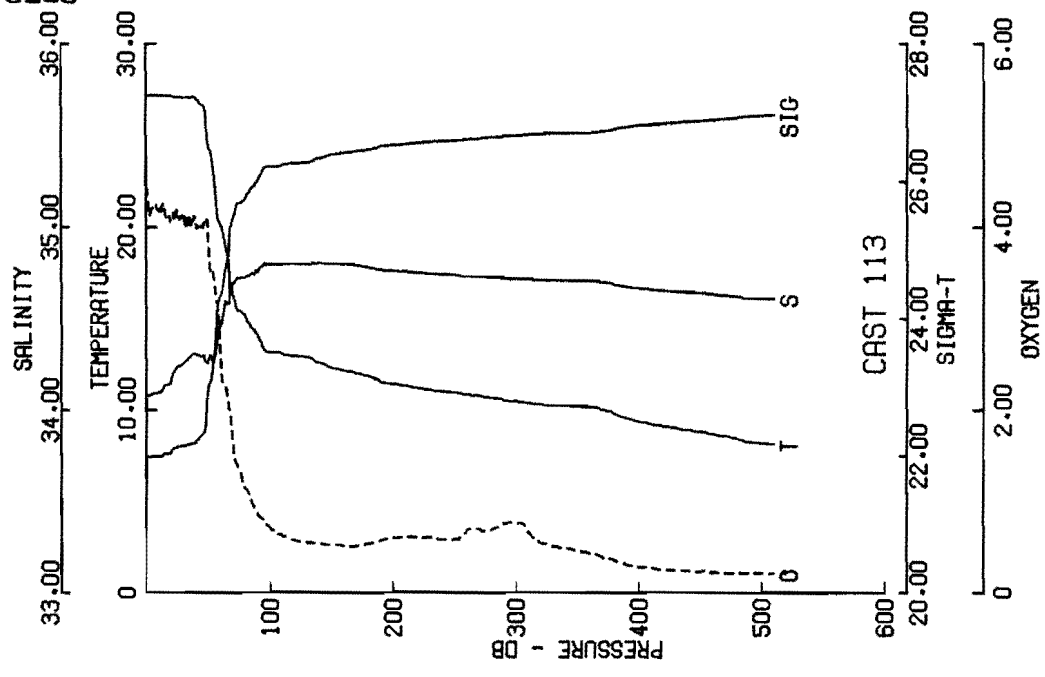


TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
27.318	34.239	3.01	22.067	.000
27.3173	34.245	2.714	22.067	.057
27.186	34.293	3.01	22.149	.174
27.122	34.330	4.005	22.173	.171
20.579	34.350	3.118	22.209	.278
17.800	34.378	3.178	22.122	.310
15.920	34.607	1.211	22.550	.337
13.282	34.771	.70	22.954	.360
13.027	34.778	.65	26.120	.360
12.775	34.790	.55	26.242	.399
12.519	34.796	.53	26.417	.417
12.307	34.796	.49	26.390	.434
12.189	34.793	.50	26.410	.468
12.055	34.786	.51	26.430	.484
11.888	34.783	.52	26.499	.501
11.745	34.772	.55	26.517	.517
11.669	34.772	.57	26.492	.533
11.592	34.769	.57	26.505	.539
11.338	34.735	.49	26.544	.564
10.218	34.712	.46	26.621	.640
9.722	34.683	.39	26.691	.713
8.108	34.651	.22	26.847	.848
8.255	34.631	.20	26.907	.912
8.228	34.614	.20	26.952	.913

CAST EP2-79-DI-113 DATE 17 FEB 79 TIME 0239 GMT
LAT 11 02.8N LONG 110 00.9W

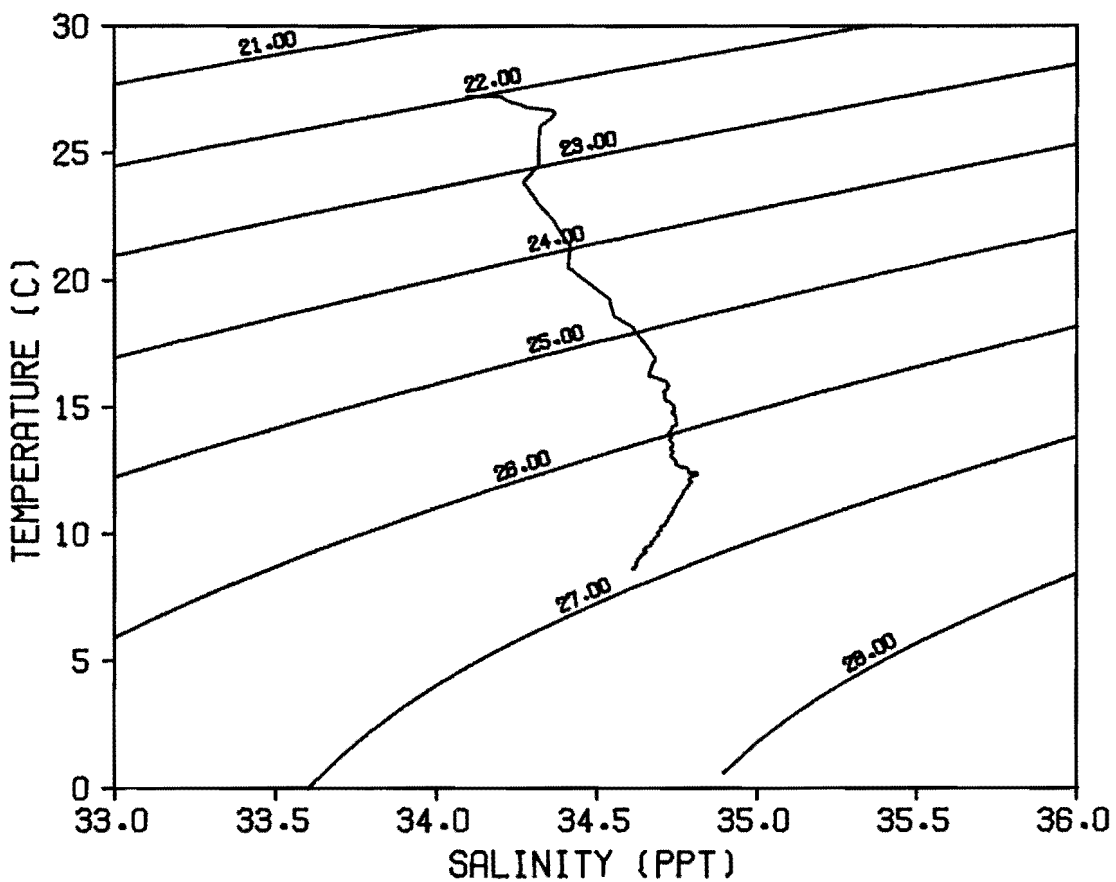


CAST EP2-79-DI-113 DATE 17 FEB 79 TIME 0239 GMT
 LAT 11 02.8N LONG 110 00.9W WEATHER 1 SEA STATE 4
 BAROMETER 11 WIND DIR 040 T SPU 18 KT VISIBILITY 7
 CLOUD 6 AMOUNT 5 WET DRY 26.9 WET 24.4 DEPTH M



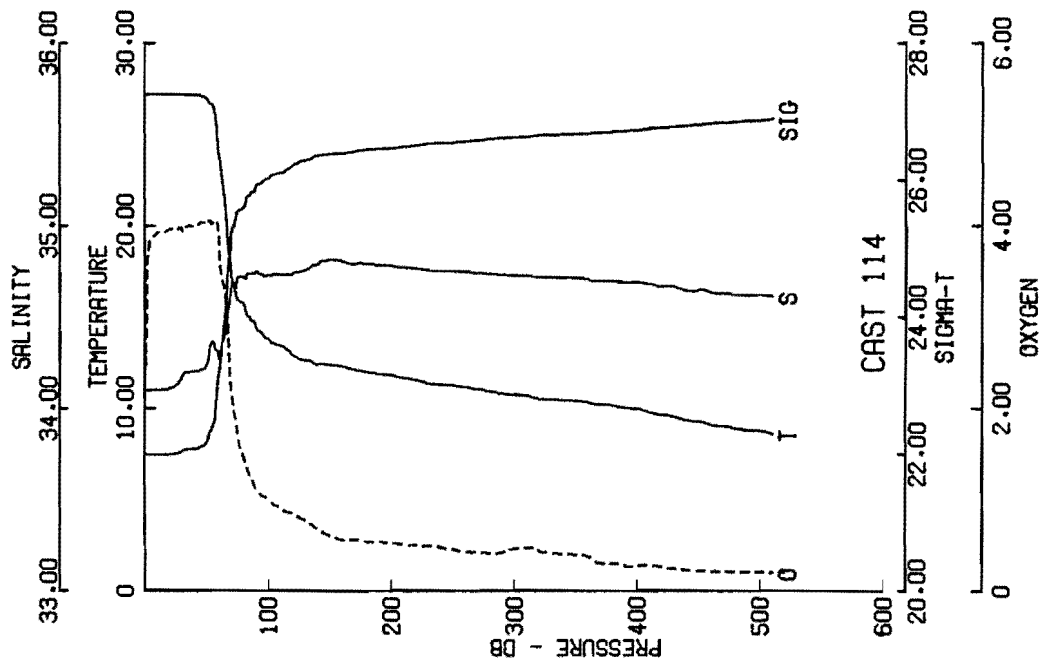
TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
27.200	34.077	4.27	21.978	.000
27.198	34.081	4.42	21.982	.058
27.203	34.096	4.20	21.992	.177
27.180	34.149	4.06	22.039	.174
27.099	34.255	4.16	22.144	.231
27.078	34.305	4.09	22.189	.286
24.635	34.459	2.67	22.910	.361
16.314	34.632	1.66	24.322	.385
15.224	34.730	1.17	25.732	.407
15.170	34.758	.87	25.962	.426
13.185	34.798	.71	26.217	.444
13.103	34.803	.62	26.234	.462
12.968	34.801	.55	26.276	.488
12.905	34.806	.54	26.338	.515
12.611	34.801	.53	26.395	.531
12.311	34.799	.51	26.417	.548
12.173	34.793	.51	26.437	.564
12.050	34.782	.54	26.462	.580
11.871	34.768	.57	26.514	.596
11.539	34.742	.60	26.589	.672
11.437	34.721	.58	26.670	.746
10.480	34.721	.55	26.816	.818
10.193	34.708	.55	26.887	.891
9.373	34.662	.23	26.959	.951
8.811	34.642	.21	26.966	1.012
8.194	34.611	.21		
8.142	34.610	.21		

CAST EP2-79-DI-114 DATE 17 FEB 79 TIME 0816 GMT
LAT 12 00.ON LONG 110 00.OW

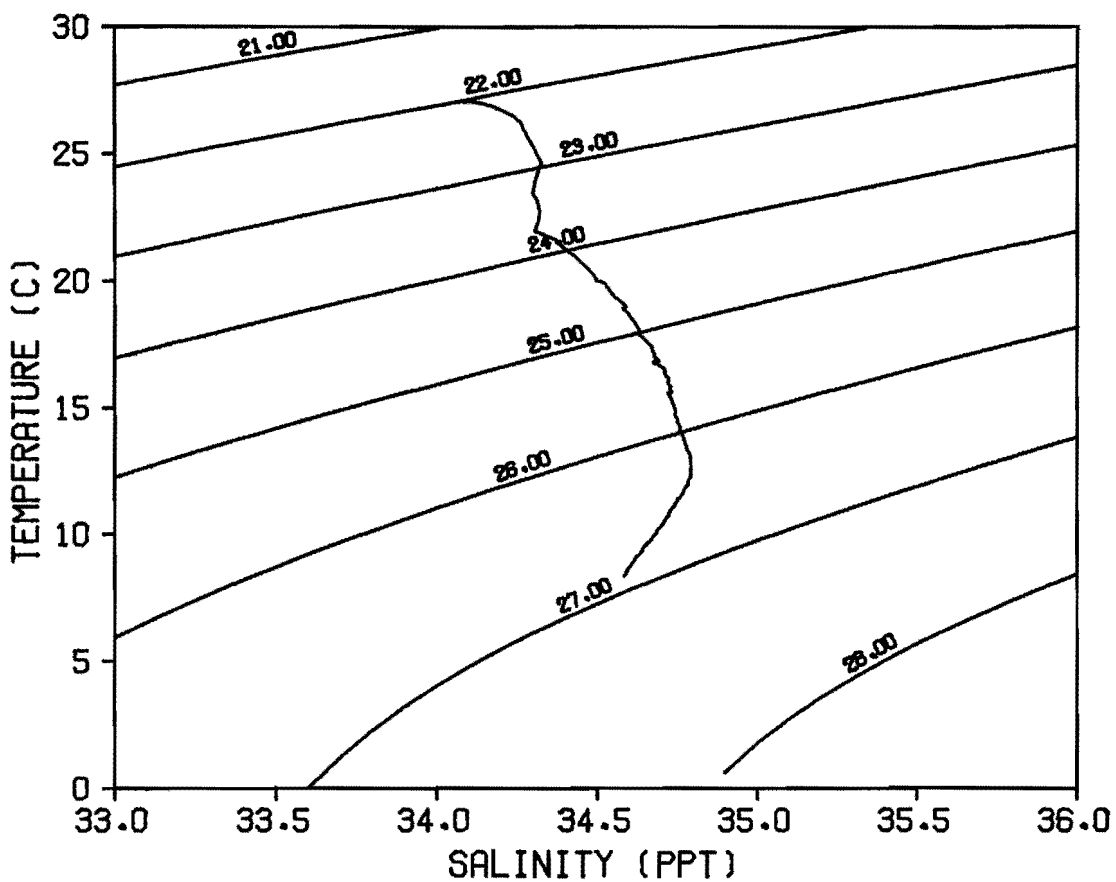


CAST EP2-79-DI-114 DATE 17 FEB 79 TIME 0816 GMT
 LAT 12 00.0N LONG 110 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 040 T SPD 14 KT VISIBILITY 7
 CLOUD 6 AMOUNT 3 DRY 26.5 WET 22.5 DEPTH 512 M

PKES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-TM (DYN-M)
0	27.194	34.097	2.78	21.995	.000
10	27.216	34.103	3.91	21.996	.058
20	27.223	34.109	3.97	21.995	.117
30	27.190	34.172	3.97	22.039	.175
40	26.987	34.203	4.02	22.077	.233
50	26.843	34.272	3.87	22.165	.290
60	27.234	34.666	3.18	23.156	.344
70	17.757	34.725	2.18	23.220	.383
80	15.531	34.748	1.48	25.608	.404
90	13.839	34.733	1.13	25.897	.431
100	13.463	34.733	1.00	26.032	.452
110	12.940	34.744	.95	26.112	.471
120	12.651	34.761	.78	26.224	.490
130	12.416	34.789	.68	26.293	.508
140	12.418	34.817	.60	26.363	.526
150	12.327	34.808	.56	26.384	.543
160	12.154	34.791	.54	26.395	.559
170	11.998	34.792	.54	26.416	.576
180	11.892	34.786	.54	26.446	.593
190	11.845	34.784	.52	26.461	.609
200	11.779	34.755	.46	26.469	.625
250	11.042	34.731	.46	26.552	.704
300	10.007	34.694	.48	26.677	.780
350	9.315	34.654	.22	26.810	.853
400	8.798	34.625	.22	26.815	.925
450	8.630	34.616	.20	26.876	.993
500					1.058
510					

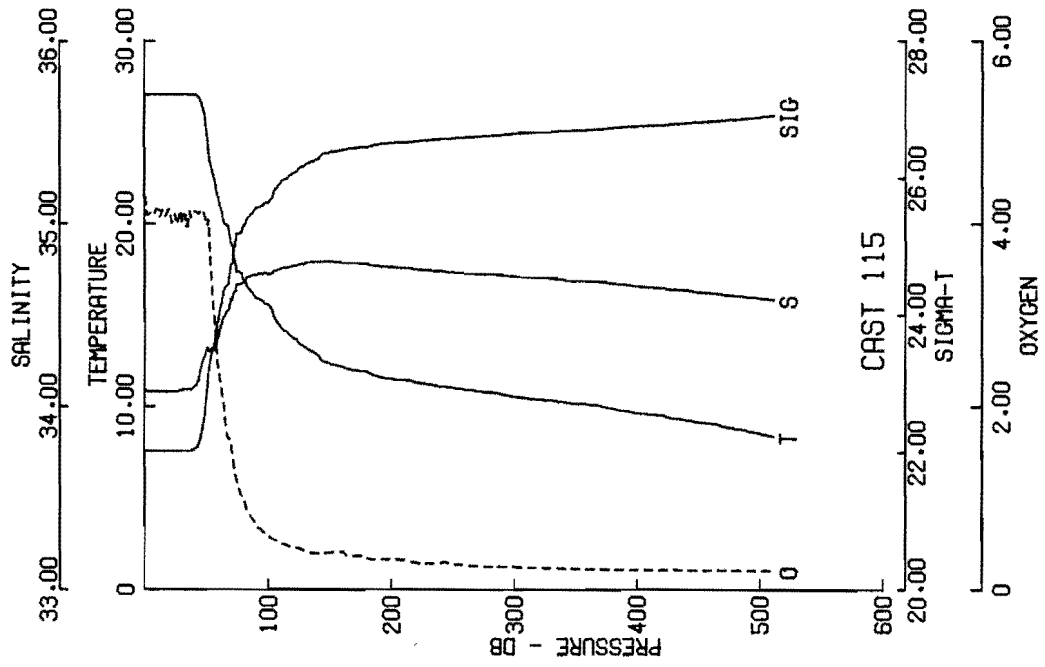


CAST EP2-79-DI-115 DATE 17 FEB 79 TIME 1410 GMT
LAT 12 57.8N LONG 109 58.5W



CAST EP2-79-D1-115 DATE 17 FEB 79 TIME 1410 GMT
 LAT 12 57.8N LONG 109 58.5W WEATHER 1 SEA STATE 4
 BAROMETER 12 WIND DIR 035 T SPD 17 KT VISIBILITY 7
 CLOUD 8 AMOUNT 5 DRY 25.7 WET 22.3

DEPTH (M)	PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-M (DYN-M)
0	1	27.072	34.088	4.209	22.028	.000
10	10	27.071	34.091	4.17	22.030	.058
20	20	27.086	34.082	4.17	22.019	.115
30	30	27.088	34.088	4.107	22.021	.233
40	40	27.092	34.094	4.12	22.041	.289
50	50	27.305	34.299	4.04	22.738	.334
60	60	21.442	34.381	4.04	23.921	.370
70	70	18.986	34.591	1.01	24.730	.399
80	80	17.036	34.677	1	25.275	.425
90	90	16.001	34.720	.54	25.541	.449
100	100	15.607	34.723	.51	25.918	.472
110	110	14.438	34.750	.42	26.062	.493
120	120	13.831	34.770	.40	26.173	.512
130	130	13.288	34.783	.40	26.273	.530
140	140	12.804	34.792	.40	26.375	.547
150	150	12.380	34.792	.37	26.439	.564
160	160	12.185	34.784	.35	26.450	.581
170	170	11.990	34.780	.33	26.450	.597
180	180	11.920	34.768	.33	26.511	.613
190	190	11.667	34.763	.28	26.581	.629
200	200	11.536	34.735	.25	26.650	.644
250	250	11.041	34.711	.23	26.692	.654
300	300	10.544	34.684	.22	26.762	.672
350	350	10.166	34.659	.22	26.819	.684
400	400	9.650	34.639	.22	26.888	.692
450	450	9.169	34.622	.21	26.911	.707
500	500	8.559	34.592	.21		.724
511	511	8.375	34.585	.21		.942
						1.057

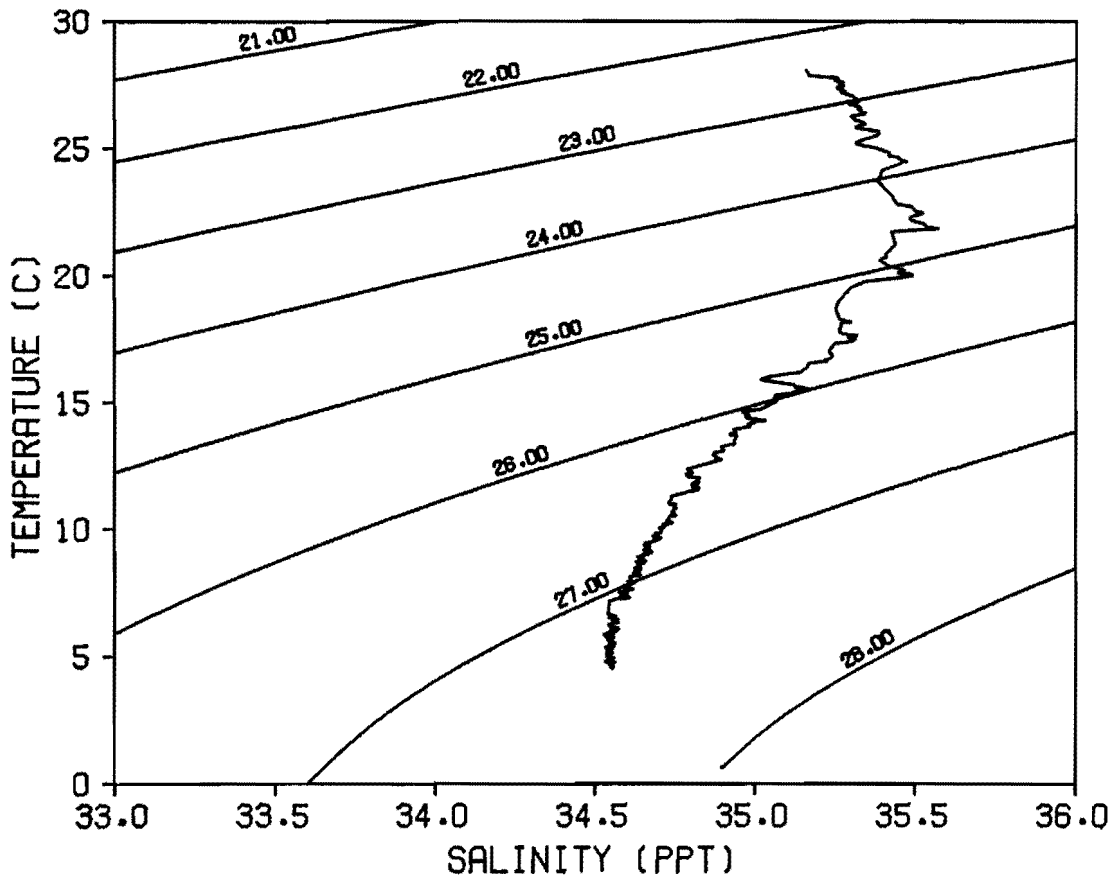


EP3-79-0C

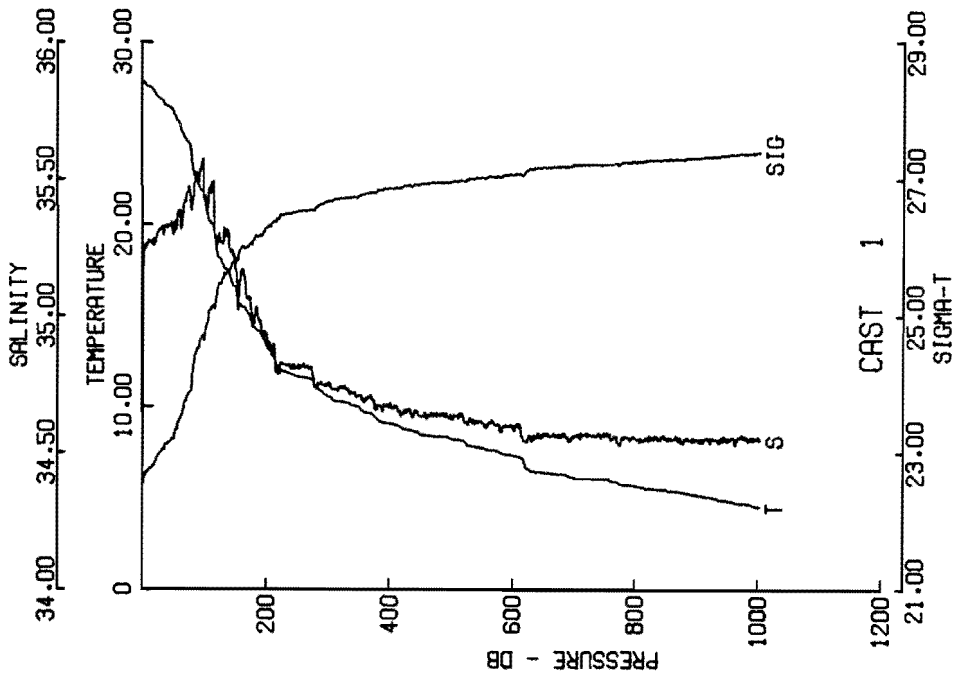
8 April - 10 May 1979

Plessey 9040 CTD Data Summary

CAST EP3-79-0C-01 DATE 22 APR 79 TIME 0216 GMT
LAT 0 41.3S LONG 153 04.6W

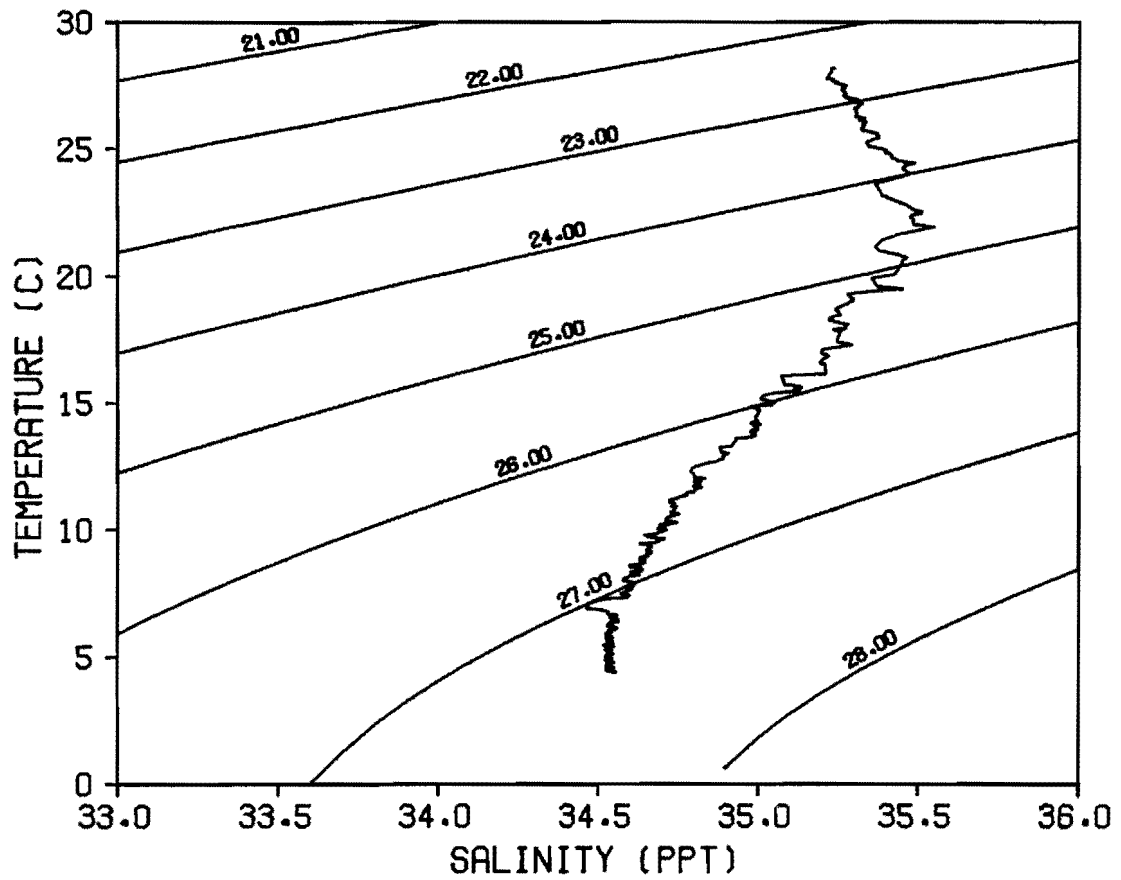


CAST EP3-73-DC-001 DATE 22 APR 79 TIME 0216 GMT
 LAT 00 41.3S LUNG 153 04.6W WEATHER 1 SEA STATE 2
 BAROMETER 10 WIND DIR 090 T SPD 08 KT VISIBILITY 8
 CLOUD 6 AMOUNT 2 DRY 29.2 WET 25.8

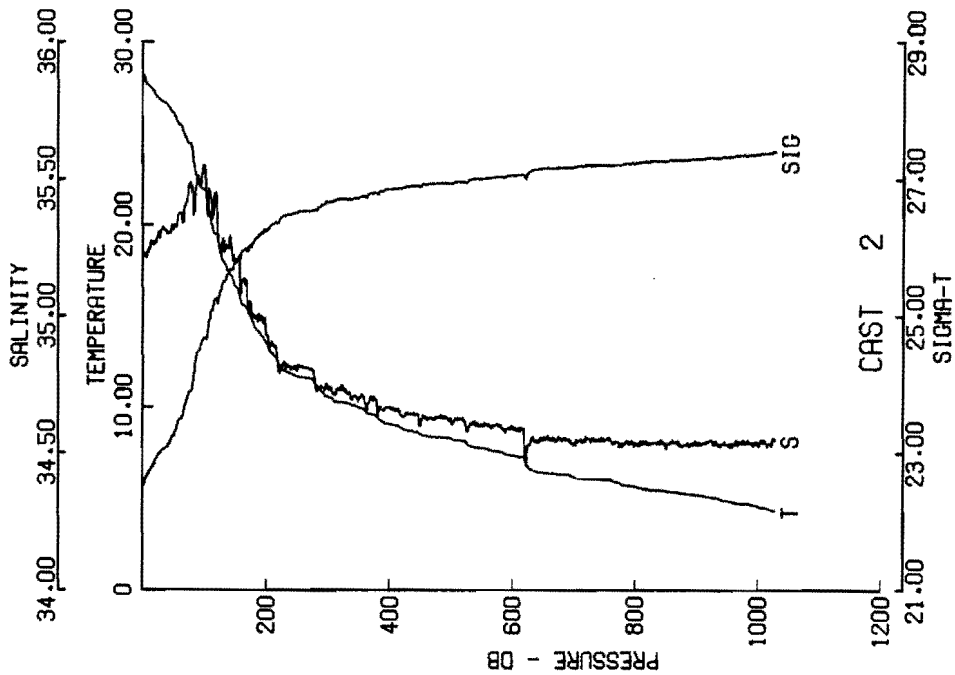


CAST	EP3-73-DC-001	DATE	22 APR 79	TIME	0216 GMT
LAT	00 41.3S	LUNG	153 04.6W	WEATHER	1 SEA STATE 2
BAROMETER	10	WIND DIR	090	T SPD	08 KT VISIBILITY 8
CLOUD	6	AMOUNT	2	DRY	29.2 WET 25.8
PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)	
0	28.026	35.161	22.525	.000	
1	28.055	35.159	22.511	.052	
10	27.603	35.293	22.770	.103	
20	27.291	35.270	22.846	.150	
30	26.908	35.313	23.001	.200	
40	26.523	35.329	23.133	.248	
50	26.255	35.344	23.247	.293	
60	25.986	35.362	23.349	.337	
70	25.762	35.384	23.445	.378	
80	25.678	35.390	24.045	.414	
100	22.326	35.426	24.215	.478	
110	21.716	35.445	24.638	.507	
120	20.155	35.457	25.086	.533	
130	18.920	35.258	25.231	.557	
140	17.935	35.263	25.537	.580	
150	17.332	35.205	25.977	.602	
160	16.572	35.150	26.001	.623	
170	15.184	34.970	26.087	.643	
180	14.442	34.977	26.162	.681	
190	14.117	34.934	26.229	.764	
200	13.462	34.809	26.271	.842	
250	11.651	34.704	26.673	.978	
300	10.002	34.683	26.863	1.040	
350	9.090	34.633	26.928	1.159	
400	8.504	34.615	27.025	1.267	
450	7.780	34.598	27.073	1.315	
500	7.357	34.570	27.180	1.365	
600	6.415	34.573	27.203	1.412	
700	6.139	34.553	27.258	1.452	
800	5.715	34.553	27.312	1.502	
900	5.210	34.546	27.346	1.546	
950	4.902	34.543	27.396	1.586	
1000	4.562	34.558	27.396	1.586	
1002	4.553	34.549	27.396	1.586	

CAST EP3-79-0C-02 DATE 22 APR 79 TIME 0345 GMT
LAT 0 41.8S LONG 153 04.7W

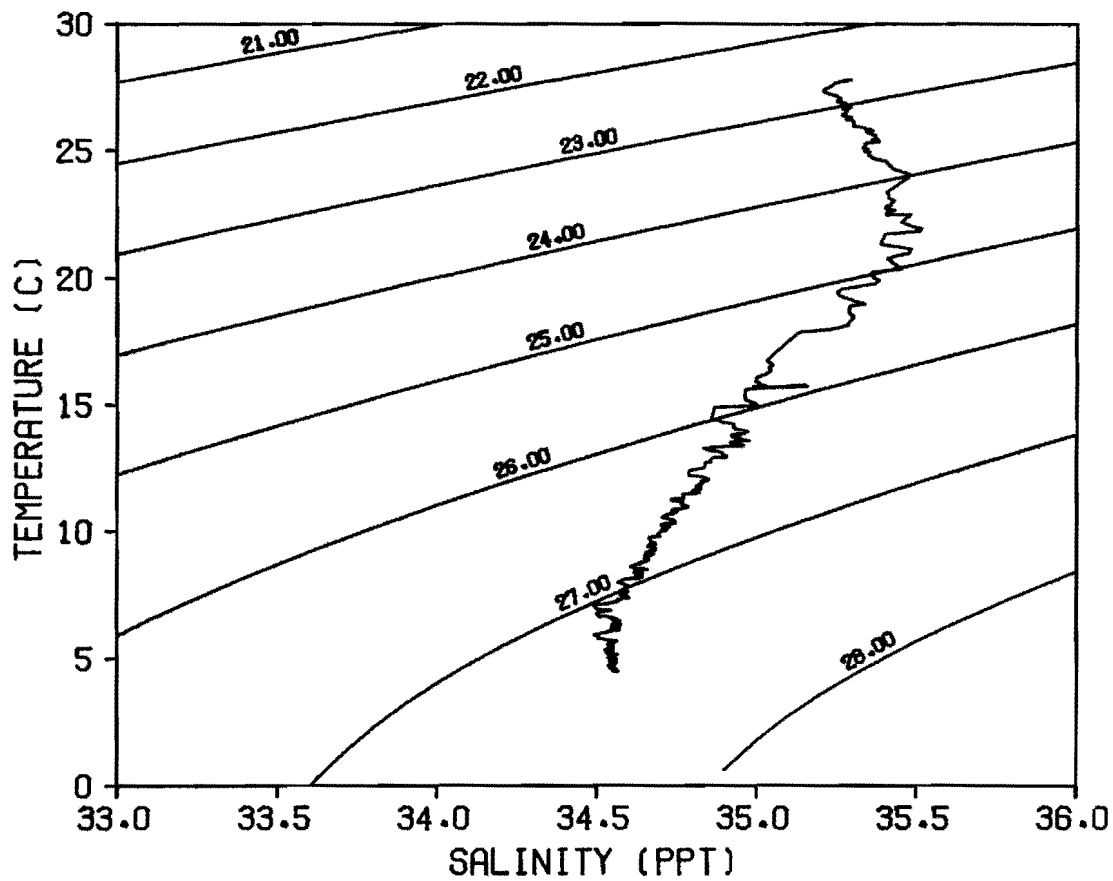


CAST EP3-77-DC-U02 DATE 22 APR 79 TIME 0345 GMT
 LAT 00 41.8S LONG 153 04.7W WEATHER 1 SEA STATE 2
 BAROMETER 11 WIND DIR 070 T SPD 10 KT VISIBILITY 8
 CLOUD 6 AMOUNT 2 DRY 27.0 WET 25.5 DEPTH M



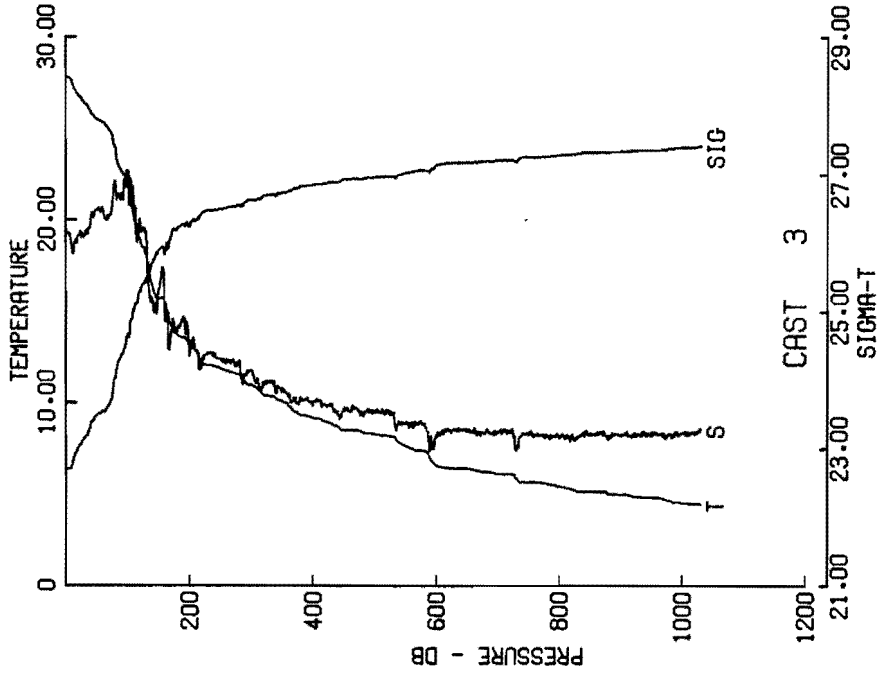
TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
28.319	35.235	22.485	.000
28.173	35.236	22.534	.052
27.616	35.249	22.725	.103
27.167	35.276	22.891	.152
26.819	35.309	23.026	.201
26.607	35.315	23.247	.248
26.133	35.376	23.486	.293
25.514	35.409	23.724	.337
24.816	35.450	23.936	.378
24.216	35.513	24.484	.449
21.912	35.550	24.677	.481
20.374	35.443	25.016	.509
19.481	35.235	25.490	.536
19.089	35.251	25.630	.561
17.389	35.198	25.767	.595
16.842	35.083	25.946	.624
15.727	35.054	26.075	.649
14.612	35.002	26.174	.668
14.088	34.930	26.239	.687
13.572	34.798	26.508	.771
11.586	34.747	26.671	.848
10.012	34.694	26.730	.919
9.101	34.666	26.860	.986
8.509	34.600	26.893	1.049
8.317	34.623	26.953	1.109
7.797	34.604	27.013	1.168
7.344	34.592	27.064	1.228
6.451	34.557	27.165	1.278
6.057	34.529	27.174	1.327
5.688	34.530	27.242	1.377
5.422	34.530	27.266	1.424
4.930	34.526	27.306	1.470
4.011	34.532	27.334	1.515
4.390	34.550	27.375	1.561
		27.410	

CAST EP3-79-0C-03 DATE 22 APR 79 TIME 0800 GMT
LAT 0 20.0S LONG 152 59.7W

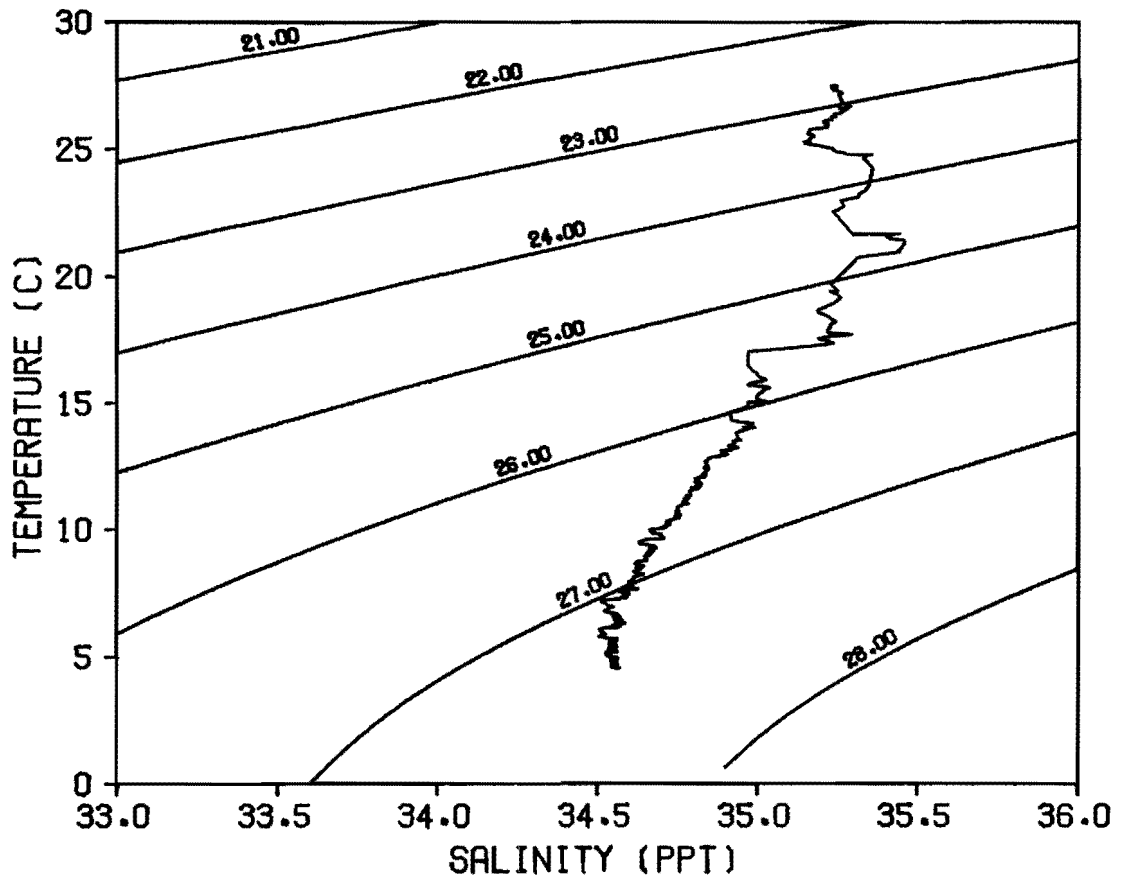


CAST EP3-79-0C-003 DATE 22 APR 79 TIME 0900 GMT
 LAT 00 26.6S LONG 152 59.7W WEATHER 2 SEA STATE 3
 BAROMETER 14 WIND DIR 090 T SPD 12 KT VISIBILITY 8
 CLOUD 9 AMOUNT 8 DRY 26.0 WET 25.0 DEPTH H

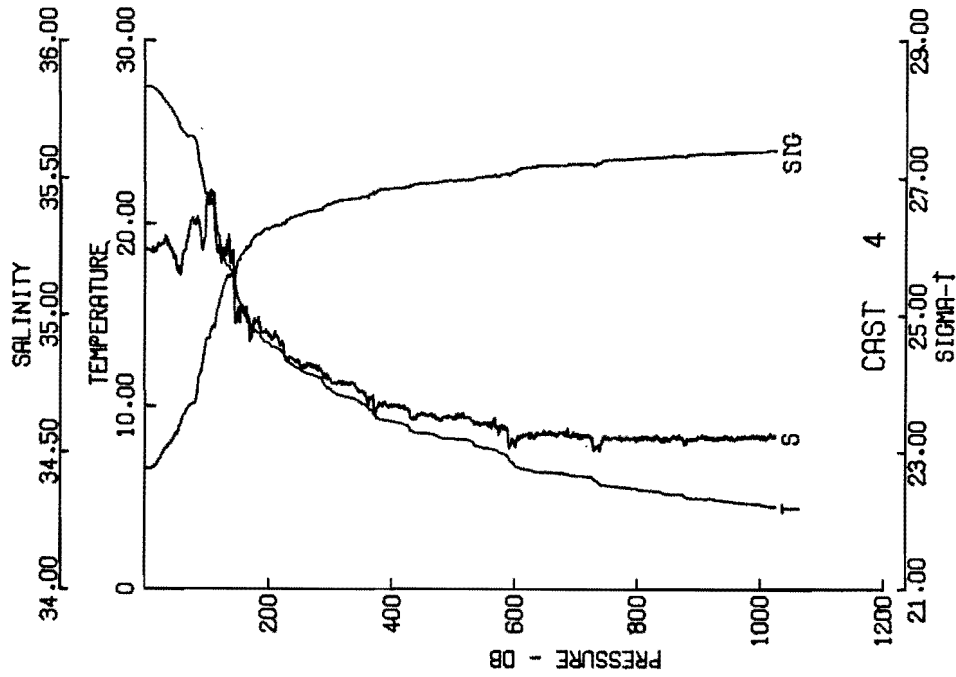
DEPTH (M)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T (DYN M)	DELTA-D (DYN M)
0	27.830	35.295	22.691	.000
1	27.811	35.228	22.695	.052
10	27.511	35.278	22.744	.102
20	26.827	35.301	23.001	.150
30	26.402	35.317	23.131	.197
40	25.965	35.371	23.275	.242
50	25.537	35.377	23.539	.286
60	24.944	35.476	24.029	.371
70	23.967	35.434	24.479	.443
80	22.901	35.499	24.642	.475
90	21.923	35.360	24.991	.503
100	20.233	35.339	25.304	.530
110	18.925	35.289	25.479	.554
120	18.387	35.045	25.709	.577
130	16.699	35.078	25.893	.598
140	15.619	34.967	25.826	.618
150	14.234	34.928	26.009	.638
160	13.744	34.978	26.273	.657
170	13.291	34.834	26.495	.675
180	11.970	34.826	26.637	.837
190	11.080	34.706	26.673	.909
200	9.181	34.653	26.837	.975
250	8.301	34.628	26.928	1.038
300	7.665	34.591	26.956	1.158
350	6.596	34.550	27.022	1.213
400	6.410	34.573	27.140	1.263
450	6.124	34.557	27.188	1.312
500	5.644	34.527	27.208	1.360
550	5.444	34.547	27.285	1.449
600	5.150	34.551	27.323	1.492
650	4.840	34.544	27.339	1.533
700	4.541	34.556	27.353	1.574
750	4.466	34.570	27.397	
800				
850				
900				
950				
1000				



CAST EP3-79-0C-04 DATE 22 APR 79 TIME 1054 GMT
LAT 0 03.2S LONG 153 01.1W

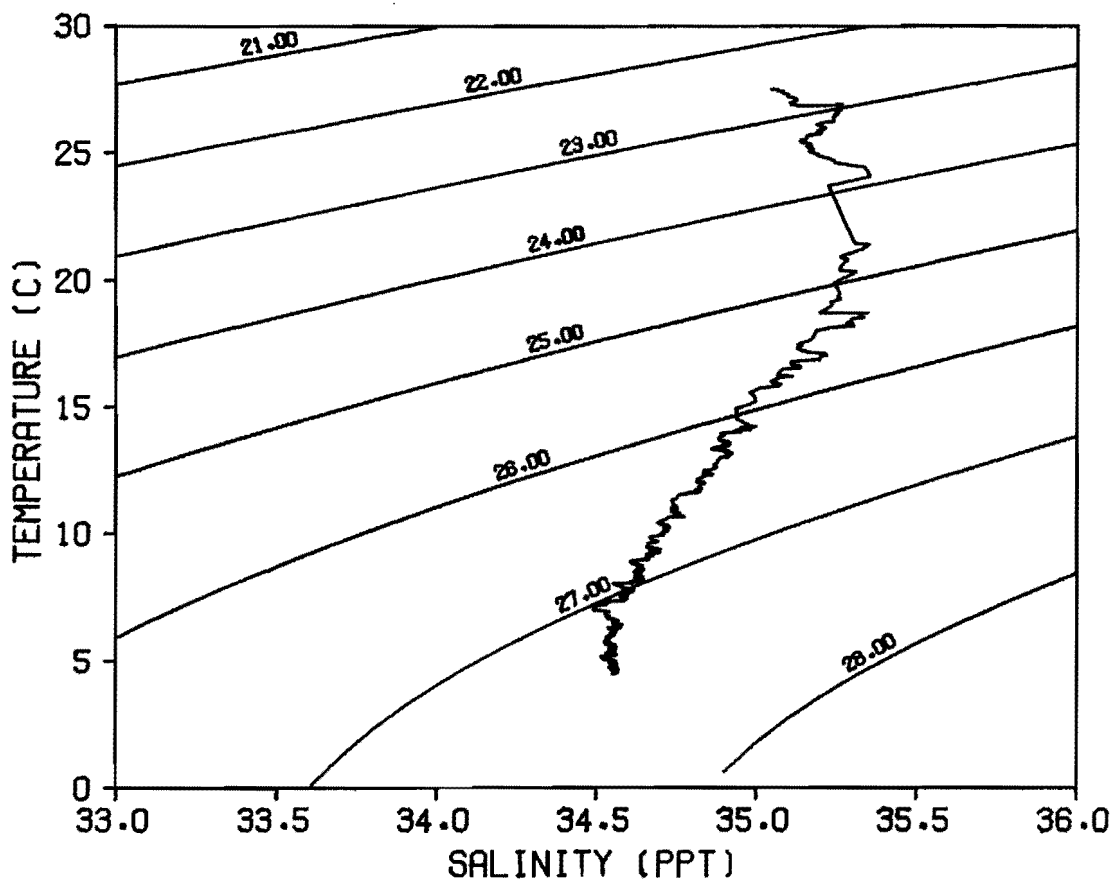


CAST EP3-79-0C-004 DATE 22 APR 79 TIME 1054 GMT
 LAT 03.25 LONG 153.01.1W WEATHER 2 SEA STATE 3
 BAROMETER 14 WIND DIR 110 T SPD 10 KT VISIBILITY 7
 CLOUD 9 AMOUNT 6 DRY 26.0 WET 25.0 DEPTH M

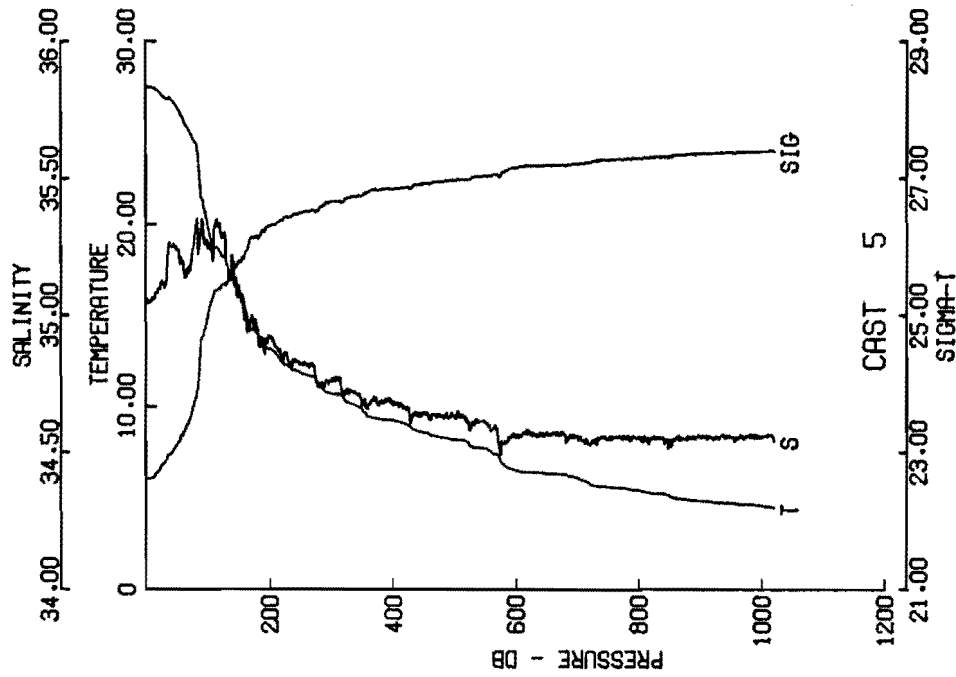


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	27.475	35.243	22.769	.000
2	27.474	35.243	22.767	.051
10	27.268	35.243	22.762	.102
20	26.833	35.259	22.788	.200
30	26.407	35.261	22.812	.293
40	25.854	35.188	22.843	.339
50	25.104	35.236	22.871	.419
60	24.783	35.314	22.918	.488
70	23.090	35.429	22.958	.545
80	21.664	35.221	22.976	.594
100	19.040	35.229	23.005	.619
120	17.860	35.008	23.037	.656
140	17.420	34.976	23.063	.675
160	16.009	34.921	23.090	.789
170	15.346	34.836	23.117	.839
180	14.584	34.722	23.154	.998
190	13.701	34.644	23.192	1.181
200	13.490	34.623	23.202	1.287
250	12.079	34.629	23.202	1.387
300	10.217	34.572	23.196	1.479
350	9.183	34.556	23.185	1.566
400	8.237	34.543	23.172	1.640
450	7.448	34.543	23.156	1.700
500	6.829	34.549	23.137	1.747
550	6.405	34.554	23.117	1.780
600	6.005	34.554	23.095	1.800
650	5.666	34.558	23.071	1.810
700	5.466	34.558	23.046	1.810
750	5.193	34.558	23.021	1.810
800	4.945	34.558	23.000	1.810
850	4.805	34.558	22.980	1.810
900	4.651	34.558	22.960	1.810
950	4.530	34.558	22.940	1.810
1000		34.558	22.930	1.810
1025			22.930	

CAST EP3-79-0C-05 DATE 22 APR 79 TIME 1421 GMT
LAT 00 18.7N LONG 152 58.9W

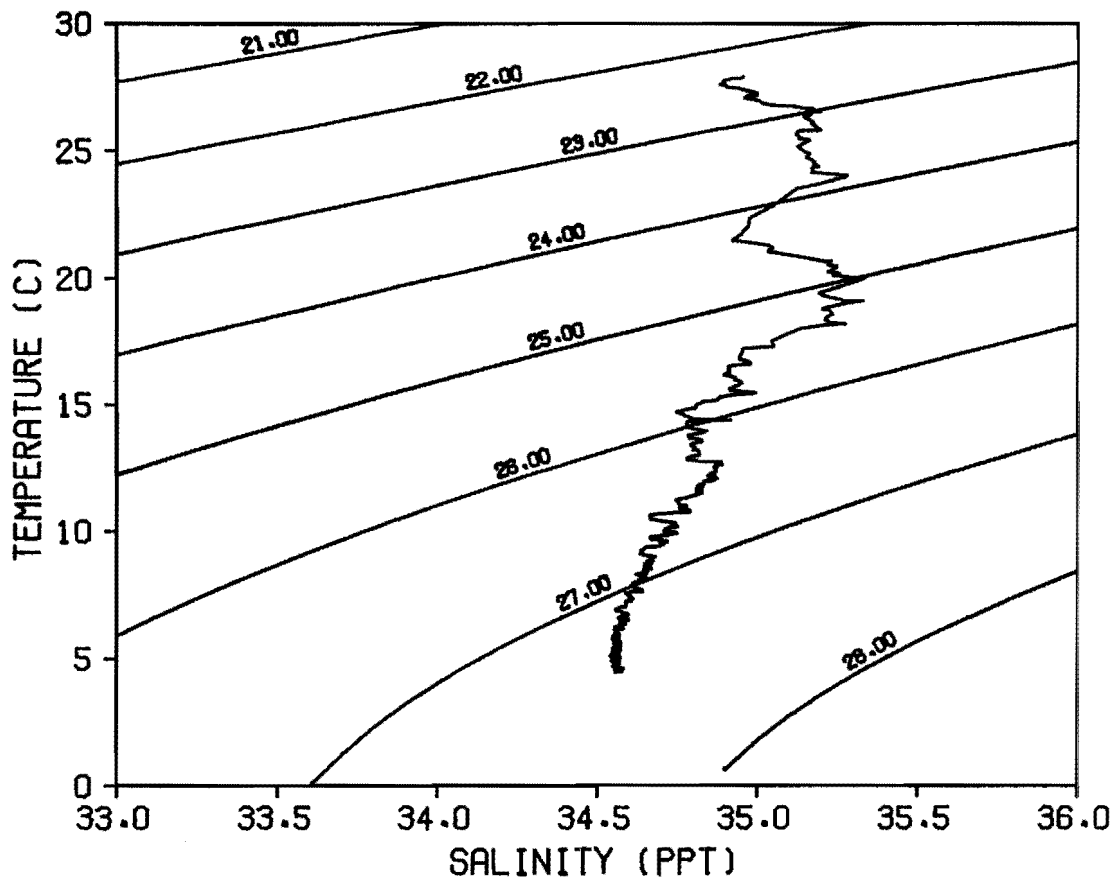


CAST EP3-79-06-005 DATE 22 APR 79 TIME 1421 GMT
 LAT 00 18.7N LONG 152 58.9W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 110 T SPD 10 KT VISIBILITY 7 M
 CLOUD 4 AMOUNT 4 DRY 26.5 WET 24.8 DEPTH

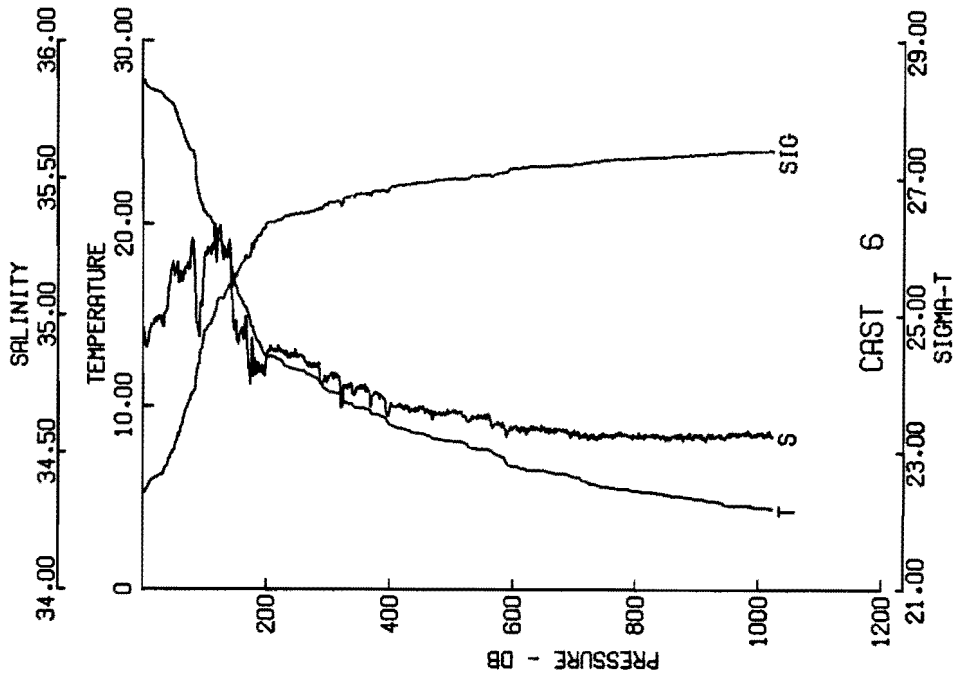


DEPTH (M)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	27.501	35.054	22.616	.000
2	27.497	35.058	22.620	.052
10	27.507	35.053	22.613	.105
20	27.293	35.015	22.615	.156
30	26.968	35.115	22.633	.205
40	26.912	35.259	22.939	.301
50	26.478	35.167	23.246	.347
60	25.828	35.240	23.546	.391
70	25.138	35.179	23.744	.430
80	24.474	35.299	24.024	.482
90	24.434	35.307	24.262	.490
100	20.704	35.277	24.562	.517
110	18.528	35.240	24.897	.543
120	18.003	35.336	25.214	.568
130	17.003	35.187	25.431	.591
140	17.026	35.221	25.694	.613
150	16.232	35.090	25.812	.634
160	15.573	34.980	25.946	.653
170	14.253	34.974	26.130	.672
180	14.071	34.935	26.239	.690
190	13.460	34.914	26.318	.714
200	13.184	34.822	26.449	.752
250	11.701	34.760	26.611	.823
300	9.661	34.657	26.855	.928
350	9.256	34.677	26.953	.052
400	8.576	34.641	26.823	.112
450	8.180	34.632	26.978	.170
500	7.693	34.610	27.033	.227
550	6.323	34.556	27.157	.273
600	6.105	34.564	27.253	.322
700	5.592	34.559	27.310	.368
800	5.403	34.547	27.359	.413
900	5.102	34.535	27.316	.459
950	4.726	34.555	27.367	.499
1000	4.577	34.550	27.388	.530
1021	4.467	34.541	27.393	.580

CAST EP3-79-0C-06 DATE 23 APR 79 TIME 0228 GMT
LAT 00 41.5N LONG 153 05.8W

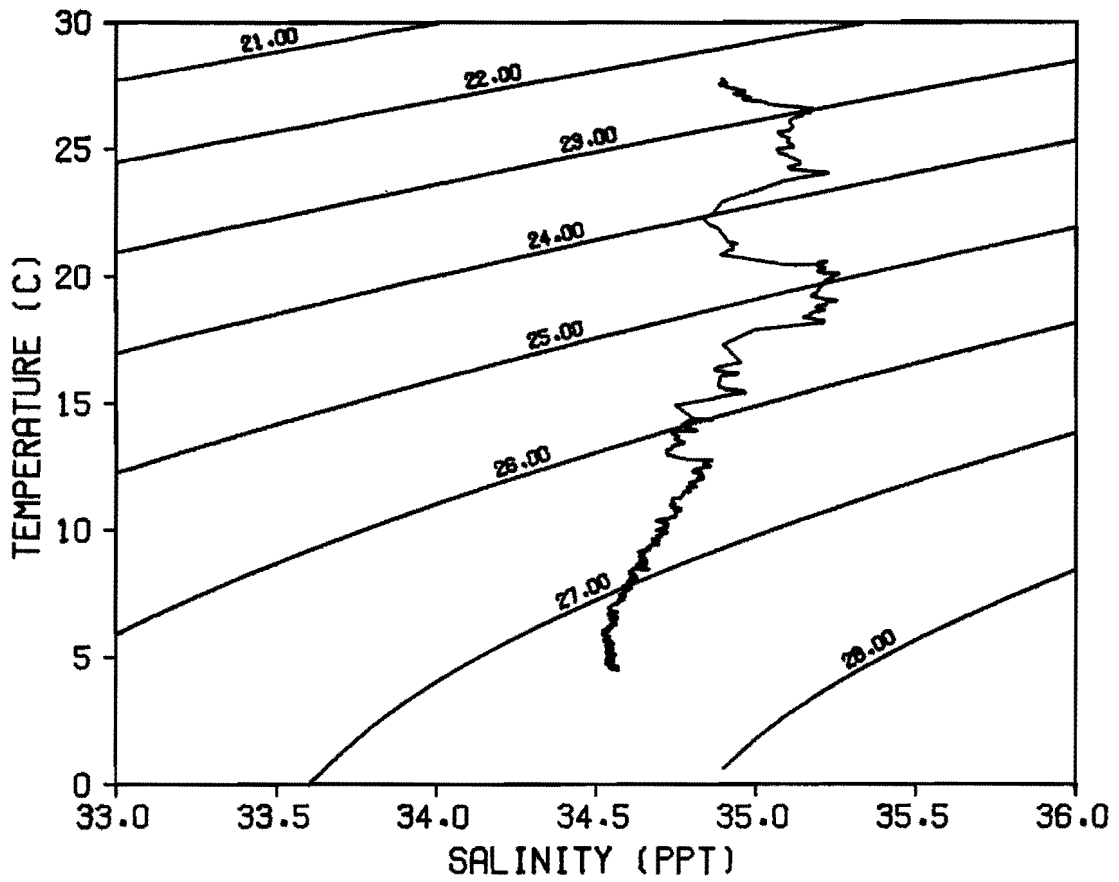


CAST EP3-79-OC-006 DATE 23 APR 79 TIME 0228 GMT
 LAT 00 41.5N LONG 153 05.8W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 100 T SPD 09 KT VISIBILITY 8 M
 CLOUD 9 AMOUNT 2 DRY 27.9 WET 25.8

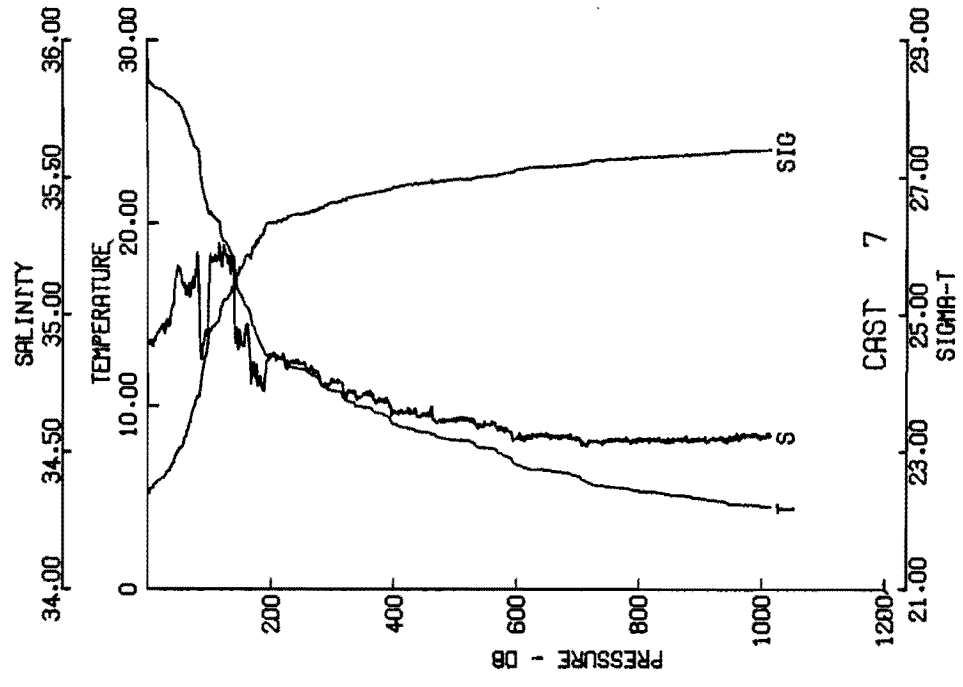


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	28.051	34.985	22.395	.000
2	27.894	34.926	22.423	.054
10	27.462	34.914	22.527	.107
20	27.293	34.979	22.627	.159
30	27.155	34.996	22.684	.210
40	26.820	35.019	22.808	.260
50	26.484	35.157	23.024	.307
60	25.541	35.127	23.290	.352
70	24.559	35.178	23.627	.394
80	24.013	35.282	23.869	.433
90	21.735	34.951	24.476	.468
100	20.682	35.207	24.878	.500
110	20.296	35.233	25.122	.530
120	19.289	35.207	25.245	.558
130	18.825	35.213	25.455	.610
140	18.183	34.975	25.753	.657
150	18.690	34.947	26.008	.678
160	15.874	34.871	26.163	.716
170	15.167	34.775	26.335	.800
180	14.110	34.793	26.480	.879
190	13.457	34.847	26.671	.950
200	12.757	34.761	26.771	1.017
250	12.044	34.732	26.848	1.078
300	9.949	34.645	26.948	1.137
350	9.076	34.609	27.051	1.194
400	8.547	34.645	27.148	1.248
450	8.120	34.586	27.178	1.347
500	7.689	34.573	27.214	1.438
550	6.745	34.561	27.274	1.482
600	6.505	34.545	27.300	1.524
650	5.172	34.545	27.350	1.565
700	5.623	34.570	27.411	1.605
750	5.366	34.559		
800	5.190	34.559		
850	4.968	34.559		
900	4.621	34.559		
950	4.494	34.559		
1000	4.431	34.559		
1022				

CAST EP3-79-0C-07 DATE 23 APR 79 TIME 0357 GMT
LAT 00 41.5N LONG 153 05.3W

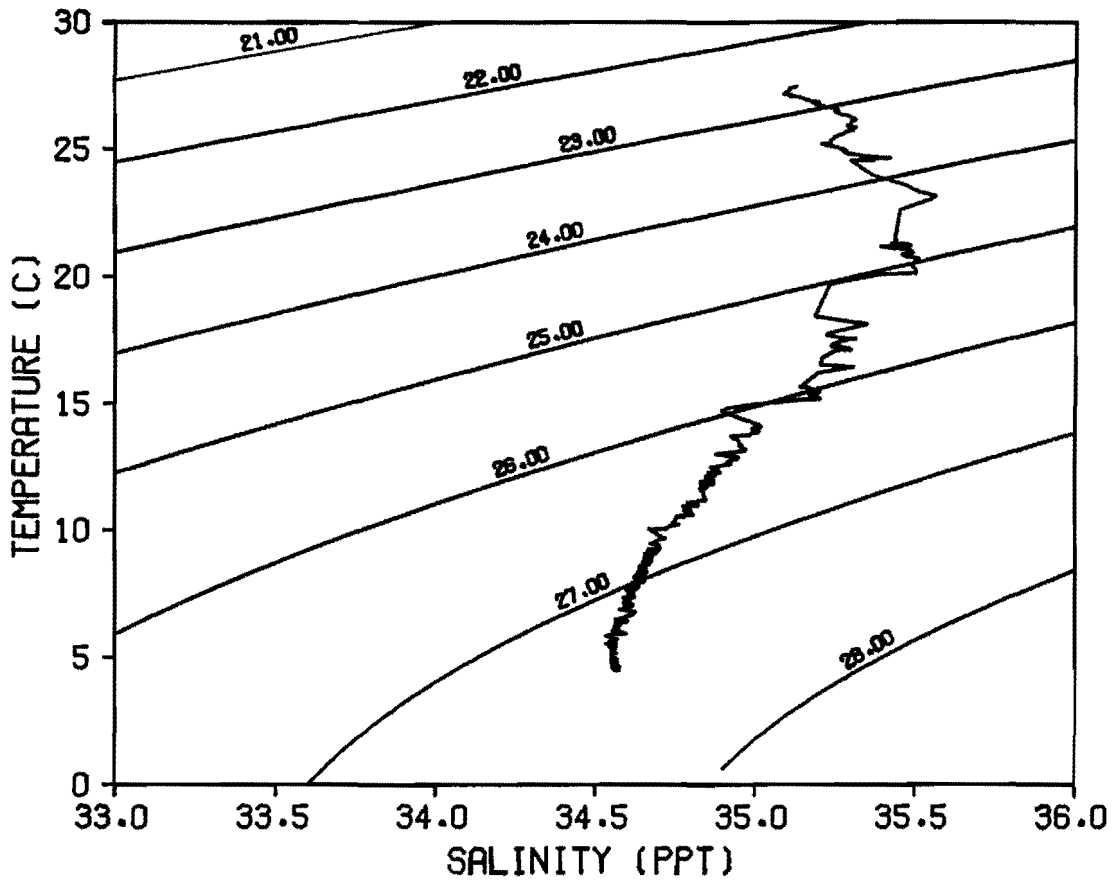


CAST EP3-79-0C-007 DATE 23 APR 79 TIME 0357 GMT
 LAT 00 41.5N LONG 153 05.3W WEATHER 2 SEA STATE 3
 BAROMETER 12 WIND DIR 100 T SPD 10 K T VISIBILITY 8
 CLOUD 3 AMOUNT 7 DRY 27.8 WET 25.8 DEPTH M

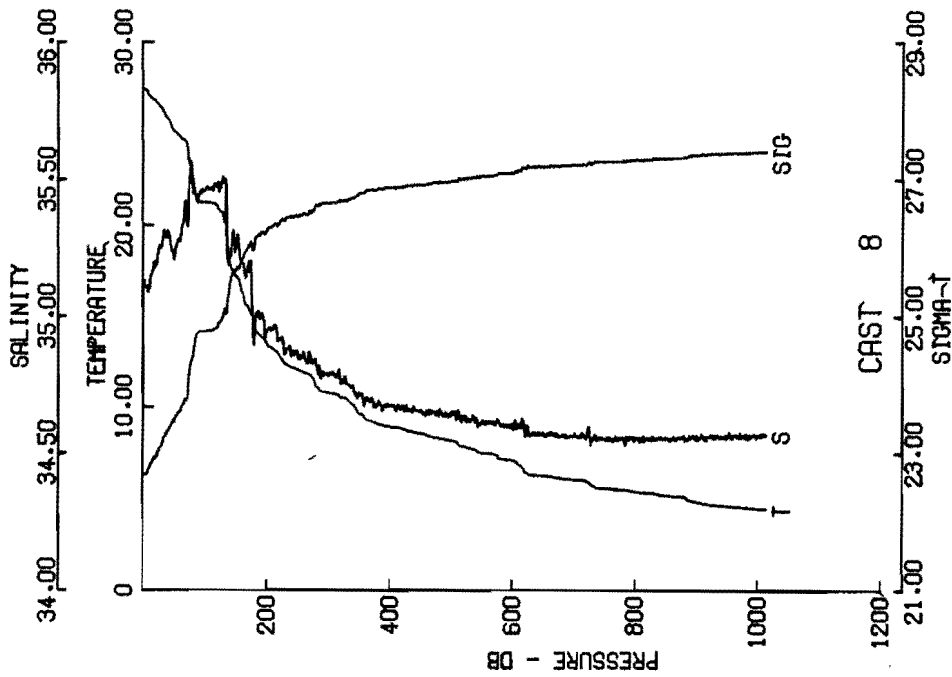


DEPTH (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-SI
0	27.953	34.880	22.333	.000
3	27.780	34.891	22.499	.054
10	27.492	34.946	22.595	.107
20	27.315	34.941	22.652	.160
30	27.129	35.045	22.790	.211
40	26.888	35.177	23.001	.261
50	25.887	35.119	23.173	.316
60	24.853	35.069	23.456	.399
70	24.094	35.215	23.794	.439
80	23.181	35.381	24.174	.475
90	22.012	35.518	24.661	.506
100	19.298	35.518	25.101	.537
110	18.076	35.142	25.379	.565
120	16.174	34.946	25.683	.592
130	14.485	34.759	25.950	.618
140	13.560	34.784	26.191	.641
150	13.251	34.757	26.394	.663
160	12.843	34.823	26.541	.720
170	12.793	34.765	26.641	.804
180	11.831	34.704	26.747	.883
190	9.016	34.633	26.860	.955
200	8.143	34.613	26.919	1.022
250	7.711	34.600	27.023	1.084
300	6.802	34.548	27.115	1.103
350	6.572	34.520	27.165	1.250
400	5.569	34.535	27.290	1.359
450	5.170	34.542	27.306	1.451
500	4.961	34.547	27.336	1.495
550	4.536	34.546	27.390	1.538
600	4.497	34.559	27.404	1.620
650				
700				
750				
800				
850				
900				
950				
1000				
1014				

CAST EP3-79-0C-08 DATE 24 APR 79 TIME 0115 GMT
LAT 0 00.2S LONG 152100.3W

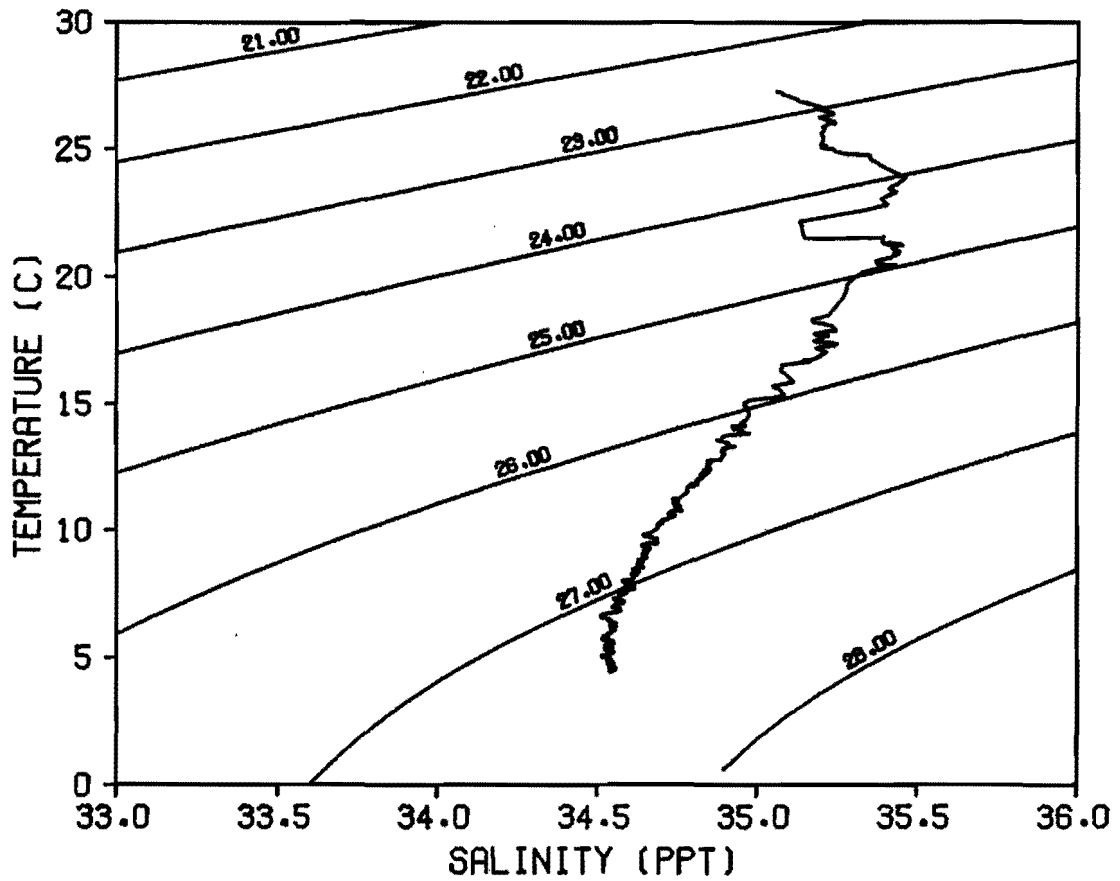


CAST EP3-79-DC-008 DATE 24 APR 79 TIME 0115 GMT
 LAT 0.00.25 LONG 152100.3M WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 110 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 28.0 WET 25.3 DEPTH M

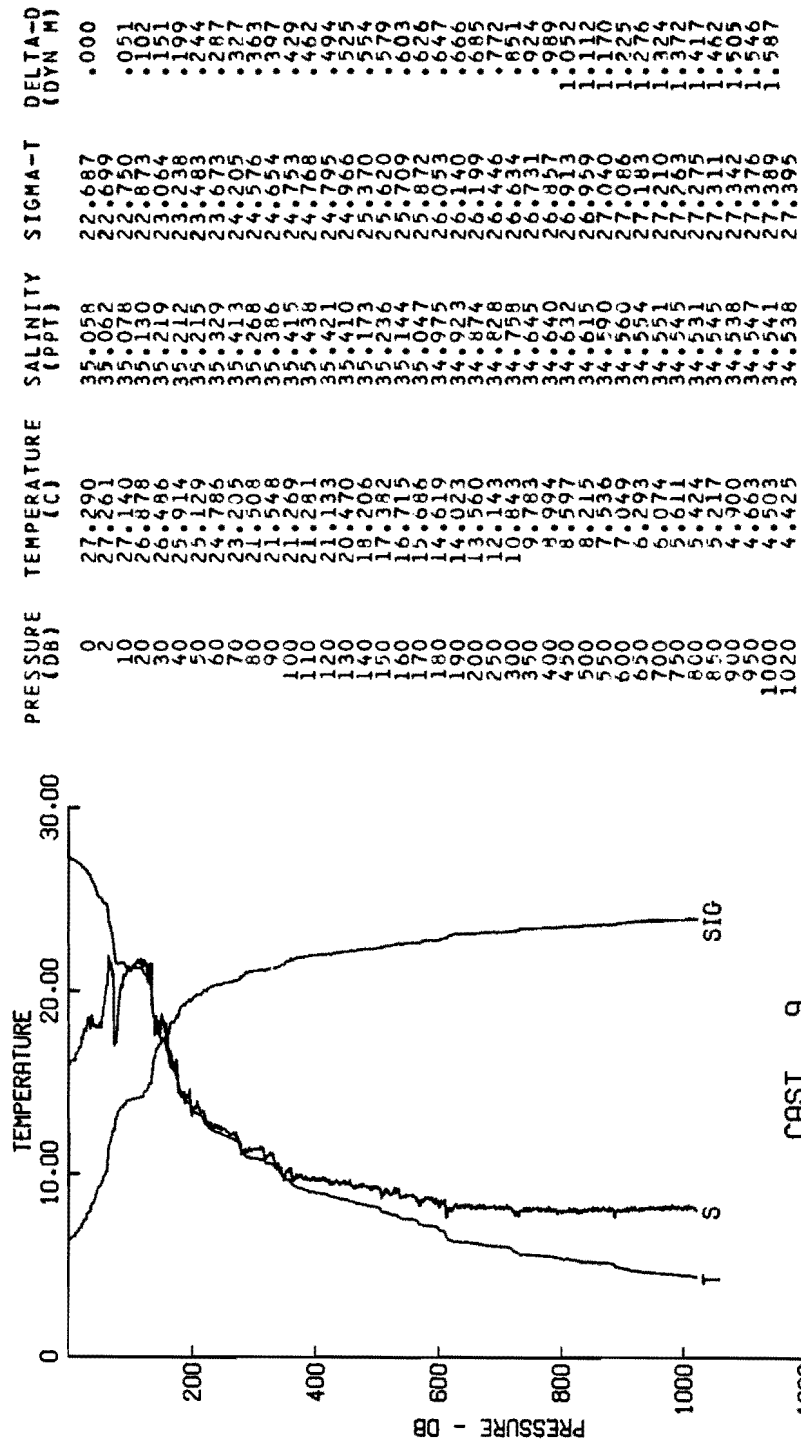


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	27.503	35.132	22.674	.000
3	27.461	35.114	22.685	.082
10	27.128	35.115	22.781	.150
20	26.844	35.149	22.925	.197
30	26.897	35.203	23.312	.242
40	25.895	35.233	23.474	.288
50	25.200	35.274	23.703	.328
60	24.810	35.302	23.783	.367
70	22.824	35.427	24.386	.401
80	21.287	35.464	24.784	.433
90	21.128	35.475	24.794	.465
100	21.128	35.502	24.803	.497
110	20.173	35.501	25.008	.528
120	19.272	35.230	25.389	.557
130	17.515	35.201	25.647	.581
140	16.599	35.165	25.800	.605
150	15.899	34.989	25.984	.626
160	14.000	34.989	25.974	.647
170	13.615	34.874	26.190	.664
180	12.128	34.874	26.245	.684
190	10.810	34.789	26.485	.700
200	9.705	34.670	26.664	.718
250	8.980	34.654	26.887	.744
300	8.219	34.634	26.930	.764
350	7.538	34.607	27.073	.784
400	7.149	34.607	27.052	.804
450	6.076	34.575	27.110	.824
500	5.600	34.553	27.201	.844
550	5.444	34.554	27.271	.864
600	5.223	34.554	27.281	.884
650	4.888	34.559	27.322	.904
700	4.643	34.548	27.392	.924
750	4.497	34.560	27.405	.944
800	4.485	34.568	27.412	.964
850				
900				
950				
1000				
1014				

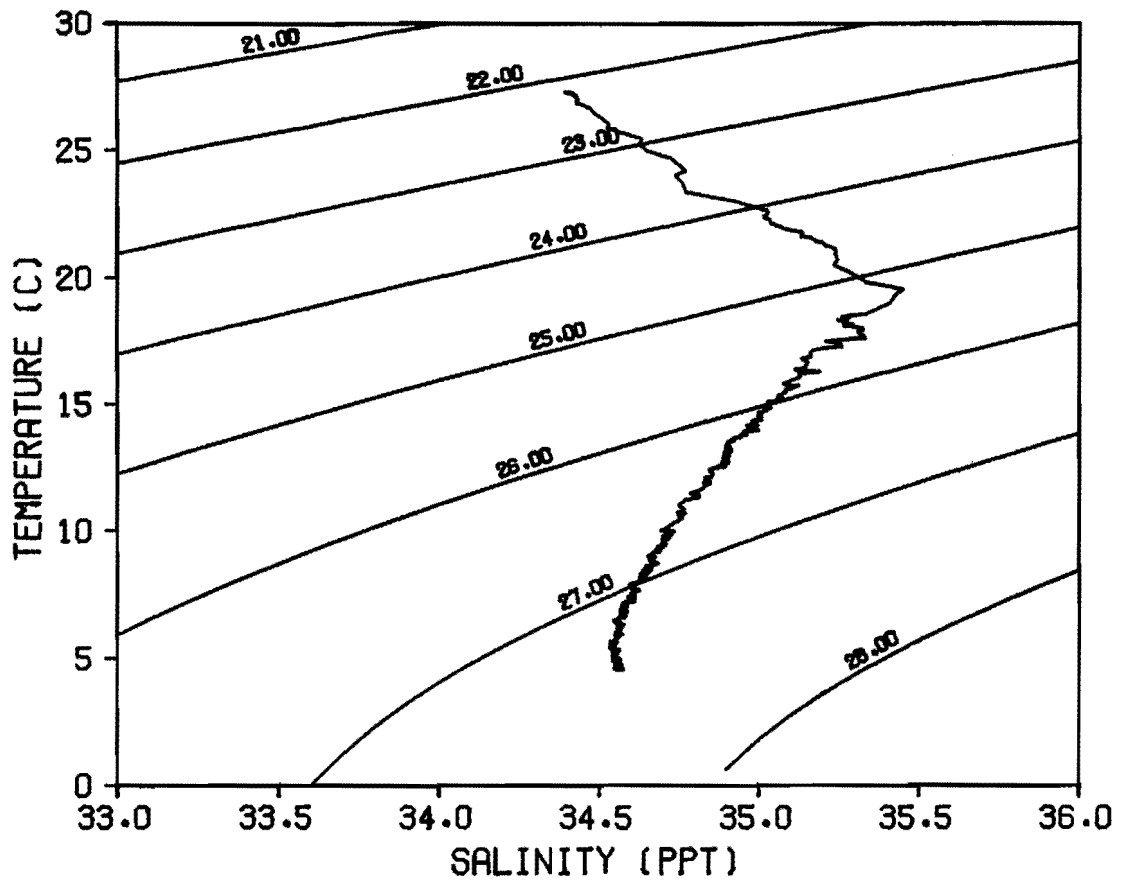
CAST EP3-79-0C-09 DATE 24 APR 79 TIME 0153 GMT
LAT 0 00.3S LONG 152 00.1W



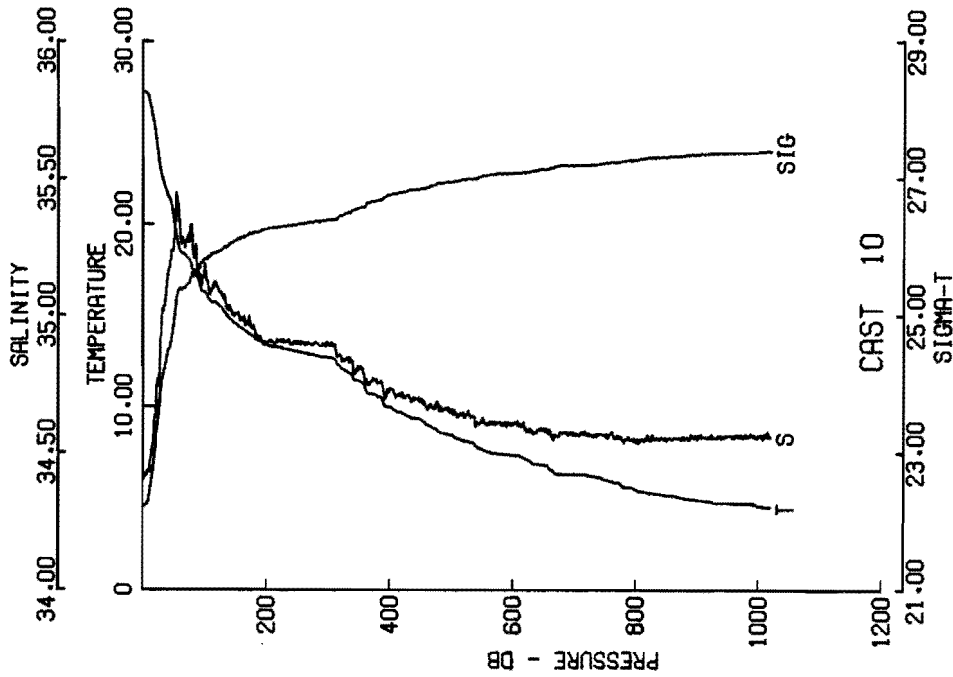
CAST 883-79-DC-009 DATE 24 APR 79 TIME 0153 GMT
 LAT 00 00.3S LONG 152 00.1W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 110 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 28.0 WET 25.3 DEPTH M



CAST EP3-79-0C-10 DATE 02 MAY 79 TIME 1437 GMT
LAT 0 03.4S LONG 110 31.0W

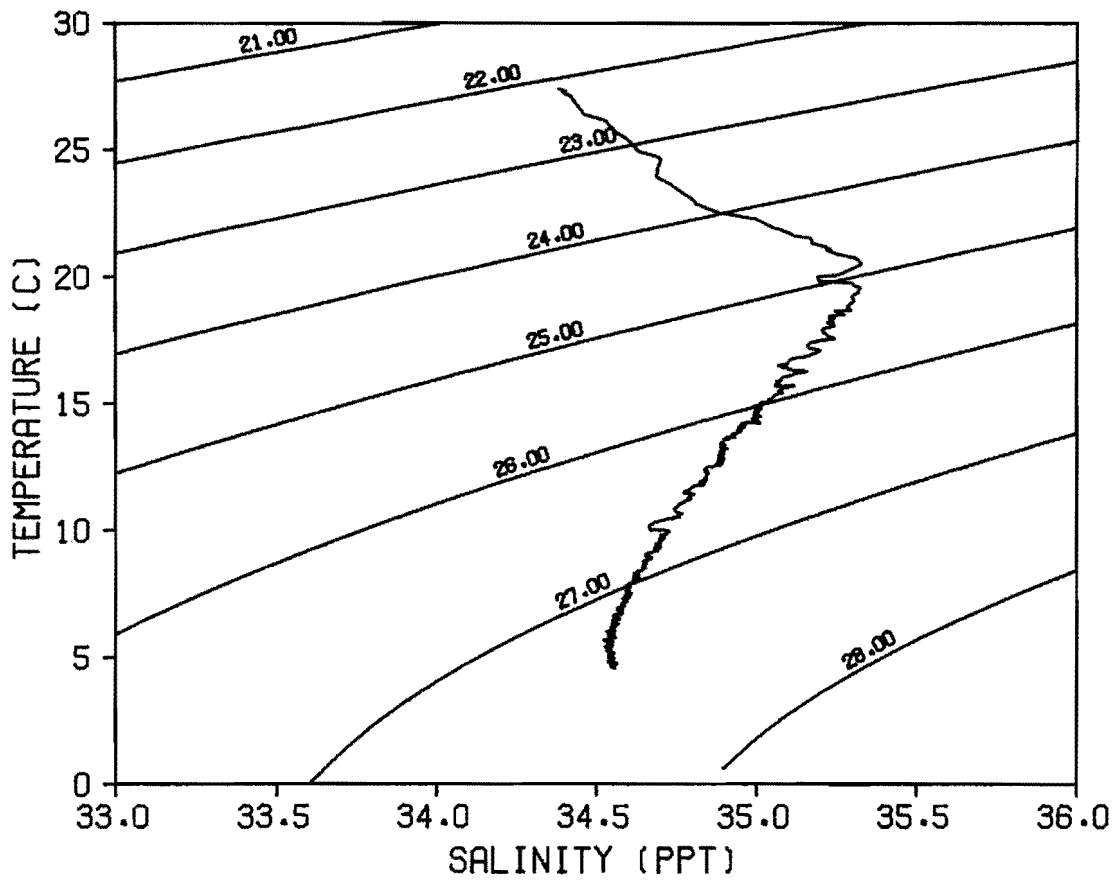


CAST EP3-79-DC-010 DATE 02 MAY 79 TIME 1437 GMT
 LAT 00 03.45 LONG 110 31.0W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 110 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 26.0 WET 24.0 DEPTH M



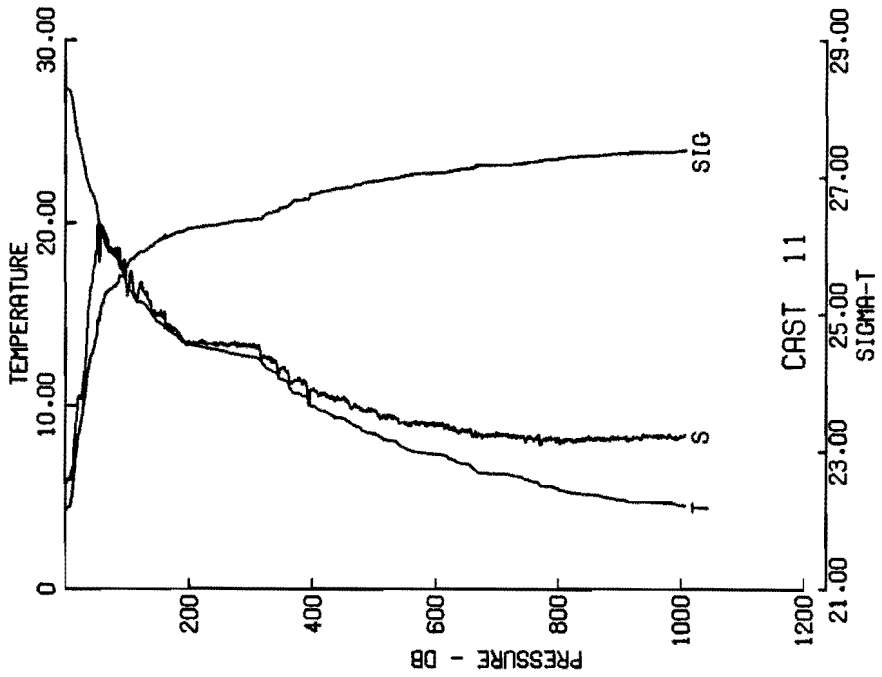
DEPTH (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	27.275	34.396	22.194	.000
10	27.248	34.434	22.207	.056
20	27.210	34.475	22.307	.108
30	22.809	34.4975	23.087	.190
40	20.637	34.975	24.437	.223
50	18.553	35.1273	24.911	.251
60	18.250	35.334	25.406	.277
70	17.533	35.443	25.563	.302
80	16.878	35.261	25.684	.326
90	16.295	35.162	25.844	.349
100	15.751	35.193	25.897	.370
110	15.662	35.109	25.925	.392
120	15.311	35.058	25.965	.413
130	14.836	35.003	26.054	.433
140	14.274	34.984	26.055	.453
150	14.035	34.968	26.134	.473
160	13.792	34.963	26.219	.492
170	13.570	34.923	26.235	.519
180	13.361	34.896	26.237	.548
190	13.010	34.894	26.334	.577
200	12.622	34.889	26.386	.607
250	11.421	34.807	26.569	.800
300	9.298	34.726	26.849	.947
350	7.459	34.655	26.953	1.009
400	6.691	34.617	27.039	1.068
450	6.325	34.608	27.081	1.123
500	6.300	34.585	27.156	1.176
550	6.025	34.566	27.192	1.225
600	5.503	34.563	27.225	1.275
650	5.166	34.555	27.276	1.325
700	4.748	34.552	27.325	1.368
750	4.575	34.561	27.378	1.409
800	4.533	34.561	27.395	1.449
850		34.559	27.400	
900				
950				
1000				
1019				

CAST EP3-79-0C-11 DATE 02 MAY 79 TIME 1541 GMT
LAT 0 01.6S LONG 110 30.5W



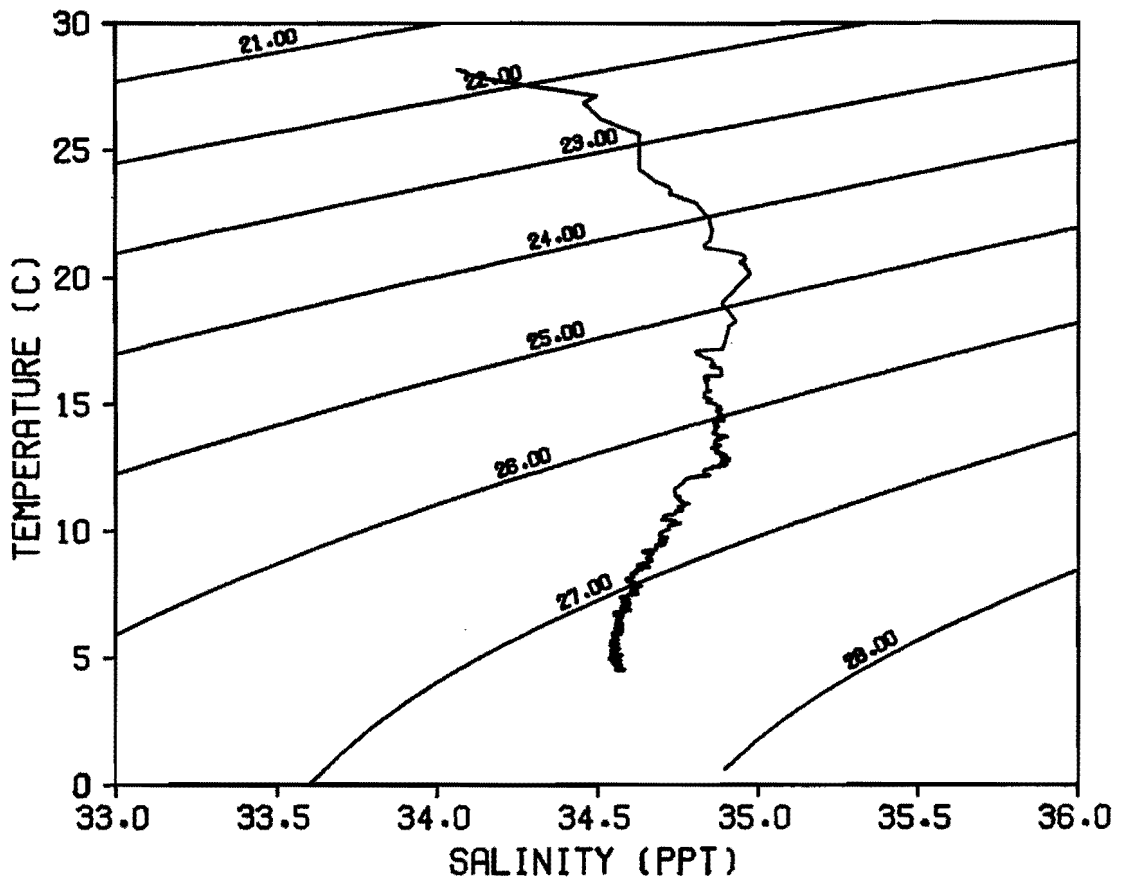
CAST EP3-79-0C-011 DATE 02 MAY 79 TIME 1541 GMT
 LAT 00 01.6S LONG 110 30.5W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 110 T SPD 12 KT VISIBILITY 9
 CLOUD 8 AMOUNT 3 DRY 27.8 WET 24.2

DEPTH (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	27.413	34.383	22.149	.000
10	26.940	34.430	22.127	.056
20	24.703	34.697	22.321	.108
30	23.271	34.777	23.3705	.153
40	21.839	35.083	24.364	.192
50	21.056	35.221	24.664	.226
60	19.471	35.325	25.154	.256
70	18.204	35.407	25.347	.284
80	17.476	35.558	25.559	.310
90	16.508	35.618	25.681	.335
100	16.038	35.081	25.818	.359
110	15.716	35.005	25.905	.382
120	15.404	35.013	25.998	.403
130	14.597	35.005	26.080	.425
140	14.358	34.946	26.169	.446
150	13.843	34.944	26.193	.485
160	13.585	34.912	26.263	.505
170	13.359	34.892	26.317	.524
180	13.046	34.841	26.377	.542
190	12.704	34.804	26.437	.561
200	11.958	34.725	26.563	.739
250	9.314	34.647	26.843	.866
300	8.713	34.607	27.027	.963
350	7.354	34.580	27.199	1.085
400	6.286	34.572	27.339	1.140
450	5.983	34.538	27.411	1.194
500	5.159	34.541	27.275	1.244
550	4.899	34.554	27.346	1.293
600	4.745	34.559	27.374	1.343
650	4.561	34.561	27.397	1.426
700			27.399	1.467
750				
800				
850				
900				
950				
1000				
1007				

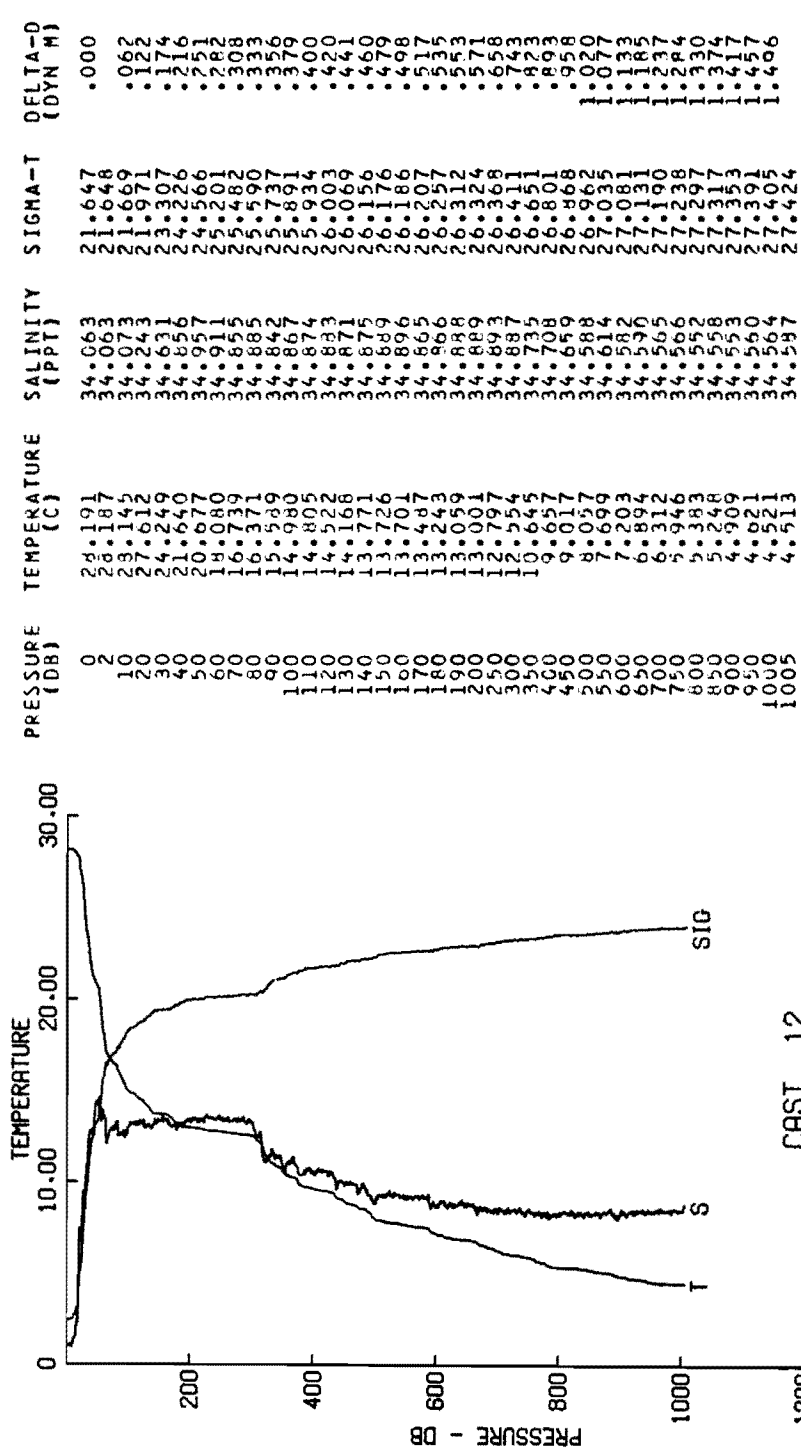


CAST 11

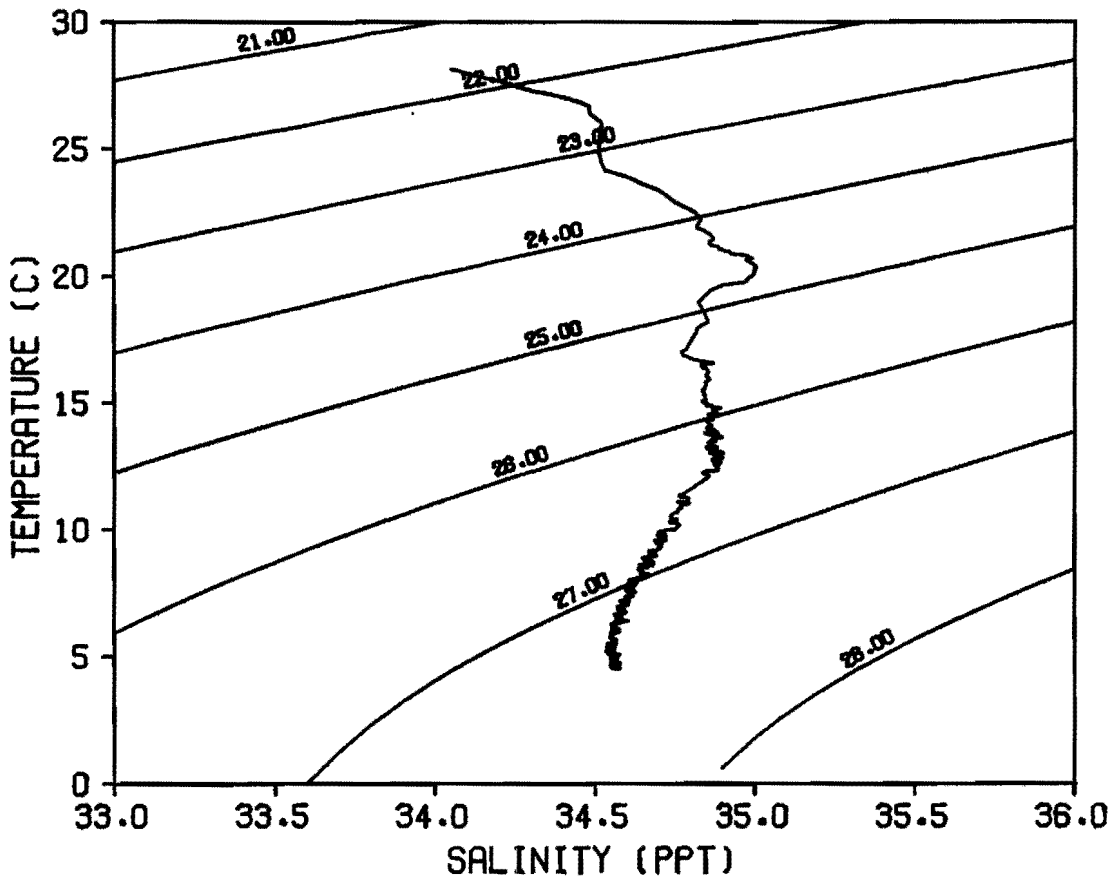
CAST EP3-79-0C-12 DATE 03 MAY 79 TIME 0438 GMT
LAT 00 38.8N LONG 109 53.5W



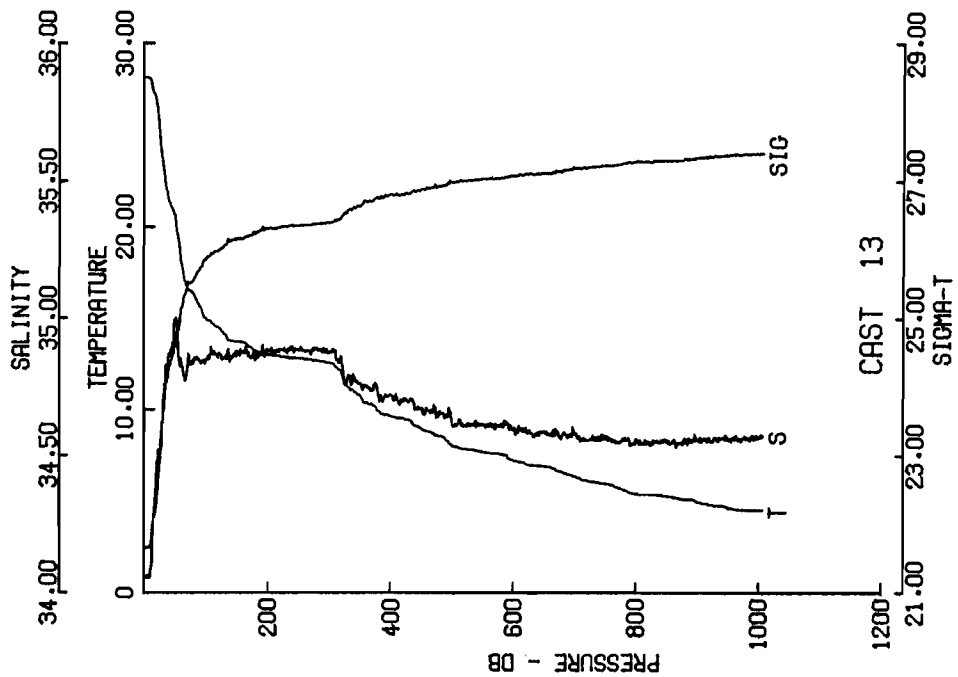
CAST EP3-73-0C-012 DATE 03 MAY 79 TIME 0438 GMT
 LAT 30 38.8N LONG 109 53.5W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 130 T SPD 11 KT VISIBILITY 8
 CLOUD 8 AMOUNT 5 DRY 26.0 WET 24.0



CAST EP3-79-0C-13 DATE 03 MAY 79 TIME 0534 GMT
LAT 00 38.8N LONG 109 53.0W

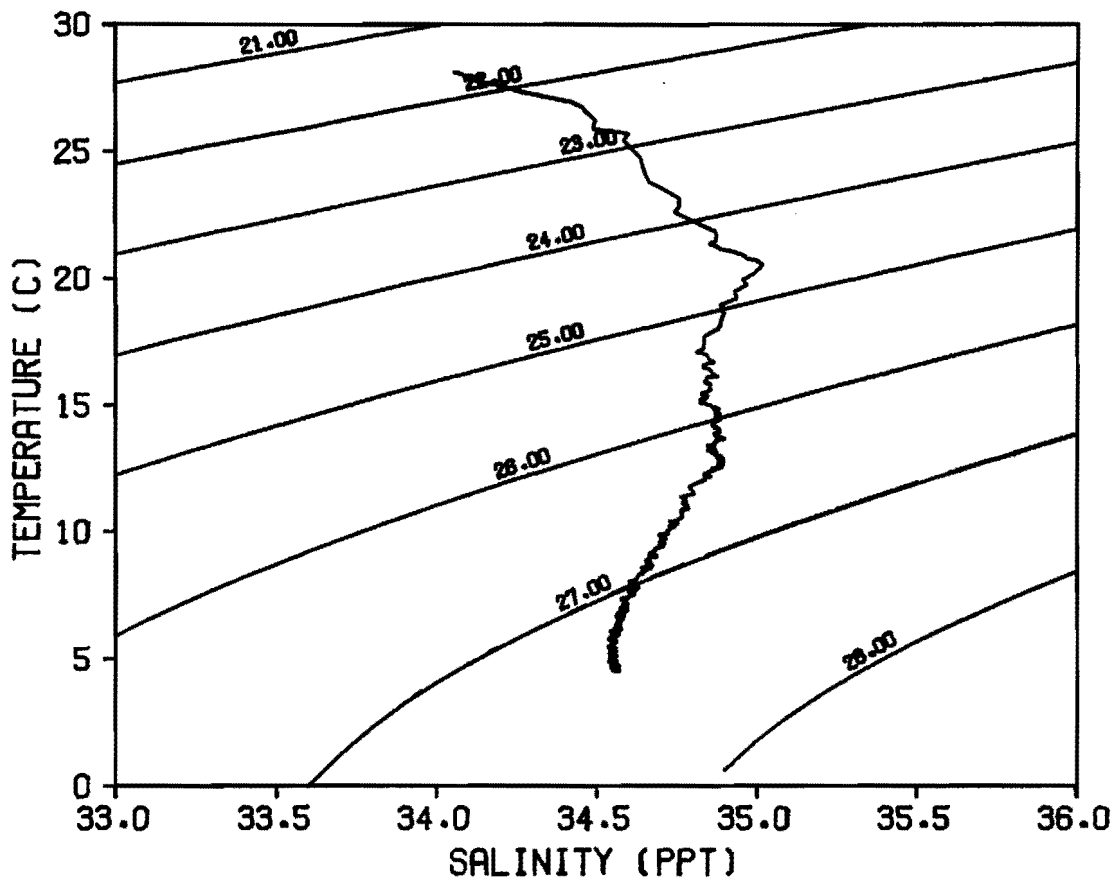


CAST EP3-79-OC-013 DATE 03 MAY 79 TIME 0534 GMT
 LAT 00 38.8N LONG 109 53.0W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 130 T SPD 11 KT VISIBILITY 8
 CLOUD 8 AMOUNT 6 DRY 26.0 WET 24.0 DEPTH M

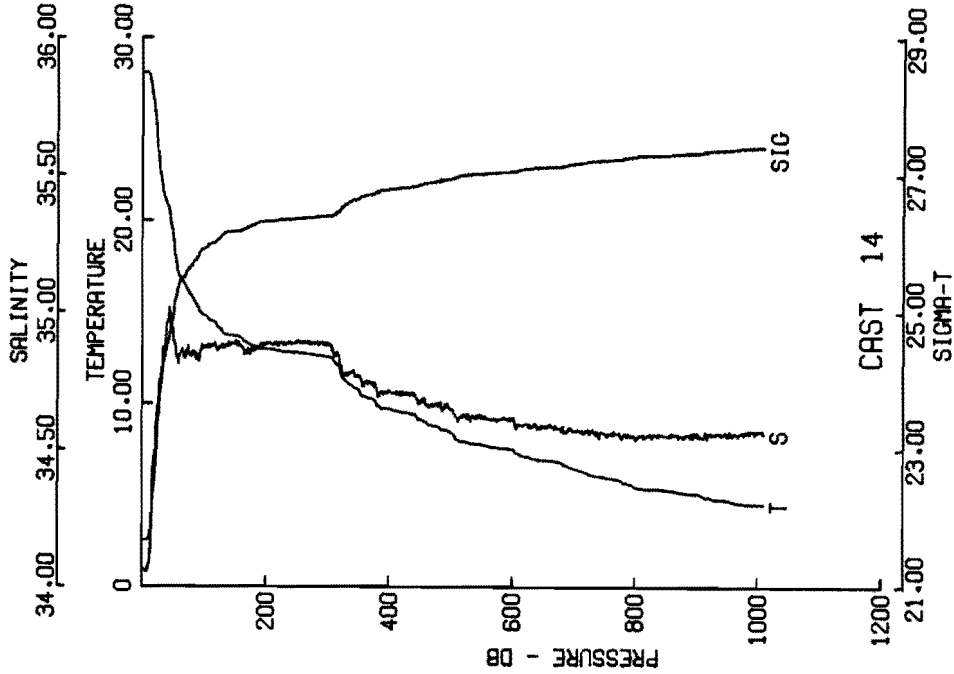


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-0 (DYN M)
0	28.144	34.056	21.657	.000
1	28.135	34.064	21.666	.062
10	28.105	34.058	21.672	.120
20	27.075	34.383	22.249	.171
30	23.898	34.804	23.391	.212
40	21.993	34.859	24.588	.247
50	20.706	34.855	25.129	.279
60	18.196	34.807	25.465	.306
70	16.731	34.846	25.563	.321
80	16.363	34.846	25.571	.325
90	15.702	34.842	25.586	.327
100	15.017	34.871	25.863	.399
110	14.535	34.854	25.978	.419
120	14.168	34.854	26.056	.440
130	13.770	34.858	26.147	.459
140	13.375	34.877	26.169	.478
150	13.715	34.877	26.169	.478
160	13.477	34.877	26.218	.516
170	13.265	34.849	26.240	.535
180	13.103	34.873	26.292	.553
190	13.012	34.874	26.311	.571
200	12.808	34.888	26.362	.658
250	12.588	34.875	26.396	.745
300	10.583	34.762	26.638	.825
350	9.687	34.721	26.806	.894
400	9.020	34.670	26.942	.960
450	8.101	34.618	27.036	1.021
500	7.713	34.592	27.082	1.079
550	7.271	34.590	27.123	1.137
600	6.913	34.585	27.123	1.187
650	6.363	34.570	27.203	1.239
700	5.960	34.542	27.283	1.287
750	5.429	34.553	27.309	1.337
800	5.287	34.553	27.346	1.377
850	5.013	34.550	27.383	1.420
900	4.691	34.559	27.407	1.461
950	4.523	34.566	27.412	1.501
1000	4.523	34.573	27.412	1.501

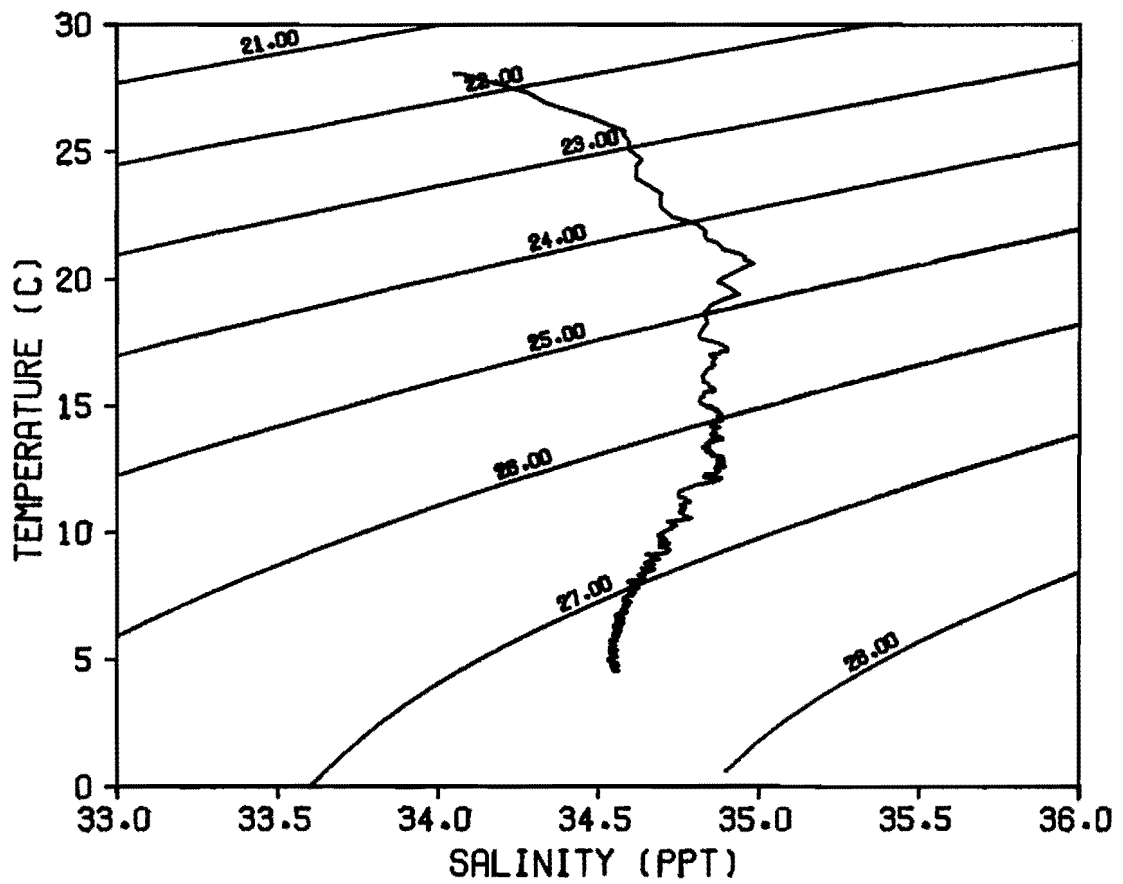
CAST EP3-79-0C-14 DATE 03 MAY 79 TIME 0642 GMT
LAT 00 38.8N LONG 109 53.0W



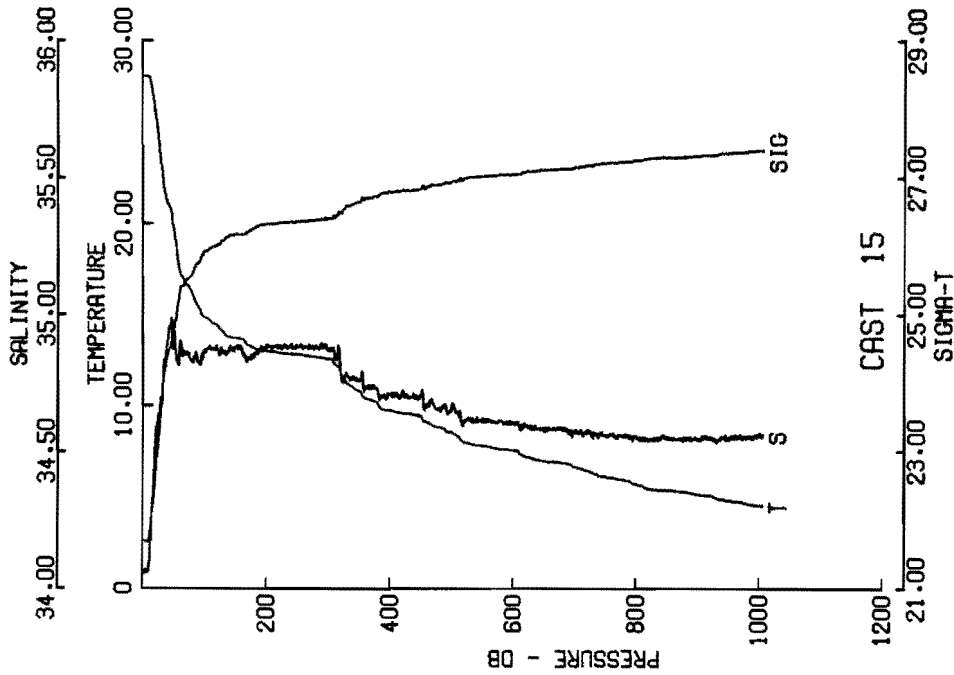
CAST EP3-79-DC- 14 DATE 03 MAY 79 TIME 0642 GMT
 LAT 00 38.8N LONG 109 53.0W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 130 T SPD 11 KT VISIBILITY 8
 CLOUD 8 AMOUNT 6 DRY 26.0 WET 24.0 DEPTH M



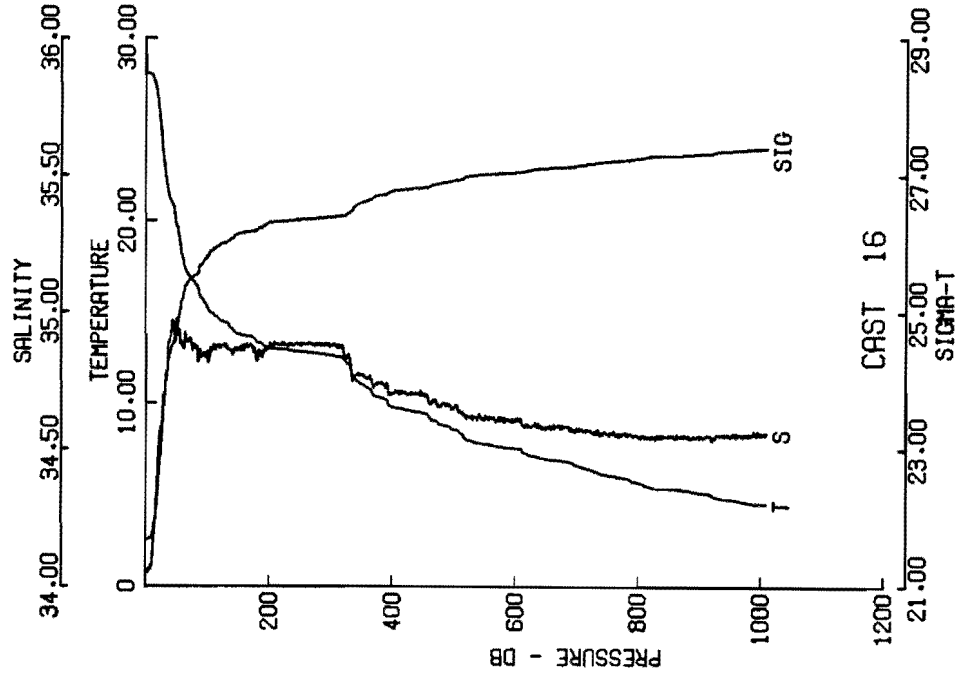
CAST EP3-79-0C-15 DATE 03 MAY 79 TIME 0745 GMT
LAT 00 55.0N LONG 109 58.0W



CAST EP3-73-DC-015 DATE 03 MAY 79 TIME 0745 GMT
 LAT 00 55.04 LONG 109 58.0W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 120 T SPD 10 KT VISIBILITY 9
 CLOUD 2 AMOUNT 6 DRY 20.6 WET 20.4 DEPTH M

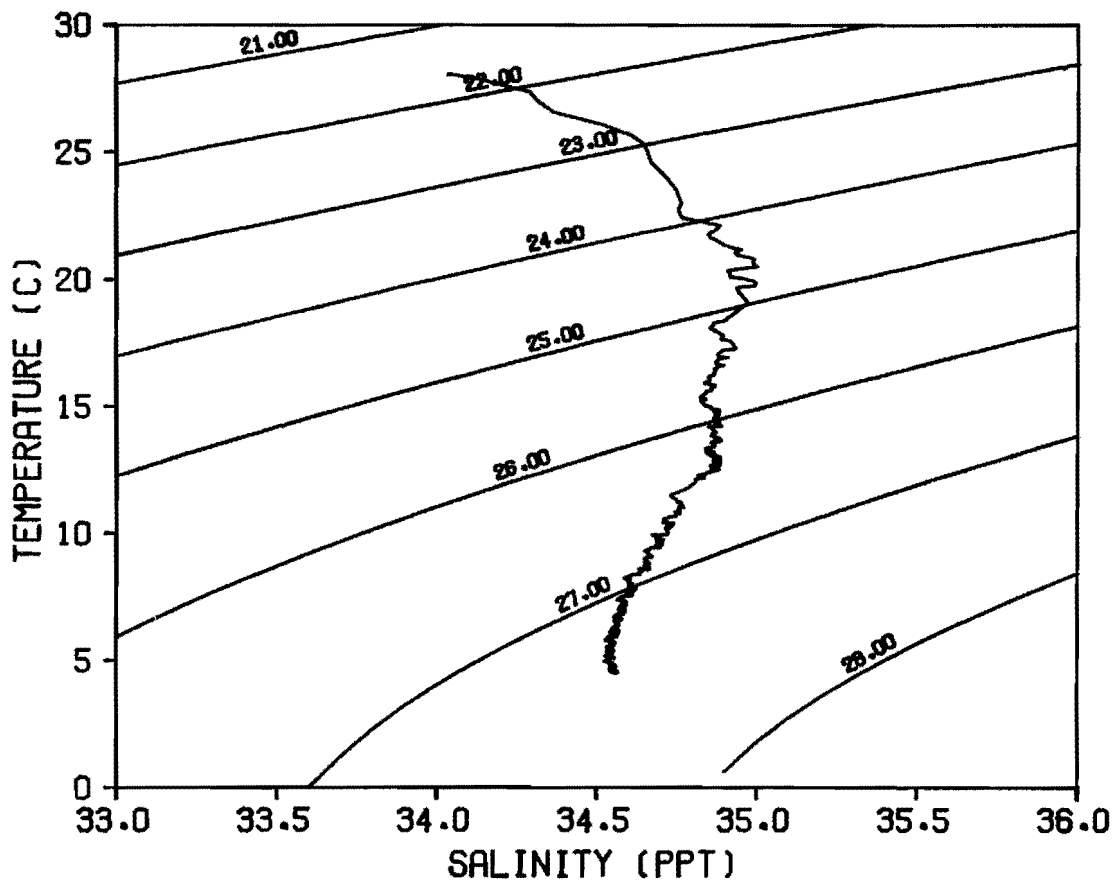


CAST FP3-79-0C-016 DATE 03 MAY 79 TIME 0849 GMT
 LAT 00 52.2N LONG 109 58.9W WEATHER 2 SEA STATE 3
 BAROMETER 10 WIND DIR 110 T SPD 10 KT VISIBILITY 9
 CLOUD 8 AMOUNT 6 DRY 25.5 WET 24.0 DEPTH M

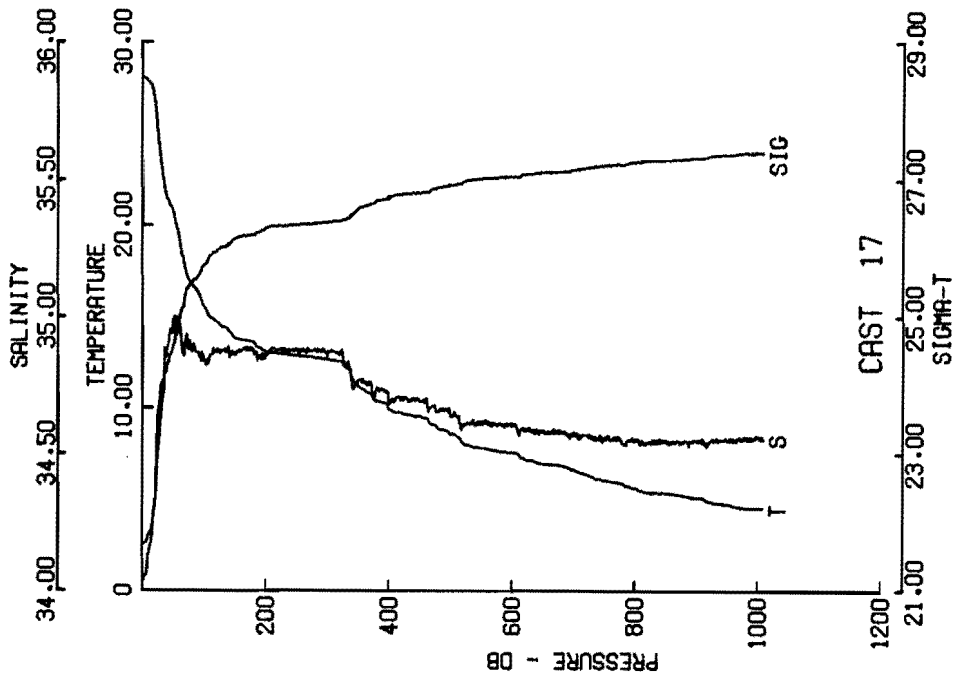


DEPTH (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	28.062	34.046	21.678	.000
10	28.060	34.077	21.678	.061
20	28.478	34.465	22.500	.120
30	23.157	34.665	23.604	.168
40	21.129	34.805	24.404	.206
50	19.050	34.978	24.846	.239
60	17.978	34.871	25.196	.269
70	16.969	34.895	25.458	.296
80	16.551	34.868	25.536	.321
90	15.762	34.839	25.595	.345
100	15.196	34.845	25.625	.368
110	14.817	34.854	25.640	.389
120	14.562	34.872	25.648	.410
130	14.440	34.868	25.608	.431
140	14.075	34.853	25.607	.451
150	13.780	34.867	25.614	.470
160	13.672	34.859	25.615	.489
170	13.373	34.822	25.618	.508
180	13.199	34.861	25.619	.527
190	13.024	34.876	25.630	.546
200	12.847	34.888	25.639	.562
250	12.642	34.880	25.634	.739
300	11.063	34.768	25.630	.821
350	9.793	34.702	25.677	.894
400	9.470	34.695	25.822	.961
500	8.380	34.621	26.931	1.024
550	7.804	34.614	27.020	1.083
600	7.580	34.600	27.044	1.140
650	6.639	34.571	27.104	1.194
700	6.109	34.577	27.156	1.247
750	5.109	34.557	27.210	1.297
800	4.695	34.547	27.254	1.344
850	4.373	34.542	27.290	1.389
900	4.133	34.543	27.317	1.433
950	4.179	34.543	27.359	1.476
1000	4.524	34.559	27.400	1.516
1009	4.524	34.557	27.399	1.516

CAST EP3-79-0C-17 DATE 03 MAY 79 TIME 0948 GMT
LAT 00 39.5N LONG 109 56.3W

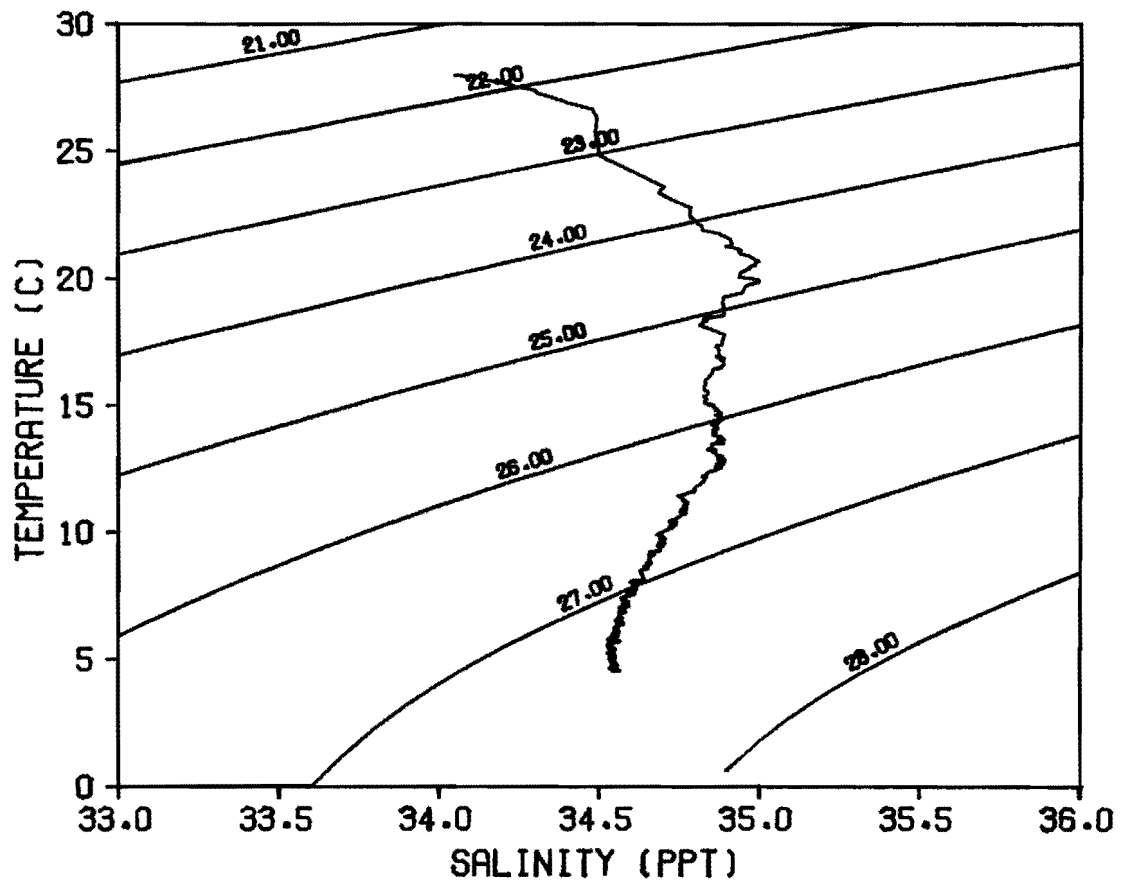


CAST EP3-79-0C-017 DATE 03 MAY 79 TIME 0948 GMT
 LAT 00 39.5N LONG 109 56.3W WEATHER 2 SEA STATE 3
 BAROMETER 10 WIND DIR 110 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 6 DRY 25.2 WET 23.5 DEPTH M

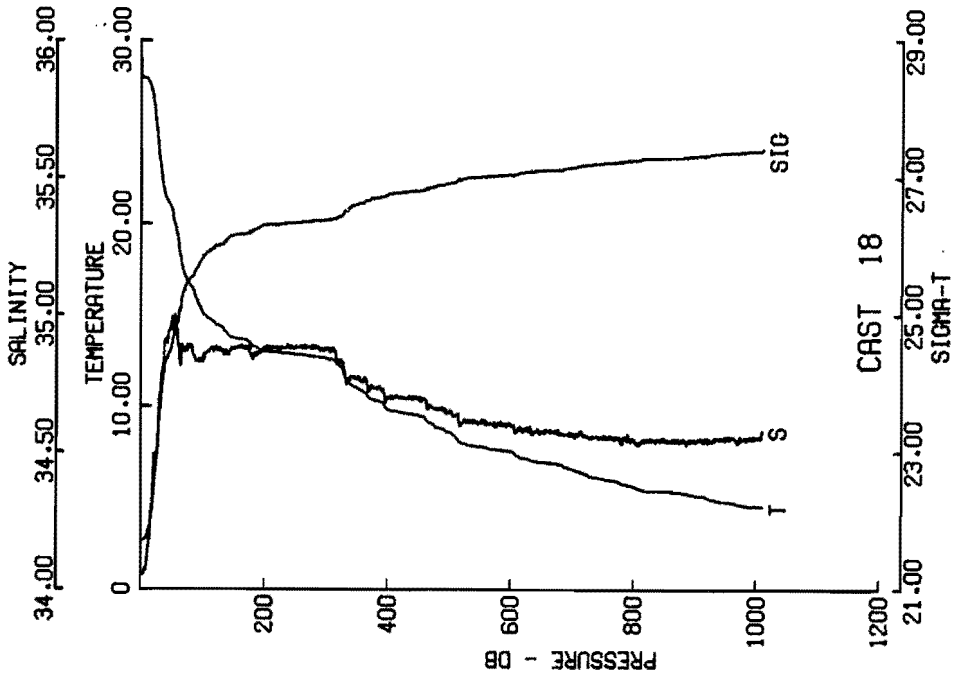


DEPTH (M)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	28.070	34.032	21.663	.000
10	27.856	34.136	21.670	.061
20	27.957	34.220	21.681	.120
30	28.585	34.748	22.359	.169
40	21.503	34.882	24.584	.244
50	19.295	34.919	24.931	.277
60	17.570	34.867	25.332	.305
70	16.770	34.841	25.488	.331
80	16.342	34.841	25.574	.350
100	14.534	34.874	25.747	.379
120	14.727	34.874	25.891	.402
140	14.444	34.875	26.015	.423
160	13.736	34.871	26.133	.444
180	13.604	34.889	26.161	.463
200	13.290	34.856	26.188	.503
250	13.073	34.871	26.194	.540
300	12.667	34.856	26.246	.559
350	11.944	34.866	26.345	.577
400	9.547	34.875	26.382	.666
450	8.593	34.890	26.415	.753
500	8.811	34.833	26.491	.837
550	7.563	34.600	26.582	.918
600	6.964	34.579	26.686	.978
700	6.071	34.551	27.013	1.043
800	5.639	34.551	27.119	1.158
900	5.105	34.550	27.157	1.213
950	4.796	34.551	27.268	1.265
1000	4.525	34.558	27.327	1.315
1008		34.555	27.369	1.368
			27.398	1.452
				1.494
				1.534

CAST EP3-79-0C-18 DATE 03 MAY 79 TIME 1025 GMT
LAT 00 39.5N LONG 109 56.5W

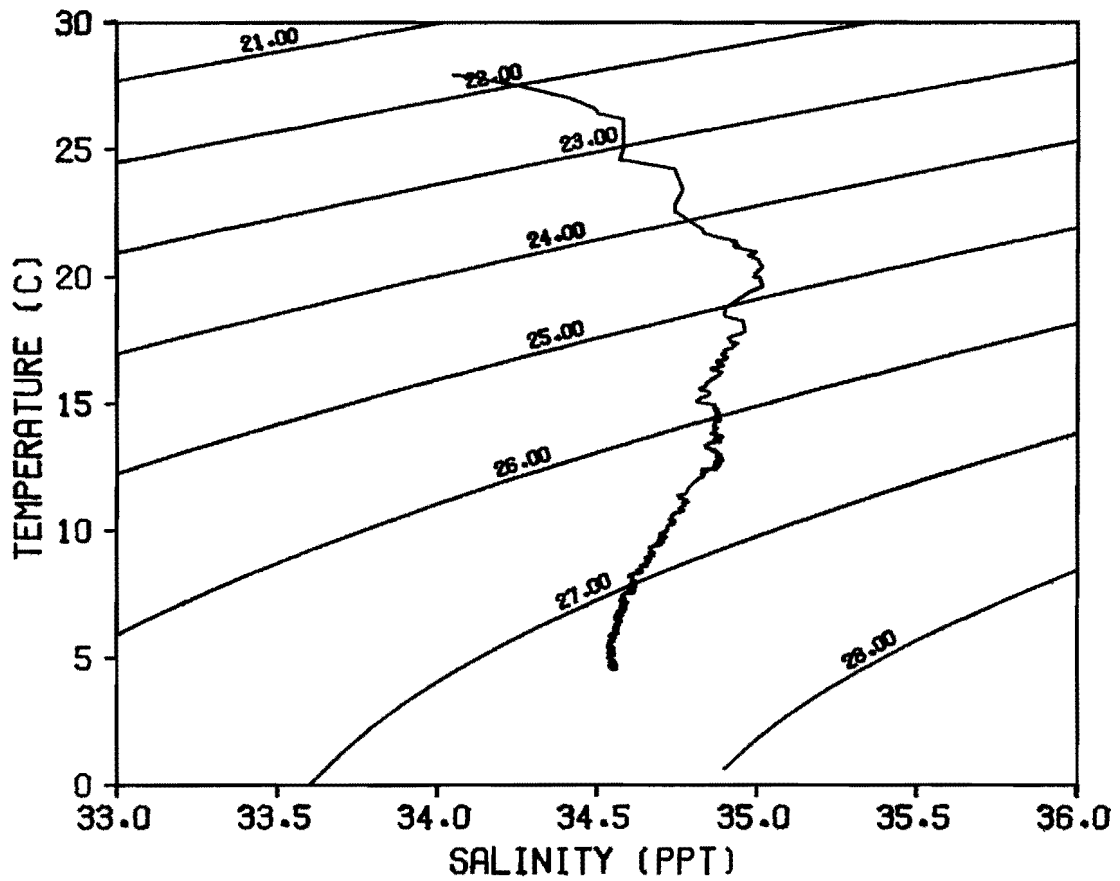


CAST EP3-79-0C-018 DATE 03 MAY 79 TIME 1025 GMT
 LAT 00 39.5N LONG 109 56.5W WEATHER 2 SEA STATE 3
 BAROMETER 09 WIND DIR 130 Y SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 8 DRY 24.6 WET 23.2 DEPTH M

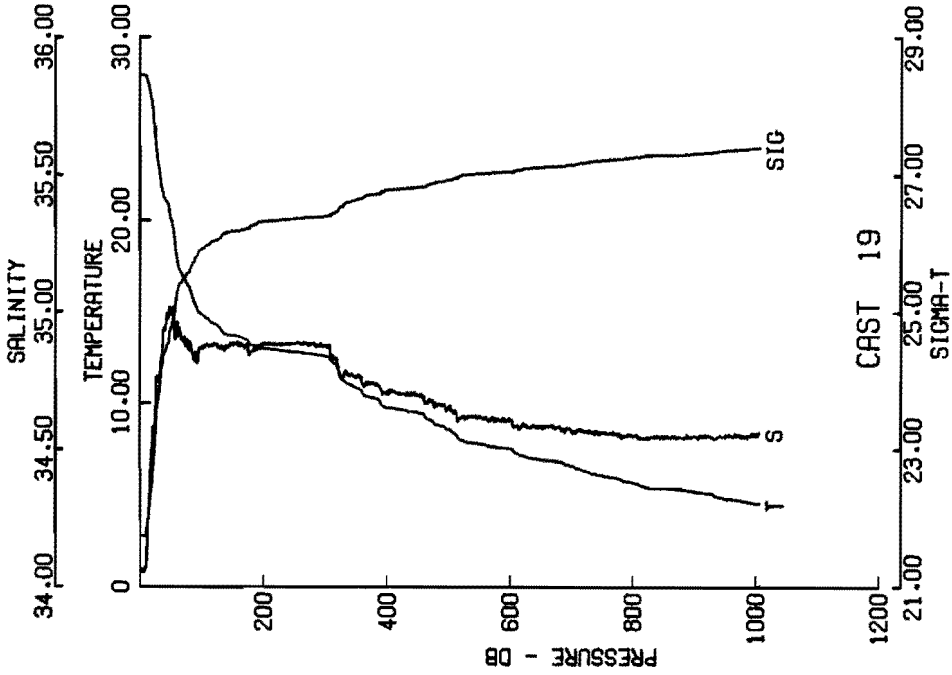


DEPTH (M)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	28.005	34.029	21.682	.000
3	27.981	34.059	21.706	.061
10	27.903	34.107	21.772	.120
20	26.873	34.107	22.331	.169
30	26.595	34.705	23.556	.244
40	21.451	34.912	24.555	.277
50	20.796	34.889	24.883	.305
60	19.276	34.864	25.348	.330
70	17.330	34.890	25.538	.355
80	16.814	34.834	25.667	.378
90	15.868	34.863	25.832	.399
100	15.110	34.875	25.993	.420
110	14.817	34.876	26.031	.440
120	14.537	34.876	26.109	.460
130	13.355	34.879	26.162	.479
140	13.757	34.886	26.186	.498
150	13.684	34.880	26.186	.517
160	13.364	34.848	26.219	.536
170	13.169	34.855	26.264	.554
180	13.015	34.876	26.311	.572
190	12.840	34.878	26.348	.590
200	12.636	34.881	26.391	.607
250	11.841	34.764	26.764	.747
300	9.517	34.699	26.817	.829
400	8.584	34.642	26.923	.901
500	7.806	34.607	27.015	.969
600	7.545	34.574	27.046	1.033
700	6.947	34.574	27.151	1.048
800	6.577	34.561	27.151	1.148
900	6.056	34.548	27.210	1.203
1000	5.367	34.544	27.263	1.255
1050	5.115	34.544	27.293	1.305
1100	4.791	34.546	27.323	1.352
1150	4.538	34.542	27.358	1.441
1200	4.527	34.555	27.396	1.483
1010		34.578	27.415	1.524

CAST EP3-79-0C-19 DATE 03 MAY 79 TIME 1125 GMT
LAT 00 39.3N LONG 109 56.6W

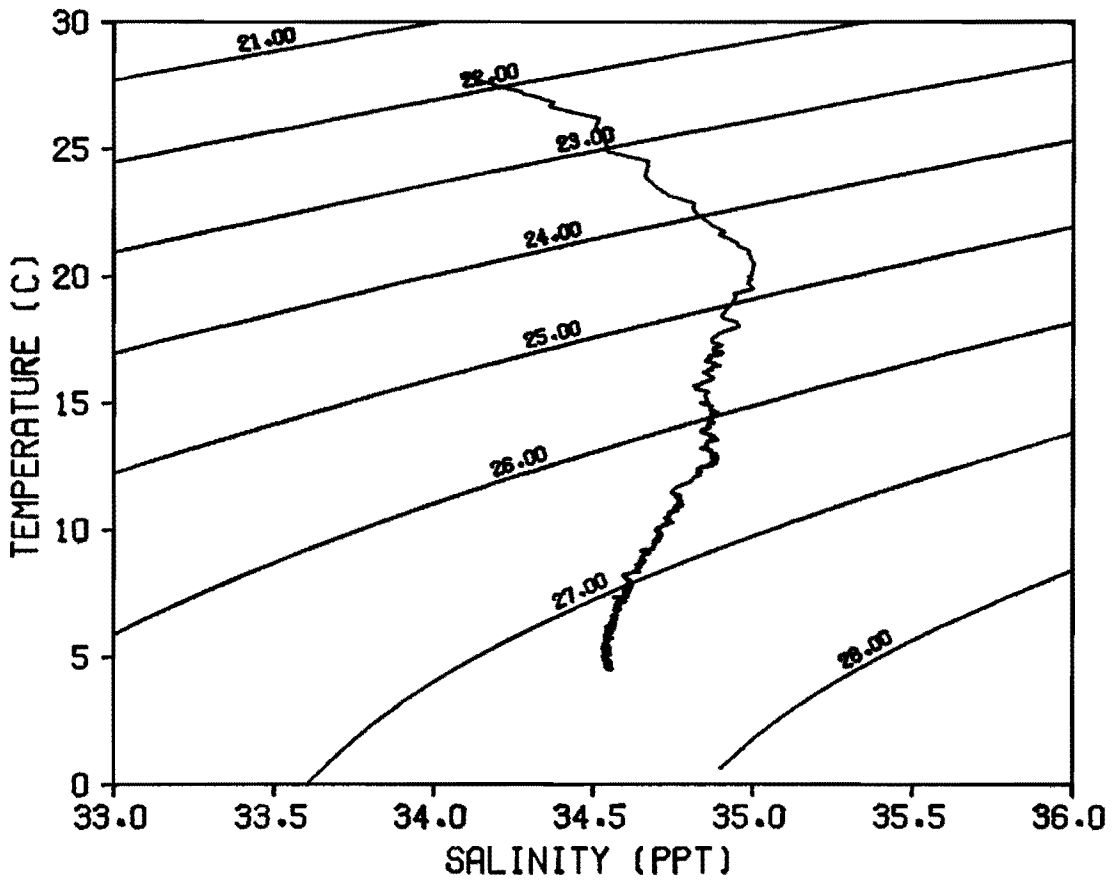


CAST EP3-79-DC-019 DATE 03 MAY 79 TIME 1125 GMT
 LAT 00 39.3N LONG 109 56.6W WEATHER 1 SEA STATE 3
 BAROMETER 09 WIND DIR 190 T SPD 10 KT VISIBILITY 8
 CLOUD 7 AMOUNT 2 DRY 25.6 WET 22.9 DEPTH M

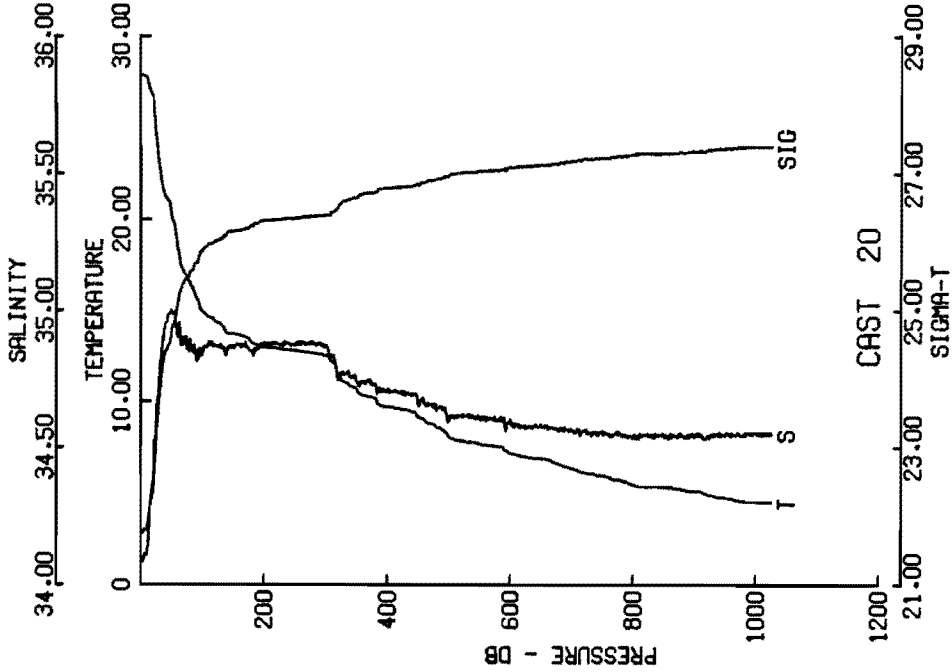


DEPTH (M)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	27.907	34.056	21.734	.000
2	27.917	34.066	21.739	.061
10	26.383	34.509	22.562	.118
20	23.058	34.755	23.750	.165
30	21.199	34.945	24.415	.203
40	20.019	34.993	24.769	.237
50	18.938	34.959	25.249	.267
60	16.934	34.891	25.463	.293
70	16.326	34.858	25.580	.318
80	15.367	34.855	25.796	.342
90	14.865	34.866	25.916	.363
100	14.632	34.884	25.978	.384
110	14.356	34.887	26.041	.405
120	14.122	34.866	26.075	.425
130	13.757	34.871	26.155	.444
140	13.704	34.849	26.180	.463
150	13.667	34.879	26.181	.482
160	13.512	34.874	26.209	.501
170	13.205	34.855	26.256	.519
180	13.096	34.861	26.283	.537
190	12.817	34.885	26.324	.555
200	12.817	34.885	26.358	.573
250	12.571	34.875	26.433	.629
300	11.843	34.757	26.780	.809
350	9.750	34.701	26.819	.861
400	9.510	34.699	26.931	.948
450	8.580	34.651	27.026	1.012
500	7.798	34.621	27.050	1.071
550	7.541	34.604	27.116	1.118
600	6.951	34.580	27.161	1.181
650	6.570	34.572	27.216	1.233
700	6.069	34.558	27.259	1.283
750	5.678	34.550	27.297	1.330
800	5.366	34.546	27.314	1.375
850	5.195	34.551	27.362	1.420
900	4.811	34.557	27.387	1.463
950	4.547	34.560	27.400	1.503
1000	4.540			1.503

CAST EP3-79-0C-20 DATE 03 MAY 79 TIME 1254 GMT
LAT 00 39.6N LONG 109 56.4W

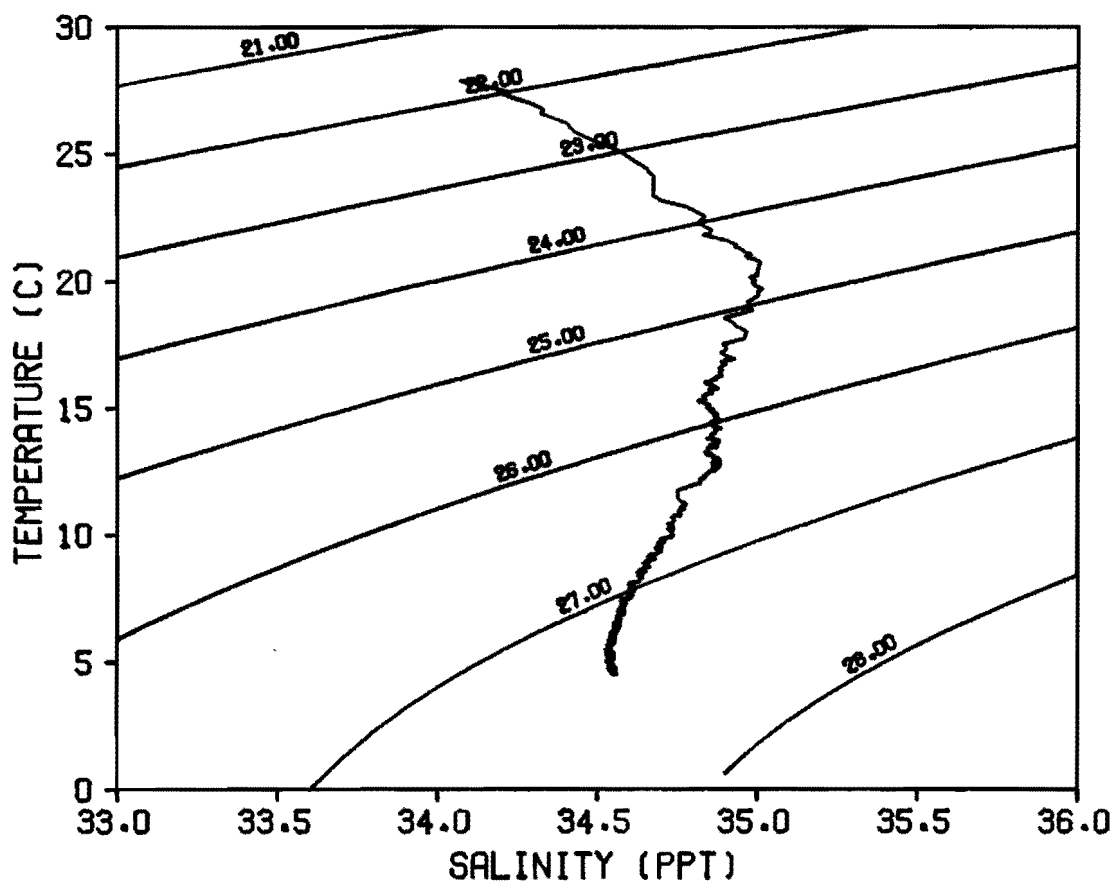


CAST EP3-79-DC-020 DATE 03 MAY 79 TIME 1254 GMT
 LAT 00 39.6N LONG 109 56.4W WEATHER 2 SEA STATE 3
 BAROMETER 10 WIND DIR 150 T SPD 10 KT VISIBILITY 8
 CLOUD 3 AMOUNT 5 DRY 25.6 WET 22.9 DEPTH M

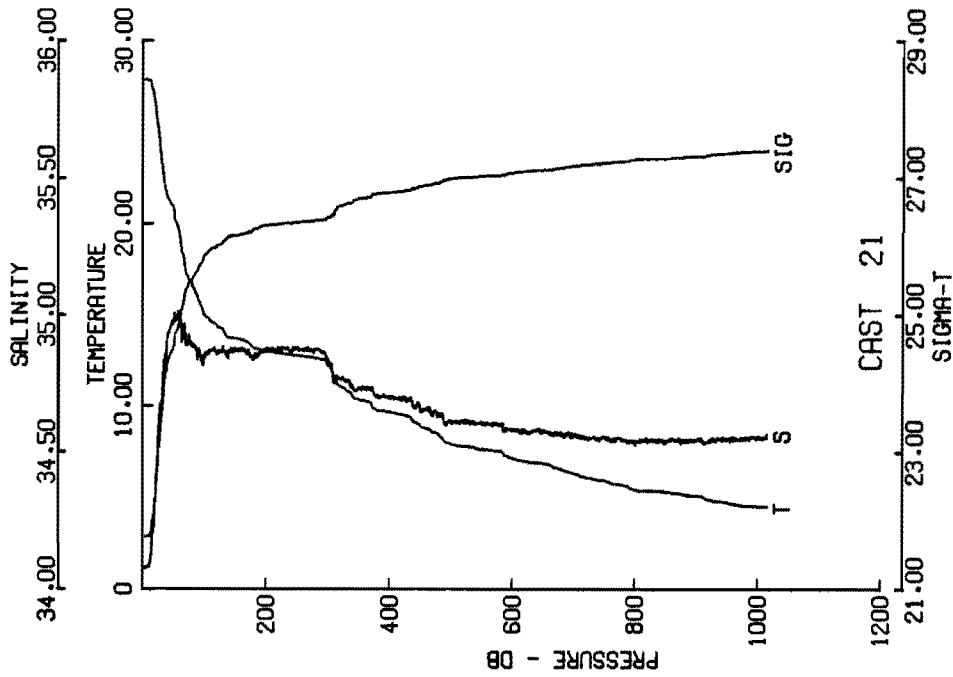


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	27.927	34.065	21.735	.000
3	27.858	34.094	21.782	.060
10	27.794	34.177	21.814	.168
20	26.792	34.376	22.307	.205
30	23.157	34.953	24.471	.270
40	21.279	34.999	25.103	.323
50	20.257	34.902	25.576	.347
60	17.447	34.876	25.701	.390
70	16.074	34.831	25.979	.411
80	15.709	34.854	26.012	.451
90	14.943	34.890	26.134	.470
100	14.658	34.875	26.161	.508
110	14.425	34.880	26.211	.526
120	14.225	34.872	26.238	.544
130	13.785	34.886	26.322	.562
140	13.722	34.873	26.350	.650
150	13.657	34.709	26.646	.737
160	13.274	34.661	26.789	.816
170	13.137	34.604	26.836	.953
180	12.937	34.602	26.972	1.072
190	12.566	34.604	27.028	1.128
200	12.694	34.604	27.103	1.181
250	11.731	34.567	27.127	1.233
300	9.233	34.538	27.185	1.281
350	7.091	34.538	27.276	1.328
400	7.029	34.539	27.291	1.372
450	7.176	34.540	27.319	1.418
500	6.866	34.550	27.359	1.458
550	6.361	34.550	27.394	1.499
600	5.950	34.554	27.393	
650	5.461			
700	5.335			
750	5.105			
800	4.761			
850	4.524			
900				
950				
1000				
1025				

CAST EP3-79-0C-21 DATE 03 MAY 79 TIME 1345 GMT
LAT 00 39.6N LONG 109 56.4W

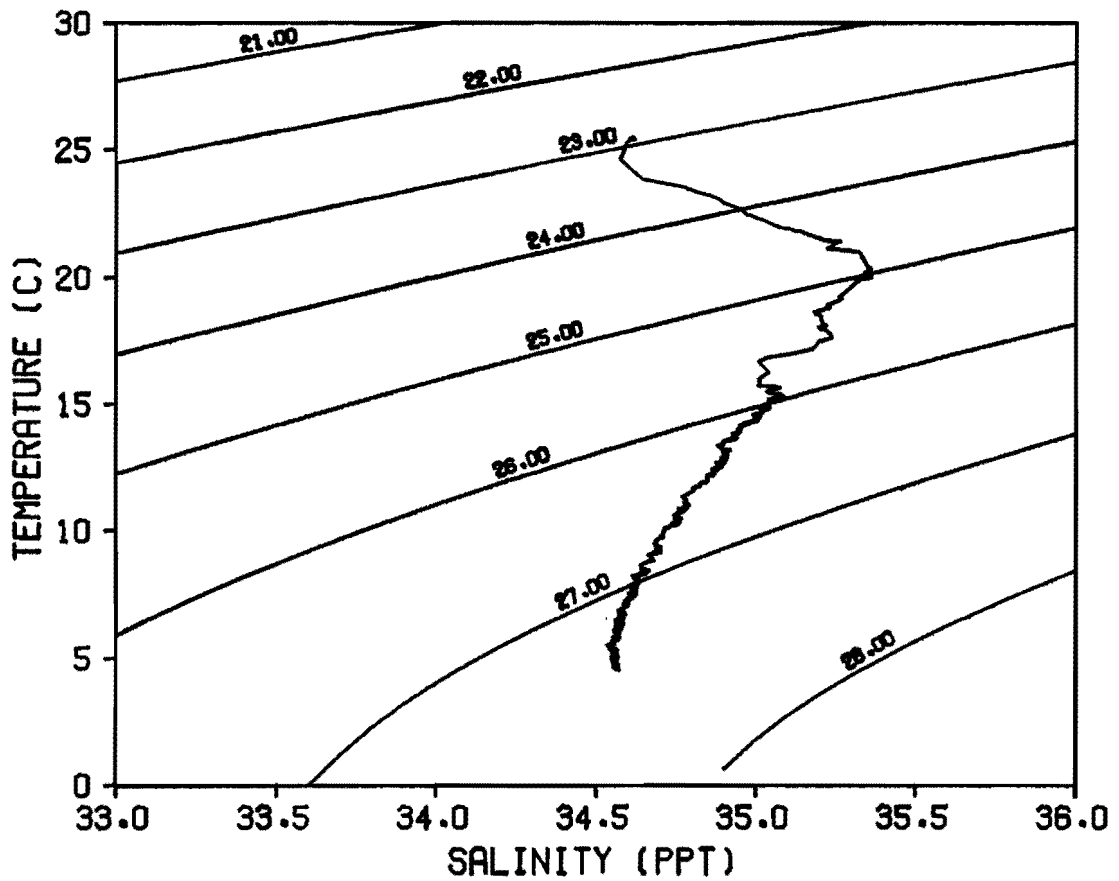


CAST EP3-79-DC-021 DATE 03 MAY 79 TIME 1345 GMT
 LAT 00 39.6N LONG 109 56.4W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 130 T SPD 10 KT VISIBILITY 8
 CLOUD 7 AMOUNT 6 DRY 25.9 WET 23.8 DEPTH M

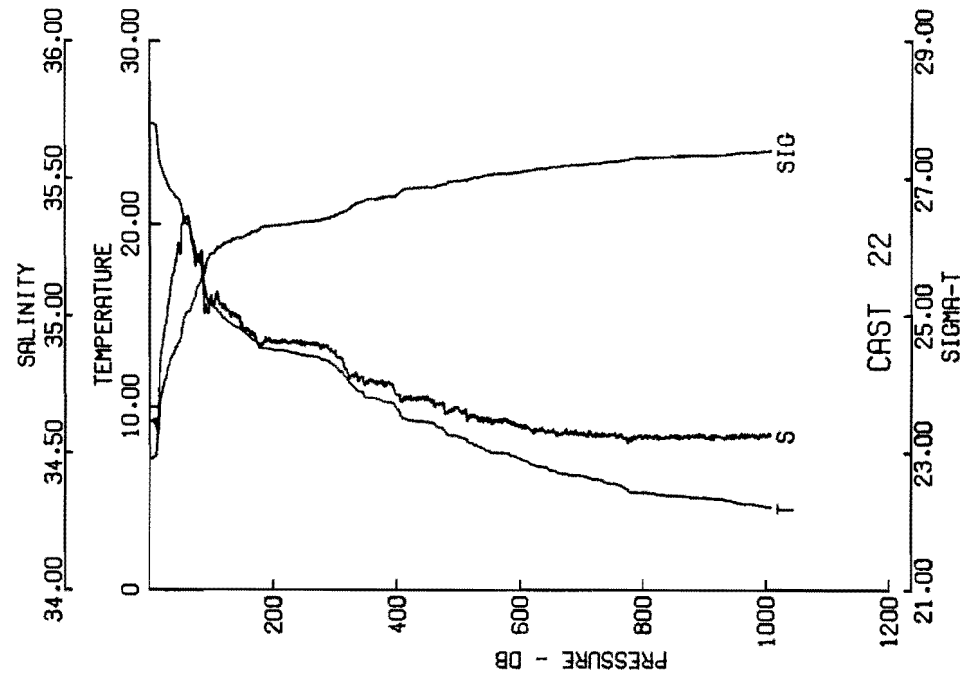


DEPTH (M)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	27.862	34.076	21.764	.000
2	27.856	34.083	21.772	.061
10	27.882	34.080	21.760	.119
20	26.749	34.332	22.317	.169
30	23.729	34.676	23.495	.209
40	21.515	34.919	24.309	.244
50	20.870	34.988	24.538	.276
60	19.402	35.002	24.537	.305
70	17.340	34.904	24.376	.330
80	16.611	34.885	24.335	.354
90	15.869	34.862	24.288	.377
100	14.993	34.843	24.259	.398
110	14.448	34.868	24.259	.418
120	14.190	34.854	24.259	.439
130	13.742	34.846	24.076	.428
140	13.712	34.881	24.162	.477
150	13.661	34.870	24.174	.496
160	13.501	34.861	24.201	.515
170	13.200	34.851	24.255	.534
180	13.096	34.857	24.280	.552
190	12.803	34.879	24.336	.570
200	12.261	34.838	24.431	.588
300	9.692	34.734	24.790	.744
400	7.922	34.667	24.878	.890
500	7.637	34.615	24.903	.956
550	7.163	34.610	27.041	1.074
600	6.887	34.585	27.089	1.129
700	5.358	34.572	27.118	1.182
800	5.448	34.500	27.180	1.234
850	5.316	34.542	27.231	1.282
900	4.747	34.544	27.288	1.329
950	4.524	34.545	27.324	1.373
1000	4.515	34.543	27.364	1.417
1015	4.515	34.550	27.394	1.459
1200		34.565	27.407	1.499

CAST EP3-79-0C-22 DATE 04 MAY 79 TIME 0127 GMT
LAT 00 00.0N LONG 109 31.5W

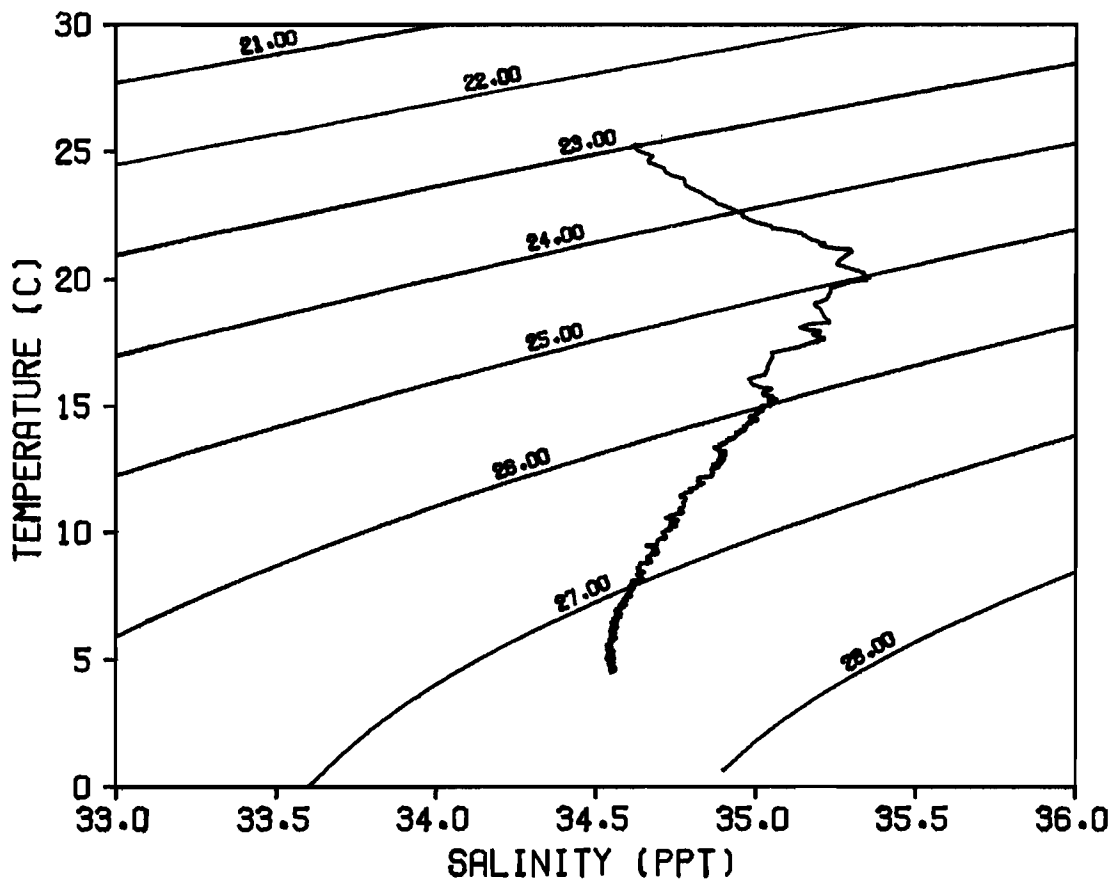


CAST EP3-79-DC-022 DATE 04 MAY 79 TIME 0127 GMT
 LAT 00 00.0N LONG 109 31.5W WEATHER 1 SEA STATE 3
 BAROMETER 09 WIND DIR 130 T SPD 12 KT VISIBILITY 8
 CLOUD 6 AMOUNT 3 DRY 26.3 WET 24.6 DEPTH M

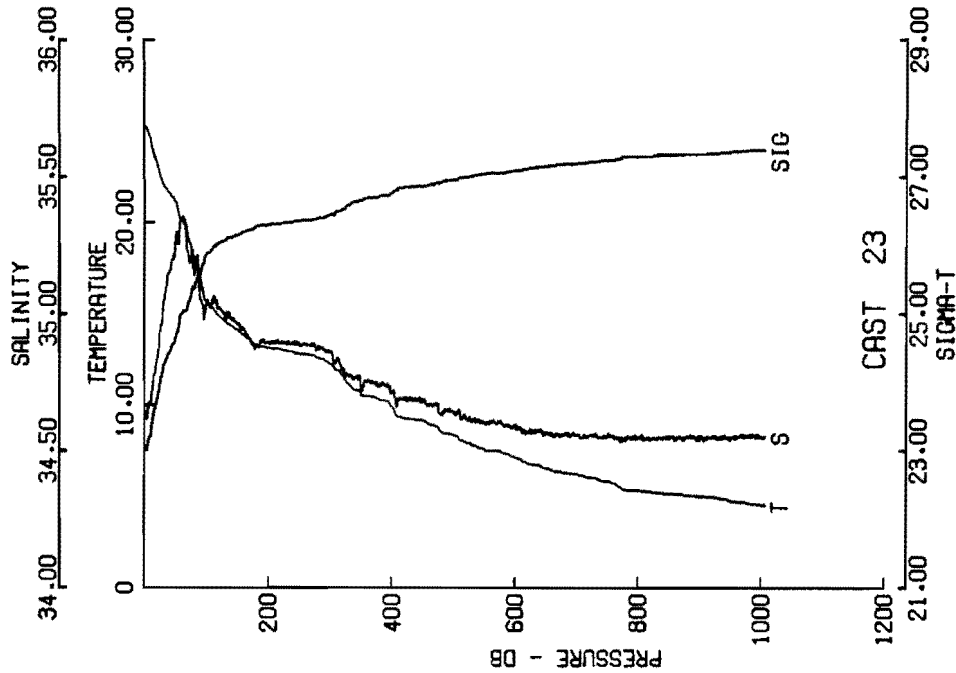


DEPTH (M)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	25.516	34.614	22.911	.000
10	25.407	34.627	22.952	.050
20	23.039	35.044	23.855	.094
30	22.106	35.164	24.239	.133
40	21.641	35.222	24.460	.169
50	21.098	35.269	24.623	.203
60	20.026	35.201	25.045	.234
70	19.134	35.024	25.454	.289
80	17.951	35.063	25.678	.314
90	16.454	35.083	25.808	.336
100	15.238	35.021	26.000	.357
110	14.894	35.002	26.027	.377
120	14.594	34.957	26.125	.397
130	14.380	34.949	26.136	.417
140	14.167	34.949	26.184	.436
150	13.909	34.935	26.234	.455
160	13.615	34.849	26.278	.474
170	13.267	34.909	26.300	.492
180	13.199	34.906	26.309	.510
190	13.138	34.870	26.373	.528
200	12.817	34.749	26.460	.610
250	12.238	34.710	26.685	.779
300	10.514	34.704	26.888	.849
350	9.621	34.659	26.882	.914
400	9.145	34.614	26.058	.976
450	8.401	34.592	27.090	1.034
500	7.614	34.572	27.170	1.089
550	7.195	34.569	27.306	1.140
600	6.541	34.554	27.357	1.189
650	5.814	34.564	27.325	1.237
700	5.161	34.559	27.324	1.282
750	4.818	34.557	27.349	1.325
800	4.525	34.559	27.367	1.367
850		34.568	27.408	1.409
900				1.449
950				
1000				

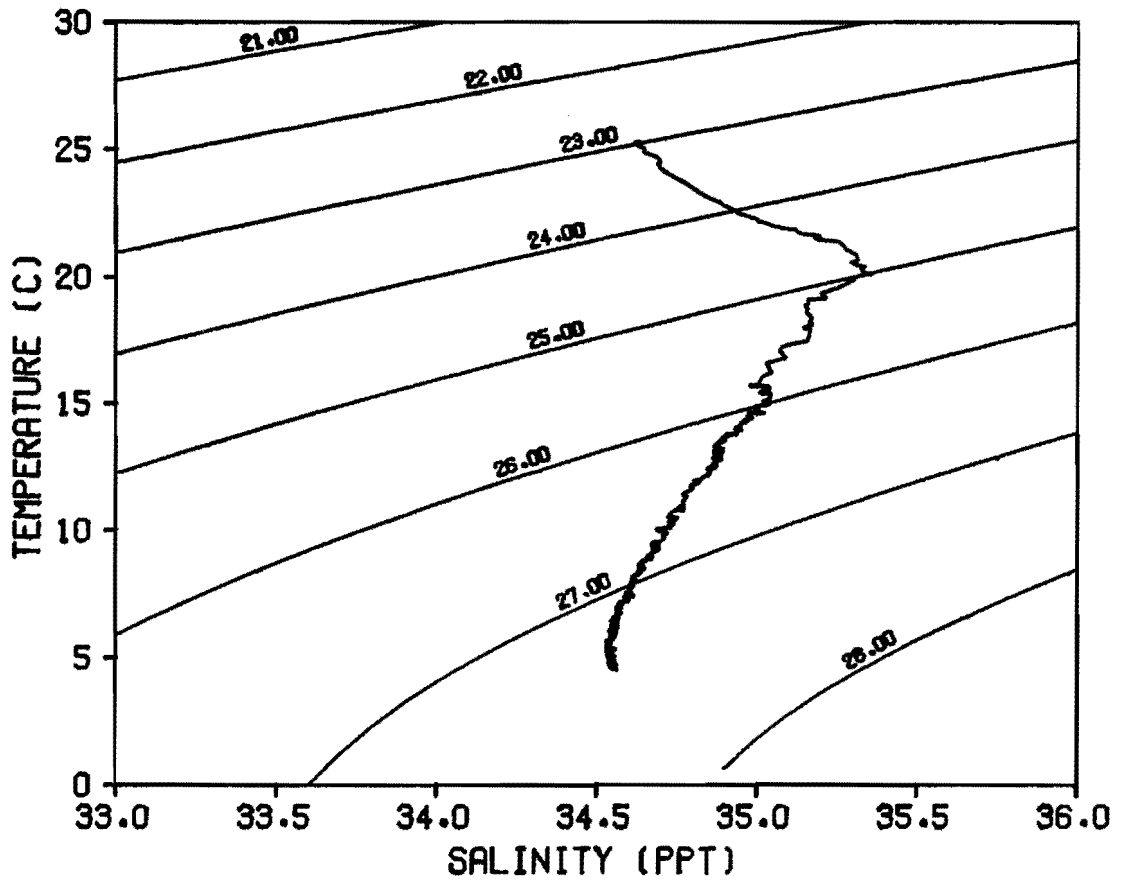
CAST EP3-79-0C-23 DATE 04 MAY 79 TIME 0224 GMT
LAT 00 00.0N LONG 109 31.5W



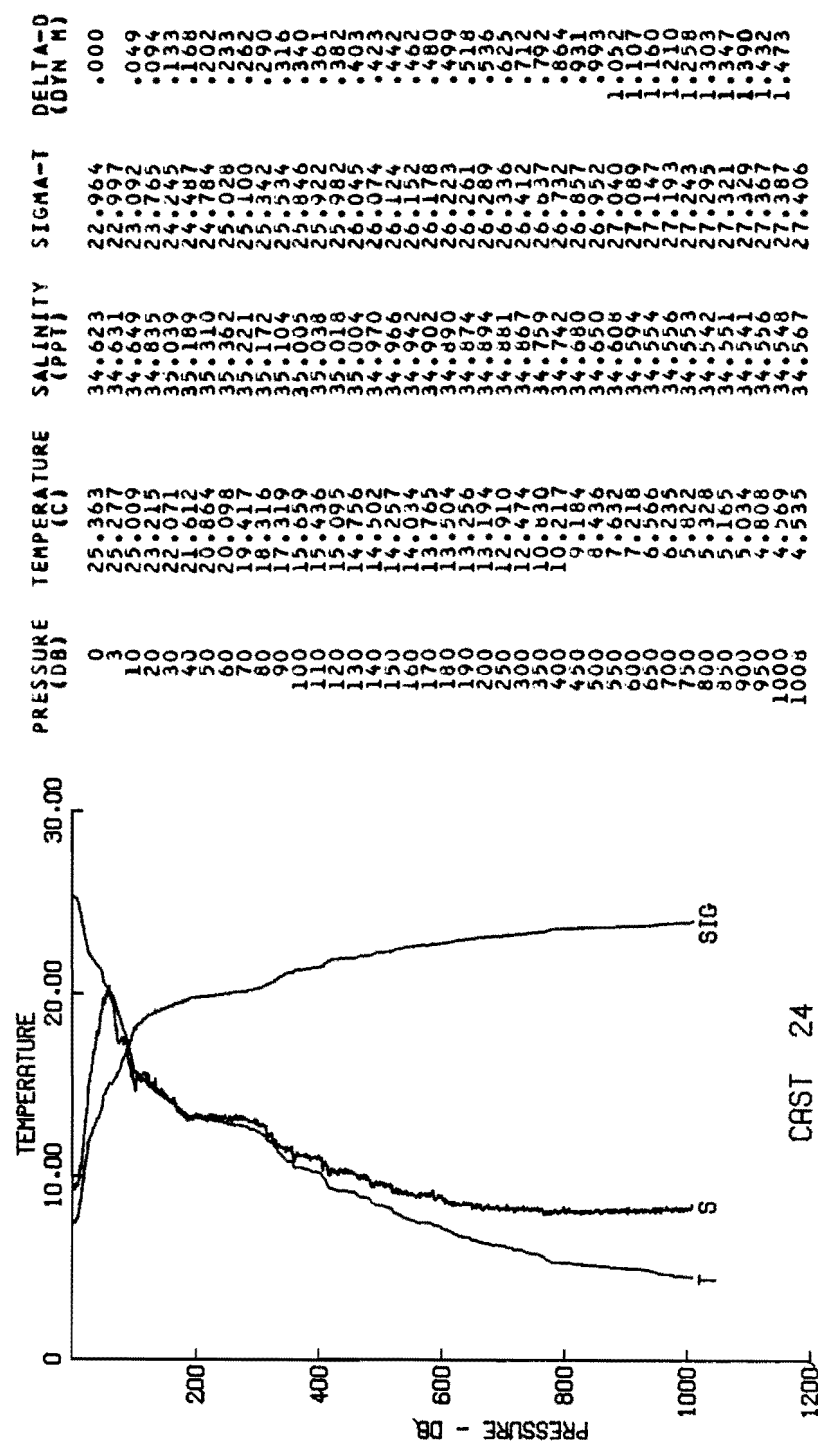
CAST EP3-79-0C-023 DATE 04 MAY 79 TIME 0224 GMT
 LAT 00 00.04 LONG 109 31.54 WEATHER 1 SEA STATE 3
 BAROMETER 09 WIND DIR 130 W SPD 12 KT VISTAILITY R
 CLOUD 6 AMOUNT 3 DRY 26.3 WET 24.6 DEPTH M



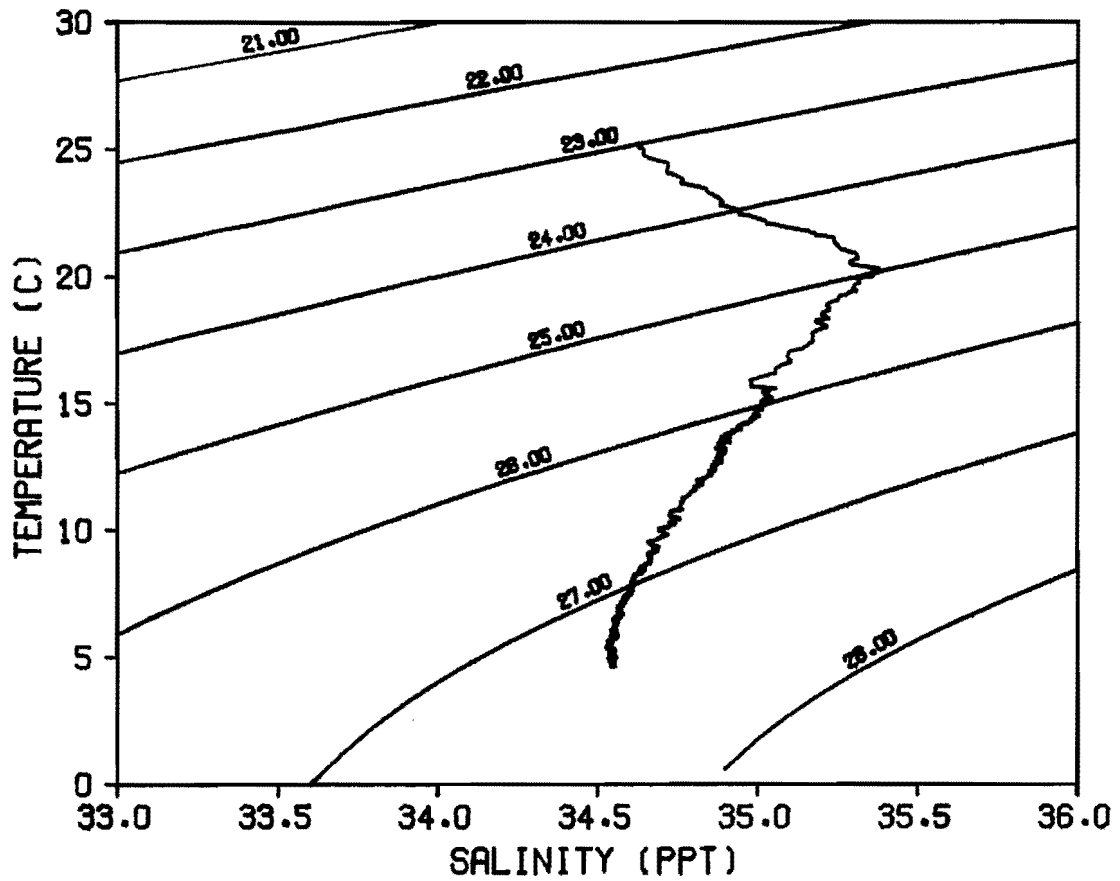
CAST EP3-79-0C-24 DATE 04 MAY 79 TIME 0326 GMT
LAT 0 00.1S LONG 109 30.9W



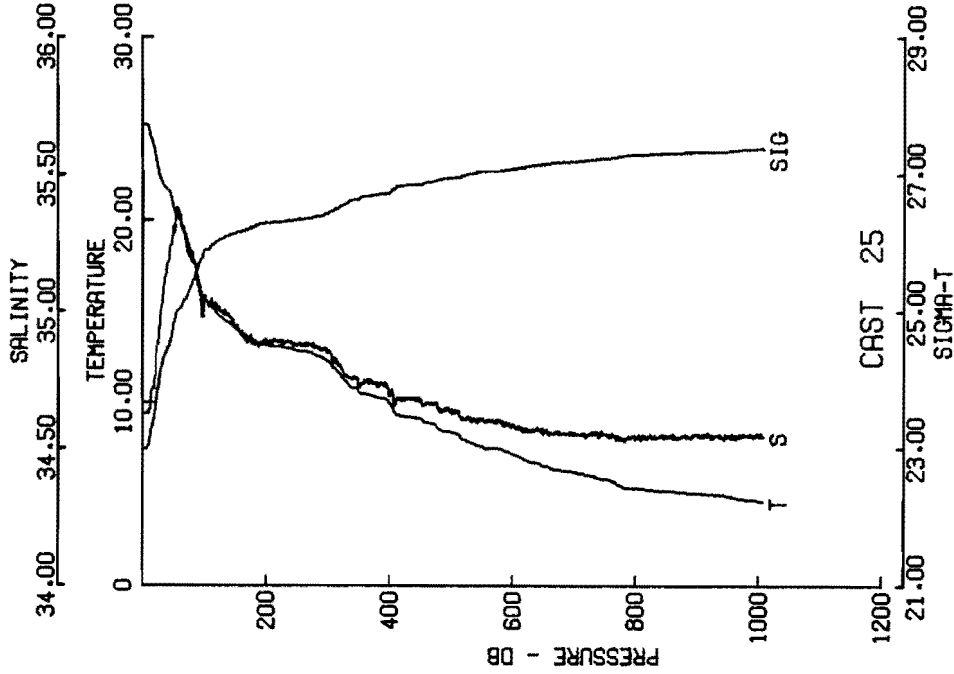
CAST EP3-79-0C-024 DATE 04 WEATHER 1 TIME 0326 GMT
 LAT 00.15 LONG 109 30.9W T SPD 14 K VISIBILITY 8
 BAROMETER 10 WIND DIR 140 T WET 24.0 DEPTH H
 CLOUD 8 AMOUNT 1 DRY 24.8 WET 24.0



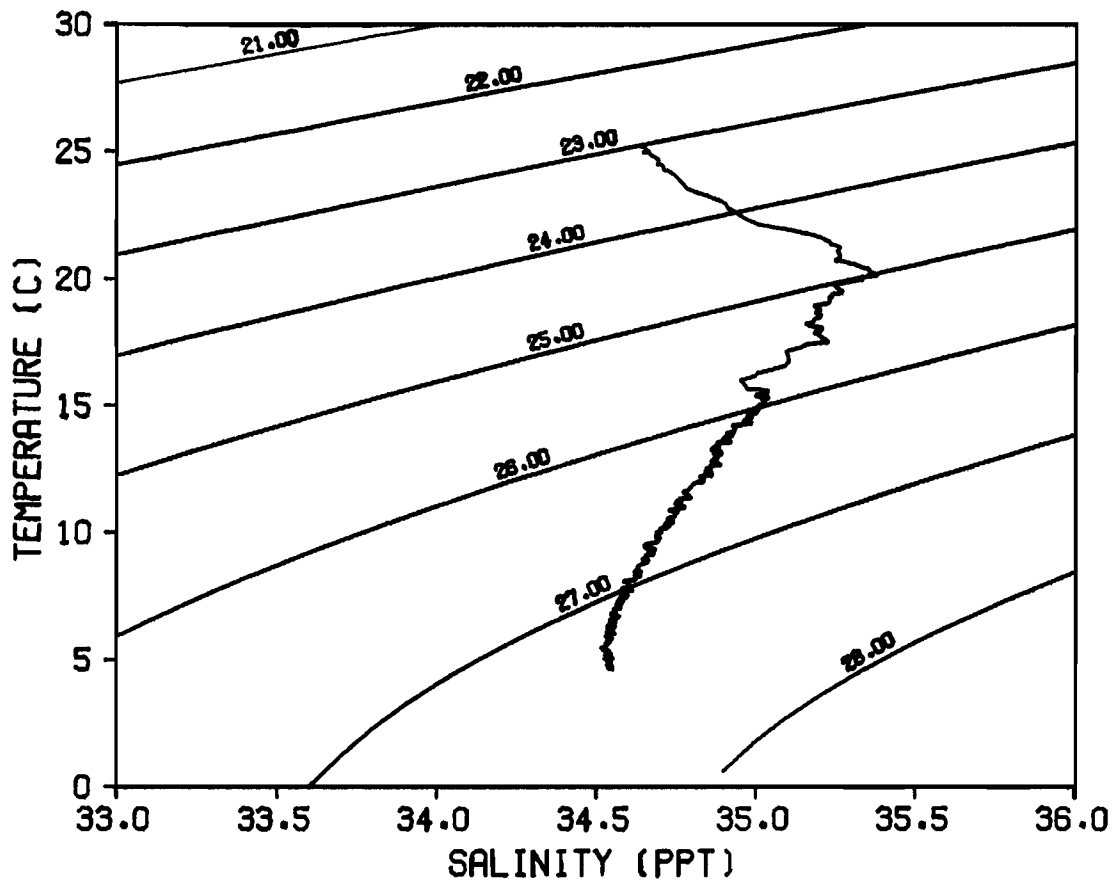
CAST EP3-79-0C-25 DATE 04 MAY 79 TIME 0450 GMT
LAT 00 00.0N LONG 109 28.1W



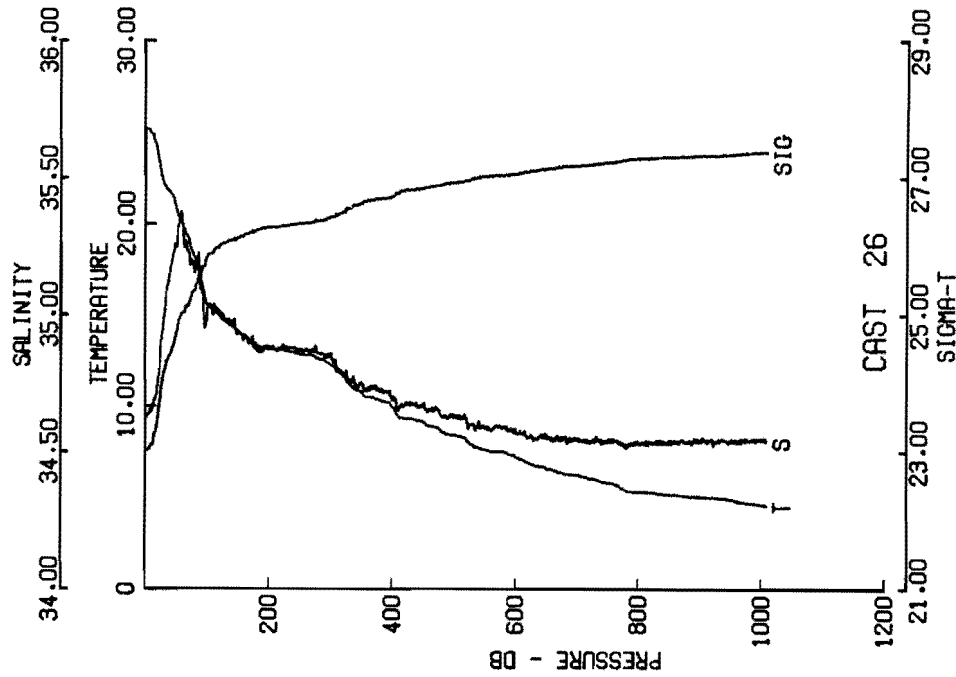
CAST EP3-77-DC-025 DATE 04 MAY 79 TIME 0450 GMT
 LAT 00 09.0N LONG 28 14 WEATHER 1 SEA STATE 2
 BAROMETER 10 WIND DIR 140 T SPD 14 KT VISIBILITY R
 CLOUD R AMOUNT 1 DRY 24.8 WET 24.0 DEPTH M



CAST EP3-79-0C-26 DATE 04 MAY 79 TIME 0542 GMT
LAT 00 00.0N LONG 109 28.1W

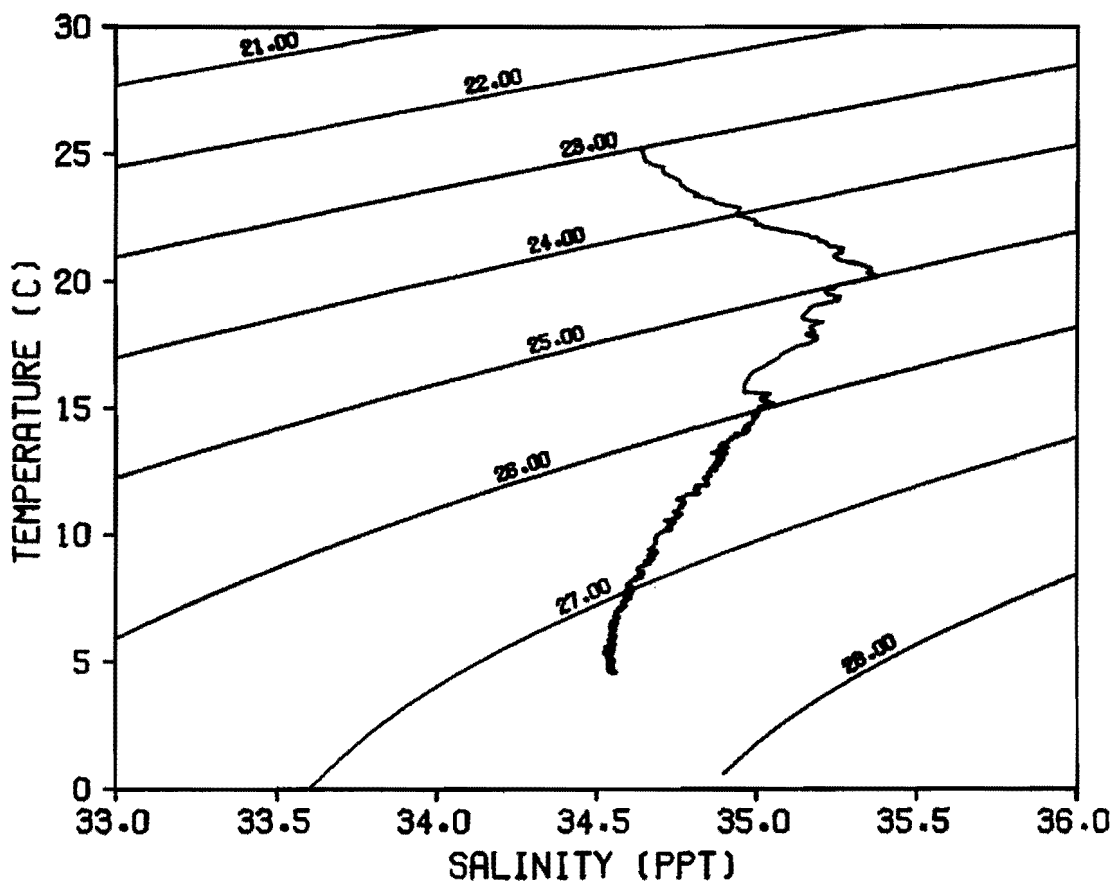


CAST EP3-79-DC-026 DATE 04 MAY 79 TIME 0542 GMT
 LAT 00 00.0N LONG 109 28.1W WEATHER 1 SEA STATE 2
 BAROMETER 11 WIND DIR 140 T SPD 14 KT VISIBILITY R
 CLOUD 8 AMOUNT 1 DRY 24.6 WET 24.0 MET 24.0 DEPTH M

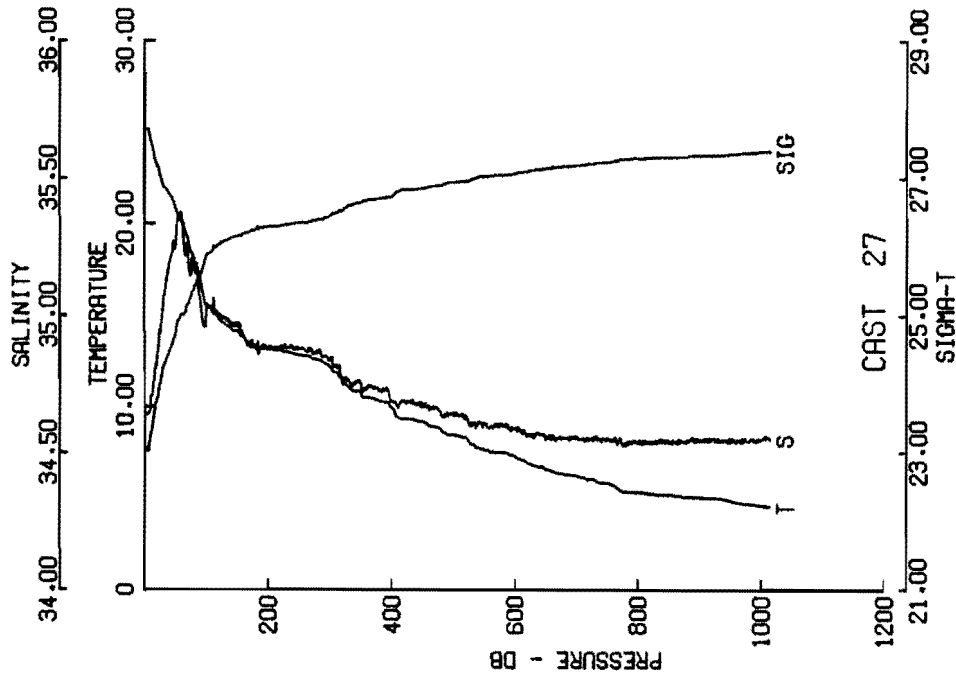


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	25.251	34.615	22.993	.000
2	25.221	34.623	23.008	.048
10	24.993	34.652	23.099	.095
20	23.948	34.752	23.488	.135
30	22.224	34.993	24.167	.172
40	21.757	35.164	24.428	.206
50	20.830	35.262	24.726	.236
60	20.039	35.333	25.022	.265
70	19.235	35.230	25.148	.292
80	18.154	35.164	25.376	.317
90	16.943	35.019	25.620	.340
100	15.609	35.014	25.868	.363
110	14.338	35.067	25.925	.383
120	14.920	35.005	26.000	.403
130	14.621	34.962	26.090	.422
140	14.437	34.934	26.125	.441
150	14.137	34.915	26.166	.461
160	13.613	34.877	26.232	.498
170	13.330	34.877	26.275	.515
180	13.230	34.877	26.285	.535
190	13.139	34.879	26.340	.624
200	12.853	34.858	26.440	.710
250	12.292	34.852	26.636	.862
300	11.808	34.862	26.735	.928
350	10.807	34.823	26.857	.990
400	9.449	34.833	26.931	1.049
450	8.434	34.827	27.023	1.158
500	7.637	34.855	27.077	1.209
550	6.846	34.847	27.137	1.257
600	6.237	34.820	27.233	1.303
650	5.830	34.836	27.285	1.347
700	5.530	34.837	27.308	1.391
750	5.179	34.837	27.343	1.433
800	4.905	34.840	27.377	1.475
850	4.613	34.838	27.377	
900				
950				
1000				

CAST EP3-79-0C-27 DATE 04 MAY 79 TIME 0653 GMT
LAT 00 00.2N LONG 109 27.7W

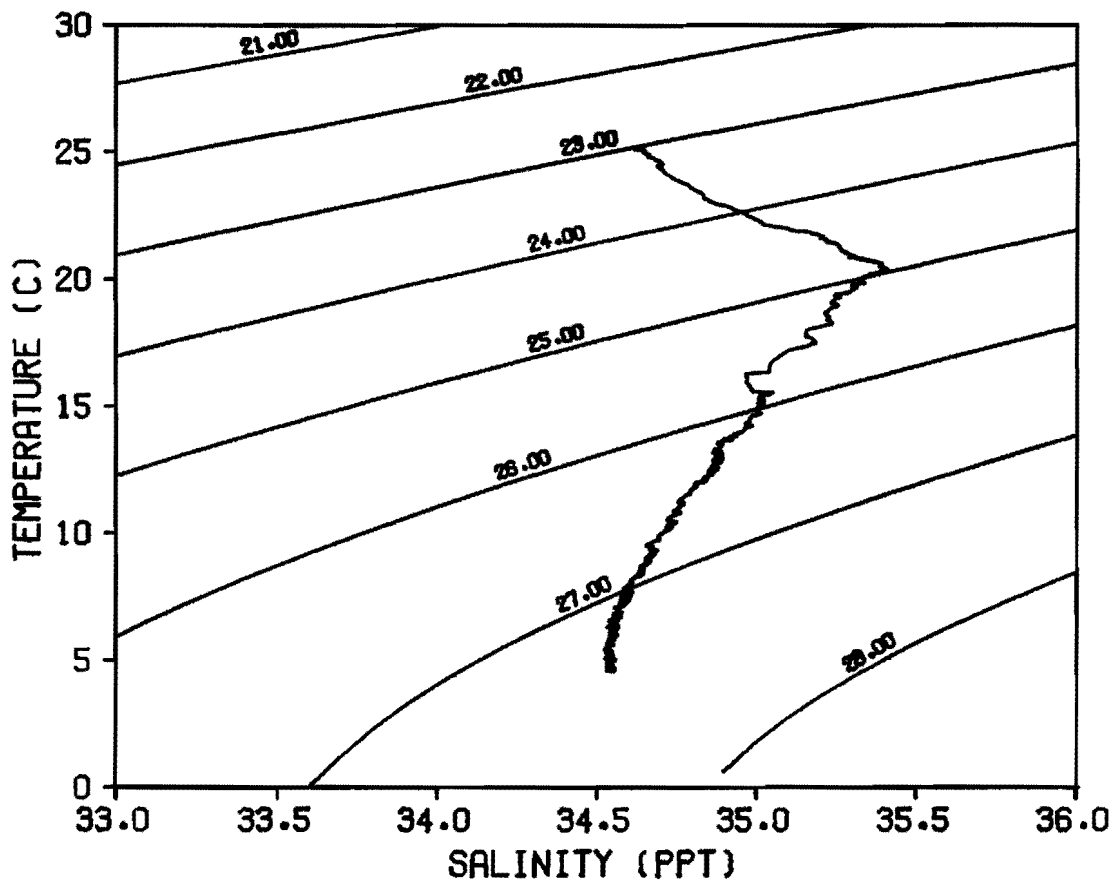


CAST EP3-79-DC-027 DATE 04 MAY 79 TIME 0653 GMT
 LAT 00 00.2N LONG 109 27.7W WEATHER 1 SEA STATE 2
 BAROMETER 10.1 WIND DIR 150 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AROUND 3 DRY 24.6 WET 24.0 MET 24.0

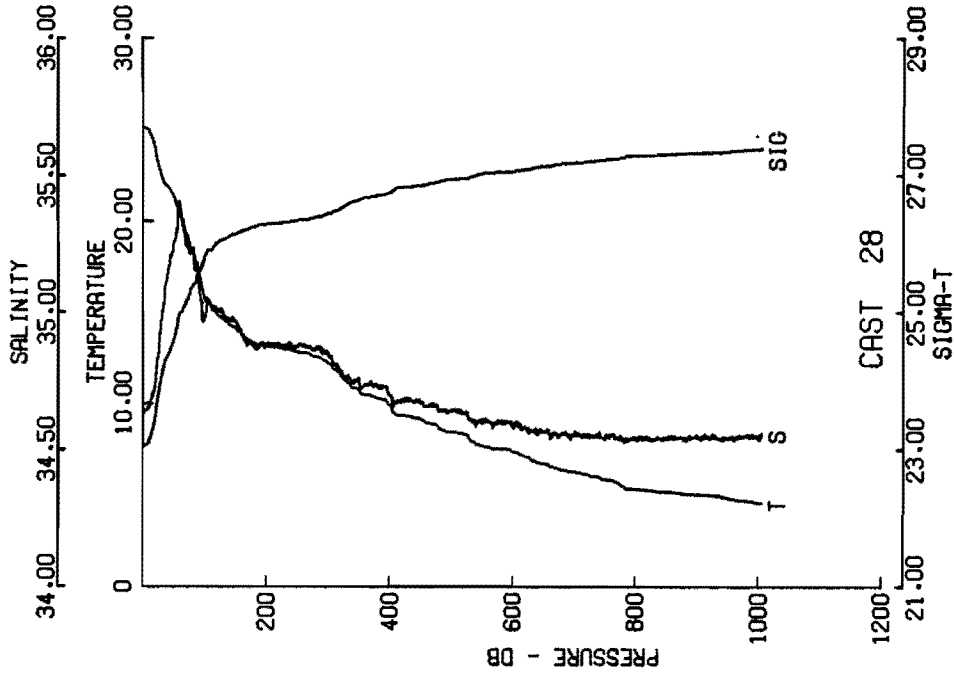


DEPTH (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	25.153	34.636	23.036	.000
1	25.158	34.641	23.041	.048
10	23.268	34.843	23.245	.092
20	22.126	35.034	23.455	.132
30	21.685	35.192	23.669	.168
40	20.872	35.250	23.736	.201
50	20.150	35.376	23.823	.232
60	19.267	35.517	23.916	.261
70	18.109	35.670	24.015	.289
80	16.982	35.837	24.120	.314
90	15.535	36.011	24.233	.337
100	14.306	36.202	24.356	.359
110	14.842	36.408	24.489	.379
120	14.544	36.630	24.632	.399
130	14.138	36.866	24.785	.419
140	13.859	37.117	24.948	.438
150	13.526	37.383	25.121	.457
160	13.334	37.654	25.304	.476
170	13.194	37.930	25.497	.494
180	13.143	38.211	25.700	.512
190	12.831	38.497	25.913	.530
200	12.176	38.789	26.136	.619
250	10.965	39.087	26.369	.705
300	9.175	39.391	26.612	.783
350	8.444	39.701	26.865	.853
400	7.644	40.017	27.129	.921
450	6.540	40.338	27.403	.983
500	5.302	40.664	27.687	1.042
550	4.230	41.005	27.981	1.098
600	3.369	41.361	28.285	1.151
650	2.872	41.733	28.600	1.201
700	2.615	42.121	28.926	1.249
750	2.503	42.525	29.263	1.294
800	2.472	42.945	29.612	1.338
850	2.500	43.380	29.973	1.381
900	2.600	43.830	30.346	1.423
950	2.750	44.295	30.731	1.464
1000	2.950	44.775	31.128	1.505
1014	4.585	34.549	27.388	

CAST EP3-79-0C-28 DATE 04 MAY 79 TIME 0754 GMT
LAT 00 00.4N LONG 109 27.7W

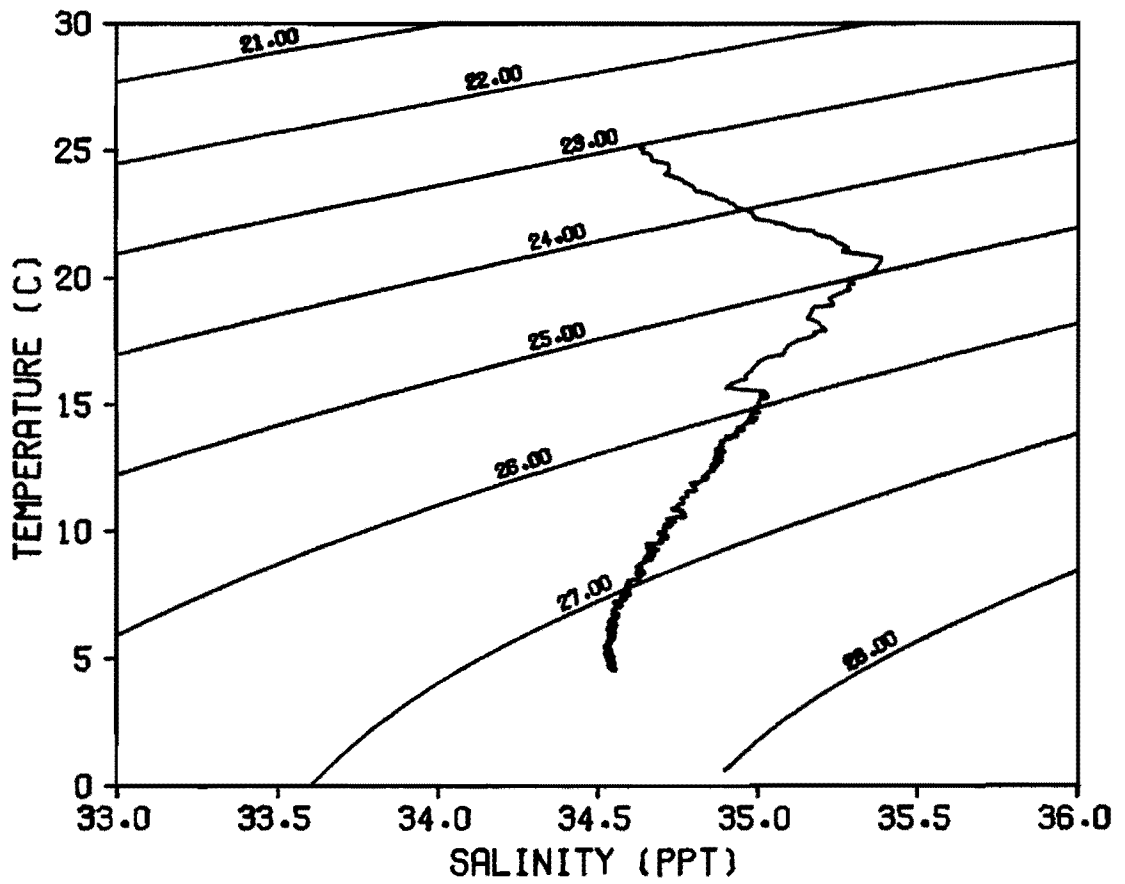


CAST EP3-77-DC-028 DATE 04 MAY 79 TIME 0754 GMT
 LAT 00 00.4N LONG 109 27.7W WEATHER 1 SEA STATE 2
 BAROMETER 10 WIND DIR 150 KT SPD 10 VISIBILITY 8
 CLOUD 8 AMOUNT 3 DRY 24.5 WET 24.0 DEPTH M

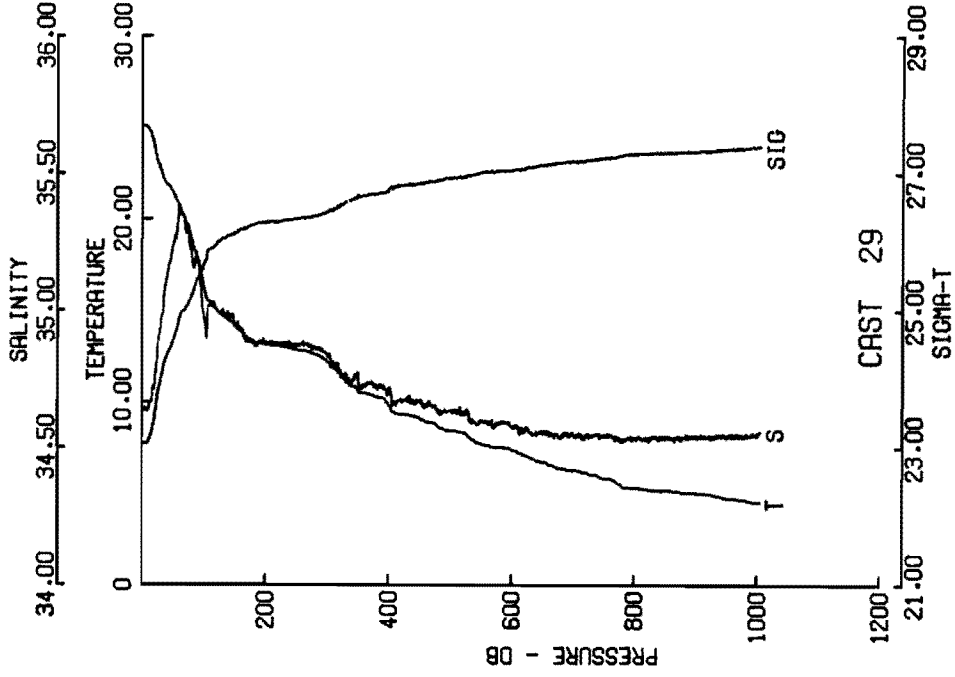


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	10.6	34.626	23.045	.000
2	11.12	34.619	23.038	.048
10	25.007	34.645	23.090	.095
20	24.082	34.726	23.428	.136
30	22.613	34.962	24.034	.174
40	21.913	35.131	24.289	.208
50	21.409	35.250	24.585	.241
60	20.389	35.411	25.123	.270
70	19.376	35.228	25.370	.298
80	18.368	35.159	25.565	.323
90	17.364	34.973	25.784	.347
100	16.450	35.025	25.908	.369
110	14.963	35.005	26.001	.390
120	14.852	34.999	26.064	.410
130	14.368	34.970	26.103	.430
140	14.165	34.965	26.142	.449
150	13.813	34.936	26.194	.468
160	13.526	34.890	26.218	.487
170	13.340	34.882	26.250	.505
180	13.194	34.887	26.283	.523
190	13.138	34.885	26.293	.541
200	12.945	34.874	26.344	.610
250	12.293	34.851	26.641	.716
300	10.793	34.767	26.646	.795
400	9.951	34.697	26.743	.867
500	8.162	34.681	26.862	.933
550	7.708	34.638	26.942	.995
600	7.379	34.593	27.066	1.055
650	6.731	34.552	27.134	1.111
700	6.272	34.538	27.184	1.165
750	5.851	34.537	27.228	1.212
800	5.326	34.536	27.291	1.269
850	5.185	34.536	27.307	1.353
900	4.856	34.536	27.325	1.397
950	4.560	34.536	27.355	1.439
1000	4.568	34.536	27.353	1.480

CAST EP3-79-0C-29 DATE 04 MAY 79 TIME 0849 GMT
LAT 00 00.6N LONG 109 27.8W

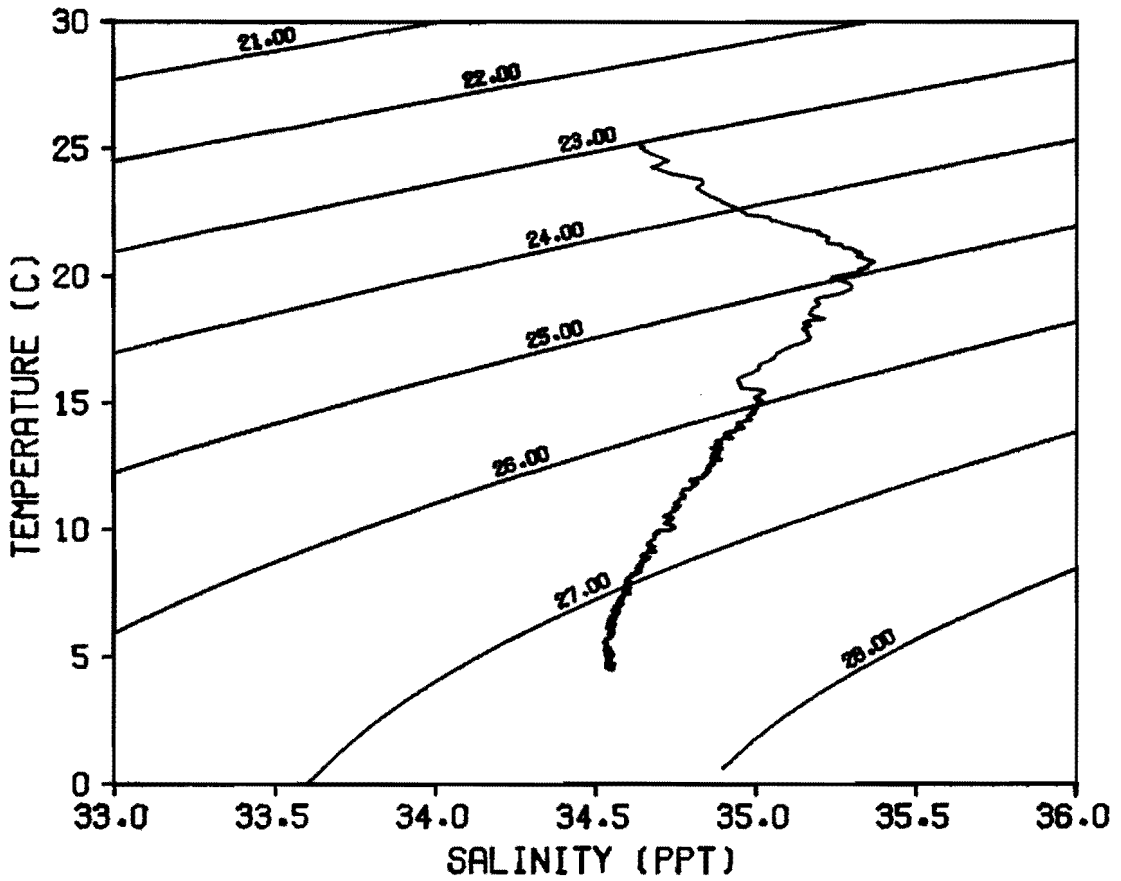


CAST EP3-79-0C-U29 DATE 04 MAY 79 TIME 0849 GMT
 LAT 00 00.6N LONG 109 27.8W WEATHER 2 SEA STATE 2
 BAROMETER 10 WIND DIR 150 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 6 DRY 24.5 WET 24.0 DEPTH M



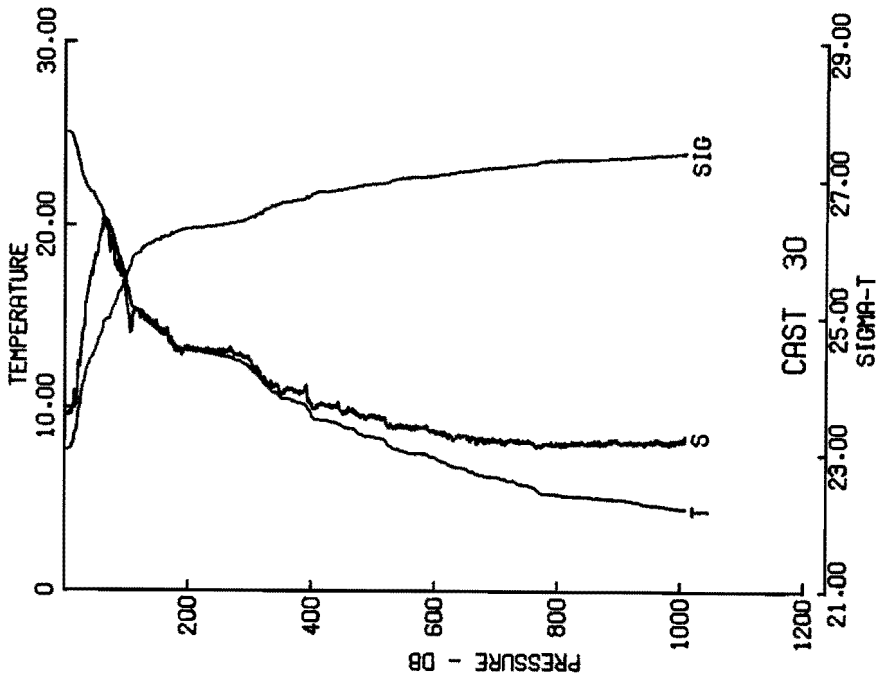
DEPTH (M)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-T
0	25.097	34.634	23.054	.000
10	25.039	34.637	23.074	.048
20	24.976	34.710	23.078	.137
30	24.773	34.934	23.967	.174
40	21.944	35.118	24.340	.209
50	21.502	35.242	24.558	.242
60	20.793	35.386	24.861	.272
70	20.018	35.529	25.002	.301
80	18.934	35.236	25.235	.328
90	17.844	35.173	25.459	.375
100	16.325	34.977	25.902	.396
110	15.479	35.025	25.963	.417
120	15.122	35.003	26.085	.437
130	14.490	34.972	26.085	.456
140	14.173	34.953	26.131	.475
150	13.958	34.885	26.214	.494
160	13.526	34.892	26.256	.512
170	13.345	34.887	26.284	.531
180	13.194	34.887	26.293	.549
190	13.149	34.875	26.343	.638
200	12.853	34.875	26.439	.724
250	12.212	34.774	26.676	.874
300	11.587	34.710	26.855	.940
350	10.859	34.633	26.939	1.003
400	10.144	34.577	27.016	1.062
450	9.438	34.577	27.053	1.117
500	8.729	34.550	27.120	1.173
550	7.375	34.546	27.185	1.224
600	6.272	34.537	27.230	1.272
650	5.845	34.530	27.252	1.318
700	5.316	34.543	27.303	1.362
750	5.076	34.544	27.330	1.405
800	4.776	34.544	27.361	1.448
850	4.548	34.557	27.389	1.489
900	4.530			
950				
1000				
1004				

CAST EP3-79-0C-30 DATE 04 MAY 79 TIME 0950 GMT
LAT 00 00.3N LONG 109 28.4W



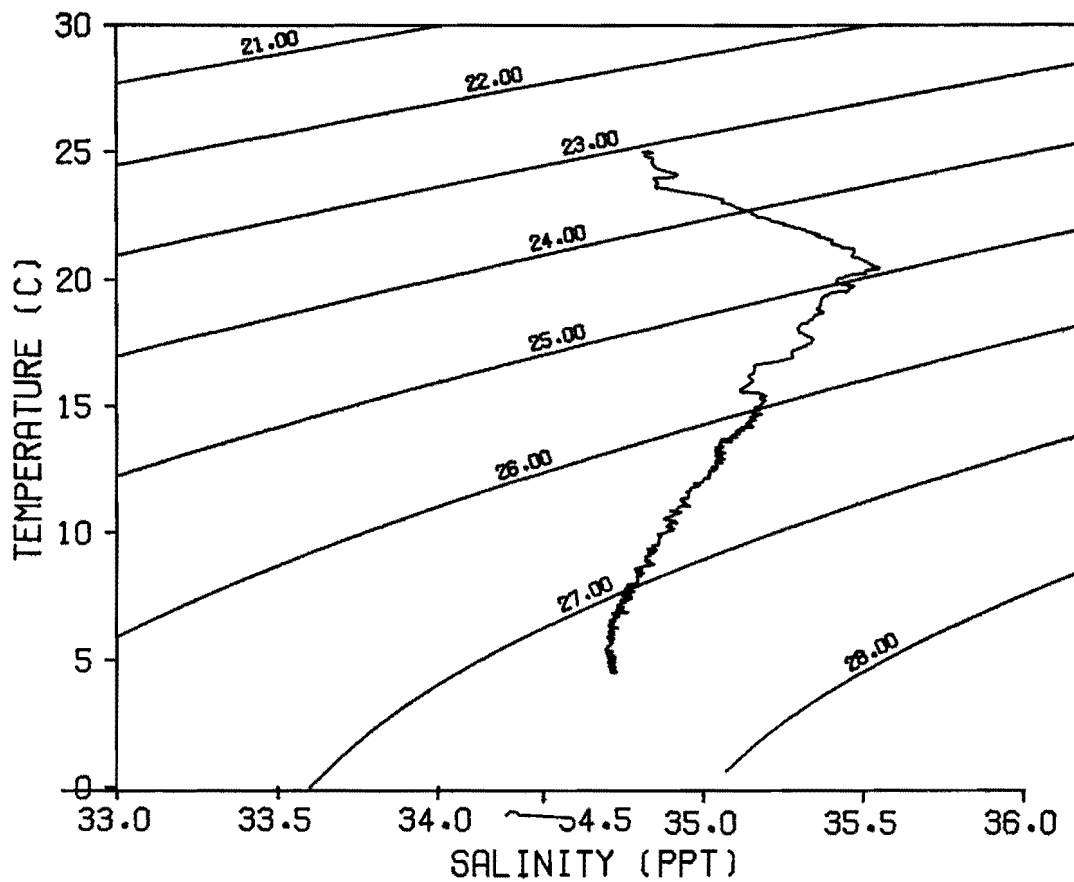
CAST EP3-79-0C-030 DATE 04 MAY 79 TIME 0950 GMT
 LAT 00 00.3N LONG 109 28.4W WEATHER 2 SEA STATE 2
 BAROMETER 03 WIND DIR 150 T SPD 10 KT VISTIBILITY 6
 CLOUD 8 AMOUNT 6 DRY 24.3 WET 24.0 DEPTH M

SALINITY 34.00 34.50 35.00 35.50 36.00
 TEMPERATURE 10.00 20.00 30.00

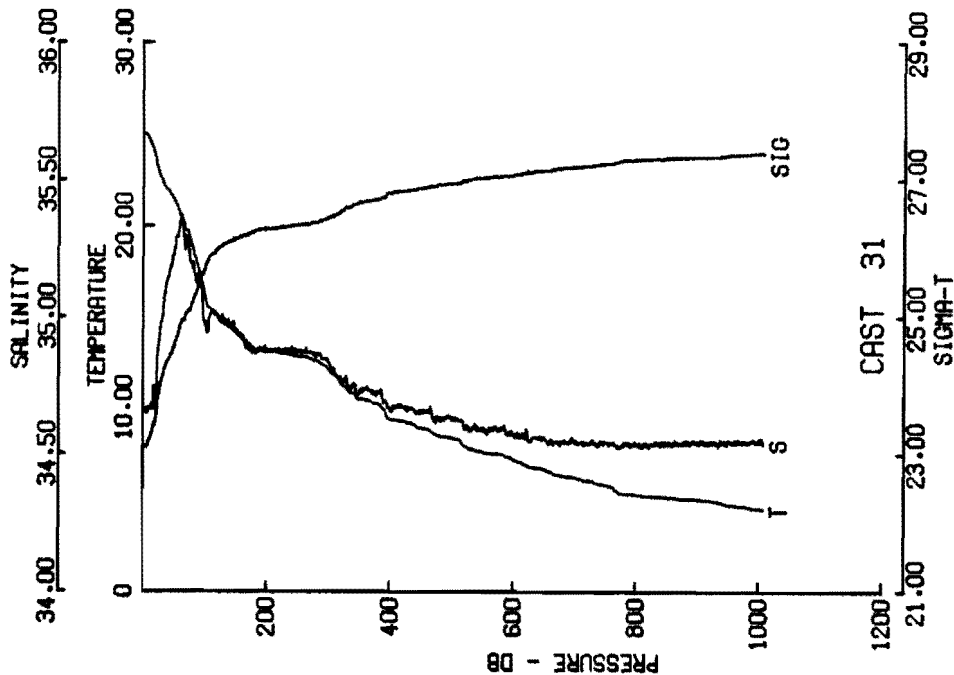


DEPTH (M)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T (DYN M)	DELTA-D (DYN M)
0	25.120	34.638	26.8050	0.000
10	25.112	34.639	26.8053	0.48
20	25.024	34.733	26.8053	0.095
30	22.615	34.949	26.8053	1.136
40	21.933	35.133	26.8053	1.709
50	21.667	35.235	26.8053	2.241
60	20.885	35.337	26.8053	2.772
70	20.166	35.392	26.8053	3.301
80	19.146	35.156	26.8053	3.829
90	18.776	35.053	26.8053	4.357
100	15.821	35.018	26.8053	4.885
110	15.234	35.018	26.8053	5.413
120	14.291	34.990	26.8053	5.941
130	14.237	34.986	26.8053	6.469
140	13.277	34.949	26.8053	6.997
150	13.986	34.902	26.8053	7.525
160	13.748	34.885	26.8053	8.053
170	13.723	34.885	26.8053	8.581
180	13.723	34.885	26.8053	9.109
190	13.723	34.885	26.8053	9.637
200	13.723	34.885	26.8053	10.165
250	13.189	34.889	26.8053	10.693
300	12.817	34.833	26.8053	11.221
350	12.517	34.771	26.8053	11.749
400	11.904	34.646	26.8053	12.277
450	11.521	34.597	26.8053	12.805
500	11.531	34.597	26.8053	13.333
550	11.531	34.597	26.8053	13.861
600	11.531	34.597	26.8053	14.389
650	11.531	34.597	26.8053	14.917
700	11.531	34.597	26.8053	15.445
750	11.531	34.597	26.8053	15.973
800	11.531	34.597	26.8053	16.501
850	11.531	34.597	26.8053	17.029
900	11.531	34.597	26.8053	17.557
950	11.531	34.597	26.8053	18.085
1000	11.531	34.597	26.8053	18.613
1007	11.531	34.597	26.8053	19.141

CAST EP3-79-0C-31 DATE 04 MAY 79 TIME 1047 GMT
LAT 00 00.9N LONG 109 30.7W

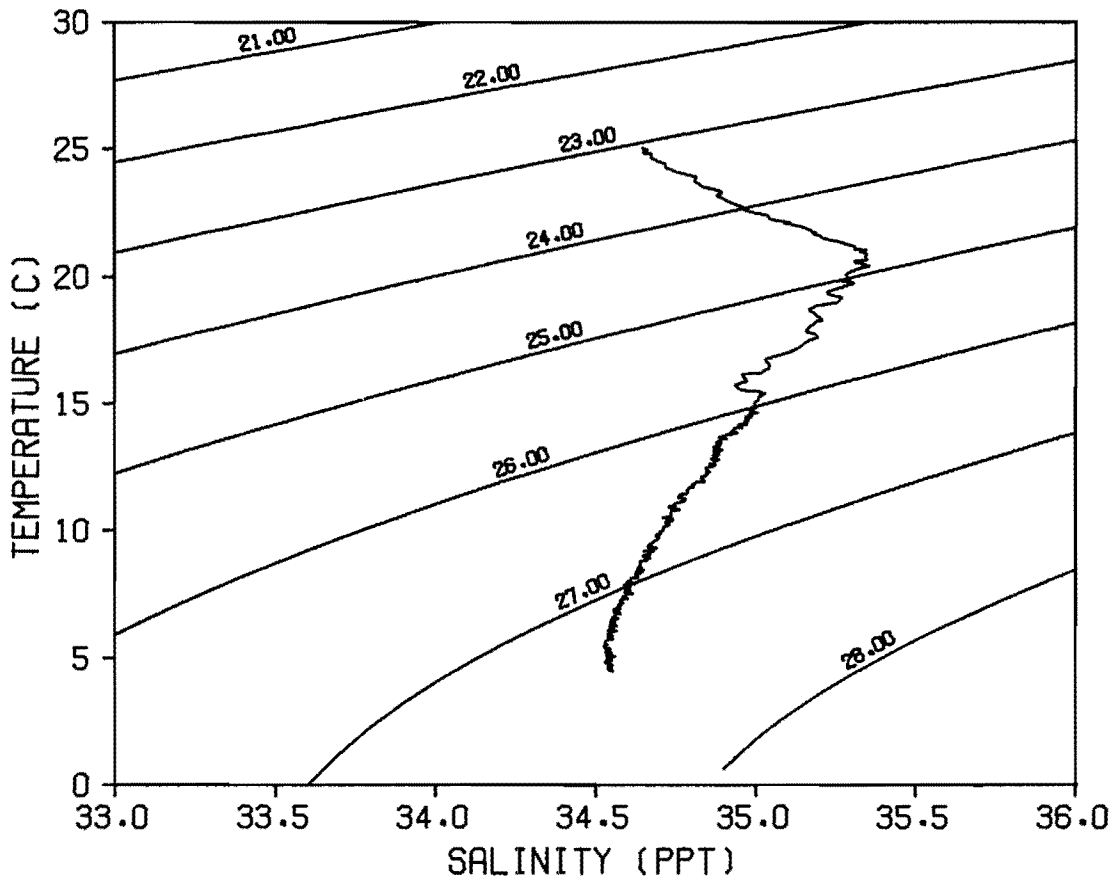


CAST EP3-79-0C-031 DATE 04 MAY 79 TIME 1047 GMT
 LAT 00 00.9N LONG 109 30.7W WEATHER 1 SEA STATE 3
 BAROMETER 09 WIND DIR 140 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 24.0 WET 24.0 DEPTH M

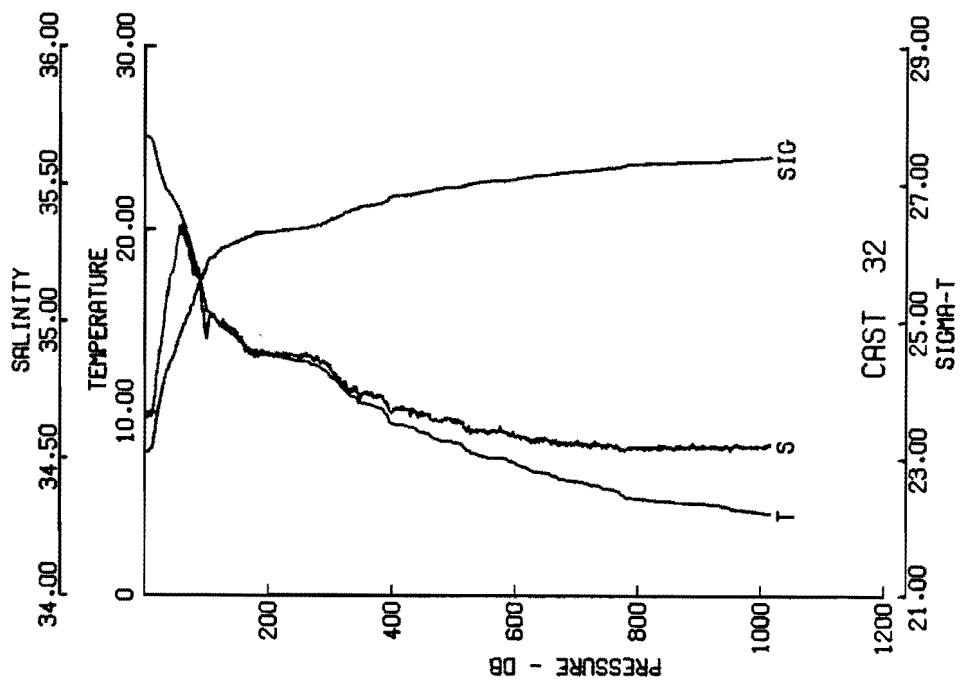


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-T (DYN M)
0	25.000	34.641	23.089	0.00
10	24.719	34.670	23.196	0.48
20	23.791	34.685	23.483	0.93
30	22.545	34.701	24.071	1.34
40	21.930	34.717	24.367	1.71
50	21.397	34.734	24.581	2.06
60	20.605	34.751	24.881	2.39
70	19.772	34.772	25.048	2.69
80	18.833	34.780	25.218	2.98
90	17.951	34.788	25.397	3.24
100	17.184	34.792	25.505	3.48
110	15.412	34.804	25.616	3.70
120	14.997	34.808	25.996	3.92
130	14.653	34.986	26.053	4.12
140	14.407	34.974	26.097	4.32
150	14.149	34.946	26.132	4.51
160	13.830	34.925	26.182	4.70
170	13.574	34.851	26.201	4.89
180	13.296	34.876	26.259	5.07
190	13.196	34.881	26.288	5.25
200	13.150	34.881	26.342	5.43
250	12.842	34.871	26.445	6.16
300	12.469	34.833	26.665	7.17
350	11.999	34.720	26.816	7.87
400	11.937	34.666	26.876	8.67
450	11.917	34.649	26.944	9.94
500	11.617	34.596	27.033	11.08
550	11.229	34.569	27.068	11.161
600	10.703	34.547	27.133	11.212
650	10.233	34.547	27.183	11.260
700	9.818	34.539	27.239	11.306
750	9.304	34.539	27.313	11.349
800	8.749	34.541	27.329	11.392
850	8.162	34.543	27.363	11.435
900	7.533	34.545	27.389	11.475
950	6.871	34.538	27.438	
1000	6.185	34.538	27.485	
1007	5.513	34.538	27.538	

CAST EP3-79-0C-32 DATE 04 MAY 79 TIME 1155 GMT
LAT 00 00.9N LONG 109 28.5W

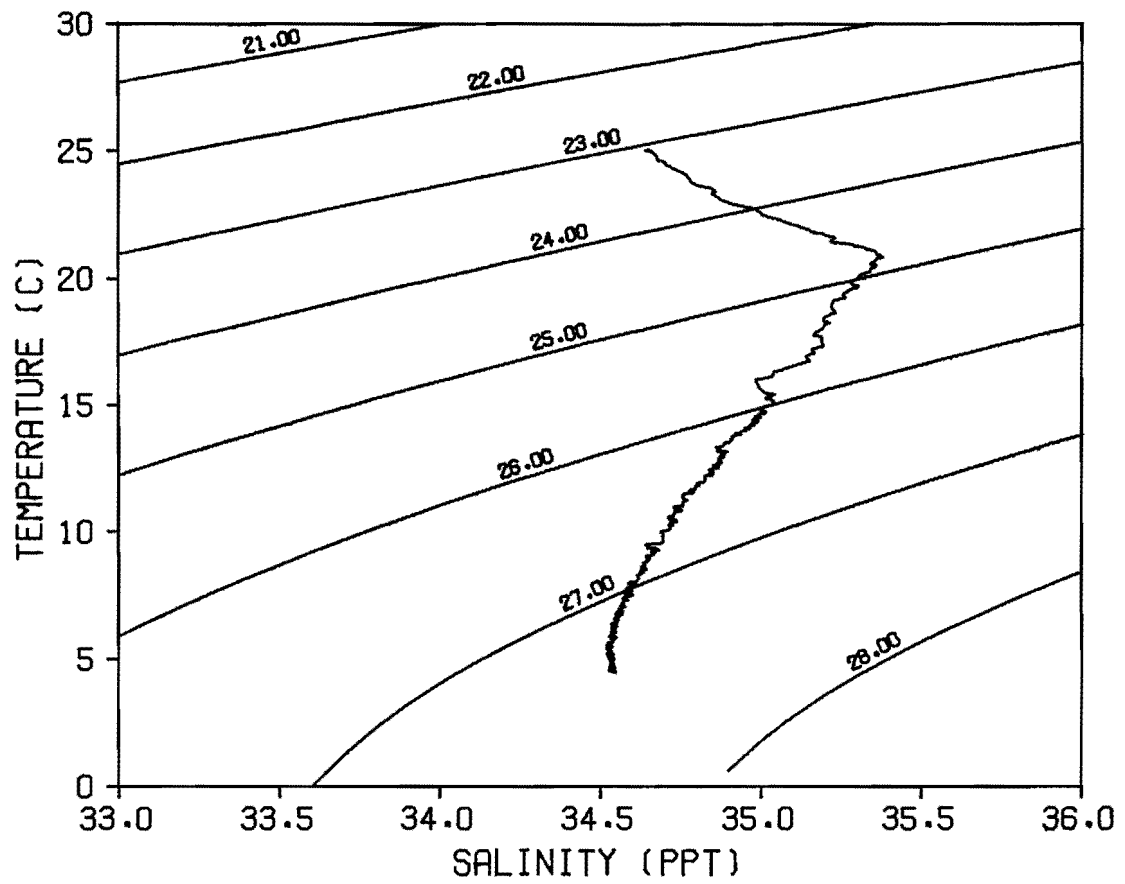


CAST EP3-79-0C-032 DATE 04 MAY 79 TIME 1155 GMT
 LAT 00 00.9N LONG 109 28.5W WEATHER 1 SEA STATE 3
 BAROMETER 09 WIND DIR 140 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 DRY 24.3 WET 24.0 DEPTH M

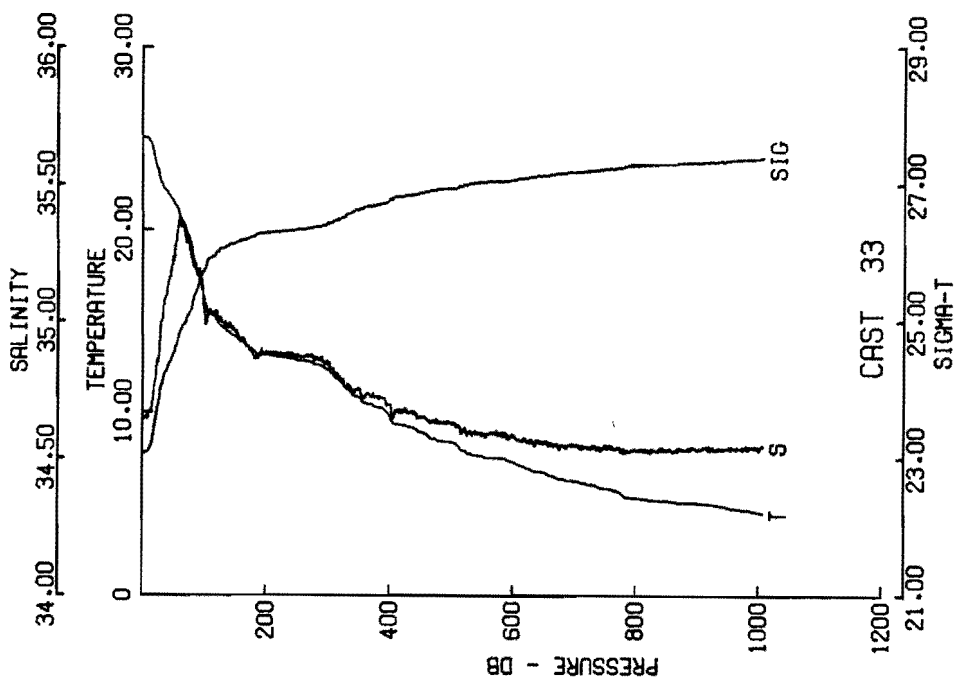


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	25.050	34.644	23.076	.000
1	25.042	34.646	23.080	.048
10	24.924	34.655	23.123	.094
20	23.764	34.809	23.585	.135
30	22.691	34.963	24.029	.172
40	21.435	35.147	24.358	.207
50	20.071	35.233	24.569	.240
60	18.671	35.347	24.864	.270
70	17.444	35.301	25.080	.298
80	17.193	35.134	25.326	.324
90	15.714	35.022	25.588	.347
100	15.352	34.935	25.780	.369
110	14.857	35.000	25.928	.389
120	14.573	34.988	26.073	.410
130	14.305	34.968	26.115	.429
140	14.040	34.959	26.164	.446
150	13.769	34.909	26.219	.464
160	13.477	34.878	26.273	.484
170	13.204	34.875	26.327	.504
180	13.187	34.875	26.382	.522
190	13.132	34.875	26.437	.540
200	13.089	34.863	26.491	.559
250	11.989	34.836	26.582	.715
300	11.500	34.720	26.665	.792
350	9.403	34.664	26.812	.863
400	8.912	34.664	26.895	.928
450	8.365	34.640	26.955	.990
500	7.810	34.607	27.013	1.048
600	7.268	34.573	27.145	1.103
700	6.715	34.576	27.189	1.156
800	6.257	34.555	27.228	1.206
900	5.844	34.539	27.294	1.255
1000	5.470	34.539	27.311	1.300
950	5.027	34.541	27.337	1.344
1016	4.827	34.542	27.353	1.387
1016	4.498	34.553	27.386	1.430
1016	4.498	34.553	27.399	1.471

CAST EP3-79-0C-33 DATE 04 MAY 79 TIME 1250 GMT
LAT 00 01.0N LONG 109 28.0W

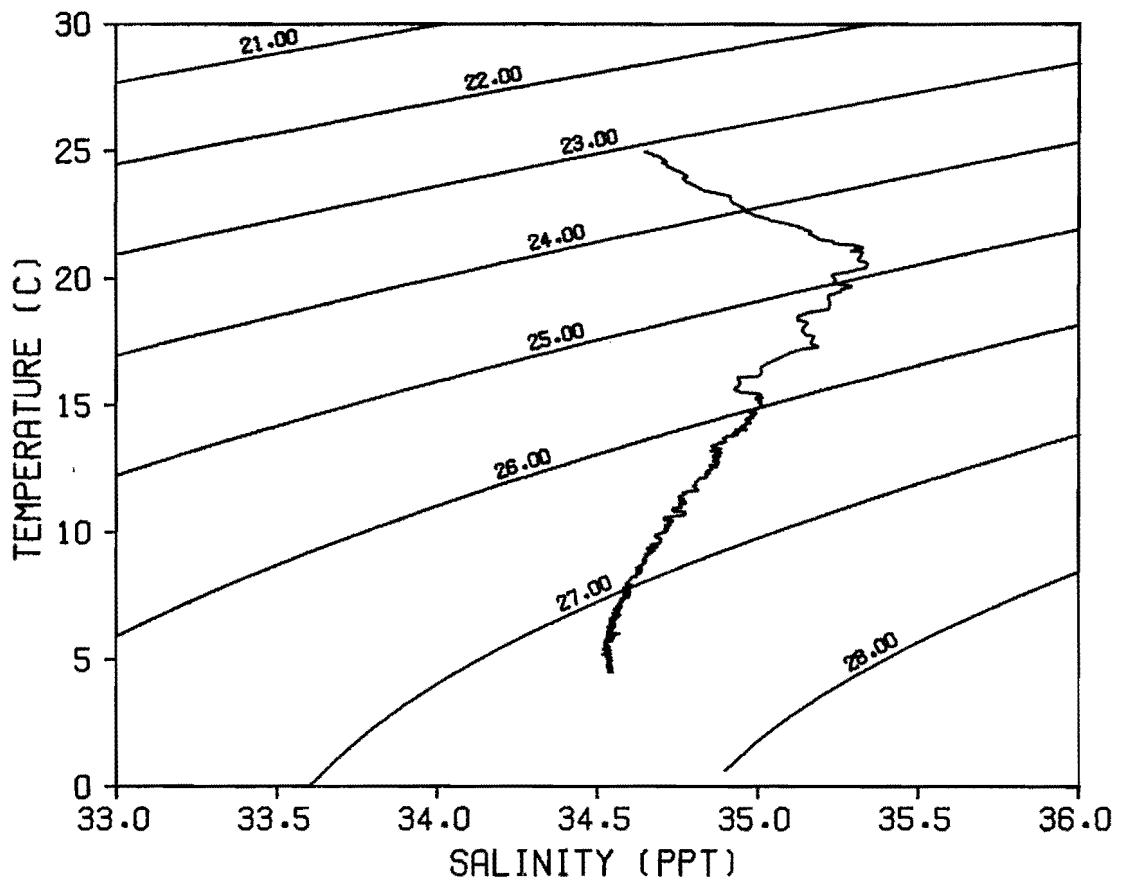


CAST EP3-73-OC-U33 DATE 04 MAY 79 TIME 1250 GMT
 LAT 00 01.0N LONG 109 23.0W WEATHER 1 SEA STATE 3
 BAROMETER 09 WIND DIR 140 T SPD 14 KT VISIBILITY 8
 CLOUD 7 AMOUNT 6 DRY 24.3 WET 24.0 DEPTH M

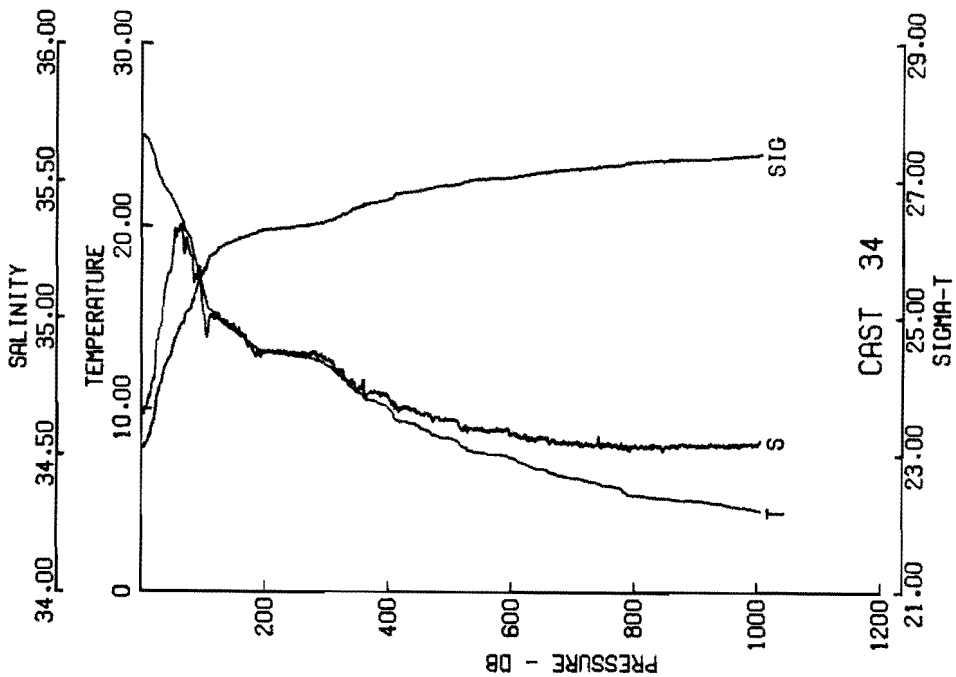


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	25.049	34.639	23.074	.000
10	24.977	34.647	23.081	.048
20	24.914	34.658	23.109	.094
30	24.859	34.675	23.150	.136
40	24.821	34.695	23.205	.173
50	24.791	34.718	23.231	.209
60	24.766	34.725	23.245	.242
70	24.745	34.730	23.249	.272
80	24.728	34.735	23.252	.301
90	24.714	34.737	23.254	.327
100	24.702	34.737	23.255	.351
110	24.692	34.736	23.255	.373
120	24.683	34.734	23.254	.394
130	24.675	34.731	23.252	.414
140	24.668	34.727	23.249	.434
150	24.662	34.722	23.245	.452
160	24.657	34.717	23.241	.472
170	24.652	34.712	23.236	.491
180	24.648	34.707	23.231	.509
190	24.644	34.703	23.226	.526
200	24.640	34.700	23.222	.544
250	24.631	34.694	23.213	.572
300	24.622	34.688	23.205	.601
350	24.613	34.685	23.198	.631
400	24.604	34.682	23.192	.661
450	24.596	34.679	23.187	.691
500	24.588	34.677	23.182	.721
550	24.581	34.675	23.178	.751
600	24.574	34.674	23.174	.781
650	24.568	34.673	23.171	.811
700	24.562	34.672	23.168	.841
750	24.557	34.671	23.165	.871
800	24.552	34.670	23.163	.901
850	24.547	34.669	23.161	.931
900	24.542	34.668	23.159	.961
950	24.538	34.667	23.157	.991
1000	24.534	34.666	23.155	1.021
1007	24.530	34.665	23.153	1.051

CAST EP3-79-0C-34 DATE 04 MAY 79 TIME 1348 GMT
LAT 00 01.2N LONG 109 27.6W

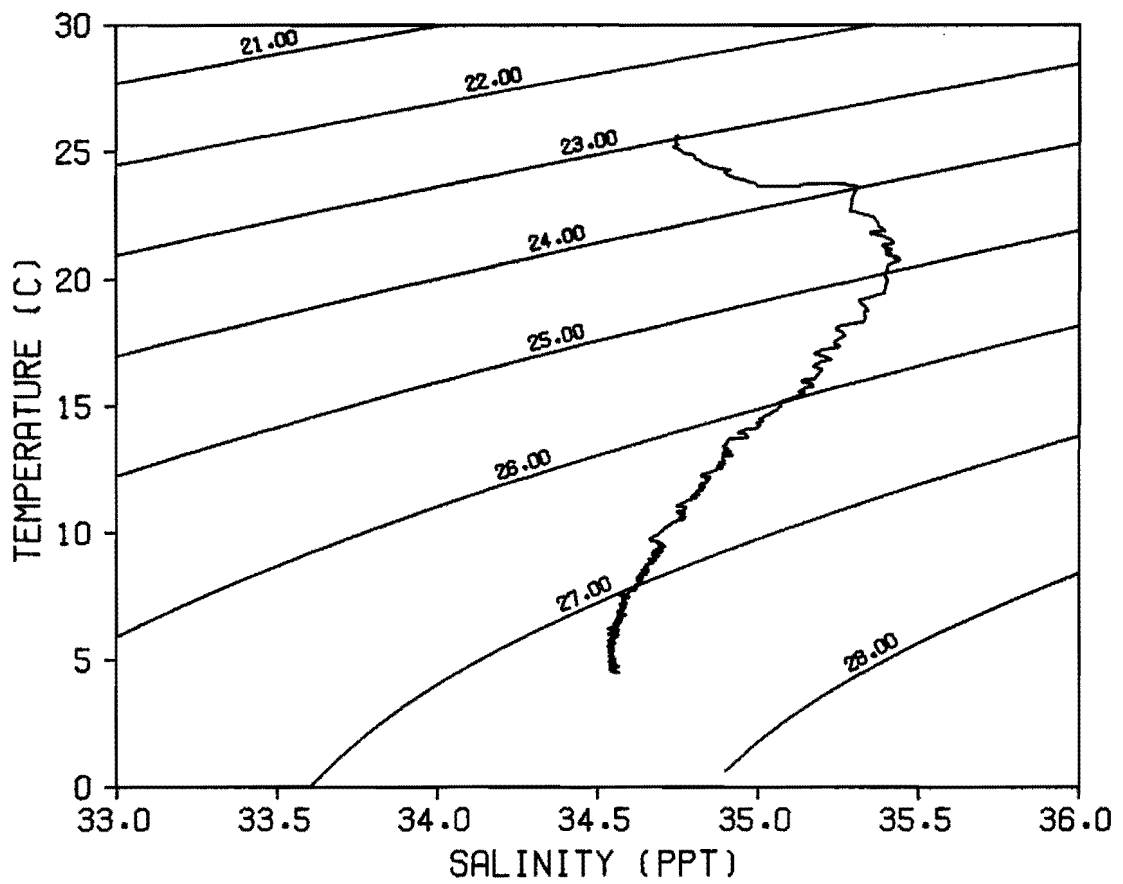


CAST EP3-79-DC-034 DATE 04 MAY 79 TIME 1349 GMT
 LAT 00 01.2N LONG 109 27.6W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 16J T SPD 13 KT VISIBILITY 8
 CLOUD 6 AMOUNT 4 DRY 24.6 WET 23.8 DEPTH M

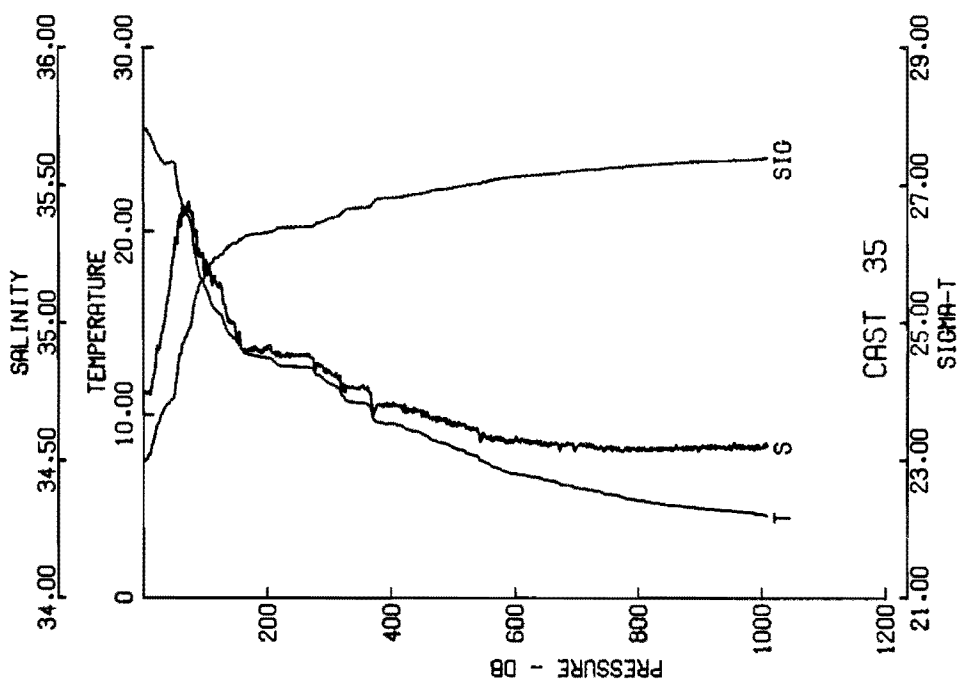


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	25.071	34.631	23.060	.000
3	24.971	34.656	23.109	.048
10	24.767	34.692	23.192	.093
20	23.940	34.768	23.350	.134
30	22.686	34.963	24.013	.172
40	21.042	35.125	24.318	.207
50	20.459	35.232	24.456	.240
60	19.779	35.315	24.508	.271
70	19.807	35.221	24.500	.300
80	19.187	35.147	24.515	.327
90	17.793	35.010	24.545	.351
100	16.493	35.006	24.589	.374
110	15.443	34.993	24.628	.395
120	14.748	34.980	24.660	.416
130	14.463	34.966	24.688	.436
140	14.290	34.936	24.715	.455
150	14.016	34.903	24.742	.475
160	13.763	34.891	24.769	.494
170	13.503	34.863	24.794	.512
180	13.246	34.870	24.810	.531
190	12.976	34.871	24.826	.549
200	12.688	34.843	24.836	.576
250	12.388	34.737	24.841	.638
300	12.097	34.720	24.854	.809
400	11.061	34.654	24.925	.945
500	9.642	34.589	24.924	1.008
550	7.641	34.571	24.950	1.066
600	6.744	34.548	24.950	1.122
650	6.271	34.547	24.950	1.176
700	5.862	34.547	24.950	1.227
750	5.340	34.530	24.950	1.276
800	5.177	34.539	24.950	1.322
850	5.041	34.534	24.950	1.366
900	4.816	34.534	24.950	1.410
950	4.526	34.534	24.950	1.452
1000	4.498	34.554	24.950	1.493
1005			27.400	

CAST EP3-79-0C-35 DATE 05 MAY 79 TIME 0135 GMT
LAT 0 39.0S LONG 110 00.9W

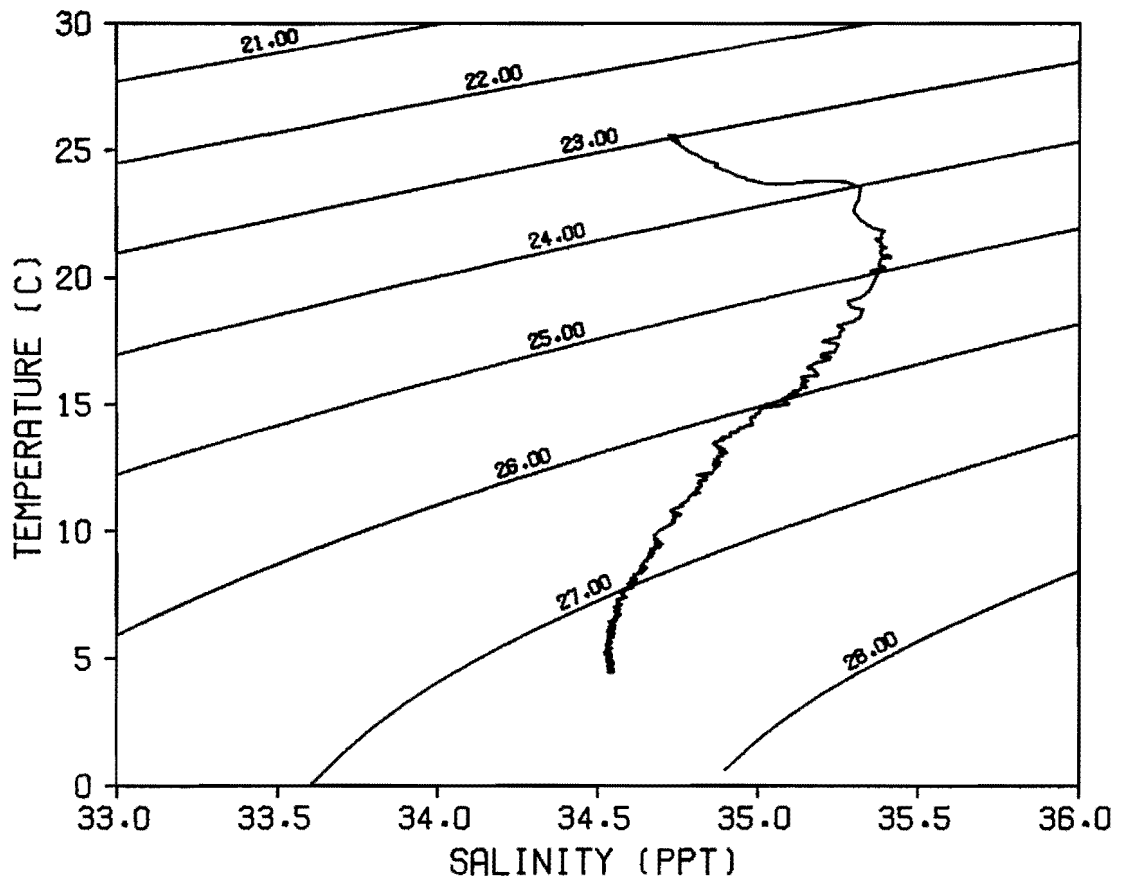


CAST EP3-79-DC-035 DATE 05 MAY 79 TIME 0135 GMT
 LAT 00 39.0S LONG 110 00.9W WEATHER 1 SEA STATE 3
 BAROMETER 08 WIND DIR 140 T SPD 11 KT VISIBILITY 8
 CLOUD AMOUNT 0 WIND DRY 25.5 WET 24.5 DEPTH M

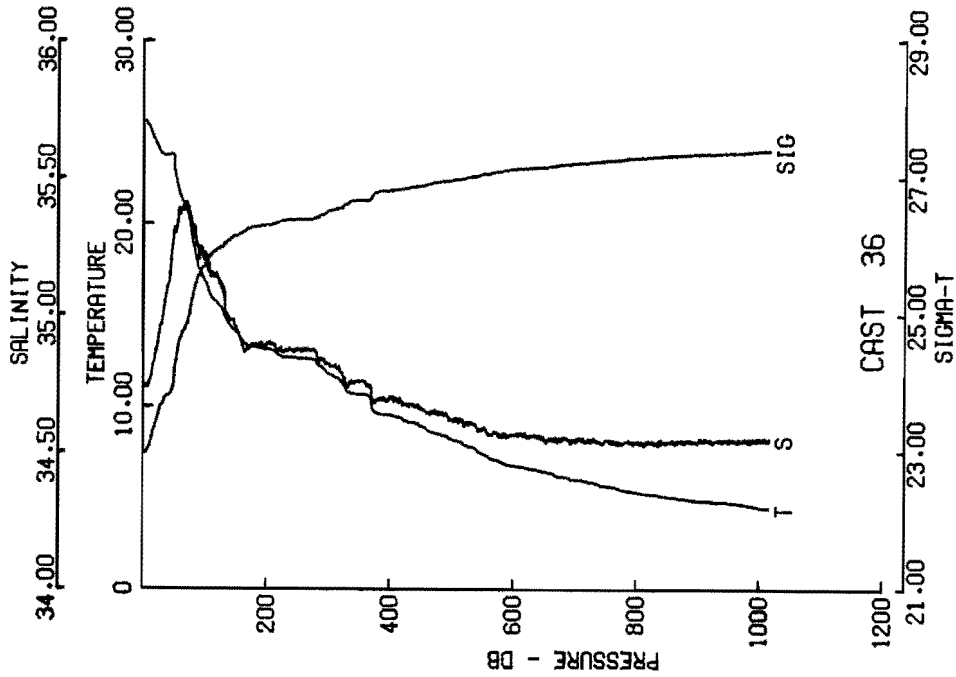


PKESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DLTA-D (DYN M)
0	25.691	34.752	22.961	.000
10	25.661	34.751	22.969	.049
20	25.390	34.751	23.080	.095
30	24.438	34.856	23.420	.139
40	23.850	34.963	23.676	.180
50	23.721	35.099	23.828	.221
60	21.869	35.266	24.034	.259
70	20.988	35.402	24.206	.291
80	19.461	35.393	24.819	.321
90	17.775	35.272	25.552	.347
100	16.917	35.213	25.714	.371
110	16.023	35.141	25.866	.394
120	15.623	35.117	25.955	.415
130	15.012	35.071	25.941	.436
140	14.360	34.998	26.041	.455
150	14.026	34.955	26.126	.474
160	13.518	34.899	26.164	.493
170	13.260	34.907	26.226	.511
180	13.216	34.915	26.286	.529
190	13.138	34.885	26.301	.547
200	13.032	34.816	26.327	.564
250	12.595	34.848	26.405	.650
300	11.703	34.828	26.530	.734
350	10.615	34.768	26.681	.809
400	9.489	34.701	26.823	.878
450	8.266	34.659	26.979	.943
500	8.227	34.623	26.963	1.003
550	7.435	34.600	27.063	1.061
600	5.775	34.574	27.135	1.114
650	5.455	34.556	27.165	1.161
700	5.997	34.546	27.250	1.214
750	5.669	34.545	27.250	1.261
800	5.334	34.538	27.291	1.306
850	5.065	34.547	27.330	1.350
900	4.882	34.544	27.349	1.392
950	4.774	34.544	27.361	1.433
1000	4.556	34.553	27.387	1.474
1009	4.475	34.553	27.501	

CAST EP3-79-0C-36 DATE 05 MAY 79 TIME 0230 GMT
LAT 0 38.8S LONG 109 59.9W

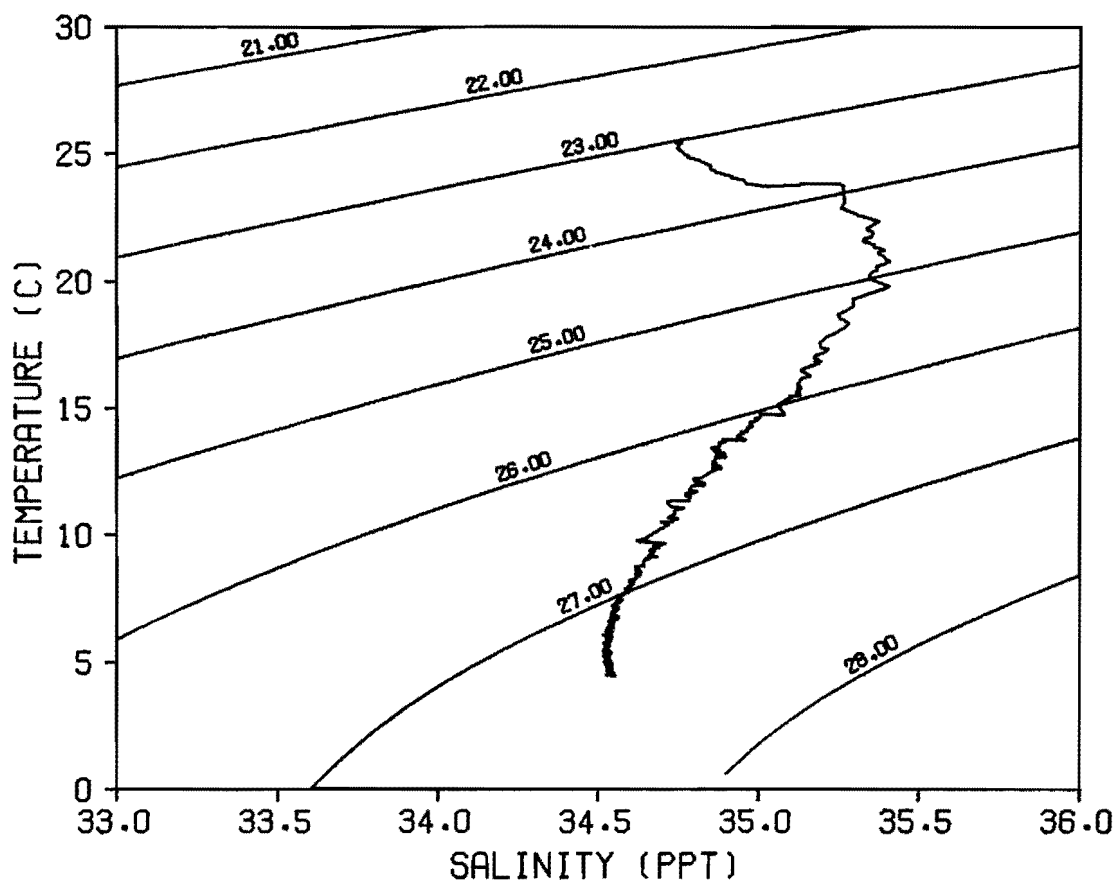


CAST EP3-79-DC-036 DATE 05 MAY 79 TIME 0230 GMT
 LAT 00.38.6S LONG 109 59.9W WEATHER 1 SEA STATE 3
 BAROMETER 09 WIND DIR 130 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 1 DRY 25.1 WET 24.5 DEPTH M

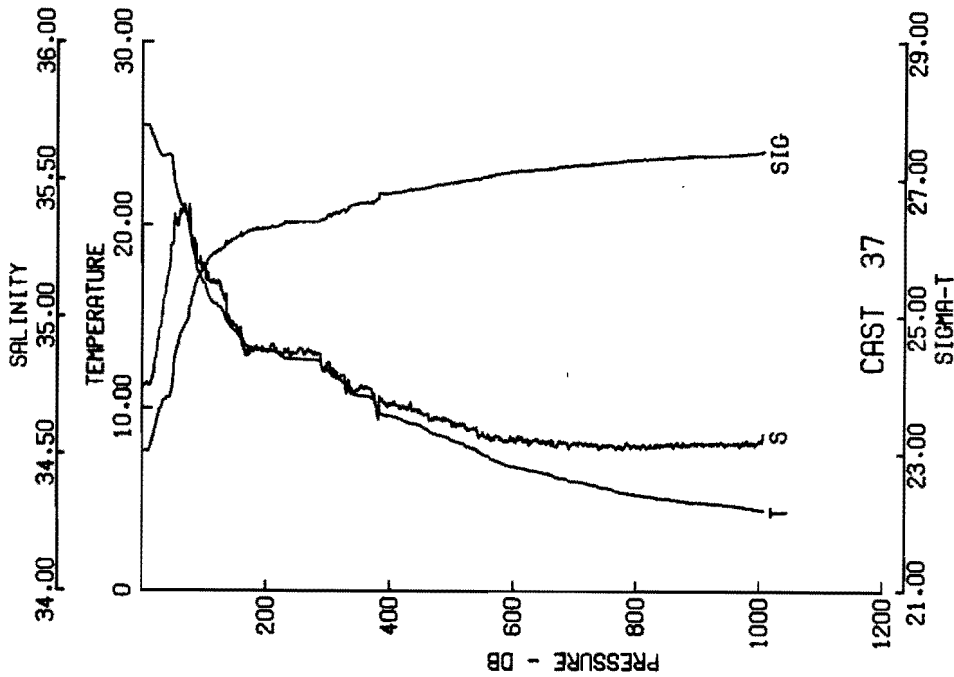


DEPTH (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	25.594	34.723	22.969	0.00
10	25.326	34.743	23.066	0.049
20	24.931	34.855	23.392	0.095
30	24.444	34.966	23.680	0.139
40	23.719	35.107	23.823	0.180
50	23.029	35.321	24.051	0.211
60	21.559	35.386	24.486	0.257
70	19.857	35.409	24.861	0.289
80	17.518	35.280	25.238	0.319
90	16.855	35.212	25.569	0.344
100	16.855	35.228	25.760	0.368
110	15.985	35.145	25.879	0.390
120	15.639	35.136	25.951	0.412
130	15.167	35.074	26.009	0.432
140	14.451	34.980	26.093	0.452
150	14.043	34.958	26.155	0.472
160	13.987	34.885	26.181	0.491
170	13.309	34.883	26.257	0.509
180	13.231	34.892	26.280	0.527
190	13.105	34.886	26.289	0.545
200	13.104	34.888	26.303	0.563
250	12.615	34.875	26.390	0.650
300	11.721	34.821	26.513	0.734
350	10.629	34.757	26.671	0.811
400	9.499	34.701	26.822	0.880
450	8.939	34.656	26.878	0.945
500	8.205	34.617	26.962	1.006
550	7.418	34.582	27.051	1.064
600	6.774	34.563	27.126	1.117
650	6.445	34.553	27.164	1.169
700	6.445	34.539	27.210	1.218
750	5.658	34.540	27.254	1.265
800	5.310	34.534	27.291	1.310
850	5.066	34.538	27.323	1.354
900	4.888	34.530	27.339	1.396
950	4.731	34.540	27.368	1.438
1000	4.470	34.539	27.389	1.479
1016	4.426	34.546	27.402	1.479

CAST EP3-79-0C-37 DATE 05 MAY 79 TIME 0322 GMT
LAT 0 38.8S LONG 109 59.9W

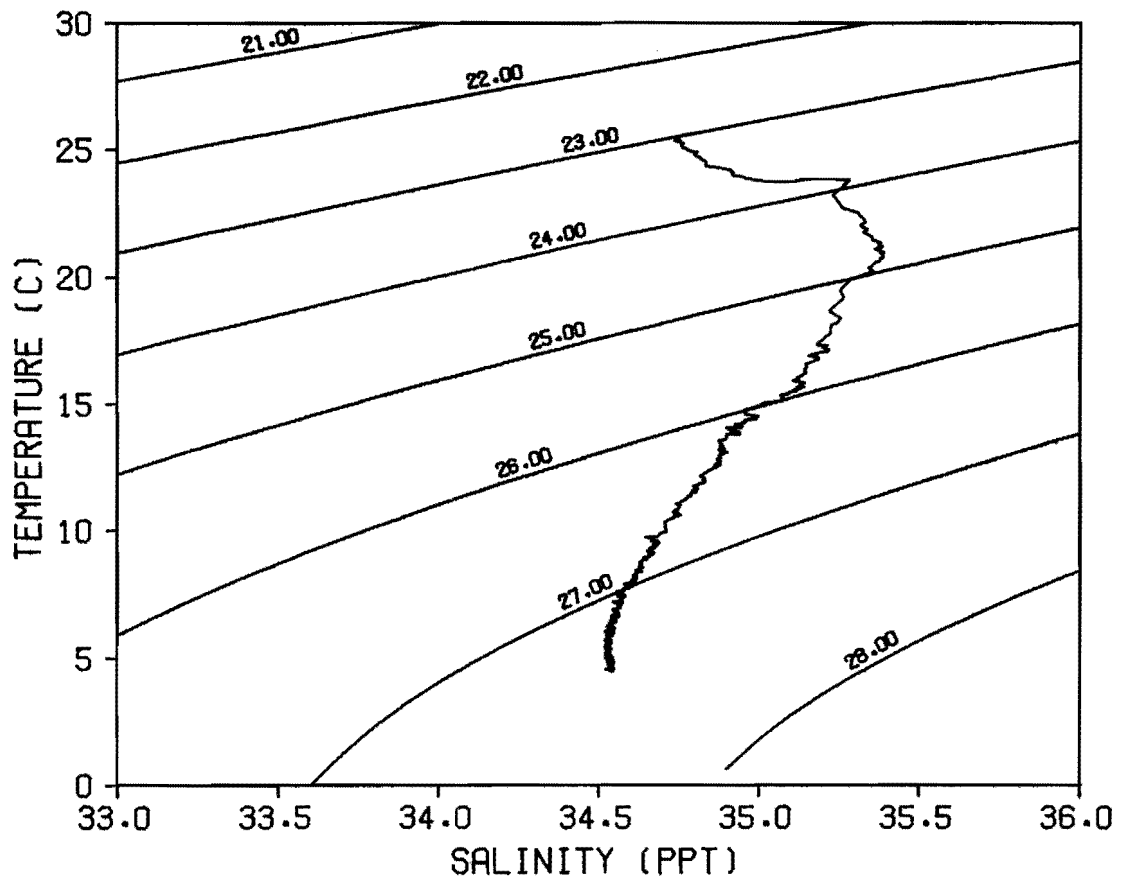


CAST EP3-73-OC-037 DATE 05 MAY 79 TIME 0322 GMT
 LAT 00 38.8S LONG 109 59.9W WEATHER 1 SEA STATE 3
 BAROMETER 09 WIND DIR 140 T SPD 10 KT VISIBILITY R
 CLOUD 8 AMOUNT 1 DRY 25.0 WET 24.2 DEPTH M

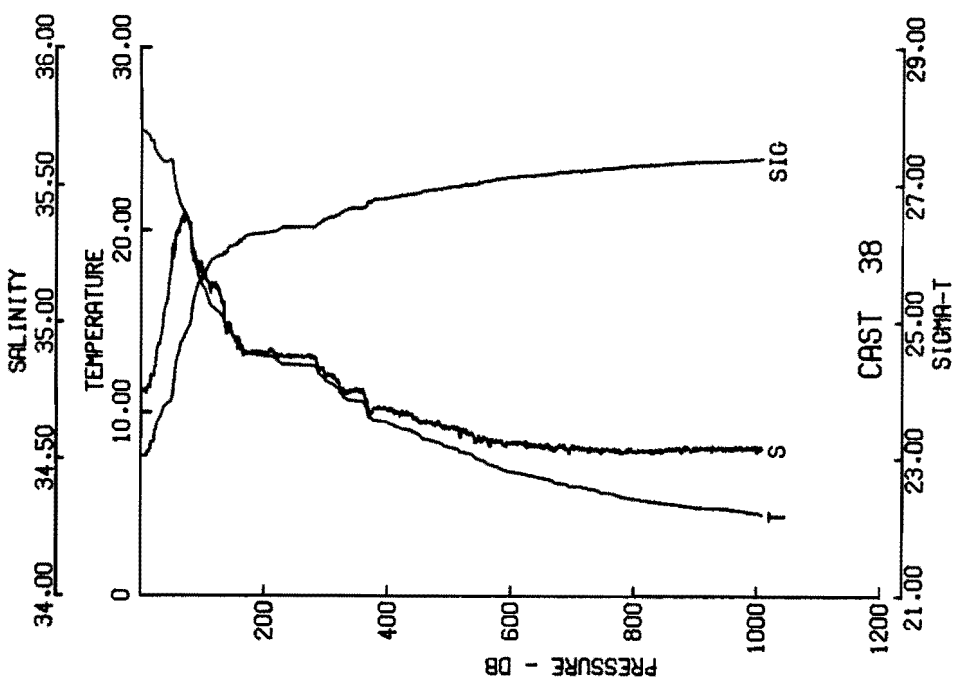


DEPTH (M)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	25.431	34.761	23.037	0.00
10	24.977	34.825	23.046	0.048
20	24.878	34.825	23.032	0.096
30	24.978	34.939	23.066	0.140
40	23.782	35.122	23.816	0.227
50	23.102	35.269	24.126	0.257
60	23.430	35.361	24.668	0.289
70	20.682	35.395	24.898	0.318
80	19.031	35.395	25.250	0.343
90	17.489	35.193	25.723	0.368
100	16.823	35.196	25.866	0.391
110	15.964	35.122	25.940	0.412
120	15.663	35.129	25.981	0.433
130	15.329	35.085	26.067	0.453
140	14.911	34.964	26.136	0.473
150	14.491	34.864	26.221	0.511
160	13.939	34.856	26.260	0.529
170	13.363	34.872	26.276	0.547
180	13.210	34.881	26.287	0.565
190	13.134	34.876	26.371	0.593
200	12.884	34.883	26.404	0.617
250	12.031	34.824	26.679	0.888
300	10.664	34.727	26.862	0.953
350	9.050	34.658	26.954	1.016
400	7.268	34.619	27.031	1.074
450	6.788	34.570	27.116	1.128
500	6.439	34.537	27.156	1.180
550	6.247	34.542	27.213	1.230
600	6.052	34.533	27.247	1.277
650	5.857	34.537	27.293	1.322
700	5.653	34.537	27.324	1.366
750	5.453	34.538	27.340	1.408
800	5.253	34.534	27.359	1.450
850	5.053	34.534	27.398	1.491
900	4.853	34.534	27.421	1.533
950	4.653	34.534	27.446	1.575
1000	4.453	34.534	27.471	1.617
1050	4.253	34.534	27.496	1.659
1100	4.053	34.534	27.521	1.701
1150	3.853	34.534	27.546	1.743
1200	3.653	34.534	27.571	1.785

CAST EP3-79-0C-38 DATE 05 MAY 79 TIME 0429 GMT
LAT 0 38.8S LONG 109 59.9W

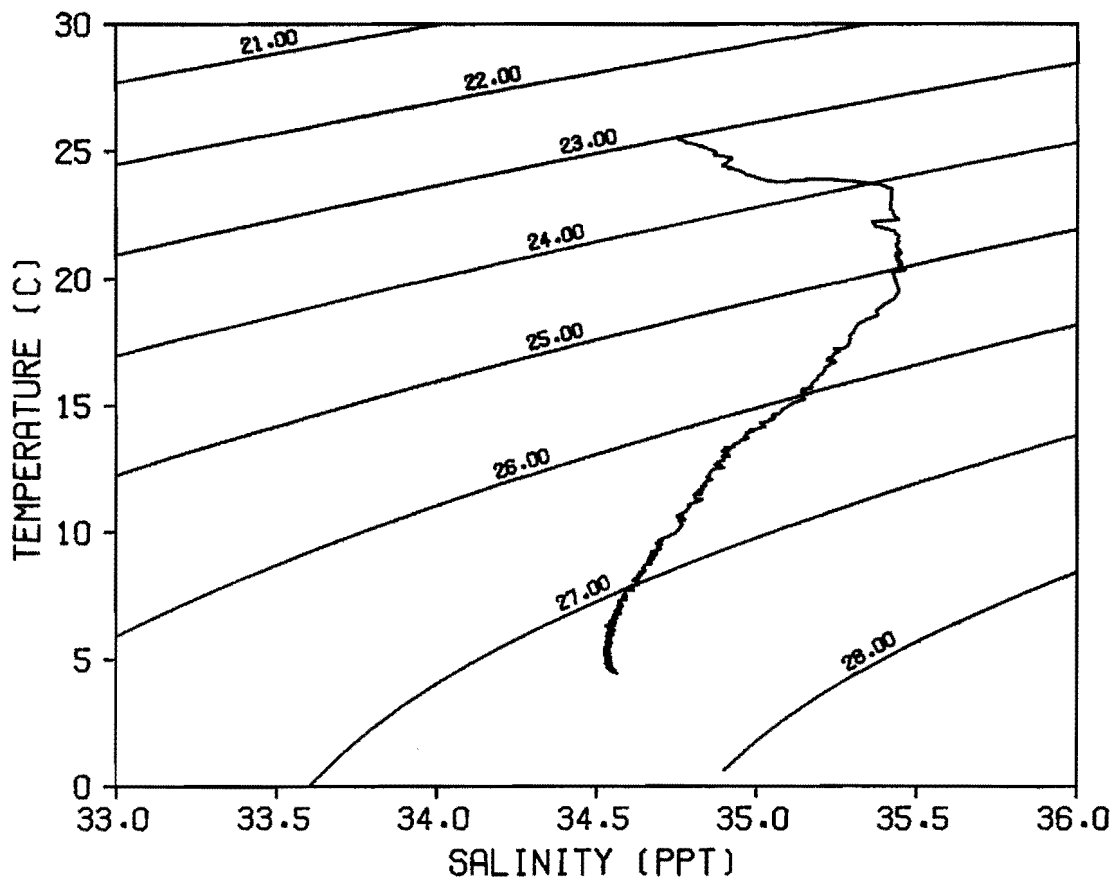


CAST EP3-73-DC-038 DATE 05 MAY 79 TIME 0429 GMT
 LAT 00 38.8S LONG DIR 109 59.9W WEATHER 1 SEA STATE 3
 BAROMETER 09 WIND 140 T SPD 10 KT VISIBILITY R
 CLOUD 8 AMOUNT 1 DRY 25.0 WET 24.2 DEPTH M

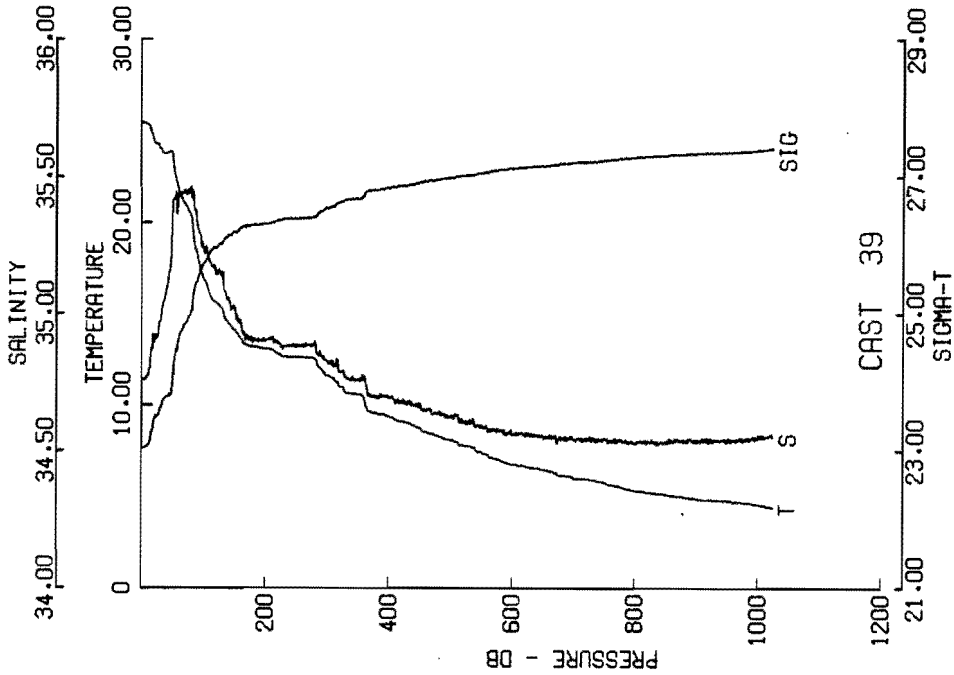


DEPTH (M)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	25.443	34.756	23.040	.000
2	25.438	34.756	23.039	.048
10	25.286	34.807	23.090	.096
20	24.058	34.920	23.282	.140
30	23.748	35.056	23.776	.182
40	23.854	35.232	23.878	.223
50	21.089	35.361	24.564	.264
60	20.215	35.359	24.762	.294
70	17.947	35.225	24.994	.325
80	16.943	35.162	25.474	.352
100	15.701	35.140	25.669	.377
120	15.377	35.128	25.836	.400
130	14.294	35.080	25.937	.421
140	14.240	34.945	26.044	.442
150	13.810	34.916	26.119	.463
160	13.352	34.881	26.247	.482
170	13.244	34.881	26.369	.502
180	13.119	34.889	26.485	.538
190	12.962	34.870	26.501	.556
200	11.757	34.749	26.495	.574
250	10.622	34.672	26.667	.662
300	9.811	34.640	26.806	.823
350	9.124	34.608	26.886	.956
400	8.432	34.589	26.967	1.017
450	7.786	34.559	27.038	1.075
500	6.453	34.539	27.121	1.129
550	5.983	34.537	27.151	1.180
600	5.317	34.526	27.250	1.230
650	5.073	34.531	27.323	1.277
700	4.928	34.535	27.384	1.323
750	4.779	34.530	27.516	1.367
800	4.556	34.531	27.345	1.410
850	4.482	34.538	27.375	1.451
900			27.389	1.492
950				
1000				
1008				

CAST EP3-79-0C-39 DATE 05 MAY 79 TIME 0533 GMT
LAT 0 38.8S LONG 109 59.9W

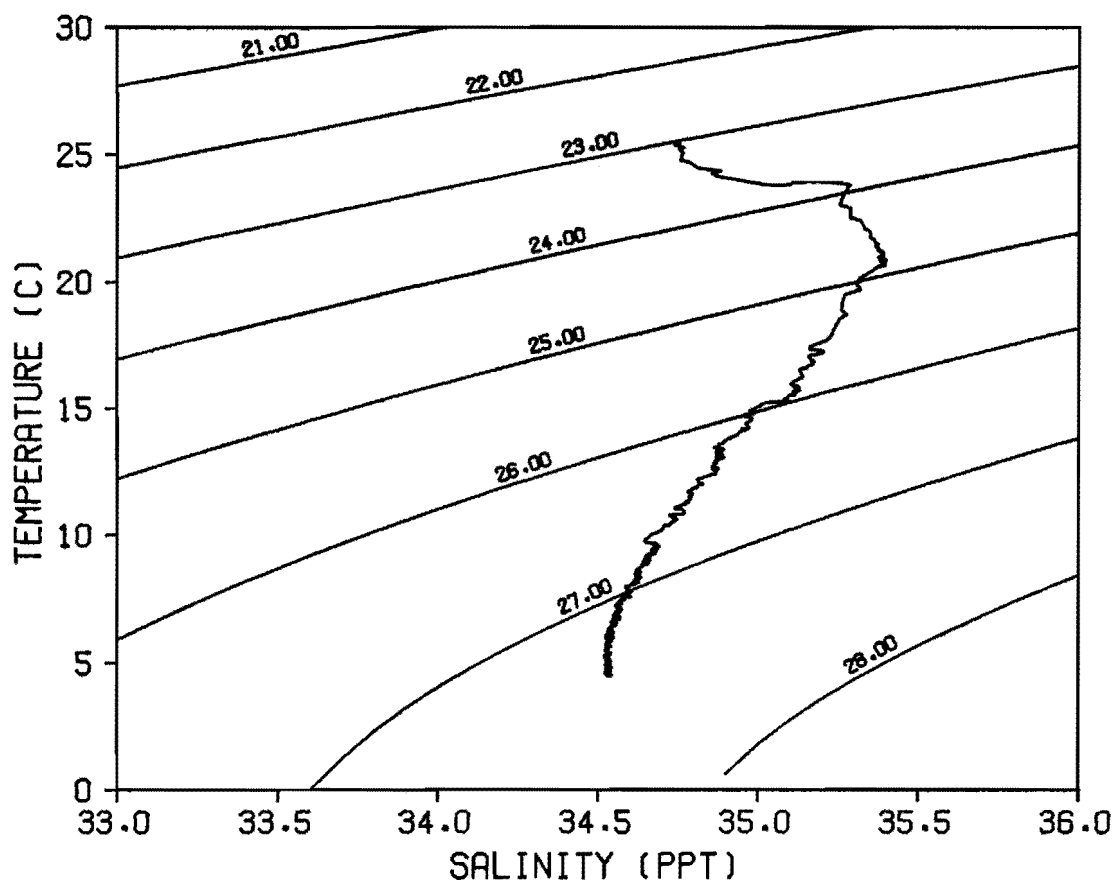


CAST EP3-73-60-U39 DATE OF MAY 79 TIME 0533 GMT
 LAT 00 38.6 S LONG 109 59.9 W WEATHER 1 SEA STATE 3
 BAROMETER 10.1 WIND DIR 140 T SPD 10 KT VISIBILITY M
 CLOUD 8 AMOUNT 1 DRY 25.0 WET 24.2 MET 24.2 DEPTH M

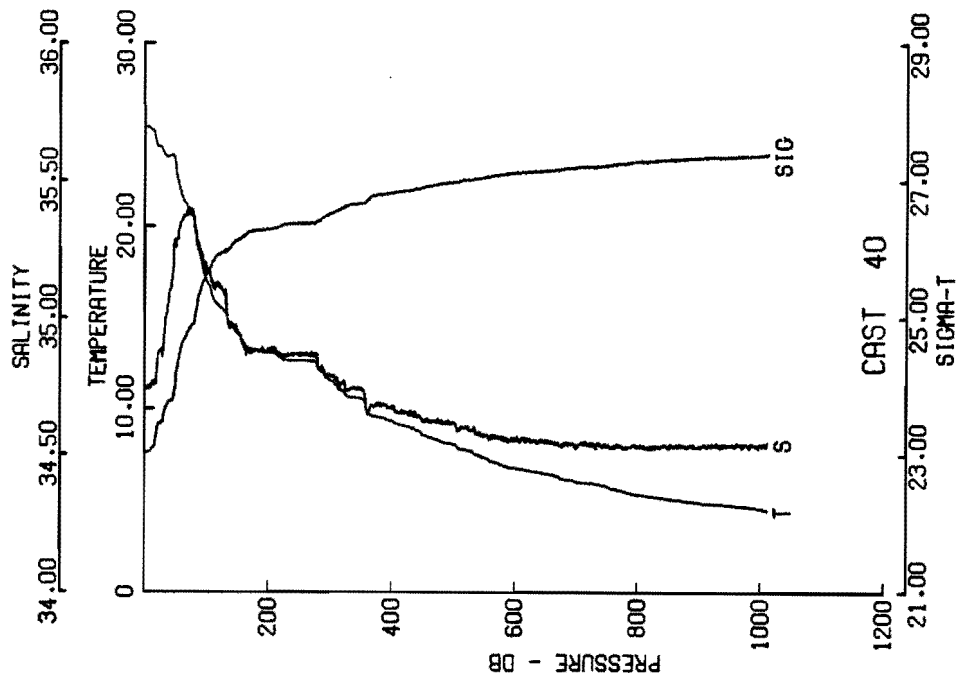


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	25.467	34.759	23.035	.000
4	22.438	34.760	23.045	.048
10	22.374	34.771	23.043	.095
20	24.543	34.912	23.041	.139
30	24.067	34.968	23.041	.181
40	23.792	35.074	23.042	.222
50	23.792	35.305	23.052	.258
60	21.875	35.429	24.059	.291
70	21.022	35.446	24.436	.322
80	22.425	35.460	25.016	.349
90	18.393	35.348	25.417	.373
100	17.004	35.244	25.878	.396
110	16.157	35.195	25.878	.417
120	15.039	35.173	25.878	.437
130	15.334	35.137	25.878	.457
140	14.539	35.060	26.135	.476
150	14.139	35.977	26.249	.495
160	13.700	34.923	26.291	.513
170	13.293	34.923	26.291	.531
180	13.201	34.903	26.291	.549
190	13.174	34.879	26.291	.566
200	13.037	34.900	26.316	.583
250	12.632	34.687	26.354	.737
300	11.635	34.629	26.479	.811
350	10.596	34.759	26.647	.879
400	9.397	34.696	26.835	.943
450	8.751	34.667	26.982	1.003
500	7.999	34.622	27.057	1.060
550	7.434	34.592	27.120	1.113
600	6.787	34.557	27.159	1.164
650	6.444	34.556	27.207	1.214
700	6.060	34.545	27.230	1.262
750	5.739	34.542	27.230	1.307
800	5.339	34.526	27.230	1.351
850	5.132	34.531	27.310	1.394
900	4.900	34.539	27.347	1.436
950	4.793	34.529	27.347	1.477
1000	4.587	34.544	27.382	1.518
1024	4.417	34.549	27.405	1.540

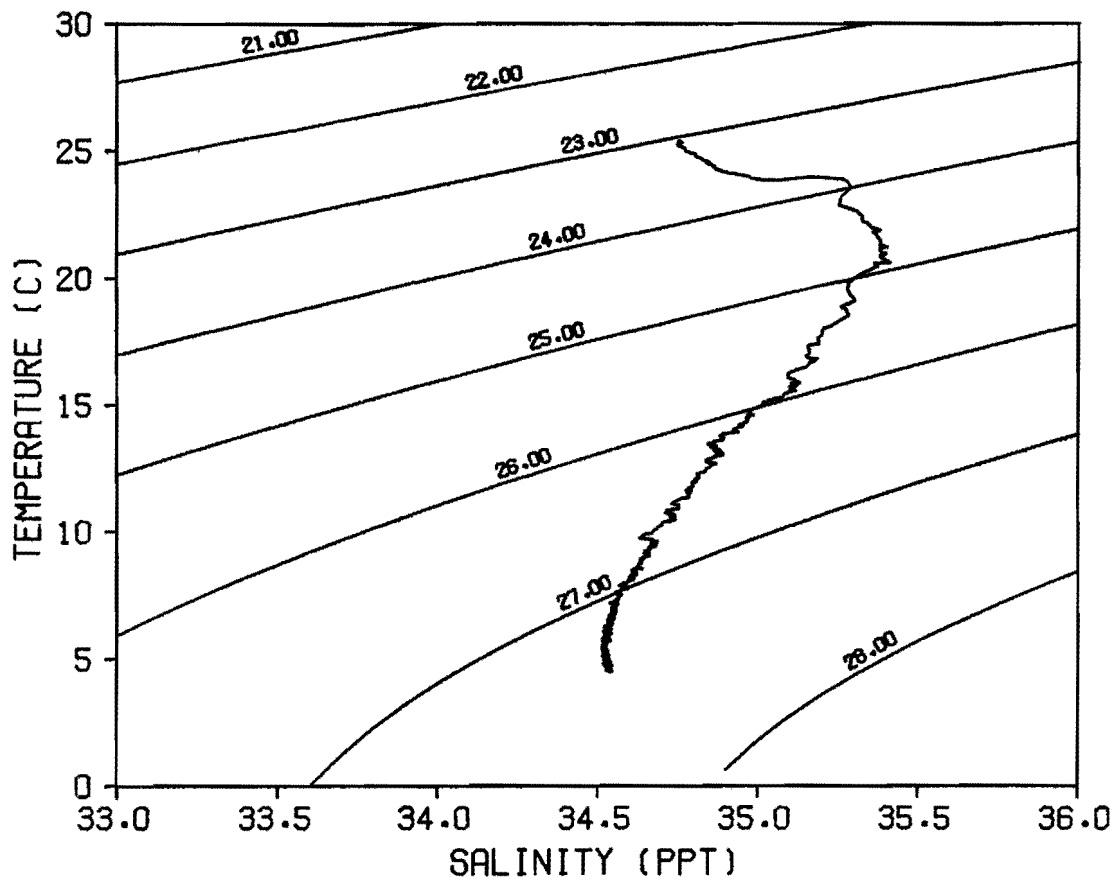
CAST EP3-79-0C-40 DATE 05 MAY 79 TIME 0639 GMT
LAT 0 38.8S LONG 109 59.9W



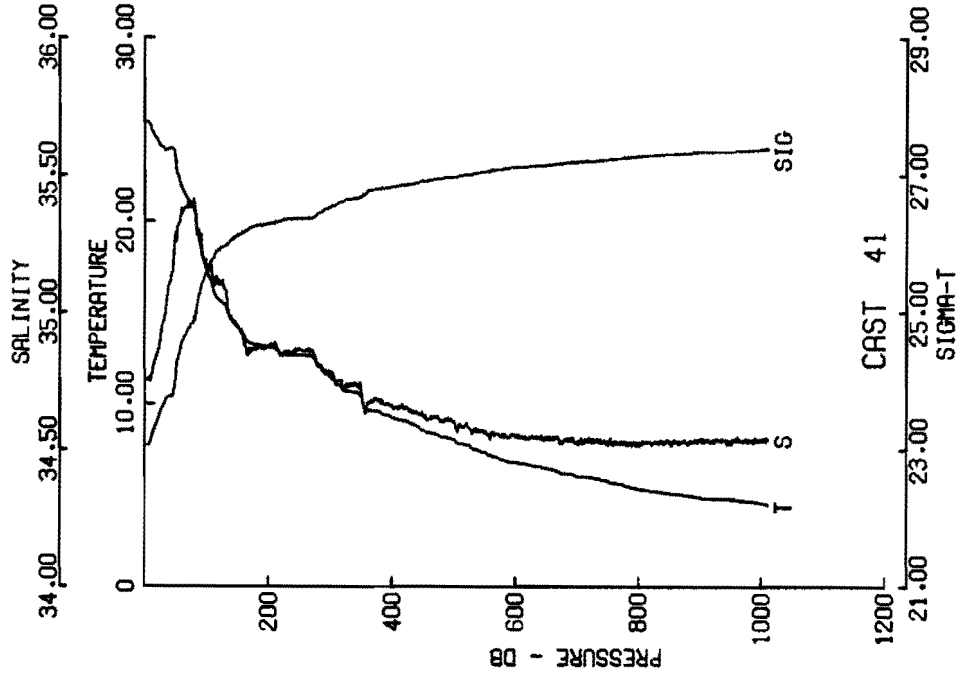
CAST 2P3-73-0C-040 DATE 05 MAY 79 TIME 0639 GMT
 LAT 30 34.8S LONG 109 29.9W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 140 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 1 DRY 25.0 WET 24.2 DEPTH M



CAST EP3-79-0C-41 DATE 05 MAY 79 TIME 0731 GMT
LAT 0 38.6S LONG 109 56.3W

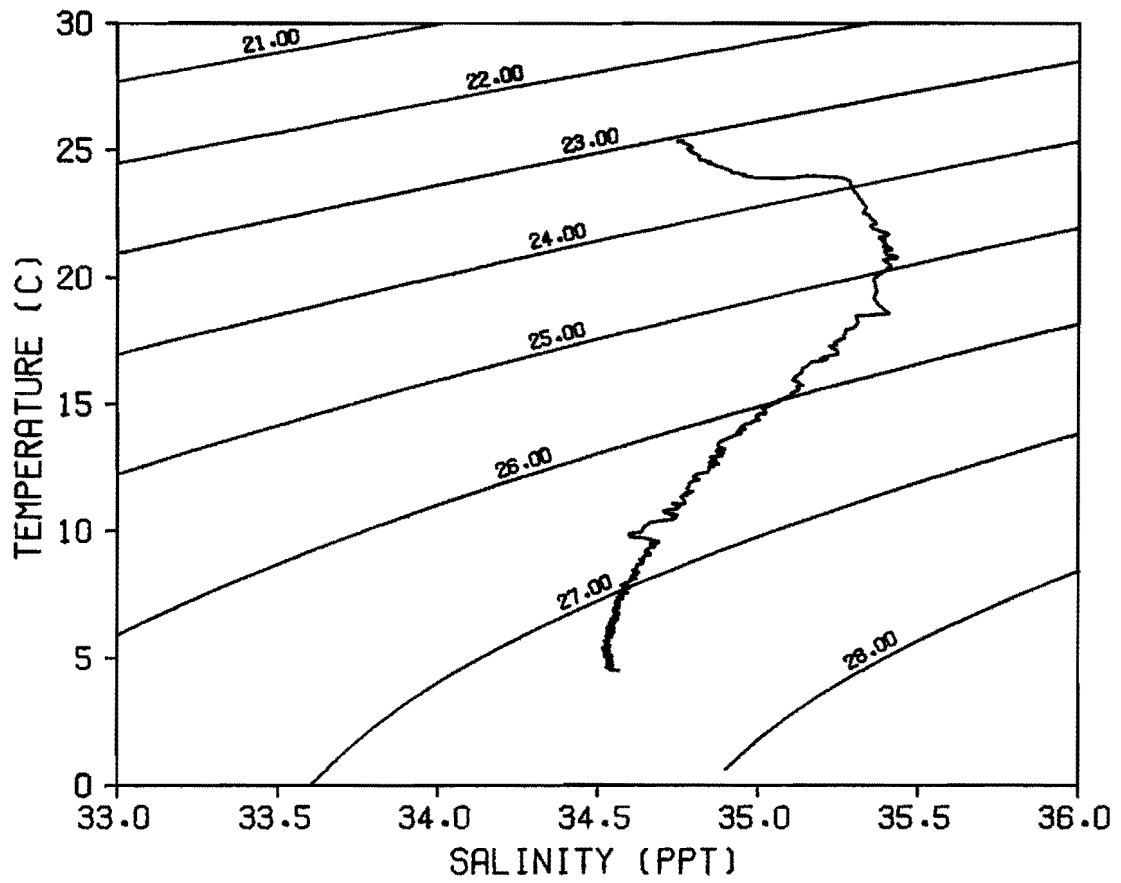


CAST EP3-79-CC-041 DATE 05 MAY 79 TIME 0731 GMT
 LAT 00 38.65 LONG 109 56.34 WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 110 T SPD 10 VISIBILITY 8
 CLOUD 6 AMOUNT 1 DRY 25.0 WET 24.5 DEPTH M

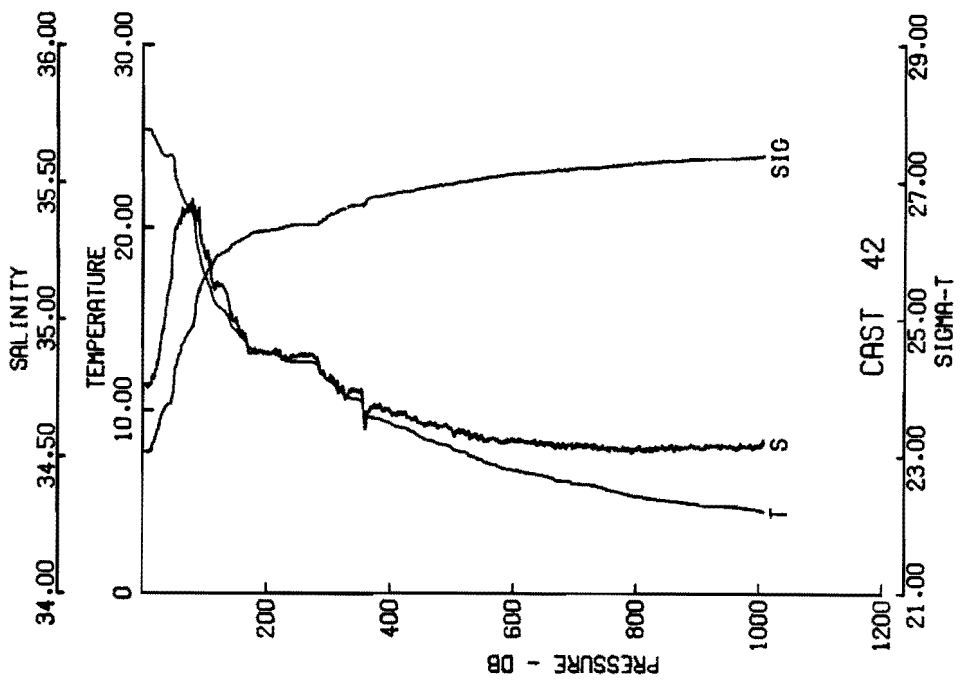


DEPTH (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DLTA-D (DYN M)
0	25.378	34.756	23.061	.000
2	25.368	34.757	23.064	.048
10	22.514	34.841	23.102	.094
20	23.098	34.968	23.186	.138
30	23.903	35.100	23.264	.180
40	23.531	35.233	23.341	.221
50	21.864	35.383	23.456	.257
60	21.203	35.406	23.476	.291
70	20.595	35.415	23.493	.322
80	18.751	35.274	23.531	.351
90	17.326	35.159	23.572	.377
100	16.383	35.126	23.607	.400
110	15.723	35.103	23.629	.422
120	15.385	35.088	23.649	.443
130	14.587	34.942	23.670	.464
140	14.220	34.859	23.683	.483
150	13.819	34.852	23.691	.503
160	13.359	34.843	23.697	.521
170	13.216	34.873	23.706	.540
180	13.176	34.876	23.711	.558
190	13.113	34.780	23.717	.576
200	12.698	34.864	23.722	.593
250	11.521	34.725	23.683	.663
300	10.446	34.661	23.629	.747
350	9.239	34.637	23.569	.850
400	8.051	34.577	23.504	.954
450	7.337	34.558	23.444	1.014
500	6.452	34.542	23.382	1.072
550	5.793	34.527	23.326	1.125
600	5.343	34.526	23.272	1.177
650	5.115	34.534	23.229	1.227
700	4.894	34.535	23.184	1.275
750	4.733	34.536	23.140	1.322
800	4.575	34.536	23.097	1.366
850	4.490	34.536	23.055	1.409
900			23.014	1.451
950			22.973	1.492
1000			22.933	
1011			22.938	

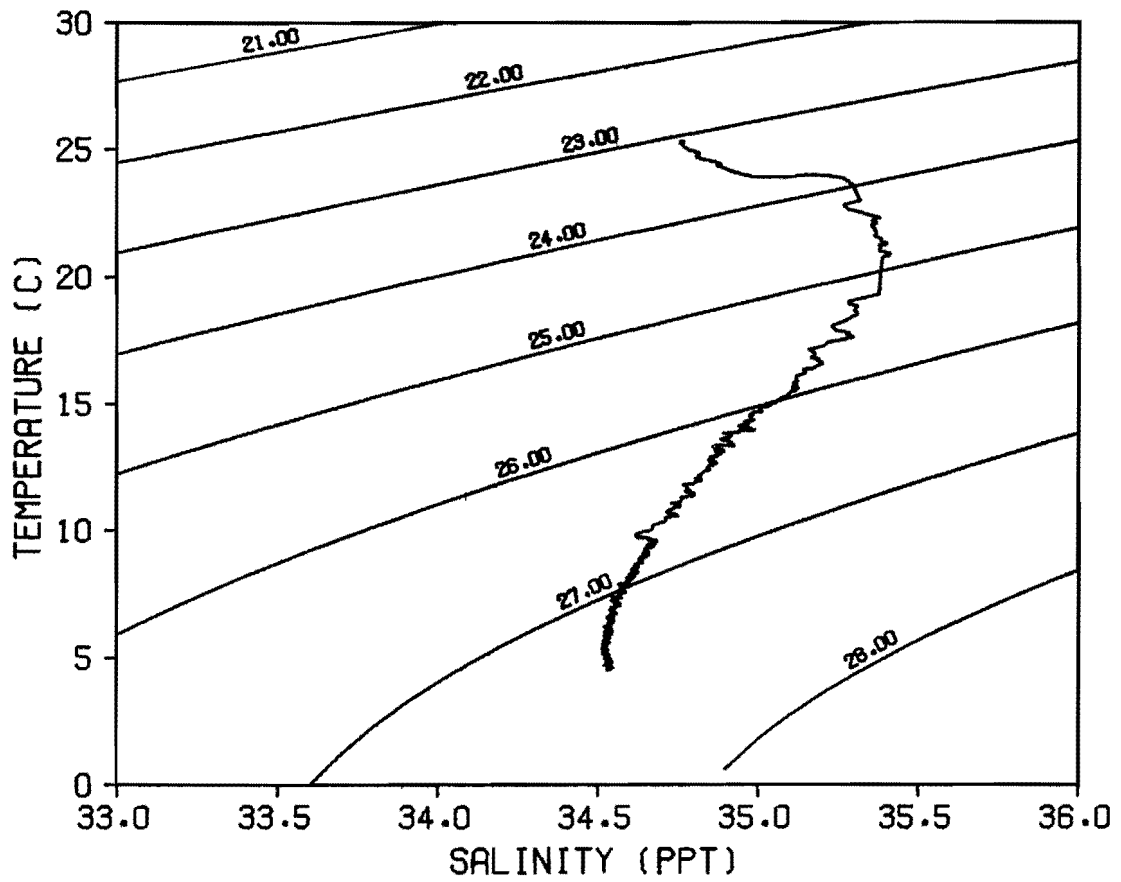
CAST EP3-79-0C-42 DATE 05 MAY 79 TIME 0831 GMT
LAT 0 38.5S LONG 109 57.4W



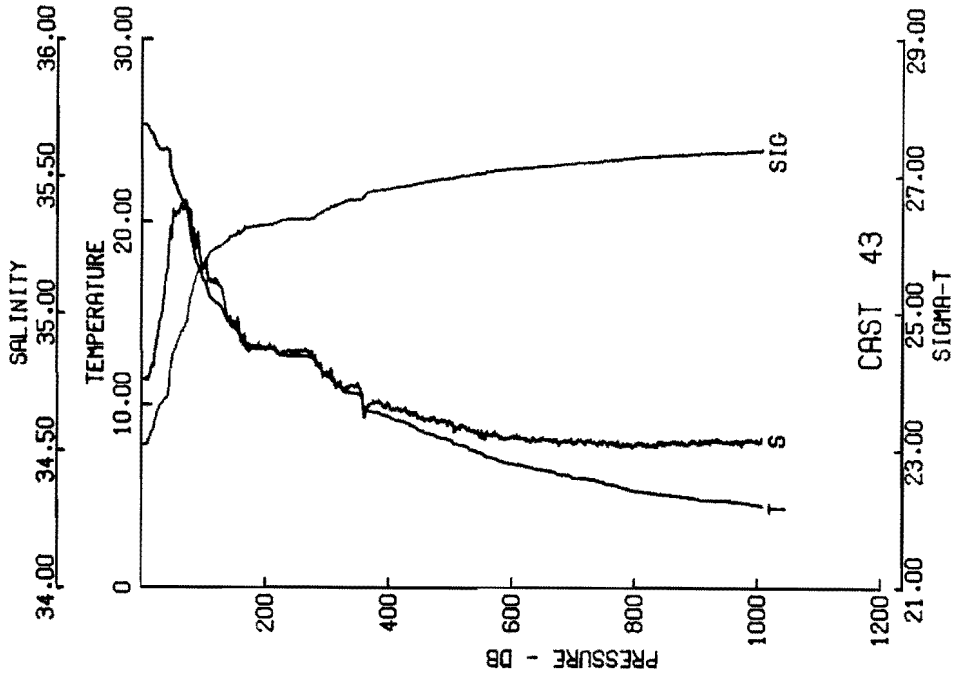
CASE 183-73-UC-042 DATE 05 MAY 79 TIME 0831 GMT
 LAT 00 34.55 LONG 109 57.4W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 120 T SPD 04 KT VISIBILITY R
 CLOUD % AMOUNT 1 DRY 25.0 WET 24.5 DEPTH M



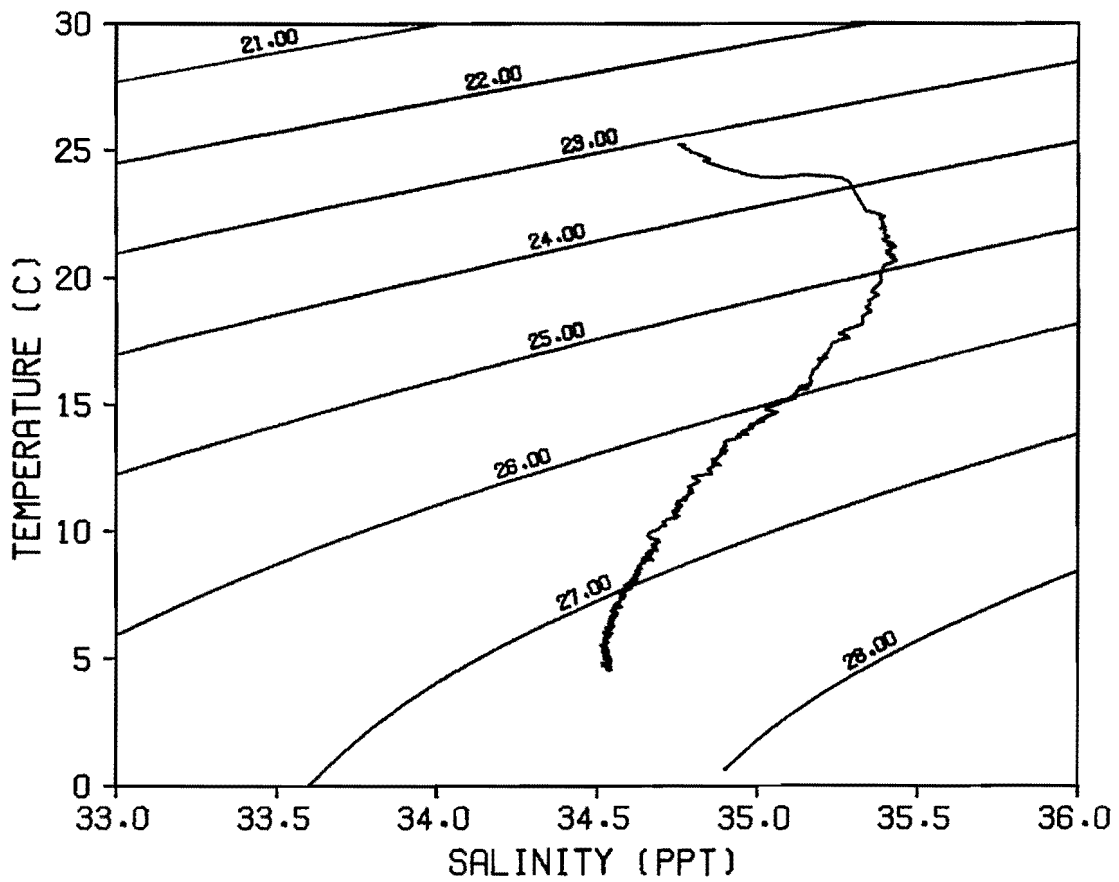
CAST EP3-79-0C-43 DATE 05 MAY 79 TIME 0925 GMT
LAT 0 38.4S LONG 109 58.8W



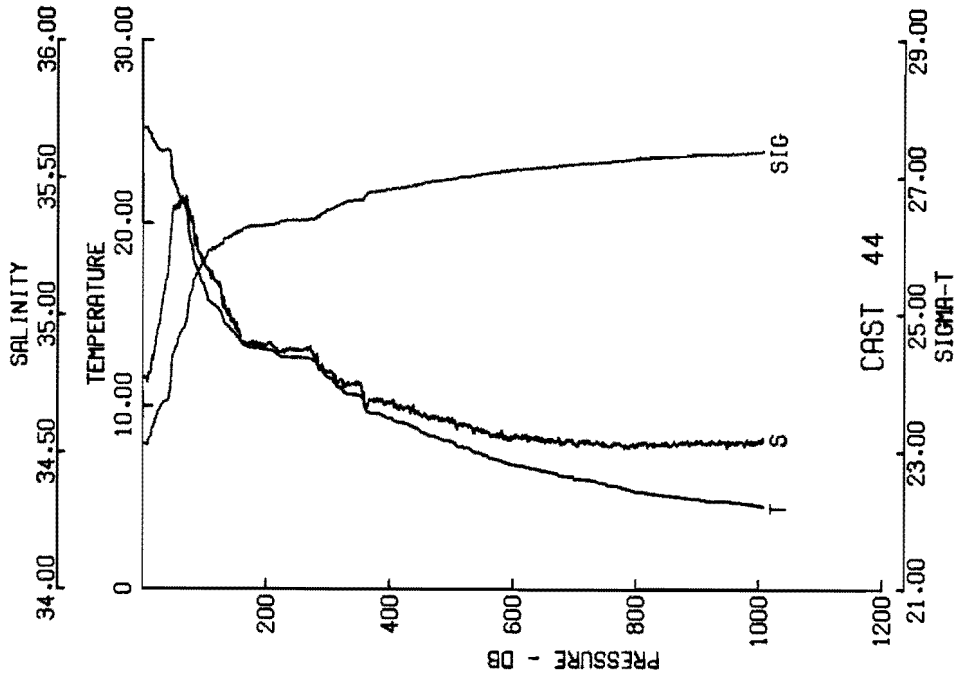
CAST EP3-79-DC-043 DATE 05 MAY 79 TIME 0925 GMT
 LAT 00 38.45 LONG 109 28.44 WEATHER 1 SEA STATE 3
 BAROMETER 31 WIND DIR 130 T SPD 10 KT VISIBILITY 8
 CLOUD # AMOUNT 1 DRY 25.0 WET 24.5 DEPTH M



CAST EP3-79-0C-44 DATE 05 MAY 79 TIME 1032 GMT
LAT 0 38.3S LONG 109 58.1W

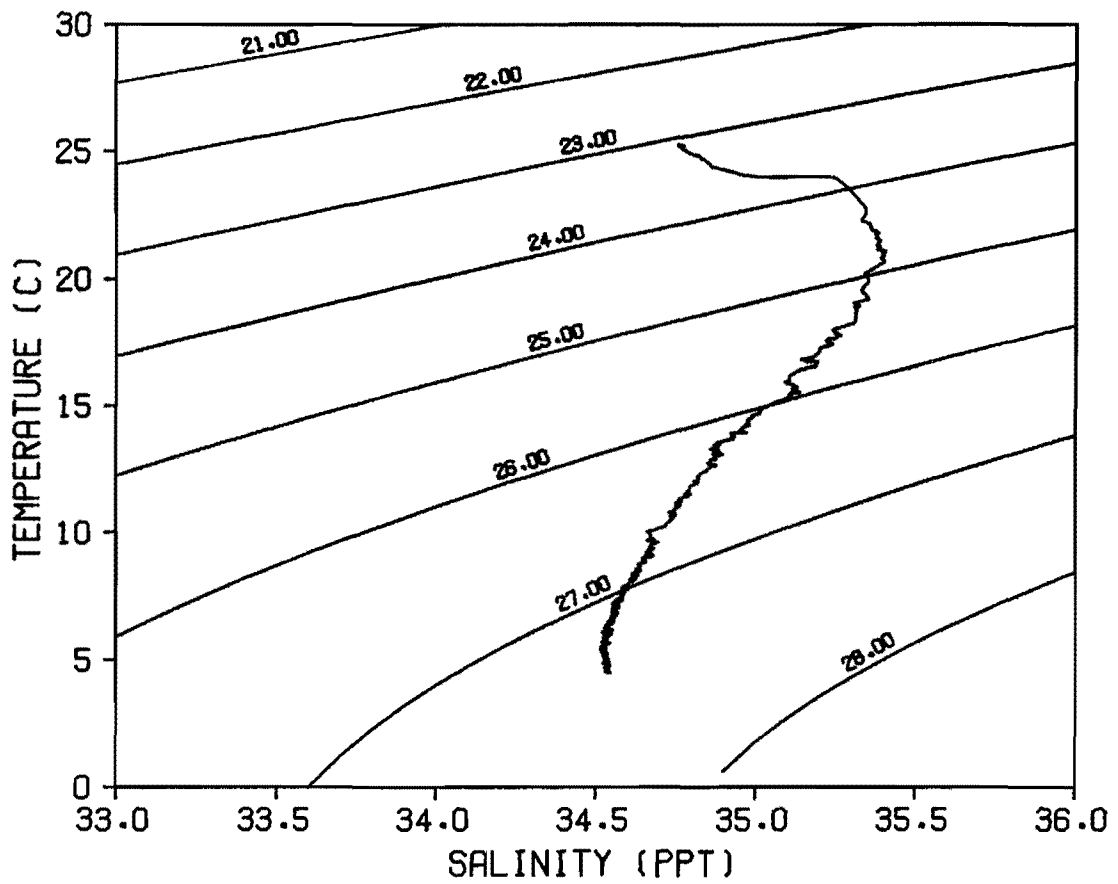


CAST EP3-79-DC-044 DATE OF MAY 79 TIME 1032 GMT
 LAT 00 35.35 LONG 109 56.14 WEATHER 1 SEA STATE 3
 BAROMETER 34 WIND DIR 120 T SPD 10 KT VISIBILITY 8
 CLOUD 6 AMOUNT 1 DRY 25.0 WFT 24.5 DEPTH M

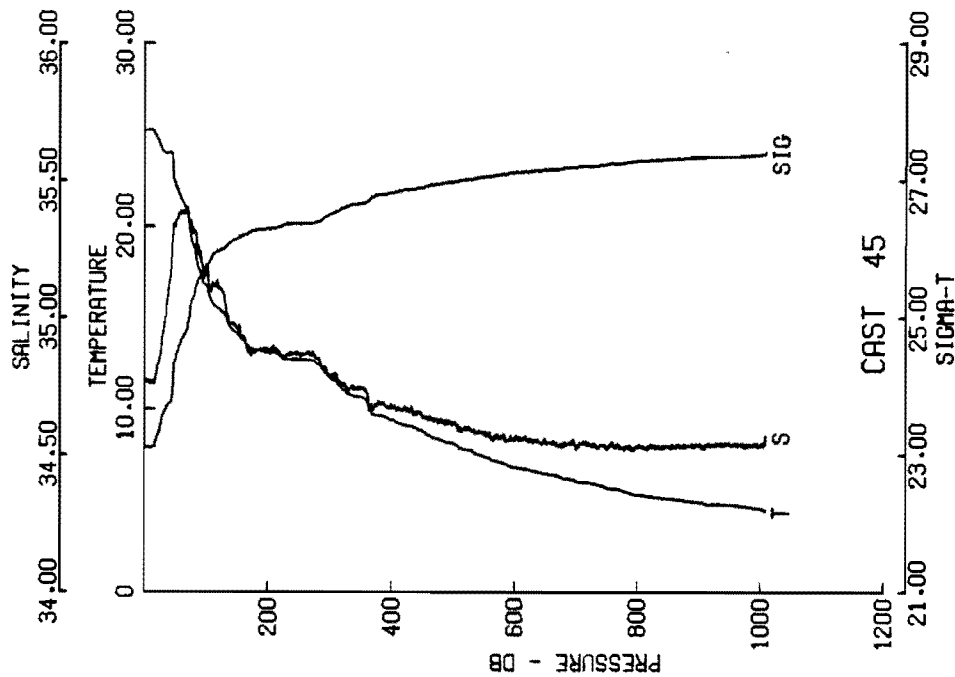


DEPTH (M)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	25.233	34.768	28.114	.000
1	25.232	34.765	28.111	.048
10	24.910	34.790	28.119	.093
20	24.701	34.882	28.160	.137
30	24.404	35.009	28.268	.179
40	24.033	35.135	28.371	.218
50	23.629	35.244	28.434	.252
60	23.196	35.345	28.470	.283
70	22.762	35.415	28.488	.312
80	22.303	35.455	28.496	.337
90	21.829	35.471	28.498	.360
100	21.342	35.473	28.495	.381
110	20.842	35.461	28.488	.402
120	20.329	35.435	28.477	.423
130	19.804	35.395	28.461	.441
140	19.269	35.342	28.440	.460
150	18.724	35.276	28.414	.480
160	18.169	35.197	28.383	.510
170	17.604	35.105	28.348	.534
180	17.029	34.999	28.308	.551
190	16.444	34.879	28.263	.568
200	15.849	34.745	28.213	.583
250	14.339	34.574	28.052	.638
300	13.013	34.353	27.872	.708
350	11.874	34.080	27.672	.804
400	10.911	33.750	27.448	.930
450	10.111	33.374	27.200	.990
500	9.467	32.954	26.932	1.047
550	8.962	32.491	26.647	1.101
600	8.574	32.087	26.338	1.153
650	8.287	31.743	26.005	1.203
700	8.087	31.453	25.652	1.251
750	7.951	31.210	25.283	1.297
800	7.877	31.010	24.900	1.341
850	7.852	30.849	24.507	1.384
900	7.873	30.723	24.107	1.426
950	7.933	30.629	23.703	1.467
1000	8.028	30.563	23.298	1.508
1007	8.058	30.553	22.895	1.549

CAST EP3-79-0C-45 DATE 05 MAY 79 TIME 1109 GMT
LAT 0 37.9S LONG 109 58.9W

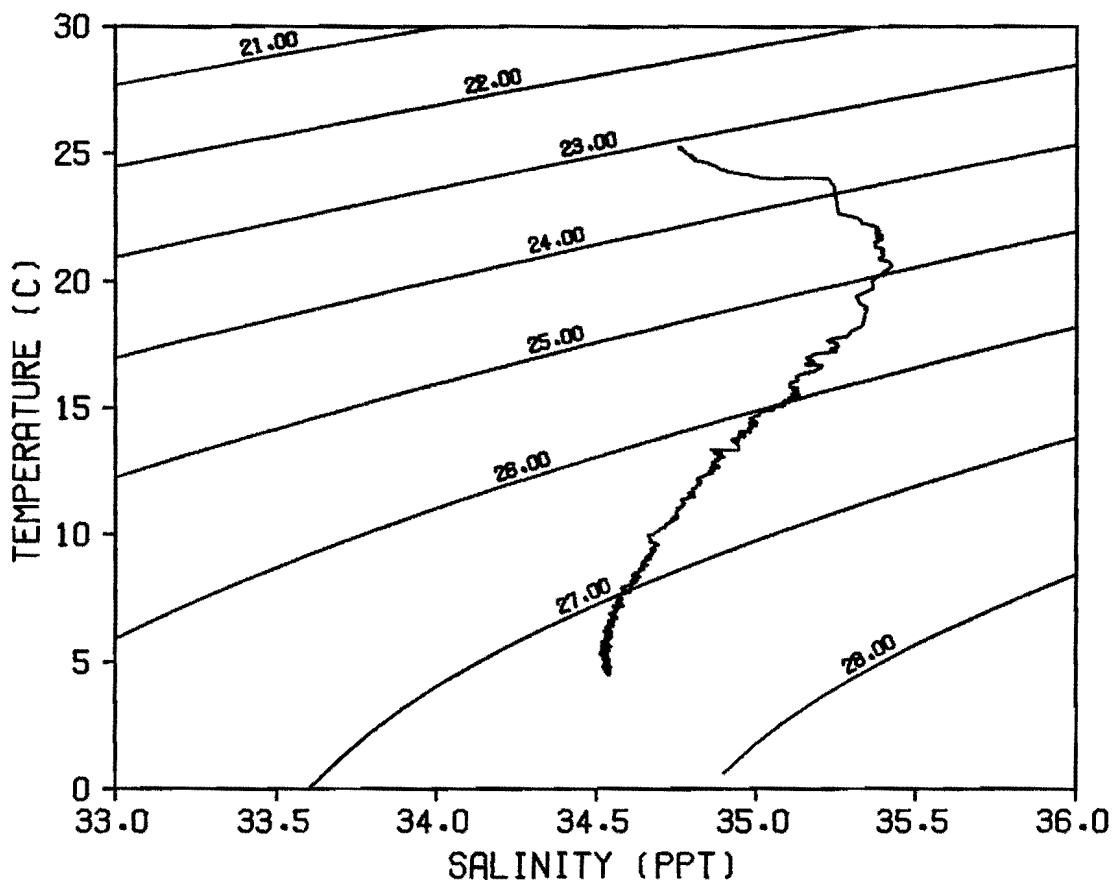


CAST 123-72-UC-042 DATE 05 MAY 79 TIME 1109 GMT
 LAT 00 37.95 LONG 109 52.94 WEATHER 1 SEA STATE 3
 BAROMETER 01 WIND DIR 130 T SPD 11 KT VISIBILITY 8
 CLOUD 6 AMOUNT 3 DRY 24.9 WET 24.1 DEPTH M

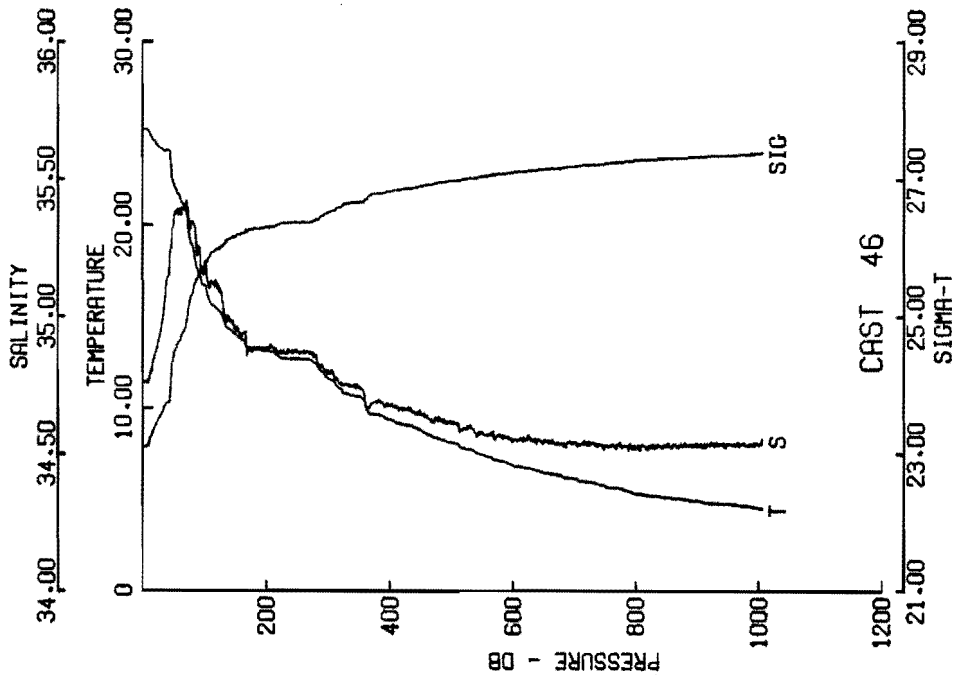


DEPTH (M)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-SI
0	25.277	34.703	23.103	.000
2	25.254	34.763	23.102	.042
10	25.271	34.759	23.105	.095
20	24.884	34.801	23.270	.140
30	24.143	34.894	23.357	.183
40	22.918	35.113	23.444	.222
50	22.389	35.390	23.740	.257
60	21.579	35.393	24.467	.313
70	20.837	35.308	24.454	.343
80	17.851	35.220	25.267	.367
100	16.723	32.194	25.745	.389
110	15.811	32.114	25.895	.410
120	15.497	35.109	25.962	.431
130	15.163	35.165	26.003	.451
140	14.910	34.978	26.101	.470
150	14.774	34.959	26.197	.489
160	13.770	34.930	26.233	.508
170	13.350	34.870	26.266	.526
180	13.219	34.877	26.277	.544
190	13.121	34.840	26.293	.562
200	13.067	34.871	26.373	.569
250	11.624	34.789	26.301	.734
300	10.634	34.742	26.628	.810
400	9.371	34.683	26.829	.944
450	8.785	34.643	26.976	.944
500	7.400	34.613	27.050	1.062
550	6.904	34.550	27.112	1.167
600	6.494	34.555	27.184	1.167
700	5.691	34.524	27.184	1.265
800	5.303	34.532	27.290	1.311
900	4.932	34.528	27.311	1.355
950	4.769	34.529	27.322	1.398
1000	4.553	34.532	27.362	1.440
1009	4.446	34.526	27.417	1.481

CAST EP3-79-0C-46 DATE 05 MAY 79 TIME 1229 GMT
LAT 0 38.0S LONG 109 59.2W

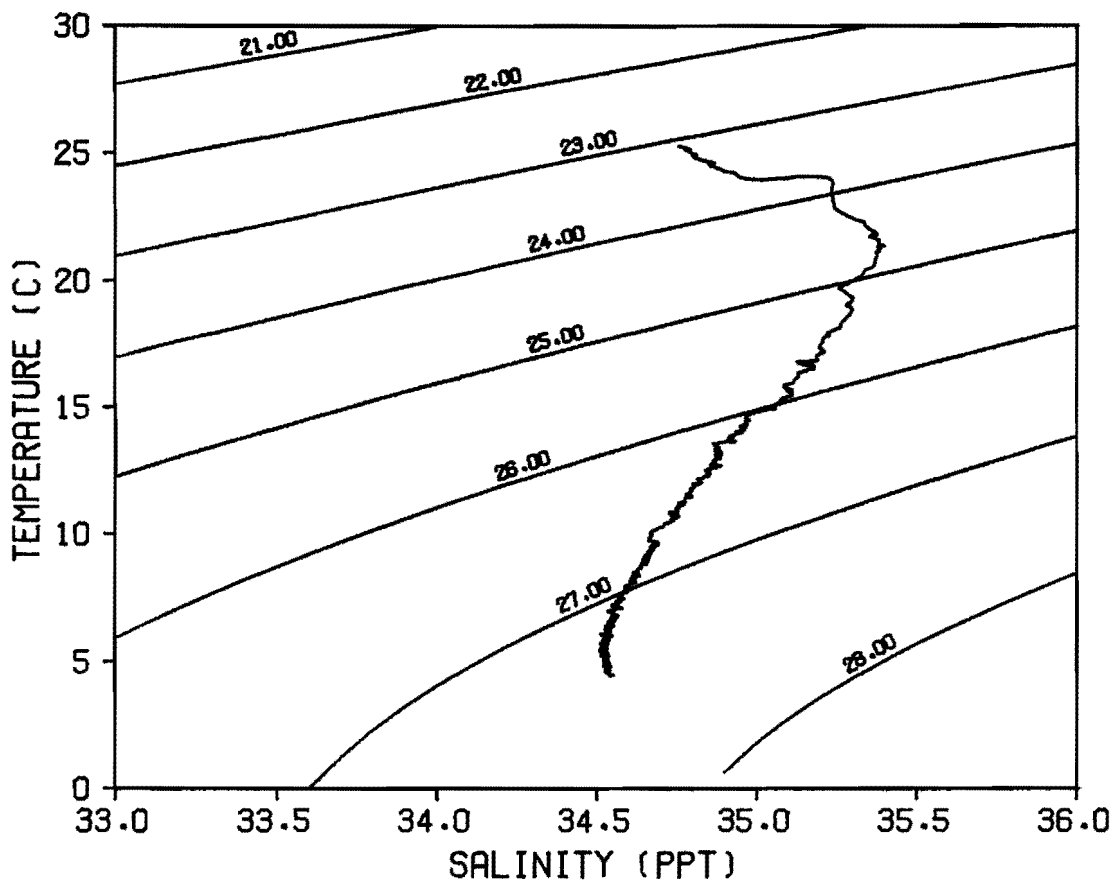


CAST EP3-79-UC-046 DATE 05 MAY 79 TIME 1229 GMT
 LAT 30 38.35 LONG 109 59.2W WEATHER 1 SEA STATE 3
 BAROMETER 04 WIND DIR 130 T SPD 14 KT VISIBILITY R
 CLOUD R AMOUNT 1 WET 25.0 DRY 24.5 DEPTH M

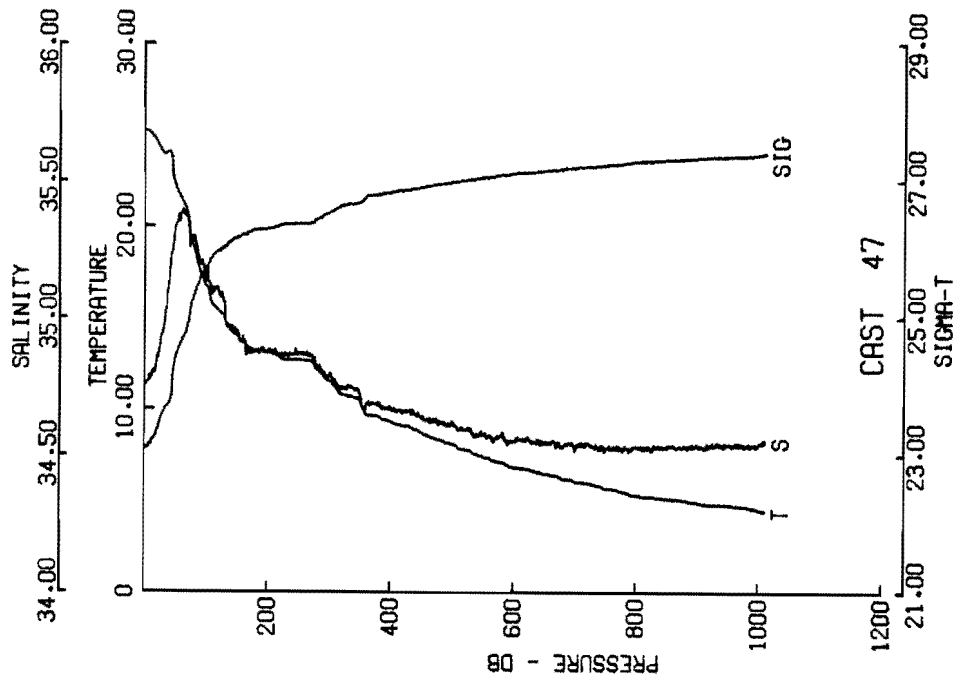


TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
25.252	34.759	23.098	.000
25.255	34.755	23.112	.048
25.140	34.768	23.1162	.094
24.503	34.944	23.558	.138
24.2079	35.138	24.741	.181
22.285	35.325	24.404	.224
21.643	35.384	24.634	.254
20.853	35.337	24.843	.285
18.848	35.253	25.322	.315
17.519	35.176	25.600	.341
16.703	35.130	25.736	.364
15.745	35.127	25.917	.387
14.960	35.054	26.039	.408
14.325	34.994	26.130	.428
14.048	34.935	26.154	.447
13.682	34.871	26.220	.466
13.332	34.878	26.243	.504
13.194	34.882	26.277	.522
13.179	34.882	26.283	.540
13.106	34.878	26.298	.558
12.680	34.786	26.379	.645
11.624	34.742	26.513	.730
9.358	34.678	26.661	.806
8.790	34.658	26.903	.938
7.121	34.582	26.966	.998
7.453	34.549	27.046	1.057
6.465	34.543	27.103	1.111
6.147	34.543	27.194	1.163
5.774	34.527	27.228	1.261
5.322	34.514	27.274	1.307
5.115	34.530	27.310	1.362
4.735	34.533	27.334	1.395
4.786	34.533	27.351	1.437
4.549	34.534	27.379	1.478
4.499	34.553	27.399	

CAST EP3-79-0C-47 DATE 05 MAY 79 TIME 1327 GMT
LAT 0 37.8S LONG 109 59.4W

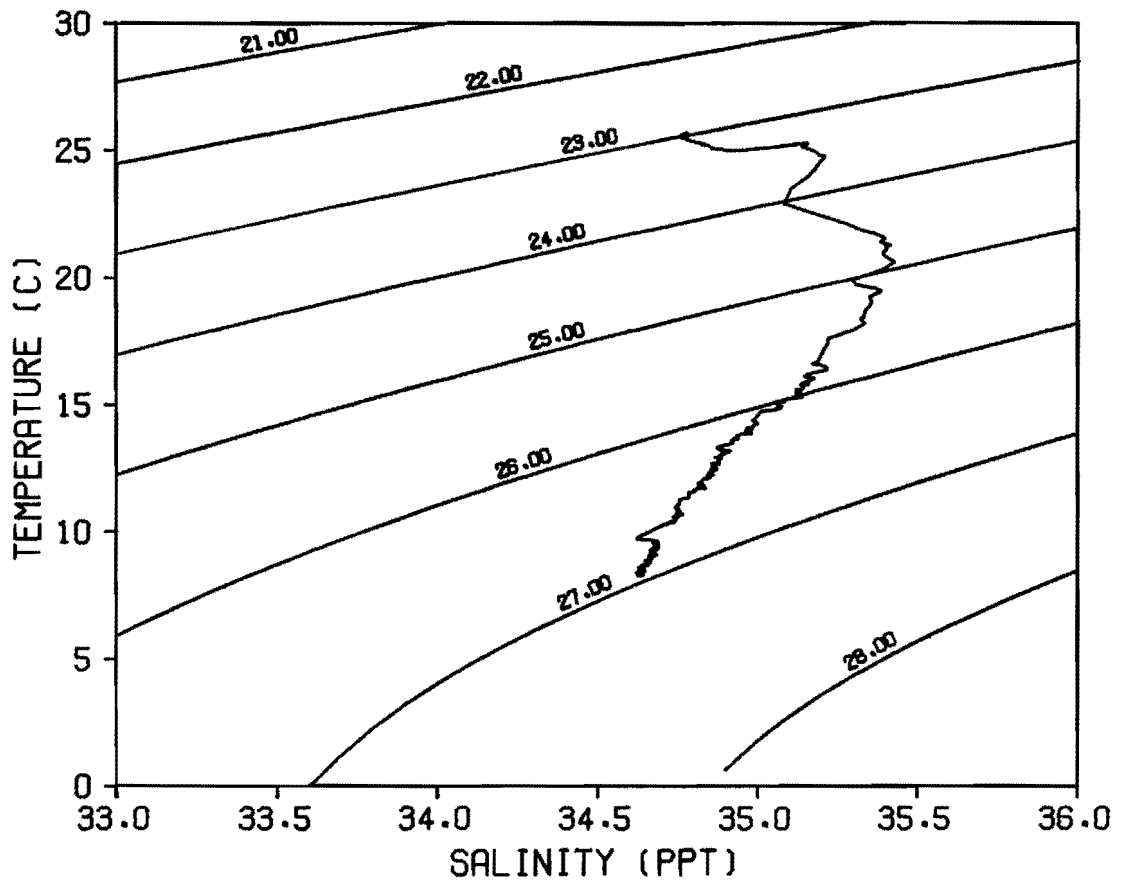


CAST # P3-73-DC-047 DATE OF MAY 79 TIME 1327 GMT
 LAT 00 37.05 LONG 109 59.47 WEATHER 1 SEA STATE 3
 BAROMETER 02 WIND DIR 110 T SPD 13 KT VISIBILITY 8
 CLOUD 0 AMOUNT 1 DRY 25.0 WET 24.5 DEPTH M

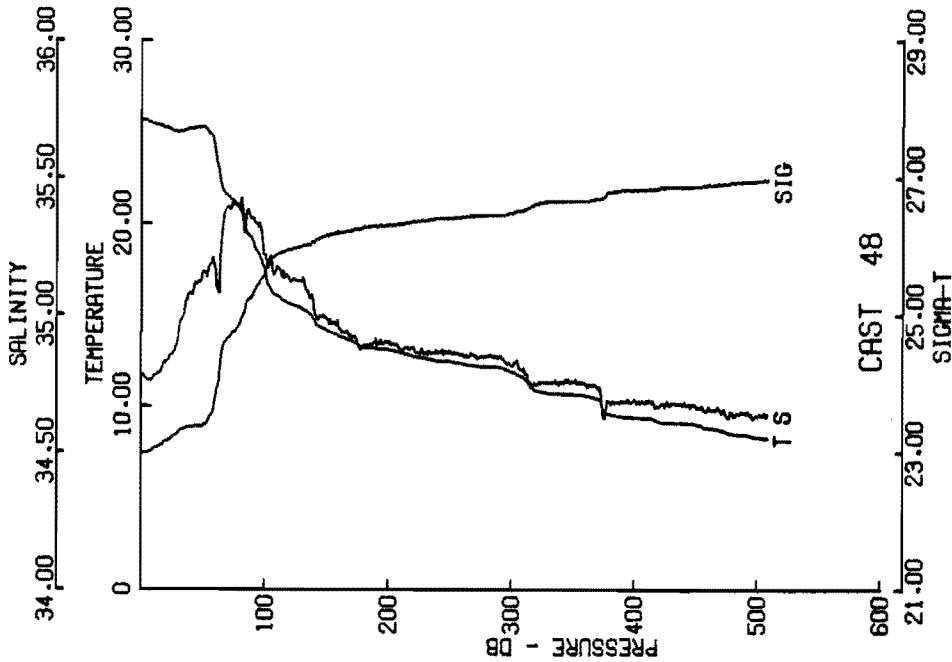


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DLTA-D (DYN M)
0	25.252	34.754	23.097	.000
10	25.244	34.755	23.101	.048
20	25.103	34.774	23.158	.138
30	24.685	34.836	23.331	.181
40	24.047	34.948	23.604	.220
50	23.085	35.126	24.402	.254
60	22.509	35.342	24.848	.286
70	21.557	35.368	25.303	.315
80	18.854	35.297	25.559	.341
90	17.531	35.203	25.712	.365
100	16.698	35.144	25.845	.387
110	15.755	35.047	25.978	.408
120	14.847	34.907	26.045	.429
130	14.249	34.857	26.107	.449
140	14.013	34.934	26.149	.467
150	13.645	34.932	26.227	.505
160	13.328	34.875	26.277	.524
170	13.167	34.891	26.292	.542
180	13.106	34.879	26.370	.559
200	12.168	34.867	26.536	.673
250	11.212	34.791	26.677	.805
300	10.403	34.713	26.827	.937
350	9.310	34.606	26.981	.997
400	8.717	34.632	27.047	1.109
450	8.079	34.574	27.151	1.161
500	7.405	34.541	27.232	1.259
550	6.812	34.517	27.289	1.305
600	6.042	34.529	27.314	1.349
650	5.294	34.534	27.333	1.392
700	5.111	34.529	27.335	1.434
750	4.914	34.536	27.386	1.475
800	4.773	34.539	27.404	
850	4.514	34.550		
900	4.431			
950				
1000				
1010				
1020				
1030				
1040				
1050				
1060				
1070				
1080				
1090				
1100				
1110				
1120				
1130				
1140				
1150				
1160				
1170				
1180				
1190				
1200				

CAST EP3-79-0C-48 DATE 05 MAY 79 TIME 2129 GMT
LAT 0 54.4S LONG 109 58.7W

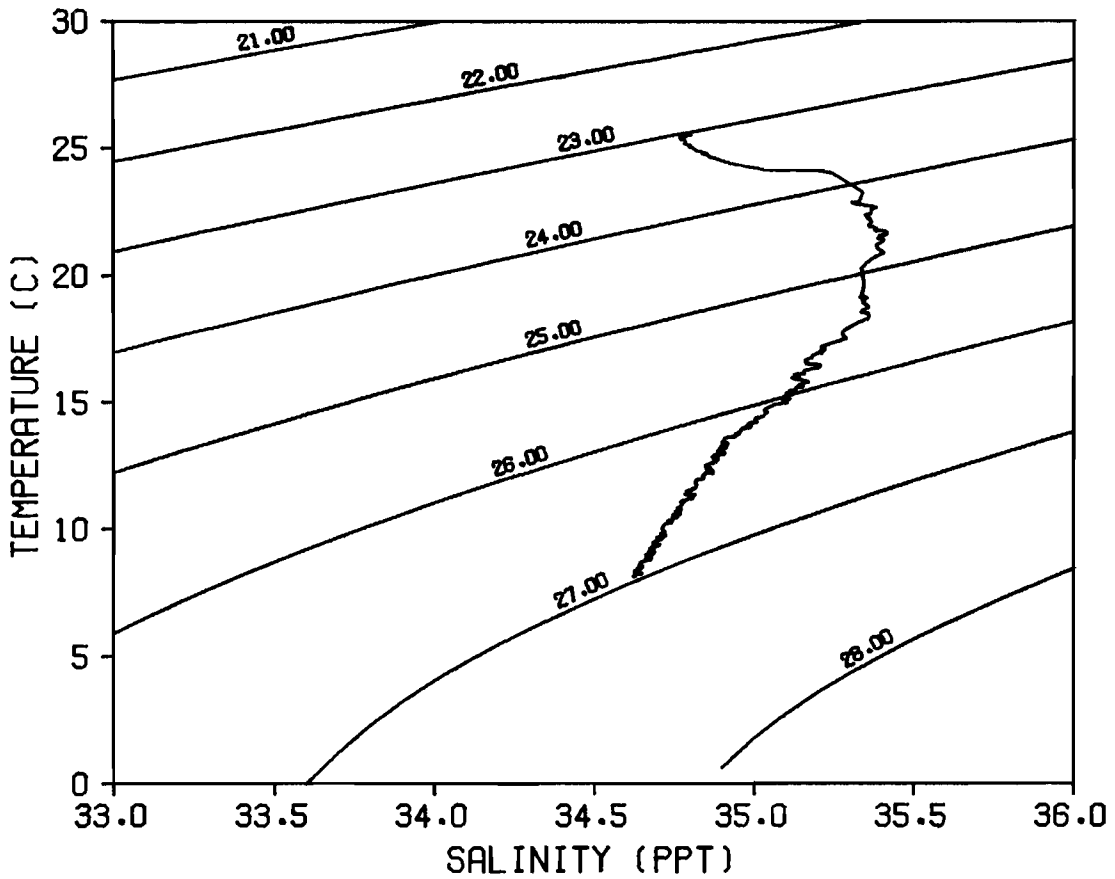


CAST 2P3-75-0C-04n DATE 05 MAY 79 TIME 2129 GMT
 LAT 00 54.45 LONG 109 58.7W WEATHER 1 SEA STATE 3
 BAROMETER 07 WIND DIR 110 T SPD 16 KT VISIBILITY 4 M
 CLOUD R AMOUNT 2 DRY 25.5 WET 24.0 DEPTH

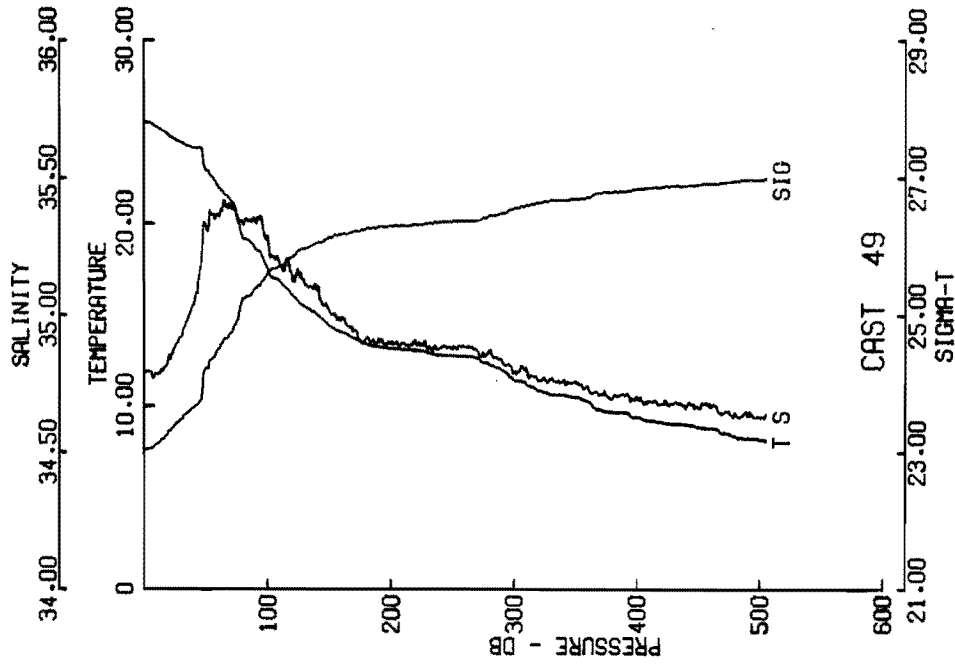


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-S
0	25.725	34.744	22.974	.000
1	25.499	34.777	22.979	.049
10	25.446	34.777	23.056	.097
20	25.233	34.826	23.157	.143
30	24.989	34.914	23.259	.189
40	25.193	35.079	23.361	.234
50	25.277	35.160	23.396	.278
60	24.000	35.153	23.782	.315
70	21.770	35.398	24.684	.347
80	19.122	35.608	24.876	.376
90	17.437	35.323	25.274	.401
100	16.042	35.220	25.594	.424
110	15.592	35.179	25.892	.445
120	15.329	35.120	26.008	.466
130	14.729	35.010	26.056	.486
140	14.163	34.986	26.159	.505
150	13.940	34.944	26.198	.524
160	13.513	34.920	26.230	.543
170	13.225	34.895	26.284	.561
180	13.163	34.916	26.312	.579
190	13.129	34.898	26.315	.597
200	13.429	34.868	26.416	.683
250	11.808	34.913	26.487	.765
300	11.0673	34.755	26.562	.842
350	9.920	34.691	26.830	.911
400	8.319	34.671	26.876	.976
450	6.253	34.632	26.957	1.037
500		34.636	26.970	

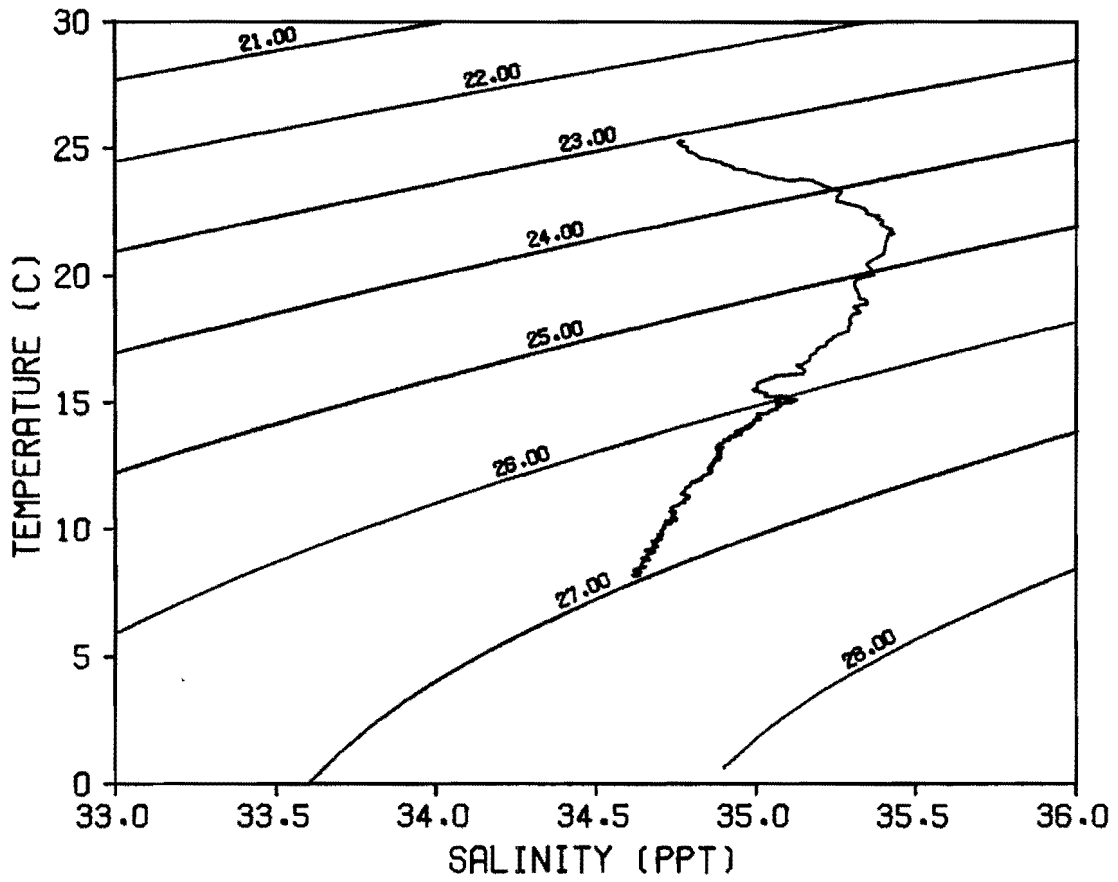
CAST EP3-79-00-49 DATE 06 MAY 79 TIME 0035 GMT
LAT 0 30.0S LONG 110 00.0W



CAST EP3-77-06-049 DATE 06 MAY 79 TIME 0035 GMT
 LAT 00 30.0S LONG 110 00.0W WEATHER 1 SEA STATE 3
 BAROMETER OR #IND DIR 000 T SPD 13 KT VISIBILITY 8
 CLOUD 8 AMOUNT 1 DRY 27.0 WET 24.5



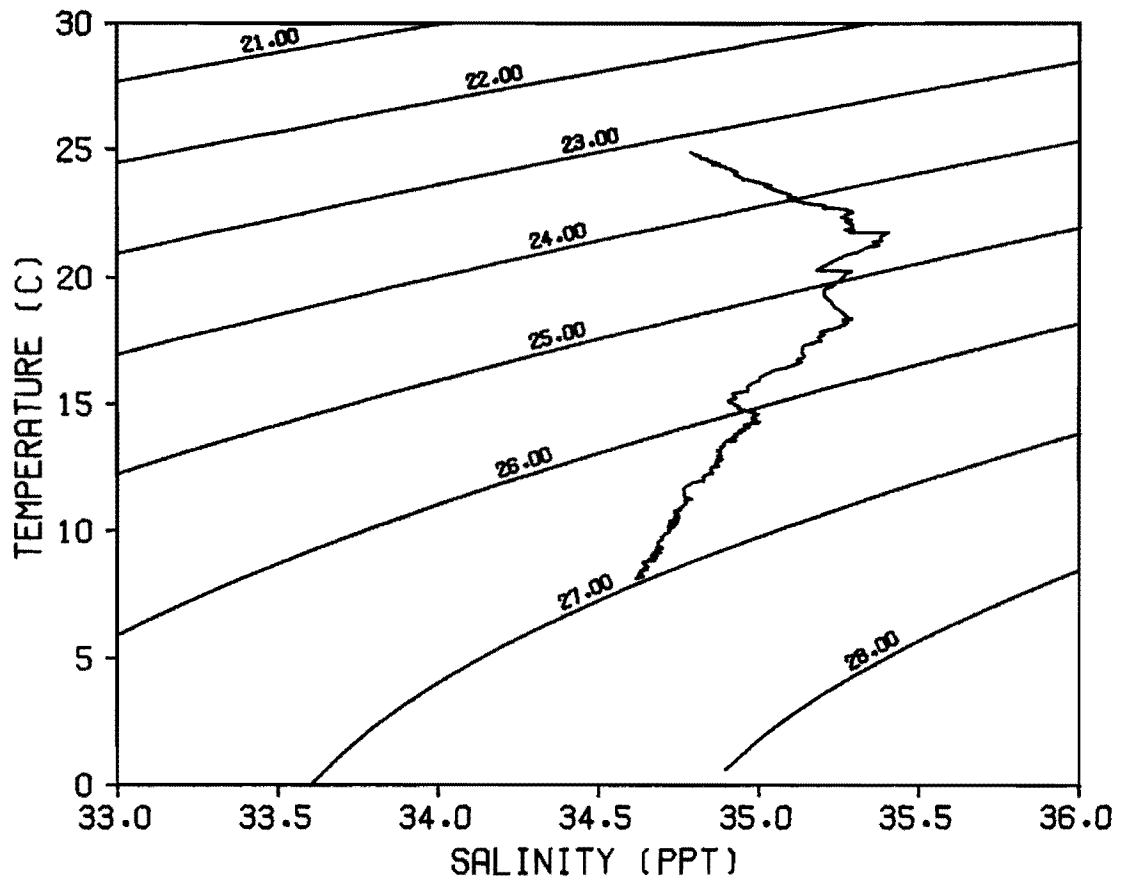
CAST EP3-79-0C-50 DATE 06 MAY 79 TIME 0219 GMT
LAT 0 15.0S LONG 110 00.0W



CAST EP3-73-DC-050 DATE 06 MAY 79 TIME 0219 GMT
 LAT 00 15.25 LONG 110 06.00 WEATHER ? SEA STATE 3
 BAROMETER 02 WIND DIR 090 T SPD 14 KNOT VISIBILITY 4
 CLOUD 3 AMOUNT 6 DRY 24.8 WET 23.8 DEPTH M



CAST EP3-79-0C-51 DATE 06 MAY 79 TIME 0410 GMT
LAT 00 00.0N LONG 110 00.0W

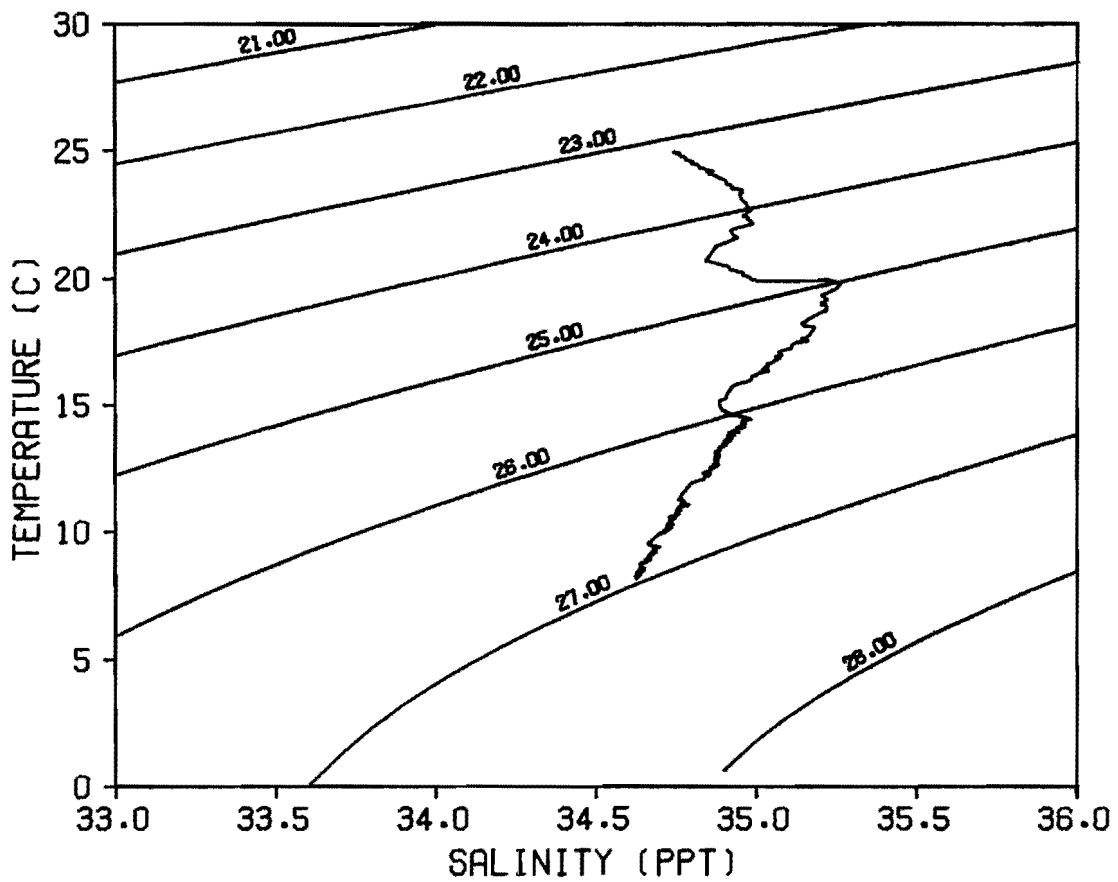


CAST LP3-79-DC-091 DATE 06 MAY 79 TIME 0410 GMT
 LAT 00 00.0N LONG 110 00.0W WEATHER 1 SEA STATE 3
 BAROMETER ID WIND DIR SPO 13 KT VISIBILITY 8
 CLOUD % AMOUNT 2 DRY 24.7 WET 23.5

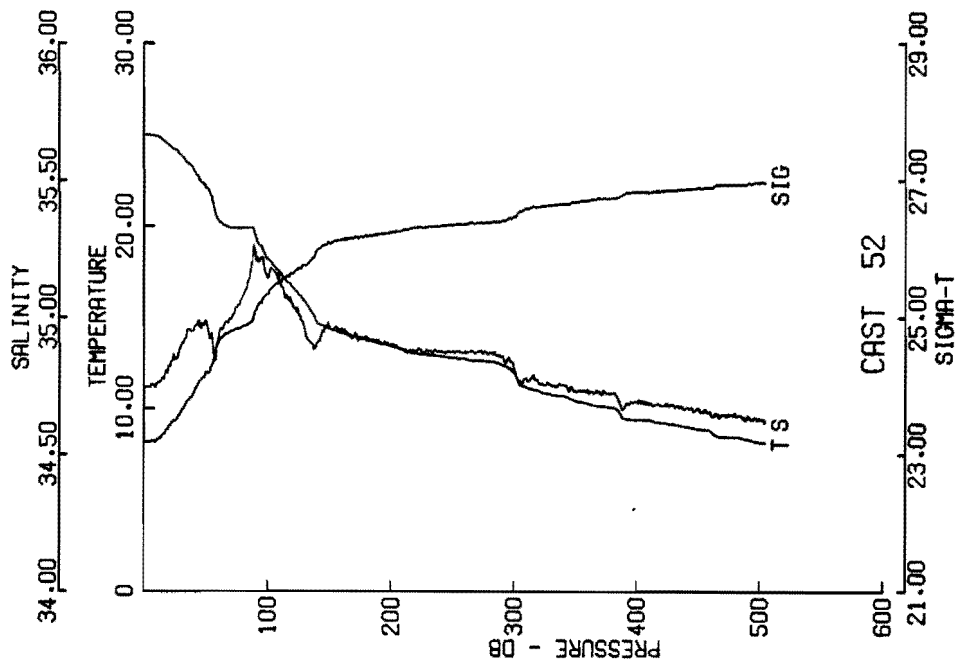


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	24.937	34.782	23.215	.000
2	24.904	34.782	23.229	.046
10	24.794	34.801	23.270	.092
20	24.137	34.934	23.569	.133
30	23.247	35.100	24.167	.172
40	22.801	35.210	24.335	.209
50	22.370	35.285	24.478	.244
60	21.905	35.321	24.562	.279
70	21.734	35.328	24.779	.312
80	20.682	35.220	25.185	.342
90	19.098	35.259	25.462	.369
100	17.214	35.136	25.584	.394
110	16.485	35.022	25.723	.417
120	15.255	34.929	25.878	.440
130	14.732	34.966	26.020	.461
140	14.454	34.986	26.127	.481
150	14.197	34.954	26.178	.500
160	13.960	34.955	26.193	.519
170	13.809	34.931	26.216	.537
180	13.922	34.892	26.252	.557
190	13.569	34.874	26.349	.576
200	12.820	34.873	26.376	.594
250	11.254	34.735	26.720	.622
300	9.837	34.675	26.840	.650
350	8.831	34.636	26.909	.674
400	8.161	34.626	26.984	.694
450	8.127	34.626	26.981	.714
500				1.014

CAST EP3-79-0C-52 DATE 06 MAY 79 TIME 0601 GMT
LAT 00 15.0N LONG 110 00.0W

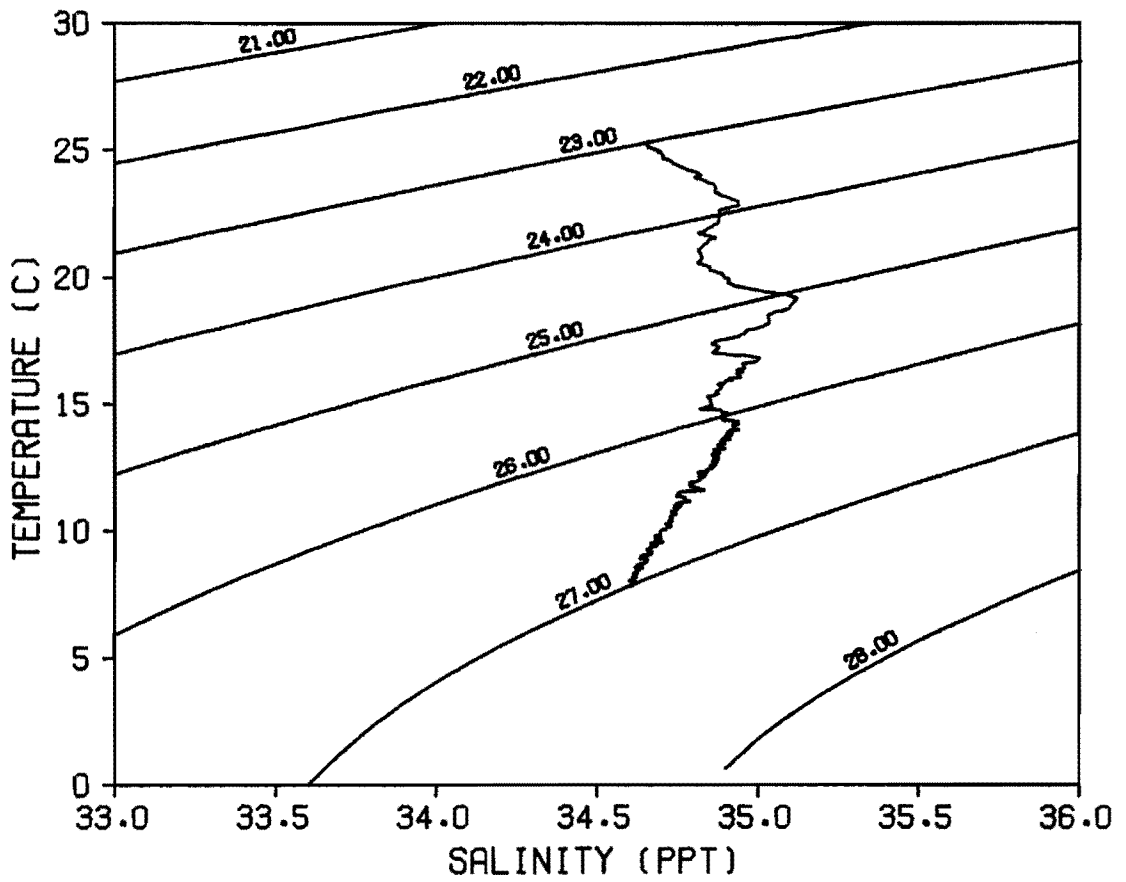


CAST 1P3-79-0C-052 DATE 06 MAY 79 TIME 0601 GMT
 LAT 00 15.01 LONG 110 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 11.4 WIND DIR 090 T SPD 13 KT VISIBILITY 8
 CLOUD # AMOUNT 2 DRY 24.3 WFT 23.6 DEPTH M



DEPTH (M)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T (DYN M)	DELTA-D (DYN M)
0	24.951	34.752	23.180	.020
10	24.905	34.754	23.203	.047
20	24.413	34.823	23.403	.093
30	23.899	34.895	23.610	.137
40	23.118	34.953	23.882	.179
50	22.124	34.991	24.194	.218
60	20.850	34.916	24.620	.254
70	19.929	34.925	24.764	.286
80	19.822	32.079	24.868	.318
90	19.542	32.245	25.086	.348
100	18.231	32.141	25.339	.374
110	17.497	32.122	25.513	.402
120	16.676	32.104	25.645	.426
130	15.725	34.654	25.757	.450
140	14.725	34.609	25.979	.472
150	14.436	34.969	26.085	.492
160	14.154	34.962	26.147	.511
170	13.941	34.931	26.195	.531
180	13.787	34.919	26.220	.550
190	13.651	34.917	26.239	.568
200	13.451	34.874	26.254	.587
220	11.845	34.810	26.354	.575
230	11.970	34.732	26.405	.762
240	10.424	34.693	26.688	.837
250	8.853	34.607	26.833	.906
260	8.183	34.627	26.896	.971
270	8.182	34.617	26.975	1.032
280			26.969	

CAST EP3-79-0C-53 DATE 06 MAY 79 TIME 0747 GMT
LAT 00 30.0N LONG 110 02.2W

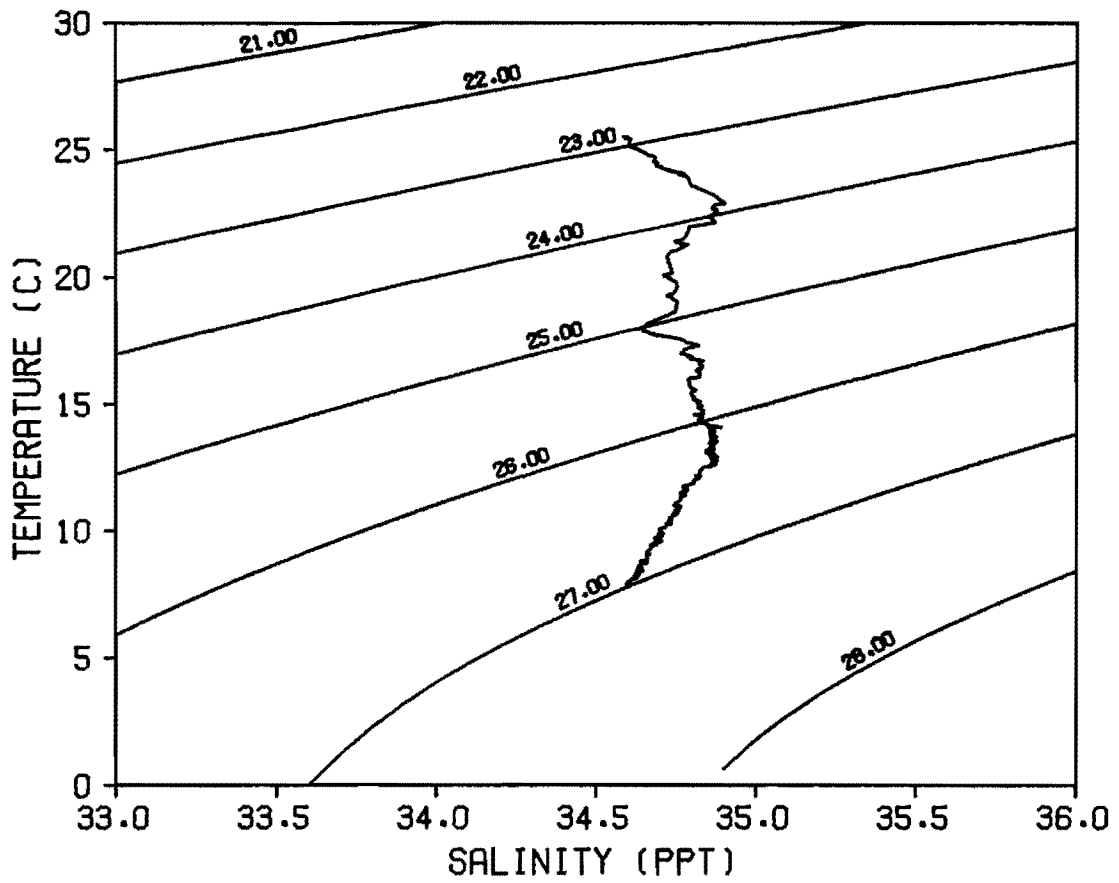


CAST 1P3-73-0C-053 DATE 06 MAY 79 TIME 0747 GMT
 LAT 00 30.0N LONG 110 02.2W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 090 T SPD 12 KT VISIBILITY 8
 CLOUD A AMOUNT 2 DRY 24.4 WET 23.5 DEPTH M



DEPTH (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-T (DYN-M)
0	22.273	34.649	23.011	.000
1	22.273	34.649	23.013	.049
10	24.929	34.691	23.018	.143
20	24.929	34.691	23.019	.185
30	24.119	34.813	23.483	.223
40	23.024	34.938	23.898	.257
50	21.970	34.817	24.353	.288
60	19.711	34.919	24.793	.317
70	19.368	35.033	24.980	.344
80	18.498	34.860	25.190	.369
90	17.021	34.948	25.419	.392
100	16.256	34.879	25.778	.414
110	15.530	34.879	25.899	.454
120	14.811	34.891	26.044	.473
130	14.359	34.929	26.128	.492
140	14.162	34.910	26.151	.511
150	13.322	34.910	26.177	.529
160	13.765	34.697	26.220	.549
170	13.565	34.884	26.245	.566
180	13.300	34.884	26.270	.653
190	13.244	34.875	26.306	.736
200	13.039	34.863	26.370	.810
250	12.674	34.747	26.583	.879
300	11.077	34.732	26.694	.945
350	9.304	34.699	26.787	1.006
400	9.700	34.655	26.893	
450	9.844	34.601	26.979	
500	9.010	34.616	27.000	
507	7.947			

CAST EP3-79-0C-54 DATE 06 MAY 79 TIME 0949 GMT
LAT 00 45.0N LONG 110 00.0W

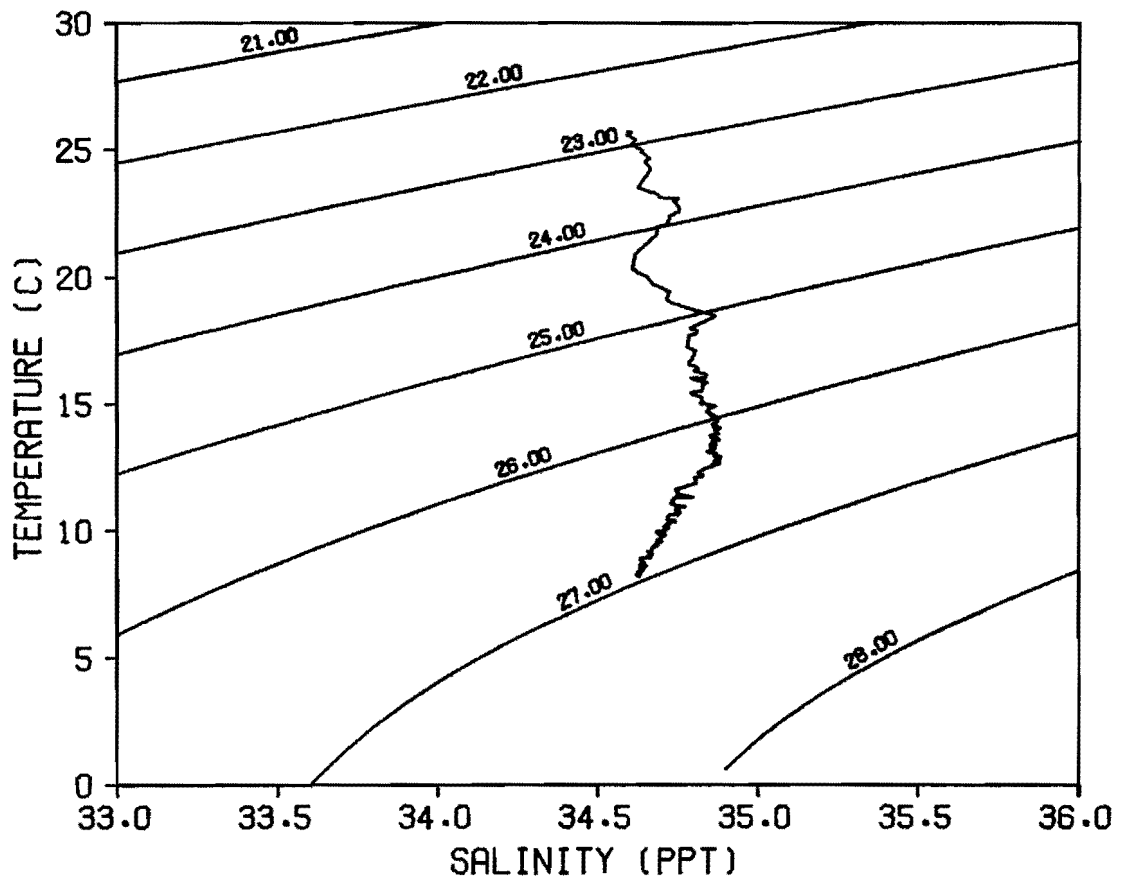


CAST FP3-71-0C-024 DATE 06 MAY 79 TIME 0949 GMT
 LAT 00 45.04 LONG 110 00.04 WEATHER 1 SEA STATE 3
 WIND DIR 100 T SPD 15 KT VISIBILITY 8
 WIND DIR 24.2 WET 22.9 DEPTH
 CLOUD 6 AMOUNT 2 DRY 24.2 WET 22.9 DEPTH

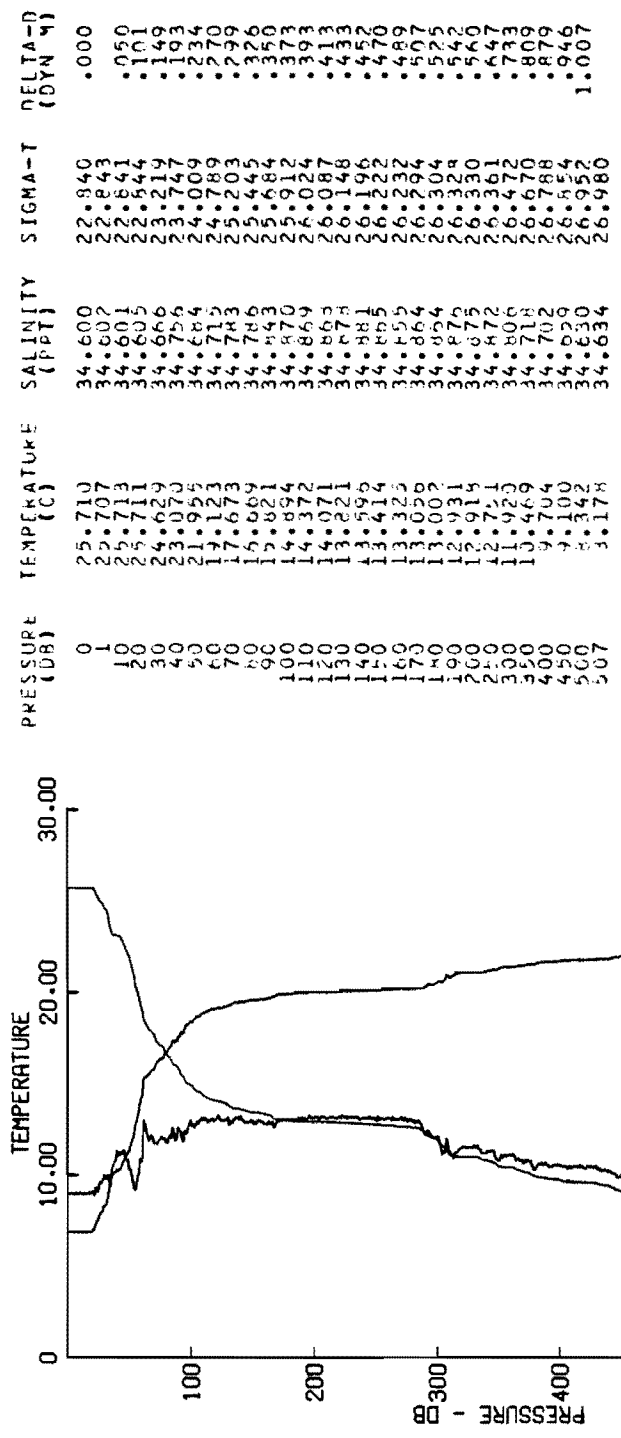


PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	25.510	34.601	22.903	.000
2	25.502	34.601	22.906	.050
10	25.479	34.622	22.902	.099
20	24.524	34.683	23.051	.146
30	23.495	34.823	23.264	.191
40	22.169	34.676	24.097	.231
50	21.213	34.772	24.283	.269
60	17.631	34.757	24.694	.304
70	17.631	34.736	25.177	.335
80	16.854	34.787	25.403	.361
90	16.151	34.824	25.595	.387
100	15.359	34.798	25.754	.410
110	14.572	34.819	25.877	.432
120	14.071	34.851	26.074	.472
130	13.833	34.854	26.135	.491
140	13.691	34.857	26.159	.510
150	13.500	34.873	26.213	.528
160	13.360	34.897	26.235	.546
170	13.201	34.871	26.270	.564
180	13.047	34.852	26.286	.584
190	12.969	34.867	26.314	.602
200	12.759	34.876	26.366	.670
250	11.568	34.773	26.512	.755
300	10.394	34.695	26.691	.830
350	9.679	34.640	26.787	.906
400	8.577	34.640	26.923	.985
450	7.009	34.606	26.984	1.065
500	7.825	34.601	27.007	1.025

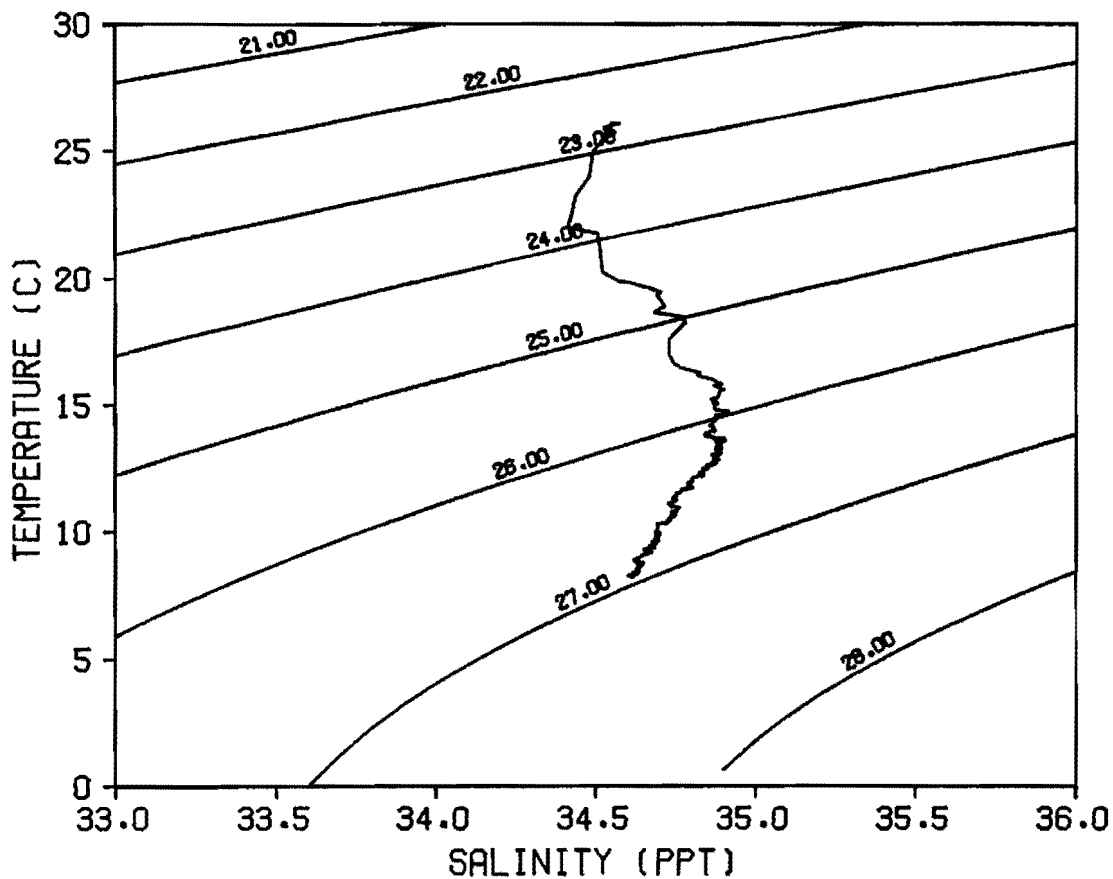
CAST EP3-79-0C-55 DATE 06 MAY 79 TIME 1118 GMT
LAT 00 59.1N LONG 110 00.3W



CAST EP3-79-0C-152 DATE 06 MAY 79 TIME 1118 GMT
 LAT 00 59.14 LONG 110 00.34 WEATHER 1 SEA STATE 3
 BAROMETER 103 WIND DIR 090 T SPD 16 KT VISIBILITY R
 CLOUD R AMOUNT 2 DRY 24.2 WET 22.5 DEPTH M



CAST EP3-79-0C-56 DATE 06 MAY 79 TIME 1314 GMT
LAT 01 15.0N LONG 110 00.0W

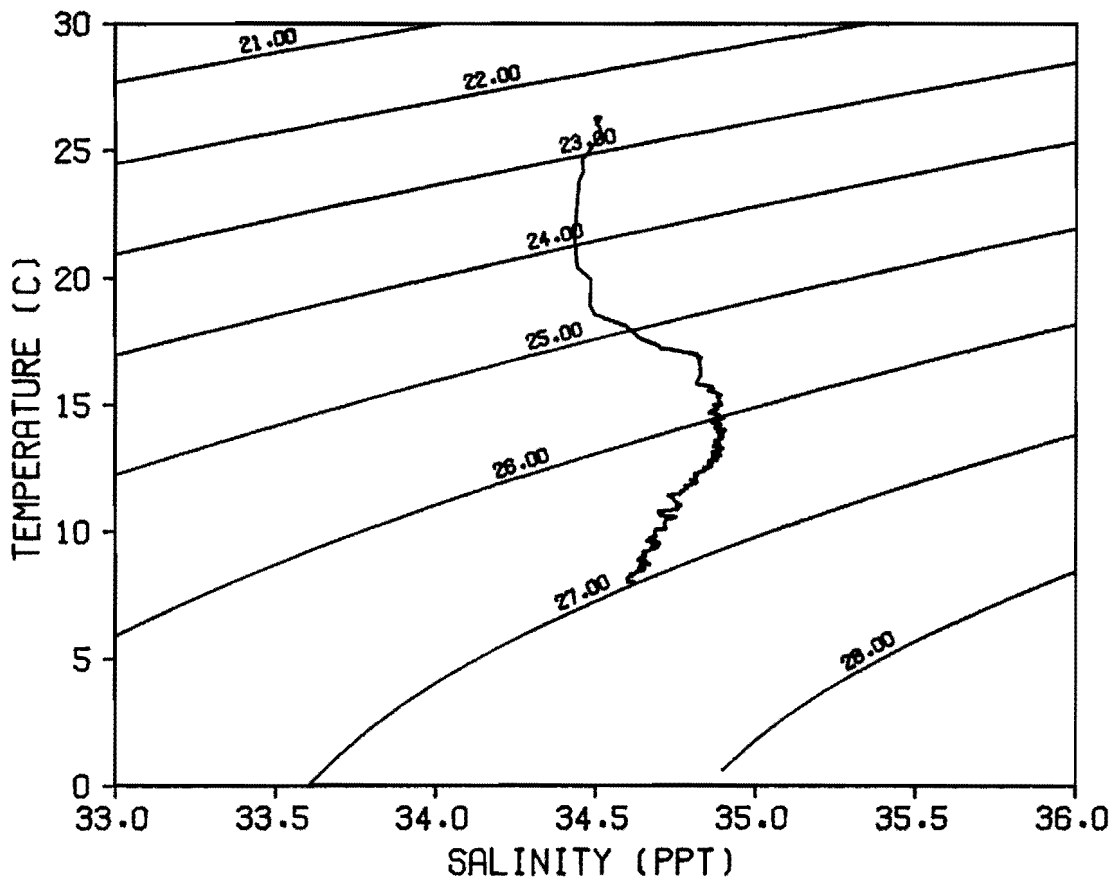


CAST 4P3-79-0C-026 DATE 06 MAY 79 TIME 1314 GMT
 LAT 01 15.01 LONG 110 06.04 WEATHER 1 SEA STATE 3
 BAROMETER 03 WIND DIR 100 T SPD 15 KT VISIBILITY 8
 CLOUD 6 AMOUNT 2 DRY 24.2 WET 22.8

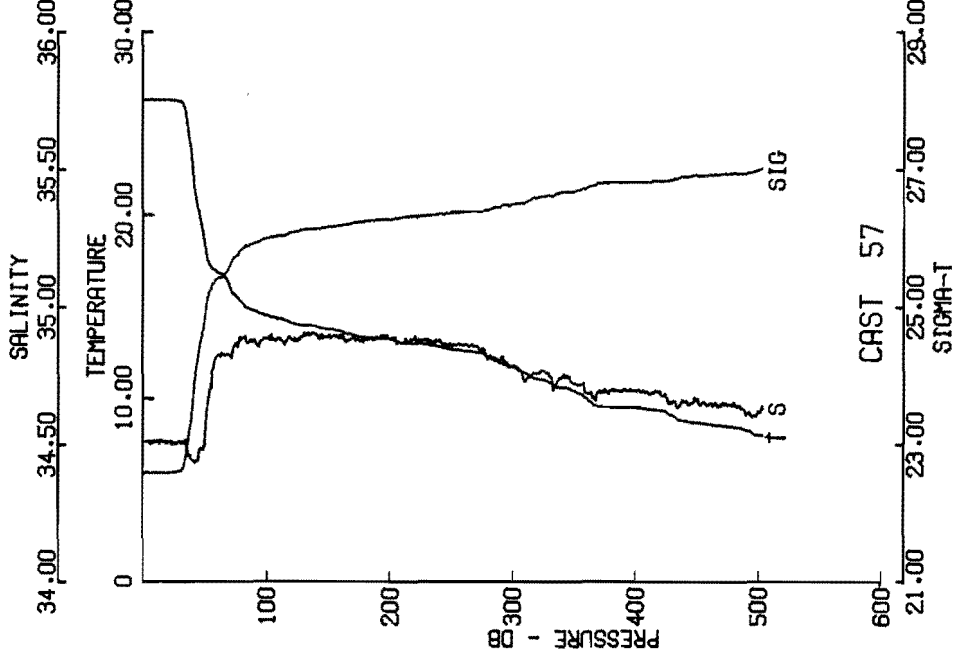


DEPTH (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T (DYN 4)	DELTA-D
0	26.066	34.574	22.710	.000
1	26.064	34.575	22.712	.052
10	26.076	34.564	22.700	.103
20	26.089	34.547	22.684	.154
30	26.519	34.541	22.685	.108
40	20.224	34.522	24.356	.260
50	14.936	34.683	24.989	.285
60	17.534	34.729	25.195	.308
70	15.963	34.872	25.675	.330
80	15.474	34.889	25.798	.351
90	14.743	34.877	25.916	.371
100	14.394	34.867	26.027	.391
110	14.080	34.859	26.084	.411
120	13.734	34.849	26.150	.429
130	13.654	34.843	26.191	.448
140	13.666	34.807	26.192	.467
150	13.673	34.805	26.233	.485
160	13.293	34.893	26.268	.504
170	13.211	34.891	26.283	.522
180	13.180	34.849	26.283	.529
190	12.708	34.872	26.354	.544
200	12.259	34.833	26.428	.564
250	10.754	34.746	26.639	.704
300	9.997	34.665	26.781	.865
400	8.776	34.638	26.890	.932
500	8.264	34.623	26.958	.993
508	8.163	34.619	26.966	

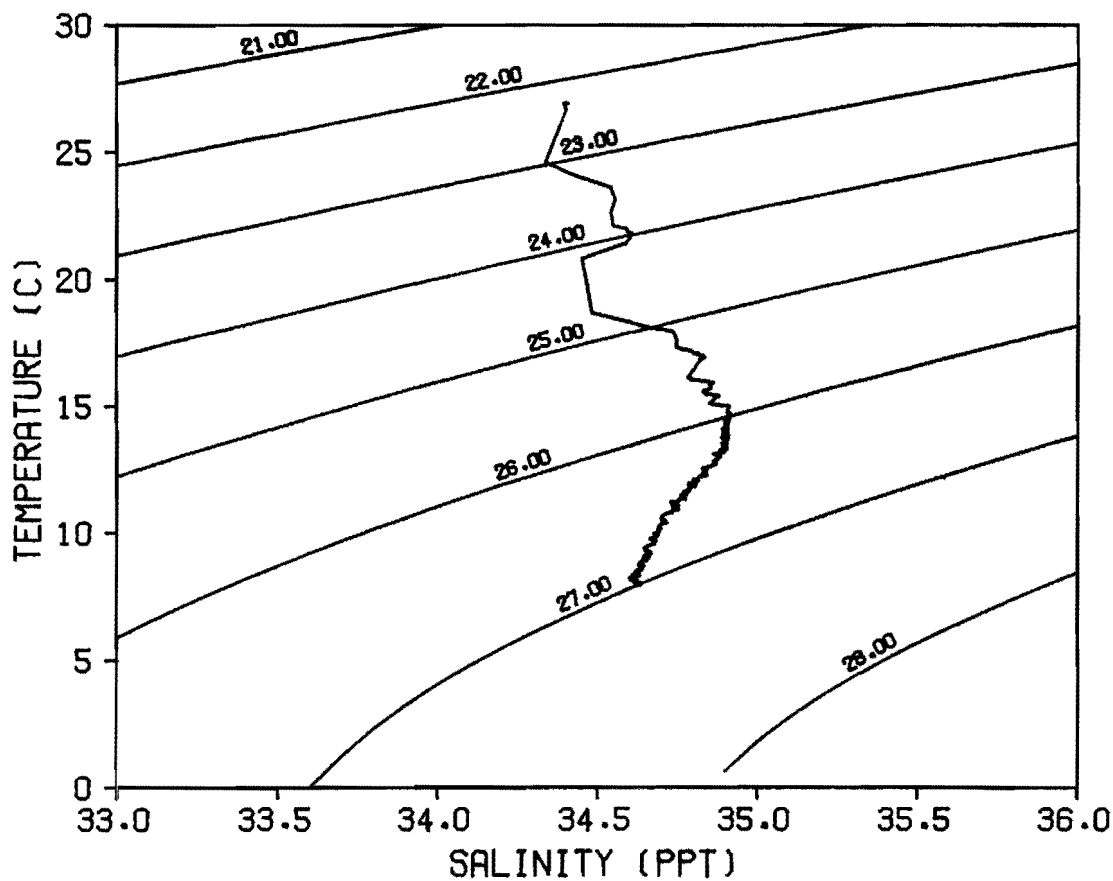
CAST EP3-79-0C-57 DATE 06 MAY 79 TIME 1455 GMT
LAT 01 30.5N LONG 110 00.0W



CAST EP3-79-0C-057 DATE 00 MAY 79 TIME 1425 GMT
 LAT 20.5N LONG 110.00W WEATHER 1 SEA STATE 3
 BAROMETER 10.1 WIND DIR 110 T SPD 18 KT VISIBILITY 8
 CLOUD 8 AMOUNT 5 DRY 26.0 WET 23.2 DEPTH M

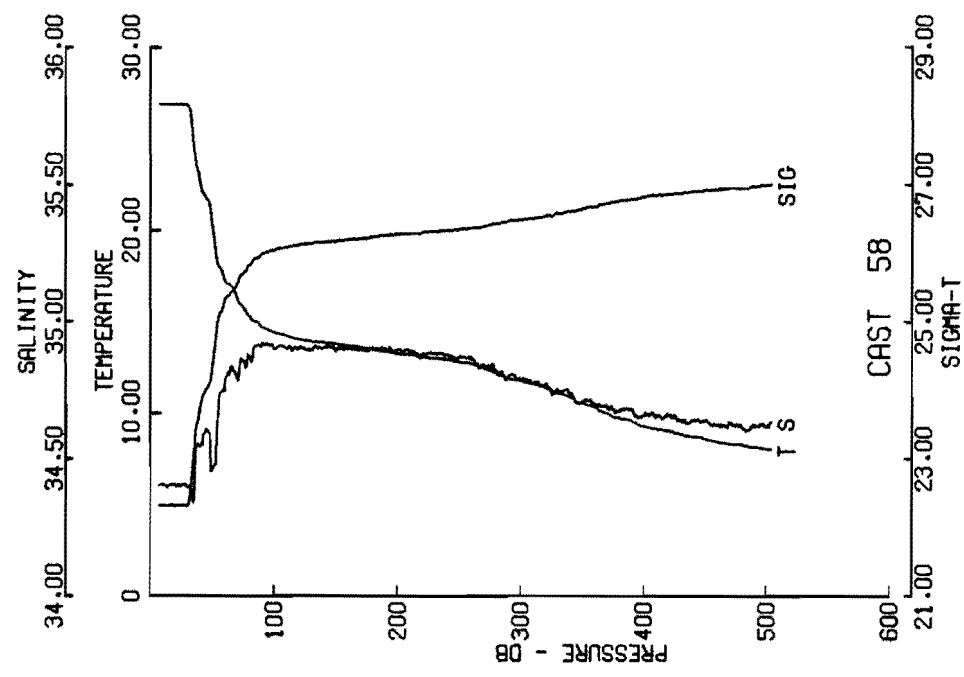


CAST EP3-79-0C-58 DATE 06 MAY 79 TIME 1641 GMT
LAT 01 45.0N LONG 110 00.0W

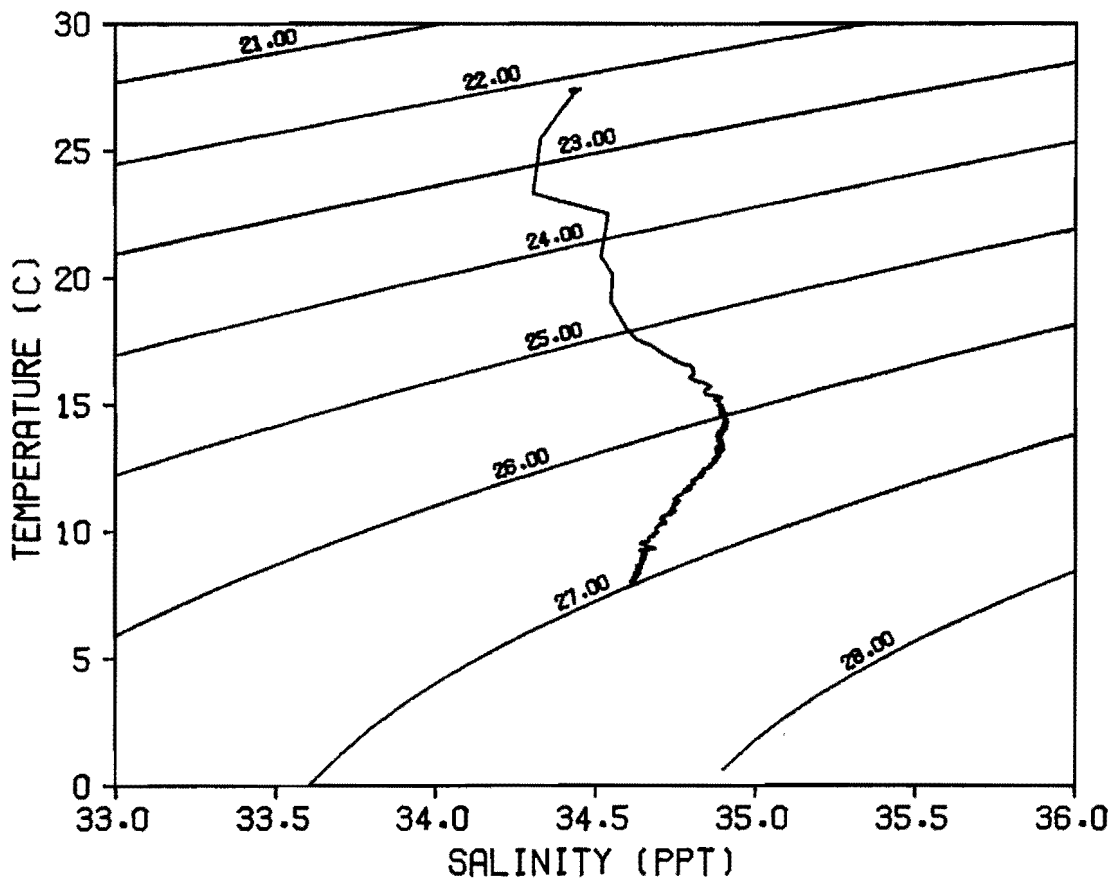


CAST EP3-79-UC-058 DATE 06 MAY 79 TIME 1641 GMT
 LAT 01 45.04 LONG 110 00.00 WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 125 T SPD 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 5 DRY 27.2 WET 24.0 DEPTH M

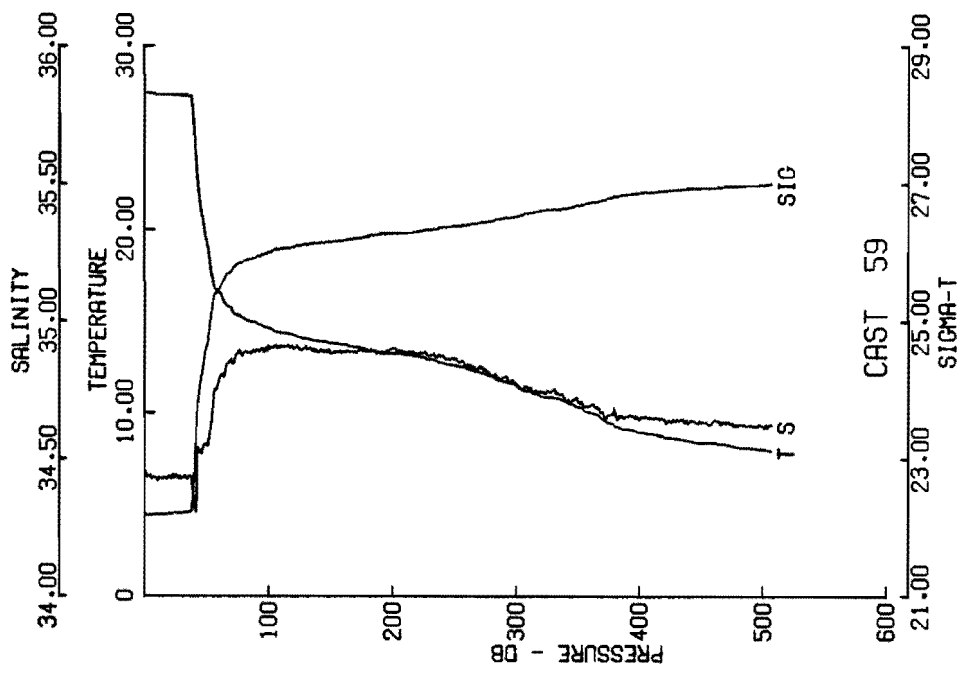
DEPTH (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-S
7	26.910	34.402	22.316	.055
10	26.899	34.406	22.322	.111
20	26.881	34.395	22.319	.166
30	26.613	34.544	23.717	.215
40	22.271	34.460	24.297	.255
50	17.292	34.748	25.268	.282
60	16.312	34.775	25.536	.311
70	15.315	34.871	25.820	.335
80	14.717	34.906	25.979	.356
100	14.413	34.900	26.039	.376
120	14.223	34.904	26.082	.396
140	14.033	34.903	26.123	.415
150	13.922	34.900	26.144	.435
160	13.851	34.903	26.160	.454
170	13.774	34.838	26.165	.473
180	13.672	34.890	26.194	.491
190	13.494	34.907	26.210	.510
200	13.354	34.901	26.240	.529
250	13.244	34.901	26.261	.547
300	12.799	34.869	26.284	.565
350	11.754	34.794	26.494	.739
400	9.271	34.704	26.649	.817
450	8.540	34.656	26.824	.886
500	8.027	34.639	26.921	.950
504	8.009	34.632	26.987	1.009



CAST EP3-79-0C-59 DATE 06 MAY 79 TIME 1829 GMT
LAT 01 59.4N LONG 110 00.0W

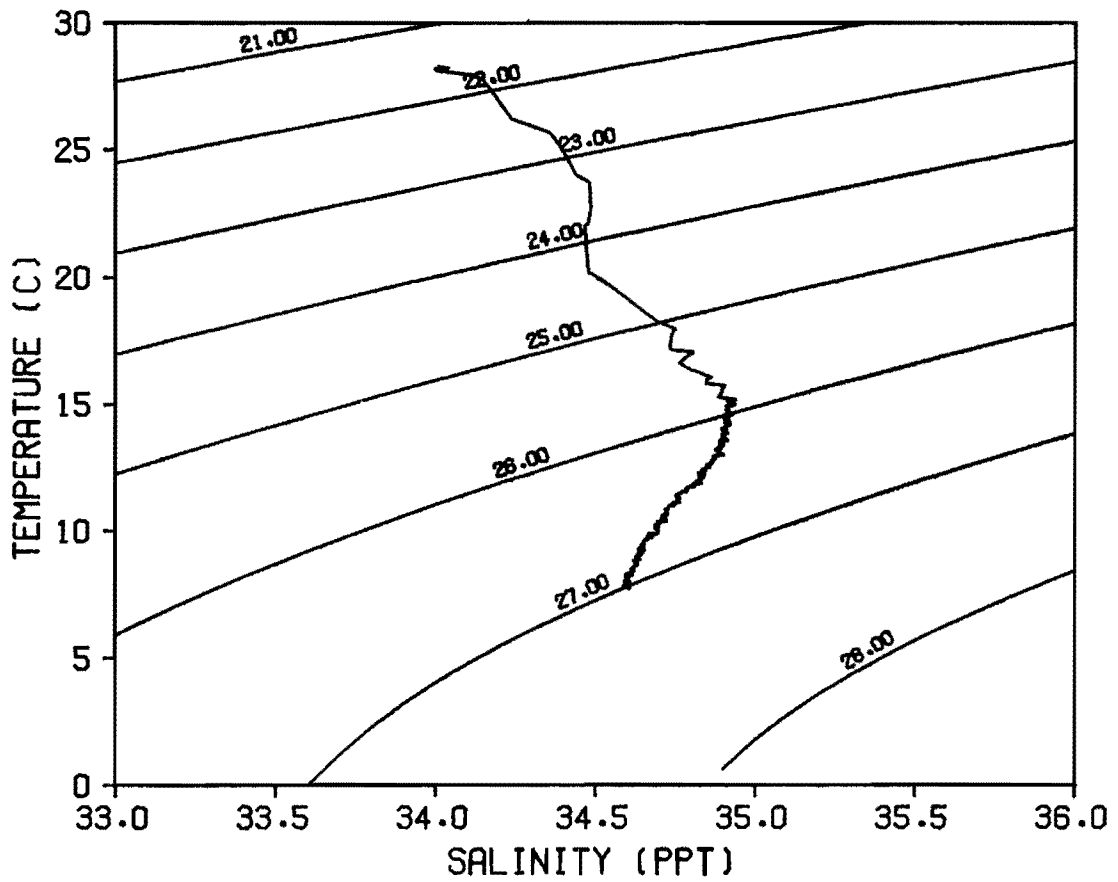


CAST 59-72-UC-029 DATE 06 MAY 79 TIME 1829 GMT
 LAT 01 59.4N LONG 110 00.0W WEATHER 2 SEA STATE 3
 BAROMETER 11 WIND DIR 120 T SPD 14 KT VISIBILITY 7
 CLOUD P AMOUNT 0 DRY 27.0 WET 24.4

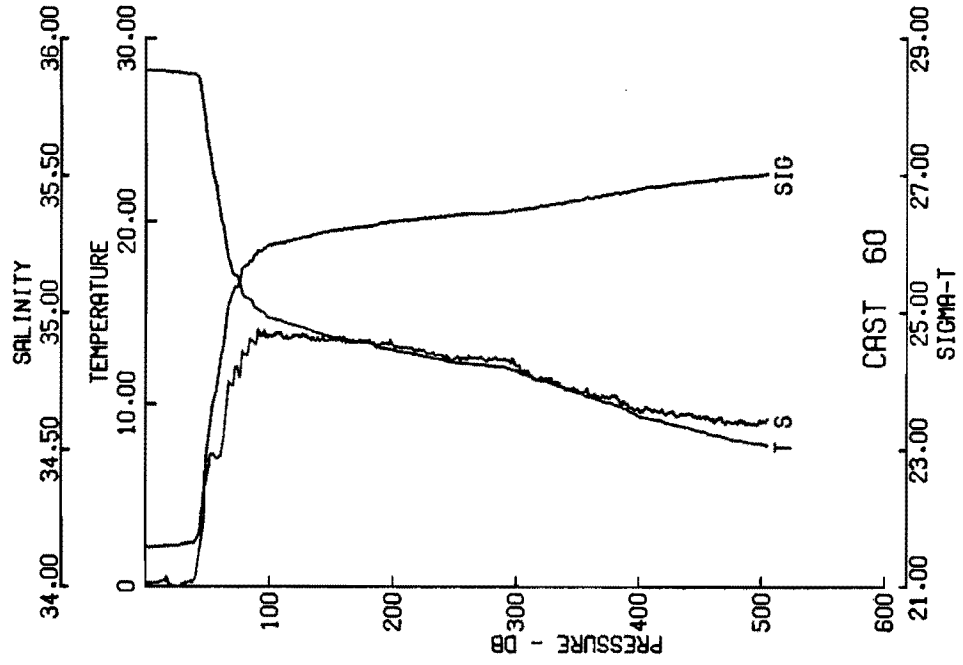


DEPTH (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	27.422	34.446	22.184	.000
1	27.405	34.452	22.194	.057
10	27.357	34.431	22.191	.113
20	27.339	34.437	22.207	.170
30	27.310	34.429	22.207	.225
40	27.443	34.350	22.461	.264
50	19.327	34.776	25.456	.318
60	15.595	34.864	25.725	.340
70	15.712	34.883	25.868	.362
80	15.162	34.891	25.922	.382
90	14.920	34.914	26.008	.403
100	14.607	34.911	26.060	.422
110	14.355	34.902	26.128	.441
120	14.243	34.912	26.136	.461
130	14.037	34.901	26.179	.480
140	13.825	34.881	26.173	.499
150	13.730	34.886	26.205	.517
160	13.571	34.890	26.235	.535
170	13.448	34.891	26.262	.555
180	13.287	34.884	26.282	.573
190	13.223	34.900	26.282	.592
200	13.201	34.861	26.282	.612
250	11.315	34.776	26.224	.645
300	11.315	34.722	26.700	.688
350	10.313	34.644	26.867	.740
400	10.370	34.632	26.948	.788
450	10.024	34.622	26.993	.840
500	7.922	34.623	27.008	.890

CAST EP3-79-0C-60 DATE 06 MAY 79 TIME 2140 GMT
LAT 02 33.2N LONG 110 04.5W

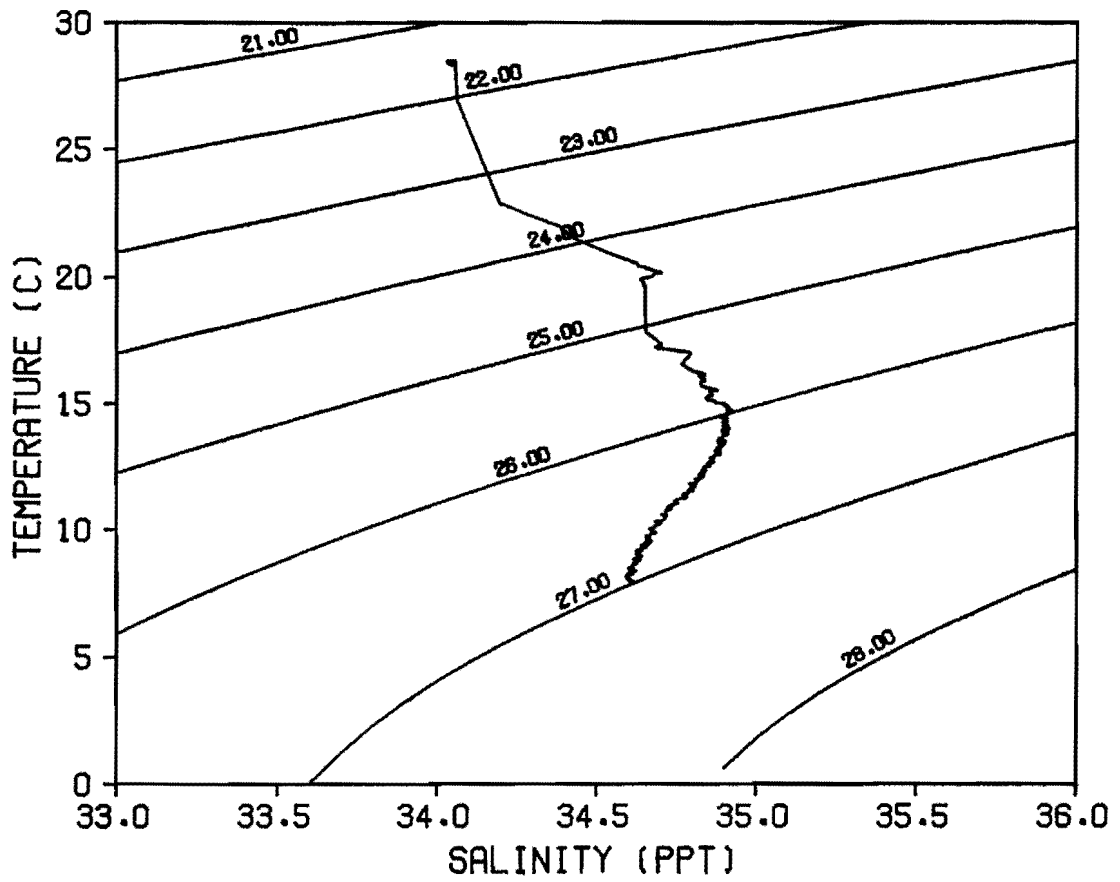


CAST FP3-79-0C-060 DATE 06 MAY 79 TIME 2140 GMT
 LAT 02 53.2N LONG 110 04.5W WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 120 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 27.0 WET 24.0 DEPTH M

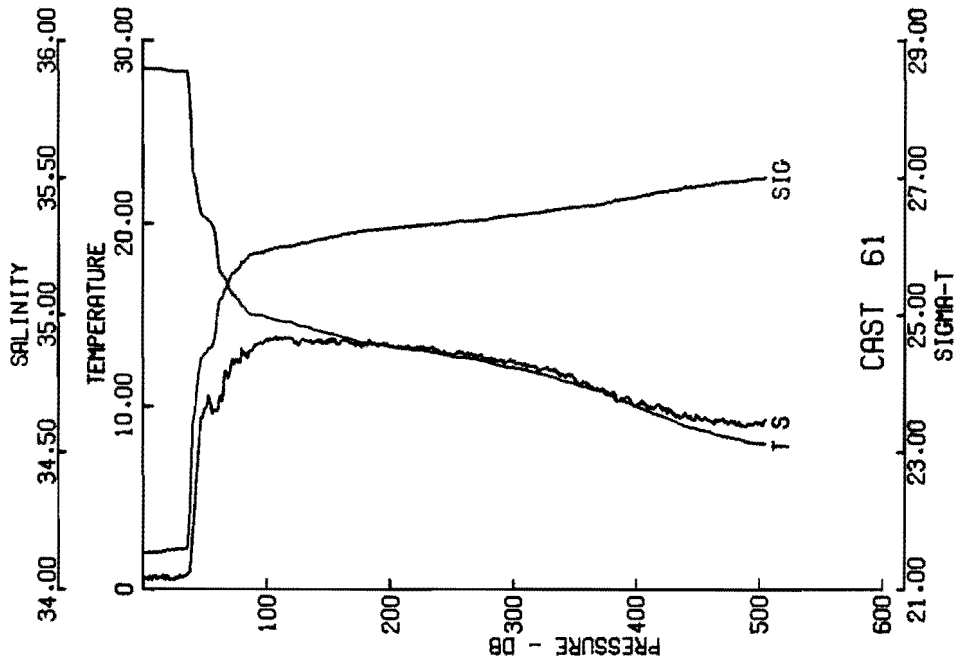


DEPTH (M)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DELTA-D (DYN M)
0	28.262	34.612	21.585	0.00
1	28.247	34.614	21.592	0.062
10	28.250	34.609	21.587	0.124
20	28.191	34.603	21.602	0.248
30	28.122	34.612	21.632	0.305
40	28.069	34.633	21.664	0.348
50	28.513	34.417	23.067	0.380
60	27.185	34.476	24.212	0.405
70	17.167	34.733	25.283	0.428
80	15.647	34.848	25.682	0.449
90	15.220	34.898	25.862	0.469
100	14.701	34.920	25.993	0.489
110	14.556	34.918	26.023	0.509
120	14.333	34.920	26.071	0.528
130	14.138	34.900	26.113	0.547
140	13.821	34.901	26.162	0.565
150	13.606	34.916	26.228	0.603
160	13.575	34.894	26.248	0.621
170	13.425	34.896	26.258	0.638
180	13.352	34.885	26.302	0.674
190	13.093	34.832	26.323	0.724
200	12.940	34.832	26.323	0.807
250	12.276	34.807	26.487	0.885
300	11.841	34.807	26.549	0.955
350	10.603	34.723	26.812	1.019
400	9.324	34.651	26.923	1.079
450	8.491	34.624	27.004	
500	7.821	34.597	27.029	
550	7.725	34.611		

CAST EP3-79-0C-61 DATE 07 MAY 79 TIME 0029 GMT
LAT 03 00.0N LONG 110 00.0W



CAST 613-73-DC-061 DATE 07 MAY 79 TIME 0029 GMT
 LAT 03 00.0N LONG 110 00.0W WEATHER 1 SEA STAT 3
 BAROMETER 07 WIND DIR 130 T SPD 14 KT VISIBILITY R
 CLOUD 8 AMOUNT 3 DRY 27.5 WET 23.9 DEPTH M



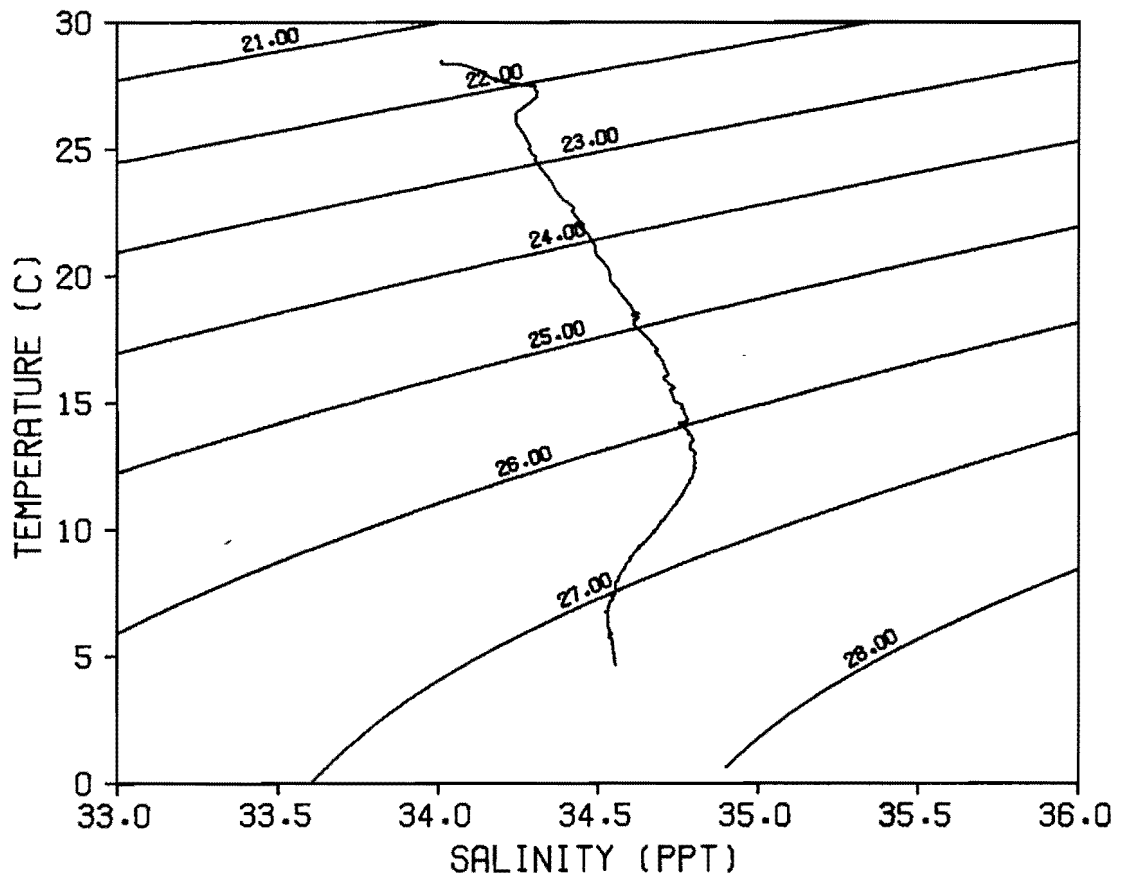
PRESSURE (DB)	TEMPERATURE (C)	SALINITY (PPT)	SIGMA-T	DLTA-D (DYN M)
0	28.451	34.055	21.556	.000
10	28.467	34.053	21.549	.063
20	28.487	34.047	21.577	.125
30	28.521	34.054	21.597	.188
40	22.369	34.197	23.381	.248
50	18.320	34.652	24.433	.321
60	18.422	34.738	24.918	.378
70	16.285	34.879	25.509	.394
80	15.493	34.882	25.786	.415
90	15.001	34.912	25.898	.436
100	14.872	34.915	25.949	.456
110	14.619	34.913	26.005	.476
120	14.380	34.905	26.054	.496
130	14.165	34.897	26.121	.516
140	14.016	34.901	26.165	.535
150	13.827	34.894	26.196	.554
160	13.648	34.893	26.230	.572
170	13.479	34.893	26.248	.591
180	13.317	34.894	26.260	.609
190	13.247	34.894	26.260	.628
200	12.747	34.827	26.351	.698
250	12.122	34.769	26.449	.784
300	11.826	34.670	26.573	.839
350	11.943	34.632	26.716	.939
400	11.746	34.605	26.883	1.006
450	11.579	34.605	26.987	1.067
500	11.446	34.617	27.001	

EP4-79-0C

17 May - 18 June 1979

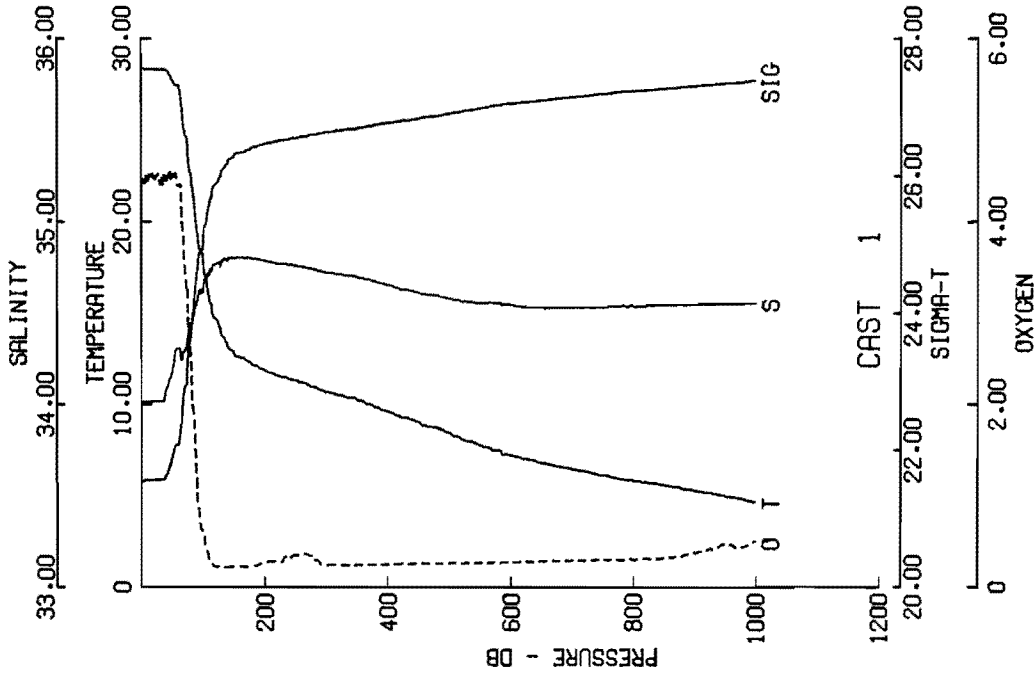
NBIS CTD/O₂ Data Summary

CAST EP4-79-0C-001 DATE 28 MAY 79 TIME 2009 GMT
LAT 13 59.3N LONG 109 59.2W

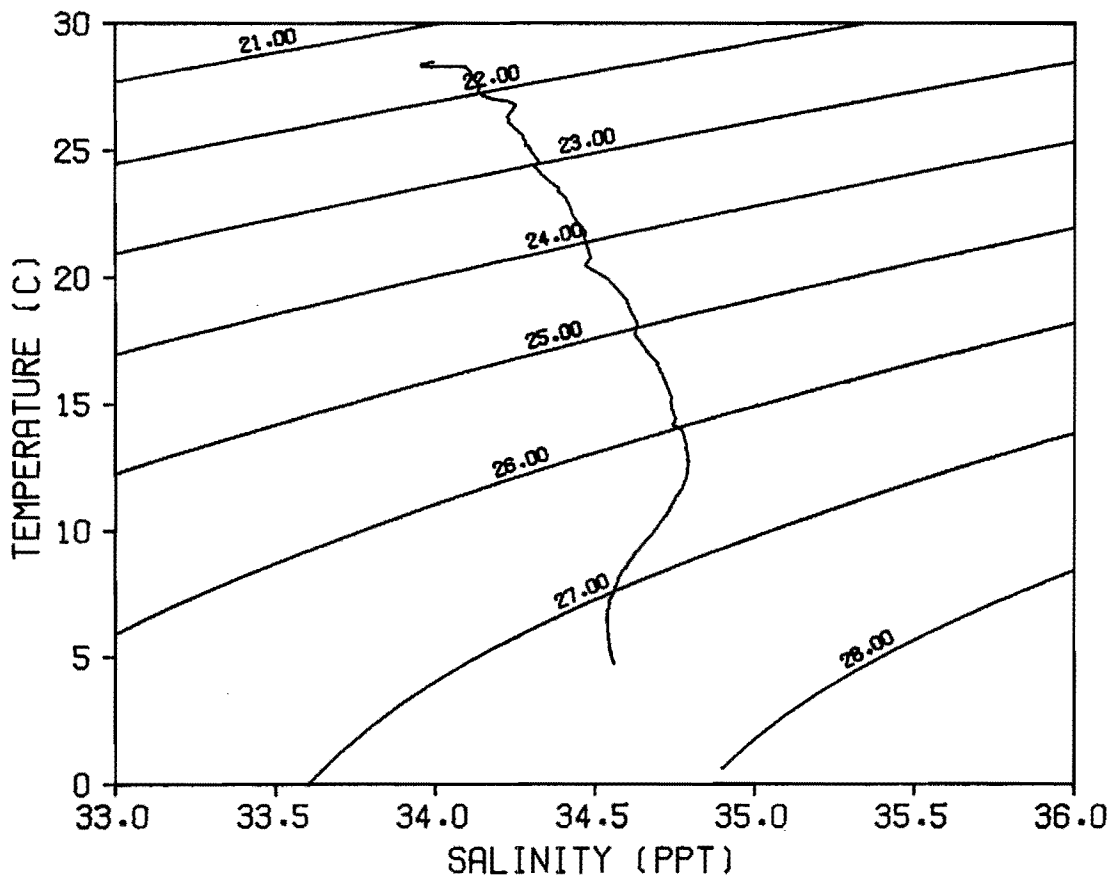


EP4-79-0C-001 DATE 26 MAY 79 TIME 2009 GMT
 LAT 13 29.3N LONG 109 39.2W WEATHER 2 SEA STATE 3
 BAROMETER 12 WIND DIR 040 T SPD 13 KT VISIBILITY 9
 CLOUD 6 AMOUNT 6 DRY 28.0 WET 25.0

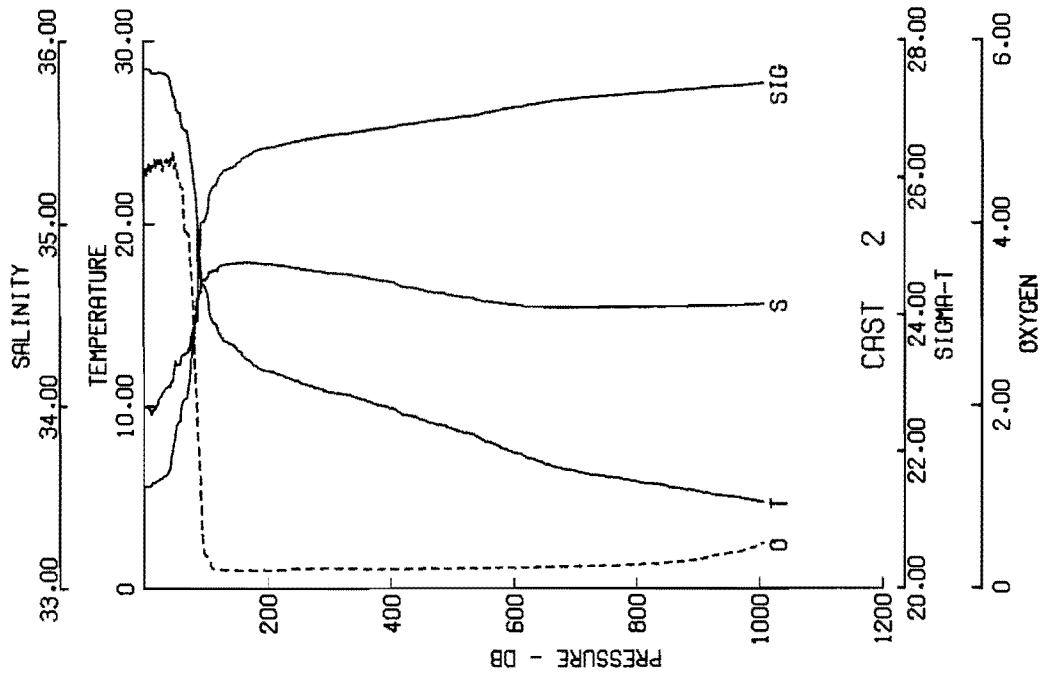
PRES (DB)	TEMP (C)	SAL (PPT)	DX (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.433	34.010	4.48	21.520	.000
10	28.328	34.014	4.49	21.565	.063
20	28.321	34.014	4.49	21.568	.125
30	28.309	34.068	4.41	21.612	.250
40	27.434	34.171	4.42	21.875	.311
50	27.434	34.306	4.39	22.075	.370
60	24.866	34.218	3.54	22.860	.471
70	22.529	34.529	2.54	23.640	.510
80	19.338	34.613	1.80	24.584	.541
90	15.746	34.720	.22	25.608	.568
100	14.692	34.768	.22	25.877	.590
110	13.808	34.787	.21	26.080	.611
120	13.169	34.800	.22	26.280	.629
130	12.594	34.804	.22	26.339	.649
140	12.144	34.804	.22	26.369	.666
150	11.822	34.795	.22	26.414	.683
160	11.582	34.788	.22	26.439	.700
170	11.315	34.782	.22	26.465	.717
180	11.067	34.773	.22	26.497	.733
190	10.849	34.764	.22	26.537	.748
200	10.607	34.697	.22	26.592	.768
250	9.260	34.654	.22	26.828	.962
300	8.418	34.580	.22	26.901	1.099
350	7.783	34.525	.22	26.976	1.163
400	7.310	34.455	.22	27.052	1.228
450	6.904	34.331	.22	27.077	1.286
500	6.413	34.532	.22	27.189	1.388
550	5.527	34.545	.22	27.231	1.487
600	5.263	34.520	.22	27.303	1.523
650	4.547	34.534	.22	27.384	1.523



CAST EP4-79-0C-002 DATE 29 MAY 79 TIME 0229 GMT
LAT 13 06.9N LONG 110 00.0W

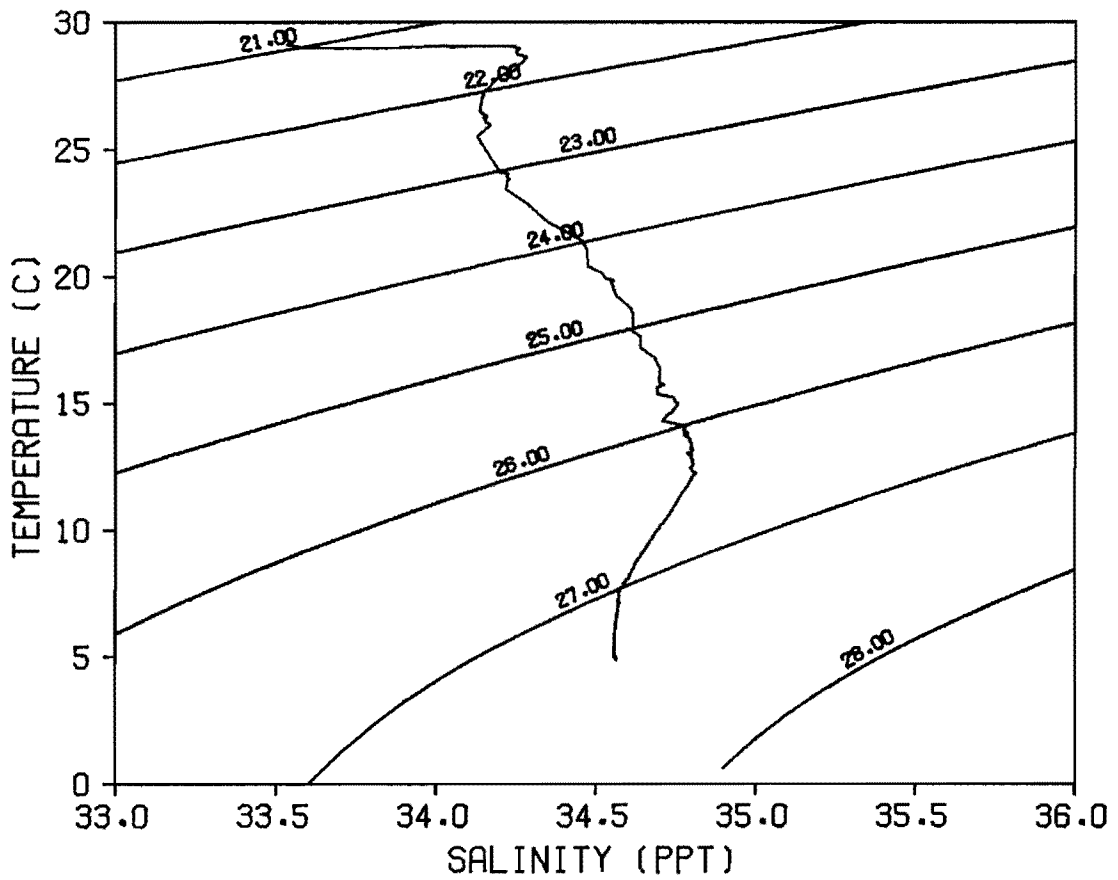


CAST EP4-79-0C-0J2 DATE 29 MAY 79 TIME 0229 GMT
 LAT 13 06.9N LONG 110 00.0W SEA STATE 3
 WIND DIR 10 WIND SPD 13 KT VISIBILITY 7 M
 WIND AMOUNT 0 DRY 26.0 WET 25.1 DEPTH 7 M



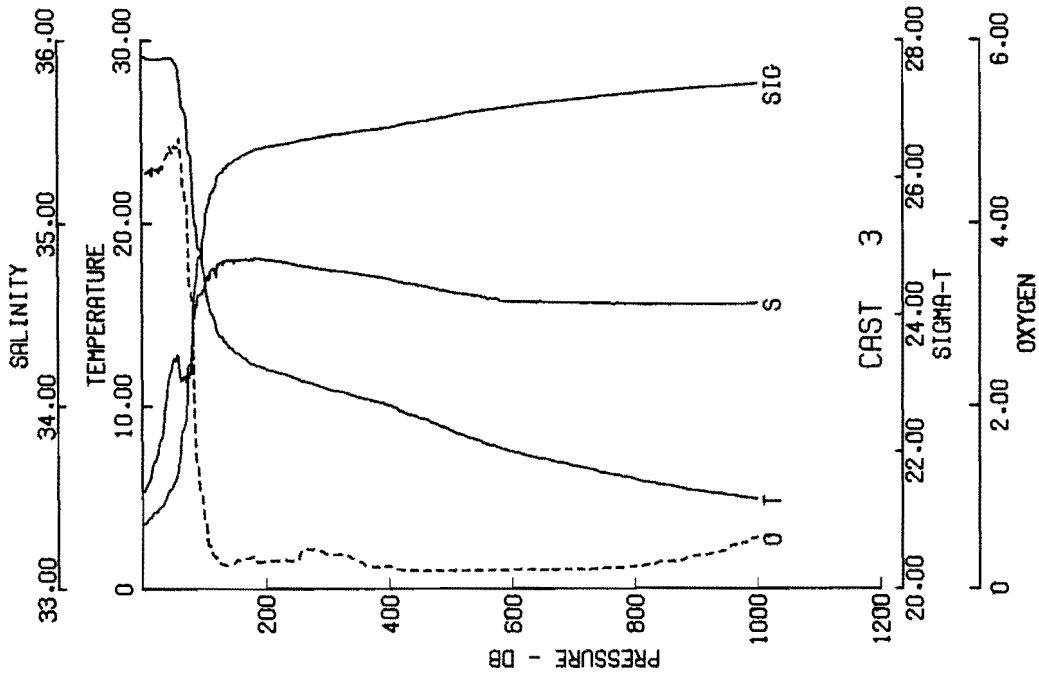
PRES (DB)	TEMP (C)	SAL (PPT)	UXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.483	33.993	4.53	21.498	.003
10	28.449	33.983	4.51	21.502	.063
20	28.427	33.997	4.59	21.566	.188
30	28.293	34.071	4.64	21.619	.250
40	28.090	34.110	4.61	21.718	.309
50	28.026	34.229	4.42	22.164	.364
60	25.053	34.295	3.85	23.813	.415
70	22.419	34.431	3.30	24.687	.462
80	18.162	34.634	1.36	24.972	.509
90	14.875	34.704	.23	25.454	.550
100	14.066	34.763	.20	25.863	.591
110	13.423	34.779	.20	26.118	.610
120	13.174	34.787	.20	26.217	.629
130	12.774	34.787	.20	26.290	.647
140	12.343	34.789	.20	26.340	.665
150	12.033	34.785	.20	26.396	.682
160	11.738	34.783	.20	26.447	.699
170	11.454	34.781	.22	26.493	.715
180	11.175	34.730	.22	26.537	.729
190	10.914	34.682	.21	26.576	.745
200	10.674	34.638	.22	26.614	.761
250	9.244	34.572	.22	26.674	.816
300	8.141	34.534	.22	26.744	.945
350	7.410	34.539	.23	26.814	1.016
400	6.809	34.542	.23	26.869	1.084
450	6.336	34.547	.25	26.939	1.150
500	5.970	34.542	.26	27.030	1.217
550	5.513	34.547	.25	27.153	1.279
600	5.222	34.547	.26	27.222	1.342
650	5.049	34.547	.29	27.269	1.408
700	4.949	34.547	.39	27.299	1.478
750	4.867	34.547	.47	27.336	1.550
800	4.792	34.547	.50	27.377	1.613
850	4.742	34.547	.50	27.377	1.655
900	4.742	34.547	.50	27.377	1.655
950	4.742	34.547	.50	27.377	1.655
1000	4.742	34.547	.50	27.377	1.655

CAST EP4-79-0C-003 DATE 29 MAY 79 TIME 0901 GMT
LAT 11 59.1N LONG 109 59.6W

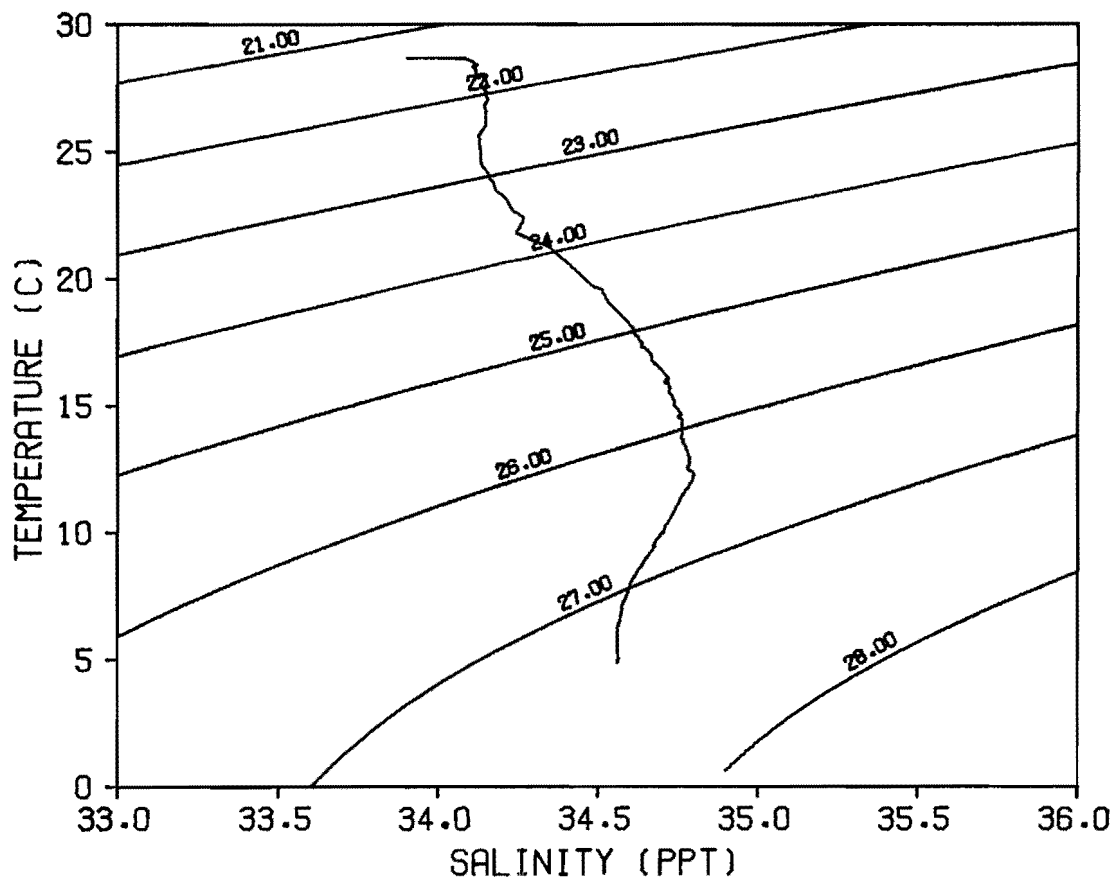


CAST EP4-79-DC-003 DATE 29 MAY 79 TIME 0901 GMT
 LAT 11 59 N LONG 109 59 W SEA STATE 3
 BAROMETER WIND DIR 220 T SPD 25 KT VISIBILITY 8
 CLOUD X AMOUNT 8 DRY 24.8 WET 24.5 WET 24.5 DEPTH

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	29.113	33.535	4.579	20.945	.008
10	29.015	33.582	4.522	21.017	.036
20	28.954	33.613	4.458	21.110	.136
30	28.909	33.646	4.388	21.202	.202
40	28.909	33.674	4.314	21.295	.268
50	28.909	33.701	4.237	21.389	.332
60	28.909	33.728	4.158	21.482	.394
70	28.909	33.755	4.074	21.576	.450
80	28.909	33.782	3.987	21.670	.507
90	28.909	33.809	3.898	21.764	.562
100	28.909	33.836	3.807	21.858	.615
110	28.909	33.863	3.714	21.952	.671
120	28.909	33.890	3.619	22.046	.722
130	28.909	33.917	3.522	22.140	.774
140	28.909	33.944	3.424	22.234	.825
150	28.909	33.971	3.325	22.328	.875
160	28.909	34.000	3.224	22.422	.925
170	28.909	34.027	3.122	22.516	.975
180	28.909	34.054	3.019	22.610	1.025
190	28.909	34.081	2.915	22.704	1.075
200	28.909	34.108	2.811	22.798	1.125
210	28.909	34.135	2.706	22.892	1.175
220	28.909	34.162	2.601	22.986	1.225
230	28.909	34.189	2.496	23.080	1.275
240	28.909	34.216	2.390	23.174	1.325
250	28.909	34.243	2.284	23.268	1.375
260	28.909	34.270	2.178	23.362	1.425
270	28.909	34.297	2.072	23.456	1.475
280	28.909	34.324	1.966	23.550	1.525
290	28.909	34.351	1.859	23.644	1.575
300	28.909	34.378	1.753	23.738	1.625
310	28.909	34.405	1.647	23.832	1.675
320	28.909	34.432	1.540	23.926	1.725
330	28.909	34.459	1.434	24.020	1.775
340	28.909	34.486	1.328	24.114	1.825
350	28.909	34.513	1.222	24.208	1.875
360	28.909	34.540	1.116	24.302	1.925
370	28.909	34.567	1.009	24.396	1.975
380	28.909	34.594	0.903	24.490	2.025
390	28.909	34.621	0.797	24.584	2.075
400	28.909	34.648	0.690	24.678	2.125
410	28.909	34.675	0.584	24.772	2.175
420	28.909	34.702	0.478	24.866	2.225
430	28.909	34.729	0.372	24.960	2.275
440	28.909	34.756	0.266	25.054	2.325
450	28.909	34.783	0.160	25.148	2.375
460	28.909	34.810	0.054	25.242	2.425
470	28.909	34.837	0.000	25.336	2.475
480	28.909	34.864	0.000	25.430	2.525
490	28.909	34.891	0.000	25.524	2.575
500	28.909	34.918	0.000	25.618	2.625
510	28.909	34.945	0.000	25.712	2.675
520	28.909	34.972	0.000	25.806	2.725
530	28.909	35.000	0.000	25.900	2.775
540	28.909	35.027	0.000	26.000	2.825
550	28.909	35.054	0.000	26.100	2.875
560	28.909	35.081	0.000	26.200	2.925
570	28.909	35.108	0.000	26.300	2.975
580	28.909	35.135	0.000	26.400	3.025
590	28.909	35.162	0.000	26.500	3.075
600	28.909	35.189	0.000	26.600	3.125
610	28.909	35.216	0.000	26.700	3.175
620	28.909	35.243	0.000	26.800	3.225
630	28.909	35.270	0.000	26.900	3.275
640	28.909	35.297	0.000	27.000	3.325
650	28.909	35.324	0.000	27.100	3.375
660	28.909	35.351	0.000	27.200	3.425
670	28.909	35.378	0.000	27.300	3.475
680	28.909	35.405	0.000	27.400	3.525
690	28.909	35.432	0.000	27.500	3.575
700	28.909	35.459	0.000	27.600	3.625
710	28.909	35.486	0.000	27.700	3.675
720	28.909	35.513	0.000	27.800	3.725
730	28.909	35.540	0.000	27.900	3.775
740	28.909	35.567	0.000	28.000	3.825
750	28.909	35.594	0.000	28.100	3.875
760	28.909	35.621	0.000	28.200	3.925
770	28.909	35.648	0.000	28.300	3.975
780	28.909	35.675	0.000	28.400	4.025
790	28.909	35.702	0.000	28.500	4.075
800	28.909	35.729	0.000	28.600	4.125
810	28.909	35.756	0.000	28.700	4.175
820	28.909	35.783	0.000	28.800	4.225
830	28.909	35.810	0.000	28.900	4.275
840	28.909	35.837	0.000	29.000	4.325
850	28.909	35.864	0.000	29.100	4.375
860	28.909	35.891	0.000	29.200	4.425
870	28.909	35.918	0.000	29.300	4.475
880	28.909	35.945	0.000	29.400	4.525
890	28.909	35.972	0.000	29.500	4.575
900	28.909	36.000	0.000	29.600	4.625
910	28.909	36.027	0.000	29.700	4.675
920	28.909	36.054	0.000	29.800	4.725
930	28.909	36.081	0.000	29.900	4.775
940	28.909	36.108	0.000	30.000	4.825
950	28.909	36.135	0.000	30.100	4.875
960	28.909	36.162	0.000	30.200	4.925
970	28.909	36.189	0.000	30.300	4.975
980	28.909	36.216	0.000	30.400	5.025
990	28.909	36.243	0.000	30.500	5.075

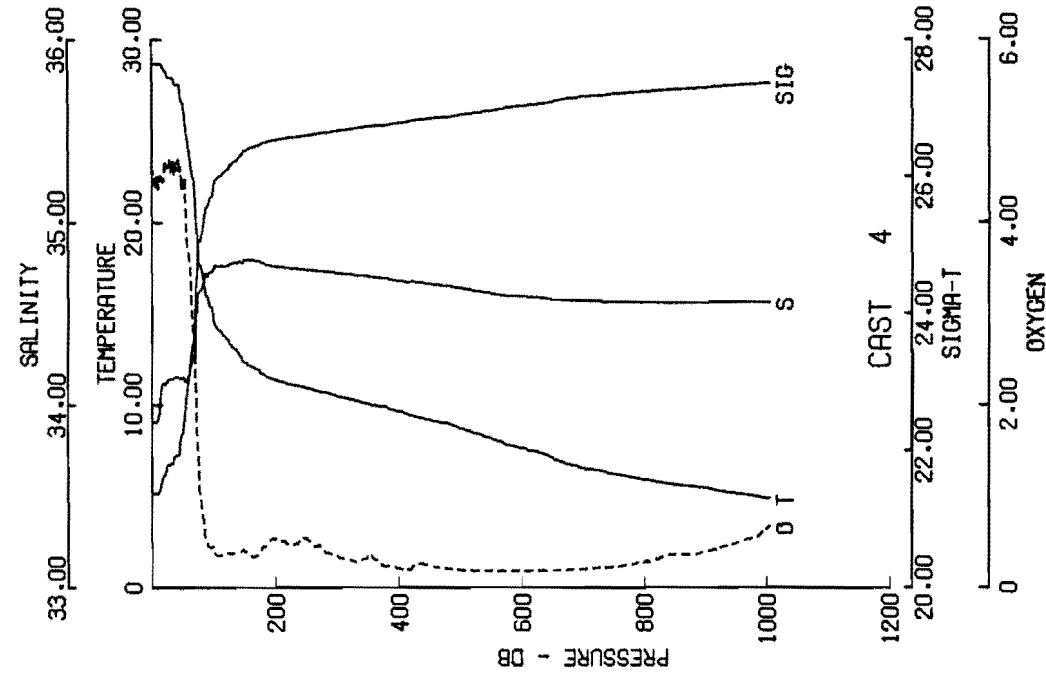


CAST EP4-79-0C-004 DATE 29 MAY 79 TIME 1551 GMT
LAT 11 00.0N LONG 110 00.0W

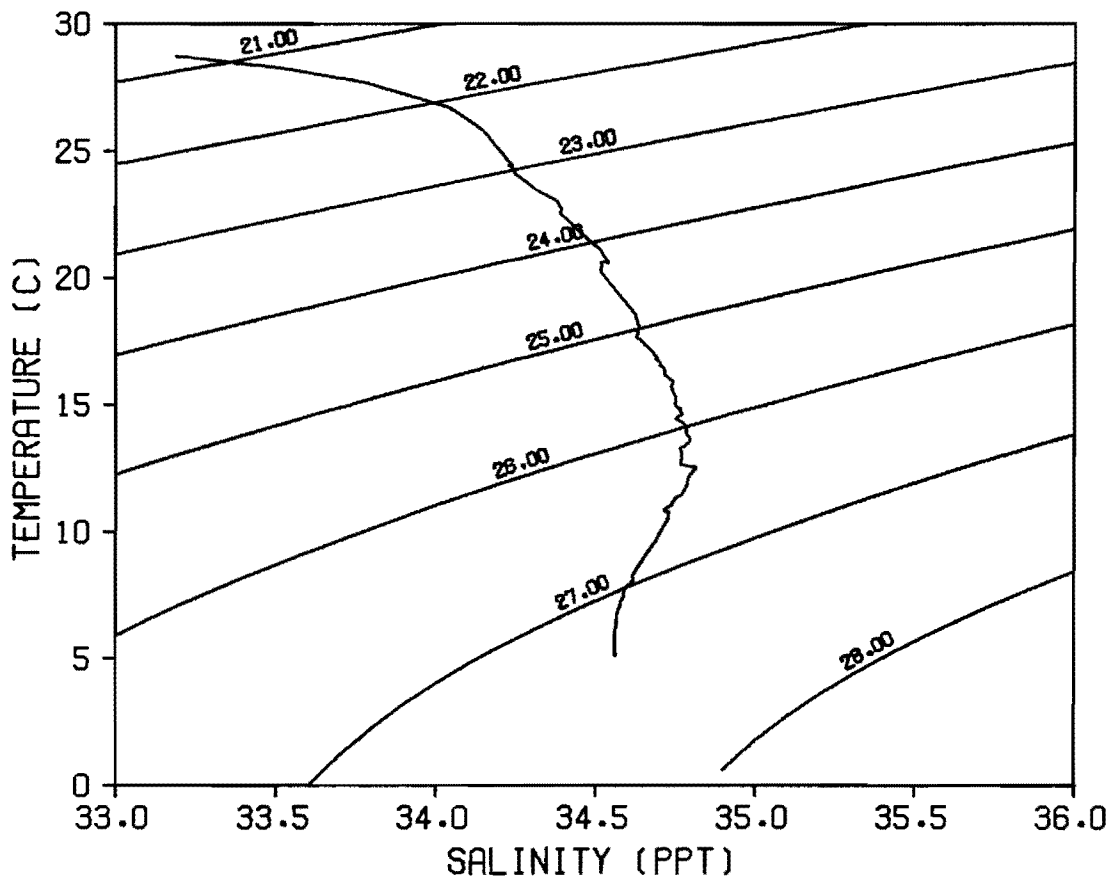


CAST EP4-79-DC-004 DATE 29 MAY 79 TIME 1551 GMT
 LAT 11 00 N LONG 110 00 W WEATHER 6 SEA STATE 4
 BAROMETER 12 WIND DIR 240 T SPD 25 KT VISIBILITY 7
 CLOUD 6 AMOUNT 8 DRY 26.1 WET 24.5 DEPTH M

PALS (DB)	TEMP (C)	SAL (PPT)	DX (ML/L)	SIG-T	DELTA-D
0	28.580	33.903	4.62	21.365	.000
10	28.996	33.923	4.36	21.377	.064
20	28.376	34.118	4.26	21.628	.188
30	27.914	34.153	4.59	21.924	.248
40	27.548	34.171	4.57	22.201	.308
50	26.540	34.339	3.36	22.513	.352
60	27.892	34.635	2.34	22.137	.402
70	17.342	34.719	.40	22.169	.433
80	14.533	34.748	.40	22.588	.459
90	14.066	34.766	.35	22.897	.482
100	11.317	34.779	.37	26.097	.502
110	11.179	34.786	.39	26.274	.542
120	12.352	34.796	.40	26.281	.577
130	12.143	34.799	.35	26.423	.594
140	11.701	34.780	.44	26.493	.610
150	11.498	34.761	.51	26.527	.626
160	11.385	34.742	.54	26.557	.652
170	10.948	34.721	.54	26.603	.658
180	10.565	34.681	.36	26.673	.734
190	9.547	34.664	.21	26.731	.808
200	9.133	34.639	.19	26.845	.878
250	8.710	34.811	.18	26.963	.948
300	8.637	34.595	.18	27.029	1.018
350	7.093	34.376	.12	27.092	1.140
400	6.533	34.569	.21	27.164	1.254
450	6.194	34.261	.23	27.202	1.354
500	5.911	34.257	.28	27.238	1.404
550	5.630	34.257	.37	27.270	1.451
600	5.434	34.563	.38	27.294	1.496
650	5.134	34.563	.48	27.334	1.540
700	4.987	34.563	.67	27.362	1.582
750	4.877				
800					
850					
900					
950					
1000					

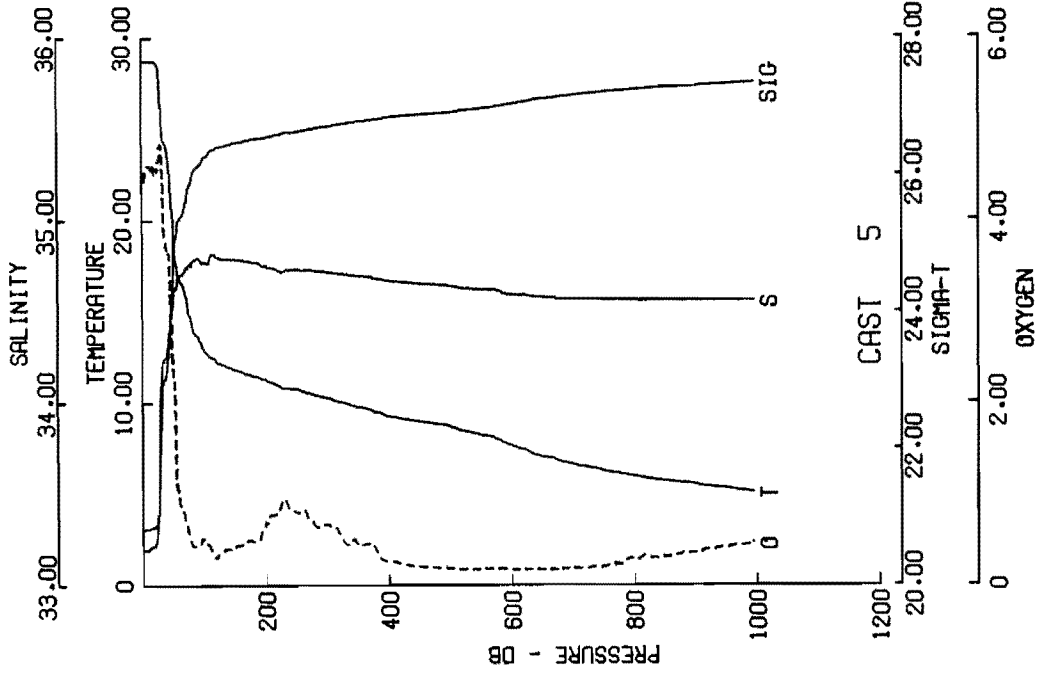


CAST EP4-79-0C-005 DATE 29 MAY 79 TIME 2238 GMT
LAT 10 00.0N LONG 110 00.0W

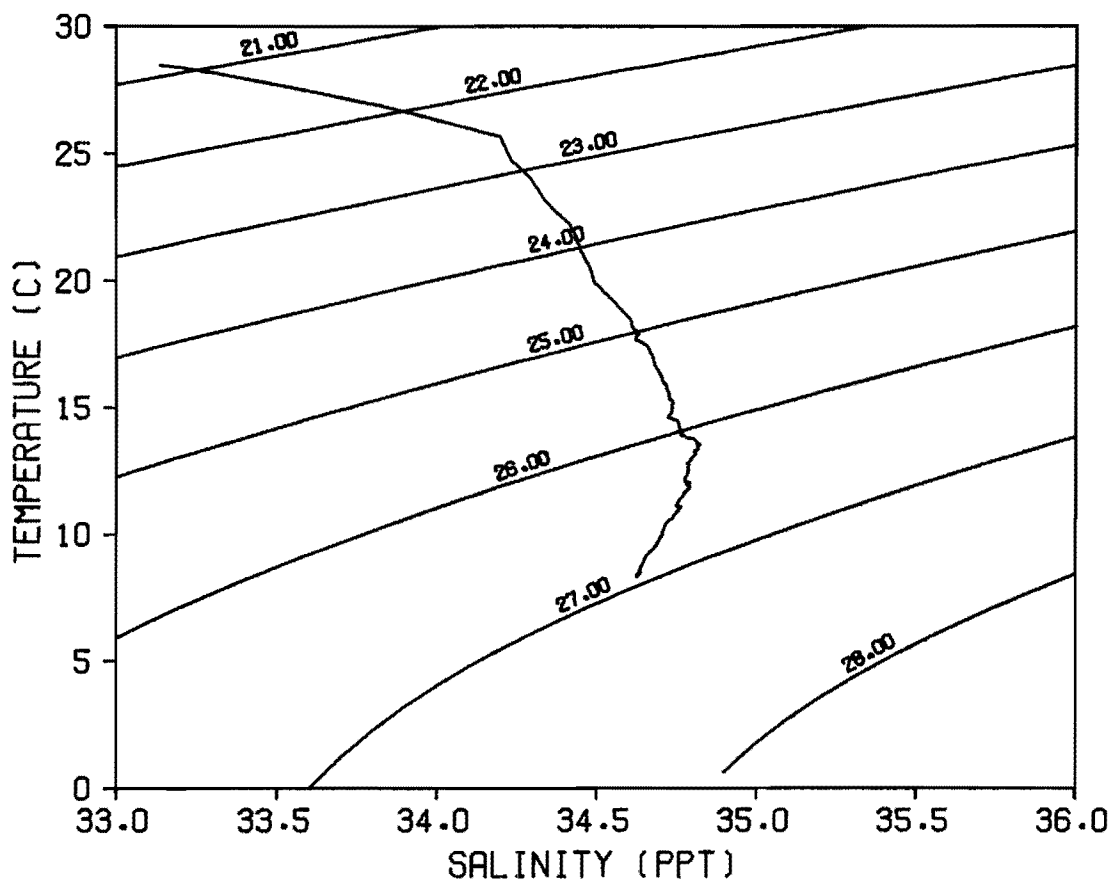


CAST EP4-79-UC-005 DATE 29 MAY 79 TIME 2238 GMT
 LAT 10 00.0N LUNG DIR 110 00.0W WEATHER 2 SEA STATE 4
 BAROMETER 09 WIND SPD 25.0 KT WET 25.0 VISIBILITY 8
 CLOUD 9 AMOUNT 8 DRY 27.5 WET 25.0 DEPTH M

PRCS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-O (DTN-M)
0	28.719	33.189	4.54	20.817	.000
10	28.697	33.194	4.59	20.821	.070
20	28.674	33.215	4.50	20.845	.139
30	28.640	34.048	4.50	22.107	.206
40	24.095	34.248	3.69	24.358	.299
50	20.204	34.517	2.95	25.337	.328
60	16.806	34.687	.71	25.578	.354
70	14.450	34.740	.46	25.917	.377
80	13.676	34.796	.46	26.114	.397
90	12.894	34.771	.50	26.254	.415
100	12.543	34.795	.41	26.343	.430
110	12.297	34.804	.30	26.397	.450
120	12.112	34.792	.38	26.424	.467
130	11.966	34.790	.40	26.473	.483
140	11.844	34.789	.42	26.473	.499
150	11.764	34.784	.44	26.488	.515
160	11.599	34.777	.48	26.510	.531
170	11.479	34.771	.48	26.527	.547
180	11.296	34.753	.51	26.547	.562
190	11.096	34.731	.70	26.531	.578
200	10.750	34.716	.81	26.504	.625
250	9.736	34.693	.66	26.779	.725
300	8.946	34.668	.43	26.837	.794
350	8.696	34.651	.20	26.873	.860
400	8.245	34.638	.18	26.902	.925
450	7.661	34.617	.17	26.926	.988
500	7.024	34.592	.17	27.024	1.048
550	6.642	34.575	.16	27.103	1.104
600	6.278	34.567	.16	27.148	1.164
650	5.969	34.564	.28	27.194	1.216
700	5.703	34.562	.31	27.232	1.315
750	5.527	34.561	.35	27.264	1.362
800	5.329	34.561	.41	27.295	1.408
850	5.099	34.562	.47	27.310	1.453
900				27.330	
950					

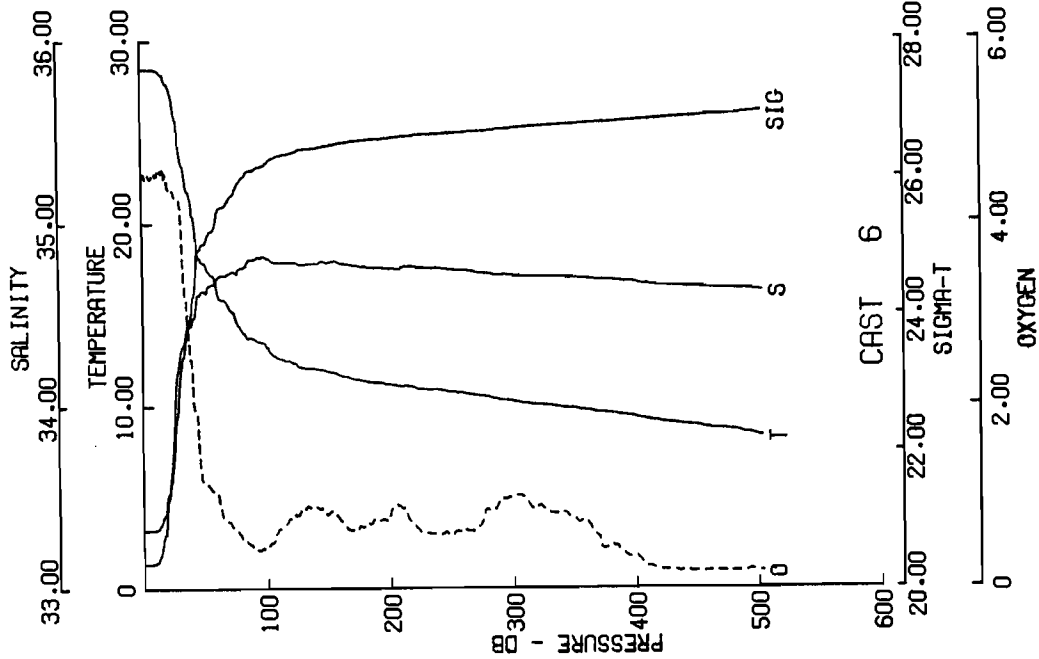


CAST EP4-79-0C-006 DATE 30 MAY 79 TIME 0259 GMT
LAT 09 30.0N LONG 110 00.0W

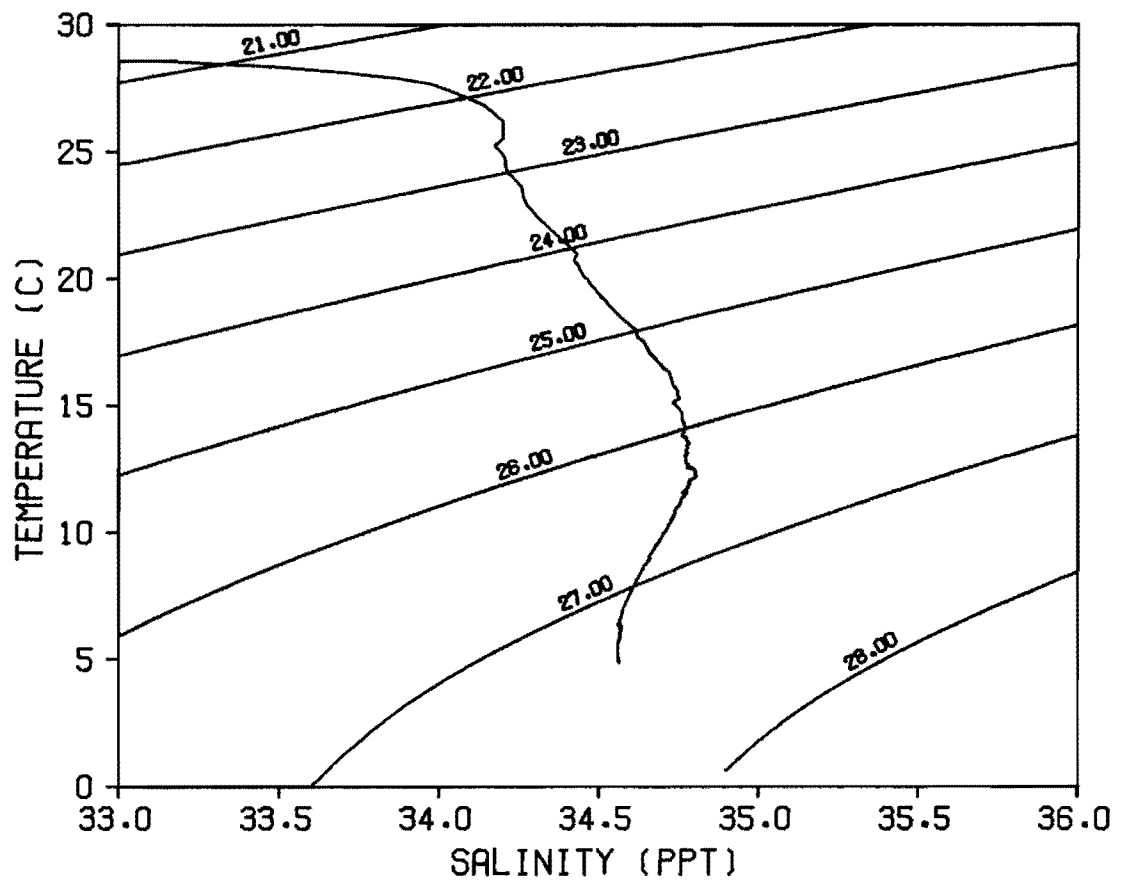


CAST 1P4-79-DC-016 DATE 30 MAY 79 TIME 0259 GMT
 LAT 09 30.0N LONG 110 00.0W WEATHER 5 SEA STATE 4
 BAROMETER 11 WIND DIR 210 T SPD 18 KT VISIBILITY 7
 CLOUD 4 AMOUNT 6 DRY 26.5 WET 25.0 DEPTH M

PRESS (DB)	TEMP (C)	SAL (PPT)	DXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.460	33.137	4.55	20.8671	.000
10	27.734	33.147	4.67	21.362	.059
20	26.072	32.685	4.25	23.101	.137
30	24.466	34.288	2.30	24.261	.195
40	17.838	34.529	1.16	25.045	.237
50	16.214	34.703	1.03	25.488	.269
60	15.365	34.727	.77	25.698	.297
70	14.171	34.760	.53	25.982	.321
80	13.107	34.807	.43	26.116	.343
90	13.267	34.812	.44	26.211	.363
100	12.541	34.785	.66	26.316	.382
110	12.450	34.786	.76	26.354	.417
120	12.103	34.776	.86	26.413	.434
130	12.043	34.782	.89	26.429	.450
140	11.905	34.785	.82	26.458	.467
150	11.676	34.780	.75	26.488	.483
160	11.492	34.770	.63	26.524	.498
170	11.366	34.762	.70	26.541	.519
180	11.286	34.756	.75	26.552	.544
190	11.178	34.752	.81	26.568	.544
200	11.075	34.744	.88	26.638	.619
250	10.217	34.711	.69	26.700	.691
300	9.833	34.599	.77	26.764	.760
350	9.359	34.673	.36	26.823	.827
400	8.837	34.647	.18	26.880	.891
450	8.335	34.627	.18	26.950	.953
500	8.320	34.628	.18	26.953	.953

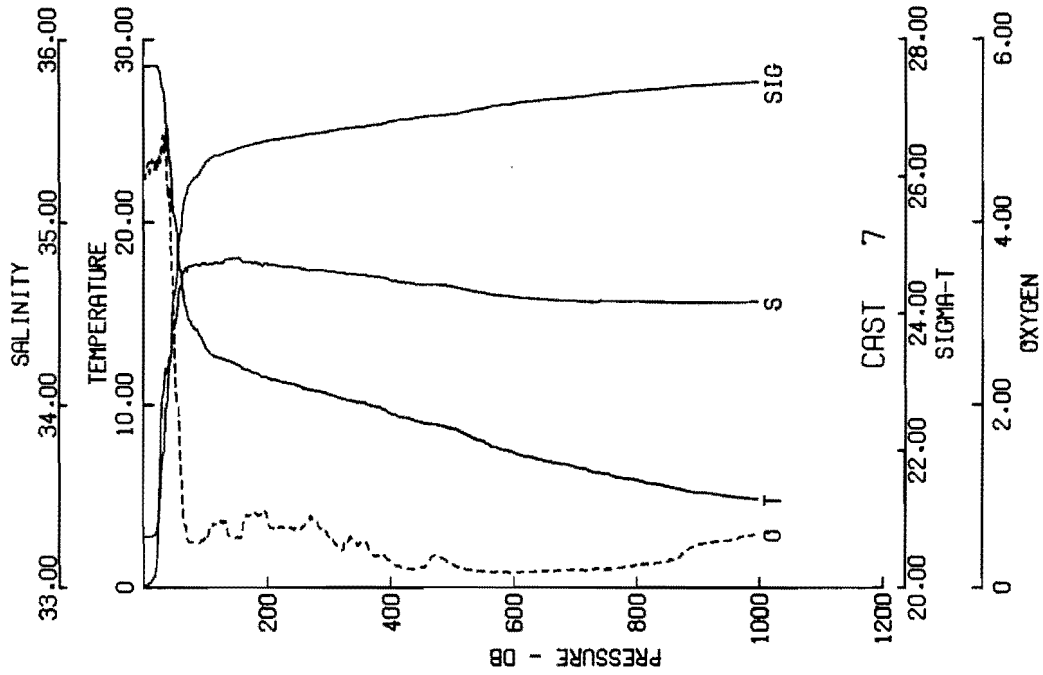


CAST EP4-79-0C-007 DATE 30 MAY 79 TIME 0653 GMT
LAT 08 59.0N LONG 110 00.5W

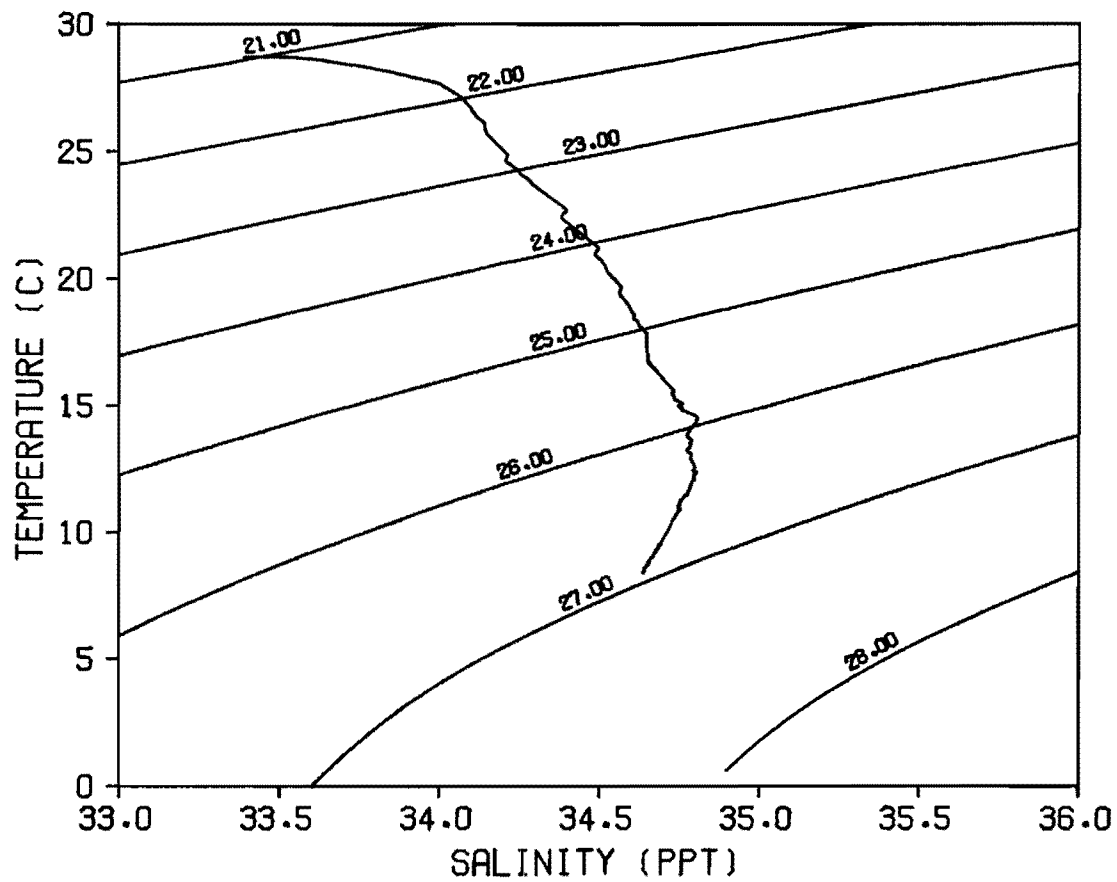


CAST EP4-79-0C-007 DATE 30 MAY 79 TIME 0653 GMT
 LAT 09 59.0N LONG 110 00.5W WEATHER 8 SEA STATE 4
 BAROMETEK 12 WIND DIR 250 T SPD 20 KT VISIBILITY 5
 CLOUD X AMOUNT 8 DRY 25.5 WET 25.0 DEPTH M

PRES (DBS)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D
0	28.545	32.997	4.63	20.731	.070
10	28.570	33.022	4.70	20.741	.070
30	29.577	33.097	4.90	20.796	.147
40	29.458	33.017	4.90	20.850	.204
50	29.231	34.242	4.35	22.096	.304
60	29.297	34.442	2.23	22.274	.336
70	17.117	34.652	1	23.194	.336
80	14.272	34.725	.50	23.566	.332
90	13.859	34.761	.49	23.929	.402
100	13.179	34.790	.63	26.049	.421
120	12.621	34.773	.72	26.216	.447
130	12.525	34.787	.73	26.316	.457
140	12.515	34.801	.75	26.370	.474
150	12.220	34.806	.55	26.414	.492
160	12.044	34.807	.66	26.434	.504
170	11.903	34.782	.78	26.433	.525
180	11.753	34.781	.82	26.456	.541
190	11.615	34.768	.60	26.484	.557
200	11.502	34.773	.76	26.500	.573
220	11.361	34.752	.65	26.523	.589
300	10.582	34.733	.48	26.590	.666
350	10.142	34.713	.48	26.722	.740
450	9.047	34.682	.26	26.802	.880
500	8.712	34.668	.26	26.863	.912
550	8.325	34.617	.26	26.908	.946
600	7.932	34.592	.17	26.989	.009
650	7.932	34.577	.17	27.062	1.070
700	6.245	34.570	.19	27.156	1.180
750	5.912	34.271	.20	27.203	1.233
800	5.541	34.569	.24	27.244	1.330
850	5.204	34.559	.28	27.283	1.377
900	5.011	34.550	.48	27.323	1.421
950	4.851	34.564	.59	27.369	1.454

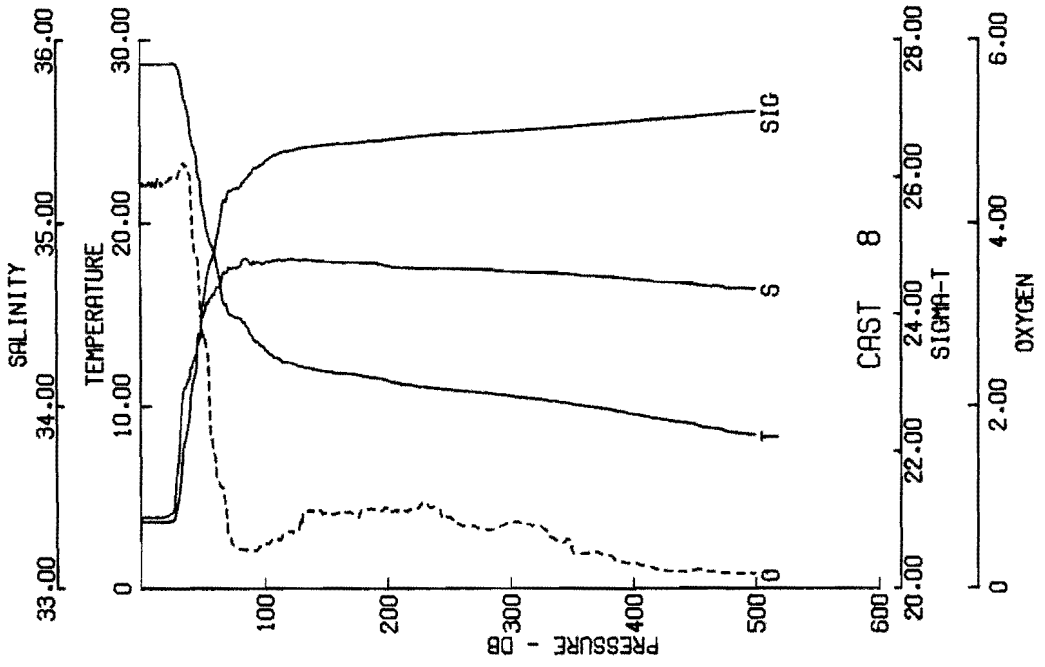


CAST EP4-79-0C-008 DATE 30 MAY 79 TIME 1052 GMT
LAT 08 30.0N LONG 110 00.0W

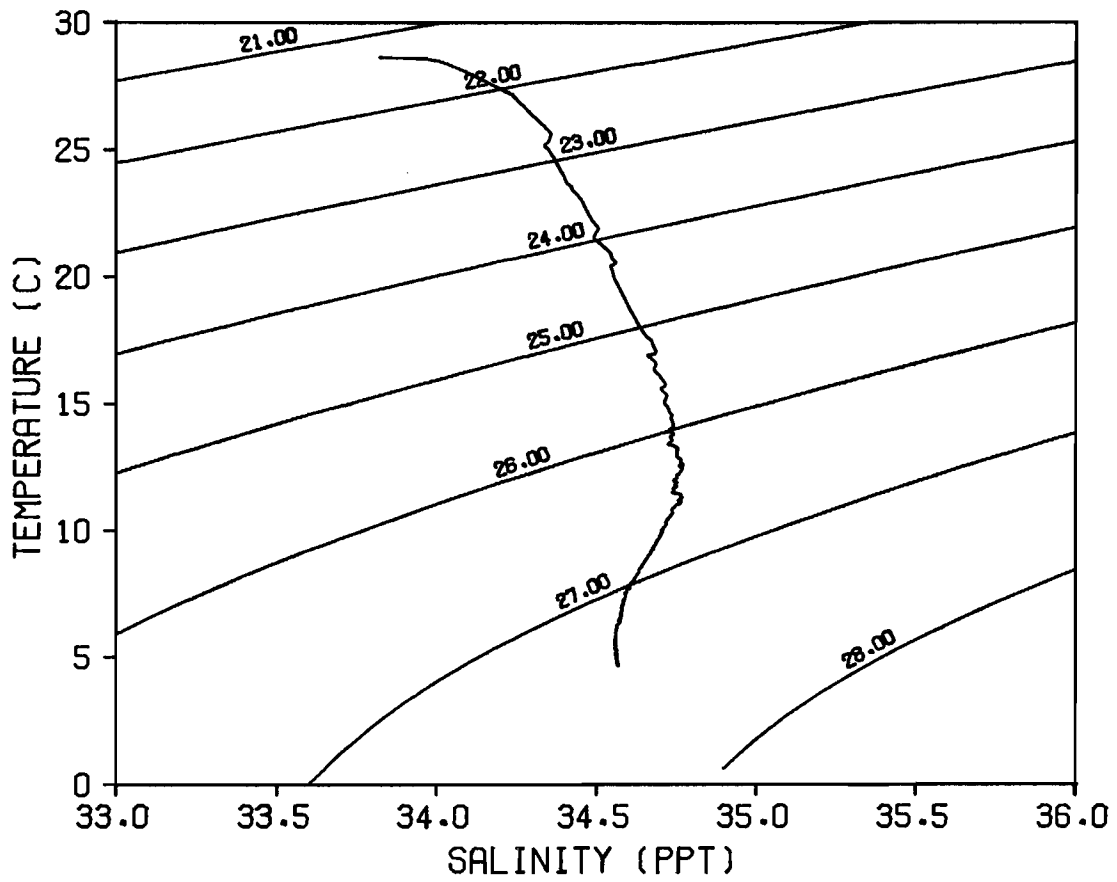


CAST EP4-79-DC-008 DATE 30 MAY 79 TIME 1052 GMT
 LAT 08 30.0N LONG 110 00.0W WEATHER B SEA STATE 6
 BAROMETER 10.10 #IND DIR 230 T SPD 24 KT VISIBILITY 6
 CLOUD 6 AMOUNT 5 DRY 27.0 WET 24.6 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D
0	28.597	33.390	4.46	20.975	.000
10	28.712	33.394	4.45	20.972	.136
20	28.693	33.276	4.49	21.257	.304
30	28.468	34.212	4.49	22.806	.288
40	28.250	34.424	1.60	24.136	.341
50	18.154	34.762	4.2	25.855	.367
60	13.796	34.771	4.9	26.205	.410
70	13.175	34.796	5.5	26.325	.427
80	12.936	34.802	6.3	26.382	.444
90	12.371	34.795	7.1	26.421	.490
100	12.146	34.780	8.5	26.444	.497
110	11.878	34.784	8.3	26.466	.513
120	11.767	34.784	8.2	26.483	.525
130	11.736	34.778	8.2	26.489	.545
140	11.501	34.774	8.6	26.510	.561
150	11.373	34.765	8.9	26.529	.576
160	10.862	34.743	7.6	26.543	.592
170	10.513	34.732	7.2	26.622	.647
180	10.077	34.716	4.2	26.673	.712
190	9.512	34.688	2.7	26.810	.812
200	8.396	34.638	1.6	26.949	.945

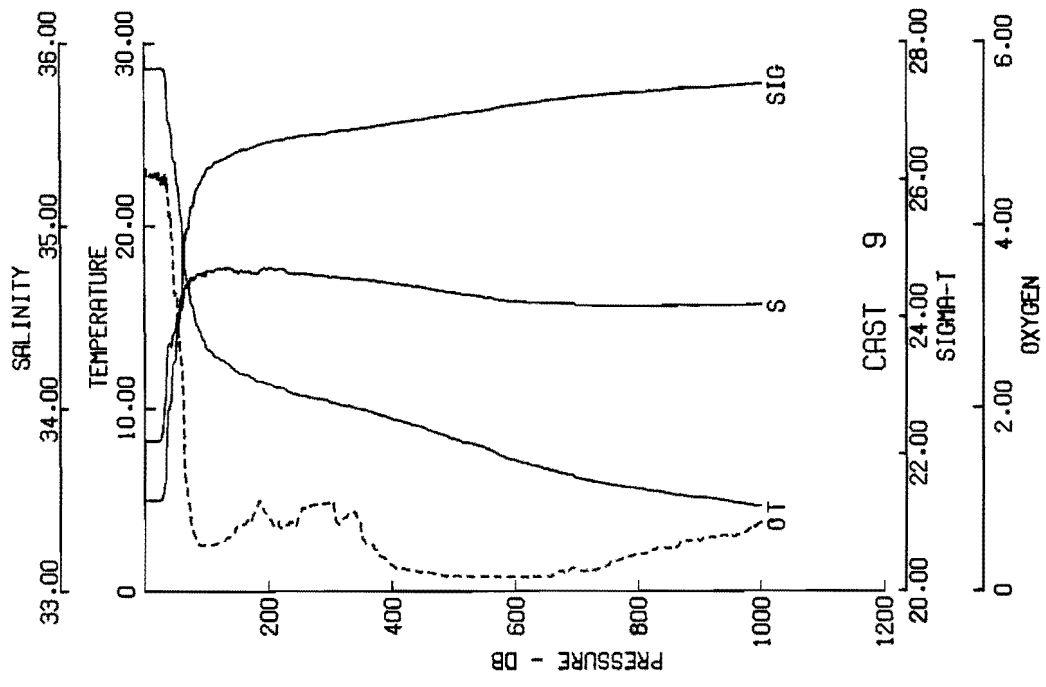


CAST EP4-79-0C-009 DATE 30 MAY 79 TIME 1507 GMT
LAT 08 00.ON LONG 110 00.0W

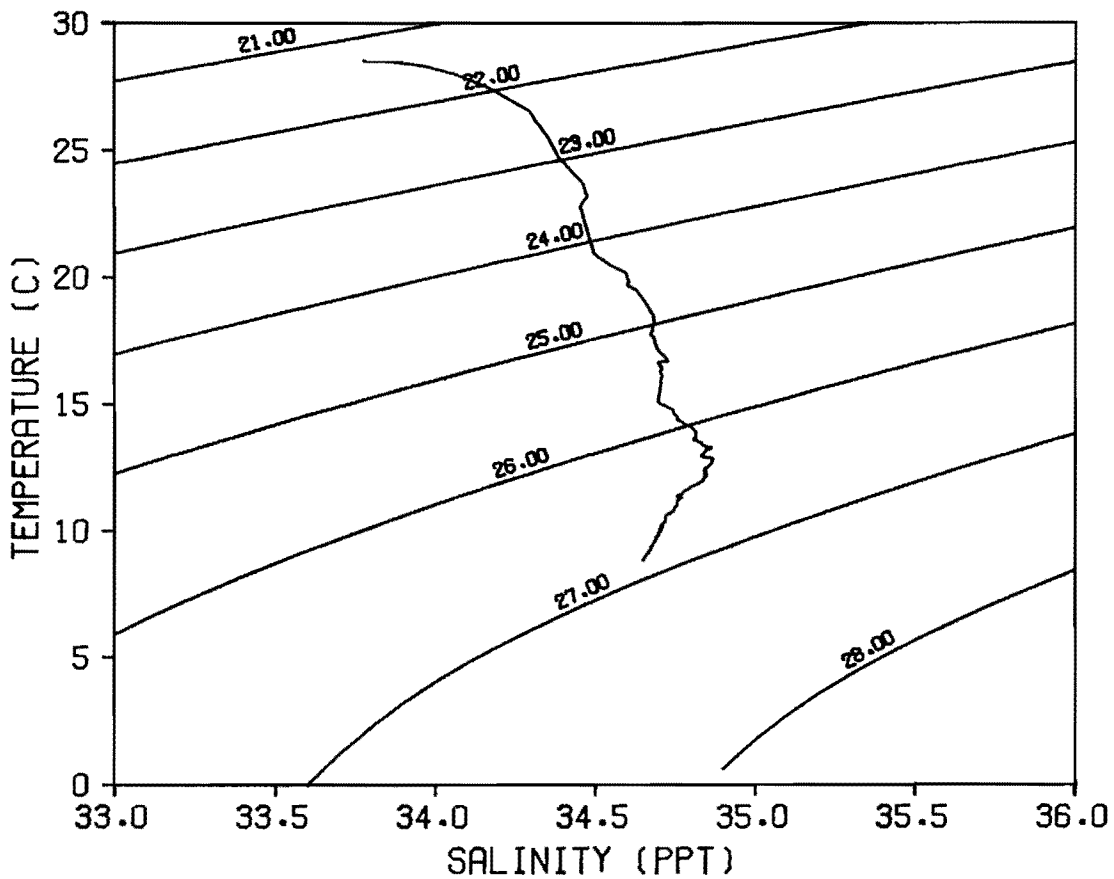


CAST EP4-79-DC-039 DATE 30 MAY 79 TIME 1507 GMT
 LAT 08 00 ON LONG 110 00 OW WEATHER 1 SEA STATE 4
 BAROMETER 12 WIND DIR 230 Y SPD 22 KT VISIBILITY 7
 CLOUD 8 AMOUNT 5 DRY 28.0 WET 23.9 DEPTH M

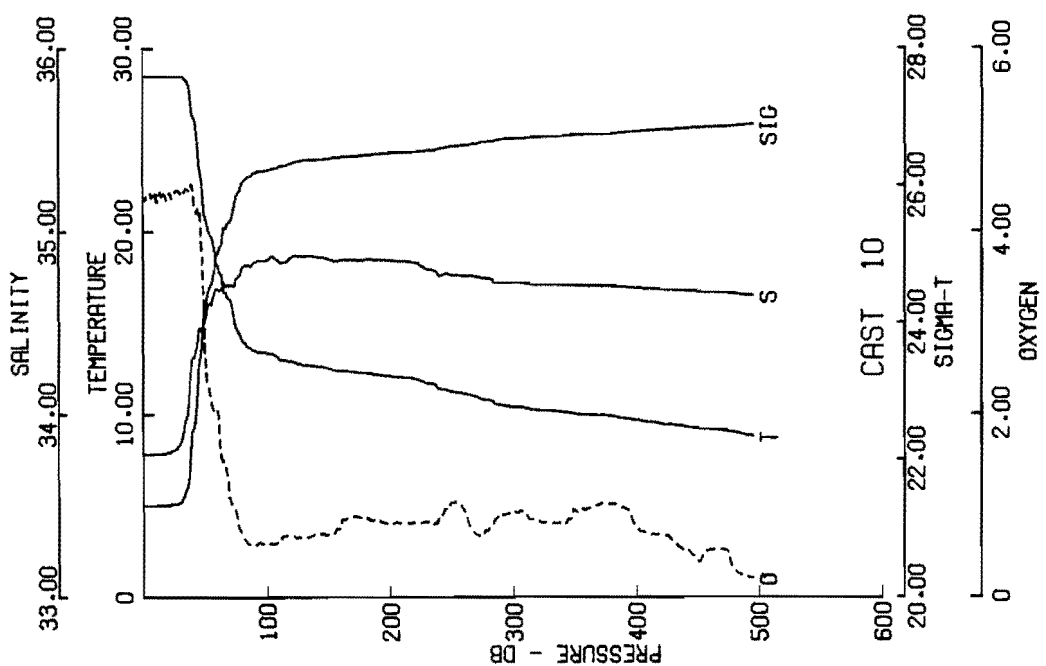
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.630	33.822	4.63	21.321	.000
5	28.630	33.822	4.63	21.321	.065
10	28.629	33.822	4.57	21.322	.130
20	28.630	33.822	4.54	21.405	.194
30	28.628	33.9359	4.510	21.484	.253
40	28.644	34.5444	3.244	22.386	.301
50	28.640	34.5444	1.03	22.429	.372
60	19.572	34.6820	.50	25.297	.366
70	14.255	34.737	.51	25.947	.418
80	13.293	34.750	.50	26.158	.437
90	13.009	34.754	.53	26.278	.475
100	12.753	34.771	.56	26.371	.510
110	12.543	34.751	.71	26.443	.527
120	12.350	34.753	.73	26.443	.543
130	12.151	34.753	.90	26.465	.559
140	11.951	34.737	.91	26.465	.575
150	11.750	34.700	.80	26.533	.604
160	11.525	34.738	.84	26.642	.632
170	11.293	34.717	.88	26.692	.654
180	11.050	34.705	.65	26.751	.684
190	10.833	34.684	.20	26.820	.714
200	10.633	34.662	.20	26.880	.744
250	9.933	34.634	.16	26.956	.804
300	9.333	34.607	.16	27.008	.854
350	8.733	34.587	.16	27.090	.904
400	8.133	34.578	.16	27.150	.954
450	7.533	34.565	.14	27.206	1.004
500	6.933	34.551	.14	27.246	1.054
550	6.333	34.530	.14	27.276	1.104
600	5.733	34.501	.14	27.309	1.154
650	5.133	34.482	.14	27.335	1.204
700	4.533	34.464	.14	27.364	1.254
750	3.933	34.446	.14	27.394	1.304
800	3.333	34.428	.14	27.424	1.354
850	2.733	34.410	.14	27.454	1.404
900	2.133	34.392	.14	27.484	1.454
950	1.533	34.374	.14	27.514	1.504
1000	0.933	34.356	.14	27.544	1.554



CAST EP4-79-0C-010 DATE 30 MAY 79 TIME 1925 GMT
LAT 07 28.9N LONG 109 59.8W

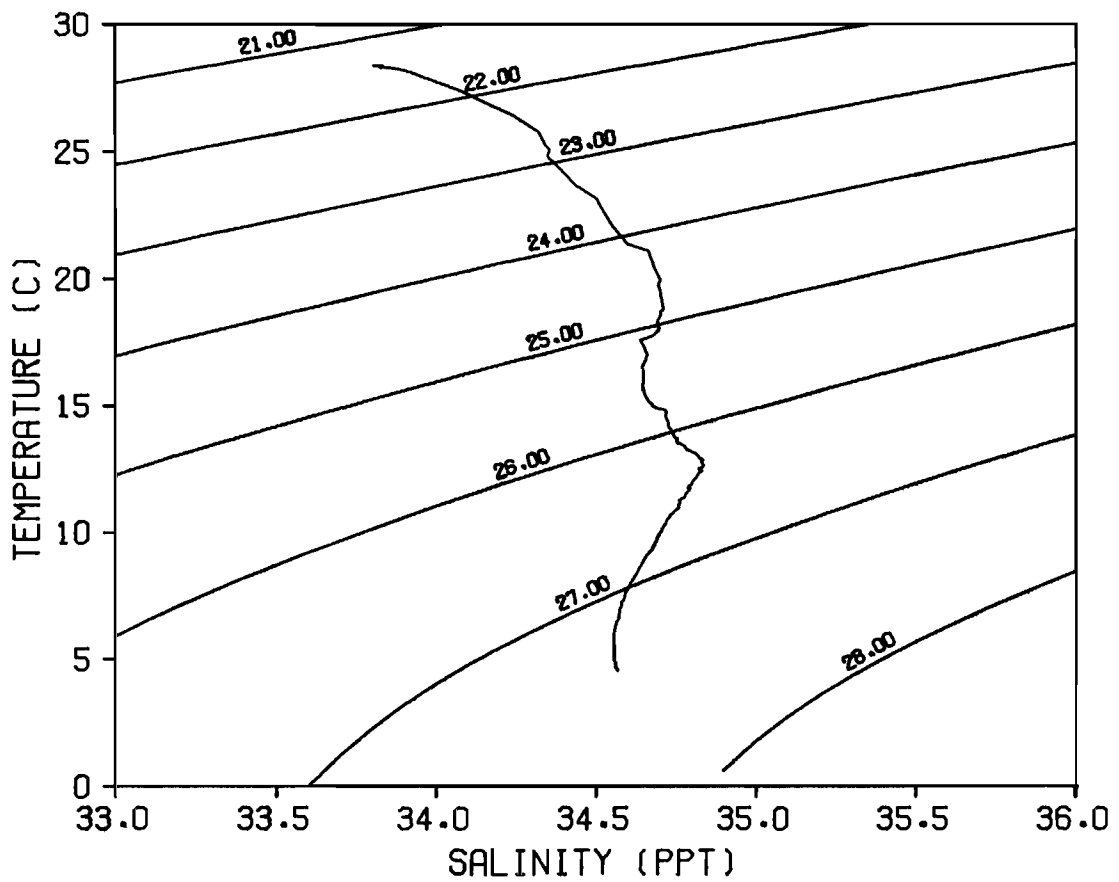


CAST 194-74-DC-010 DATE 30 MAY 79 TIME 1925 GMT
 LAT 07.28.9N LONG 109 59.8W WEATHER 2 SEA STATE 4
 BAROMETER 12 WIND DIR 220 T SPD 25 KT VISIBILITY M
 CLOUD 8 AMOUNT 6 DRY 28.6 WET 25.0 DEPTH M

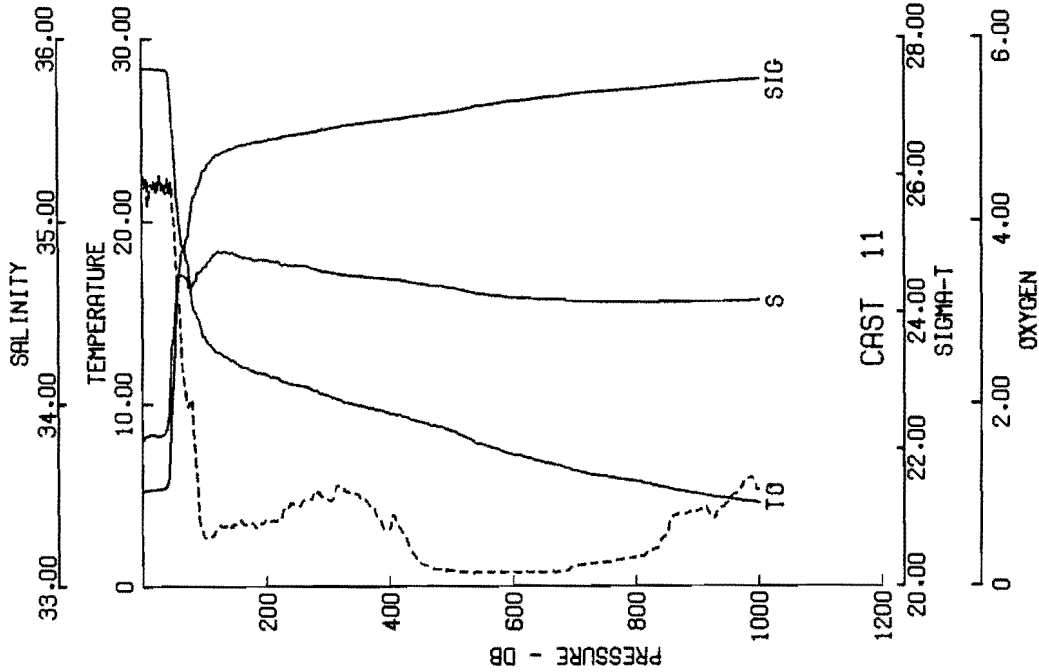


PRES (DB)	TEMP (C)	SAL (PPT)	DRY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.509	33.776	4.37	21.327	000
10	28.500	33.781	4.43	21.334	.055
20	28.482	33.790	4.36	21.347	.124
30	28.483	33.839	4.42	21.383	.255
40	28.307	34.308	4.46	22.195	.302
50	18.123	34.511	2.03	25.016	.363
60	16.289	34.682	1.69	25.470	.385
70	13.476	34.801	.59	26.184	.423
80	13.352	34.843	.59	26.218	.441
90	13.006	34.835	.60	26.281	.459
100	12.694	34.857	.69	26.320	.476
120	12.675	34.863	.66	26.377	.493
140	12.422	34.848	.70	26.393	.510
150	12.364	34.844	.79	26.415	.526
160	12.303	34.846	.84	26.429	.543
170	12.235	34.845	.84	26.441	.559
180	12.139	34.845	.84	26.460	.576
190	12.073	34.841	.82	26.470	.592
200	11.201	34.760	1.02	26.570	.671
250	10.388	34.720	.92	26.685	.746
300	9.504	34.671	.95	26.739	.816
350	9.227	34.690	.78	26.785	.885
400	8.804	34.649	.40	26.842	.951
450					
500					

CAST EP4-79-0C-011 DATE 30 MAY 79 TIME 2303 GMT
LAT 07 00.2N LONG 110 01.0W

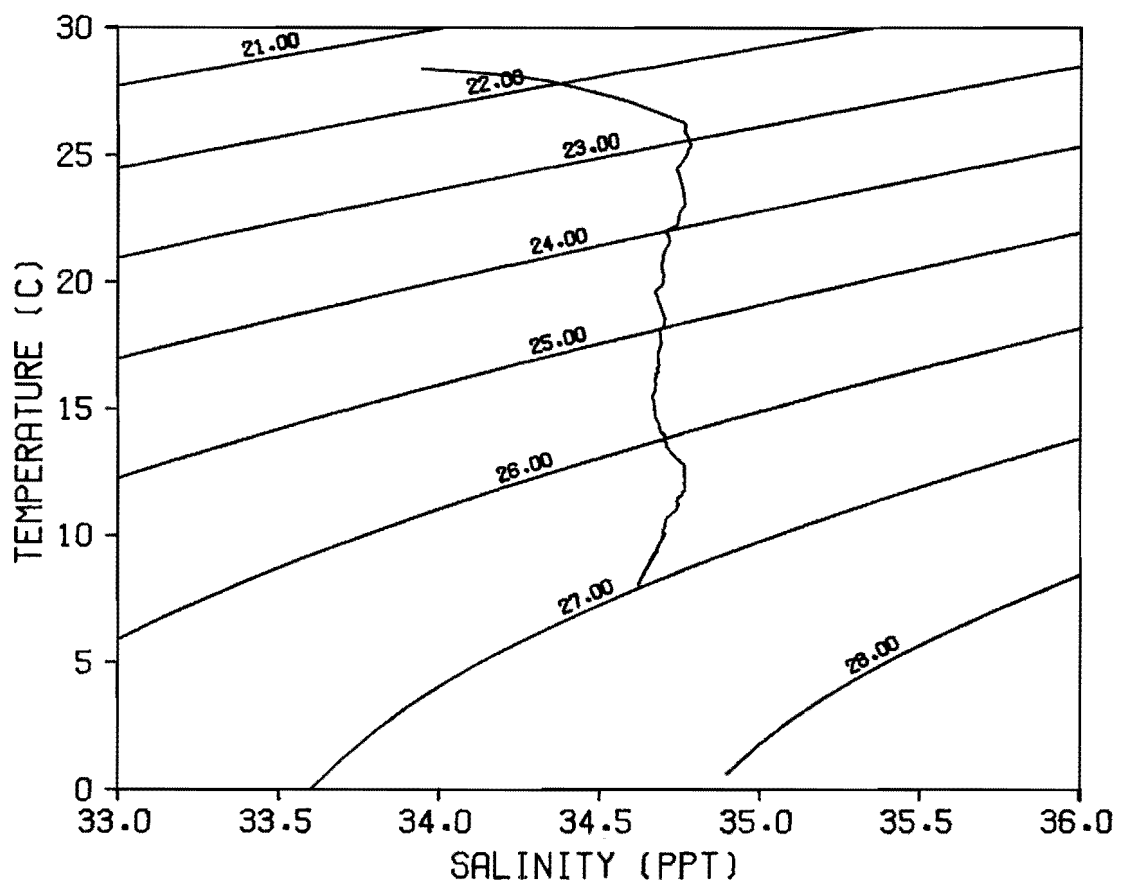


CAST 194-79-05-J11 DATE 30 MAY 79 TIME 2303 GMT
 LAT 07 00.2N LONG 110 01.0W SEA STATE 6
 WIND DIR 200 T SPD 20 KT VISIBILITY 7 M
 WAVE DIR 200 T HGT 3.0 WET 24.0 DEPTH 7 M
 CLOUD 6 AMOUNT 3 DRY 27.4



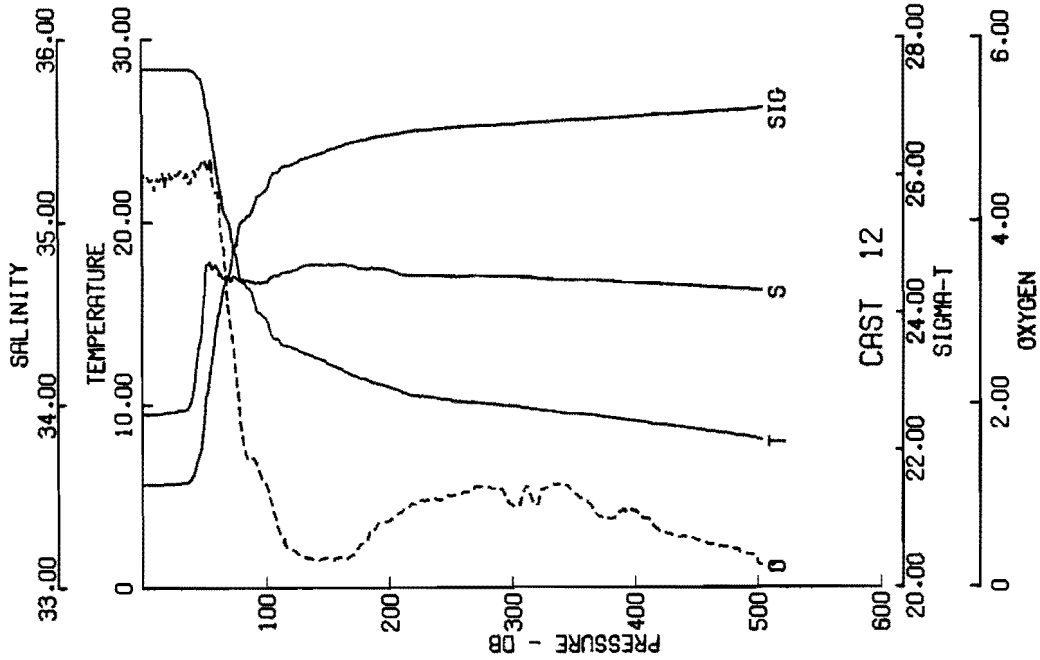
PRES (DB)	TEMP (C)	SAL (FPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.382	33.799	4.46	21.386	.000
10	28.375	33.805	4.49	21.389	.064
20	28.355	33.827	4.36	21.416	.124
30	28.328	33.828	4.38	21.426	.192
40	28.268	33.871	4.42	21.477	.256
50	24.805	34.350	4.05	22.929	.313
60	19.756	34.697	3.01	24.612	.384
70	17.930	34.653	2.66	25.061	.411
80	17.478	34.720	1.98	25.616	.434
100	14.679	34.756	.54	25.843	.455
110	13.207	34.796	.54	26.211	.474
120	12.865	34.835	.63	26.310	.492
130	12.571	34.836	.63	26.349	.509
140	12.462	34.825	.67	26.381	.526
150	12.323	34.822	.68	26.407	.543
160	12.046	34.802	.72	26.448	.559
170	11.792	34.789	.66	26.483	.576
180	11.733	34.793	.72	26.510	.608
190	11.553	34.759	.85	26.548	.701
200	11.333	34.723	.95	26.598	.774
250	10.454	34.681	.63	26.752	.912
300	9.479	34.657	.27	26.810	.978
350	9.005	34.634	.17	26.868	.040
400	8.509	34.600	.15	26.920	.120
450	7.701	34.573	.15	27.014	.156
500	6.335	34.562	.22	27.080	.209
550	6.028	34.556	.25	27.133	.260
600	5.747	34.556	.32	27.221	.305
650	5.386	34.559	.56	27.290	.351
700	5.067	34.561	.82	27.339	.401
750	4.820	34.567	1.06	27.369	.444
800	4.564	34.567	1.08	27.403	.486
850				27.403	.526
900					
950					
1000					
1001					

CAST EP4-79-0C-012 DATE 31 MAY 79 TIME 0233 GMT
LAT 06 30.0N LONG 110 00.0W

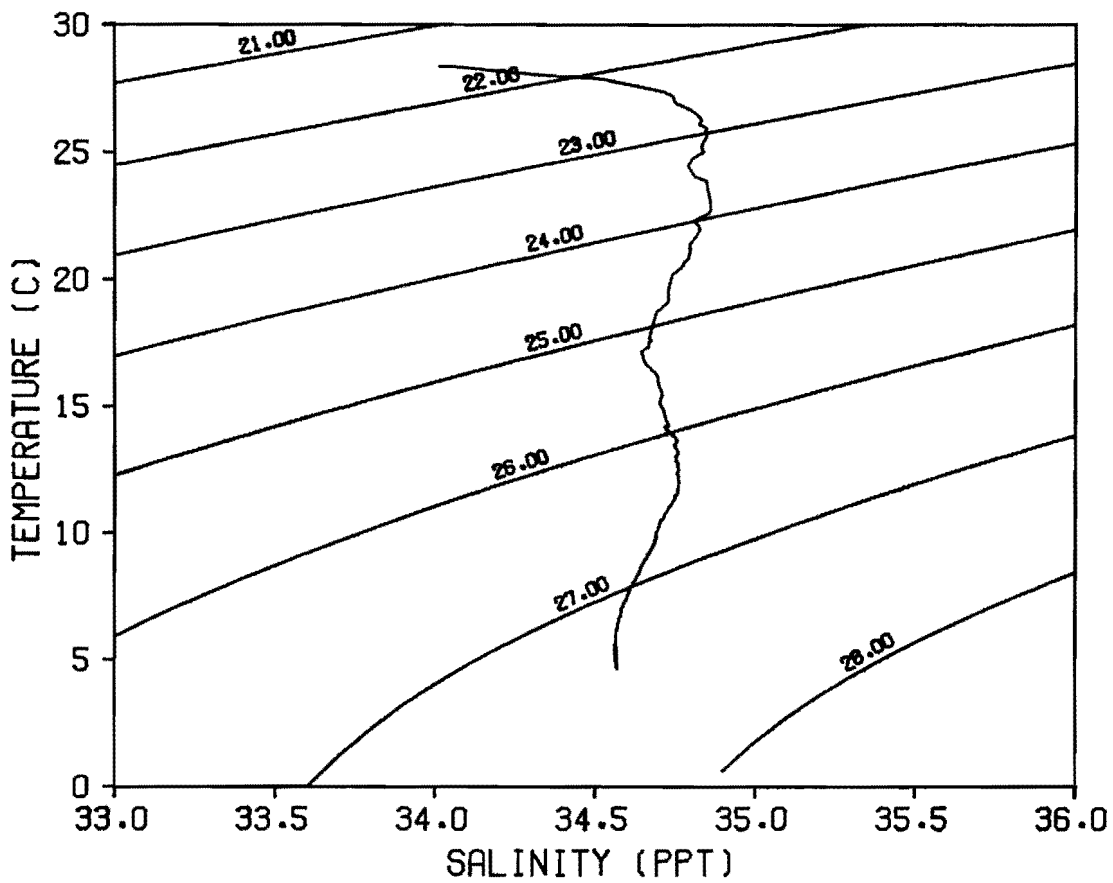


CAST FP4-79-DC-012 DATE 31 MAY 79 TIME 0233 GMT
 LAT 06 30.0N LONG 110 00.04 WEATHER 1 SEA STATE F
 BAROMETER 11 WIND SPD 12 KT VISIBILITY 6
 CLOUD 6 AMOUNT 3 DRY 26.4 WET 23.3 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	8.368	33.948	4.44	21.505	.009
10	28.362	33.948	4.520	21.513	.063
20	28.355	33.959	4.555	21.522	.129
30	28.338	34.041	4.638	22.428	.311
40	22.705	34.750	4.325	23.847	.358
50	16.782	34.684	1.69	25.571	.425
60	14.674	34.675	1.413	25.341	.451
70	13.585	34.709	.61	25.809	.495
80	13.172	34.750	.34	26.168	.514
90	12.599	34.767	.300	26.252	.532
100	12.246	34.767	.323	26.379	.550
110	11.967	34.766	.350	26.494	.574
120	11.607	34.759	.350	26.523	.616
130	11.311	34.744	.68	26.570	.631
140	10.918	34.736	1.70	26.599	.748
150	9.915	34.699	1.89	26.750	.798
160	9.457	34.680	1.82	26.812	.855
170	8.640	34.666	.83	26.914	.919
180	8.129	34.627	.51	26.981	.982
190	8.075	34.624	.24	26.987	1.042

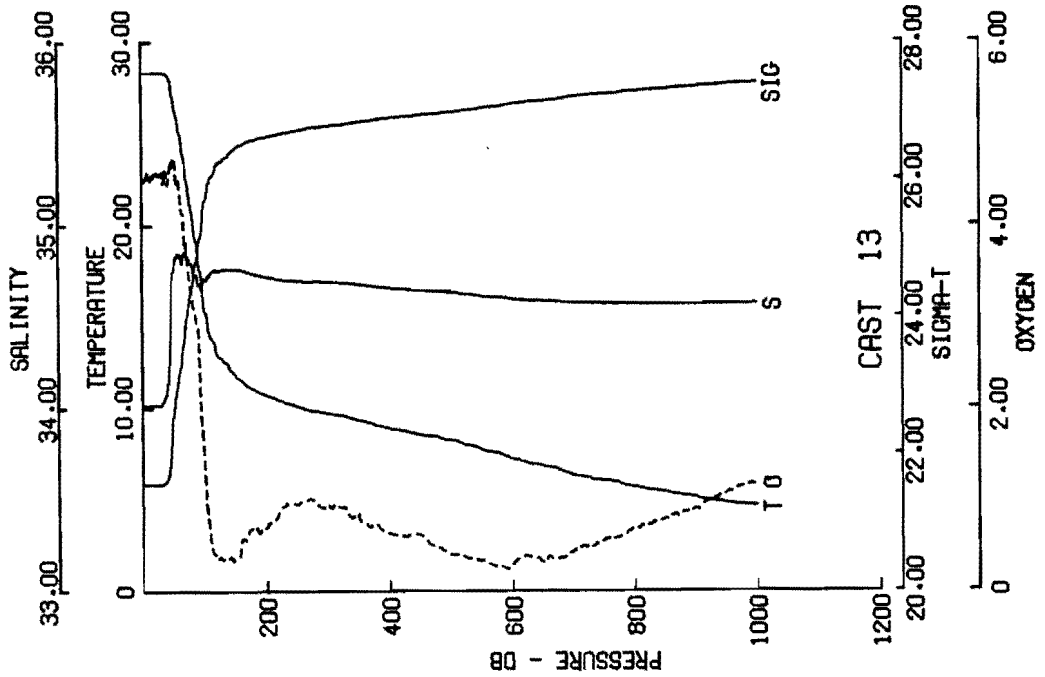


CAST EP4-79-0C-013 DATE 31 MAY 79 TIME 0557 GMT
LAT 06 00.ON LONG 110 00.OW

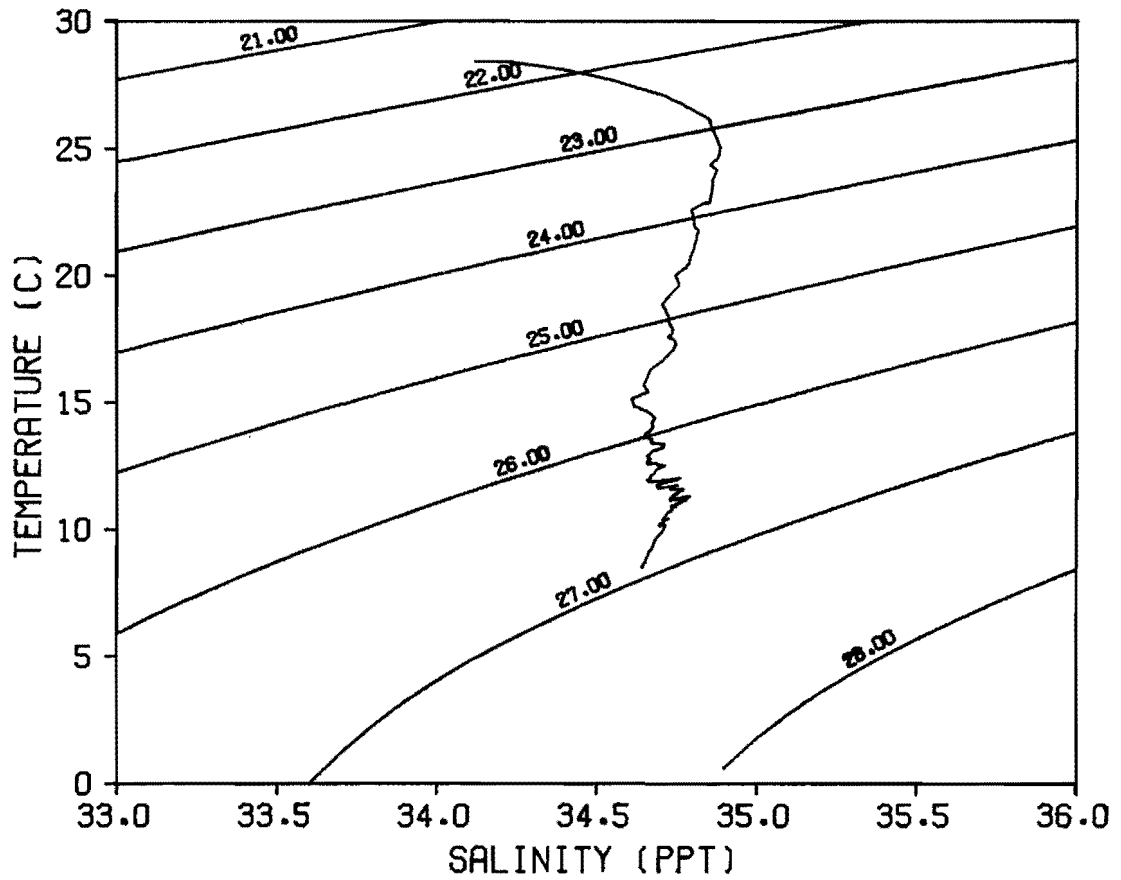


CAST EP4-79-0C-013 DATE 31 MAY 79 TIME 0557 GMT
 LAT 06 00.0N LONG 110 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 13.1 WIND DIR 200 T SPD 09 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 26.0 WET 23.9 DEPTH M

DEPTH (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-S
0	28.347	34.014	4.49	21.559	.000
10	28.342	34.015	4.56	21.558	.063
20	28.334	34.015	4.51	21.558	.125
30	28.308	34.015	4.49	21.558	.188
40	27.991	34.015	4.47	21.558	.250
50	27.011	34.015	4.42	21.558	.309
60	22.189	34.015	4.38	21.558	.359
70	20.863	34.015	4.31	21.558	.403
80	18.024	34.015	4.17	21.558	.441
90	15.325	34.015	4.01	21.558	.474
100	13.872	34.015	3.84	21.558	.501
110	12.980	34.015	3.64	21.558	.522
120	12.638	34.015	3.52	21.558	.542
130	12.313	34.015	3.37	21.558	.560
140	11.832	34.015	3.26	21.558	.577
150	11.532	34.015	3.17	21.558	.594
160	11.232	34.015	3.07	21.558	.610
170	11.059	34.015	2.97	21.558	.625
180	10.857	34.015	2.87	21.558	.640
190	10.713	34.015	2.77	21.558	.650
200	10.571	34.015	2.67	21.558	.670
250	9.716	34.015	2.55	21.558	.741
300	8.810	34.015	2.40	21.558	.810
350	8.101	34.015	2.22	21.558	.876
400	7.526	34.015	2.03	21.558	.931
450	7.099	34.015	1.82	21.558	1.001
500	6.835	34.015	1.60	21.558	1.061
550	6.571	34.015	1.37	21.558	1.117
600	6.312	34.015	1.14	21.558	1.175
650	6.068	34.015	0.90	21.558	1.228
700	5.835	34.015	0.65	21.558	1.278
750	5.612	34.015	0.40	21.558	1.326
800	5.404	34.015	0.15	21.558	1.373
850	5.125	34.015	0.00	21.558	1.418
900	4.800	34.015	0.00	21.558	1.461
950	4.556	34.015	0.00	21.558	1.503
999	4.556	34.015	0.00	21.558	1.503

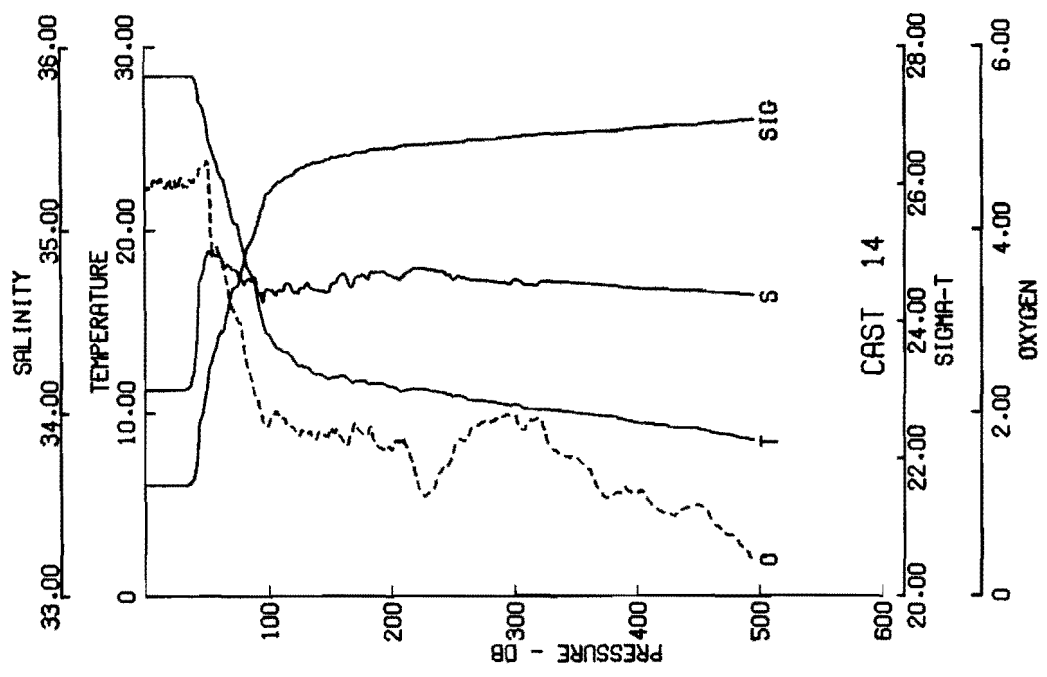


CAST EP4-79-0C-014 DATE 31 MAY 79 TIME 0946 GMT
LAT 05 30.0N LONG 110 00.0W

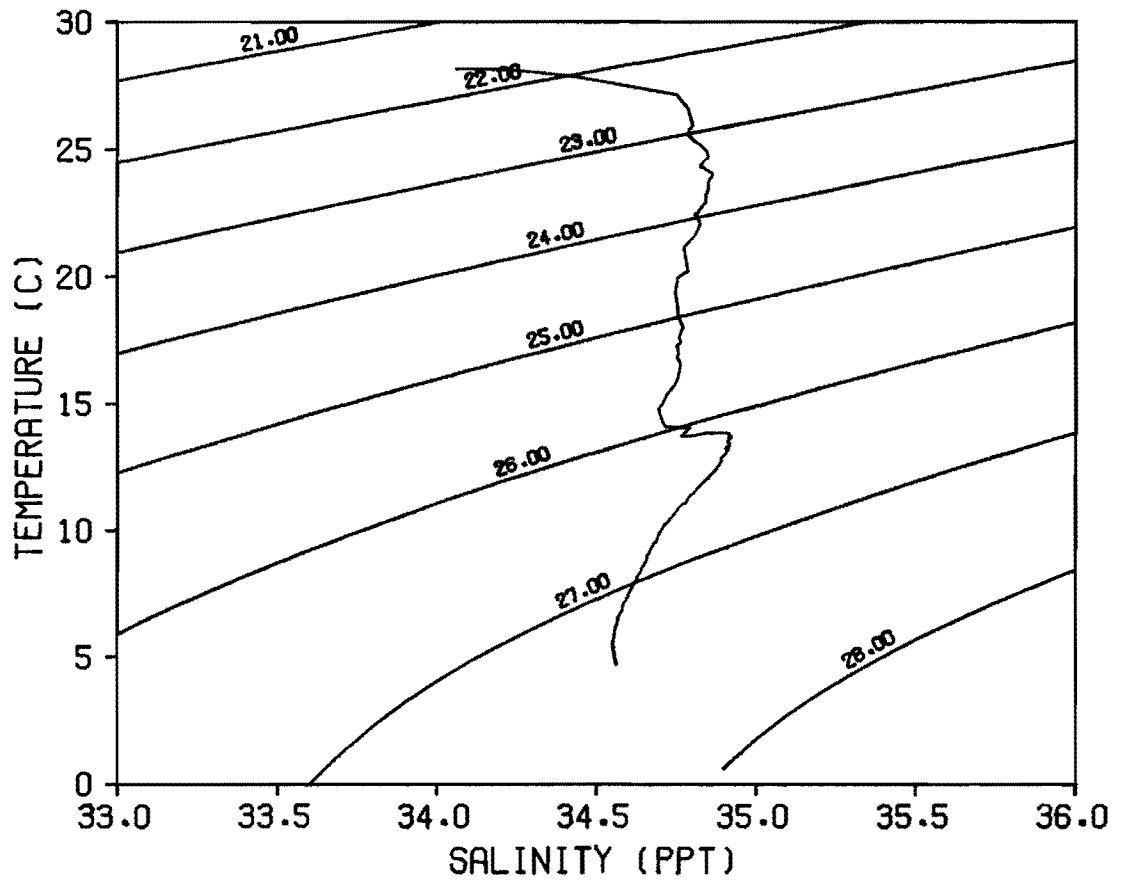


CAST EP4-79-0C-014 DATE 31 MAY 79 TIME 0946 GMT
 LAT 05 30 N LONG 118 00 W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND SPD 12 KT VISIBILITY 2
 CLOUD X AMOUNT 2 DPY 26.2 WFT 22.8 DEPTH M

PRFS (DB)	TEMP (C)	SAL (PPT)	CHY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.417	34.123	4.46	21.615	.000
10	28.427	34.123	4.57	21.616	.062
20	28.427	34.127	4.53	21.617	.196
30	28.309	34.263	4.58	21.618	.246
40	28.309	34.263	4.76	21.621	.302
50	28.309	34.263	4.76	21.621	.340
60	28.309	34.263	4.76	21.621	.340
70	28.309	34.263	4.76	21.621	.340
80	28.309	34.263	4.76	21.621	.340
90	28.309	34.263	4.76	21.621	.340
100	28.309	34.263	4.76	21.621	.340
110	28.309	34.263	4.76	21.621	.340
120	28.309	34.263	4.76	21.621	.340
130	28.309	34.263	4.76	21.621	.340
140	28.309	34.263	4.76	21.621	.340
150	28.309	34.263	4.76	21.621	.340
160	28.309	34.263	4.76	21.621	.340
170	28.309	34.263	4.76	21.621	.340
180	28.309	34.263	4.76	21.621	.340
190	28.309	34.263	4.76	21.621	.340
200	28.309	34.263	4.76	21.621	.340
250	28.309	34.263	4.76	21.621	.340
300	28.309	34.263	4.76	21.621	.340
350	28.309	34.263	4.76	21.621	.340
400	28.309	34.263	4.76	21.621	.340
450	28.309	34.263	4.76	21.621	.340
495	28.309	34.263	4.76	21.621	.340

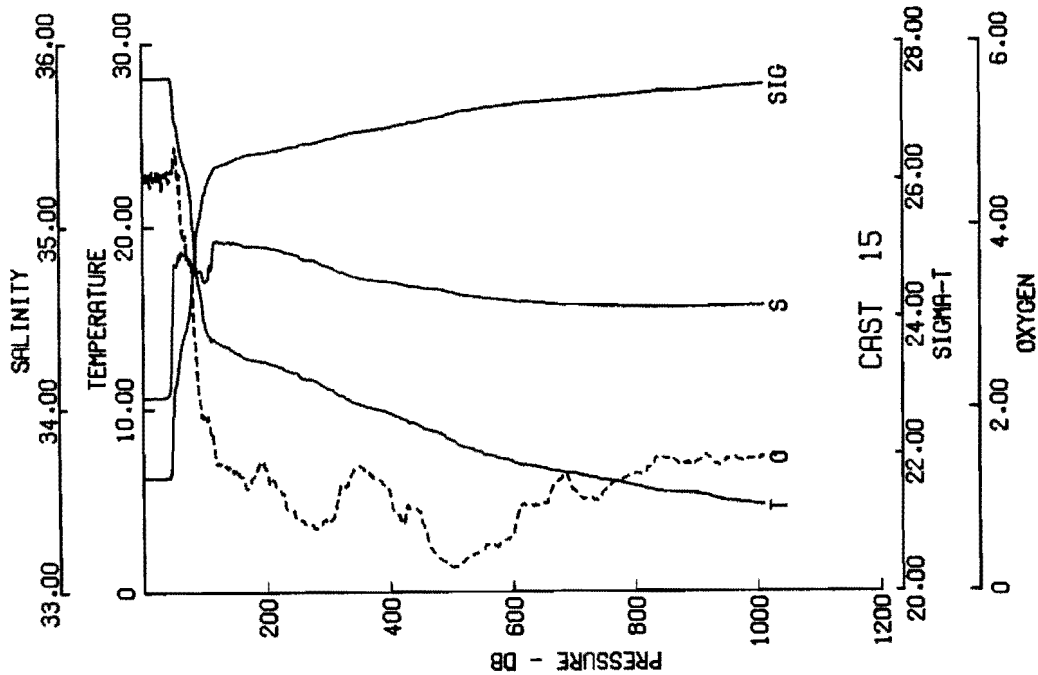


CAST EP4-79-0C-015 DATE 31 MAY 79 TIME 1315 GMT
LAT 04 58.0N LONG 110 01.1W

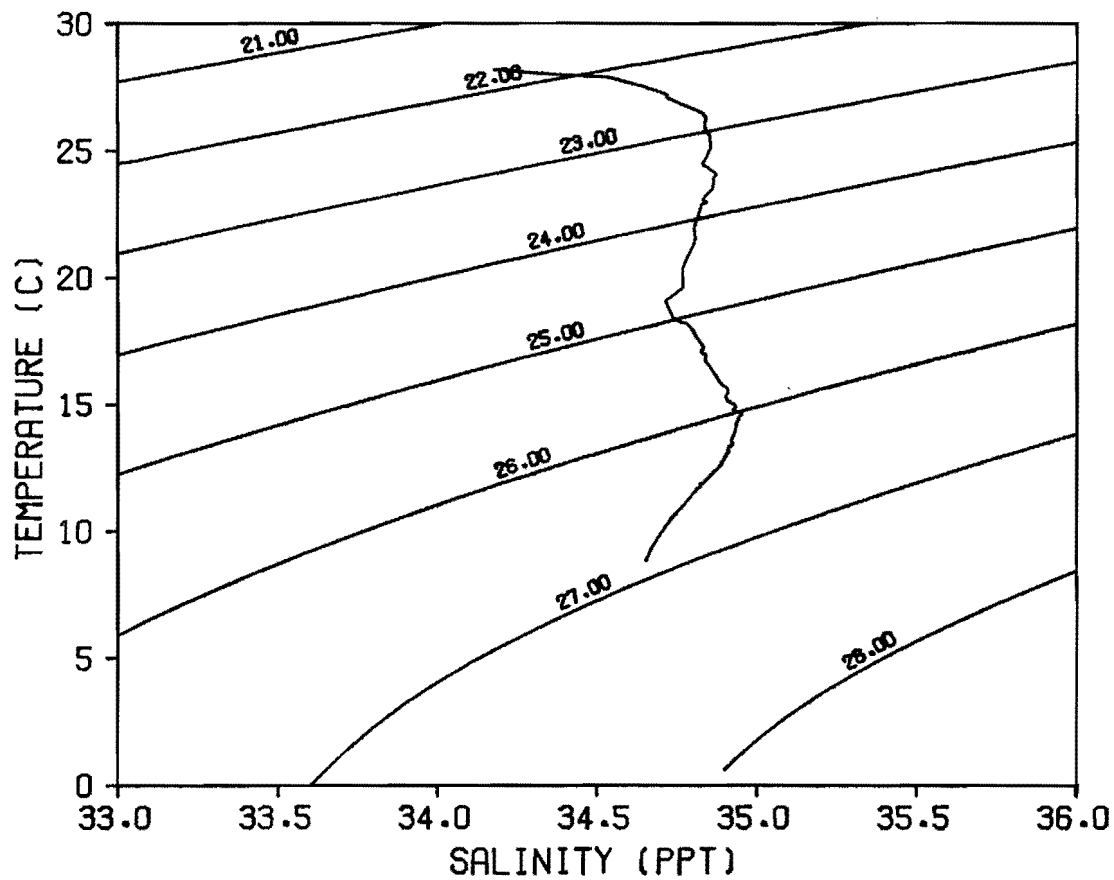


CAST 154-79-0C-015 DATE 31 MAY 79 TIME 1315 GMT
 LAT 04 58.0N LONG 110 01.1W WEATHER 1 SEA STATE 4
 BAROMETER 11 WIND DIR 190 KT SPD 09 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 25.5 WET 22.6 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.138	34.063	4.49	21.664	.000
10	28.145	34.064	4.49	21.665	.062
20	28.147	34.064	4.50	21.662	.123
30	28.149	34.066	4.54	21.663	.147
40	26.529	34.787	4.73	22.704	.306
50	26.329	34.825	4.16	23.430	.354
70	23.014	34.843	3.67	23.829	.398
80	19.944	34.754	3.31	24.602	.464
90	16.751	34.696	2.17	25.402	.488
100	13.684	34.676	1.90	25.824	.509
110	13.680	34.923	1.39	26.022	.528
120	13.684	34.914	1.40	26.273	.546
130	13.350	34.911	1.37	26.275	.564
140	13.128	34.901	1.26	26.315	.582
150	12.941	34.892	1.11	26.375	.599
160	12.756	34.892	1.27	26.386	.613
170	12.701	34.888	1.41	26.400	.630
180	12.619	34.888	1.39	26.409	.647
200	11.968	34.845	1.39	26.492	.749
300	11.087	34.717	1.37	26.607	.927
350	10.251	34.695	1.08	26.773	.970
400	9.764	34.664	1.08	26.866	.036
450	9.273	34.636	.27	26.966	1.098
500	7.592	34.608	.44	27.046	1.155
600	7.132	34.587	.62	27.143	1.210
650	6.432	34.577	.96	27.177	1.312
700	6.064	34.559	1.10	27.355	1.361
800	5.740	34.555	1.25	27.294	1.409
850	5.410	34.553	1.41	27.306	1.454
900	5.314	34.557	1.41	27.354	1.499
950	4.928	34.557	1.41	27.381	1.542
1000	4.716	34.564	1.47	27.385	1.583

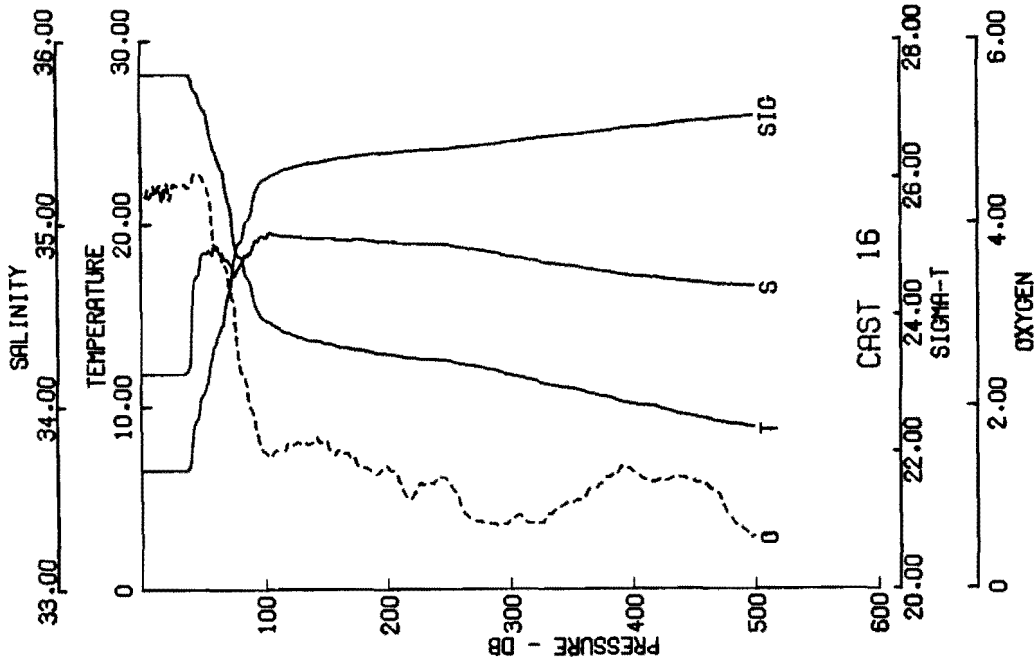


CAST EP4-79-0C-016 DATE 31 MAY 79 TIME 1641 GMT
LAT 04 30.0N LONG 110 00.0W

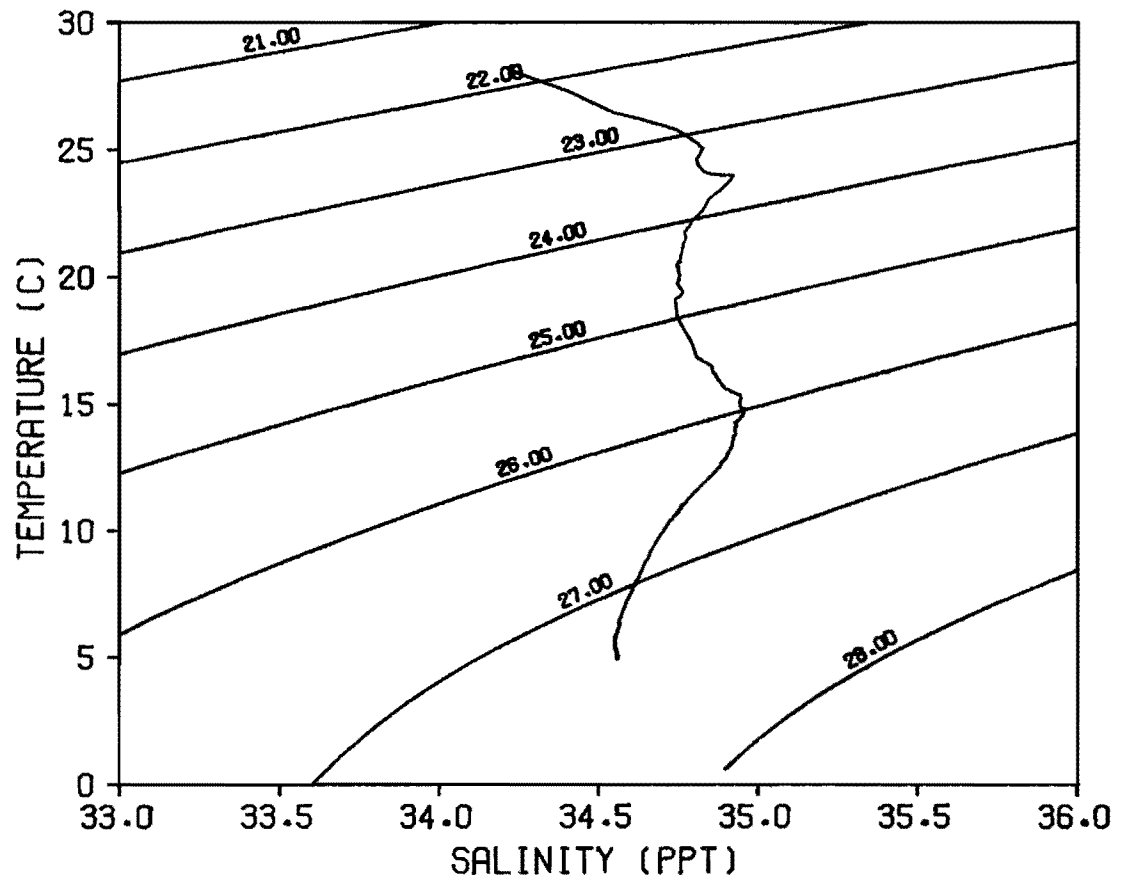


CAST EPA-79-0C-016 DATE 31 MAY 79 TIME 1641 GMT
 LAT 04 30.0N LONG 110 00.0W WEATHER 1 VSEA STATE 3
 BAROMETER 12 WIND DIR 170 T SPD 09 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 27.2 WET 23.8

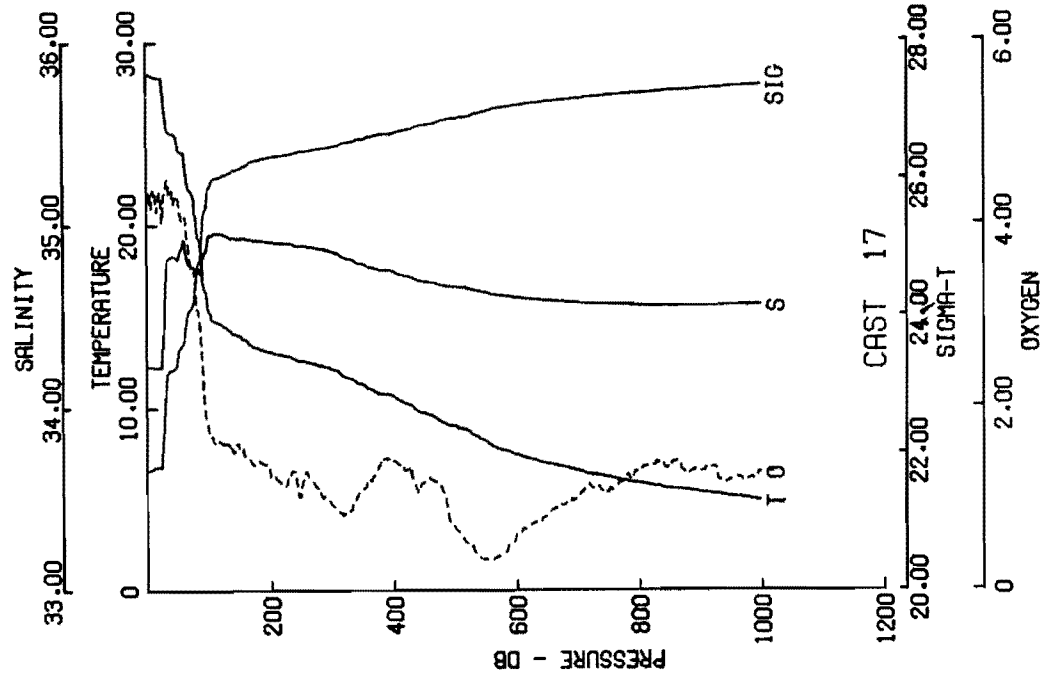
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.169	34.179	4.41	21.744	.000
10	28.165	34.181	4.44	21.743	.061
20	28.166	34.182	4.41	21.744	.122
30	28.105	34.237	4.44	21.813	.182
40	28.298	34.284	4.44	23.589	.242
50	28.259	34.286	4.47	23.589	.302
60	18.219	34.303	3.39	24.206	.362
70	16.175	34.378	2.94	25.642	.422
80	14.380	34.428	1.94	25.642	.482
90	14.380	34.428	1.94	26.080	.542
100	13.827	34.428	1.94	26.122	.602
110	13.475	34.428	1.94	26.256	.662
120	13.277	34.428	1.94	26.256	.722
130	13.277	34.428	1.94	26.256	.782
140	13.277	34.428	1.94	26.256	.842
150	13.277	34.428	1.94	26.256	.902
160	13.277	34.428	1.94	26.256	.962
170	13.277	34.428	1.94	26.256	1.022
180	13.277	34.428	1.94	26.256	1.082
190	13.277	34.428	1.94	26.256	1.142
200	13.277	34.428	1.94	26.256	1.202
250	12.869	34.880	1.78	26.420	1.366
300	11.715	34.766	1.58	26.520	1.530
350	10.953	34.711	1.28	26.620	1.694
400	10.107	34.654	1.17	26.720	1.858
450	8.622	34.654	1.17	26.820	2.022
498	8.622	34.654	1.17	26.820	2.186



CAST EP4-79-0C-017 DATE 31 MAY 79 TIME 1859 GMT
LAT 04 00.0N LONG 110 01.0W

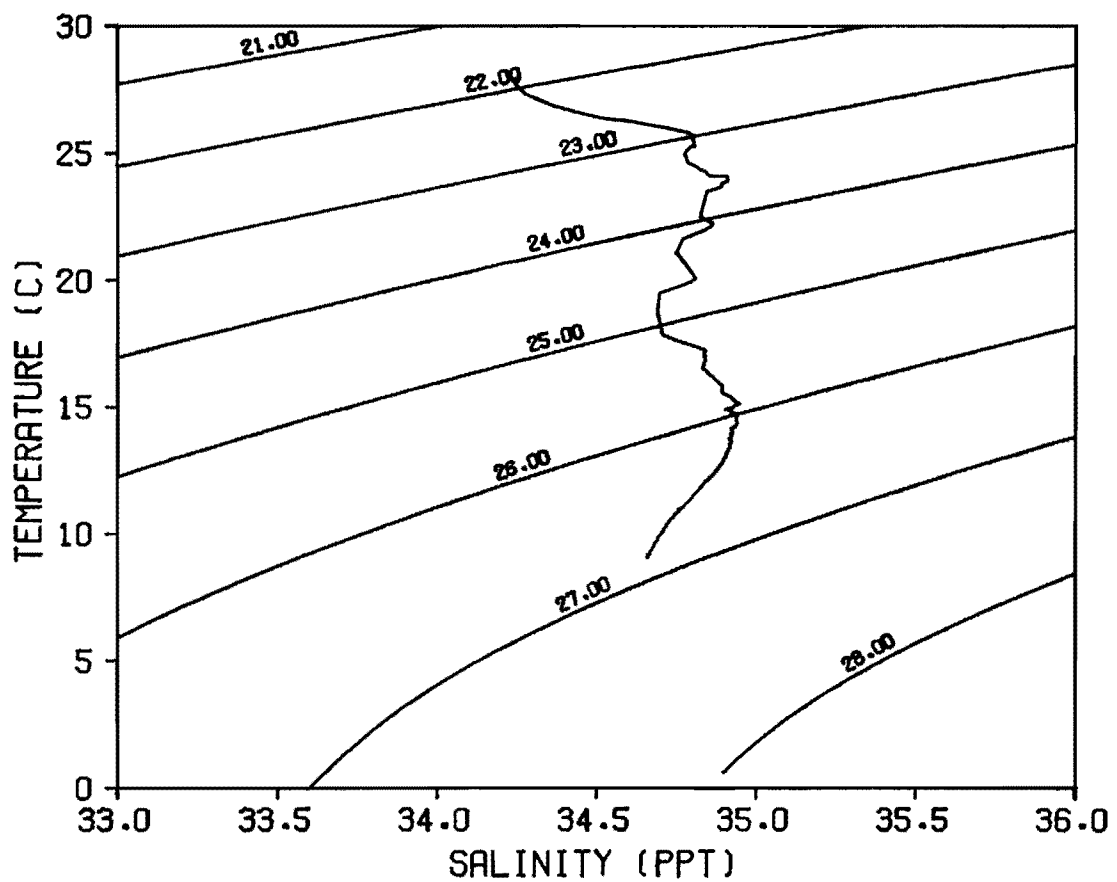


CAST 64-79-DC-017 DATE 31 MAY 79 TIME 1859 GMT
 LAT 04 00.0M LONG 110 01.0W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 175 T SPD 12 KT VISIBILITY 4
 CLOUD 6 AMOUNT 6 DAY 27.0 WET 33.5 DEPTH M



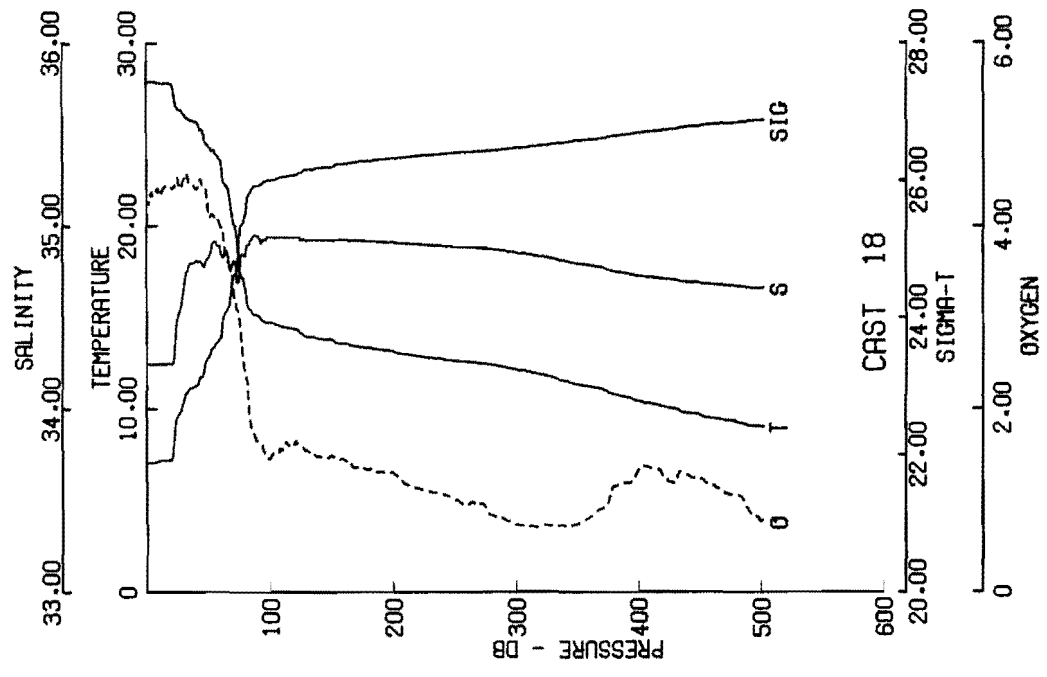
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.198	34.228	4.27	21.768	.000
10	27.190	34.224	4.258	21.765	.061
20	26.096	34.222	4.236	21.800	.121
30	25.046	34.634	4.239	22.716	.179
40	24.379	34.814	4.235	23.217	.277
50	23.835	34.918	4.206	23.646	.357
60	23.481	34.780	4.157	24.102	.427
70	23.675	34.749	3.970	24.635	.488
80	23.788	34.809	2.734	25.438	.508
90	23.766	34.946	1.622	26.049	.547
100	23.714	34.955	1.161	26.150	.564
110	23.564	34.932	1.161	26.269	.602
120	23.414	34.930	1.161	26.311	.627
130	23.345	34.918	1.161	26.320	.687
140	23.345	34.908	1.161	26.476	.807
150	23.345	34.887	1.161	26.576	.962
160	23.345	34.853	1.161	26.661	1.099
170	23.345	34.786	1.161	26.784	1.161
180	23.345	34.743	1.161	26.878	1.272
190	23.345	34.680	1.161	26.978	1.373
200	23.345	34.657	1.161	27.065	1.469
250	23.345	34.571	1.161	27.164	1.513
300	23.345	34.571	1.161	27.207	1.513
350	23.345	34.565	1.161	27.275	1.513
400	23.345	34.553	1.161	27.301	1.513
450	23.345	34.553	1.161	27.333	1.513
500	23.345	34.553	1.161	27.357	1.513
550	23.345	34.553	1.161	27.357	1.513
600	23.345	34.553	1.161	27.357	1.513
650	23.345	34.553	1.161	27.357	1.513
700	23.345	34.553	1.161	27.357	1.513
750	23.345	34.553	1.161	27.357	1.513
800	23.345	34.553	1.161	27.357	1.513
850	23.345	34.553	1.161	27.357	1.513
900	23.345	34.553	1.161	27.357	1.513
950	23.345	34.553	1.161	27.357	1.513
997	23.345	34.553	1.161	27.357	1.513

CAST EP4-79-0C-018 DATE 01 JUN 79 TIME 0056 GMT
LAT 03 31.6N LONG 110 01.0W

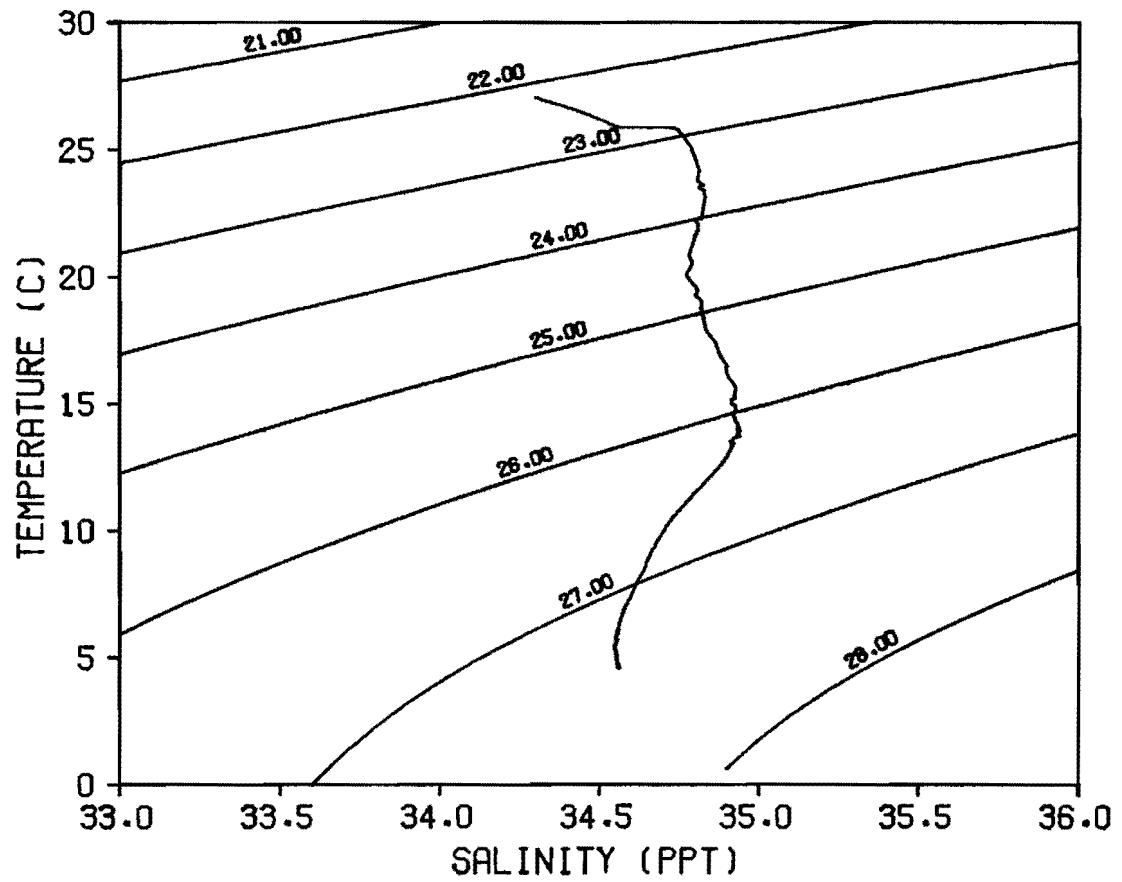


CAST EP4-79-DC-018 DATE 01 JUN 79 TIME 0056 GMT
 LAT 03 31.6N LONG 110 01.0W WEATHER 1 SEA STATE 4
 BAROMETER 10 WIND DIR 170 T SPD 10 KT VISIBILITY 7
 CLOUD 1 AMOUNT 3 DRY 25.3 WET 22.4 DEPTH M

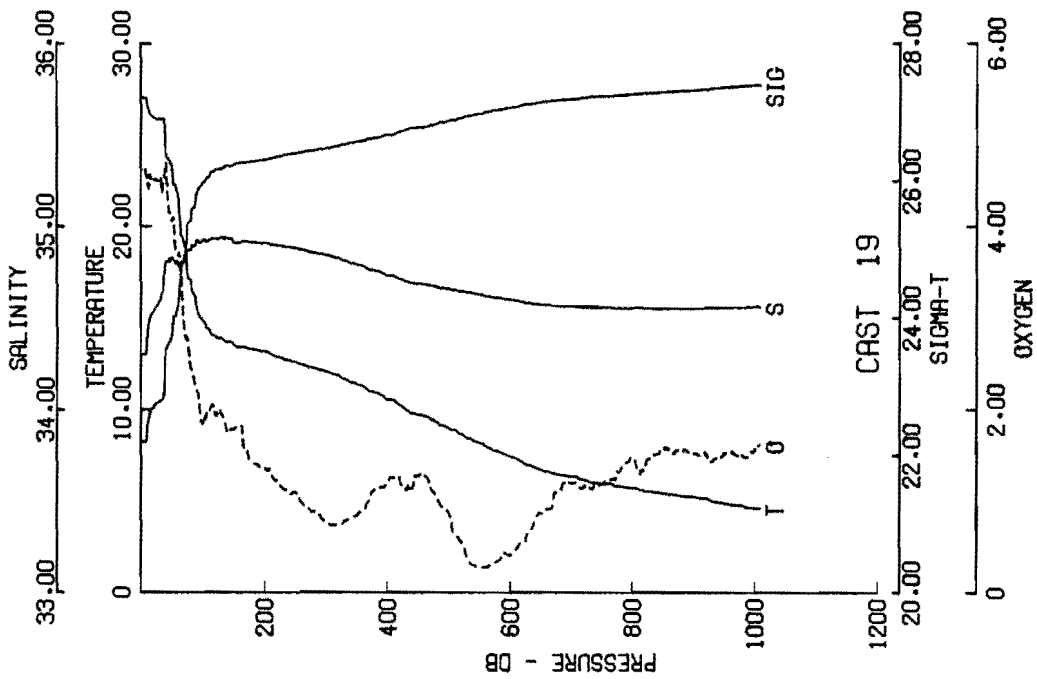
PRES (DB)	TEMP (C)	SAL (PPT)	NOXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.489	34.245	4.36	21.882	.000
10	27.316	34.244	4.42	21.907	.009
20	27.136	34.244	4.51	21.921	.119
30	26.978	34.242	4.40	21.749	.222
40	25.678	34.806	4.10	23.006	.273
50	23.349	34.823	3.37	23.466	.313
60	20.147	34.804	2.37	24.503	.381
70	16.703	34.834	1.64	25.923	.402
80	15.709	34.943	1.46	26.005	.443
90	14.484	34.942	1.53	26.081	.463
100	14.370	34.922	1.54	26.158	.483
110	13.325	34.924	1.49	26.192	.500
120	13.279	34.923	1.45	26.197	.539
130	13.561	34.919	1.33	26.285	.555
140	13.408	34.915	1.33	26.298	.593
150	13.315	34.911	1.30	26.313	.611
160	13.215	34.909	1.30	26.366	.697
170	13.134	34.885	1.07	26.466	.791
180	12.625	34.851	1.73	26.574	.937
190	12.131	34.792	1.73	26.686	.953
200	11.412	34.726	1.73	26.782	.953
250	9.671	34.667	1.78	26.866	1.009
300	9.026	34.662	.78	26.866	1.074
350					
400					
450					
500					
502					



CAST EP4-79-0C-019 DATE 01 JUN 79 TIME 0430 GMT
LAT 03 00.0N LONG 110 00.0W

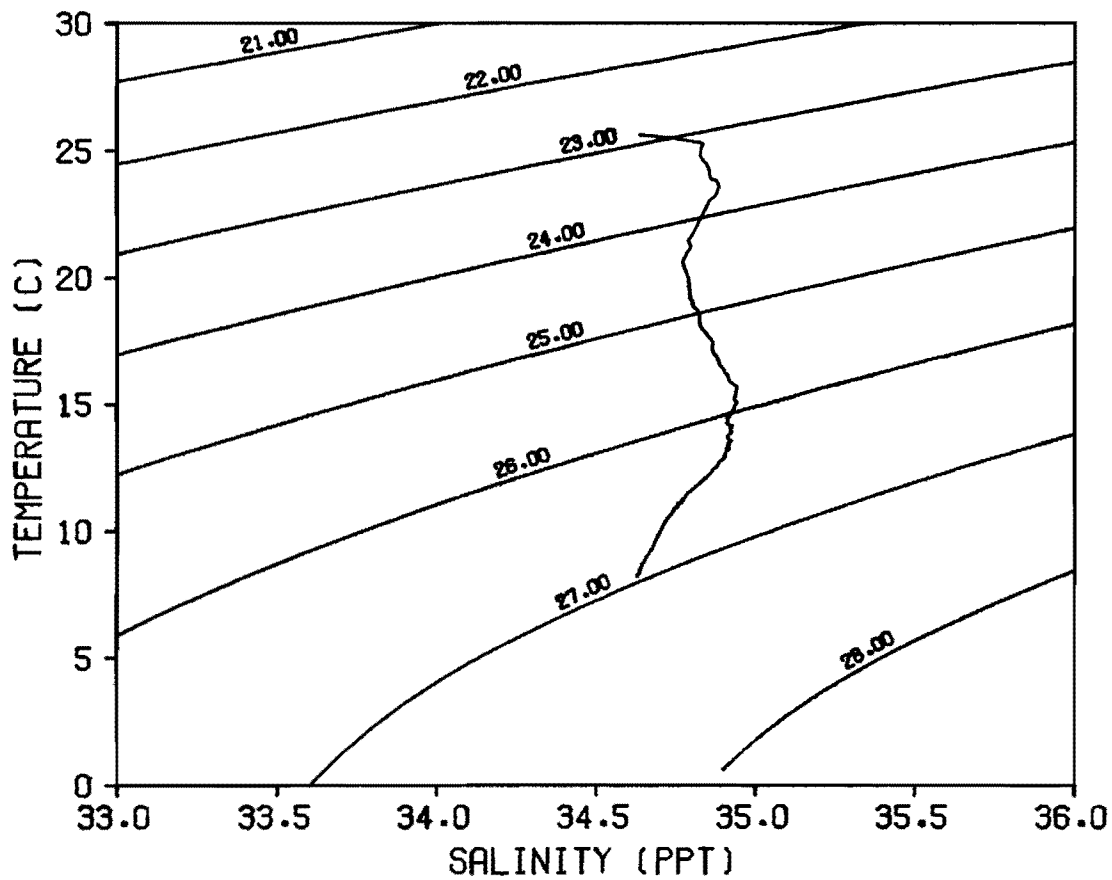


CAST FP4-79-DC-019 DATE 01 JUN 79 TIME 0430 GMT
 LAT 03 00 ON LONG 110 00.00 WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 02.5 T SPD 11.8 VISIBILITY 7
 CLOUD R AMOUNT 3 DRY 24.9 WET 22.0 MET 22.0 DEPTH M



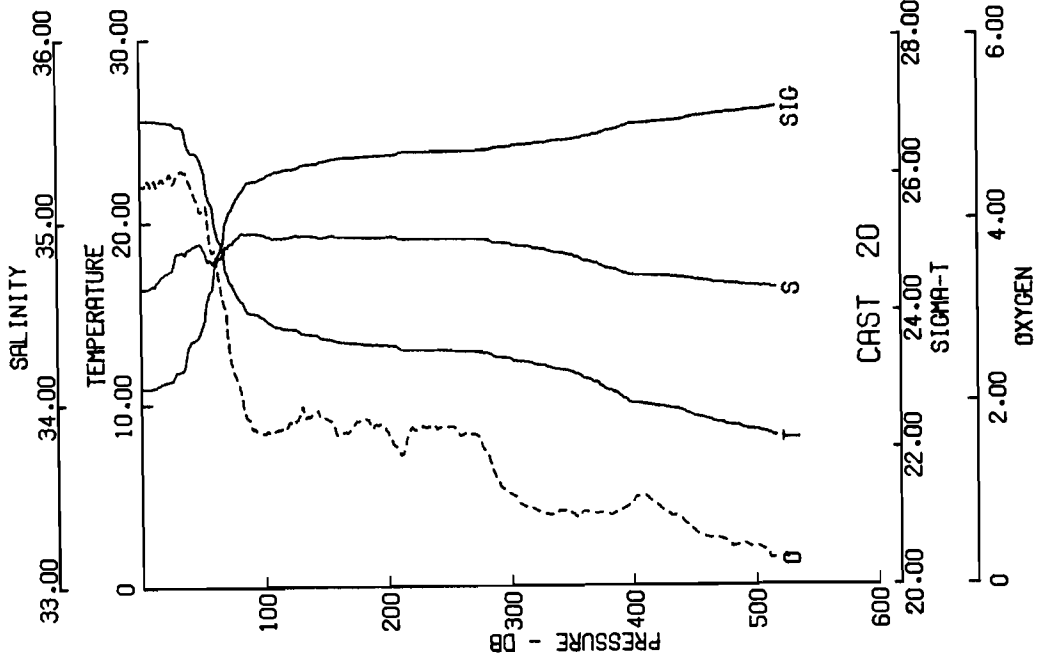
PRES (DB)	TEMP (C)	SAL (PPT)	OMY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.042	34.300	4.54	22.196	.000
10	26.686	34.394	4.55	22.380	.056
20	26.018	34.527	4.52	22.690	.160
30	25.888	34.590	4.70	22.772	.210
40	24.157	34.813	4.05	23.472	.253
50	23.258	34.822	3.88	23.739	.292
60	21.574	34.802	3.87	24.176	.326
70	18.061	34.820	2.46	24.909	.354
80	15.549	34.929	2.19	25.418	.378
90	14.841	34.927	1.66	25.812	.398
100	14.368	34.926	1.69	26.068	.418
110	13.880	34.937	1.92	26.159	.438
120	13.490	34.942	1.74	26.182	.457
130	13.693	34.938	1.79	26.221	.476
140	13.549	34.919	1.81	26.235	.494
150	13.402	34.913	1.81	26.261	.512
160	13.303	34.920	1.53	26.286	.549
170	13.205	34.912	1.52	26.298	.584
180	13.177	34.914	1.37	26.307	.671
200	13.177	34.913	1.37	26.401	.754
250	12.595	34.884	1.08	26.473	.810
300	12.066	34.793	1.08	26.568	.910
350	11.564	34.761	1.75	26.677	.982
400	11.054	34.733	1.84	26.777	1.048
450	9.707	34.689	1.26	26.877	1.110
500	8.977	34.659	1.26	26.977	1.167
550	8.170	34.630	2.87	27.065	1.220
600	7.418	34.600	2.87	27.146	1.271
650	6.691	34.573	2.86	27.189	1.319
700	6.313	34.555	2.71	27.234	1.356
750	5.327	34.552	2.71	27.260	1.411
800	5.098	34.551	2.71	27.293	1.455
850	5.312	34.551	2.71	27.316	1.497
900	5.270	34.554	2.71	27.358	1.538
950	4.879	34.554	2.71	27.397	1.538
1000	4.578	34.560	2.71	27.396	1.538

CAST EP4-79-0C-020 DATE 01 JUN 79 TIME 0942 GMT
LAT 02 33.0N LONG 110 00.9W

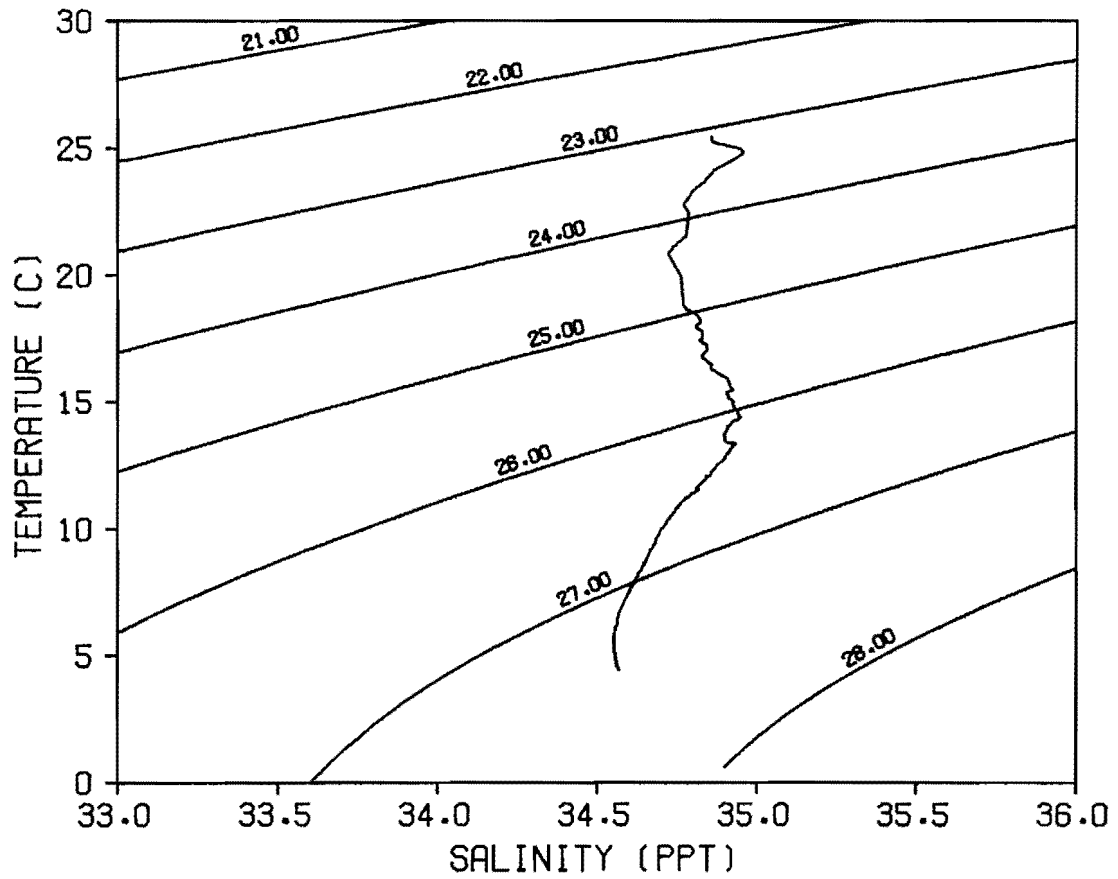


CAST EP4-79-NC-020 DATE 01 JUN 79 TIME 0942 GMT
 LAI 02 33.0N LONG 110 00.9W WEATHER 1 SEA STATE 4
 BAROMETR 11 WIND DIR 140 T SPD 06 KT VISIBILITY 6
 CLOUD 6 AMOUNT 3 DRY 23.8 WET 22.2 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	25.607	34.636	4.44	22.899	.000
10	25.591	34.657	4.45	22.920	.050
20	25.504	34.721	4.44	23.115	.099
30	25.286	34.831	4.54	23.175	.147
40	23.867	34.858	4.42	23.292	.193
50	23.013	34.792	4.13	23.693	.273
60	19.640	34.893	2.74	25.470	.302
70	15.749	34.940	1.72	25.940	.326
80	15.012	34.931	1.68	26.000	.349
90	14.282	34.917	1.60	26.077	.399
100	13.920	34.924	1.89	26.109	.404
110	13.816	34.917	1.89	26.163	.427
120	13.594	34.915	1.84	26.225	.446
130	13.336	34.915	1.62	26.261	.481
140	13.300	34.912	1.83	26.261	.501
150	13.249	34.916	1.76	26.282	.519
160	13.213	34.905	1.74	26.302	.555
180	12.933	34.874	1.00	26.349	.643
200	12.464	34.810	.79	26.419	.729
250	11.327	34.774	.59	26.518	.812
300	9.248	34.640	.42	26.742	.897
350	8.511	34.630	.30	26.842	.956
400				26.914	1.019
450					
500					
516					

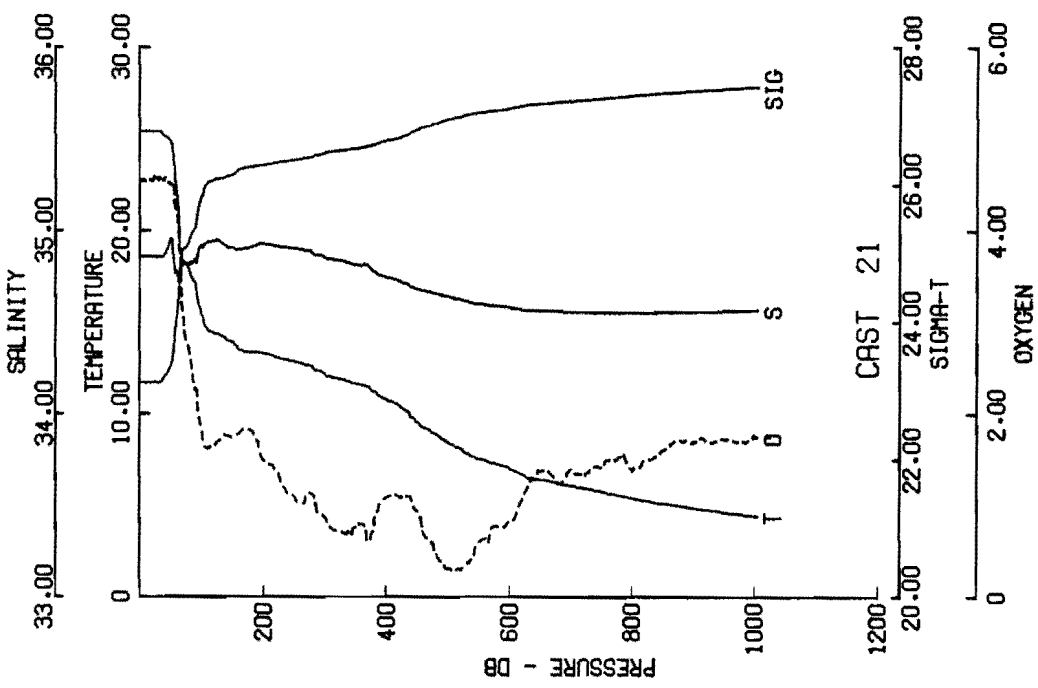


CAST EP4-79-0C-021 DATE 01 JUN 79 TIME 1428 GMT
LAT 02 01.0N LONG 110 01.5W

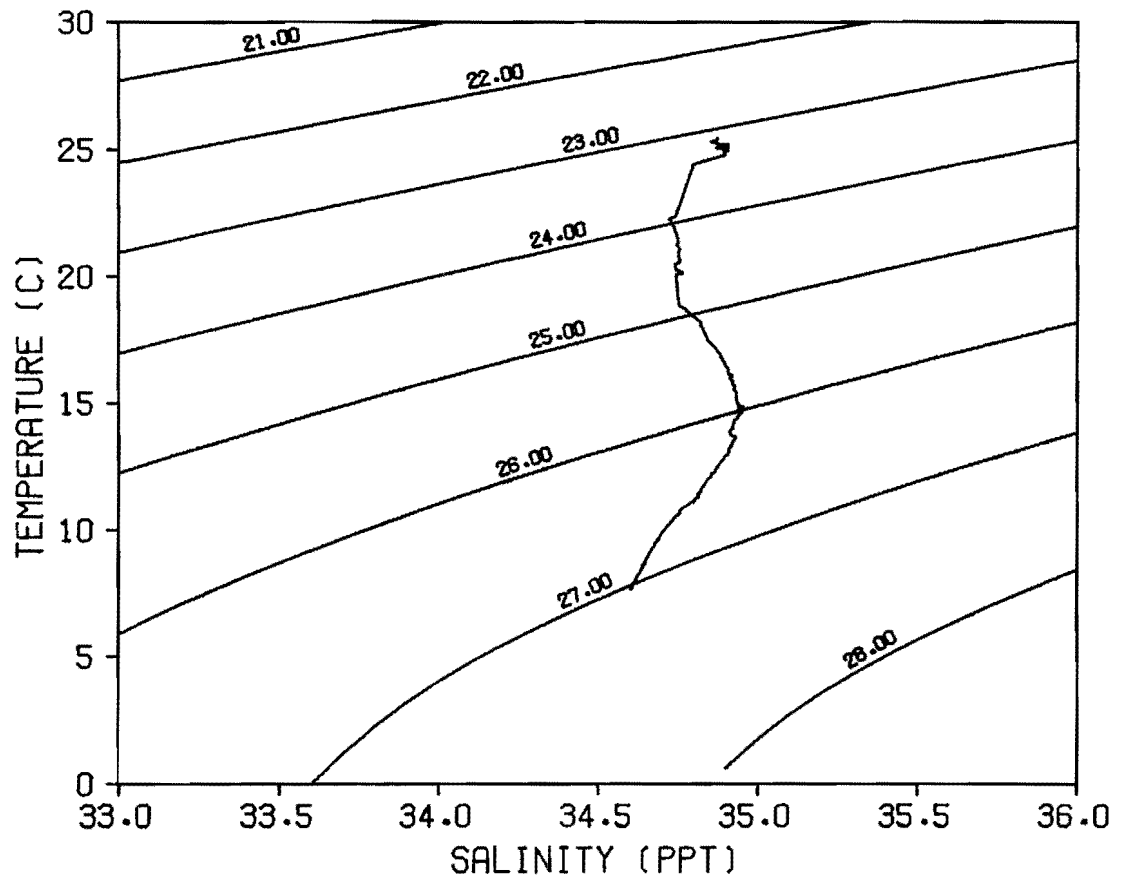


CAST EP4-79-0C-021 DATE 01 JUN 79 TIME 142R GMT
 LAT 02 01.0N LONG 110 01.5W WEATHER 0 SEA STATE 4
 BAROMETER 11.1 M WIND DIR 170 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 24.2 WET 22.4

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	4.422	34.855	4.53	23.122	0.00
10	4.422	34.857	4.54	23.123	.048
20	4.421	34.858	4.55	23.124	.095
30	4.420	34.867	4.56	23.126	.143
40	4.418	34.892	4.57	23.127	.190
50	4.401	34.781	4.52	23.137	.237
60	4.349	34.814	4.50	23.148	.279
70	4.384	34.825	4.50	23.160	.312
80	4.375	34.846	4.50	23.172	.348
90	4.376	34.821	4.50	23.183	.382
100	4.367	34.941	4.50	23.195	.415
110	4.388	34.942	4.50	23.207	.452
120	4.388	34.917	4.50	23.219	.491
130	4.379	34.909	4.50	23.231	.530
140	4.333	34.899	4.50	23.243	.578
150	4.328	34.895	4.50	23.255	.626
160	4.329	34.915	4.50	23.267	.675
170	4.323	34.929	4.50	23.279	.723
180	4.313	34.904	4.50	23.291	.771
190	4.316	34.857	4.50	23.303	.819
200	4.317	34.812	4.50	23.315	.867
250	4.297	34.749	4.50	23.327	.915
300	4.261	34.660	4.50	23.339	.963
350	4.253	34.641	4.50	23.351	1.011
400	4.244	34.601	4.50	23.363	1.059
450	4.237	34.561	4.50	23.375	1.107
500	4.229	34.521	4.50	23.387	1.155
550	4.210	34.482	4.50	23.399	1.203
600	4.178	34.443	4.50	23.411	1.251
650	4.160	34.404	4.50	23.423	1.299
700	4.152	34.365	4.50	23.435	1.347
750	4.145	34.326	4.50	23.447	1.395
800	4.137	34.287	4.50	23.459	1.443
850	4.130	34.248	4.50	23.471	1.491
900	4.123	34.209	4.50	23.483	1.539
950	4.115	34.170	4.50	23.495	1.587
1000	4.106	34.131	4.50	23.507	1.635
1005				23.519	1.683

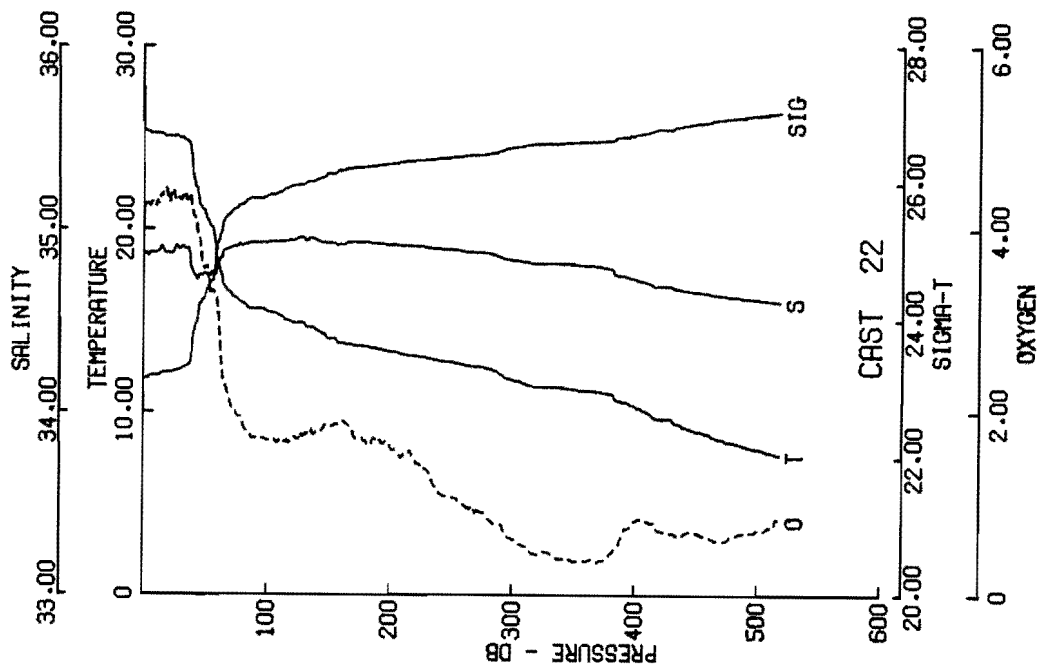


CAST EP4-79-0C-022 DATE 01 JUN 79 TIME 1932 GMT
LAT 01 29.7N LONG 110 00.0W

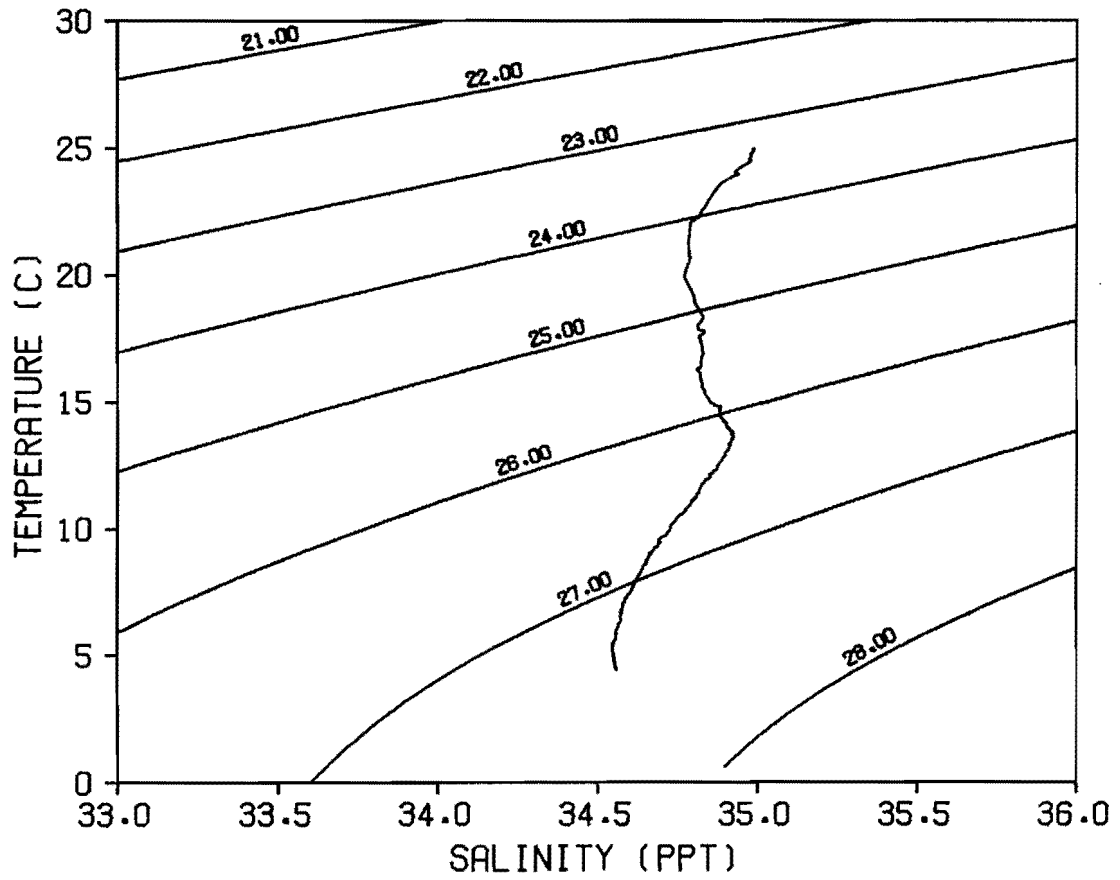


CAST EP4-79-DC-022 DATE 01 JUN 79 TIME 1932 GMT
 LAT 01 29.7N LONG 110 00.0W WEATHER 1 SEA STATE 3
 MAX WIND DIR 160 T SPD 10 KTS VISIBILITY 8
 CLOUD 3 AMOUNT 5 DRY 25.0 WET 22.5 DEPTH M

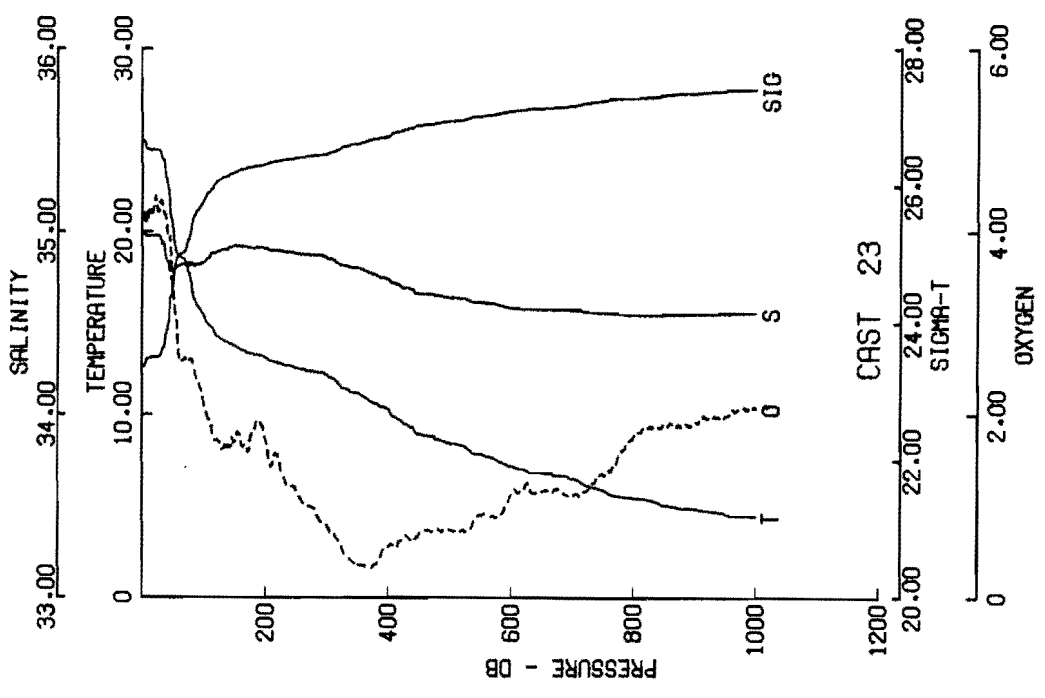
PRES (DB)	TEMP (C)	SAL (PPT)	OUY (ML/L)	SIG-T	DELTA-M
0	25.434	34.870	4.27	23.129	.000
10	25.226	34.870	4.30	23.143	.094
20	25.068	34.898	4.32	23.241	.140
30	22.841	34.755	4.15	23.286	.185
40	22.743	34.820	3.58	23.311	.224
50	18.709	34.897	3.09	25.135	.257
60	18.222	34.916	2.11	25.585	.283
70	15.958	34.927	1.87	25.709	.306
80	15.641	34.927	1.71	25.819	.329
90	15.519	34.933	1.68	25.873	.352
100	15.289	34.940	1.70	25.960	.373
110	14.920	34.940	1.73	25.986	.395
120	14.849	34.940	1.78	26.022	.415
130	14.499	34.923	1.88	26.141	.438
140	13.760	34.915	1.88	26.189	.475
150	13.645	34.928	1.79	26.224	.493
160	13.582	34.919	1.70	26.236	.512
170	13.457	34.889	1.07	26.252	.530
180	13.311	34.829	1	26.282	.548
190	12.738	34.828	.61	26.324	.620
200	11.317	34.728	.81	26.600	.797
250	11.240	34.656	.81	26.703	.872
300	10.952	34.617	.71	26.876	.940
350	7.992	34.602	.82	26.994	.960
400	7.662			27.031	1.000



CAST EP4-79-0C-023 DATE 02 JUN 79 TIME 0044 GMT
LAT 01 01.8N LONG 109 57.0W

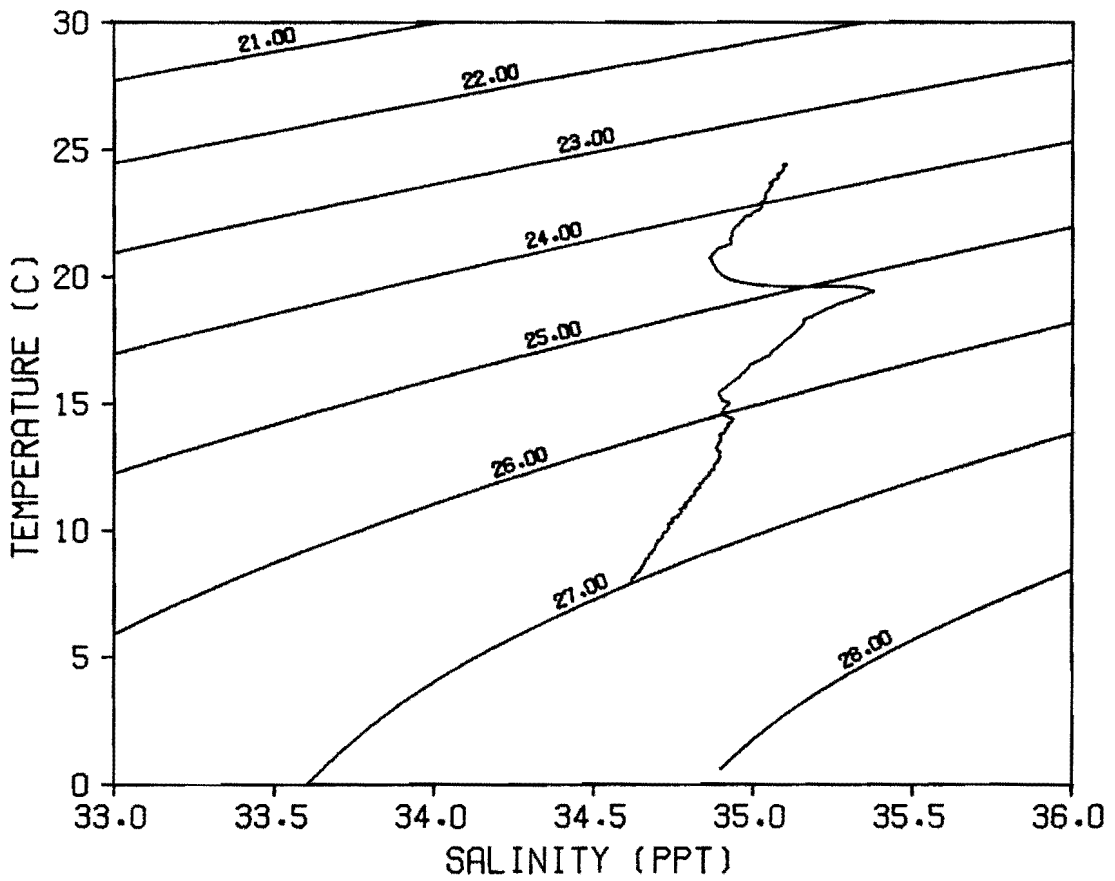


CAST EP4-79-0C-023 DATE 02 JUN 79 TIME 0044 GMT
 LAT 01 01.5N LONG 109 57.0W SEA STATE 3
 BAROMETR 10 WIND 10 DIM 120 T SPD 09 KT VISIBILITY 6 F
 CLOUD 8 AMOUNT 1 DRY 24.0 WET 22.5 DEPTH M



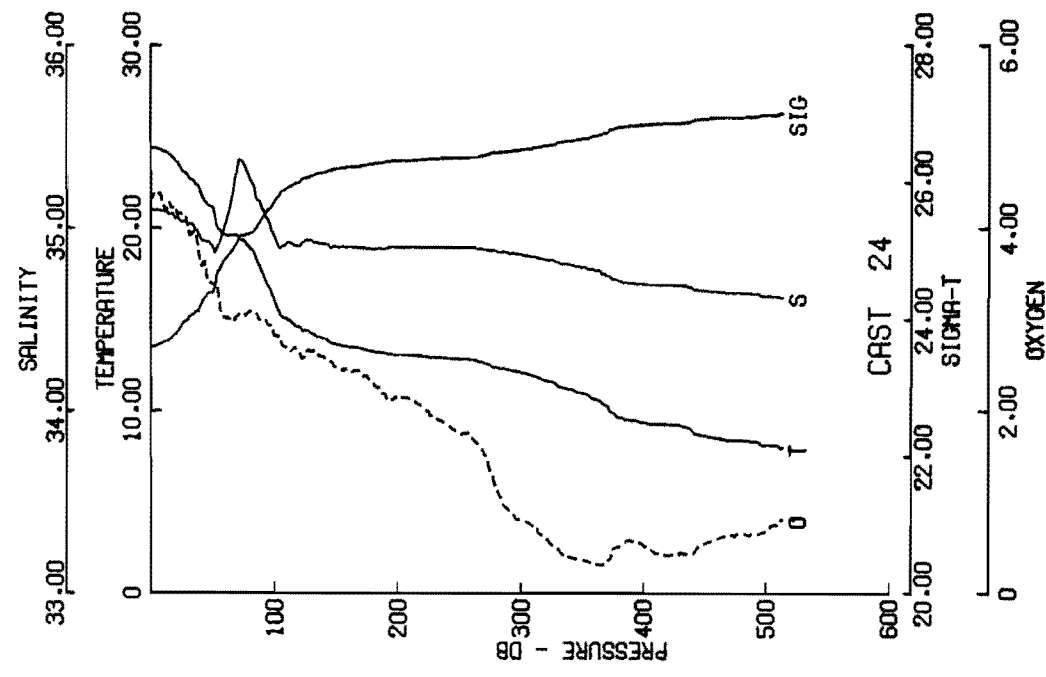
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	24.953	34.989	4.19	23.366	.000
10	24.540	34.977	4.31	23.481	.045
20	24.477	34.978	4.34	23.501	.089
30	24.352	34.968	4.34	23.531	.133
40	22.290	34.845	4.03	23.864	.173
50	20.634	34.815	3.62	24.390	.244
60	18.355	34.827	2.60	25.069	.274
70	16.380	34.830	2.22	25.441	.302
80	15.939	34.831	2.06	25.778	.326
90	15.323	34.833	1.92	26.050	.349
100	14.826	34.889	1.71	26.278	.371
110	14.059	34.902	1.65	26.457	.392
120	13.907	34.910	1.60	26.588	.411
130	13.757	34.926	1.60	26.719	.431
140	13.551	34.936	1.61	26.850	.450
150	13.381	34.946	1.61	26.981	.468
160	13.307	34.956	1.64	27.112	.486
170	13.250	34.965	1.64	27.243	.504
180	13.125	34.910	1.74	27.374	.522
190	12.954	34.882	1.78	27.505	.540
200	12.854	34.854	1.78	27.636	.558
250	12.152	34.801	1.78	27.767	.610
300	11.190	34.741	1.78	27.898	.670
350	10.232	34.662	1.78	28.029	.730
400	8.442	34.642	1.78	28.160	.789
450	8.839	34.616	1.78	28.291	.849
500	7.173	34.585	1.78	28.422	.909
550	6.947	34.571	1.78	28.553	.969
600	6.869	34.557	1.78	28.684	1.029
650	6.869	34.557	1.78	28.815	1.089
700	6.869	34.557	1.78	28.946	1.149
750	6.869	34.557	1.78	29.077	1.209
800	6.869	34.557	1.78	29.208	1.269
850	6.869	34.557	1.78	29.339	1.329
900	6.869	34.557	1.78	29.470	1.389
950	6.869	34.557	1.78	29.601	1.449
1000	6.869	34.557	1.78	29.732	1.509

CAST EP4-79-0C-024 DATE 02 JUN 79 TIME 0558 GMT
LAT 00 30.0N LONG 110 00.0W

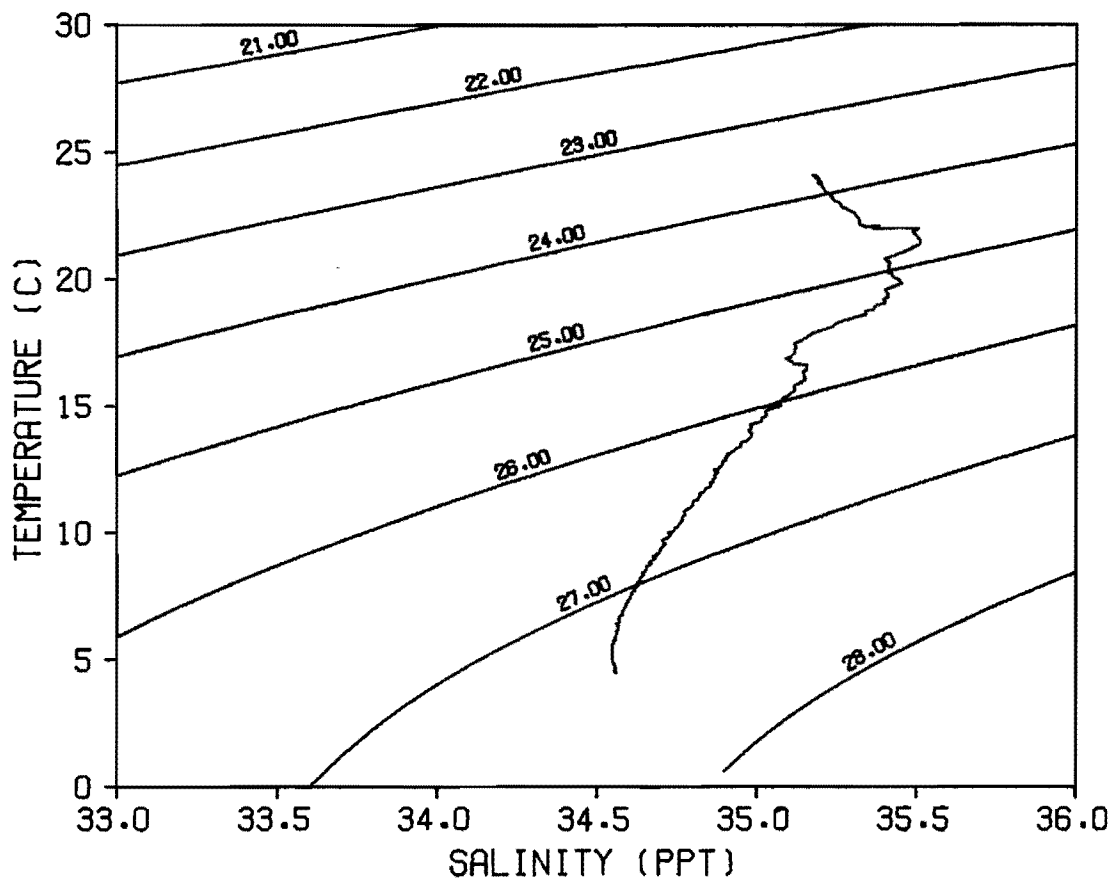


CAST EP4-79-0C-024 DATE 02 JUN 79 TIME 0558 GMT
 LAT 00 30.0N LONG 110 00.0W WEATHER 0 SEA STATE 3
 BAROMETER 12 WIND DIR 110 T SPD 10 KT VISIBILITY 7
 CLOUD 0 AMOUNT 0 DRY 23.8 WET 22.0 DEPTH M

PRFS (DB)	TEMP (C)	SAL (PPT)	DKY (ML/L)	SIG-T	DLTA-D (DYN-M)
0	24.406	35.101	4.34	23.615	.000
10	24.205	35.093	4.25	23.669	.043
20	23.877	35.051	4.20	23.793	.095
30	22.819	35.024	3.97	24.022	.195
40	21.920	34.942	3.60	24.214	.272
50	21.153	35.031	3.02	24.385	.389
60	19.553	35.241	3.06	25.124	.516
70	18.501	35.103	3.02	25.490	.642
80	17.955	34.922	2.83	25.736	.783
90	15.044	34.900	2.63	25.919	.916
110	14.653	34.934	2.64	25.998	.983
130	13.557	34.914	2.58	26.098	1.021
150	13.647	34.898	2.46	26.141	1.099
170	13.515	34.897	2.46	26.242	1.140
190	13.242	34.884	2.39	26.242	1.199
210	13.101	34.887	2.30	26.271	1.271
230	12.850	34.896	2.18	26.311	1.342
250	12.095	34.893	1.75	26.356	1.420
300	10.359	34.785	.62	26.477	1.705
400	8.359	34.693	.36	26.634	2.793
500	6.426	34.627	.55	26.925	4.652
513	7.951	34.619	.81	27.001	5.116

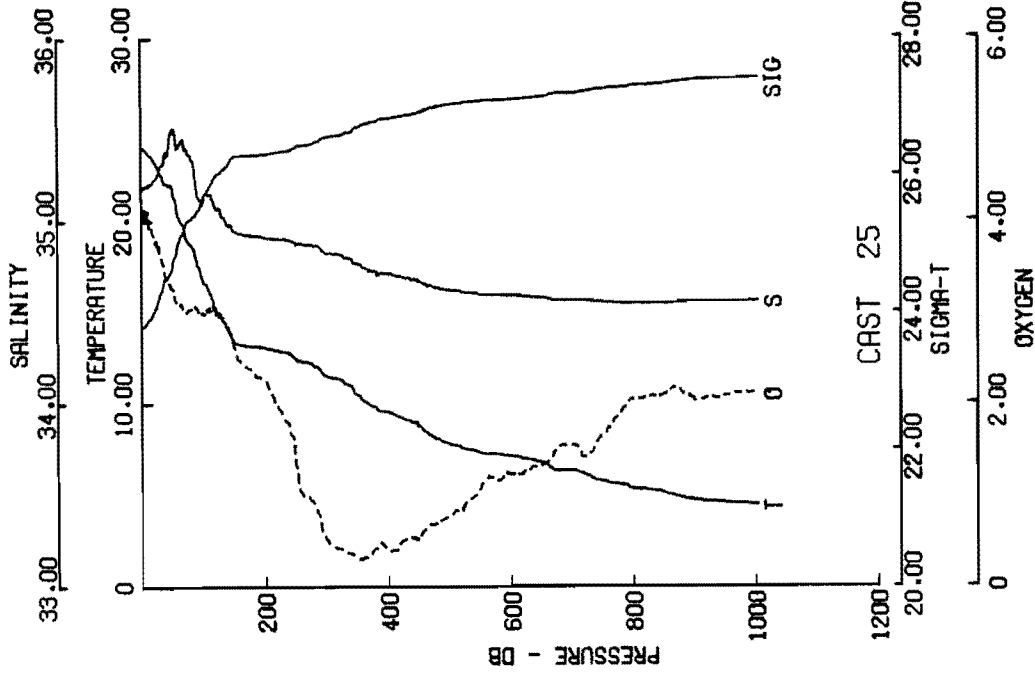


CAST EP4-79-0C-025 DATE 03 JUN 79 TIME 1118 GMT
LAT 00 02.0N LONG 109 59.9W

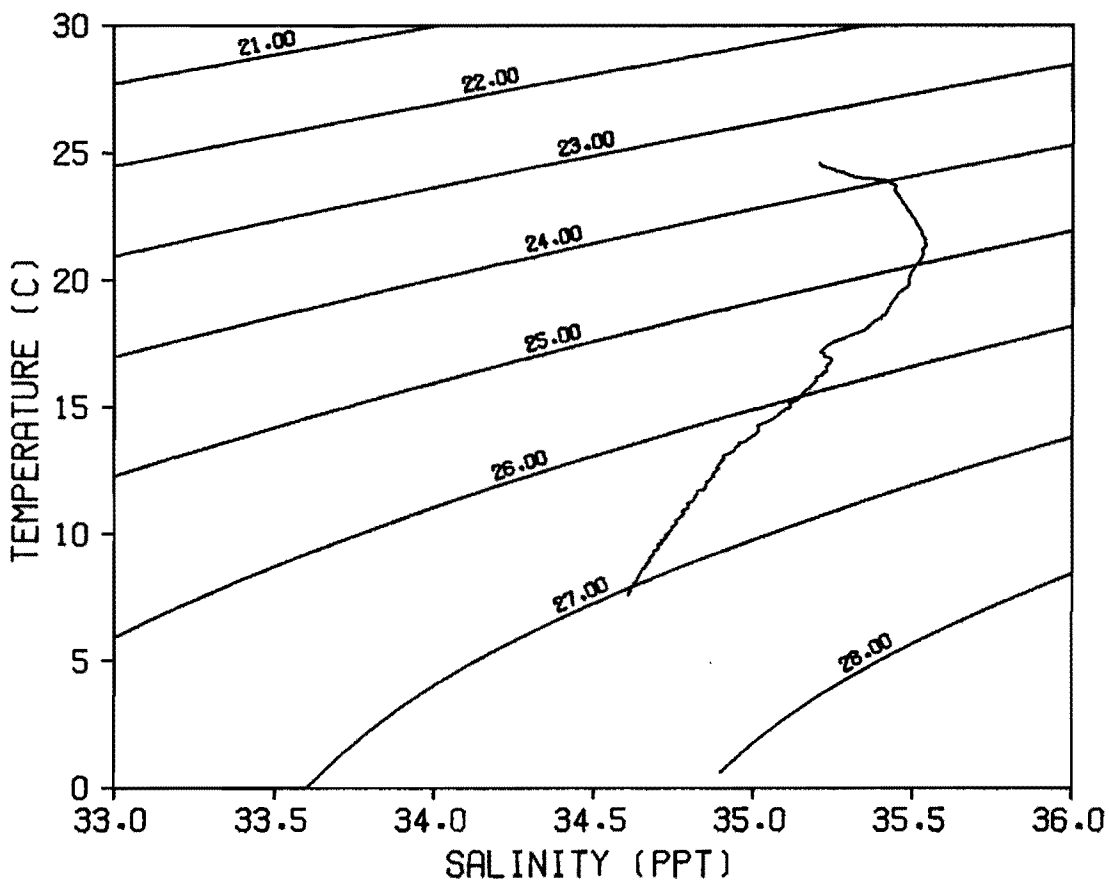


CAST EP4-79-0C-025 DATE 03 JUN 79 TIME 1118 GMT
 LAT 00 02.0N LONG 109 50.9W WEATHER SEA STATE 4
 BAROMETER 12.0 WIND DIR 120 T SPD 10 KT VISIBILITY 7
 CLOUD 0 AMOUNT 0 DRY 23.2 WET 22.0 DEPTH M

PREP (DB)	TEMP (C)	SAL (PPT)	PKY (ML/L)	SIG-T	DELTA-D (DYN-CM)
0	24.084	35.179	4.07	23.770	.000
10	23.761	35.190	4.11	23.874	.041
20	23.438	35.221	3.84	24.009	.081
30	22.710	35.288	3.62	24.155	.119
40	22.077	35.380	3.37	24.302	.155
50	21.555	35.485	3.29	24.445	.189
60	21.225	35.413	3.02	24.538	.220
70	19.722	35.339	3.05	24.670	.245
80	17.650	35.117	3.09	24.795	.275
90	16.097	35.068	3.03	24.903	.302
100	15.047	35.152	3.03	25.009	.328
120	14.632	35.028	2.99	25.106	.348
130	14.053	34.977	2.94	25.195	.369
140	13.387	34.947	2.82	25.275	.389
150	13.287	34.933	2.62	25.347	.427
160	13.163	34.922	2.46	25.400	.445
170	13.119	34.912	2.31	25.442	.462
180	13.110	34.912	2.25	25.473	.480
190	13.110	34.882	2.25	25.503	.498
200	11.569	34.822	1.51	25.532	.516
250	11.082	34.766	1.39	25.559	.534
300	8.576	34.710	1.06	25.584	.552
350	8.114	34.623	1.06	25.607	.570
400	7.320	34.598	1.11	25.628	.588
450	7.135	34.578	1.11	25.647	.606
500	6.574	34.555	1.11	25.664	.624
550	5.740	34.535	1.06	25.679	.642
600	5.113	34.517	1.06	25.692	.659
650	4.813	34.504	1.06	25.704	.677
700	4.470	34.494	1.06	25.715	.694
750	4.127	34.487	1.06	25.725	.711
800	3.727	34.482	1.06	25.734	.728
850	3.270	34.478	1.06	25.742	.745
900	2.770	34.476	1.06	25.749	.762
950	2.227	34.475	1.06	25.755	.778
1000	1.663	34.475	1.06	25.760	.794
1003	1.463	34.475	1.06	25.764	.809

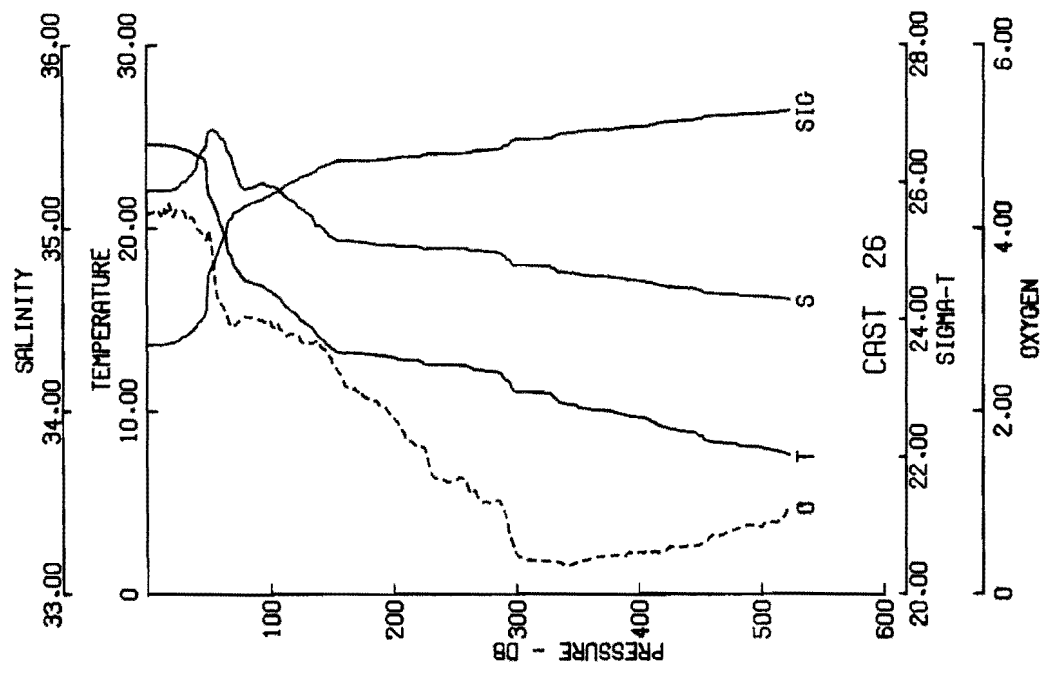


CAST EP4-79-0C-026 DATE 02 JUN 79 TIME 1628 GMT
LAT 0 30.0S LONG 110 00.0W

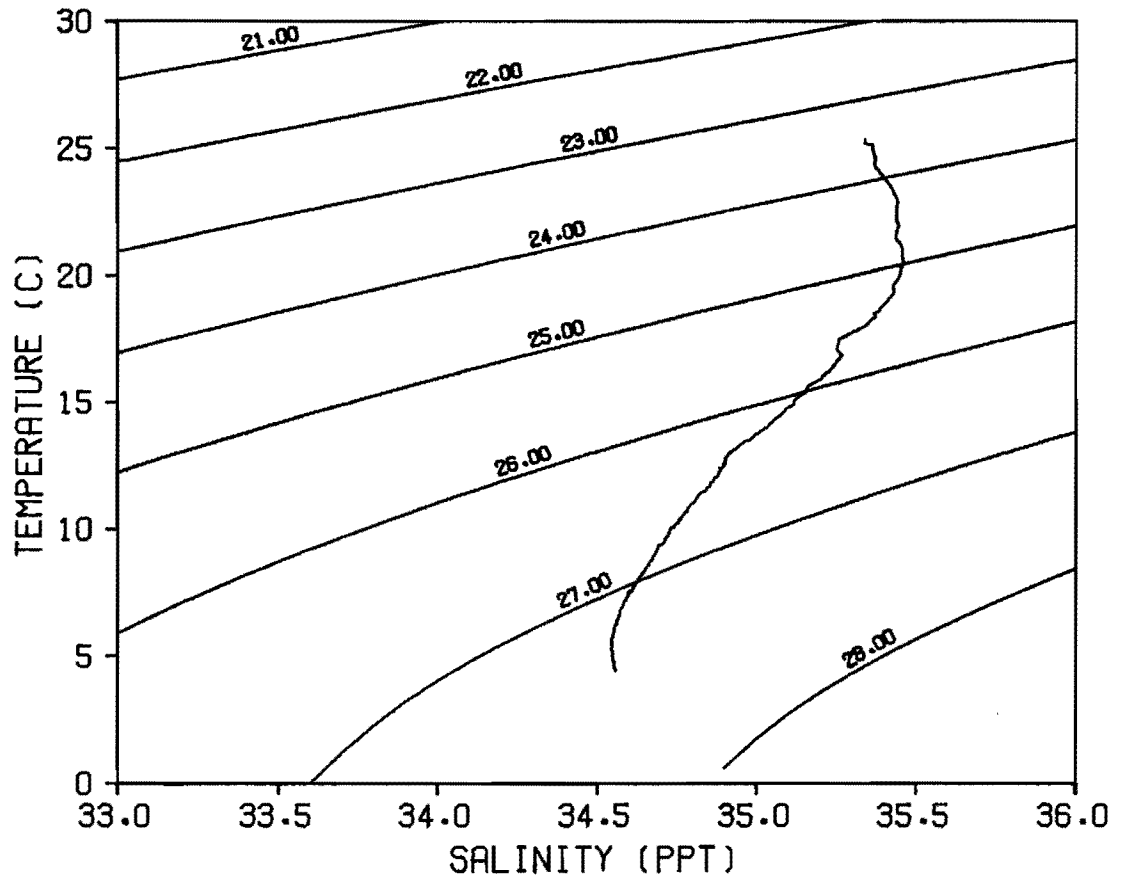


CAST EP4-79-DC-026 DATE 02 JUN 79 TIME 162R GMT
 LAT 03C.05 LONG 110 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 14 WIND DIR 095 T SPD 10 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 25.9 WET 23.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	24.596	35.206	4.15	23.638	.002
10	24.574	35.206	4.19	23.674	.042
20	24.500	35.210	4.19	23.670	.087
30	24.314	35.229	4.02	23.758	.127
40	24.014	35.227	3.99	23.904	.207
50	21.876	35.489	3.17	24.615	.336
60	17.939	35.367	2.93	25.155	.416
70	17.134	35.209	3.00	25.659	.452
80	16.945	35.226	3.08	25.733	.470
90	16.571	35.193	2.85	25.805	.505
100	15.974	35.145	2.62	25.919	.527
110	15.346	35.101	2.72	26.023	.609
120	14.746	35.017	2.72	26.100	.689
130	14.041	34.953	2.59	26.241	.742
140	13.424	34.931	2.22	26.318	.794
150	13.205	34.916	2.15	26.328	.830
160	13.124	34.907	2.09	26.350	.894
170	13.048	34.891	1.93	26.416	.953
180	12.945	34.879	1.74	26.424	
190	12.860	34.796	1.43	26.424	
200	11.560	34.710	.46	26.605	
250	10.637	34.654	.74	26.999	
300	8.001	34.608	.96	27.044	
350	7.617				

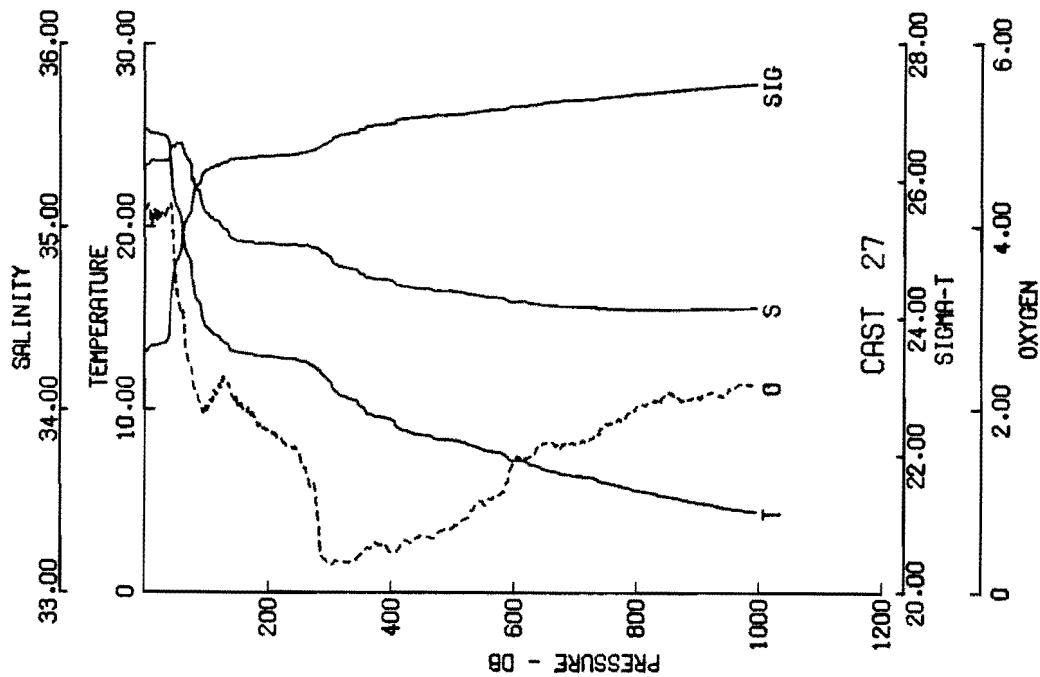


CAST EP4-79-0C-027 DATE 02 JUN 79 TIME 2141 GMT
LAT 0 59.9S LONG 109 59.9W

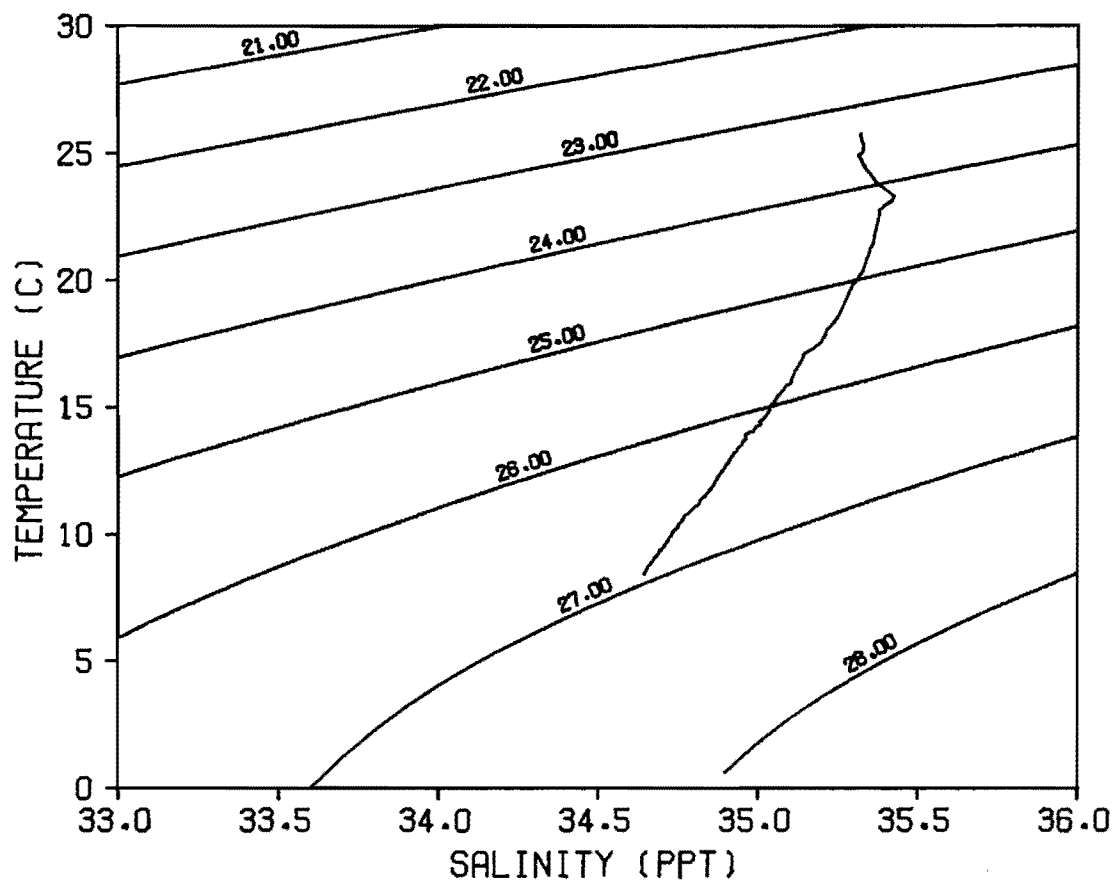


EP4-79-OC-027 DATE 02 JUN 79 TIME 2141 GMT
 LAT 0 59.9S LONG 109 54.9W WEATHER 1 SEA STATE 5
 BAROMETER 11 WIND 100 T SPD 13 KT VISTABILITY 7
 CLOUD 8 AMOUNT 2 DRY 25.8 WET 23.2 WET 23.2 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	25.485	35.339	4.15	23.667	.000
5	25.354	35.334	4.21	23.506	.044
10	25.143	35.357	4.14	23.586	.087
20	25.023	35.361	4.05	23.602	.130
30	24.526	35.369	4.17	23.783	.172
40	24.242	35.446	3.60	23.783	.208
50	20.242	35.452	3.08	25.079	.239
60	18.407	35.370	3.53	25.470	.265
70	16.360	35.237	2.07	25.863	.289
80	14.484	35.164	2.99	26.158	.311
90	14.140	35.075	1.11	26.208	.330
100	13.931	35.025	2.28	26.254	.367
110	13.623	34.983	2.30	26.274	.385
120	13.296	34.922	2.16	26.331	.421
130	13.014	34.920	2.09	26.337	.438
140	12.826	34.917	1.93	26.343	.455
150	12.894	34.909	1.89	26.354	.473
160	12.878	34.898	1.79	26.380	.490
170	12.847	34.893	1.53	26.401	.507
180	12.838	34.8745	1.29	26.442	.575
190	12.819	34.705	1.43	26.474	.714
200	12.819	34.641	1.70	26.507	.876
250	7.304	34.619	.98	27.024	.995
300	6.725	34.570	1.62	27.087	1.050
350	6.356	34.562	1.62	27.181	1.104
400	5.997	34.554	1.62	27.222	1.154
450	5.245	34.547	1.30	27.251	1.203
500	4.893	34.546	2.01	27.308	1.250
550	4.608	34.542	2.14	27.352	1.295
600	4.415	34.552	2.22	27.386	1.339
650		34.558	2.26	27.41	1.379

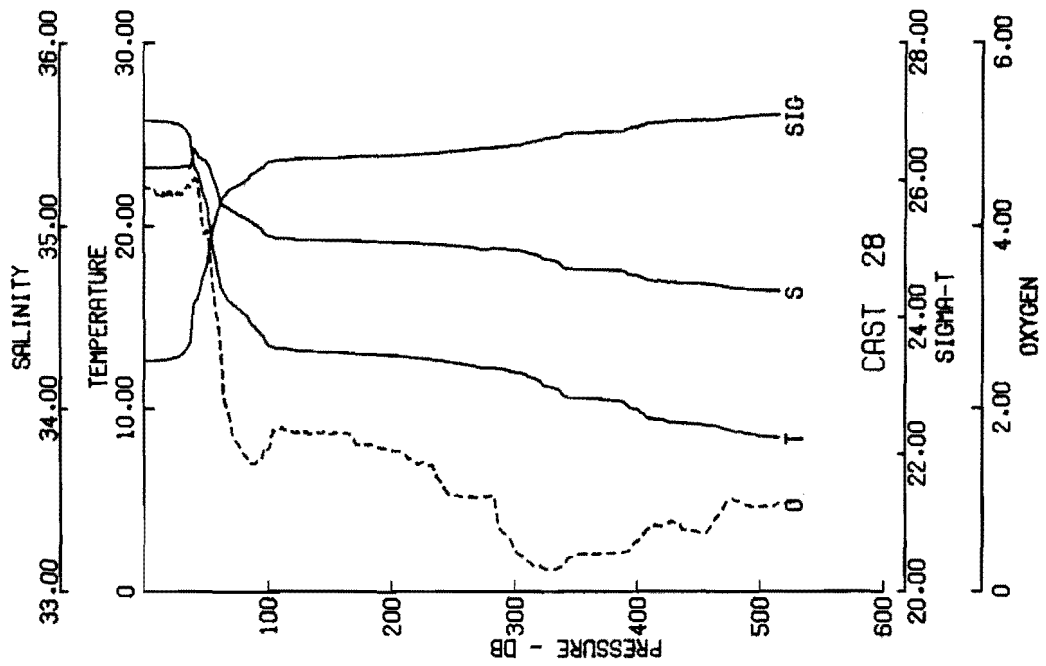


CAST EP4-79-0C-028 DATE 03 JUN 79 TIME 0328 GMT
LAT 1 30.0S LONG 110 00.0W

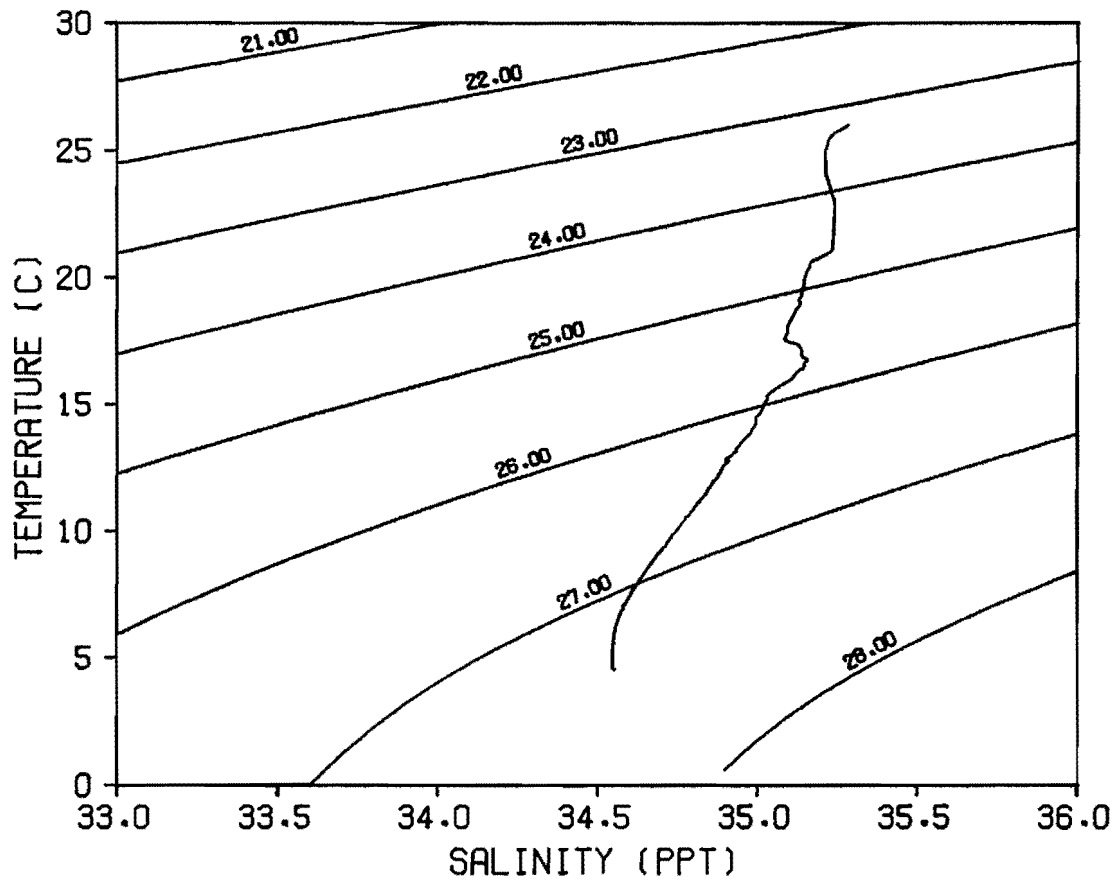


CAST EP4-79-0C-028 DATE 03 JUN 79 TIME 0328 GMT
 LAT 1 30.0S LONG 110 20.0W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 100.Y SPD 12.KT VISIBILITY 7
 CLOUD 8 AMOUNT 1 DRY 24.6 WET 22.1 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T
0	25.755	35.320	4.40	23.369	.000
10	25.748	35.320	4.37	23.374	.045
20	25.678	35.324	4.35	23.393	.095
30	25.482	35.325	4.32	23.457	.178
40	23.308	35.353	4.24	24.167	.213
50	17.307	35.173	3.91	24.588	.264
60	15.833	35.090	1.63	25.070	.305
70	15.270	35.053	1.51	25.121	.342
80	14.507	35.049	1.39	25.168	.359
90	13.515	34.930	1.27	25.508	.377
100	13.238	34.929	1.17	25.824	.412
110	13.163	34.921	1.07	26.328	.427
120	13.106	34.915	1.00	26.373	.464
130	13.086	34.914	1.00	26.375	.481
140	13.019	34.893	1.05	26.420	.584
150	12.911	34.865	1.1	26.504	.666
160	12.945	34.763	1.1	26.685	.743
170	12.945	34.684	1.1	26.767	.814
180	12.945	34.648	1.1	26.870	.879
190	12.945	34.644	1.1	26.941	.942
200	12.945	34.644	1.1	26.941	.942
250	12.945	34.644	1.1	26.941	.942
300	12.945	34.644	1.1	26.941	.942
350	12.945	34.644	1.1	26.941	.942
400	12.945	34.644	1.1	26.941	.942
450	12.945	34.644	1.1	26.941	.942
500	12.945	34.644	1.1	26.941	.942
515	12.945	34.644	1.1	26.941	.942

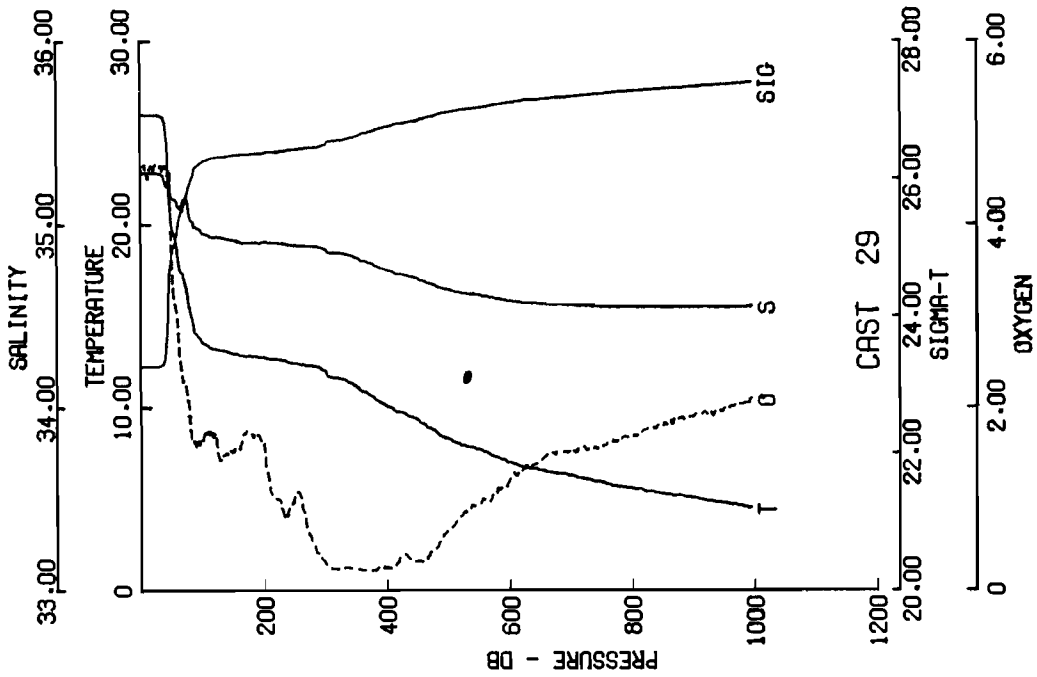


CAST EP4-79-0C-029 DATE 03 JUN 79 TIME 0739 GMT
LAT 2 01.0S LONG 110 02.3W

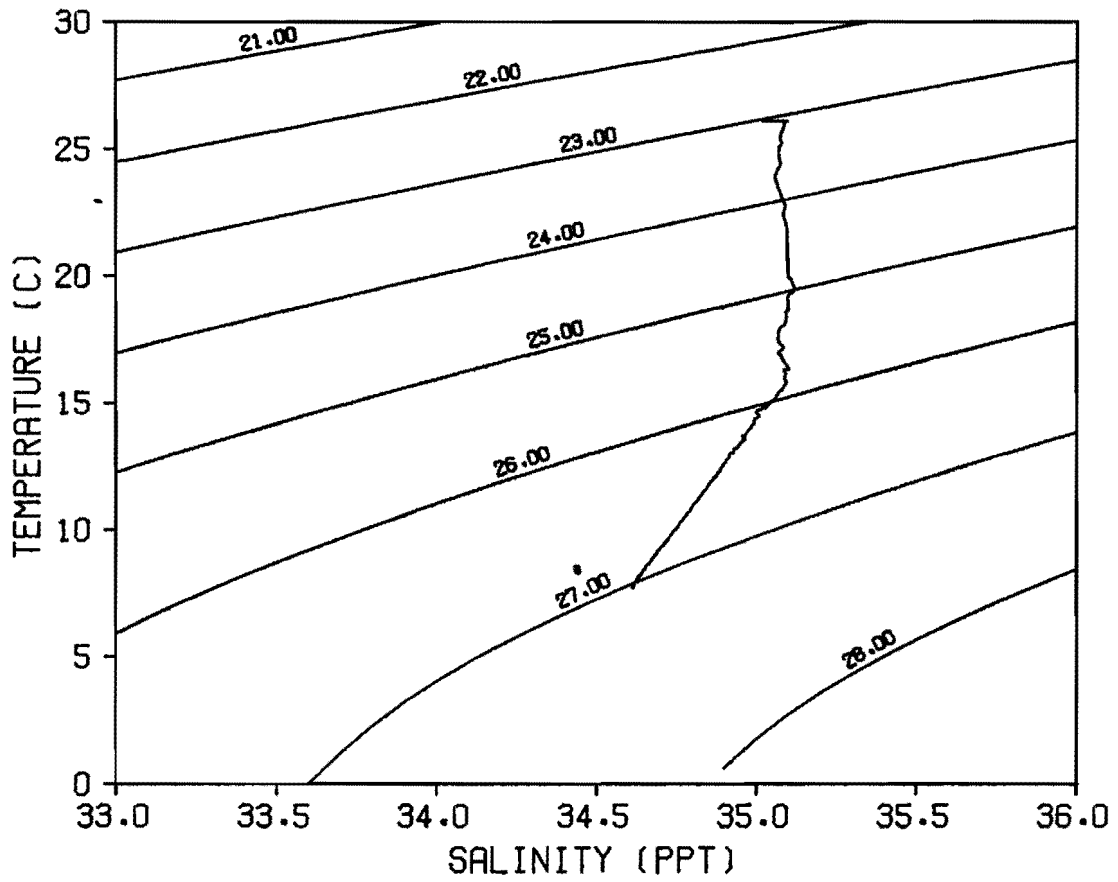


CAST EP4-73-0C-029 DATE 03 JUN 79 TIME 0739 GMT
 LAT 2 01.0S LONG 110 02.34 WEAATHER 1 SEA STATE 3
 BAROMETER 14 WIND DIR 110 T SPD 13 KT VISIBILITY 7
 CLOUD B AMOUNT 2 WET 25.0 WET 22.8 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELM-O
0	26.004	35.282	4.60	23.263	.000
10	26.007	35.283	4.57	23.264	.046
20	25.993	35.281	4.63	23.266	.093
30	25.983	35.271	4.63	23.266	.139
40	25.972	35.262	4.63	23.266	.185
50	25.962	35.252	4.63	23.266	.222
60	19.080	35.194	3.85	24.916	.251
70	16.976	35.135	2.89	25.340	.278
80	15.187	35.085	1.81	25.671	.298
90	14.529	34.955	1.64	26.187	.317
100	13.534	34.935	1.71	26.261	.336
110	13.220	34.932	1.71	26.296	.353
120	13.151	34.926	1.45	26.315	.371
130	13.081	34.914	1.48	26.327	.388
140	12.966	34.909	1.53	26.336	.406
150	12.891	34.903	1.53	26.354	.423
160	12.829	34.903	1.53	26.362	.440
170	12.786	34.900	1.73	26.367	.457
180	12.740	34.900	1.68	26.370	.474
190	12.700	34.900	1.70	26.377	.492
200	12.660	34.898	1.56	26.387	.509
250	11.977	34.848	1.50	26.437	.523
300	11.970	34.818	1.23	26.501	.535
350	11.944	34.751	1.23	26.521	.545
400	10.361	34.706	1.66	26.561	.561
450	8.317	34.644	1.95	26.568	.575
500	7.728	34.616	1.95	26.571	.589
550	7.000	34.583	1.40	26.571	.601
600	6.584	34.567	1.40	27.031	.611
650	6.279	34.561	1.40	27.115	.617
700	5.952	34.551	1.69	27.191	.621
750	5.622	34.547	1.69	27.274	.625
800	5.274	34.547	1.80	27.306	.629
850	4.927	34.547	1.98	27.332	.633
900	4.577	34.547	1.98	27.364	.637
950	4.222	34.547	1.98	27.399	.641
994	4.507	34.554	1.99	27.431	.645

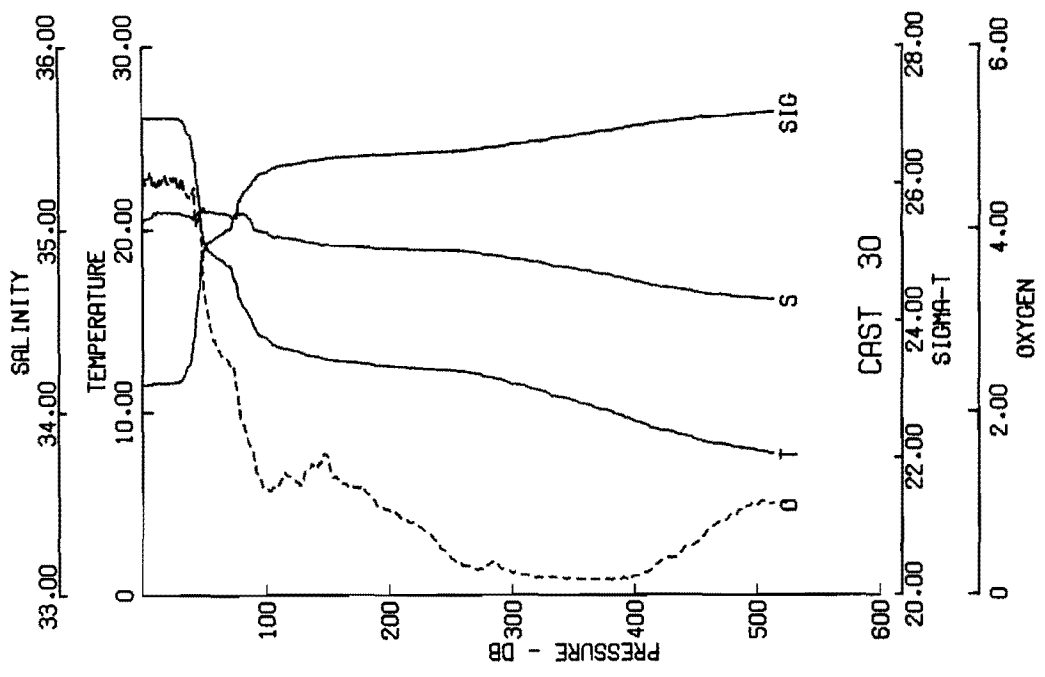


CAST EP4-79-0C-030 DATE 03 JUN 79 TIME 1256 GMT
LAT 2 30.4S LONG 110 03.1W

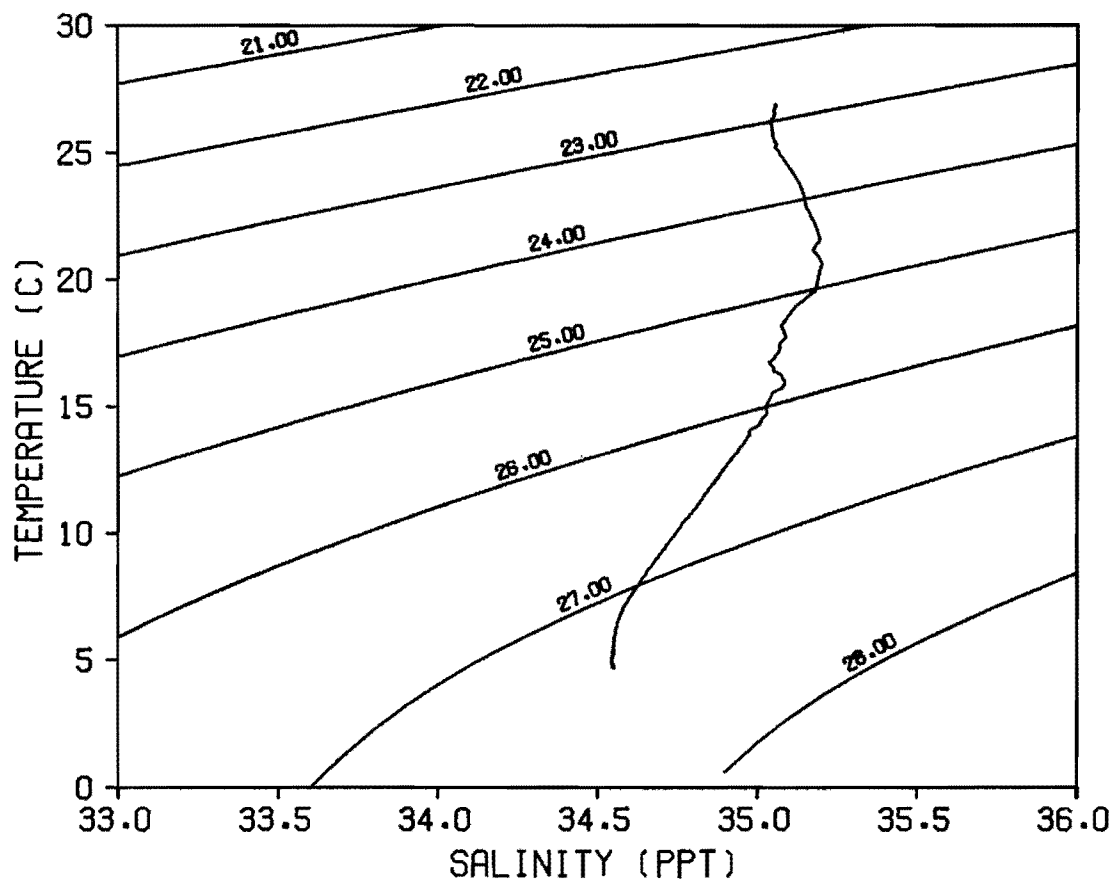


CAST EP4-79-DC-030 DATE 03 JUN 79 TIME 1256 GMT
 LAT 2 30.4S LONG 110 03.1W WEATHER 1 SEA STATE 5
 BAROMETER 13 WIND DIR 100 T SPD 14 KT VISIBILITY 7
 CLOUD 6 AMOUNT 2 DRY 25.0 WET 23.4 DEPTH M

PRES (DB)	TEMP (C)	SAL (FPT)	DKY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.095	35.020	4.56	23.037	.000
10	26.095	35.090	4.50	23.090	.048
20	26.104	35.091	4.48	23.111	.096
30	26.032	35.074	4.43	23.598	.144
50	24.299	35.104	3.71	25.236	.190
60	18.501	35.084	2.51	25.843	.254
70	15.039	35.089	1.91	25.843	.281
80	15.093	35.003	1.50	26.058	.306
100	14.186	34.990	1.20	26.170	.327
110	13.437	34.952	1.10	26.284	.346
120	13.228	34.938	1.10	26.316	.360
130	13.069	34.925	1.10	26.343	.370
140	12.881	34.916	1.10	26.369	.382
150	12.791	34.911	1.10	26.390	.390
170	12.657	34.909	1.10	26.407	.414
190	12.572	34.899	1.10	26.423	.434
200	12.537	34.897	.91	26.447	.451
250	11.511	34.883	.41	26.482	.468
300	11.030	34.884	.27	26.518	.502
350	9.481	34.714	.17	26.573	.518
400	8.486	34.654	.10	26.692	.601
450	7.487	34.652	.08	26.834	.756
500	7.715	34.614	.00	26.949	.827
513			1.00	27.053	.946

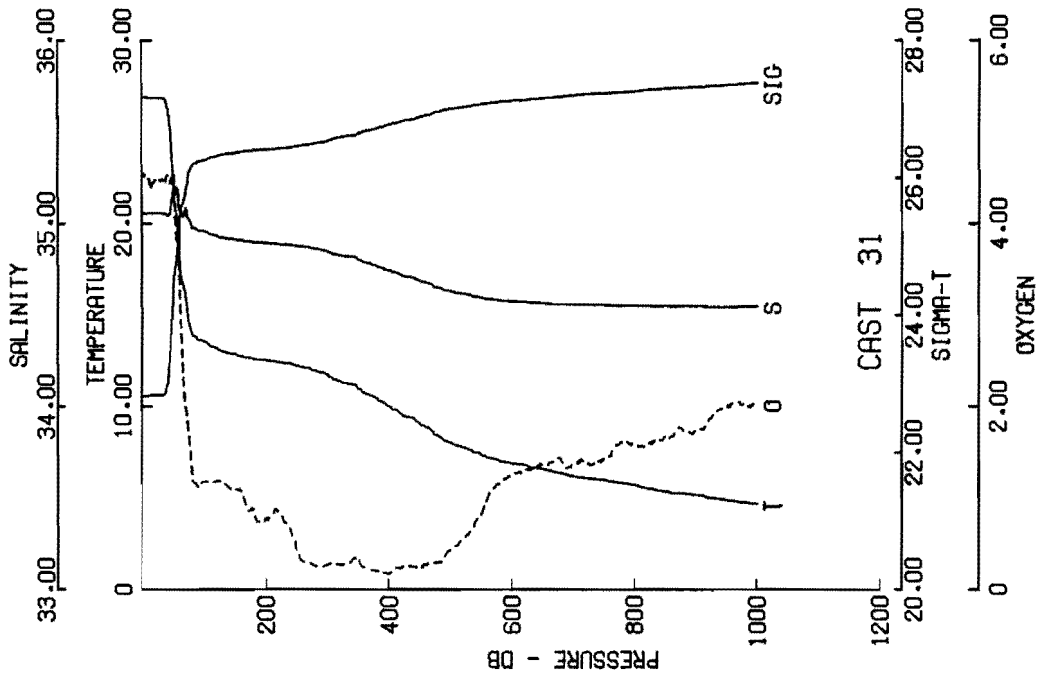


CAST EP4-79-0C-031 DATE 03 JUN 79 TIME 1748 GMT
LAT 3 04.1S LONG 109 58.1W

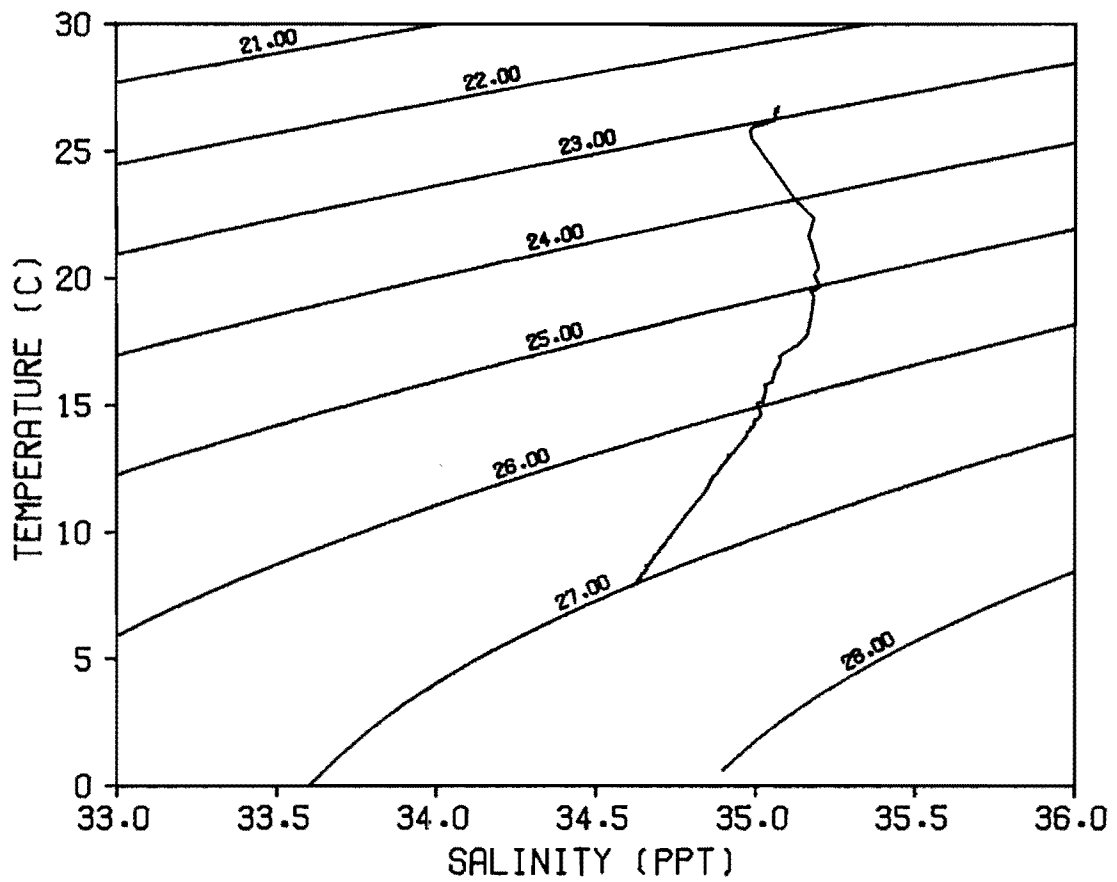


CAST EPA-79-DC-031 DATE 03 JUN 79 TIME 1748 GMT
 LAT 3 04.15 LONG 109 58.14 WEATHER 1 SEA STATE 7
 BAROMETER 15 WIND 01R 118T SPD 16 KT VISIBILITY 7
 CLOUD 6 AMOUNT 3 DRY 26.9 WET 23.8 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	DX (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.886	35.053	4.57	22.811	.000
10	26.886	35.056	4.47	22.815	.051
20	26.859	35.057	4.47	22.824	.152
30	26.859	35.054	4.52	22.928	.207
40	26.856	35.075	4.55	22.107	.279
50	16.265	35.071	3.04	25.728	.304
60	14.047	34.965	1.30	26.174	.342
70	13.683	34.959	1.17	26.258	.368
80	13.328	34.937	1.16	26.300	.378
90	13.030	34.925	1.18	26.316	.396
100	12.930	34.915	1.18	26.361	.413
110	12.886	34.910	1.10	26.368	.430
120	12.774	34.905	1.07	26.399	.464
130	12.627	34.896	1.07	26.408	.481
140	12.554	34.889	1.07	26.419	.498
150	12.522	34.885	1.07	26.464	.511
160	12.485	34.881	1.07	26.532	.531
170	12.451	34.874	1.07	26.645	.615
180	12.409	34.874	1.07	26.770	.742
190	12.376	34.873	1.07	26.883	.843
200	12.376	34.873	1.07	26.901	.909
250	7.376	34.597	1.07	27.069	1.079
300	6.586	34.565	1.07	27.153	1.131
350	6.208	34.557	1.07	27.198	1.181
400	5.947	34.557	1.07	27.224	1.229
450	5.717	34.557	1.07	27.255	1.276
500	5.564	34.557	1.07	27.299	1.321
550	5.462	34.550	1.07	27.322	1.365
600	5.362	34.550	1.07	27.346	1.408
650	5.262	34.550	1.07	27.376	1.449
700	5.162	34.550	1.07	27.403	
750	5.062	34.550	1.07	27.430	
800	4.962	34.550	1.07	27.457	
850	4.862	34.550	1.07	27.484	
900	4.762	34.550	1.07	27.511	
950	4.662	34.550	1.07	27.538	
1000	4.562	34.550	1.07	27.565	
1001	4.462	34.550	1.07	27.592	

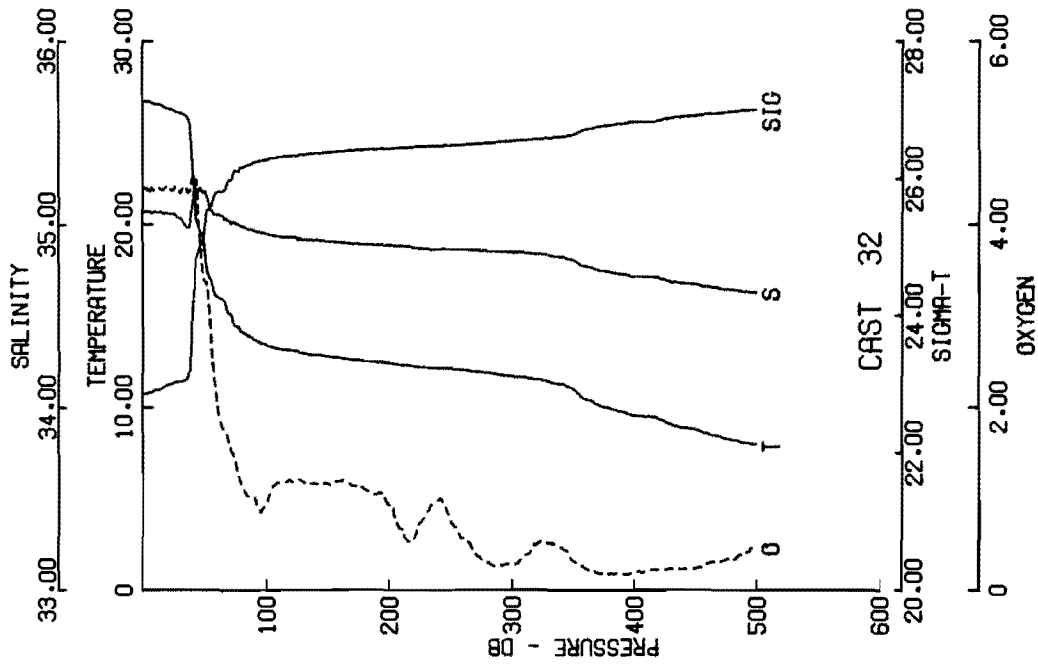


CAST EP4-79-0C-032 DATE 03 JUN 79 TIME 2216 GMT
LAT 3 30.7S LONG 110 00.3W

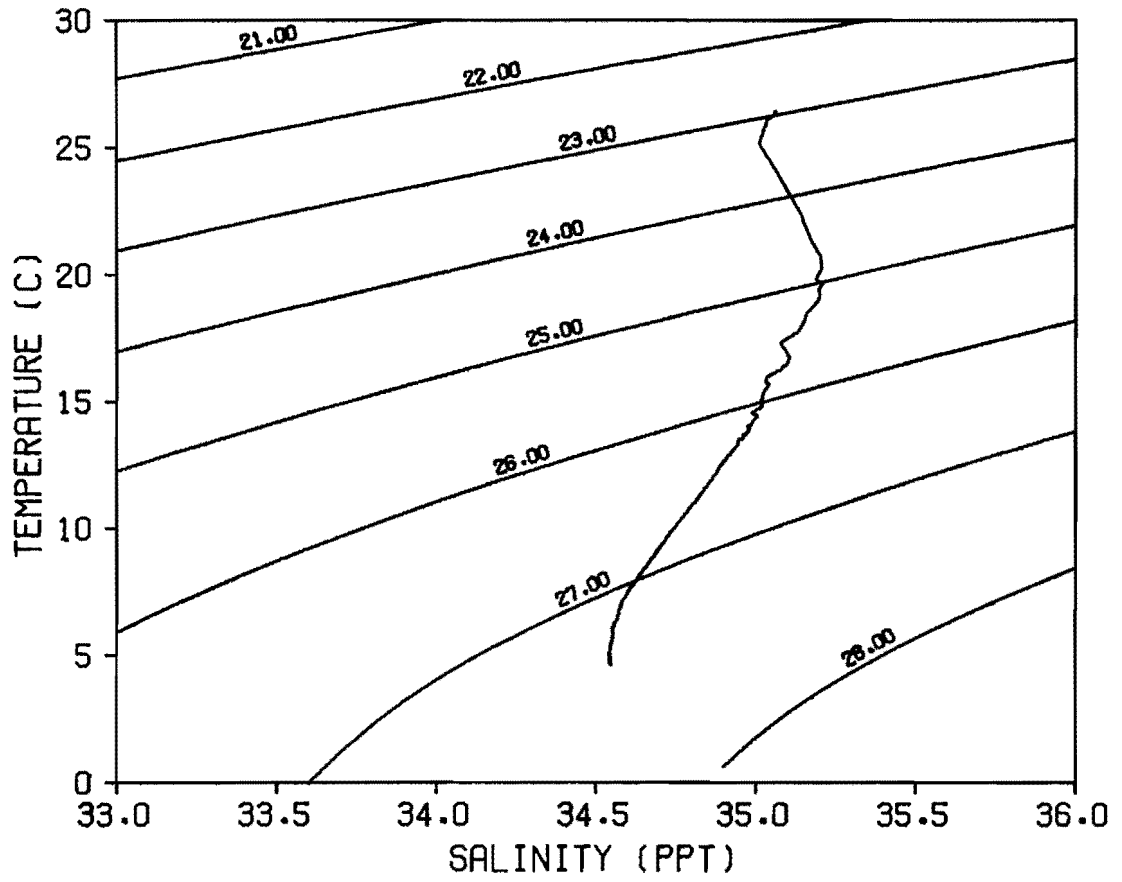


CAST EP4-79-0C-032 DATE 03 JUN 79 TIME 2215 GMT
 LAT 330.75 LONG 110 00.3W WEATHER 1 VSEA STATE 3
 BAROMETER 12 WIND DIR 110 T SPD 16 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DAY 27.0 WET 24.0 DEPTH M

PREP (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D
0	26.769	35.071	4.43	22.866	.000
10	26.589	35.068	4.432	22.918	.099
20	26.353	35.036	4.434	23.043	.148
30	26.117	35.017	4.437	23.170	.197
40	23.074	35.014	3.537	23.302	.250
50	19.615	35.024	2.058	23.441	.292
60	15.151	34.993	1.141	23.587	.318
70	13.419	34.950	1.094	23.741	.346
80	13.217	34.937	1.119	23.903	.363
90	13.077	34.922	1.118	24.075	.391
100	12.975	34.915	1.116	24.258	.414
110	12.877	34.908	1.118	24.451	.431
120	12.771	34.904	1.114	24.654	.448
130	12.693	34.891	1.110	24.867	.465
140	12.593	34.886	1.105	25.090	.481
150	12.528	34.886	1.105	25.323	.498
160	12.422	34.886	1.105	25.566	.519
170	12.382	34.886	1.105	25.819	.543
180	12.317	34.886	1.105	26.082	.579
190	12.227	34.886	1.105	26.355	.623
200	12.182	34.886	1.105	26.638	.673
250	11.992	34.805	1.092	27.031	.759
300	11.922	34.712	1.082	27.434	.805
350	11.873	34.628	1.074	27.847	.859
400	11.843	34.553	1.068	28.270	
450	11.823	34.487	1.064	28.703	
499	11.810	34.428	1.061	29.146	

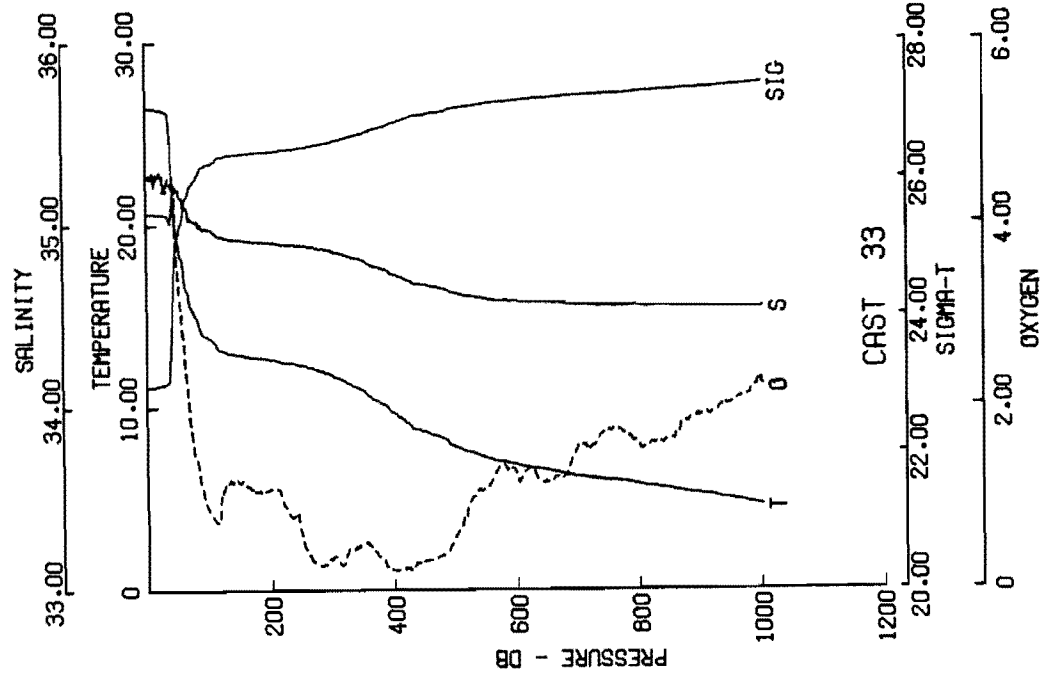


CAST EP4-79-0C-033 DATE 04 JUN 79 TIME 0151 GMT
LAT 4 03.7S LONG 110 01.0W

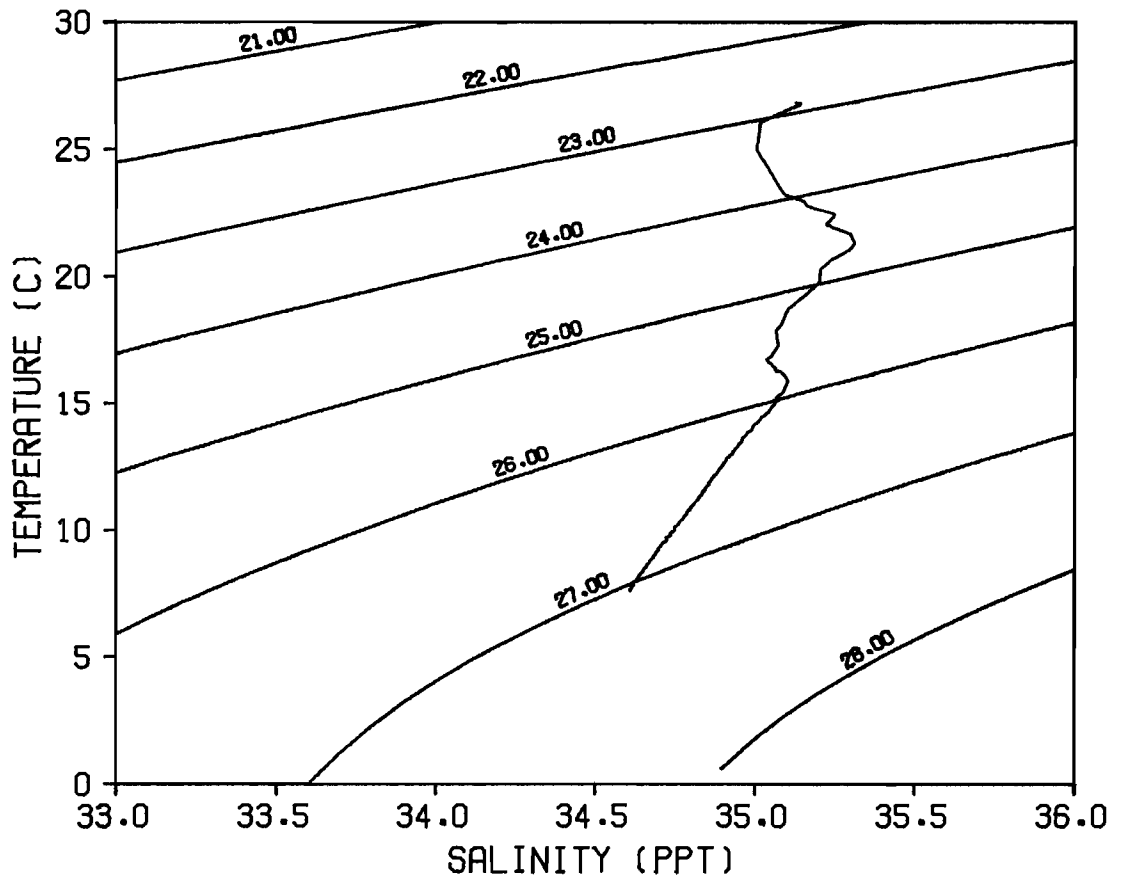


CAST EP4-79-06-033 DATE 04 JUN 79 TIME 0151 GMT
 LAT 4 03.7S LONG 110 01.0W WEATHER 1 SEA STATE 2
 BAROMET P 13 WIND DIR 090 T SPD 15 KT VISIBILITY 7
 CLOUD 8 AMOUNT 2 DRY 25.1 WET 24.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.437	35.062	4.56	22.962	.000
10	26.422	35.059	4.54	22.992	.098
20	26.333	35.058	4.45	23.009	.147
30	26.144	35.059	4.44	23.062	.194
40	19.099	35.192	3.64	23.164	.227
50	15.548	35.037	1.42	23.603	.254
70	14.915	35.018	1.06	25.021	.297
90	14.028	34.977	.75	26.180	.316
100	13.811	34.959	.78	26.226	.335
110	13.540	34.937	1.08	26.268	.353
120	13.157	34.926	1.19	26.330	.371
130	12.999	34.923	1.17	26.353	.388
140	12.950	34.923	1.15	26.368	.405
150	12.894	34.912	1.08	26.378	.422
160	12.822	34.909	1.07	26.393	.439
170	12.722	34.905	1.07	26.399	.453
180	12.636	34.901	1.10	26.406	.490
190	12.313	34.885	1.21	26.457	.590
200	12.176	34.854	1.22	26.458	.671
300	11.928	34.726	1.22	26.809	.817
400	9.668	34.628	1.11	26.930	.880
450	8.356	34.590	1.11	27.019	.995
500	7.237	34.579	1.11	27.083	.995
600	6.549	34.568	1.11	27.127	1.048
700	5.186	34.555	1.11	27.169	1.148
750	5.747	34.553	1.11	27.223	1.144
800	5.501	34.550	1.11	27.252	1.144
850	5.227	34.546	1.11	27.281	1.289
900	4.949	34.546	1.11	27.310	1.334
950	4.615	34.546	1.11	27.343	1.377
1000	4.601	34.546	1.11	27.381	1.419

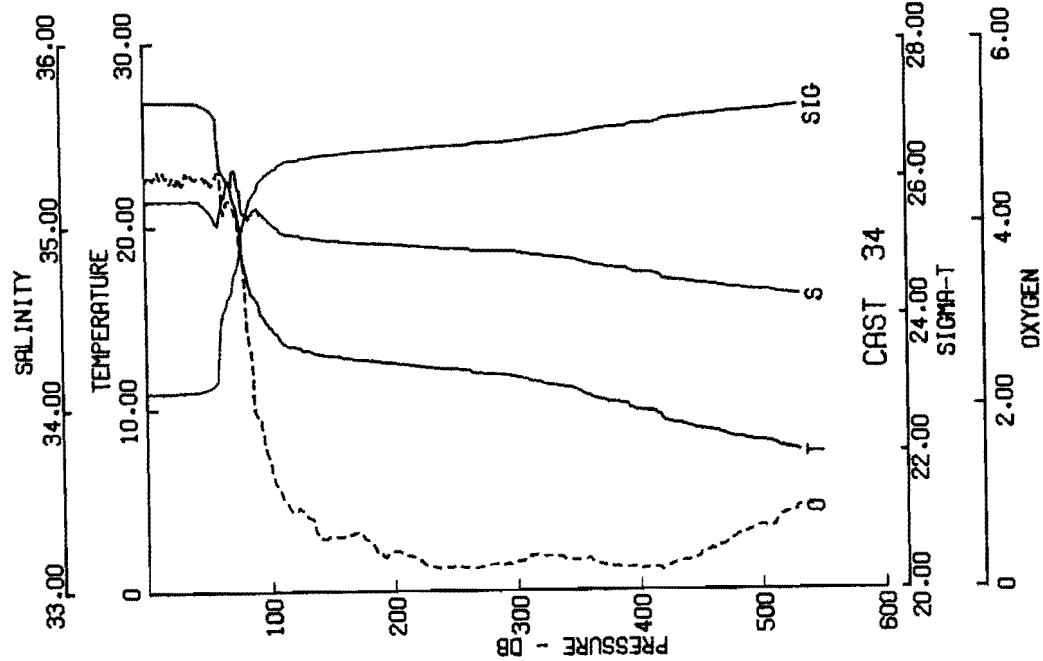


CAST EP4-79-0C-034 DATE 04 JUN 79 TIME 0536 GMT
LAT 4 30.0S LONG 110 00.0W

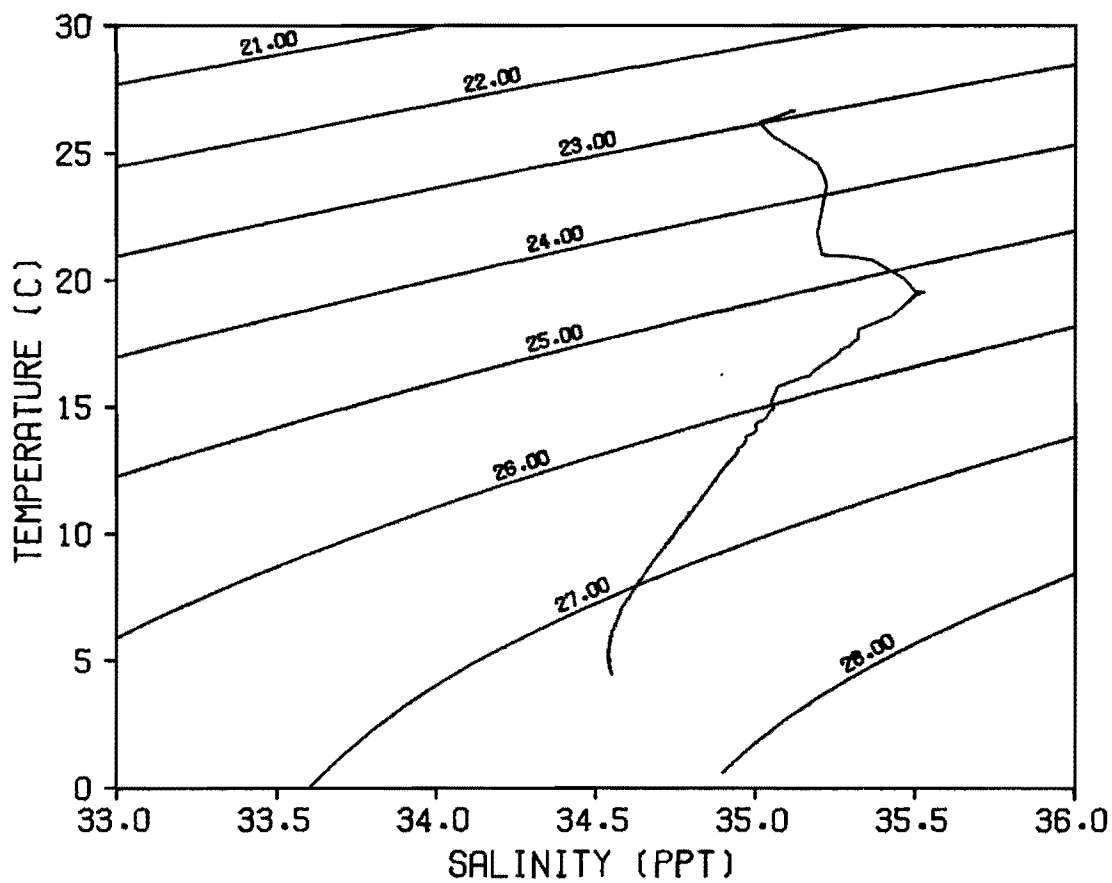


CAST EP4-79-0C-034 DATE 04 JUN 79 TIME 0536 GMT
 LAT 4 30.25 LONG 110 00.04 WEATHER 1 SEA STATE 3
 BAROMETER 15 WIND DIR 090 T SPD 16 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 26.3 4FT 23.9 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	DKY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.817	35.127	4.51	22.891	.000
10	26.817	35.142	4.61	22.901	.050
20	26.813	35.139	4.47	22.901	.099
30	26.770	35.139	4.46	22.914	.149
40	26.735	35.140	4.51	22.926	.199
50	26.529	35.089	4.57	22.936	.248
60	21.699	35.297	4.21	22.933	.298
70	17.550	35.070	3.90	22.953	.333
80	15.810	35.103	3.90	22.987	.364
90	14.479	35.028	3.35	22.987	.387
100	13.645	34.966	3.00	22.924	.407
110	13.401	34.953	1.87	22.950	.423
120	13.180	34.940	.81	22.928	.443
130	12.993	34.930	.60	22.937	.461
140	12.883	34.921	.58	22.932	.475
150	12.762	34.914	.59	22.931	.495
160	12.659	34.907	.51	22.940	.512
170	12.615	34.902	.51	22.941	.529
180	12.535	34.897	.38	22.923	.546
190	12.481	34.897	.25	22.933	.562
200	12.121	34.873	.25	22.945	.579
250	11.628	34.850	.31	22.953	.660
300	11.928	34.804	.33	22.954	.740
350	9.814	34.737	.23	22.977	.816
400	8.780	34.674	.40	22.917	.856
450	8.094	34.635	.69	22.947	.950
500	7.589	34.609	.91	22.947	1.010
530				27.047	

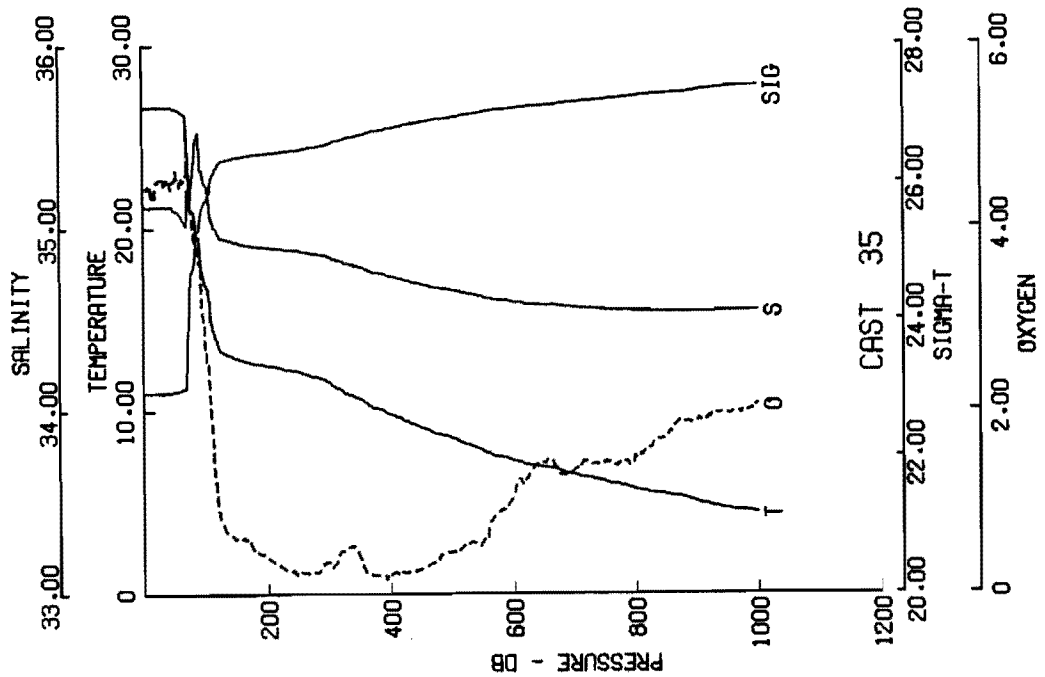


CAST EP4-79-0C-035 DATE 04 JUN 79 TIME 0900 GMT
LAT 5 01.2S LONG 109 59.3W

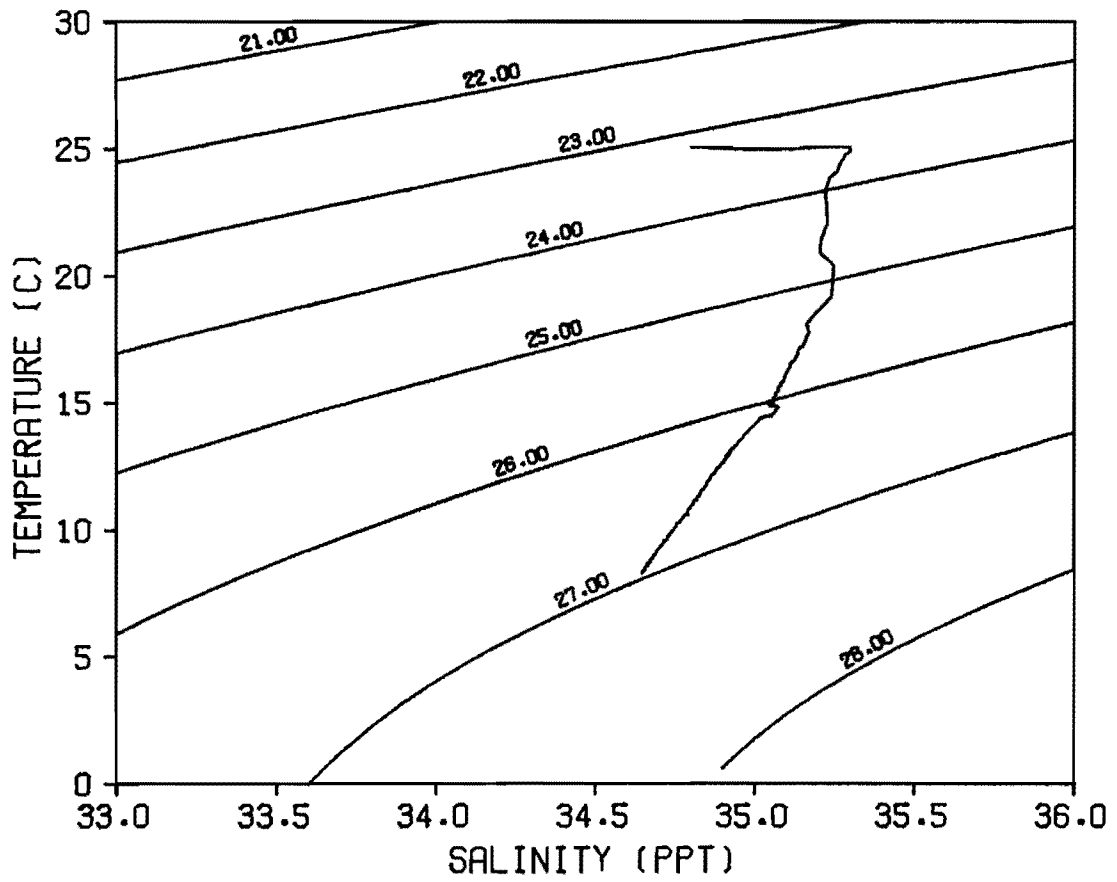


EP4-79-DC-035 DATE 04 JUN 79 TIME 0000 GMT
 CAST 5 01.25 LONG 109 59.3W WEATHER 0 SEA STATE 5
 LAT 5 01.25 LONG 109 59.3W DIR 110 T SPD 18 KT VISIBILITY 7 M
 BAROMETER 14 WIND DRY 26.0 WET 23.2
 CLOUD 7 AMOUNT 3 DRY 26.0 WET 23.2

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T (DYN-M)
0	26.659	35.116	4.37	22.933	0.00
10	26.659	35.120	4.46	22.933	0.09
20	26.669	35.121	4.52	22.932	0.148
30	26.651	35.102	4.52	22.939	0.198
40	26.572	35.107	4.52	22.947	0.247
50	26.458	35.045	4.60	22.914	0.246
60	25.925	35.305	3.92	22.733	0.312
70	20.417	35.200	3.62	22.573	0.436
80	16.937	35.243	2.86	22.606	0.458
90	14.812	34.972	1.97	22.632	0.477
100	13.179	34.942	1.72	22.635	0.494
110	13.047	34.936	1.64	22.637	0.511
120	12.889	34.914	1.60	22.638	0.528
130	12.777	34.902	1.60	22.640	0.542
140	12.684	34.899	1.45	22.641	0.579
150	12.545	34.896	1.44	22.644	0.596
160	12.465	34.878	1.40	22.644	0.614
170	12.168	34.875	1.34	22.644	0.674
180	11.579	34.789	1.39	22.648	0.774
190	10.810	34.791	1.19	22.679	0.848
200	9.810	34.660	1.26	22.696	0.917
250	8.513	34.622	1.45	22.698	1.045
300	7.219	34.578	1.05	22.700	1.152
350	6.511	34.567	1.43	22.709	1.264
400	6.143	34.553	1.43	22.716	1.314
450	5.689	34.542	1.43	22.720	1.367
500	5.325	34.542	1.43	22.725	1.411
550	5.025	34.547	1.43	22.731	1.451
600	4.638	34.551	1.43	22.737	1.493
650	4.438	34.551	1.43	22.740	1.531
700	4.438	34.551	1.43	22.744	1.571
750	4.438	34.551	1.43	22.747	1.611
800	4.438	34.551	1.43	22.750	1.651
850	4.438	34.551	1.43	22.753	1.691
900	4.438	34.551	1.43	22.756	1.731
950	4.438	34.551	1.43	22.759	1.771
998	4.438	34.551	1.43	22.762	1.811

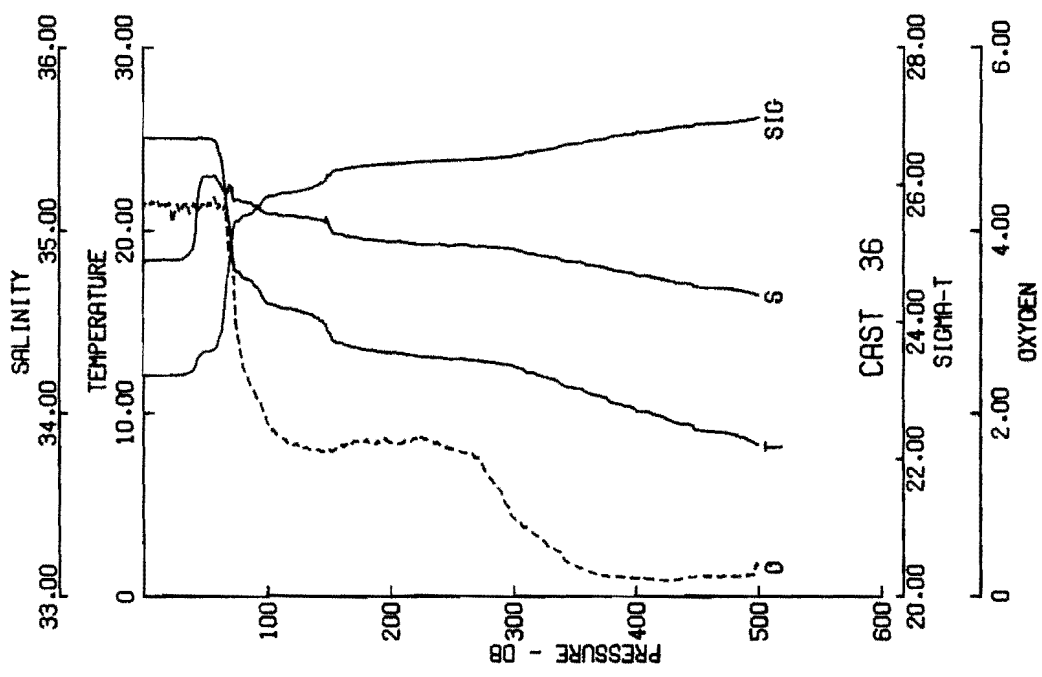


CAST EP4-79-0C-036 DATE 05 JUN 79 TIME 1446 GMT
LAT 4 00.0S LONG 105 00.0W

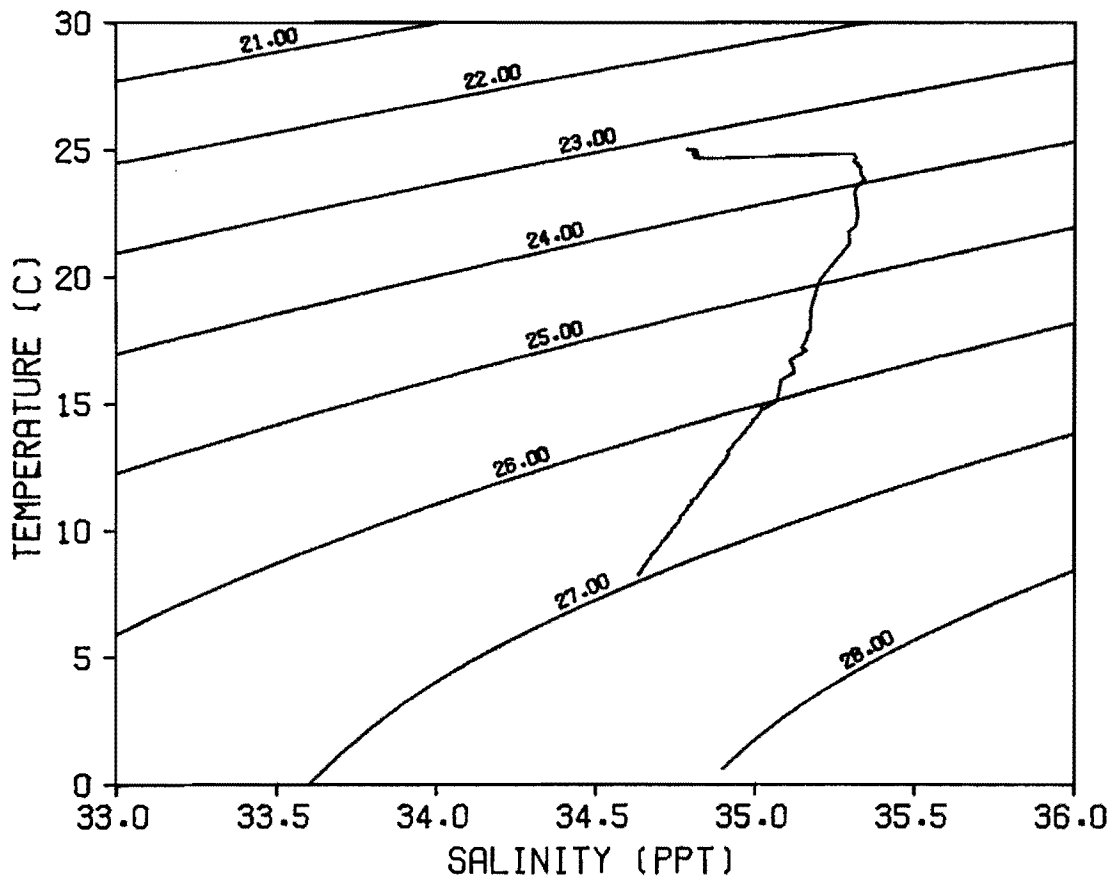


CAST EP4-79-DC-036 DATE 05 JUN 79 TIME 1446 GMT
 LAT 4 00.0S LONG 105 00.0W WFAATHER 1 SFA STATE 3
 BAROMETER 15 WIND DIR 128 T SPD 15 KT VISIRILITY 7
 CLOUD 0 AMOUNT 5 DRY 26.0 WET 23.9

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	25.075	34.801	4.22	23.187	.000
10	25.056	34.839	4.31	23.221	.047
20	25.056	34.840	4.20	23.222	.093
30	25.024	34.843	4.30	23.225	.140
40	25.000	34.929	4.26	23.249	.187
50	25.045	35.273	4.26	23.271	.231
60	20.511	35.247	3.69	23.271	.274
70	17.438	35.161	3.51	23.295	.317
80	16.035	35.136	3.00	23.264	.362
90	16.035	35.094	2.00	23.229	.385
100	15.802	35.086	1.75	23.187	.407
110	15.692	35.083	1.61	23.187	.428
120	15.490	35.073	1.61	23.193	.449
130	15.218	35.064	1.60	23.190	.470
140	14.428	35.038	1.58	23.142	.491
150	13.841	34.979	1.65	23.225	.509
160	13.421	34.963	1.68	23.235	.509
170	13.466	34.950	1.70	23.235	.546
180	13.377	34.946	1.69	23.277	.546
190	13.303	34.940	1.68	23.292	.582
200	13.250	34.917	1.61	23.302	.582
250	12.580	34.899	1.86	23.356	.670
300	11.551	34.828	1.84	23.416	.756
350	10.167	34.755	1.30	23.495	.837
400	9.056	34.691	1.22	23.511	.910
450	8.269	34.646	1.34	23.511	.977
500	8.269	34.646	1.34	23.511	1.040

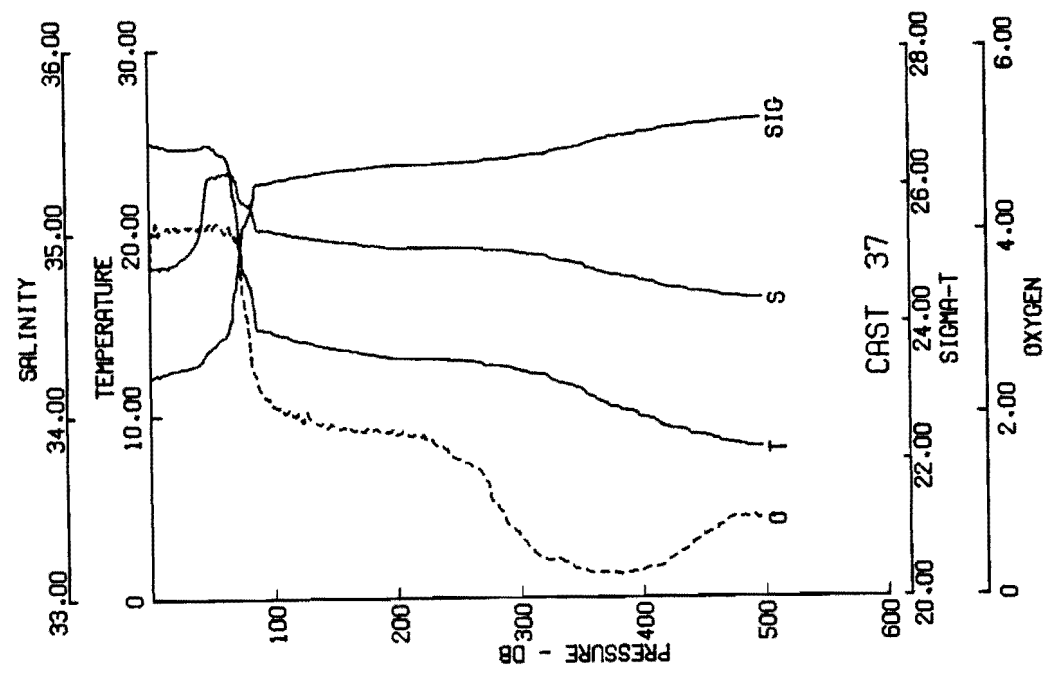


CAST EP4-79-0C-037 DATE 05 JUN 79 TIME 2038 GMT
LAT 3 00.0S LONG 105 00.0W

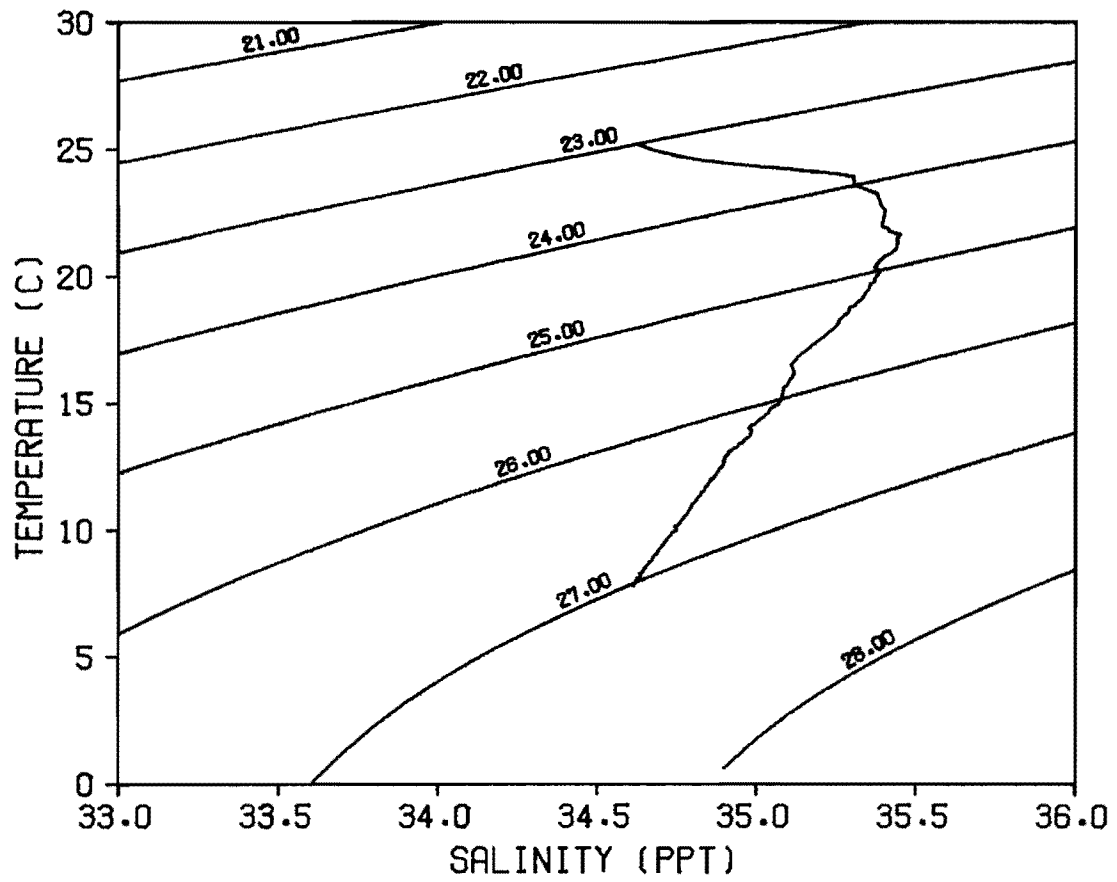


CAST EP4-79-DC-037 DATE 05 JUN 79 TIME 2038 GMT
 LAT 03 LONG 105 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 1010.0 Y WIND DIR 110 Y SPD 10 KT VISIBILITY R
 CLOUD 2 AMOUNT 5 DRY 27.0 WET 24.5 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-S
0	25.026	34.788	3.04	23.180	.046
10	24.672	34.834	4.04	23.332	.092
20	24.672	34.880	4.04	23.474	.138
30	24.729	35.005	4.05	23.618	.184
40	24.752	35.330	4.01	23.660	.208
50	21.275	35.147	3.95	25.603	.324
60	17.170	35.021	2.27	26.067	.355
70	14.536	35.012	2.10	26.099	.375
80	14.351	34.999	2.08	26.127	.394
90	13.718	34.984	1.96	26.191	.432
100	13.788	34.952	1.89	26.227	.450
110	13.673	34.954	1.87	26.251	.467
120	13.582	34.948	1.83	26.271	.487
130	13.441	34.936	1.83	26.290	.503
140	13.393	34.921	1.81	26.318	.521
150	13.120	34.915	1.78	26.348	.549
160	12.420	34.886	1.51	26.435	.647
170	11.602	34.829	1.29	26.583	.733
180	8.853	34.732	.86	26.787	.814
190	8.217	34.636	.86	26.975	.845
200					.950

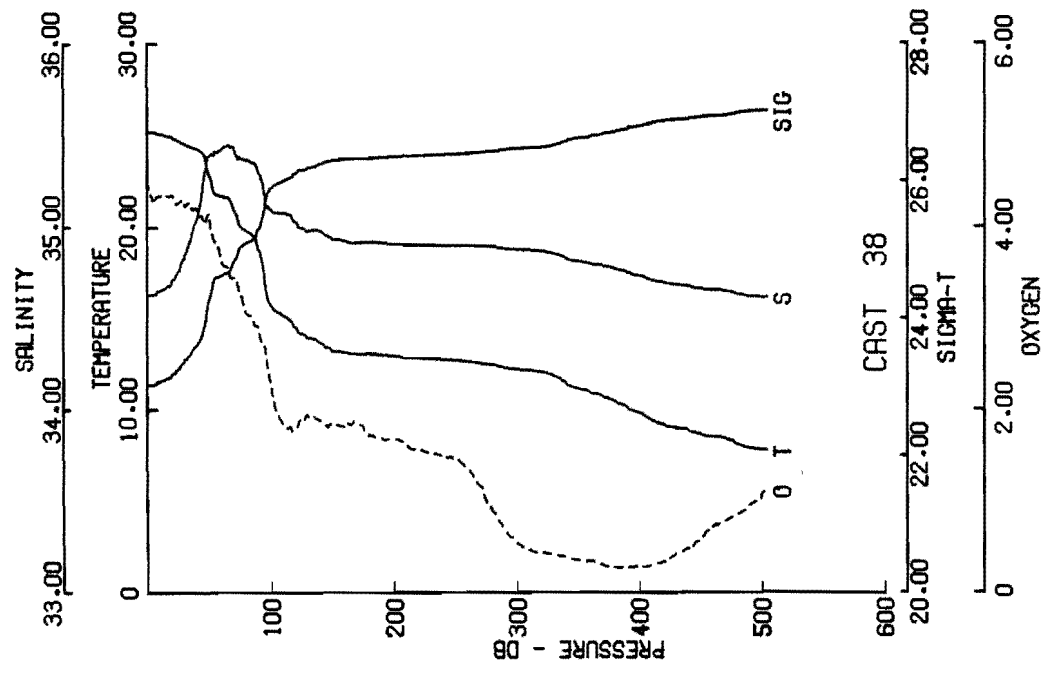


CAST EP4-79-0C-038 DATE 06 JUN 79 TIME 0247 GMT
LAT 2 00.0S LONG 105 00.0W

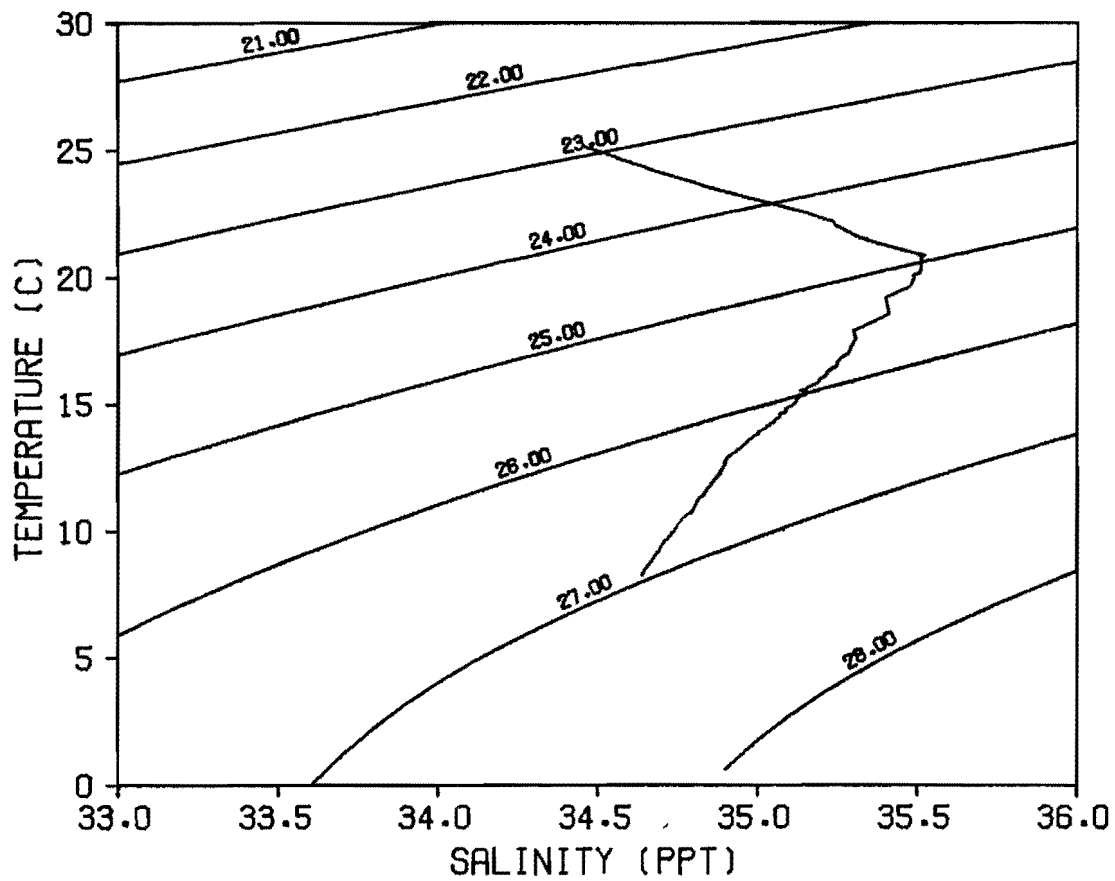


CAST EP4-79-0C-038 DATE 06 JUN 79 TIME 0247 GMT
 LAT 2 00.05 LONG 105 00.04 WEATHER 1 SEA STATE 4
 BAROMETER 13 WIND DIR 140 T SPD 14 KT VISIBILITY 7
 CLOUD 0 AMOUNT 2 DRY 24.9 WET 23.2 M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	25.210	34.626	4.50	23.014	.000
10	25.072	34.653	4.33	23.075	.048
20	24.862	34.713	4.34	23.185	.096
30	24.530	34.852	4.22	23.390	.142
40	24.266	35.052	4.19	23.620	.187
50	22.817	35.390	4.09	24.099	.227
60	21.727	35.431	3.60	24.639	.261
70	20.931	35.423	3.44	24.821	.294
80	19.803	35.371	3.06	25.113	.322
90	18.753	35.292	2.84	25.324	.352
100	15.676	35.079	2.24	25.912	.397
110	14.506	35.028	1.78	26.118	.415
120	13.953	34.980	1.92	26.108	.435
130	13.651	34.981	1.67	26.226	.454
140	13.236	34.934	1.42	26.311	.472
150	13.143	34.912	1.61	26.320	.499
160	13.052	34.918	1.71	26.336	.507
170	12.947	34.911	1.68	26.344	.524
180	12.990	34.907	1.69	26.351	.542
190	12.695	34.877	1.45	26.391	.569
200	12.210	34.879	1.53	26.471	.645
250	11.137	34.809	.53	26.620	.729
300	9.803	34.731	.28	26.794	.809
350	8.664	34.662	.57	26.924	.881
400	7.798	34.614	1.07	27.021	.944
500	7.784	34.614	1.12	27.023	1.003

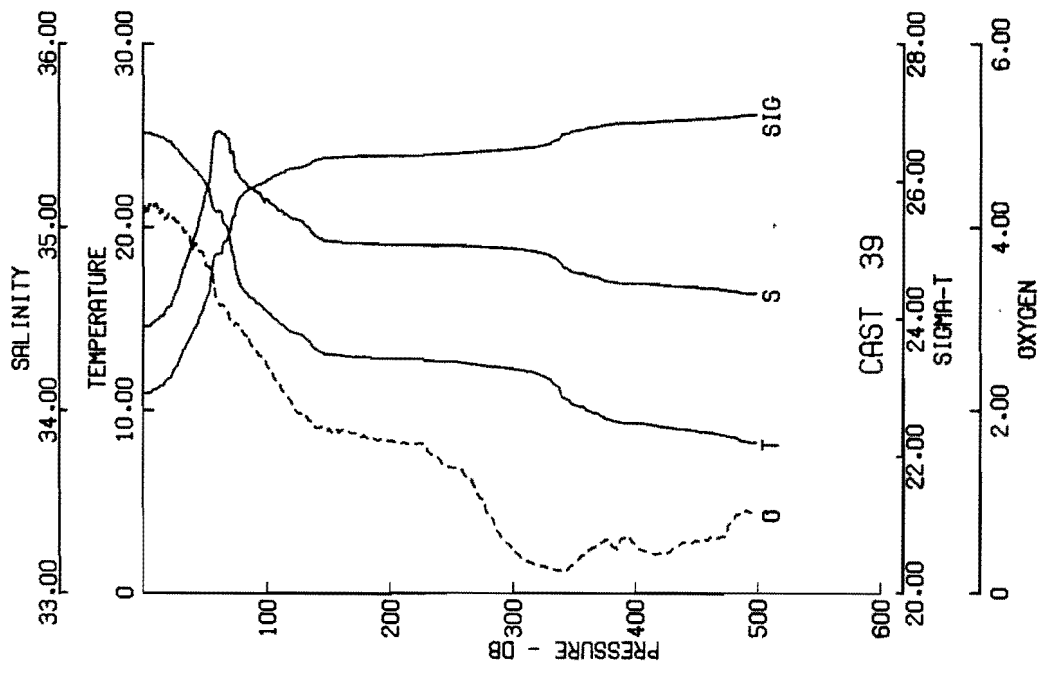


CAST EP4-79-0C-039 DATE 06 JUN 79 TIME 0837 GMT
LAT 1 00.0S LONG 105 00.0W

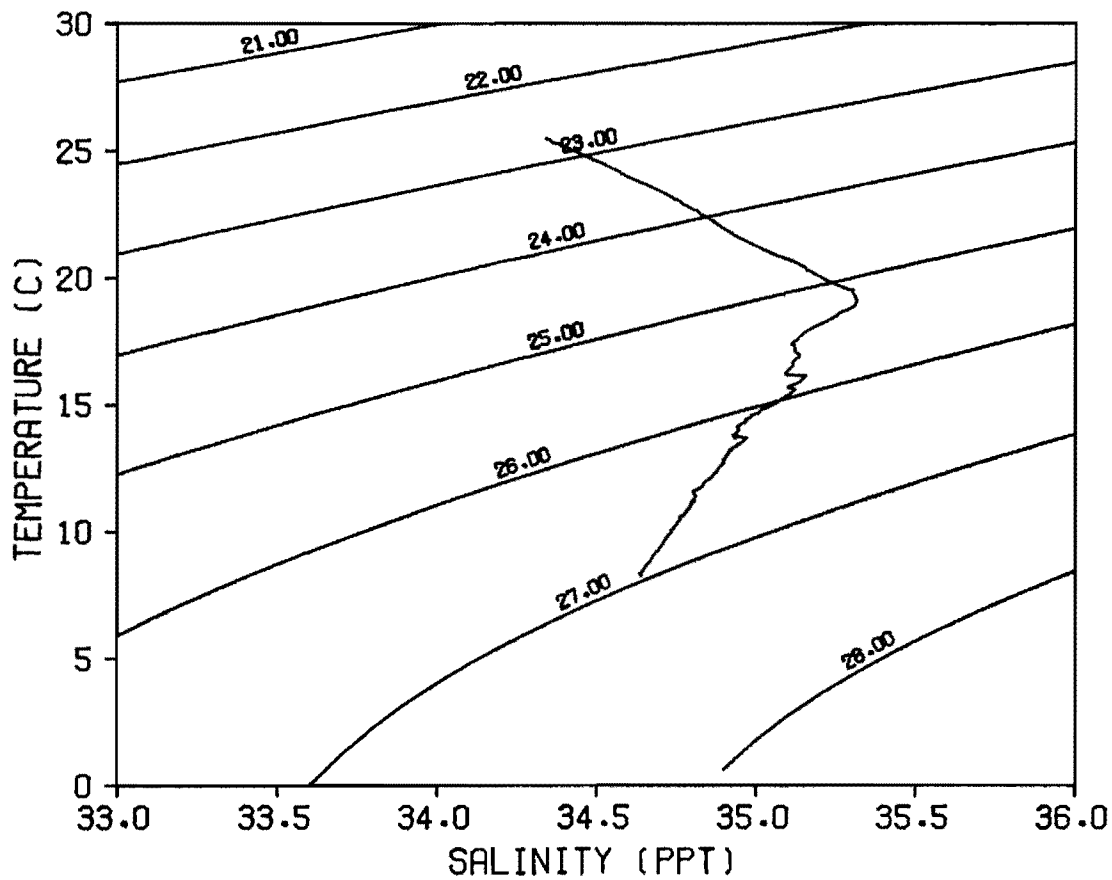


CAST FP4-79-DC-039 DATE 06 JUN 79 TIME 0837 GMT
 LAT 1 00.05 LONG 105 00.00 WEAIRFR 2 SEA STATE 3
 BAROMETR 13 WIND DRY 130 KT SPD 14 KT VISIRLITY 8
 CLOUD X AMOUNT 8 DRY 24.8 WET 23.8 DEPTH M

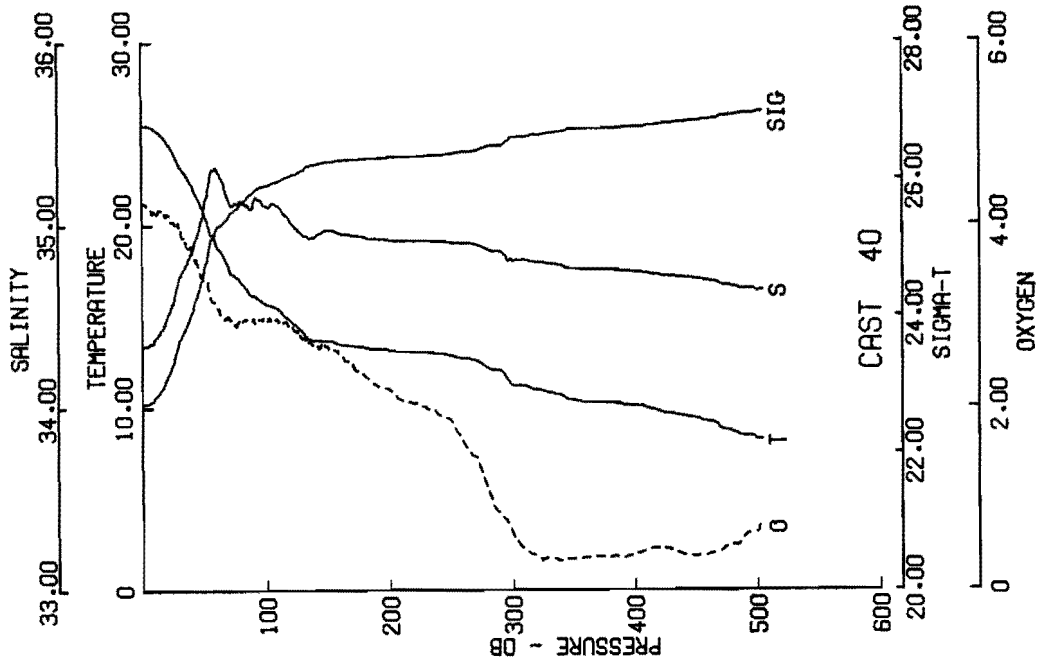
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	25.141	34.459	4.25	22.968	.000
10	24.698	34.564	4.14	23.122	.098
20	23.254	34.723	4.03	23.444	.144
30	22.411	35.130	3.79	23.825	.187
40	20.861	35.522	3.60	24.265	.226
50	19.210	35.402	3.18	24.945	.259
60	17.691	35.254	2.99	25.799	.289
70	16.989	35.196	2.86	25.917	.313
80	15.408	35.154	2.66	26.102	.334
90	14.788	35.104	2.49	26.341	.355
100	14.283	35.044	2.28	26.585	.375
110	13.834	35.021	2.08	26.815	.394
120	13.334	34.951	1.80	27.035	.413
130	12.913	34.916	1.80	27.341	.444
140	12.304	34.911	1.77	27.635	.466
150	12.304	34.904	1.77	27.959	.483
160	12.826	34.903	1.66	28.365	.500
170	12.276	34.882	1.63	28.770	.517
180	11.946	34.752	1.46	29.161	.535
190	11.846	34.671	1.31	29.540	.704
200	11.846	34.671	1.17	29.911	.845
250	8.239	34.638	1.07	30.276	.912
300	8.239		1.07		
350			1.07		
400			1.07		
450			1.07		
498			1.07		



CAST EP4-79-0C-040 DATE 06 JUN 79 TIME 1429 GMT
LAT 00 00.0N LONG 105 00.0W

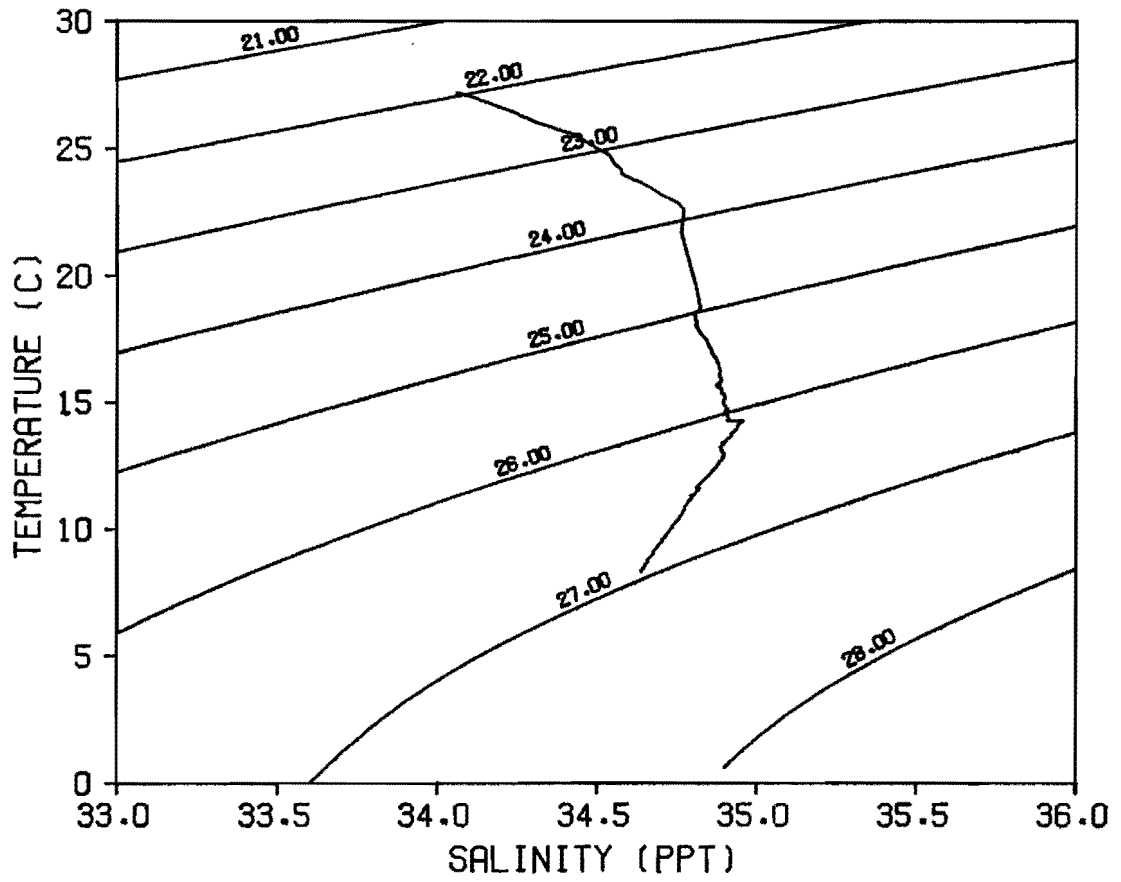


CAST EP4-79-DC-040 DATE 06 JUN 79 TIME 1429 GMT
 LAT 00.00N LONG 105 00.0W WEATHER 6 SEA STATE 6
 BAROMETER 13 WIND DTR 120 T SPD 15 KT VISIBILITY 7
 CLOUD 6 AMOUNT 7 DRY 24.4 WET 23.7



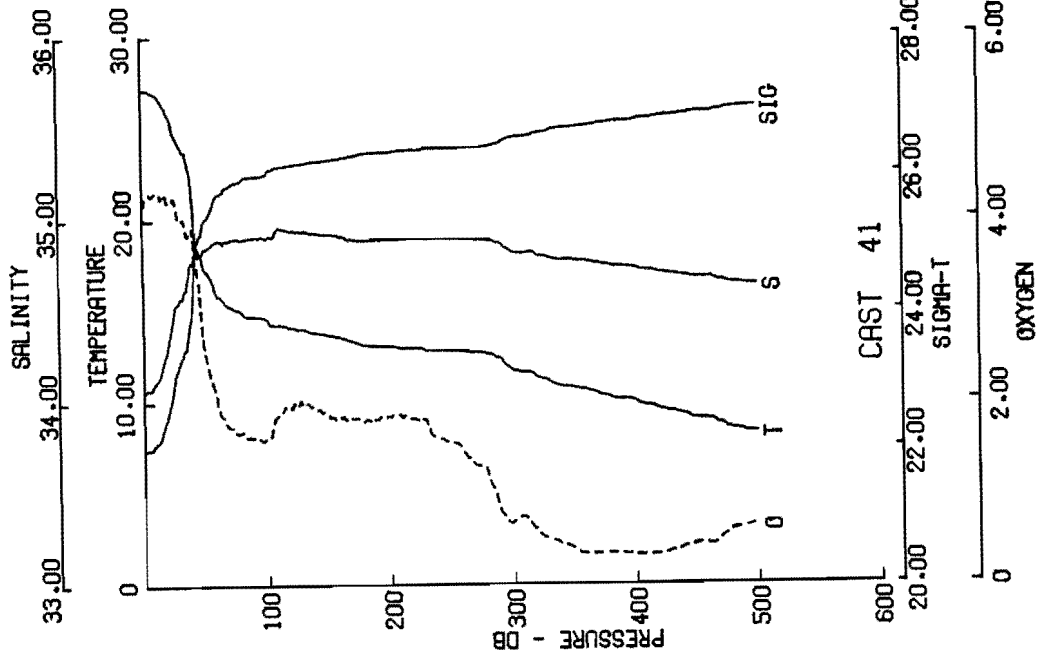
PRES (DB)	TEMP (C)	SAL (PPT)	DX (ML/L)	SIG-T	DELTA-D (DYN-M)
0	25.467	34.340	4.28	22.720	.000
10	25.255	34.379	4.12	22.814	.051
30	24.601	34.472	3.95	23.101	.146
40	23.256	34.857	3.69	23.655	.197
50	22.271	35.116	3.41	24.702	.252
60	18.689	35.304	3.19	25.307	.279
70	17.940	35.133	2.93	25.483	.303
80	16.941	35.130	2.98	25.671	.326
90	15.700	35.106	2.94	25.977	.347
100	15.425	35.108	2.94	26.050	.348
110	14.784	35.104	2.91	26.133	.349
120	14.746	34.947	2.76	26.217	.408
130	13.698	34.935	2.69	26.255	.427
140	13.658	34.973	2.67	26.278	.445
150	13.475	34.954	2.57	26.287	.464
160	13.389	34.943	2.54	26.297	.481
170	13.302	34.933	2.52	26.303	.499
180	13.235	34.922	2.50	26.318	.517
190	13.149	34.901	2.40	26.364	.535
200	12.822	34.802	2.28	26.599	.706
300	11.222	34.758	1.64	26.713	.780
350	10.306	34.738	.34	26.754	.840
400	9.390	34.701	.37	26.867	.850
450	8.239	34.639	.64	26.967	.917
504	8.239	34.639	.71	26.974	.979

CAST EP4-79-0C-041 DATE 06 JUN 79 TIME 2013 GMT
LAT 01 00.2N LONG 105 00.9W

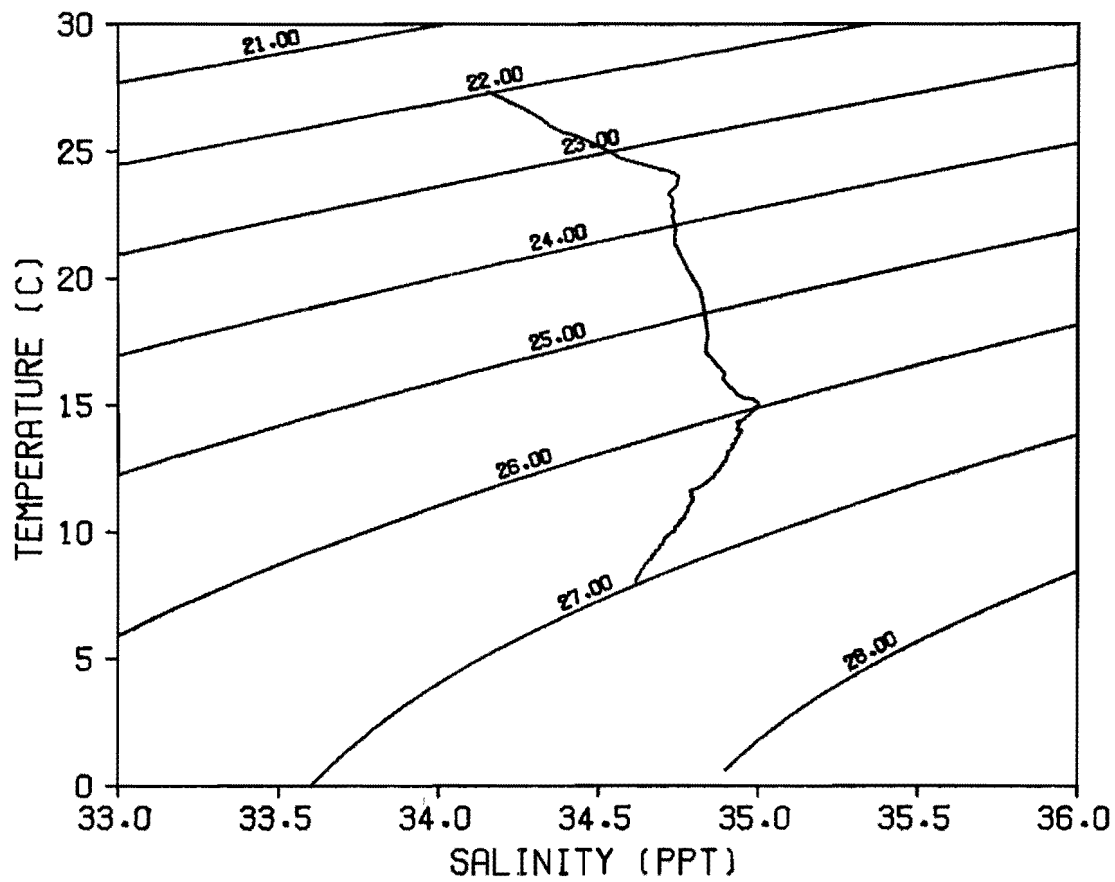


CAST EP4-79-DC-041 DATE 06 JUN 79 TIME 2013 GMT
 LAT 01 00.2N LUNG 105 00.9W SEA STATE 3
 BAROMETER 18 WIND DIR 130 T SPD 20 KT VISIBILITY 8
 CLDUD 8 AMOUNT 8 DRY 27.0 WET 23.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.179	34.061	4.17	21.973	.000
10	26.984	34.112	4.30	22.076	.058
20	26.035	34.306	4.20	22.518	.114
30	24.180	34.573	4.00	23.284	.207
40	21.673	34.762	3.91	24.146	.237
50	17.317	34.846	2.57	25.338	.262
60	15.890	34.892	1.74	25.706	.285
70	14.233	34.897	1.69	25.910	.307
80	14.739	34.897	1.61	25.974	.327
90	14.284	34.904	1.63	26.006	.348
100	14.276	34.907	1.87	26.112	.368
110	14.111	34.943	1.43	26.146	.387
120	14.012	34.939	1.46	26.155	.406
130	13.826	34.929	1.92	26.166	.425
140	13.808	34.920	1.89	26.209	.444
150	13.545	34.909	1.83	26.226	.462
160	13.324	34.887	1.81	26.261	.481
170	13.124	34.881	1.80	26.298	.498
180	13.069	34.891	1.81	26.315	.516
190	13.053	34.891	1.81	26.315	.534
200	12.808	34.897	1.56	26.367	.551
250	11.719	34.817	1.68	26.519	.621
300	10.723	34.770	.32	26.885	.783
350	9.985	34.730	.44	26.880	.853
400	8.307	34.638	.65	26.963	.919

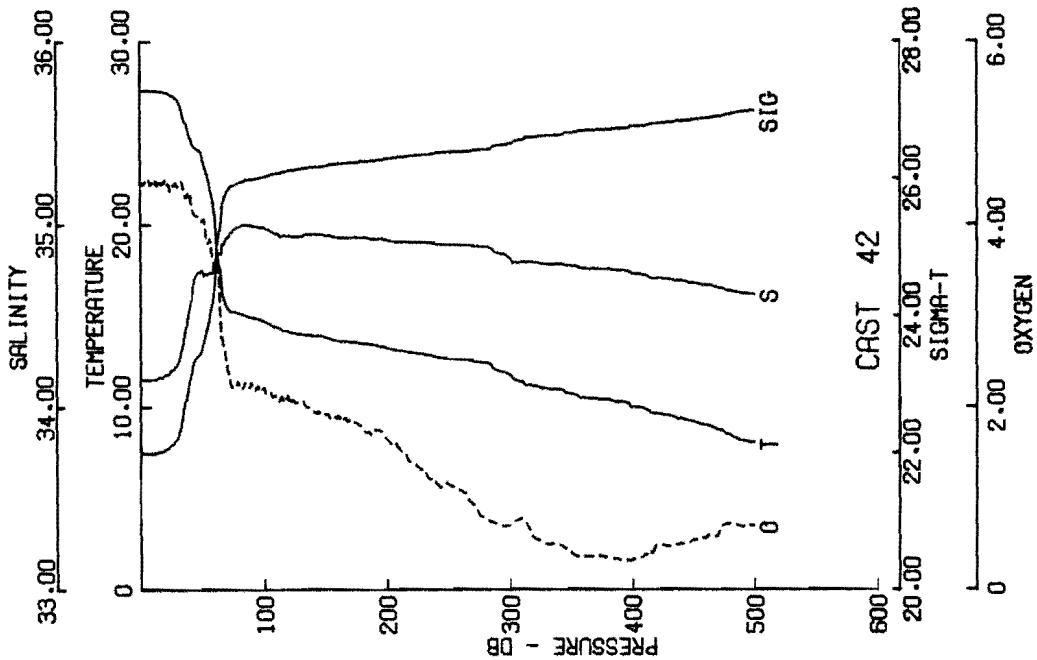


CAST EP4-79-0C-042 DATE 07 JUN 79 TIME 0155 GMT
LAT 02 00.1N LONG 105 00.0W

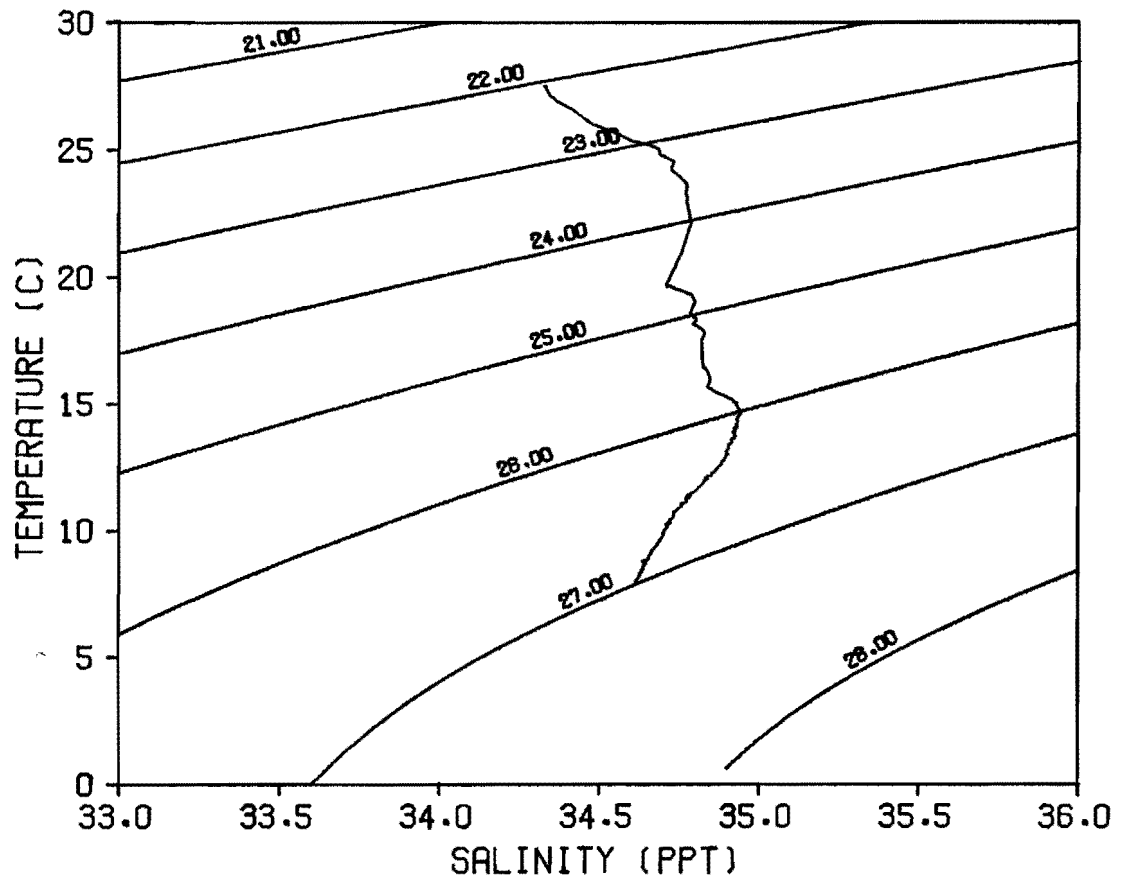


CAST ERA-79-CC-042 DATE 07 JUN 79 TIME 0155 GMT
 LAT 02 00.14 LONG 105 00.0W WEATHER 2 SEA STATE 7
 BAROMETER 11 WIND DIR 130 T SPD 17 KT VISIBILITY 7
 CLOUD 8 AMOUNT 3 DRY 25.4 WFT 24.1 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.324	34.151	4.48	21.994	.000
10	27.311	34.176	4.46	21.949	.058
20	26.674	34.156	4.42	22.025	.174
30	24.745	34.177	4.40	23.109	.226
40	23.634	34.178	4.35	23.519	.311
50	15.473	34.191	4.31	24.831	.338
60	15.146	34.196	4.24	25.950	.359
70	14.725	34.198	4.20	26.035	.370
80	14.327	34.195	4.20	26.085	.420
90	14.017	34.193	4.09	26.151	.458
100	13.935	34.194	4.05	26.177	.477
110	13.680	34.191	4.01	26.193	.496
120	13.587	34.188	4.00	26.227	.515
130	13.497	34.180	4.00	26.237	.533
140	13.423	34.183	4.00	26.255	.551
150	13.261	34.185	4.00	26.264	.570
160	11.704	34.181	4.00	26.321	.675
170	10.702	34.173	4.00	26.371	.759
180	10.002	34.173	4.00	26.370	.834
190	9.179	34.173	4.00	26.370	.906
200	8.059	34.167	4.00	26.370	.972

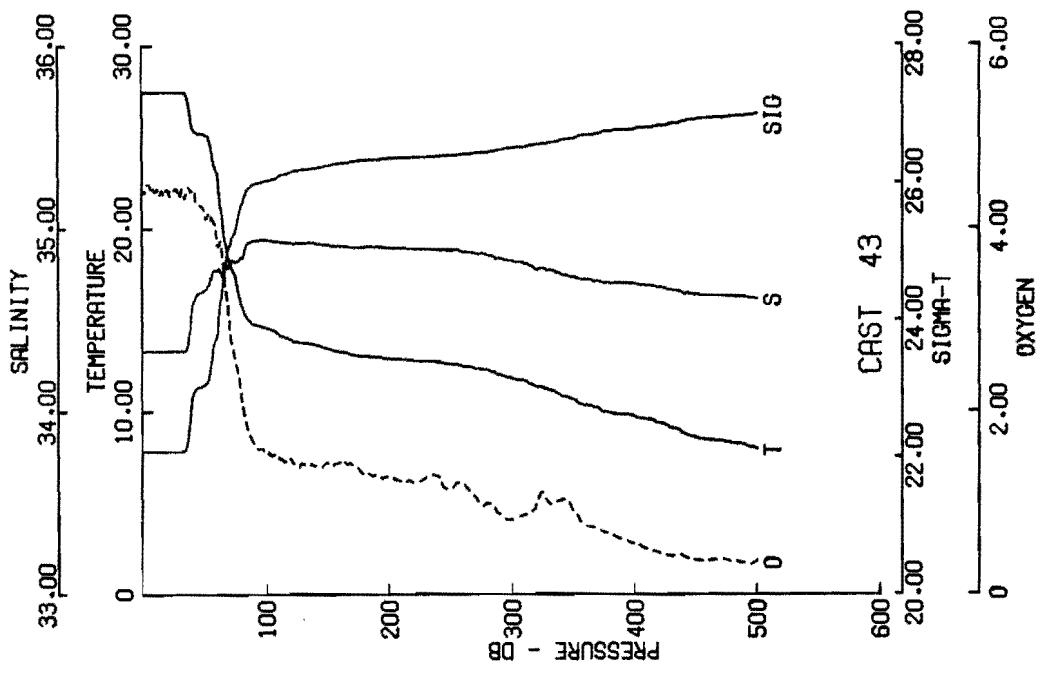


CAST EP4-79-0C-043 DATE 07 JUN 79 TIME 0745 GMT
LAT 02 59.0N LONG 105 00.5W

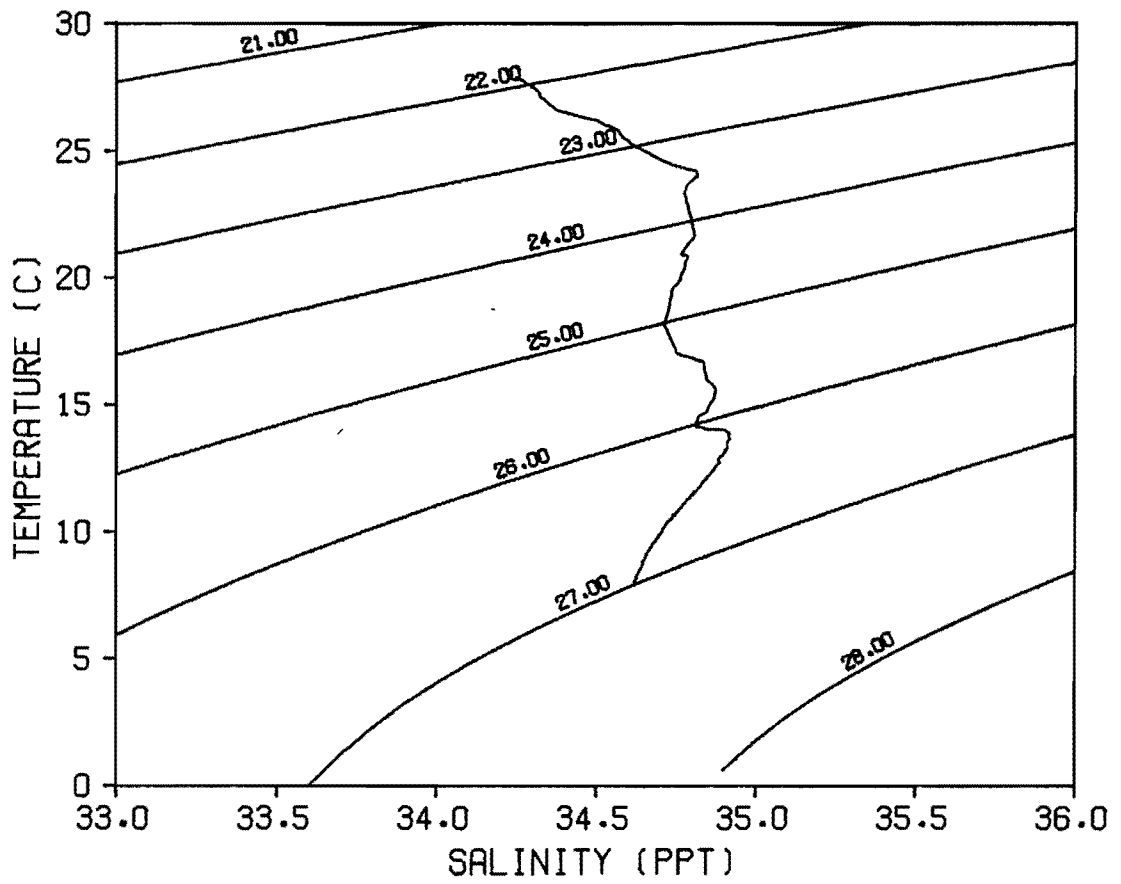


CAST FP4-79-0C-043 DATE 07 JUN 79 TIME 0745 GMT
 LAT 02 50.0Y LONG 105 00.5W WEATHER 2 SEA STATE 3
 BAROMETER 12 WIND DIR 140.1 SPD 18 KT VISIBILITY 8
 CLOUD 8 AMOUNT 8 WET 26.0 WET 23.5

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.479	34.329	4.44	22.078	.000
10	27.481	34.330	4.40	22.077	.058
20	27.481	34.330	4.43	22.079	.173
30	25.414	34.561	4.49	23.851	.278
40	23.126	34.977	4.90	25.747	.324
50	18.301	34.805	2.17	25.066	.385
60	15.791	34.941	1.64	25.986	.427
70	14.284	34.935	1.50	26.036	.447
80	13.934	34.924	1.42	26.108	.466
90	13.753	34.926	1.40	26.198	.485
100	13.554	34.913	1.44	26.253	.504
110	13.256	34.905	1.41	26.311	.522
120	13.010	34.902	1.33	26.352	.540
130	12.972	34.898	1.29	26.350	.558
140	12.681	34.891	1.28	26.355	.593
150	12.583	34.824	1.16	26.401	.610
160	10.573	34.736	.91	26.507	.679
170	8.574	34.640	.75	26.647	.827
180	7.957	34.616	.37	26.823	.922
190			.36	26.999	1.053

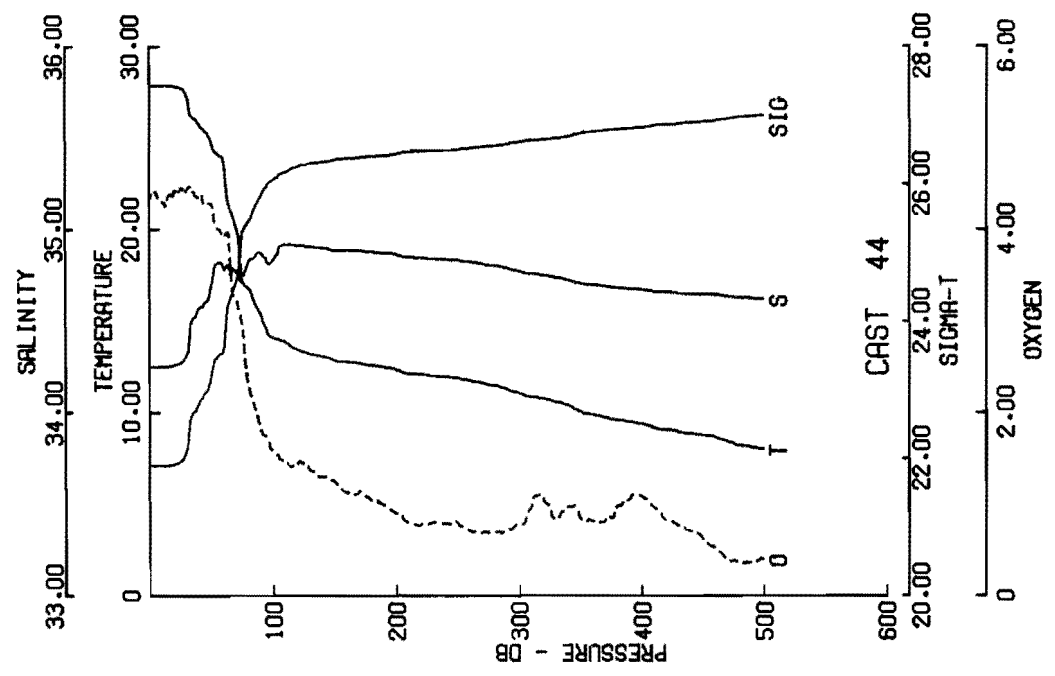


CAST EP4-79-0C-044 DATE 07 JUN 79 TIME 1337 GMT
LAT 04 00.0N LONG 105 00.0W

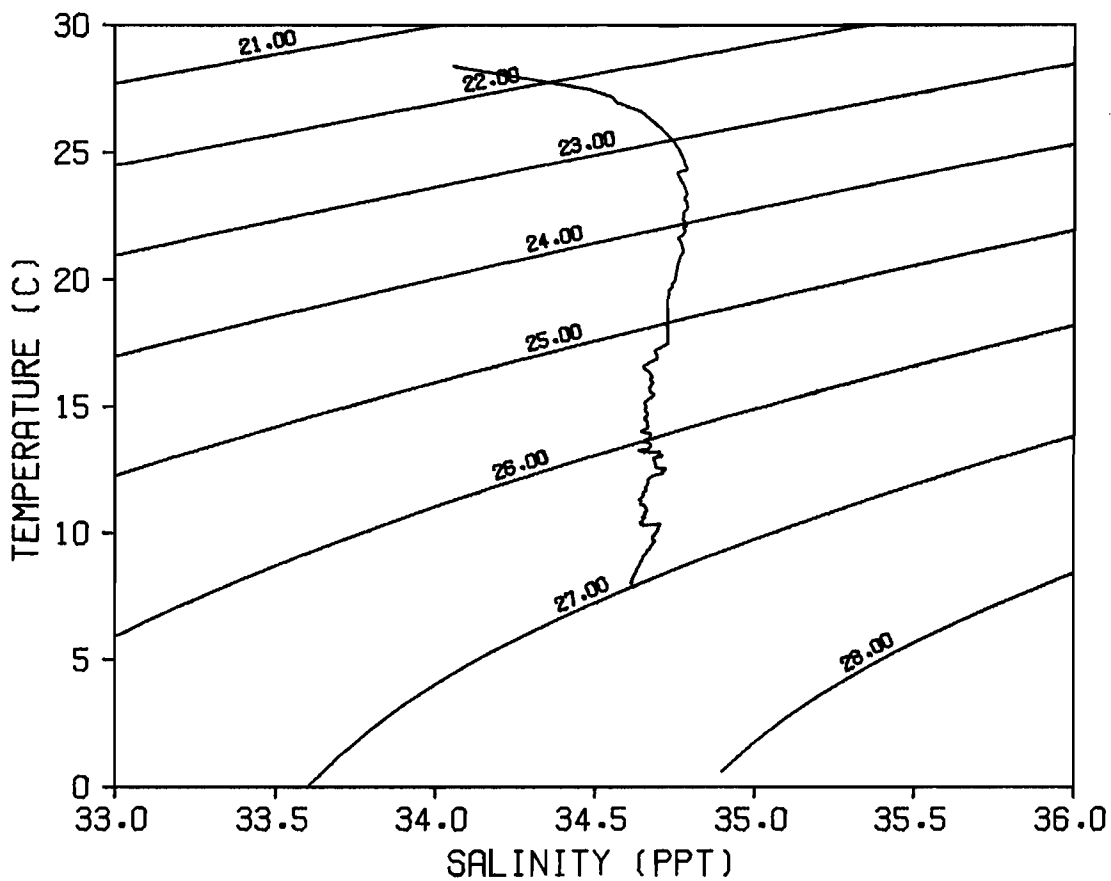


CAST EP4-79-DC-044 DATE 07 JUN 79 TIME 1337 GMT
 LAT 04 00.0N LONG 105 00.0M WEATHER 1 SEA STATE F
 BAROMETER 12 WIND DIR 130 T SPD 22 KT VISIBILITY 7
 CLOUD 6 AMOUNT 5 DRY 26.2 WET 23.5 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	DXY (ML/L)	SIG-T	DELTA-D
0	27.368	34.247	4.37	21.891	.000
10	27.826	34.252	4.31	21.895	.059
20	27.319	34.259	4.43	21.913	.177
30	25.765	34.318	4.35	22.121	.280
40	24.753	34.568	4.38	23.200	.324
50	23.620	34.747	3.95	23.592	.362
60	21.761	34.878	3.25	25.448	.391
70	19.363	34.872	2.80	25.810	.415
80	14.396	34.832	1.59	26.054	.435
90	13.352	34.911	1.47	26.170	.473
100	13.436	34.911	1.45	26.252	.491
110	13.207	34.905	1.30	26.302	.509
120	12.845	34.885	1.25	26.350	.526
130	12.701	34.887	1.22	26.380	.543
140	12.577	34.884	1.14	26.399	.560
150	12.476	34.876	1.10	26.413	.574
160	12.338	34.863	.90	26.432	.594
170	11.635	34.831	.77	26.469	.610
180	11.073	34.771	.85	26.509	.670
190	8.377	34.670	1.08	26.731	.843
200	8.019	34.647	.60	26.901	.910
250				26.993	.974
300					
350					
400					
450					
499					

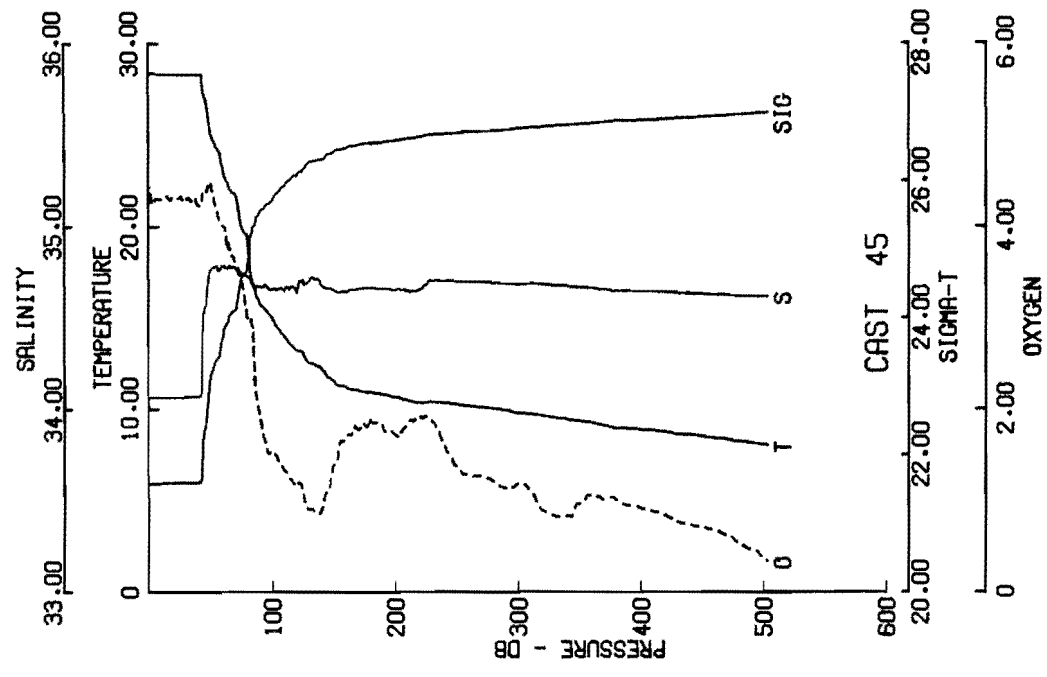


CAST EP4-79-0C-045 DATE 07 JUN 79 TIME 2007 GMT
LAT 05 00.0N LONG 104 59.0W

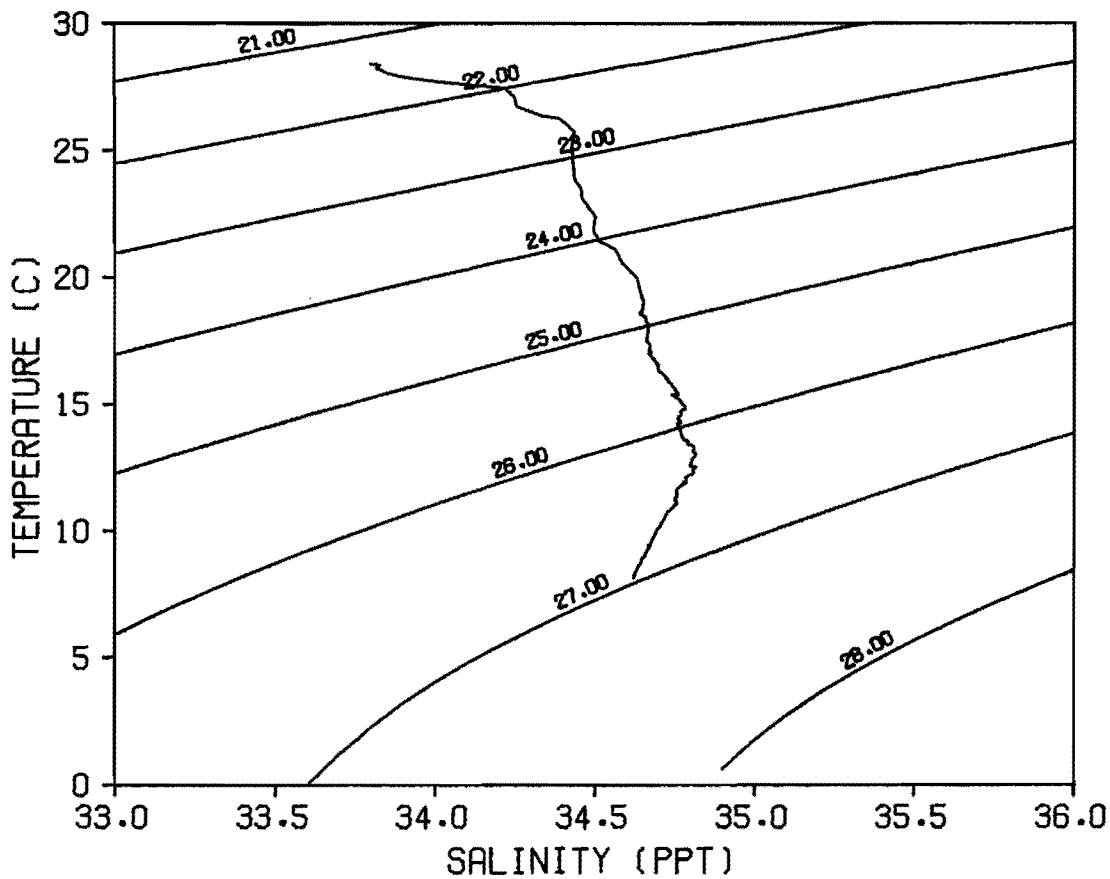


CAST EP4-79-CC-045 DATE 07 JUN 79 TIME 2007 GMT
 LAT 05 00.0N LONG 104 59.0W SEA STATE 3
 BAROMETER 11 WIND DIR 150 T SPD 20 KT VISIBILITY 8
 CLOUD 8 AMOUNT 5 DRY 26.0 WET 24.0 MET 24.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D
0	38.9	34.057	4.51	21.577	.000
10	35.9	34.065	4.33	21.593	.062
20	33.38	34.065	4.29	21.602	.125
30	28.330	34.066	4.24	21.606	.187
40	25.028	34.069	4.48	21.615	.249
50	23.250	34.078	4.01	21.727	.305
60	19.192	34.072	3.60	24.127	.380
70	15.753	34.065	1.91	24.781	.424
80	14.011	34.064	1.34	25.569	.472
90	13.258	34.073	1.01	25.927	.497
100	12.242	34.079	.88	26.072	.517
110	11.562	34.054	.69	26.311	.536
120	11.021	34.054	1.39	26.421	.570
130	10.921	34.057	1.77	26.478	.602
140	10.805	34.058	1.86	26.522	.618
150	10.645	34.050	1.79	26.566	.633
160	10.438	34.059	1.72	26.585	.644
170	9.737	34.059	1.36	26.595	.721
180	8.556	34.065	1.06	26.621	.780
190	8.492	34.064	.92	26.882	.857
200	8.052	34.063	.72	26.928	.920
250	8.010	34.061	.53	26.984	.982
300		34.061		26.990	1.042

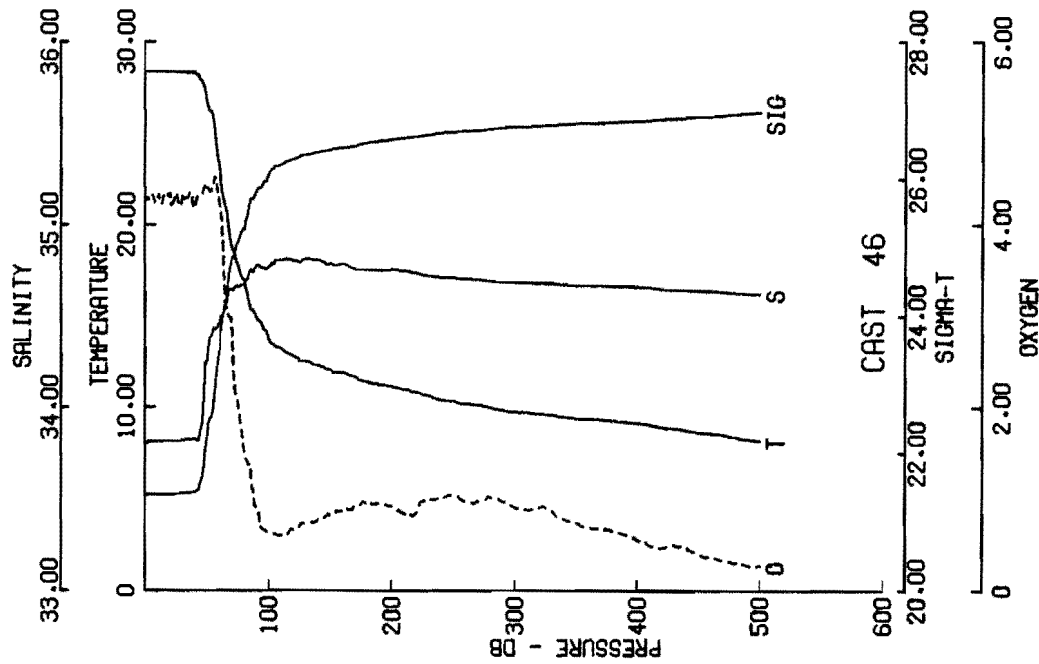


CAST EP4-79-0C-046 DATE 08 JUN 79 TIME 0152 GMT
LAT 06 00.1N LONG 104 59.8W



CAST EP4-79-0C-046 DATE 08 JUN 79 TIME 0152 GMT
 LAT 06 00. IN LONG 104 59.8W WEATHER 2 SEA STATE 5
 BAKOMETER 11 WIND DIR 150 T SPD 17 KT VISIBILITY 7
 CLOUD 3 AMOUNT 6 DRY 26.4 WET 24.9 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	CHL (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.390	33.797	4.30	21.382	.000
10	28.391	33.814	4.29	21.396	.064
20	28.348	33.816	4.35	21.413	.192
30	28.328	33.829	4.30	21.426	.256
40	28.276	33.858	4.41	22.450	.318
50	28.100	34.462	4.21	23.516	.368
60	18.607	34.658	2.85	24.875	.406
70	17.916	34.668	1.90	25.840	.450
80	14.916	34.772	.64	26.087	.480
90	13.254	34.810	.60	26.212	.498
100	12.525	34.804	.67	26.296	.516
110	12.525	34.811	.73	26.398	.534
120	12.076	34.819	.77	26.428	.551
130	11.976	34.787	.82	26.460	.567
140	11.976	34.759	.87	26.482	.583
150	11.976	34.759	.93	26.534	.599
160	11.976	34.759	.93	26.561	.615
170	11.976	34.751	.93	26.581	.631
180	11.976	34.711	1.03	26.687	.646
190	11.976	34.687	1.03	26.767	.719
200	9.378	34.670	.74	26.817	.788
250	9.378	34.670	.40	26.851	.855
300	8.162	34.640	.27	26.916	.920
350	8.162	34.623	.27	26.973	.983
400					1.045
450					
500					



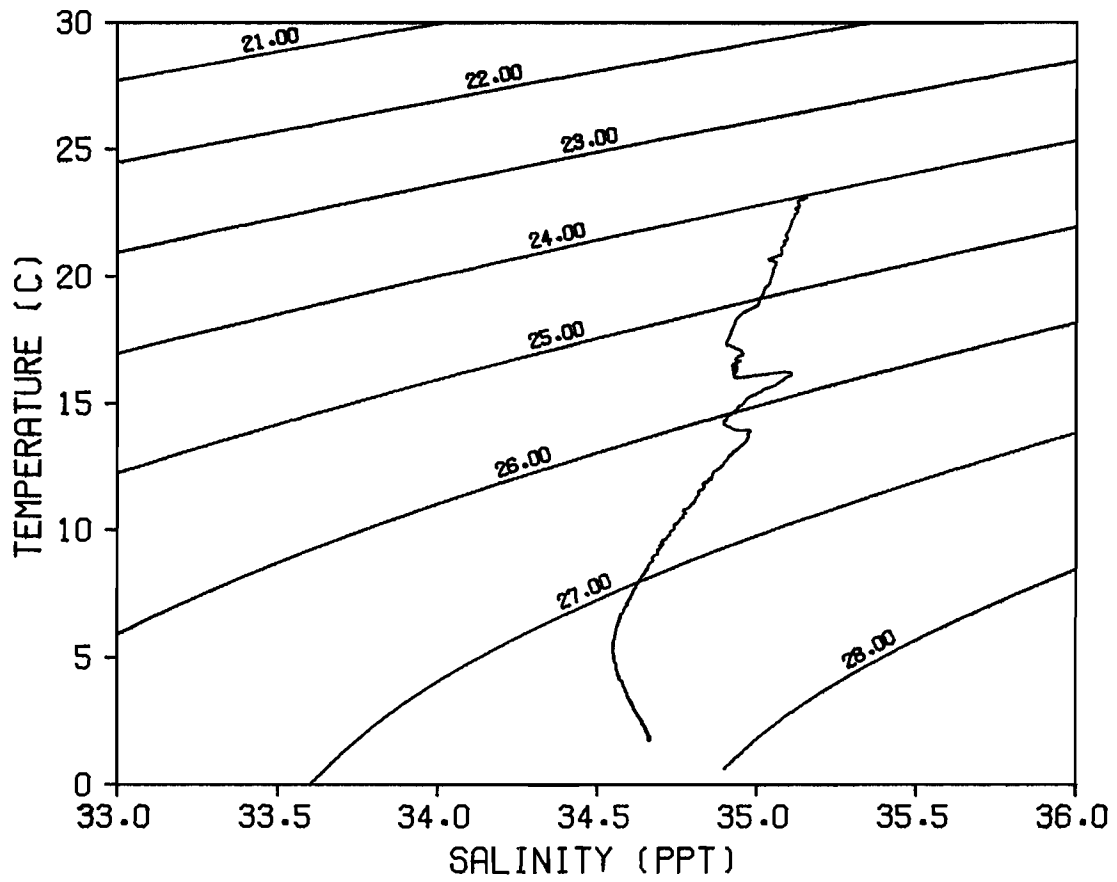


EP5-79-0C

26 June - 19 July 1979

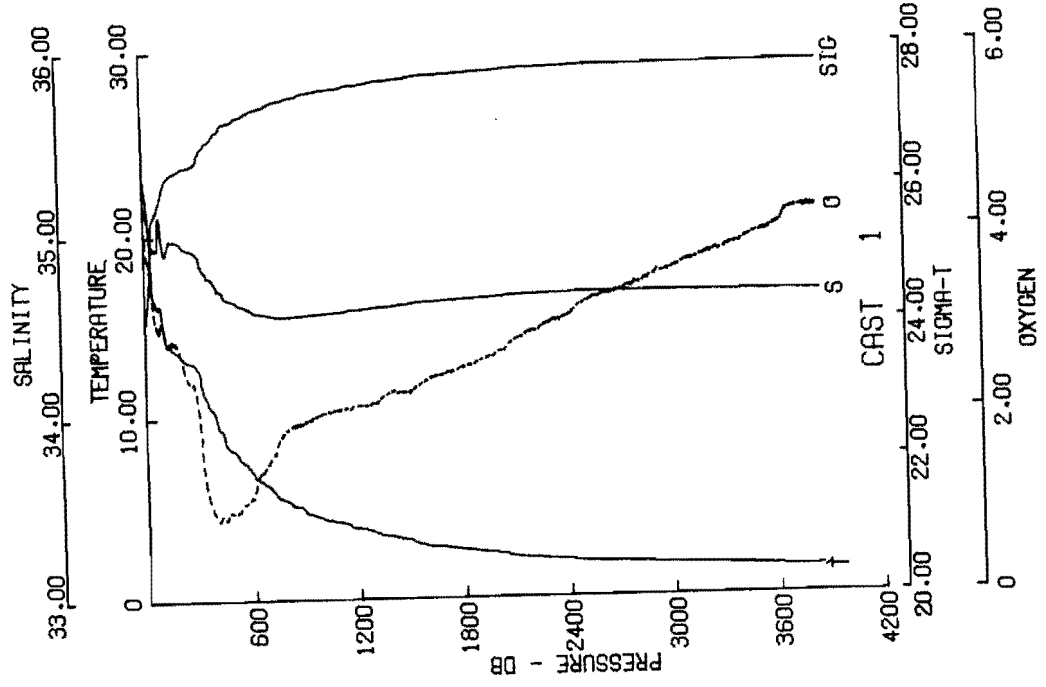
NBIS CTD/O₂ Data Summary

CAST EP5-79-0C-001 DATE 04 JUL 79 TIME 1151 GMT
LAT 00 03.6N LONG 109 57.5W

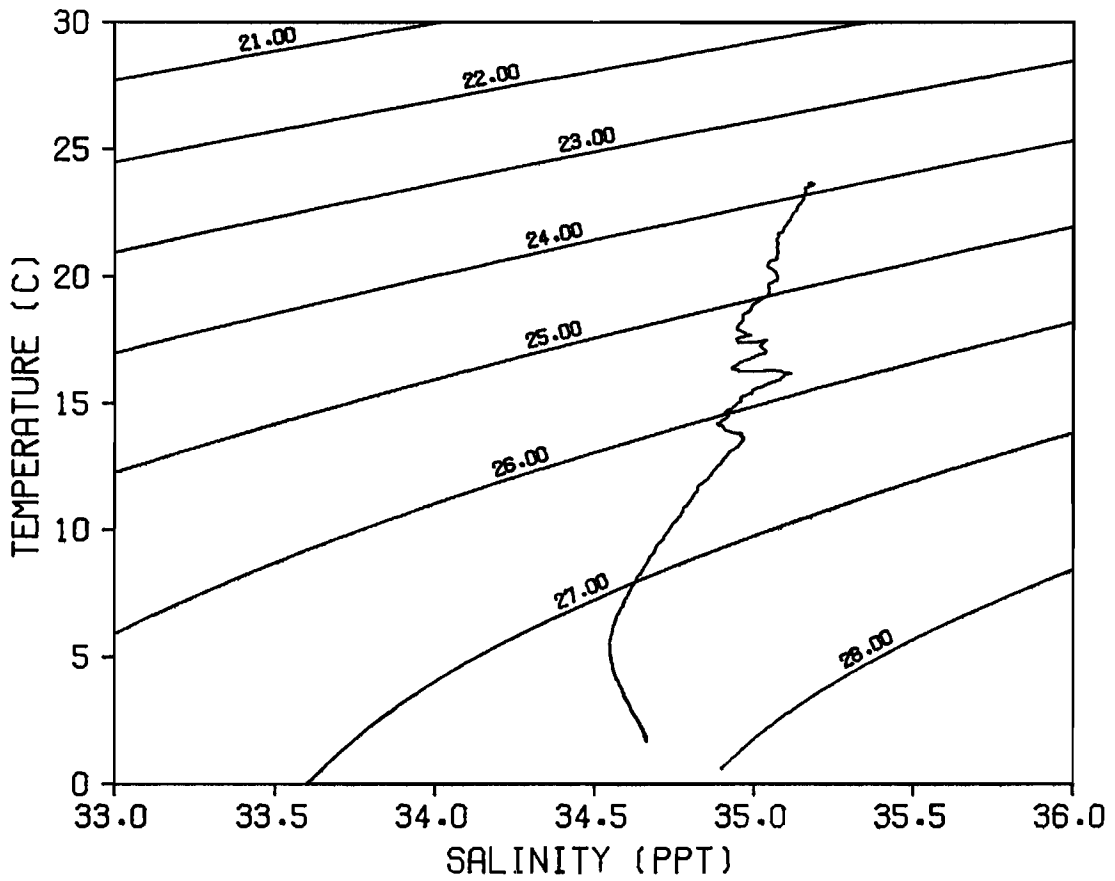


CAST 275-74-00-001 DATE 04 JUL 79 TIME 1121 GMT
 LAT 00 53.0N LONG 109 27.5W WEATHER 1 SEA STATE 1
 SURFACE WIND DIR 130 T SPD 13.0 VISIBILITY 8
 CLOUD X AMOUNT 3 UXY 23.0 WET 22.2 DEPTH 3675 M

PKBS (DB)	TEMP (C)	SAL (PPT)	UXY (ML/L)	SIG-T	VELTA-D (DYN-M)
0	23.112	35.153	4.09	24.032	.600
10	21.470	35.121	3.75	24.203	.048
20	20.409	35.095	3.75	24.458	.109
30	19.414	35.057	3.61	24.712	.138
40	17.322	34.903	3.40	25.060	.163
50	16.300	34.834	3.10	25.276	.187
60	16.357	34.828	3.03	25.627	.211
70	16.027	34.830	2.97	25.671	.234
80	16.027	35.073	2.96	25.760	.236
90	16.007	35.092	3.04	25.834	.278
100	15.322	34.891	3.01	25.910	.294
110	14.832	34.825	2.94	26.012	.319
120	14.180	34.896	2.82	26.085	.338
130	13.780	34.929	2.81	26.120	.357
140	13.955	34.915	2.81	26.180	.376
150	13.833	34.976	2.80	26.221	.394
160	13.780	34.973	2.82	26.240	.412
170	13.702	34.972	2.80	26.258	.431
180	13.539	34.966	2.80	26.270	.449
190	13.462	34.963	2.80	26.280	.467
200	13.462	34.920	2.80	26.287	.485
220	13.080	34.890	2.80	26.337	.525
240	12.860	34.890	2.80	26.405	.593
260	12.860	34.872	1.17	26.407	.792
280	12.860	34.853	.92	26.946	.857
300	12.860	34.839	.95	26.988	.916
320	12.860	34.811	.95	27.000	.972
340	12.860	34.811	1.05	27.016	1.026
360	12.860	34.811	1.13	27.016	1.077
380	12.860	34.811	1.33	27.016	1.126
400	12.860	34.811	1.52	27.016	1.172
420	12.860	34.811	1.74	27.016	1.217
440	12.860	34.811	1.88	27.016	1.260
460	12.860	34.811	1.90	27.016	1.302
480	12.860	34.811	1.90	27.016	1.341
500	12.860	34.811	1.90	27.016	1.380
520	12.860	34.811	2.04	27.016	1.427
540	12.860	34.811	2.27	27.016	1.470
560	12.860	34.811	2.61	27.016	1.519
580	12.860	34.811	3.06	27.016	1.565
600	12.860	34.811	3.50	27.016	1.610
620	12.860	34.811	3.95	27.016	1.655
640	12.860	34.811	4.42	27.016	1.700
660	12.860	34.811	4.90	27.016	1.746
680	12.860	34.811	5.39	27.016	1.792
700	12.860	34.811	5.88	27.016	1.838

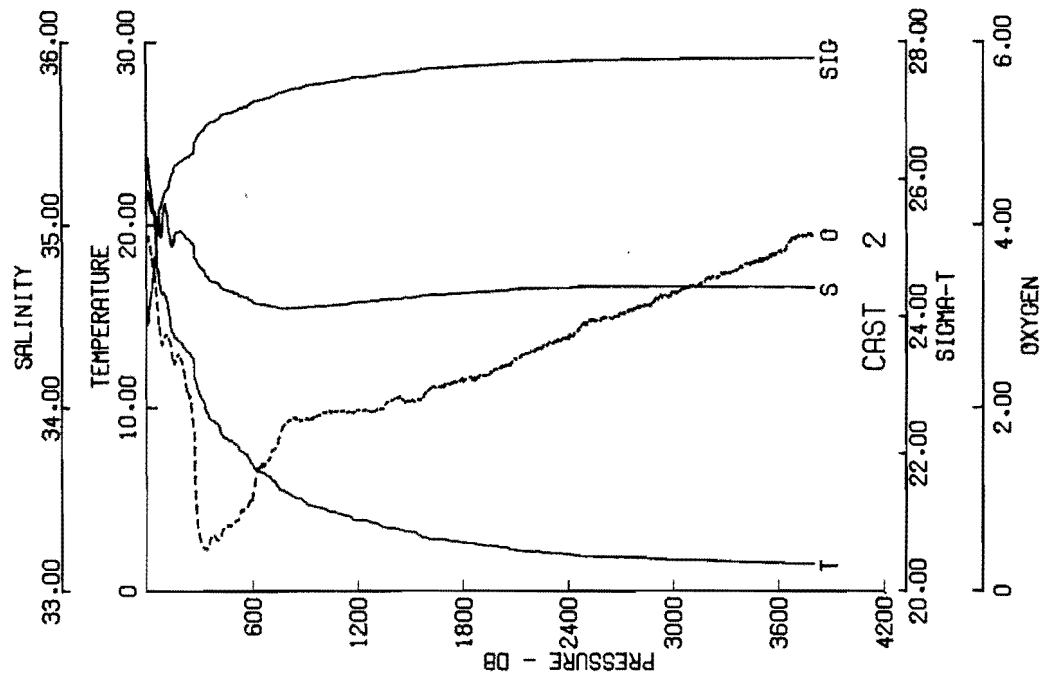


CAST EP5-79-0C-002 DATE 05 JUL 79 TIME 0233 GMT
LAT 00 03.3N LONG 109 58.3W

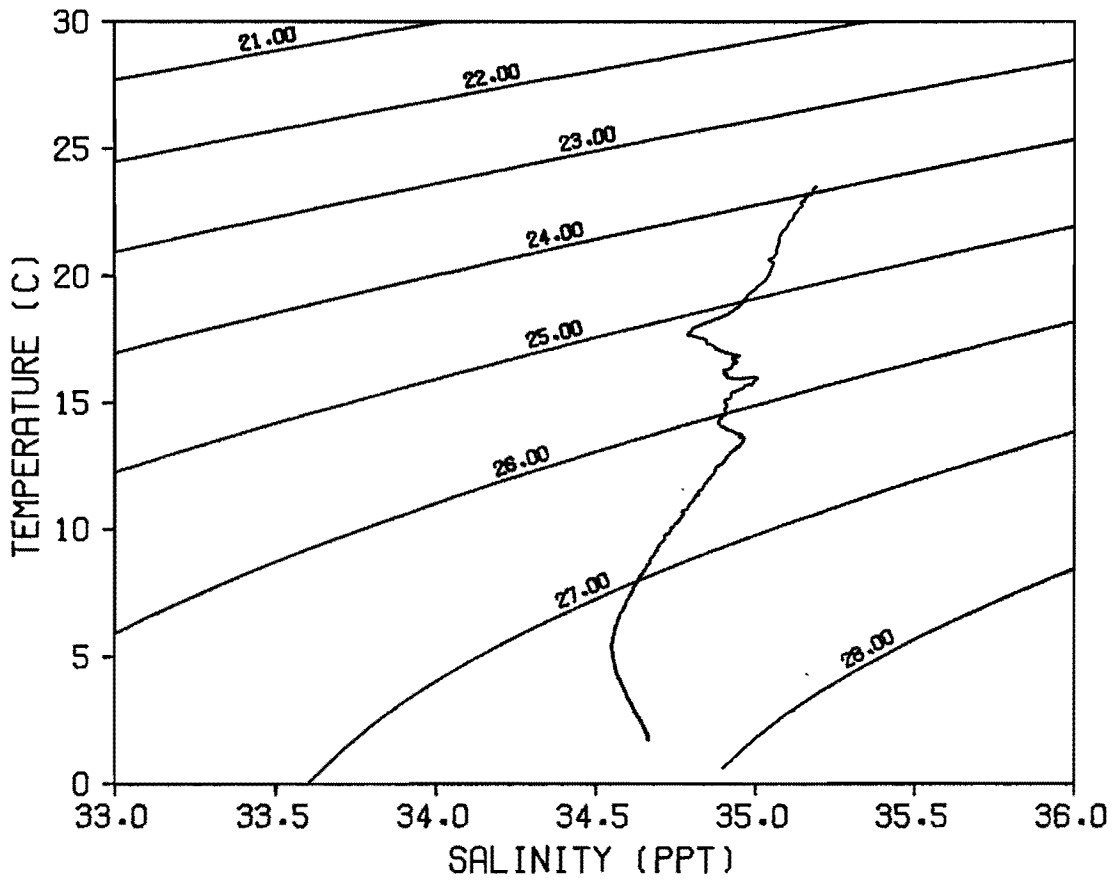


LAST 495-79-UC-002 DATE 05 JUL 79 TIME 0233 GMT
 LAT 00 03.3N LONG 109 58.3W WEATHER 1 SEA STATE 2
 WAKUMELK 10 *IND WIR 16JT SPT 10 KT VISIBILITY 8
 CLOUD 6 AMOUNT 5 DRY 24.3 WET 25.0 DEPTH 3900 M

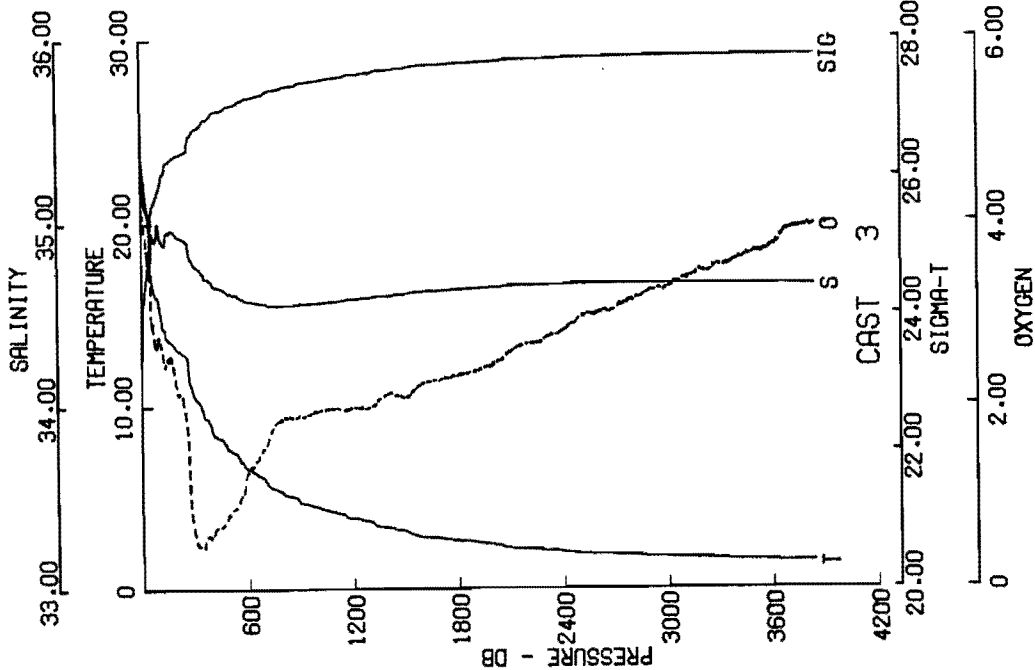
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D
0	23.024	35.169	3.82	23.098	.000
10	23.054	35.171	3.99	23.091	.040
20	22.504	35.122	3.77	23.922	.079
30	21.504	35.078	3.07	24.400	.115
40	20.774	35.074	3.50	24.627	.150
50	19.559	35.085	3.30	24.974	.182
60	17.259	34.983	3.17	25.190	.212
70	16.245	35.018	2.94	25.400	.238
80	16.593	34.950	2.78	25.592	.263
90	16.277	34.994	2.69	25.040	.287
100	16.262	35.002	2.70	25.040	.310
110	16.110	35.101	2.80	25.815	.332
120	15.010	35.050	2.80	25.815	.354
130	15.179	34.958	2.75	25.910	.376
140	14.417	34.912	2.97	26.040	.396
150	14.151	34.942	2.22	26.140	.416
160	13.814	34.981	2.54	26.210	.434
170	13.708	34.959	2.50	26.239	.454
180	13.617	34.967	2.50	26.239	.473
190	13.539	34.964	2.51	26.272	.491
200	12.922	34.913	2.10	26.329	.509
250	9.022	34.715	.80	26.810	.678
300	9.144	34.686	.50	26.809	.747
350	8.340	34.547	.71	26.983	.812
400	7.030	34.631	.76	26.999	.873
450	7.257	34.609	.69	27.012	.931
500	6.942	34.584	1.02	27.123	.988
550	6.233	34.580	1.39	27.165	1.042
600	6.070	34.550	1.49	27.190	1.142
650	5.570	34.547	1.07	27.234	1.190
700	5.073	34.546	1.80	27.330	1.235
750	4.883	34.551	1.80	27.330	1.278
800	4.613	34.557	1.90	27.354	1.320
850	4.245	34.558	1.94	27.389	1.361
900	4.220	34.604	2.07	27.400	1.400
950	4.504	34.604	2.42	27.372	1.433
1000	1.872	34.603	2.94	27.754	1.470
1050	1.849	34.603	3.21	27.747	1.509
1100	1.850	34.603	3.04	27.754	1.542
1150	1.861	34.603	3.51	27.720	1.575



CAST EP5-79-0C-003 DATE 05 JUL 79 TIME 0723 GMT
LAT 00 06.7N LONG 109 57.9W

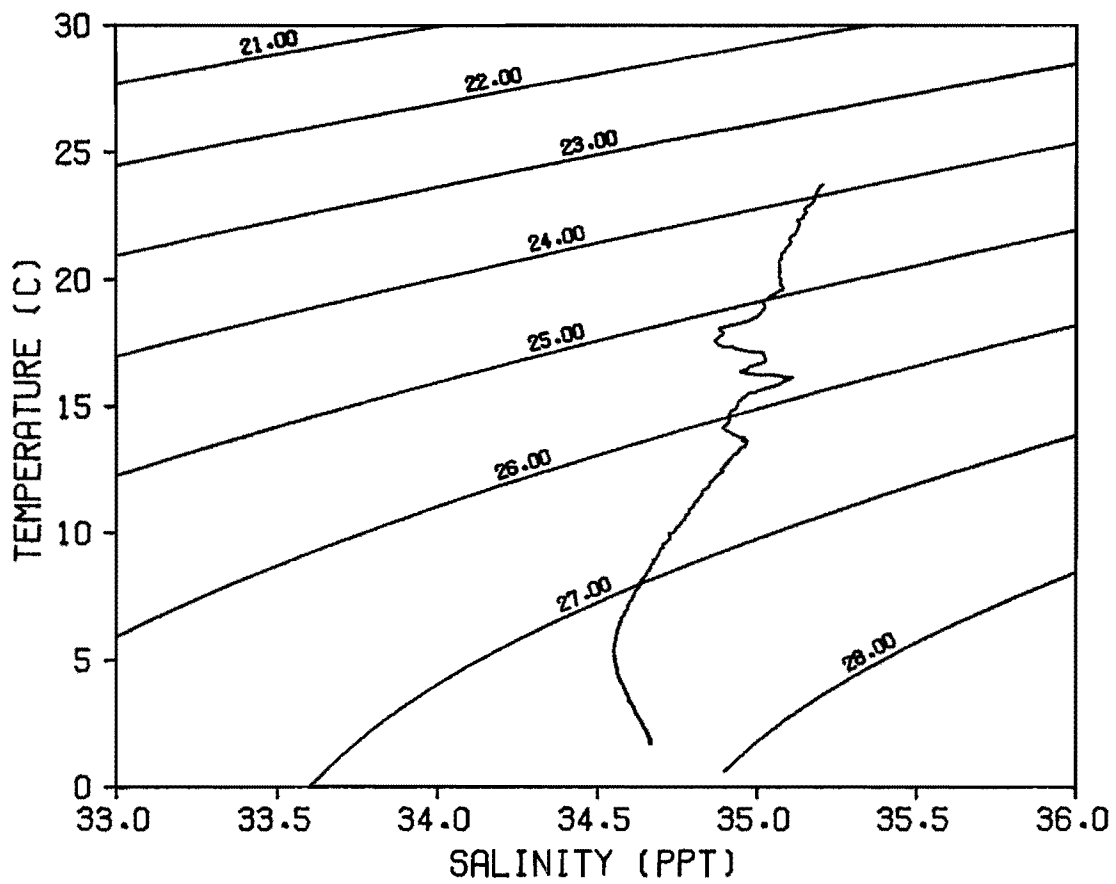


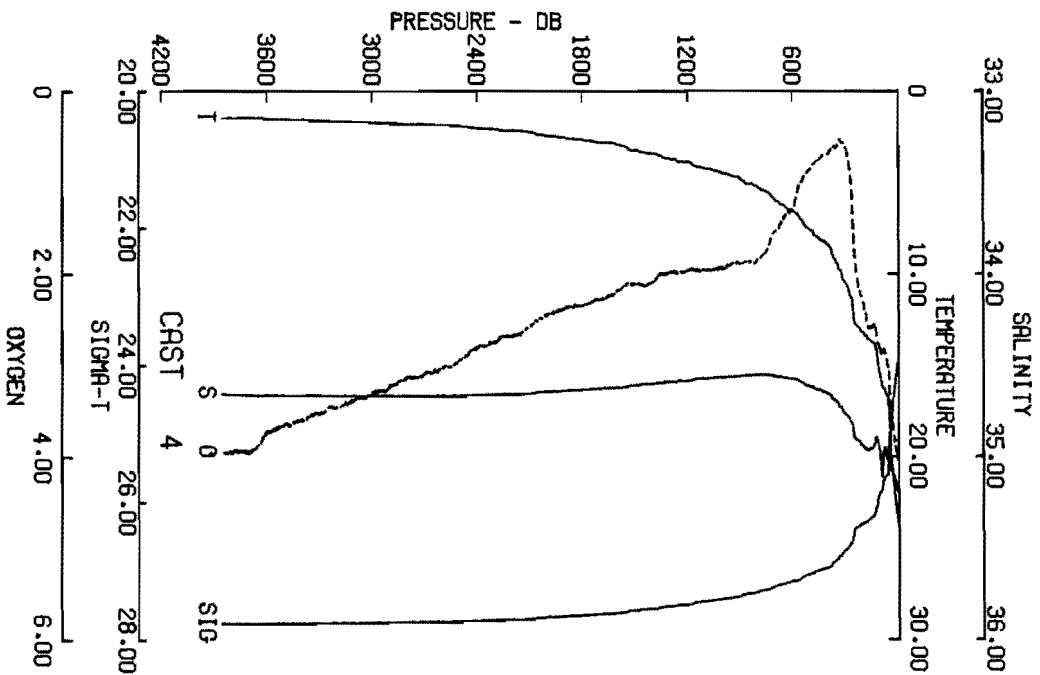
CAST 19-00-005 DATE 05 JUL 79 TIME 0723 GMT
 LAT 00 07N LONG 109 57.9W WEATHER 1 SEA STATE 3
 BAROMETR 12 MANU DIR 120 T SPD 07 KT VISIBILITY 7
 CLOUDS 8 AMOUNT 1 DRY 23.8 WET 23.0 WIND 23.0 DEPTH 3623 M



PRES (DB)	TEMP (C)	SAL (PPT)	CAY (ML/L)	SIG-T (DYN-H)	DELTA-D (DYN-H)
0	23.502	35.169	4.14	23.749	.000
10	22.718	35.143	3.96	24.141	.039
20	21.909	35.092	3.87	24.529	.076
30	21.068	35.068	3.80	24.903	.111
40	20.126	35.045	3.53	25.260	.144
50	17.487	34.845	3.11	25.596	.173
60	16.642	34.939	3.91	25.929	.199
70	16.261	34.902	2.71	26.259	.227
80	15.983	34.913	2.86	26.581	.247
90	15.888	35.010	2.74	26.891	.269
100	15.843	34.939	2.70	27.192	.292
120	14.982	34.907	2.70	27.482	.313
140	14.222	34.889	2.60	27.761	.334
150	14.219	34.883	2.46	28.030	.354
170	13.762	34.951	2.46	28.288	.373
180	13.757	34.956	2.52	28.532	.391
190	13.621	34.962	2.52	28.767	.410
190	13.224	34.965	2.52	28.991	.428
190	13.423	34.960	2.43	29.203	.448
190	13.277	34.944	2.39	29.404	.463
200	13.150	34.935	2.39	29.592	.481
220	12.765	34.908	1.80	29.767	.508
230	12.474	34.769	.57	29.924	.542
250	9.241	34.713	.45	30.064	.577
250	9.275	34.563	.54	30.187	.614
250	8.234	34.616	.64	30.291	.653
250	7.917	34.574	.84	30.377	.693
250	7.150	34.556	.90	30.449	.737
250	6.573	34.574	.28	30.502	.784
250	6.320	34.560	1.28	30.538	.834
250	5.929	34.559	1.40	30.557	.888
250	5.489	34.553	1.53	30.563	.946
250	5.217	34.554	1.74	30.558	1.008
250	5.067	34.561	1.89	30.530	1.074
250	4.807	34.561	1.90	30.482	1.144
250	4.400	34.563	1.93	30.419	1.217
250	3.869	34.561	2.05	30.336	1.294
250	3.169	34.561	2.20	30.236	1.376
250	2.403	34.645	2.36	30.124	1.463
250	1.604	34.664	2.56	30.000	1.554
250	1.004	34.665	3.04	29.864	1.650
250	1.243	34.661	3.57	29.717	1.750
250	1.403	34.655	3.77	29.560	1.854

CAST EP5-79-0C-004 DATE 05 JUL 79 TIME 1141 GMT
LAT 00 02.8N LONG 109 58.7W

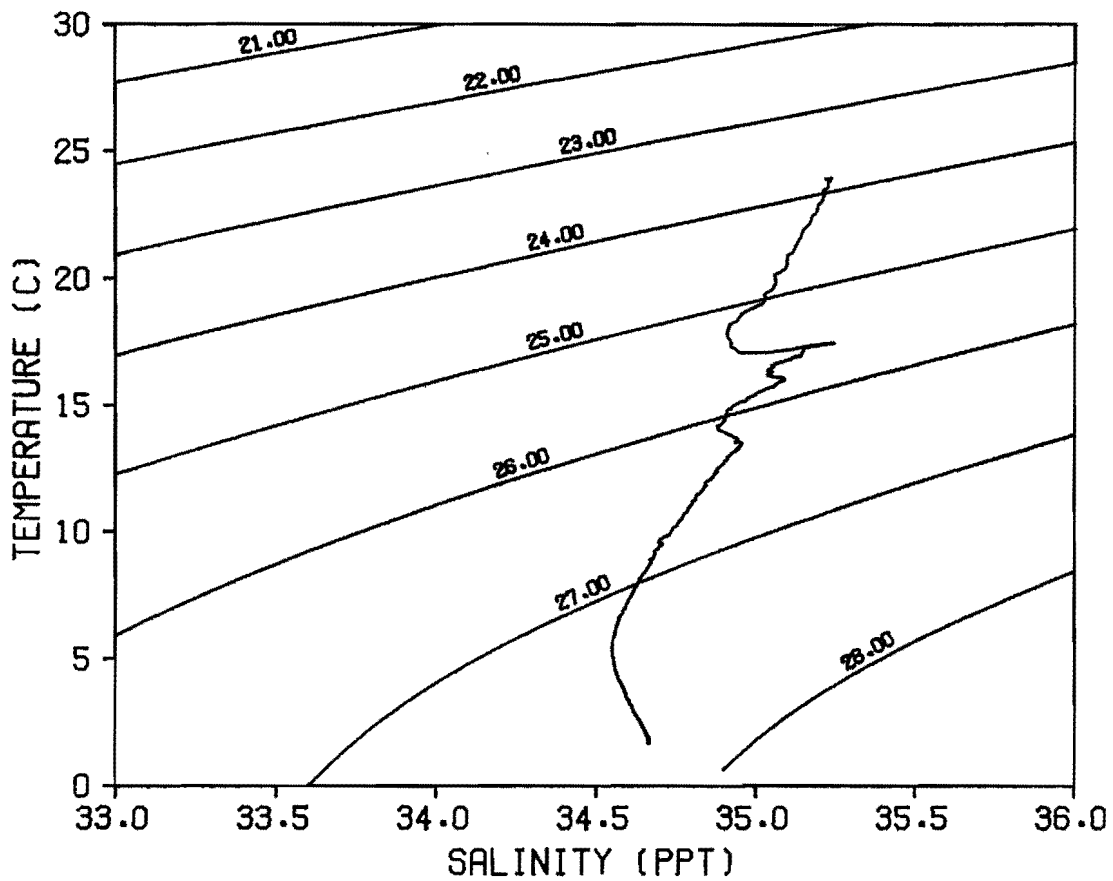




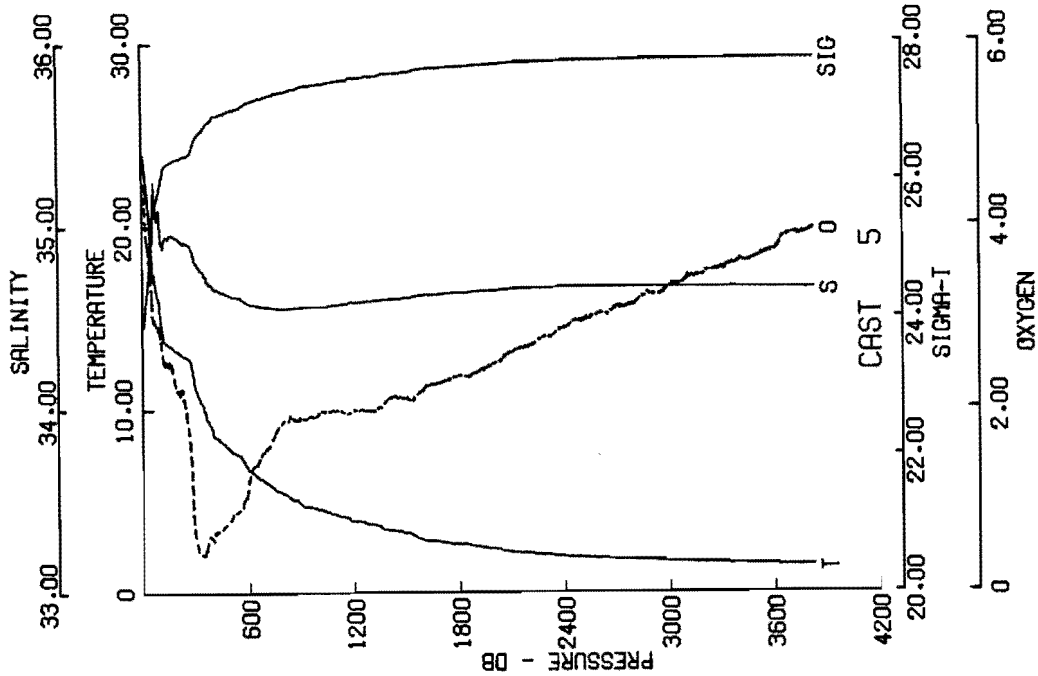
TIME	DATE	DEPTH (M)	TEMP (C)	SAL (PPT)	SIGMA-T (DM)	OXYGEN (ML/L)	DELTA-SI (DM)
000	79	0	23.109	35.205	23.035	4.052	0.000
010	79	10	22.349	35.127	23.035	3.880	0.078
020	79	20	21.383	35.101	23.035	3.780	0.078
030	79	30	20.103	35.071	23.035	3.524	0.147
040	79	40	18.367	35.049	23.035	3.340	0.177
050	79	50	17.144	35.039	23.035	3.244	0.203
060	79	60	16.044	35.032	23.035	3.164	0.228
070	79	70	15.044	35.027	23.035	3.094	0.251
080	79	80	14.044	35.024	23.035	3.031	0.275
090	79	90	13.044	35.020	23.035	2.974	0.297
100	79	100	12.044	35.017	23.035	2.924	0.319
110	79	110	11.044	35.015	23.035	2.879	0.340
120	79	120	10.044	35.013	23.035	2.838	0.360
130	79	130	9.044	35.011	23.035	2.799	0.379
140	79	140	8.044	35.009	23.035	2.762	0.398
150	79	150	7.044	35.007	23.035	2.727	0.416
160	79	160	6.044	35.005	23.035	2.694	0.434
170	79	170	5.044	35.003	23.035	2.662	0.452
180	79	180	4.044	35.001	23.035	2.631	0.470
190	79	190	3.044	35.000	23.035	2.601	0.488
200	79	200	2.044	35.000	23.035	2.572	0.507
210	79	210	1.044	35.000	23.035	2.544	0.525
220	79	220	0.044	35.000	23.035	2.517	0.543
230	79	230	0.044	35.000	23.035	2.491	0.561
240	79	240	0.044	35.000	23.035	2.466	0.579
250	79	250	0.044	35.000	23.035	2.441	0.597
260	79	260	0.044	35.000	23.035	2.416	0.615
270	79	270	0.044	35.000	23.035	2.391	0.633
280	79	280	0.044	35.000	23.035	2.366	0.651
290	79	290	0.044	35.000	23.035	2.341	0.669
300	79	300	0.044	35.000	23.035	2.316	0.687
310	79	310	0.044	35.000	23.035	2.291	0.705
320	79	320	0.044	35.000	23.035	2.266	0.723
330	79	330	0.044	35.000	23.035	2.241	0.741
340	79	340	0.044	35.000	23.035	2.216	0.759
350	79	350	0.044	35.000	23.035	2.191	0.777
360	79	360	0.044	35.000	23.035	2.166	0.795
370	79	370	0.044	35.000	23.035	2.141	0.813
380	79	380	0.044	35.000	23.035	2.116	0.831
390	79	390	0.044	35.000	23.035	2.091	0.849
400	79	400	0.044	35.000	23.035	2.066	0.867
410	79	410	0.044	35.000	23.035	2.041	0.885
420	79	420	0.044	35.000	23.035	2.016	0.903
430	79	430	0.044	35.000	23.035	2.000	0.921

LAST ERS-79-UC-004 DATE 05 JUL 79 TIME 1141 GMT
 LAT 00 02.5N LONG 109 50.7W WEATHER 1 SEA STATE 3
 BAROMETRIC HGT 1013.1 HPa SPD 11 Kts VISIBILITY 7
 CLOUD AMOUNT 1 DRY 23.9 WET 22.7 M DEPTH 3825 M

CAST EP5-79-0C-005 DATE 06 JUL 79 TIME 0851 GMT
LAT 00 03.7N LONG 109 58.6W

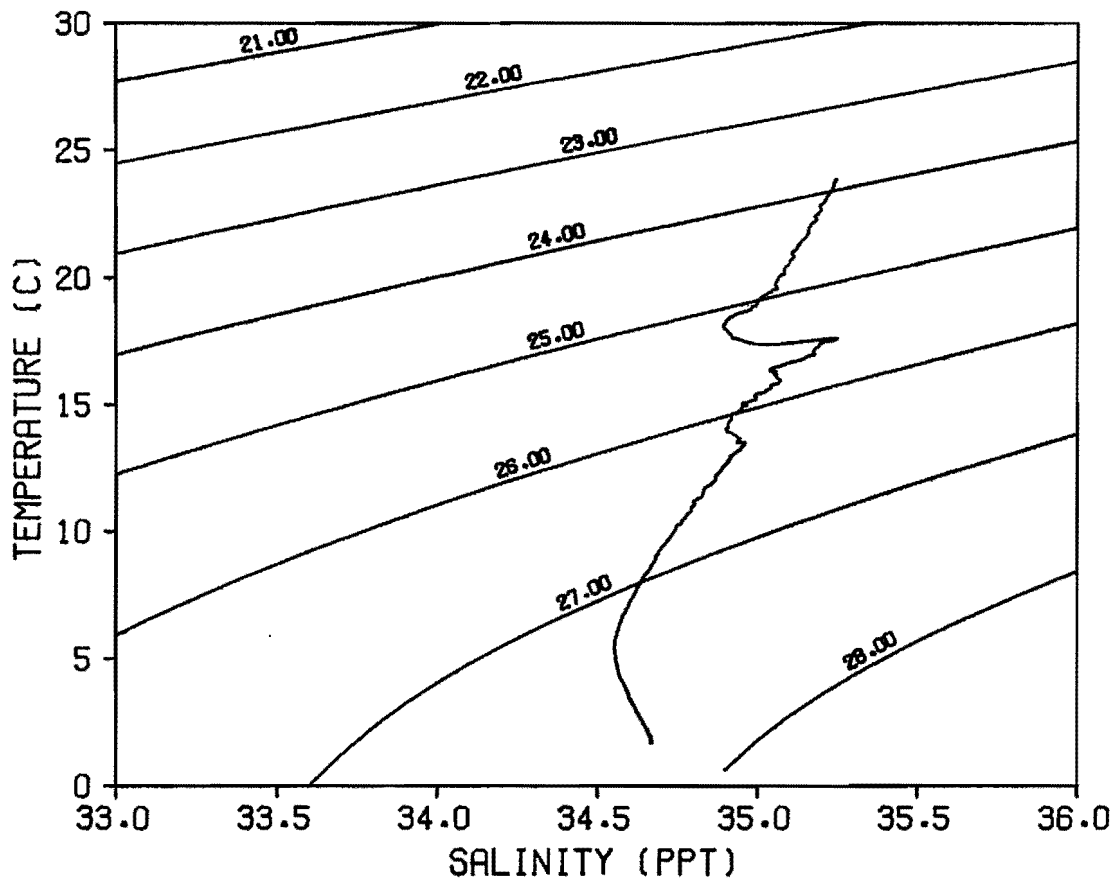


CAST 45-79-00-00 DATE 06 JUL 79 TIME 0851 GMT
 LAT 00 07N LONG 109 58.6W MEANEX 2 SEA STATE 3
 BAROMETER 11 WIND DIR 120 T SPD 14 K1 VISIBILITY 7
 CLOUD 5 AMOUNT 8 URY 23.9 WET 22.9 LEPTH 3619 M

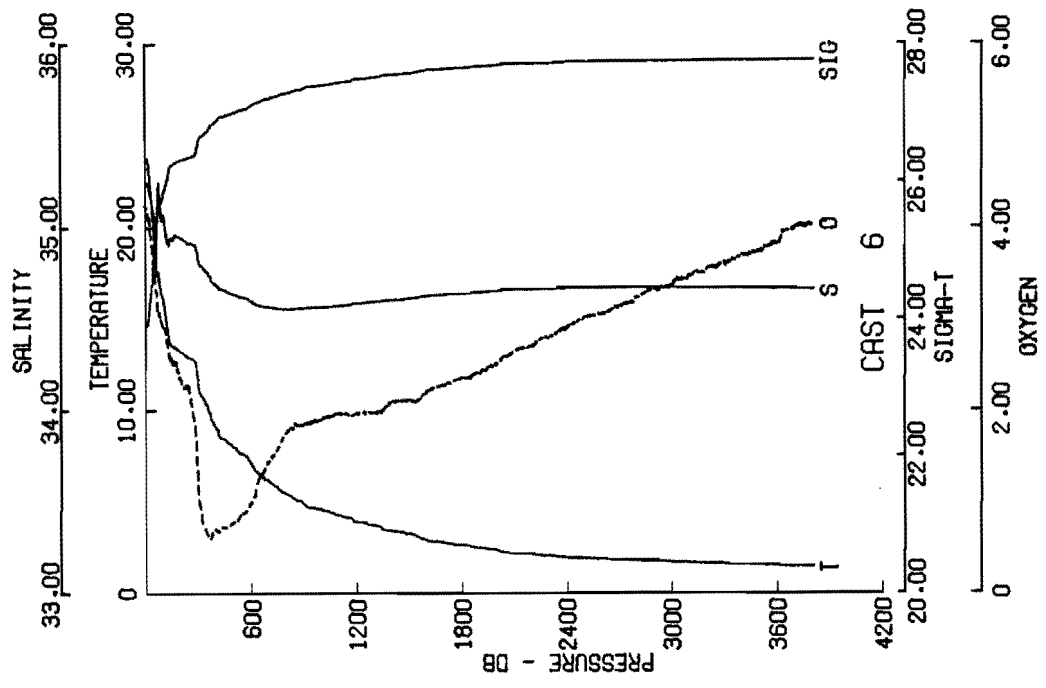


PKB	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	23.741	35.219	4.50	23.851	.000
10	23.763	35.230	4.50	23.854	.041
20	22.019	35.191	3.99	24.205	.079
30	21.663	35.142	3.77	24.437	.119
40	20.279	35.091	3.60	24.766	.179
50	18.141	34.977	3.32	25.080	.208
60	17.100	35.049	2.99	25.345	.231
70	16.945	35.144	2.95	25.622	.254
80	16.370	35.336	2.90	25.815	.277
90	16.064	35.085	2.87	26.026	.319
100	15.321	34.968	2.82	26.164	.339
110	14.682	34.906	2.92	26.242	.376
120	13.887	34.910	2.52	26.279	.412
130	13.881	34.939	2.51	26.279	.430
140	13.580	34.951	2.54	26.279	.448
150	13.401	34.957	2.54	26.279	.488
160	13.303	34.946	2.34	26.279	.570
170	13.225	34.941	2.20	26.279	.624
180	12.020	34.909	1.93	26.279	.724
190	11.697	34.728	1.56	26.279	.848
200	9.282	34.863	.58	26.279	.900
210	7.770	34.823	.81	26.279	1.013
220	7.501	34.812	.80	26.279	1.117
230	6.693	34.578	.22	26.279	1.202
240	6.332	34.569	.22	26.279	1.287
250	5.797	34.561	.11	26.279	1.367
260	5.261	34.553	.11	26.279	1.445
270	5.084	34.552	.11	26.279	1.525
280	4.799	34.558	.11	26.279	1.607
290	4.522	34.560	.11	26.279	1.691
300	4.250	34.561	.11	26.279	1.777
310	4.082	34.644	.11	26.279	1.864
320	3.882	34.664	.11	26.279	1.952
330	3.682	34.663	.11	26.279	2.041
340	3.537	34.663	.11	26.279	2.131
350	3.404	34.663	.11	26.279	2.221
360	3.281	34.657	.11	26.279	2.311

CAST EP5-79-0C-006 DATE 06 JUL 79 TIME 1303 GMT
LAT 00 03.5N LONG 109 58.4W

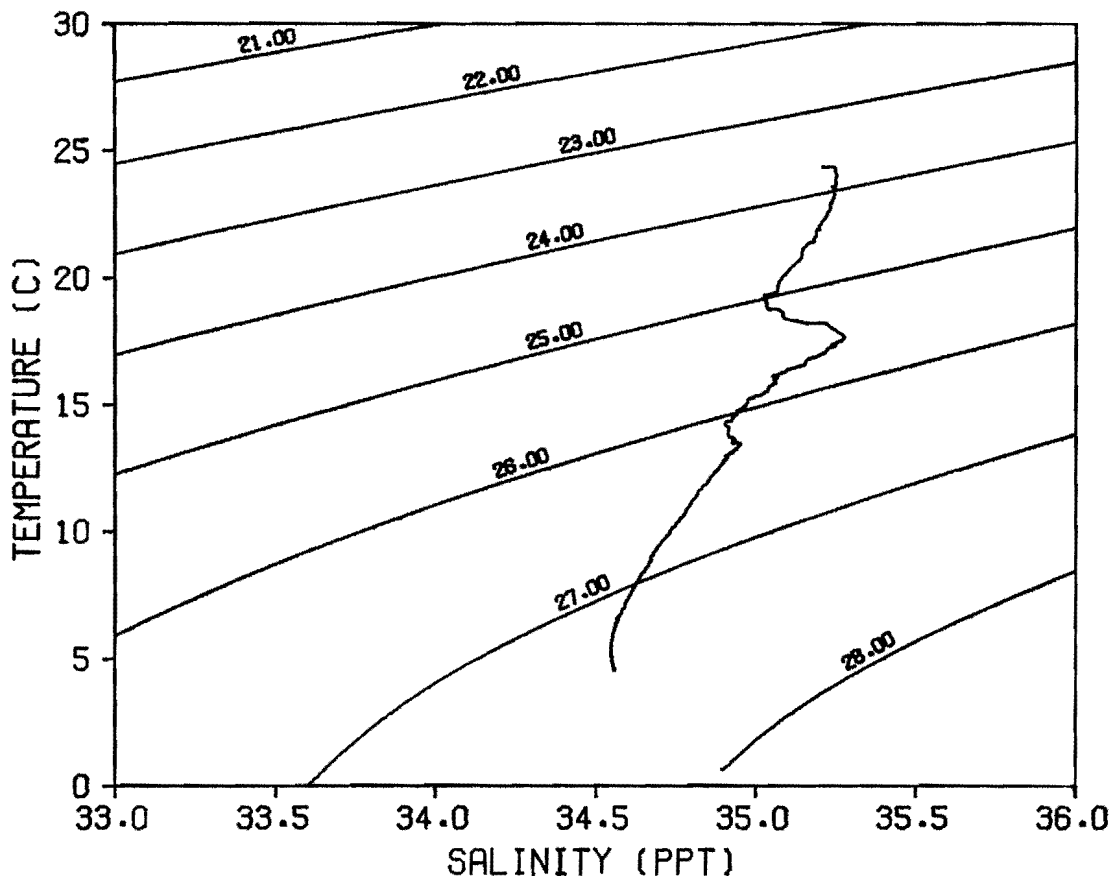


CAST EP5-74-UC-UJ6 DATE 06 JUL 79 TML 1303 GMT
 LAT 00 03.0N LONG 102 58.4W WEATHER 2 SEA STATE 2
 BAROMETRIC 10 WIND DIR 120 T SPD 16 KTF VISIBILITY 8
 CLOUD X AMOUNT 9 DRY 24.0 WET 25.0 DEPTH 3650 M



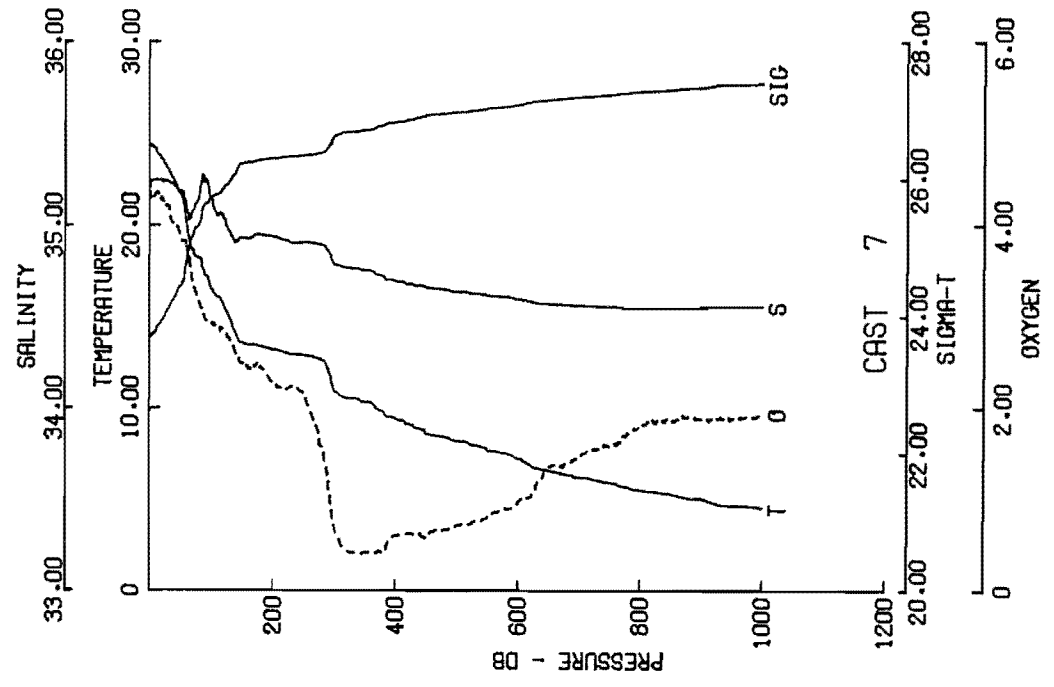
PKES (DB)	TEMP (C)	SAL (PPT)	DRY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	23.792	35.244	4.24	28.007	.000
10	23.792	35.244	4.24	28.007	.040
20	23.309	35.225	4.14	28.033	.117
30	22.163	35.178	3.91	28.048	.152
40	20.977	35.100	3.77	28.033	.184
50	19.590	35.063	3.49	28.014	.214
60	18.449	34.905	3.32	28.014	.240
70	17.473	35.127	3.07	28.047	.264
80	16.649	35.137	3.04	28.075	.310
90	16.179	35.040	2.97	28.054	.332
100	15.511	35.025	2.91	28.090	.354
110	14.920	34.955	2.81	28.070	.374
120	14.283	34.910	2.80	28.021	.393
130	13.699	34.940	2.82	28.020	.411
140	13.241	34.943	2.85	28.020	.429
150	13.113	34.947	2.85	28.020	.447
160	13.464	34.960	2.85	28.020	.465
170	13.342	34.950	2.84	28.030	.483
180	13.250	34.940	2.84	28.030	.501
190	12.904	34.910	2.80	28.050	.508
200	12.260	34.910	2.80	28.050	.568
250	11.112	34.919	1.63	28.070	.673
300	8.578	34.702	.69	28.090	.812
350	8.000	34.658	.72	27.000	.930
400	7.522	34.621	.77	27.000	.986
450	7.000	34.378	.67	27.110	1.041
500	6.508	34.375	1.07	27.172	1.092
550	6.137	34.505	1.44	27.213	1.141
600	5.791	34.558	1.38	27.251	1.188
650	5.421	34.555	1.70	27.274	1.237
700	5.113	34.556	1.83	27.270	1.279
750	4.868	34.559	1.84	27.300	1.319
800	4.688	34.563	1.88	27.334	1.359
850	4.284	34.265	1.90	27.354	1.399
900	3.235	34.611	2.07	27.274	1.451
950	2.348	34.648	2.44	27.003	1.503
1000	1.874	34.668	3.01	27.752	1.509
1050	1.676	34.668	3.35	27.752	1.509
1100	1.550	34.668	3.72	27.761	1.509
1150	1.463	34.666	4.03	27.761	1.509

CAST EP5-79-0C-007 DATE 06 JUL 79 TIME 0047 GMT
LAT 00 02.9N LONG 109 57.6W

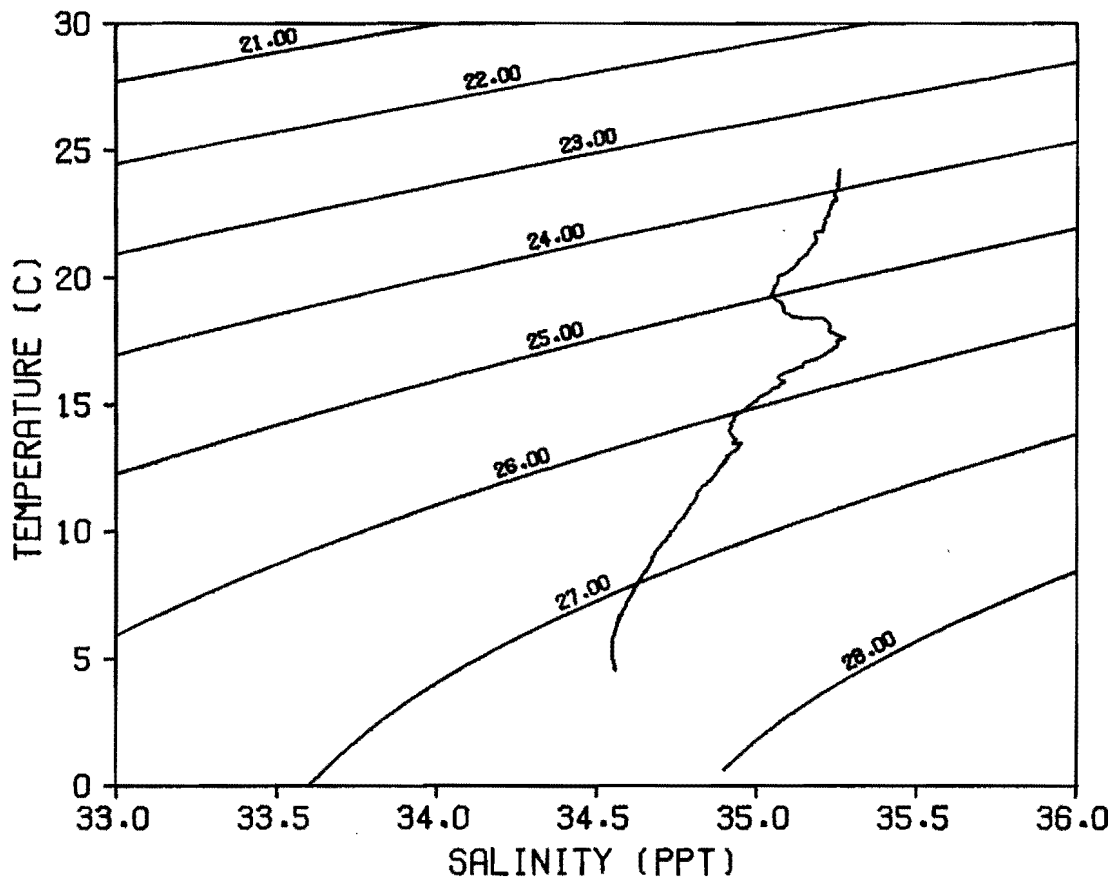


EP5-79-OC-007 DATE 06 JUL 79 TIME 0047 GMT
 LAT 00 02.9N LONG 109 57.6M WEATHER 8 SEA STATE 3
 BAROMETER 10 WIND DIR 120.1 SPD 16 KT VISIBILITY 6
 CLOUD 9 AMOUNT 8 DRY 23.5 WET 22.5 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	4.387	35.218	4.32	23.709	.000
1	4.363	35.207	4.335	23.779	.042
10	4.249	35.249	4.331	23.939	.082
20	4.135	35.243	4.322	24.097	.121
30	4.038	35.227	4.300	24.244	.159
40	3.950	35.186	3.976	24.476	.199
50	3.872	35.143	3.918	24.516	.259
60	3.805	35.107	3.840	24.528	.312
70	3.745	35.073	3.794	24.578	.358
80	3.691	35.043	3.777	24.616	.402
90	3.641	34.968	3.710	24.630	.447
100	3.594	34.929	3.655	24.645	.495
110	3.550	34.894	3.610	24.660	.513
120	3.510	34.862	3.575	24.675	.519
130	3.471	34.831	3.545	24.690	.703
140	3.434	34.800	3.520	24.705	.847
150	3.399	34.770	3.500	24.720	.907
160	3.365	34.740	3.485	24.735	.965
170	3.332	34.710	3.475	24.750	.960
180	3.300	34.680	3.465	24.765	.965
190	3.269	34.650	3.455	24.780	.965
200	3.239	34.620	3.445	24.795	.965
250	3.210	34.590	3.435	24.810	.965
300	3.181	34.560	3.425	24.825	.965
350	3.152	34.530	3.415	24.840	.965
400	3.123	34.500	3.405	24.855	.965
450	3.094	34.470	3.395	24.870	.965
500	3.065	34.440	3.385	24.885	.965
550	3.036	34.410	3.375	24.900	.965
600	3.007	34.380	3.365	24.915	.965
650	2.978	34.350	3.355	24.930	.965
700	2.949	34.320	3.345	24.945	.965
750	2.920	34.290	3.335	24.960	.965
800	2.891	34.260	3.325	24.975	.965
850	2.862	34.230	3.315	24.990	.965
900	2.833	34.200	3.305	24.995	.965
950	2.804	34.170	3.295	25.000	.965
1000	2.775	34.140	3.285	25.000	.965

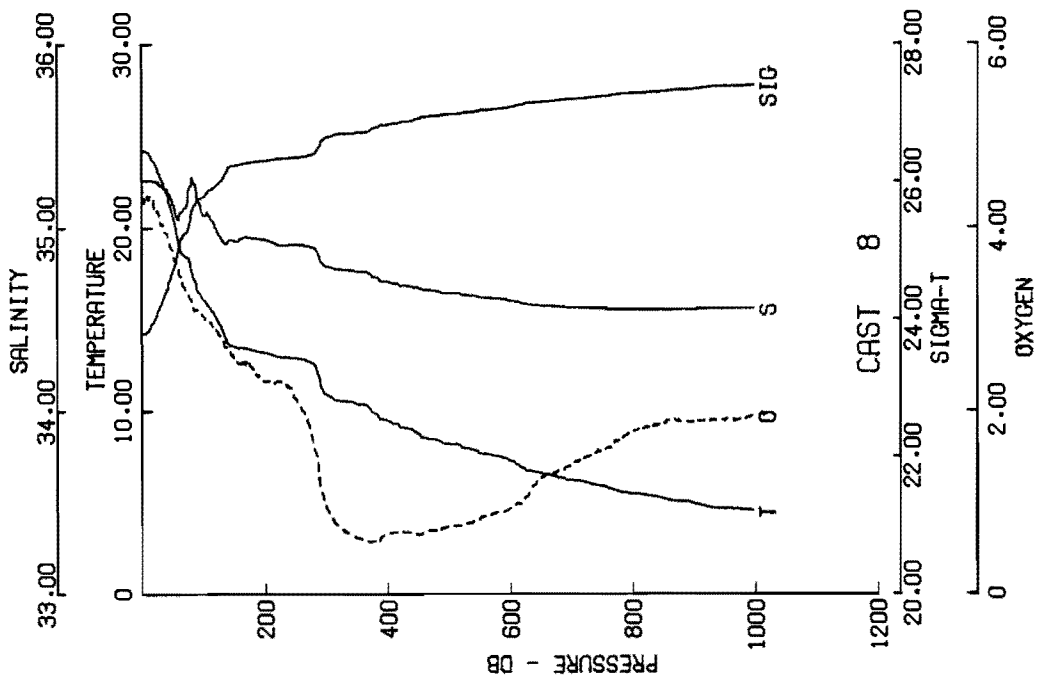


CAST EP5-79-0C-008 DATE 06 JUL 79 TIME 0247 GMT
LAT 00 02.9N LONG 109 57.6W

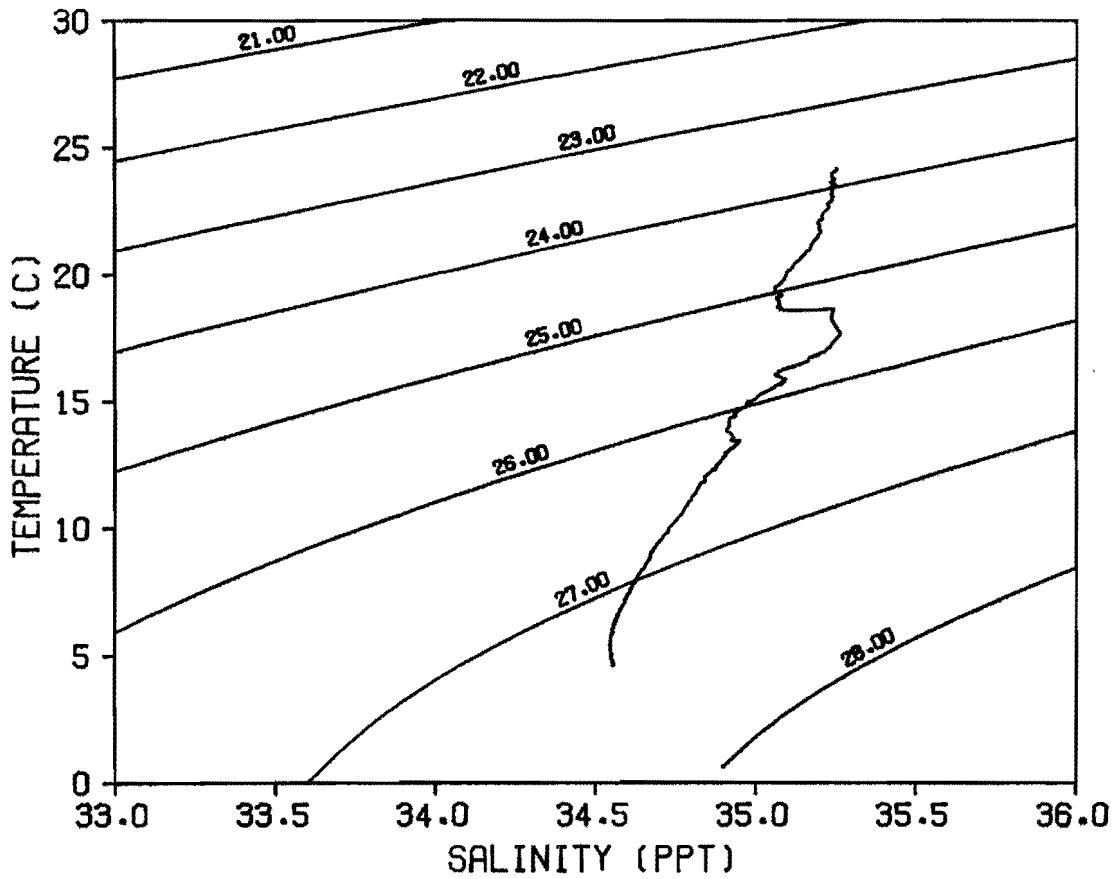


LAST EP2-74-JC-C08 DATE 00 JUL 79 TIME 0247 GMT
 LAT 00 02.9N LONG 109 57.6W WEATHER B SEA STATE 3
 BAROMETER 10 WIND DIR 110 T SPD 14 KT VISIBILITY 8
 CLOUD % AMOUNT 0 DRY 24.2 WET 22.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	CXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	24.215	35.258	4.47	23.741	.000
10	24.108	35.255	4.31	23.821	.041
20	23.878	35.255	4.20	23.917	.081
30	23.503	35.232	4.02	24.183	.120
40	21.990	35.211	3.90	24.348	.156
50	20.712	35.136	3.78	24.693	.190
60	19.474	35.062	3.51	25.056	.222
70	18.470	35.109	3.54	25.254	.256
80	17.645	35.271	3.23	25.583	.290
90	16.847	35.149	3.11	25.728	.300
100	16.047	35.1075	3.04	25.743	.323
110	15.154	35.088	2.96	25.864	.345
120	14.583	35.000	2.89	25.953	.368
130	14.501	34.932	2.79	26.045	.387
140	13.767	34.928	2.60	26.240	.406
150	13.520	34.931	2.59	26.245	.424
160	13.483	34.943	2.51	26.287	.442
170	13.493	34.953	2.57	26.284	.460
180	13.326	34.948	2.47	26.299	.478
190	13.277	34.938	2.40	26.309	.496
200	12.224	34.911	2.33	26.317	.514
230	12.894	34.790	2	26.303	.601
300	10.880	34.760	.95	26.652	.684
400	9.774	34.704	.62	26.718	.726
500	8.774	34.673	.69	26.829	.824
600	8.198	34.641	.85	26.917	.888
700	7.807	34.618	.74	26.982	.949
800	7.289	34.600	.62	27.041	.985
900	6.876	34.574	.93	27.087	1.013
1000	6.264	34.563	1.26	27.157	1.041
1100	5.876	34.526	1.74	27.252	1.102
1200	5.469	34.550	1.58	27.258	1.256
1300	5.227	34.550	1.80	27.313	1.300
1400	4.909	34.551	1.89	27.346	1.343
1500	4.671	34.558	1.89	27.394	1.384
1600	4.554	34.560	1.95	27.398	1.434



CAST EP5-79-0C-009 DATE 07 JUL 79 TIME 0451 GMT
LAT 00 02.9N LONG 109 57.5W

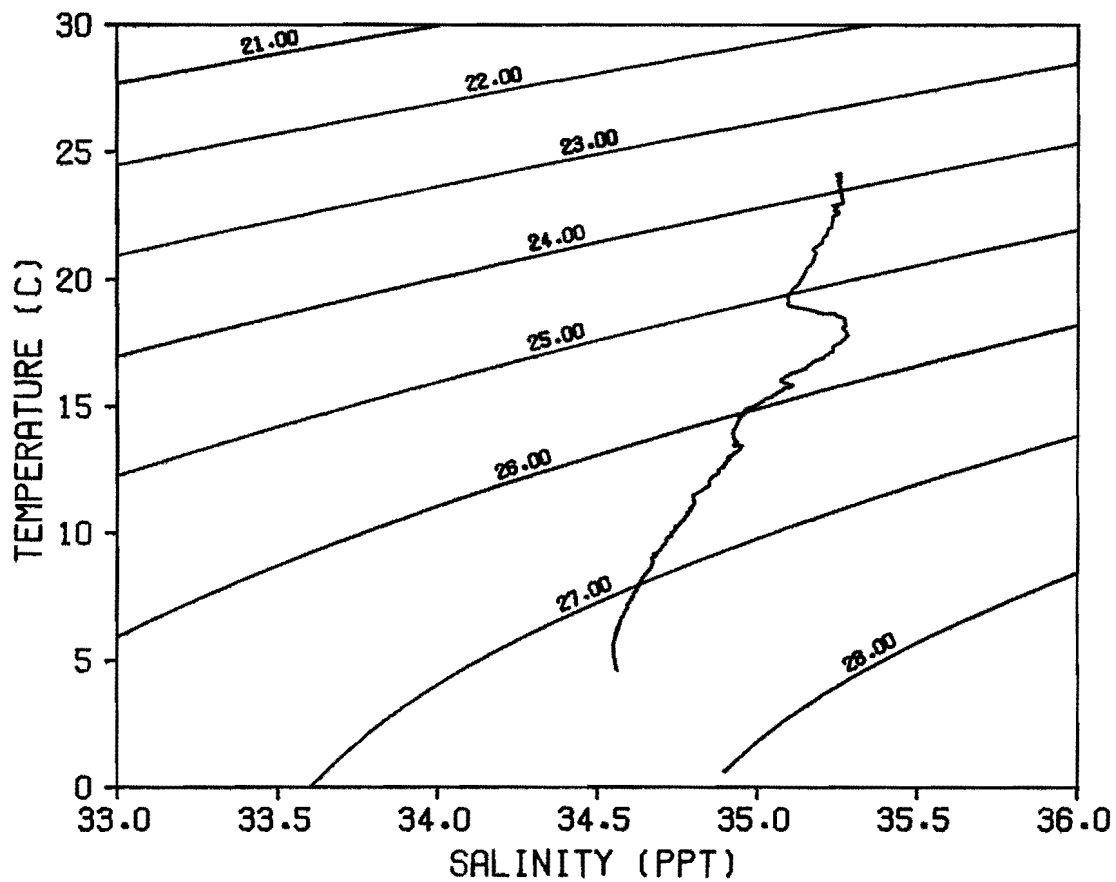


CAST EP5-79-CC-009 DATE 07 JUL 79 TIME 0451 GMT
 LAT 00 02.9N LONG 109 57.5W HEADLINE 1 SEA STATE 5
 SURFACE WIND DIR 120 T SPD 17 KT VISIBILITY 7
 CLOUD 6 AMOUNT 2 DRY 23.6 WET 22.5 DEPTH H

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	4.178	33.253	4.44	23.748	.000
10	4.134	33.256	4.44	23.815	.041
20	22.414	33.242	4.203	24.015	.081
30	21.297	33.183	3.884	24.204	.119
40	19.834	33.081	3.528	24.429	.157
50	18.056	33.238	3.133	24.714	.216
60	16.231	33.217	3.000	25.044	.260
70	16.965	33.275	2.92	25.416	.297
80	16.743	33.085	2.83	25.838	.332
100	15.200	33.011	2.71	26.307	.354
120	14.785	33.926	2.60	26.827	.373
140	13.709	34.930	2.43	27.398	.392
160	13.457	34.930	2.30	28.022	.410
170	13.443	34.946	2.245	28.701	.428
180	13.382	34.941	2.24	29.436	.446
190	13.223	34.936	2.227	30.230	.463
200	12.129	34.923	2.187	31.082	.481
250	12.837	34.903	1.85	32.002	.499
300	10.642	34.774	.51	33.002	.586
350	4.327	34.756	.29	34.074	.667
400	6.537	34.657	.22	35.244	.738
450	6.176	34.638	.21	36.512	.805
500	7.602	34.615	.27	37.982	.868
550	7.292	34.599	.33	39.559	.927
600	6.842	34.573	.44	41.242	.985
650	5.714	34.561	1.30	43.032	1.043
700	5.309	34.555	1.44	44.931	1.101
800	5.309	34.548	1.59	46.941	1.159
900	4.878	34.552	1.80	49.062	1.217
1000	4.558	34.558	1.91	51.302	1.282
1003	4.554	34.557	1.91	53.652	1.366

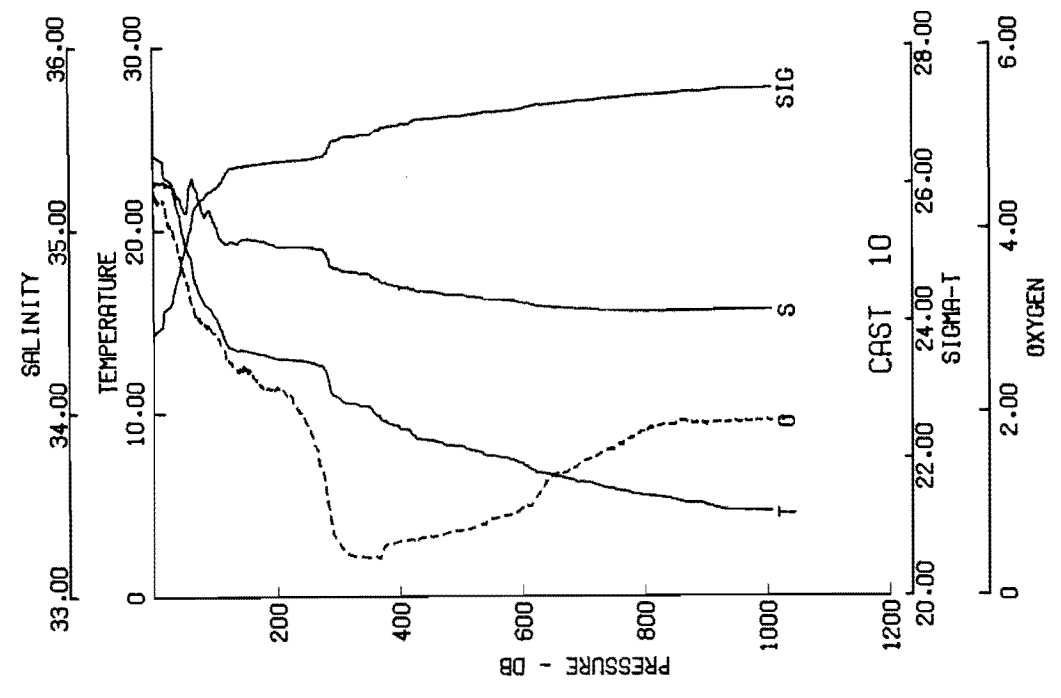


CAST EP5-79-0C-010 DATE 07 JUL 79 TIME 0648 GMT
LAT 00 03.0N LONG 109 57.8W

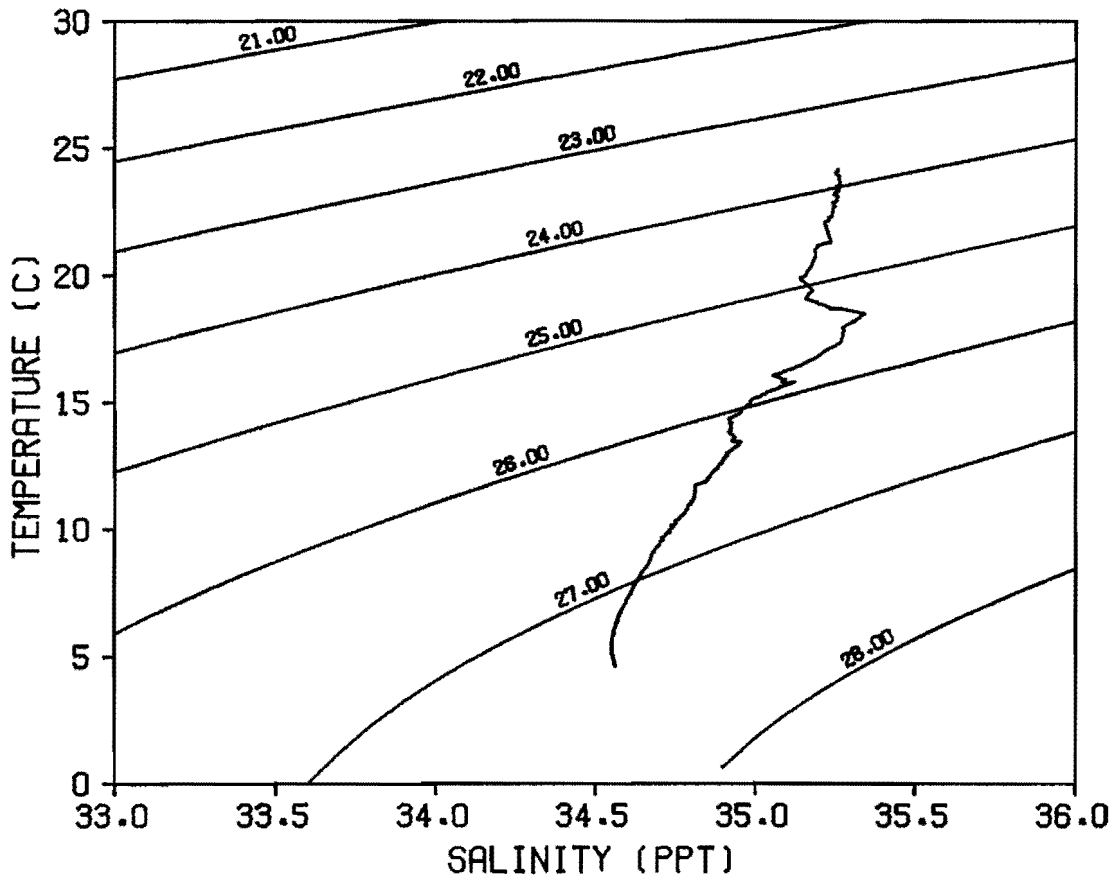


CAST 10 19-JUL-010 DATE 07 JUL 79 TIME 0646 GMT
 LAT 00.03.0N LONG 109 57.8W MEAN HEK 2 SEA STATE 3
 PAKRATER 12 WIND DIR 120 T SPD 10 KT VISIBILITY 7 M
 CLOUD 0 AMOUNT 7 DRY 23.0 WET 22.5 DEPTH

PKR'S (DB)	TEMP (C)	SAL (PPT)	SKY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	24.183	32.259	4.44	23.007	.000
10	23.972	32.252	4.32	23.000	.041
20	22.795	32.242	4.16	24.196	.080
30	22.580	32.237	4.01	24.254	.117
40	21.012	32.184	3.75	24.648	.152
50	19.428	32.100	3.45	25.049	.182
60	18.522	32.256	3.25	25.325	.238
70	18.449	32.216	3.08	25.696	.259
80	16.755	32.090	2.98	25.795	.281
90	15.782	32.112	2.92	25.990	.302
100	15.285	32.026	2.98	25.946	.322
110	14.585	34.944	2.74	26.046	.342
120	13.774	34.926	2.60	26.144	.378
130	13.257	34.934	2.52	26.272	.396
140	13.257	34.942	2.50	26.267	.414
150	13.455	34.924	2.44	26.304	.449
160	13.374	34.944	2.42	26.312	.484
170	13.200	34.938	2.35	26.320	.571
180	13.074	34.911	2.28	26.325	.623
200	12.822	34.908	1.85	26.524	.789
300	10.543	34.788	.42	26.828	.851
400	9.147	34.673	.00	26.925	.916
500	8.173	34.641	.72	26.980	.967
600	7.649	34.618	.84	27.040	.962
700	7.222	34.578	.47	27.162	1.022
800	6.571	34.573	1.31	27.162	1.073
900	5.200	34.584	1.47	27.247	1.170
1000	5.072	34.557	1.82	27.247	1.216
1000	5.235	34.551	1.88	27.347	1.303
1000	4.567	34.555	1.88	27.382	1.343
1000	4.074	34.520	1.92	27.382	1.383
1000	4.003	34.562	1.91	27.345	1.383
1006	4.552	34.561			

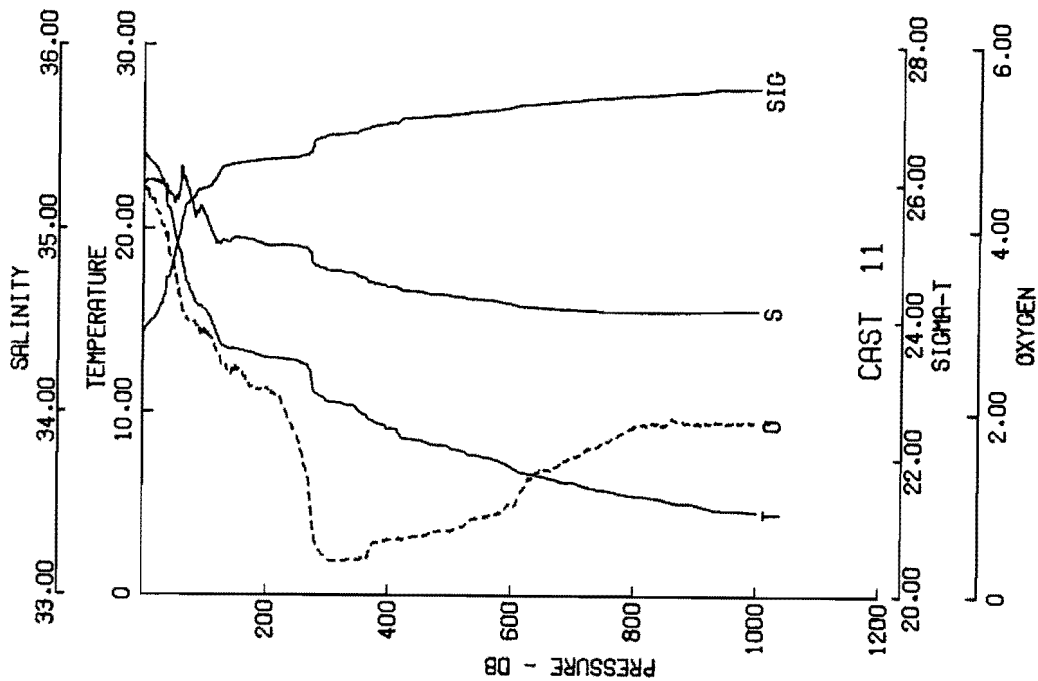


CAST EP5-79-0C-011 DATE 07 JUL 79 TIME 0830 GMT
LAT 00 03.2N LONG 109 57.5W

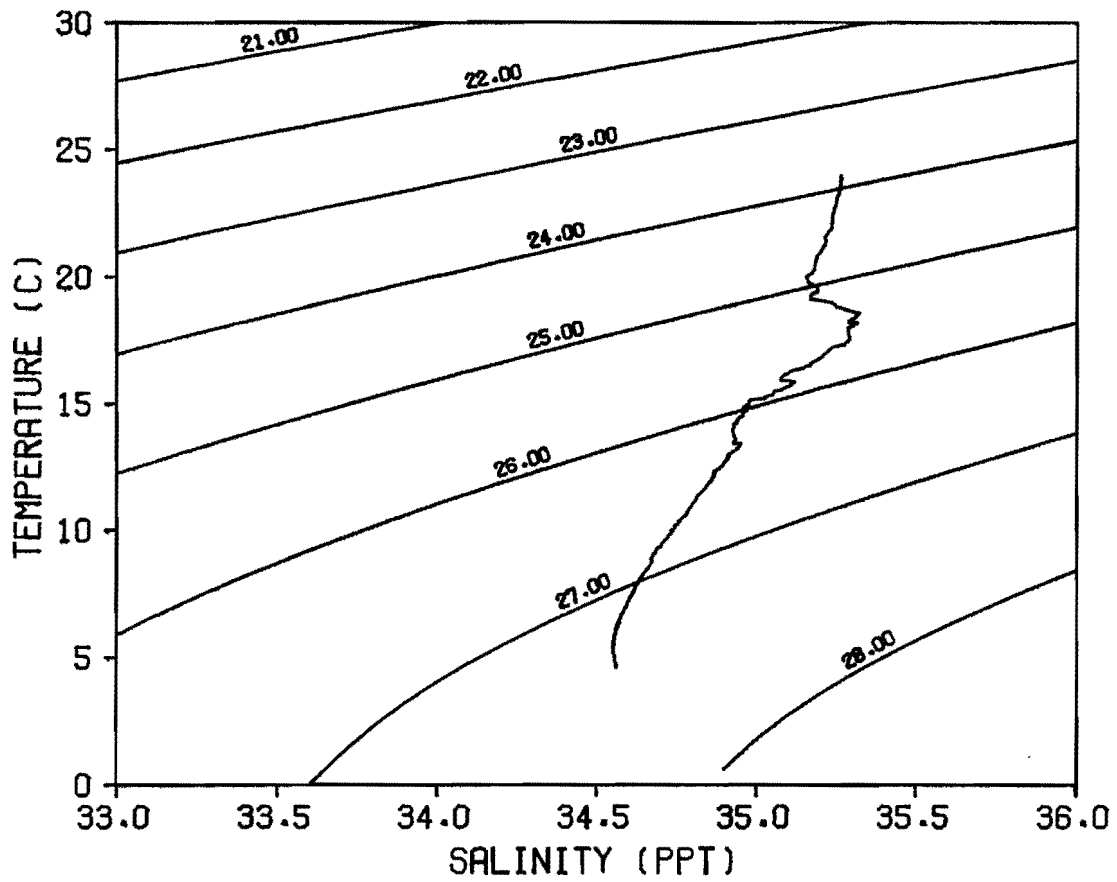


CAST EP5-79-CC-U11 DATE 07 JUL 79 TIME 0630 GMT
 LAT 00 03.2N LONG 109 27.2W WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 110 T SPD 20 KT VISIBILITY 7
 CLOUD 6 AMOUNT 7 DRY 23.9 WET 22.3 DEPTH M

PKCS (JOB)	TEMP (C)	SAL (PPT)	CHL (ML/L)	SIG-T	DELTA-D (DYN-M)
0	24.143	35.257	4.17	23.840	.000
10	23.710	35.264	4.11	23.945	.040
20	23.322	35.251	4.14	24.048	.080
30	22.709	35.192	4.04	24.225	.153
40	21.181	35.158	3.83	24.808	.196
50	19.920	35.124	3.60	24.912	.215
60	18.686	35.229	3.00	25.692	.240
70	17.104	35.130	2.99	25.775	.263
80	16.363	35.092	2.95	25.846	.285
90	15.732	35.076	2.90	25.920	.306
100	15.023	34.987	2.82	25.967	.327
110	14.100	34.928	2.64	26.114	.347
120	13.000	34.920	2.50	26.237	.366
130	13.422	34.952	2.45	26.267	.384
140	13.444	34.951	2.51	26.297	.402
150	13.370	34.944	2.43	26.313	.420
160	13.208	34.935	2.31	26.319	.437
170	13.205	34.925	2.26	26.322	.455
180	13.084	34.912	2.24	26.327	.473
190	12.977	34.906	2.20	26.337	.490
200	12.864	34.773	1.40	26.675	.577
300	10.574	34.883	.30	28.075	.656
400	9.090	34.658	.64	28.745	.792
500	6.422	34.637	.70	29.831	.851
600	5.001	34.816	.83	27.000	.968
700	7.028	34.592	1.04	27.051	1.022
800	6.517	34.575	1.09	27.112	1.073
900	5.185	34.565	1.21	27.170	1.122
1000	5.769	34.555	1.00	27.201	1.170
1100	5.402	34.552	1.87	27.200	1.215
1200	5.242	34.553	1.88	27.249	1.259
1300	5.012	34.560	1.86	27.343	1.302
1400	4.875	34.560	1.91	27.383	1.343
1500	4.547	34.563	1.90	27.392	1.383
1600	4.594	34.562	1.90	27.398	1.423

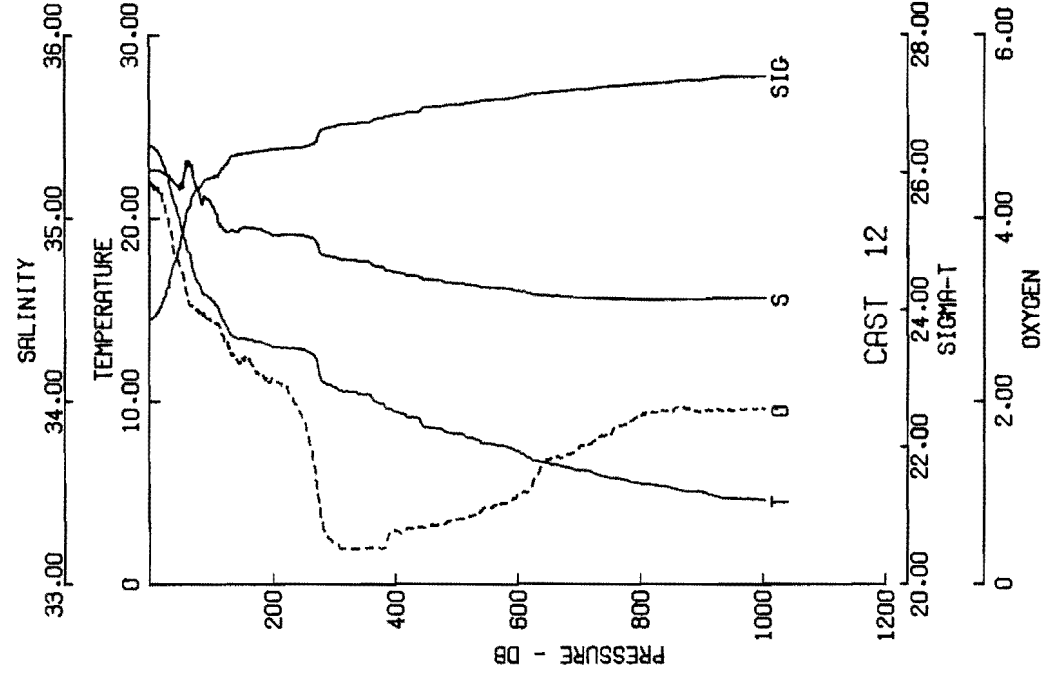


CAST EP5-79-0C-012 DATE 07 JUL 79 TIME 1100 GMT
LAT 00 02.9N LONG 109 57.6W

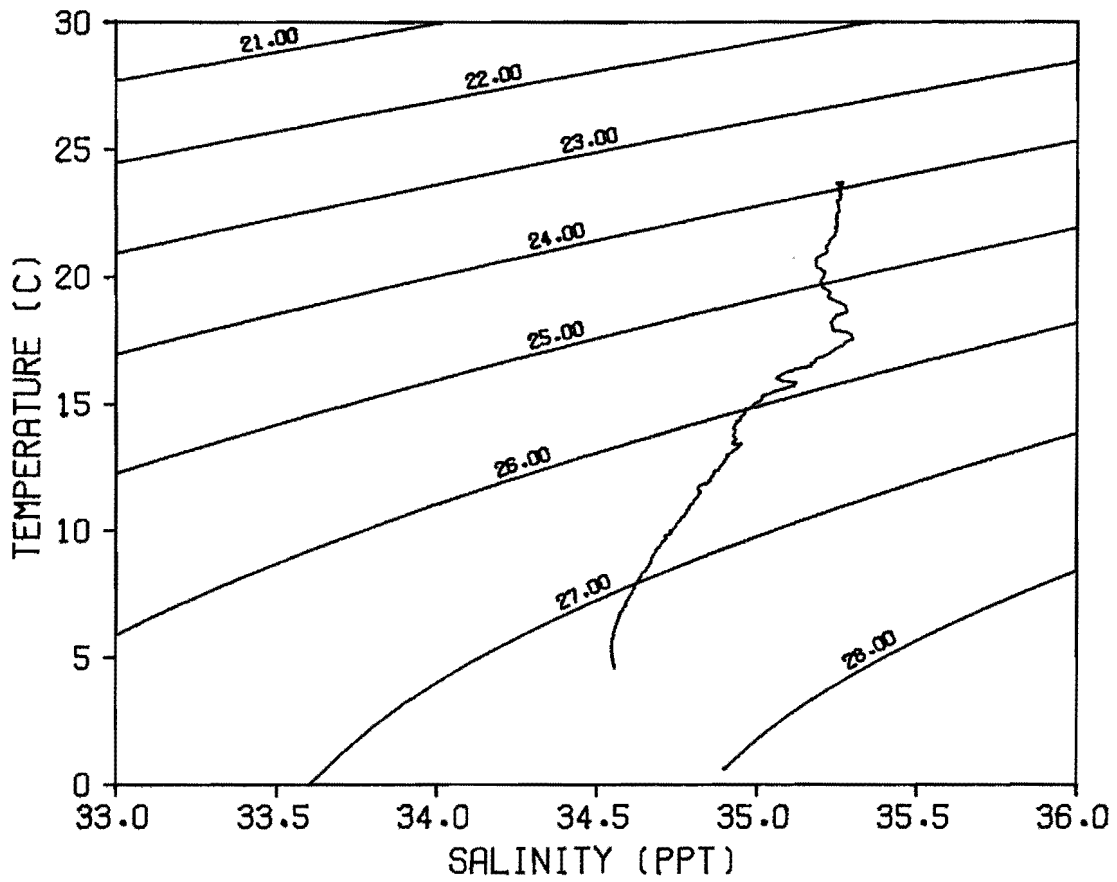


CAST 12
 LAT 00 02.94 LONG 109 57.6W DATE 07 JUL 75 TIME 1100 GMT
 BAKUMLEK LU MIND DRK 110 T SPD 17.81 SEA STATE 3
 CLOUD 6 AMOUNT 6 DRY 23.8 WET 22.3 MET 22.3 DEPTH M

PKES (DB)	TEMP (C)	SAL (PPT)	DOXY (ML/L)	SIG-T	DELTA-D (DYN-P)
0	23.700	35.264	4.40	23.809	0.00
10	23.740	35.264	4.37	24.020	0.040
20	23.840	35.250	4.28	24.063	0.080
30	24.319	35.236	4.03	24.320	0.117
40	24.913	35.200	3.80	24.671	0.152
50	19.900	35.159	3.20	25.901	0.184
60	17.320	35.270	3.02	25.397	0.212
70	19.480	35.159	2.97	25.964	0.237
80	15.032	35.117	2.95	25.779	0.260
100	15.032	35.090	2.87	25.860	0.282
110	15.154	35.028	2.85	25.960	0.304
120	14.442	34.946	2.71	25.960	0.325
130	13.783	34.922	2.57	26.068	0.345
140	13.463	34.932	2.48	26.179	0.363
150	13.440	34.949	2.42	26.239	0.382
160	13.230	34.952	2.44	26.270	0.400
170	13.304	34.947	2.36	26.254	0.419
180	13.239	34.943	2.30	26.300	0.436
190	13.112	34.929	2.20	26.336	0.454
200	12.970	34.911	2.24	26.370	0.471
220	12.925	34.909	1.79	26.370	0.489
300	10.749	34.788	1.45	26.657	0.515
350	10.332	34.762	1.39	26.724	0.555
400	9.417	34.703	1.20	26.837	0.793
450	8.330	34.663	1.03	26.947	0.857
500	7.150	34.643	0.70	26.964	0.916
550	7.651	34.619	0.54	27.040	0.973
600	7.249	34.602	0.97	27.092	1.028
650	6.600	34.577	1.35	27.160	1.060
700	5.202	34.506	1.44	27.202	1.130
750	5.480	34.358	1.62	27.252	1.177
800	5.734	34.355	1.84	27.455	1.223
850	5.201	34.323	1.87	27.511	1.267
900	4.877	34.327	1.87	27.334	1.310
950	4.201	34.304	1.90	27.365	1.351
1000	4.254	34.303	1.91	27.390	1.391

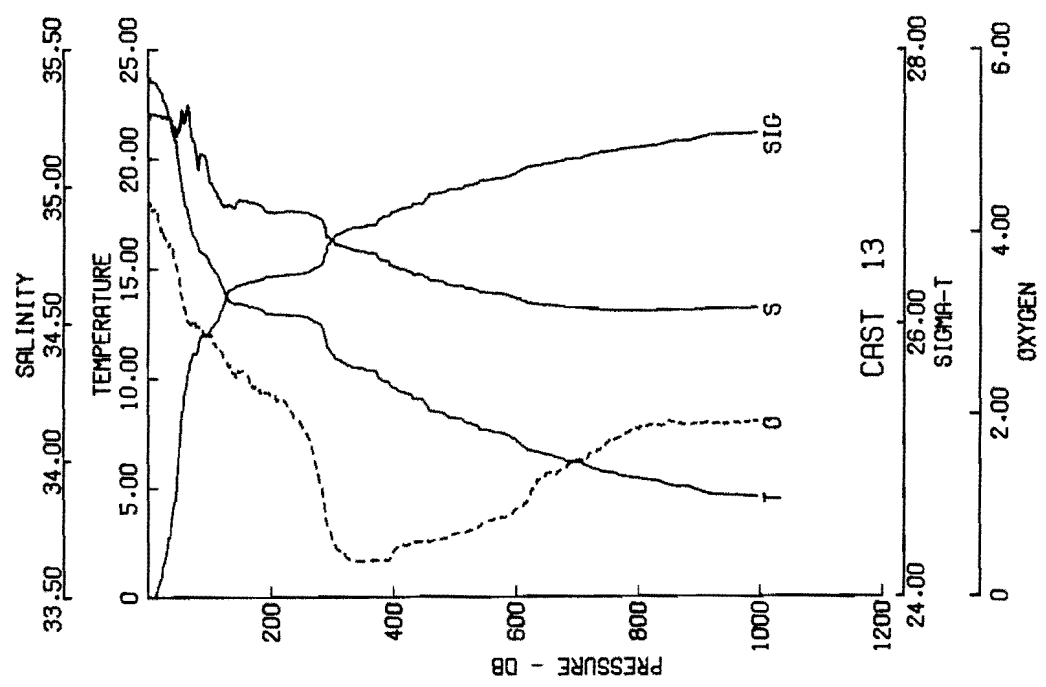


CAST EP5-79-0C-013 DATE 07 JUL 79 TIME 1252 GMT
LAT 00 02.9N LONG 109 57.6W

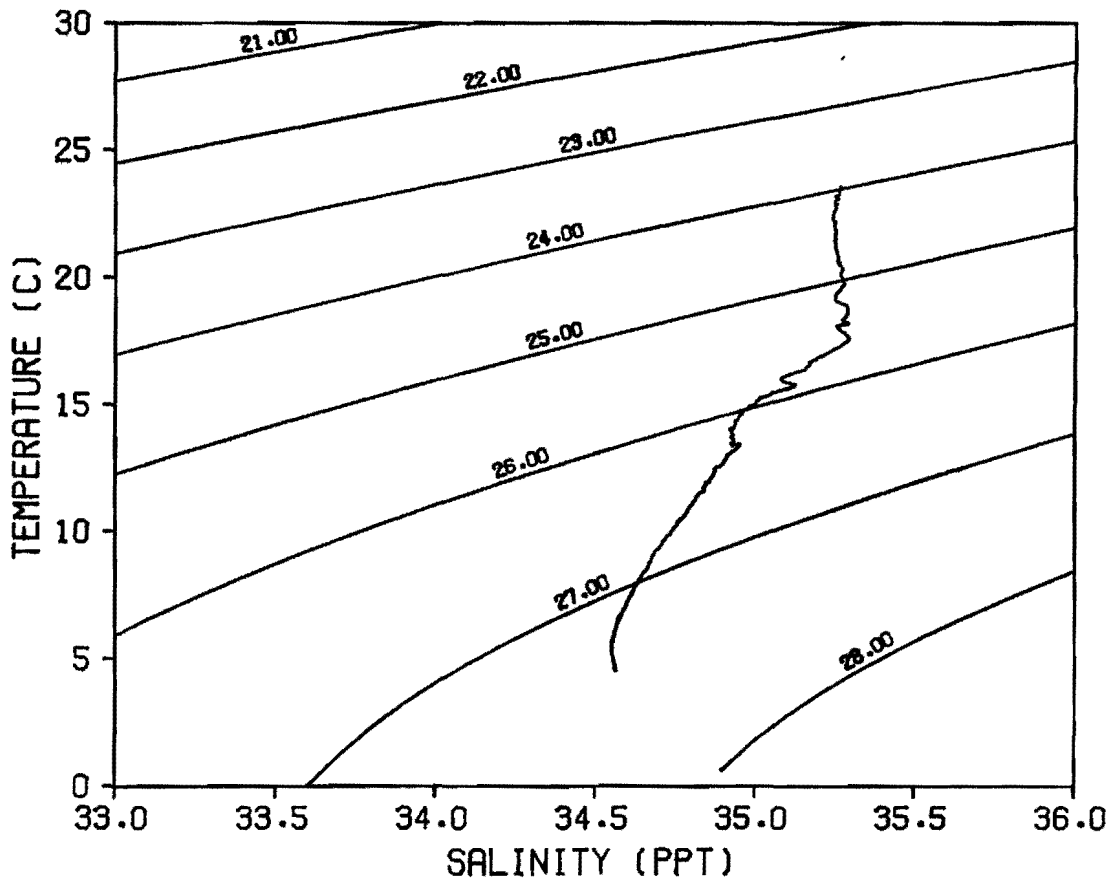


CAST EP5-79-DC-013 DATE 07 JUL 79 TIME 1252 GMT
 LAT 00 02.9N LONG 109 57.6W WEATHER 2 SEA STATE 3
 BAKUMETER AMOUNT 6 WIND DIR 120 T SPD 17 K1 VISIBILITY 7
 CLOUD 6 AMOUNT 6 DRY 23.5 WET 22.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	23.674	32.265	4.29	23.954	.000
10	23.5105	32.259	4.24	24.0018	.039
20	23.419	32.254	4.204	24.048	.078
30	23.3408	32.25	4.181	24.095	.116
40	23.2807	32.249	4.153	24.142	.153
50	23.2341	32.248	4.129	24.189	.190
60	23.1987	32.246	4.109	24.236	.227
70	23.1720	32.245	4.091	24.283	.264
80	23.1520	32.244	4.074	24.330	.301
90	23.1372	32.243	4.058	24.377	.338
100	23.1265	32.242	4.043	24.424	.375
110	23.119	32.241	4.029	24.471	.412
120	23.1143	32.24	4.016	24.518	.449
130	23.1119	32.239	4.004	24.565	.486
140	23.111	32.238	4.0	24.612	.523
150	23.1105	32.237	4.0	24.659	.560
160	23.110	32.236	4.0	24.706	.597
170	23.1095	32.235	4.0	24.753	.634
180	23.109	32.234	4.0	24.800	.671
190	23.1085	32.233	4.0	24.847	.708
200	23.108	32.232	4.0	24.894	.745
210	23.1075	32.231	4.0	24.941	.782
220	23.107	32.23	4.0	24.988	.819
230	23.1065	32.229	4.0	25.035	.856
240	23.106	32.228	4.0	25.082	.893
250	23.1055	32.227	4.0	25.129	.930
260	23.105	32.226	4.0	25.176	.967
270	23.1045	32.225	4.0	25.223	1.004
280	23.104	32.224	4.0	25.270	1.041
290	23.1035	32.223	4.0	25.317	1.078
300	23.103	32.222	4.0	25.364	1.115
310	23.1025	32.221	4.0	25.411	1.152
320	23.102	32.22	4.0	25.458	1.189
330	23.1015	32.219	4.0	25.505	1.226
340	23.101	32.218	4.0	25.552	1.263
350	23.1005	32.217	4.0	25.599	1.300
360	23.100	32.216	4.0	25.646	1.337
370	23.0995	32.215	4.0	25.693	1.374
380	23.099	32.214	4.0	25.740	1.411
390	23.0985	32.213	4.0	25.787	1.448
400	23.098	32.212	4.0	25.834	1.485
410	23.0975	32.211	4.0	25.881	1.522
420	23.097	32.21	4.0	25.928	1.559
430	23.0965	32.209	4.0	25.975	1.596
440	23.096	32.208	4.0	26.022	1.633
450	23.0955	32.207	4.0	26.069	1.670
460	23.095	32.206	4.0	26.116	1.707
470	23.0945	32.205	4.0	26.163	1.744
480	23.094	32.204	4.0	26.210	1.781
490	23.0935	32.203	4.0	26.257	1.818
500	23.093	32.202	4.0	26.304	1.855
510	23.0925	32.201	4.0	26.351	1.892
520	23.092	32.20	4.0	26.398	1.929
530	23.0915	32.199	4.0	26.445	1.966
540	23.091	32.198	4.0	26.492	2.003
550	23.0905	32.197	4.0	26.539	2.040
560	23.090	32.196	4.0	26.586	2.077
570	23.0895	32.195	4.0	26.633	2.114
580	23.089	32.194	4.0	26.680	2.151
590	23.0885	32.193	4.0	26.727	2.188
600	23.088	32.192	4.0	26.774	2.225
610	23.0875	32.191	4.0	26.821	2.262
620	23.087	32.19	4.0	26.868	2.299
630	23.0865	32.189	4.0	26.915	2.336
640	23.086	32.188	4.0	26.962	2.373
650	23.0855	32.187	4.0	27.009	2.410
660	23.085	32.186	4.0	27.056	2.447
670	23.0845	32.185	4.0	27.103	2.484
680	23.084	32.184	4.0	27.150	2.521
690	23.0835	32.183	4.0	27.197	2.558
700	23.083	32.182	4.0	27.244	2.595
710	23.0825	32.181	4.0	27.291	2.632
720	23.082	32.18	4.0	27.338	2.669
730	23.0815	32.179	4.0	27.385	2.706
740	23.081	32.178	4.0	27.432	2.743
750	23.0805	32.177	4.0	27.479	2.780
760	23.080	32.176	4.0	27.526	2.817
770	23.0795	32.175	4.0	27.573	2.854
780	23.079	32.174	4.0	27.620	2.891
790	23.0785	32.173	4.0	27.667	2.928
800	23.078	32.172	4.0	27.714	2.965
810	23.0775	32.171	4.0	27.761	3.002
820	23.077	32.17	4.0	27.808	3.039
830	23.0765	32.169	4.0	27.855	3.076
840	23.076	32.168	4.0	27.902	3.113
850	23.0755	32.167	4.0	27.949	3.150
860	23.075	32.166	4.0	27.996	3.187
870	23.0745	32.165	4.0	28.043	3.224
880	23.074	32.164	4.0	28.090	3.261
890	23.0735	32.163	4.0	28.137	3.298
900	23.073	32.162	4.0	28.184	3.335
910	23.0725	32.161	4.0	28.231	3.372
920	23.072	32.16	4.0	28.278	3.409
930	23.0715	32.159	4.0	28.325	3.446
940	23.071	32.158	4.0	28.372	3.483
950	23.0705	32.157	4.0	28.419	3.520
960	23.070	32.156	4.0	28.466	3.557
970	23.0695	32.155	4.0	28.513	3.594
980	23.069	32.154	4.0	28.560	3.631
990	23.0685	32.153	4.0	28.607	3.668
1000	23.068	32.152	4.0	28.654	3.705

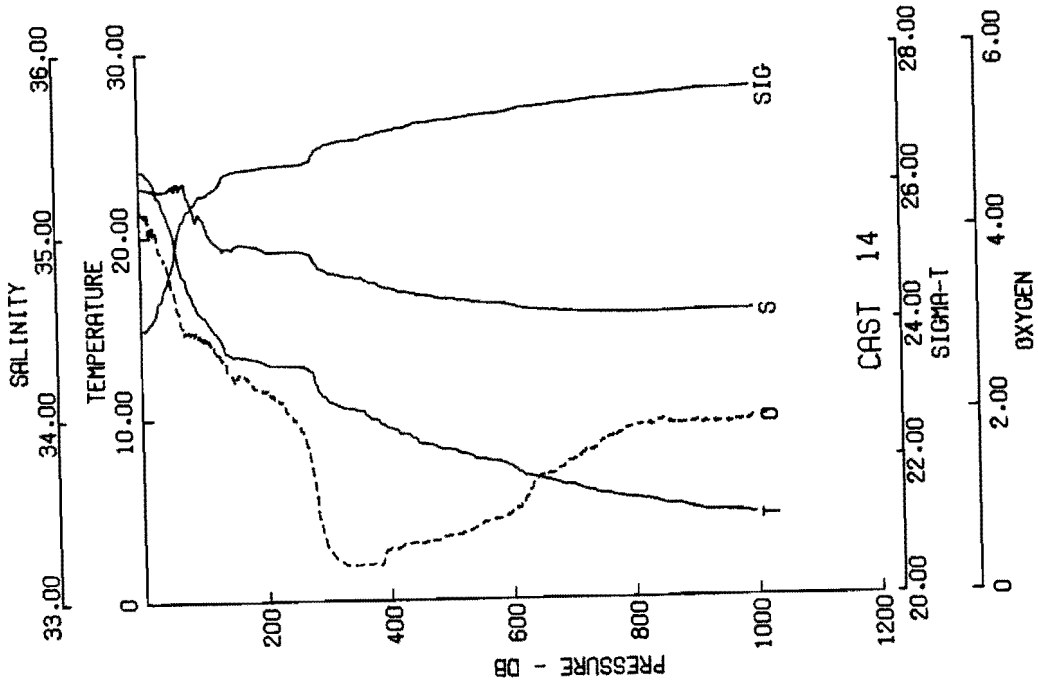


CAST EP5-79-0C-014 DATE 07 JUL 79 TIME 1452 GMT
LAT 00 03.0N LONG 109 57.7W

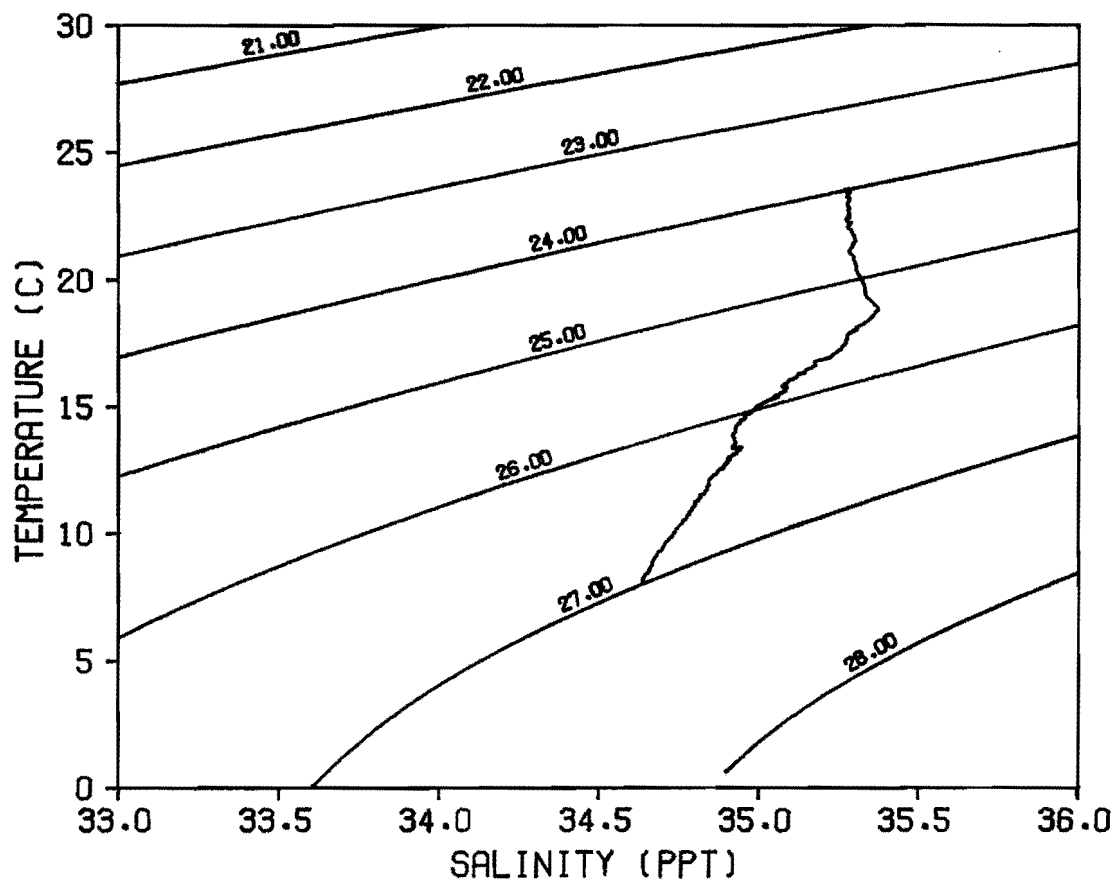


CAST 1452-79-JUL-014 DATE 07 JUL 79 TIME 1452 GMT
 LAT 00 03.04 LONG 109 57.74 WEATHER 1 SEA STATE 5
 WIND DIR 120 T SPD 10 KT VISIBILITY 7
 WAVE DIR 240 WAVE HGT 2.0 M
 WIND DIR 120 T SPD 10 KT VISIBILITY 7
 WAVE DIR 240 WAVE HGT 2.0 M

PKL5 (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	23.594	35.267	4.27	23.900	.000
10	23.400	35.267	4.07	24.012	.039
20	22.009	35.253	3.87	24.127	.078
30	21.429	35.247	3.71	24.242	.115
40	20.225	35.263	3.54	24.356	.152
50	18.740	35.291	3.39	24.470	.189
60	17.755	35.268	3.24	24.584	.227
70	16.035	35.287	2.93	24.721	.261
80	15.066	35.287	2.93	24.810	.283
90	13.021	35.102	2.85	24.947	.305
100	12.223	35.101	2.85	25.047	.326
110	14.752	34.967	2.87	25.110	.346
120	14.224	34.930	2.83	25.210	.366
130	13.562	34.935	2.81	25.277	.385
140	13.309	34.930	2.81	25.341	.403
150	13.413	34.953	2.81	25.404	.421
160	13.320	34.944	2.82	25.470	.439
170	13.270	34.930	2.82	25.534	.457
180	13.200	34.920	2.82	25.600	.474
190	13.041	34.913	2.84	25.666	.492
200	11.867	34.801	1.94	25.732	.510
250	11.034	34.704	.50	25.833	.601
300	10.306	34.704	.57	25.947	.692
350	9.421	34.604	.62	26.063	.780
400	8.219	34.643	.70	26.180	.863
450	7.100	34.613	.85	26.300	.943
500	7.049	34.601	.97	26.422	1.023
550	7.242	34.574	1.23	26.547	1.103
600	6.172	34.500	1.51	26.674	1.182
650	5.077	34.555	1.70	26.803	1.261
700	3.437	34.555	1.85	26.933	1.340
750	2.073	34.555	1.92	27.063	1.419
800	7.910	34.555	1.91	27.193	1.498
850	4.560	34.562	1.89	27.323	1.577
900	4.217	34.564	1.97	27.453	1.656
950					
994					

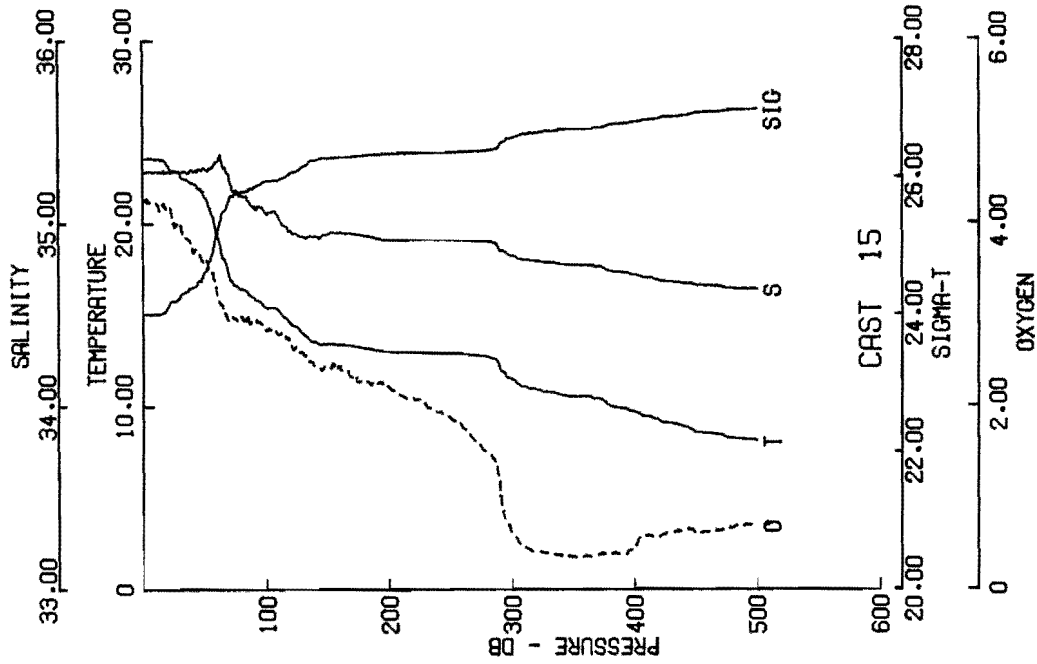


CAST EP5-79-0C-015 DATE 08 JUL 79 TIME 0156 GMT
LAT 00 02.8N LONG 109 58.1W

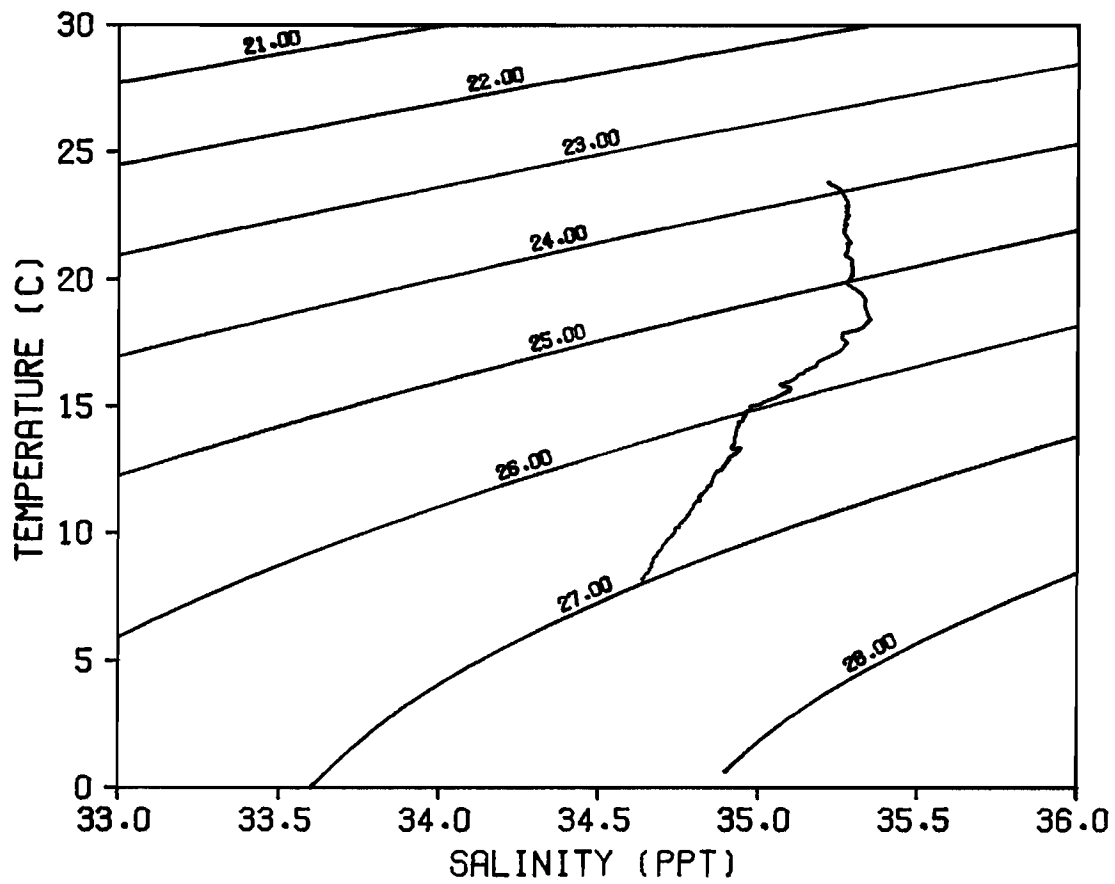


CAST 15 79-00-015 DATE 08 JUL 79 TIME 0156 GMT
 LAT 00.02 S LON 109 58.14 WEA THEK 2 SLS STATE 3
 BAKUMETER 11 WIND JIR 103 T SPD 20 KT VISI BILITY 8
 CLOUD 6 AMOUNT 8 DRY 23.0 WET 21.2 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	DX (ML/L)	SIG-T	DELTA-D (DYN-M)
0	23.234	35.270	4.34	24.002	.000
10	23.215	35.284	4.22	24.047	.039
20	23.240	35.276	4.17	24.041	.078
30	22.720	35.280	4.04	24.244	.116
40	22.176	35.287	3.71	24.406	.152
50	21.495	35.303	3.61	24.606	.187
60	19.431	35.334	3.29	25.177	.218
70	17.253	35.257	2.92	25.667	.244
80	16.395	35.147	2.57	25.786	.269
90	15.346	35.043	2.43	25.876	.299
100	15.370	35.049	2.92	25.944	.310
110	15.605	35.040	2.76	25.961	.331
120	14.778	34.954	2.67	25.967	.351
130	13.564	34.927	2.57	26.155	.371
140	13.591	34.920	2.43	26.253	.389
150	13.393	34.937	2.41	26.292	.407
160	13.322	34.949	2.42	26.296	.423
170	13.622	34.742	2.11	26.306	.443
180	13.158	34.931	2.23	26.325	.461
190	13.033	34.915	2.20	26.358	.478
200	12.758	34.908	2.20	26.346	.496
250	12.866	34.908	1.86	26.306	.527
300	11.467	34.820	.61	26.509	.570
320	10.204	34.709	.34	26.703	.610
400	9.671	34.715	.44	26.804	.674
450	8.269	34.661	.70	26.941	.740
500	8.117	34.636	.70	26.992	.814
					.934

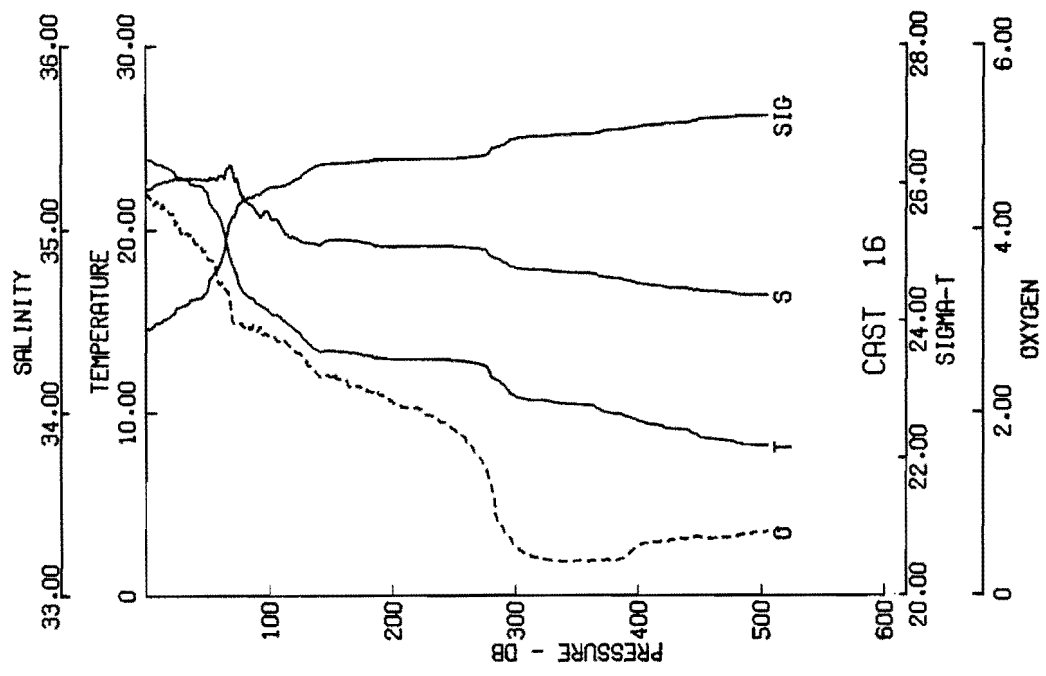


CAST EP5-79-0C-016 DATE 08 JUL 79 TIME 0338 GMT
LAT 00 02.8N LONG 109 58.1W

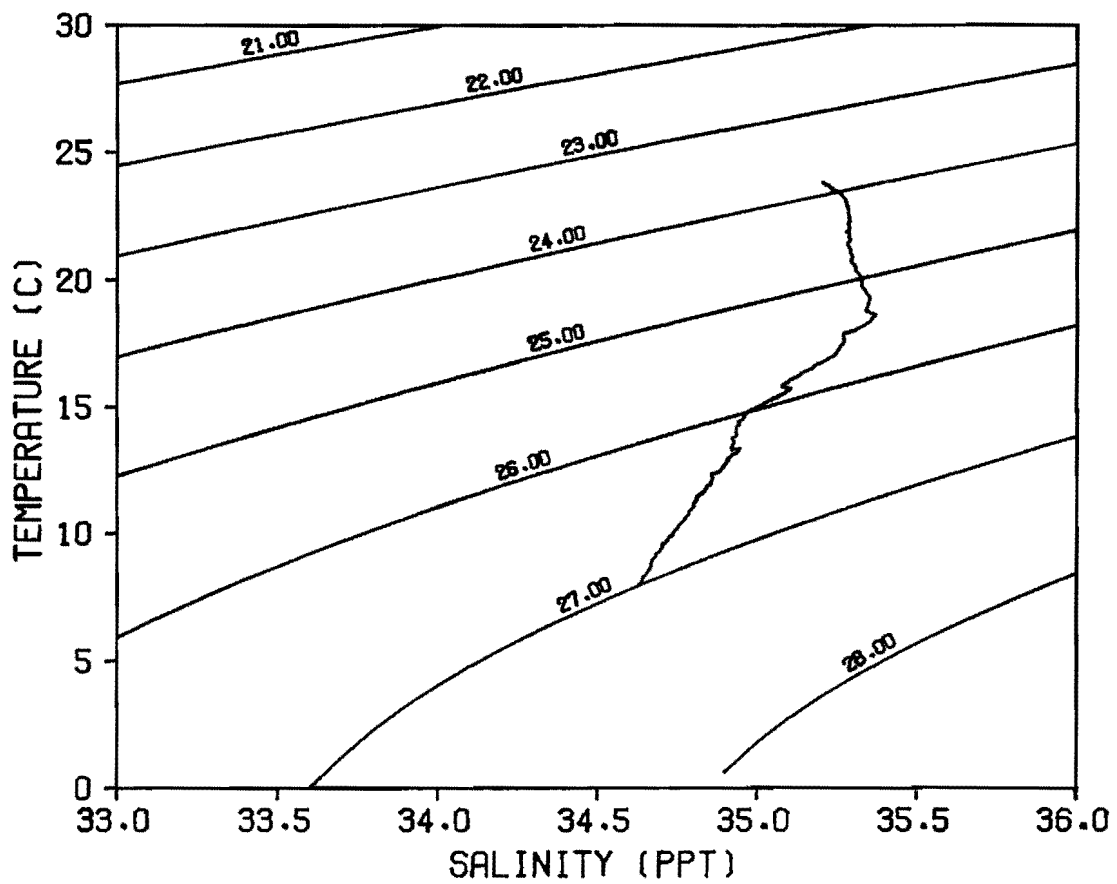


CAST 162-74-UL-0.6 DATE 08 JUL 79 TIME 0336 GMT
 LAT 00.02.0N LONG 109 56.1W WEATHER 1 SEA STATE 5
 BAROMETR 12 WIND DIR 120 T SPD 15 KT VISIBILITY 7
 CLOUDS 3 AMOUNT 2 DRY 23.2 WET 22.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	DXY (ML/L)	SIG-T	DELTA-D (DYN-F)
0	23.812	35.219	4.30	23.880	.040
10	23.271	35.251	4.17	23.970	.079
20	23.296	35.279	3.97	24.070	.117
30	22.794	35.279	3.85	24.223	.154
40	22.423	35.271	3.70	24.328	.190
50	22.080	35.246	3.41	24.419	.223
60	18.122	35.324	3.02	24.518	.251
70	16.542	35.172	2.83	25.711	.275
80	15.577	35.099	2.69	25.970	.297
100	15.220	35.085	2.63	25.939	.319
110	15.150	35.018	2.74	25.987	.340
120	14.807	34.960	2.68	25.904	.360
130	13.906	34.931	2.56	26.170	.380
140	13.374	34.916	2.41	26.408	.348
150	13.377	34.940	2.37	26.292	.416
160	13.320	34.940	2.23	26.301	.434
170	13.240	34.940	2.24	26.314	.451
180	13.120	34.928	2.24	26.329	.469
190	12.950	34.911	2.19	26.343	.506
200	12.930	34.906	2.12	26.331	.504
220	12.840	34.799	1.81	26.369	.540
240	10.949	34.791	.36	26.541	.673
260	10.414	34.763	.36	26.713	.744
280	8.524	34.702	.55	26.810	.813
300	8.530	34.666	.55	26.934	.877
320	8.189	34.638	.67	26.984	.937
340	6.150	34.638	.70	26.986	.937

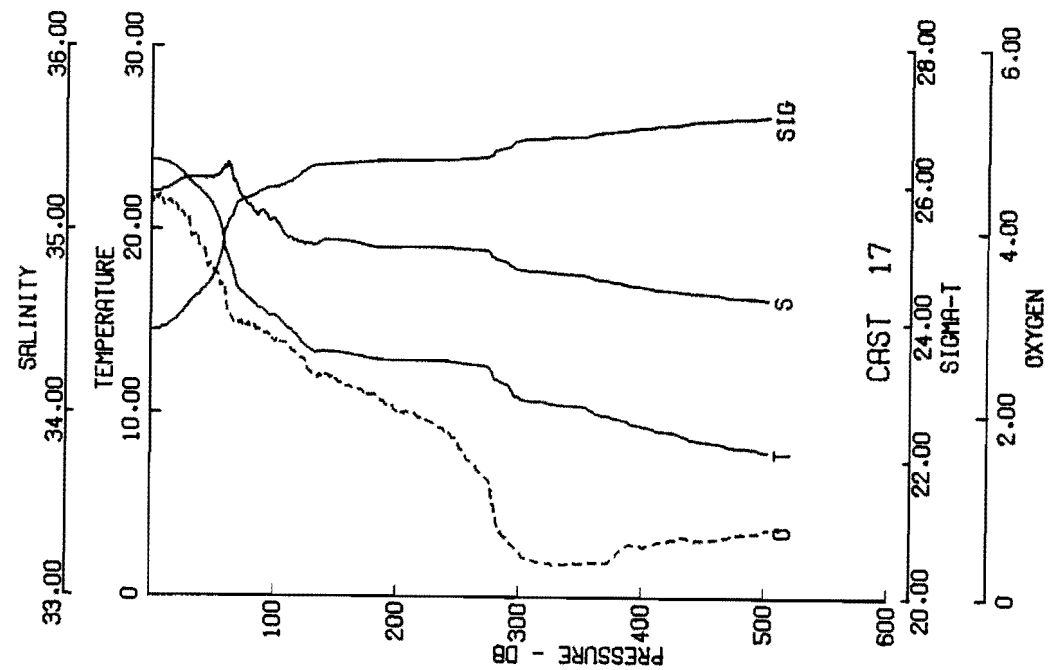


CAST EP5-79-0C-017 DATE 08 JUL 79 TIME 0439 GMT
LAT 00 03.2N LONG 109 59.1W

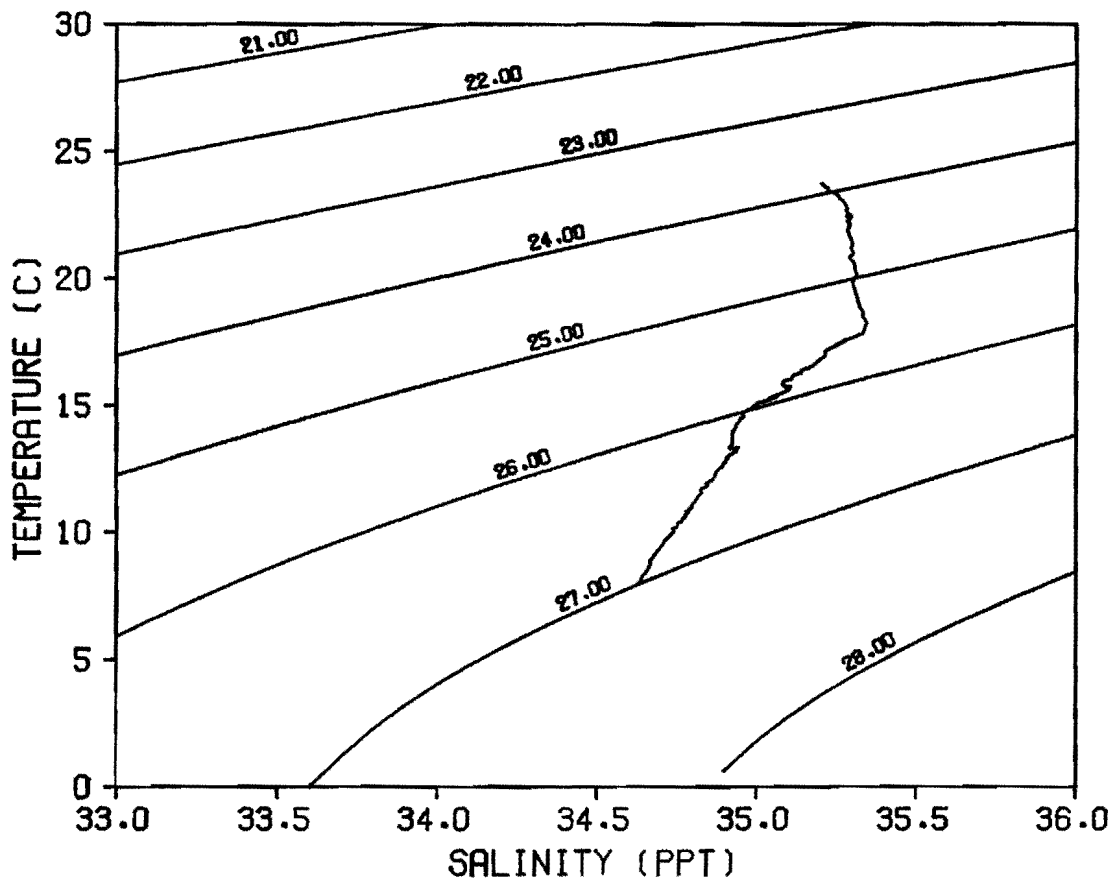


CAST EP5-74-00-017 DATE 06 JUL 75 TIME 0439 GMT
 LAT 05 24 N LONG 109 29.1 W MEANER 1 DEG STATE
 PARAMETER 12 WIND DIR 100 T SPD 10 KT VISIBILITY 7
 CLOUD 3 AMOUNT 2 DRY 23.2 WET 22.0 DEPTH M

PRES (UB)	TEMP (C)	SAL (PPT)	DOX (ML/L)	SIG-T	DELTA-T (DYN-M)
0	23.000	35.205	4.54	23.872	.000
10	23.095	35.222	4.25	23.916	.040
20	22.744	35.253	4.27	24.024	.080
30	22.114	35.287	4.13	24.140	.116
40	21.350	35.322	3.81	24.221	.154
50	18.079	35.343	3.54	24.630	.189
60	16.230	35.223	3.56	25.336	.219
70	15.688	35.132	2.94	25.731	.244
80	15.318	35.108	2.94	25.813	.267
90	14.714	35.060	2.75	25.918	.288
100	14.112	34.963	2.75	26.023	.309
110	13.479	34.938	2.62	26.131	.330
120	13.382	34.925	2.42	26.252	.350
130	13.333	34.945	2.38	26.290	.368
140	13.244	34.946	2.36	26.301	.380
150	13.113	34.928	2.24	26.315	.404
160	12.930	34.910	2.20	26.328	.439
170	12.713	34.908	2.11	26.351	.474
180	12.513	34.903	1.86	26.379	.491
190	10.034	34.787	1.47	26.627	.578
200	9.321	34.659	.37	26.715	.659
250	7.950	34.629	.22	26.748	.754
302	7.955	34.629	.74	27.009	.861
				27.009	.920

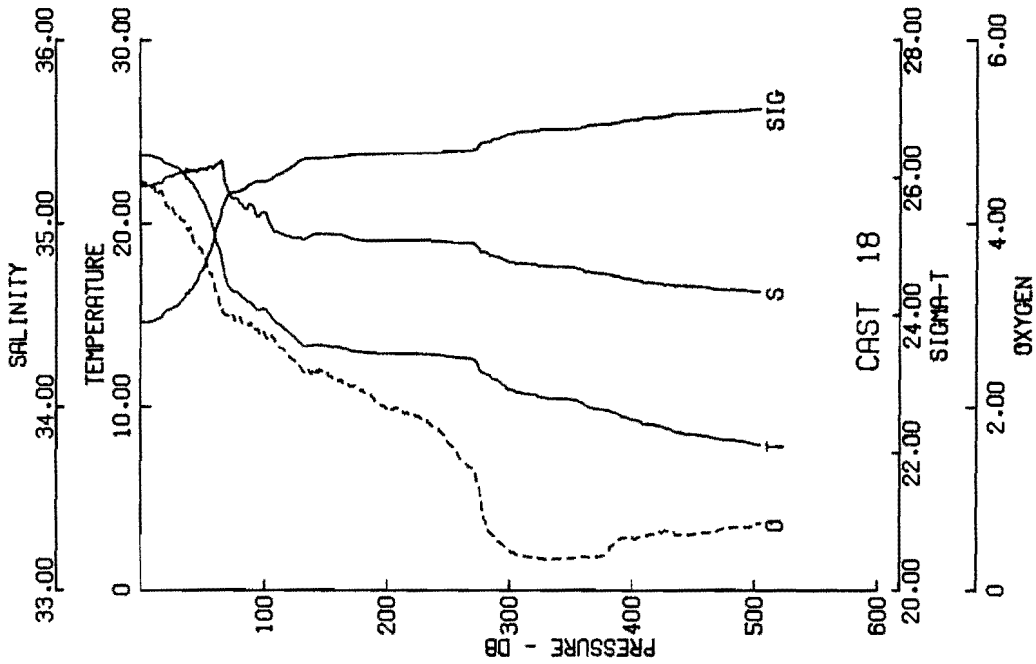


CAST EP5-79-0C-018 DATE 08 JUL 79 TIME 0545 GMT
LAT 00 03.6N LONG 109 55.8W

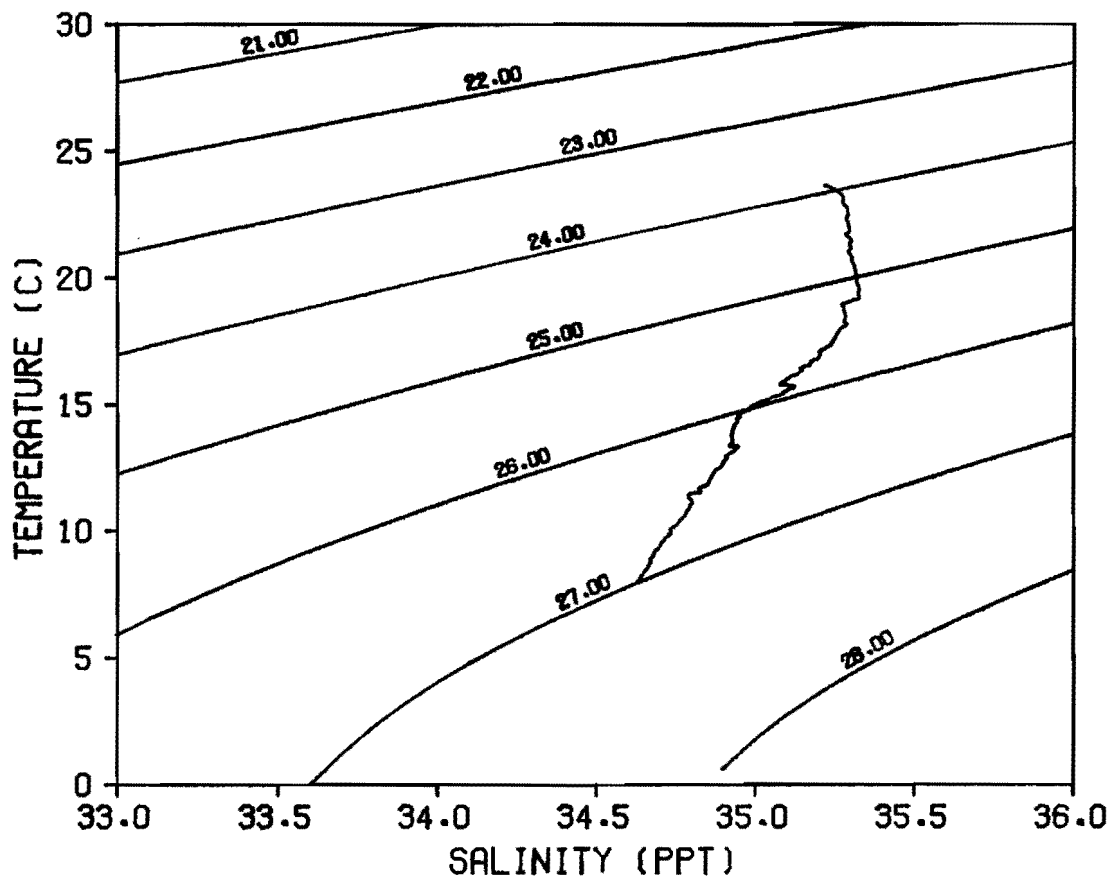


CAST 182-79-JC-018 DATE 03 JUL 79 TIME 0545 GMT
 LAT 00 03.6N LONG 107 55.0W WEATHER 1 SEA STATE 5
 BAROMETER 12 WIND DIR 100 Y SPD 10 KT VISIBILITY 7
 CLOUD 3 AMOUNT 2 DRY 23.2 WET 22.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	CXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	23.740	35.204	4.43	23.923	.000
10	23.640	35.211	4.71	24.022	.040
20	23.503	35.222	4.22	24.137	.118
30	22.278	35.298	3.98	24.200	.190
40	21.301	35.314	3.50	25.273	.246
50	19.859	35.116	3.00	25.631	.268
60	18.177	35.102	2.98	25.981	.290
70	15.810	35.084	2.79	26.081	.310
80	15.549	34.959	2.69	26.139	.331
90	14.200	34.932	2.55	26.203	.369
100	14.057	34.919	2.43	26.252	.387
110	13.417	34.943	2.41	26.311	.405
120	13.200	34.945	2.37	26.344	.423
130	13.130	34.939	2.29	26.353	.440
140	13.270	34.920	2.23	26.352	.457
150	12.980	34.909	2.19	26.352	.472
160	12.927	34.906	2.07	26.356	.479
170	12.910	34.907	1.98	26.363	.492
180	12.749	34.789	1.61	26.373	.576
190	10.951	34.781	.30	26.647	.732
200	9.512	34.693	.37	26.851	.799
250	7.975	34.659	.92	27.007	.861
300	7.954	34.628	.73	27.009	.920

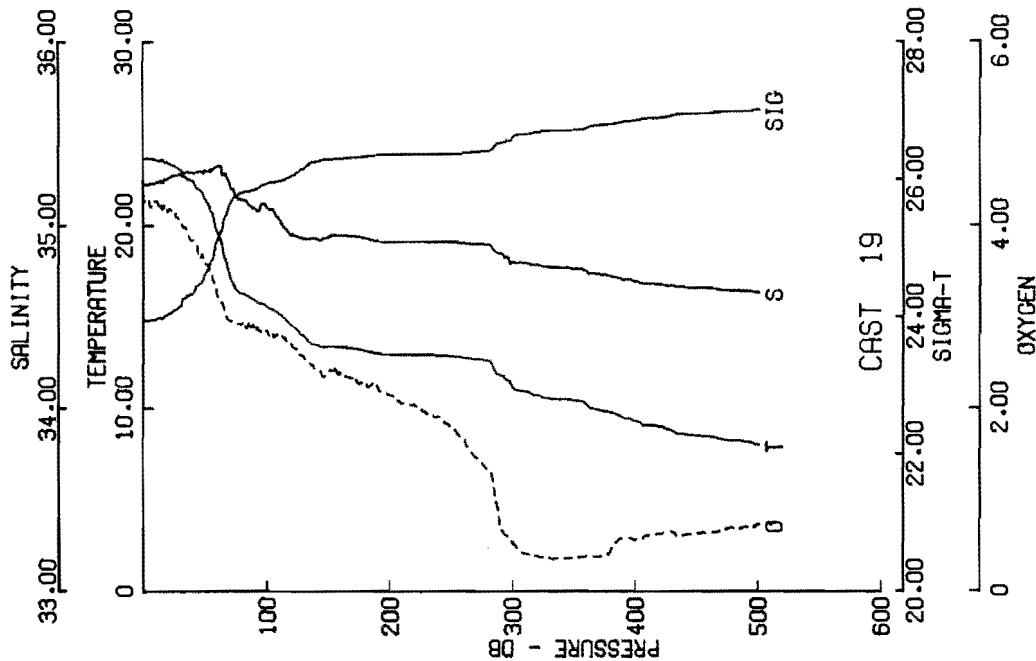


CAST EP5-79-0C-019 DATE 08 JUL 79 TIME 0701 GMT
LAT 00 02.1N LONG 109 57.3W

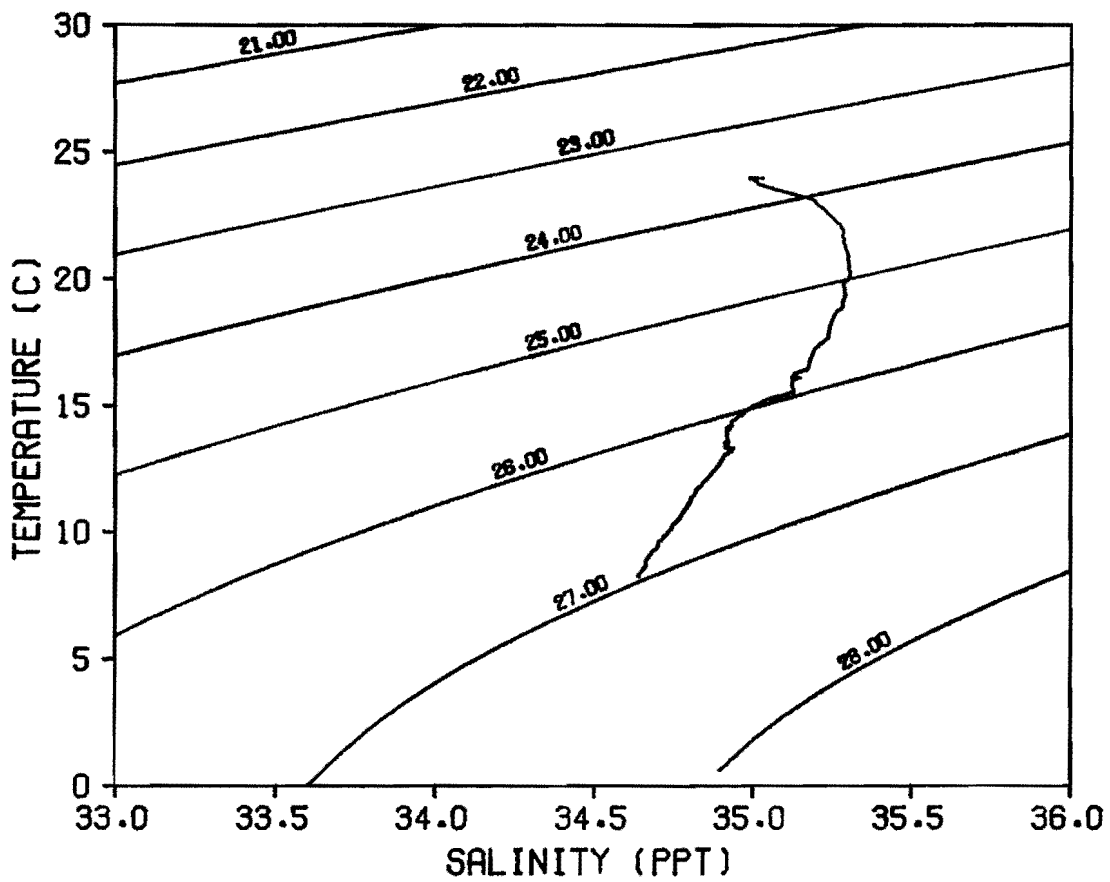


CAST 19 02-1M UC-019 DATE 08 JUL 79 TIME 0701 GMT
 LAT 02.1M LUNG 109 57.34 WEATHER 1 154 STATE 3
 PKUMMLER 13 MANU DIR 090T SPD 19 KT VISIBILITY 7
 CLOUD X AMOUNT 1 DRY 24.0 WET 21.1 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	DAY (ML/L)	SIG-I	DELTA-D (DYN-M)
0	23.047	35.219	4.33	23.950	.000
10	23.047	35.228	4.28	23.951	.079
20	23.043	35.227	4.15	24.026	.118
30	22.458	35.279	4.04	24.140	.154
40	22.451	35.288	3.84	24.327	.189
50	21.450	35.301	3.58	24.603	.221
60	19.734	35.321	3.24	25.093	.248
70	17.507	35.235	2.96	25.638	.270
80	16.278	32.141	2.91	25.809	.270
90	15.949	35.098	2.88	25.821	.314
100	15.552	35.104	2.80	25.957	.335
110	15.183	35.038	2.80	25.970	.335
120	14.803	34.943	2.71	26.040	.375
130	13.993	34.927	2.77	26.130	.375
140	13.483	34.920	2.91	26.250	.393
150	13.388	34.937	2.99	26.287	.411
160	13.340	34.943	2.99	26.299	.429
170	13.275	34.941	2.93	26.310	.447
180	13.150	34.931	2.93	26.327	.464
190	13.063	34.916	2.94	26.342	.482
200	12.947	34.907	2.94	26.349	.499
250	12.841	34.907	1.80	26.370	.586
300	11.218	34.797	.36	26.590	.742
350	10.405	34.761	.36	26.714	.809
400	9.288	34.652	.36	26.850	.871
450	8.793	34.658	.73	26.951	.930
500	7.982	34.631	.73	27.007	.930

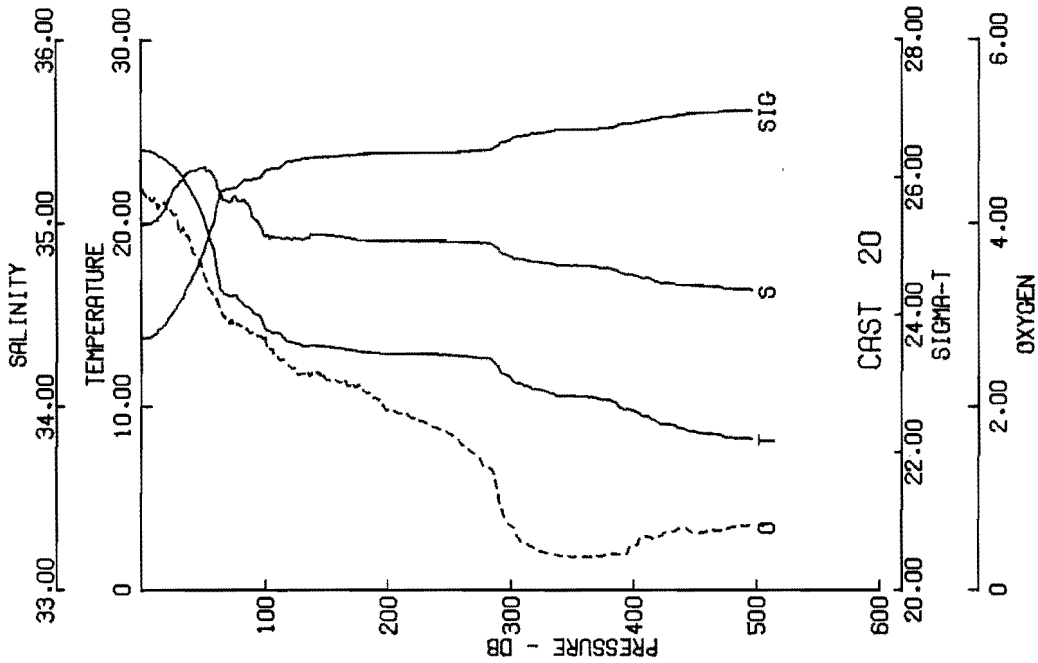


CAST EP5-79-0C-020 DATE 09 JUL 79 TIME 0137 GMT
LAT 00 03.0N LONG 109 58.0W

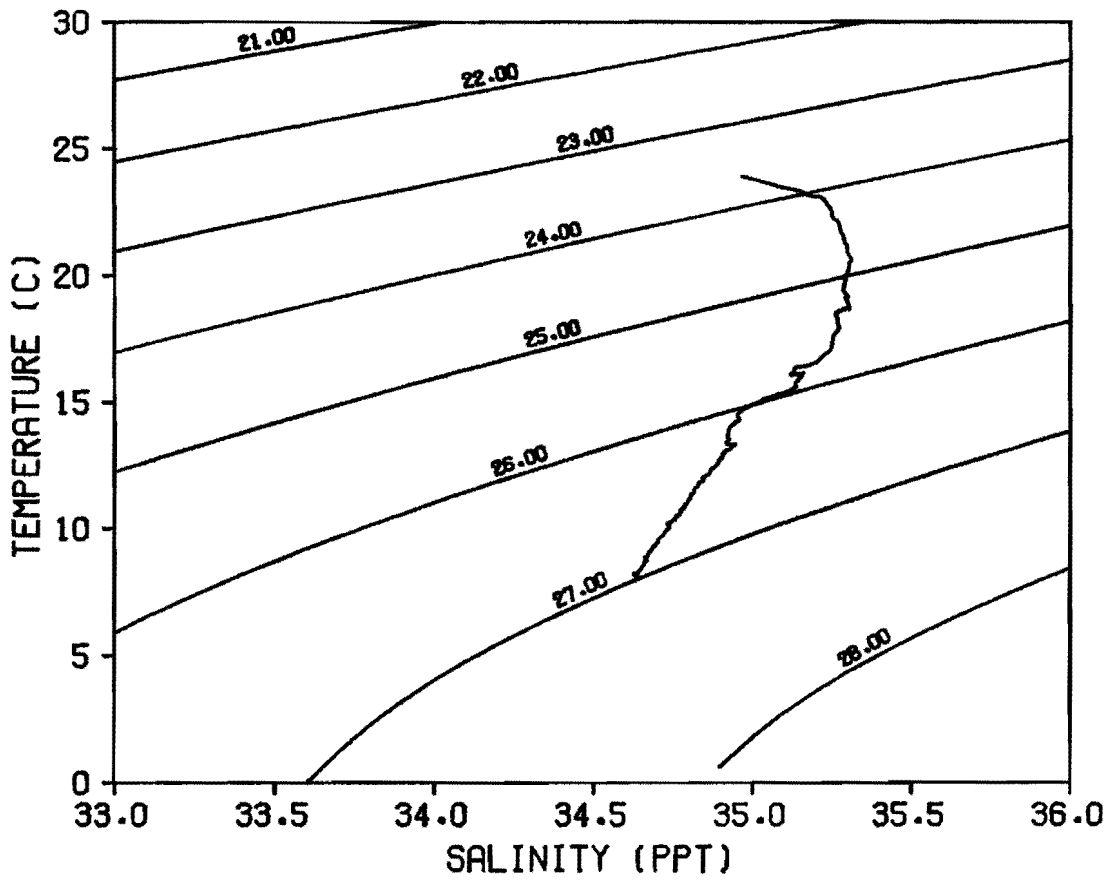


CAST EP5-79-05-020 DATE 09 JUL 79 TIML 0137 GMT
 LAI 03.0N LONG 109 28.0W WEATHR 1 SEA STATE 3
 PAKL 11 WIND DIR 135 T SFC 12 KT VISIBILITY 8
 CLOUD 6 AMOUNT 5 DRY 24.0 WET 22.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIGMA-T	DELTA-SI
0	23.964	32.031	4.08	23.688	.000
10	23.864	32.011	4.20	23.708	.084
20	23.504	32.078	3.97	23.682	.123
30	22.874	32.210	3.77	24.142	.159
40	21.862	32.264	3.40	24.470	.192
50	20.404	32.302	3.20	24.800	.220
60	18.144	32.120	2.91	25.040	.243
70	16.044	32.035	2.84	25.035	.265
80	15.812	32.931	2.76	25.975	.306
90	15.163	34.922	2.50	26.042	.325
100	14.270	34.914	2.44	26.141	.344
110	13.237	34.914	2.36	26.277	.360
120	13.332	34.940	2.40	26.477	.378
130	13.331	34.936	2.27	26.306	.415
140	13.270	34.931	2.27	26.317	.433
150	13.190	34.919	2.17	26.339	.450
160	12.981	34.908	2.10	26.330	.468
170	12.931	34.905	1.96	26.374	.471
180	12.892	34.901	1.70	26.525	.556
190	12.807	34.819	.36	26.657	.630
200	11.532	34.769	.47	26.754	.600
250	9.730	34.717	.62	26.922	.663
300	8.914	34.633	.70		
400					
496					

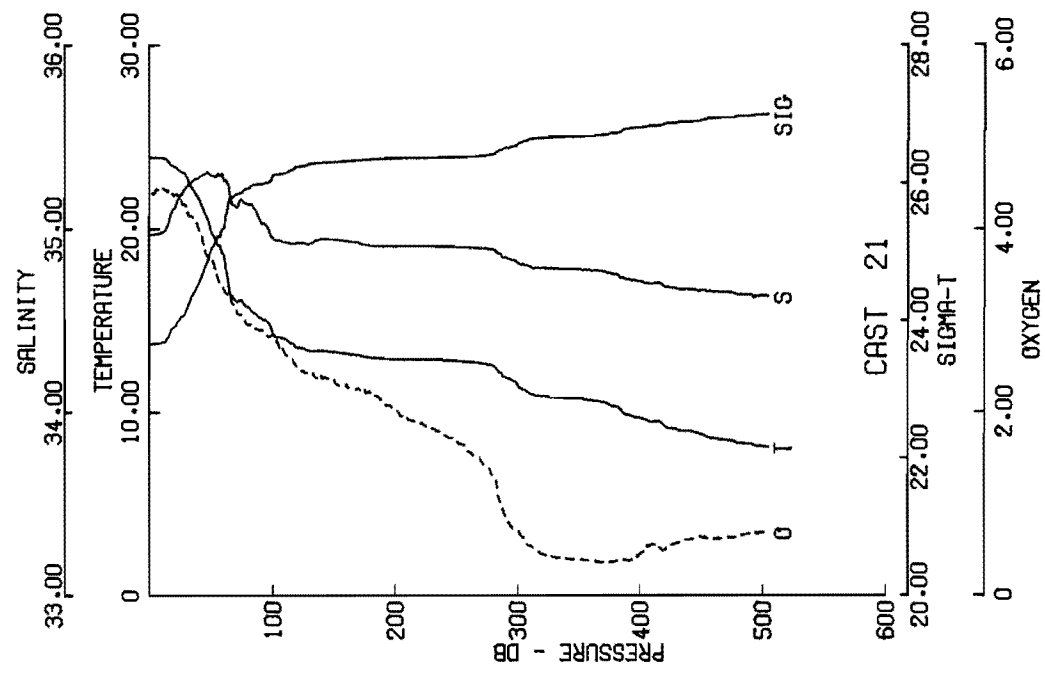


CAST EP5-79-0C-021 DATE 09 JUL 79 TIME 0248 GMT
LAT 00 01.8N LONG 109 58.0W

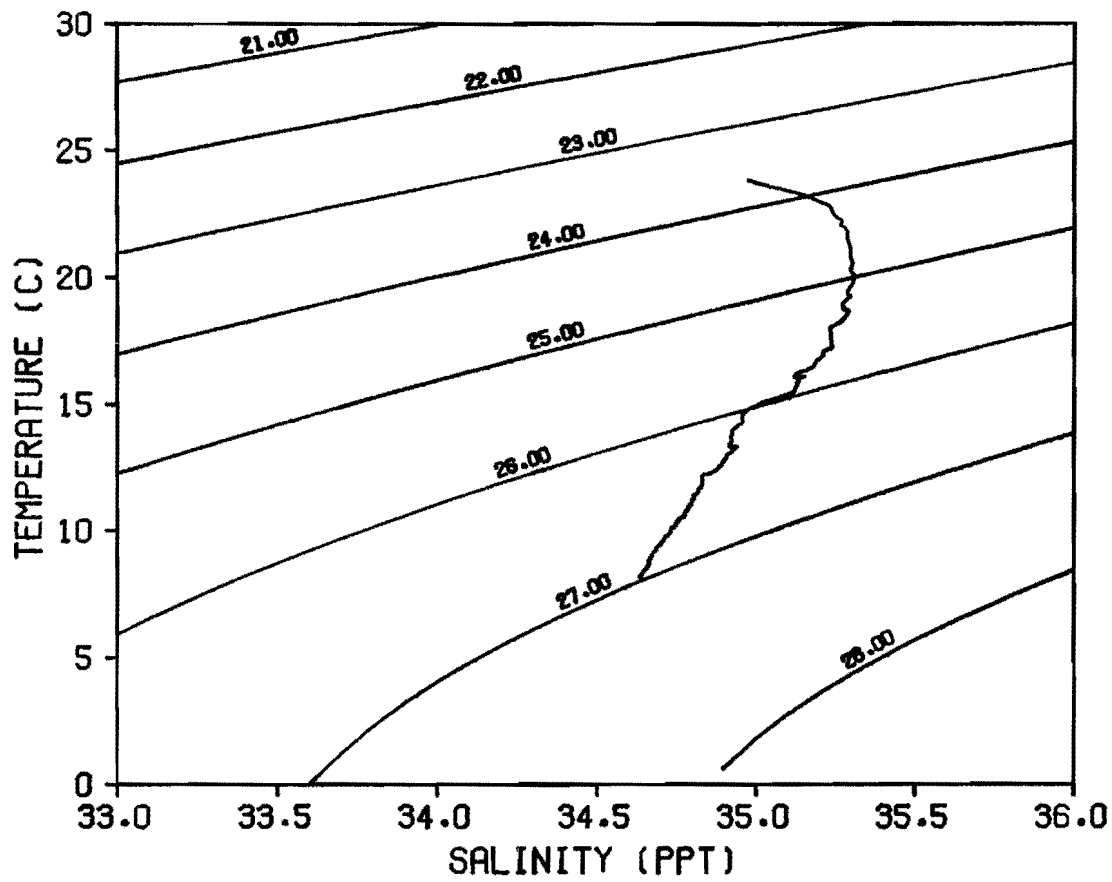


CAST 193-79-UC-021 DATE 04 JUL 79 TIME 0246 GMT
 LAT 00 UNION LUNG 409 28.04 WEATHER 1 SEA STATE 3
 BAROMETER 11 WIND UDR 13.0 T SPD 19 KT VISIBILITY 8
 CLOUD 6 AMOUNT 5 DRY 23.8 WET 2.7 DEPTH

PKES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DM-M)
0	23.048	34.968	4.54	23.600	000
10	23.069	34.982	4.42	23.603	042
30	23.450	35.107	4.38	24.150	123
40	21.612	35.230	4.26	24.540	159
50	19.942	35.258	3.87	25.008	191
60	18.670	35.289	3.34	25.342	219
70	18.102	35.313	3.14	25.620	242
80	15.171	35.137	2.89	25.920	285
90	15.019	35.047	2.65	26.407	305
100	14.207	34.929	2.65	26.113	324
110	15.557	34.925	2.50	26.140	324
120	15.342	34.920	2.40	26.279	331
130	13.381	34.946	2.30	26.295	339
140	13.297	34.942	2.35	26.305	350
150	13.219	34.934	2.31	26.315	356
160	13.131	34.926	2.26	26.327	412
170	12.940	34.910	2.21	26.342	449
180	12.743	34.906	2.10	26.345	468
190	12.402	34.905	1.72	26.357	484
200	12.007	34.902	1.68	26.373	570
220	11.494	34.818	1.39	26.561	654
300	10.752	34.781	1.19	26.668	728
400	9.977	34.746	0.95	26.801	799
450	8.133	34.686	0.70	26.912	863
504	8.047	34.634	0.70	26.992	923

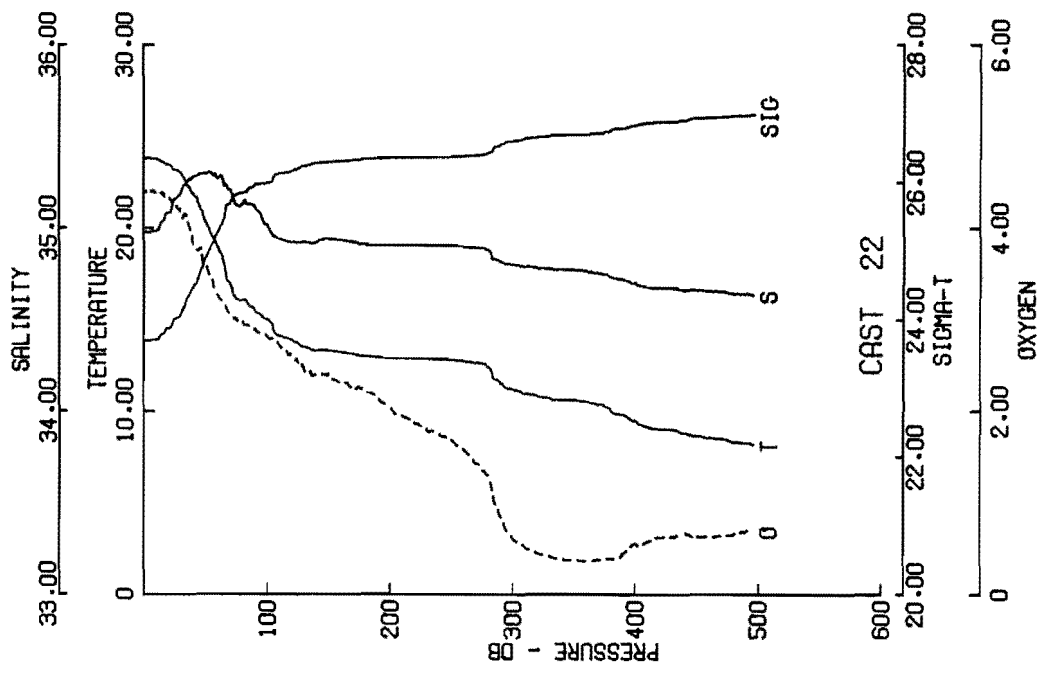


CAST EP5-79-0C-022 DATE 09 JUL 79 TIME 0406 GMT
LAT 00 02.1N LONG 109 58.5W

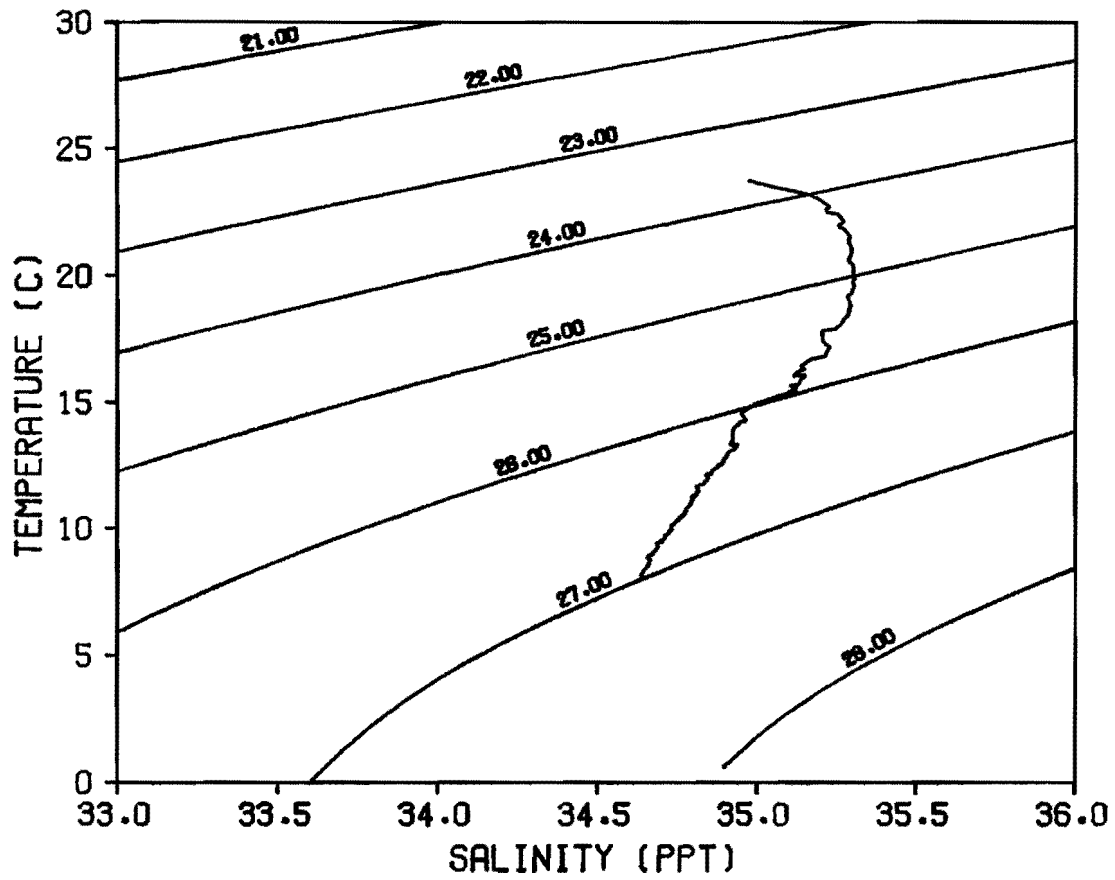


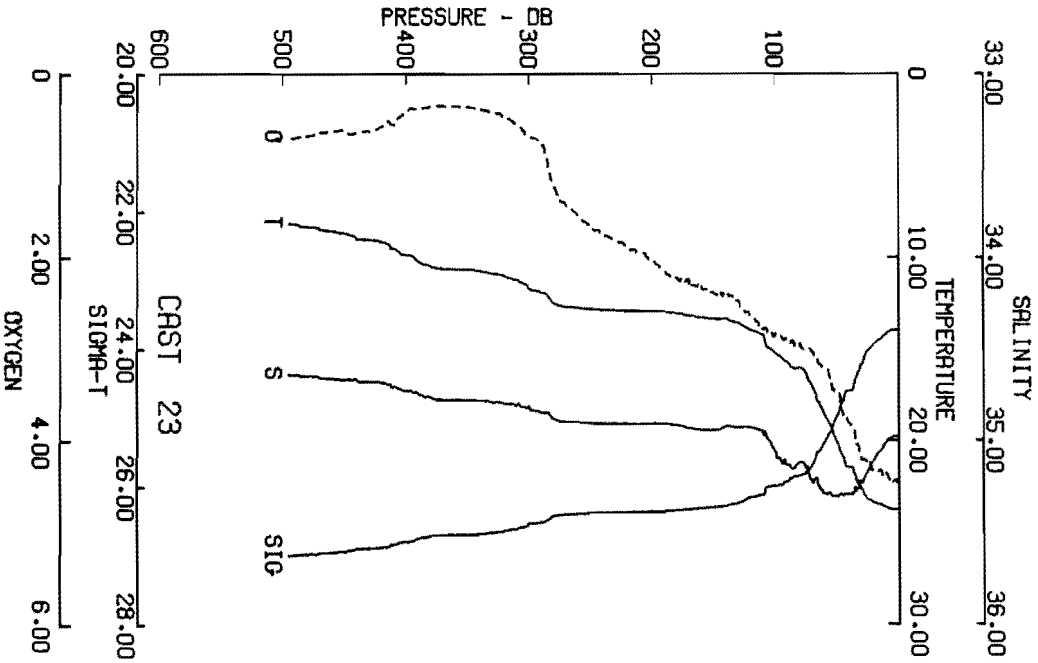
CAST EPJ-79-JC-022 DATE 09 JUL 79 TIML 0406 GMT
 LAT 00 02.1N LONG 109 58.5W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 153 T SPD 14 KT VISIBILITY 8
 CLOUD 6 AMOUNT 5 WIND DRY 23.4 MET 22.2 DEPTH 4

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	23.022	34.975	4.47	23.694	0.00
10	23.004	34.983	4.37	23.702	0.42
20	23.073	35.006	4.32	23.676	0.83
30	23.029	35.142	4.16	24.084	1.23
40	21.000	35.183	3.83	24.482	1.59
50	20.419	35.303	3.00	24.898	1.92
60	18.913	35.269	3.20	25.205	2.21
70	16.951	35.213	3.07	25.708	2.46
80	16.975	35.119	2.90	25.975	2.68
90	15.473	35.017	2.82	25.994	2.90
100	15.020	34.943	2.73	26.134	3.10
110	13.123	34.925	2.59	26.160	3.30
120	13.906	34.922	2.40	26.442	3.66
130	13.320	34.924	2.50	26.286	3.86
140	13.317	34.972	2.37	26.301	4.04
150	13.230	34.936	2.35	26.314	4.21
160	13.133	34.926	2.27	26.320	4.39
170	13.009	34.912	2.23	26.341	4.57
180	12.940	34.900	2.14	26.340	4.74
190	12.942	34.907	2.00	26.377	4.91
200	12.784	34.901	1.80	26.307	5.16
250	11.262	34.852	1.60	26.607	5.60
300	10.570	34.774	1.30	26.894	6.03
350	9.450	34.803	1.02	26.934	6.33
400	8.617	34.836	0.70	26.934	6.66
450	8.100	34.836			



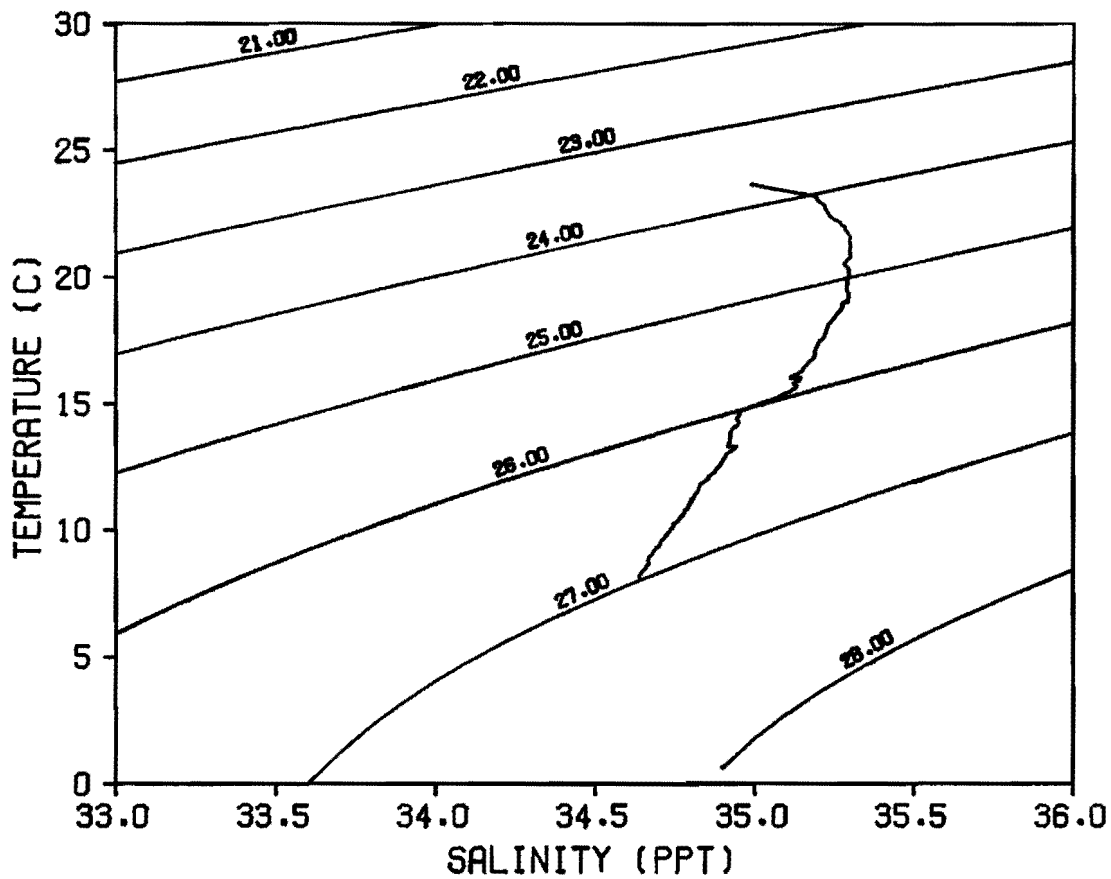
CAST EP5-79-0C-023 DATE 09 JUL 79 TIME 0522 GMT
LAT 00 02.5N LONG 109 57.0W





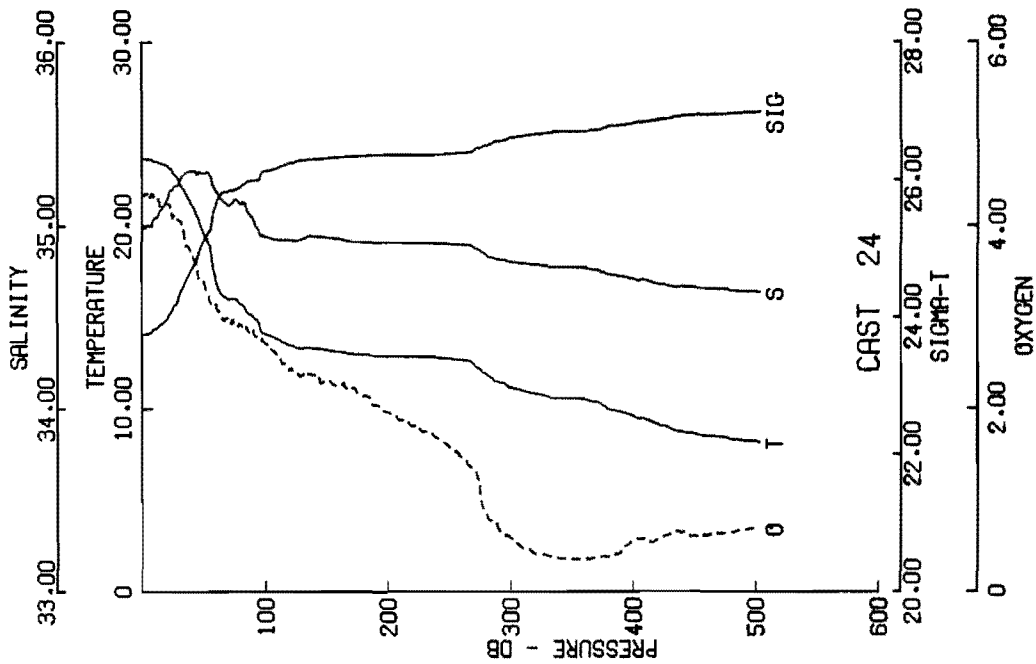
CRST	EPS	79	UV	464	DATE	09	JUL	79	TIME	0922	GMT
LAT	00	00	00	00	109	57	04	WEATHER	1	SEA	STATE
BAKUMETER	13	DIR	150	T	SPD	15	KT	VISIB	1	IBILITY	8
CLCUD	6	AMOUNT	5	DKY	23	4	WET	22	06		
PRES	(DB)	TEMP	(C)	(PPT)	(ML/L)	SIG-T	DELTA-D				
0	23.798	34.976	4.47	23.410	0.00						
10	23.631	33.013	4.31	23.779	0.02						
20	23.569	32.103	4.34	23.943	0.02						
30	21.666	32.223	4.40	24.210	0.12						
40	21.440	32.292	3.81	24.401	0.15						
50	20.109	32.303	3.94	24.491	0.18						
60	19.500	32.291	3.93	25.307	0.21						
70	17.500	32.221	3.93	25.701	0.24						
80	16.033	32.116	3.94	25.940	0.26						
90	15.177	32.054	3.94	25.950	0.26						
100	14.412	32.053	3.94	26.112	0.26						
120	13.949	34.927	3.94	26.112	0.26						
140	13.544	34.927	3.94	26.242	0.26						
160	13.322	34.942	3.94	26.300	0.26						
180	13.450	34.939	3.94	26.312	0.26						
200	13.100	34.930	3.94	26.324	0.26						
220	13.019	34.914	3.94	26.340	0.26						
240	12.920	34.907	3.94	26.351	0.26						
260	12.902	34.901	3.94	26.358	0.26						
280	11.044	34.801	3.94	26.370	0.26						
300	10.045	34.777	3.94	26.369	0.26						
400	9.602	34.722	3.94	26.709	0.26						
495	8.117	34.883	3.94	26.991	0.26						

CAST EP5-79-0C-024 DATE 09 JUL 79 TIME 0701 GMT
LAT 00 03.2N LONG 109 59.6W

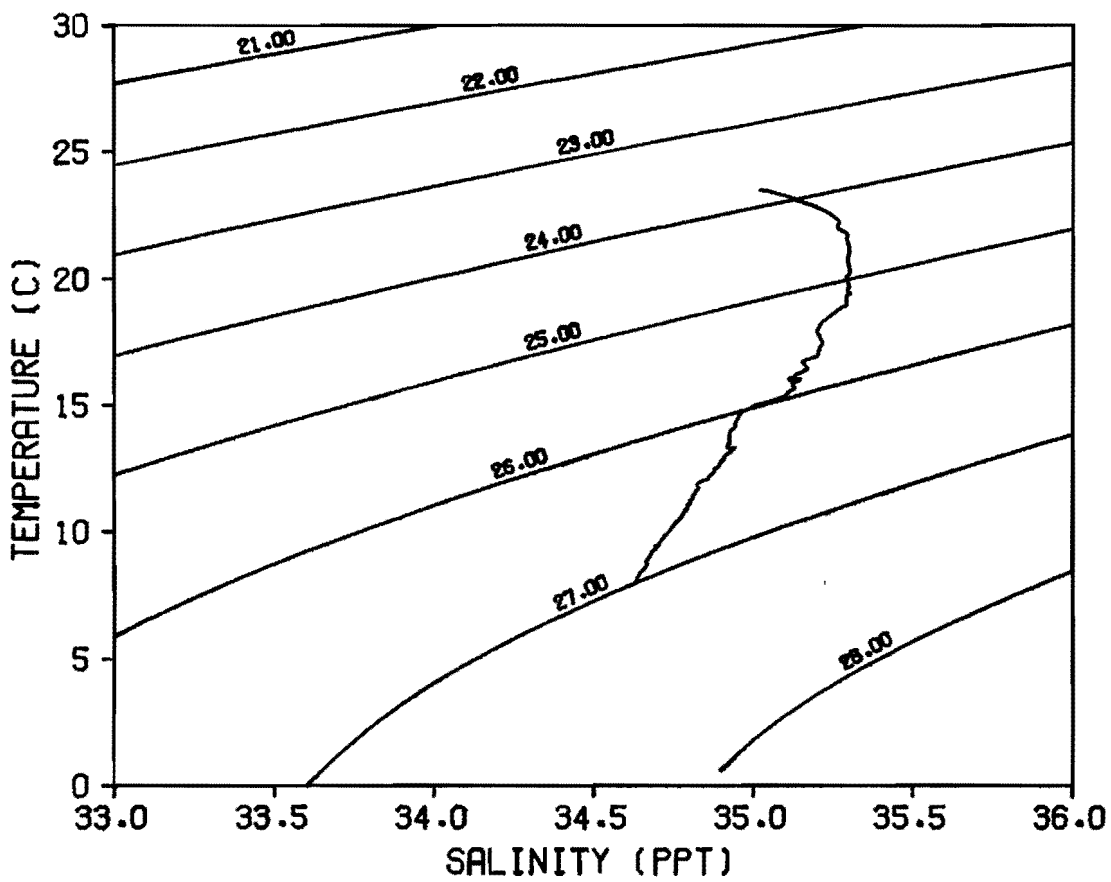


CAST EP2-79-UC-024 DATE 09 JUL 79 TIME 0701 GMT
 LAT 00 03.2N LONG 109 59.6W WEATHER 1 SEA STATE 3
 BAROMETER 14 MINS DIR 140 T SPD 12 KT VISIBILITY 7
 CLOUD X AMOUNT 1 OKY 23.8 MET 22.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OKY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	23.002	34.989	4.37	23.721	.000
10	23.520	35.041	4.24	23.683	.011
20	23.217	35.137	4.00	23.904	.062
30	22.427	35.235	3.72	24.237	.125
40	21.190	35.303	3.34	25.100	.186
50	19.013	35.289	3.14	25.652	.212
60	17.098	35.110	2.94	25.854	.235
70	16.023	35.120	2.93	25.958	.259
80	15.774	35.103	2.91	25.974	.277
90	15.157	34.941	2.71	26.136	.297
100	14.057	34.928	2.54	26.185	.316
110	13.828	34.924	2.42	26.221	.332
120	13.491	34.928	2.30	26.250	.347
130	13.310	34.942	2.37	26.300	.370
140	13.297	34.935	2.30	26.316	.385
150	13.120	34.927	2.22	26.349	.405
160	12.910	34.914	2.22	26.341	.422
170	12.962	34.910	2.13	26.346	.440
180	12.912	34.907	2.04	26.336	.457
190	12.860	34.909	1.96	26.363	.474
200	12.753	34.900	1.89	26.383	.500
210	11.143	34.801	1.59	26.912	.642
220	10.249	34.773	1.33	26.928	.715
230	9.595	34.711	1.06	26.813	.784
240	8.618	34.664	0.81	26.933	.847
250	8.225	34.642	0.70	26.949	.877
260	8.144	34.638	0.70	26.967	.907

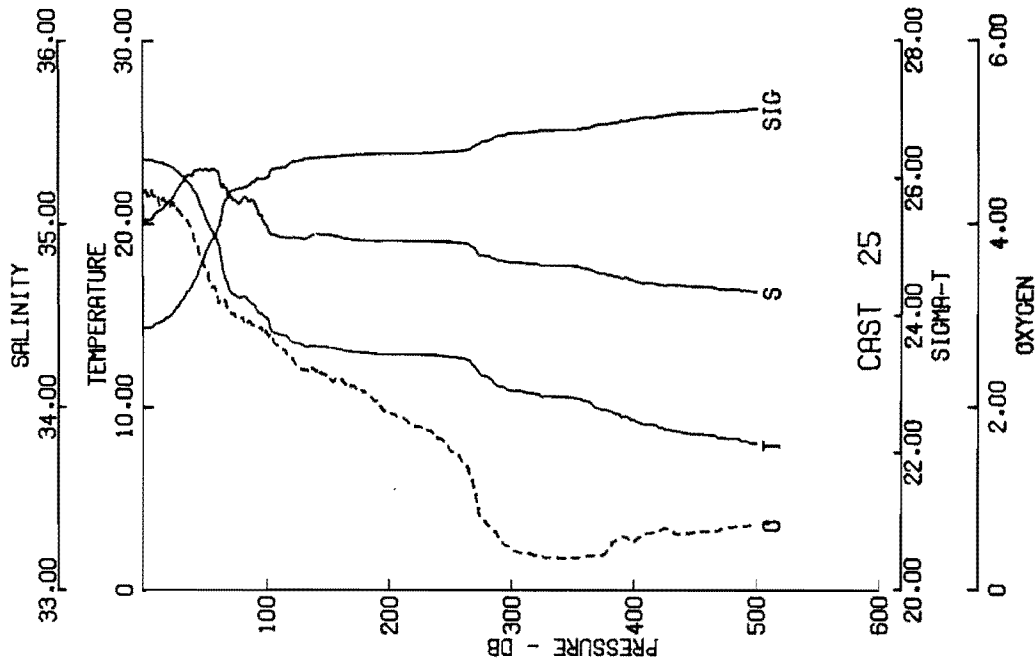


CAST EP5-79-0C-025 DATE 09 JUL 79 TIME 0807 GMT
LAT 00 03.1N LONG 109 58.1W

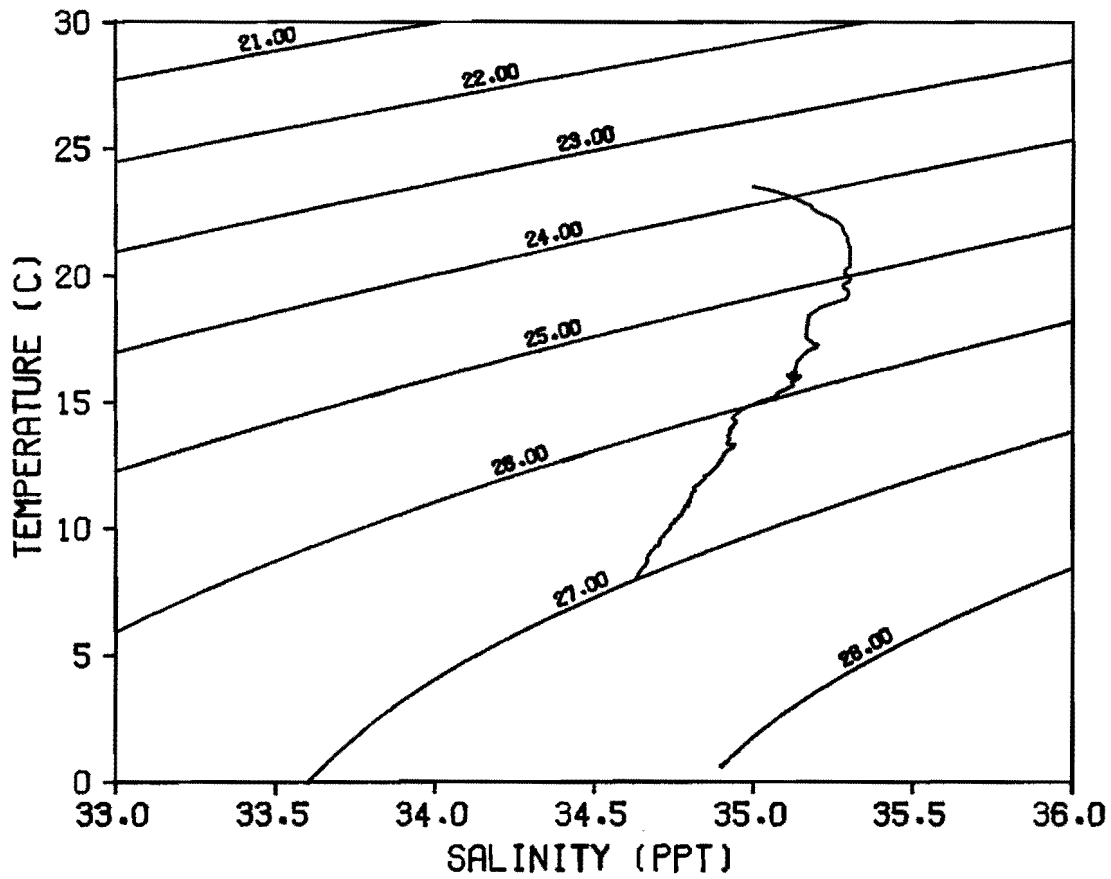


CAST EP-79-00-025 DATE 09 JUL 79 TIME 0507 GMT
 LAT 03.14 LUNG 109.50.14 WEATHER 2 SEA STATE 3
 BAROMETER JIB 130.17 SPD 12.1 KT VISIBILITY 7
 CLOUD 3 AMOUNT 7 DRY 23.7 WET 22.0 DEPTH

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-S
2	23.503	32.019	4.34	23.020	.000
2	23.502	32.021	4.36	23.022	.041
10	23.743	32.025	4.31	23.873	.081
20	23.233	32.109	4.24	23.927	.120
30	21.760	32.207	4.13	24.177	.158
40	21.573	32.263	3.92	24.443	.189
50	20.550	32.297	3.54	24.646	.219
60	19.250	32.291	3.24	25.201	.244
70	16.534	32.171	3.05	25.795	.287
80	16.014	32.125	2.98	25.827	.288
90	15.399	32.121	2.89	25.922	.306
100	14.898	34.095	2.81	26.007	.327
110	14.024	34.934	2.87	26.150	.346
120	13.597	34.923	2.54	26.219	.364
130	13.395	34.920	2.41	26.269	.382
140	13.330	34.943	2.39	26.300	.399
150	13.263	34.941	2.35	26.311	.417
160	13.146	34.929	2.28	26.340	.432
170	13.022	34.910	2.17	26.346	.455
180	12.872	34.907	2.07	26.377	.486
190	12.871	34.908	1.92	26.382	.573
200	12.850	34.900	1.82	26.382	.621
250	10.878	34.789	.44	26.621	.721
300	9.202	34.680	.23	26.705	.793
400	7.203	34.629	.02	26.822	.854
500	7.592	34.629	.02	26.949	.915
500	7.594	34.631	.02	27.007	.915

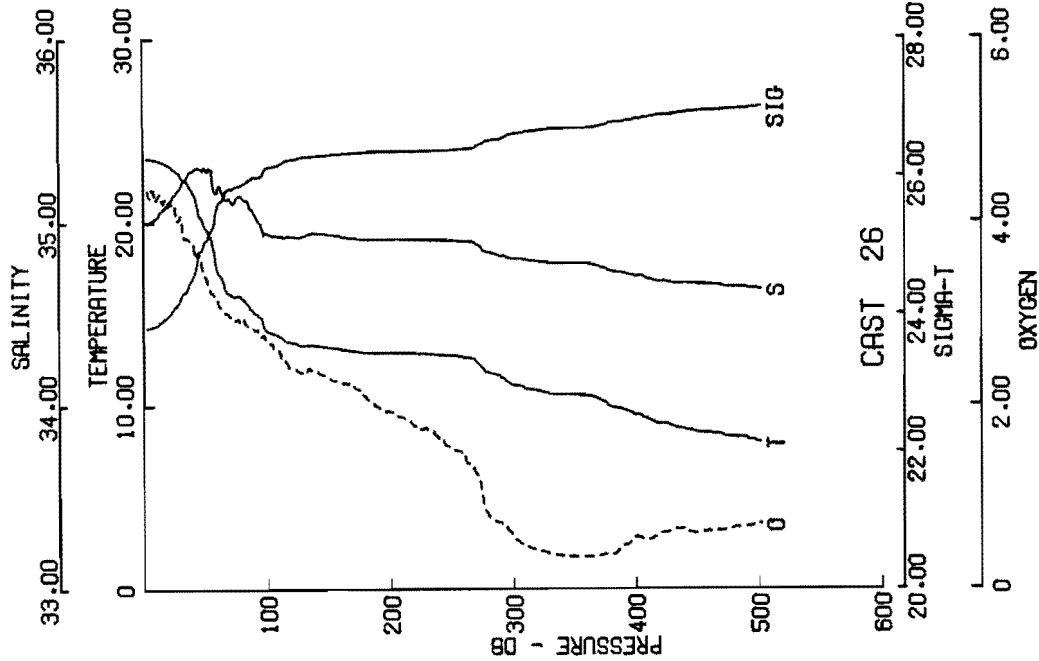


CAST EP5-79-0C-026 DATE 09 JUL 79 TIME 0915 GMT
LAT 00 03.6N LONG 109 56.9W

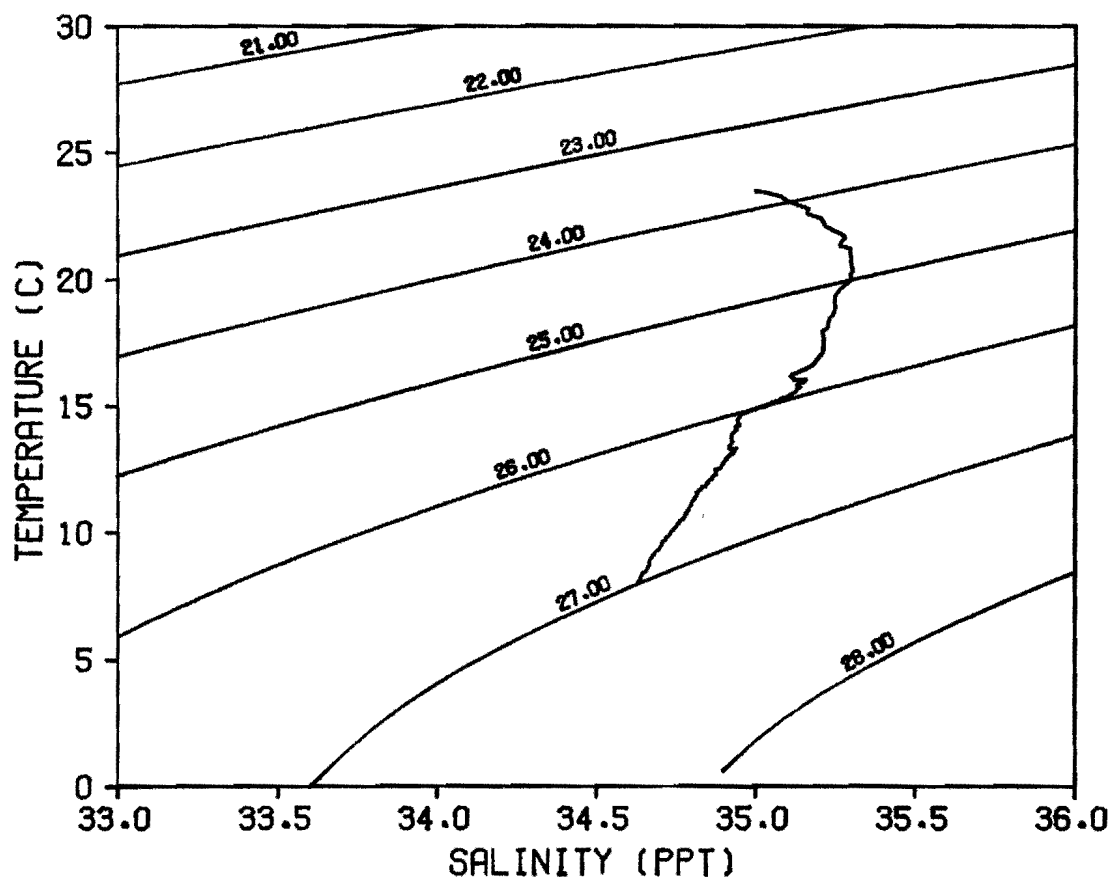


LAST EPD-79-00-026 DATE 09 JUL 79 TIME 0915 GMT
 LAT 03 03 ON LUND 109 56.94 WEATHER 2 SEA STATE 3
 BAROMETER 13 HIND DIR 120 T SPD 10 KT VISIBILITY 7
 CLOUD 6 AMOUNT 8 DRY 25.8 WET 22.0 DEPTH M

PKES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
3	23.229	34.987	4.29	23.768	.000
5	23.200	34.999	4.24	23.808	.041
10	23.431	35.028	4.18	23.983	.120
20	22.157	35.197	4.08	24.258	.155
30	21.639	35.286	3.78	24.270	.187
40	17.780	35.300	3.42	25.070	.214
50	17.339	35.186	3.14	25.594	.237
70	16.139	35.125	2.98	25.829	.259
80	15.885	35.136	2.91	25.855	.279
90	15.105	35.042	2.83	25.998	.299
100	14.044	34.942	2.88	26.135	.318
110	13.837	34.927	2.80	26.182	.337
120	13.484	34.925	2.43	26.274	.357
130	13.315	34.926	2.44	26.389	.372
140	13.301	34.943	2.36	26.505	.390
150	13.204	34.935	2.31	26.519	.407
160	13.098	34.923	2.25	26.343	.425
170	12.938	34.914	2.21	26.322	.442
180	12.886	34.908	1.98	26.320	.459
190	12.891	34.910	1.93	26.322	.477
200	12.733	34.799	1.54	26.303	.563
300	11.402	34.775	1.50	26.019	.644
350	9.469	34.705	.37	26.096	.717
400	8.738	34.681	.31	26.090	.756
450	8.028	34.634	.21	27.003	.649
500	8.013	34.634	.11	27.004	.908

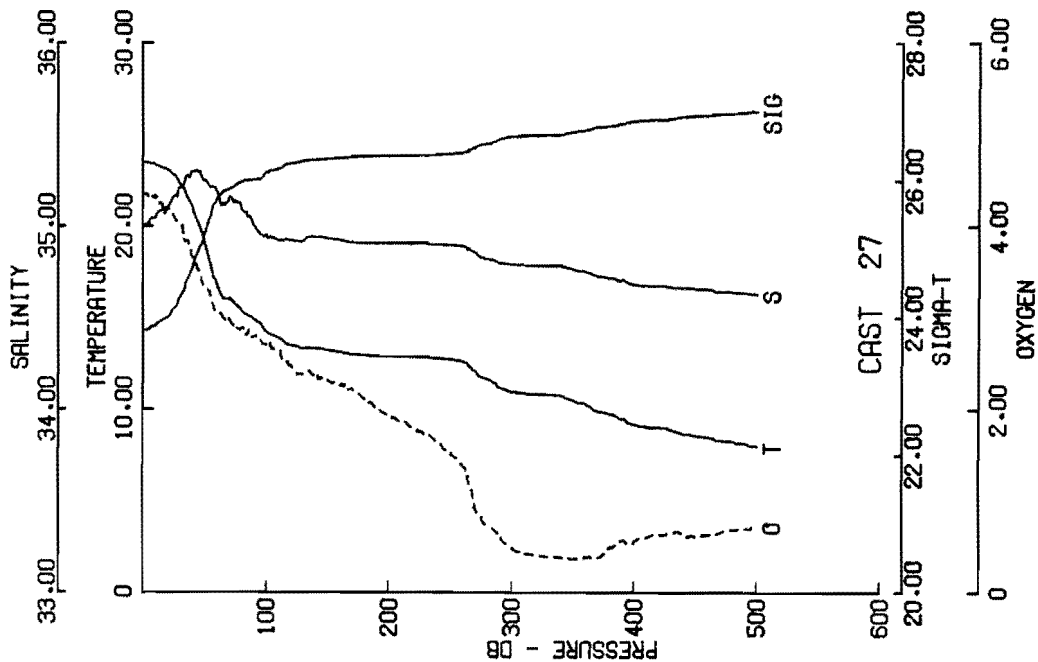


CAST EP5-79-0C-027 DATE 09 JUL 79 TIME 1042 GMT
LAT 00 02.4N LONG 109 58.9W

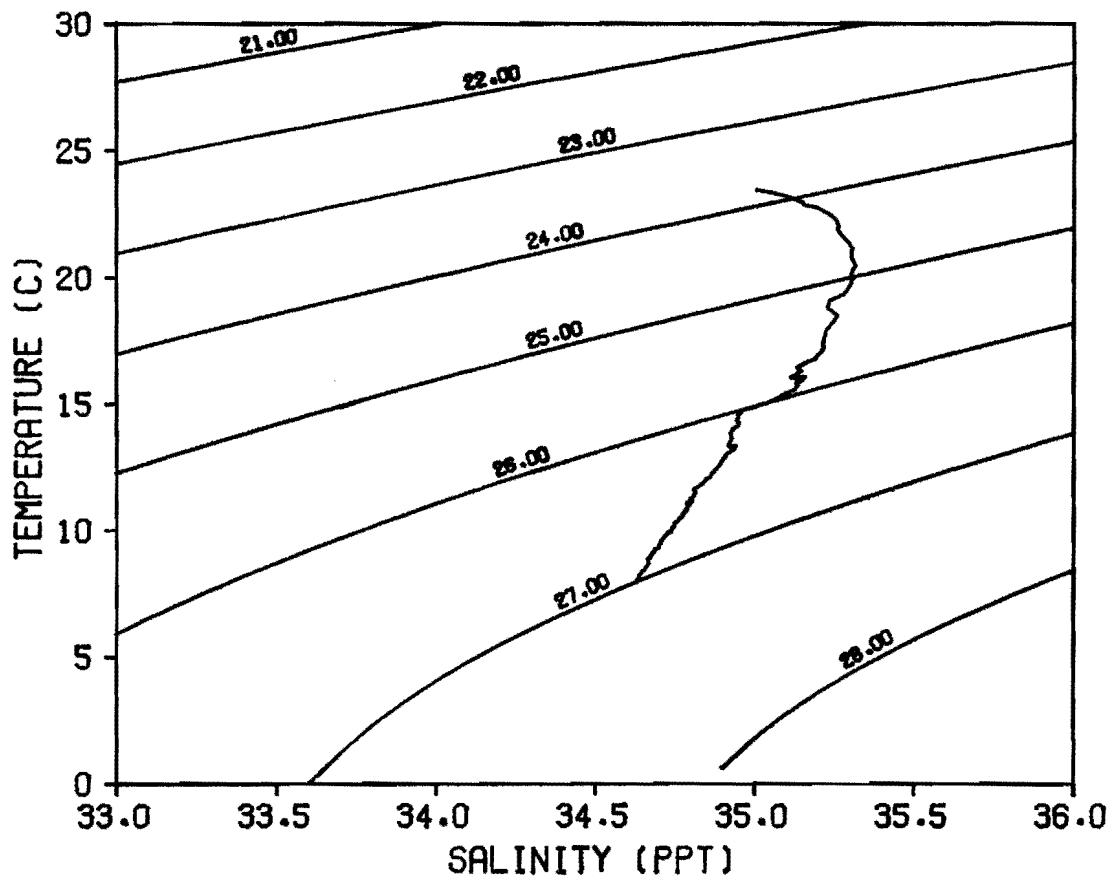


CAST 185-79-00-027 DATE 09 JUL 79 TIME 1042 GMT
 LAT 02.4N LONG 09 58.9W WEATHER 2 SEA STATE 3
 BAROMETER 13 WIND DIR 120 T SPD 06 KT VISIBILITY 7
 CLOUD 0 AMOUNT 8 DRY 23.7 WET 22.0 DEPTH M

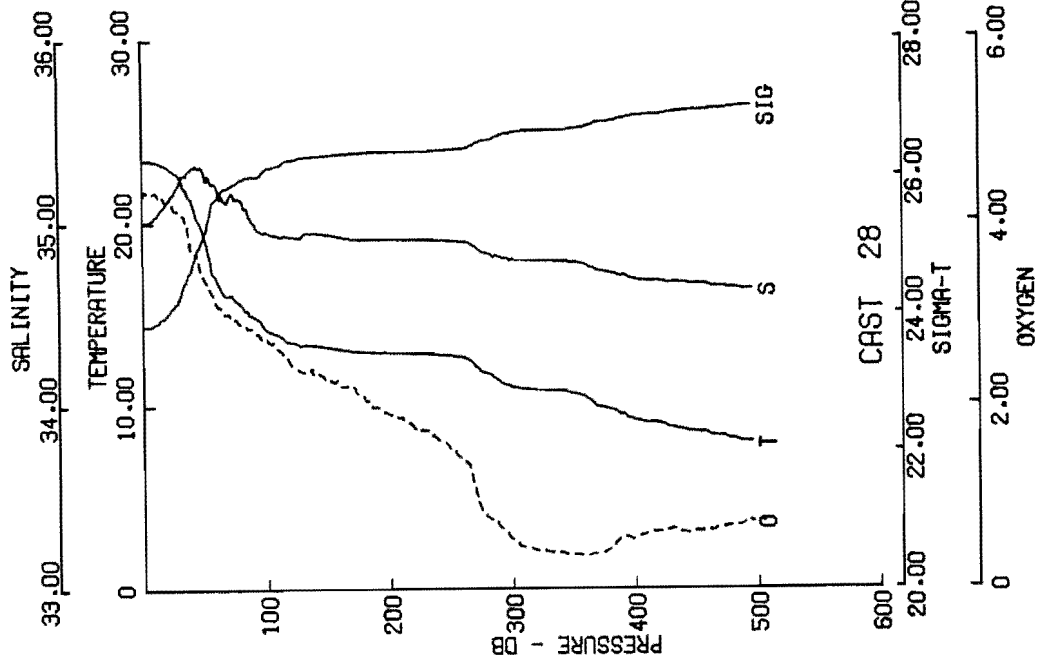
PKES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D
0	23.689	35.002	4.37	23.611	.000
10	23.355	35.047	4.34	23.676	.041
20	23.048	35.102	4.19	24.001	.061
30	22.363	35.207	4.03	24.259	.119
40	21.102	35.297	3.82	24.709	.153
50	19.180	35.249	3.43	25.102	.183
60	18.084	35.175	3.06	25.715	.203
70	16.995	35.156	2.98	25.809	.231
80	15.373	35.100	2.88	25.983	.252
90	14.500	35.002	2.79	26.010	.272
100	14.217	34.952	2.70	26.122	.292
110	13.878	34.927	2.65	26.173	.311
120	13.683	34.924	2.66	26.255	.330
130	13.505	34.920	2.58	26.200	.348
140	13.308	34.943	2.34	26.304	.368
150	13.203	34.934	2.31	26.318	.383
160	13.118	34.925	2.26	26.329	.401
170	12.995	34.912	2.23	26.343	.415
180	12.942	34.909	2.21	26.350	.435
190	12.802	34.907	2.00	26.356	.453
200	12.884	34.904	1.91	26.363	.470
250	12.615	34.898	1.51	26.368	.550
300	10.543	34.792	.30	26.642	.636
350	10.482	34.767	.48	26.702	.709
400	9.445	34.682	.51	26.802	.777
450	8.241	34.660	.73	26.944	.839
500	7.371	34.630	.73	27.008	.899



CAST EP5-79-0C-028 DATE 09 JUL 79 TIME 1147 GMT
LAT 00 02.2N LONG 109 58.3W

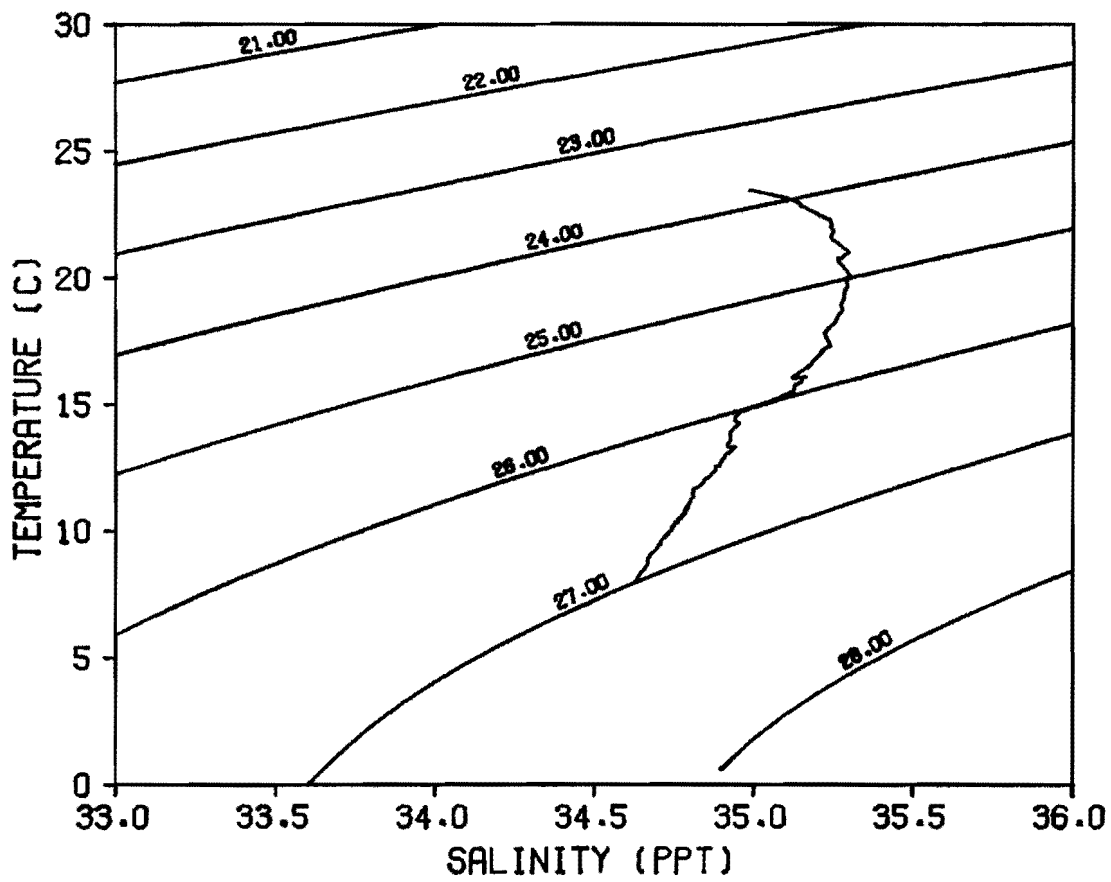


CAST 492-79-JC-C28 DATE C9 JUL 79 TIME 1147 GMT
 LAT 60.0000N LONG 109.5833W WEAHTER 2 SCA STATE 3
 BAROMETER 13 WIND DIR 110 KT SFC WIND DIR 110 KT WIND SPEED 10.0 KTS
 CLOUD X AMOUNT 8 DRY 23.2 WET 22.0 DEPTH

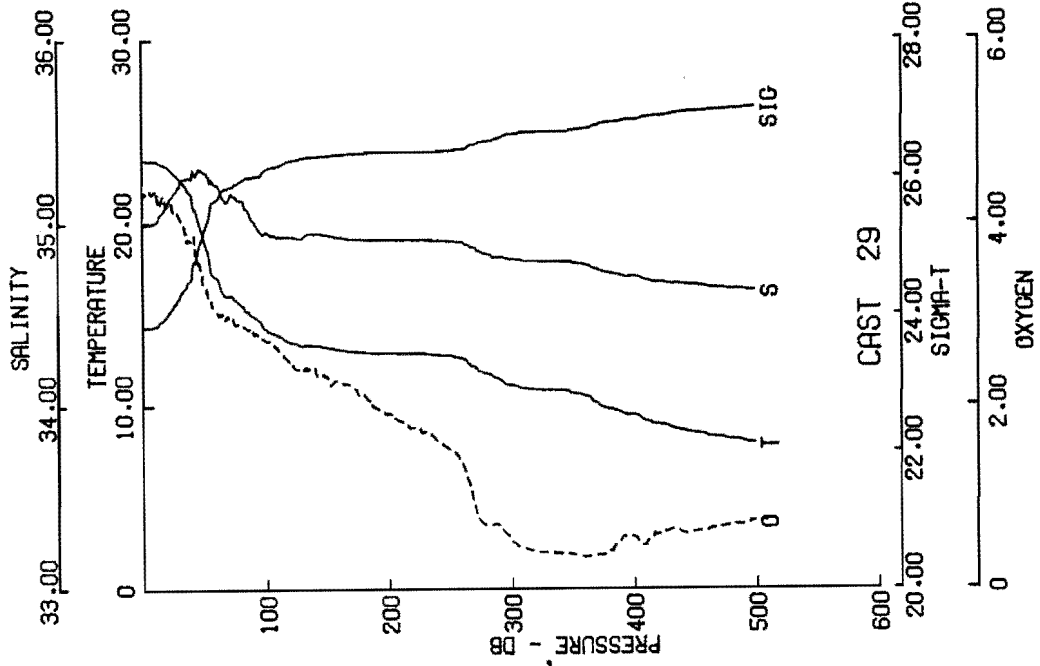


PKBS (DB)	TEMP (C)	SAL (PPT)	DAY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	23.538	35.007	4.34	27.870	.000
10	23.373	35.038	4.24	27.872	.041
20	23.115	35.120	4.10	27.809	.081
30	22.561	35.223	3.99	27.710	.114
40	21.160	35.300	3.90	27.587	.164
50	19.542	35.202	3.80	27.690	.209
60	18.746	35.141	3.69	27.900	.231
70	18.051	35.128	3.54	28.000	.253
80	17.532	34.998	3.41	28.000	.273
90	14.872	34.982	3.27	28.154	.293
100	14.154	34.927	3.10	28.174	.312
110	13.871	34.825	2.92	28.252	.330
120	13.777	34.825	2.80	28.300	.348
130	13.520	34.934	2.63	28.319	.360
140	13.302	34.945	2.50	28.346	.383
150	13.200	34.930	2.41	28.353	.401
160	13.081	34.923	2.27	28.359	.418
170	12.975	34.911	2.09	28.360	.436
180	12.833	34.809	1.90	28.363	.453
190	12.690	34.809	1.70	28.364	.470
200	12.568	34.809	1.53	28.365	.487
250	12.750	34.793	1.37	28.365	.504
300	10.814	34.776	1.24	28.365	.521
350	8.130	34.684	1.14	28.365	.538
400	6.491	34.619	1.07	28.365	.555
450	7.546	34.630	1.03	28.365	.572

CAST EP5-79-0C-029 DATE 09 JUL 79 TIME 1248 GMT
LAT 00 02.2N LONG 109 58.1W

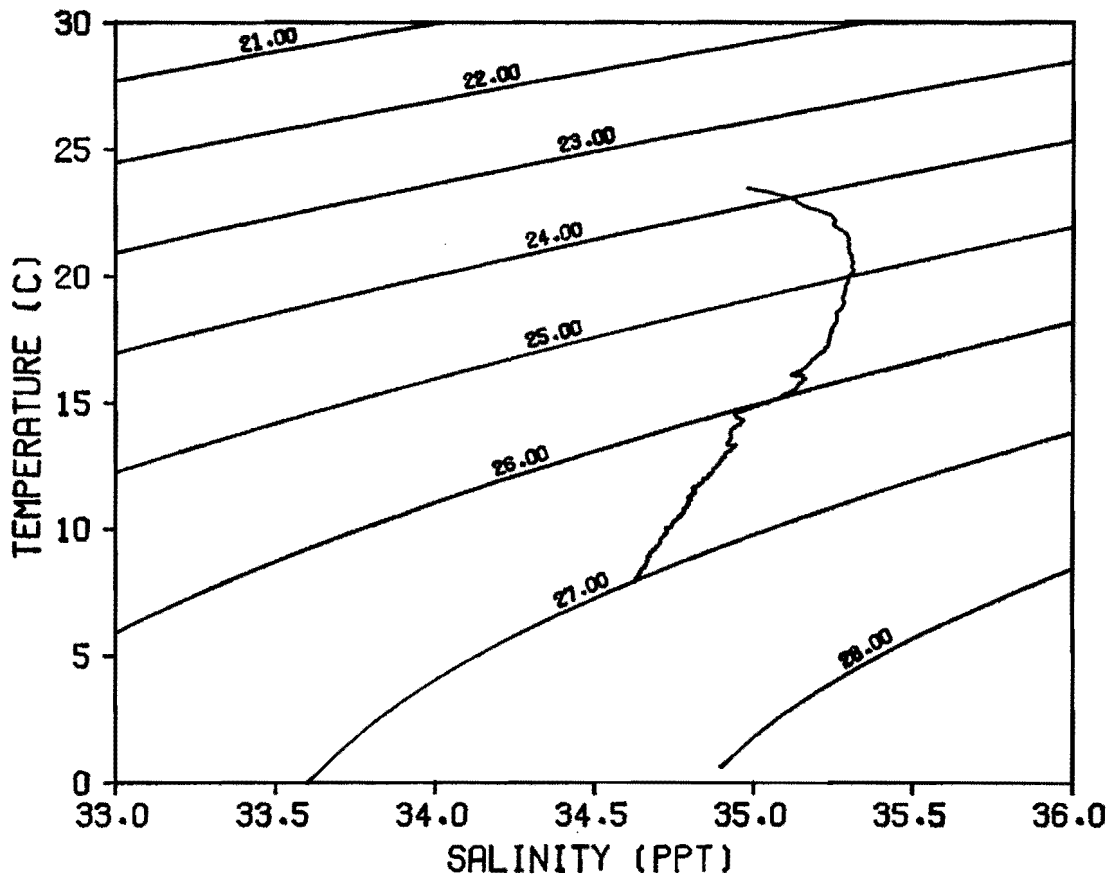


CAST 09 02-79-JC-029 DATE 09 JUL 79 TIME 1248 GMT
 LAT 00 02.2N LONG 109 58.1W WEATHER 2 SEA STATE 3
 BAROMETER 15 WIND DIR 140 T SPD 10 KT VAGILITY 8
 CLOUD X AMOUNT 8 DRY 23.2 WET 22.0 DEPTH M



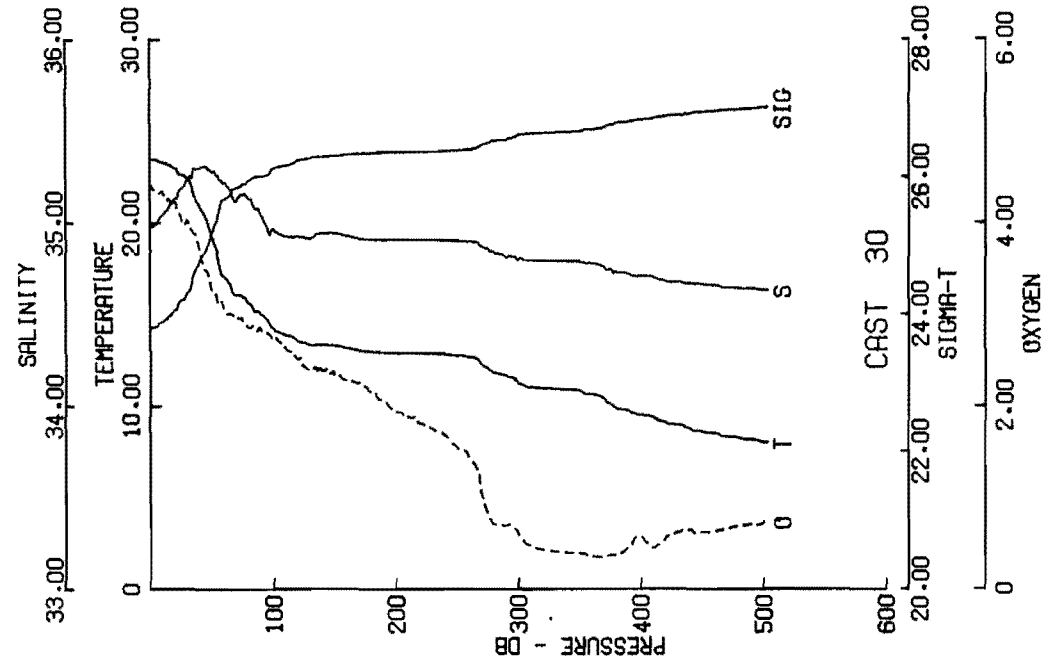
PKES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-CM)
0	23.524	34.989	4.35	23.812	.000
10	23.518	35.005	4.35	23.834	.041
20	23.515	35.010	4.35	23.903	.061
30	22.500	35.202	4.09	24.251	.119
40	21.546	35.244	3.81	24.547	.155
50	19.450	35.213	3.32	25.212	.210
60	17.073	35.177	3.04	25.677	.232
70	15.034	35.131	2.87	25.959	.257
80	13.289	35.120	2.70	26.017	.273
90	14.313	35.012	2.71	26.127	.295
100	14.203	34.958	2.62	26.175	.314
110	13.875	34.928	2.46	26.223	.332
120	13.472	34.922	2.37	26.268	.350
130	13.300	34.944	2.41	26.304	.368
140	13.309	34.937	2.52	26.319	.385
150	13.271	34.922	2.28	26.336	.403
160	13.071	34.913	2.22	26.342	.427
170	12.587	34.909	2.12	26.352	.437
180	12.540	34.909	1.97	26.361	.452
190	12.852	34.909	1.91	26.364	.472
200	12.733	34.899	1.51	26.380	.529
250	11.111	34.800	.57	26.610	.639
300	10.675	34.768	.56	26.681	.712
350	9.584	34.659	.01	26.920	.761
400	8.499	34.631	.74	27.009	.843
450	7.762				
500					

CAST EP5-79-0C-030 DATE 09 JUL 79 TIME 1400 GMT
LAT 00 01.8N LONG 109 59.3W

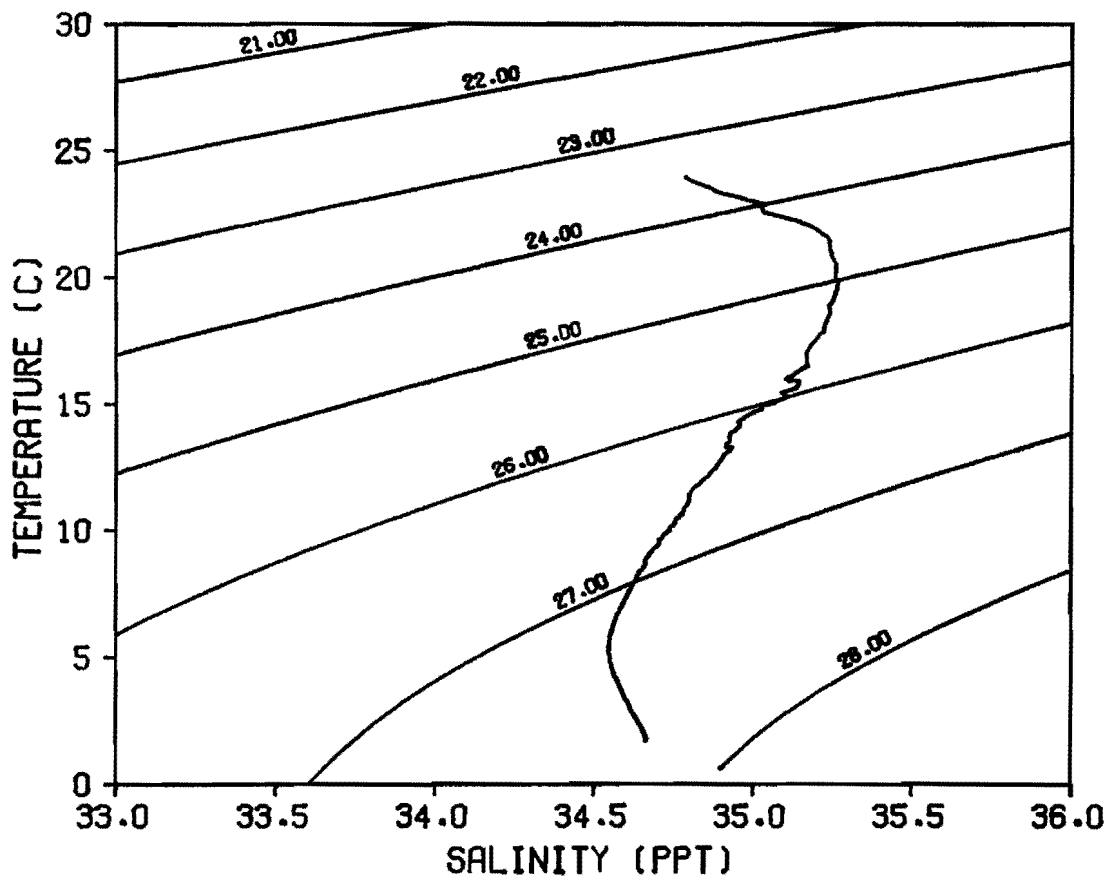


CAST EP2-79-00-030 DATE 09 JUL 79 TIME 1400 GMT
 LAT 00 01.0N LONG 109 59.3W WEATHER 2 SEA STATE 3
 BAROMETER 14 WIND DIR 120 T SPD 00 KT VISIBILITY 8
 CLOUD 0 AMOUNT 0 DRY 23.2 WET 22.0 MET 22.0 DEPTH M

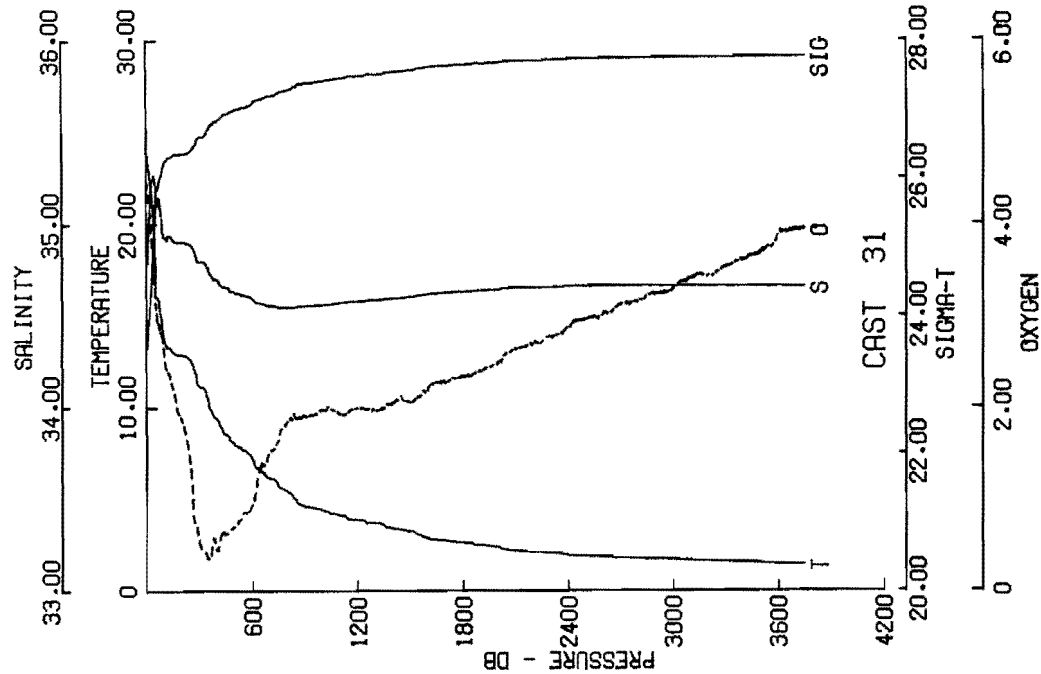
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-0 (DYN-M)
0	23.454	34.902	4.39	23.800	.000
10	23.314	35.042	4.34	23.891	.041
20	22.950	35.132	4.23	24.000	.080
30	22.407	35.244	4.03	24.130	.118
40	21.920	35.297	3.70	24.279	.152
50	17.300	35.223	3.28	25.679	.188
60	17.000	35.113	3.07	25.944	.231
70	16.000	35.103	2.99	25.952	.232
80	15.000	35.043	2.86	26.028	.233
90	14.235	34.929	2.71	26.128	.293
100	13.877	34.829	2.62	26.173	.312
110	13.550	34.910	2.51	26.243	.330
120	13.331	34.944	2.40	26.297	.348
130	13.340	34.942	2.30	26.305	.384
140	13.284	34.920	2.27	26.320	.401
150	13.149	34.974	2.25	26.340	.419
160	13.024	34.909	2.10	26.344	.436
170	12.954	34.907	2.04	26.356	.454
180	12.813	34.909	1.94	26.366	.471
190	12.800	34.899	1.89	26.365	.539
200	12.737	34.775	1.79	26.554	.611
210	11.661	34.785	.57	26.627	.713
220	7.494	34.700	.02	26.827	.782
230	6.225	34.660	.02	26.942	.845
240	7.981	34.631	.74	27.000	.904
250	7.968	34.631	.74		



CAST EP5-79-00-031 DATE 10 JUL 79 TIME 0524 GMT
LAT 00 02.5N LONG 109 59.4W

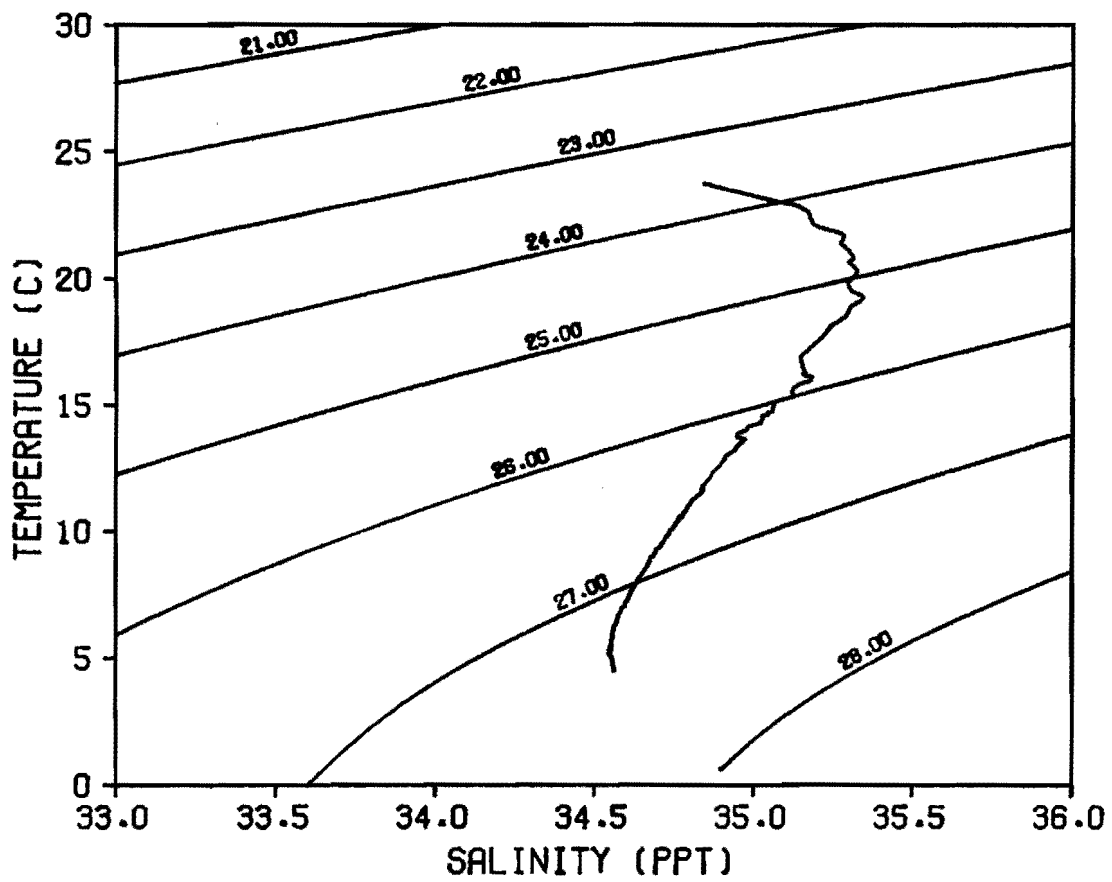


CAST 02-79-UC-001 DATE 10 JUL 49 TIME 0524 GMT
 LAT 00 02.2N LONG 109 29.4W HEATHER 1 SEA STATE 5
 BAROMETER 14 WIND DIR 150 F VISIBILITY 6
 CLOUDS 3 AMOUNT 4 DRY 24.0 MET 23.0 DEPTH 3620 M



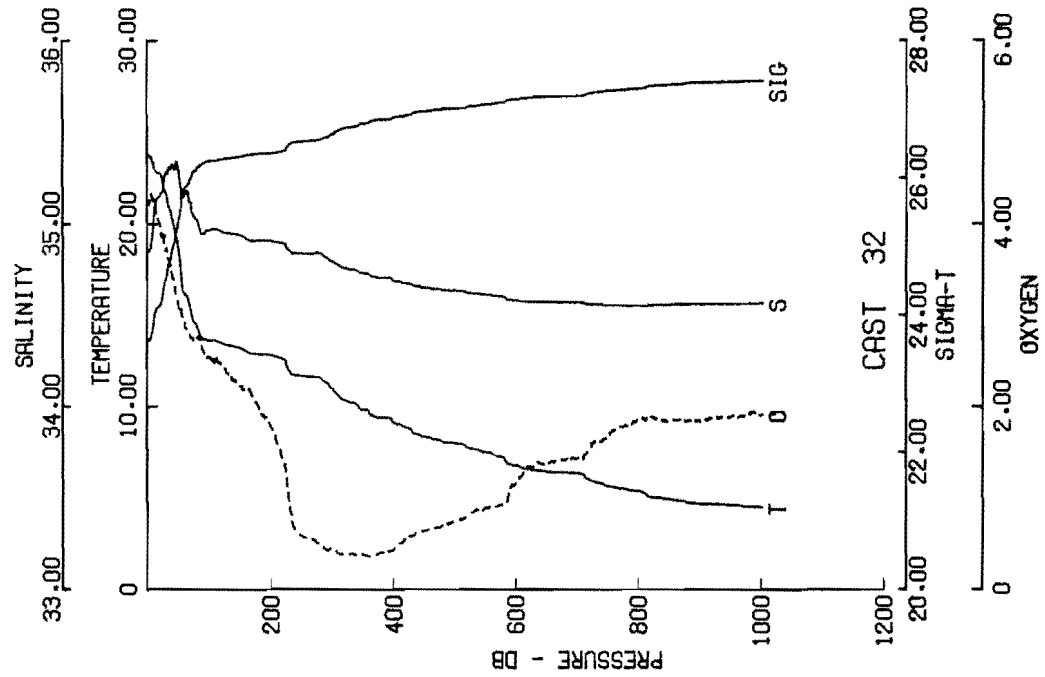
PKS	TEMP	SAL	DAY	SIG-T	DELTA-D
(DB)	(C)	(PPT)	(ML/L)		(DYN-M)
0	29.991	34.760	4.49	23.496	.000
1	29.937	34.768	4.34	23.470	.043
10	29.331	34.898	4.13	24.010	.119
20	28.459	35.071	3.86	24.572	.152
30	27.587	35.233	3.20	25.000	.180
40	27.039	35.223	2.48	25.842	.224
50	26.839	35.111	2.91	25.912	.245
60	26.847	35.147	2.83	26.024	.265
70	26.851	35.079	2.76	26.114	.284
80	26.851	34.951	2.59	26.198	.302
90	26.851	34.924	2.42	26.222	.320
100	26.851	34.928	2.36	26.242	.337
110	26.851	34.932	2.27	26.303	.355
120	26.851	34.915	2.21	26.330	.372
130	26.851	34.909	2.16	26.344	.389
140	26.851	34.904	2.04	26.353	.407
150	26.851	34.904	1.95	26.350	.424
160	26.851	34.905	1.86	26.359	.442
170	26.851	34.900	1.80	26.360	.459
180	26.851	34.891	1.71	26.402	.475
190	26.851	34.879	1.62	26.407	.492
200	26.851	34.870	1.56	26.403	.509
250	26.851	34.860	1.44	26.843	.666
300	26.851	34.869	1.32	26.940	.829
350	26.851	34.869	1.21	27.002	.945
400	26.851	34.861	1.10	27.038	1.000
450	26.851	34.855	1.00	27.041	1.051
500	26.851	34.858	0.90	27.161	1.101
550	26.851	34.858	0.80	27.200	1.149
600	26.851	34.858	0.70	27.250	1.194
650	26.851	34.858	0.60	27.285	1.237
700	26.851	34.858	0.50	27.346	1.277
750	26.851	34.858	0.40	27.380	1.317
800	26.851	34.858	0.30	27.399	1.356
850	26.851	34.858	0.20	27.417	1.390
900	26.851	34.858	0.10	27.508	1.420
950	26.851	34.858	0.00	27.598	1.445
1000	26.851	34.858	0.00	27.675	1.465
1050	26.851	34.858	0.00	27.741	1.480
1100	26.851	34.858	0.00	27.746	1.485
1150	26.851	34.858	0.00	27.746	1.485
1200	26.851	34.858	0.00	27.746	1.485
1250	26.851	34.858	0.00	27.746	1.485
1300	26.851	34.858	0.00	27.746	1.485
1350	26.851	34.858	0.00	27.746	1.485
1400	26.851	34.858	0.00	27.746	1.485
1450	26.851	34.858	0.00	27.746	1.485
1500	26.851	34.858	0.00	27.746	1.485
1550	26.851	34.858	0.00	27.746	1.485
1600	26.851	34.858	0.00	27.746	1.485
1650	26.851	34.858	0.00	27.746	1.485
1700	26.851	34.858	0.00	27.746	1.485
1750	26.851	34.858	0.00	27.746	1.485
1800	26.851	34.858	0.00	27.746	1.485
1850	26.851	34.858	0.00	27.746	1.485
1900	26.851	34.858	0.00	27.746	1.485
1950	26.851	34.858	0.00	27.746	1.485
2000	26.851	34.858	0.00	27.746	1.485
2050	26.851	34.858	0.00	27.746	1.485
2100	26.851	34.858	0.00	27.746	1.485
2150	26.851	34.858	0.00	27.746	1.485
2200	26.851	34.858	0.00	27.746	1.485
2250	26.851	34.858	0.00	27.746	1.485
2300	26.851	34.858	0.00	27.746	1.485
2350	26.851	34.858	0.00	27.746	1.485
2400	26.851	34.858	0.00	27.746	1.485
2450	26.851	34.858	0.00	27.746	1.485
2500	26.851	34.858	0.00	27.746	1.485
2550	26.851	34.858	0.00	27.746	1.485
2600	26.851	34.858	0.00	27.746	1.485
2650	26.851	34.858	0.00	27.746	1.485
2700	26.851	34.858	0.00	27.746	1.485
2750	26.851	34.858	0.00	27.746	1.485
2800	26.851	34.858	0.00	27.746	1.485
2850	26.851	34.858	0.00	27.746	1.485
2900	26.851	34.858	0.00	27.746	1.485
2950	26.851	34.858	0.00	27.746	1.485
3000	26.851	34.858	0.00	27.746	1.485
3050	26.851	34.858	0.00	27.746	1.485
3100	26.851	34.858	0.00	27.746	1.485
3150	26.851	34.858	0.00	27.746	1.485
3200	26.851	34.858	0.00	27.746	1.485
3250	26.851	34.858	0.00	27.746	1.485
3300	26.851	34.858	0.00	27.746	1.485
3350	26.851	34.858	0.00	27.746	1.485
3400	26.851	34.858	0.00	27.746	1.485
3450	26.851	34.858	0.00	27.746	1.485
3500	26.851	34.858	0.00	27.746	1.485
3550	26.851	34.858	0.00	27.746	1.485
3600	26.851	34.858	0.00	27.746	1.485
3650	26.851	34.858	0.00	27.746	1.485
3700	26.851	34.858	0.00	27.746	1.485
3750	26.851	34.858	0.00	27.746	1.485
3800	26.851	34.858	0.00	27.746	1.485
3850	26.851	34.858	0.00	27.746	1.485
3900	26.851	34.858	0.00	27.746	1.485
3950	26.851	34.858	0.00	27.746	1.485
4000	26.851	34.858	0.00	27.746	1.485
4050	26.851	34.858	0.00	27.746	1.485
4100	26.851	34.858	0.00	27.746	1.485
4150	26.851	34.858	0.00	27.746	1.485
4200	26.851	34.858	0.00	27.746	1.485

CAST EP5-79-0C-032 DATE 10 JUL 79 TIME 0943 GMT
LAT 0 12.2S LONG 110 02.4W

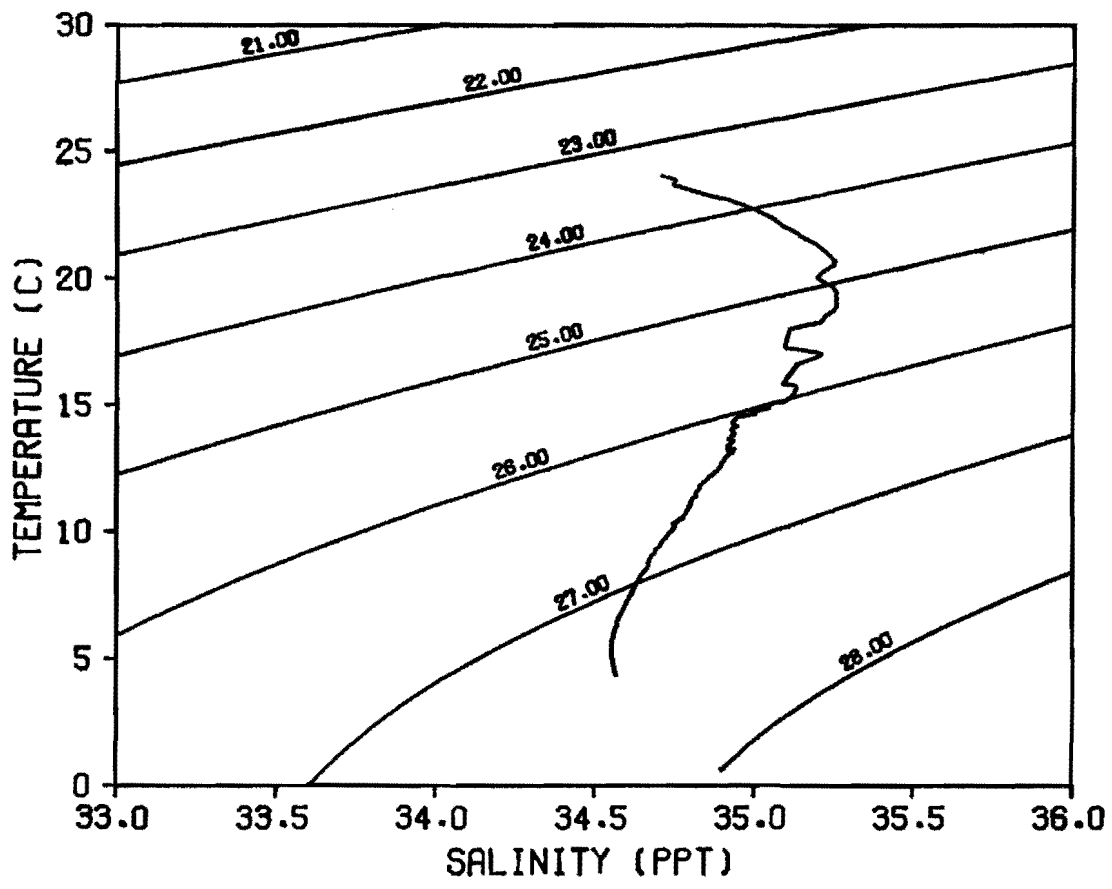


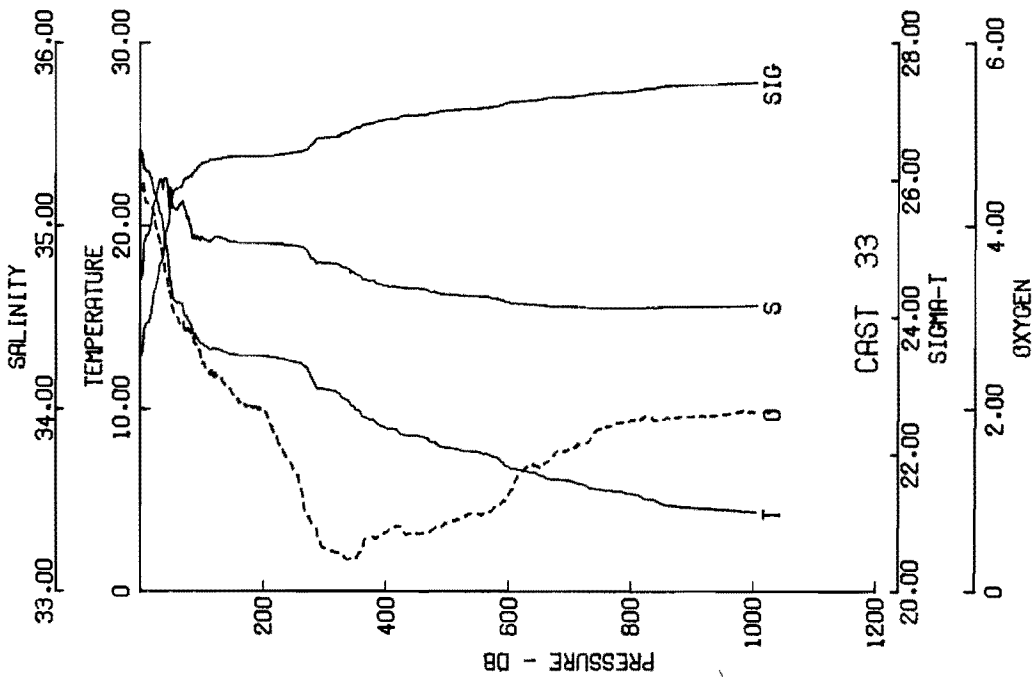
CAST 02-19-UL-032 DATE 10 JUL 79 TIME 0943 GMT
 LAT 0 12.25 LONG 110 02.47 WEAIRMKR 2 SEA STATE 3
 BAROMETER 14 WIND DIR 130 T SPD 10 Kt VISIBILITY 7
 CLOUD % AMOUNT 0 DRY 23.7 WET 23.0 DEPTH M

PKES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	23.820	34.821	4.15	23.077	.000
2	23.732	34.845	4.25	23.022	.042
10	22.768	35.152	3.71	24.134	.018
30	21.719	35.270	3.66	24.202	.120
50	20.454	35.318	3.10	24.908	.179
60	18.885	35.304	3.15	25.299	.203
70	18.201	35.153	2.76	25.835	.224
80	15.374	35.124	2.76	26.132	.244
90	14.440	35.027	2.83	26.217	.263
100	13.749	34.948	2.94	26.252	.281
110	13.041	34.975	2.98	26.251	.299
120	13.835	34.962	2.47	26.270	.317
130	13.341	34.950	2.30	26.292	.335
140	13.310	34.946	2.23	26.314	.352
150	13.232	34.941	2.23	26.337	.370
160	13.025	34.923	2.23	26.354	.387
170	12.929	34.908	2.12	26.365	.405
180	12.863	34.910	2.00	26.370	.422
190	12.874	34.907	1.88	26.374	.439
200	11.841	34.834	.58	26.354	.456
250	11.705	34.796	.43	26.614	.538
300	6.000	34.729	.36	26.772	.616
350	6.105	34.680	.42	26.877	.686
400	6.334	34.650	.74	26.909	.721
450	7.978	34.634	.89	27.004	.870
500	7.467	34.581	.89	27.064	.926
600	6.629	34.571	1.17	27.179	.979
700	6.541	34.569	1.36	27.289	1.079
750	5.854	34.554	1.44	27.285	1.079
800	5.305	34.551	1.67	27.265	1.126
850	4.940	34.556	1.83	27.332	1.171
900	4.619	34.560	1.83	27.384	1.213
950	4.013	34.561	1.88	27.392	1.254
1000	4.490	34.563	1.91	27.407	1.294
1002	4.445	34.563	1.91	27.407	1.333



CAST EP5-79-0C-033 DATE 10 JUL 79 TIME 1254 GMT
LAT 00 10.0N LONG 110 00.0W

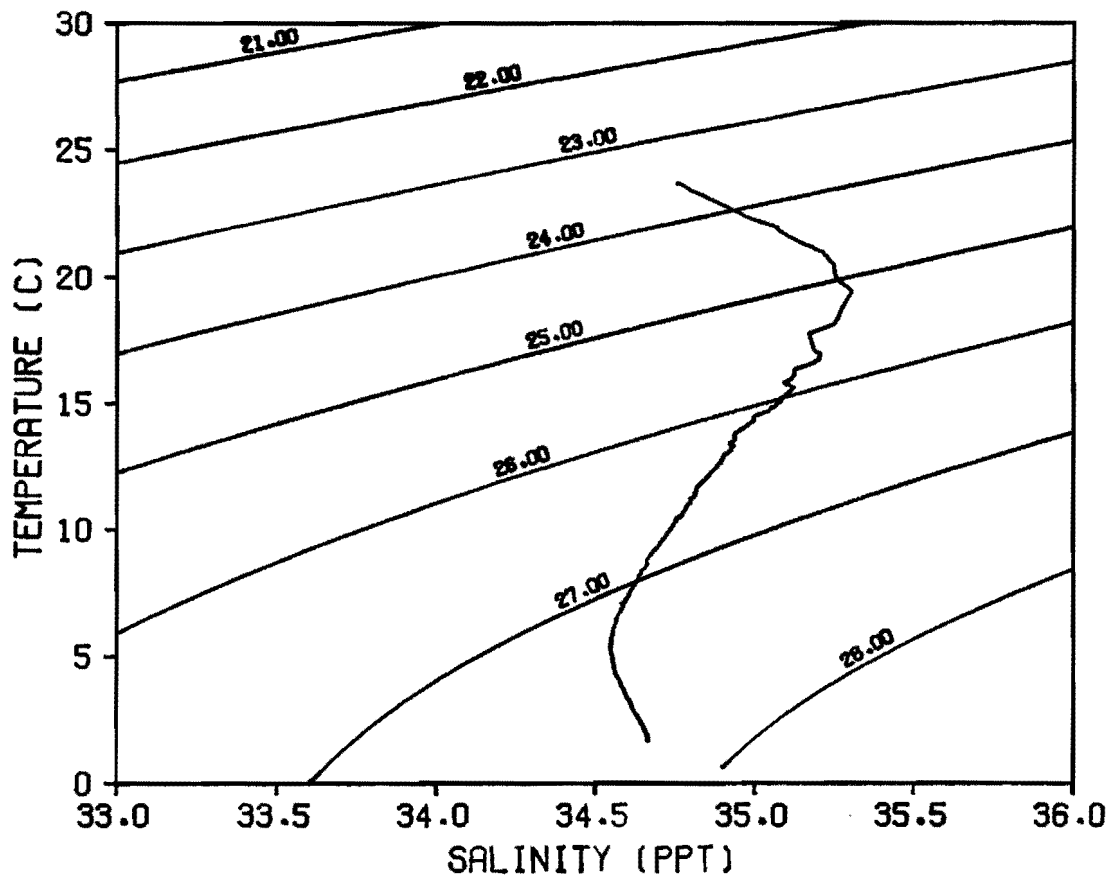




CAST EP5-79-0C-033 DATE 10 JUL 79 TIME 1254 GMT
 LAT 0 10.0N LONG 110 00.0W WEATHER 2 SEA STATE 2
 BAROMETER 14 WIND DIR 140 T SPD 15 KT VISIBILITY 9
 CLOUD 6 AMOUNT 8 DRY 23.8 WET 22.8 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	053	34.709	4.44	23.424	000
10	9.990	34.947	4.425	23.914	.043
20	22.377	35.058	4.419	24.174	.082
30	22.079	35.207	4.386	24.412	.117
40	21.644	35.257	4.352	24.515	.149
50	17.019	35.288	4.329	25.089	.175
60	15.531	35.125	4.285	25.967	.219
70	14.798	35.037	4.252	26.047	.239
80	14.107	34.936	4.225	26.134	.257
90	13.580	34.815	4.202	26.243	.295
100	13.282	34.693	4.144	26.303	.313
110	13.080	34.592	4.145	26.315	.330
120	12.958	34.491	4.118	26.346	.348
130	12.827	34.391	4.114	26.350	.365
140	12.944	34.290	4.104	26.352	.382
150	12.933	34.190	4.104	26.353	.407
160	12.916	34.089	4.099	26.356	.434
170	12.907	34.002	4.091	26.359	.451
180	12.893	33.914	4.077	26.362	.477
190	12.877	33.827	4.073	26.366	.510
200	12.860	33.740	4.061	26.370	.537
250	11.031	33.675	4.037	26.406	.610
300	9.983	33.628	4.034	26.447	.695
350	8.537	33.628	4.034	26.497	.755
400	7.658	33.619	4.034	26.547	.815
450	6.849	33.619	4.034	26.597	.875
500	6.401	33.619	4.034	26.647	.931
550	6.019	33.619	4.034	26.697	.985
600	5.586	33.619	4.034	26.747	1.036
650	5.375	33.619	4.034	26.797	1.084
700	5.375	33.619	4.034	26.847	1.130
750	5.375	33.619	4.034	26.897	1.175
800	5.375	33.619	4.034	26.947	1.217
850	4.835	33.619	4.034	26.997	1.257
900	4.605	33.619	4.034	27.047	1.296
950	4.488	33.619	4.034	27.097	1.335
1000	4.365	33.619	4.034	27.147	1.375

CAST EP5-79-0C-034 DATE 11 JUL 79 TIME 0805 GMT
LAT 00 02.7N LONG 109 58.2W



CAS 179-74-JC-034 DATE 11 JUL 79 TIME 0605 GMT
 LAT 00 02.7N LUNG 109 28.2W WEATHER 1 SEA STATE 3
 BAROMETRIC 10 HIND DIR 140 T VISIBILITY 7
 CLJ00 3 AMOUNT 2 DRY 23.8 WET 22.2 DEPTH 3627 M

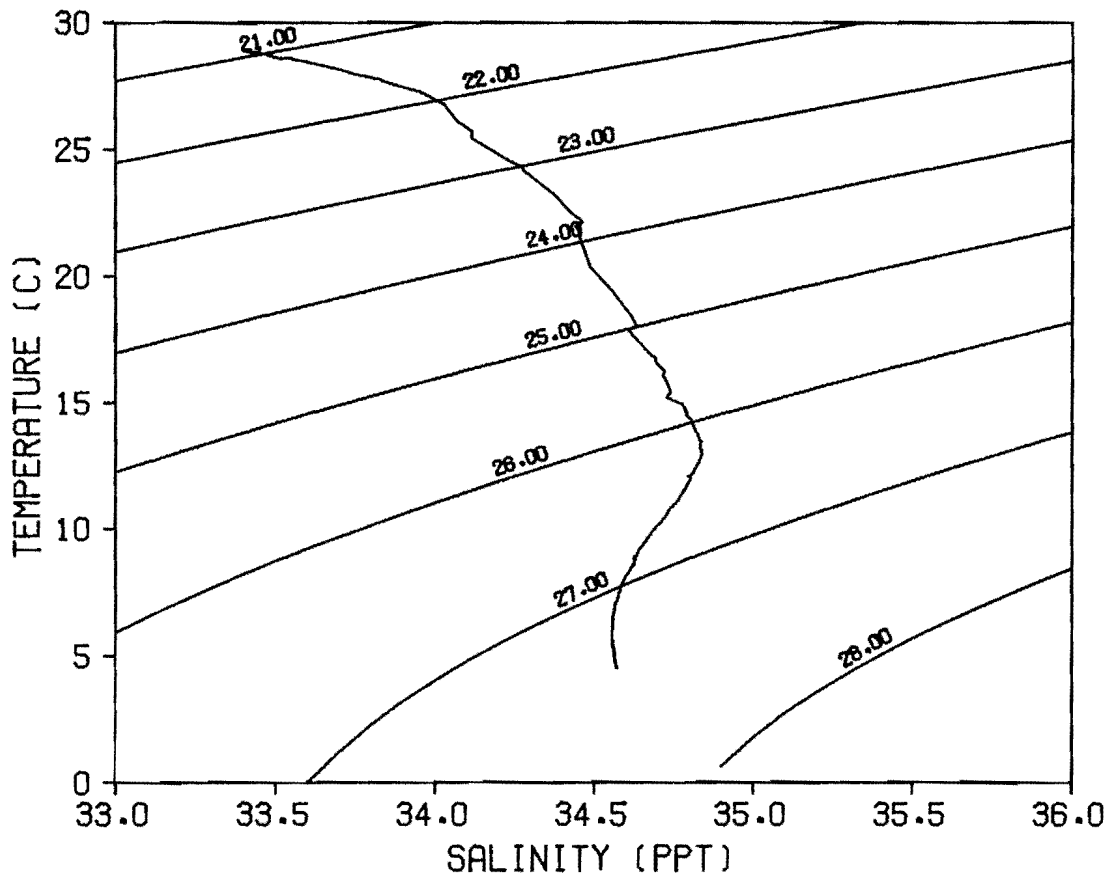
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-I	DELTA-D (DYN-M)
9	23.672	34.757	4.44	23.571	.043
10	23.634	34.764	4.42	24.019	.022
20	22.919	34.753	3.97	24.552	.155
30	21.570	35.129	3.00	24.728	.185
40	19.830	35.305	3.33	25.175	.210
50	18.350	35.185	3.09	25.706	.232
60	17.771	35.091	2.87	26.094	.252
80	17.243	35.022	2.82	26.099	.273
100	17.015	34.940	2.72	26.197	.292
110	16.815	34.928	2.47	26.263	.310
120	16.631	34.928	2.36	26.292	.328
130	16.459	34.935	2.22	26.306	.348
140	16.297	34.942	2.07	26.320	.363
150	16.144	34.949	2.00	26.331	.380
160	15.990	34.955	2.00	26.337	.398
170	15.836	34.960	2.00	26.344	.413
180	15.682	34.965	2.00	26.351	.430
190	15.527	34.970	2.00	26.357	.447
200	15.372	34.975	1.92	26.364	.463
250	14.886	34.989	1.52	26.399	.533
300	14.350	34.999	1.32	26.593	.705
350	13.729	34.993	1.44	26.945	.771
400	13.029	34.988	1.63	26.655	.831
450	12.299	34.982	1.75	27.014	.891
500	11.544	34.976	1.87	27.042	.948
550	10.786	34.970	1.99	27.085	1.003
600	10.029	34.964	2.13	27.164	1.055
650	9.271	34.959	2.29	27.260	1.104
700	8.514	34.953	2.43	27.237	1.156
750	7.757	34.947	2.59	27.571	1.228
800	7.000	34.941	2.71	27.351	1.286
850	6.243	34.935	2.85	27.350	1.326
900	5.486	34.929	2.99	27.405	1.366
950	4.729	34.923	3.13	27.505	1.419
1000	3.972	34.917	3.27	27.649	1.477
1050	3.215	34.911	3.41	27.750	1.532
1100	2.458	34.905	3.55	27.733	1.586
1150	1.701	34.899	3.69	27.842	1.647
1200	0.944	34.893	3.83	27.942	1.709
1250	0.186	34.887	3.97	28.042	1.773
1300		34.881	4.11	28.142	1.837
1350		34.875	4.25	28.242	1.901
1400		34.869	4.39	28.342	1.965
1450		34.863	4.53	28.442	2.029
1500		34.857	4.67	28.542	2.093
1550		34.851	4.81	28.642	2.157
1600		34.845	4.95	28.742	2.221
1650		34.839	5.09	28.842	2.285
1700		34.833	5.23	28.942	2.349
1750		34.827	5.37	29.042	2.413
1800		34.821	5.51	29.142	2.477
1850		34.815	5.65	29.242	2.541
1900		34.809	5.79	29.342	2.605
1950		34.803	5.93	29.442	2.669
2000		34.797	6.07	29.542	2.733
2050		34.791	6.21	29.642	2.797
2100		34.785	6.35	29.742	2.861
2150		34.779	6.49	29.842	2.925
2200		34.773	6.63	29.942	2.989
2250		34.767	6.77	30.042	3.053
2300		34.761	6.91	30.142	3.117
2350		34.755	7.05	30.242	3.181
2400		34.749	7.19	30.342	3.245
2450		34.743	7.33	30.442	3.309
2500		34.737	7.47	30.542	3.373
2550		34.731	7.61	30.642	3.437
2600		34.725	7.75	30.742	3.501
2650		34.719	7.89	30.842	3.565
2700		34.713	8.03	30.942	3.629
2750		34.707	8.17	31.042	3.693
2800		34.701	8.31	31.142	3.757
2850		34.695	8.45	31.242	3.821
2900		34.689	8.59	31.342	3.885
2950		34.683	8.73	31.442	3.949
3000		34.677	8.87	31.542	4.013
3050		34.671	9.01	31.642	4.077
3100		34.665	9.15	31.742	4.141
3150		34.659	9.29	31.842	4.205
3200		34.653	9.43	31.942	4.269
3250		34.647	9.57	32.042	4.333
3300		34.641	9.71	32.142	4.397
3350		34.635	9.85	32.242	4.461
3400		34.629	9.99	32.342	4.525
3450		34.623	10.13	32.442	4.589
3500		34.617	10.27	32.542	4.653
3550		34.611	10.41	32.642	4.717
3600		34.605	10.55	32.742	4.781
3650		34.599	10.69	32.842	4.845
3700		34.593	10.83	32.942	4.909
3750		34.587	10.97	33.042	4.973
3800		34.581	11.11	33.142	5.037
3850		34.575	11.25	33.242	5.101
3900		34.569	11.39	33.342	5.165
3950		34.563	11.53	33.442	5.229
4000		34.557	11.67	33.542	5.293
4050		34.551	11.81	33.642	5.357
4100		34.545	11.95	33.742	5.421
4150		34.539	12.09	33.842	5.485
4200		34.533	12.23	33.942	5.549
4250		34.527	12.37	34.042	5.613
4300		34.521	12.51	34.142	5.677
4350		34.515	12.65	34.242	5.741
4400		34.509	12.79	34.342	5.805
4450		34.503	12.93	34.442	5.869
4500		34.497	13.07	34.542	5.933
4550		34.491	13.21	34.642	5.997
4600		34.485	13.35	34.742	6.061
4650		34.479	13.49	34.842	6.125
4700		34.473	13.63	34.942	6.189
4750		34.467	13.77	35.042	6.253
4800		34.461	13.91	35.142	6.317
4850		34.455	14.05	35.242	6.381
4900		34.449	14.19	35.342	6.445
4950		34.443	14.33	35.442	6.509
5000		34.437	14.47	35.542	6.573
5050		34.431	14.61	35.642	6.637
5100		34.425	14.75	35.742	6.701
5150		34.419	14.89	35.842	6.765
5200		34.413	15.03	35.942	6.829
5250		34.407	15.17	36.042	6.893
5300		34.401	15.31	36.142	6.957
5350		34.395	15.45	36.242	7.021
5400		34.389	15.59	36.342	7.085
5450		34.383	15.73	36.442	7.149
5500		34.377	15.87	36.542	7.213
5550		34.371	16.01	36.642	7.277
5600		34.365	16.15	36.742	7.341
5650		34.359	16.29	36.842	7.405
5700		34.353	16.43	36.942	7.469
5750		34.347	16.57	37.042	7.533
5800		34.341	16.71	37.142	7.597
5850		34.335	16.85	37.242	7.661
5900		34.329	16.99	37.342	7.725
5950		34.323	17.13	37.442	7.789
6000		34.317	17.27	37.542	7.853
6050		34.311	17.41	37.642	7.917
6100		34.305	17.55	37.742	7.981
6150		34.299	17.69	37.842	8.045
6200		34.293	17.83	37.942	8.109
6250		34.287	17.97	38.042	8.173
6300		34.281	18.11	38.142	8.237
6350		34.275	18.25	38.242	8.301
6400		34.269	18.39	38.342	8.365
6450		34.263	18.53	38.442	8.429
6500		34.257	18.67	38.542	8.493
6550		34.251	18.81	38.642	8.557
6600		34.245	18.95	38.742	8.621
6650		34.239	19.09	38.842	8.685
6700		34.233	19.23	38.942	8.749
6750		34.227	19.37	39.042	8.813
6800		34.221	19.51	39.142	8.877
6850		34.215	19.65	39.242	8.941
6900		34.209	19.79	39.342	9.005
6950		34.203	19.93	39.442	9.069
7000		34.197	20.07	39.542	9.133
7050		34.191	20.21	39.642	9.197
7100		34.185	20.35	39.742	9.261
7150		34.179	20.49	39.842	9.325
7200		34.173	20.63	39.942	9.389
7250		34.167	20.77	40.042	9.453
7300		34.161	20.91	40.142	9.517
7350		34.155	21.05	40.242	9.581
7400		34.149	21.19	40.342	9.645
7450		34.143	21.33	40.442	9.709
7500		34.137	21.47	40.542	9.773
7550		34.131	21.61	40.642	9.837
7600		34.125	21.75	40.742	9.901
7650		34.119	21.89	40.842	9.965
7700		34.113	22.03	40.942	10.029
7750		34.107	22.17	41.042	10.093
7800		34.101	22.31	41.142	10.157
7850		34.095	22.45	41.242	10.221
7900		34.089	22.59	41.342	10.285
7950		34.083	22.73	41.442	10.349
8000		34.077	22.87	41.542	10.413
8050		34.071	23.01	41.642	10.477
8100		34.065	23.15	41.742	10.541
8150		34.059	23.29	41.842	10.605
8200		34.053	23.43	41.942	10.669
8250		34.047	23.57	42.042	10.733
8300		34.041	23.71	42.142	10.797
8350		34.035	23.85	42.242	10.861
8400		34.029	23.99	42.342	10.925
8450		34.023	24.13	42.442	10.989
8500		34.017	24.27	42.542	11.053
8550		34.011	24.41	42.642	11.117
8600		34.005	24.55	42.742	11.181
8650		34.000	24.69	42.842	11.245
8700		33.994	24.83	42.942	11.309
8750		33.988	24.97	43.042	11.373
8800		33.982	25.11	43.142	11.437
8850		33.976	25.25	43.242	11.501
8900		33.970	25.39	43.342	11.565
8950		33.964	25.53	43.442	11.629
9000		33.958	25.67	43.542	11.693
9050		33.952	25.81	43.642	11.757
9100		33.946	25.95	43.742	11.821
9150		33.940	26.09	43.842	11.885
9200		33.934	26.23	43.942	11.949
9250		33.928	26.37	44.042	

EP6-79-0C

10 October - 7 November 1979

NBIS CTD/O₂ Data Summary

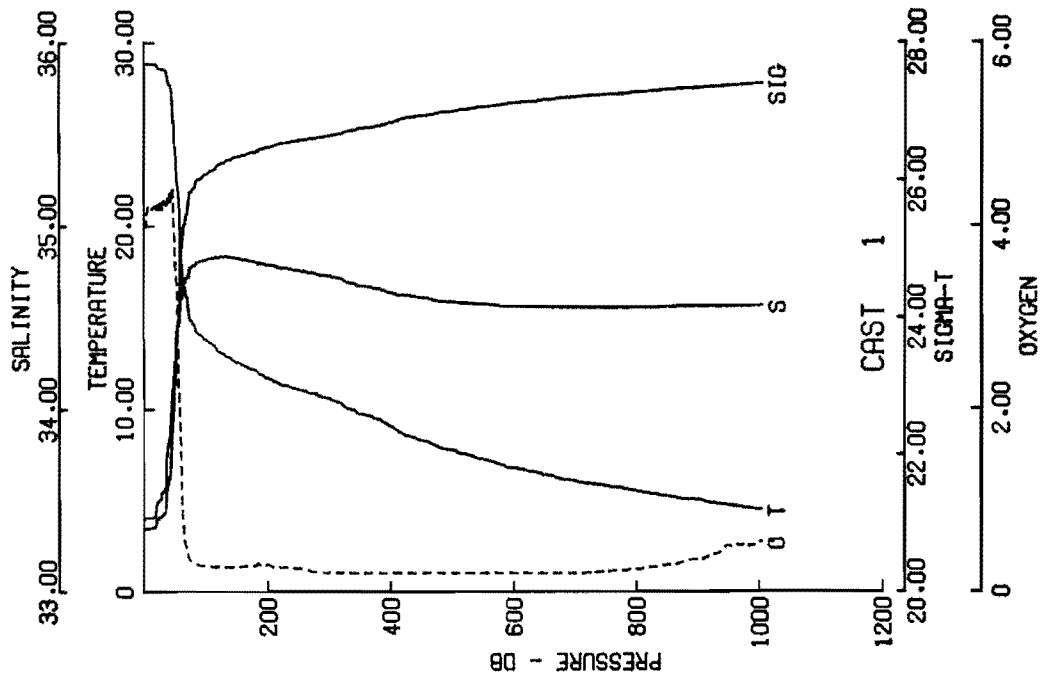
CAST EP6-79-0C-001 DATE 19 OCT 79 TIME 1647 GMT
LAT 12 00.1N LONG 110 00.8W



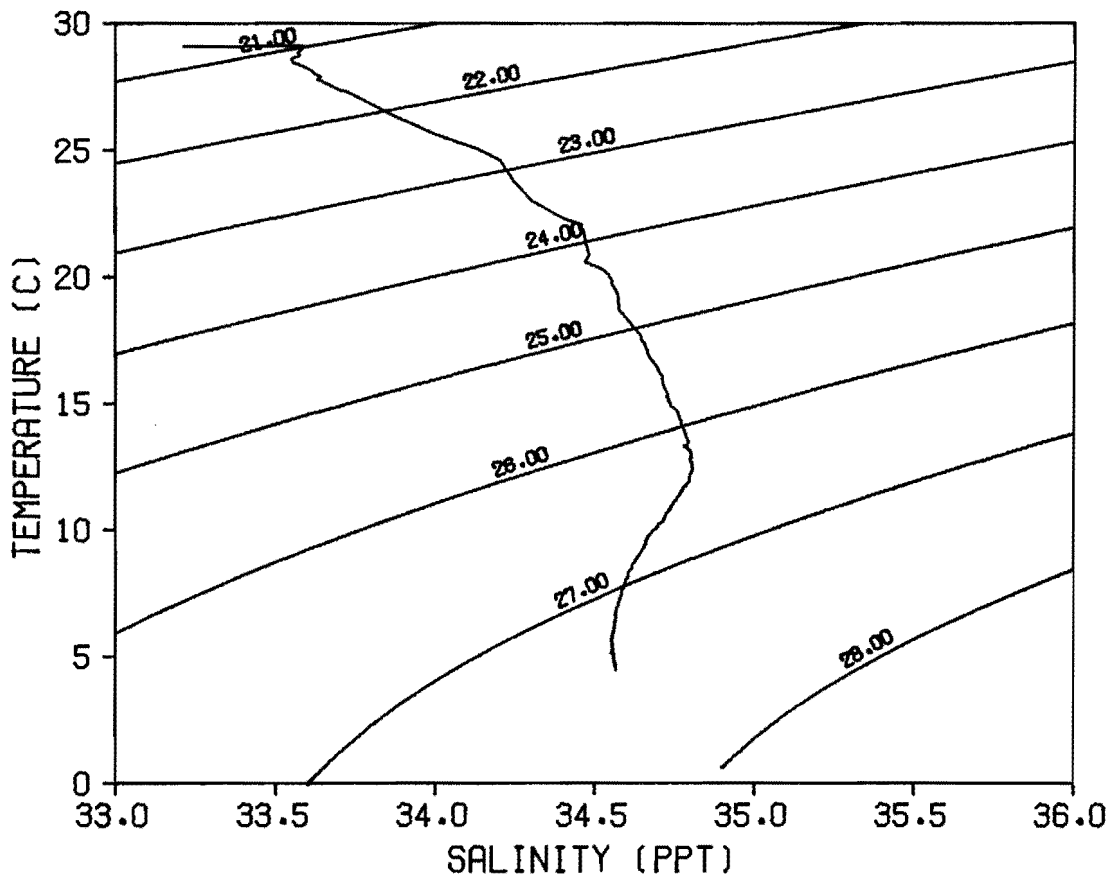
CAST 12.00 IN LONG 110 60.8W WEATHER 1 SEA STATE 2
 BAROMETER 12 WIND DIR 100 T SPD 08 KT VISIBILITY 7
 CLOUD 8 AMOUNT 4 DRY 29.0 WET 24.8 DEPTH M

DATE 19 OCT 79 TIME 1647 GMT
 WIND DIR 100 T SPD 08 KT VISIBILITY 7
 WET 24.8 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	DOXY (ML/L)	SIG-T	DELTA-D (DTN-H)
0	28.862	33.403	3.90	20.924	.000
3	28.875	33.406	4.07	20.928	.069
10	28.851	33.434	4.21	20.938	.137
30	28.804	33.546	4.35	20.970	.204
50	27.800	33.808	4.35	21.123	.270
60	27.443	34.271	3.81	21.517	.368
70	26.972	34.615	1.47	22.885	.397
80	26.704	34.787	.320	25.530	.417
90	26.451	34.807	.29	25.887	.438
100	26.217	34.827	.28	26.092	.458
110	26.004	34.832	.28	26.151	.477
120	25.817	34.836	.27	26.235	.494
130	25.655	34.836	.27	26.310	.511
140	25.526	34.836	.28	26.352	.531
150	25.427	34.822	.28	26.374	.549
160	25.349	34.815	.29	26.401	.566
170	25.293	34.802	.29	26.420	.599
180	25.250	34.792	.30	26.466	.616
190	25.217	34.769	.30	26.490	.632
200	25.190	34.769	.30	26.585	.710
250	25.162	34.729	.21	26.659	.784
300	25.133	34.676	.21	26.759	.855
350	25.102	34.638	.21	26.838	.922
400	25.071	34.577	.21	26.940	.984
450	25.039	34.524	.21	27.003	1.043
500	25.005	34.469	.21	27.063	1.099
550	24.973	34.413	.21	27.123	1.153
600	24.942	34.357	.21	27.168	1.204
650	24.912	34.301	.21	27.219	1.253
700	24.882	34.246	.21	27.270	1.301
750	24.852	34.191	.21	27.318	1.349
800	24.822	34.136	.21	27.363	1.395
850	24.792	34.081	.21	27.409	1.441
900	24.762	34.026	.21	27.456	1.487
950	24.732	34.026	.21	27.503	1.533
1000	24.702	34.026	.21	27.550	1.579
1003	24.697	34.026	.21	27.571	1.585

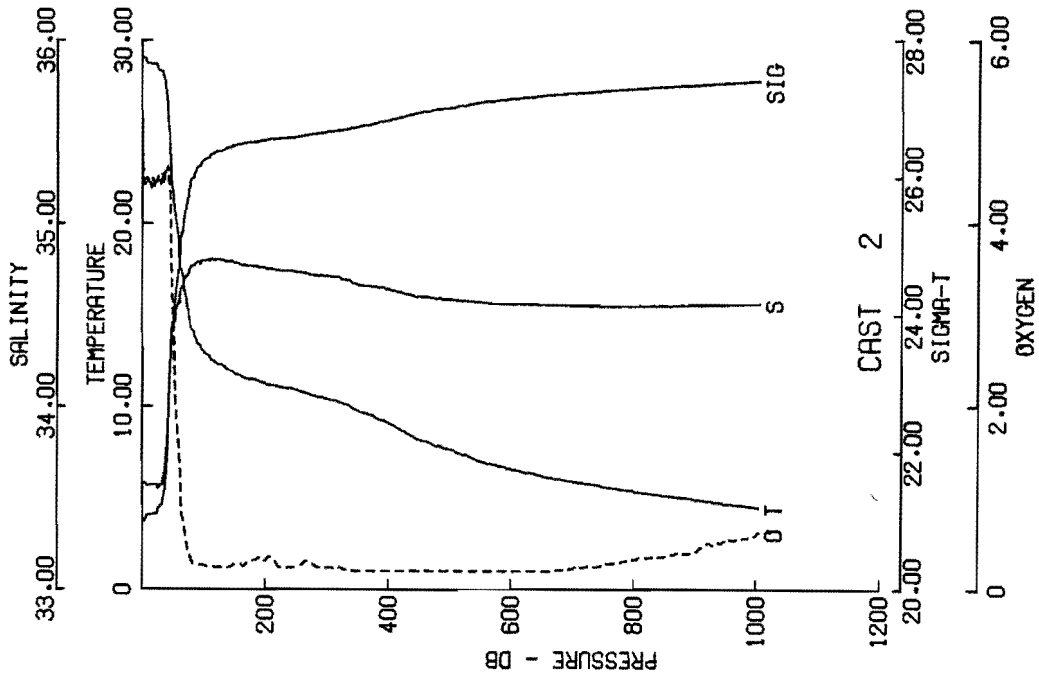


CAST EP6-79-0C-002 DATE 19 OCT 79 TIME 2358 GMT
LAT 11 00.0N LONG 109 59.8W

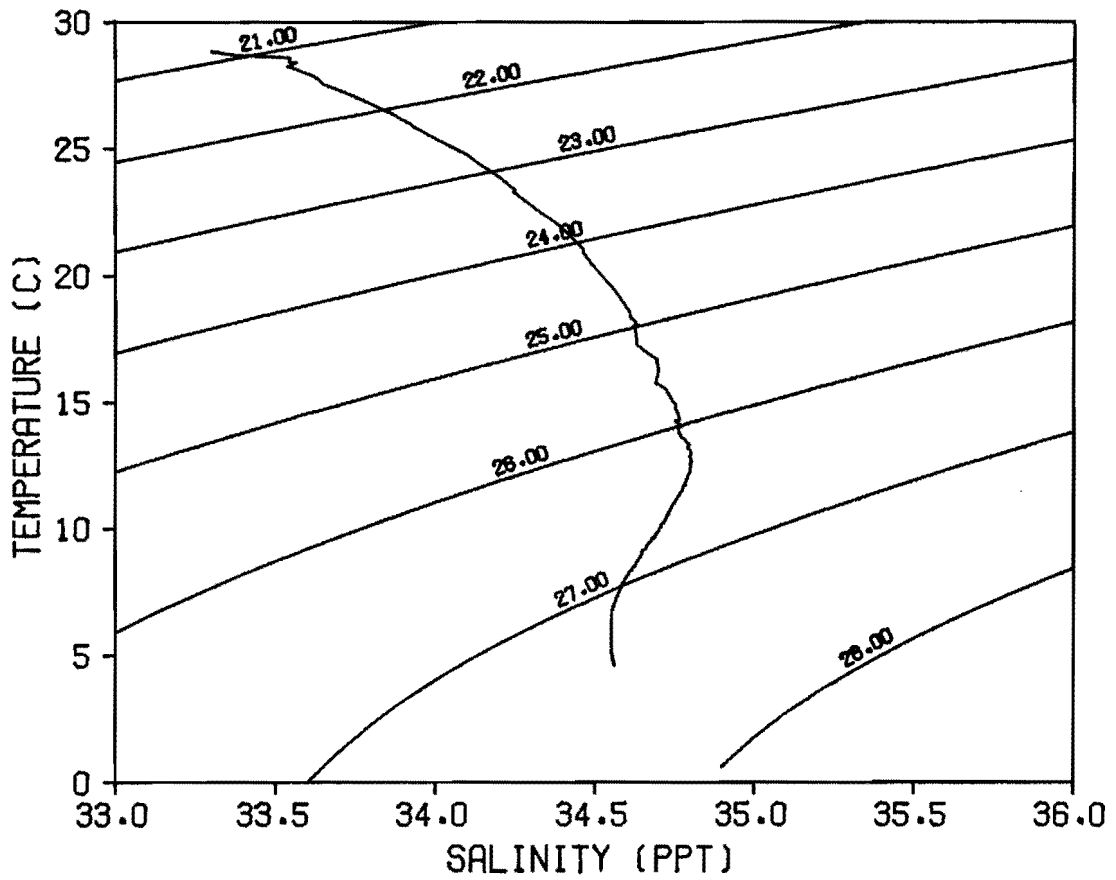


CAST EP6-79-UC-002 DATE 19 OCT 79 TIME 2356 GMT
 LAT 11 00.0N LONG 109 29.6W WEATHER 1 SEA STATE 3
 BAROMETER UB WIND DIR 080 T SPD 10 KT VISIBILITY 7
 CLOUDS 7 AMOUNT 1 DRY 29.4 WET 24.7 DEPTH M

PKL# (JOB)	TEMP (C)	SAL (PPT)	UXY (ML/L)	SIG-T	DELTAD (DYN-H)
0	29.156	33.377	4.76	20.613	.000
1	29.073	33.215	4.87	20.719	.068
10	28.775	33.575	4.47	21.087	.135
20	28.730	33.575	4.47	21.214	.266
30	29.300	33.725	4.58	21.682	.316
40	21.948	34.428	3.09	23.839	.353
50	21.191	34.573	1.06	24.004	.381
60	16.204	34.703	.06	25.490	.404
70	14.258	34.794	.28	26.121	.424
80	13.028	34.799	.27	26.121	.443
100	12.749	34.798	.25	26.243	.461
120	12.509	34.802	.24	26.376	.478
130	12.029	34.802	.24	26.396	.495
140	11.028	34.796	.24	26.471	.511
150	11.064	34.794	.28	26.471	.529
160	11.701	34.780	.28	26.493	.543
170	11.323	34.772	.32	26.520	.559
180	11.303	34.766	.34	26.539	.575
190	11.303	34.761	.34	26.553	.590
200	10.865	34.742	.25	26.600	.606
300	9.855	34.720	.24	26.671	.622
350	9.653	34.674	.21	26.746	.638
400	8.139	34.646	.21	26.850	.654
450	8.229	34.606	.21	26.950	.670
500	7.683	34.594	.21	27.019	.686
550	7.030	34.575	.21	27.110	.702
600	6.615	34.566	.21	27.197	.718
650	6.290	34.563	.21	27.283	.734
700	5.916	34.554	.23	27.369	.750
750	5.641	34.554	.27	27.455	.766
800	5.403	34.554	.33	27.541	.782
850	4.918	34.554	.41	27.627	.798
900	4.683	34.562	.54	27.713	.814
950	4.502	34.562	.62	27.800	.830
1004	4.486	34.567	.62	27.886	.846

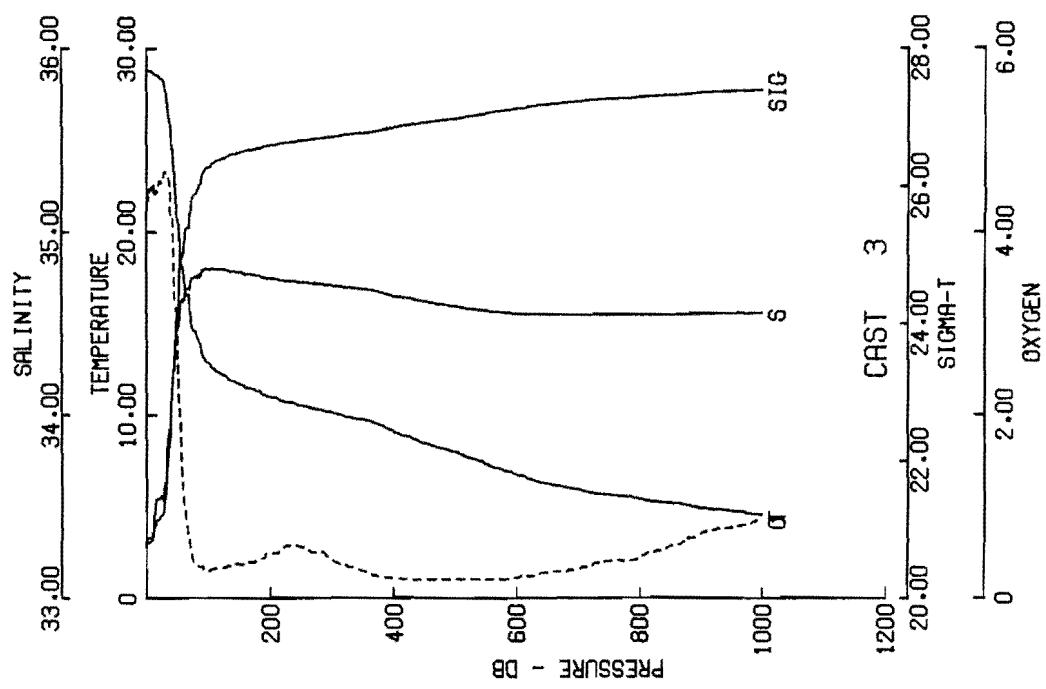


CAST EP6-79-0C-003 DATE 20 OCT 79 TIME 0703 GMT
LAT 10 00.5N LONG 110 00.1W

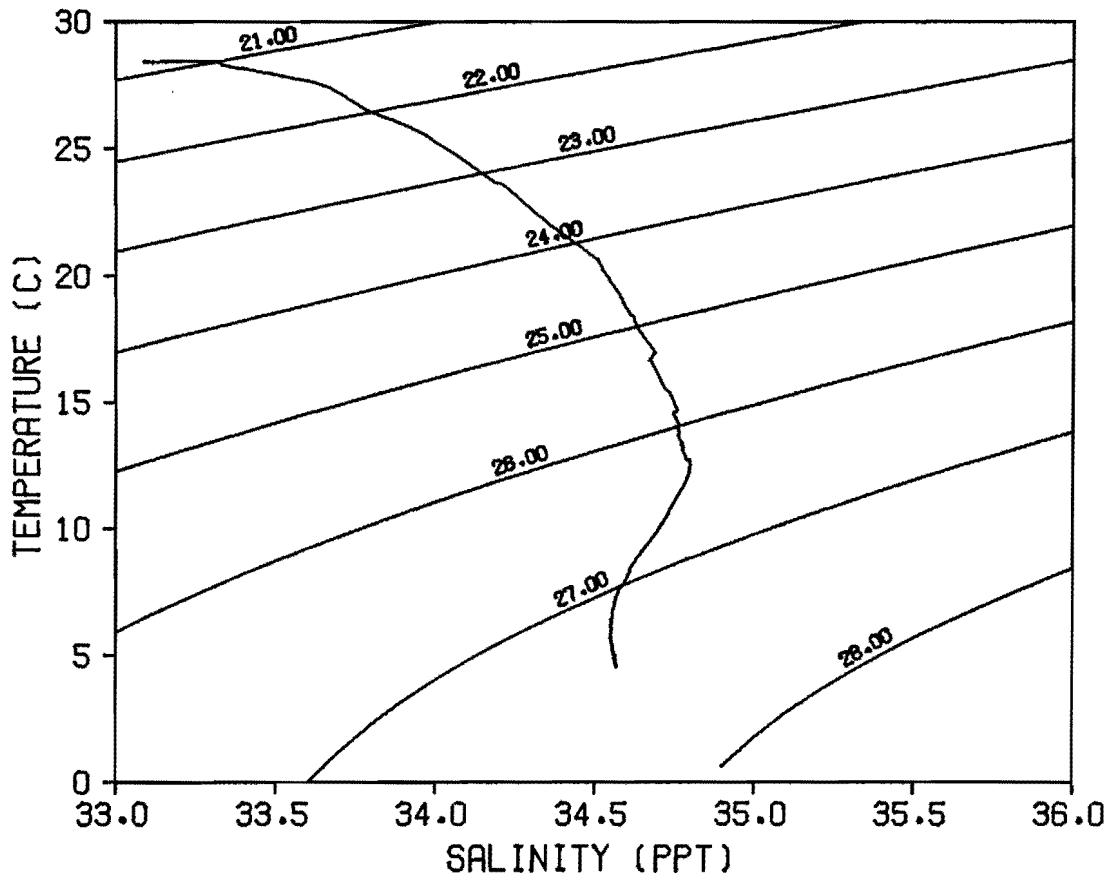


CAST 10 00.79-05-003 DATE 20 ULT 79 TIME 0703 GMT
 LAT 10 00.79 N LONG 110 00.14 W SEA STATE 3
 BAROMETER 12 WIND DIR 060 Y SPO 10 KT VISIBILITY 8
 CLOUD 8 AMOUNT 5 WET 28.2 MET 25.0 DEPTH M

PKL3 (DB)	TEMP (C)	SAL (PPT)	JAY (ML/L)	SIG-I	DELTA-D (DYN-M)
0	28.814	33.494	4.35	20.809	.000
2	28.809	33.330	4.33	20.873	.069
10	28.791	33.321	4.33	20.893	.138
20	28.711	33.345	4.33	21.123	.202
30	27.690	33.617	4.07	22.473	.261
40	25.423	33.995	2.98	24.134	.307
50	20.012	34.463	1.14	24.946	.340
60	16.236	34.697	.37	25.481	.367
70	13.503	34.782	.34	25.882	.384
80	12.924	34.800	.32	26.134	.409
100	12.548	34.800	.33	26.347	.428
120	12.111	34.795	.37	26.503	.442
130	11.700	34.788	.37	26.626	.479
150	11.752	34.783	.36	26.706	.495
160	11.568	34.772	.35	26.814	.511
170	11.490	34.770	.43	26.926	.527
180	11.343	34.756	.44	26.980	.558
190	11.131	34.730	.49	26.994	.573
200	11.029	34.730	.49	26.982	.588
300	10.595	34.714	.40	26.706	.733
400	9.788	34.651	.30	26.843	.868
500	8.504	34.626	.21	26.973	.931
550	7.361	34.573	.21	27.049	.991
600	6.802	34.527	.22	27.118	1.042
700	6.290	34.531	.28	27.182	1.153
800	5.983	34.531	.31	27.221	1.202
900	5.697	34.551	.40	27.257	1.249
950	5.227	34.553	.47	27.315	1.337
970	4.920	34.558	.70	27.350	1.380
999	4.746	34.561	.84	27.394	1.422

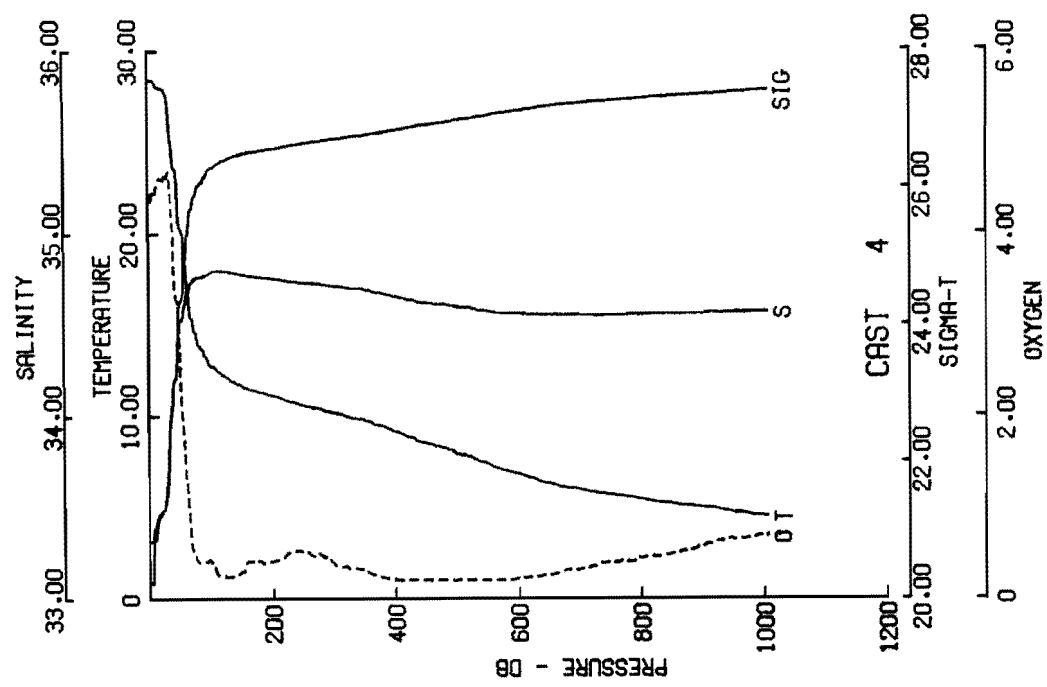


CAST EP6-79-0C-004 DATE 20 OCT 79 TIME 1357 GMT
LAT 08 59.8N LONG 109 59.9W

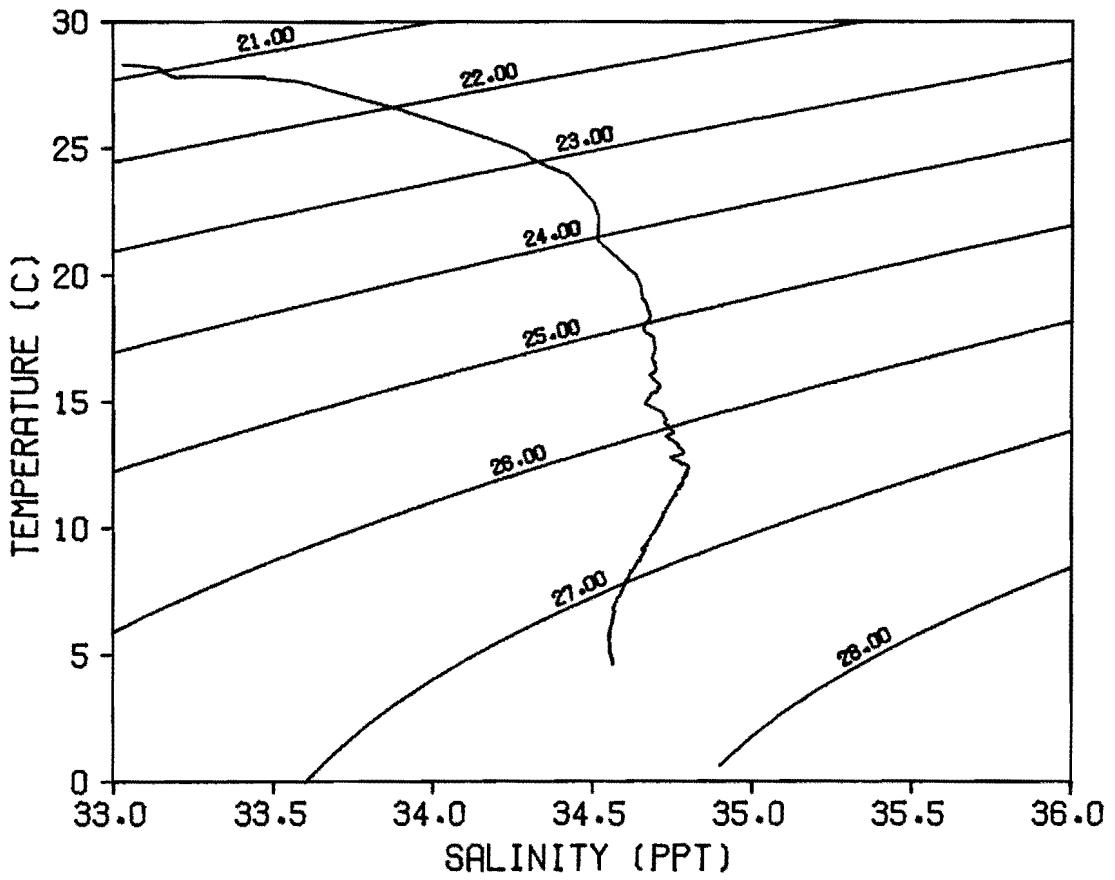


CAST EP6-79-OC-004 DATE 20 OCT 79 TIME 1357 GMT
 LAT 08 59.8N LONG 109 59.9W WEATHER 1 VISIBILITY 7
 BAROMETER 15 WIND DIR 180.1 SPD 24.8 VISIBILITY M
 CLOUD 8 AMOUNT 1 DRY 27.4 WET 24.8

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.423	33.074	4.40	20.829	.000
3	28.423	33.089	4.44	20.840	.069
10	28.362	33.324	4.46	21.036	.135
30	27.988	33.463	4.50	21.499	.200
50	27.614	33.615	4.56	23.071	.256
70	23.848	34.514	2.77	24.909	.300
80	18.363	34.735	1.56	25.697	.334
90	13.399	34.766	.41	26.033	.382
100	13.380	34.776	.41	26.190	.401
110	12.578	34.785	.41	26.288	.427
120	12.578	34.809	.28	26.340	.454
130	12.072	34.793	.23	26.393	.471
140	11.864	34.787	.26	26.448	.487
150	11.706	34.781	.30	26.493	.503
160	11.565	34.774	.40	26.515	.514
170	11.344	34.769	.42	26.530	.530
180	11.263	34.765	.43	26.548	.555
200	11.162	34.756	.41	26.574	.580
250	10.197	34.711	.39	26.611	.626
300	9.189	34.692	.32	26.670	.705
400	8.153	34.650	.24	26.840	.823
500	7.931	34.596	.21	26.913	.923
600	7.423	34.573	.21	27.043	.985
700	6.848	34.555	.23	27.140	1.042
800	5.987	34.555	.26	27.223	1.096
900	5.212	34.550	.39	27.290	1.145
1000	5.005	34.558	.49	27.321	1.195
1005	4.736	34.559	.57	27.342	1.242
1005	4.553	34.565	.69	27.342	1.287
1005	4.553	34.570	.69	27.342	1.331
1005	4.553	34.570	.69	27.342	1.374
1005	4.553	34.570	.69	27.342	1.415

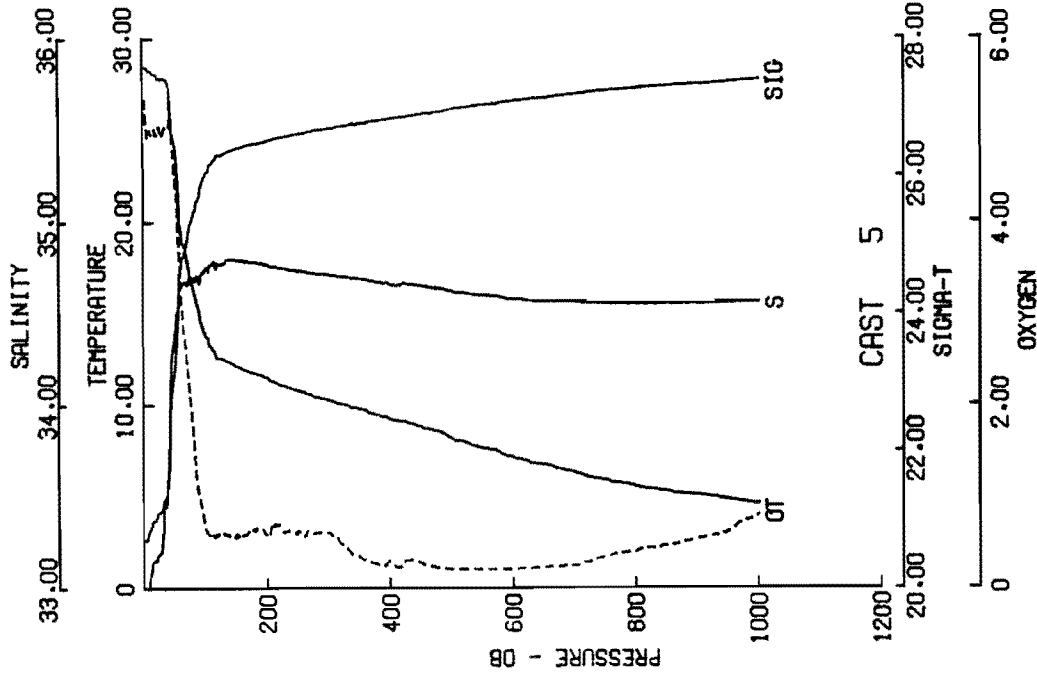


CAST EP6-79-0C-005 DATE 20 OCT 79 TIME 2055 GMT
LAT 08 00.5N LONG 109 59.3W

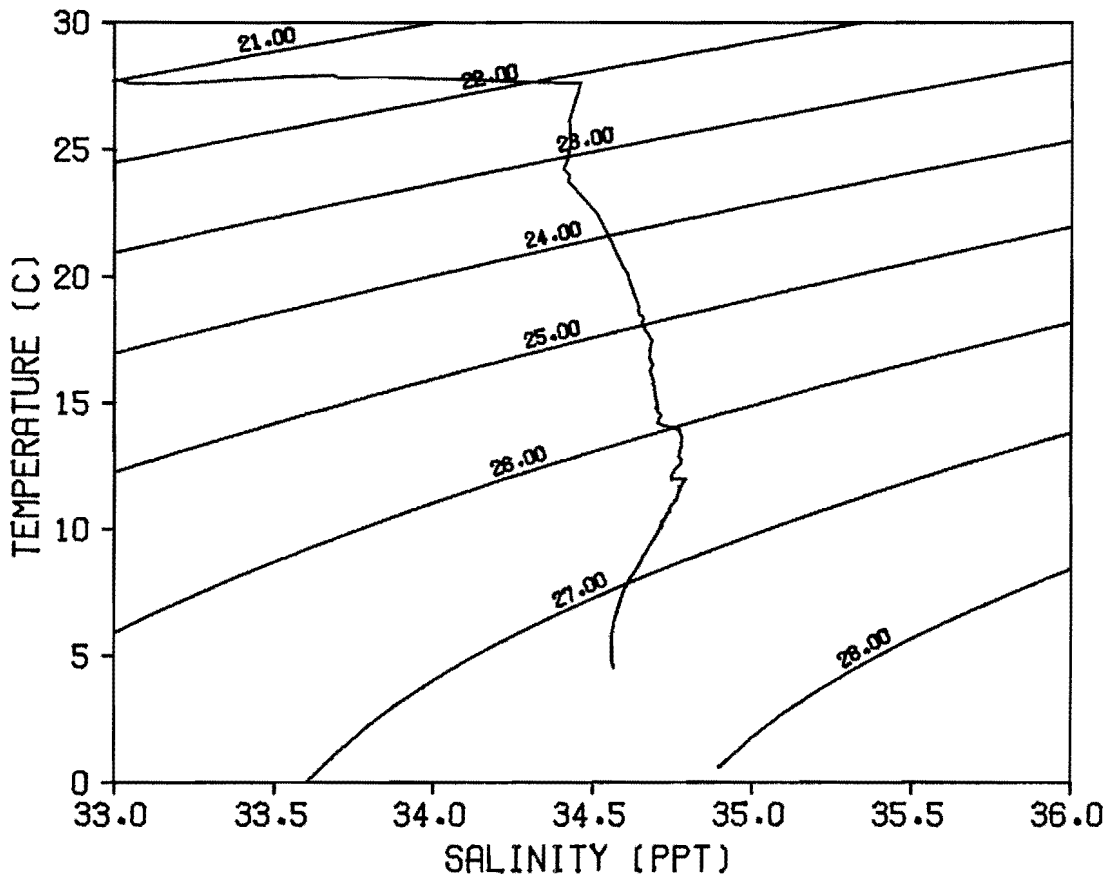


CAST EP6-79-0C-005 DATE 20 OCT 79 TIME 2055 GMT
 LAT 08 00.5N LONG 109 59.3W WEATHER 2 SEA STATE 0
 BAROMETER 12 WIND DIR 000 T SPD 00 KT VISIBILITY 9
 CLOUD 8 AMOUNT 5 DRY 29.2 WET 25.2 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.547	32.927	5.65	20.678	.000
10	28.468	32.931	5.33	20.708	.071
20	28.302	33.031	4.99	20.837	.134
30	28.098	33.119	4.96	21.007	.206
40	27.825	33.217	4.94	21.131	.272
50	27.661	33.355	5.02	21.490	.366
60	27.478	33.441	3.35	22.561	.399
70	18.063	33.466	3.56	23.015	.426
80	19.205	33.486	1.04	23.698	.451
90	13.890	33.476	.59	26.031	.472
100	13.624	33.477	.59	26.183	.510
110	12.570	33.477	.59	26.322	.527
120	12.398	33.479	.59	26.374	.544
130	12.207	33.479	.59	26.408	.591
140	12.082	33.479	.56	26.431	.598
150	11.921	33.478	.63	26.455	.594
160	11.809	33.478	.65	26.479	.610
170	11.702	33.477	.65	26.511	.642
180	11.565	33.477	.62	26.515	.718
190	11.451	33.477	.61	26.644	.791
200	11.351	33.477	.35	26.694	.861
250	9.803	33.466	.30	26.763	.927
300	8.832	33.465	.21	26.893	.991
350	8.217	33.462	.21	26.964	.053
400	7.677	33.457	.21	27.082	1.116
450	7.169	33.453	.23	27.130	1.166
500	6.929	33.453	.23	27.181	1.220
550	6.370	33.453	.34	27.230	1.270
600	5.920	33.453	.47	27.270	1.319
650	5.525	33.453	.54	27.304	1.365
700	5.188	33.453	.54	27.320	1.410
750	4.889	33.453	.80	27.336	1.453
800	4.634	33.453	.80	27.350	1.493
850	4.463	33.453	.80	27.363	1.536
900					
950					
1000					
1001					

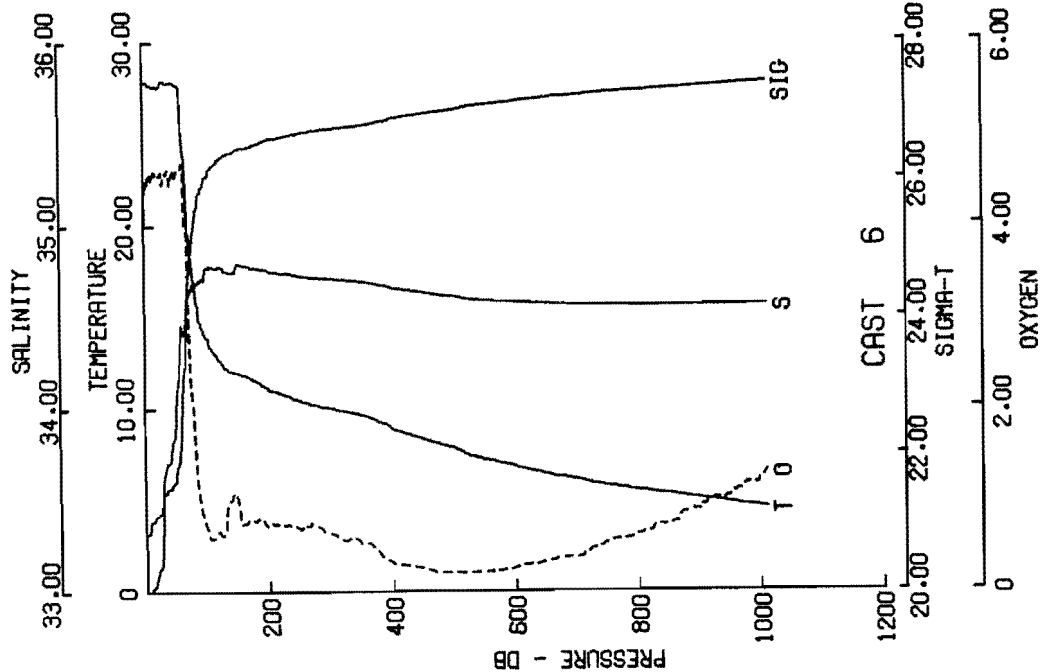


CAST EP6-79-0C-006 DATE 21 OCT 79 TIME 0338 GMT
LAT 06 58.8N LONG 110 00.5W

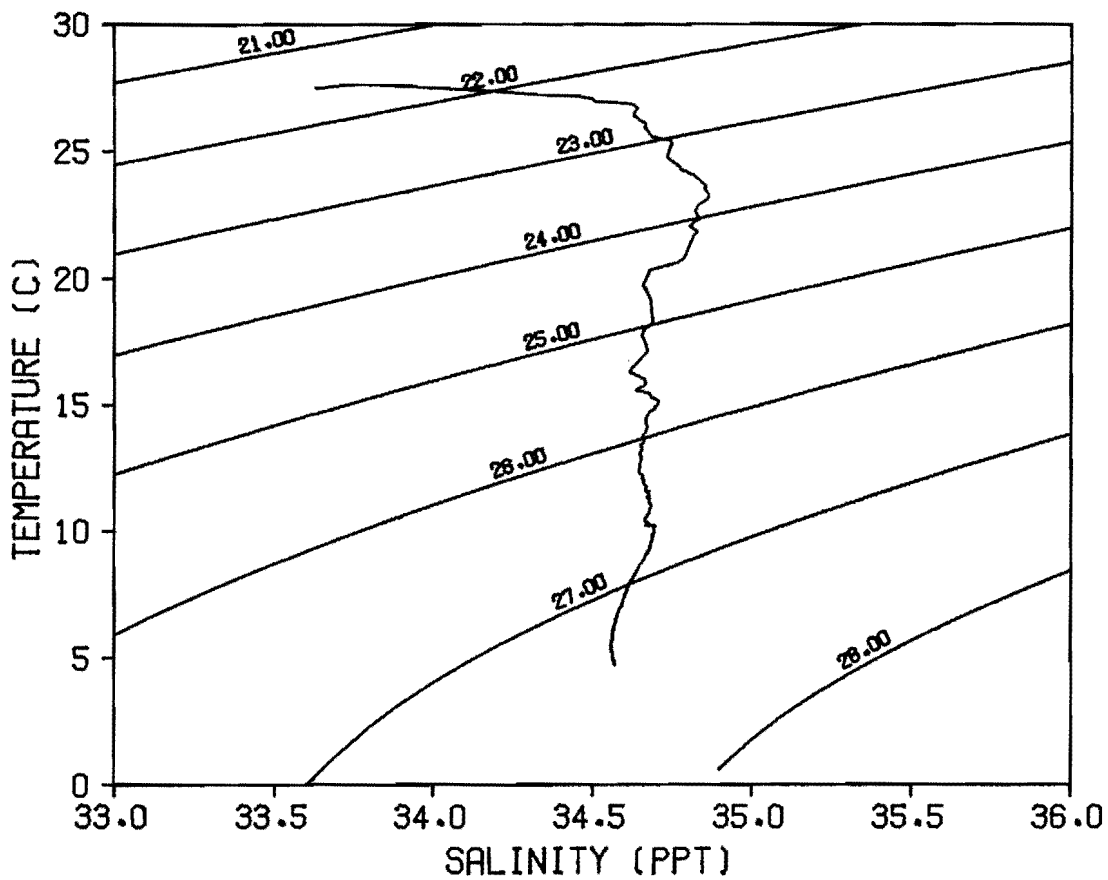


CAST 4P6-79-0C-006 DATE 21 OCT 79 TIME 0338 GMT
 LAT 06 58.8N LONG 110 00.5W WEATHER 2 SEA STATE 2
 BAROMETR 11 WIND DIR 200 T SPD 12 KT VISIBILITY 7
 CLOUD 8 AMOUNT 9 DKY 26.0 MET 24.5 DEPTH M

PKS (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.852	32.846	4.20	20.842	.000
1	27.852	33.017	4.203	20.851	.069
10	27.722	33.097	4.52	21.014	.136
20	27.878	33.586	4.47	21.376	.203
30	27.841	33.701	4.51	21.501	.266
40	27.847	33.864	4.55	21.647	.329
50	27.167	34.051	4.60	21.820	.384
60	20.998	34.609	4.69	22.044	.434
70	16.774	34.679	4.96	22.286	.465
80	14.910	34.702	4.95	22.509	.490
90	13.238	34.777	5.70	22.804	.510
100	12.719	34.776	5.8	23.048	.530
110	12.260	34.746	6.9	23.301	.566
120	12.047	34.791	1.02	23.452	.582
130	11.964	34.791	1.01	23.601	.599
140	11.859	34.785	1.74	23.748	.611
150	11.724	34.777	1.78	23.894	.627
160	11.547	34.777	1.79	24.041	.647
170	11.316	34.766	1.79	24.188	.668
180	11.107	34.756	1.73	24.336	.688
190	10.463	34.711	1.73	24.484	.751
200	10.044	34.695	1.83	24.632	.821
300	9.671	34.661	1.89	24.780	.884
400	9.474	34.636	1.82	24.928	.954
500	9.374	34.614	1.26	25.076	1.074
600	7.200	34.586	1.21	25.224	1.182
700	6.849	34.580	1.26	25.372	1.231
800	6.413	34.565	1.38	25.520	1.281
900	5.738	34.560	1.53	25.668	1.331
1000	5.509	34.561	1.62	25.816	1.379
1010	5.062	34.561	1.74	25.964	1.460
1020	4.800	34.562	1.83	26.112	1.542
1030	4.546	34.565	1.81	26.260	1.542

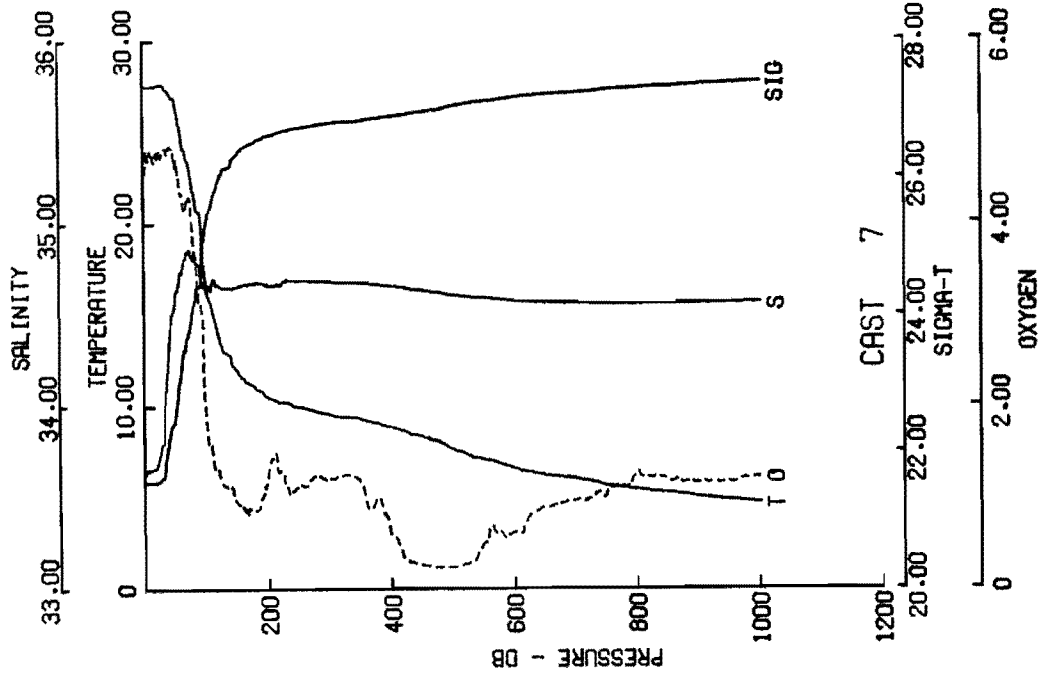


CAST EP6-79-0C-007 DATE 21 OCT 79 TIME 1037 GMT
LAT 05 59.0N LONG 110 00.3W

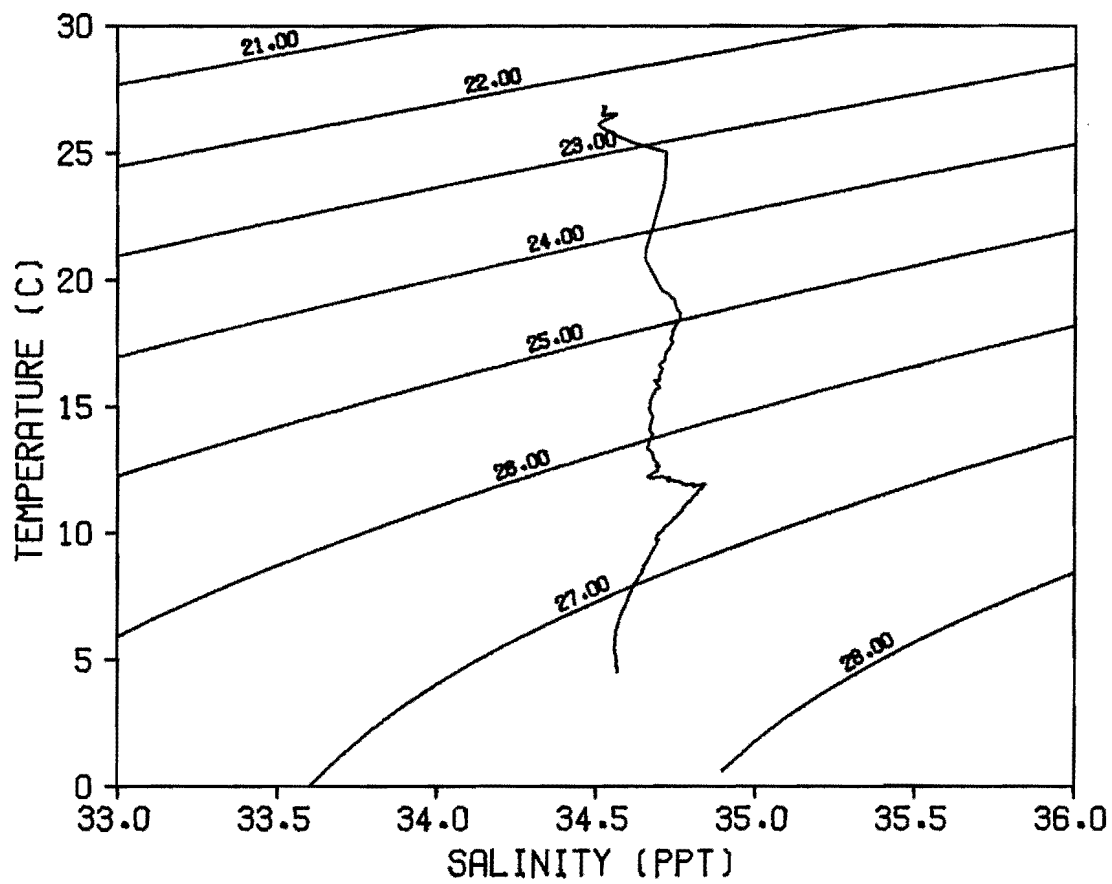


CAST EP6-79-DC-007 DATE 21 OCT 79 TIME 1037 GMT
 LAT 05 59.0N LONG 110 00.3W WEATHER 6 VSEA STATE 3
 BAROMETER 11.1 WIND DIR 230.7 SPD 12.0 KT VISIB 8
 CLOUD X AMOUNT 8 DRY 23.7 WET 23.2 MET 23.2 M

PRES (DB)	TEMP (C)	SAL (PPT)	DOXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.468	33.609	4.37	21.541	.000
3	27.490	33.631	4.35	21.560	.063
10	27.512	33.653	4.76	21.581	.188
30	27.529	33.662	4.76	21.605	.188
40	27.548	34.257	4.79	22.005	.303
50	27.587	34.589	4.64	22.400	.354
60	27.608	34.748	4.33	23.075	.399
70	23.567	34.853	4.22	23.676	.476
80	21.824	34.826	3.81	24.426	.508
90	20.690	34.777	3.10	25.255	.533
100	16.942	34.670	1.55	25.958	.573
110	15.423	34.670	1.33	26.179	.594
120	13.103	34.652	1.13	26.430	.612
130	12.813	34.652	1.13	26.430	.645
140	12.030	34.659	1.19	26.430	.676
150	11.576	34.668	.89	26.430	.691
160	11.296	34.668	.89	26.430	.730
170	11.097	34.675	.86	26.430	.830
180	10.849	34.680	.86	26.430	.895
190	10.599	34.666	1.20	26.430	.958
200	10.339	34.692	1.19	26.430	1.017
250	9.577	34.686	1.19	27.104	1.132
300	9.341	34.679	1.19	27.104	1.183
400	8.374	34.638	1.19	27.104	1.230
450	8.374	34.638	.26	27.104	1.230
500	7.668	34.607	.26	27.104	1.230
550	6.614	34.576	.48	27.104	1.230
600	6.042	34.565	.86	27.104	1.230
700	5.425	34.560	1.00	27.104	1.230
800	5.264	34.558	1.21	27.104	1.230
900	5.040	34.563	1.18	27.104	1.230
950	4.874	34.566	1.18	27.104	1.230
1000	4.726	34.571	1.23	27.104	1.230
1002	4.724	34.569	1.23	27.104	1.230

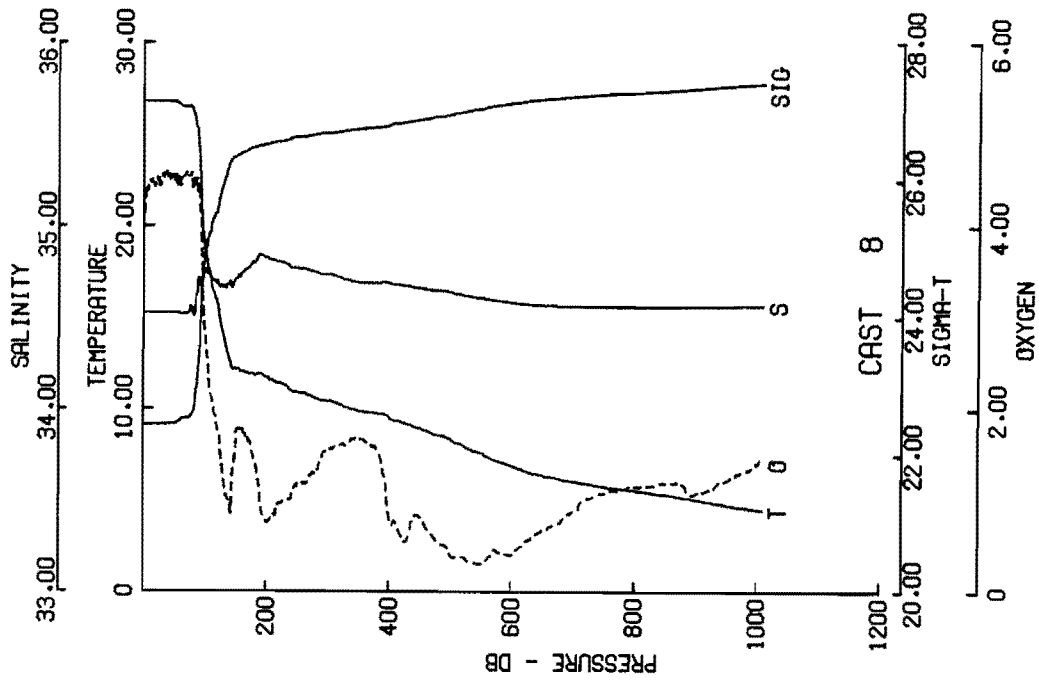


CAST EP6-79-0C-008 DATE 21 OCT 79 TIME 1733 GMT
LAT 04 58.3N LONG 110 00.6W

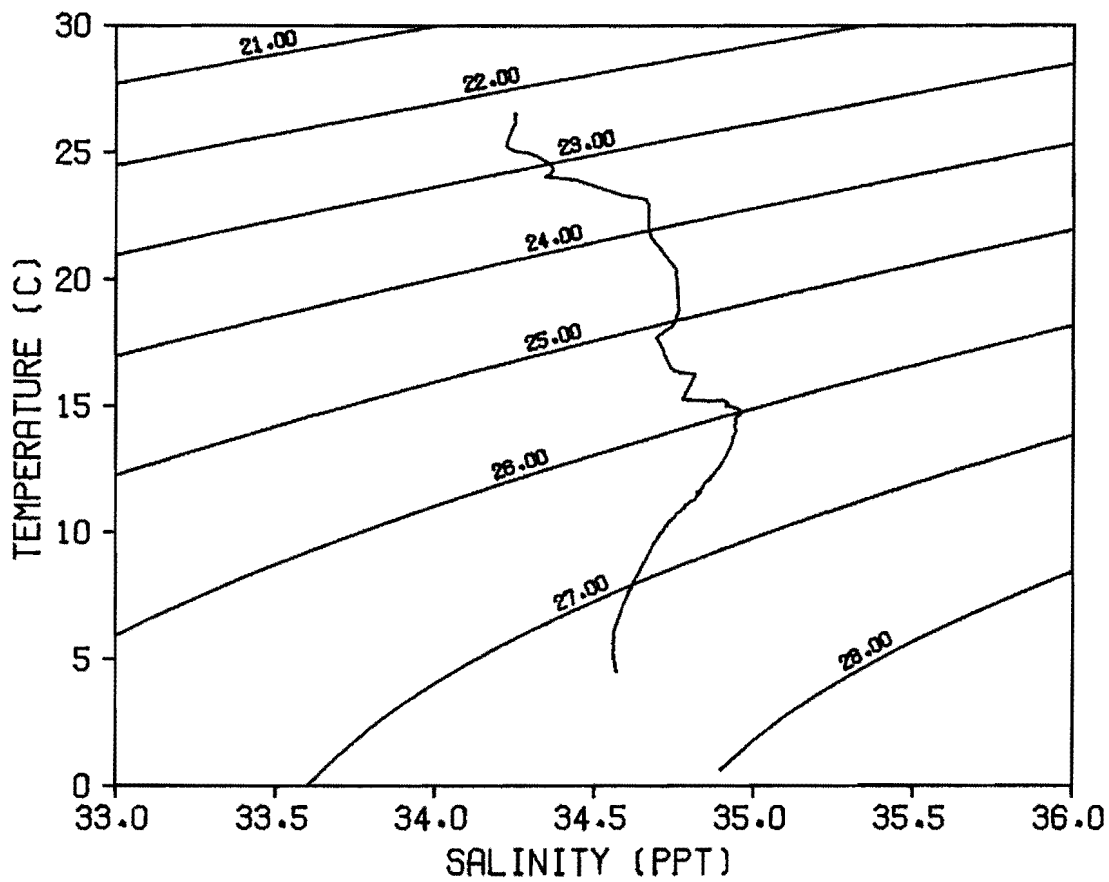


CAST EP6-79-JC-000 DATE 21 JUL 79 TIME 1733 GMT
 LAT 04 26.3N LONG 110 00.6W WEATHER 2 SEA STATE 4
 BAROMETER 12 WIND 180 T SPO 20 KT VISIBILITY 7
 CLOUD 8 AMOUNT 7 DRY 26.5 WET 23.8 DEPTH M

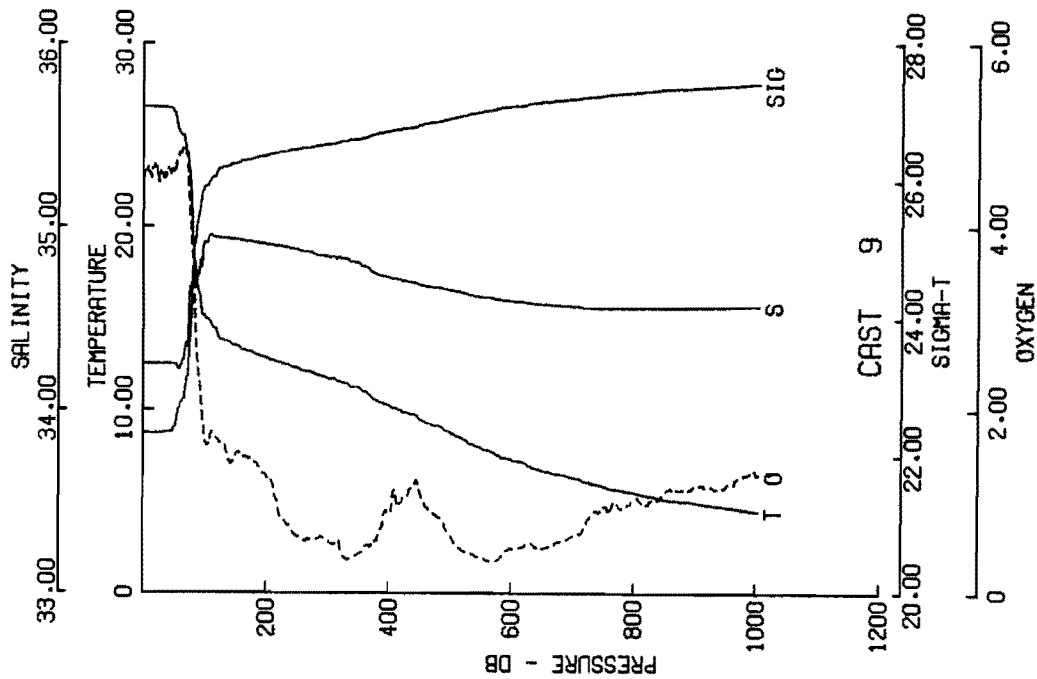
PRLS (DB)	TEMP (C)	SAL (PPT)	UXY (ML/L)	SIG-T	DELTA-D (DYN-H)
0	20.826	34.523	4.19	22.433	.000
2	20.815	34.522	4.15	22.436	.054
10	20.803	34.520	4.45	22.445	.108
20	20.803	34.529	4.54	22.447	.162
30	20.795	34.529	4.56	22.447	.217
50	20.776	34.523	4.51	22.452	.271
70	20.628	34.523	4.43	22.456	.325
80	20.502	34.521	4.29	22.534	.376
90	20.349	34.537	4.38	22.554	.432
100	20.202	34.710	4.39	22.594	.482
110	19.828	34.719	2.815	23.294	.520
120	17.119	34.719	2.815	23.294	.549
130	14.749	34.702	1.80	23.533	.574
140	12.057	34.688	1.29	23.730	.597
150	12.096	34.689	1.99	20.240	.614
160	12.173	34.712	1.54	20.350	.634
170	11.970	34.771	1.01	20.390	.652
180	11.894	34.805	1.06	20.435	.668
190	11.917	34.843	1.44	20.476	.684
200	11.762	34.832	1.07	20.501	.700
250	10.930	34.773	1.77	20.222	.716
300	9.513	34.694	1.56	20.630	.792
350	9.370	34.692	1.03	20.587	.835
400	8.941	34.665	.81	20.804	.904
500	8.357	34.643	.41	20.874	1.004
600	7.836	34.610	.31	20.959	1.069
650	6.526	34.584	.40	27.041	1.130
700	6.421	34.571	.67	27.122	1.188
750	6.077	34.564	.88	27.180	1.242
800	5.804	34.562	.68	27.220	1.341
850	5.497	34.562	1.08	27.277	1.433
900	5.357	34.563	1.19	27.305	1.498
950	5.091	34.565	1.08	27.341	1.521
1000	4.802	34.568	1.23	27.376	1.563
1009	4.520	34.568	1.40	27.409	1.603



CAST EP6-79-0C-009 DATE 22 OCT 79 TIME 0048 GMT
LAT 04 00.0N LONG 109 59.4W

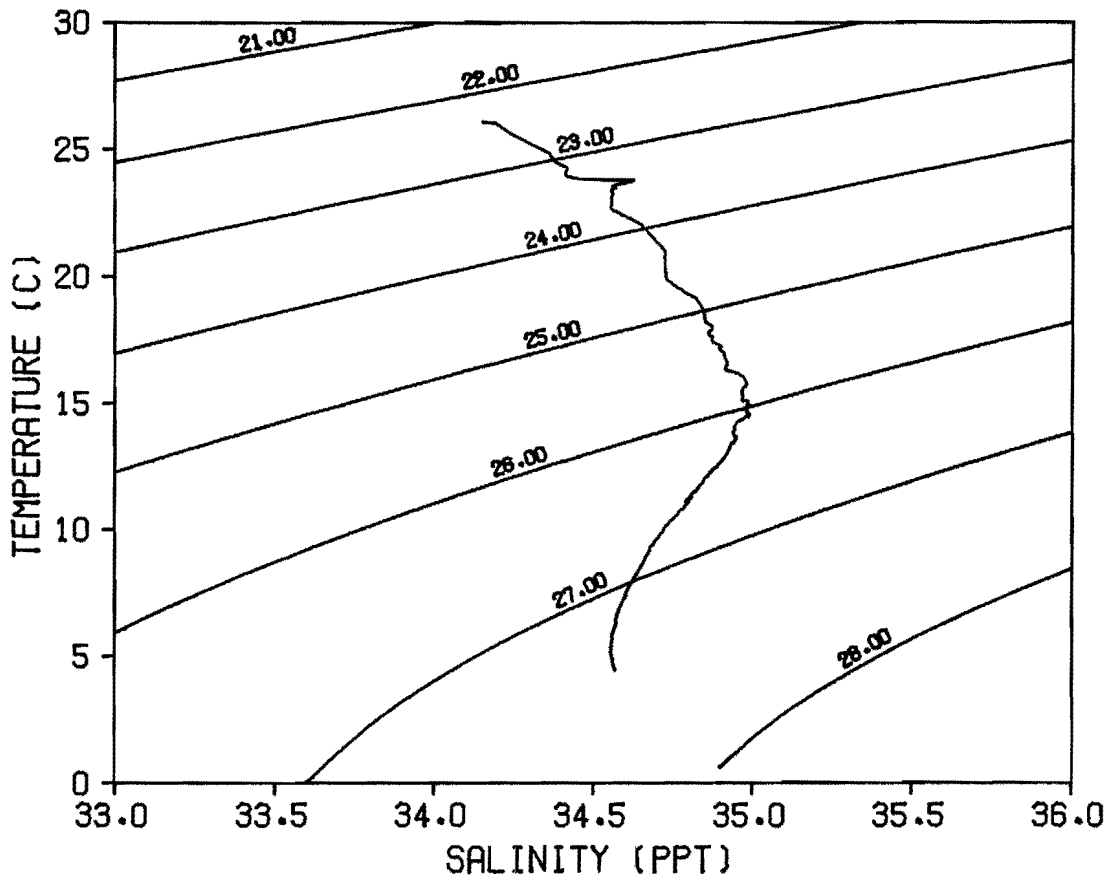


CAST 96-79-0C-009 DATE 22 OCT 79 TIME 0048 GMT
 LAT 34.0630N LONG 109.3944W WEATHER 2 VIS 5 STATE 4
 BAROMETER 30 WIND DIR 190 T SPD 20 KT WAVE HGT 7
 CLOUD 8 AMOUNT 7 MET DRY 25.0 MET WET 23.2 DEPTH M



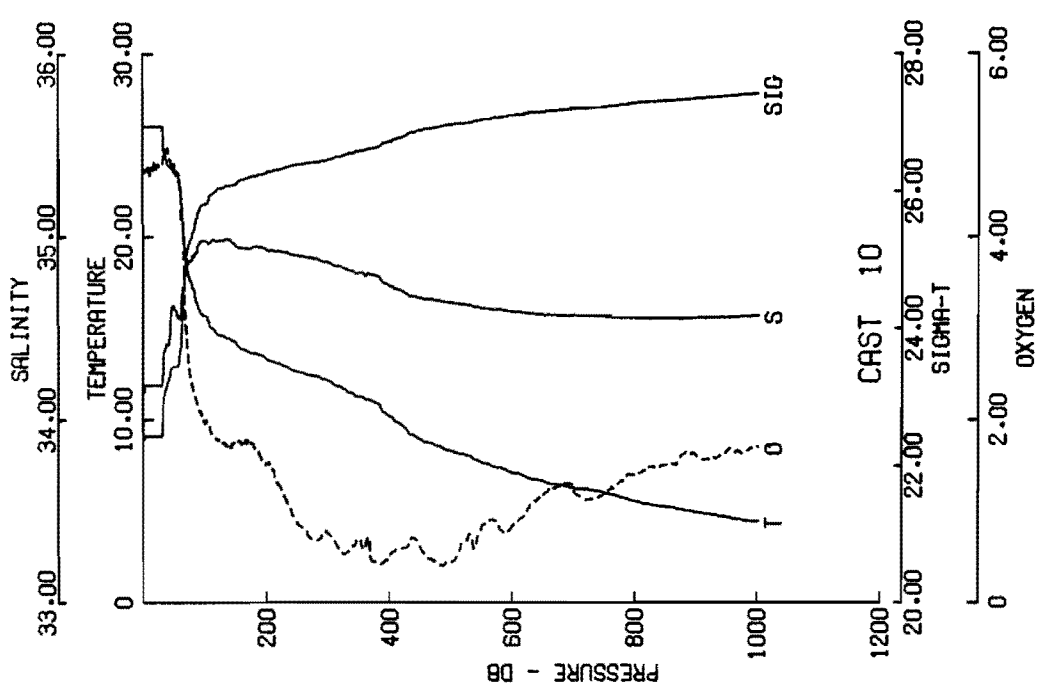
PRES (DB)	TEMP (C)	SAL (PPT)	DKY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.523	34.259	4.20	22.323	.000
2	26.524	34.259	4.20	22.323	.000
4	26.525	34.259	4.20	22.323	.055
10	26.522	34.259	4.20	22.323	.110
20	26.479	34.252	4.20	22.325	.166
30	26.474	34.252	4.20	22.338	.221
40	26.289	34.231	4.20	22.379	.276
50	26.128	34.236	4.20	22.374	.329
60	26.330	34.237	4.20	22.308	.380
70	26.472	34.235	4.20	22.479	.424
80	26.577	34.237	4.20	22.574	.453
100	15.127	34.238	1.67	22.598	.476
110	14.740	34.238	1.74	22.011	.517
120	14.216	34.234	1.68	26.115	.536
130	13.817	34.234	1.43	26.213	.555
140	13.520	34.232	1.20	26.248	.573
150	13.337	34.225	1.20	26.284	.591
170	13.224	34.222	1.43	26.304	.609
190	13.111	34.212	1.43	26.322	.627
200	12.761	34.212	1.24	26.354	.644
250	12.617	34.207	1.22	26.391	.661
300	12.317	34.207	1.22	26.451	.674
350	11.764	34.204	1.22	26.528	.686
400	11.230	34.203	1.42	26.500	.904
450	10.230	34.227	1.22	26.718	.978
500	9.768	34.287	1.22	26.810	.978
550	8.767	34.257	1.22	26.909	1.047
600	7.299	34.299	1.22	27.003	1.112
650	6.707	34.361	1.22	27.081	1.172
700	6.331	34.371	1.22	27.150	1.228
750	5.879	34.356	1.22	27.192	1.281
800	5.322	34.356	1.22	27.242	1.379
850	4.739	34.356	1.01	27.287	1.425
900	4.139	34.356	1.08	27.333	1.468
950	4.727	34.356	1.17	27.385	1.510
1000	4.486	34.372	1.30	27.416	1.591
1050					
1100					
1200					

CAST EP6-79-0C-010 DATE 22 OCT 79 TIME 0736 GMT
LAT 03 02.9N LONG 110 01.9W

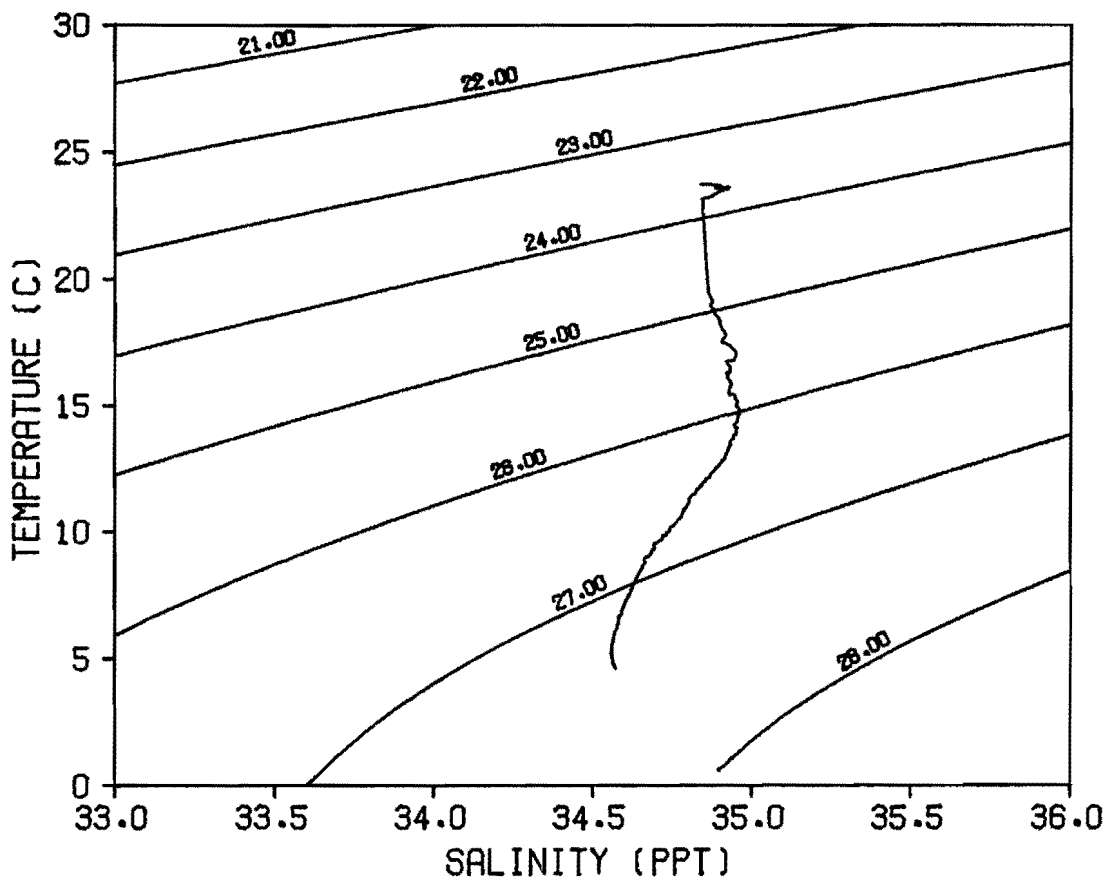


CAST 10 01.94 UC-010 DATE 22 OCT 79 TIME 0736 GMT
 LAT 03 52.9N LUNG DIR 200 T WEATHER 2 SEA STATE 4
 BAROMETER 14 WIND DIR 200 T SPO 20 KT VISIBILITY 8
 CLOUD X AMOUNT 0 DAY 24.0 WET 21.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	JAY (ML/L)	SLG-T	DELTA-D (DYN-M)
0	20.097	34.1140	4.72	22.395	.000
5	20.077	34.1124	4.71	22.391	.054
10	20.033	34.1184	4.70	22.431	.109
20	20.035	34.1190	4.78	22.431	.163
30	20.042	34.1190	4.77	22.429	.213
40	20.043	34.1190	4.75	23.170	.259
50	23.756	34.1200	4.73	23.449	.303
60	23.068	34.1558	4.59	23.538	.340
70	17.035	34.1826	3.03	24.097	.393
80	16.167	34.1873	2.40	25.009	.416
90	15.724	34.1923	1.97	25.009	.438
100	15.102	34.1971	1.89	25.944	.458
110	14.758	34.1971	1.80	26.026	.478
120	14.644	34.1982	1.77	26.053	.498
130	14.497	34.1990	1.77	26.099	.518
140	14.325	34.1960	1.77	26.175	.537
150	13.920	34.1942	1.74	26.198	.556
160	13.803	34.1938	1.72	26.227	.575
170	13.699	34.1947	1.72	26.279	.593
180	13.592	34.1948	1.69	26.340	.611
190	12.410	34.1902	1.69	26.401	.630
200	12.214	34.1865	1.77	26.500	.649
300	11.289	34.1737	1.63	26.725	.863
400	10.900	34.1660	1.49	26.893	.937
500	9.327	34.1612	1.42	26.903	1.004
600	7.702	34.1612	1.42	27.034	1.066
700	7.123	34.1593	1.42	27.149	1.124
800	6.686	34.1572	1.18	27.149	1.179
900	6.039	34.1572	1.25	27.149	1.231
1000	5.585	34.1561	1.16	27.149	1.281
1100	5.273	34.1561	1.41	27.270	1.326
1200	4.903	34.1557	1.51	27.313	1.370
1300	4.728	34.1563	1.02	27.349	1.420
1400	4.479	34.1570	1.05	27.381	1.463
1500	4.477	34.1570	1.71	27.414	1.504
1600			1.71	27.415	1.544

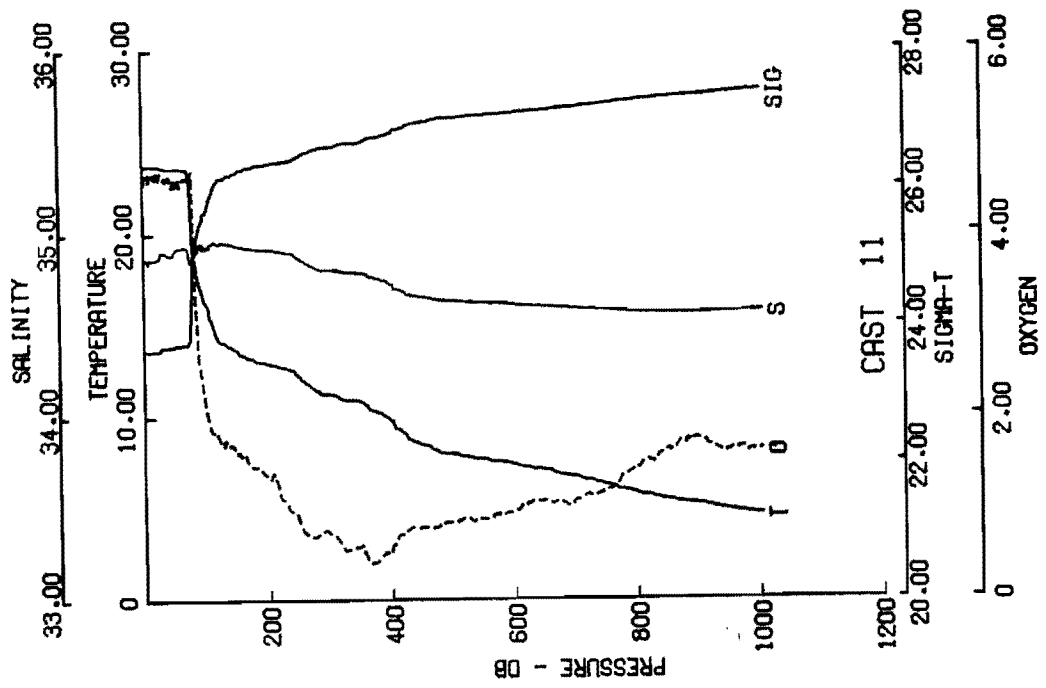


CAST EP6-79-0C-011 DATE 22 OCT 79 TIME 1455 GMT
LAT 02 00.ON LONG 110 00.0W

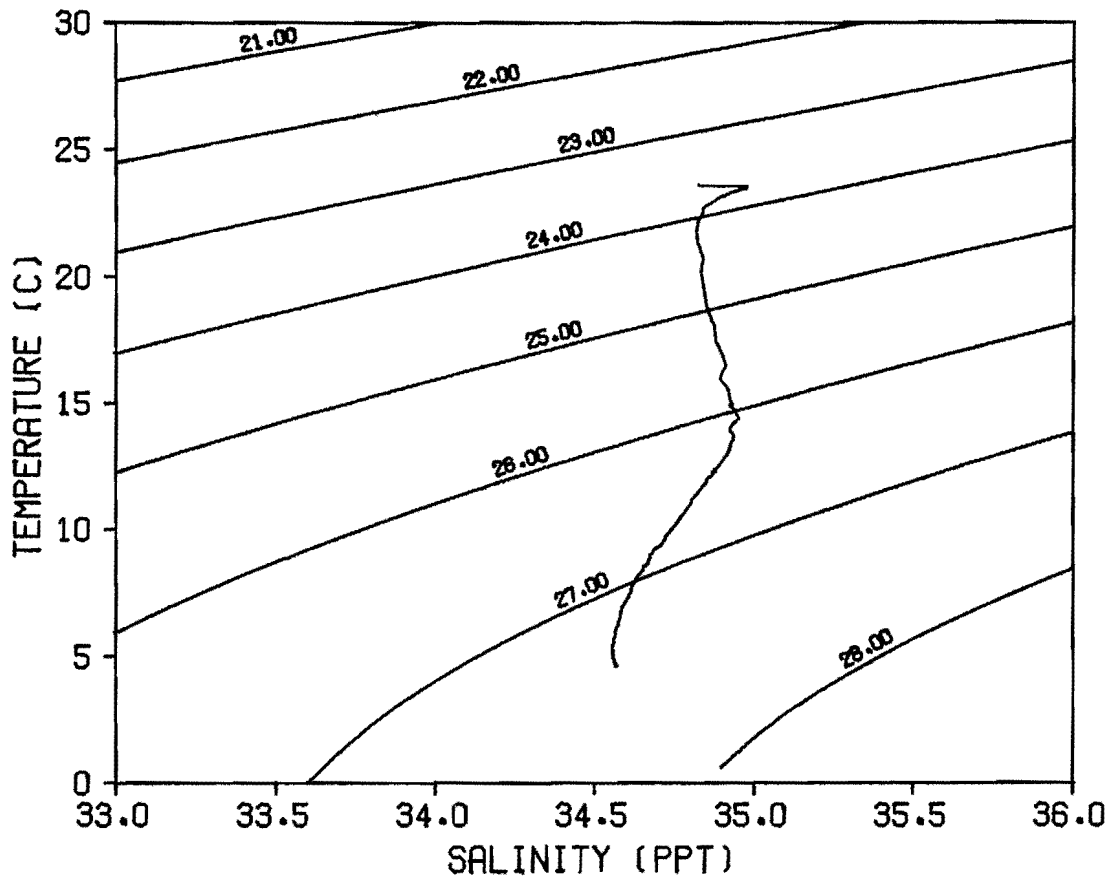


EP6-79-OC-011 DATE 22 OCT 79 TIME 1455 GMT
 CAST 02 00 ON LONG 110 00.0W WEATHER 1 SEA STATE 4
 BAROMETER 14 WIND DIR 170 T SPD 14 KT VISIBILITY 7
 CLOUD 8 AMOUNT 4 WIND DRY 24.3 MET 22.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (APPT)	DAY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	723	34.861	4.52	23.636	.000
10	724	34.860	4.56	23.635	.043
20	725	34.862	4.57	23.635	.085
30	724	34.862	4.57	23.635	.170
40	648	34.887	4.58	23.689	.255
50	584	34.906	4.59	23.707	.267
60	562	34.925	4.53	23.722	.336
70	569	34.935	4.52	23.903	.389
80	570	34.935	4.52	23.903	.412
90	270	34.922	2.18	25.643	.432
100	269	34.954	1.17	25.919	.451
110	158	34.954	1.17	26.105	.470
120	141	34.955	1.17	26.148	.488
130	107	34.955	1.17	26.224	.506
140	82	34.940	1.01	26.279	.524
150	67	34.934	1.01	26.342	.556
160	15	34.922	1.05	26.354	.577
170	12	34.918	1.05	26.460	.620
180	12	34.918	1.05	26.597	.642
190	9	34.914	1.05	26.786	.615
200	9	34.914	1.05	26.947	.648
250	2	34.872	1.05	27.040	.948
300	2	34.806	1.05	27.076	1.063
350	2	34.721	1.05	27.157	1.172
400	2	34.632	1.05	27.255	1.273
450	2	34.508	1.05	27.301	1.321
500	2	34.383	1.05	27.351	1.366
550	2	34.249	1.05	27.368	1.410
600	2	34.117	1.05	27.368	1.452
650	2	34.000	1.05	27.368	1.492
700	2	34.000	1.05	27.401	1.492
750	2	34.000	1.05	27.401	1.492
800	2	34.000	1.05	27.401	1.492
850	2	34.000	1.05	27.401	1.492
900	2	34.000	1.05	27.401	1.492
950	2	34.000	1.05	27.401	1.492
1000	2	34.000	1.05	27.401	1.492

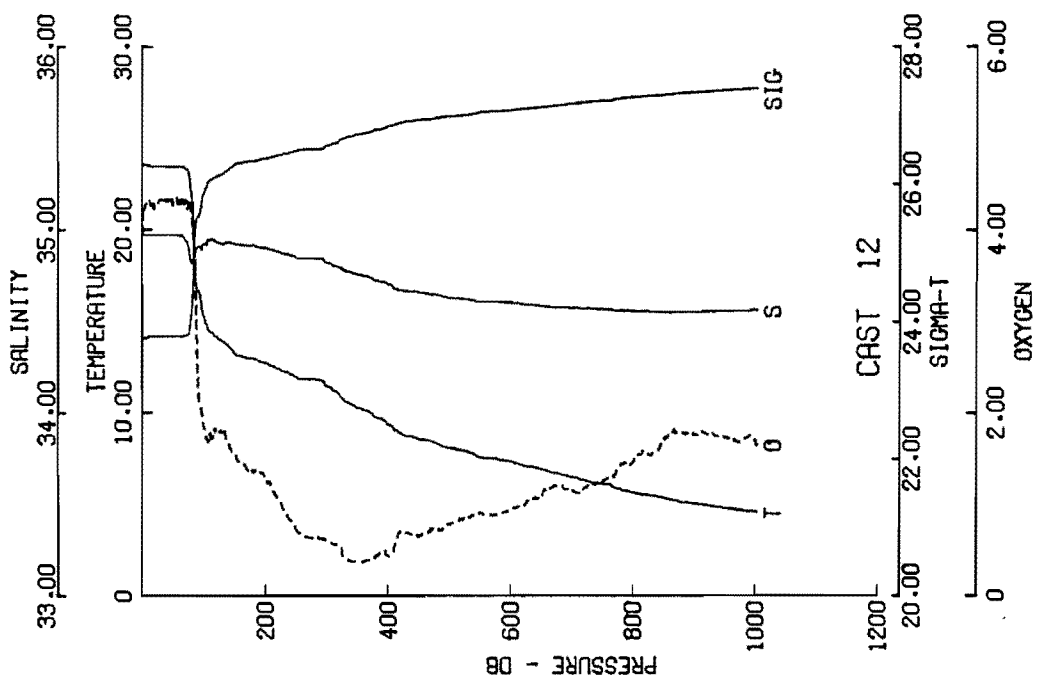


CAST EP6-79-0C-012 DATE 22 OCT 79 TIME 1912 GMT
LAT 01 33.3N LONG 109 59.1W

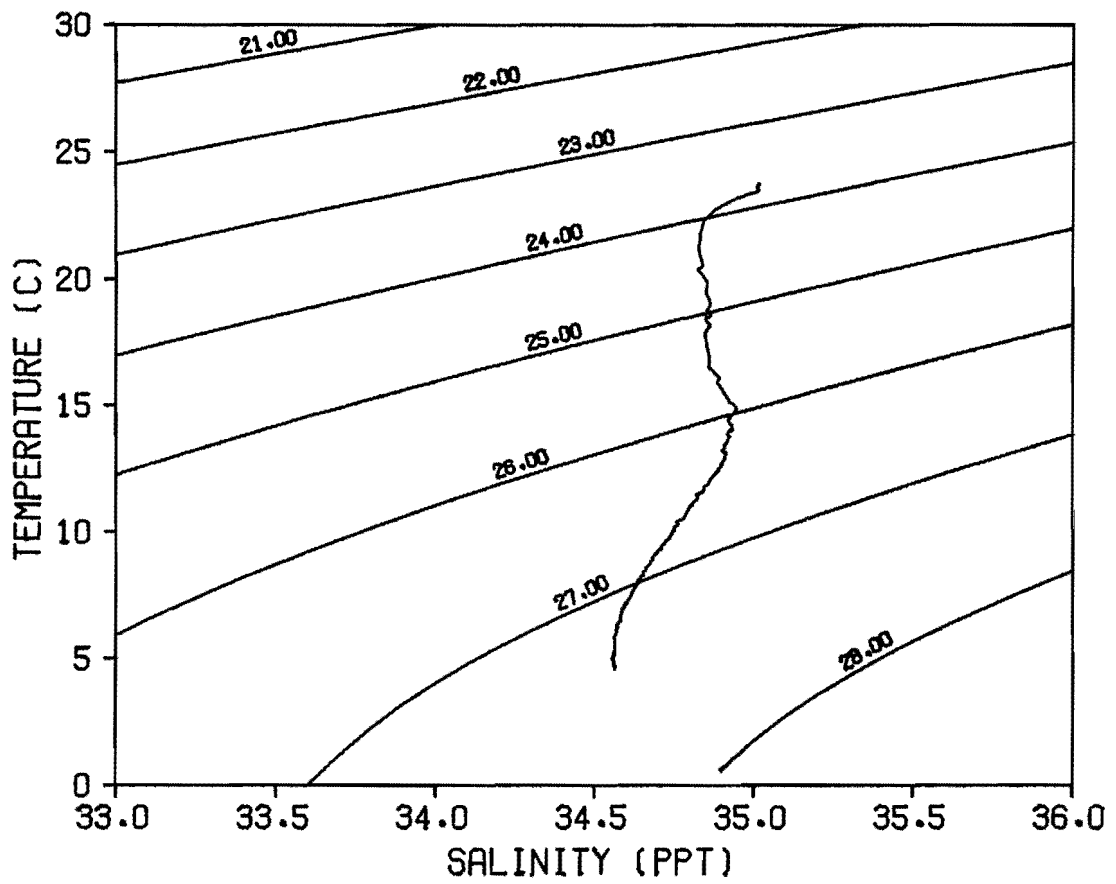


CAST EP6-79-0C-012 DATE 22 OCT 79 TIME 1912 GMT
 LAT 01 33.3N LONG 109 59.1W WEATHER 2 VIS 18 STATE 3
 BAROMETER 14 WIND DIR 160 T SPD 16 KT VISIBLITY 8
 CLOUD 6 AMOUNT 7 DRY 25.3 WET 21.2 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	566	34.973	3.96	23.766	.000
10	566	34.971	3.81	23.766	.041
20	518	34.975	4.30	23.782	.083
30	487	34.977	4.32	23.793	.125
40	482	34.976	4.32	23.794	.167
50	482	34.973	4.30	23.794	.208
60	472	34.951	4.30	23.801	.248
70	392	34.825	4.21	23.801	.289
80	174	34.904	4.15	23.801	.330
90	79	34.927	4.15	23.801	.371
100	358	34.941	4.15	23.801	.385
110	277	34.926	4.15	23.801	.406
120	277	34.926	4.15	23.801	.425
130	277	34.926	4.15	23.801	.445
140	277	34.926	4.15	23.801	.464
150	277	34.926	4.15	23.801	.482
160	277	34.926	4.15	23.801	.501
170	277	34.926	4.15	23.801	.517
180	277	34.926	4.15	23.801	.535
190	277	34.926	4.15	23.801	.552
200	277	34.926	4.15	23.801	.569
250	277	34.926	4.15	23.801	.587
300	277	34.926	4.15	23.801	.605
350	277	34.926	4.15	23.801	.623
400	277	34.926	4.15	23.801	.641
450	277	34.926	4.15	23.801	.659
500	277	34.926	4.15	23.801	.677
550	277	34.926	4.15	23.801	.695
600	277	34.926	4.15	23.801	.713
650	277	34.926	4.15	23.801	.731
700	277	34.926	4.15	23.801	.749
750	277	34.926	4.15	23.801	.767
800	277	34.926	4.15	23.801	.785
850	277	34.926	4.15	23.801	.803
900	277	34.926	4.15	23.801	.821
950	277	34.926	4.15	23.801	.839
1000	277	34.926	4.15	23.801	.857
1004	277	34.926	4.15	23.801	.875

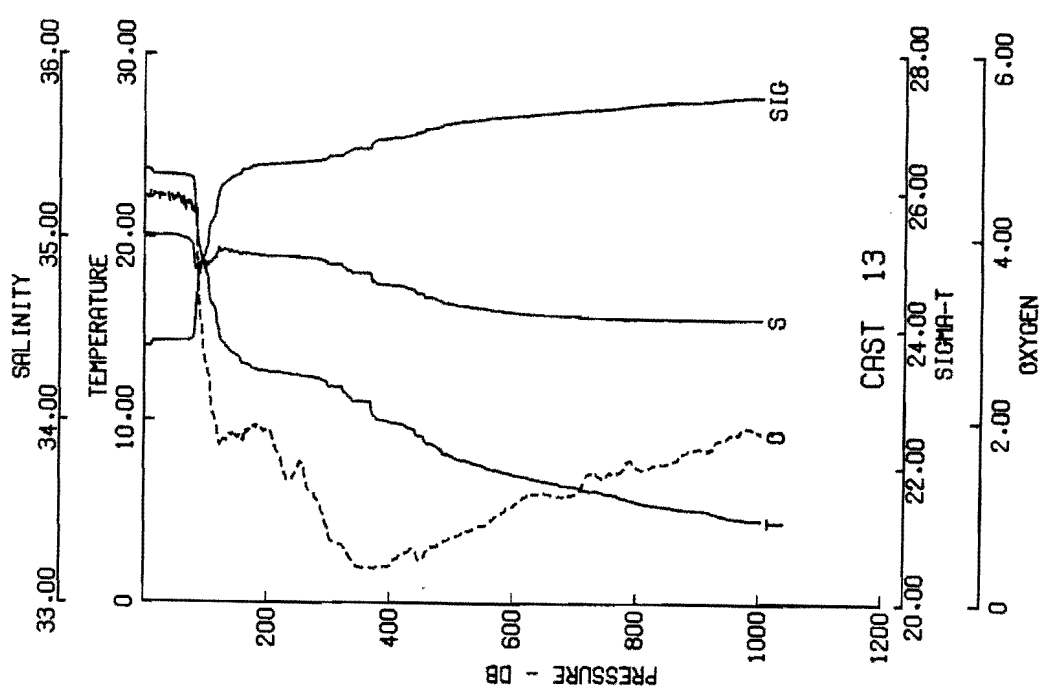


CAST EP6-79-0C-013 DATE 22 OCT 79 TIME 2333 GMT
LAT 00 59.4N LONG 110 00.6W

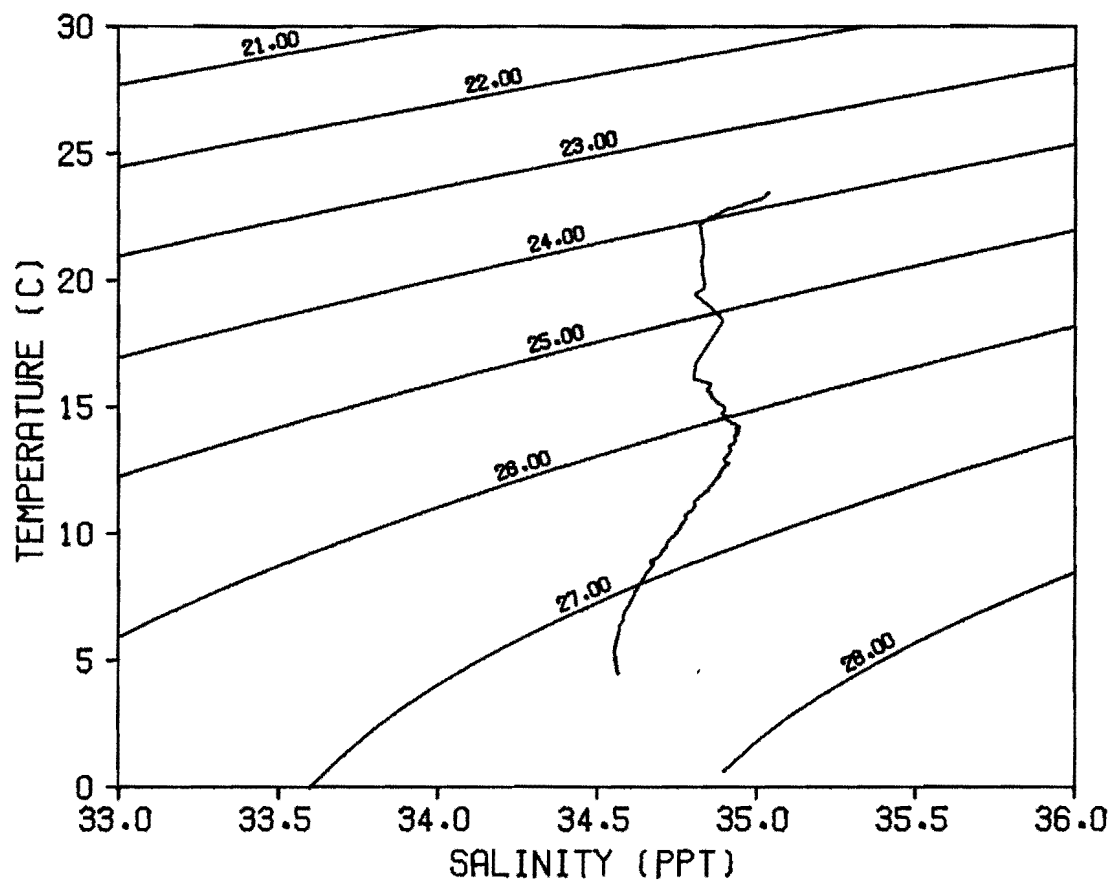


CAST EP6-79-JU-013 DATE 22 JUL 79 TIME 2333 GMT
 LAT 39.4N LONG 110 00.0W WEATHER 0 SEA STATE 5
 BAROMETER 12 WIND DIR 150 T SPD 17 KT VISIBILITY 7
 CLOUD A AMOUNT 0 DRY 23.2 WET 20.4 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	WAT (ML/L)	SIG-T	DELTA-D (DYN-M)
0	23.731	35.016	4.48	23.751	0.00
10	23.708	35.012	4.48	23.753	0.04
20	23.460	35.013	4.46	23.829	0.08
30	23.453	35.013	4.46	23.831	0.12
40	23.433	35.013	4.43	23.835	0.14
50	23.423	35.011	4.47	23.838	0.20
60	23.392	34.992	4.37	23.839	0.24
70	23.354	34.927	4.34	23.842	0.28
80	23.054	34.845	4.34	23.881	0.32
90	19.494	34.871	3.63	24.814	0.36
100	16.125	34.871	2.12	25.140	0.40
110	15.365	34.871	2.12	25.561	0.42
120	15.060	34.934	1.80	25.924	0.43
130	14.201	34.932	1.79	26.109	0.46
140	13.797	34.924	1.84	26.194	0.48
150	13.273	34.913	1.87	26.121	0.51
160	13.027	34.911	1.89	26.320	0.51
170	12.822	34.908	1.93	26.330	0.53
180	12.737	34.902	1.90	26.373	0.54
190	12.702	34.900	1.90	26.387	0.57
200	12.493	34.894	1.70	26.392	0.58
250	11.676	34.856	1.49	26.426	0.75
300	11.028	34.742	1.40	26.553	0.83
350	9.924	34.696	1.41	26.782	0.90
400	8.092	34.642	1.40	26.889	0.97
450	7.588	34.616	1.40	26.999	1.03
500	7.100	34.594	1.40	27.054	1.07
550	6.730	34.578	1.21	27.148	1.13
600	6.440	34.567	1.20	27.192	1.19
650	6.072	34.564	1.49	27.274	1.24
700	5.370	34.561	1.54	27.307	1.33
750	5.171	34.561	1.71	27.328	1.36
800	4.780	34.563	1.83	27.373	1.42
850	4.017	34.563	1.87	27.394	1.46
900					1.50
1000					
1003					

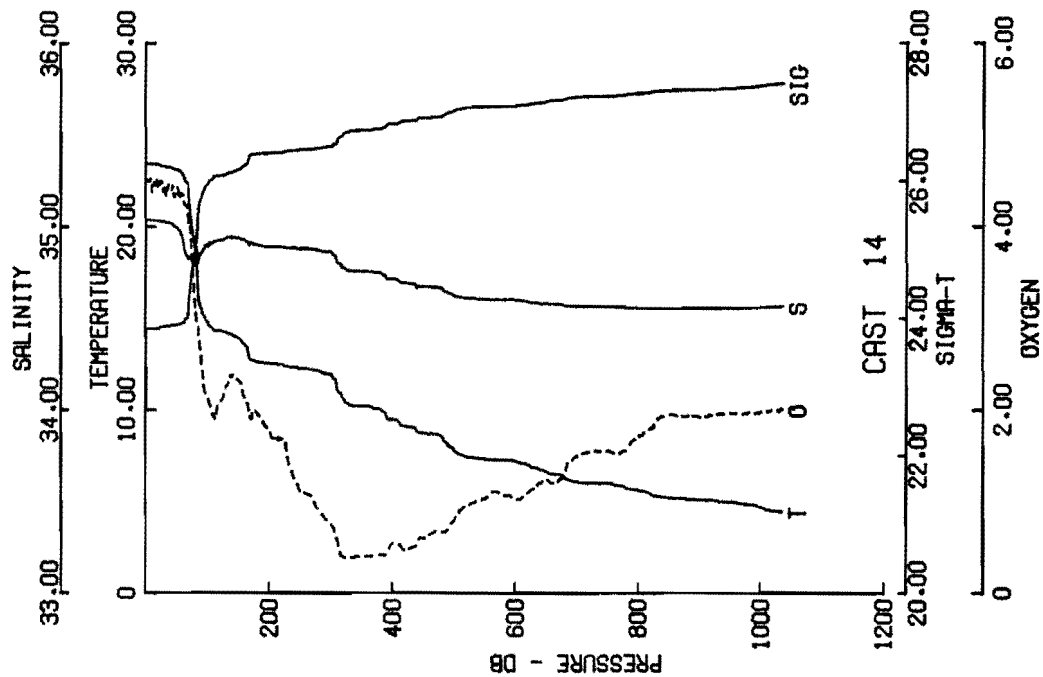


CAST EP6-79-0C-014 DATE 23 OCT 79 TIME 0339 GMT
LAT 00 30.0N LONG 110 00.0W

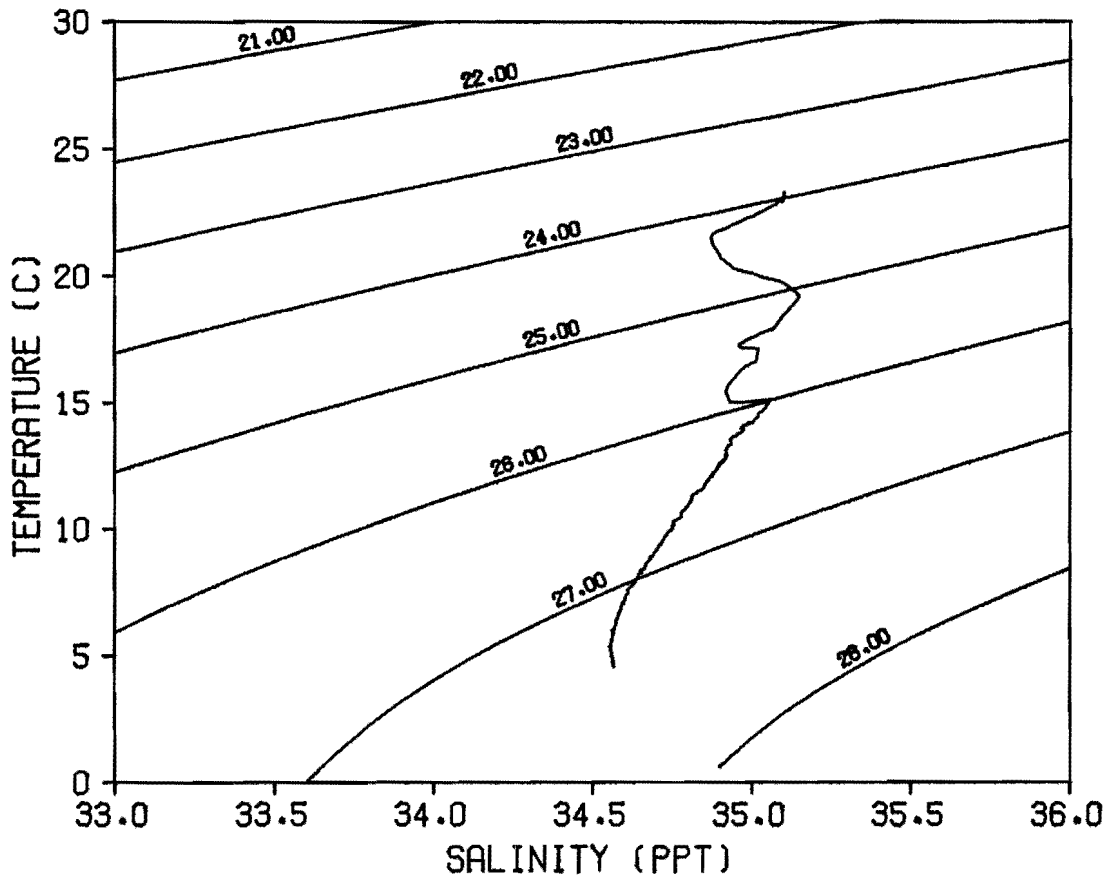


CAST EP6-79-02-C14 DATE 23 OCT 79 TIME 0339 GMT
 LAT 00 30.0N LONG 110 00.0W HEAHER 1 SEA STATE 3
 BAROMETER 11 WIND DIR 100 T SPY 14 KT VISIBILITY 7
 CLOUDS 6 AMOUNT 2 DRY 29.3 WET 20.4 DEPTH M

PKES (DB)	TEMP (C)	SAL (PPT)	DXY (ML/L)	SIG-T	DELTA-D
0	23.444	35.037	4.41	23.851	.000
10	23.435	35.037	4.44	23.856	.041
20	23.421	35.037	4.39	23.886	.061
30	23.304	35.029	4.41	23.917	.122
40	23.247	35.022	4.42	23.937	.162
50	23.144	35.000	4.36	23.937	.202
60	22.892	34.826	4.04	24.180	.243
70	21.732	34.823	3.14	24.919	.282
80	19.020	34.853	2.80	25.738	.316
90	15.868	34.904	2.15	25.744	.342
100	14.813	34.917	1.94	26.052	.384
110	14.320	34.926	1.87	26.079	.404
120	14.250	34.936	2.24	26.097	.424
130	14.257	34.945	2.40	26.129	.443
140	13.958	34.945	2.32	26.170	.462
150	13.815	34.933	2.14	26.233	.481
160	13.797	34.915	1.91	26.385	.499
170	12.683	34.904	1.97	26.404	.518
180	12.601	34.889	1.87	26.412	.536
190	12.570	34.884	1.75	26.415	.554
200	12.573	34.884	1.71	26.460	.572
250	11.029	34.884	1.75	26.507	.632
300	9.729	34.884	1.75	26.544	.714
350	8.759	34.884	1.75	26.585	.786
400	7.722	34.884	1.75	26.623	.854
450	7.522	34.884	1.75	26.682	.918
500	7.341	34.884	1.75	27.082	.978
550	7.274	34.884	1.75	27.082	1.032
600	6.674	34.884	1.75	27.082	1.086
650	6.086	34.884	1.75	27.156	1.138
700	5.001	34.884	1.75	27.221	1.187
750	5.001	34.884	1.75	27.271	1.235
800	5.001	34.884	1.75	27.271	1.281
850	5.001	34.884	1.75	27.271	1.325
900	5.001	34.884	1.75	27.334	1.368
950	5.001	34.884	1.75	27.334	1.411
1000	4.702	34.884	1.75	27.349	1.452
1035	4.468	34.884	2.01	27.414	1.495

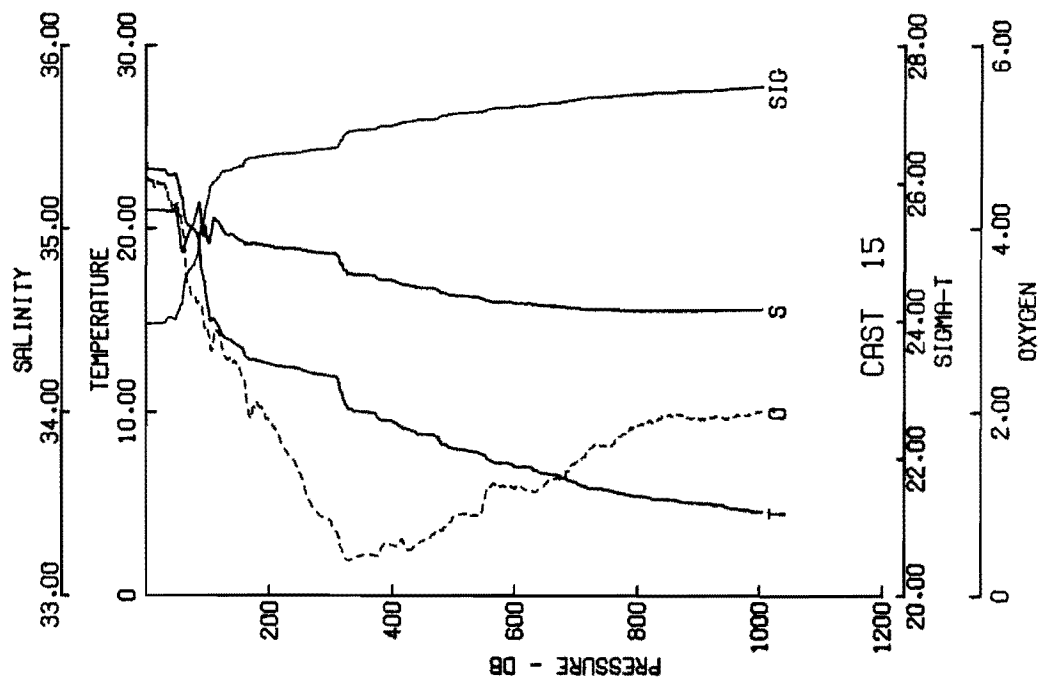


CAST EP6-79-0C-015 DATE 23 OCT 79 TIME 0813 GMT
LAT 0 01.8S LONG 110 00.3W

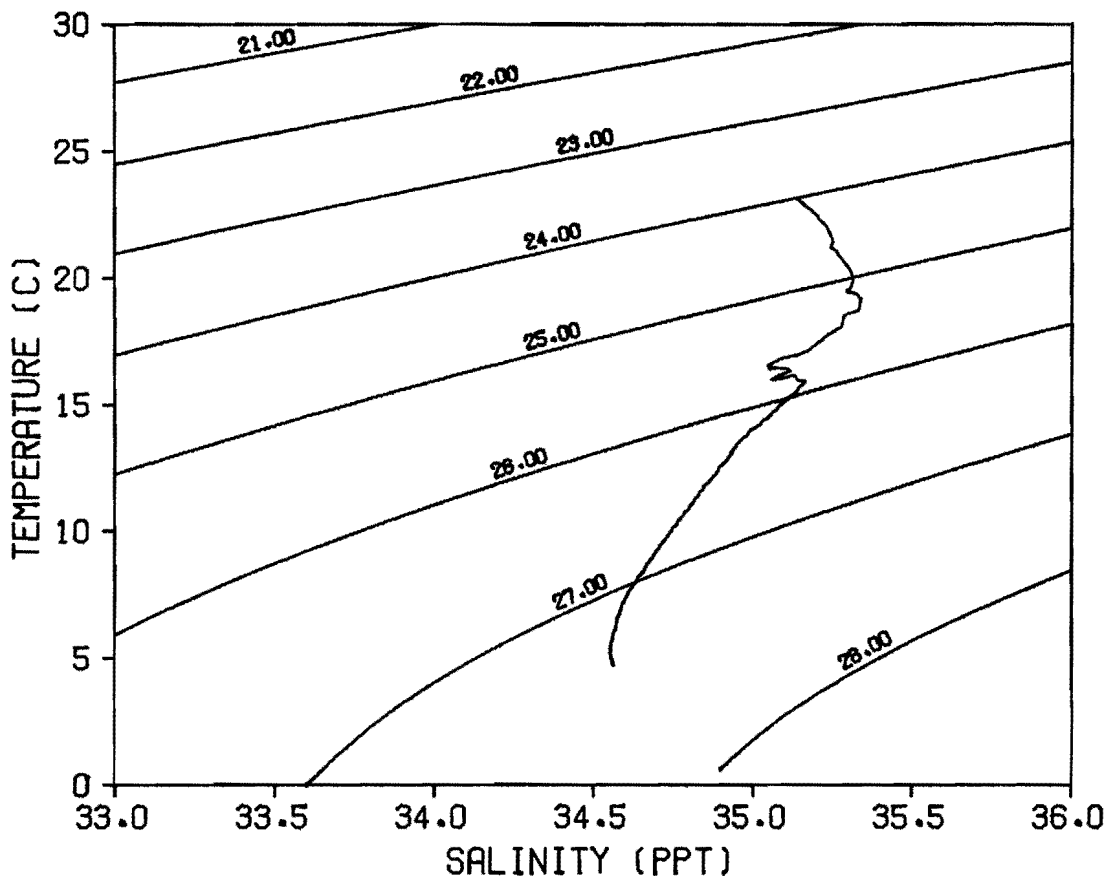


CAST EPD-79-0C-015 DATE 23 OCT 79 TIME 0813 GMT
 LAT 0 01.65 LONG 110 00.3W WEATHER 1 SEA STATE 3
 BAROMETER 13 WIND DIR 100 T SPD 17 KT VISIBILITY 8
 CLOUDS 8 AMOUNT 1 DRY 23.2 WET 21.0 DEPTH H

PRES (DB)	TEMP (C)	SAL (PPT)	UXY (ML/L)	SIG-T	DELTA-T (DYN-M)
0	23.268	35.102	4.881	23.924	.000
1	23.268	35.102	4.881	23.924	.040
10	23.225	35.101	4.449	23.954	.079
20	23.225	35.103	4.450	23.984	.119
30	23.218	35.103	4.449	24.007	.158
40	23.219	35.105	4.316	24.044	.197
50	23.209	35.079	3.266	24.068	.235
60	21.543	34.877	3.971	24.717	.301
80	19.880	35.068	3.269	24.856	.331
90	17.905	35.068	3.219	25.304	.356
100	15.982	35.061	2.768	25.760	.377
110	14.554	35.024	2.864	26.102	.417
120	14.038	34.973	2.603	26.173	.435
130	13.887	34.973	2.551	26.207	.454
140	13.626	34.923	2.509	26.308	.472
150	13.203	34.919	2.393	26.367	.480
160	12.903	34.920	2.100	26.380	.506
180	12.749	34.910	2.021	26.394	.523
200	12.681	34.893	1.911	26.404	.540
300	12.397	34.866	1.322	26.447	.624
350	11.972	34.850	1.82	26.508	.705
400	11.040	34.720	.43	26.709	.778
450	9.537	34.679	.55	26.850	.845
500	8.806	34.641	.80	26.918	.908
550	8.040	34.620	.65	27.006	.969
600	7.081	34.596	4.003	27.042	1.079
620	6.688	34.572	4.162	27.110	1.131
650	6.199	34.572	1.222	27.150	1.181
700	5.807	34.564	1.64	27.210	1.227
750	5.447	34.559	1.85	27.253	1.273
800	5.258	34.556	1.85	27.314	1.317
850	5.070	34.560	1.94	27.370	1.359
900	4.826	34.563	1.94	27.396	1.401
950	4.602	34.563	2.01	27.442	1.442
1000	4.572	34.566	2.01	27.494	1.484
1050				27.539	1.526
1100				27.584	1.568
1150				27.629	1.610
1200				27.674	1.652

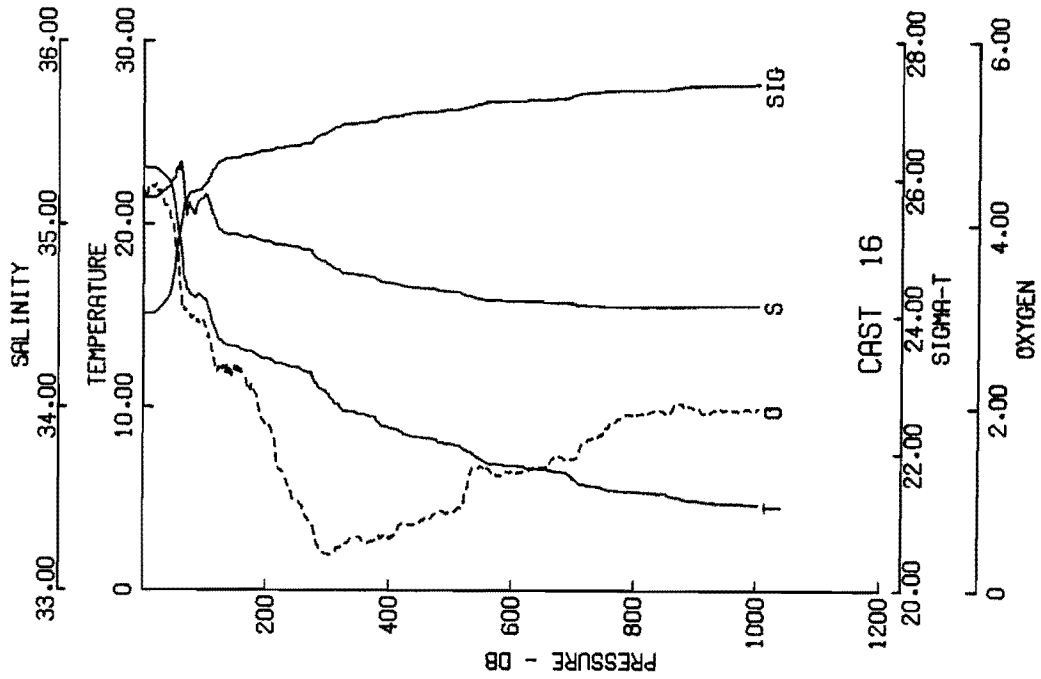


CAST EP6-79-0C-016 DATE 23 OCT 79 TIME 1210 GMT
LAT 0 30.5S LONG 110 00.6W

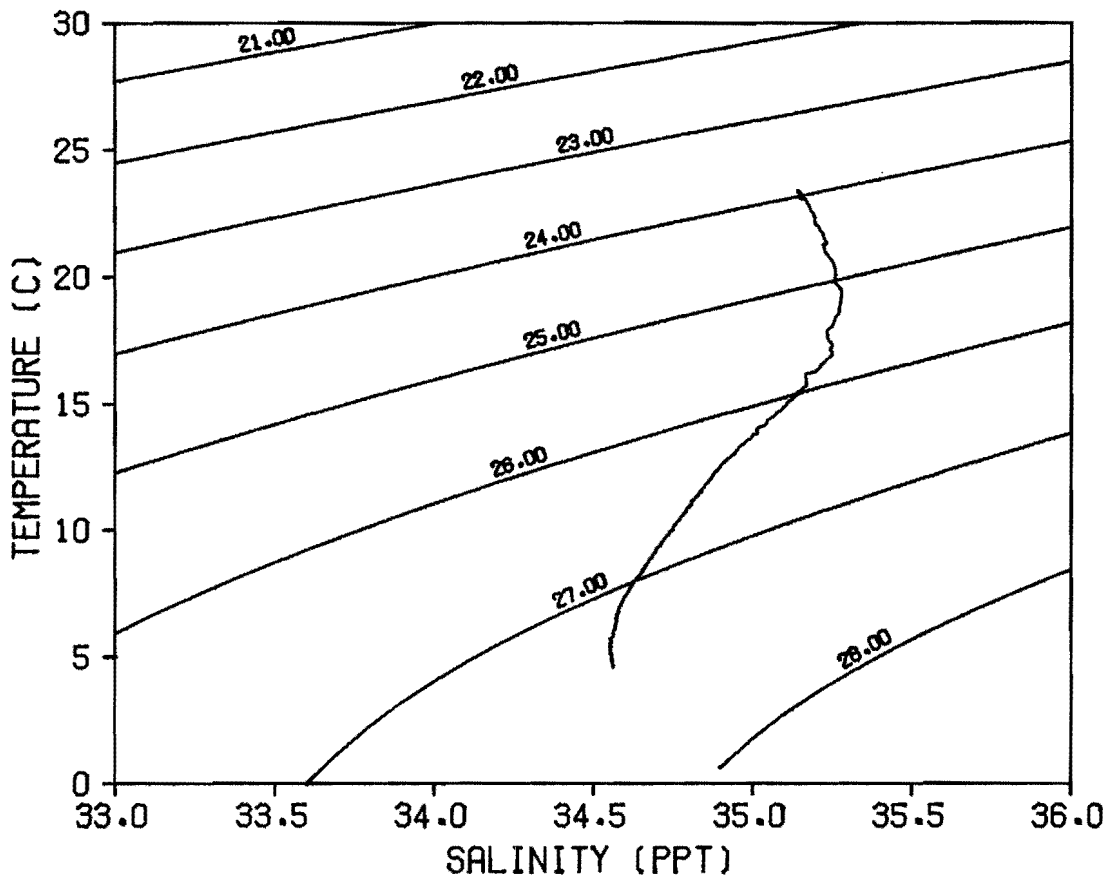


CAST EP6-79-UC-016 DATE 23 JUN 79 TIME 1210 GMT
 LAT 0 30.55 LONG 110 00.04 HEATHER 1 SEA STATE 3
 BAROMETER 23 WIND DIR 150 T SPU 13 ST VISIBILITY 7
 CLOUD X AMOUNT 2 DRY 22.6 WET 20.5 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-T (DYN-M)
0	23.114	35.144	4.37	24.028	.000
10	23.091	35.146	4.40	24.036	.099
20	22.943	35.171	4.43	24.053	.078
30	22.793	35.202	4.32	24.141	.116
40	22.489	35.242	4.20	24.251	.154
50	21.921	35.236	3.95	24.349	.189
60	17.210	35.078	3.07	25.242	.220
70	16.559	35.049	3.00	25.673	.245
80	16.143	35.124	2.93	25.826	.268
90	15.934	35.162	2.90	25.904	.290
100	14.982	35.085	2.70	26.028	.312
110	13.973	34.980	2.59	26.202	.321
120	13.541	34.927	2.45	26.267	.370
130	13.369	34.946	2.43	26.294	.387
140	13.338	34.947	2.44	26.304	.405
150	13.152	34.936	2.39	26.340	.423
160	13.087	34.932	2.23	26.341	.440
170	12.976	34.923	2.13	26.360	.438
180	12.748	34.913	2.04	26.393	.475
190	12.694	34.910	1.98	26.403	.492
200	12.694	34.890	1.94	26.476	.574
250	10.872	34.726	.58	26.812	.651
300	8.913	34.684	.58	26.907	.716
350	8.311	34.638	.58	26.967	.784
400	8.014	34.638	.88	27.006	.844
450	7.180	34.598	1.30	27.097	.902
500	6.830	34.584	1.35	27.135	.958
550	6.629	34.581	1.44	27.156	1.010
600	6.150	34.569	1.74	27.244	1.061
650	5.594	34.557	1.94	27.275	1.117
700	5.418	34.534	1.95	27.294	1.167
750	5.332	34.525	2.00	27.305	1.202
800	4.944	34.526	1.98	27.351	1.248
850	4.787	34.561	1.98	27.373	1.288
900	4.709	34.563	1.99	27.383	1.329
950	4.701		1.99	27.384	1.370
1000					
1050					
1100					
1150					
1200					

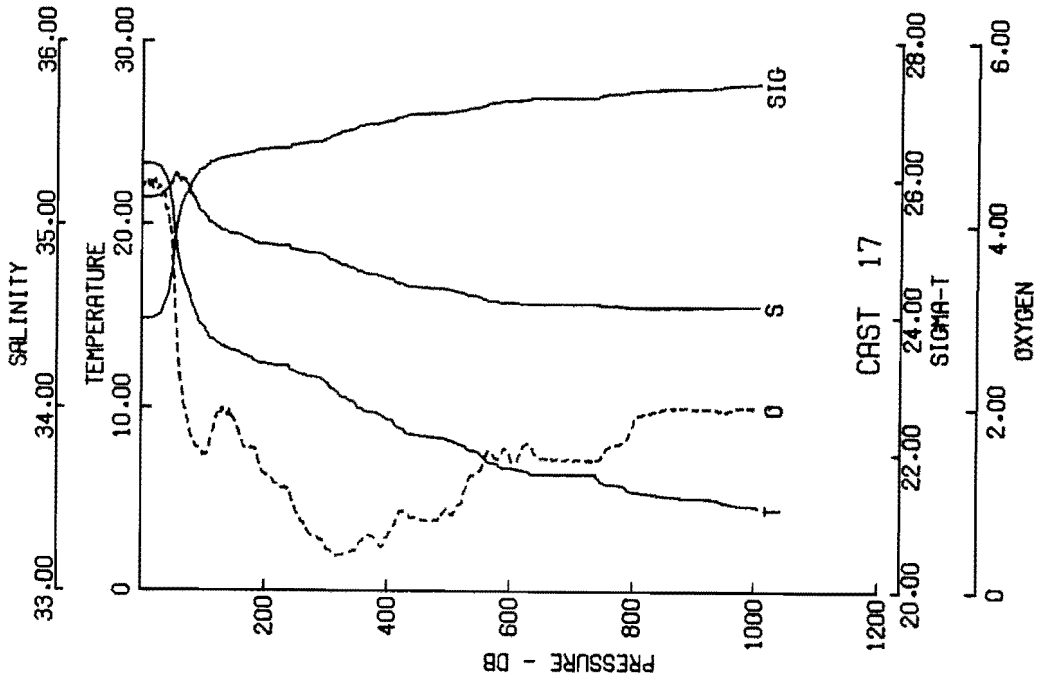


CAST EP6-79-0C-017 DATE 23 OCT 79 TIME 1618 GMT
LAT 1 00.9S LONG 110 01.9W

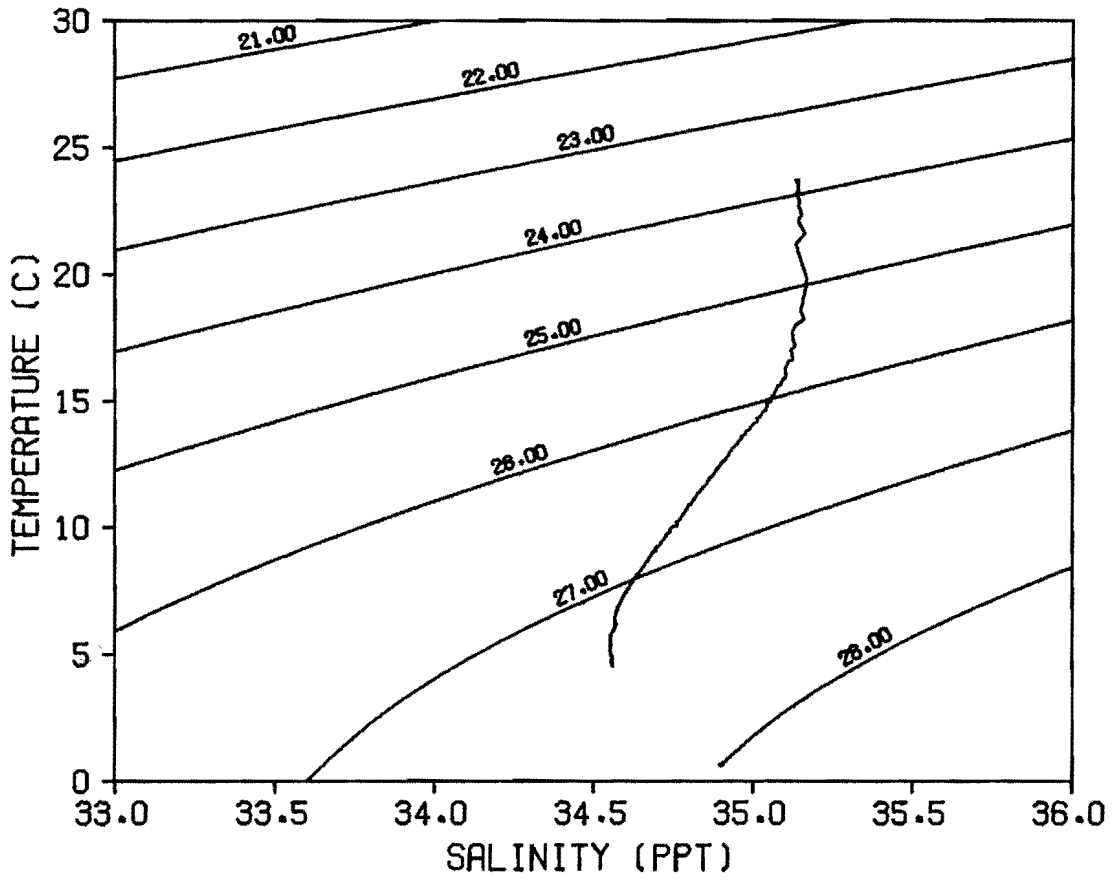


CAST EP6-79-UC-017 DATE 23 OCT 79 TIME 1016 GMT
 LAT 1 30.9S LONG 110 01.9W WEATHER 1 SEA STATE 4
 BAROMETER 13 WIND DIR 170 T SPU 15 KT VISIBILITY 7
 CLOUDS 8 AMOUNT 2 DRY 24.3 WET 21.6 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	DX (ML/L)	SIG-T	DELTA-0 (DYN-M)
1	13.350	35.145	4.42	23.900	.000
10	13.331	35.148	4.50	23.900	.040
20	13.298	35.148	4.44	23.978	.079
30	13.150	35.157	4.43	24.027	.116
40	12.915	35.170	4.15	24.235	.138
50	12.646	35.227	3.95	24.474	.192
60	12.314	35.250	3.95	24.639	.220
70	12.065	35.246	2.01	24.751	.244
80	12.501	35.156	1.75	24.716	.266
90	15.084	35.115	1.57	24.059	.287
100	14.504	35.068	1.49	24.140	.306
110	13.873	34.916	1.27	24.272	.325
120	13.613	34.997	1.40	24.272	.343
130	13.276	34.971	1.92	24.304	.361
140	13.154	34.960	1.89	24.323	.378
150	13.062	34.947	1.70	24.342	.396
160	12.933	34.932	1.50	24.370	.413
170	12.914	34.914	1.56	24.370	.427
180	12.510	34.900	1.43	24.430	.444
190	12.607	34.898	1.50	24.437	.460
200	11.986	34.866	1.89	24.506	.480
250	11.400	34.833	.49	24.517	.560
300	10.140	34.754	.42	24.755	.779
350	9.416	34.711	.29	24.644	.841
400	8.247	34.694	.79	24.977	.901
450	7.559	34.610	.69	24.973	.958
500	6.744	34.550	1.32	27.023	1.011
550	6.402	34.527	1.46	27.144	1.061
600	6.405	34.574	1.44	27.184	1.110
650	5.937	34.564	1.48	27.230	1.160
700	5.487	34.554	1.89	27.206	1.206
750	5.222	34.523	1.99	27.312	1.250
800	4.879	34.560	1.90	27.350	1.293
850	4.871	34.563	1.97	27.362	1.336
900	4.610	34.562	2.01	27.388	1.377
950					
1000					
1050					
1100					
1150					
1200					

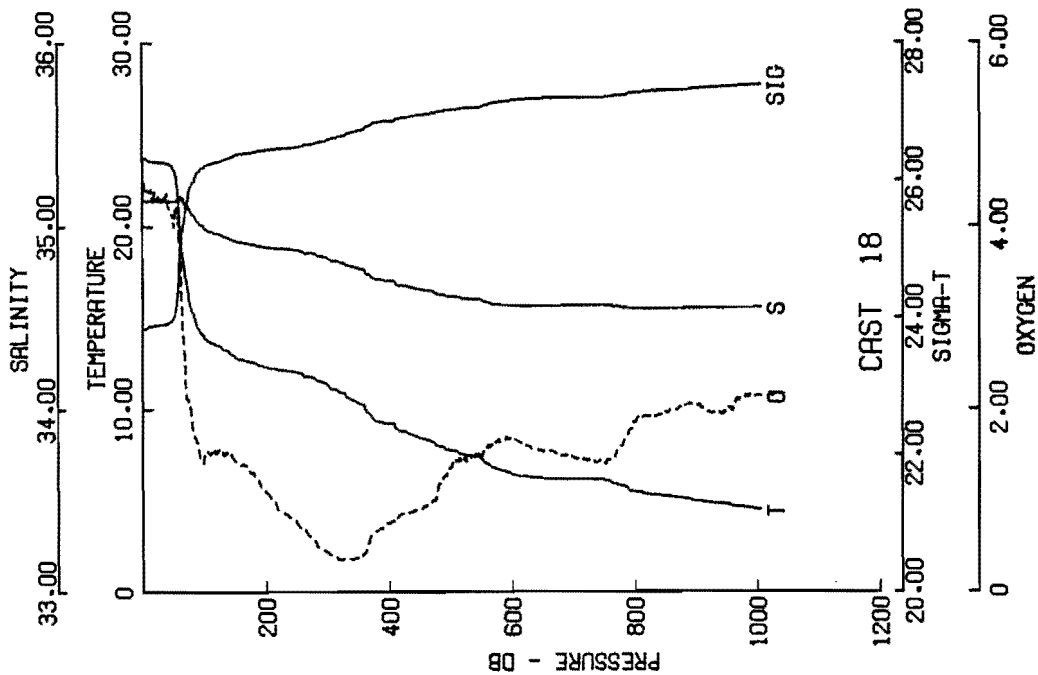


CAST EP6-79-0C-018 DATE 23 OCT 79 TIME 2037 GMT
LAT 1 30.9S LONG 110 00.4W

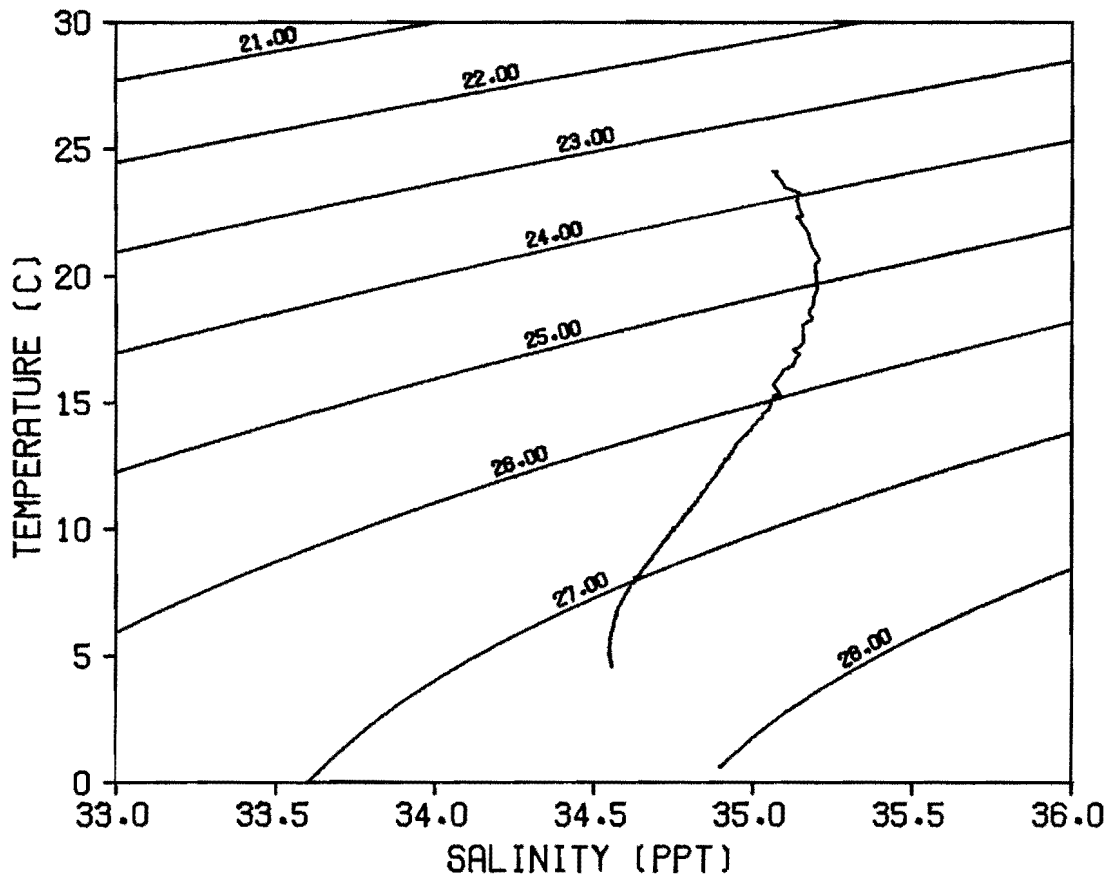


CAST EP6-79-UC-018 DATE 23 JUL 79 TIME 2037 GMT
 LAT 1 30.9S LONG 110 00.4W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 120 T SPD 14 KT VISIBILITY 8
 CLOUD 8 AMOUNT 2 OKY 25.5 WET 22.5 DEPTH M

PKES (DB)	TEMP (C)	SAL (PPT)	OKY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	23.734	35.137	4.42	23.842	.000
1	23.619	35.142	4.34	23.841	.041
10	23.547	35.140	4.36	23.879	.081
30	23.516	35.140	4.37	23.907	.121
40	23.470	35.139	4.36	23.921	.161
50	23.425	35.140	4.30	24.057	.201
60	17.240	35.140	4.30	24.057	.266
70	15.405	35.069	1.86	25.952	.288
80	14.513	35.028	1.86	26.117	.309
100	13.974	34.992	1.45	26.203	.327
120	13.715	34.976	1.51	26.245	.346
130	13.557	34.965	1.52	26.289	.364
140	13.330	34.934	1.54	26.305	.382
150	12.899	34.923	1.44	26.326	.399
160	12.775	34.917	1.39	26.373	.416
170	12.676	34.906	1.35	26.391	.433
180	12.594	34.896	1.30	26.405	.450
190	12.444	34.890	1.18	26.418	.467
200	12.353	34.873	1.10	26.439	.483
220	12.025	34.826	1.70	26.474	.500
300	11.341	34.774	.49	26.498	.581
400	8.445	34.702	.70	26.526	.659
500	7.725	34.617	.90	26.564	.798
600	6.460	34.567	1.30	26.610	.860
700	6.245	34.564	1.69	27.030	.918
800	6.194	34.564	1.69	27.070	.973
900	6.127	34.562	1.47	27.171	1.024
1000	5.473	34.551	1.68	27.208	1.073
1100	5.092	34.527	1.98	27.218	1.122
1200	4.823	34.527	2.04	27.243	1.170
1300	4.550	34.556	2.01	27.300	1.217
1400	4.542	34.556	2.15	27.338	1.261
1500				27.399	1.304
1600					1.346
1700					1.386

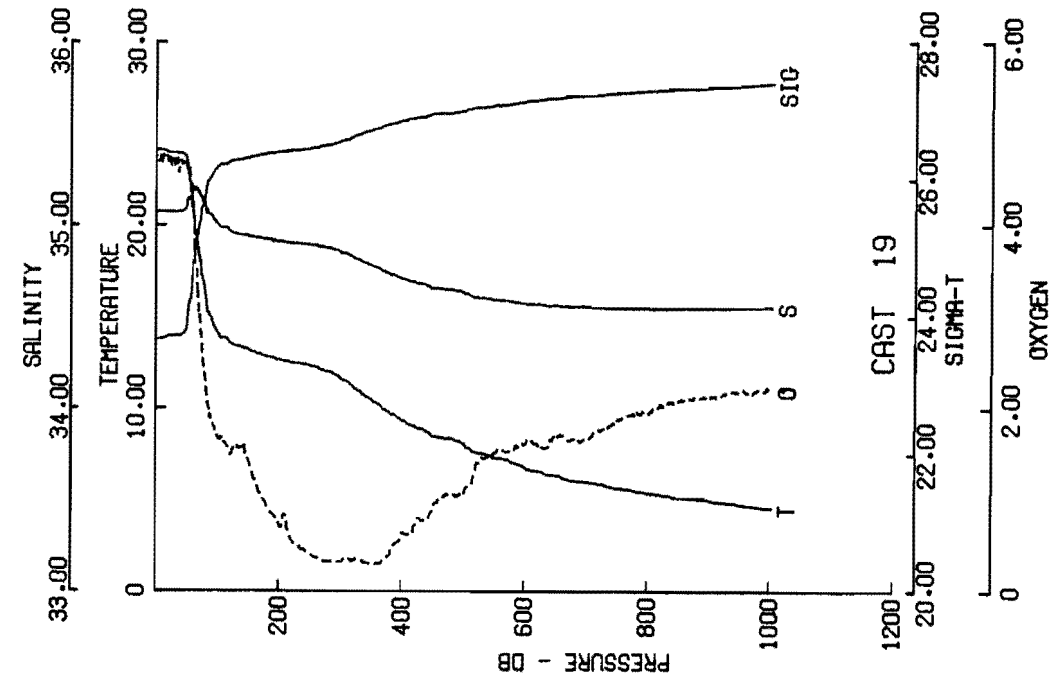


CAST EP6-79-0C-019 DATE 24 OCT 79 TIME 0030 GMT
LAT 2 01.0S LONG 110 00.7W



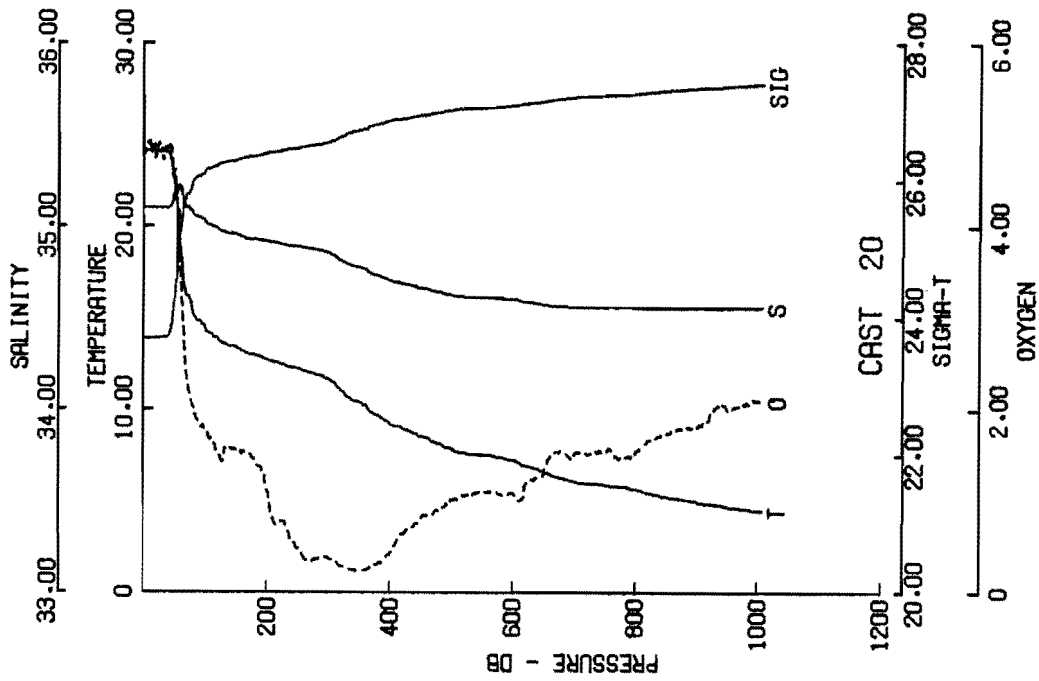
CAST LPO-79-JC-019 DATE 24 OCT 79 TIME 0030 GMT
 LAT 2 01.03 LUNG 110 00.74 WEATHER 1 SEA STATE 5
 BAROMETER 03 WIND DIR 140 T SPD 17 KT VISIBILITY 6
 CLOUD 0 AMOUNT 2 DRY 23.3 MET 21.4 DEPTH M

PKLS (DB)	TEMP (C)	SAL (PPT)	JAY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	24.125	35.062	4.83	23.009	.000
10	24.117	35.072	4.88	23.082	.042
20	24.004	35.073	4.58	23.0713	.084
30	23.980	35.073	4.73	23.727	.126
40	23.942	35.075	4.67	23.733	.168
50	23.884	35.092	4.60	23.828	.210
60	23.810	35.117	4.24	24.004	.252
70	23.521	35.125	3.96	25.094	.294
80	19.781	35.057	2.56	25.724	.302
90	15.035	35.057	1.99	26.025	.323
100	14.175	35.012	1.69	26.170	.343
110	13.872	34.988	1.64	26.222	.361
120	13.637	34.971	1.52	26.258	.379
130	13.455	34.947	1.50	26.287	.397
140	13.339	34.945	1.50	26.320	.415
150	13.236	34.934	1.44	26.339	.433
160	13.111	34.934	1.23	26.362	.450
170	12.986	34.926	1.04	26.382	.467
180	12.828	34.919	.95	26.405	.484
190	12.686	34.912	.75	26.429	.501
200	12.564	34.896	.42	26.450	.518
300	11.829	34.825	.30	26.559	.682
400	10.332	34.710	.30	26.713	.736
500	8.488	34.690	.68	26.824	.824
600	7.326	34.525	.88	26.923	.888
700	6.823	34.525	1.02	27.075	.945
800	6.361	34.525	1.04	27.150	1.001
900	6.007	34.525	1.70	27.183	1.054
1000	5.673	34.525	1.65	27.224	1.104
1100	5.408	34.525	1.80	27.281	1.153
1200	5.129	34.525	1.70	27.321	1.199
1300	4.922	34.525	2.04	27.358	1.244
1400	4.795	34.525	2.17	27.392	1.288
1500	4.583	34.525	2.22	27.413	1.331
1600	4.375	34.525	2.20	27.432	1.373
1700	4.175	34.525		27.442	1.413

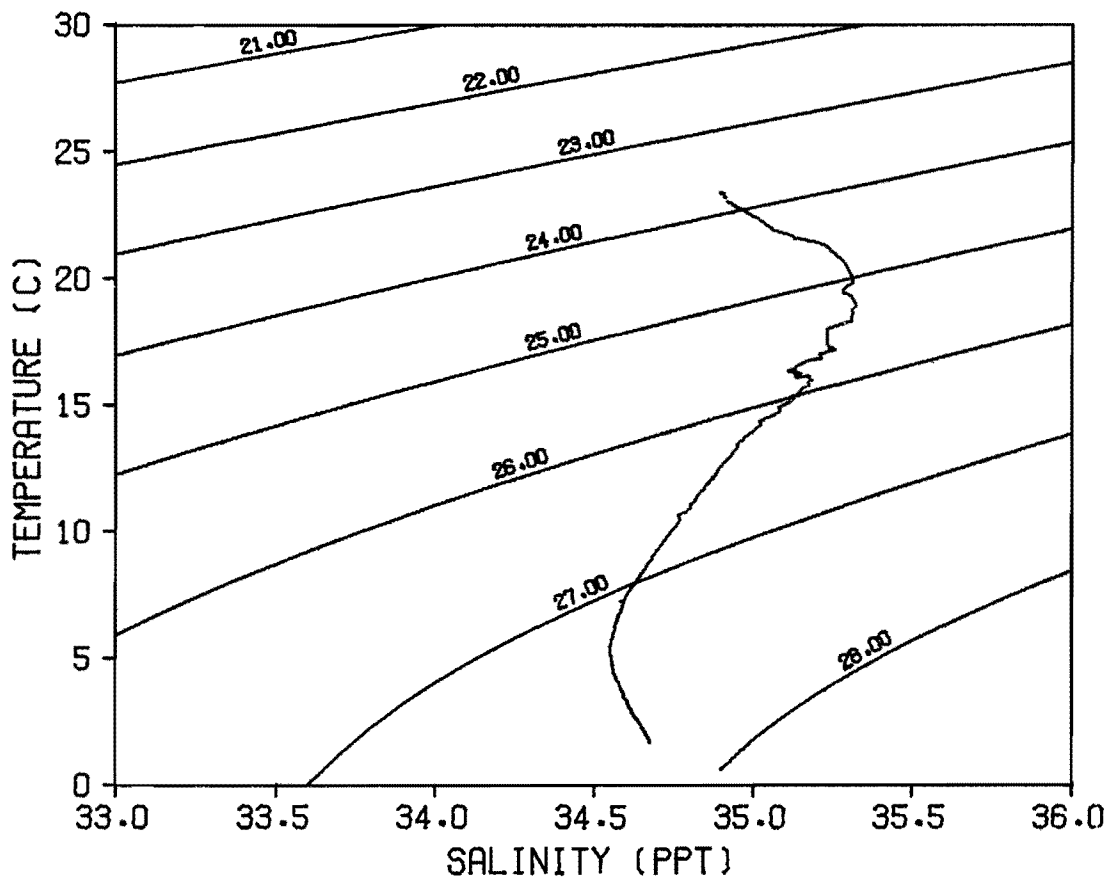


CAST LPO-79-JC-U20 DATE 24 JCI 79 TIME 0430 GMT
 LAT 230.93 LUNG 110 90.49 SEA STATE 2
 BAROMETER 10 WIND DIR 100 T SPD 14 KTF VISIBILITY 4
 WIND X AMOUNT 9 DRY 24.0 WET 21.1 DEPTH 7 M

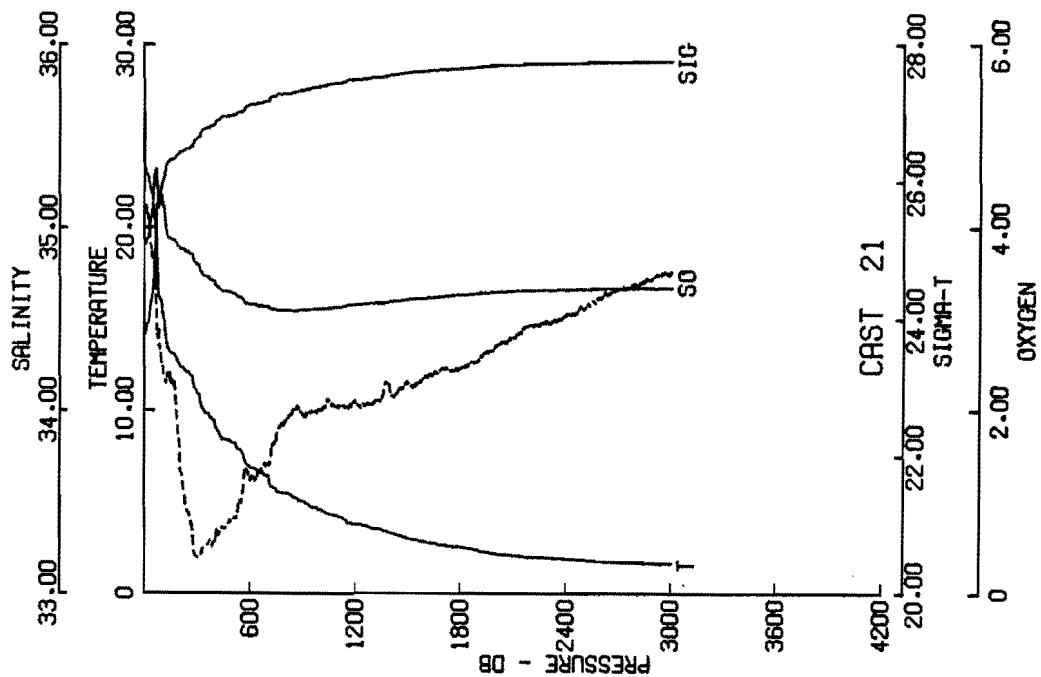
PKB# (JOB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	24.110	35.102	4.48	23.703	.000
10	24.110	35.103	4.75	23.703	.042
20	24.104	35.102	4.80	23.707	.084
30	24.067	35.102	4.80	23.717	.120
40	24.041	35.101	4.89	23.724	.168
50	22.812	35.102	4.87	24.192	.209
60	18.943	35.102	3.72	25.214	.242
70	15.437	35.104	2.43	25.785	.266
80	14.849	35.031	2.06	26.926	.288
90	14.533	35.033	1.87	26.951	.320
100	14.533	35.033	1.78	26.110	.347
110	13.931	34.992	1.68	26.213	.366
120	13.931	34.971	1.54	26.259	.384
130	13.831	34.959	1.44	26.202	.402
140	13.475	34.960	1.30	26.240	.420
150	13.438	34.964	1.22	26.321	.455
160	13.075	34.931	1.15	26.343	.472
170	13.000	34.927	1.12	26.372	.500
180	12.900	34.920	1.13	26.396	.529
190	12.783	34.891	1.15	26.474	.569
200	12.201	34.880	.97	26.527	.613
300	11.091	34.779	.24	26.727	.743
400	10.411	34.700	.42	26.888	.809
500	8.226	34.684	.80	26.950	.871
600	7.582	34.628	1.01	27.020	.930
700	7.234	34.613	1.09	27.092	.985
800	6.854	34.576	1.25	27.154	1.042
900	6.103	34.524	1.21	27.212	1.104
1000	5.096	34.501	1.52	27.240	1.169
1100	3.661	34.530	1.52	27.269	1.235
1200	2.003	34.558	1.73	27.315	1.282
1300	5.721	34.556	1.01	27.377	1.364
1400	4.481	34.555	2.11	27.405	1.404
1500	4.461	34.561	2.10	27.407	1.404



CAST EP6-79-0C-021 DATE 24 OCT 79 TIME 2321 GMT
LAT 0 40.3S LONG 110 08.9W

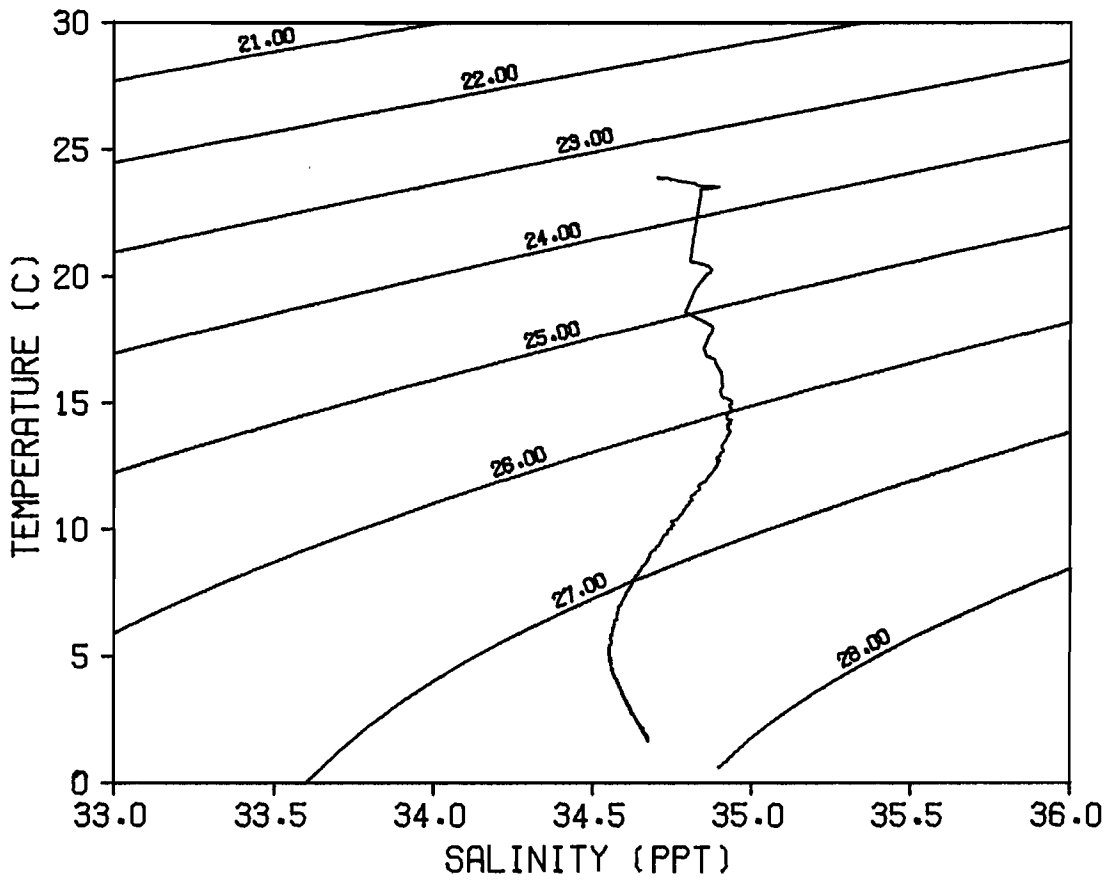


CAST 21
 LAT 40.33 N LONG 110.00 W DATE 24 OCT 79 TIME 2321 GMT
 BAROMETER 10.1 WIND DRY 140 T SEA STATE 4 VISIBILTY 7
 CLOUD 0 AMOUNT 3 DRY 20.2 WET 22.9 DEPTH 3031 M



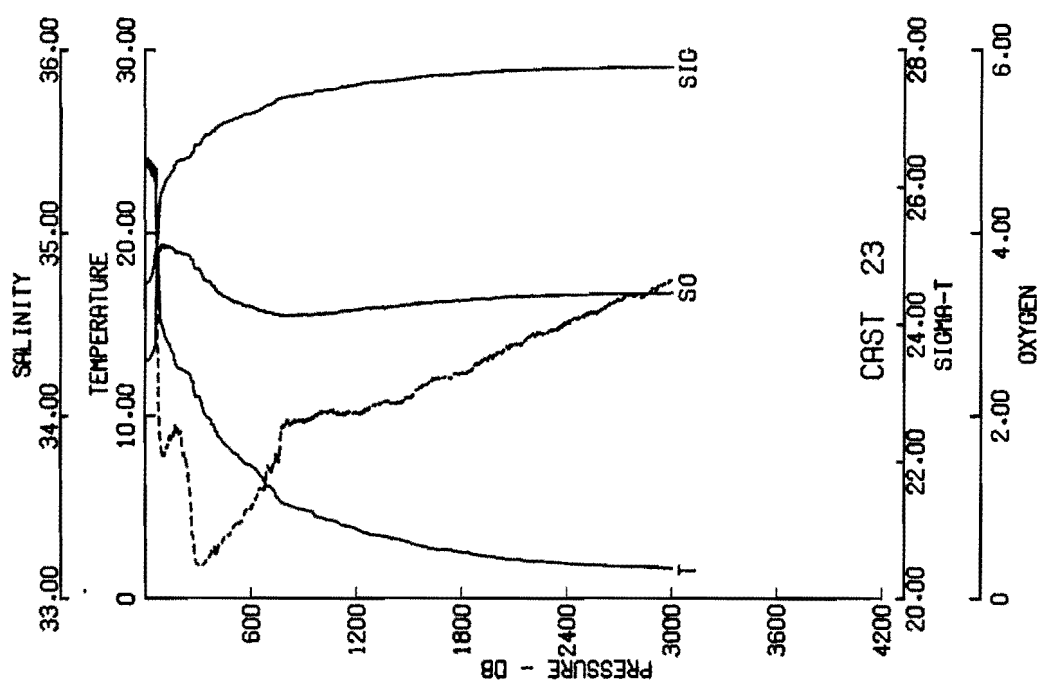
PKTS (DB)	TEMP (C)	SAL (PPT)	JXY (ML/L)	SIG-T	DELTA-D (DTN-M)
0	23.330	34.896	4.73	23.700	.000
10	23.039	34.917	4.20	23.890	.041
20	22.838	34.938	4.19	23.937	.081
30	22.601	34.976	4.03	24.048	.121
40	22.079	35.046	3.82	24.248	.159
50	21.840	35.178	3.89	24.430	.195
60	21.932	35.324	3.15	24.794	.229
70	18.932	35.173	2.87	25.502	.258
80	18.768	35.173	2.87	25.713	.283
90	18.172	35.173	2.87	25.826	.305
100	17.865	35.173	2.87	25.929	.327
110	17.239	35.173	2.87	26.031	.347
120	16.438	35.031	2.32	26.135	.367
130	13.860	34.970	2.32	26.245	.386
140	13.380	34.951	2.40	26.295	.404
150	13.218	34.941	2.36	26.321	.421
160	13.113	34.936	2.32	26.352	.439
170	13.111	34.933	2.32	26.336	.456
180	12.933	34.928	2.13	26.301	.473
190	12.875	34.905	1.86	26.401	.490
200	12.751	34.899	1.89	26.414	.507
250	12.129	34.872	.89	26.483	.589
300	11.949	34.870	.40	26.485	.667
350	9.940	34.737	.51	26.782	.738
400	9.433	34.707	.58	26.838	.804
450	8.453	34.656	.71	26.925	.866
500	8.231	34.623	.89	26.977	.925
550	8.094	34.623	.99	27.023	.983
600	8.029	34.578	1.25	27.122	1.038
650	8.009	34.573	1.33	27.175	1.089
700	8.009	34.573	1.33	27.268	1.140
750	8.009	34.573	1.33	27.284	1.187
800	8.009	34.573	1.33	27.307	1.232
850	8.009	34.573	1.33	27.340	1.277
900	8.009	34.573	1.33	27.372	1.320
950	8.009	34.573	1.33	27.395	1.361
1000	8.009	34.573	1.33	27.402	1.402
1050	8.009	34.573	1.33	27.414	1.440
1100	8.009	34.573	1.33	27.426	1.478
1150	8.009	34.573	1.33	27.438	1.515
1200	8.009	34.573	1.33	27.450	1.552
1250	8.009	34.573	1.33	27.462	1.589
1300	8.009	34.573	1.33	27.474	1.626
1350	8.009	34.573	1.33	27.486	1.663
1400	8.009	34.573	1.33	27.498	1.700
1450	8.009	34.573	1.33	27.510	1.737
1500	8.009	34.573	1.33	27.522	1.774
1550	8.009	34.573	1.33	27.534	1.811
1600	8.009	34.573	1.33	27.546	1.848
1650	8.009	34.573	1.33	27.558	1.885
1700	8.009	34.573	1.33	27.570	1.922
1750	8.009	34.573	1.33	27.582	1.959
1800	8.009	34.573	1.33	27.594	2.000
1850	8.009	34.573	1.33	27.606	2.041
1900	8.009	34.573	1.33	27.618	2.082
1950	8.009	34.573	1.33	27.630	2.123
2000	8.009	34.573	1.33	27.642	2.164
2050	8.009	34.573	1.33	27.654	2.205
2100	8.009	34.573	1.33	27.666	2.246
2150	8.009	34.573	1.33	27.678	2.287
2200	8.009	34.573	1.33	27.690	2.328
2250	8.009	34.573	1.33	27.702	2.369
2300	8.009	34.573	1.33	27.714	2.410
2350	8.009	34.573	1.33	27.726	2.451
2400	8.009	34.573	1.33	27.738	2.492
2450	8.009	34.573	1.33	27.750	2.533
2500	8.009	34.573	1.33	27.762	2.574
2550	8.009	34.573	1.33	27.774	2.615
2600	8.009	34.573	1.33	27.786	2.656
2650	8.009	34.573	1.33	27.798	2.697
2700	8.009	34.573	1.33	27.810	2.738
2750	8.009	34.573	1.33	27.822	2.779
2800	8.009	34.573	1.33	27.834	2.820
2850	8.009	34.573	1.33	27.846	2.861
2900	8.009	34.573	1.33	27.858	2.902
2950	8.009	34.573	1.33	27.870	2.943
3000	8.009	34.573	1.33	27.882	2.984
3050	8.009	34.573	1.33	27.894	3.025
3100	8.009	34.573	1.33	27.906	3.066
3150	8.009	34.573	1.33	27.918	3.107
3200	8.009	34.573	1.33	27.930	3.148
3250	8.009	34.573	1.33	27.942	3.189
3300	8.009	34.573	1.33	27.954	3.230
3350	8.009	34.573	1.33	27.966	3.271
3400	8.009	34.573	1.33	27.978	3.312
3450	8.009	34.573	1.33	27.990	3.353
3500	8.009	34.573	1.33	28.002	3.394
3550	8.009	34.573	1.33	28.014	3.435
3600	8.009	34.573	1.33	28.026	3.476
3650	8.009	34.573	1.33	28.038	3.517
3700	8.009	34.573	1.33	28.050	3.558
3750	8.009	34.573	1.33	28.062	3.599
3800	8.009	34.573	1.33	28.074	3.640
3850	8.009	34.573	1.33	28.086	3.681
3900	8.009	34.573	1.33	28.098	3.722
3950	8.009	34.573	1.33	28.110	3.763
4000	8.009	34.573	1.33	28.122	3.804
4050	8.009	34.573	1.33	28.134	3.845
4100	8.009	34.573	1.33	28.146	3.886
4150	8.009	34.573	1.33	28.158	3.927
4200	8.009	34.573	1.33	28.170	3.968

CAST EP6-79-0C-023 DATE 26 OCT 79 TIME 0108 GMT
LAT 00 44.2N LONG 110 12.8W

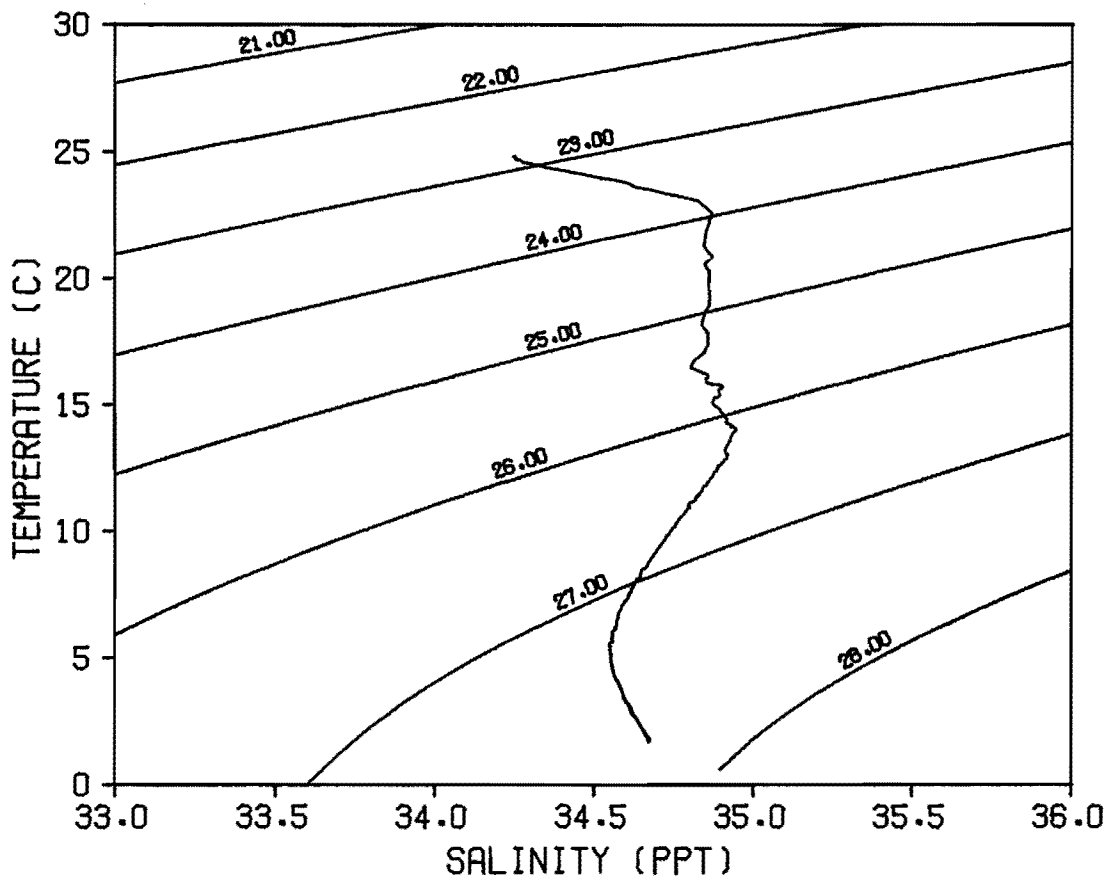


CAST EP6-79-DC-023 DATE 26 JUN 79 TIME 0135 GMT
 LAT 00 44.2N LONG 110 12.87 W WEATHER 1 SEA STATE
 BAROMETR 96 WIND DIR 160 T SFC VISIBILITY 7
 CLOUD 8 AMOUNT 4 UKY 25.2 MET ZL 6 DEPTH 3875 M

PKES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	3.912	34.703	4.77	23.463	.000
1	23.912	34.704	4.77	23.462	.044
10	23.908	34.727	4.73	23.480	.088
20	23.890	34.735	4.71	23.492	.132
30	23.852	34.741	4.67	23.508	.176
40	23.769	34.775	4.61	23.528	.219
50	23.679	34.823	4.65	23.716	.262
60	23.547	34.898	3.18	24.767	.297
70	19.530	34.823	2.01	23.204	.325
80	16.513	34.890	1.88	23.897	.348
90	14.199	34.922	1.57	23.957	.369
100	14.529	34.929	1.57	23.928	.390
110	14.225	34.925	1.55	23.028	.410
120	14.072	34.931	1.70	26.133	.429
130	13.942	34.927	1.78	26.162	.448
140	13.830	34.924	1.74	26.221	.467
150	13.696	34.921	1.74	26.243	.485
160	13.428	34.915	1.82	26.331	.503
170	12.741	34.917	1.81	26.383	.520
180	12.661	34.898	1.81	26.395	.537
190	12.627	34.893	1.82	26.403	.554
200	12.386	34.884	1.82	26.440	.578
210	11.089	34.885	1.82	26.426	.618
220	10.022	34.885	1.82	26.479	.788
230	9.223	34.742	1.82	26.563	.916
240	8.522	34.836	1.82	26.944	.975
250	8.039	34.830	1.82	26.998	1.032
260	7.619	34.813	1.82	27.049	1.087
270	7.328	34.611	1.82	27.137	1.140
280	6.803	34.581	1.82	27.200	1.190
290	6.212	34.589	1.82	27.273	1.238
300	5.601	34.536	1.82	27.317	1.284
310	5.193	34.534	1.82	27.356	1.324
320	5.028	34.530	1.82	27.356	1.366
330	4.903	34.551	1.82	27.365	1.407
340	4.464	34.559	1.82	27.407	1.446
350	4.142	34.559	1.82	27.532	1.493
360	3.263	34.604	1.82	27.591	1.546
370	1.687	34.600	1.82	27.735	1.607
380	1.679	34.675	1.82	27.757	1.672
390	1.670	34.675	1.82	27.758	1.737
3002					2.549

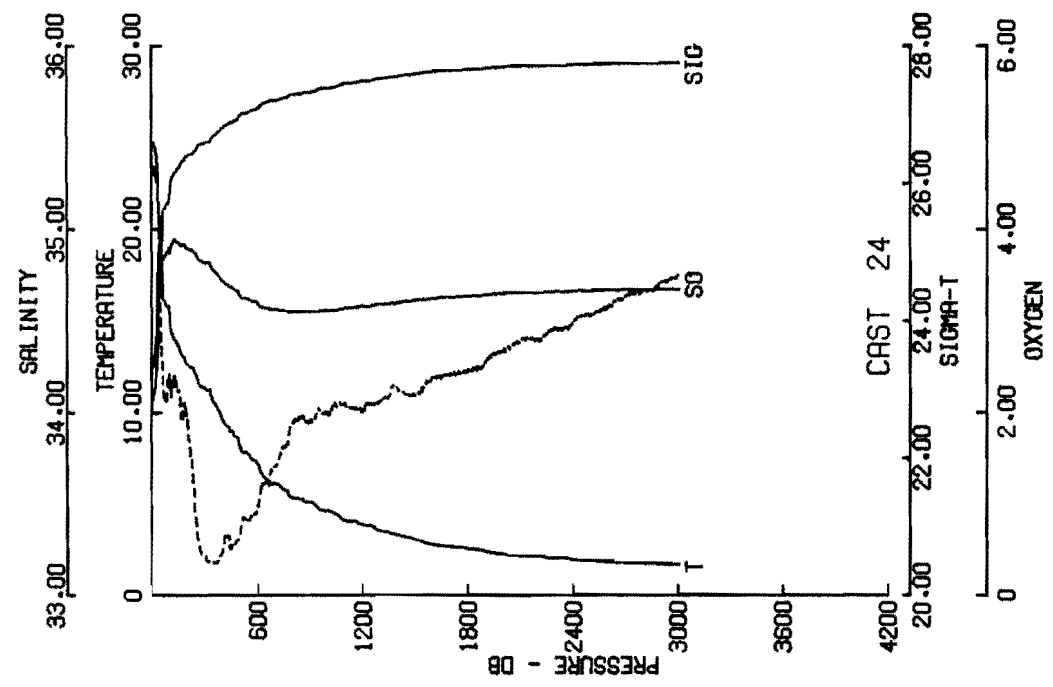


CAST EP6-79-0C-024 DATE 26 OCT 79 TIME 0011 GMT
LAT 0 01.4S LONG 109 09.8W

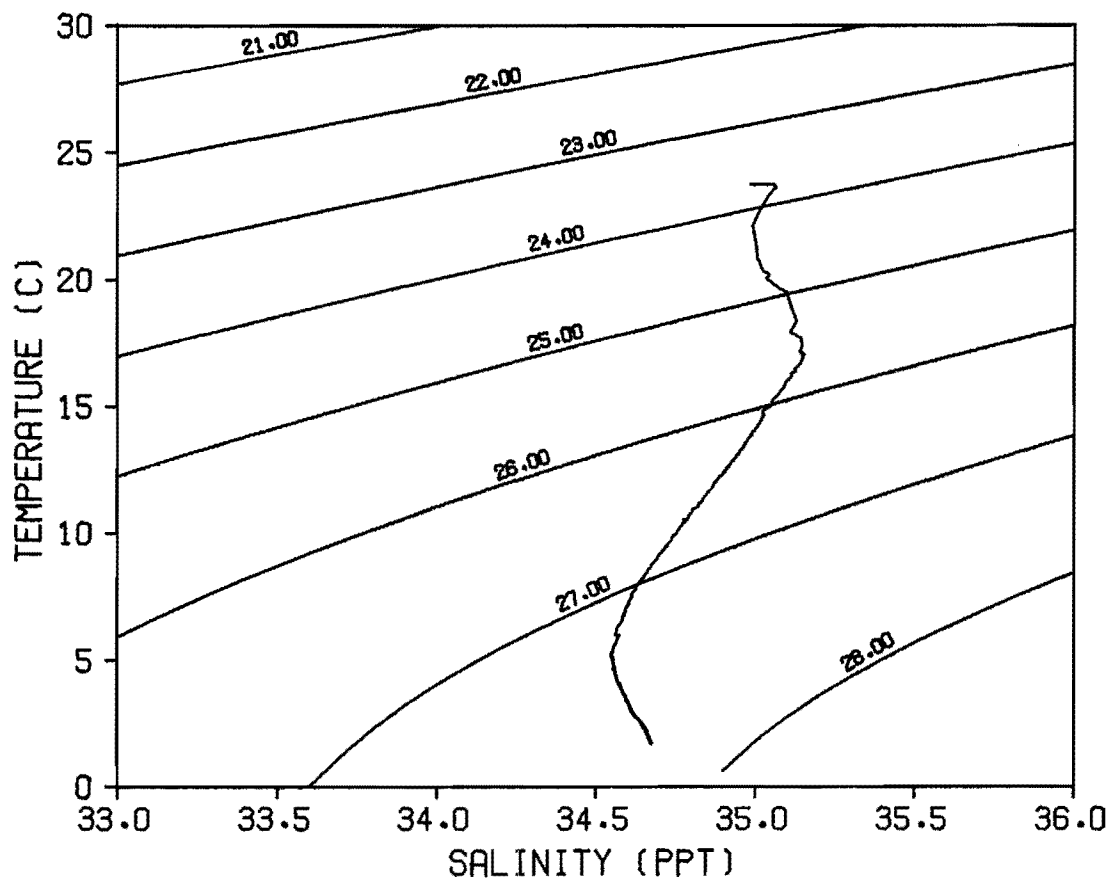


LAST ERG-79-UC-024 DATE 20 OCT 79 TIME 0011 GMT
 LAT 014.42 LONG 109 04.0W WEATHER 1 SEA 3 STATE 7
 BAROMETER 14 WIND 140 T SPO 15 KT VISIBILITY 7
 CLOUD 0 AMOUNT 4 DRY 24.8 WET 21.9 DEPTH 3776 M

PRES (DB)	TEMP (C)	SAL (PPT)	CHL (ML/L)	SIG-T	DELTA-D (DMN-M)
0	24.611	34.249	4.70	24.850	.000
10	24.771	34.252	4.08	22.804	.100
20	24.481	34.314	4.04	22.994	.147
30	24.033	34.495	4.57	23.199	.191
40	23.576	34.470	4.45	23.471	.227
50	19.622	34.860	3.42	25.072	.257
60	16.366	34.841	2.20	25.045	.283
70	16.162	34.856	2.17	25.713	.307
80	15.031	34.354	2.20	25.764	.324
90	15.819	34.879	2.30	25.982	.354
100	15.663	34.802	2.21	26.104	.395
110	14.683	34.907	2.23	26.177	.415
120	14.297	34.947	2.33	26.249	.452
130	14.029	34.948	2.33	26.249	.471
140	13.698	34.931	2.22	26.297	.489
150	13.716	34.923	2.17	26.357	.506
160	13.499	34.916	2.06	26.369	.524
170	13.232	34.916	2.09	26.401	.541
180	12.869	34.917	1.97	26.477	.624
190	12.658	34.930	1.90	26.593	.702
200	12.150	34.870	.43	26.610	.777
250	11.345	34.823	.30	26.892	.647
300	10.608	34.777	.40	26.991	.973
350	9.671	34.722	.21	27.034	1.030
400	9.004	34.688	.06	27.094	1.116
450	8.123	34.638	.03	27.184	1.184
500	7.754	34.623	.04	27.248	1.231
550	7.511	34.599	.04	27.309	1.277
600	6.395	34.572	.23	27.341	1.321
650	6.120	34.567	1.03	27.391	1.466
700	5.344	34.559	1.03	27.590	1.474
800	5.344	34.551	1.03	27.753	2.071
850	5.289	34.553	1.03	27.753	2.317
900	4.735	34.557	1.03	27.753	2.348
950	4.048	34.560	1.21	27.753	
1000	3.048	34.615	1.03		
1200	2.269	34.648	3.00		
2000	1.912	34.668	3.00		
3000	1.641	34.673	3.00		
3005	1.650	34.674	3.00		

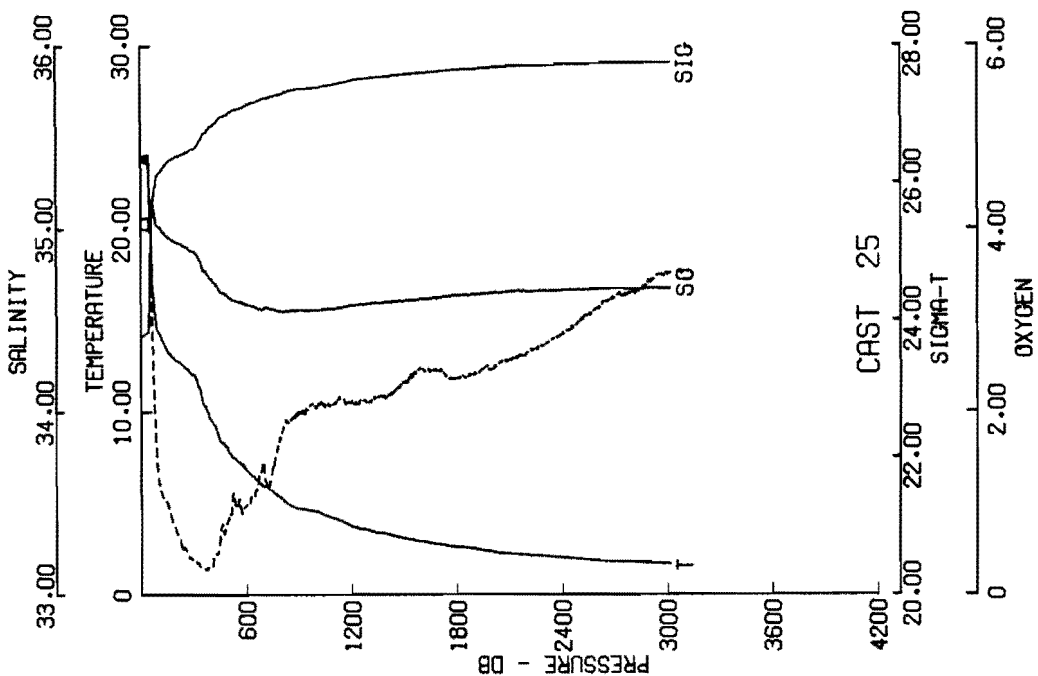


CAST EP6-79-0C-025 DATE 28 OCT 79 TIME 0717 GMT
LAT 3 00.5S LONG 104 59.3W

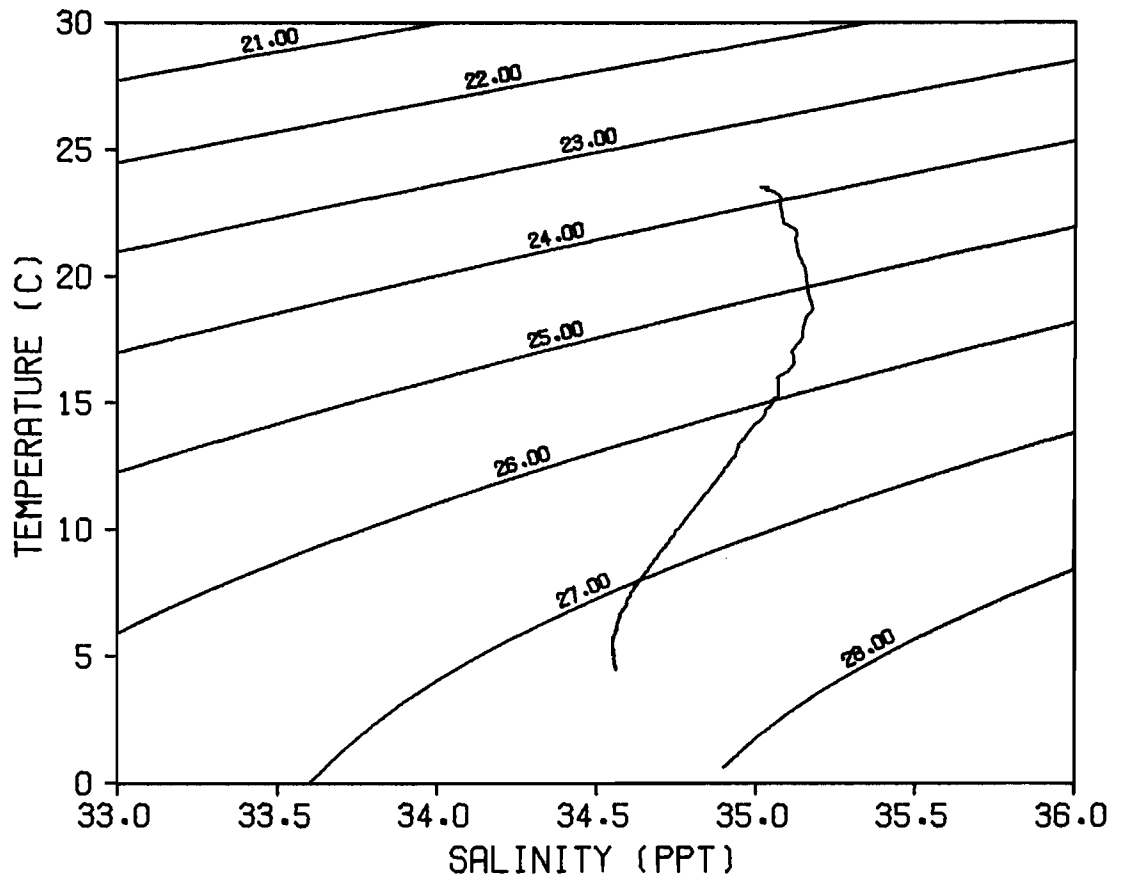


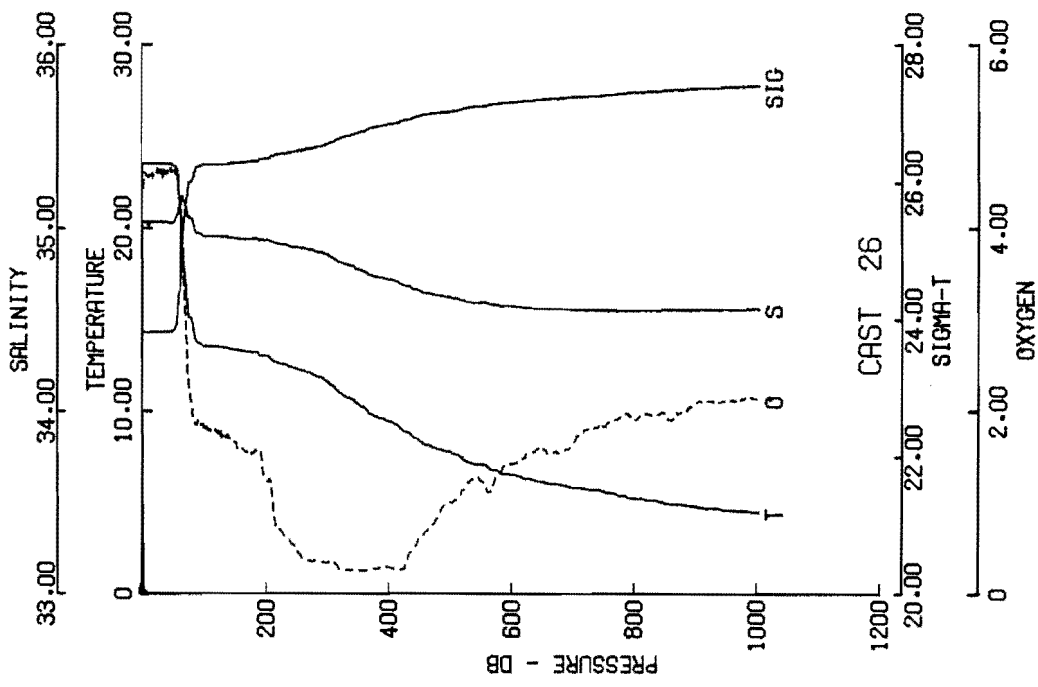
CAST EP6-79-DC-025 DATE 28 OCT 79 TIME 0717 GMT
 LAT 3 00.55 LONG 104 59.3M WEATHER 1 SEA STATE 3
 BAROMETER 10 WIND DIR 110 T SPD 12 KT VISIBILITY 8
 CLOUD 8 AMOUNT 3 WIND DRY 23.2 MET 20.3 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	23.587	24.157	5.19	15.614	000
10	23.793	24.056	4.79	15.779	045
20	23.629	23.962	4.80	15.795	087
30	23.616	23.907	4.78	15.813	128
40	22.916	23.807	4.69	15.885	169
50	21.514	23.5109	3.81	15.738	242
60	19.575	23.207	2.96	15.082	289
70	17.628	22.925	1.96	14.310	310
80	15.778	22.625	1.30	13.329	329
90	14.245	22.317	1.12	12.615	348
100	13.013	22.008	1.05	12.238	365
110	11.813	21.694	1.04	11.868	385
120	10.645	21.371	1.00	11.504	421
130	9.516	21.047	0.96	11.144	439
140	8.434	20.724	0.92	10.784	456
150	7.395	20.401	0.79	10.424	474
160	6.415	20.078	0.75	10.064	491
170	5.493	19.755	0.71	9.704	502
180	4.632	19.432	0.58	9.344	514
190	3.831	19.109	0.49	8.984	527
200	3.089	18.786	0.42	8.624	541
250	1.619	17.790	0.29	7.631	571
300	0.519	16.794	0.22	6.638	592
350	0.319	15.798	0.19	5.645	620
400	0.119	14.802	0.15	4.652	648
450	0.019	13.806	0.11	3.659	676
500	0.019	12.810	0.08	2.666	704
550	0.019	11.814	0.05	1.673	732
600	0.019	10.818	0.03	0.680	760
650	0.019	9.822	0.01	0.187	788
700	0.019	8.826	0.00	0.187	816
750	0.019	7.830	0.00	0.187	844
800	0.019	6.834	0.00	0.187	872
850	0.019	5.838	0.00	0.187	900
900	0.019	4.842	0.00	0.187	928
950	0.019	3.846	0.00	0.187	956
1000	0.019	2.850	0.00	0.187	984
1500	0.019	1.854	0.00	0.187	1012
2000	0.019	0.858	0.00	0.187	1040
2500	0.019	-0.138	0.00	0.187	1068
3000	0.019	-1.142	0.00	0.187	1096
3012	0.019	-1.142	0.00	0.187	1124



CAST EP6-79-0C-026 DATE 28 OCT 79 TIME 1514 GMT
LAT 2 00.0S LONG 105 00.0W

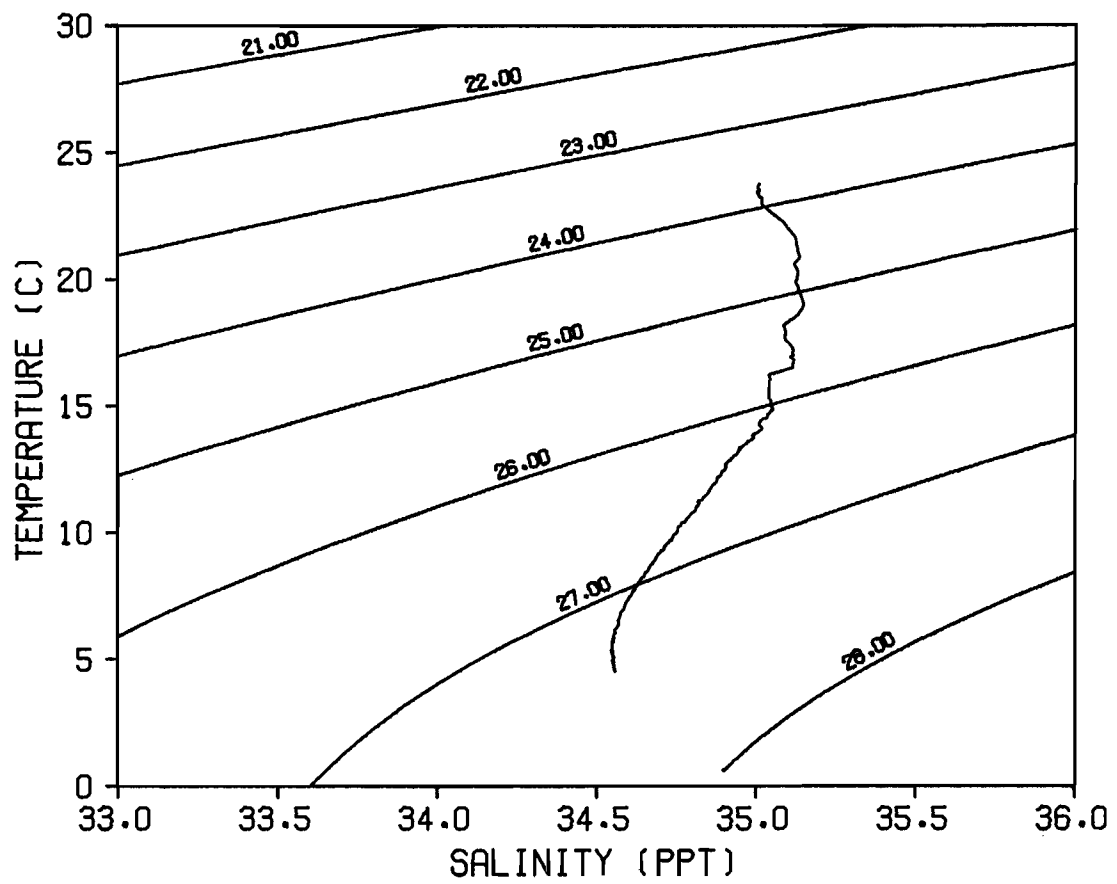




CAST LP6-79-CC-026 CATL 28 OCT 79 TIME 1514 GMT
 LAT 2 00.05 LONG 108 00 WEATHER 1 VISA STATE 4
 BAROMETER 58 WIND DIR 100 SFD 12 VISIB 8
 CLOUD P AMOUNT 1 2 WAV 23.7 MET 20.9 DEPTH M

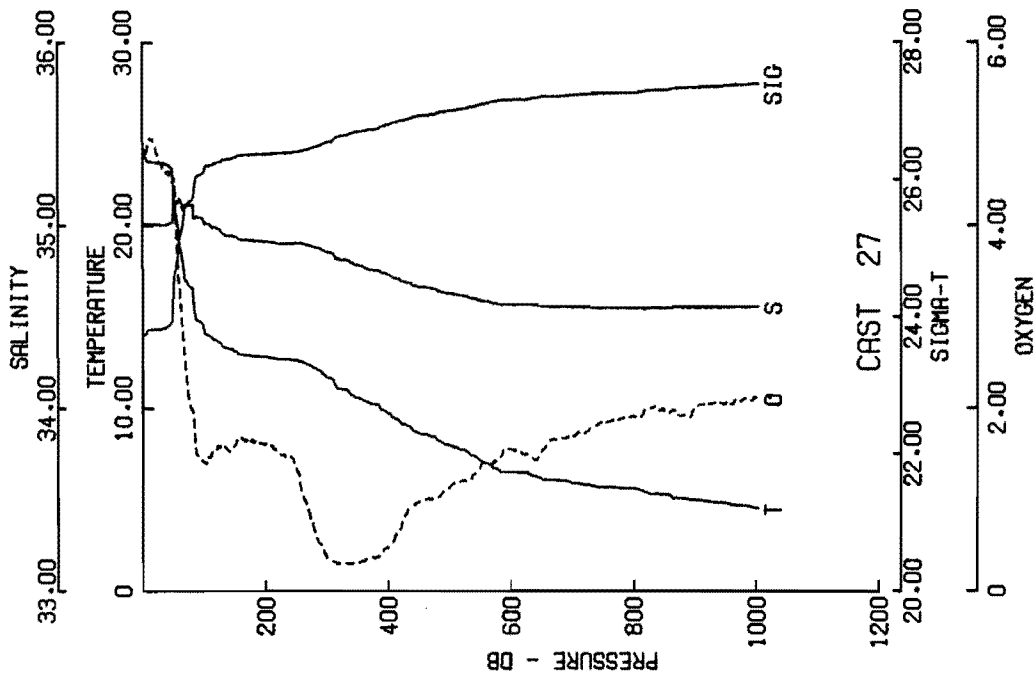
PRES (DB)	TEMP (C)	SAL (PPT)	CXY (ML/L)	SIG-T	DELTA-D (DYN-P)
0	19.40	34.42	4.42	23.822	0.041
10	19.40	34.42	4.42	23.822	0.082
20	19.40	34.42	4.42	23.822	0.123
30	19.40	34.42	4.42	23.822	0.164
40	19.40	34.42	4.42	23.822	0.205
50	19.40	34.42	4.42	23.822	0.246
60	19.40	34.42	4.42	23.822	0.287
70	19.40	34.42	4.42	23.822	0.328
80	19.40	34.42	4.42	23.822	0.369
90	19.40	34.42	4.42	23.822	0.410
100	19.40	34.42	4.42	23.822	0.451
110	19.40	34.42	4.42	23.822	0.492
120	19.40	34.42	4.42	23.822	0.533
130	19.40	34.42	4.42	23.822	0.574
140	19.40	34.42	4.42	23.822	0.615
150	19.40	34.42	4.42	23.822	0.656
160	19.40	34.42	4.42	23.822	0.697
170	19.40	34.42	4.42	23.822	0.738
180	19.40	34.42	4.42	23.822	0.779
190	19.40	34.42	4.42	23.822	0.820
200	19.40	34.42	4.42	23.822	0.861
210	19.40	34.42	4.42	23.822	0.902
220	19.40	34.42	4.42	23.822	0.943
230	19.40	34.42	4.42	23.822	0.984
240	19.40	34.42	4.42	23.822	1.025
250	19.40	34.42	4.42	23.822	1.066
260	19.40	34.42	4.42	23.822	1.107
270	19.40	34.42	4.42	23.822	1.148
280	19.40	34.42	4.42	23.822	1.189
290	19.40	34.42	4.42	23.822	1.230
300	19.40	34.42	4.42	23.822	1.271
310	19.40	34.42	4.42	23.822	1.312
320	19.40	34.42	4.42	23.822	1.353
330	19.40	34.42	4.42	23.822	1.394
340	19.40	34.42	4.42	23.822	1.435
350	19.40	34.42	4.42	23.822	1.476
360	19.40	34.42	4.42	23.822	1.517
370	19.40	34.42	4.42	23.822	1.558
380	19.40	34.42	4.42	23.822	1.599
390	19.40	34.42	4.42	23.822	1.640
400	19.40	34.42	4.42	23.822	1.681
410	19.40	34.42	4.42	23.822	1.722
420	19.40	34.42	4.42	23.822	1.763
430	19.40	34.42	4.42	23.822	1.804
440	19.40	34.42	4.42	23.822	1.845
450	19.40	34.42	4.42	23.822	1.886
460	19.40	34.42	4.42	23.822	1.927
470	19.40	34.42	4.42	23.822	1.968
480	19.40	34.42	4.42	23.822	2.009
490	19.40	34.42	4.42	23.822	2.050
500	19.40	34.42	4.42	23.822	2.091
510	19.40	34.42	4.42	23.822	2.132
520	19.40	34.42	4.42	23.822	2.173
530	19.40	34.42	4.42	23.822	2.214
540	19.40	34.42	4.42	23.822	2.255
550	19.40	34.42	4.42	23.822	2.296
560	19.40	34.42	4.42	23.822	2.337
570	19.40	34.42	4.42	23.822	2.378
580	19.40	34.42	4.42	23.822	2.419
590	19.40	34.42	4.42	23.822	2.460
600	19.40	34.42	4.42	23.822	2.501
610	19.40	34.42	4.42	23.822	2.542
620	19.40	34.42	4.42	23.822	2.583
630	19.40	34.42	4.42	23.822	2.624
640	19.40	34.42	4.42	23.822	2.665
650	19.40	34.42	4.42	23.822	2.706
660	19.40	34.42	4.42	23.822	2.747
670	19.40	34.42	4.42	23.822	2.788
680	19.40	34.42	4.42	23.822	2.829
690	19.40	34.42	4.42	23.822	2.870
700	19.40	34.42	4.42	23.822	2.911
710	19.40	34.42	4.42	23.822	2.952
720	19.40	34.42	4.42	23.822	2.993
730	19.40	34.42	4.42	23.822	3.034
740	19.40	34.42	4.42	23.822	3.075
750	19.40	34.42	4.42	23.822	3.116
760	19.40	34.42	4.42	23.822	3.157
770	19.40	34.42	4.42	23.822	3.198
780	19.40	34.42	4.42	23.822	3.239
790	19.40	34.42	4.42	23.822	3.280
800	19.40	34.42	4.42	23.822	3.321
810	19.40	34.42	4.42	23.822	3.362
820	19.40	34.42	4.42	23.822	3.403
830	19.40	34.42	4.42	23.822	3.444
840	19.40	34.42	4.42	23.822	3.485
850	19.40	34.42	4.42	23.822	3.526
860	19.40	34.42	4.42	23.822	3.567
870	19.40	34.42	4.42	23.822	3.608
880	19.40	34.42	4.42	23.822	3.649
890	19.40	34.42	4.42	23.822	3.690
900	19.40	34.42	4.42	23.822	3.731
910	19.40	34.42	4.42	23.822	3.772
920	19.40	34.42	4.42	23.822	3.813
930	19.40	34.42	4.42	23.822	3.854
940	19.40	34.42	4.42	23.822	3.895
950	19.40	34.42	4.42	23.822	3.936
960	19.40	34.42	4.42	23.822	3.977
970	19.40	34.42	4.42	23.822	4.018
980	19.40	34.42	4.42	23.822	4.059
990	19.40	34.42	4.42	23.822	4.100
1000	19.40	34.42	4.42	23.822	4.141
1010	19.40	34.42	4.42	23.822	4.182
1020	19.40	34.42	4.42	23.822	4.223
1030	19.40	34.42	4.42	23.822	4.264
1040	19.40	34.42	4.42	23.822	4.305
1050	19.40	34.42	4.42	23.822	4.346
1060	19.40	34.42	4.42	23.822	4.387
1070	19.40	34.42	4.42	23.822	4.428
1080	19.40	34.42	4.42	23.822	4.469
1090	19.40	34.42	4.42	23.822	4.510
1100	19.40	34.42	4.42	23.822	4.551
1110	19.40	34.42	4.42	23.822	4.592
1120	19.40	34.42	4.42	23.822	4.633
1130	19.40	34.42	4.42	23.822	4.674
1140	19.40	34.42	4.42	23.822	4.715
1150	19.40	34.42	4.42	23.822	4.756
1160	19.40	34.42	4.42	23.822	4.797
1170	19.40	34.42	4.42	23.822	4.838
1180	19.40	34.42	4.42	23.822	4.879
1190	19.40	34.42	4.42	23.822	4.920
1200	19.40	34.42	4.42	23.822	4.961

CAST EP6-79-0C-027 DATE 28 OCT 79 TIME 1807 GMT
LAT 1 30.5S LONG 105 00.0W

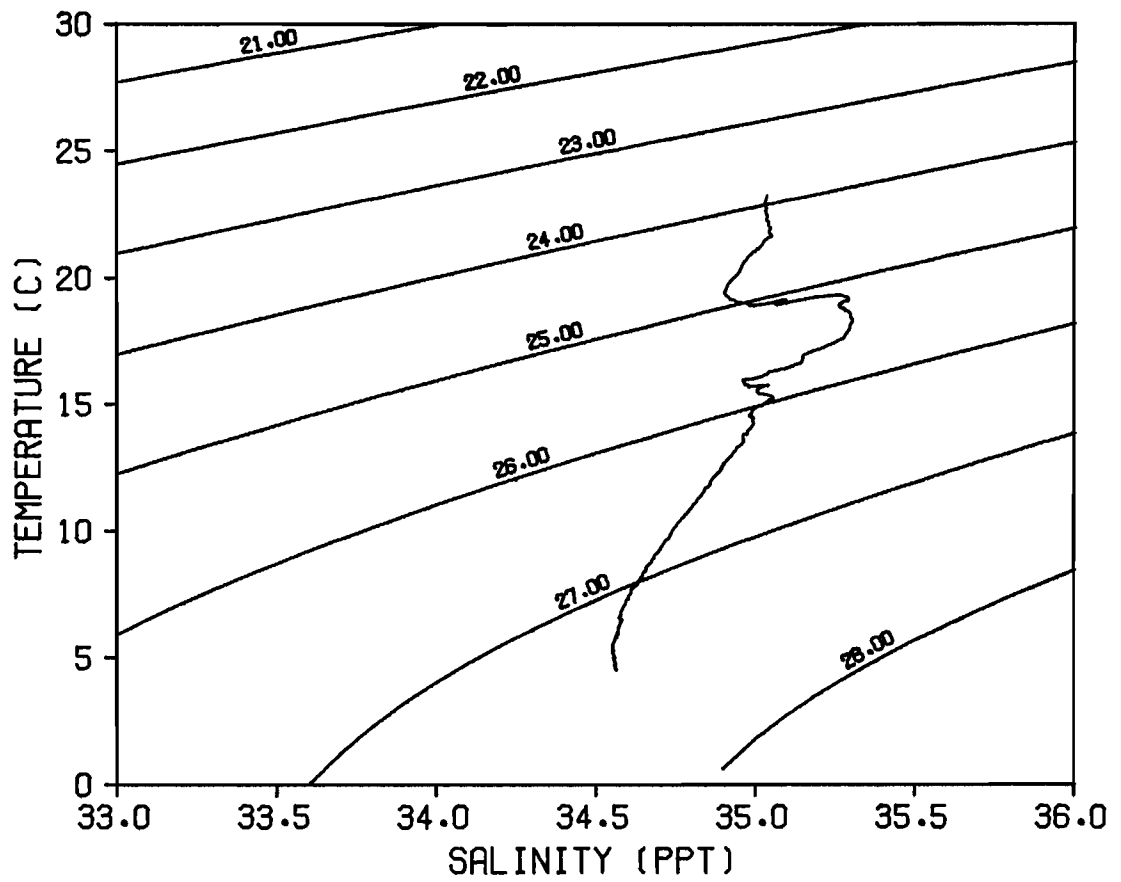


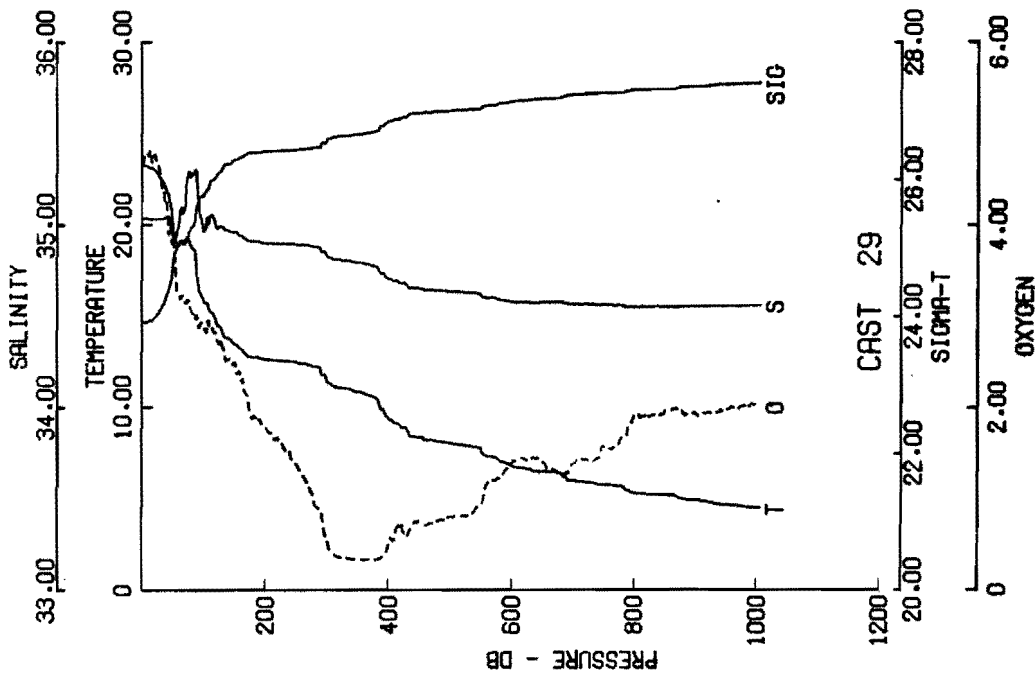
CAST EP6-79-00-027 DATE 28 OCT 79 TIME 1807 GMT
 LAT 130.55 LONG 105 00.00 WEA 2 SEA STATE 3
 BARDMETER 13 WIND DIR 150 T SPD 15 KT VISIBILITY 8
 CLOUD 8 AMOUNT 5 DRY 24.8 WET 21.2 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	23.870	35.011	4.80	23.706	.000
2	23.782	35.008	4.94	23.730	.043
10	23.519	35.008	4.87	23.819	.083
30	23.444	35.007	4.86	23.824	.124
50	23.373	35.003	4.58	23.850	.205
60	22.287	35.148	4.51	24.229	.237
70	17.017	35.116	3.37	25.116	.267
80	16.637	35.119	3.40	25.710	.309
90	14.467	35.027	1.40	26.062	.328
100	13.967	35.090	1.46	26.126	.347
110	13.743	34.963	1.58	26.250	.383
120	13.219	34.943	1.54	26.314	.381
130	13.219	34.943	1.58	26.334	.406
140	13.219	34.943	1.58	26.354	.436
150	12.952	34.923	1.66	26.369	.433
160	12.909	34.920	1.63	26.376	.470
170	12.830	34.917	1.62	26.379	.509
180	12.817	34.913	1.62	26.380	.529
190	12.817	34.913	1.62	26.381	.571
200	12.817	34.913	1.62	26.381	.615
250	11.010	34.856	3.31	26.522	.819
300	9.868	34.734	4.97	26.706	.838
350	7.555	34.631	4.97	26.933	.938
400	6.979	34.569	4.97	27.007	.945
450	6.156	34.569	4.97	27.057	.945
500	5.506	34.569	4.97	27.105	.945
550	5.021	34.554	4.97	27.140	.945
600	4.601	34.554	4.97	27.163	.945
650	4.281	34.554	4.97	27.177	.945
700	4.081	34.554	4.97	27.183	.945
750	3.907	34.554	4.97	27.183	.945
800	3.759	34.554	4.97	27.183	.945
850	3.622	34.554	4.97	27.183	.945
900	3.495	34.554	4.97	27.183	.945
950	3.377	34.554	4.97	27.183	.945
1000	3.267	34.554	4.97	27.183	.945
1003	3.234	34.558	4.97	27.183	.945



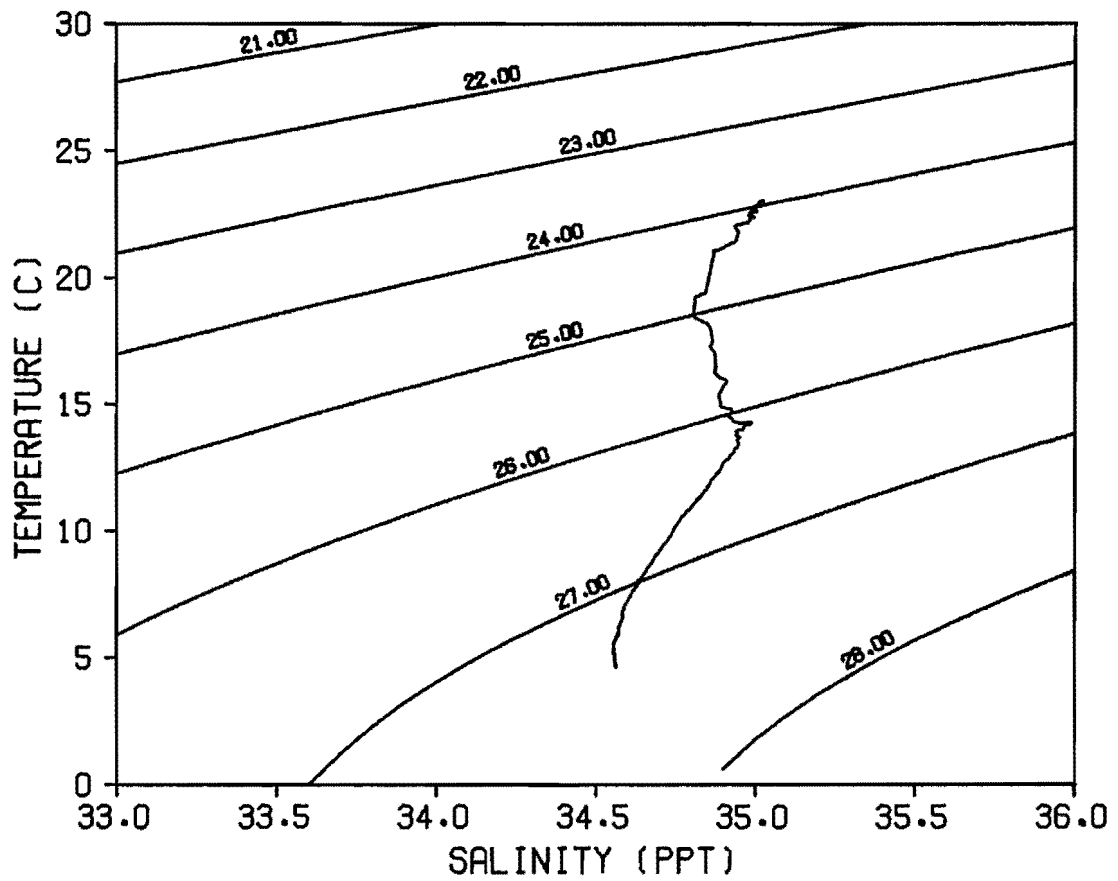
CAST EP6-79-0C-029 DATE 29 OCT 79 TIME 0403 GMT
LAT 0 29.1S LONG 105 00.6W





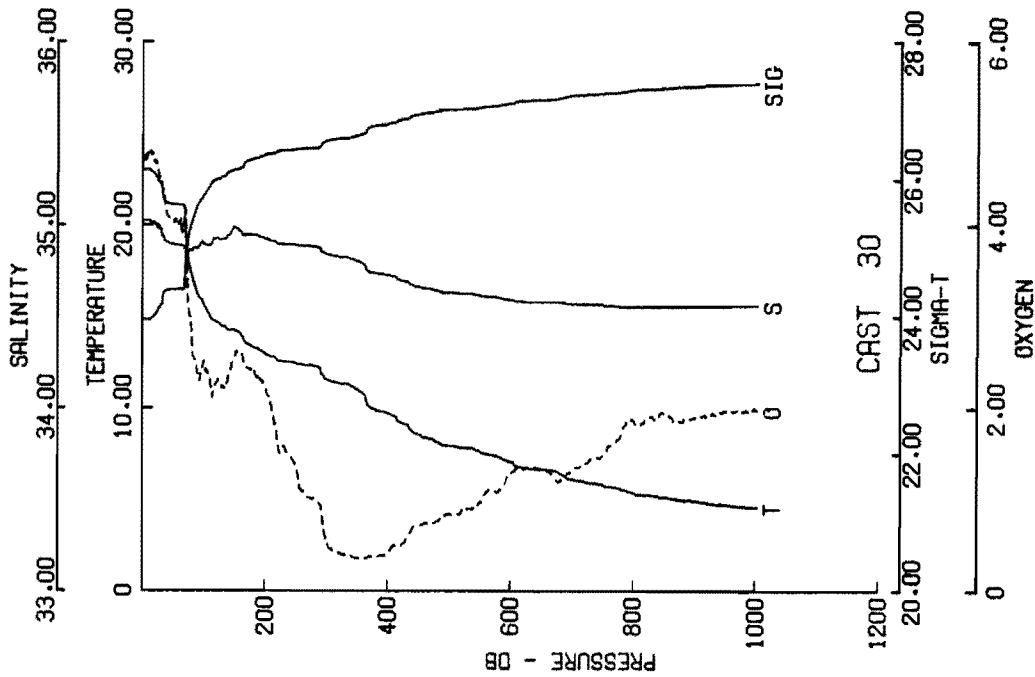
CAST	EPG-79-D	C-029	DATE	29	OCT	79	TIME	0403	GMT	
LAT	C 29	15	LONG	105	CC	64	WEATHER	1	SEA	
BAROMETER	AMOUNT	4	DRY	23	1	WET	21	0	DEPTH	
CLCUD	8									
PRES	(DB)		TEMP	(C)	SAL	(PPT)	EXY	(ML/L)	SIG-T	DELTA-D
										(DYN-M)
9	56	35.037	4.66	906	.000					
2	55	35.035	4.77	907	.040					
10	56	35.033	4.76	918	.080					
20	56	35.033	4.57	907	.157					
30	52	35.032	4.29	887	.222					
50	54	35.030	3.21	869	.251					
70	55	35.029	3.16	867	.280					
90	55	35.022	3.07	868	.300					
100	55	35.021	2.99	870	.329					
110	55	35.018	2.92	871	.351					
120	55	35.018	2.87	879	.371					
130	55	35.019	2.82	882	.391					
140	55	35.021	2.77	894	.410					
150	55	35.021	2.72	904	.428					
160	55	35.021	2.67	910	.447					
170	55	35.021	2.62	919	.465					
180	55	35.021	2.57	928	.483					
190	55	35.021	2.52	938	.501					
200	55	35.021	2.47	948	.519					
250	55	35.021	2.42	953	.537					
300	55	35.021	2.37	958	.555					
350	55	35.021	2.32	963	.573					
400	55	35.021	2.27	968	.591					
450	55	35.021	2.22	973	.609					
500	55	35.021	2.17	978	.627					
550	55	35.021	2.12	983	.645					
600	55	35.021	2.07	988	.663					
650	55	35.021	2.02	993	.681					
700	55	35.021	1.97	998	.699					
750	55	35.021	1.92	1003	.717					
800	55	35.021	1.87	1008	.735					
850	55	35.021	1.82	1013	.753					
900	55	35.021	1.77	1018	.771					
950	55	35.021	1.72	1023	.789					
1000	55	35.021	1.67	1028	.807					
1050	55	35.021	1.62	1033	.825					
1100	55	35.021	1.57	1038	.843					
1150	55	35.021	1.52	1043	.861					
1200	55	35.021	1.47	1048	.879					

CAST EP6-79-0C-030 DATE 29 OCT 79 TIME 0827 GMT
LAT 00 02.5N LONG 105 00.6W

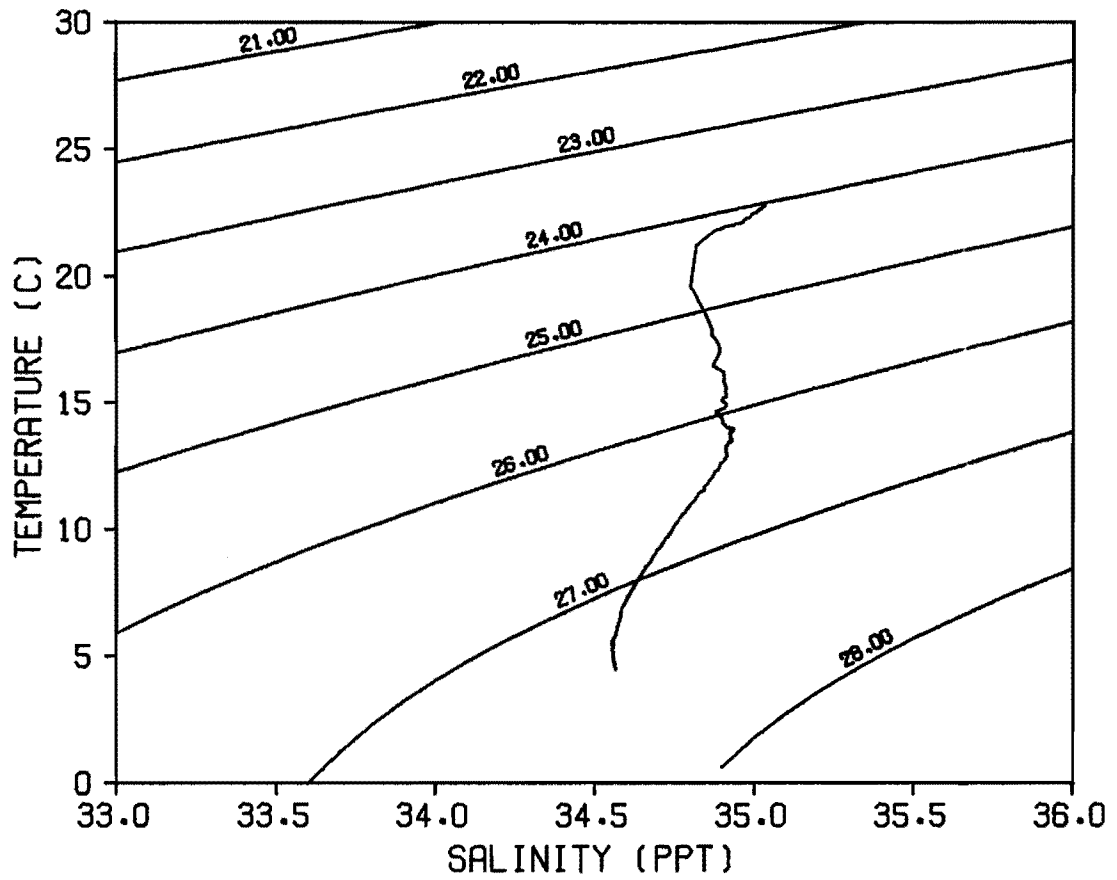


CAST EP6-79-DC-030 DATE 29 OCT 79 TIME 0827 GMT
 LAT 00 02.5N LONG 105 00.6W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 130 T SPD 16 KT VISIBILITY M
 CLOUD 3 AMOUNT 8 DRY 23.0 WET 20.3 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	DOY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	23.029	35.025	4.72	23.962	.000
3	23.034	35.025	4.73	23.961	.040
10	22.039	35.023	4.79	23.958	.079
20	22.081	35.017	4.68	23.957	.154
30	22.235	34.981	4.53	24.017	.190
40	22.114	34.909	4.12	24.396	.225
50	21.130	34.894	4.07	24.398	.261
60	21.110	34.845	4.08	24.816	.289
70	21.107	34.845	4.10	25.340	.338
80	21.257	34.862	2.99	25.606	.360
100	16.675	34.899	2.49	25.768	.381
110	15.074	34.890	2.22	25.993	.422
120	14.719	34.925	2.22	26.098	.460
130	14.487	34.921	2.22	26.135	.479
140	14.287	34.940	2.22	26.223	.513
150	14.062	34.966	2.57	26.327	.537
160	13.529	34.948	2.44	26.463	.699
170	13.529	34.948	2.22	26.585	.844
180	13.104	34.938	2.22	26.947	.908
190	13.024	34.925	2.22	27.017	.923
200	12.942	34.890	2.22	27.046	.923
250	11.729	34.806	3.63	27.107	1.027
300	11.022	34.729	4.71	27.157	1.178
400	9.562	34.665	8.8	27.250	1.225
500	8.257	34.634	9.8	27.290	1.271
600	7.074	34.591	11.1	27.330	1.313
700	6.510	34.581	11.1	27.350	1.356
800	5.147	34.557	11.1	27.378	1.436
900	4.333	34.558	11.1	27.396	
950	4.739	34.561	11.1		
1000	4.598	34.564	11.1		
1002					

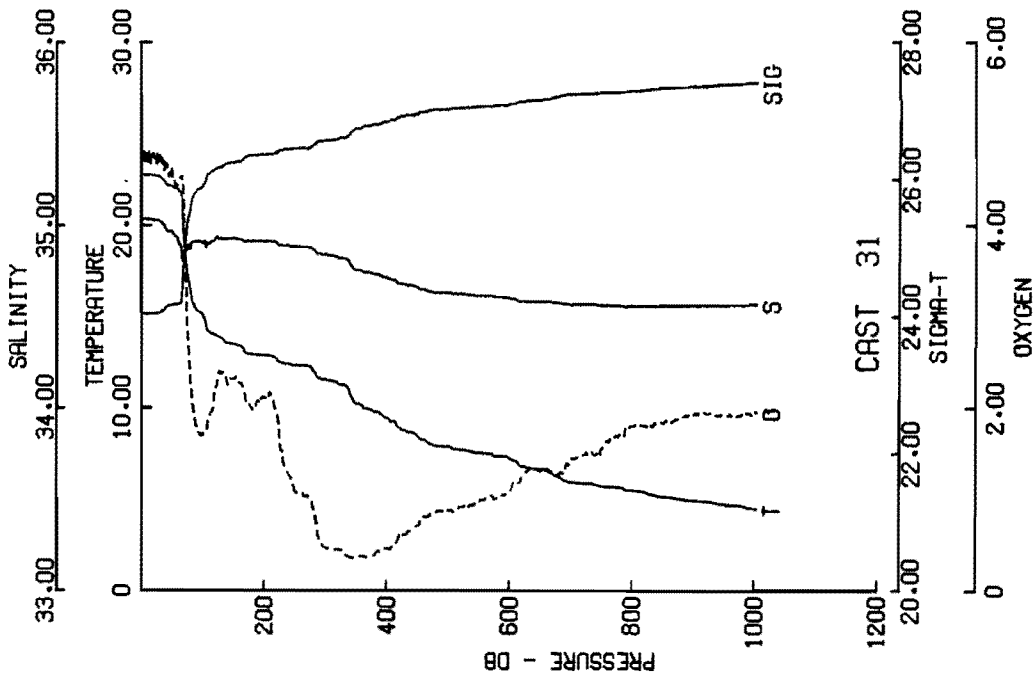


CAST EP6-79-0C-031 DATE 29 OCT 79 TIME 1251 GMT
LAT 00 30.3N LONG 105 00.0W

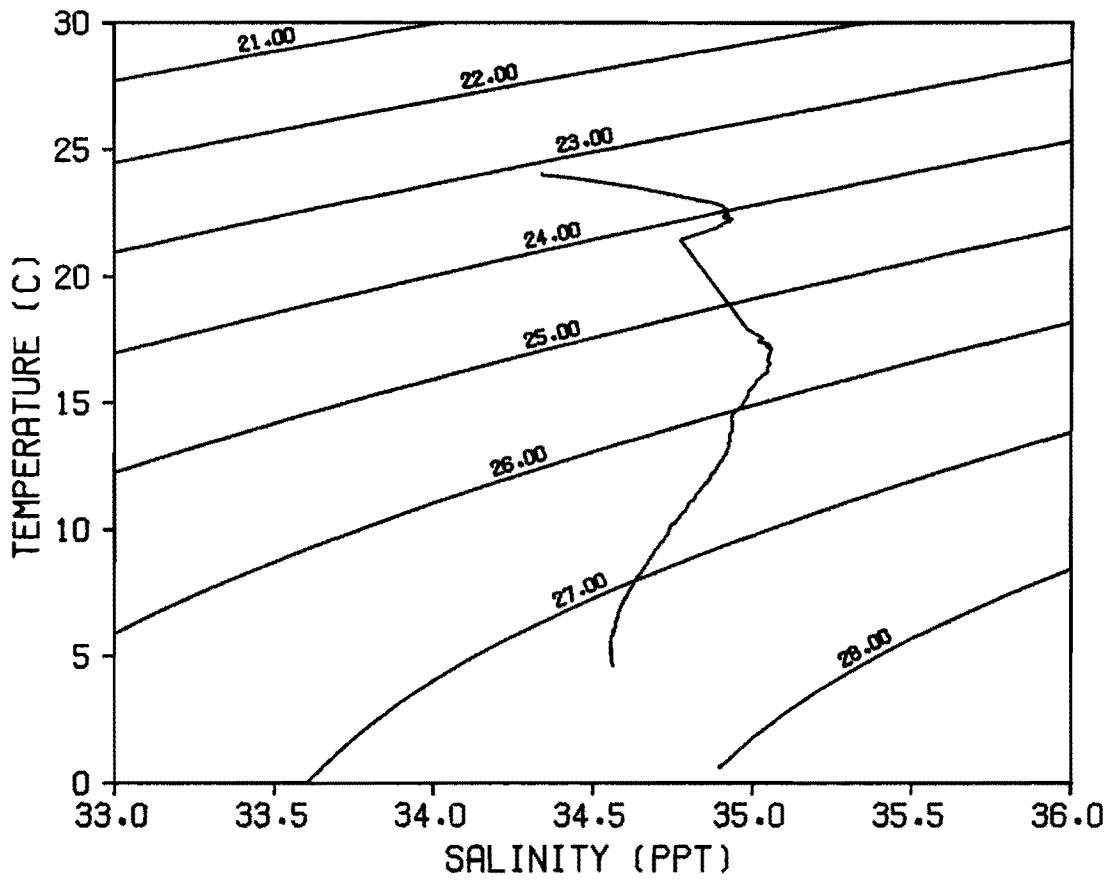


CAST 00 30.3N LONG 105 00.0W DATE 29 OCT 79 TIME 1251 GMT
 BAROMETER 26 WIND DIR 150 T SPD 13 KT SEA STATE 4
 CLOUD 8 AMOUNT 3 WIND DRY 22.4 WET 20.5 VISIBILITY 7 M

PRES (DB)	TEMP (C)	SAL (PPT)	DXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	22.770	35.030	4.77	24.040	0.00
10	22.775	35.033	4.77	24.041	0.00
20	22.775	35.035	4.76	24.042	0.00
30	22.799	35.025	4.76	24.045	0.00
40	22.813	34.984	4.62	24.057	0.00
50	22.813	34.920	4.59	24.073	0.00
60	21.861	34.871	4.46	24.118	0.00
70	19.476	34.831	4.34	24.194	0.00
80	15.419	34.811	4.30	24.256	0.00
90	11.012	34.899	4.18	24.329	0.00
100	7.203	34.925	4.02	24.414	0.00
110	3.877	34.931	3.87	24.518	0.00
120	1.133	34.931	3.76	24.645	0.00
130	0.515	34.931	3.67	24.791	0.00
140	0.229	34.931	3.61	24.955	0.00
150	0.063	34.915	3.50	25.139	0.00
160	0.228	34.915	3.40	25.343	0.00
170	0.885	34.914	3.28	25.566	0.00
180	2.248	34.864	3.10	25.814	0.00
190	4.453	34.755	2.88	26.088	0.00
200	7.462	34.611	2.61	26.390	0.00
250	15.238	34.614	2.36	26.927	0.00
300	22.453	34.601	2.10	27.500	0.00
350	28.628	34.580	1.88	28.114	0.00
400	33.308	34.587	1.67	28.768	0.00
450	36.521	34.563	1.49	29.461	0.00
500	38.278	34.550	1.35	30.193	0.00
550	38.736	34.560	1.22	30.964	0.00
600	37.779	34.562	1.10	31.774	0.00
650	34.467	34.567	0.95	32.622	0.00
700	29.730	34.566	0.82	33.507	0.00
750	23.730	34.566	0.71	34.428	0.00
800	16.467	34.566	0.62	35.384	0.00
850	8.730	34.566	0.55	36.374	0.00
900	0.467	34.566	0.50	37.396	0.00
950		34.566	0.46	38.449	0.00
1000		34.566	0.41	39.532	0.00
1003		34.566	0.37	40.644	0.00

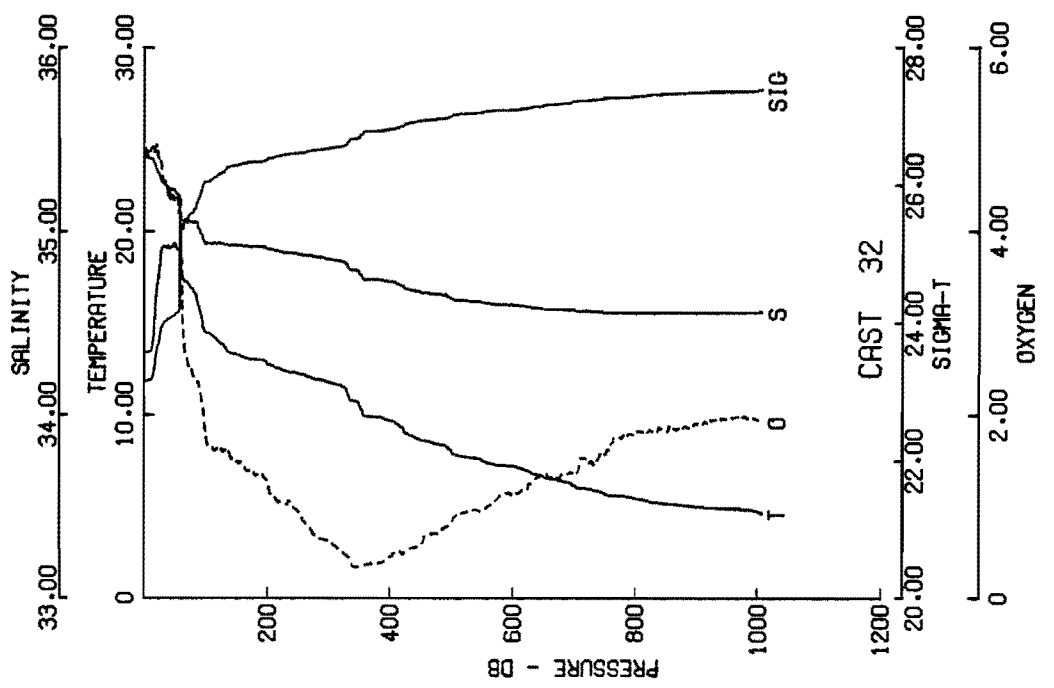


CAST EP6-79-0C-032 DATE 29 OCT 79 TIME 1709 GMT
LAT 01 00.5N LONG 105 00.6W

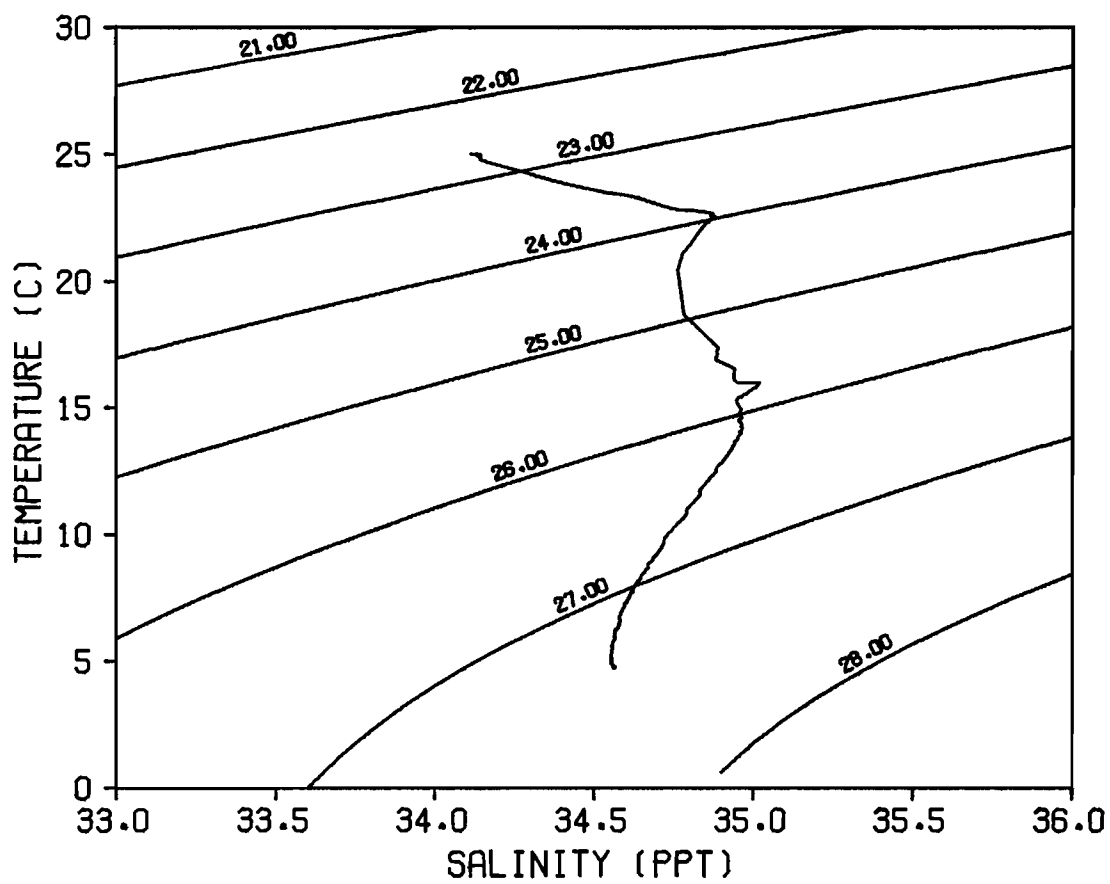


CAST EP6-79-DC-032 DATE 29 OCT 79 TIME 1709 GMT
 LAT 01 00.5N LONG 105 00.6W WEATHER 1 SEA STATE 3
 BAROMETER 14 WIND DIR 140 T SPD 16 KT VISIBILITY 7 M
 CLOUD 8 AMOUNT 4 DRY 24.2 MET 21.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	17.5	34.31	4.97	3.136	.007
10	17.3	34.37	4.87	3.136	.047
20	17.2	34.43	4.92	3.136	.094
30	17.1	34.49	4.95	3.136	.135
40	17.0	34.53	4.98	3.136	.174
50	16.9	34.56	4.99	3.136	.210
60	16.8	34.58	5.00	3.136	.245
70	16.7	34.60	5.01	3.136	.275
80	16.6	34.62	5.02	3.136	.300
90	16.5	34.63	5.03	3.136	.323
100	16.4	34.64	5.04	3.136	.344
110	16.3	34.65	5.05	3.136	.363
120	16.2	34.66	5.06	3.136	.383
130	16.1	34.67	5.07	3.136	.402
140	16.0	34.68	5.08	3.136	.421
150	15.9	34.69	5.09	3.136	.436
160	15.8	34.70	5.10	3.136	.454
170	15.7	34.71	5.11	3.136	.474
180	15.6	34.72	5.12	3.136	.491
190	15.5	34.73	5.13	3.136	.508
200	15.4	34.74	5.14	3.136	.526
250	15.2	34.76	5.16	3.136	.600
300	15.0	34.78	5.18	3.136	.690
350	14.8	34.81	5.22	3.136	.760
400	14.6	34.84	5.27	3.136	.837
450	14.4	34.87	5.32	3.136	.917
500	14.2	34.90	5.37	3.136	.997
550	14.0	34.93	5.42	3.136	1.077
600	13.8	34.96	5.47	3.136	1.157
650	13.6	34.99	5.52	3.136	1.237
700	13.4	35.02	5.57	3.136	1.317
750	13.2	35.05	5.62	3.136	1.397
800	13.0	35.08	5.67	3.136	1.477
850	12.8	35.11	5.72	3.136	1.557
900	12.6	35.14	5.77	3.136	1.637
950	12.4	35.17	5.82	3.136	1.717
1000	12.2	35.20	5.87	3.136	1.797
1050	12.0	35.23	5.92	3.136	1.877
1100	11.8	35.26	5.97	3.136	1.957
1150	11.6	35.29	6.02	3.136	2.037
1200	11.4	35.32	6.07	3.136	2.117

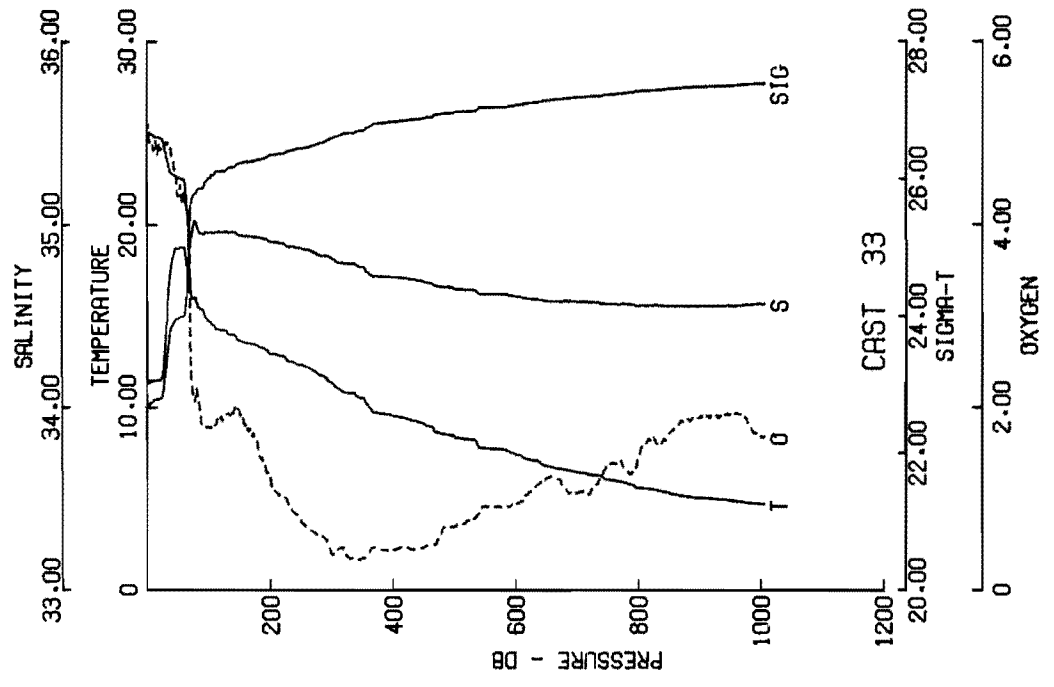


CAST EP6-79-0C-033 DATE 29 OCT 79 TIME 2142 GMT
LAT 01 29.6N LONG 105 00.4W

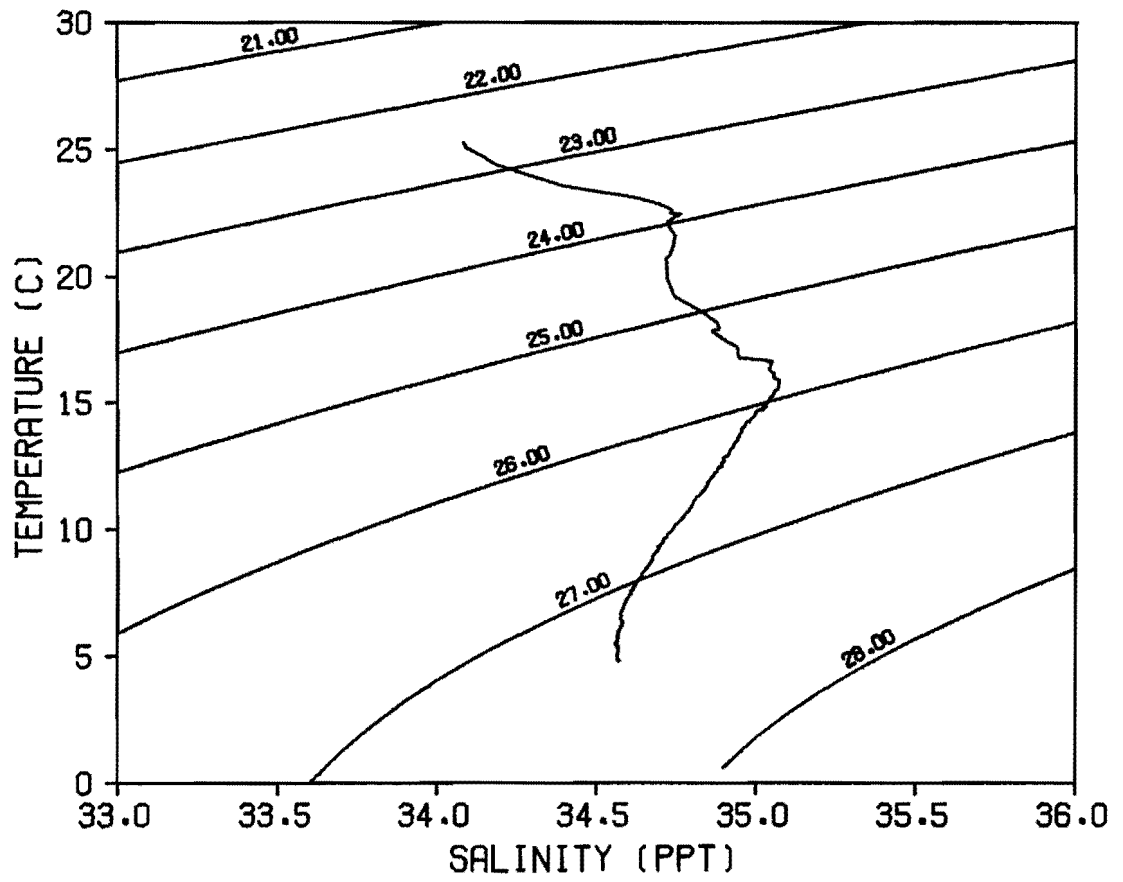


CAST 01 29.6N LONG 105 00.4W WEATHER 2 TIME 2142 GMT
 BAROMETER 1.0 WIND DIR 150 Y SPD 17 KT VISIBILITY 8
 CLOUD 8 AMOUNT 7 WET 25.5 MET 22.0

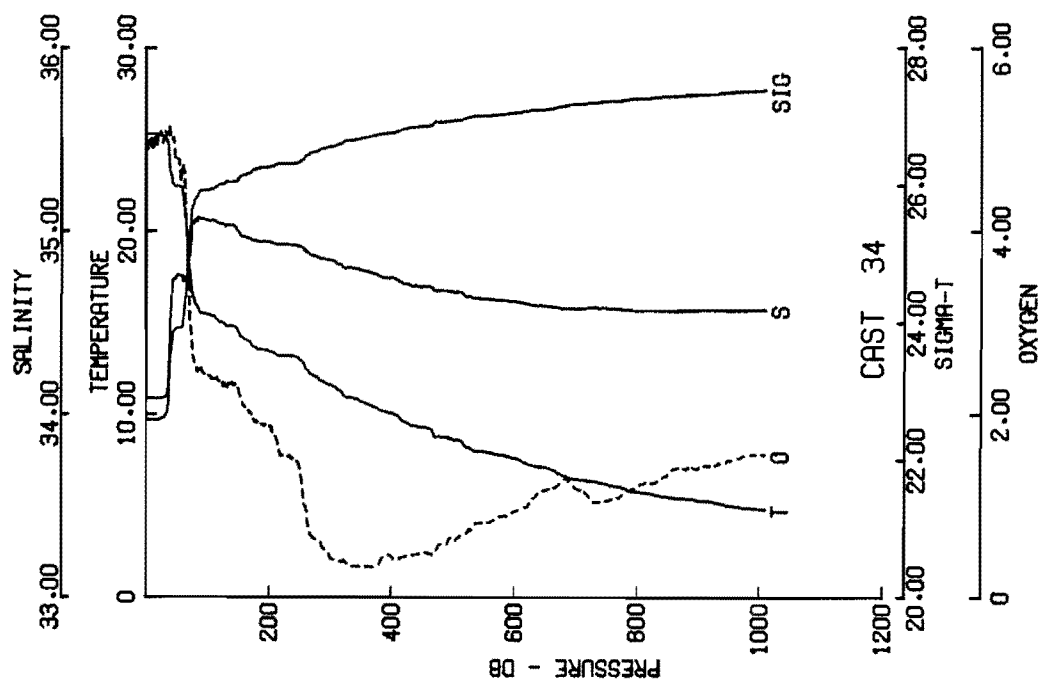
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	15	34.114	5.13	22.687	0.00
10	24.903	34.1146	4.89	22.745	0.051
20	24.770	34.126	4.87	22.785	0.102
30	24.115	34.176	4.82	22.827	0.157
40	22.819	34.268	4.73	22.869	0.217
50	22.589	34.375	4.63	22.903	0.276
60	22.489	34.482	4.53	22.938	0.331
70	22.401	34.593	4.43	22.974	0.386
80	22.323	34.708	4.33	23.011	0.441
90	22.256	34.826	4.23	23.048	0.496
100	22.200	34.946	4.13	23.086	0.551
110	22.154	35.068	4.03	23.124	0.606
120	22.118	35.192	3.93	23.162	0.661
130	22.091	35.318	3.83	23.201	0.716
140	22.072	35.445	3.73	23.240	0.771
150	22.060	35.573	3.63	23.279	0.826
160	22.055	35.702	3.53	23.318	0.881
170	22.055	35.832	3.43	23.357	0.936
180	22.059	35.963	3.33	23.396	0.991
190	22.067	36.094	3.23	23.435	1.046
200	22.078	36.226	3.13	23.474	1.101
250	22.100	36.359	3.03	23.513	1.156
300	22.124	36.492	2.93	23.552	1.211
350	22.150	36.626	2.83	23.591	1.266
400	22.177	36.760	2.73	23.630	1.321
450	22.205	36.894	2.63	23.669	1.376
500	22.233	37.028	2.53	23.708	1.431
550	22.261	37.162	2.43	23.747	1.486
600	22.288	37.296	2.33	23.786	1.541
650	22.315	37.430	2.23	23.825	1.596
700	22.342	37.564	2.13	23.864	1.651
750	22.368	37.698	2.03	23.903	1.706
800	22.394	37.832	1.93	23.942	1.761
850	22.419	37.966	1.83	23.981	1.816
900	22.444	38.100	1.73	24.020	1.871
950	22.468	38.234	1.63	24.059	1.926
1000	22.491	38.368	1.53	24.098	1.981
1005	22.506	38.492	1.43	24.137	2.036
1010	22.521	38.616	1.33	24.176	2.091
1015	22.536	38.740	1.23	24.215	2.146
1020	22.551	38.864	1.13	24.254	2.201
1025	22.566	38.988	1.03	24.293	2.256
1030	22.581	39.112	0.93	24.332	2.311
1035	22.596	39.236	0.83	24.371	2.366
1040	22.611	39.360	0.73	24.410	2.421
1045	22.626	39.484	0.63	24.449	2.476
1050	22.641	39.608	0.53	24.488	2.531
1055	22.656	39.732	0.43	24.527	2.586
1060	22.671	39.856	0.33	24.566	2.641
1065	22.686	39.980	0.23	24.605	2.696
1070	22.701	40.104	0.13	24.644	2.751
1075	22.716	40.228	0.03	24.683	2.806
1080	22.731	40.352	0.03	24.722	2.861
1085	22.746	40.476	0.03	24.761	2.916
1090	22.761	40.600	0.03	24.800	2.971
1095	22.776	40.724	0.03	24.839	3.026
1100	22.791	40.848	0.03	24.878	3.081
1105	22.806	40.972	0.03	24.917	3.136
1110	22.821	41.096	0.03	24.956	3.191
1115	22.836	41.220	0.03	24.995	3.246
1120	22.851	41.344	0.03	25.034	3.301
1125	22.866	41.468	0.03	25.073	3.356
1130	22.881	41.592	0.03	25.112	3.411
1135	22.896	41.716	0.03	25.151	3.466
1140	22.911	41.840	0.03	25.190	3.521
1145	22.926	41.964	0.03	25.229	3.576
1150	22.941	42.088	0.03	25.268	3.631
1155	22.956	42.212	0.03	25.307	3.686
1160	22.971	42.336	0.03	25.346	3.741
1165	22.986	42.460	0.03	25.385	3.796
1170	22.999	42.584	0.03	25.424	3.851
1175	23.013	42.708	0.03	25.463	3.906
1180	23.027	42.832	0.03	25.502	3.961
1185	23.041	42.956	0.03	25.541	4.016
1190	23.055	43.080	0.03	25.580	4.071
1195	23.069	43.204	0.03	25.619	4.126
1200	23.083	43.328	0.03	25.658	4.181



CAST EP6-79-0C-034 DATE 30 OCT 79 TIME 0149 GMT
LAT 01 58.0N LONG 105 00.1W

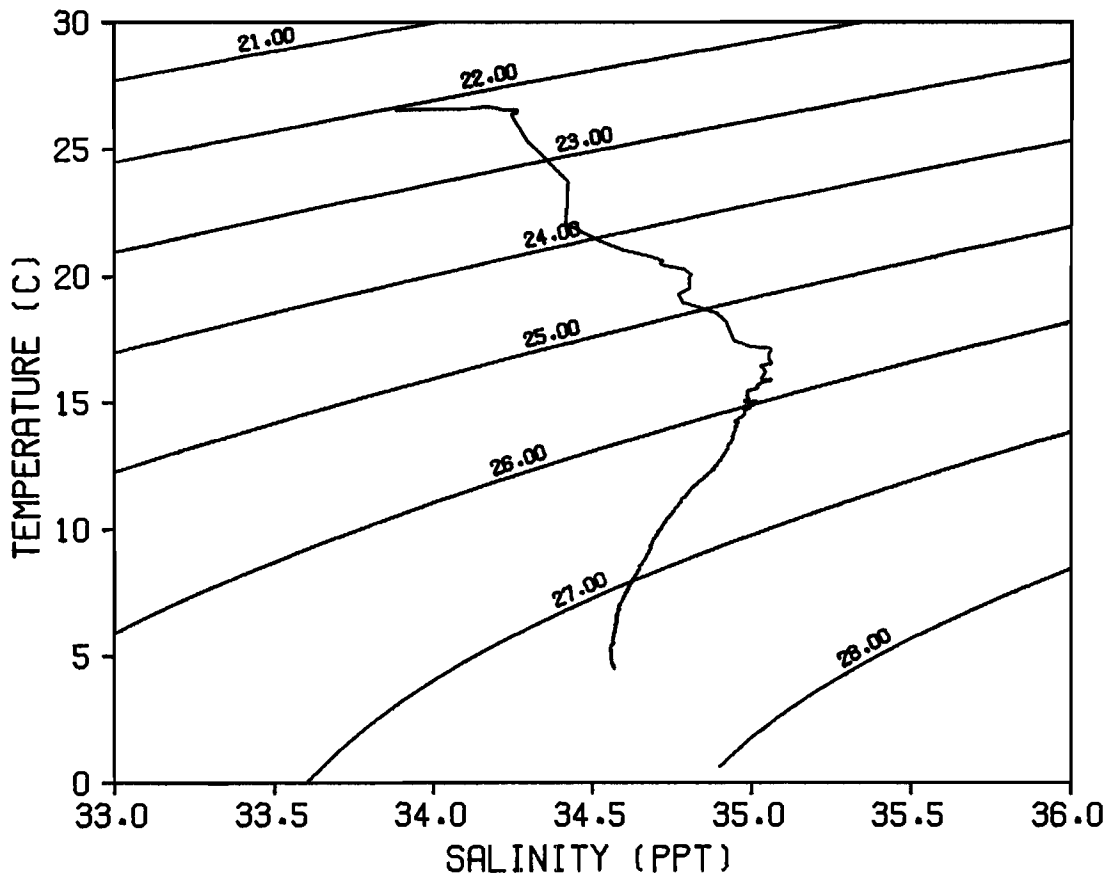


CAST 01 EP6-79-DC-034 DATE 30 OCT 79 TIME 0149 GMT
 LAT 58.0N LONG 105 00.1W WEATHER 1 VIS STATE 5
 BAROMETER 8 WIND 160 T SPD 17 KT VISIBILITY 7 M
 CLOUD 8 AMOUNT 6 DRY 25.2 WET 22.6 DEPTH



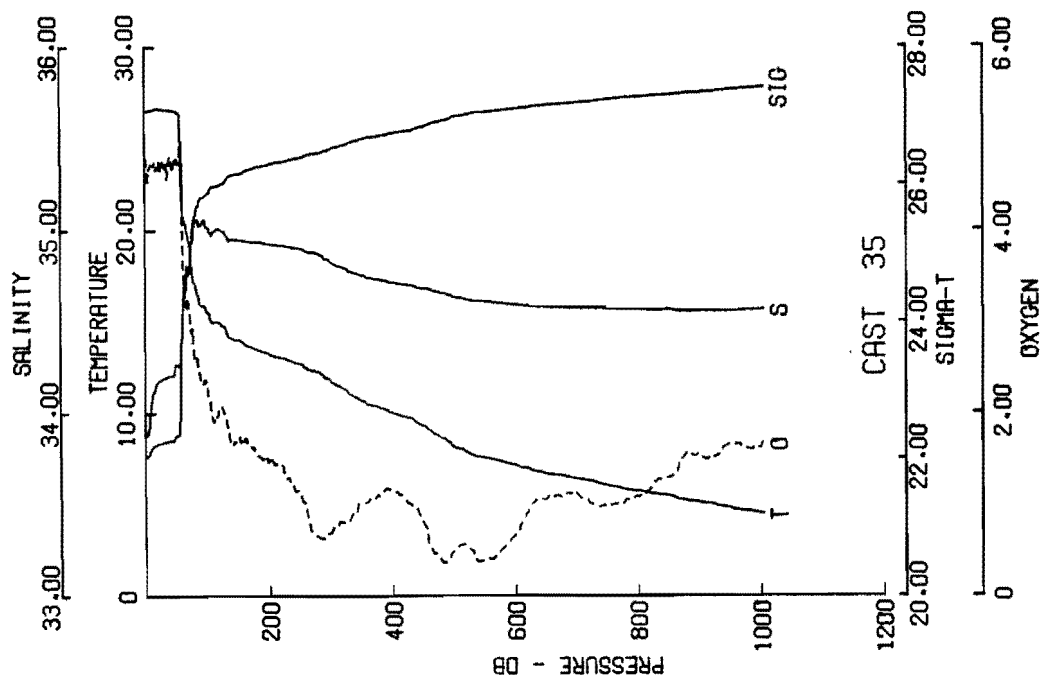
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	21.81	34.086	5.014	22.585	.000
10	22.93	34.087	5.013	22.583	.053
20	23.74	34.085	5.003	22.587	.158
30	23.183	34.089	5.009	22.617	.250
40	22.445	34.093	5.029	22.511	.290
50	22.128	34.097	5.076	22.920	.324
60	21.939	34.098	5.232	25.800	.371
70	21.543	34.099	5.345	25.932	.413
80	21.371	34.096	5.441	26.014	.433
100	21.035	34.094	5.525	26.056	.474
110	20.828	34.092	5.535	26.089	.474
120	20.542	34.090	5.520	26.150	.513
130	20.310	34.089	5.504	26.247	.550
140	20.155	34.087	5.494	26.342	.587
150	19.965	34.086	5.487	26.420	.617
160	19.718	34.084	5.482	26.581	.733
170	19.425	34.083	5.477	26.660	.904
180	19.105	34.082	5.474	26.764	.970
190	18.754	34.081	5.473	26.850	.970
200	18.382	34.080	5.473	26.910	.970
250	17.025	34.077	5.466	27.002	.970
300	15.671	34.075	5.459	27.052	.970
350	14.318	34.073	5.453	27.081	.970
400	12.967	34.071	5.447	27.101	.970
450	11.615	34.069	5.441	27.117	.970
500	10.263	34.067	5.435	27.129	.970
550	8.911	34.065	5.429	27.136	.970
600	7.559	34.063	5.423	27.140	.970
650	6.207	34.061	5.417	27.141	.970
700	4.855	34.059	5.411	27.140	.970
750	3.503	34.057	5.405	27.138	.970
800	2.151	34.055	5.399	27.135	.970
850	0.799	34.053	5.393	27.131	.970
900	0.447	34.051	5.387	27.127	.970
950	0.095	34.049	5.381	27.122	.970
1000	0.743	34.047	5.375	27.117	.970

CAST EP6-79-0C-035 DATE 30 OCT 79 TIME 0858 GMT
LAT 03 01.5N LONG 104 57.8W

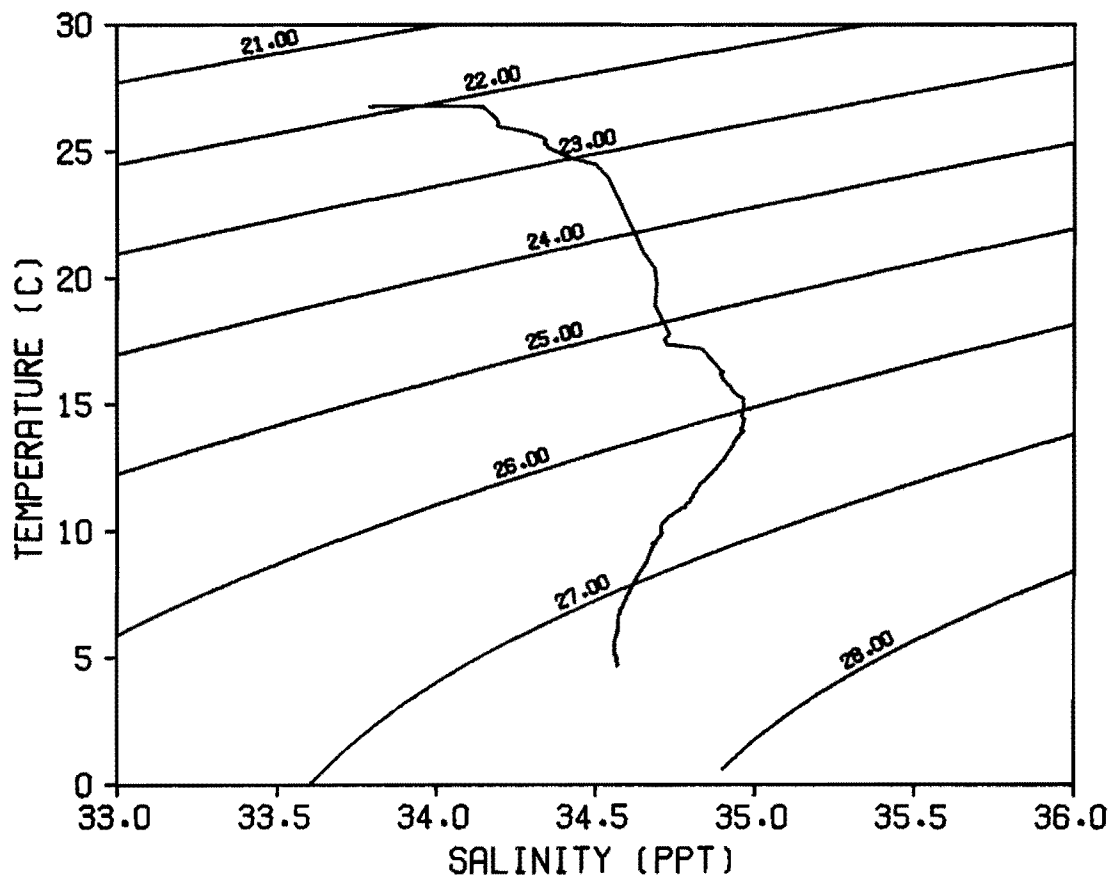


CAST EP6-79-CC-035 DATE 30 OCT 79 TIME 0758 GMT
 LAT 03 01.5N LONG 104 27.6W WEATHER 2 SEA STATE 3
 BAROMETER 11 WIND DIR 130 T SPD 10 KT VISIBILITY 8
 CLCUD X AMOUNT 6 DEW 25.0 NET 22.0 DEPTH

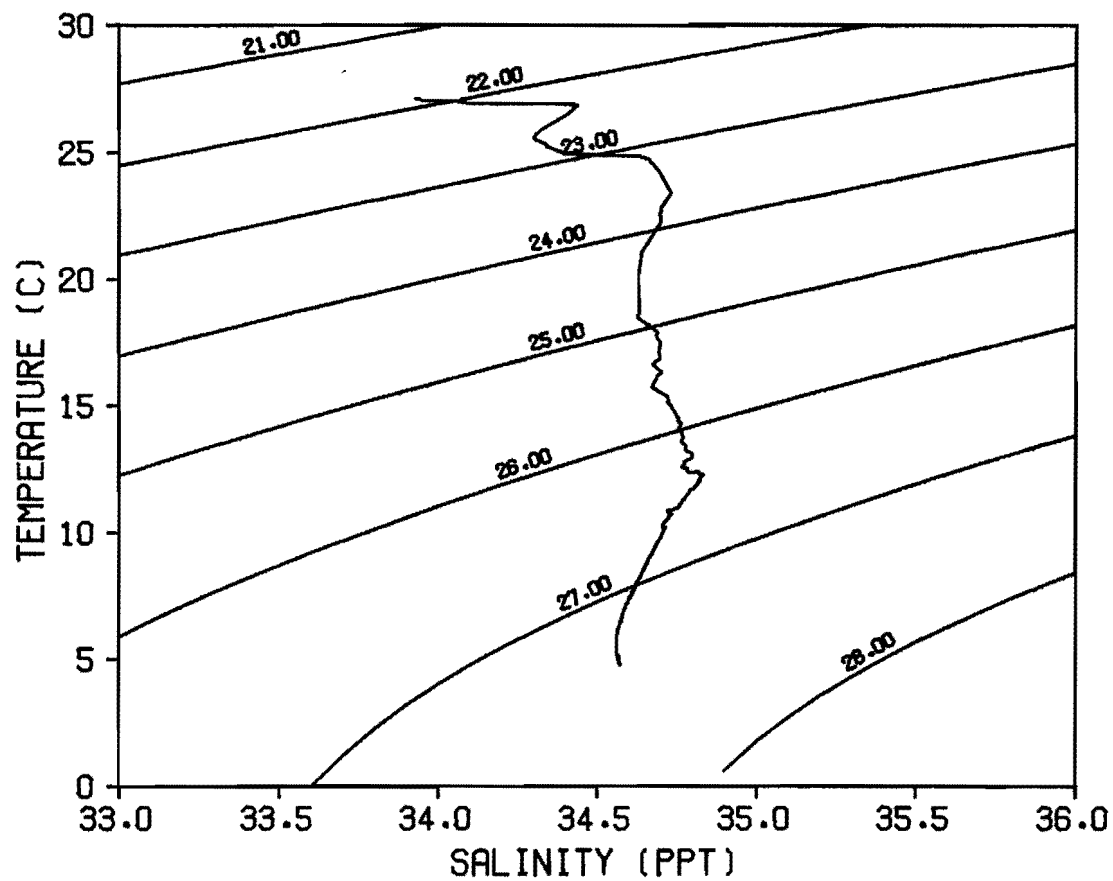
PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26.537	33.871	4.75	22.037	.000
1	26.535	33.868	4.74	22.046	.058
10	26.670	34.066	4.74	22.214	.170
20	26.670	34.191	4.76	22.269	.226
30	26.529	34.207	4.79	22.333	.334
40	26.521	34.247	4.81	22.403	.369
50	26.476	34.240	4.92	22.476	.442
60	26.476	34.240	4.99	22.535	.464
70	26.450	34.205	5.19	22.585	.505
80	26.428	34.150	5.29	22.635	.543
90	26.411	34.081	5.47	22.681	.589
100	26.406	34.083	5.70	22.726	.617
110	26.390	34.099	5.95	22.768	.652
120	26.350	34.099	6.17	22.807	.682
130	26.333	34.095	6.43	22.837	.722
140	26.319	34.095	6.70	22.861	.754
150	26.308	34.094	6.97	22.882	.782
160	26.294	34.092	7.20	22.903	.802
170	26.281	34.092	7.43	22.921	.822
180	26.270	34.092	7.65	22.937	.842
190	26.250	34.092	7.87	22.953	.854
200	26.237	34.092	8.08	22.968	.864
250	26.172	34.085	8.25	23.000	.884
300	26.102	34.075	8.41	23.032	.904
350	26.021	34.073	8.55	23.064	.922
400	26.021	34.073	8.71	23.096	.934
450	26.021	34.073	8.87	23.128	.944
500	26.021	34.073	9.03	23.160	.954
550	26.021	34.073	9.19	23.192	.964
600	26.021	34.073	9.35	23.224	.974
650	26.021	34.073	9.51	23.256	.984
700	26.021	34.073	9.67	23.288	.994
750	26.021	34.073	9.83	23.320	.994
800	26.021	34.073	9.99	23.352	.994
850	26.021	34.073	10.15	23.384	.994
900	26.021	34.073	10.31	23.416	.994
950	26.021	34.073	10.47	23.448	.994
1000	26.021	34.073	10.63	23.480	.994
1004	26.021	34.073	10.79	23.512	.994



CAST EP6-79-0C-036 DATE 30 OCT 79 TIME 1518 GMT
LAT 04 00.0N LONG 104 58.4W

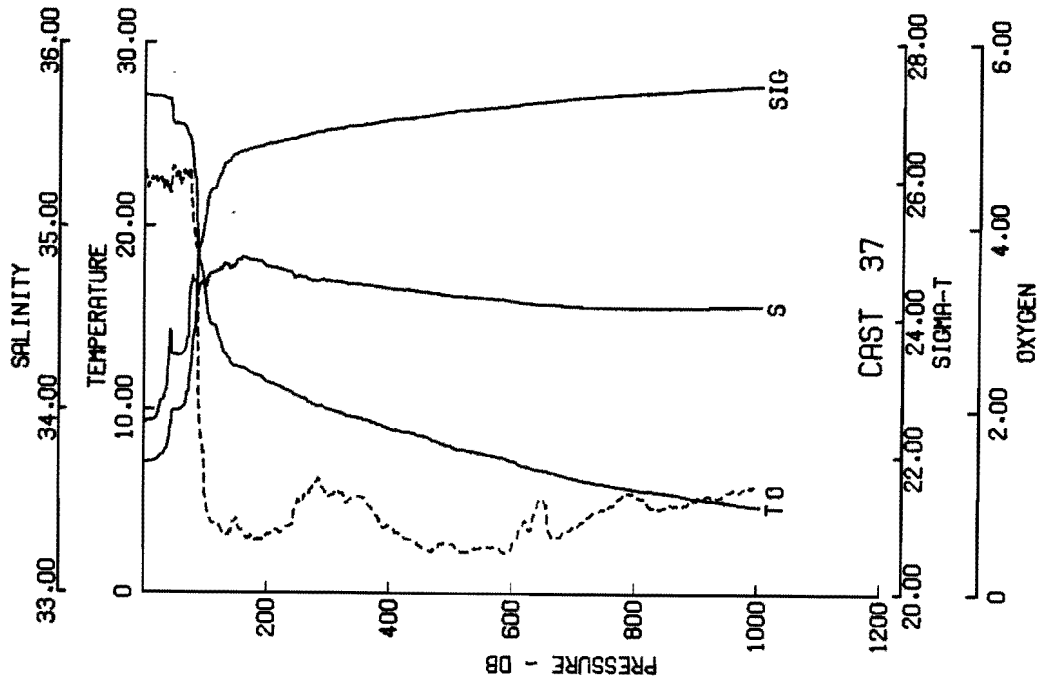


CAST EP6-79-0C-037 DATE 30 OCT 79 TIME 2159 GMT
LAT 05 00.4N LONG 105 00.3W

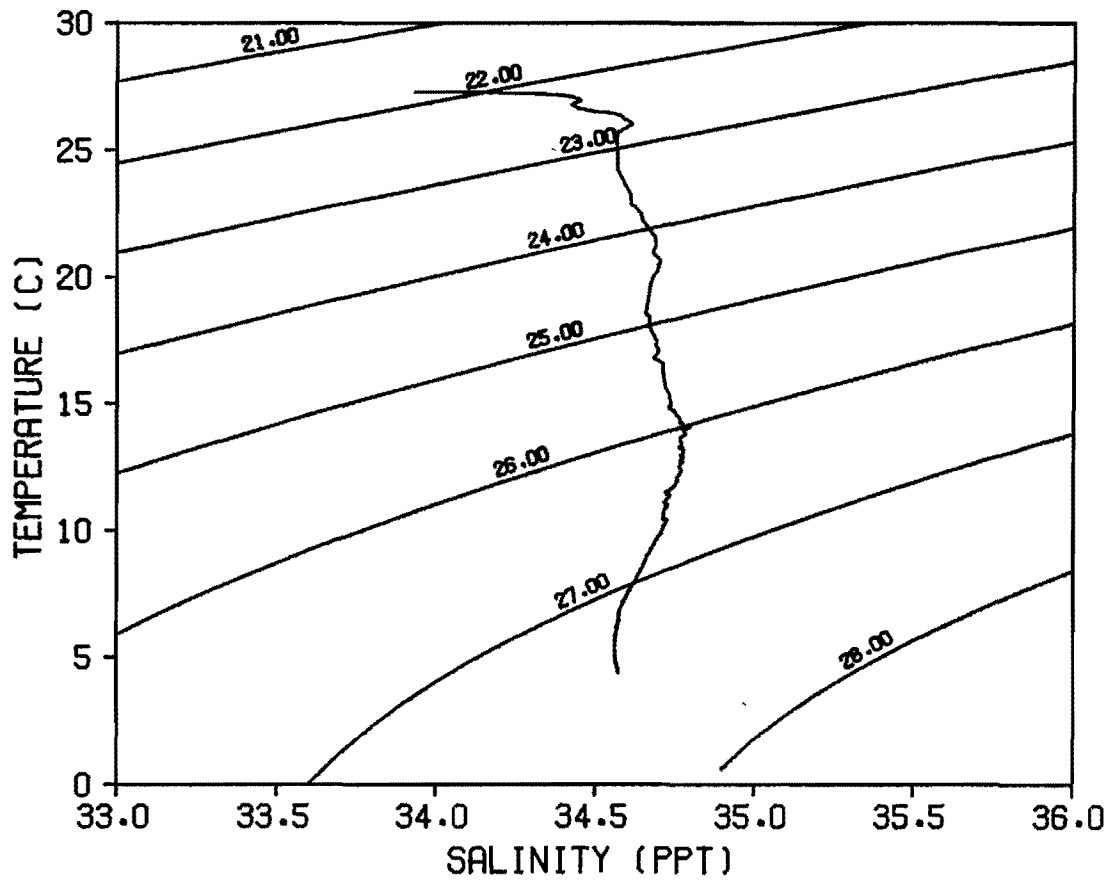


CAST EP6-79-0C-037 DATE 30 OCT 79 TIME 2159 GMT
 LAT 05 00.4N LONG 105 00.3W WEATHER 2 SEA STATE 3
 BAROMETER 10 WIND DIR 170 T SPD 17 KT VISIBILITY 8
 CLOUD 8 AMOUNT 7 DRY 27.5 WET 24.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.134	33.922	4.73	21.880	.000
3	27.122	33.920	4.69	21.890	.059
10	27.087	33.920	4.54	21.912	.177
20	27.061	33.907	4.42	22.009	.235
30	27.033	34.067	4.46	22.154	.289
40	26.912	34.130	4.53	22.268	.341
50	26.824	34.299	4.55	22.382	.393
60	26.730	34.470	4.03	22.498	.449
70	26.683	34.651	2.08	22.546	.507
80	16.619	34.701	1	22.593	.530
90	14.699	34.745	.65	22.640	.551
100	14.106	34.772	.67	22.687	.571
110	13.707	34.792	.79	22.733	.589
120	13.292	34.823	.60	22.779	.606
130	12.913	34.818	.67	22.824	.639
140	12.526	34.809	.59	22.869	.656
150	12.131	34.785	.63	22.914	.677
160	11.729	34.706	.69	22.959	.687
170	11.319	34.687	1.06	22.999	.703
180	10.908	34.664	1	23.040	.730
190	10.495	34.644	.52	23.081	.760
200	10.081	34.622	.57	23.122	.789
250	8.569	34.598	.50	23.163	.803
300	8.052	34.578	.48	23.204	.830
350	7.537	34.562	1.07	23.245	.860
400	7.021	34.551	1	23.286	.888
450	6.507	34.535	1.07	23.327	.930
500	6.000	34.525	1.03	23.368	.988
550	5.500	34.519	1.16	23.409	.972
600	5.000	34.511	1.16	23.450	.932
650	4.500	34.507	1.16	23.491	.880
700	4.000	34.500	1.16	23.532	.832
750	3.500	34.495	1.16	23.573	.781
800	3.000	34.491	1.16	23.614	.730
850	2.500	34.487	1.16	23.655	.680
900	2.000	34.483	1.16	23.696	.630
950	1.500	34.479	1.16	23.737	.580
1000	1.000	34.475	1.16	23.778	.530
1005	0.770	34.471	1.16	23.819	.480

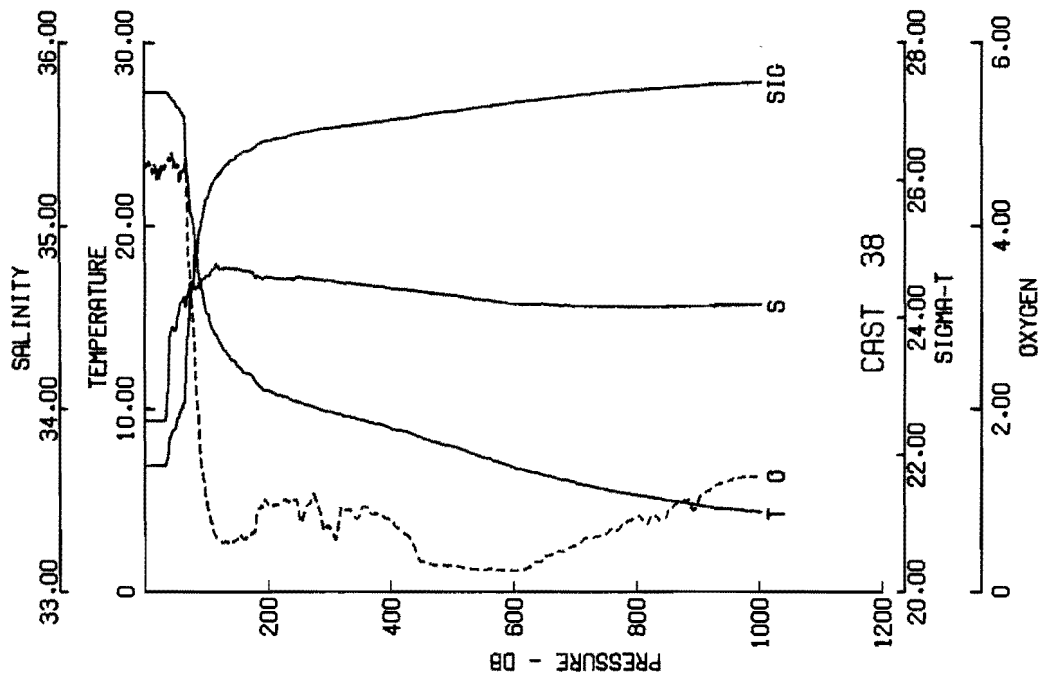


CAST EP6-79-0C-038 DATE 31 OCT 79 TIME 0437 GMT
LAT 06 00.0N LONG 105 00.0W

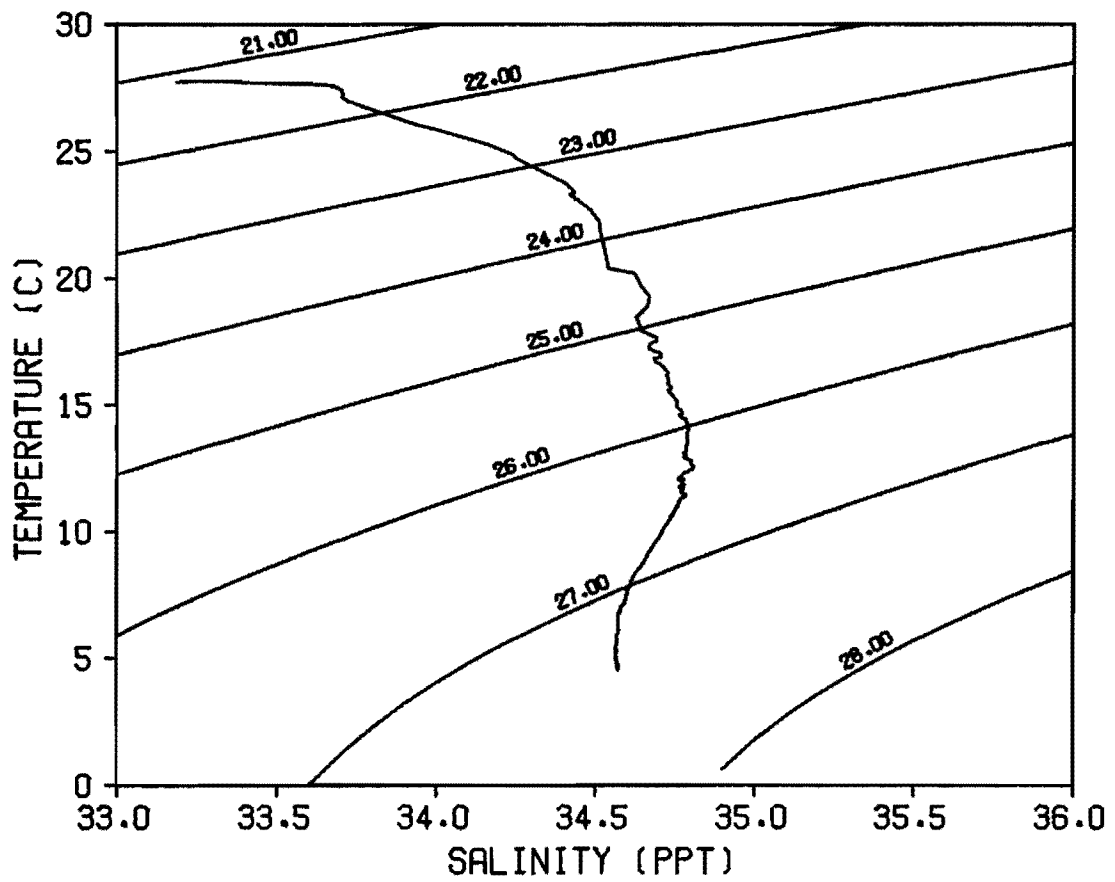


CAST 06 00.0N DATE 31 OCT 79 TIME 0437 GMT
 LAT 06 00.0N LONG 105 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 150 T SPD 16 KT VISIBILITY 7
 CLOUD 8 AMOUNT 6 DRY 26.2 WET 23.6 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.270	33.933	4.725	21.848	0.060
10	27.294	33.936	4.691	21.842	0.120
20	27.299	33.935	4.682	21.842	0.180
30	27.271	33.923	4.672	21.842	0.239
40	26.771	34.458	4.718	22.175	0.295
50	26.258	34.521	4.588	22.661	0.347
60	26.049	34.682	4.287	23.525	0.434
70	25.027	34.696	3.931	24.268	0.460
80	15.405	34.733	1.021	25.716	0.490
90	14.795	34.785	1.072	25.981	0.513
100	13.195	34.777	1.585	26.198	0.532
110	13.143	34.768	1.555	26.570	0.570
120	12.394	34.769	1.568	26.826	0.589
130	12.033	34.756	1.582	26.430	0.605
140	11.547	34.719	1.773	26.477	0.621
150	11.020	34.726	1.947	26.549	0.639
160	9.882	34.704	1.872	26.819	0.742
170	9.438	34.681	1.840	26.876	0.818
180	8.975	34.644	1.838	26.945	0.943
190	8.458	34.629	1.838	26.941	1.063
200	7.869	34.577	1.838	27.007	1.172
250	6.824	34.574	1.838	27.131	1.172
300	6.000	34.562	1.838	27.230	1.223
350	5.602	34.562	1.838	27.278	1.271
400	5.315	34.562	1.838	27.311	1.311
450	5.056	34.562	1.838	27.341	1.361
500	4.756	34.562	1.838	27.379	1.445
550	4.539	34.562	1.838	27.406	1.484
600	4.396	34.562	1.838	27.425	1.523
650	4.374	34.562	1.838	27.425	1.523
700	4.374	34.562	1.838	27.425	1.523
750	4.374	34.562	1.838	27.425	1.523
800	4.374	34.562	1.838	27.425	1.523
850	4.374	34.562	1.838	27.425	1.523
900	4.374	34.562	1.838	27.425	1.523
950	4.374	34.562	1.838	27.425	1.523
1000	4.374	34.562	1.838	27.425	1.523

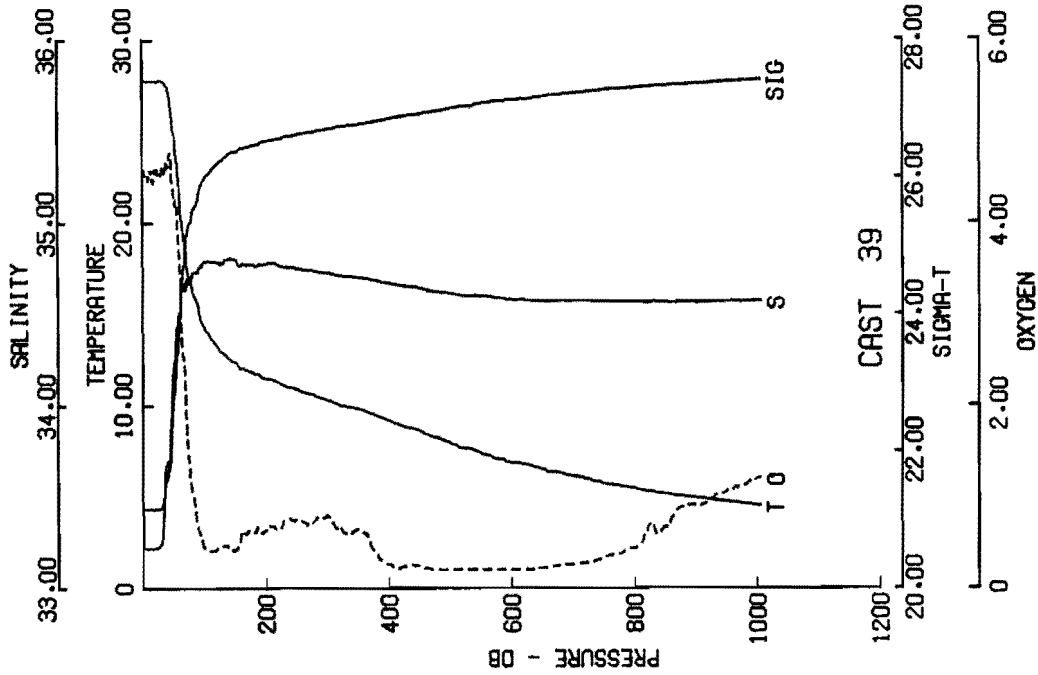


CAST EP6-79-0C-039 DATE 31 OCT 79 TIME 1146 GMT
LAT 06 58.0N LONG 104 58.5W

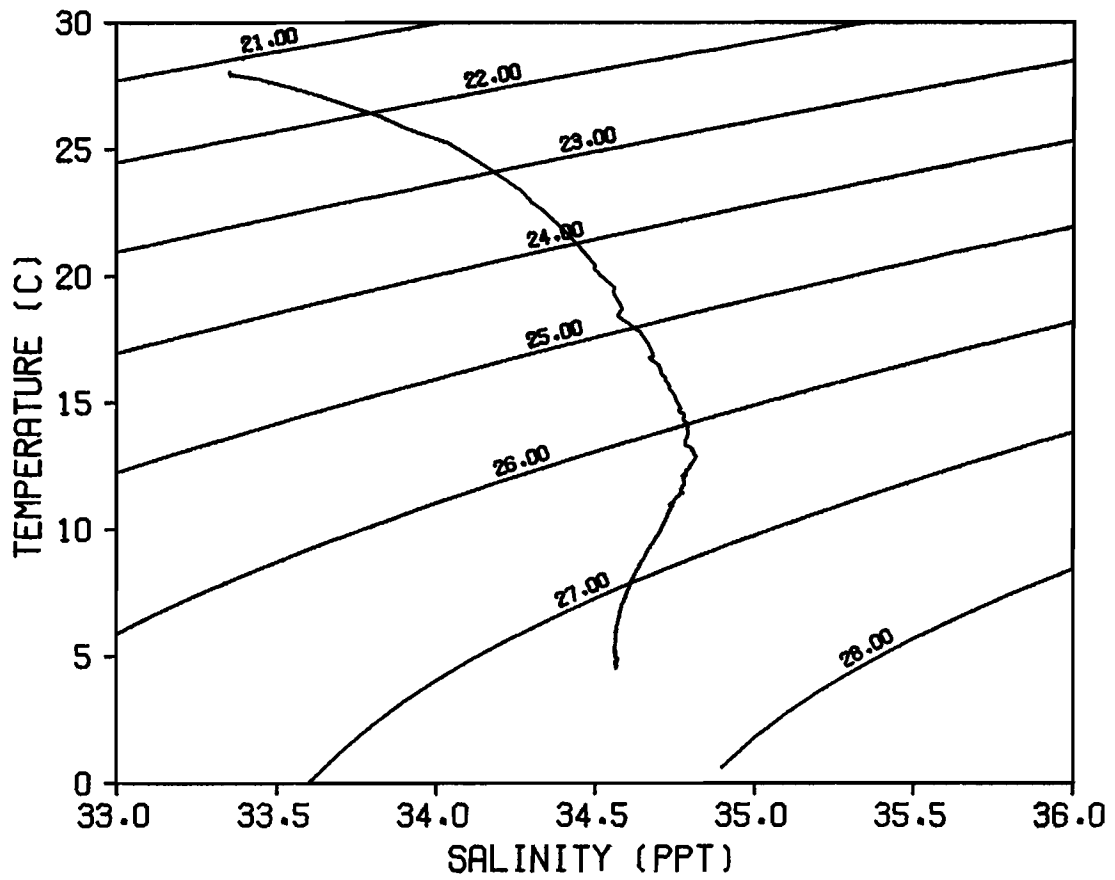


CAST EP6-79-0C-039 DATE 31 OCT 79 TIME 1146 GMT
 LAT 06 58.0N LONG 104 58.5W WEATHER 1 SEA STATE 3
 BAROMETER 99 WIND DIR 160 KT SPD 17 KT VISIBILITY 7
 CLOUD 8 AMOUNT 7 DRY 25.3 WET 23.6 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	DXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	27.741	33.187	4.09	1.136	.000
10	27.758	33.219	4.46	1.135	.066
20	27.761	33.220	4.34	2.113	.199
30	27.779	33.239	4.52	2.116	.262
40	27.502	33.290	4.37	2.122	.362
50	27.046	33.203	4.37	2.123	.403
60	27.009	33.251	3.09	2.125	.430
70	17.907	33.264	1.09	2.125	.455
80	16.537	33.277	.66	2.125	.476
90	15.559	33.272	.44	2.126	.514
100	14.345	33.285	.43	2.126	.534
110	13.802	33.289	.43	2.126	.552
120	13.316	33.277	.43	2.126	.585
130	12.586	33.266	.43	2.126	.618
140	12.009	33.260	.60	2.126	.650
150	12.029	33.277	.60	2.126	.729
160	11.962	33.273	.62	2.126	.868
170	11.784	33.271	.64	2.126	.937
180	11.678	33.275	.63	2.126	.967
190	11.497	33.272	.65	2.126	1.057
200	10.809	33.252	.80	2.126	1.167
300	9.821	33.272	.80	2.126	1.218
350	9.205	33.270	.64	2.126	1.314
400	8.632	33.264	.24	2.126	1.340
450	7.398	33.259	.21	2.126	1.340
500	7.398	33.259	.21	2.126	1.340
550	6.877	33.277	.21	2.126	1.340
600	6.532	33.270	.21	2.126	1.340
650	6.160	33.274	.26	2.126	1.340
700	5.738	33.266	.34	2.126	1.340
800	4.195	33.266	.67	2.126	1.340
850	3.965	33.265	.91	2.126	1.340
900	4.757	33.270	1.06	2.126	1.340
950	4.550	33.273	1.21	2.126	1.340
1000	4.525	33.271	1.21	2.126	1.340

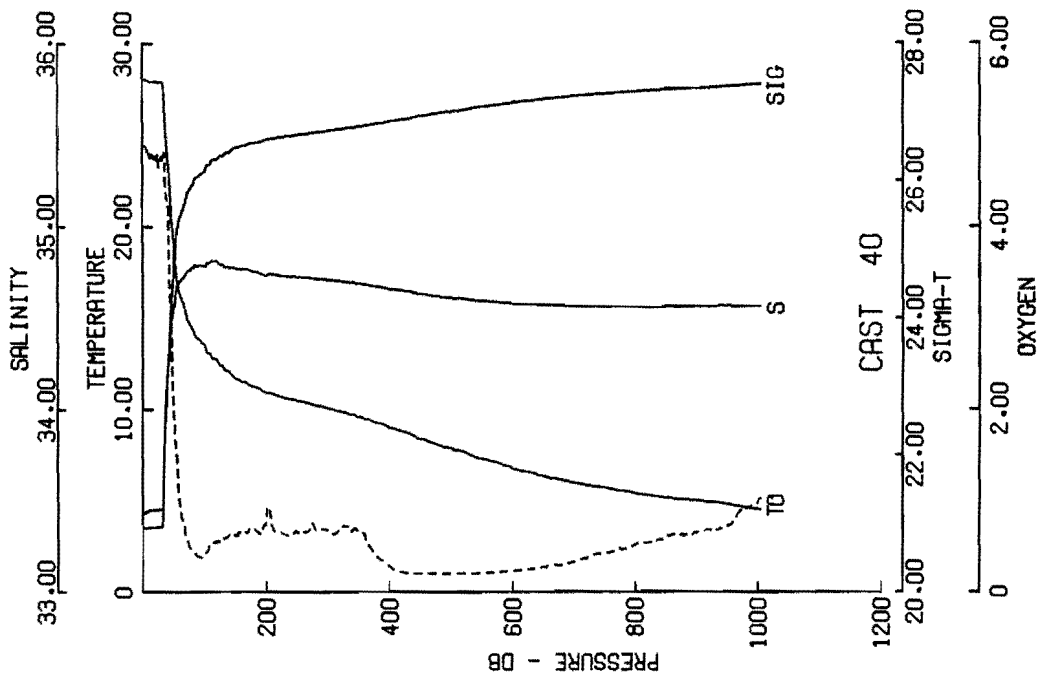


CAST EP6-79-0C-040 DATE 31 OCT 79 TIME 1858 GMT
LAT 08 01.2N LONG 104 59.6W

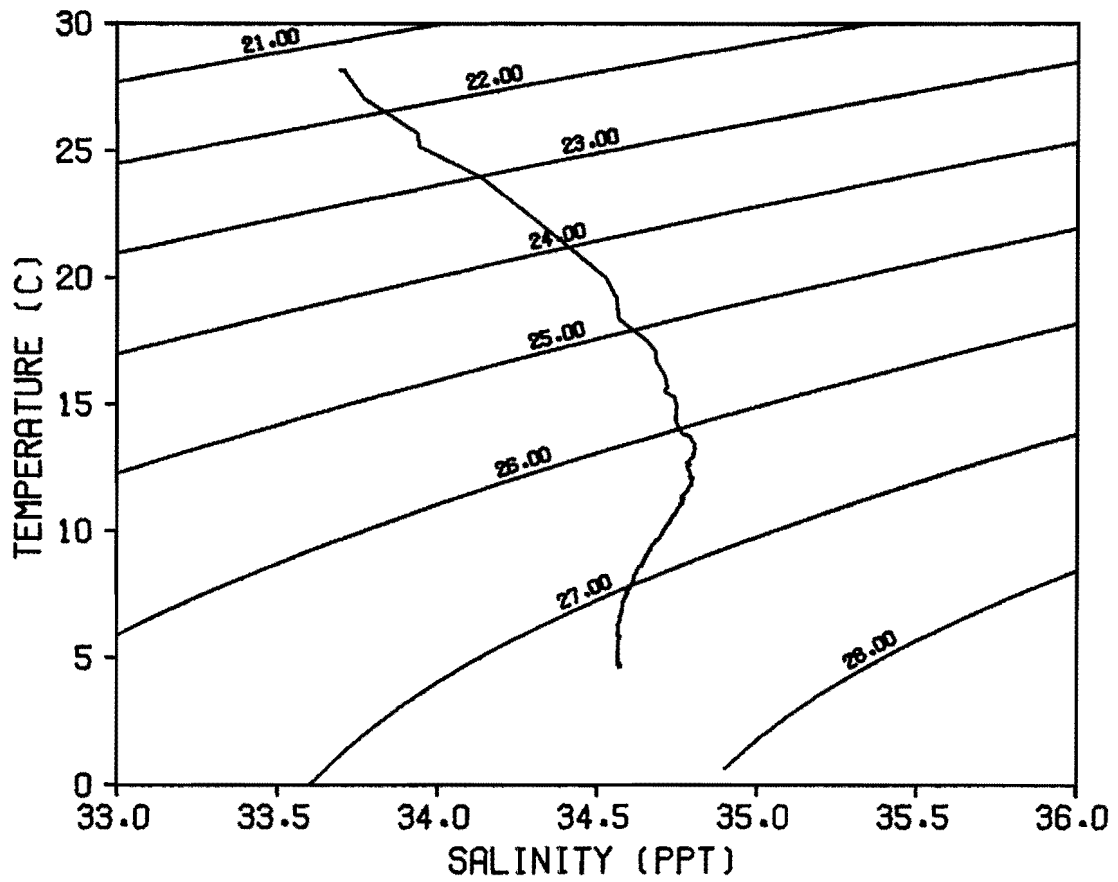


CAST EP6-79-DC-040 DATE 31 OCT 79 TIME 1458 GMT
 LAT OF 01.2N LONG 104.546W WEATHER 1
 BARUMETER 11 LIND DIR 210 T SPD 13 KT VISIBILITY 7
 CLCUD 6 AMOUNT 4 DAY 28.5 WET 24.5 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D
5	13	35	4.97	21.130	.000
10	13.0	33.352	4.881	21.188	.066
20	12.9	33.352	4.819	21.206	.132
30	12.9	33.356	4.755	21.215	.198
40	12.9	33.353	4.722	21.234	.259
50	12.9	33.358	4.693	21.253	.329
60	12.9	33.377	4.660	21.272	.395
70	12.9	33.389	4.628	21.291	.464
80	12.9	33.408	4.597	21.310	.534
90	12.9	33.424	4.567	21.329	.608
100	12.9	33.439	4.538	21.348	.685
110	12.9	33.454	4.511	21.367	.765
120	12.9	33.469	4.485	21.386	.848
130	12.9	33.484	4.462	21.405	.933
140	12.9	33.499	4.441	21.424	1.017
150	12.9	33.514	4.423	21.443	1.103
160	12.9	33.529	4.405	21.462	1.191
170	12.9	33.544	4.389	21.481	1.280
180	12.9	33.559	4.374	21.500	1.370
190	12.9	33.574	4.360	21.519	1.461
200	12.9	33.589	4.347	21.538	1.552
250	12.9	33.604	4.335	21.557	1.644
300	12.9	33.619	4.324	21.576	1.737
350	12.9	33.634	4.314	21.595	1.831
400	12.9	33.649	4.305	21.614	1.926
450	12.9	33.664	4.297	21.633	2.021
500	12.9	33.679	4.291	21.652	2.117
550	12.9	33.694	4.286	21.671	2.214
600	12.9	33.709	4.281	21.690	2.311
650	12.9	33.724	4.277	21.709	2.408
700	12.9	33.739	4.273	21.728	2.505
750	12.9	33.754	4.270	21.747	2.602
800	12.9	33.769	4.267	21.766	2.699
850	12.9	33.784	4.264	21.785	2.796
900	12.9	33.799	4.262	21.804	2.893
950	12.9	33.814	4.260	21.823	2.990
1000	12.9	33.829	4.258	21.842	3.087
1004	12.9	33.844	4.256	21.861	3.184
	12.9	33.859	4.254	21.880	3.281
	12.9	33.874	4.252	21.899	3.378
	12.9	33.889	4.251	21.918	3.475
	12.9	33.904	4.250	21.937	3.572
	12.9	33.919	4.249	21.956	3.669
	12.9	33.934	4.248	21.975	3.766
	12.9	33.949	4.247	21.994	3.863
	12.9	33.964	4.246	22.013	3.960
	12.9	33.979	4.245	22.032	4.057
	12.9	33.994	4.244	22.051	4.154
	12.9	34.009	4.243	22.070	4.251
	12.9	34.024	4.242	22.089	4.348
	12.9	34.039	4.241	22.108	4.445
	12.9	34.054	4.240	22.127	4.542
	12.9	34.069	4.239	22.146	4.639
	12.9	34.084	4.238	22.165	4.736
	12.9	34.099	4.237	22.184	4.833
	12.9	34.114	4.236	22.203	4.930
	12.9	34.129	4.235	22.222	5.027
	12.9	34.144	4.234	22.241	5.124
	12.9	34.159	4.233	22.260	5.221
	12.9	34.174	4.232	22.279	5.318
	12.9	34.189	4.231	22.298	5.415
	12.9	34.204	4.230	22.317	5.512
	12.9	34.219	4.229	22.336	5.609
	12.9	34.234	4.228	22.355	5.706
	12.9	34.249	4.227	22.374	5.803
	12.9	34.264	4.226	22.393	5.900
	12.9	34.279	4.225	22.412	6.000
	12.9	34.294	4.224	22.431	6.100
	12.9	34.309	4.223	22.450	6.200
	12.9	34.324	4.222	22.469	6.300
	12.9	34.339	4.221	22.488	6.400
	12.9	34.354	4.220	22.507	6.500
	12.9	34.369	4.219	22.526	6.600
	12.9	34.384	4.218	22.545	6.700
	12.9	34.399	4.217	22.564	6.800
	12.9	34.414	4.216	22.583	6.900
	12.9	34.429	4.215	22.602	7.000
	12.9	34.444	4.214	22.621	7.100
	12.9	34.459	4.213	22.640	7.200
	12.9	34.474	4.212	22.659	7.300
	12.9	34.489	4.211	22.678	7.400
	12.9	34.504	4.210	22.697	7.500
	12.9	34.519	4.209	22.716	7.600
	12.9	34.534	4.208	22.735	7.700
	12.9	34.549	4.207	22.754	7.800
	12.9	34.564	4.206	22.773	7.900
	12.9	34.579	4.205	22.792	8.000
	12.9	34.594	4.204	22.811	8.100
	12.9	34.609	4.203	22.830	8.200
	12.9	34.624	4.202	22.849	8.300
	12.9	34.639	4.201	22.868	8.400
	12.9	34.654	4.200	22.887	8.500
	12.9	34.669	4.199	22.906	8.600
	12.9	34.684	4.198	22.925	8.700
	12.9	34.699	4.197	22.944	8.800
	12.9	34.714	4.196	22.963	8.900
	12.9	34.729	4.195	22.982	9.000
	12.9	34.744	4.194	22.999	9.100
	12.9	34.759	4.193	23.018	9.200
	12.9	34.774	4.192	23.037	9.300
	12.9	34.789	4.191	23.056	9.400
	12.9	34.804	4.190	23.075	9.500
	12.9	34.819	4.189	23.094	9.600
	12.9	34.834	4.188	23.113	9.700
	12.9	34.849	4.187	23.132	9.800
	12.9	34.864	4.186	23.151	9.900
	12.9	34.879	4.185	23.170	10.000

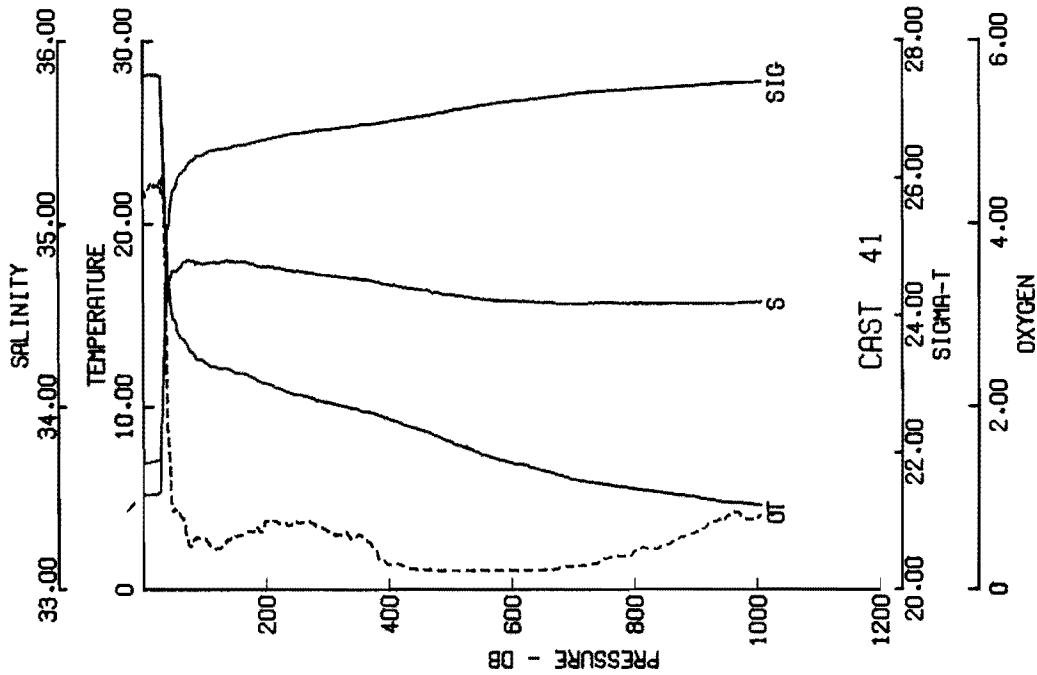


CAST EP6-79-0C-041 DATE 01 NOV 79 TIME 0136 GMT
LAT 08 58.2N LONG 105 00.9W

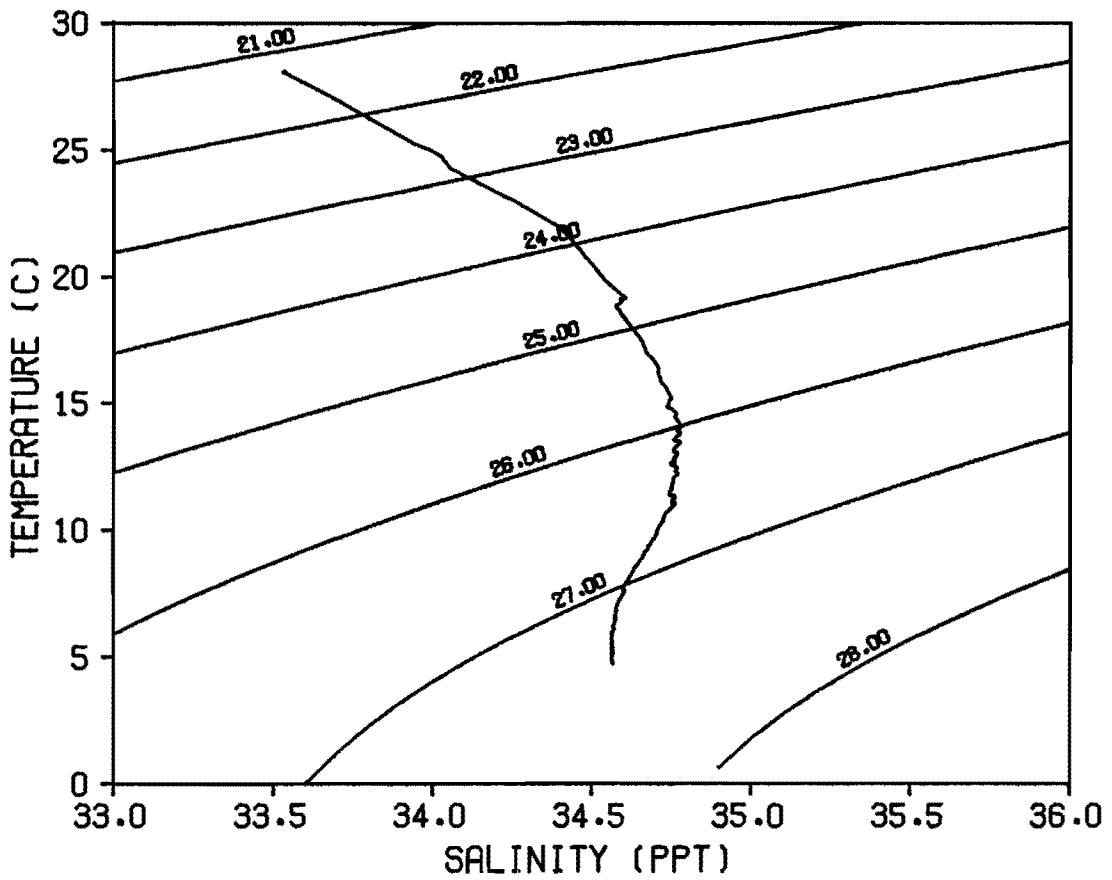


CAST EP6-79-0C-041 DATE 01 NOV 79 TIME 0136 GMT
 LAT 08 58.24 LONG 105 00.94 WEATHER 2 SEA STATE 6
 BAROMETER AMOUNT 4 WIND DIR 220.1 SPD 11 KT VISIBILITY 7
 CLOUD 7 AMOUNT 4 WET 24.6 WET 24.6 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	16.4	33.690	4.29	27.6	.000
3	15.9	33.692	4.36	27.9	.064
10	15.1	33.694	4.39	28.1	.129
20	14.1	33.708	4.43	28.1	.192
30	13.0	33.768	4.34	28.1	.235
40	12.2	33.654	4.38	28.1	.260
50	11.8	34.745	4.86	28.1	.300
60	11.5	34.767	4.89	28.1	.319
80	11.5	34.800	5.56	28.1	.335
90	11.5	34.783	5.56	28.1	.353
100	11.5	34.789	5.56	28.1	.370
110	11.5	34.793	5.56	28.1	.387
120	11.5	34.798	5.56	28.1	.403
130	11.5	34.793	5.56	28.1	.420
140	11.5	34.793	5.56	28.1	.436
150	11.5	34.793	5.56	28.1	.452
160	11.5	34.783	5.56	28.1	.468
170	11.5	34.783	5.56	28.1	.484
180	11.5	34.767	5.56	28.1	.495
190	11.5	34.764	5.56	28.1	.510
200	11.5	34.764	5.56	28.1	.526
220	11.5	34.720	5.56	28.1	.560
300	10.8	34.669	6.07	28.1	.660
400	9.7	34.617	6.21	28.1	.797
500	8.0	34.617	6.21	28.1	.861
600	7.0	34.587	6.21	28.1	.978
700	6.0	34.564	6.21	28.1	1.084
800	5.0	34.564	6.21	28.1	1.179
900	5.0	34.563	6.21	28.1	1.268
1000	4.4	34.564	6.21	28.1	1.353
1005	4.4	34.571	6.21	28.1	1.399

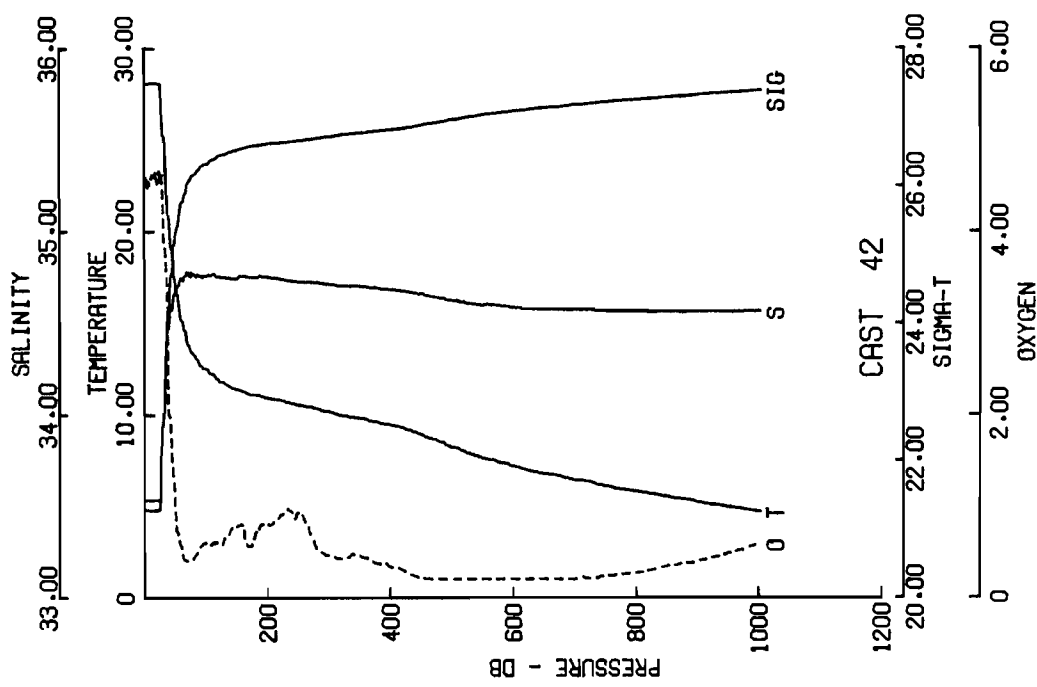


CAST EP6-79-0C-042 DATE 01 NOV 79 TIME 0836 GMT
LAT 10 00.7N LONG 105 00.4W

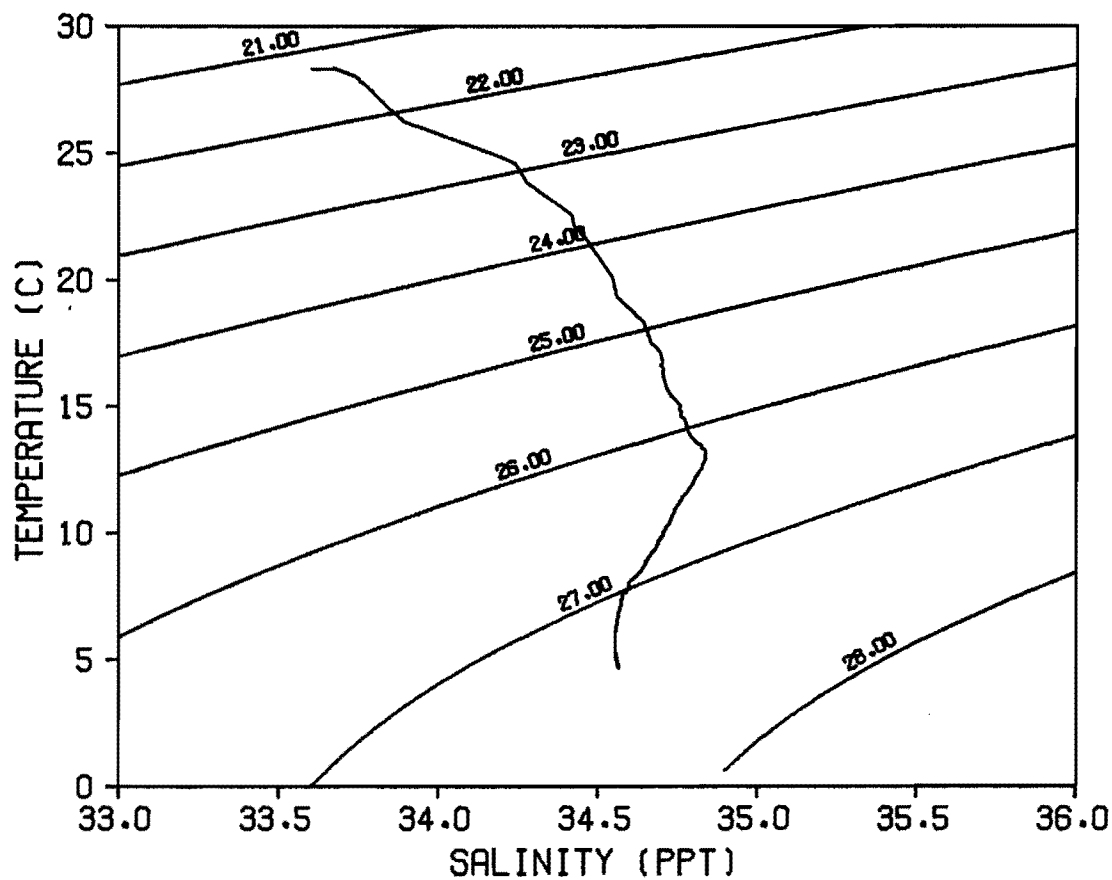


CAST EP6-79-0C-042 DATE 01 NOV 79 TIME 0836 GMT
 LAT 10 00.7N LONG 105 00.4W WEATHER 5 SEA STATE 3
 BAROMETER 10 WIND DIR 310 T SPD 11 KT VISIBILITY 7
 CLOUD X AMOUNT 8 WIND DRY 23.8 WET 23.5 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	28.076	33.533	4.58	21.287	.000
1	28.068	33.533	4.52	21.287	.055
10	28.107	33.533	4.51	21.276	.121
20	28.106	33.533	4.52	21.278	.194
30	28.1318	33.533	4.42	21.258	.240
40	20.914	34.469	2.19	22.174	.272
50	15.190	34.658	1.58	22.754	.298
60	11.931	34.768	.43	22.616	.319
70	11.328	34.759	.53	22.293	.337
80	11.283	34.757	.60	22.315	.357
90	11.249	34.765	.68	22.377	.392
100	11.1930	34.754	.66	22.429	.409
110	11.177	34.745	.78	22.457	.421
120	11.1500	34.743	.78	22.491	.437
130	11.140	34.743	.80	22.520	.451
140	11.1309	34.754	.80	22.551	.472
150	11.1153	34.753	.80	22.575	.487
160	11.1088	34.758	.80	22.585	.502
170	11.1039	34.754	.80	22.599	.517
180	11.0939	34.724	.93	22.614	.532
190	11.0843	34.7102	.93	22.622	.547
200	10.0721	34.683	.46	22.679	.677
250	9.467	34.660	.34	22.769	.745
300	8.825	34.597	.22	22.813	.813
350	8.247	34.584	.21	22.861	.878
400	7.709	34.575	.21	22.930	.939
450	6.447	34.566	.21	22.984	.953
500	6.047	34.562	.28	22.985	1.067
550	5.563	34.563	.49	22.985	1.157
600	5.263	34.563	.59	22.985	1.206
650	4.963	34.563	.59	22.985	1.259
700	4.727	34.563	.60	22.985	1.310
750				22.985	1.364
800				22.985	1.418
850				22.985	1.473
900				22.985	1.528
950				22.985	1.583
1000				22.985	1.638
1003				22.985	1.642

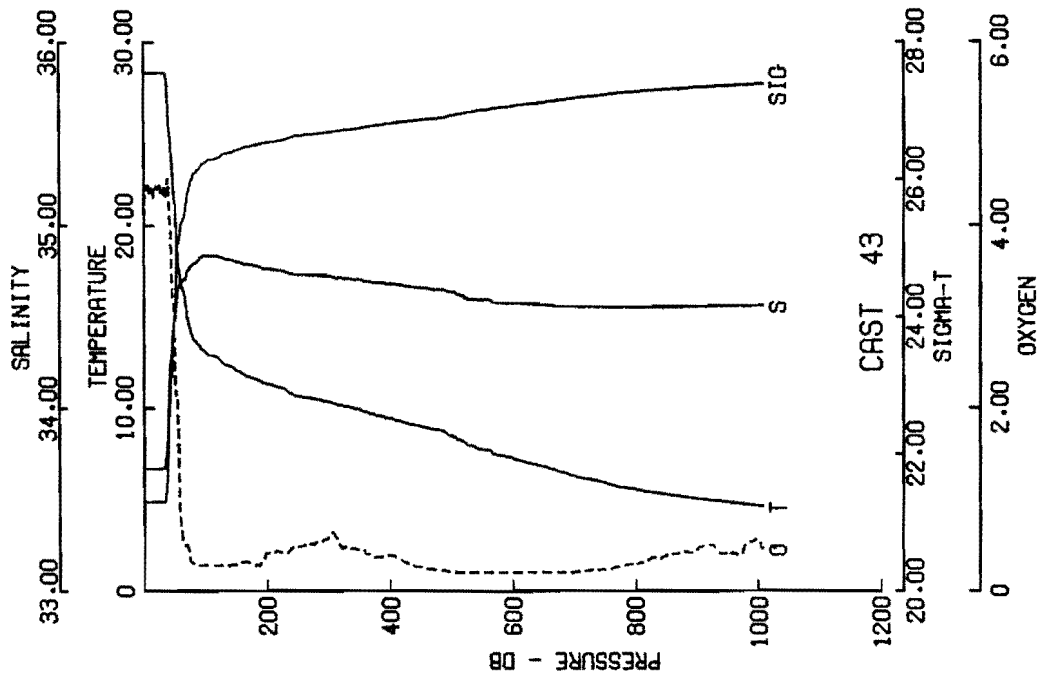


CAST EP6-79-0C-043 DATE 01 NOV 79 TIME 1510 GMT
LAT 10 59.8N LONG 105 00.0W

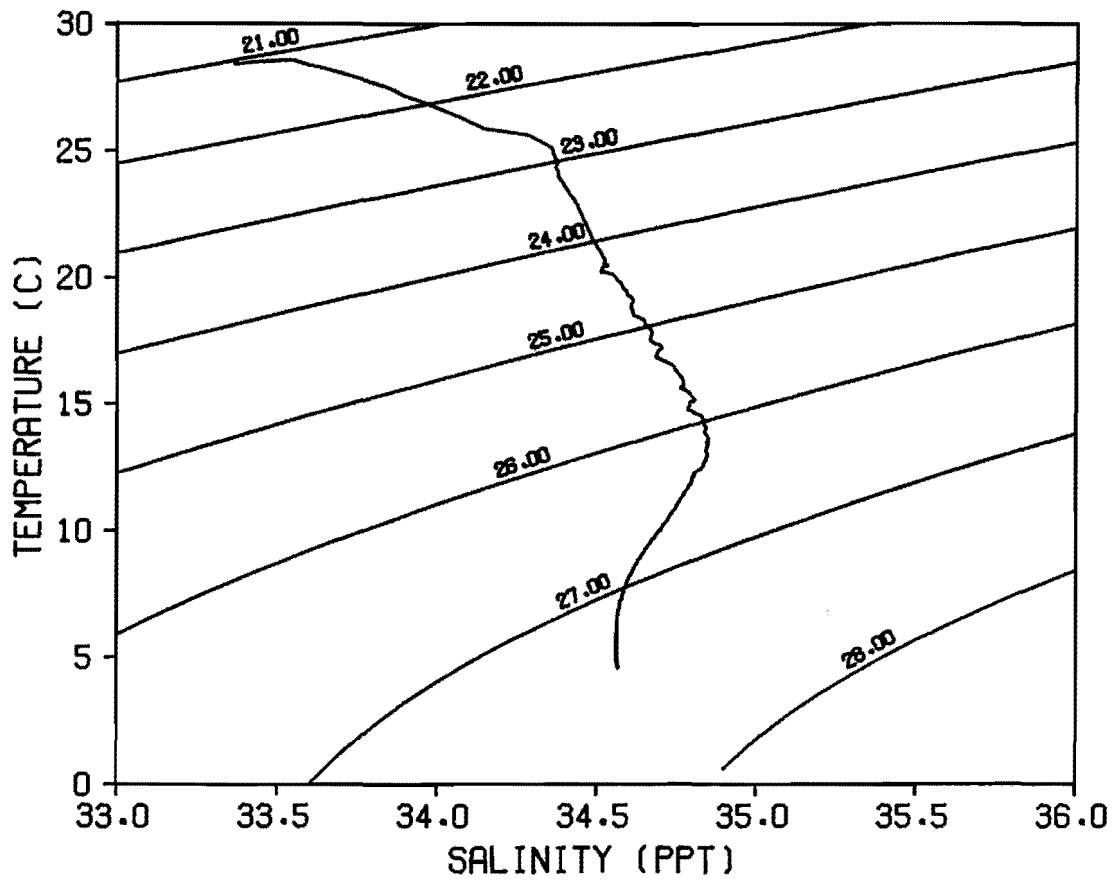


CAST EP6-79-0C-043 DATE 01 NOV 79 TIME 1510 GMT
 LAT 10 59.8N LONG 105 00.0W WEATHER 1 SEA STATE 3
 BAROMETER 12 WIND DIR 310 T SPD 04 KT VISIBILITY 8
 CLOUD 8 AMOUNT 5 DRY 26.8 WET 24.8 DEPTH H

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYN-M)
0	26	33.604	3.13	1.258	.000
10	33.39	33.609	4.13	2.302	.065
20	33.46	33.613	4.43	2.303	.130
30	33.46	33.613	4.43	2.303	.195
40	33.46	33.613	4.43	2.303	.259
50	33.46	33.613	4.43	2.303	.323
60	33.46	33.613	4.43	2.303	.387
70	33.46	33.613	4.43	2.303	.451
80	33.46	33.613	4.43	2.303	.515
90	33.46	33.613	4.43	2.303	.579
100	33.46	33.613	4.43	2.303	.643
110	33.46	33.613	4.43	2.303	.707
120	33.46	33.613	4.43	2.303	.771
130	33.46	33.613	4.43	2.303	.835
140	33.46	33.613	4.43	2.303	.899
150	33.46	33.613	4.43	2.303	.963
160	33.46	33.613	4.43	2.303	1.027
170	33.46	33.613	4.43	2.303	1.091
180	33.46	33.613	4.43	2.303	1.155
190	33.46	33.613	4.43	2.303	1.219
200	33.46	33.613	4.43	2.303	1.283
250	33.46	33.613	4.43	2.303	1.347
300	33.46	33.613	4.43	2.303	1.411
350	33.46	33.613	4.43	2.303	1.475
400	33.46	33.613	4.43	2.303	1.539
450	33.46	33.613	4.43	2.303	1.603
500	33.46	33.613	4.43	2.303	1.667
550	33.46	33.613	4.43	2.303	1.731
600	33.46	33.613	4.43	2.303	1.795
650	33.46	33.613	4.43	2.303	1.859
700	33.46	33.613	4.43	2.303	1.923
750	33.46	33.613	4.43	2.303	1.987
800	33.46	33.613	4.43	2.303	2.051
850	33.46	33.613	4.43	2.303	2.115
900	33.46	33.613	4.43	2.303	2.179
950	33.46	33.613	4.43	2.303	2.243
1000	33.46	33.613	4.43	2.303	2.307
1007	33.46	33.613	4.43	2.303	2.371



CAST EP6-79-0C-044 DATE 01 NOV 79 TIME 2210 GMT
LAT 12 00.3N LONG 105 00.6W



CAST EP6-79-DC-044 DATE 01 NOV 79 TIME 2210 GMT
 LAT 12 00 39 N LONG 105 00 64 W WEATHER 2 SEA STATE 3
 BAROMETER 30.09 WIND DIR 030 T SPD 12 KT VISIBILITY 8
 CLOUD 6 AMOUNT 7 DRY 28.2 WET 25.0 DEPTH M

PRES (DB)	TEMP (C)	SAL (PPT)	OXY (ML/L)	SIG-T	DELTA-D (DYM-M)
0	26	33.368	4.52	21.016	.000
10	28.485	33.372	4.47	21.027	.058
20	28.337	33.322	4.37	21.022	.055
30	28.548	33.336	4.37	21.024	.201
40	28.361	33.362	4.49	21.031	.266
50	27.956	33.433	4.15	21.093	.364
60	27.305	33.531	3.90	21.235	.508
70	27.305	34.098	3.59	21.525	.435
80	27.510	34.770	.29	21.966	.477
90	27.777	34.845	.29	21.131	.516
100	27.646	34.849	.28	21.125	.523
110	27.223	34.844	.27	21.299	.571
120	27.025	34.846	.29	21.323	.606
130	26.821	34.836	.28	21.381	.623
140	26.641	34.806	.28	21.430	.640
150	26.477	34.801	.25	21.454	.646
160	26.321	34.801	.25	21.454	.646
170	26.172	34.769	.25	21.454	.646
180	26.021	34.713	.25	21.454	.646
190	25.872	34.673	.21	21.454	.646
200	25.721	34.625	.21	21.454	.646
250	25.548	34.583	.21	21.454	.646
300	25.448	34.570	.21	21.454	.646
350	25.370	34.562	.21	21.454	.646
400	25.311	34.560	.21	21.454	.646
450	25.253	34.561	.21	21.454	.646
500	25.207	34.561	.21	21.454	.646
550	25.159	34.561	.21	21.454	.646
600	25.111	34.561	.21	21.454	.646
650	25.063	34.561	.21	21.454	.646
700	25.015	34.561	.21	21.454	.646
750	24.967	34.561	.21	21.454	.646
800	24.919	34.561	.21	21.454	.646
850	24.871	34.561	.21	21.454	.646
900	24.823	34.561	.21	21.454	.646
950	24.775	34.561	.21	21.454	.646
1000	24.727	34.561	.21	21.454	.646
1004	24.679	34.561	.21	21.454	.646

