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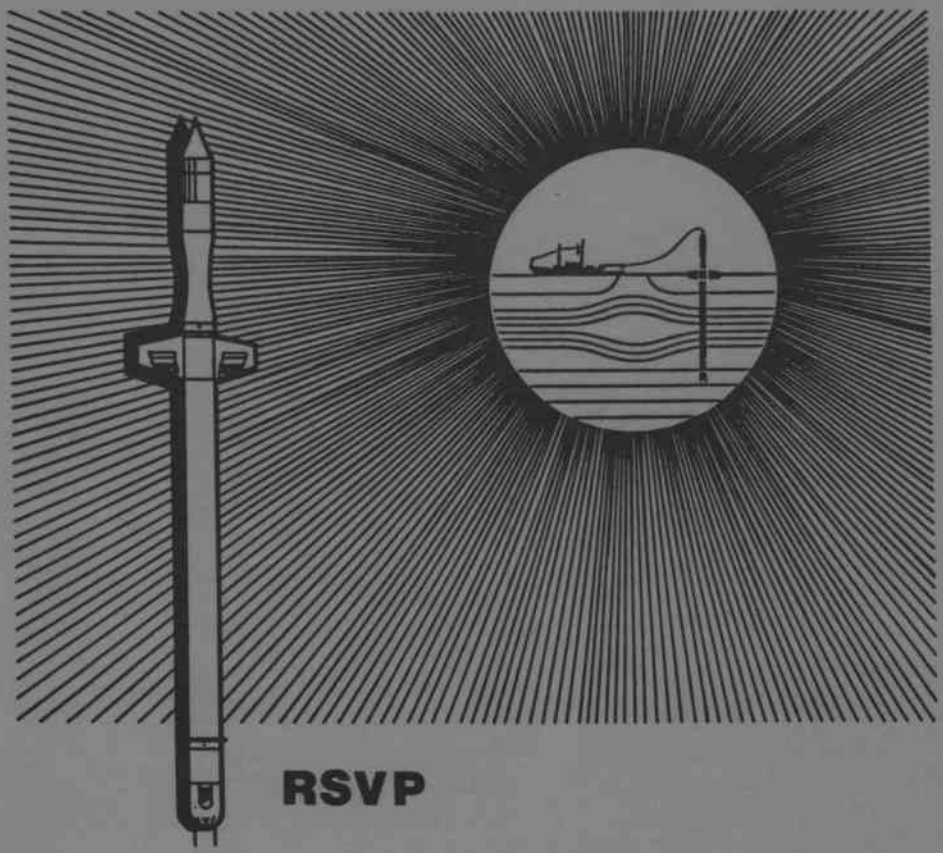


**TROPIC HEAT II-1987**
**LEG 1**
**Rapid-Sampling Vertical Profiler Observations**

by
M. M. Park
J. N. Moum
D. R. Caldwell
M. D. Brown

College of Oceanography
Oregon State University

Reference 87-22
June 1987
Data Report 136

National Science Foundation
OCE82-14639
OCE86-08256

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OREGON STATE UNIVERSITY

# TROPIC HEAT II - 1987 LEG 1

by

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REPORT

National Science Foundation
OCE82-14639
OCE86-08256

Reference 87-22
June 1987

Douglas R. Caldwell
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Acknowledgements

These measurements could not have been accomplished without the conscientious efforts of Ray Kreth, Susan Moum, Meroe Park, Ann Poulson and Rich Schramm. We appreciate the efforts of the master and crew of the R/V Wecoma for their cooperation. Clayton Paulson as chief scientist and Ted Benson as marine technician provided organizational and logistics support. Lynn deWitt and Rick Baumann processed the navigation and meteorological data used in this report. This study was funded by the National Science Foundation under grants OCE-8608256 and OCE-8214639.

## INTRODUCTION

Our component of the TROPIC HEAT 1987 experiment was designed to investigate a number of questions raised by our TROPIC HEAT 1984 measurements (Park et al, 1985; Moum and Caldwell, 1985; Moum et al, 1986; Chereskin et al, 1986; Moum et al; 1987). In particular, the goals of LEG 1 of our TROPIC HEAT 1987 experiment (results from LEG 2 are presented in a separate report) were:
1) to examine the cross-equatorial variability in mixing rates to determine if there really is a well-defined peak in mixing associated with the equatorial current system (Moum et al, 1986);
2) to extend our measurements of turbulent dissipation to include a larger dynamic range in wind speeds so that we could further investigate the relation between wind power and dissipation (Moum and Caldwell, 1985);
3) to acquire longer series of simultaneous towed thermistor chain and RSVP measurements to investigate in more detail the relation between turbulence bursts and internal waves discovered during the TROPIC HEAT 1984 experiment.

To address the questions posed above, we executed a long transect across the equator along 140°W (28 February - 31 March 1987). We deployed our instrumentation at 33°N, proceeding southward at approximately 5 knots to 25°N, during which time we obtained 727 RSVP profiles. The transect was interrupted from 25°N to 17°N where we began measurements again, obtaining 2452 RSVP profiles from 17°N to 6°S, including an 18-hour station at 1°N which was unfortunately discontinued due to repeated and aggressive shark attacks. Our measurement suite included:
1) surface temperature and conductivity;
2) high-quality meteorological measurements;
3) towed thermistor chain;
4) hull-mounted acoustic Doppler current profiler (ADCP);
5) Rapid Sampling Vertical Profiler (RSVP).

## INSTRUMENTATION

The RSVP is described by Caldwell et al (1985). Sensors mounted on the nose for the TROPIC HEAT 1987 experiment included a fast-response thermistor (Thermometrics), Neil Brown conductivity cell, pressure sensor and two orthogonally-mounted airfoil (shear) probes from which we have made estimates of turbulent kinetic energy dissipation rates (following Osborn and Crawford, 1980). During the thermistor chain tows, we mounted 2 Seabird conductivity sensors on the chain at 123 m depth. We used these plus thermistors positioned 1 m higher on the chain to compare profiler measurements of temperature and conductivity so that we might detect possible sensor drifts. A number of CTD profiles were made to compare to our conductivity and temperature measurements. The second transect also included a series of profiles (51/54 - 55/20) made while maintaining station at 1°N, 140°W. The instrument was reconfigured to reduce vibrational

noise (yielding lower $\epsilon$ noise levels) and depths to 200m+ were reached.

## DATA REDUCTION

The primary data acquisition computer sampled six signals from the RSVP; pressure, temperature, temperature derivative, conductivity and two airfoil (shear) probes. The signals were sampled at 60 Hz except the shear sensors which were sampled at 240 Hz. Raw data were stored on magnetic tape and simultaneously sent across a high speed parallel interface to a second computer for further analysis. Plots of individual profiles presented in this report were produced at the time of each RSVP cast. Problems with the implementation of some new software to handle the parallel interface transfer caused approximately 20% of the profiles to be recorded but not plotted. Methods to utilize data from the towed thermistor chain, the surface thermosalinograph and the CTD for calibration purposes were in the development stage and corrections were not obtained and applied to plots as rapidly as during Tropic Heat leg 2 (Park et al, 1987). Hence caution must be used when attempting to obtain absolute values of hydrographic data from the RSVP profiles.

Temperature and conductivity raw data were averaged over 128 points (approximately 2 meters at our fall speed of 110 cm/s) for the plot profiles. Salinity and $\sigma_t$ were computed using the UNESCO 1978 algorithms from the 128-point averages of temperature and conductivity. The computation of $\sigma_t$ was being done incorrectly (the pressure term was included in the computation) until after tape 27, batch 18. During the first transect, comparisons between RSVP temperature values, a thermosalinograph system and the towed thermistor chain indicated that the RSVP temperature calibration was high uniformly by 0.2°C. Salinity was found to be high by 0.1ppt at both the surface and at 123m depth. Periodic checks of CTD casts during transect 2 indicated that our calibrations were off by as much as 0.2°C and 0.1ppt at the surface and 0.5°C and 0.5ppt at 123m.

A separate pass on the hydrographic profiles obtained a series of temperature averaged over 1m at 3, 20 and subsequent 20m depth intervals. The temperature series was then adjusted to reflect calibration information available. This analysis is available for the second transect only.

The processing of the outputs from the two shear probes follows the procedure described by Park et al (1985). The turbulent dissipations computed from these data and plotted as profiles here have not been deglitched. Occasional plankton spikes, line glitches and other contaminants are sometimes apparent in the profiles. These were subsequently detected and removed before averaging to produce the summary plots shown.

## THE DATA PLOTS

The RSVP profiles represented as the bulk of this report include roughly one-third of the total collected profiles. An effort to select profiles for every RSVP operating hour was made, with gaps due to 1) failure of the high speed parallel analysis computer 2) CTD casts or other instrument deployment 3) RSVP mechanical failure. Each profile page has four RSVP casts plotted representing approximately 25-35 minutes of operation. Gaps from parallel processor failure are readily apparent by the absence of one or more profile plots. Julian and calendar day can be referenced to position by referring to the half-hourly mean position obtained from the navigation data listed at the beginning of this report.

Each real-time plot of an RSVP cast contains labeled solid line traces for temperature and $\sigma_t$ (except where previously noted), a dotted line for salinity and a solid trace for dissipation. Vertical and horizontal scales were occasionally adjusted to compensate for changes in measured signal. The profiler sampled at depths between 150-200 meters. The ship speed determines the amount of line available for free fall and hence, the maximum depth of the profile.

This report is organized into two sections separated by colored sheets. The first section of the transect from 33°N to 25°N at 140°W begins with a summary plot of processed and deglitched dissipation over 20m vertical averaging intervals and plotted with wind speed and insolation. The second transect from 17°N to 6°S includes the previous summary plot and in addition includes a plot of dissipation averaged over 20m, centered at 60m and plotted linearly along with the insolation to illustrate the diurnal cycle apparent at this depth. The second transect also includes a plot of temperature selected from each profile at 3, 20, 40, 60, 80, 100, 120, 140, 160, 180 and 200 meter depth bins (again depending on the profilers' maximum depth). The temperature series for this plot was recomputed to reflect our best comparison to independent measurements of temperature at the time of the cruise.

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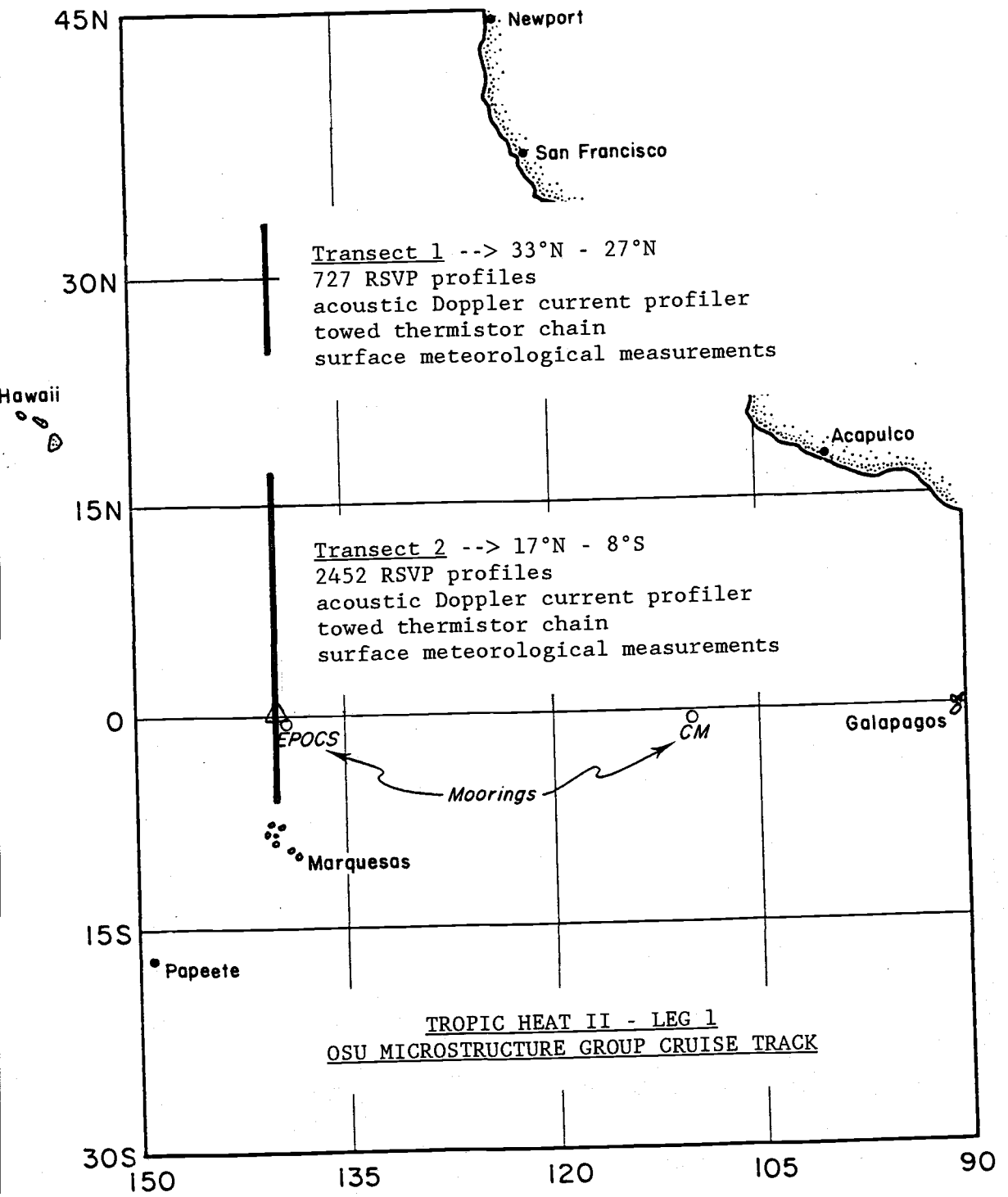
45N
Newport
San Francisco
30N
Transect 1 --> 33°N - 27°N
727 RSVP profiles
acoustic Doppler current profiler
towed thermistor chain
surface meteorological measurements
Hawaii
Acapulco
15N
Transect 2 --> 17°N - 8°S
2452 RSVP profiles
acoustic Doppler current profiler
towed thermistor chain
surface meteorological measurements
0
EPOCS
CM
Moorings
Galapagos
Marquesas
15S
Papeete
TROPIC HEAT II - LEG 1
OSU MICROSTRUCTURE GROUP CRUISE TRACK
30S
150
135
120
105
90

TROPIC HEAT 87 TWICE DAILY POSITIONS

| Day (Mar 87) | Time | Longitude (Deg W) | Latitude (Deg) |
|---|---|---|---|
| 5 | 1200 | 140.1382 | 33.4931 |
| 6 | 0000 | 139.8744 | 33.0182 |
| 6 | 1200 | 139.9862 | 32.5411 |
| 7 | 0000 | 139.9943 | 31.8010 |
| 7 | 1200 | 139.9897 | 31.0065 |
| 8 | 0000 | 140.0014 | 30.1966 |
| 8 | 1200 | 139.9925 | 29.3782 |
| 9 | 0000 | 140.0079 | 28.6537 |
| 9 | 1200 | 140.0179 | 27.9976 |
| 10 | 0000 | 139.9757 | 27.4066 |
| 10 | 1200 | 140.0328 | 26.7690 |
| 11 | 0000 | 139.9857 | 26.1863 |
| 11 | 1200 | 140.0006 | 25.5389 |
| 12 | 0000 | 140.0204 | 24.6913 |
| 12 | 1200 | 139.9849 | 22.4653 |
| 13 | 0000 | 140.0061 | 20.1045 |
| 13 | 1200 | 140.0264 | 17.7186 |
| 14 | 0000 | 140.0177 | 16.5717 |
| 14 | 1200 | 140.0289 | 15.8005 |
| 15 | 0000 | 139.9953 | 14.9493 |
| 15 | 1200 | 140.0090 | 14.0759 |
| 16 | 0000 | 139.9922 | 13.2593 |
| 16 | 1200 | 140.0143 | 12.4051 |
| 17 | 0000 | 140.0210 | 11.6120 |
| 17 | 1200 | 139.9774 | 10.8163 |
| 18 | 0000 | 139.9793 | 9.9998 |
| 18 | 1200 | 140.0061 | 9.0681 |
| 19 | 0000 | 140.0152 | 8.2377 |
| 19 | 1200 | 140.0039 | 7.3842 |
| 20 | 0000 | 140.0039 | 6.4871 |
| 20 | 1200 | 139.9990 | 5.5975 |
| 21 | 0000 | 139.9884 | 4.9091 |
| 21 | 1200 | 140.0054 | 4.0468 |
| 22 | 0000 | 140.0240 | 3.0879 |
| 22 | 1200 | 140.0131 | 2.0353 |
| 23 | 0000 | 139.9753 | 0.9884 |
| 23 | 1200 | 140.0712 | 0.8578 |
| 24 | 0000 | 140.0758 | 0.8516 |
| 24 | 1200 | 139.9941 | 0.2905 |
| 25 | 0000 | 140.0068 | -0.6470 |
| 25 | 1200 | 140.0047 | -1.7810 |
| 26 | 0000 | 139.9814 | -2.8676 |
| 26 | 1200 | 139.9956 | -3.8631 |
| 27 | 0000 | 140.0076 | -4.7283 |
| 27 | 1200 | 139.9971 | -5.4830 |
| 28 | 0000 | 140.9938 | -6.8973 |
| 28 | 1200 | 142.4252 | -8.8560 |
| 29 | 0000 | 143.9240 | -10.8477 |

# TROPIC HEAT HALF-HOURLY POSITIONS

| DATE | TIME | LONGITUDE | LATITUDE | DATE | TIME | LONGITUDE | LATITUDE |
|---|---|---|---|---|---|---|---|
| 5-MAR | 800 | 139 56.56 | 33 22.99 | 5-MAR | 830 | 139 58.29 | 33 23.67 |
| 5-MAR | 900 | 140 0.02 | 33 24.35 | 5-MAR | 930 | 140 0.64 | 33 25.45 |
| 5-MAR | 1000 | 140 2.15 | 33 26.25 | 5-MAR | 1030 | 140 3.65 | 33 27.04 |
| 5-MAR | 1100 | 140 5.16 | 33 27.84 | 5-MAR | 1130 | 140 6.73 | 33 28.71 |
| 5-MAR | 1200 | 140 8.29 | 33 29.59 | 5-MAR | 1230 | 140 9.85 | 33 30.46 |
| 5-MAR | 1300 | 140 9.92 | 33 30.38 | 5-MAR | 1330 | 140 9.80 | 33 30.19 |
| 5-MAR | 1400 | 140 9.25 | 33 29.69 | 5-MAR | 1430 | 140 6.56 | 33 27.72 |
| 5-MAR | 1500 | 140 3.88 | 33 25.75 | 5-MAR | 1530 | 140 1.19 | 33 23.77 |
| 5-MAR | 1600 | 139 58.51 | 33 21.79 | 5-MAR | 1630 | 139 57.36 | 33 20.06 |
| 5-MAR | 1700 | 139 56.61 | 33 18.33 | 5-MAR | 1730 | 139 55.84 | 33 16.51 |
| 5-MAR | 1800 | 139 55.45 | 33 14.60 | 5-MAR | 1830 | 139 55.05 | 33 12.68 |
| 5-MAR | 1900 | 139 53.89 | 33 10.84 | 5-MAR | 1930 | 139 53.27 | 33 9.01 |
| 5-MAR | 2000 | 139 52.65 | 33 7.19 | 5-MAR | 2030 | 139 52.03 | 33 5.36 |
| 5-MAR | 2100 | 139 51.51 | 33 3.71 | 5-MAR | 2130 | 139 51.67 | 33 3.27 |
| 5-MAR | 2200 | 139 51.83 | 33 2.84 | 5-MAR | 2230 | 139 51.98 | 33 2.40 |
| 5-MAR | 2300 | 139 52.15 | 33 1.96 | 5-MAR | 2330 | 139 52.30 | 33 1.53 |
| 6-MAR | 0 | 139 52.46 | 33 1.09 | 6-MAR | 30 | 139 53.05 | 33 0.82 |
| 6-MAR | 100 | 139 54.92 | 33 0.70 | 6-MAR | 130 | 139 57.00 | 33 0.57 |
| 6-MAR | 200 | 139 59.08 | 33 0.44 | 6-MAR | 230 | 140 0.74 | 33 0.10 |
| 6-MAR | 300 | 140 0.72 | 32 58.93 | 6-MAR | 330 | 140 0.70 | 32 57.74 |
| 6-MAR | 400 | 140 0.69 | 32 56.57 | 6-MAR | 430 | 140 0.67 | 32 55.39 |
| 6-MAR | 500 | 140 0.74 | 32 54.11 | 6-MAR | 530 | 140 0.98 | 32 52.61 |
| 6-MAR | 600 | 140 1.16 | 32 51.22 | 6-MAR | 630 | 140 1.34 | 32 49.82 |
| 6-MAR | 700 | 140 1.42 | 32 48.25 | 6-MAR | 730 | 140 1.48 | 32 46.67 |
| 6-MAR | 800 | 140 1.54 | 32 45.09 | 6-MAR | 830 | 140 1.60 | 32 43.51 |
| 6-MAR | 900 | 140 1.75 | 32 42.15 | 6-MAR | 930 | 140 2.24 | 32 41.62 |
| 6-MAR | 1000 | 140 2.50 | 32 40.81 | 6-MAR | 1030 | 140 1.66 | 32 38.71 |
| 6-MAR | 1100 | 140 0.82 | 32 36.61 | 6-MAR | 1130 | 139 59.97 | 32 34.51 |
| 6-MAR | 1200 | 139 59.17 | 32 32.47 | 6-MAR | 1230 | 139 58.93 | 32 31.13 |
| 6-MAR | 1300 | 139 58.69 | 32 29.80 | 6-MAR | 1330 | 139 58.45 | 32 28.46 |
| 6-MAR | 1400 | 139 58.44 | 32 27.28 | 6-MAR | 1430 | 139 58.46 | 32 25.83 |
| 6-MAR | 1500 | 139 58.48 | 32 24.38 | 6-MAR | 1530 | 139 58.51 | 32 22.93 |
| 6-MAR | 1600 | 139 58.47 | 32 21.19 | 6-MAR | 1630 | 139 58.37 | 32 19.33 |
| 6-MAR | 1700 | 139 58.34 | 32 17.34 | 6-MAR | 1730 | 139 58.33 | 32 15.35 |
| 6-MAR | 1800 | 139 58.31 | 32 13.36 | 6-MAR | 1830 | 139 58.72 | 32 11.32 |
| 6-MAR | 1900 | 139 59.00 | 32 9.23 | 6-MAR | 1930 | 139 59.29 | 32 7.15 |
| 6-MAR | 2000 | 139 59.57 | 32 5.05 | 6-MAR | 2030 | 139 59.71 | 32 2.92 |
| 6-MAR | 2100 | 139 59.78 | 32 0.76 | 6-MAR | 2130 | 139 59.84 | 31 58.61 |
| 6-MAR | 2200 | 139 59.88 | 31 56.48 | 6-MAR | 2230 | 139 59.75 | 31 54.43 |
| 6-MAR | 2300 | 139 59.58 | 31 52.39 | 6-MAR | 2330 | 139 59.61 | 31 50.23 |
| 7-MAR | 0 | 139 59.66 | 31 48.06 | 7-MAR | 30 | 139 59.81 | 31 46.68 |
| 7-MAR | 100 | 139 59.98 | 31 45.35 | 7-MAR | 130 | 140 0.14 | 31 44.03 |
| 7-MAR | 200 | 140 0.25 | 31 42.22 | 7-MAR | 230 | 140 0.32 | 31 40.09 |
| 7-MAR | 300 | 140 0.39 | 31 37.97 | 7-MAR | 330 | 140 0.46 | 31 35.84 |
| 7-MAR | 400 | 140 0.53 | 31 33.72 | 7-MAR | 430 | 140 0.60 | 31 31.59 |
| 7-MAR | 500 | 140 0.76 | 31 29.42 | 7-MAR | 530 | 140 0.91 | 31 27.26 |
| 7-MAR | 600 | 140 1.07 | 31 25.09 | 7-MAR | 630 | 140 1.22 | 31 22.92 |
| 7-MAR | 700 | 140 1.37 | 31 20.75 | 7-MAR | 730 | 140 1.29 | 31 18.57 |
| 7-MAR | 800 | 140 1.12 | 31 16.37 | 7-MAR | 830 | 140 0.86 | 31 14.21 |
| 7-MAR | 900 | 140 0.42 | 31 12.04 | 7-MAR | 930 | 139 59.99 | 31 9.99 |

# TROPIC HEAT HALF-HOURLY POSITIONS

| DATE | TIME | LONGITUDE | LATITUDE |
|---|---|---|---|
| 7-MAR | 1000 | 139 59.81 | 31 8.00 |
| 7-MAR | 1100 | 139 59.47 | 31 4.07 |
| 7-MAR | 1200 | 139 59.38 | 31 0.39 |
| 7-MAR | 1300 | 139 59.37 | 30 56.53 |
| 7-MAR | 1400 | 139 59.35 | 30 52.67 |
| 7-MAR | 1500 | 139 59.35 | 30 48.80 |
| 7-MAR | 1600 | 139 59.60 | 30 44.57 |
| 7-MAR | 1700 | 139 59.99 | 30 40.20 |
| 7-MAR | 1800 | 140 0.51 | 30 35.87 |
| 7-MAR | 1900 | 140 1.23 | 30 31.41 |
| 7-MAR | 2000 | 140 1.63 | 30 27.17 |
| 7-MAR | 2100 | 140 1.41 | 30 23.22 |
| 7-MAR | 2200 | 140 1.19 | 30 19.26 |
| 7-MAR | 2300 | 140 0.97 | 30 15.30 |
| 8-MAR | 0 | 140 0.08 | 30 11.80 |
| 8-MAR | 100 | 139 59.55 | 30 7.66 |
| 8-MAR | 200 | 139 59.20 | 30 3.52 |
| 8-MAR | 300 | 139 58.89 | 29 59.39 |
| 8-MAR | 400 | 139 59.31 | 29 55.23 |
| 8-MAR | 500 | 139 59.90 | 29 51.14 |
| 8-MAR | 600 | 140 0.67 | 29 46.85 |
| 8-MAR | 700 | 140 1.57 | 29 42.40 |
| 8-MAR | 800 | 140 2.09 | 29 38.10 |
| 8-MAR | 900 | 140 1.09 | 29 34.45 |
| 8-MAR | 1000 | 140 0.61 | 29 30.56 |
| 8-MAR | 1100 | 140 0.07 | 29 26.63 |
| 8-MAR | 1200 | 139 59.55 | 29 22.69 |
| 8-MAR | 1300 | 139 59.77 | 29 18.73 |
| 8-MAR | 1400 | 139 59.86 | 29 14.70 |
| 8-MAR | 1500 | 139 59.95 | 29 10.67 |
| 8-MAR | 1600 | 140 0.04 | 29 6.64 |
| 8-MAR | 1700 | 140 0.10 | 29 3.11 |
| 8-MAR | 1800 | 140 0.15 | 28 59.70 |
| 8-MAR | 1900 | 140 0.20 | 28 56.29 |
| 8-MAR | 2000 | 140 0.26 | 28 52.87 |
| 8-MAR | 2100 | 140 0.31 | 28 49.46 |
| 8-MAR | 2200 | 140 0.37 | 28 46.05 |
| 8-MAR | 2300 | 140 0.42 | 28 42.64 |
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| 9-MAR | 200 | 140 0.59 | 28 32.39 |
| 9-MAR | 300 | 140 0.64 | 28 28.98 |
| 9-MAR | 400 | 140 0.79 | 28 25.69 |
| 9-MAR | 500 | 140 1.16 | 28 22.69 |
| 9-MAR | 600 | 140 1.54 | 28 19.68 |
| 9-MAR | 700 | 140 1.76 | 28 16.54 |
| 9-MAR | 800 | 140 1.76 | 28 13.19 |
| 9-MAR | 900 | 140 2.29 | 28 9.83 |
| 9-MAR | 1000 | 140 1.91 | 28 6.49 |
| 9-MAR | 1100 | 140 1.34 | 28 3.17 |

| DATE | TIME | LONGITUDE | LATITUDE |
|---|---|---|---|
| 7-MAR | 1030 | 139 59.63 | 31 6.01 |
| 7-MAR | 1130 | 139 59.39 | 31 2.32 |
| 7-MAR | 1230 | 139 59.38 | 30 58.46 |
| 7-MAR | 1330 | 139 59.36 | 30 54.60 |
| 7-MAR | 1430 | 139 59.35 | 30 50.74 |
| 7-MAR | 1530 | 139 59.47 | 30 46.69 |
| 7-MAR | 1630 | 139 59.79 | 30 42.38 |
| 7-MAR | 1730 | 140 0.18 | 30 38.02 |
| 7-MAR | 1830 | 140 0.86 | 30 33.67 |
| 7-MAR | 1930 | 140 1.67 | 30 29.17 |
| 7-MAR | 2030 | 140 1.52 | 30 25.20 |
| 7-MAR | 2130 | 140 1.30 | 30 21.24 |
| 7-MAR | 2230 | 140 1.08 | 30 17.28 |
| 7-MAR | 2330 | 140 0.86 | 30 13.32 |
| 8-MAR | 30 | 139 59.82 | 30 9.73 |
| 8-MAR | 130 | 139 59.35 | 30 5.59 |
| 8-MAR | 230 | 139 59.05 | 30 1.46 |
| 8-MAR | 330 | 139 59.10 | 29 57.31 |
| 8-MAR | 430 | 139 59.60 | 29 53.18 |
| 8-MAR | 530 | 140 0.22 | 29 49.07 |
| 8-MAR | 630 | 140 1.12 | 29 44.62 |
| 8-MAR | 730 | 140 2.02 | 29 40.17 |
| 8-MAR | 830 | 140 1.70 | 29 36.22 |
| 8-MAR | 930 | 140 0.85 | 29 32.51 |
| 8-MAR | 1030 | 140 0.34 | 29 28.60 |
| 8-MAR | 1130 | 139 59.80 | 29 24.65 |
| 8-MAR | 1230 | 139 59.38 | 29 20.73 |
| 8-MAR | 1330 | 139 59.81 | 29 16.72 |
| 8-MAR | 1430 | 139 59.90 | 29 12.68 |
| 8-MAR | 1530 | 139 59.99 | 29 8.65 |
| 8-MAR | 1630 | 140 0.07 | 29 4.82 |
| 8-MAR | 1730 | 140 0.12 | 29 1.41 |
| 8-MAR | 1830 | 140 0.17 | 28 58.00 |
| 8-MAR | 1930 | 140 0.23 | 28 54.58 |
| 8-MAR | 2030 | 140 0.29 | 28 51.17 |
| 8-MAR | 2130 | 140 0.34 | 28 47.75 |
| 8-MAR | 2230 | 140 0.40 | 28 44.34 |
| 8-MAR | 2330 | 140 0.45 | 28 40.93 |
| 9-MAR | 30 | 140 0.50 | 28 37.51 |
| 9-MAR | 130 | 140 0.56 | 28 34.10 |
| 9-MAR | 230 | 140 0.61 | 28 30.68 |
| 9-MAR | 330 | 140 0.67 | 28 27.27 |
| 9-MAR | 430 | 140 0.98 | 28 24.19 |
| 9-MAR | 530 | 140 1.35 | 28 21.18 |
| 9-MAR | 630 | 140 1.72 | 28 18.18 |
| 9-MAR | 730 | 140 1.76 | 28 14.87 |
| 9-MAR | 830 | 140 1.89 | 28 11.51 |
| 9-MAR | 930 | 140 2.29 | 28 8.15 |
| 9-MAR | 1030 | 140 1.55 | 28 4.83 |
| 9-MAR | 1130 | 140 1.21 | 28 1.51 |

# TROPIC HEAT HALF-HOURLY POSITIONS

| DATE | TIME | LONGITUDE | LATITUDE | DATE | TIME | LONGITUDE | LATITUDE |
|---|---|---|---|---|---|---|---|
| 9-MAR | 1200 | 140 1.07 | 27 59.86 | 9-MAR | 1230 | 140 0.87 | 27 58.08 |
| 9-MAR | 1300 | 140 0.66 | 27 56.30 | 9-MAR | 1330 | 140 0.45 | 27 54.53 |
| 9-MAR | 1400 | 140 0.24 | 27 52.75 | 9-MAR | 1430 | 140 0.03 | 27 50.98 |
| 9-MAR | 1500 | 139 59.82 | 27 49.20 | 9-MAR | 1530 | 139 59.62 | 27 47.42 |
| 9-MAR | 1600 | 140 0.01 | 27 45.50 | 9-MAR | 1630 | 140 0.56 | 27 43.55 |
| 9-MAR | 1700 | 140 1.12 | 27 41.60 | 9-MAR | 1730 | 140 1.67 | 27 39.64 |
| 9-MAR | 1800 | 140 2.22 | 27 37.69 | 9-MAR | 1830 | 140 2.78 | 27 35.74 |
| 9-MAR | 1900 | 140 3.33 | 27 33.78 | 9-MAR | 1930 | 140 3.82 | 27 31.84 |
| 9-MAR | 2000 | 140 2.14 | 27 30.38 | 9-MAR | 2030 | 140 0.46 | 27 28.93 |
| 9-MAR | 2100 | 139 59.89 | 27 27.91 | 9-MAR | 2130 | 139 59.62 | 27 27.40 |
| 9-MAR | 2200 | 139 59.50 | 27 27.30 | 9-MAR | 2230 | 139 59.39 | 27 27.21 |
| 9-MAR | 2300 | 139 59.17 | 27 26.59 | 9-MAR | 2330 | 139 58.85 | 27 25.49 |
| 10-MAR | 0 | 139 58.54 | 27 24.40 | 10-MAR | 30 | 139 58.22 | 27 23.30 |
| 10-MAR | 100 | 139 58.36 | 27 21.63 | 10-MAR | 130 | 139 58.54 | 27 19.91 |
| 10-MAR | 200 | 139 58.72 | 27 18.19 | 10-MAR | 230 | 139 58.90 | 27 16.46 |
| 10-MAR | 300 | 139 59.08 | 27 14.74 | 10-MAR | 330 | 139 59.26 | 27 13.02 |
| 10-MAR | 400 | 139 59.44 | 27 11.30 | 10-MAR | 430 | 139 59.62 | 27 9.58 |
| 10-MAR | 500 | 139 59.80 | 27 7.86 | 10-MAR | 530 | 140 0.19 | 27 6.20 |
| 10-MAR | 600 | 140 0.64 | 27 4.56 | 10-MAR | 630 | 140 1.09 | 27 2.92 |
| 10-MAR | 700 | 140 1.54 | 27 1.28 | 10-MAR | 730 | 140 1.99 | 26 59.58 |
| 10-MAR | 800 | 140 2.53 | 26 57.89 | 10-MAR | 830 | 140 2.83 | 26 56.21 |
| 10-MAR | 900 | 140 2.23 | 26 54.61 | 10-MAR | 930 | 140 2.18 | 26 53.20 |
| 10-MAR | 1000 | 140 2.14 | 26 51.79 | 10-MAR | 1030 | 140 2.09 | 26 50.38 |
| 10-MAR | 1100 | 140 2.05 | 26 48.96 | 10-MAR | 1130 | 140 2.01 | 26 47.55 |
| 10-MAR | 1200 | 140 1.97 | 26 46.14 | 10-MAR | 1230 | 140 1.76 | 26 44.71 |
| 10-MAR | 1300 | 140 1.52 | 26 43.27 | 10-MAR | 1330 | 140 1.28 | 26 41.83 |
| 10-MAR | 1400 | 140 1.04 | 26 40.39 | 10-MAR | 1430 | 140 0.80 | 26 38.95 |
| 10-MAR | 1500 | 140 0.56 | 26 37.51 | 10-MAR | 1530 | 140 0.33 | 26 36.07 |
| 10-MAR | 1600 | 140 0.09 | 26 34.64 | 10-MAR | 1630 | 139 59.85 | 26 33.20 |
| 10-MAR | 1700 | 139 59.62 | 26 31.79 | 10-MAR | 1730 | 139 59.42 | 26 30.46 |
| 10-MAR | 1800 | 139 59.22 | 26 29.13 | 10-MAR | 1830 | 139 59.23 | 26 27.77 |
| 10-MAR | 1900 | 139 59.74 | 26 26.30 | 10-MAR | 1930 | 140 0.24 | 26 24.85 |
| 10-MAR | 2000 | 140 0.74 | 26 23.39 | 10-MAR | 2030 | 140 1.18 | 26 21.92 |
| 10-MAR | 2100 | 140 1.12 | 26 20.38 | 10-MAR | 2130 | 140 1.07 | 26 18.83 |
| 10-MAR | 2200 | 140 0.88 | 26 17.31 | 10-MAR | 2230 | 140 0.38 | 26 15.81 |
| 10-MAR | 2300 | 139 59.97 | 26 14.27 | 10-MAR | 2330 | 139 59.56 | 26 12.72 |
| 11-MAR | 0 | 139 59.14 | 26 11.18 | 11-MAR | 30 | 139 59.15 | 26 9.53 |
| 11-MAR | 100 | 139 59.33 | 26 7.85 | 11-MAR | 130 | 139 59.42 | 26 6.23 |
| 11-MAR | 200 | 139 59.45 | 26 4.65 | 11-MAR | 230 | 139 59.47 | 26 3.07 |
| 11-MAR | 300 | 139 59.50 | 26 1.50 | 11-MAR | 330 | 139 59.53 | 25 59.92 |
| 11-MAR | 400 | 139 59.56 | 25 58.34 | 11-MAR | 430 | 139 59.59 | 25 56.77 |
| 11-MAR | 500 | 139 59.78 | 25 55.30 | 11-MAR | 530 | 140 0.10 | 25 53.92 |
| 11-MAR | 600 | 140 0.42 | 25 52.54 | 11-MAR | 630 | 139 59.98 | 25 51.26 |
| 11-MAR | 700 | 140 0.40 | 25 49.62 | 11-MAR | 730 | 140 0.91 | 25 47.94 |
| 11-MAR | 800 | 140 0.86 | 25 46.25 | 11-MAR | 830 | 140 0.70 | 25 44.56 |
| 11-MAR | 900 | 140 0.55 | 25 42.86 | 11-MAR | 930 | 140 0.40 | 25 41.17 |
| 11-MAR | 1000 | 140 0.28 | 25 39.55 | 11-MAR | 1030 | 140 0.22 | 25 37.74 |
| 11-MAR | 1100 | 140 0.16 | 25 35.94 | 11-MAR | 1130 | 140 0.10 | 25 34.13 |
| 11-MAR | 1200 | 140 0.04 | 25 32.33 | 11-MAR | 1230 | 139 59.98 | 25 30.53 |
| 11-MAR | 1300 | 139 59.92 | 25 28.73 | 11-MAR | 1330 | 139 59.85 | 25 26.93 |

## TROPIC HEAT HALF-HOURLY POSITIONS

| DATE | TIME | LONGITUDE | LATITUDE | DATE | TIME | LONGITUDE | LATITUDE |
|---|---|---|---|---|---|---|---|
| 11-MAR | 1400 | 139 59.79 | 25 25.12 | 11-MAR | 1430 | 139 59.73 | 25 23.32 |
| 11-MAR | 1500 | 139 59.67 | 25 21.52 | 11-MAR | 1530 | 139 59.60 | 25 19.72 |
| 11-MAR | 1600 | 139 59.54 | 25 17.91 | 11-MAR | 1630 | 139 59.50 | 25 16.10 |
| 11-MAR | 1700 | 139 59.47 | 25 14.26 | 11-MAR | 1730 | 139 59.45 | 25 12.43 |
| 11-MAR | 1800 | 139 59.92 | 25 10.69 | 11-MAR | 1830 | 139 59.79 | 25 8.98 |
| 11-MAR | 1900 | 139 59.35 | 25 7.23 | 11-MAR | 1930 | 139 59.43 | 25 5.44 |
| 11-MAR | 2000 | 139 59.52 | 25 3.65 | 11-MAR | 2030 | 139 59.61 | 25 1.85 |
| 11-MAR | 2100 | 139 59.80 | 24 59.30 | 11-MAR | 2130 | 140 0.03 | 24 56.33 |
| 11-MAR | 2200 | 140 0.27 | 24 53.36 | 11-MAR | 2230 | 140 0.51 | 24 50.39 |
| 11-MAR | 2300 | 140 0.75 | 24 47.42 | 11-MAR | 2330 | 140 0.98 | 24 44.45 |
| 12-MAR | 0 | 140 1.22 | 24 41.48 | 12-MAR | 30 | 140 1.46 | 24 38.51 |
| 12-MAR | 100 | 140 0.97 | 24 33.15 | 12-MAR | 130 | 140 0.25 | 24 27.05 |
| 12-MAR | 200 | 139 59.69 | 24 23.69 | 12-MAR | 230 | 139 59.28 | 24 20.30 |
| 12-MAR | 300 | 139 59.39 | 24 14.33 | 12-MAR | 330 | 139 59.51 | 24 8.35 |
| 12-MAR | 400 | 139 59.62 | 24 2.38 | 12-MAR | 430 | 139 59.73 | 23 56.40 |
| 12-MAR | 500 | 139 59.84 | 23 50.42 | 12-MAR | 530 | 139 59.96 | 23 44.44 |
| 12-MAR | 600 | 140 0.07 | 23 38.47 | 12-MAR | 630 | 140 0.18 | 23 32.49 |
| 12-MAR | 700 | 140 0.29 | 23 26.51 | 12-MAR | 730 | 140 0.41 | 23 20.54 |
| 12-MAR | 800 | 140 0.52 | 23 14.56 | 12-MAR | 830 | 140 0.56 | 23 8.62 |
| 12-MAR | 900 | 140 0.35 | 23 2.81 | 12-MAR | 930 | 140 0.14 | 22 56.99 |
| 12-MAR | 1000 | 139 59.93 | 22 51.18 | 12-MAR | 1030 | 139 59.72 | 22 45.36 |
| 12-MAR | 1100 | 139 59.51 | 22 39.55 | 12-MAR | 1130 | 139 59.30 | 22 33.73 |
| 12-MAR | 1200 | 139 59.09 | 22 27.92 | 12-MAR | 1230 | 139 59.47 | 22 22.27 |
| 12-MAR | 1300 | 139 59.94 | 22 16.64 | 12-MAR | 1330 | 140 0.15 | 22 10.88 |
| 12-MAR | 1400 | 140 0.20 | 22 5.06 | 12-MAR | 1430 | 140 0.09 | 21 59.16 |
| 12-MAR | 1500 | 139 59.98 | 21 53.26 | 12-MAR | 1530 | 139 59.86 | 21 47.37 |
| 12-MAR | 1600 | 139 59.74 | 21 41.47 | 12-MAR | 1630 | 139 59.63 | 21 35.58 |
| 12-MAR | 1700 | 139 59.51 | 21 29.68 | 12-MAR | 1730 | 139 59.36 | 21 23.66 |
| 12-MAR | 1800 | 139 59.35 | 21 17.64 | 12-MAR | 1830 | 139 59.45 | 21 11.62 |
| 12-MAR | 1900 | 139 59.70 | 21 5.61 | 12-MAR | 1930 | 140 0.25 | 20 59.60 |
| 12-MAR | 2000 | 140 0.60 | 20 53.59 | 12-MAR | 2030 | 140 0.50 | 20 47.54 |
| 12-MAR | 2100 | 140 0.41 | 20 41.50 | 12-MAR | 2130 | 140 0.20 | 20 35.55 |
| 12-MAR | 2200 | 140 0.08 | 20 29.65 | 12-MAR | 2230 | 140 0.08 | 20 23.71 |
| 12-MAR | 2300 | 140 0.07 | 20 17.77 | 12-MAR | 2330 | 140 0.13 | 20 11.92 |
| 13-MAR | 0 | 140 0.37 | 20 6.27 | 13-MAR | 30 | 140 0.42 | 20 0.26 |
| 13-MAR | 100 | 140 0.47 | 19 54.24 | 13-MAR | 130 | 140 0.41 | 19 48.22 |
| 13-MAR | 200 | 140 0.31 | 19 42.20 | 13-MAR | 230 | 140 0.19 | 19 36.17 |
| 13-MAR | 300 | 140 0.08 | 19 30.15 | 13-MAR | 330 | 139 59.97 | 19 24.13 |
| 13-MAR | 400 | 140 0.69 | 19 17.47 | 13-MAR | 430 | 140 0.67 | 19 11.54 |
| 13-MAR | 500 | 140 0.65 | 19 5.62 | 13-MAR | 530 | 140 0.63 | 18 59.69 |
| 13-MAR | 600 | 140 0.49 | 18 53.72 | 13-MAR | 630 | 140 0.25 | 18 47.71 |
| 13-MAR | 700 | 140 0.19 | 18 41.77 | 13-MAR | 730 | 140 0.19 | 18 35.87 |
| 13-MAR | 800 | 140 0.19 | 18 30.01 | 13-MAR | 830 | 140 0.19 | 18 24.14 |
| 13-MAR | 900 | 140 0.20 | 18 18.27 | 13-MAR | 930 | 140 0.40 | 18 12.40 |
| 13-MAR | 1000 | 140 0.59 | 18 6.53 | 13-MAR | 1030 | 140 0.78 | 18 0.67 |
| 13-MAR | 1100 | 140 0.98 | 17 54.80 | 13-MAR | 1130 | 140 1.28 | 17 49.13 |
| 13-MAR | 1200 | 140 1.58 | 17 43.12 | 13-MAR | 1230 | 140 1.90 | 17 37.09 |
| 13-MAR | 1300 | 140 1.97 | 17 31.16 | 13-MAR | 1330 | 140 1.62 | 17 25.34 |
| 13-MAR | 1400 | 140 1.04 | 17 19.46 | 13-MAR | 1430 | 140 0.47 | 17 13.58 |
| 13-MAR | 1500 | 139 59.90 | 17 7.71 | 13-MAR | 1530 | 140 0.19 | 17 4.87 |

## TROPIC HEAT HALF-HOURLY POSITIONS

| DATE | TIME | LONGITUDE | LATITUDE | DATE | TIME | LONGITUDE | LATITUDE |
|---|---|---|---|---|---|---|---|
| 13-MAR | 1600 | 140 0.69 | 17 2.80 | 13-MAR | 1630 | 140 1.20 | 17 0.73 |
| 13-MAR | 1700 | 140 1.70 | 16 58.66 | 13-MAR | 1730 | 140 2.21 | 16 56.59 |
| 13-MAR | 1800 | 140 2.72 | 16 54.53 | 13-MAR | 1830 | 140 3.22 | 16 52.46 |
| 13-MAR | 1900 | 140 3.55 | 16 50.36 | 13-MAR | 1930 | 140 2.87 | 16 49.62 |
| 13-MAR | 2000 | 140 1.55 | 16 49.51 | 13-MAR | 2030 | 140 0.86 | 16 48.34 |
| 13-MAR | 2100 | 140 0.89 | 16 46.33 | 13-MAR | 2130 | 140 0.92 | 16 44.33 |
| 13-MAR | 2200 | 140 0.94 | 16 42.32 | 13-MAR | 2230 | 140 0.97 | 16 40.31 |
| 13-MAR | 2300 | 140 1.00 | 16 38.31 | 13-MAR | 2330 | 140 1.03 | 16 36.31 |
| 14-MAR | 0 | 140 1.06 | 16 34.30 | 14-MAR | 30 | 140 1.09 | 16 32.29 |
| 14-MAR | 100 | 140 1.12 | 16 30.29 | 14-MAR | 130 | 140 1.15 | 16 28.28 |
| 14-MAR | 200 | 140 1.18 | 16 26.28 | 14-MAR | 230 | 140 1.21 | 16 24.27 |
| 14-MAR | 300 | 140 1.24 | 16 22.27 | 14-MAR | 330 | 140 1.27 | 16 20.26 |
| 14-MAR | 400 | 140 1.31 | 16 18.33 | 14-MAR | 430 | 140 1.36 | 16 16.41 |
| 14-MAR | 500 | 140 1.40 | 16 14.49 | 14-MAR | 530 | 140 1.45 | 16 12.57 |
| 14-MAR | 600 | 140 1.49 | 16 10.65 | 14-MAR | 630 | 140 1.54 | 16 8.73 |
| 14-MAR | 700 | 140 1.58 | 16 6.80 | 14-MAR | 730 | 140 1.63 | 16 4.88 |
| 14-MAR | 800 | 140 1.67 | 16 2.96 | 14-MAR | 830 | 140 1.72 | 16 1.04 |
| 14-MAR | 900 | 140 1.77 | 15 59.12 | 14-MAR | 930 | 140 1.81 | 15 57.20 |
| 14-MAR | 1000 | 140 1.81 | 15 55.36 | 14-MAR | 1030 | 140 1.79 | 15 53.53 |
| 14-MAR | 1100 | 140 1.77 | 15 51.70 | 14-MAR | 1130 | 140 1.75 | 15 49.87 |
| 14-MAR | 1200 | 140 1.73 | 15 48.03 | 14-MAR | 1230 | 140 1.71 | 15 46.20 |
| 14-MAR | 1300 | 140 1.70 | 15 44.37 | 14-MAR | 1330 | 140 1.68 | 15 42.53 |
| 14-MAR | 1400 | 140 1.66 | 15 40.70 | 14-MAR | 1430 | 140 1.64 | 15 38.87 |
| 14-MAR | 1500 | 140 1.21 | 15 36.85 | 14-MAR | 1530 | 140 0.76 | 15 34.81 |
| 14-MAR | 1600 | 140 0.31 | 15 32.78 | 14-MAR | 1630 | 139 59.85 | 15 30.74 |
| 14-MAR | 1700 | 139 59.39 | 15 28.70 | 14-MAR | 1730 | 139 59.17 | 15 26.55 |
| 14-MAR | 1800 | 139 59.14 | 15 24.29 | 14-MAR | 1830 | 139 59.11 | 15 22.03 |
| 14-MAR | 1900 | 139 58.68 | 15 19.78 | 14-MAR | 1930 | 139 58.57 | 15 17.47 |
| 14-MAR | 2000 | 139 58.64 | 15 15.16 | 14-MAR | 2030 | 139 59.24 | 15 12.90 |
| 14-MAR | 2100 | 139 59.63 | 15 10.64 | 14-MAR | 2130 | 139 59.65 | 15 8.36 |
| 14-MAR | 2200 | 139 59.66 | 15 6.08 | 14-MAR | 2230 | 139 59.68 | 15 3.80 |
| 14-MAR | 2300 | 139 59.69 | 15 1.52 | 14-MAR | 2330 | 139 59.70 | 14 59.24 |
| 15-MAR | 0 | 139 59.72 | 14 56.96 | 15-MAR | 30 | 139 59.73 | 14 54.68 |
| 15-MAR | 100 | 139 59.74 | 14 52.39 | 15-MAR | 130 | 139 59.75 | 14 50.11 |
| 15-MAR | 200 | 139 59.77 | 14 47.83 | 15-MAR | 230 | 139 59.81 | 14 45.55 |
| 15-MAR | 300 | 139 59.96 | 14 43.24 | 15-MAR | 330 | 140 0.11 | 14 40.93 |
| 15-MAR | 400 | 140 0.25 | 14 38.63 | 15-MAR | 430 | 140 0.40 | 14 36.32 |
| 15-MAR | 500 | 140 0.55 | 14 34.03 | 15-MAR | 530 | 140 0.71 | 14 31.84 |
| 15-MAR | 600 | 140 0.87 | 14 29.66 | 15-MAR | 630 | 140 1.03 | 14 27.47 |
| 15-MAR | 700 | 140 1.13 | 14 25.36 | 15-MAR | 730 | 140 1.20 | 14 23.29 |
| 15-MAR | 800 | 140 1.11 | 14 21.26 | 15-MAR | 830 | 140 0.92 | 14 19.23 |
| 15-MAR | 900 | 140 0.86 | 14 17.13 | 15-MAR | 930 | 140 0.81 | 14 15.04 |
| 15-MAR | 1000 | 140 0.76 | 14 12.94 | 15-MAR | 1030 | 140 0.70 | 14 10.84 |
| 15-MAR | 1100 | 140 0.65 | 14 8.75 | 15-MAR | 1130 | 140 0.59 | 14 6.65 |
| 15-MAR | 1200 | 140 0.54 | 14 4.55 | 15-MAR | 1230 | 140 0.49 | 14 2.46 |
| 15-MAR | 1300 | 140 0.43 | 14 0.36 | 15-MAR | 1330 | 140 0.38 | 13 58.27 |
| 15-MAR | 1400 | 140 0.32 | 13 56.17 | 15-MAR | 1430 | 140 0.26 | 13 54.07 |
| 15-MAR | 1500 | 140 0.21 | 13 51.98 | 15-MAR | 1530 | 140 0.16 | 13 49.88 |
| 15-MAR | 1600 | 140 0.10 | 13 47.78 | 15-MAR | 1630 | 140 0.05 | 13 45.69 |
| 15-MAR | 1700 | 139 59.99 | 13 43.59 | 15-MAR | 1730 | 139 59.94 | 13 41.50 |

# TROPIC HEAT HALF-HOURLY POSITIONS

| DATE | TIME | LONGITUDE | LATITUDE | DATE | TIME | LONGITUDE | LATITUDE |
|---|---|---|---|---|---|---|---|
| 15-MAR | 1800 | 139 59.92 | 13 39.40 | 15-MAR | 1830 | 140 0.13 | 13 37.27 |
| 15-MAR | 1900 | 139 59.89 | 13 35.03 | 15-MAR | 1930 | 139 59.65 | 13 32.78 |
| 15-MAR | 2000 | 139 59.56 | 13 30.75 | 15-MAR | 2030 | 139 59.56 | 13 28.86 |
| 15-MAR | 2100 | 139 59.57 | 13 26.96 | 15-MAR | 2130 | 139 59.57 | 13 25.07 |
| 15-MAR | 2200 | 139 59.58 | 13 23.18 | 15-MAR | 2230 | 139 59.86 | 13 21.46 |
| 15-MAR | 2300 | 139 59.93 | 13 19.61 | 15-MAR | 2330 | 139 59.73 | 13 17.59 |
| 16-MAR | 0 | 139 59.53 | 13 15.56 | 16-MAR | 30 | 139 59.62 | 13 13.48 |
| 16-MAR | 100 | 139 59.70 | 13 11.39 | 16-MAR | 130 | 139 59.78 | 13 9.31 |
| 16-MAR | 200 | 139 59.85 | 13 7.24 | 16-MAR | 230 | 139 59.90 | 13 5.18 |
| 16-MAR | 300 | 139 59.95 | 13 3.13 | 16-MAR | 330 | 139 59.99 | 13 1.07 |
| 16-MAR | 400 | 140 0.04 | 12 59.01 | 16-MAR | 430 | 140 0.08 | 12 56.95 |
| 16-MAR | 500 | 140 0.12 | 12 54.87 | 16-MAR | 530 | 140 0.15 | 12 52.79 |
| 16-MAR | 600 | 139 59.99 | 12 50.60 | 16-MAR | 630 | 139 59.76 | 12 48.53 |
| 16-MAR | 700 | 139 59.94 | 12 46.24 | 16-MAR | 730 | 139 59.98 | 12 44.07 |
| 16-MAR | 800 | 140 0.06 | 12 41.91 | 16-MAR | 830 | 140 0.25 | 12 39.68 |
| 16-MAR | 900 | 140 0.45 | 12 37.46 | 16-MAR | 930 | 140 0.62 | 12 35.11 |
| 16-MAR | 1000 | 140 0.78 | 12 32.77 | 16-MAR | 1030 | 140 0.89 | 12 30.46 |
| 16-MAR | 1100 | 140 0.88 | 12 28.41 | 16-MAR | 1130 | 140 0.87 | 12 26.36 |
| 16-MAR | 1200 | 140 0.86 | 12 24.31 | 16-MAR | 1230 | 140 0.85 | 12 22.26 |
| 16-MAR | 1300 | 140 0.83 | 12 20.21 | 16-MAR | 1330 | 140 0.82 | 12 18.16 |
| 16-MAR | 1400 | 140 0.82 | 12 16.10 | 16-MAR | 1430 | 140 0.80 | 12 14.05 |
| 16-MAR | 1500 | 140 0.79 | 12 12.00 | 16-MAR | 1530 | 140 0.66 | 12 10.04 |
| 16-MAR | 1600 | 140 0.47 | 12 8.14 | 16-MAR | 1630 | 140 0.29 | 12 6.23 |
| 16-MAR | 1700 | 140 0.10 | 12 4.32 | 16-MAR | 1730 | 140 0.00 | 12 2.39 |
| 16-MAR | 1800 | 140 0.16 | 12 0.40 | 16-MAR | 1830 | 140 0.32 | 11 58.40 |
| 16-MAR | 1900 | 140 0.49 | 11 56.41 | 16-MAR | 1930 | 140 0.58 | 11 54.43 |
| 16-MAR | 2000 | 140 0.65 | 11 52.46 | 16-MAR | 2030 | 140 0.71 | 11 50.49 |
| 16-MAR | 2100 | 140 0.77 | 11 48.52 | 16-MAR | 2130 | 140 0.83 | 11 46.55 |
| 16-MAR | 2200 | 140 0.90 | 11 44.59 | 16-MAR | 2230 | 140 0.96 | 11 42.62 |
| 16-MAR | 2300 | 140 1.03 | 11 40.65 | 16-MAR | 2330 | 140 1.09 | 11 38.69 |
| 17-MAR | 0 | 140 1.26 | 11 36.72 | 17-MAR | 30 | 140 1.46 | 11 34.76 |
| 17-MAR | 100 | 140 1.66 | 11 32.80 | 17-MAR | 130 | 140 1.63 | 11 30.82 |
| 17-MAR | 200 | 140 1.46 | 11 28.84 | 17-MAR | 230 | 140 1.29 | 11 26.85 |
| 17-MAR | 300 | 140 1.13 | 11 24.86 | 17-MAR | 330 | 140 1.10 | 11 22.86 |
| 17-MAR | 400 | 140 1.08 | 11 20.85 | 17-MAR | 430 | 140 0.98 | 11 18.94 |
| 17-MAR | 500 | 140 0.85 | 11 17.08 | 17-MAR | 530 | 140 0.34 | 11 15.28 |
| 17-MAR | 600 | 139 59.78 | 11 13.48 | 17-MAR | 630 | 139 59.49 | 11 11.52 |
| 17-MAR | 700 | 139 59.23 | 11 9.54 | 17-MAR | 730 | 139 59.05 | 11 7.51 |
| 17-MAR | 800 | 139 58.88 | 11 5.48 | 17-MAR | 830 | 139 58.70 | 11 3.46 |
| 17-MAR | 900 | 139 58.52 | 11 1.43 | 17-MAR | 930 | 139 58.35 | 10 59.40 |
| 17-MAR | 1000 | 139 58.41 | 10 57.32 | 17-MAR | 1030 | 139 58.47 | 10 55.23 |
| 17-MAR | 1100 | 139 58.52 | 10 53.15 | 17-MAR | 1130 | 139 58.58 | 10 51.07 |
| 17-MAR | 1200 | 139 58.64 | 10 48.98 | 17-MAR | 1230 | 139 58.70 | 10 46.90 |
| 17-MAR | 1300 | 139 58.76 | 10 44.81 | 17-MAR | 1330 | 139 58.82 | 10 42.73 |
| 17-MAR | 1400 | 139 58.87 | 10 40.64 | 17-MAR | 1430 | 139 58.93 | 10 38.56 |
| 17-MAR | 1500 | 139 58.94 | 10 36.35 | 17-MAR | 1530 | 139 58.94 | 10 34.11 |
| 17-MAR | 1600 | 139 58.94 | 10 31.87 | 17-MAR | 1630 | 139 58.94 | 10 29.63 |
| 17-MAR | 1700 | 139 59.03 | 10 27.38 | 17-MAR | 1730 | 139 59.14 | 10 25.13 |
| 17-MAR | 1800 | 139 59.24 | 10 22.88 | 17-MAR | 1830 | 139 59.35 | 10 20.62 |
| 17-MAR | 1900 | 139 59.46 | 10 18.37 | 17-MAR | 1930 | 139 59.44 | 10 16.44 |

## TROPIC HEAT HALF-HOURLY POSITIONS

| DATE | TIME | LONGITUDE | LATITUDE | DATE | TIME | LONGITUDE | LATITUDE |
|---|---|---|---|---|---|---|---|
| 17-MAR | 2000 | 139 59.36 | 10 14.69 | 17-MAR | 2030 | 139 59.27 | 10 12.94 |
| 17-MAR | 2100 | 139 59.18 | 10 11.20 | 17-MAR | 2130 | 139 59.09 | 10 9.45 |
| 17-MAR | 2200 | 139 59.00 | 10 7.70 | 17-MAR | 2230 | 139 58.91 | 10 5.96 |
| 17-MAR | 2300 | 139 58.84 | 10 4.11 | 17-MAR | 2330 | 139 58.79 | 10 2.05 |
| 18-MAR | 0 | 139 58.76 | 9 59.99 | 18-MAR | 30 | 139 58.72 | 9 57.93 |
| 18-MAR | 100 | 139 59.05 | 9 56.20 | 18-MAR | 130 | 139 59.12 | 9 53.63 |
| 18-MAR | 200 | 139 59.19 | 9 51.05 | 18-MAR | 230 | 139 59.25 | 9 48.46 |
| 18-MAR | 300 | 139 59.32 | 9 45.88 | 18-MAR | 330 | 139 59.38 | 9 43.29 |
| 18-MAR | 400 | 139 59.45 | 9 40.79 | 18-MAR | 430 | 139 59.51 | 9 38.39 |
| 18-MAR | 500 | 139 59.57 | 9 36.01 | 18-MAR | 530 | 139 59.64 | 9 33.61 |
| 18-MAR | 600 | 139 59.71 | 9 31.22 | 18-MAR | 630 | 139 59.77 | 9 28.82 |
| 18-MAR | 700 | 139 59.83 | 9 26.44 | 18-MAR | 730 | 139 59.90 | 9 24.04 |
| 18-MAR | 800 | 140 0.00 | 9 21.68 | 18-MAR | 830 | 140 0.16 | 9 19.39 |
| 18-MAR | 900 | 140 0.19 | 9 17.20 | 18-MAR | 930 | 140 0.22 | 9 15.02 |
| 18-MAR | 1000 | 140 0.25 | 9 12.83 | 18-MAR | 1030 | 140 0.28 | 9 10.64 |
| 18-MAR | 1100 | 140 0.31 | 9 8.46 | 18-MAR | 1130 | 140 0.34 | 9 6.28 |
| 18-MAR | 1200 | 140 0.37 | 9 4.09 | 18-MAR | 1230 | 140 0.46 | 9 1.86 |
| 18-MAR | 1300 | 140 0.54 | 8 59.66 | 18-MAR | 1330 | 140 0.59 | 8 57.52 |
| 18-MAR | 1400 | 140 0.65 | 8 55.37 | 18-MAR | 1430 | 140 0.62 | 8 53.28 |
| 18-MAR | 1500 | 140 0.59 | 8 51.19 | 18-MAR | 1530 | 140 0.56 | 8 49.11 |
| 18-MAR | 1600 | 140 0.45 | 8 47.26 | 18-MAR | 1630 | 140 0.33 | 8 45.40 |
| 18-MAR | 1700 | 140 0.21 | 8 43.55 | 18-MAR | 1730 | 139 59.96 | 8 41.59 |
| 18-MAR | 1800 | 139 59.86 | 8 39.44 | 18-MAR | 1830 | 139 59.99 | 8 37.27 |
| 18-MAR | 1900 | 140 0.14 | 8 35.09 | 18-MAR | 1930 | 140 0.25 | 8 32.96 |
| 18-MAR | 2000 | 140 0.23 | 8 30.87 | 18-MAR | 2030 | 140 0.31 | 8 28.71 |
| 18-MAR | 2100 | 140 0.54 | 8 26.51 | 18-MAR | 2130 | 140 0.76 | 8 24.32 |
| 18-MAR | 2200 | 140 0.99 | 8 22.12 | 18-MAR | 2230 | 140 1.17 | 8 20.05 |
| 18-MAR | 2300 | 140 1.22 | 8 18.05 | 18-MAR | 2330 | 140 1.07 | 8 16.16 |
| 19-MAR | 0 | 140 0.91 | 8 14.26 | 19-MAR | 30 | 140 0.76 | 8 12.37 |
| 19-MAR | 100 | 140 0.68 | 8 10.24 | 19-MAR | 130 | 140 0.64 | 8 8.04 |
| 19-MAR | 200 | 140 0.58 | 8 5.84 | 19-MAR | 230 | 140 0.50 | 8 3.65 |
| 19-MAR | 300 | 140 0.41 | 8 1.45 | 19-MAR | 330 | 140 0.35 | 7 59.27 |
| 19-MAR | 400 | 140 0.38 | 7 57.17 | 19-MAR | 430 | 140 0.41 | 7 55.06 |
| 19-MAR | 500 | 140 0.43 | 7 52.96 | 19-MAR | 530 | 140 0.46 | 7 50.85 |
| 19-MAR | 600 | 140 0.49 | 7 48.74 | 19-MAR | 630 | 140 0.51 | 7 46.64 |
| 19-MAR | 700 | 140 0.53 | 7 44.53 | 19-MAR | 730 | 140 0.56 | 7 42.43 |
| 19-MAR | 800 | 140 0.59 | 7 40.32 | 19-MAR | 830 | 140 0.61 | 7 38.21 |
| 19-MAR | 900 | 140 0.64 | 7 36.11 | 19-MAR | 930 | 140 0.58 | 7 33.94 |
| 19-MAR | 1000 | 140 0.51 | 7 31.76 | 19-MAR | 1030 | 140 0.44 | 7 29.59 |
| 19-MAR | 1100 | 140 0.37 | 7 27.41 | 19-MAR | 1130 | 140 0.30 | 7 25.23 |
| 19-MAR | 1200 | 140 0.23 | 7 23.05 | 19-MAR | 1230 | 140 0.16 | 7 20.87 |
| 19-MAR | 1300 | 140 0.10 | 7 18.70 | 19-MAR | 1330 | 140 0.02 | 7 16.52 |
| 19-MAR | 1400 | 139 59.96 | 7 14.35 | 19-MAR | 1430 | 139 59.89 | 7 12.17 |
| 19-MAR | 1500 | 139 59.82 | 7 9.99 | 19-MAR | 1530 | 139 59.75 | 7 7.81 |
| 19-MAR | 1600 | 139 59.68 | 7 5.64 | 19-MAR | 1630 | 139 59.61 | 7 3.46 |
| 19-MAR | 1700 | 139 59.63 | 7 1.22 | 19-MAR | 1730 | 139 59.72 | 6 58.94 |
| 19-MAR | 1800 | 139 59.81 | 6 56.66 | 19-MAR | 1830 | 139 59.90 | 6 54.38 |
| 19-MAR | 1900 | 139 59.95 | 6 52.08 | 19-MAR | 1930 | 139 59.99 | 6 49.78 |
| 19-MAR | 2000 | 140 0.03 | 6 47.48 | 19-MAR | 2030 | 140 0.06 | 6 45.18 |
| 19-MAR | 2100 | 140 0.02 | 6 42.92 | 19-MAR | 2130 | 139 59.99 | 6 40.67 |

## TROPIC HEAT HALF-HOURLY POSITIONS

| DATE | TIME | LONGITUDE | LATITUDE | DATE | TIME | LONGITUDE | LATITUDE |
|---|---|---|---|---|---|---|---|
| 19-MAR | 2200 | 139 59.98 | 6 38.42 | 19-MAR | 2230 | 139 59.98 | 6 36.16 |
| 19-MAR | 2300 | 140 0.07 | 6 33.85 | 19-MAR | 2330 | 140 0.15 | 6 31.54 |
| 20-MAR | 0 | 140 0.23 | 6 29.23 | 20-MAR | 30 | 140 0.28 | 6 26.93 |
| 20-MAR | 100 | 140 0.29 | 6 24.66 | 20-MAR | 130 | 140 0.31 | 6 22.38 |
| 20-MAR | 200 | 140 0.33 | 6 20.10 | 20-MAR | 230 | 140 0.35 | 6 17.83 |
| 20-MAR | 300 | 140 0.37 | 6 15.55 | 20-MAR | 330 | 140 0.38 | 6 13.27 |
| 20-MAR | 400 | 140 0.40 | 6 10.99 | 20-MAR | 430 | 140 0.40 | 6 8.73 |
| 20-MAR | 500 | 140 0.37 | 6 6.54 | 20-MAR | 530 | 140 0.34 | 6 4.35 |
| 20-MAR | 600 | 140 0.31 | 6 2.15 | 20-MAR | 630 | 140 0.28 | 5 59.96 |
| 20-MAR | 700 | 140 0.25 | 5 57.77 | 20-MAR | 730 | 140 0.22 | 5 55.58 |
| 20-MAR | 800 | 140 0.19 | 5 53.39 | 20-MAR | 830 | 140 0.16 | 5 51.19 |
| 20-MAR | 900 | 140 0.13 | 5 49.00 | 20-MAR | 930 | 140 0.10 | 5 46.81 |
| 20-MAR | 1000 | 140 0.07 | 5 44.62 | 20-MAR | 1030 | 140 0.04 | 5 42.43 |
| 20-MAR | 1100 | 140 0.00 | 5 40.24 | 20-MAR | 1130 | 139 59.97 | 5 38.04 |
| 20-MAR | 1200 | 139 59.94 | 5 35.85 | 20-MAR | 1230 | 139 59.91 | 5 33.65 |
| 20-MAR | 1300 | 139 59.88 | 5 31.46 | 20-MAR | 1330 | 139 59.85 | 5 29.27 |
| 20-MAR | 1400 | 139 59.82 | 5 27.08 | 20-MAR | 1430 | 139 59.79 | 5 24.89 |
| 20-MAR | 1500 | 139 59.75 | 5 22.70 | 20-MAR | 1530 | 139 59.72 | 5 20.50 |
| 20-MAR | 1600 | 139 59.69 | 5 18.31 | 20-MAR | 1630 | 139 59.66 | 5 16.12 |
| 20-MAR | 1700 | 139 59.65 | 5 14.87 | 20-MAR | 1730 | 139 59.63 | 5 13.73 |
| 20-MAR | 1800 | 139 59.44 | 5 13.10 | 20-MAR | 1830 | 139 59.12 | 5 12.78 |
| 20-MAR | 1900 | 139 58.81 | 5 12.46 | 20-MAR | 1930 | 139 58.57 | 5 12.04 |
| 20-MAR | 2000 | 139 59.28 | 5 10.06 | 20-MAR | 2030 | 139 59.80 | 5 8.45 |
| 20-MAR | 2100 | 139 59.69 | 5 7.98 | 20-MAR | 2130 | 139 59.68 | 5 6.17 |
| 20-MAR | 2200 | 139 59.67 | 5 4.33 | 20-MAR | 2230 | 139 59.59 | 5 1.90 |
| 20-MAR | 2300 | 139 59.50 | 4 59.42 | 20-MAR | 2330 | 139 59.41 | 4 56.94 |
| 21-MAR | 0 | 139 59.30 | 4 54.55 | 21-MAR | 30 | 139 59.15 | 4 52.33 |
| 21-MAR | 100 | 139 59.14 | 4 50.08 | 21-MAR | 130 | 139 59.17 | 4 47.83 |
| 21-MAR | 200 | 139 59.19 | 4 45.58 | 21-MAR | 230 | 139 59.22 | 4 43.33 |
| 21-MAR | 300 | 139 59.27 | 4 41.09 | 21-MAR | 330 | 139 59.32 | 4 38.86 |
| 21-MAR | 400 | 139 59.36 | 4 36.64 | 21-MAR | 430 | 139 59.44 | 4 34.42 |
| 21-MAR | 500 | 139 59.63 | 4 32.24 | 21-MAR | 530 | 139 59.83 | 4 30.08 |
| 21-MAR | 600 | 140 0.02 | 4 27.94 | 21-MAR | 630 | 140 0.21 | 4 25.79 |
| 21-MAR | 700 | 140 0.31 | 4 23.68 | 21-MAR | 730 | 140 0.34 | 4 21.58 |
| 21-MAR | 800 | 140 0.36 | 4 19.49 | 21-MAR | 830 | 140 0.38 | 4 17.41 |
| 21-MAR | 900 | 140 0.37 | 4 15.32 | 21-MAR | 930 | 140 0.35 | 4 13.24 |
| 21-MAR | 1000 | 140 0.33 | 4 11.16 | 21-MAR | 1030 | 140 0.32 | 4 9.08 |
| 21-MAR | 1100 | 140 0.30 | 4 7.00 | 21-MAR | 1130 | 140 0.28 | 4 4.91 |
| 21-MAR | 1200 | 140 0.32 | 4 2.81 | 21-MAR | 1230 | 140 0.40 | 4 0.66 |
| 21-MAR | 1300 | 140 0.50 | 3 58.48 | 21-MAR | 1330 | 140 0.61 | 3 56.30 |
| 21-MAR | 1400 | 140 0.71 | 3 54.12 | 21-MAR | 1430 | 140 0.72 | 3 51.74 |
| 21-MAR | 1500 | 140 0.73 | 3 49.34 | 21-MAR | 1530 | 140 0.73 | 3 46.94 |
| 21-MAR | 1600 | 140 0.73 | 3 44.53 | 21-MAR | 1630 | 140 0.73 | 3 42.13 |
| 21-MAR | 1700 | 140 0.74 | 3 39.73 | 21-MAR | 1730 | 140 0.74 | 3 37.32 |
| 21-MAR | 1800 | 140 0.74 | 3 34.92 | 21-MAR | 1830 | 140 0.74 | 3 32.51 |
| 21-MAR | 1900 | 140 0.74 | 3 30.11 | 21-MAR | 1930 | 140 0.75 | 3 27.71 |
| 21-MAR | 2000 | 140 0.75 | 3 25.31 | 21-MAR | 2030 | 140 0.76 | 3 22.90 |
| 21-MAR | 2100 | 140 0.76 | 3 20.50 | 21-MAR | 2130 | 140 0.76 | 3 18.10 |
| 21-MAR | 2200 | 140 0.86 | 3 15.57 | 21-MAR | 2230 | 140 1.01 | 3 13.00 |
| 21-MAR | 2300 | 140 1.15 | 3 10.42 | 21-MAR | 2330 | 140 1.30 | 3 7.85 |

## TROPIC HEAT HALF-HOURLY POSITIONS

| DATE | TIME | LONGITUDE | LATITUDE | DATE | TIME | LONGITUDE | LATITUDE |
|---|---|---|---|---|---|---|---|
| 22-MAR | 0 | 140 1.44 | 3 5.27 | 22-MAR | 30 | 140 1.58 | 3 2.70 |
| 22-MAR | 100 | 140 1.72 | 3 0.13 | 22-MAR | 130 | 140 1.87 | 2 57.55 |
| 22-MAR | 200 | 140 1.96 | 2 54.95 | 22-MAR | 230 | 140 1.99 | 2 52.31 |
| 22-MAR | 300 | 140 2.02 | 2 49.67 | 22-MAR | 330 | 140 2.05 | 2 47.04 |
| 22-MAR | 400 | 140 2.08 | 2 44.40 | 22-MAR | 430 | 140 2.11 | 2 41.76 |
| 22-MAR | 500 | 140 2.04 | 2 39.22 | 22-MAR | 530 | 140 1.97 | 2 36.67 |
| 22-MAR | 600 | 140 1.85 | 2 34.19 | 22-MAR | 630 | 140 1.71 | 2 31.58 |
| 22-MAR | 700 | 140 1.55 | 2 28.79 | 22-MAR | 730 | 140 1.48 | 2 26.15 |
| 22-MAR | 800 | 140 1.45 | 2 23.58 | 22-MAR | 830 | 140 1.42 | 2 21.01 |
| 22-MAR | 900 | 140 1.37 | 2 18.42 | 22-MAR | 930 | 140 1.18 | 2 15.65 |
| 22-MAR | 1000 | 140 1.07 | 2 12.89 | 22-MAR | 1030 | 140 0.98 | 2 10.13 |
| 22-MAR | 1100 | 140 0.88 | 2 7.37 | 22-MAR | 1130 | 140 0.86 | 2 4.75 |
| 22-MAR | 1200 | 140 0.79 | 2 2.12 | 22-MAR | 1230 | 140 0.64 | 1 59.41 |
| 22-MAR | 1300 | 140 0.50 | 1 56.71 | 22-MAR | 1330 | 140 0.35 | 1 54.01 |
| 22-MAR | 1400 | 140 0.22 | 1 51.18 | 22-MAR | 1430 | 140 0.08 | 1 48.35 |
| 22-MAR | 1500 | 139 59.94 | 1 45.53 | 22-MAR | 1530 | 139 59.80 | 1 42.70 |
| 22-MAR | 1600 | 139 59.66 | 1 39.87 | 22-MAR | 1630 | 139 59.44 | 1 37.01 |
| 22-MAR | 1700 | 139 59.20 | 1 34.15 | 22-MAR | 1730 | 139 58.97 | 1 31.28 |
| 22-MAR | 1800 | 139 58.73 | 1 28.42 | 22-MAR | 1830 | 139 58.49 | 1 25.55 |
| 22-MAR | 1900 | 139 58.25 | 1 22.69 | 22-MAR | 1930 | 139 58.02 | 1 19.82 |
| 22-MAR | 2000 | 139 58.06 | 1 17.01 | 22-MAR | 2030 | 139 58.19 | 1 14.23 |
| 22-MAR | 2100 | 139 58.31 | 1 11.44 | 22-MAR | 2130 | 139 58.51 | 1 8.47 |
| 22-MAR | 2200 | 139 58.75 | 1 5.30 | 22-MAR | 2230 | 139 58.76 | 1 2.76 |
| 22-MAR | 2300 | 139 58.48 | 1 0.98 | 22-MAR | 2330 | 139 58.31 | 0 59.53 |
| 23-MAR | 0 | 139 58.52 | 0 59.30 | 23-MAR | 30 | 139 58.73 | 0 59.09 |
| 23-MAR | 100 | 139 58.95 | 0 58.87 | 23-MAR | 130 | 139 59.16 | 0 58.65 |
| 23-MAR | 200 | 139 59.38 | 0 58.43 | 23-MAR | 230 | 139 59.59 | 0 58.21 |
| 23-MAR | 300 | 139 59.80 | 0 57.99 | 23-MAR | 330 | 140 0.02 | 0 57.77 |
| 23-MAR | 400 | 140 0.23 | 0 57.56 | 23-MAR | 430 | 140 0.45 | 0 57.34 |
| 23-MAR | 500 | 140 0.66 | 0 57.12 | 23-MAR | 530 | 140 0.88 | 0 56.90 |
| 23-MAR | 600 | 140 1.09 | 0 56.68 | 23-MAR | 630 | 140 1.34 | 0 56.36 |
| 23-MAR | 700 | 140 1.61 | 0 56.00 | 23-MAR | 730 | 140 1.90 | 0 55.59 |
| 23-MAR | 800 | 140 2.20 | 0 55.15 | 23-MAR | 830 | 140 2.51 | 0 54.72 |
| 23-MAR | 900 | 140 2.82 | 0 54.28 | 23-MAR | 930 | 140 3.13 | 0 53.84 |
| 23-MAR | 1000 | 140 3.41 | 0 53.39 | 23-MAR | 1030 | 140 3.62 | 0 52.91 |
| 23-MAR | 1100 | 140 3.84 | 0 52.43 | 23-MAR | 1130 | 140 4.06 | 0 51.95 |
| 23-MAR | 1200 | 140 4.27 | 0 51.47 | 23-MAR | 1230 | 140 4.49 | 0 50.99 |
| 23-MAR | 1300 | 140 4.78 | 0 50.48 | 23-MAR | 1330 | 140 5.11 | 0 49.97 |
| 23-MAR | 1400 | 140 5.44 | 0 49.45 | 23-MAR | 1430 | 140 5.77 | 0 48.94 |
| 23-MAR | 1500 | 140 6.26 | 0 48.40 | 23-MAR | 1530 | 140 6.83 | 0 47.86 |
| 23-MAR | 1600 | 140 7.39 | 0 47.32 | 23-MAR | 1630 | 140 7.96 | 0 46.79 |
| 23-MAR | 1700 | 140 8.53 | 0 46.25 | 23-MAR | 1730 | 140 8.98 | 0 45.73 |
| 23-MAR | 1800 | 140 9.11 | 0 45.81 | 23-MAR | 1830 | 140 8.89 | 0 46.12 |
| 23-MAR | 1900 | 140 8.51 | 0 46.49 | 23-MAR | 1930 | 140 8.09 | 0 47.06 |
| 23-MAR | 2000 | 140 7.74 | 0 47.61 | 23-MAR | 2030 | 140 7.13 | 0 48.05 |
| 23-MAR | 2100 | 140 6.52 | 0 48.49 | 23-MAR | 2130 | 140 5.94 | 0 48.92 |
| 23-MAR | 2200 | 140 5.66 | 0 49.36 | 23-MAR | 2230 | 140 5.38 | 0 49.79 |
| 23-MAR | 2300 | 140 5.11 | 0 50.23 | 23-MAR | 2330 | 140 4.82 | 0 50.66 |
| 24-MAR | 0 | 140 4.55 | 0 51.10 | 24-MAR | 30 | 140 4.25 | 0 51.55 |
| 24-MAR | 100 | 140 3.50 | 0 52.48 | 24-MAR | 130 | 140 2.75 | 0 53.42 |

## TROPIC HEAT HALF-HOURLY POSITIONS

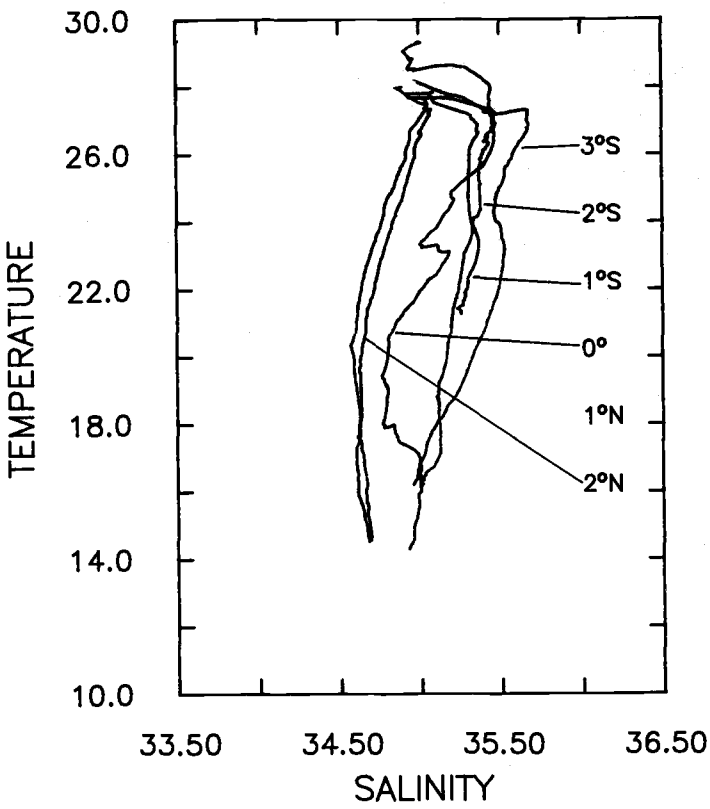
| DATE | TIME | LONGITUDE | LATITUDE | DATE | TIME | LONGITUDE | LATITUDE |
|---|---|---|---|---|---|---|---|
| 24-MAR | 200 | 140 2.01 | 0 54.35 | 24-MAR | 230 | 140 1.26 | 0 55.28 |
| 24-MAR | 300 | 140 0.52 | 0 56.22 | 24-MAR | 330 | 140 0.13 | 0 55.57 |
| 24-MAR | 400 | 140 0.10 | 0 53.33 | 24-MAR | 430 | 140 0.07 | 0 51.08 |
| 24-MAR | 500 | 140 0.04 | 0 48.84 | 24-MAR | 530 | 140 0.01 | 0 46.60 |
| 24-MAR | 600 | 139 59.99 | 0 44.36 | 24-MAR | 630 | 139 59.96 | 0 42.11 |
| 24-MAR | 700 | 139 59.93 | 0 39.87 | 24-MAR | 730 | 139 59.90 | 0 37.63 |
| 24-MAR | 800 | 139 59.87 | 0 35.38 | 24-MAR | 830 | 139 59.84 | 0 33.14 |
| 24-MAR | 900 | 139 59.81 | 0 30.89 | 24-MAR | 930 | 139 59.79 | 0 28.65 |
| 24-MAR | 1000 | 139 59.76 | 0 26.41 | 24-MAR | 1030 | 139 59.73 | 0 24.16 |
| 24-MAR | 1100 | 139 59.71 | 0 21.92 | 24-MAR | 1130 | 139 59.68 | 0 19.67 |
| 24-MAR | 1200 | 139 59.65 | 0 17.43 | 24-MAR | 1230 | 139 59.62 | 0 15.19 |
| 24-MAR | 1300 | 139 59.59 | 0 12.95 | 24-MAR | 1330 | 139 59.56 | 0 10.70 |
| 24-MAR | 1400 | 139 59.54 | 0 8.46 | 24-MAR | 1430 | 139 59.53 | 0 6.35 |
| 24-MAR | 1500 | 139 59.53 | 0 4.29 | 24-MAR | 1530 | 139 59.53 | 0 2.23 |
| 24-MAR | 1600 | 139 59.53 | 0 0.16 | 24-MAR | 1630 | 139 59.59 | -0 1.87 |
| 24-MAR | 1700 | 139 59.71 | -0 3.88 | 24-MAR | 1730 | 139 59.81 | -0 5.88 |
| 24-MAR | 1800 | 139 59.92 | -0 7.89 | 24-MAR | 1830 | 140 0.04 | -0 9.89 |
| 24-MAR | 1900 | 140 0.14 | -0 11.90 | 24-MAR | 1930 | 140 0.26 | -0 13.90 |
| 24-MAR | 2000 | 140 0.37 | -0 15.96 | 24-MAR | 2030 | 140 0.53 | -0 18.88 |
| 24-MAR | 2100 | 140 0.70 | -0 21.80 | 24-MAR | 2130 | 140 0.86 | -0 24.73 |
| 24-MAR | 2200 | 140 1.03 | -0 27.65 | 24-MAR | 2230 | 140 1.03 | -0 30.50 |
| 24-MAR | 2300 | 140 0.82 | -0 33.28 | 24-MAR | 2330 | 140 0.62 | -0 36.05 |
| 25-MAR | 0 | 140 0.41 | -0 38.82 | 25-MAR | 30 | 140 0.31 | -0 41.70 |
| 25-MAR | 100 | 140 0.20 | -0 44.58 | 25-MAR | 130 | 140 0.10 | -0 47.45 |
| 25-MAR | 200 | 140 0.03 | -0 50.29 | 25-MAR | 230 | 140 0.00 | -0 53.05 |
| 25-MAR | 300 | 140 0.03 | -0 55.86 | 25-MAR | 330 | 140 0.22 | -0 58.76 |
| 25-MAR | 400 | 140 0.40 | -1 1.66 | 25-MAR | 430 | 140 0.59 | -1 4.55 |
| 25-MAR | 500 | 140 0.77 | -1 7.46 | 25-MAR | 530 | 140 0.96 | -1 10.36 |
| 25-MAR | 600 | 140 0.97 | -1 13.25 | 25-MAR | 630 | 140 0.95 | -1 16.14 |
| 25-MAR | 700 | 140 0.93 | -1 19.03 | 25-MAR | 730 | 140 0.91 | -1 21.92 |
| 25-MAR | 800 | 140 0.89 | -1 24.81 | 25-MAR | 830 | 140 0.79 | -1 27.62 |
| 25-MAR | 900 | 140 0.64 | -1 30.38 | 25-MAR | 930 | 140 0.50 | -1 33.13 |
| 25-MAR | 1000 | 140 0.36 | -1 35.89 | 25-MAR | 1030 | 140 0.33 | -1 38.62 |
| 25-MAR | 1100 | 140 0.30 | -1 41.36 | 25-MAR | 1130 | 140 0.27 | -1 44.09 |
| 25-MAR | 1200 | 140 0.28 | -1 46.86 | 25-MAR | 1230 | 140 0.32 | -1 49.66 |
| 25-MAR | 1300 | 140 0.37 | -1 52.46 | 25-MAR | 1330 | 140 0.41 | -1 55.27 |
| 25-MAR | 1400 | 140 0.26 | -1 57.99 | 25-MAR | 1430 | 140 0.10 | -2 0.71 |
| 25-MAR | 1500 | 139 59.95 | -2 3.43 | 25-MAR | 1530 | 139 59.78 | -2 6.14 |
| 25-MAR | 1600 | 139 59.63 | -2 8.86 | 25-MAR | 1630 | 139 59.47 | -2 11.58 |
| 25-MAR | 1700 | 139 59.31 | -2 14.30 | 25-MAR | 1730 | 139 59.12 | -2 17.07 |
| 25-MAR | 1800 | 139 58.90 | -2 19.88 | 25-MAR | 1830 | 139 58.70 | -2 22.71 |
| 25-MAR | 1900 | 139 58.52 | -2 25.55 | 25-MAR | 1930 | 139 58.42 | -2 28.36 |
| 25-MAR | 2000 | 139 58.37 | -2 31.32 | 25-MAR | 2030 | 139 58.40 | -2 34.49 |
| 25-MAR | 2100 | 139 58.59 | -2 36.97 | 25-MAR | 2130 | 139 58.82 | -2 39.31 |
| 25-MAR | 2200 | 139 58.96 | -2 41.89 | 25-MAR | 2230 | 139 58.89 | -2 44.41 |
| 25-MAR | 2300 | 139 58.82 | -2 46.93 | 25-MAR | 2330 | 139 58.78 | -2 49.47 |
| 26-MAR | 0 | 139 58.88 | -2 52.06 | 26-MAR | 30 | 139 58.99 | -2 54.64 |
| 26-MAR | 100 | 139 59.09 | -2 57.23 | 26-MAR | 130 | 139 59.20 | -2 59.81 |
| 26-MAR | 200 | 139 59.30 | -3 2.40 | 26-MAR | 230 | 139 59.41 | -3 4.99 |
| 26-MAR | 300 | 139 59.51 | -3 7.57 | 26-MAR | 330 | 139 59.62 | -3 10.16 |

## TROPIC HEAT HALF-HOURLY POSITIONS

| DATE | TIME | LONGITUDE | LATITUDE | DATE | TIME | LONGITUDE | LATITUDE |
|---|---|---|---|---|---|---|---|
| 26-MAR | 400 | 139 59.72 | -3 12.75 | 26-MAR | 430 | 139 59.82 | -3 15.34 |
| 26-MAR | 500 | 139 59.93 | -3 17.92 | 26-MAR | 530 | 140 0.03 | -3 20.51 |
| 26-MAR | 600 | 140 0.13 | -3 23.09 | 26-MAR | 630 | 140 0.11 | -3 25.48 |
| 26-MAR | 700 | 140 0.07 | -3 27.83 | 26-MAR | 730 | 140 0.02 | -3 30.17 |
| 26-MAR | 800 | 139 59.98 | -3 32.53 | 26-MAR | 830 | 139 59.95 | -3 34.93 |
| 26-MAR | 900 | 139 59.92 | -3 37.34 | 26-MAR | 930 | 139 59.89 | -3 39.75 |
| 26-MAR | 1000 | 139 59.86 | -3 42.16 | 26-MAR | 1030 | 139 59.83 | -3 44.56 |
| 26-MAR | 1100 | 139 59.80 | -3 46.97 | 26-MAR | 1130 | 139 59.77 | -3 49.38 |
| 26-MAR | 1200 | 139 59.74 | -3 51.79 | 26-MAR | 1230 | 139 59.71 | -3 54.19 |
| 26-MAR | 1300 | 139 59.68 | -3 56.60 | 26-MAR | 1330 | 139 59.65 | -3 59.01 |
| 26-MAR | 1400 | 139 59.62 | -4 1.42 | 26-MAR | 1430 | 139 59.59 | -4 3.82 |
| 26-MAR | 1500 | 139 59.50 | -4 6.13 | 26-MAR | 1530 | 139 59.37 | -4 8.33 |
| 26-MAR | 1600 | 139 59.24 | -4 10.54 | 26-MAR | 1630 | 139 59.11 | -4 12.74 |
| 26-MAR | 1700 | 139 58.98 | -4 14.95 | 26-MAR | 1730 | 139 58.85 | -4 17.16 |
| 26-MAR | 1800 | 139 58.86 | -4 19.31 | 26-MAR | 1830 | 139 58.97 | -4 21.41 |
| 26-MAR | 1900 | 139 59.10 | -4 23.50 | 26-MAR | 1930 | 139 59.69 | -4 25.21 |
| 26-MAR | 2000 | 139 59.77 | -4 27.26 | 26-MAR | 2030 | 139 59.86 | -4 29.32 |
| 26-MAR | 2100 | 139 59.95 | -4 31.37 | 26-MAR | 2130 | 140 0.03 | -4 33.43 |
| 26-MAR | 2200 | 140 0.11 | -4 35.48 | 26-MAR | 2230 | 140 0.20 | -4 37.54 |
| 26-MAR | 2300 | 140 0.28 | -4 39.59 | 26-MAR | 2330 | 140 0.37 | -4 41.65 |
| 27-MAR | 0 | 140 0.46 | -4 43.70 | 27-MAR | 30 | 140 0.54 | -4 45.75 |
| 27-MAR | 100 | 140 0.62 | -4 47.81 | 27-MAR | 130 | 140 0.71 | -4 49.86 |
| 27-MAR | 200 | 140 0.79 | -4 51.91 | 27-MAR | 230 | 140 0.88 | -4 53.94 |
| 27-MAR | 300 | 140 0.98 | -4 55.88 | 27-MAR | 330 | 140 1.09 | -4 57.82 |
| 27-MAR | 400 | 140 1.13 | -4 59.75 | 27-MAR | 430 | 140 1.04 | -5 1.65 |
| 27-MAR | 500 | 140 0.94 | -5 3.55 | 27-MAR | 530 | 140 0.40 | -5 5.66 |
| 27-MAR | 600 | 140 0.46 | -5 7.21 | 27-MAR | 630 | 140 0.91 | -5 8.39 |
| 27-MAR | 700 | 140 0.60 | -5 10.49 | 27-MAR | 730 | 140 0.29 | -5 12.61 |
| 27-MAR | 800 | 139 59.98 | -5 14.71 | 27-MAR | 830 | 139 59.66 | -5 16.82 |
| 27-MAR | 900 | 139 59.66 | -5 18.60 | 27-MAR | 930 | 139 59.70 | -5 20.33 |
| 27-MAR | 1000 | 139 59.75 | -5 22.06 | 27-MAR | 1030 | 140 0.11 | -5 23.80 |
| 27-MAR | 1100 | 140 0.51 | -5 25.53 | 27-MAR | 1130 | 140 0.31 | -5 27.26 |
| 27-MAR | 1200 | 139 59.83 | -5 28.98 | 27-MAR | 1230 | 139 59.57 | -5 30.68 |
| 27-MAR | 1300 | 139 59.97 | -5 32.32 | 27-MAR | 1330 | 140 0.36 | -5 33.97 |
| 27-MAR | 1400 | 140 0.75 | -5 35.60 | 27-MAR | 1430 | 140 0.82 | -5 36.62 |
| 27-MAR | 1500 | 140 0.74 | -5 37.38 | 27-MAR | 1530 | 140 0.67 | -5 38.14 |
| 27-MAR | 1600 | 140 2.29 | -5 40.34 | 27-MAR | 1630 | 140 5.50 | -5 43.88 |
| 27-MAR | 1700 | 140 8.70 | -5 47.43 | 27-MAR | 1730 | 140 11.90 | -5 50.98 |
| 27-MAR | 1800 | 140 15.17 | -5 55.62 | 27-MAR | 1830 | 140 18.83 | -6 0.43 |
| 27-MAR | 1900 | 140 23.15 | -6 5.32 | 27-MAR | 1930 | 140 26.78 | -6 10.06 |
| 27-MAR | 2000 | 140 30.28 | -6 14.77 | 27-MAR | 2030 | 140 34.31 | -6 19.70 |
| 27-MAR | 2100 | 140 38.34 | -6 24.62 | 27-MAR | 2130 | 140 42.17 | -6 29.73 |
| 27-MAR | 2200 | 140 45.76 | -6 34.67 | 27-MAR | 2230 | 140 49.22 | -6 39.47 |
| 27-MAR | 2300 | 140 52.69 | -6 44.26 | 27-MAR | 2330 | 140 56.16 | -6 49.05 |
| 28-MAR | 0 | 140 59.63 | -6 53.84 | 28-MAR | 30 | 141 3.10 | -6 58.63 |
| 28-MAR | 100 | 141 6.56 | -7 3.42 | 28-MAR | 130 | 141 10.03 | -7 8.21 |
| 28-MAR | 200 | 141 13.50 | -7 13.00 | 28-MAR | 230 | 141 16.97 | -7 17.80 |
| 28-MAR | 300 | 141 20.44 | -7 22.59 | 28-MAR | 330 | 141 23.90 | -7 27.38 |
| 28-MAR | 400 | 141 27.37 | -7 32.17 | 28-MAR | 430 | 141 30.84 | -7 36.96 |
| 28-MAR | 500 | 141 34.31 | -7 41.75 | 28-MAR | 530 | 141 37.78 | -7 46.54 |

## TROPIC HEAT HALF-HOURLY POSITIONS

| DATE | TIME | LONGITUDE | LATITUDE | DATE | TIME | LONGITUDE | LATITUDE |
|---|---|---|---|---|---|---|---|
| 28-MAR | 600 | 141 41.24 | -7 51.34 | 28-MAR | 630 | 141 44.71 | -7 56.12 |
| 28-MAR | 700 | 141 48.29 | -8 1.14 | 28-MAR | 730 | 141 52.01 | -8 6.18 |
| 28-MAR | 800 | 141 55.72 | -8 11.22 | 28-MAR | 830 | 141 59.44 | -8 16.26 |
| 28-MAR | 900 | 142 3.16 | -8 21.30 | 28-MAR | 930 | 142 6.87 | -8 26.33 |
| 28-MAR | 1000 | 142 10.60 | -8 31.33 | 28-MAR | 1030 | 142 14.33 | -8 36.34 |
| 28-MAR | 1100 | 142 18.07 | -8 41.34 | 28-MAR | 1130 | 142 21.80 | -8 46.34 |
| 28-MAR | 1200 | 142 25.51 | -8 51.36 | 28-MAR | 1230 | 142 29.22 | -8 56.39 |
| 28-MAR | 1300 | 142 32.93 | -9 1.43 | 28-MAR | 1330 | 142 36.64 | -9 6.46 |
| 28-MAR | 1400 | 142 40.34 | -9 11.50 | 28-MAR | 1430 | 142 44.05 | -9 16.52 |
| 28-MAR | 1500 | 142 47.77 | -9 21.56 | 28-MAR | 1530 | 142 51.46 | -9 26.61 |
| 28-MAR | 1600 | 142 55.19 | -9 31.67 | 28-MAR | 1630 | 142 58.91 | -9 36.74 |
| 28-MAR | 1700 | 143 2.64 | -9 41.80 | 28-MAR | 1730 | 143 6.40 | -9 46.89 |
| 28-MAR | 1800 | 143 10.19 | -9 51.99 | 28-MAR | 1830 | 143 13.99 | -9 57.03 |
| 28-MAR | 1900 | 143 17.78 | -10 1.97 | 28-MAR | 1930 | 143 21.58 | -10 6.92 |
| 28-MAR | 2000 | 143 25.37 | -10 11.86 | 28-MAR | 2030 | 143 29.17 | -10 16.80 |
| 28-MAR | 2100 | 143 32.98 | -10 21.73 | 28-MAR | 2130 | 143 36.87 | -10 26.56 |
| 28-MAR | 2200 | 143 40.76 | -10 31.39 | 28-MAR | 2230 | 143 44.66 | -10 36.22 |
| 28-MAR | 2300 | 143 48.10 | -10 41.14 | 28-MAR | 2330 | 143 51.62 | -10 46.04 |
| 29-MAR | 0 | 143 55.44 | -10 50.86 | 29-MAR | 30 | 143 59.24 | -10 55.70 |
| 29-MAR | 100 | 144 3.02 | -11 0.55 | 29-MAR | 130 | 144 6.77 | -11 5.45 |
| 29-MAR | 200 | 144 10.52 | -11 10.39 | 29-MAR | 230 | 144 14.27 | -11 15.32 |
| 29-MAR | 300 | 144 18.02 | -11 20.26 | 29-MAR | 330 | 144 21.77 | -11 25.19 |
| 29-MAR | 400 | 144 25.51 | -11 30.12 | 29-MAR | 430 | 144 29.02 | -11 35.15 |
| 29-MAR | 500 | 144 32.51 | -11 40.18 | | | | |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26.0
22.0
18.0
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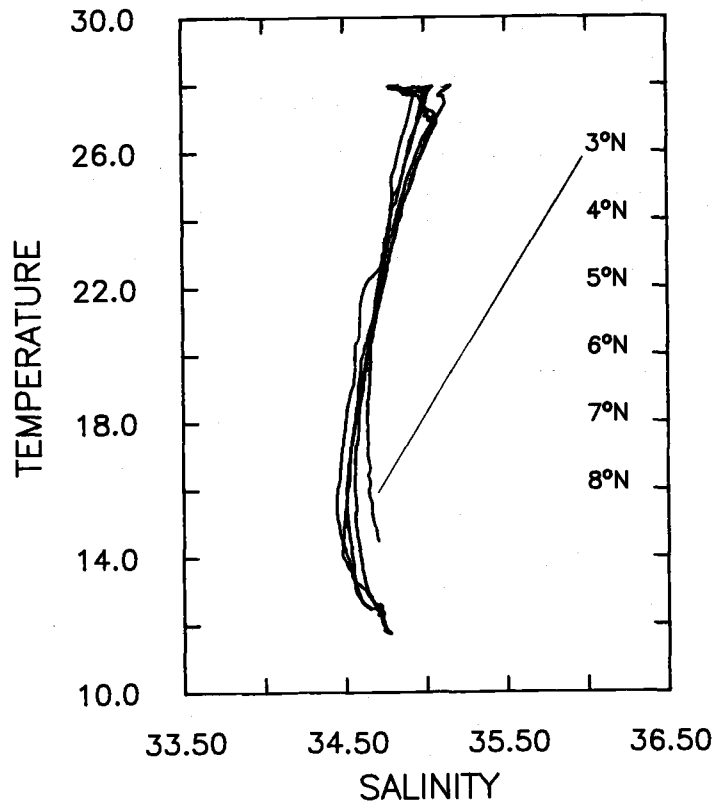
10.0
TEMPERATURE
33.50
34.50
35.50
36.50
SALINITY
3°S
2°S
1°S
0°
1°N
2°N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35.50
36.50
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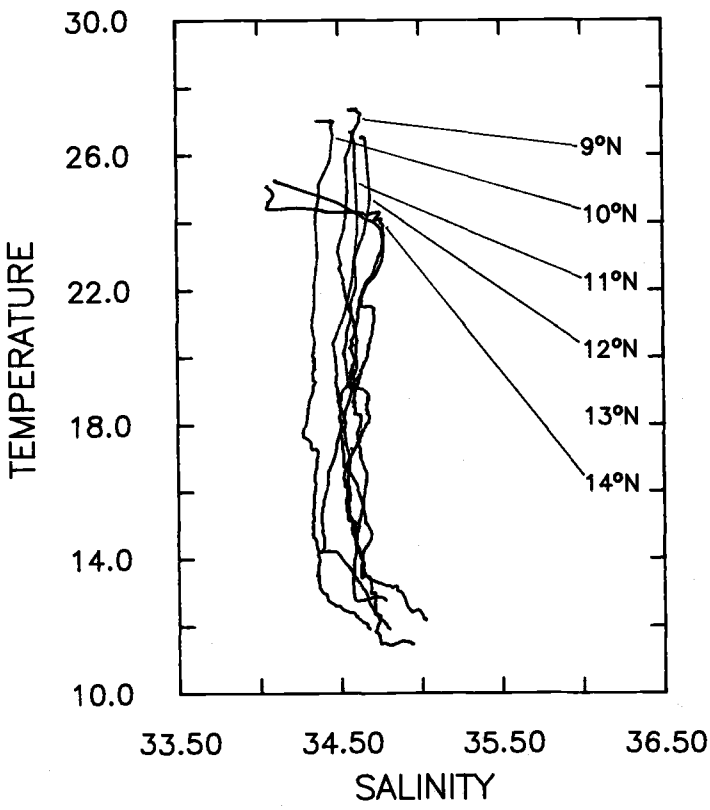
3°N
4°N
5°N
6°N
7°N
8°N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22.0
18.0
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33.50
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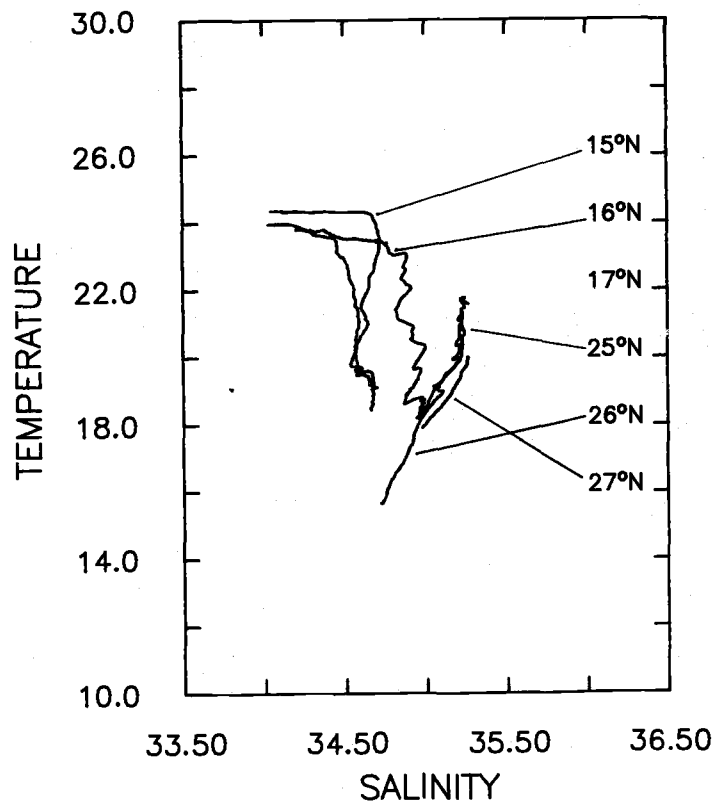
35.50
36.50
SALINITY
9°N
10°N
11°N
12°N
13°N
14°N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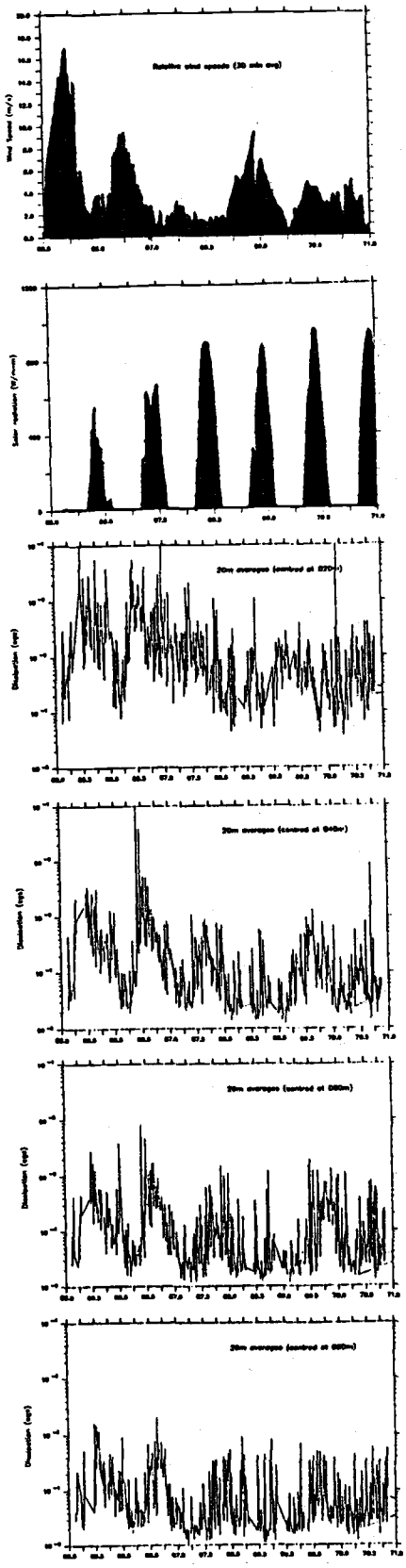
SALINITY
15°N
16°N
17°N
25°N
26°N
27°N



WIND

SUN

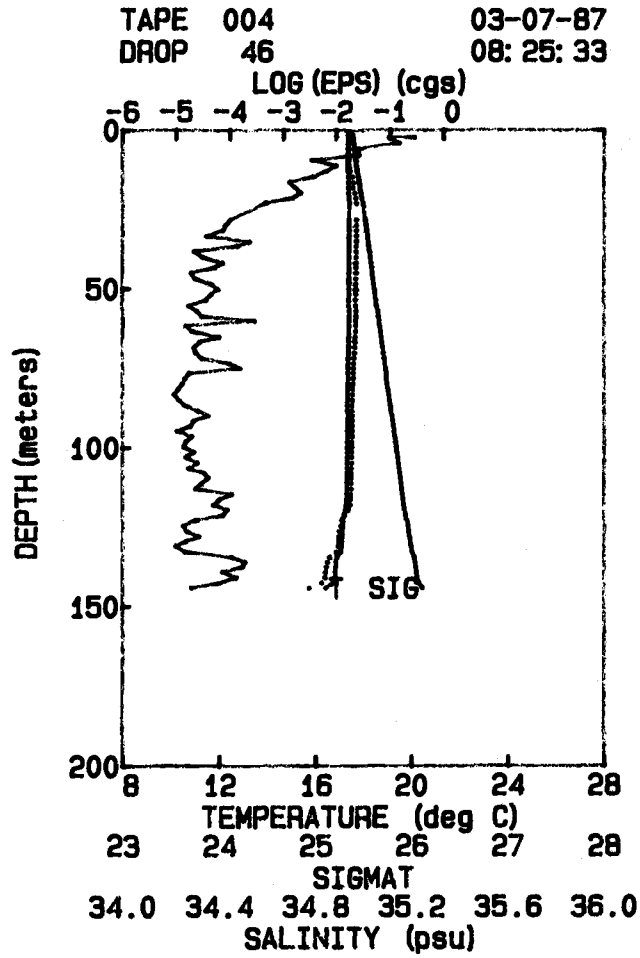
Wind/insolation/dissipation vs time as the ship proceeded from 33°N to 25°N along 140°W. The top plot represents wind speed, the next represents solar insolation. The bottom 4 plots show 20-meter vertically averaged dissipation rate, $\epsilon$, centered at depths of 20, 40, 60 and 80 meters.

10-30 METER DISSIPATION RATE

30-50 METER DISSIPATION RATE

50-70 METER DISSIPATION RATE

70-90 METER DISSIPATION RATE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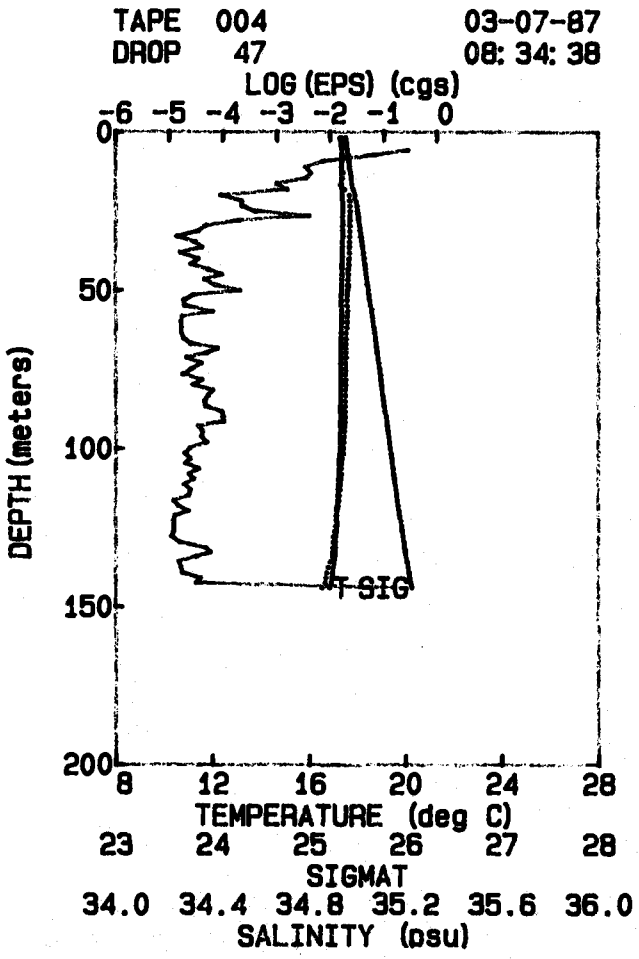
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
T SIG
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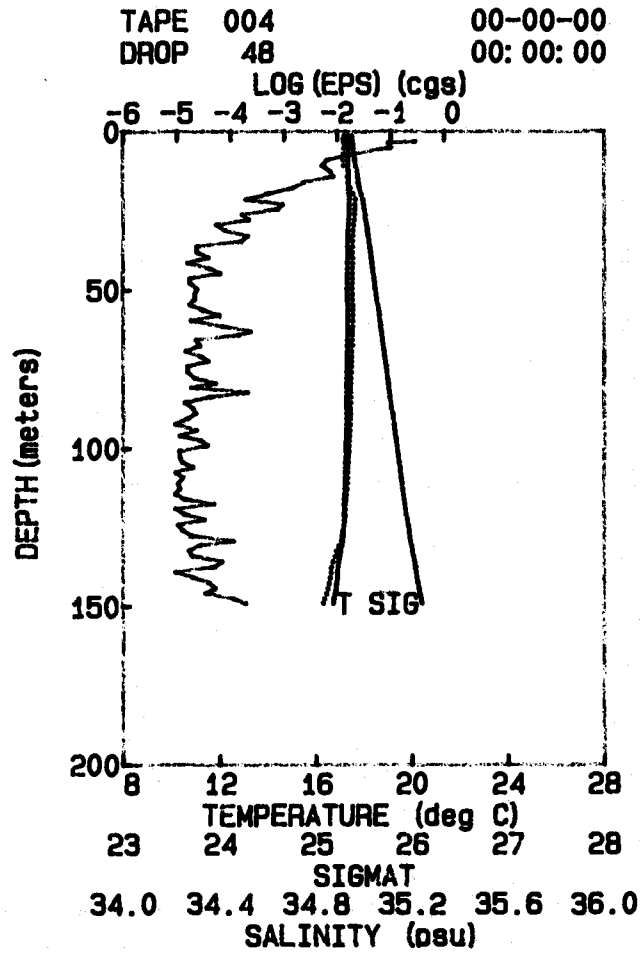
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
T SIG
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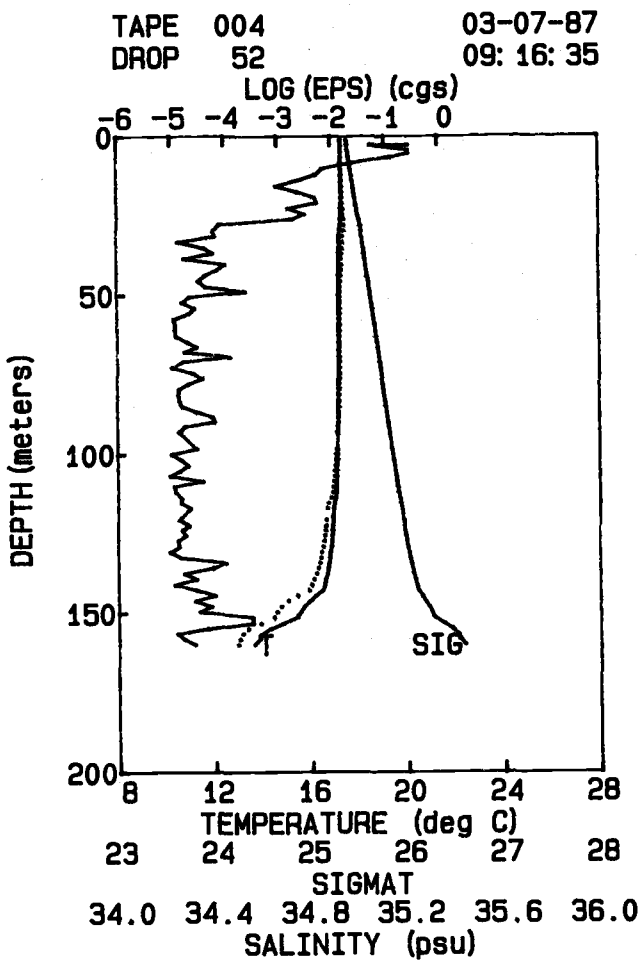
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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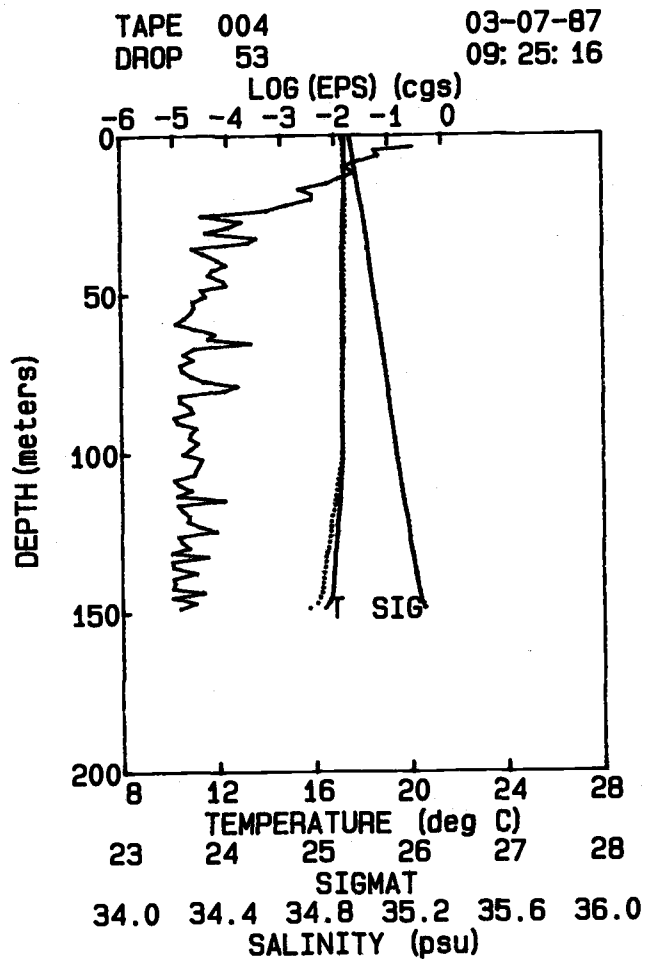
50
100
150
200
SIG
T
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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50
100
150
200
SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
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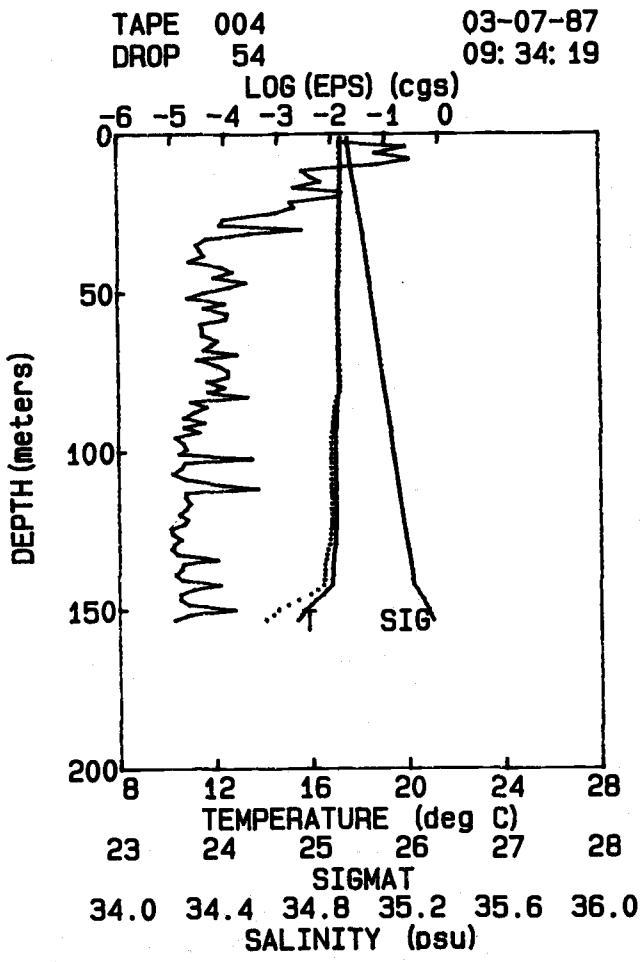
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50
100
150
200
SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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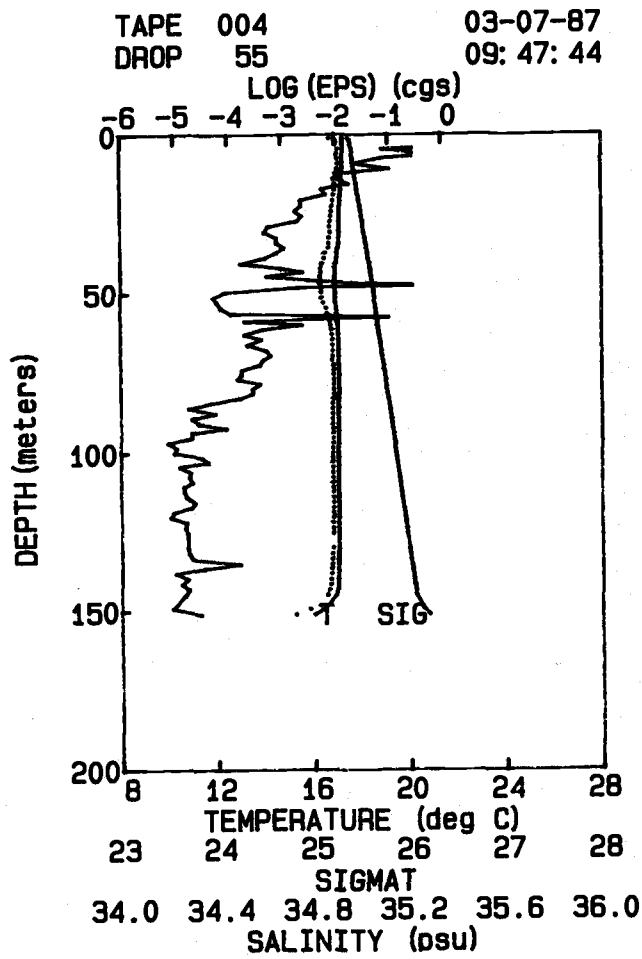
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100
150
200
SIG
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TEMPERATURE (deg C)
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SIGMAT
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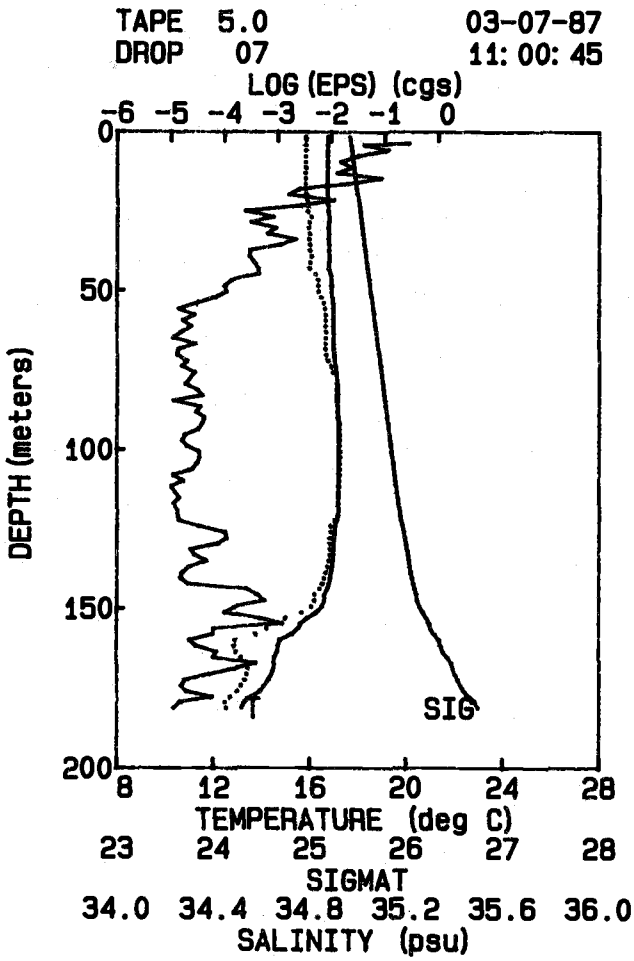
SALINITY (psu)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100
150
200
SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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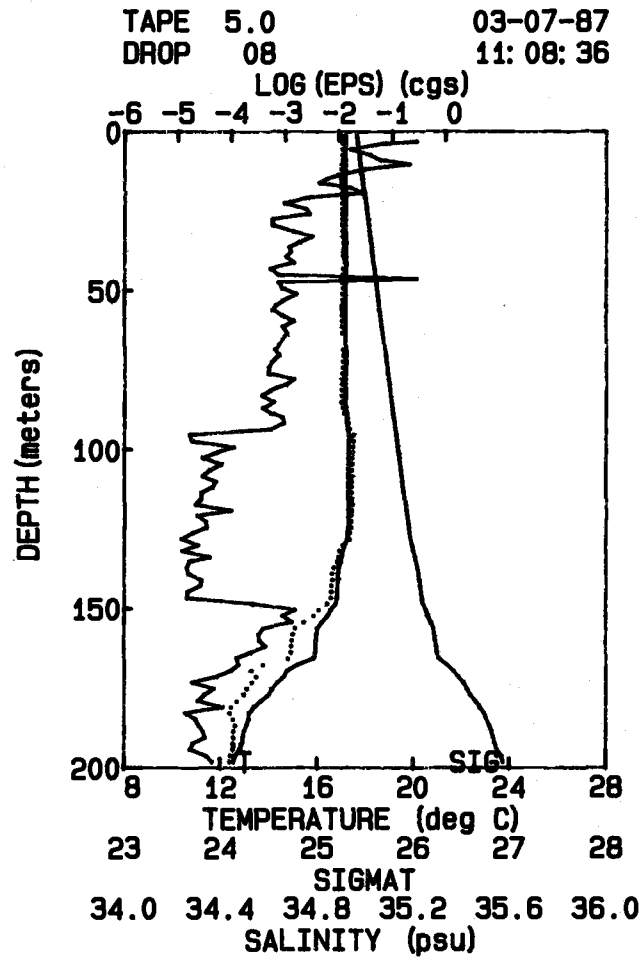
SALINITY (psu)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100
150
200
SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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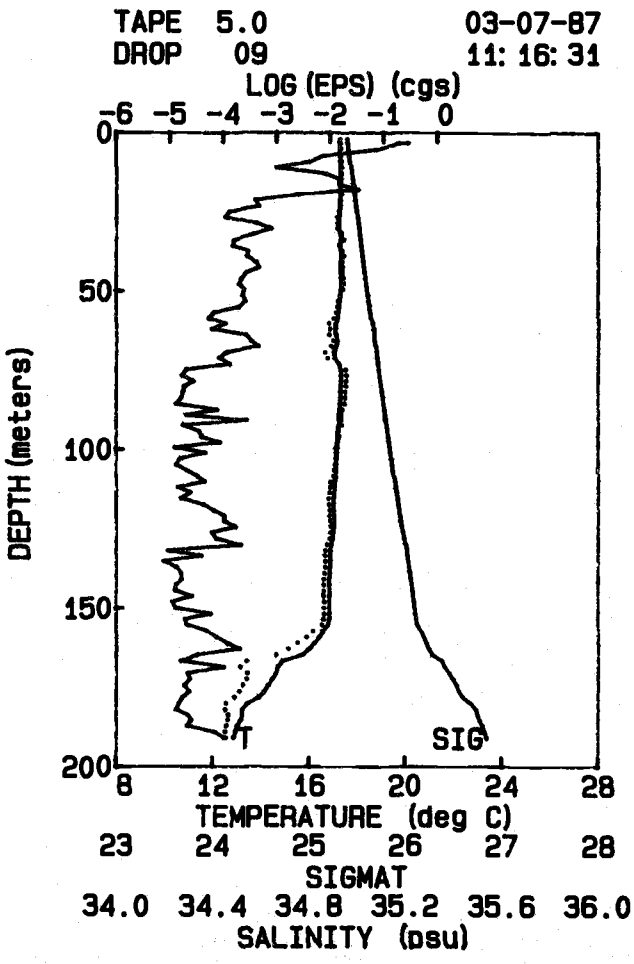
SALINITY (psu)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100
150
200
SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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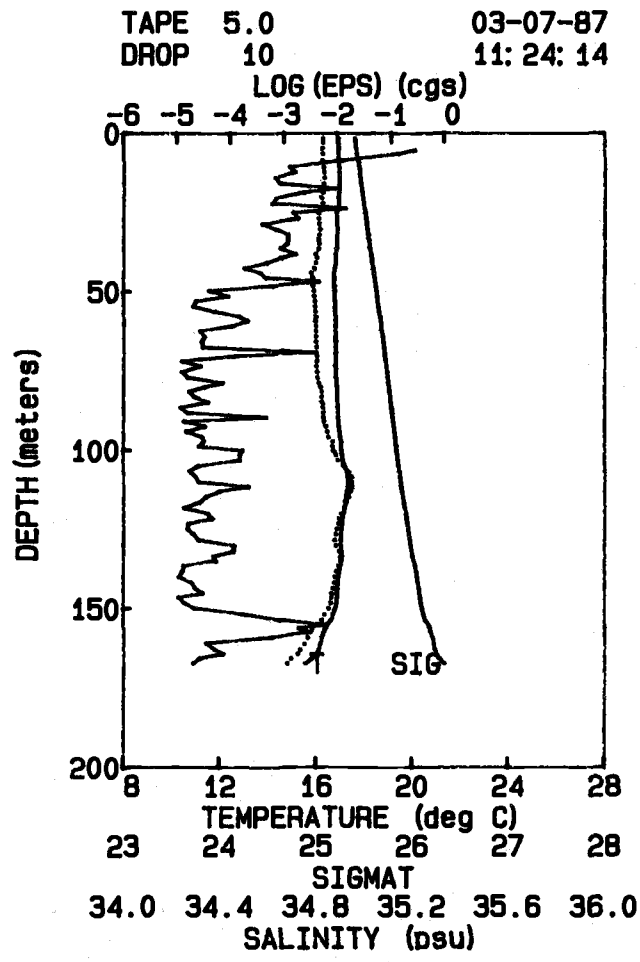
SALINITY (psu)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100
150
200
SIG
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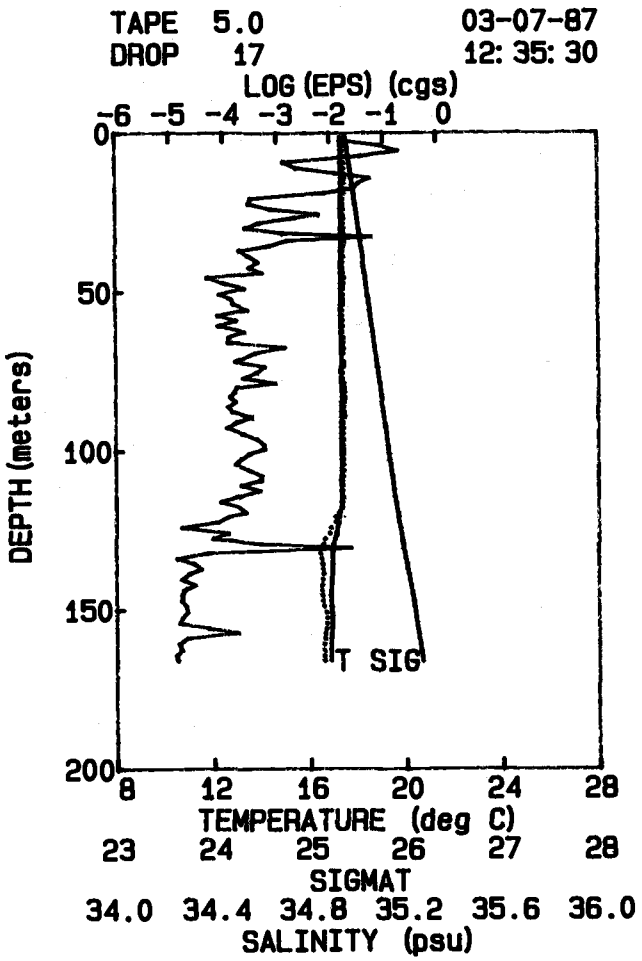
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
T SIG
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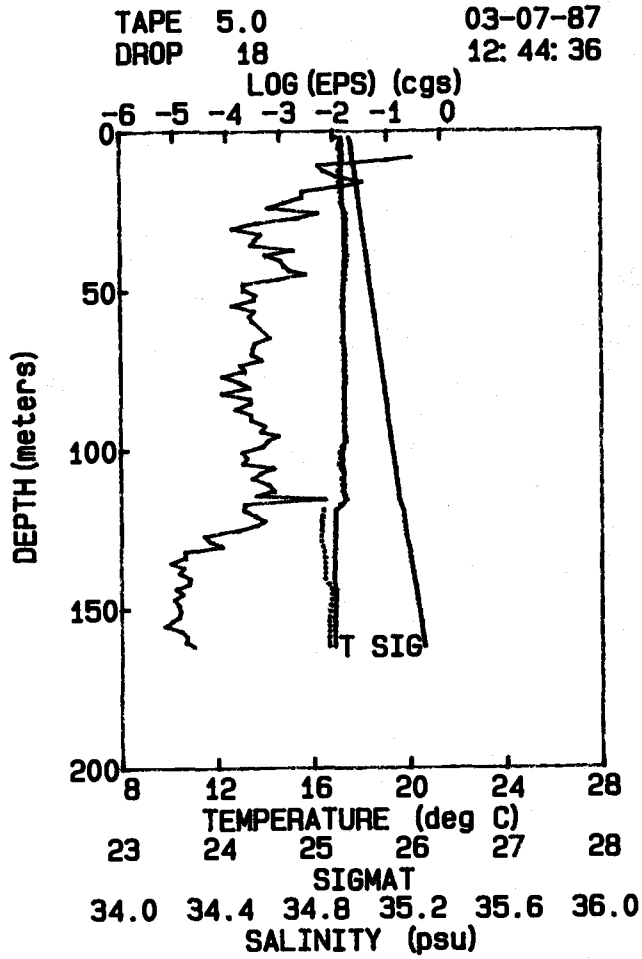
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
T SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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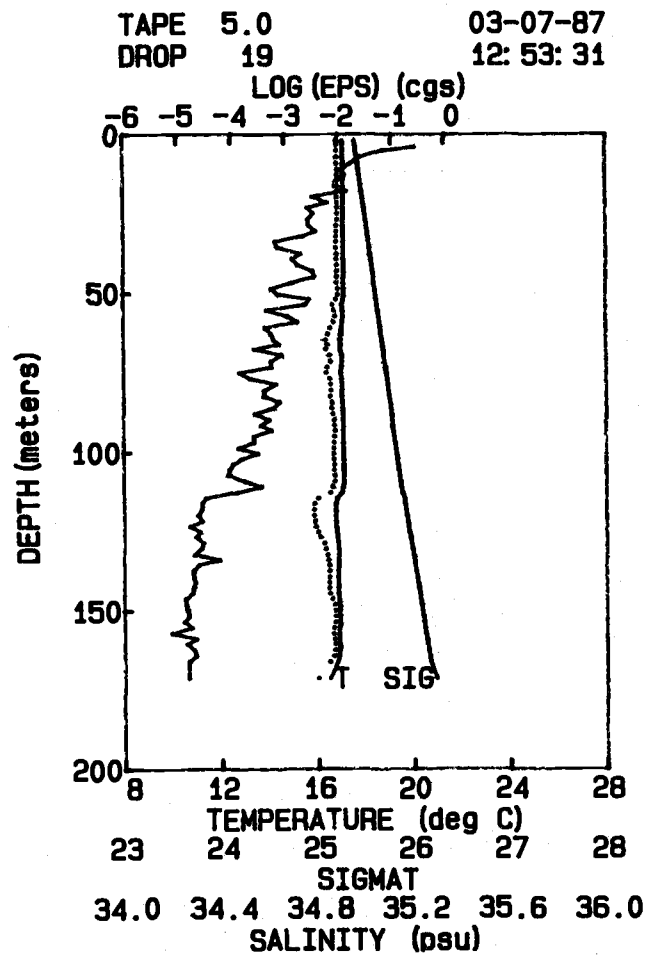
SALINITY (psu)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100
150
200
T SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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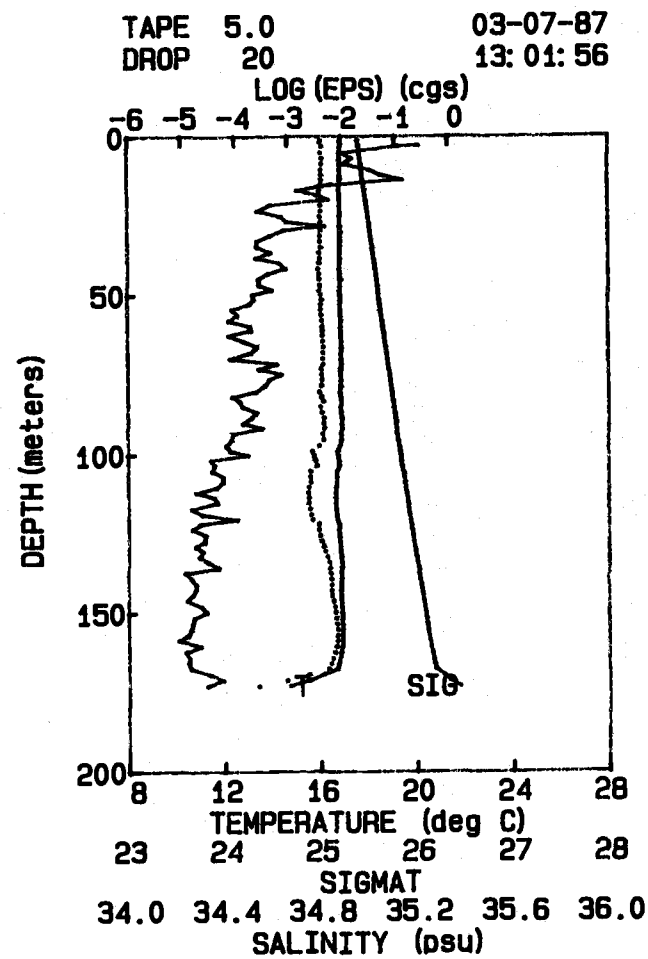
SALINITY (psu)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150
200
T SIG
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SIGMAT
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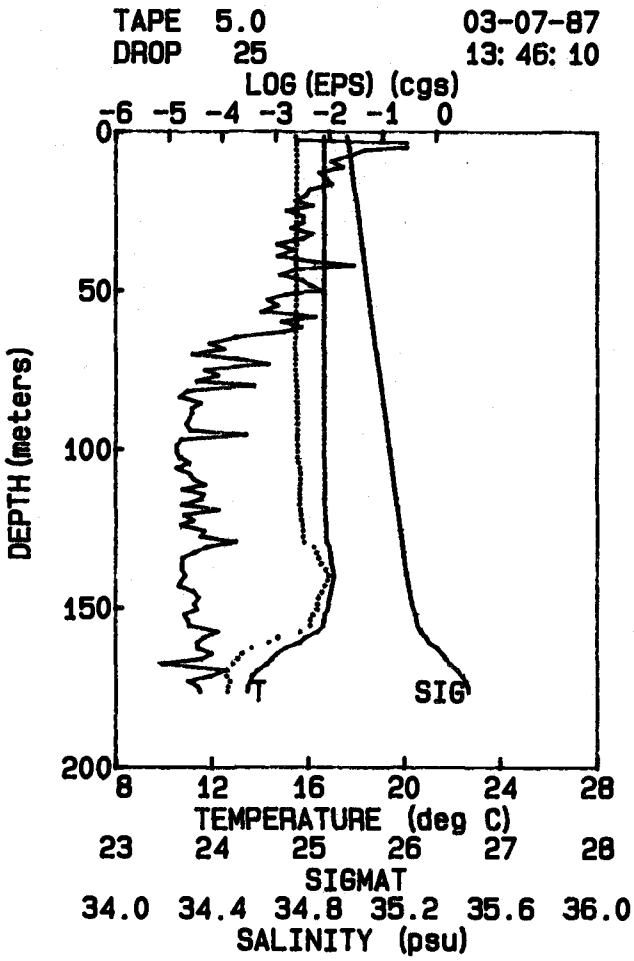
SALINITY (psu)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200
T
SIG
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23 24 25 26 27 28
SIGMAT
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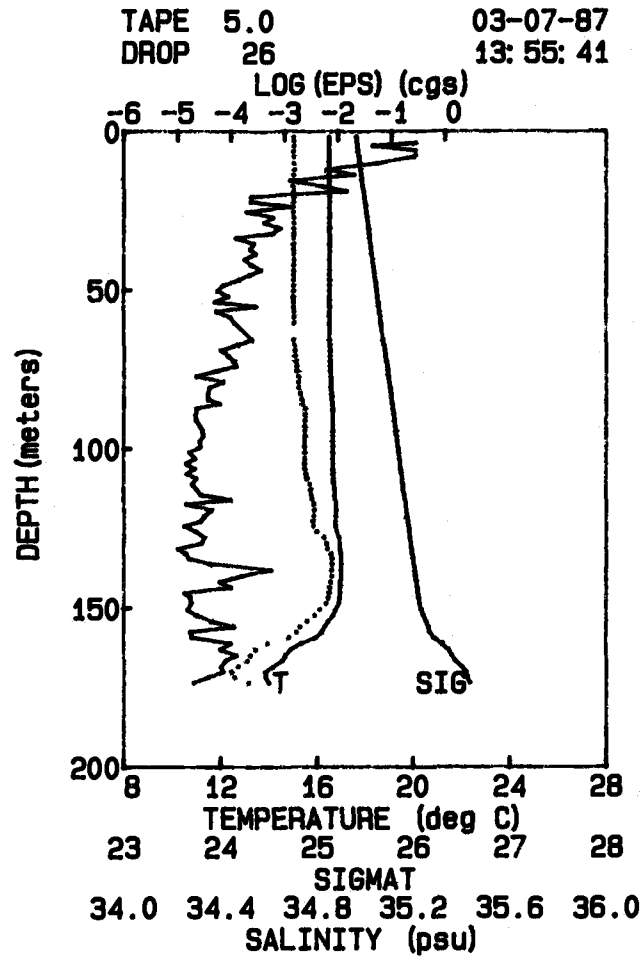
SALINITY (psu)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200
T
SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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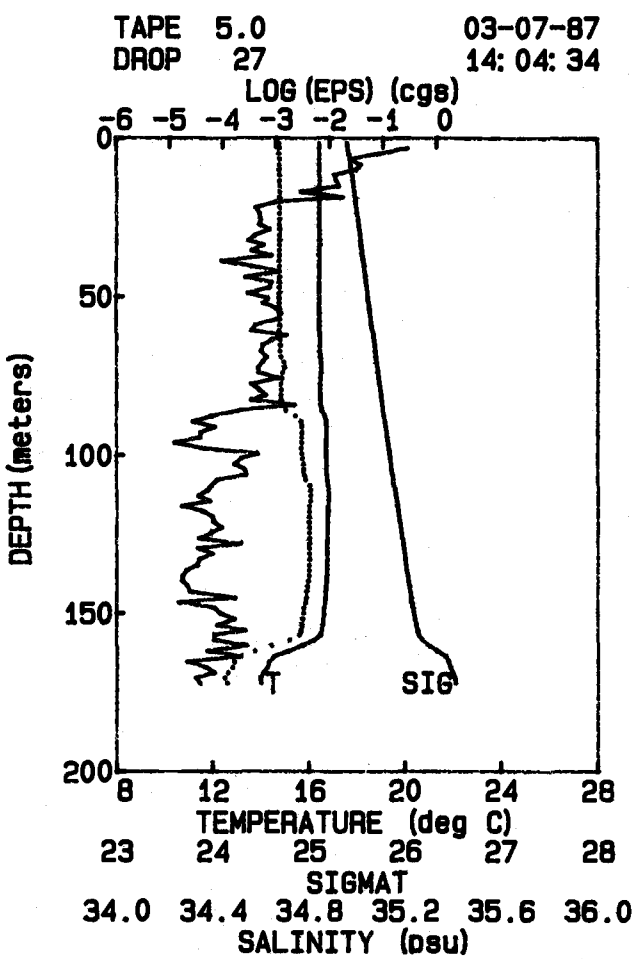
SALINITY (psu)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100
150
200
T
SIG
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TEMPERATURE (deg C)
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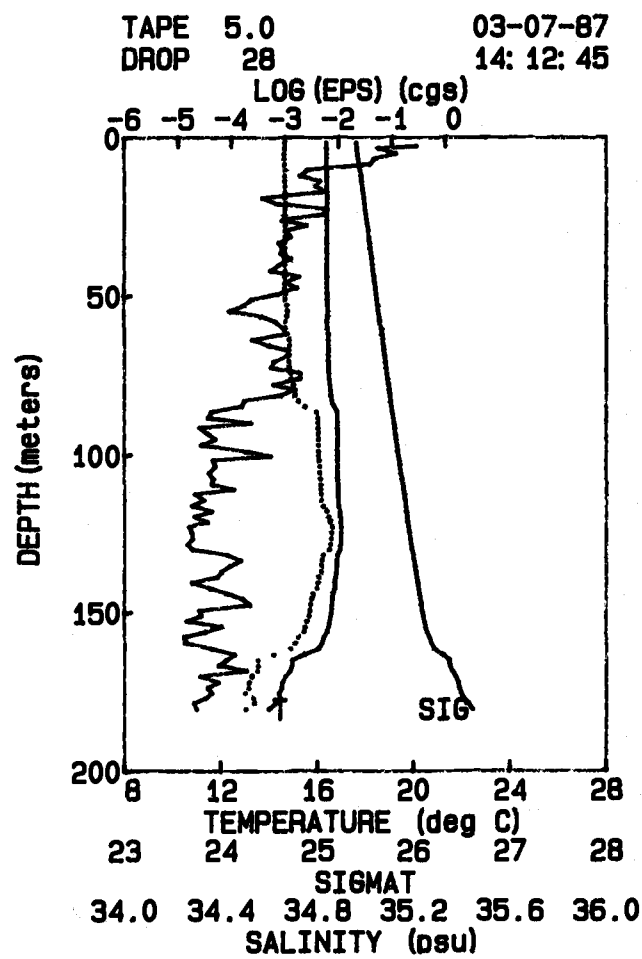
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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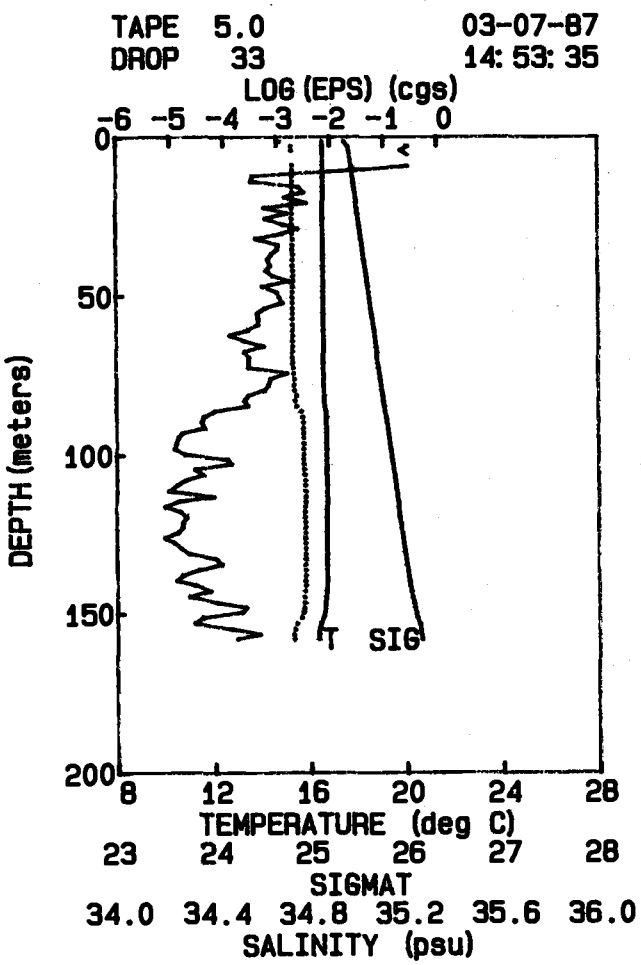
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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200
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SIGMAT
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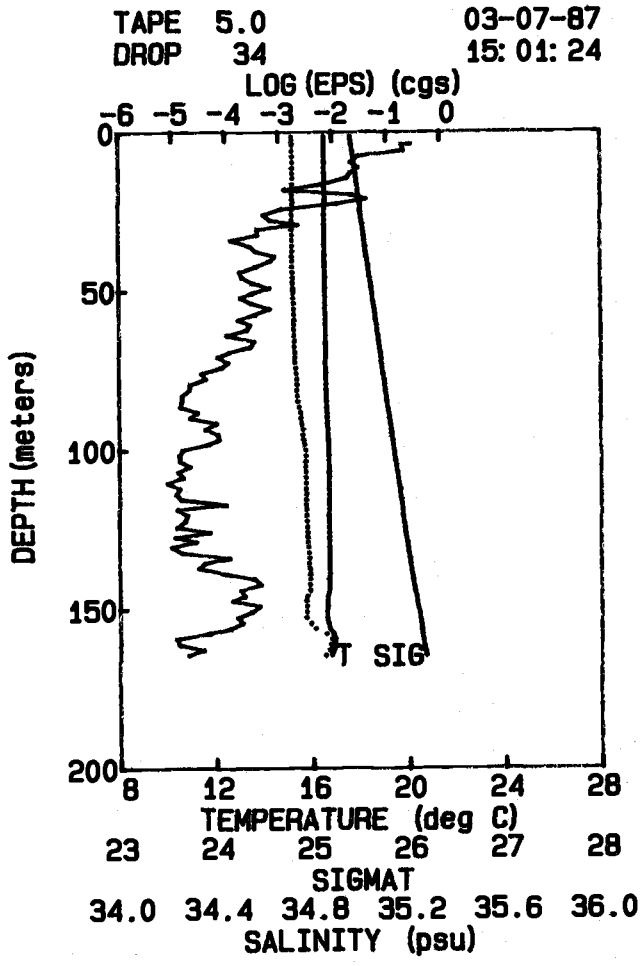
SALINITY (psu)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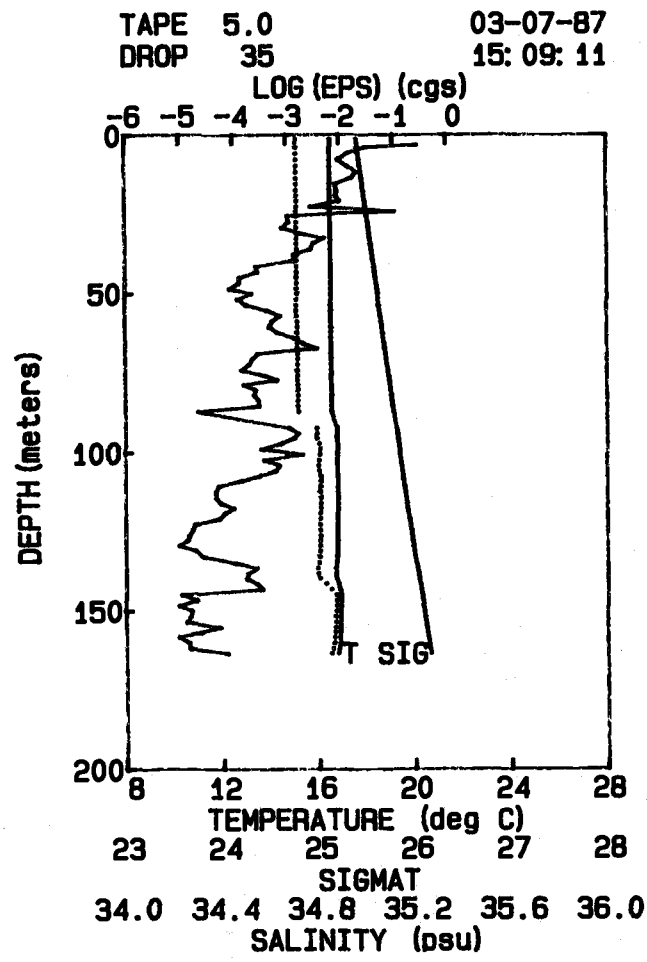
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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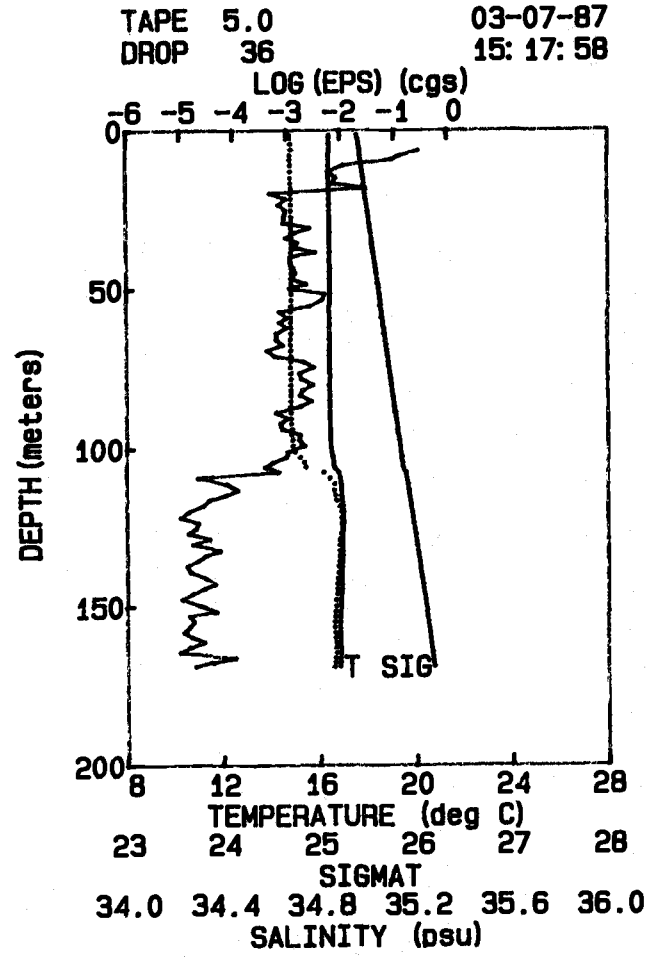
03-07-87
15: 09: 11
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-07-87
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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
T SIG
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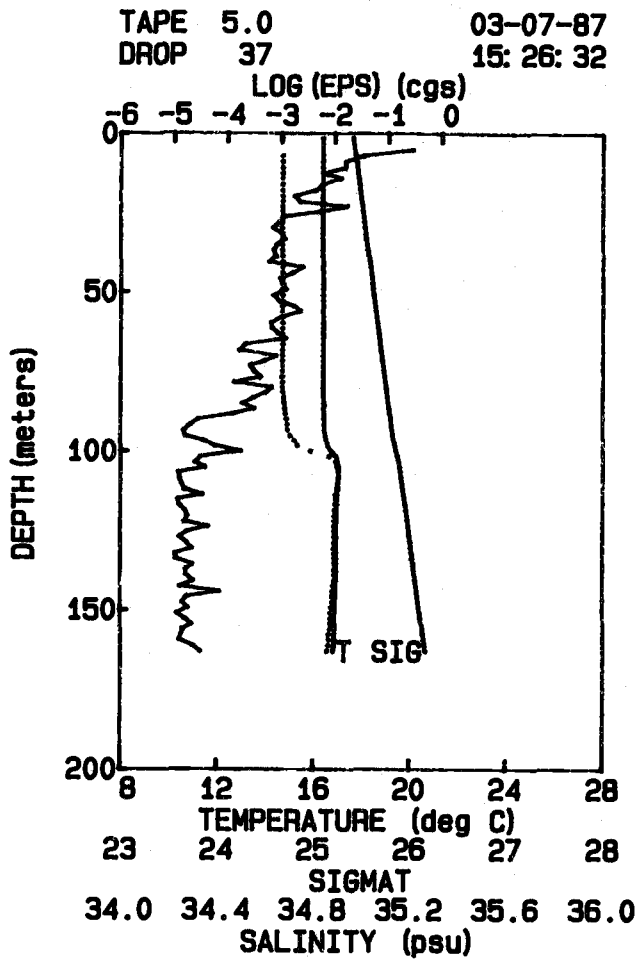
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T SIG
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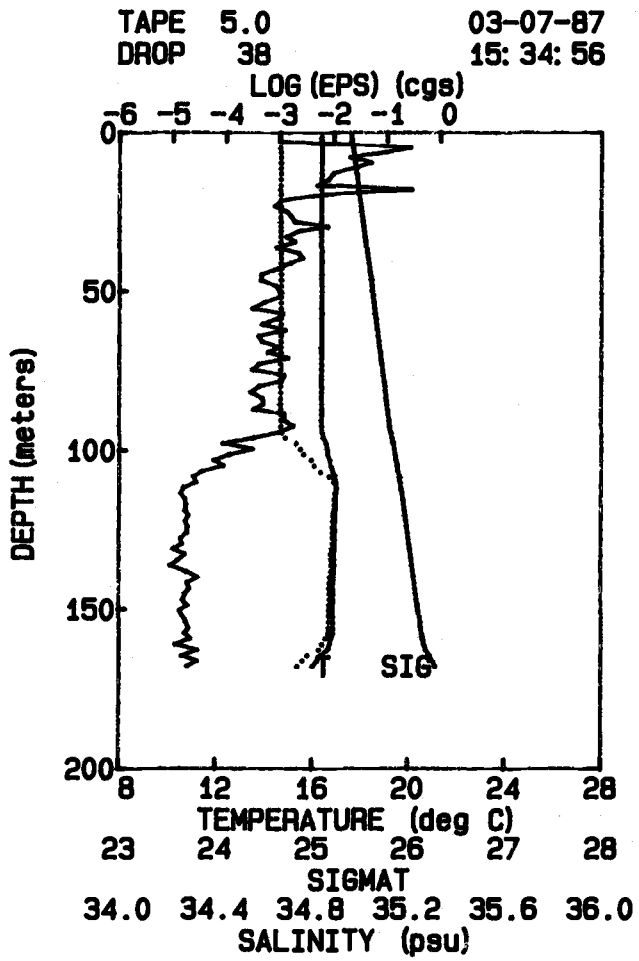
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T SIG
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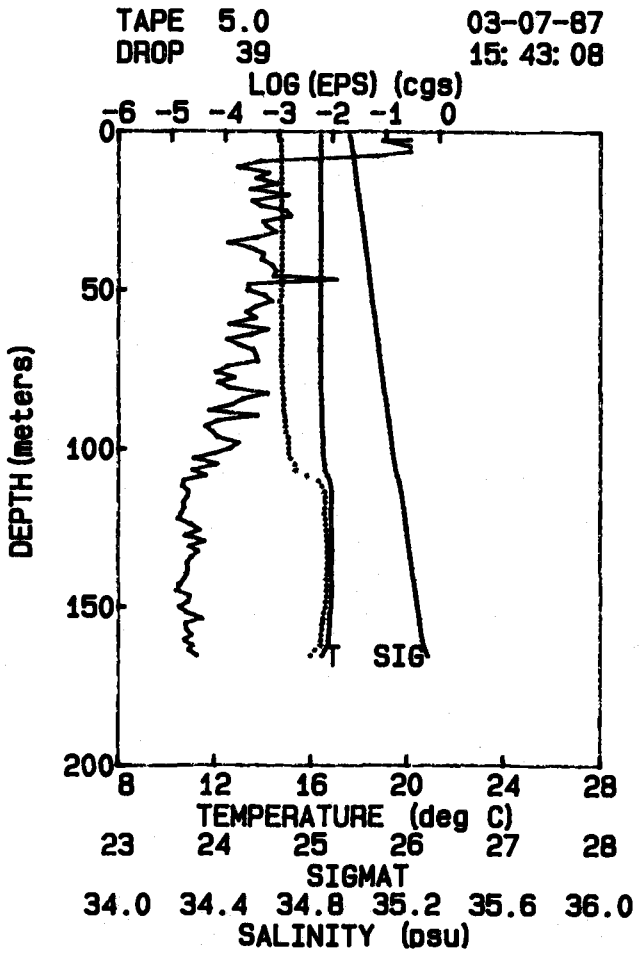
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T SIG
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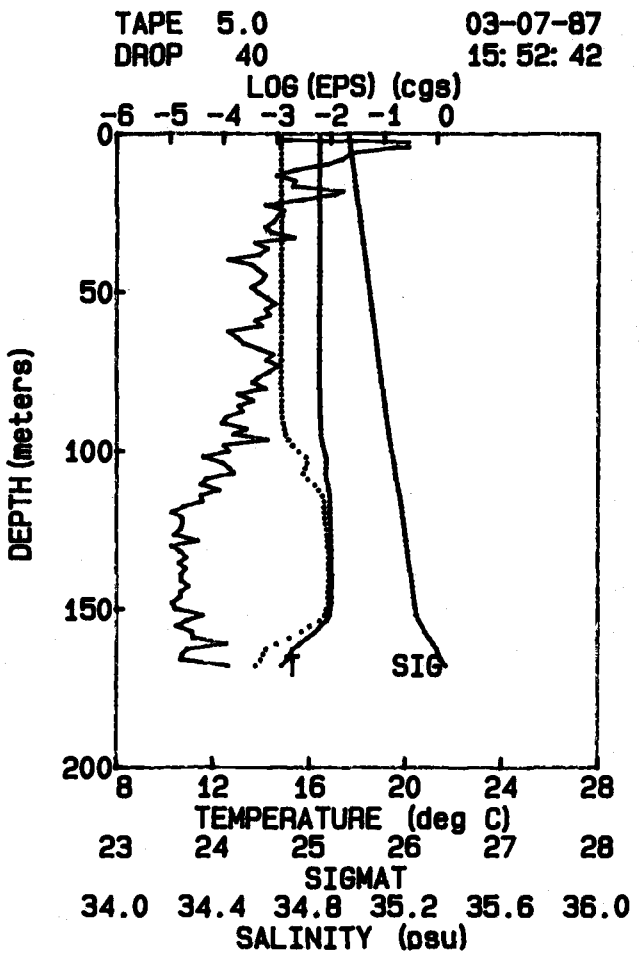
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
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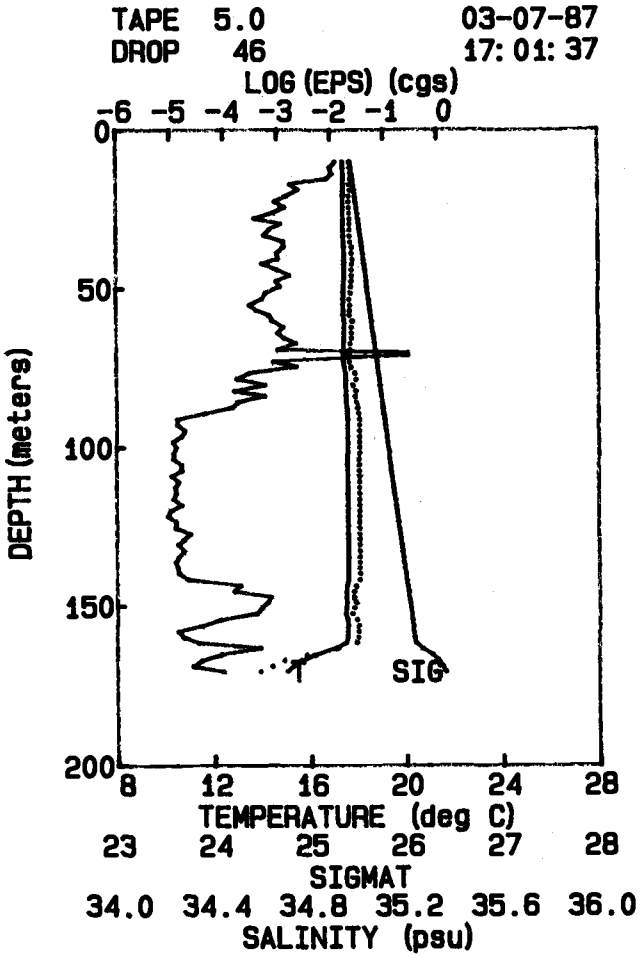
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
SIG
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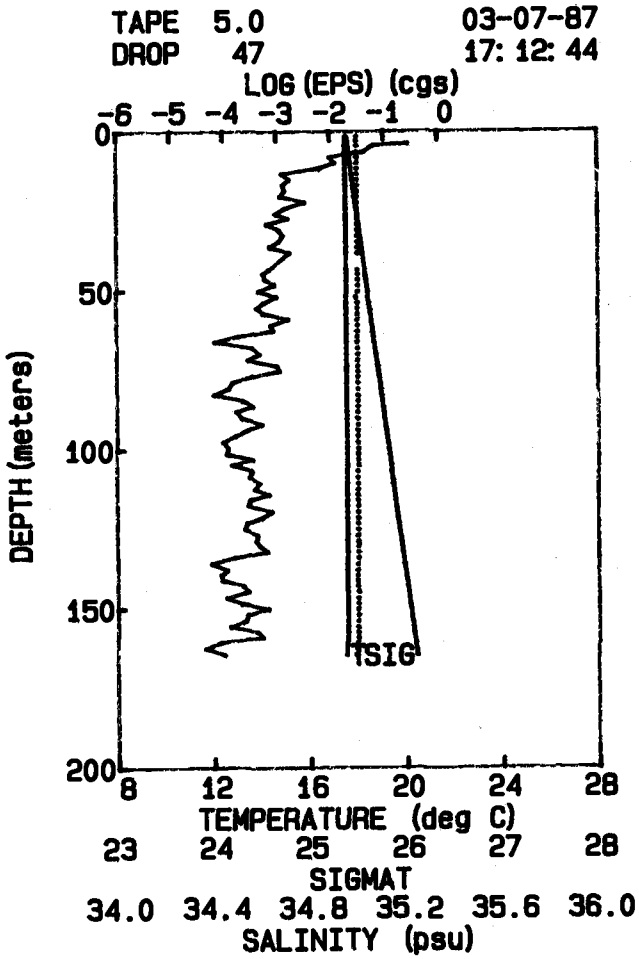
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
TSIG
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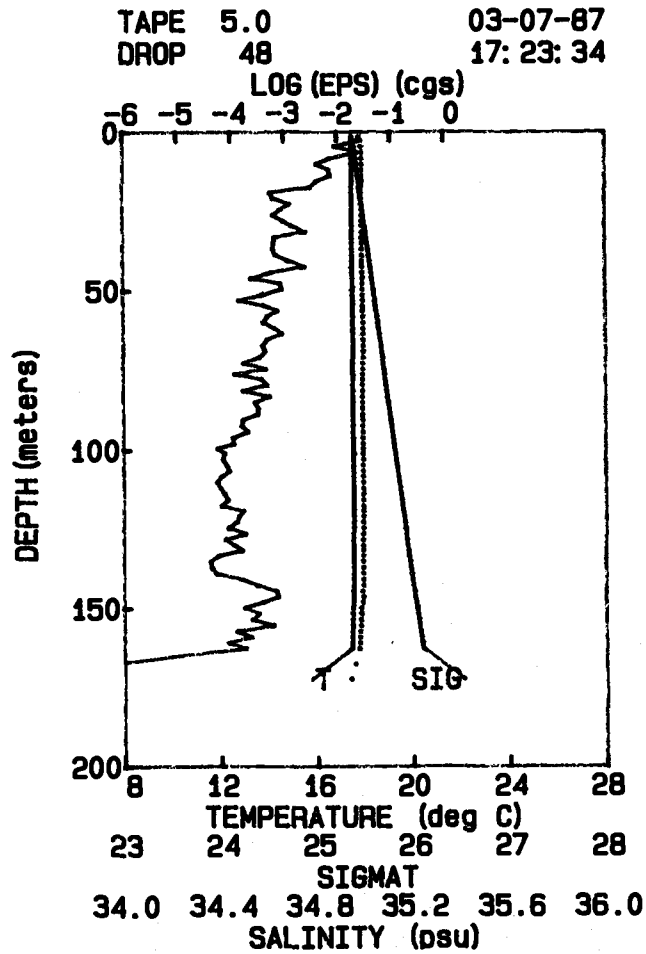
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIG
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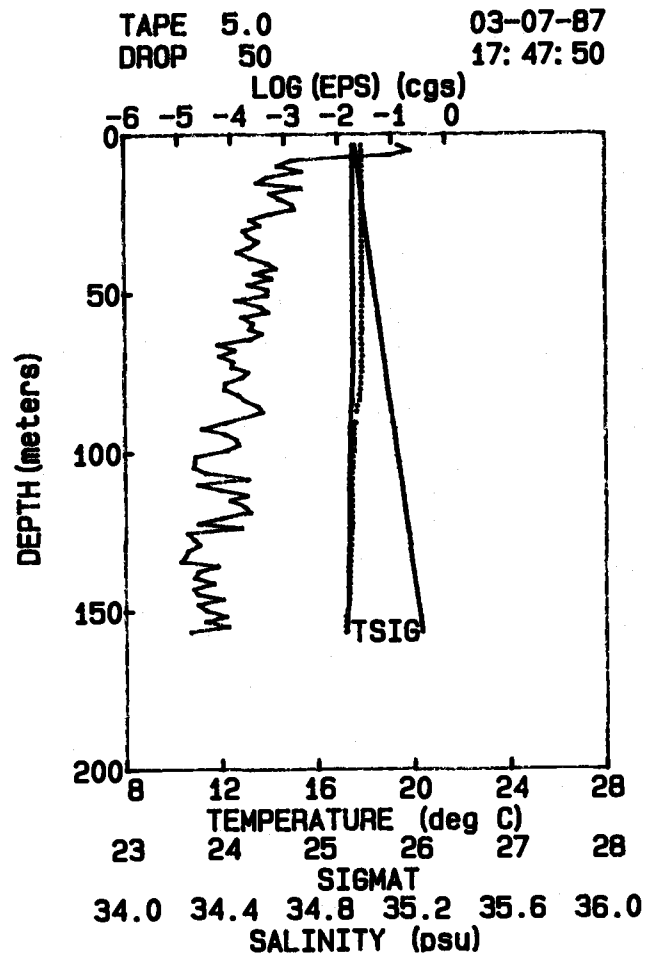
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
TSIG
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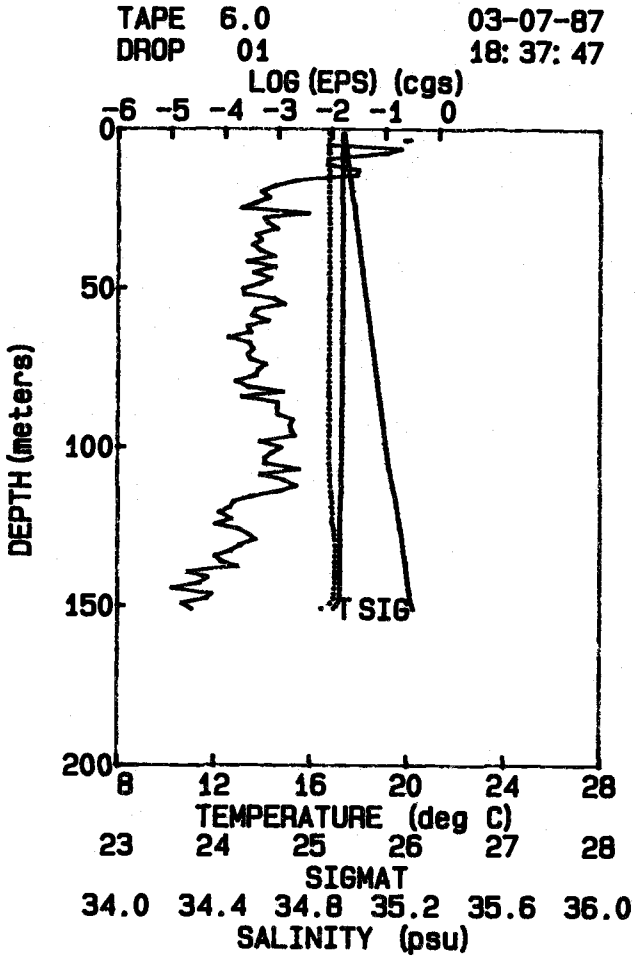
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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100
150
200
T SIG
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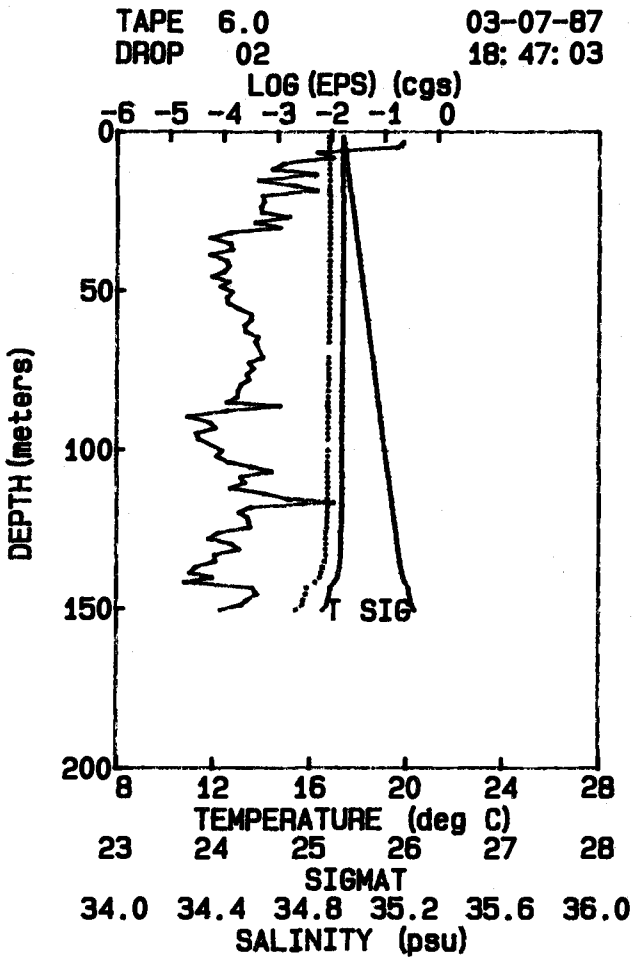
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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100
150
200
T SIG
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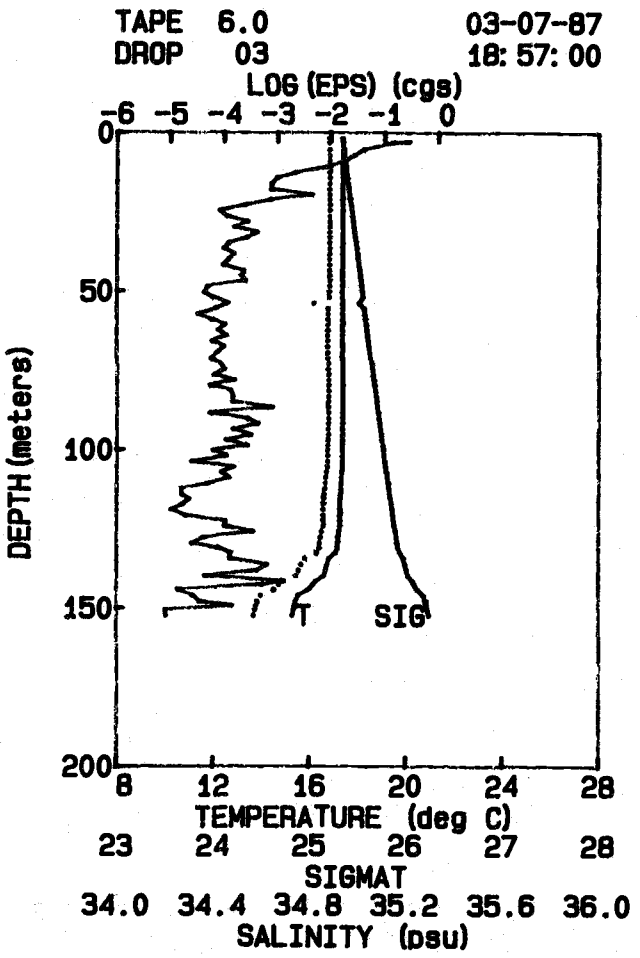
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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100
150
200
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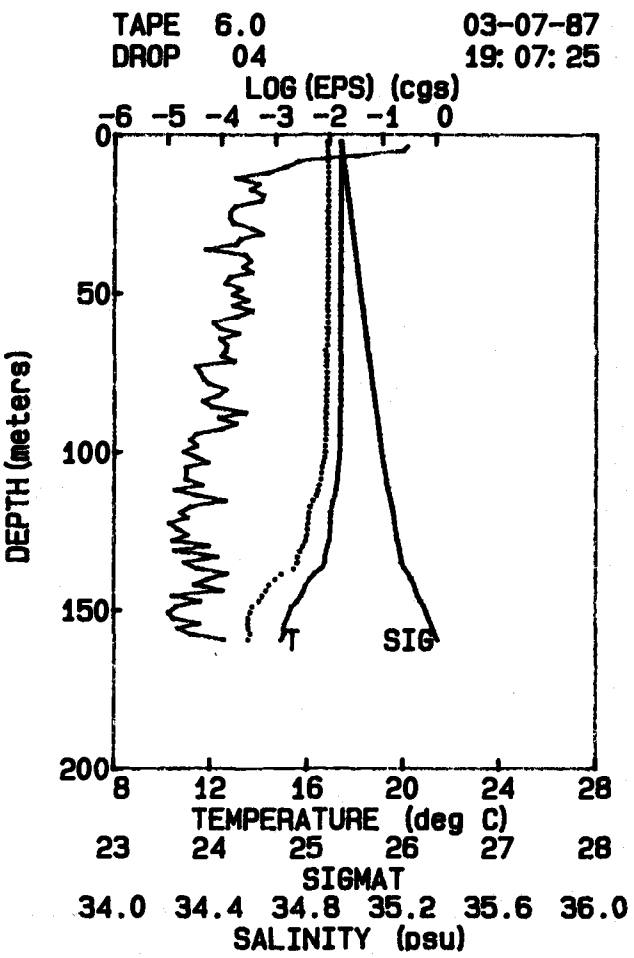
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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150
200
T SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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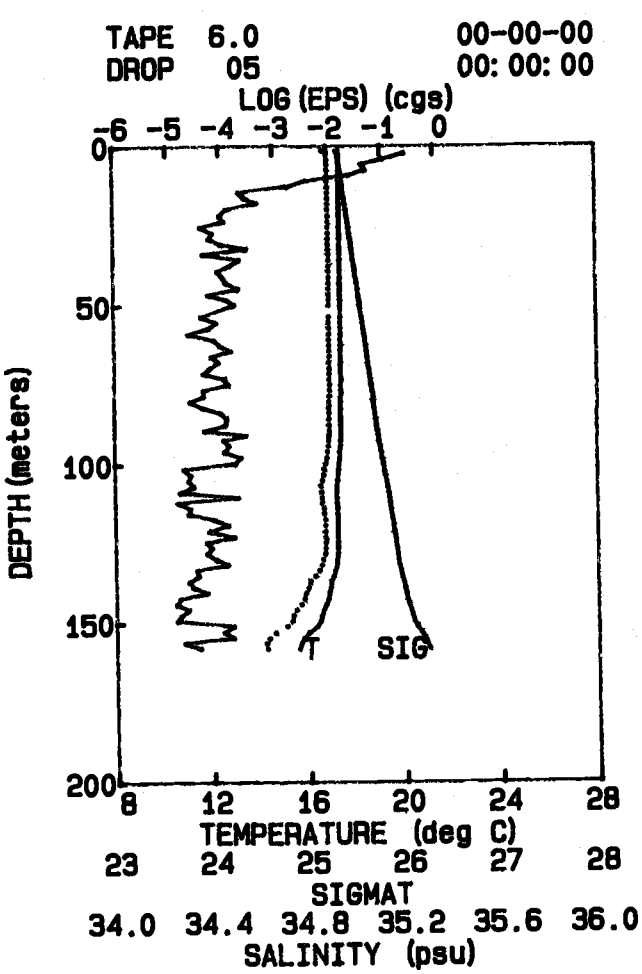
SALINITY (psu)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00-00-00
00: 00: 00
LOG (EPS) (cgs)
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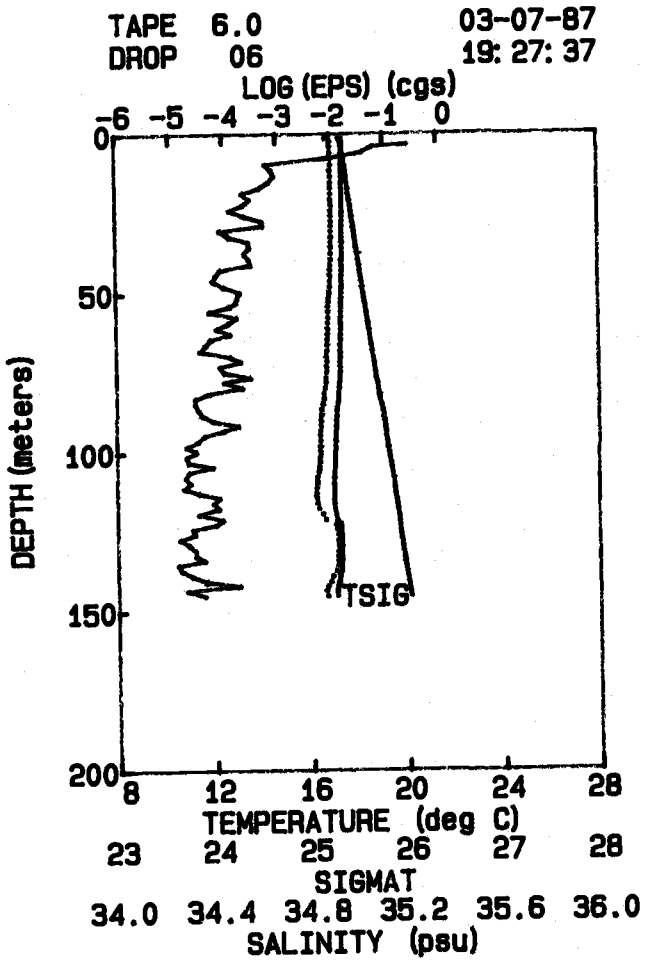
0
50
100
150
200
DEPTH (meters)
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-07-87
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100
150
200
DEPTH (meters)
TSIG
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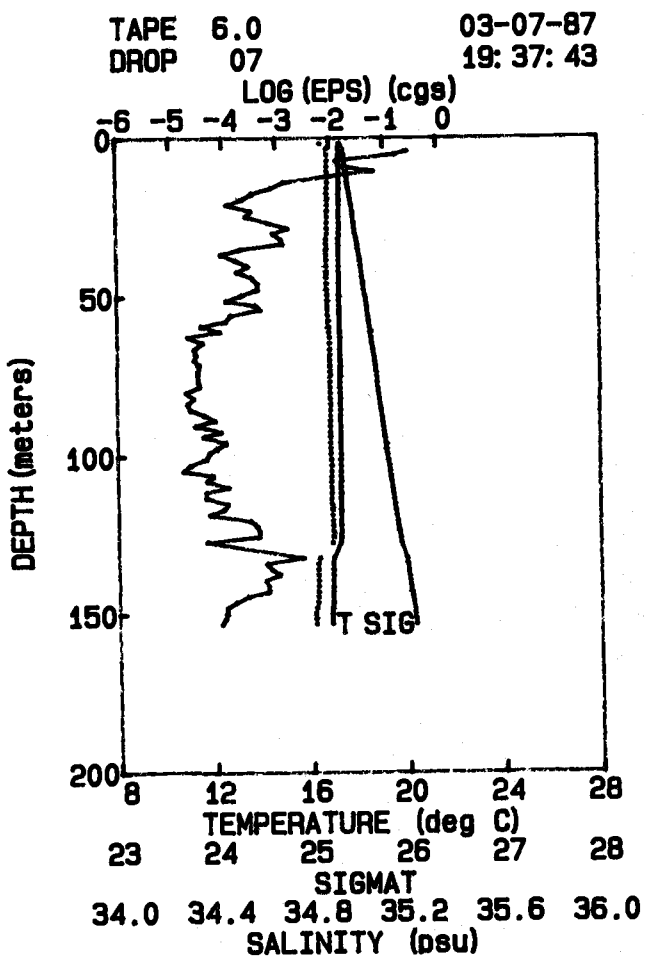
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
DEPTH (meters)
T SIG
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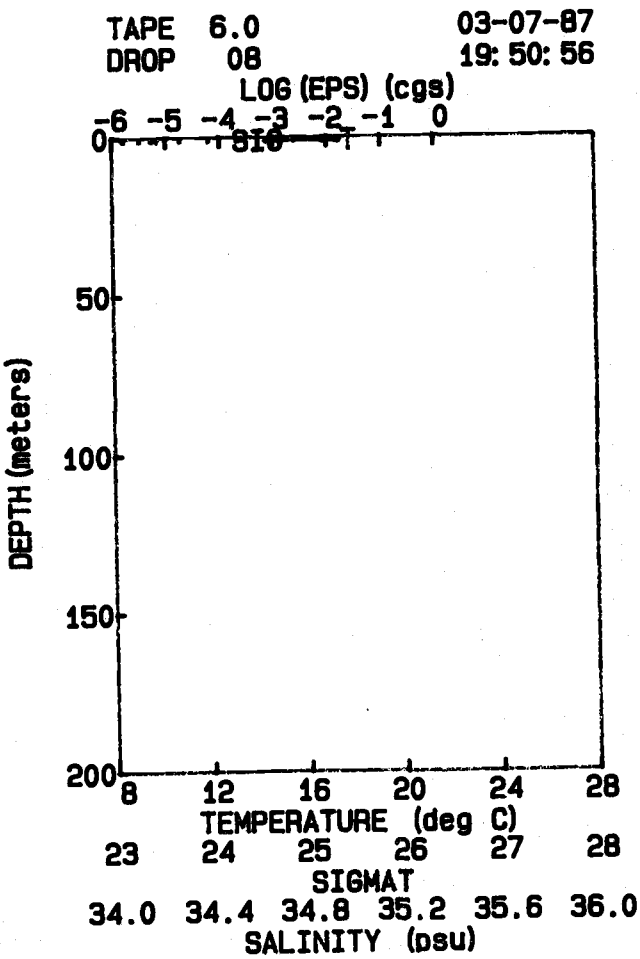
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
DEPTH (meters)
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TEMPERATURE (deg C)
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SIGMAT
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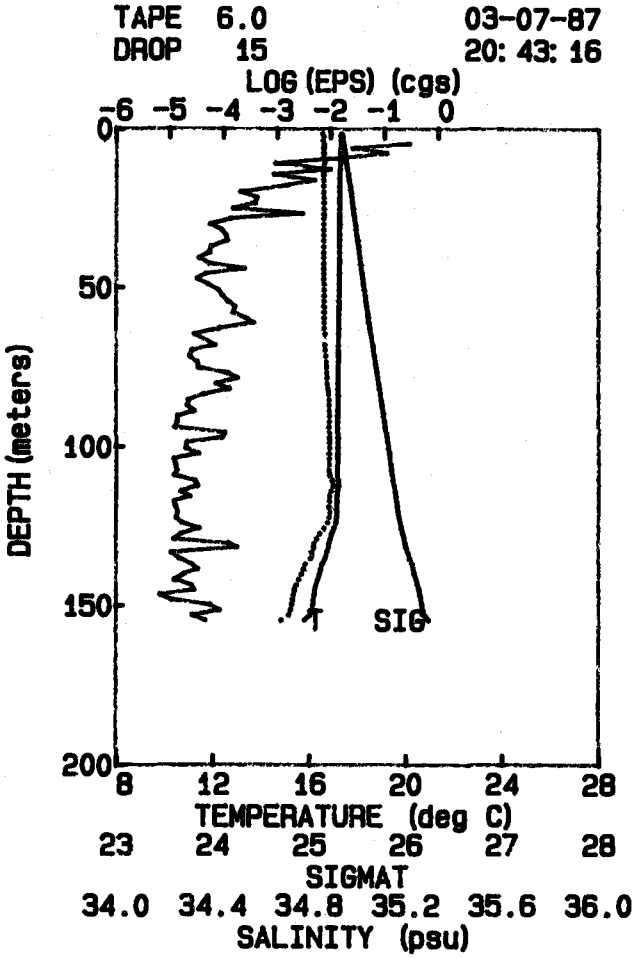
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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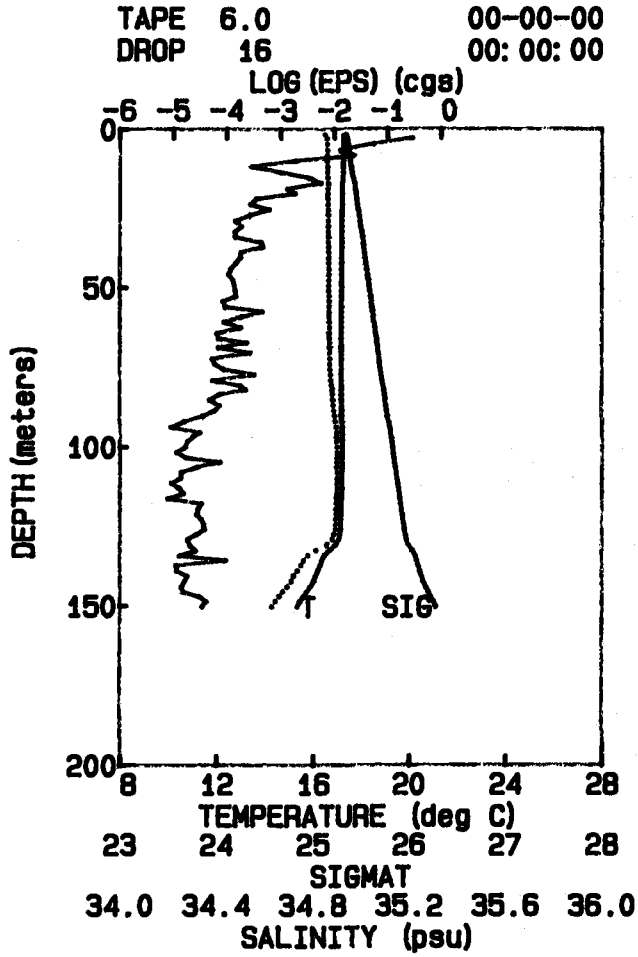
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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00: 00: 00
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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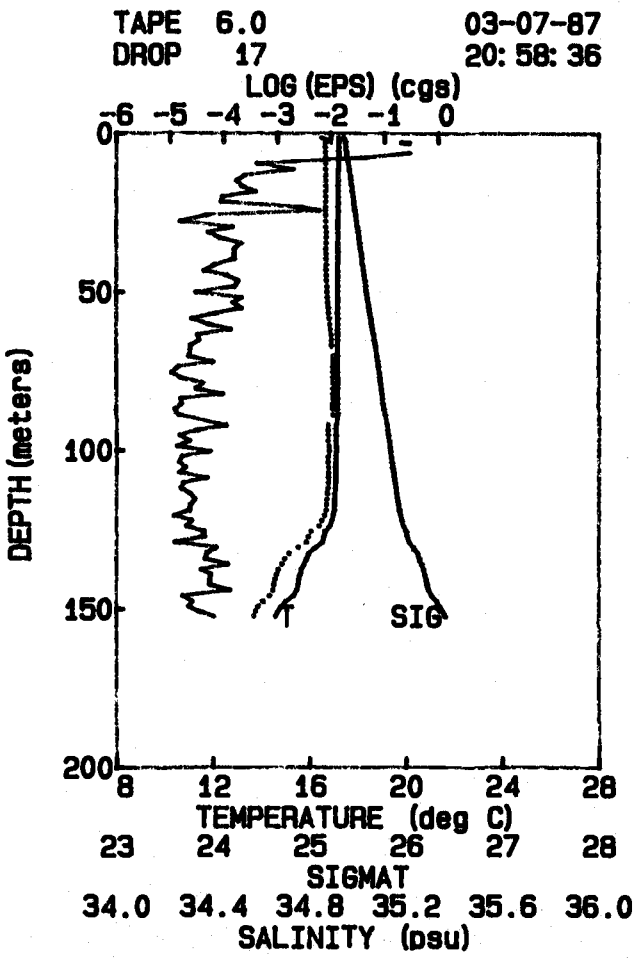
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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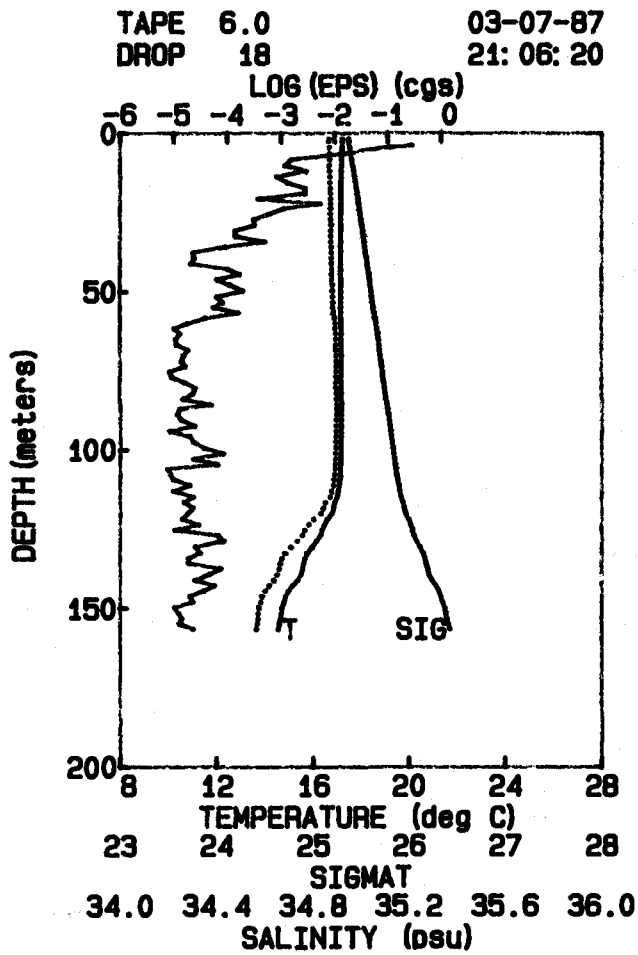
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
T
SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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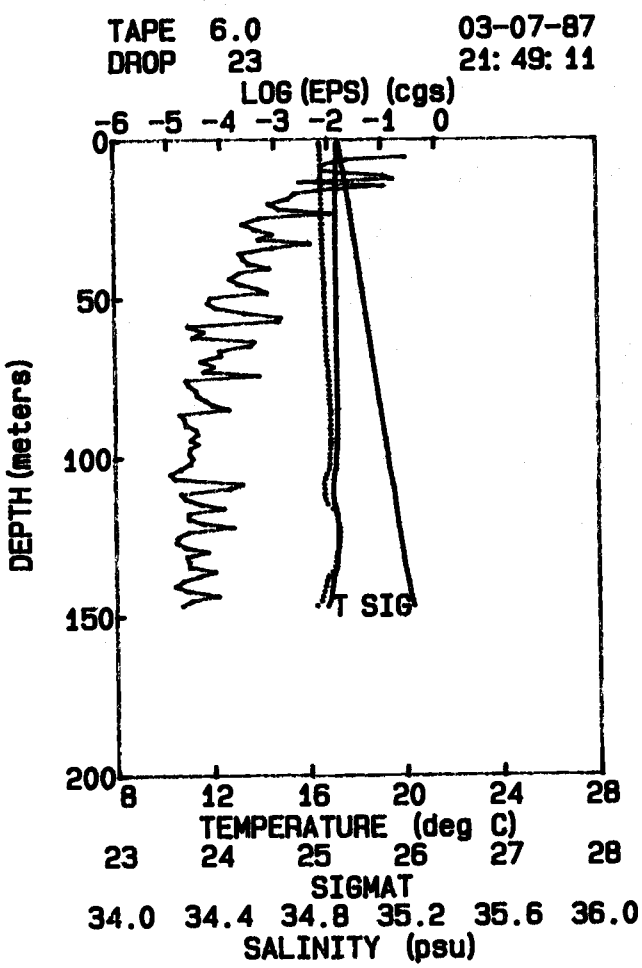
SALINITY (psu)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200
DEPTH (meters)
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SIGMAT
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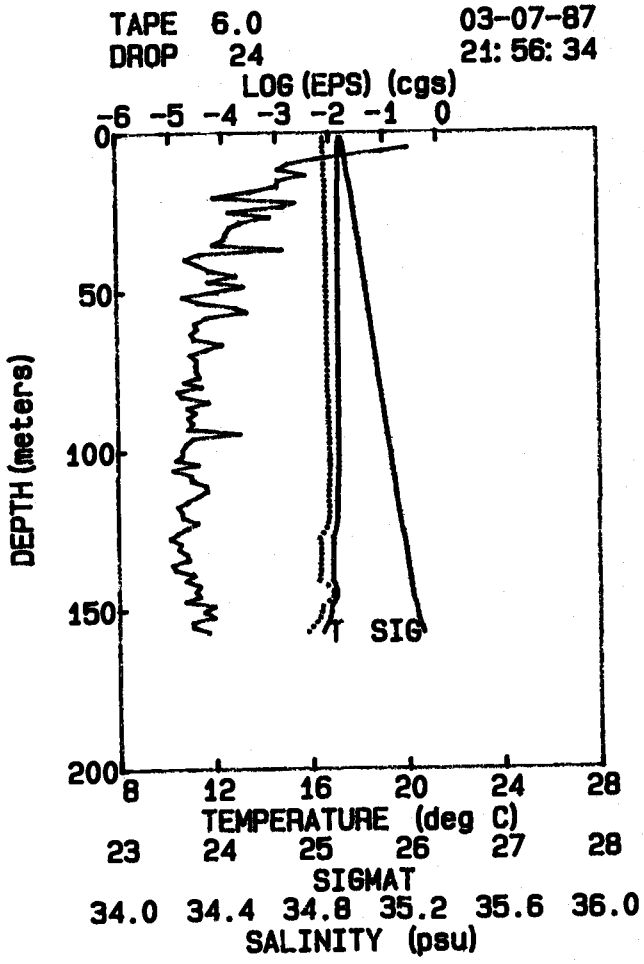
SALINITY (psu)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100
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200
DEPTH (meters)
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SIGMAT
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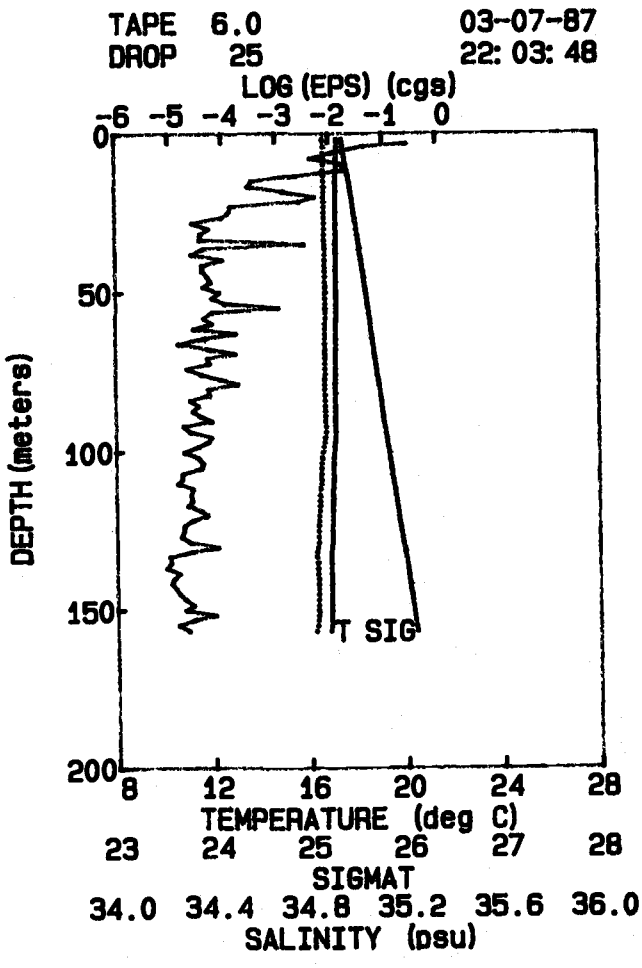
SALINITY (psu)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100
150
200
DEPTH (meters)
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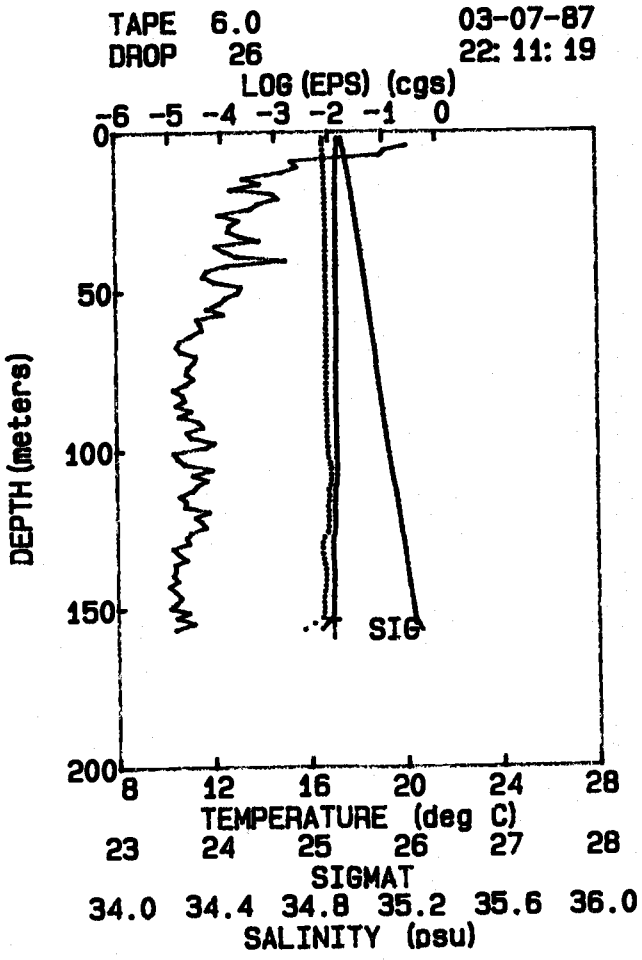
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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50
100
150
200
DEPTH (meters)
T SIG
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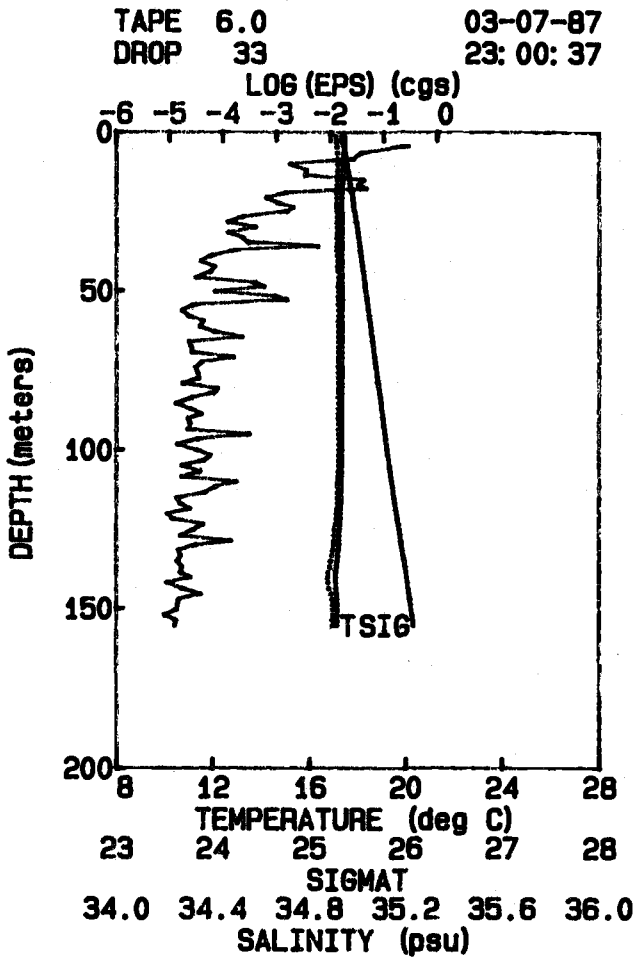
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 33
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DEPTH (meters)
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100
150
200
TSIG
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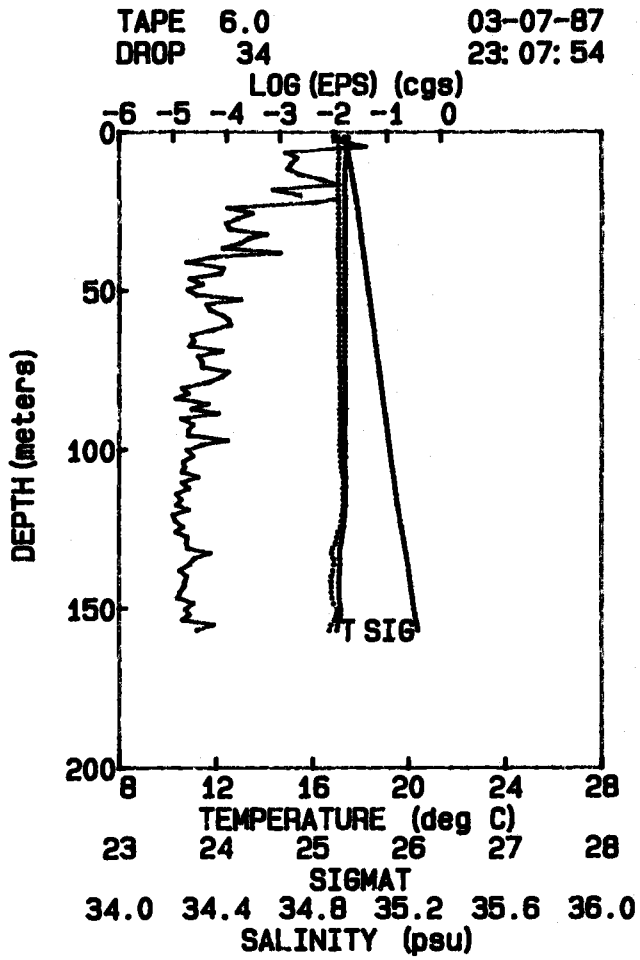
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
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200
T SIG
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TEMPERATURE (deg C)
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SIGMAT
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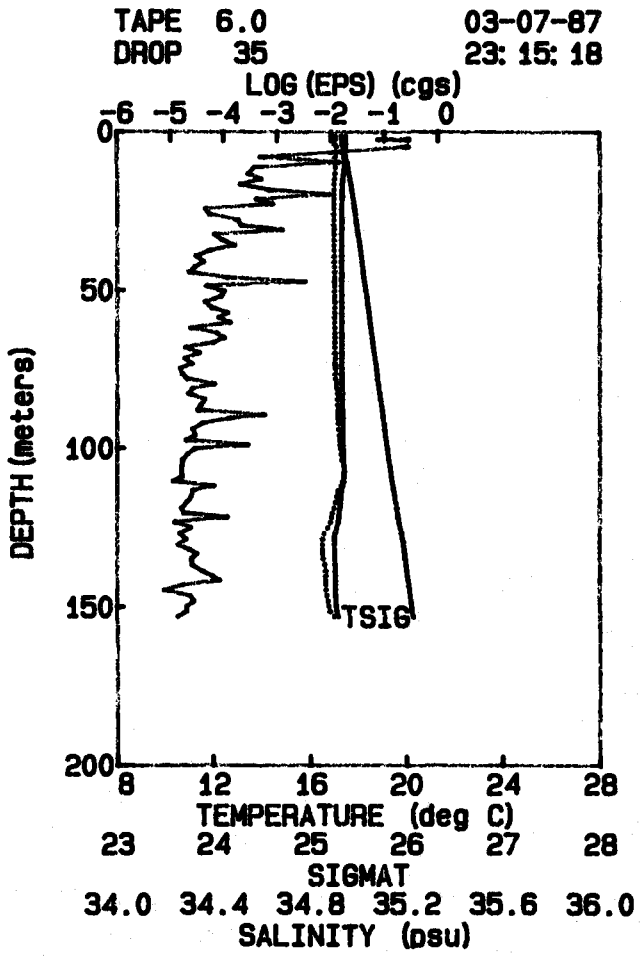
SALINITY (psu)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200
TSIG
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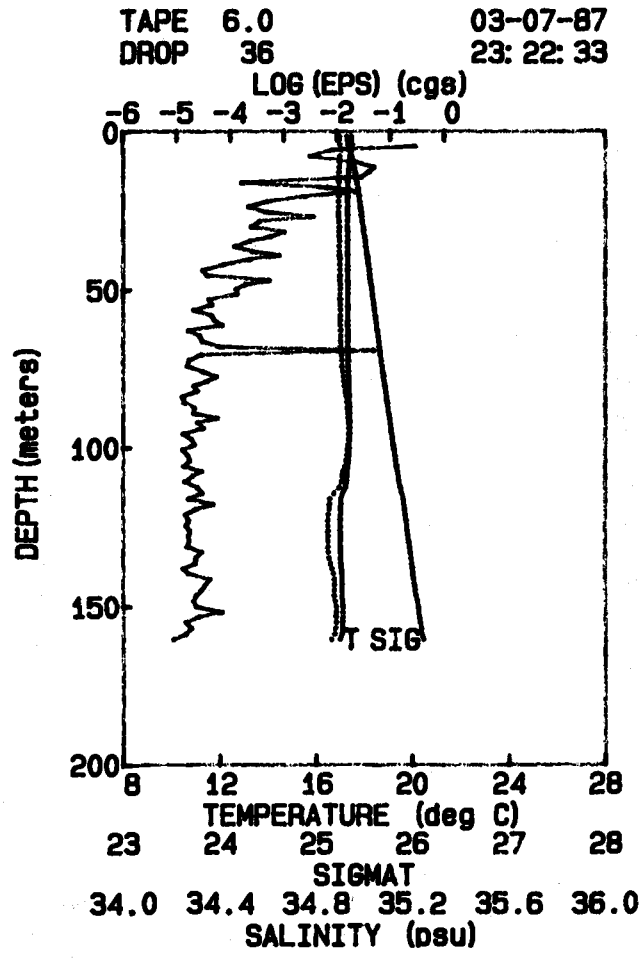
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-07-87
DROP 36
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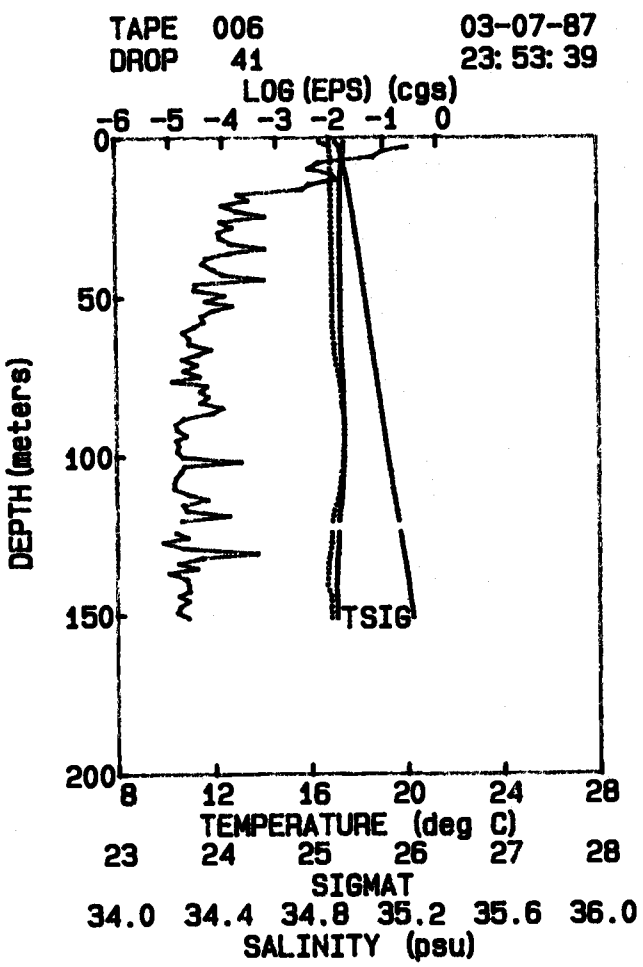
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 006
DROP 41
03-07-87
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LOG (EPS) (cgs)
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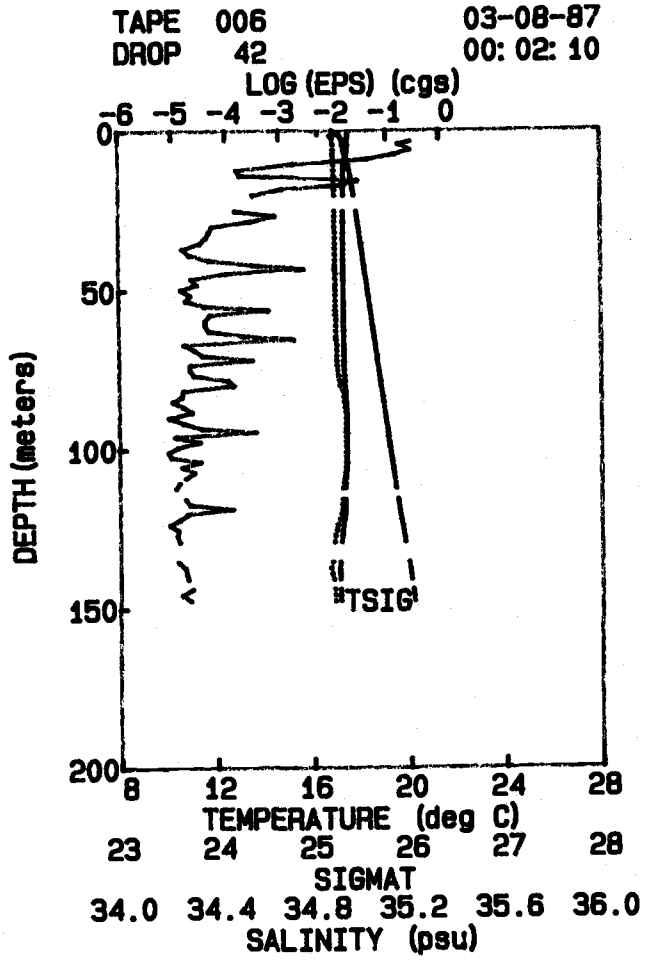
DEPTH (meters)
0
50
100
150
200
TSIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-08-87
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LOG (EPS) (cgs)
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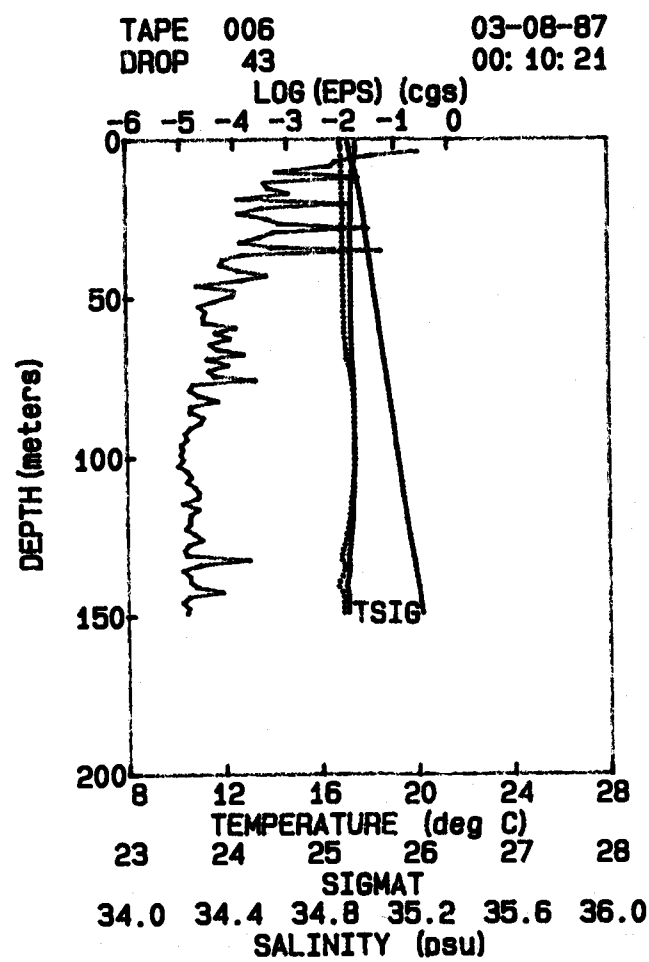
DEPTH (meters)
0
50
100
150
200
TSIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
TSIG
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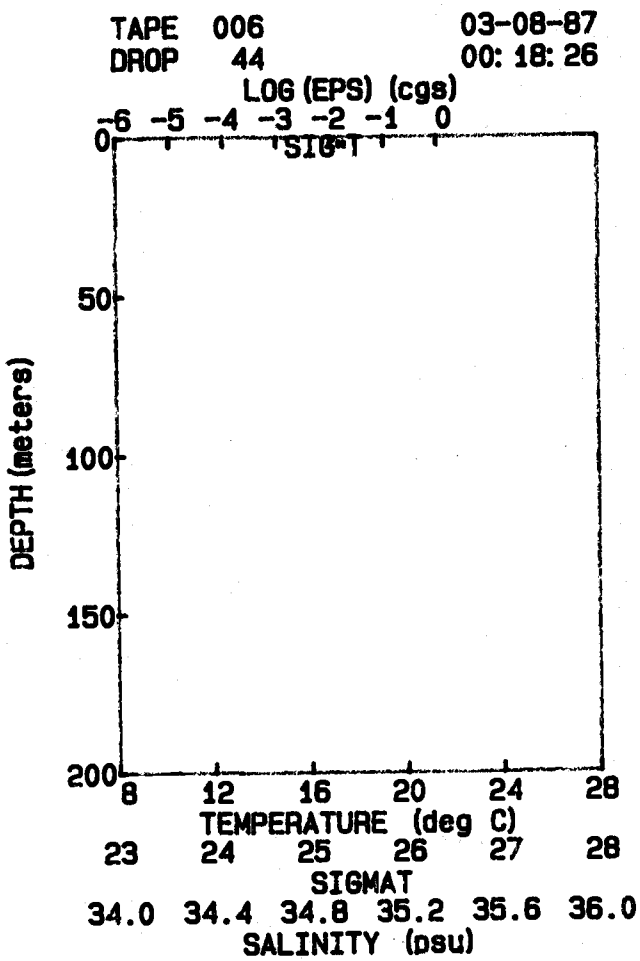
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
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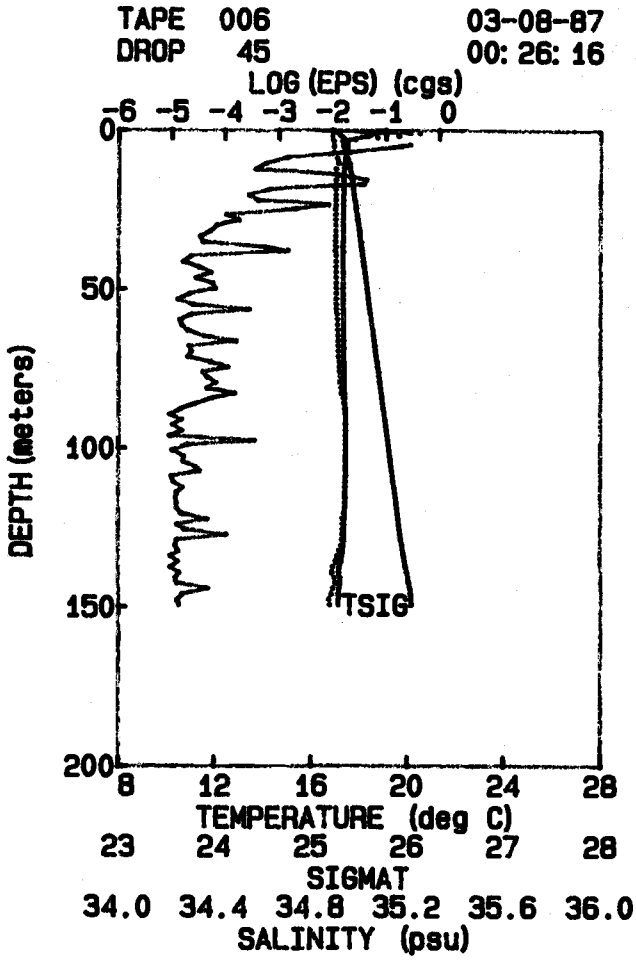
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
TSIG
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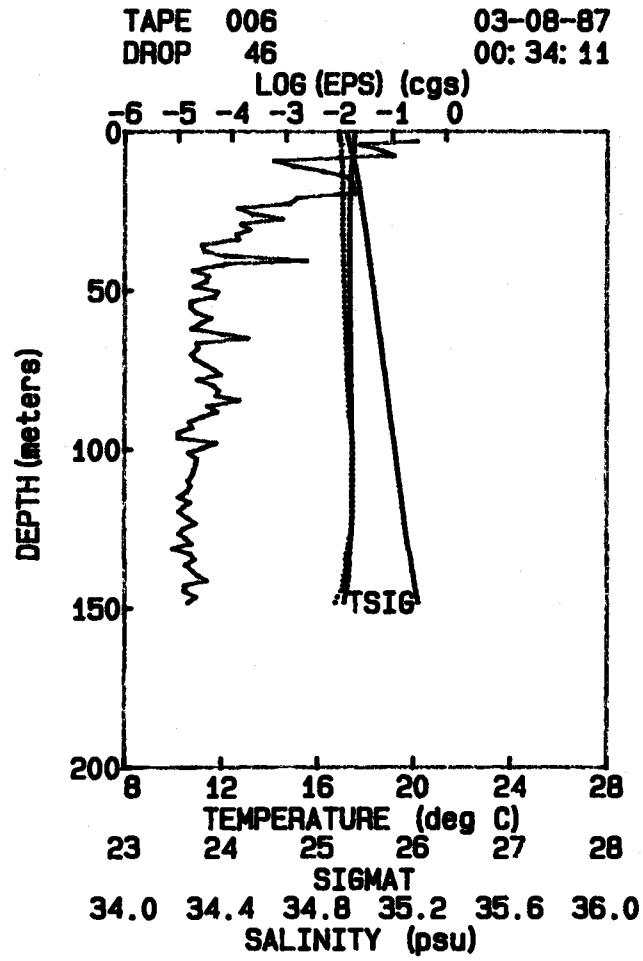
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 46
03-08-87
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LOG (EPS) (cgs)
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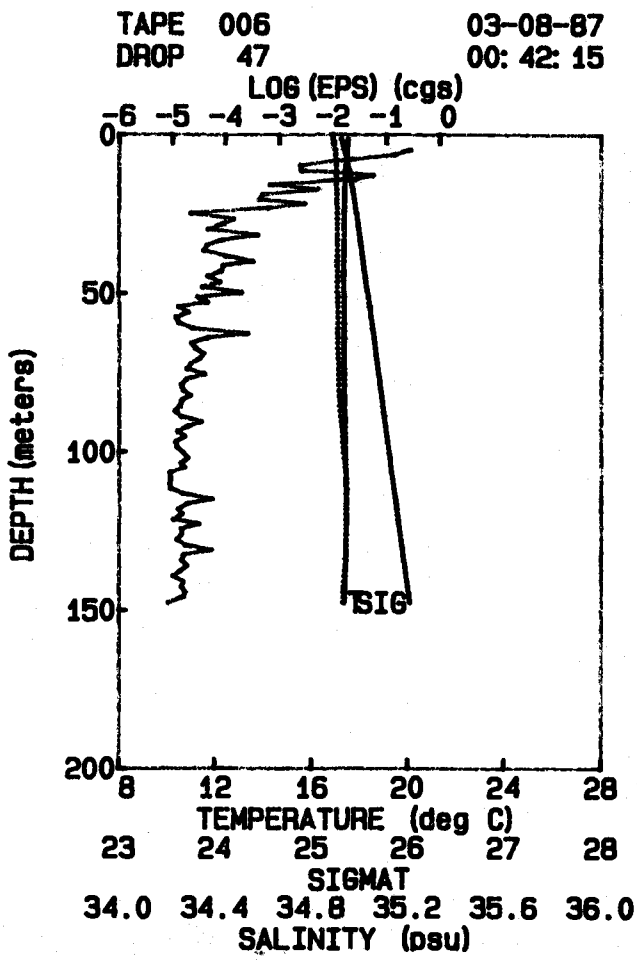
DEPTH (meters)
0
50
100
150
200
TSIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-08-87
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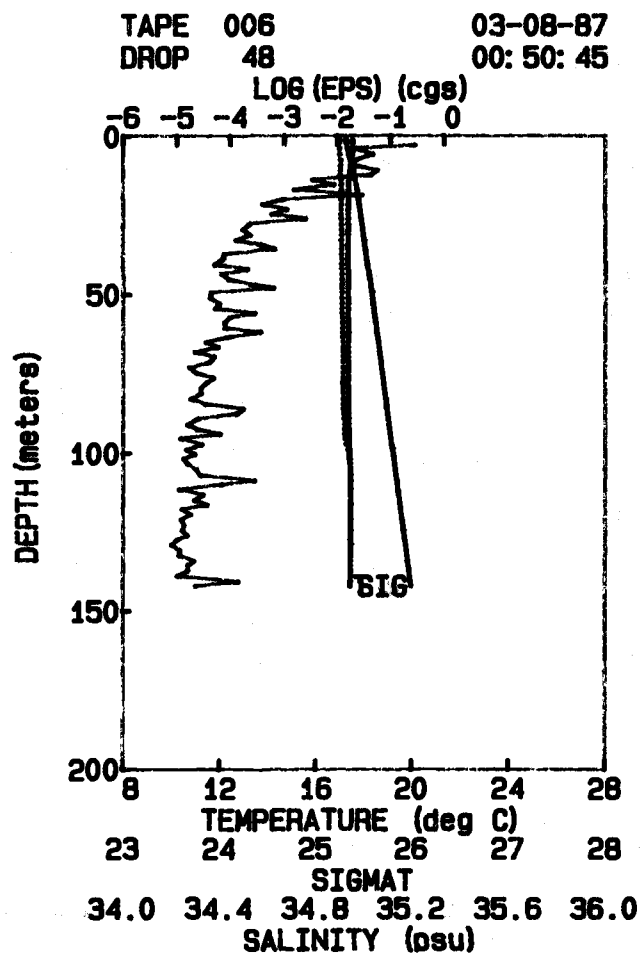
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 48
03-08-87
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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIG
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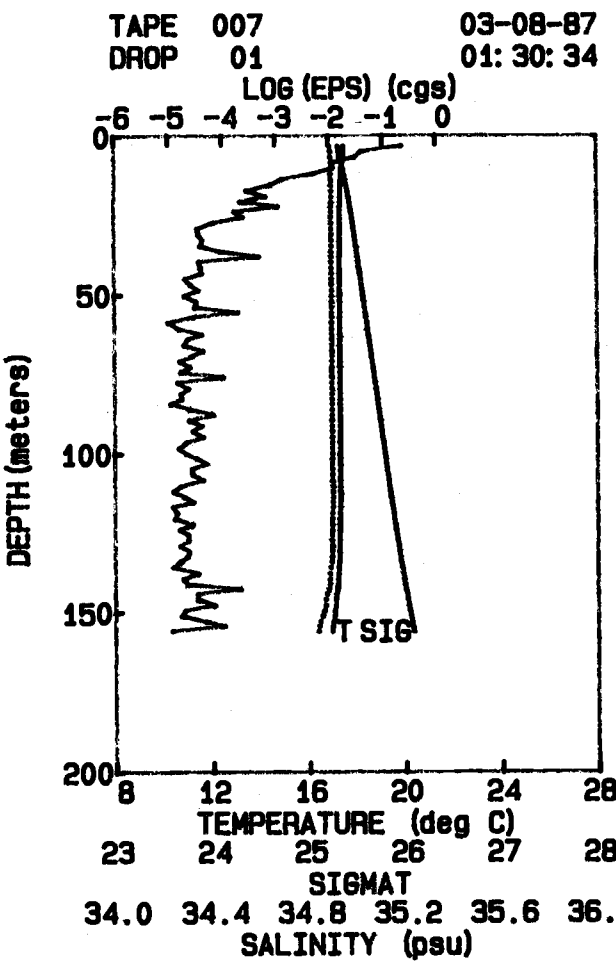
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 01
03-08-87
01: 30: 34
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T SIG
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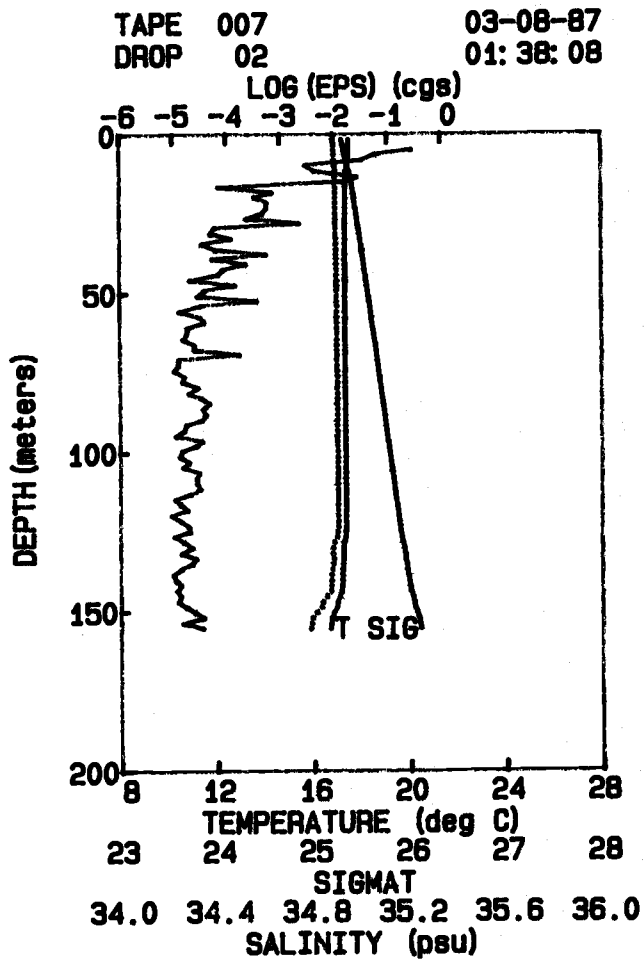
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
T SIG
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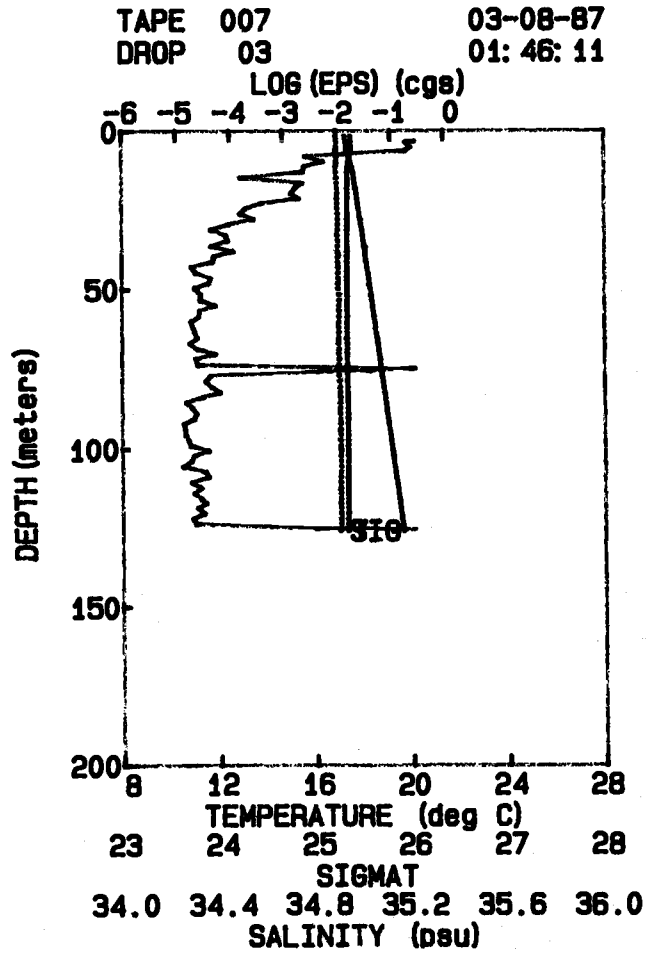
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 03
03-08-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
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100
150
200
SIG
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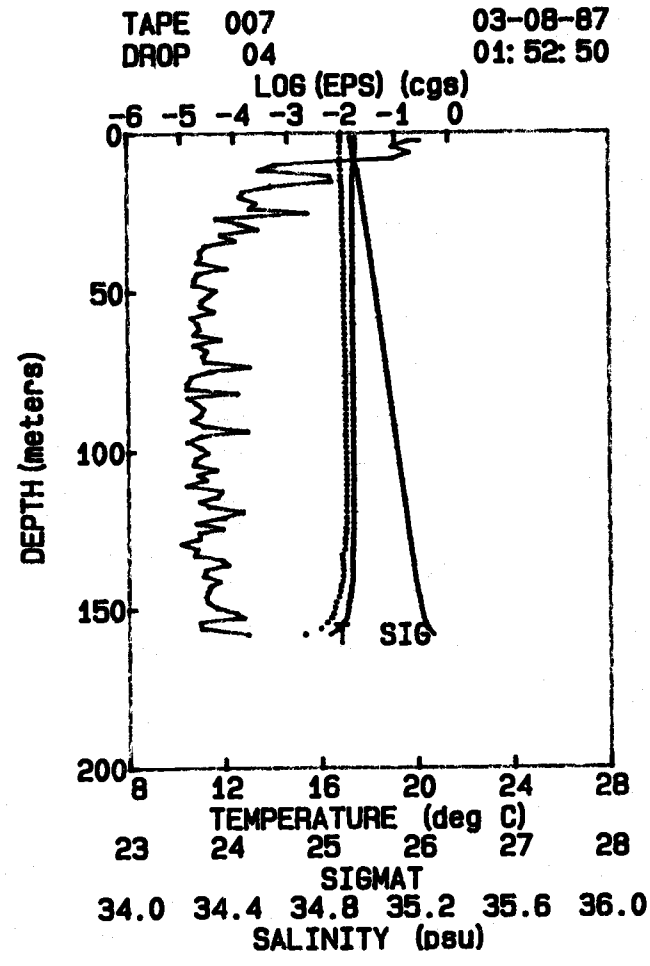
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 04
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01: 52: 50
LOG (EPS) (cgs)
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DEPTH (meters)
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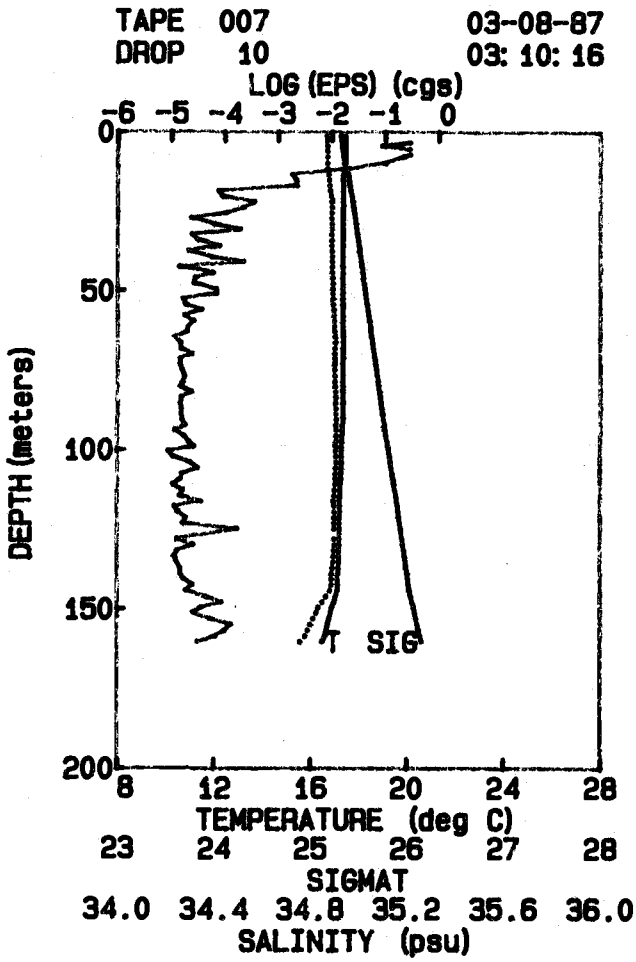
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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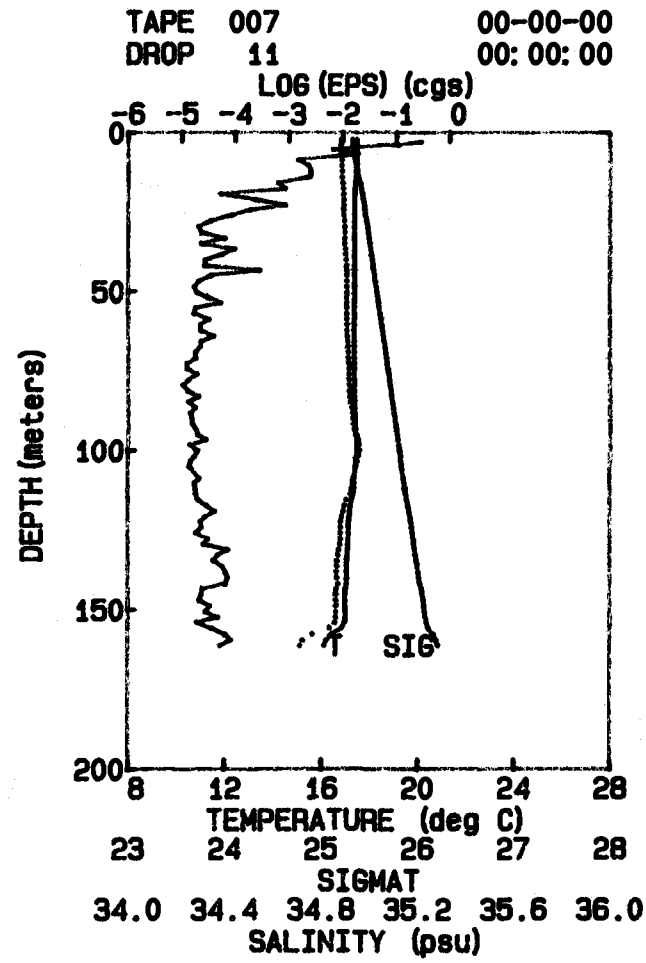
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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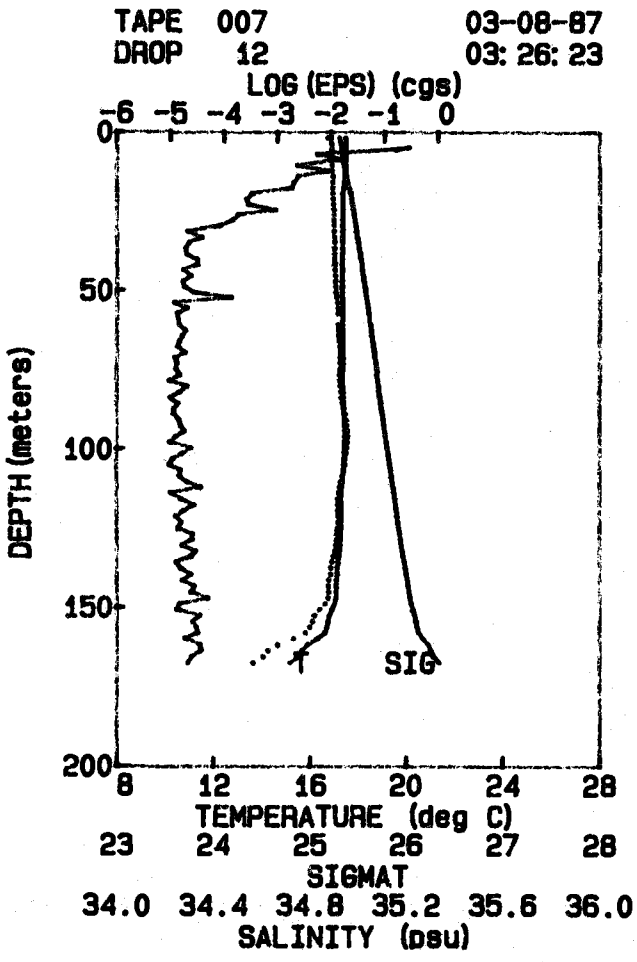
DROP 11
00-00-00
00: 00: 00
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-08-87
03: 26: 23
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
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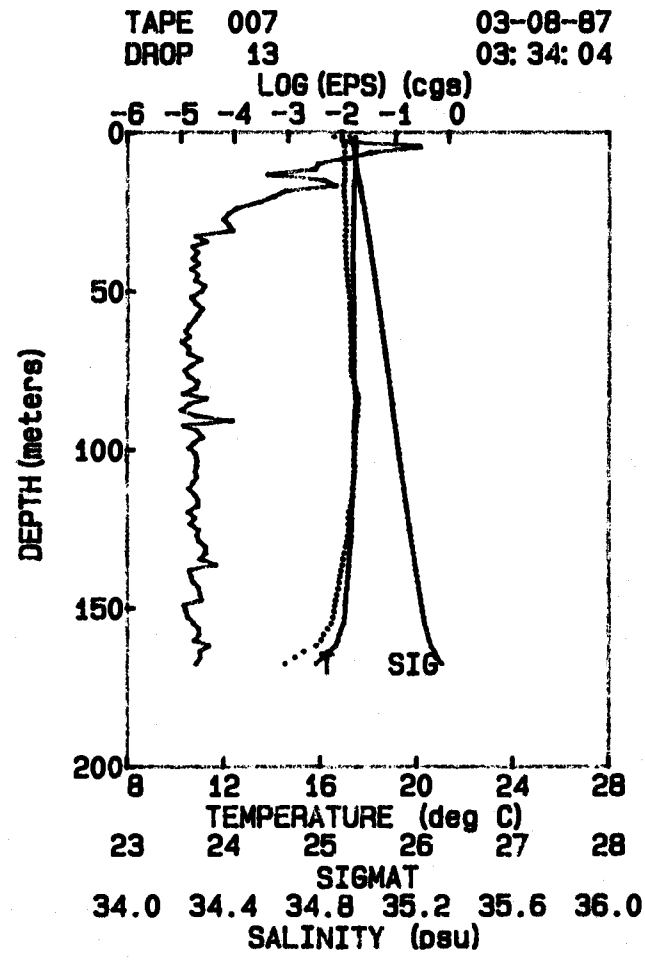
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DEPTH (meters)
0
50
100
150
200
T
SIG
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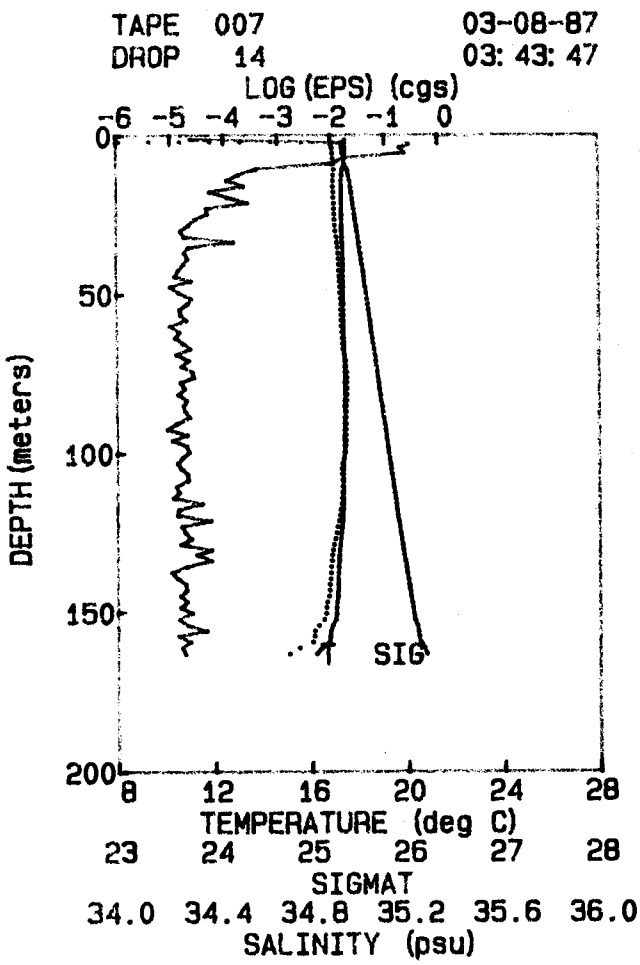
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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50
100
150
200
DEPTH (meters)
T SIG
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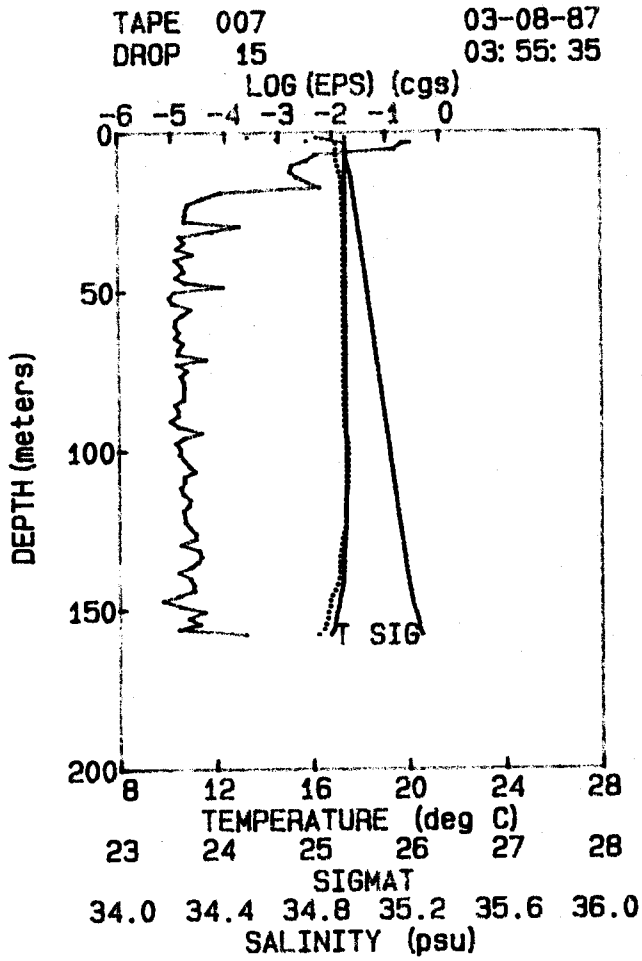
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
DEPTH (meters)
T SIG
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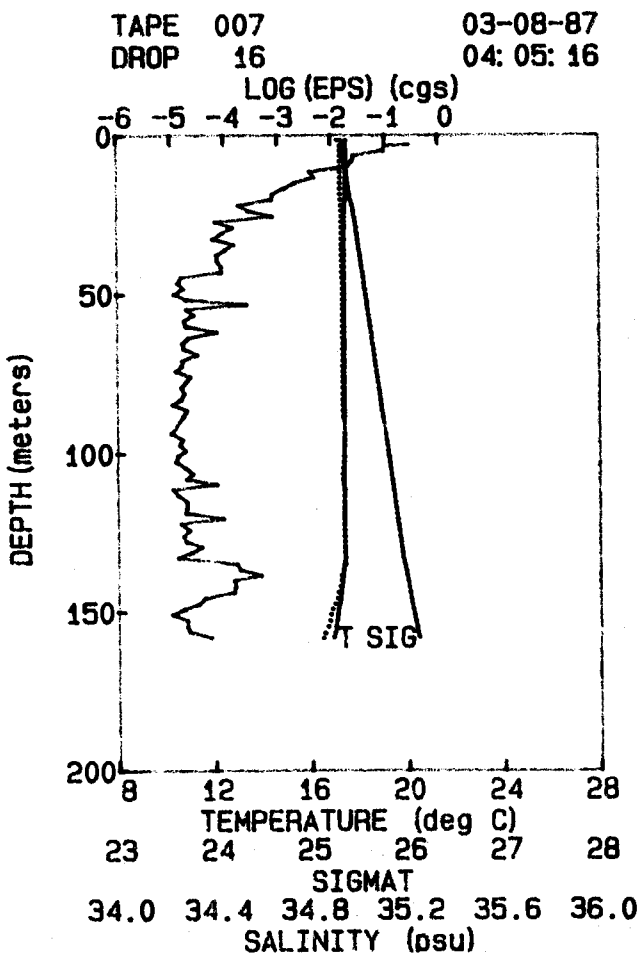
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
DEPTH (meters)
T SIG
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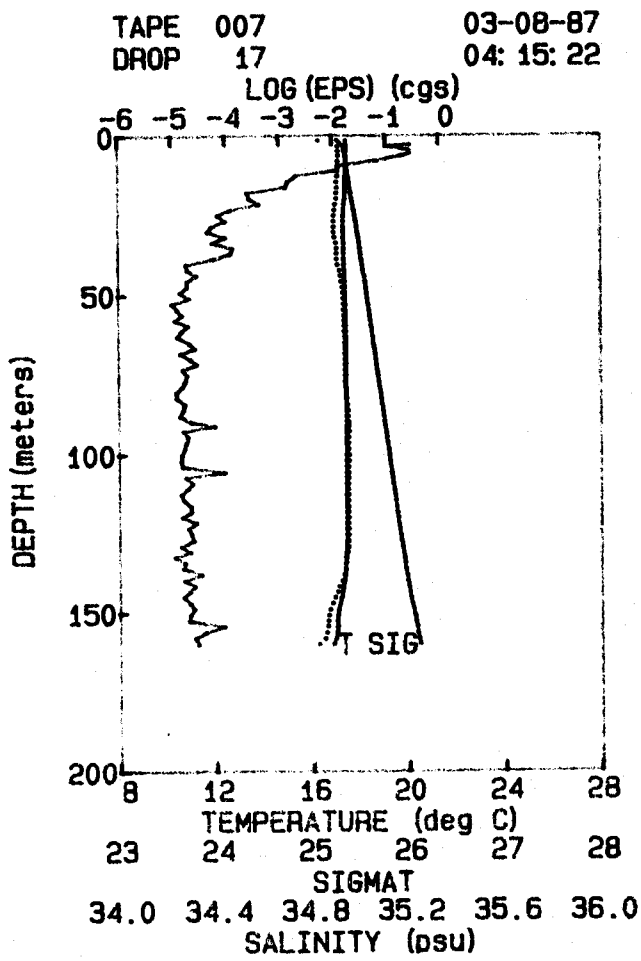
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
DEPTH (meters)
T SIG
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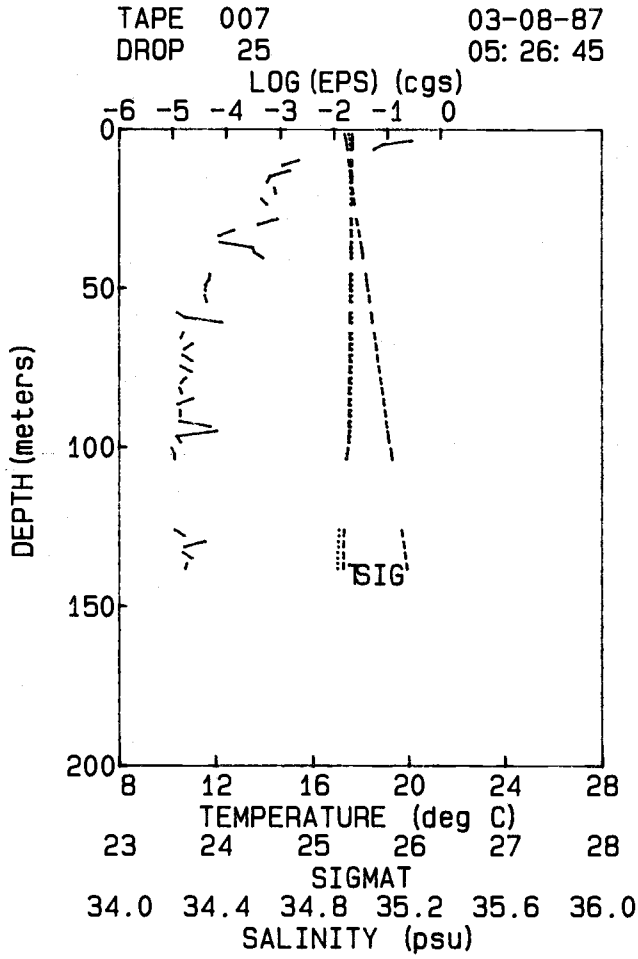
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
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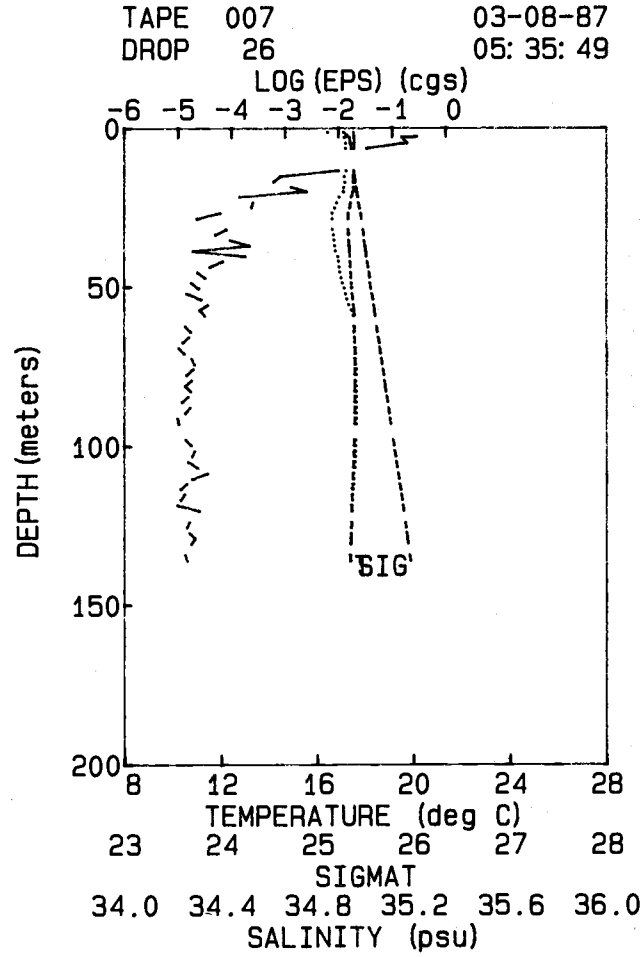
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
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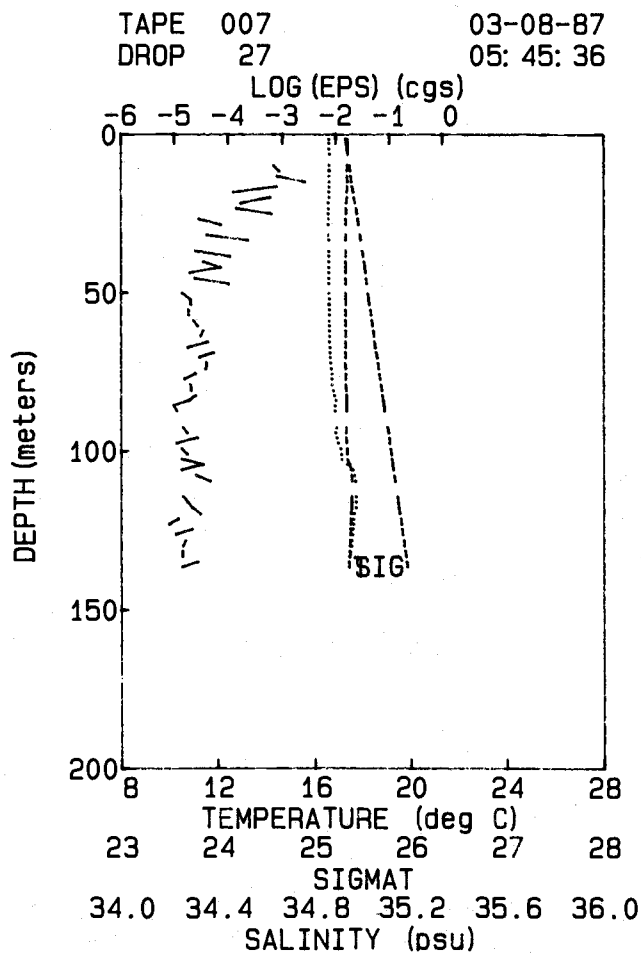
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
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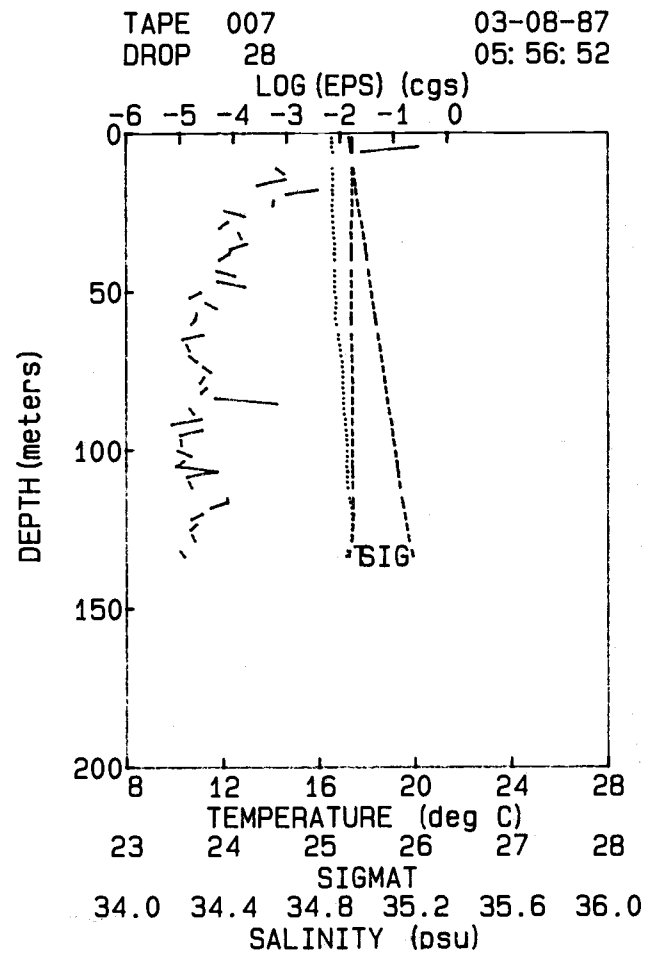
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
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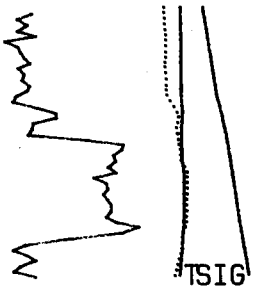
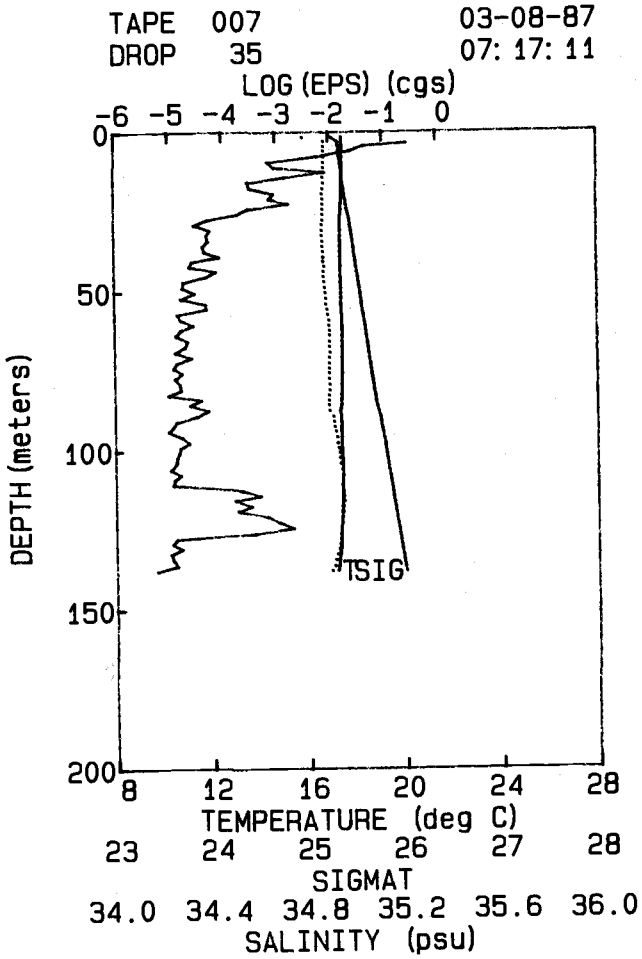
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TSIG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DEPTH (meters)
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100
150
200
TSIG
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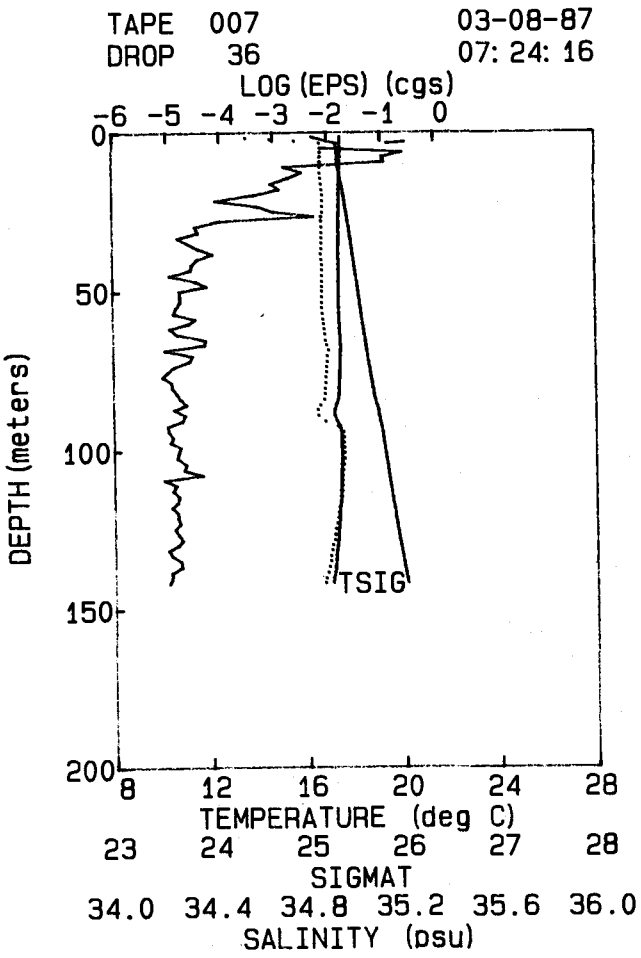
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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07: 24: 16
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DEPTH (meters)
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100
150
200
TSIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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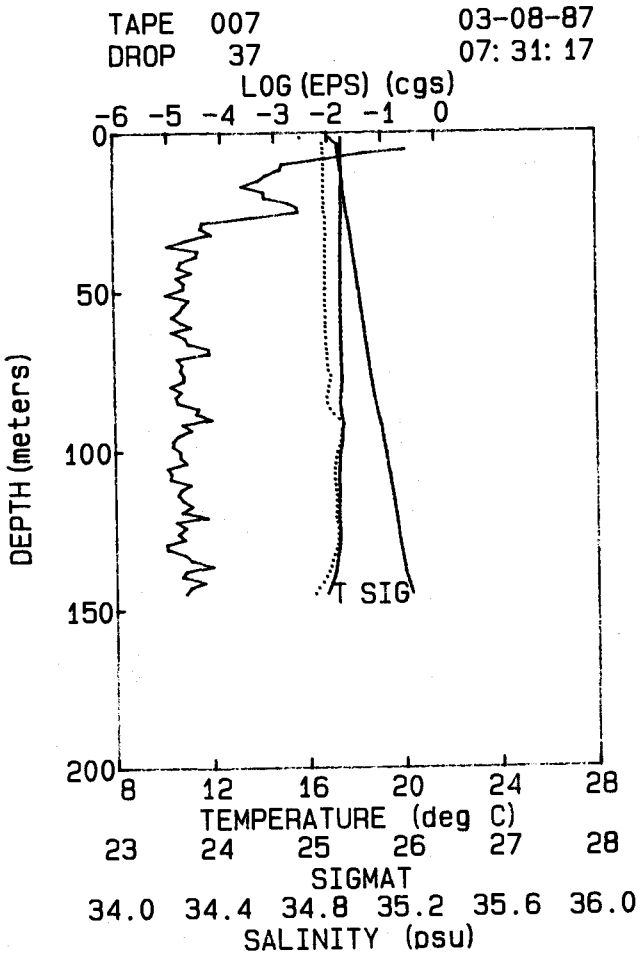
SALINITY (psu)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03-08-87
07: 31: 17
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DEPTH (meters)
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50
100
150
200
T SIG
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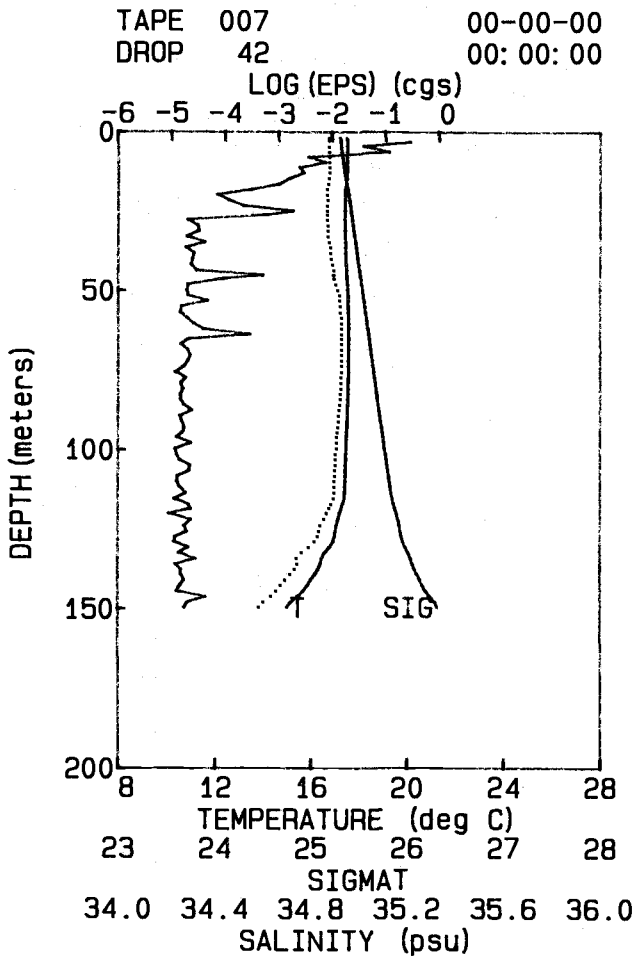
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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00-00-00
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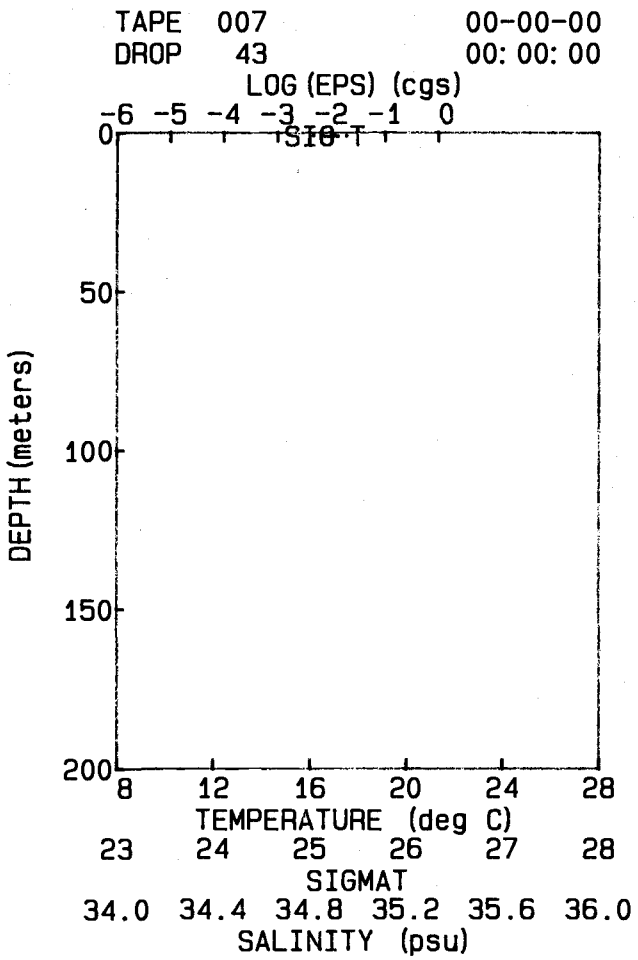
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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00-00-00
00: 00: 00
LOG (EPS) (cgs)
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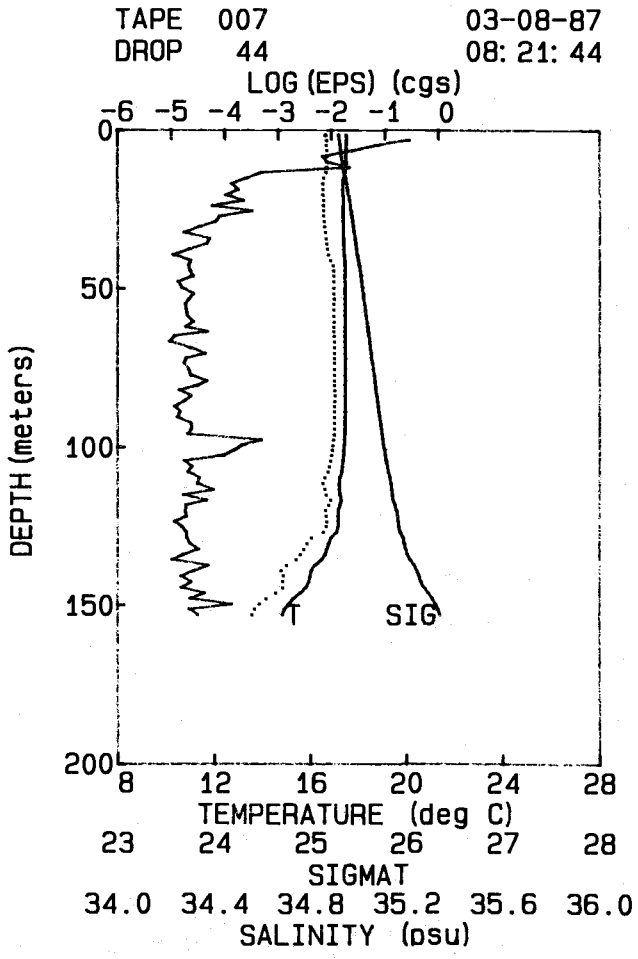
SIG T
DEPTH (meters)
0
50
100
150
200
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-08-87
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LOG (EPS) (cgs)
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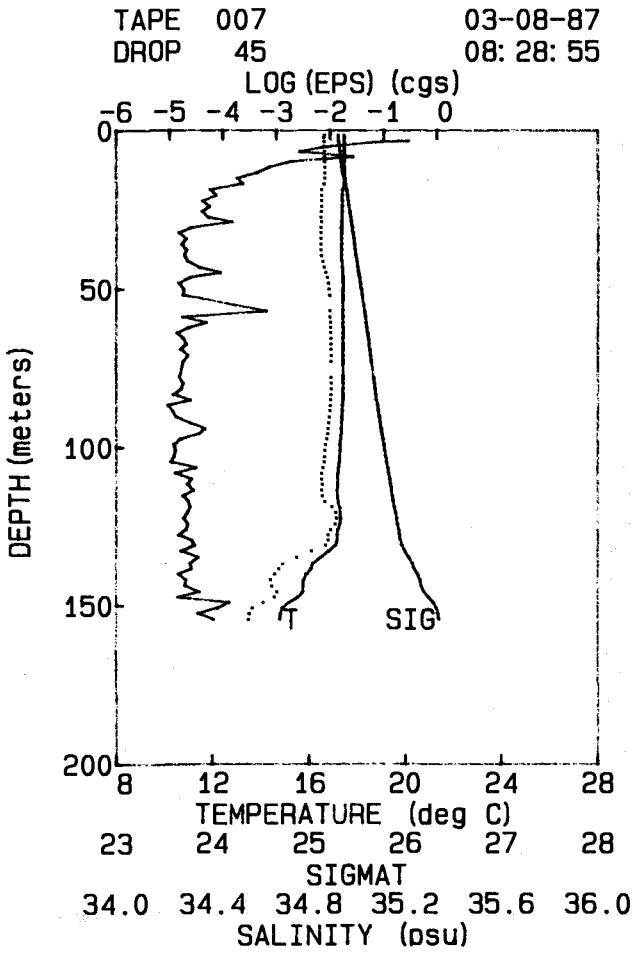
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-08-87
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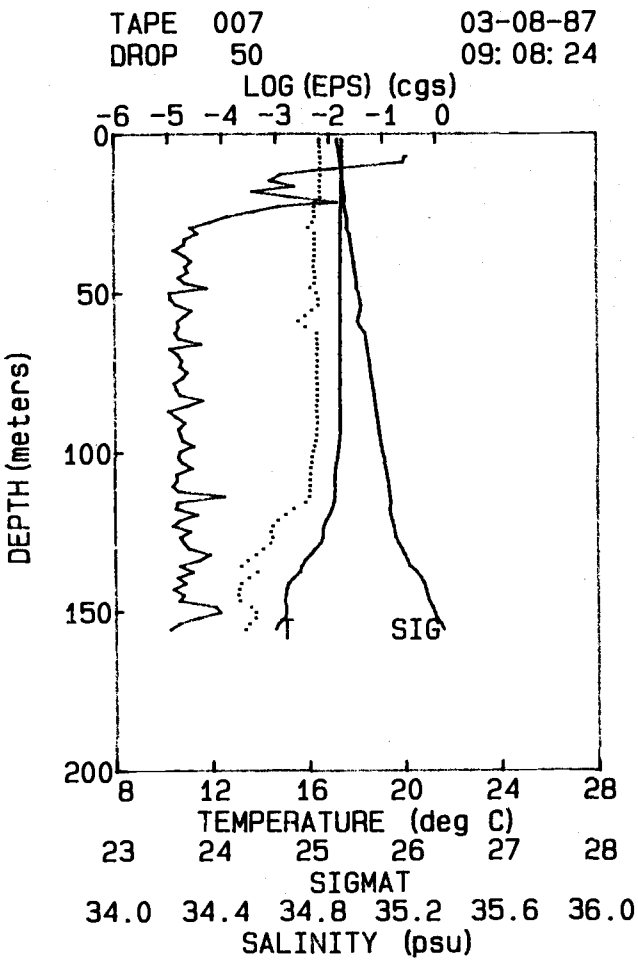
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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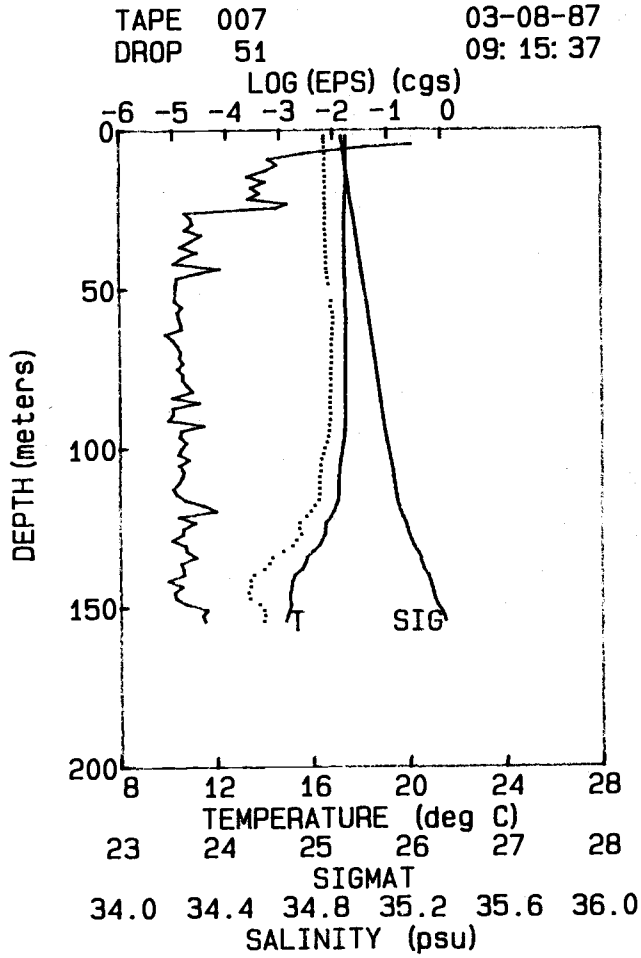
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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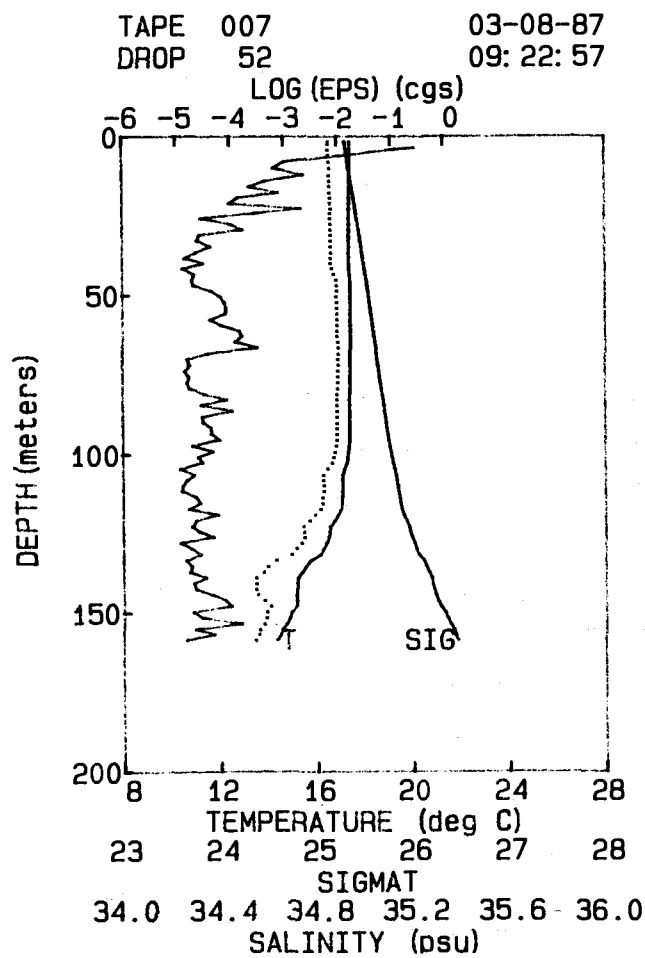
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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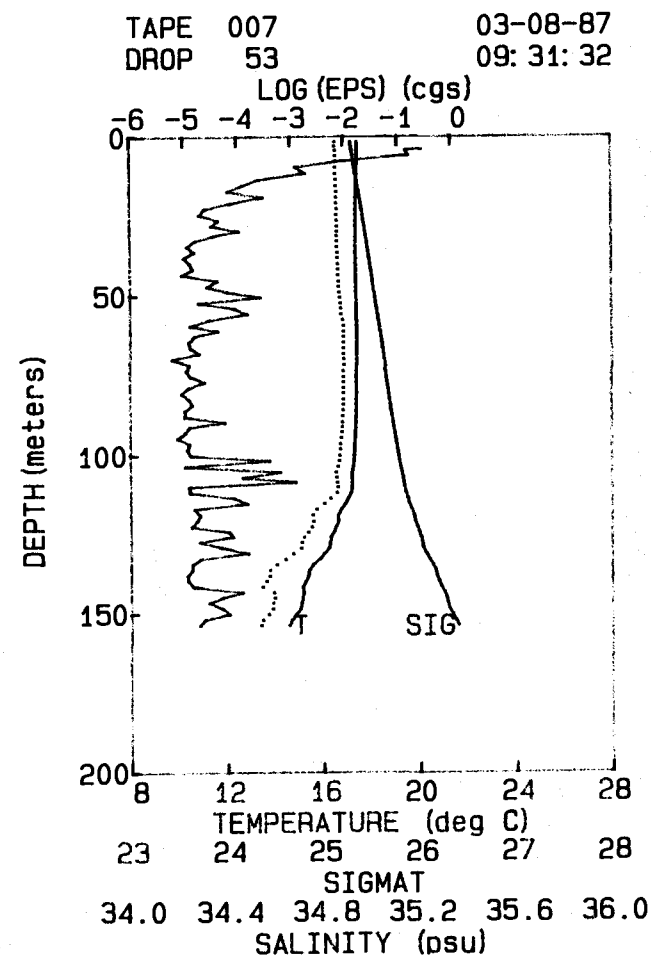
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-08-87
09: 31: 32
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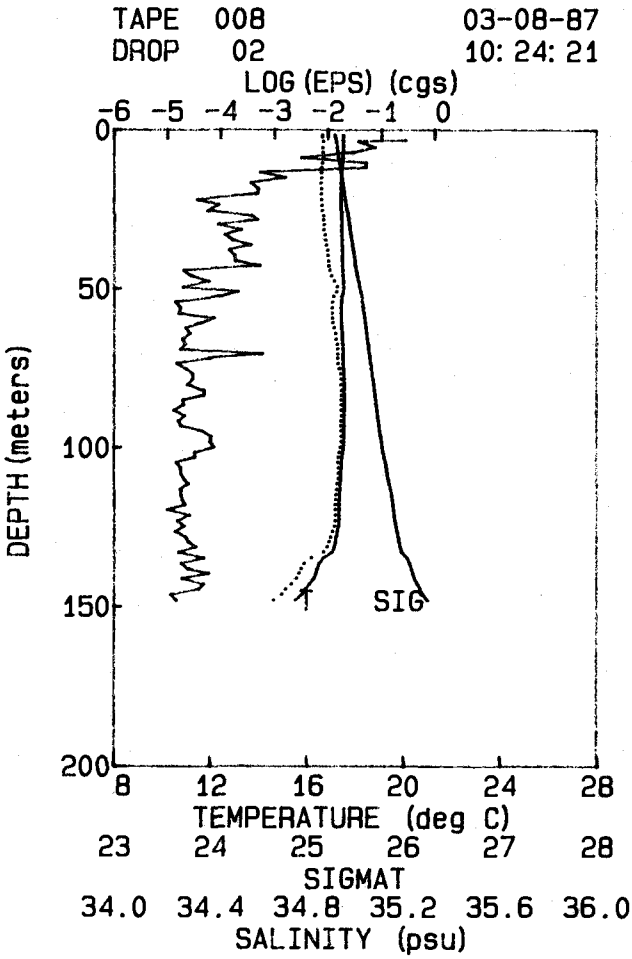
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
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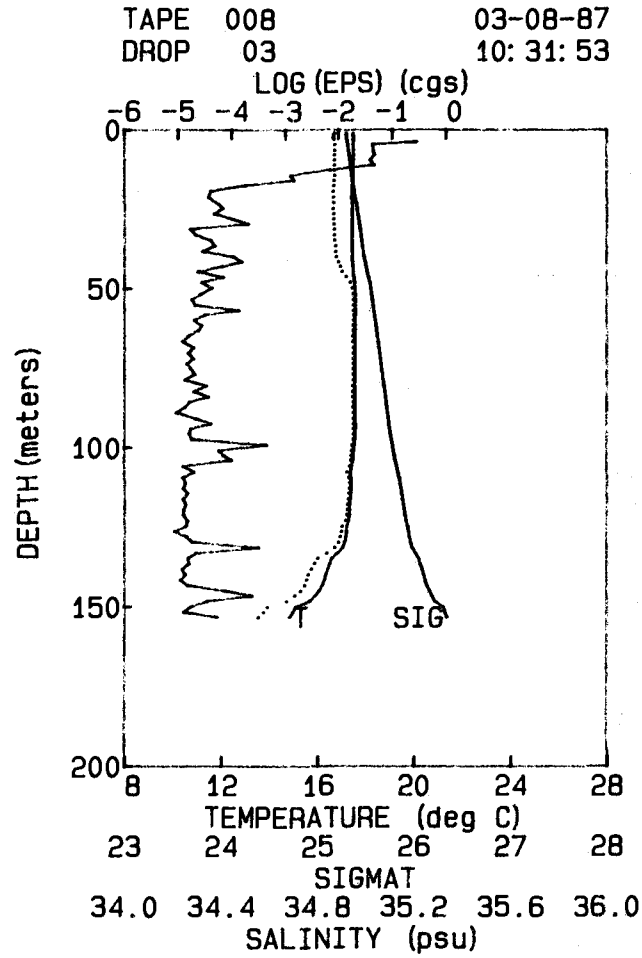
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
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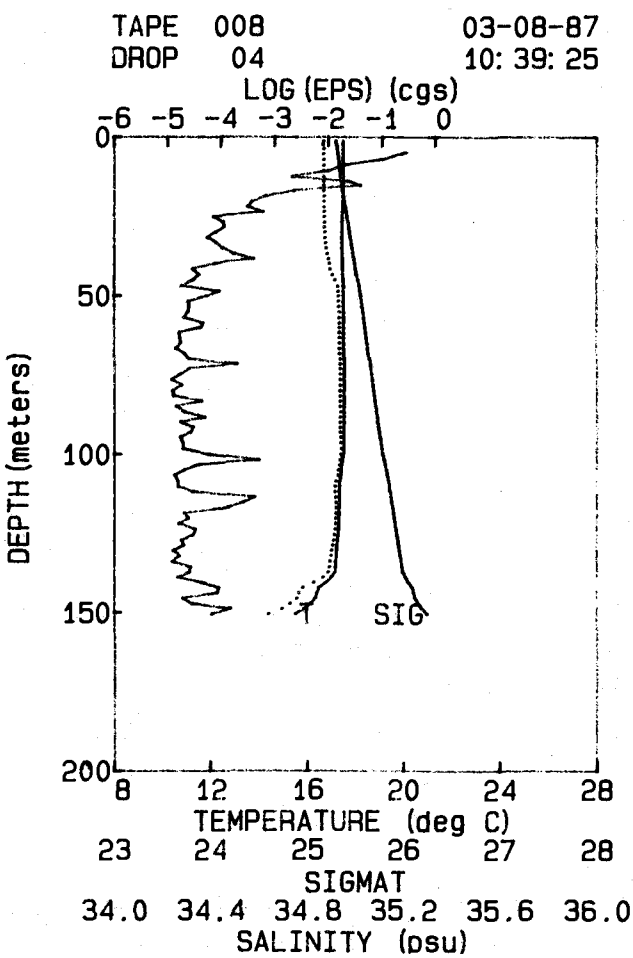
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03-08-87
10: 39: 25
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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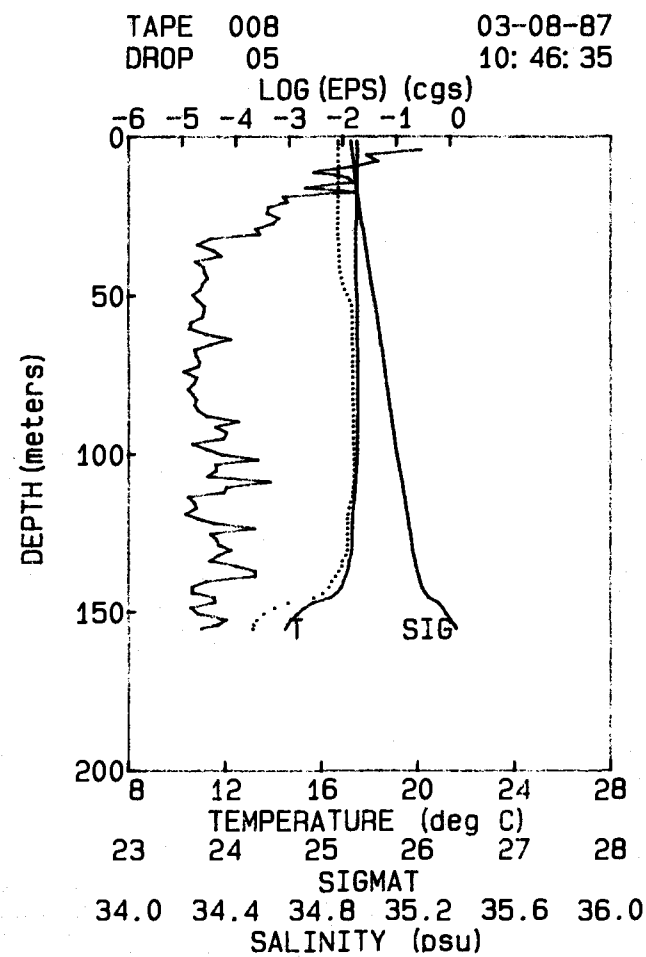
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
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100
150
200
SIG
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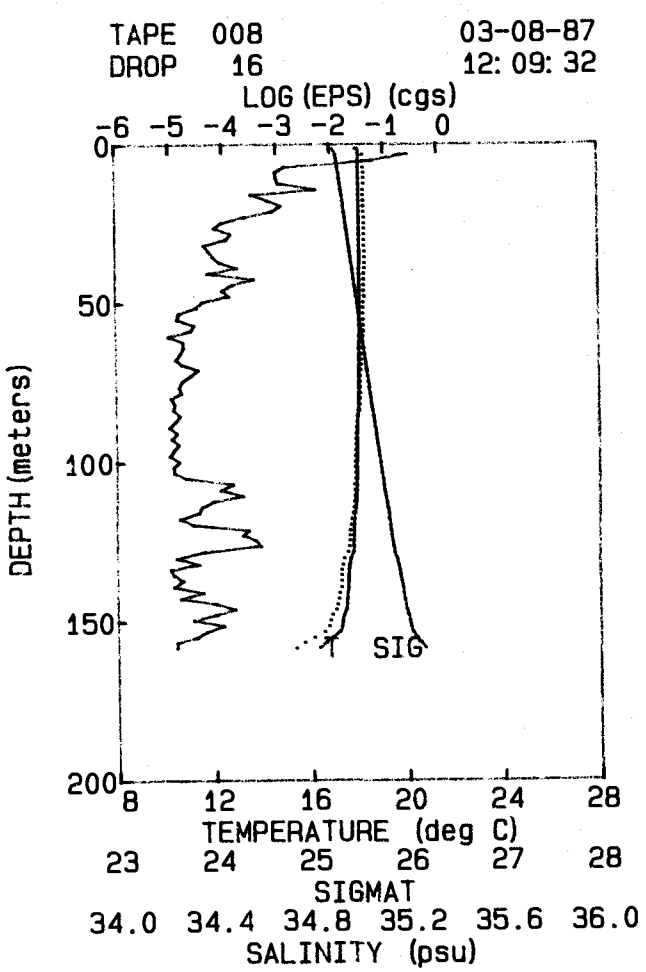
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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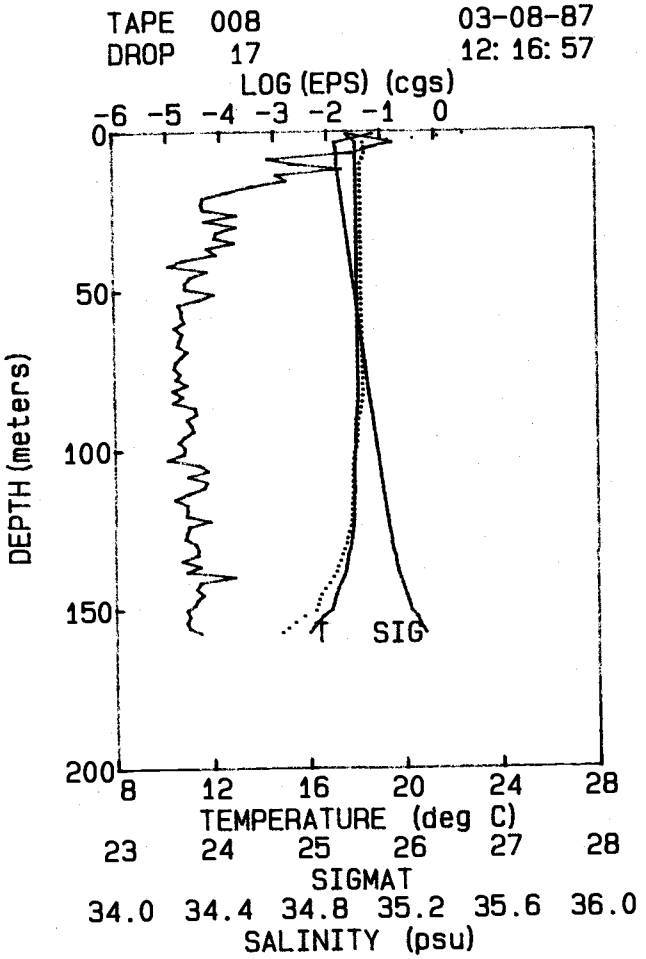
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 008
DROP 17
03-08-87
12: 16: 57
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
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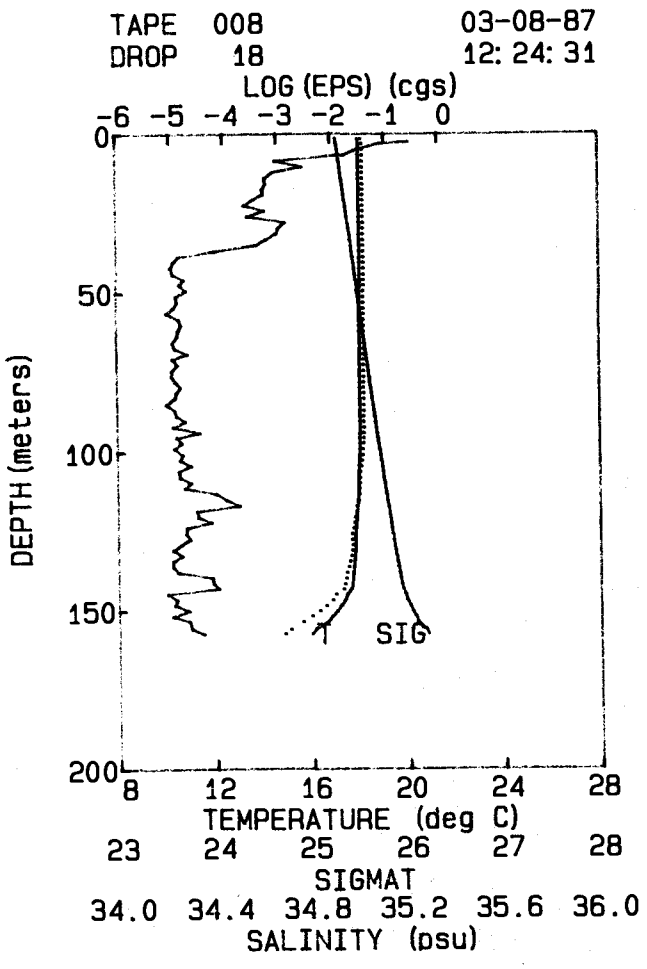
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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12: 24: 31
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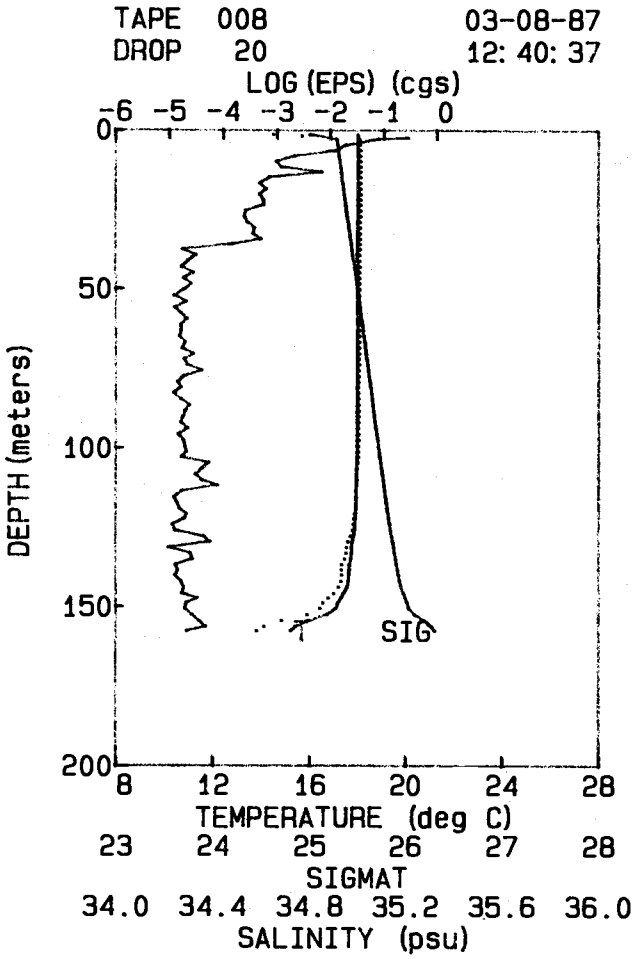
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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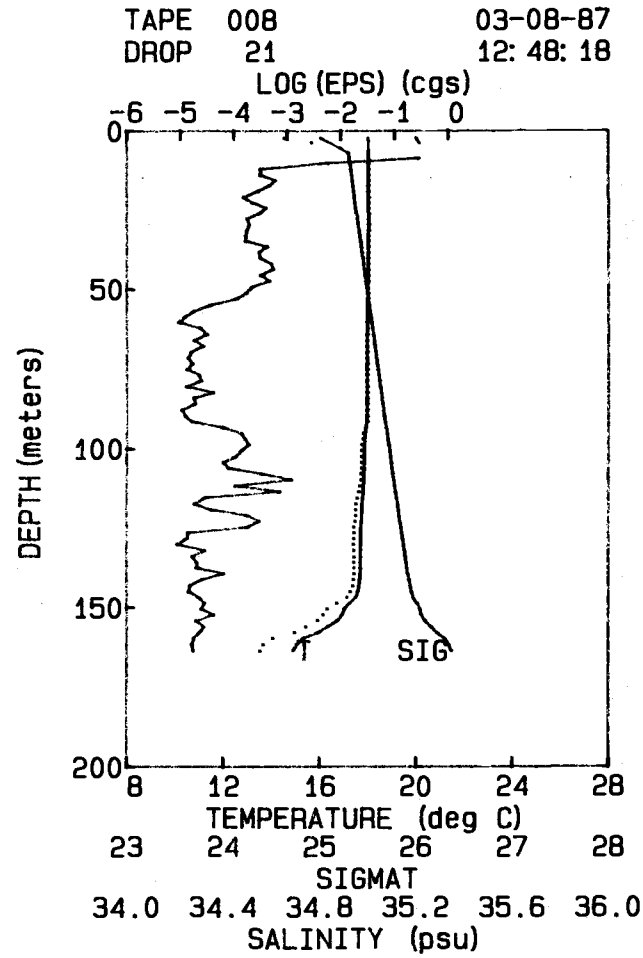
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-08-87
12: 48: 18
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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TEMPERATURE (deg C)
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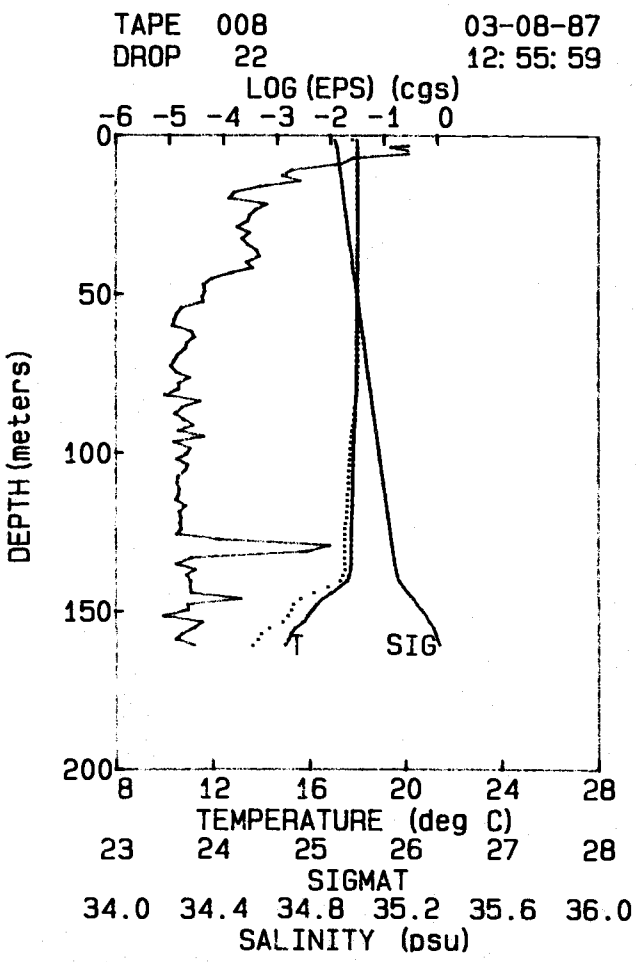
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 22
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12: 55: 59
LOG (EPS) (cgs)
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0
50
100
150
200
SIG
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TEMPERATURE (deg C)
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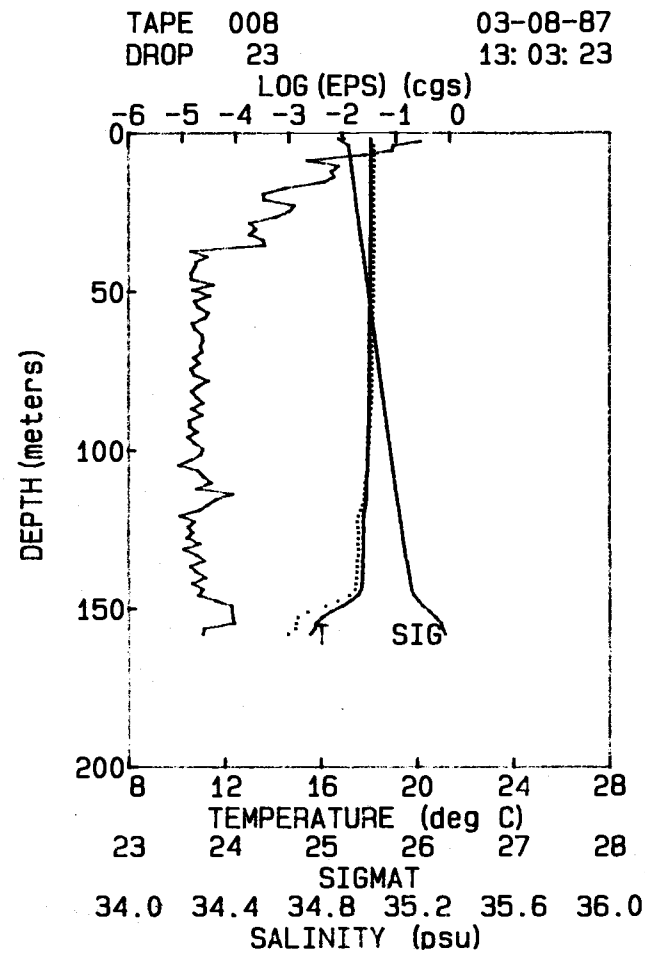
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 23
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13: 03: 23
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DEPTH (meters)
0
50
100
150
200
SIG
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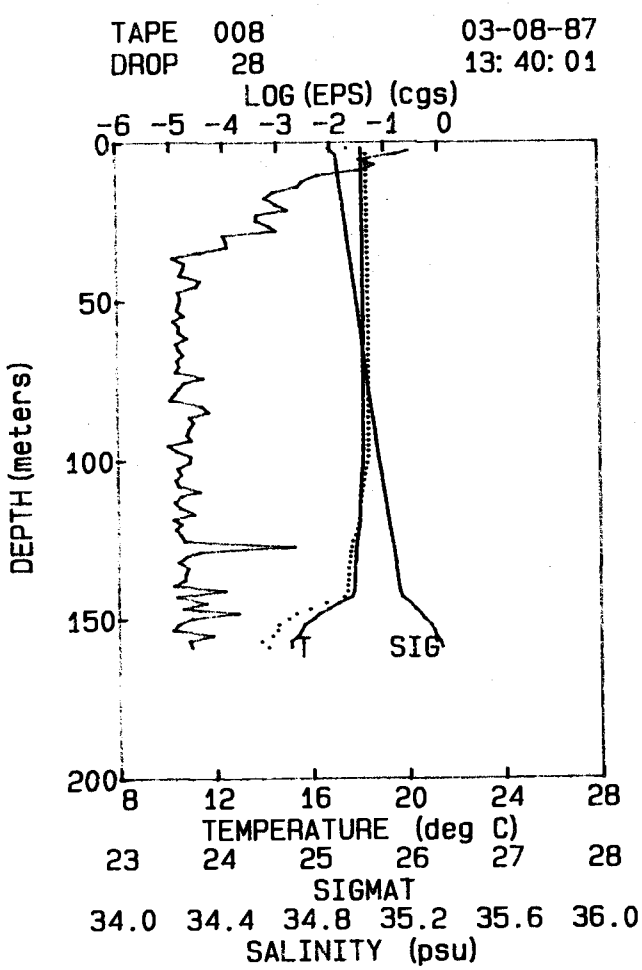
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-08-87
13: 40: 01
LOG (EPS) (cgs)
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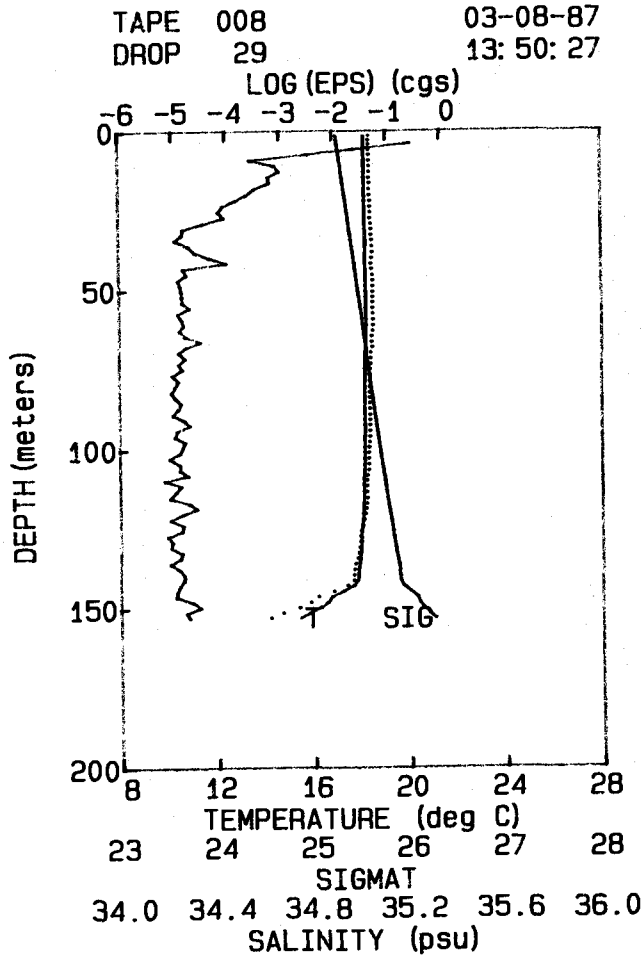
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
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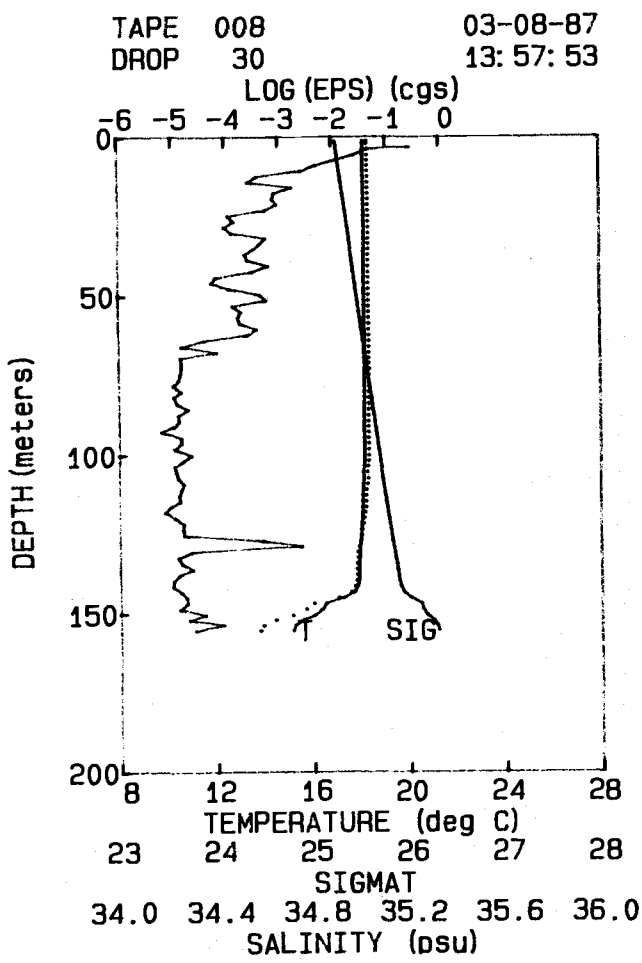
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13: 57: 53
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DEPTH (meters)
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50
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150
200
T
SIG
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TEMPERATURE (deg C)
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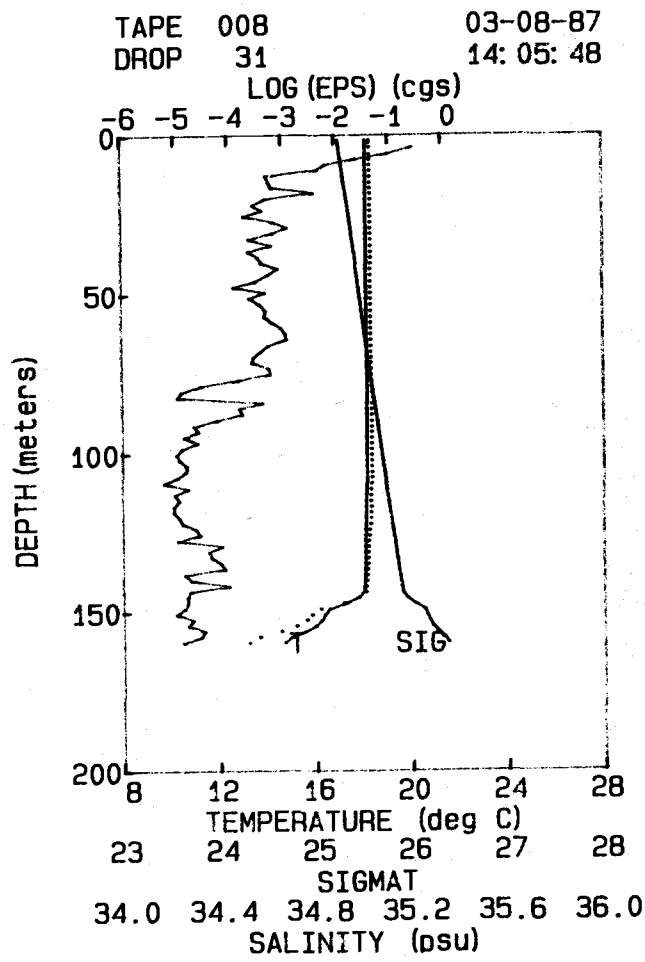
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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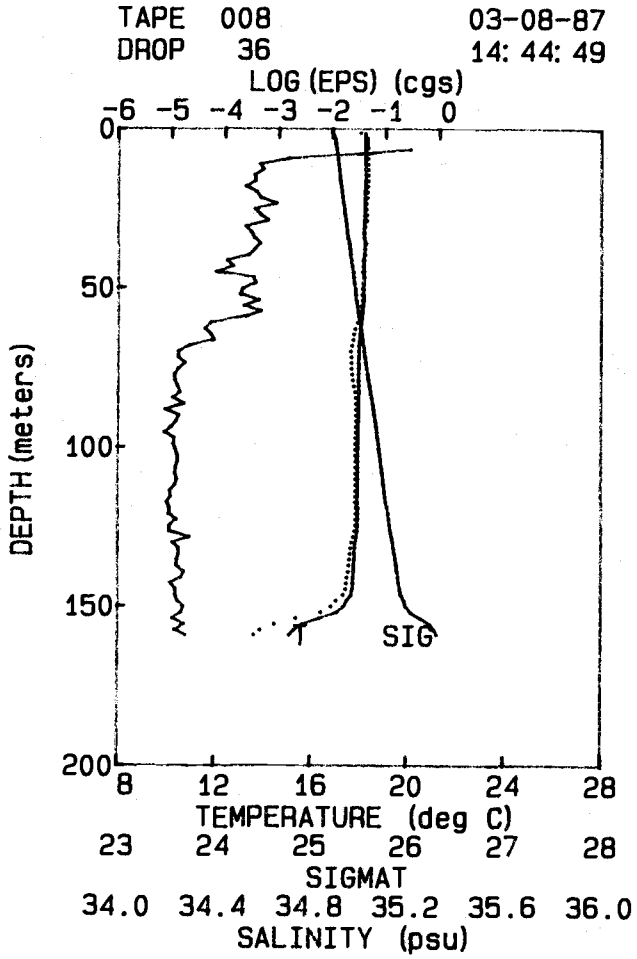
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150
200
SIG
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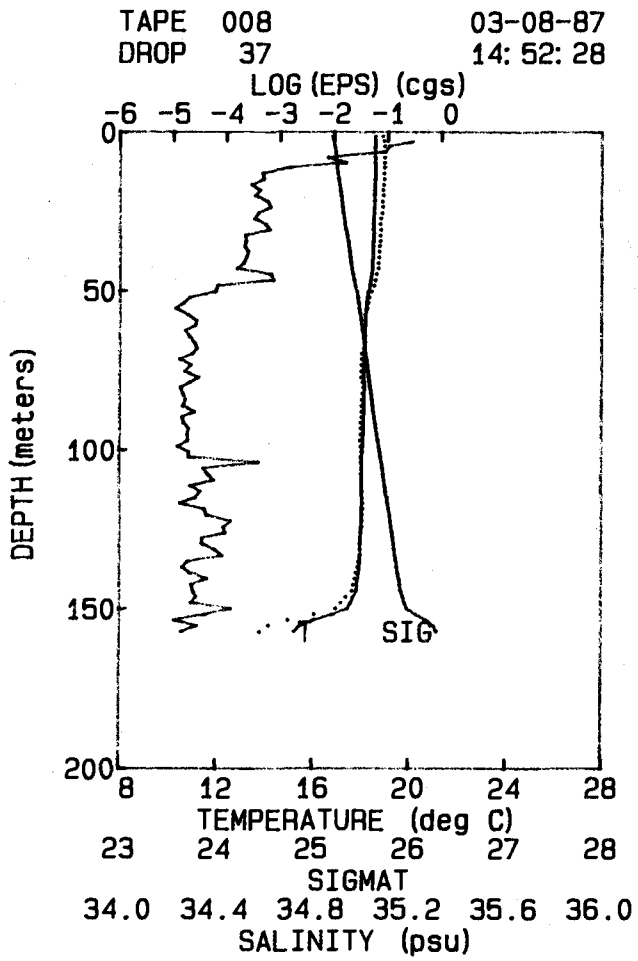
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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200
SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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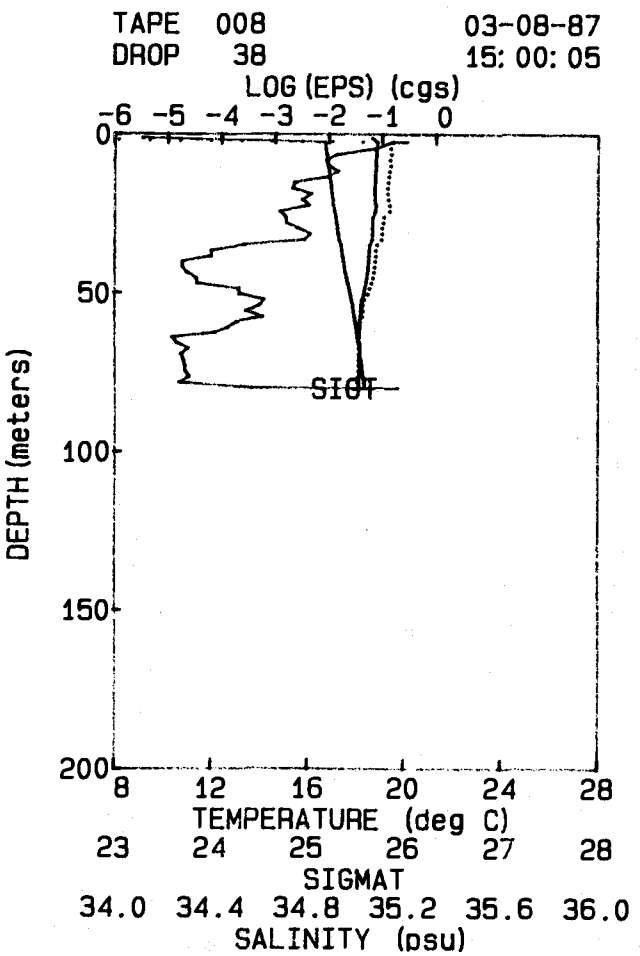
SALINITY (psu)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50
100
150
200
SIGT
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TEMPERATURE (deg C)
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SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
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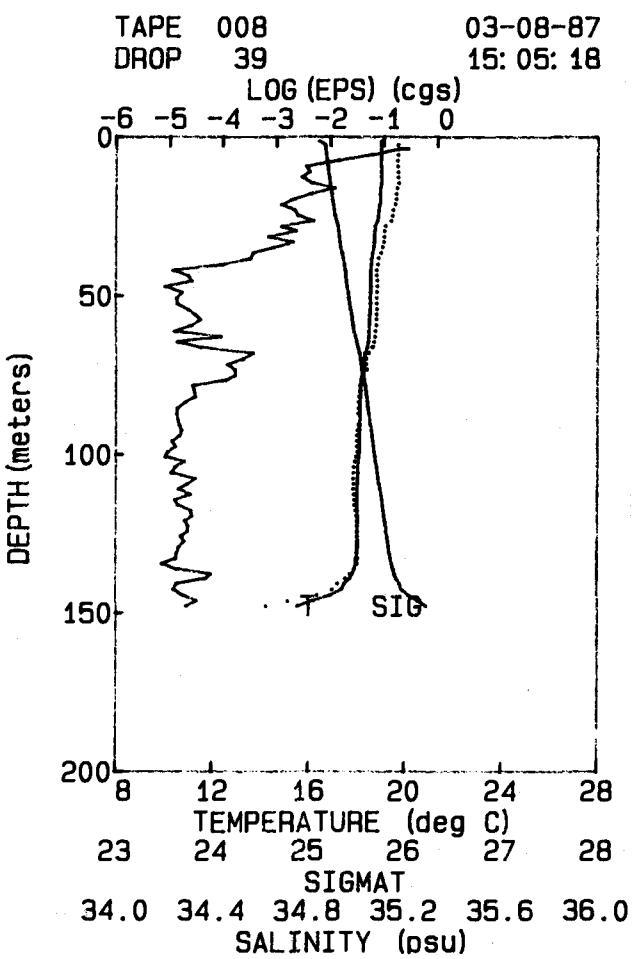
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100
150
200
SIG
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TEMPERATURE (deg C)
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SIGMAT
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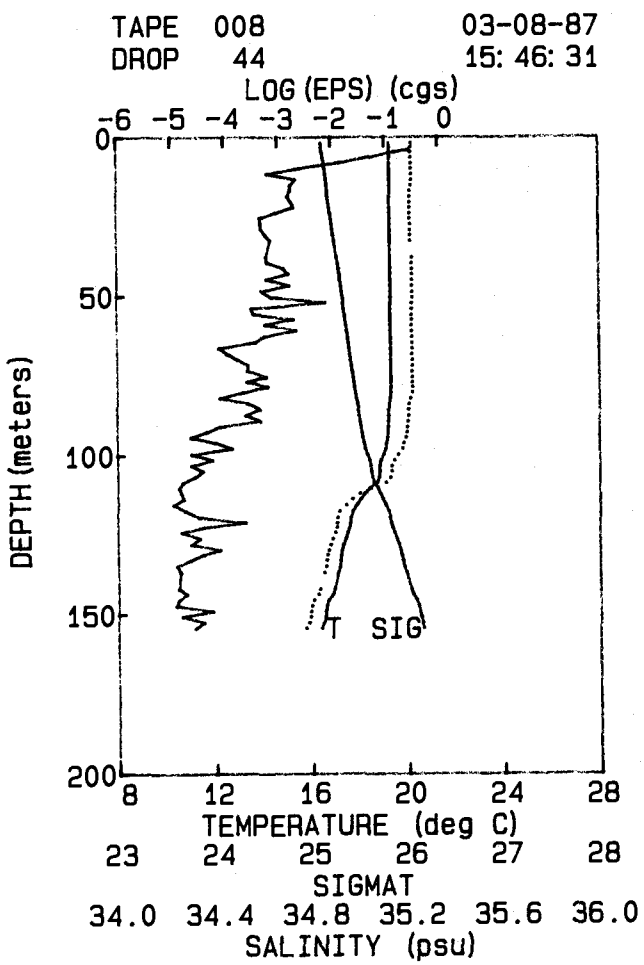
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DEPTH (meters)
0
50
100
150
200
T SIG
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TEMPERATURE (deg C)
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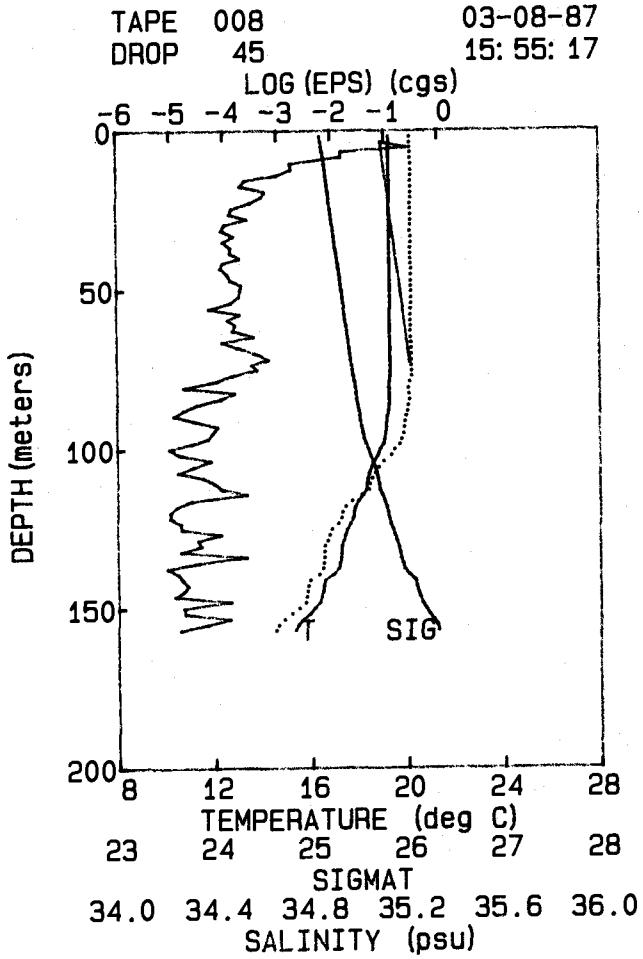
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
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SIGMAT
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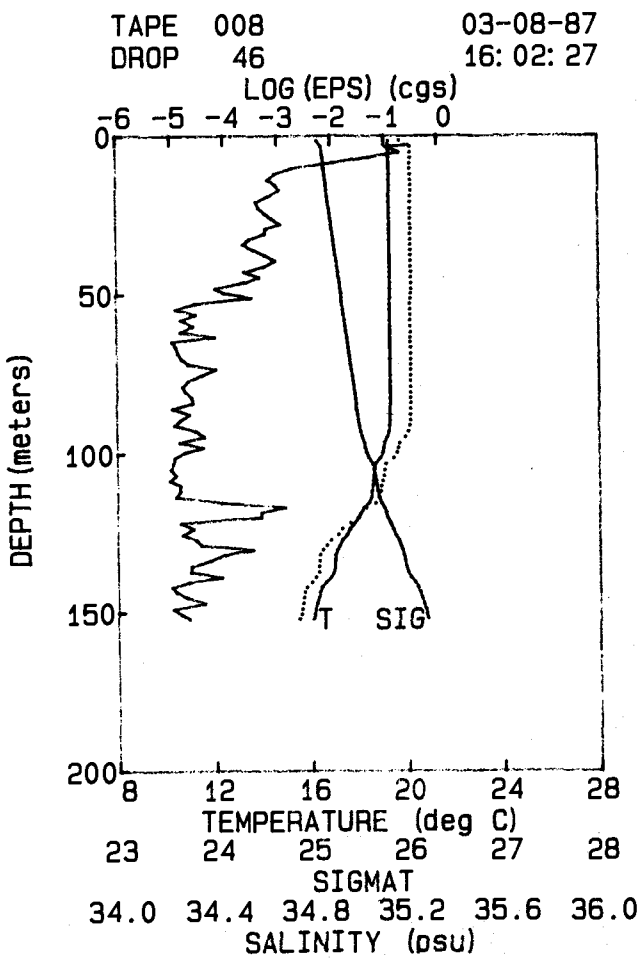
SALINITY (psu)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100
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200
T SIG
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TEMPERATURE (deg C)
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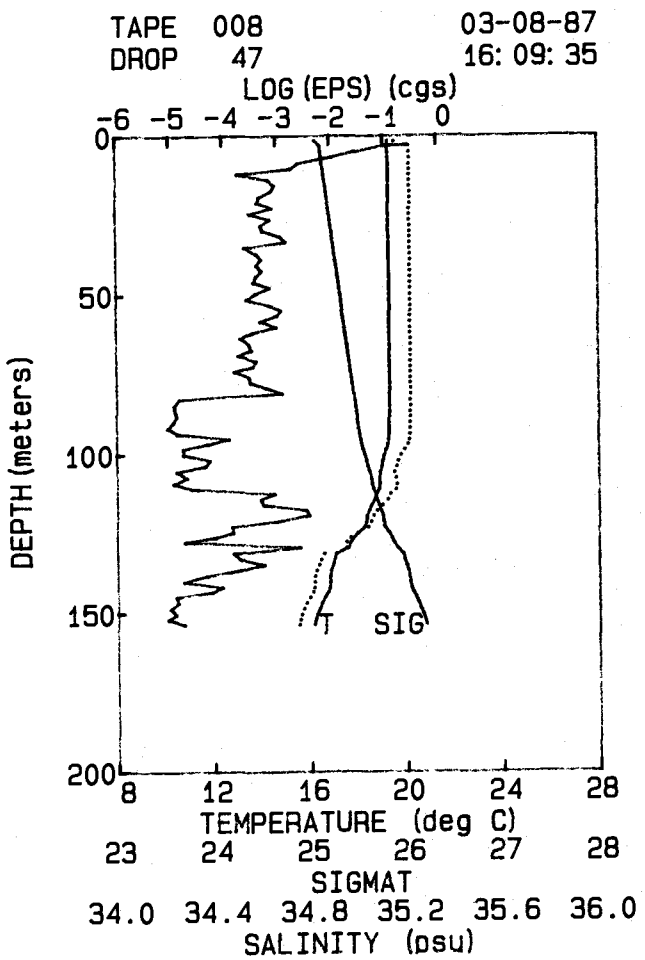
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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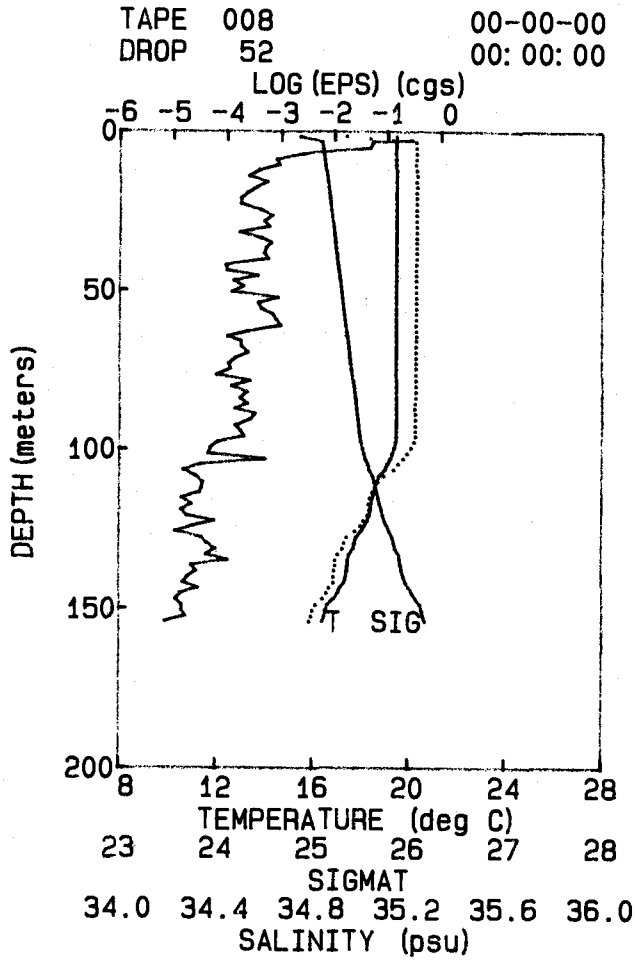
16: 09: 35
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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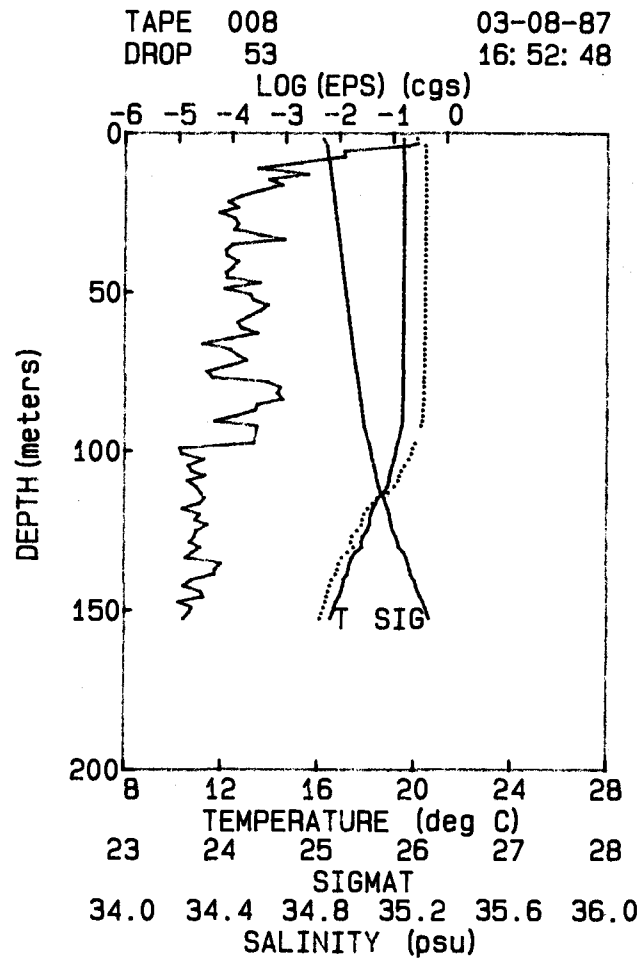
00: 00: 00
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-08-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T SIG
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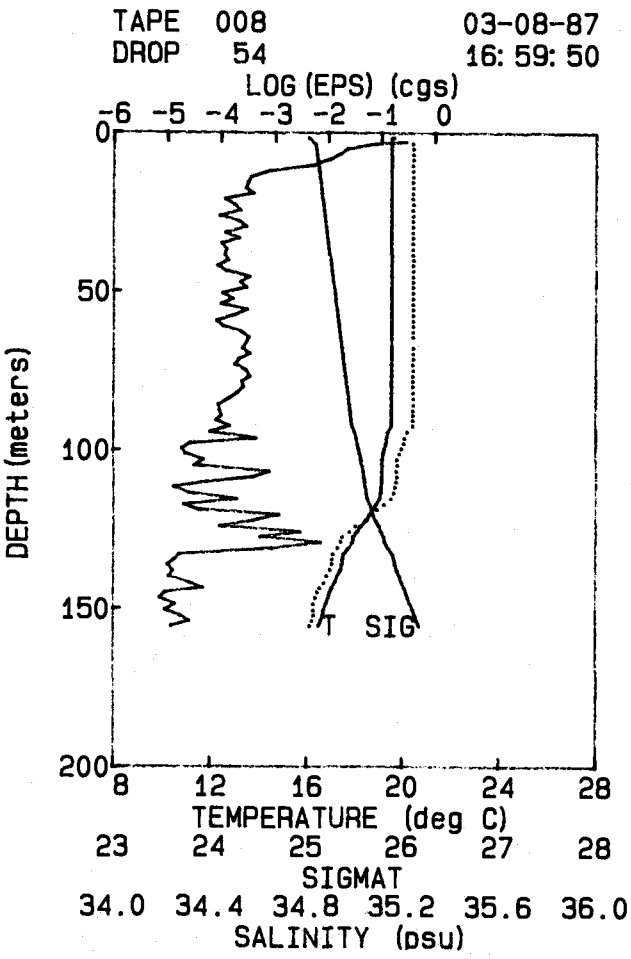
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T SIG
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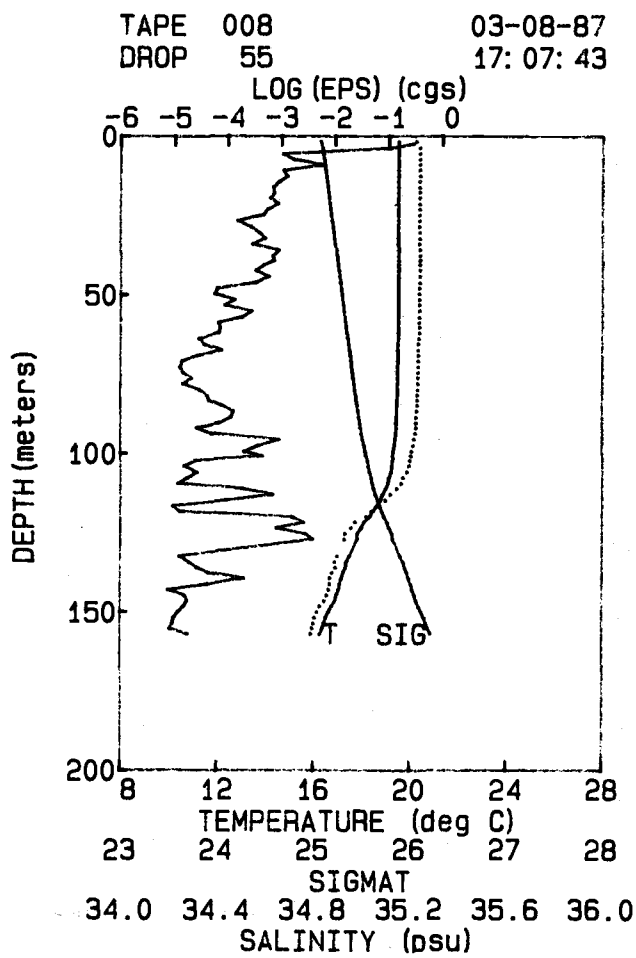
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T SIG
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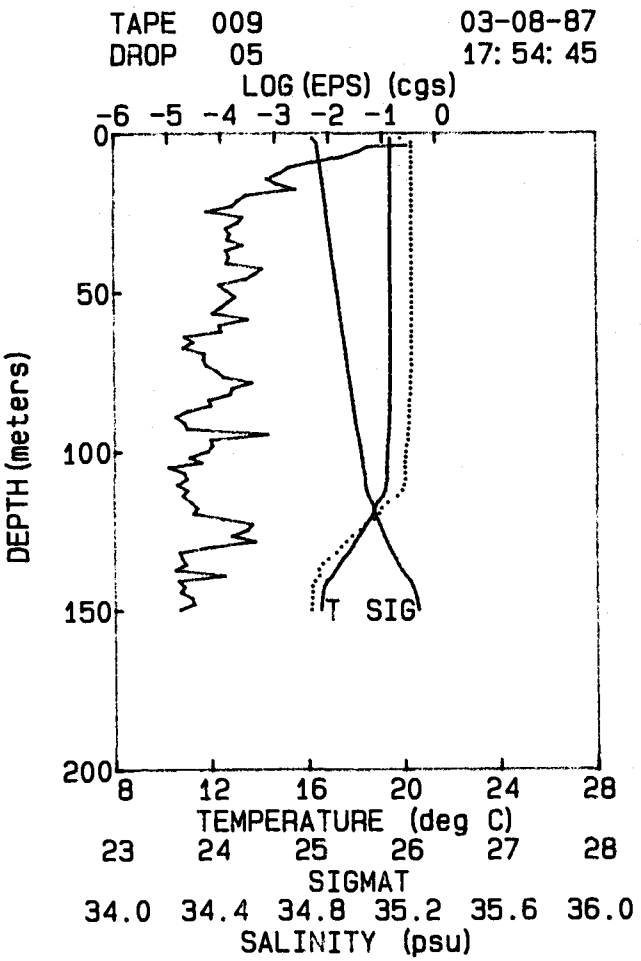
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
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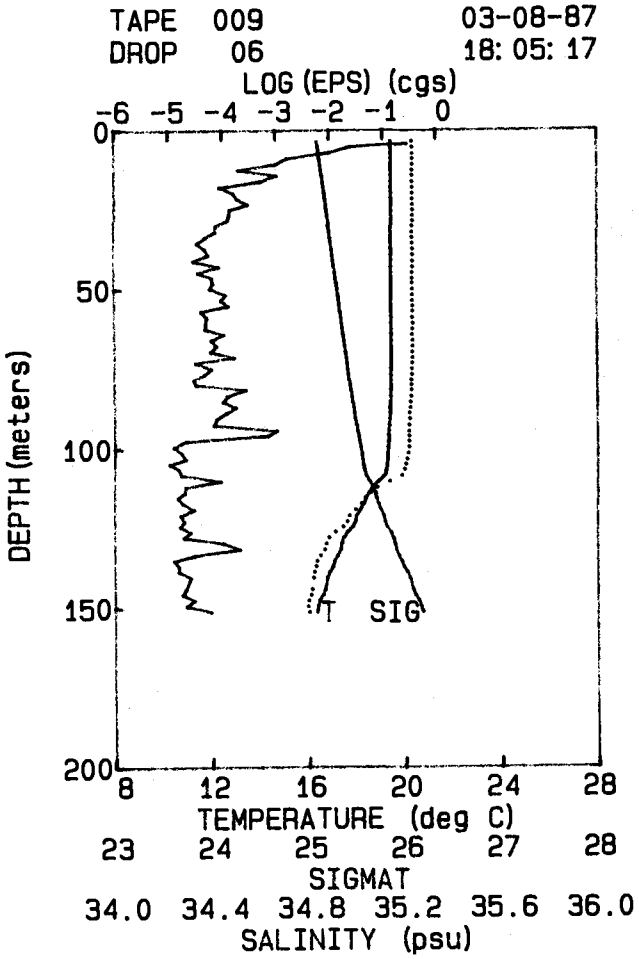
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
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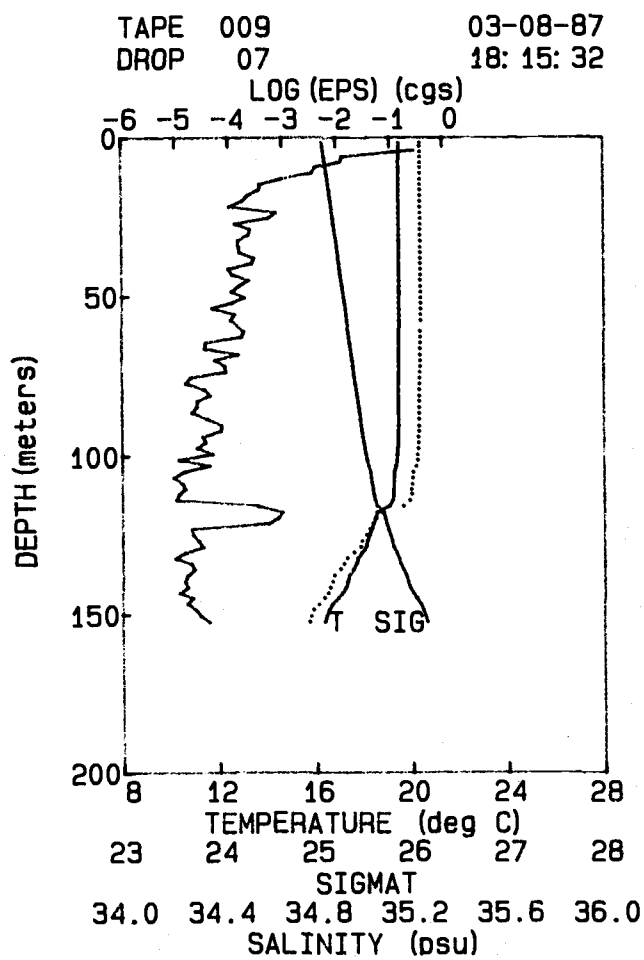
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
T SIG
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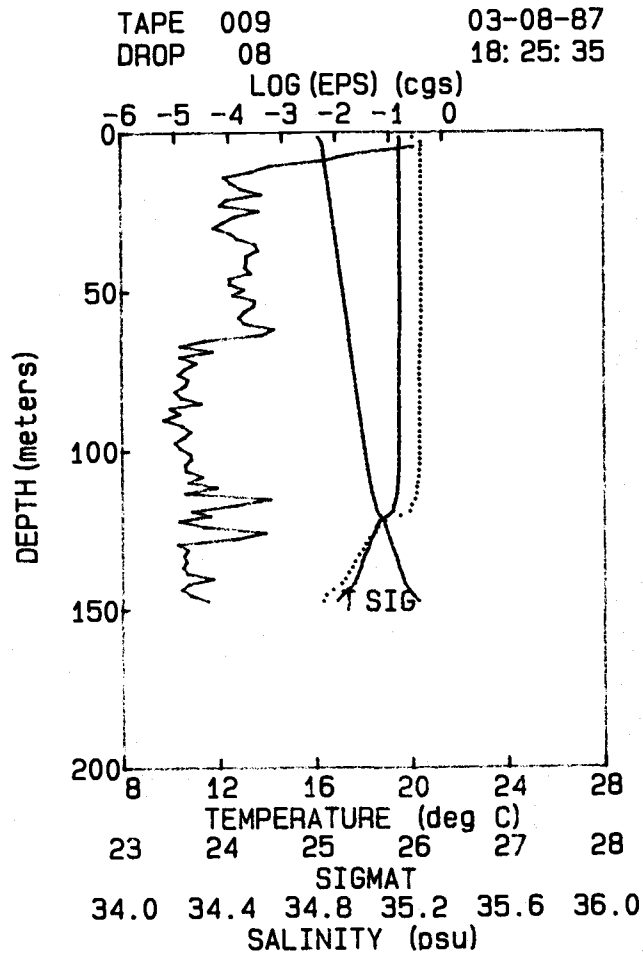
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T SIG
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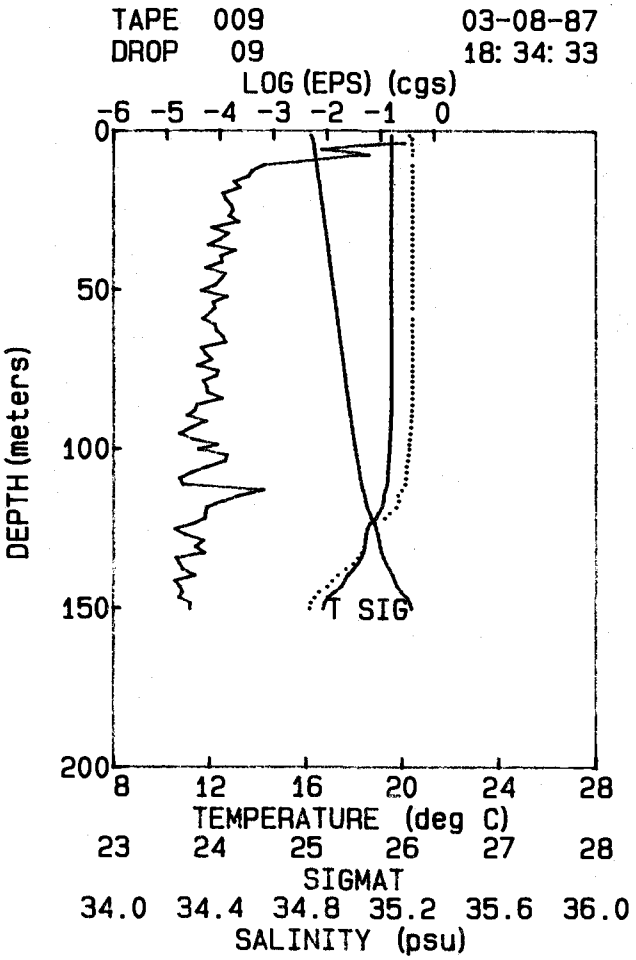
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
T SIG
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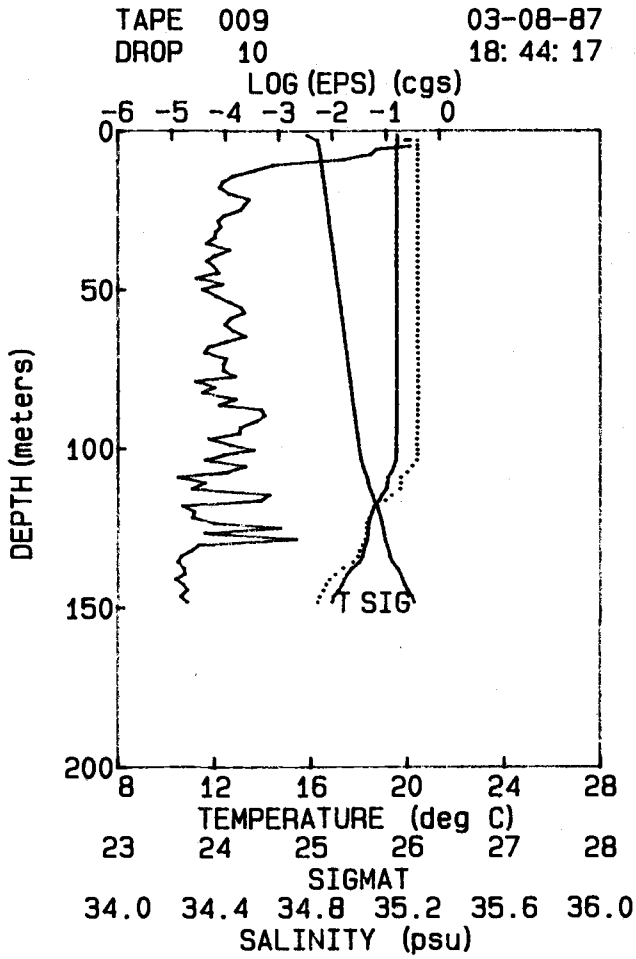
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
T SIG
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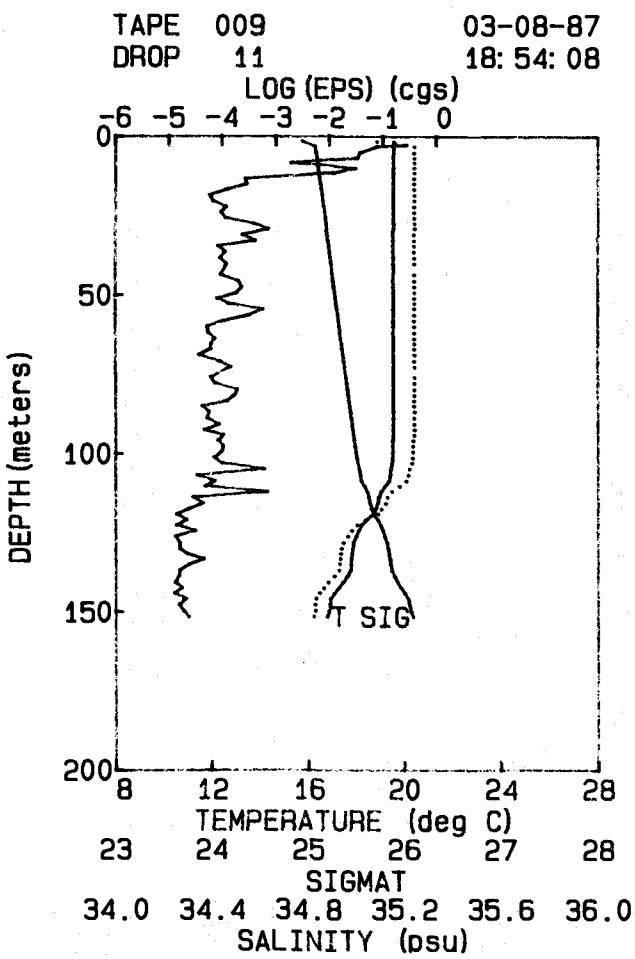
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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100
150
200
T SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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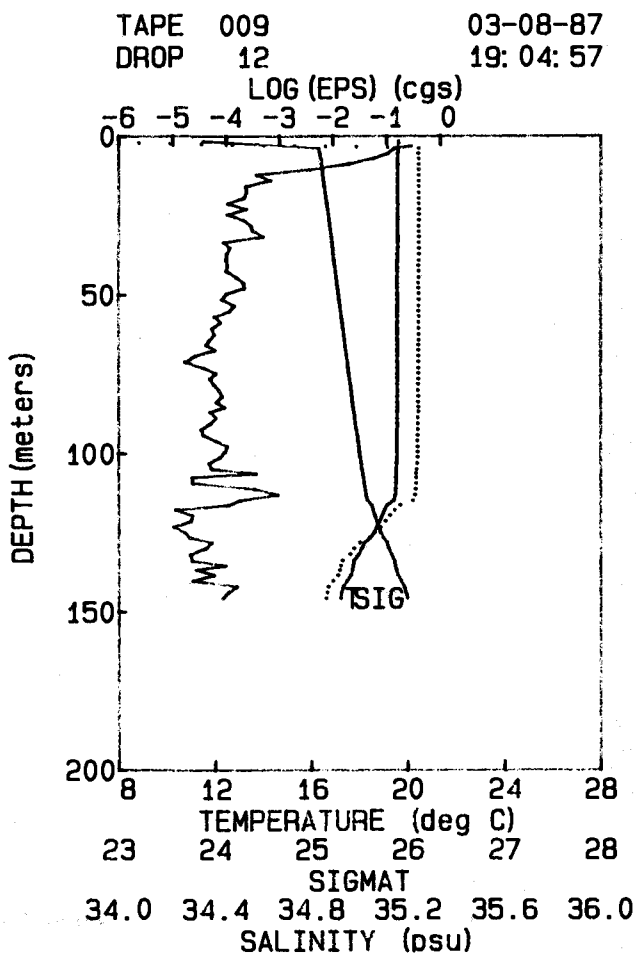
SALINITY (psu)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DROP 12
03-08-87
19: 04: 57
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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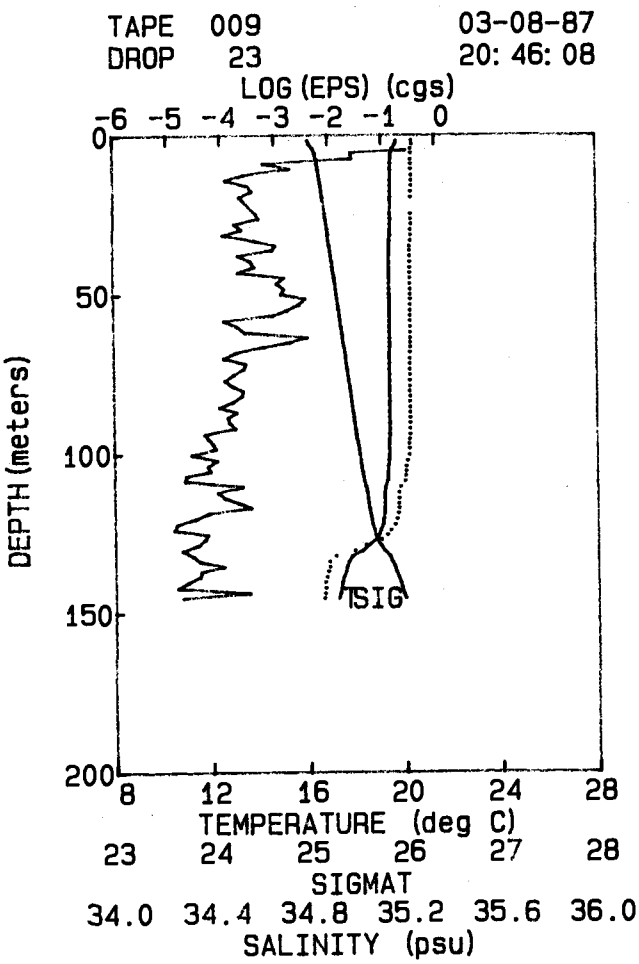
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T SIG
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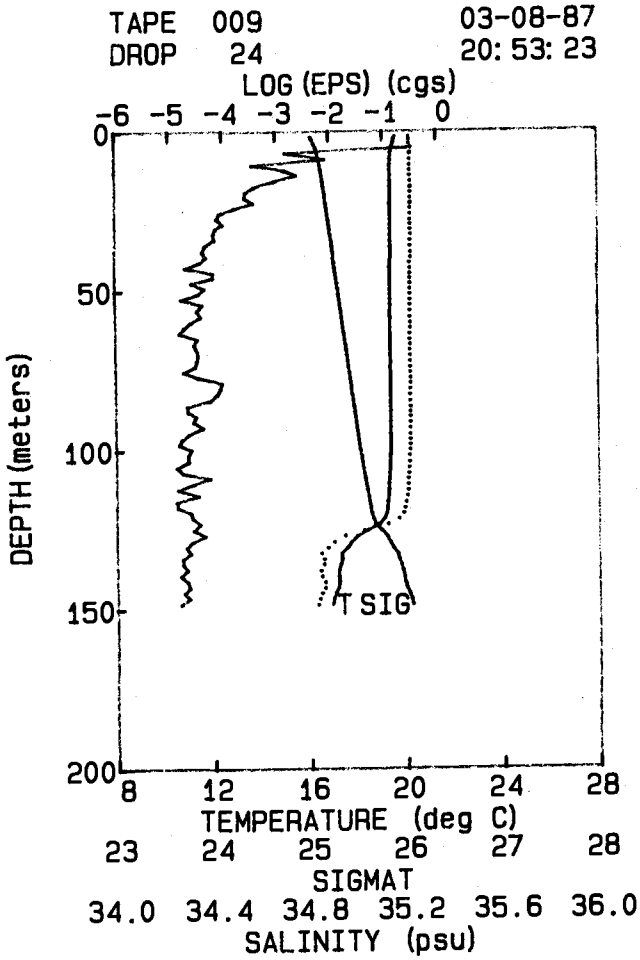
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
T SIG
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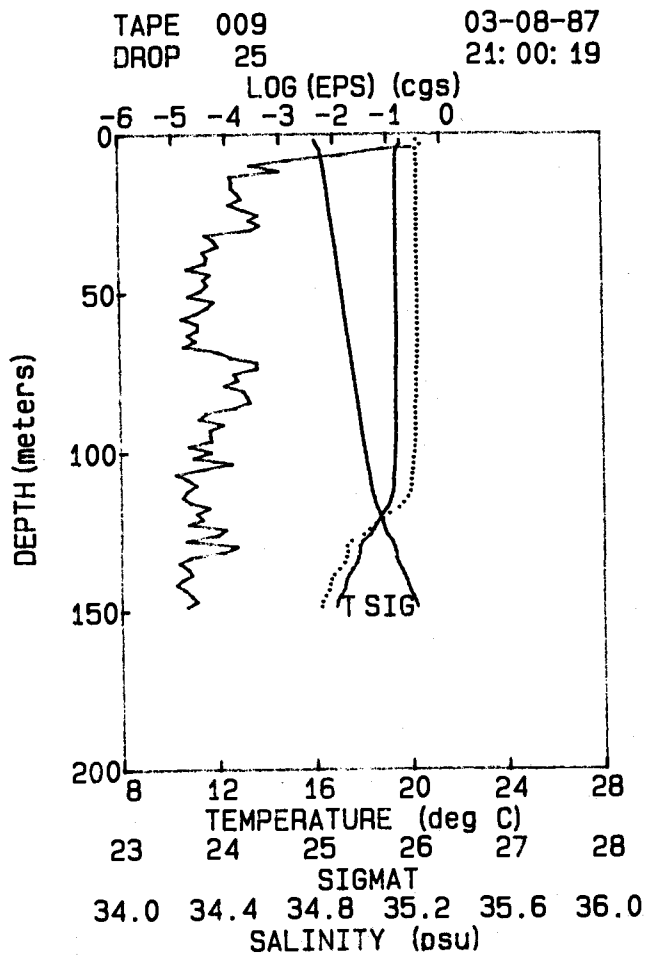
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T SIG
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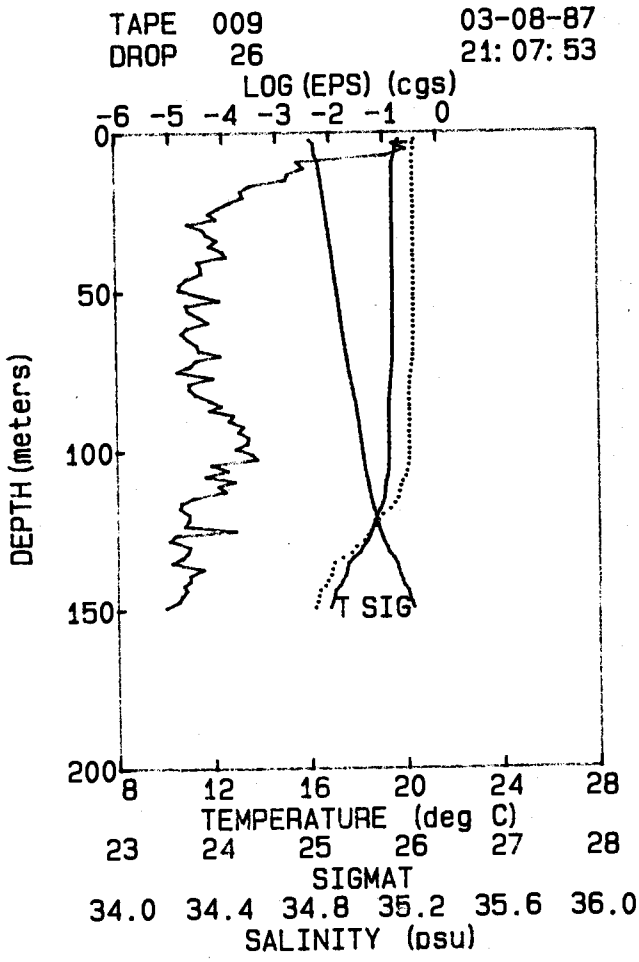
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-08-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T SIG
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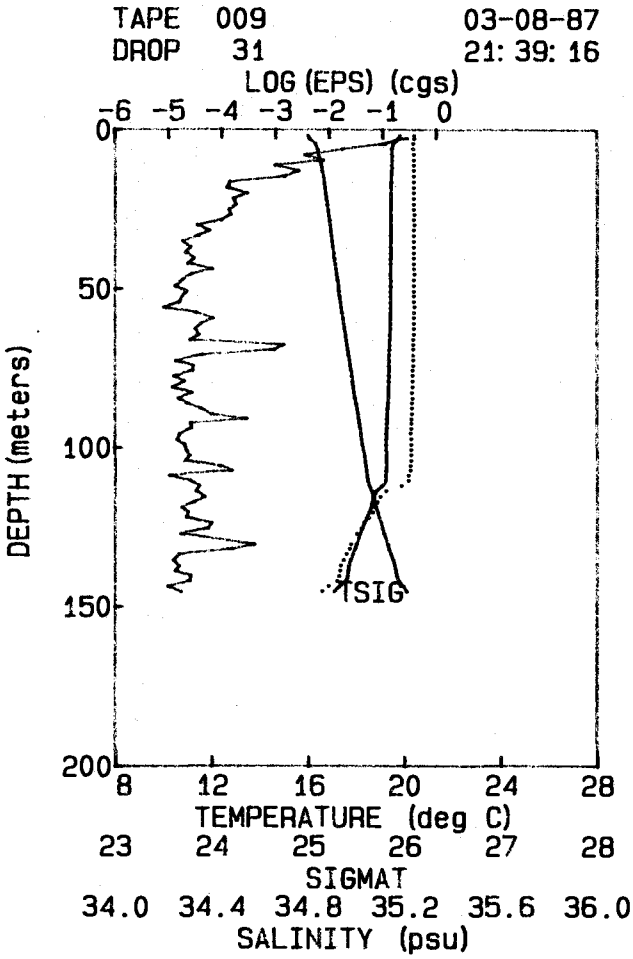
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
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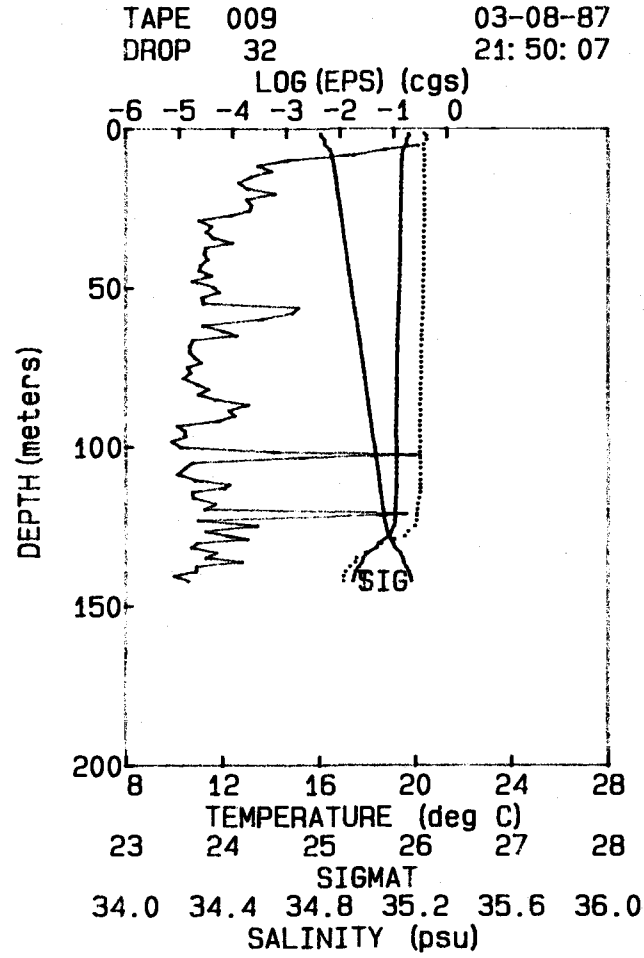
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
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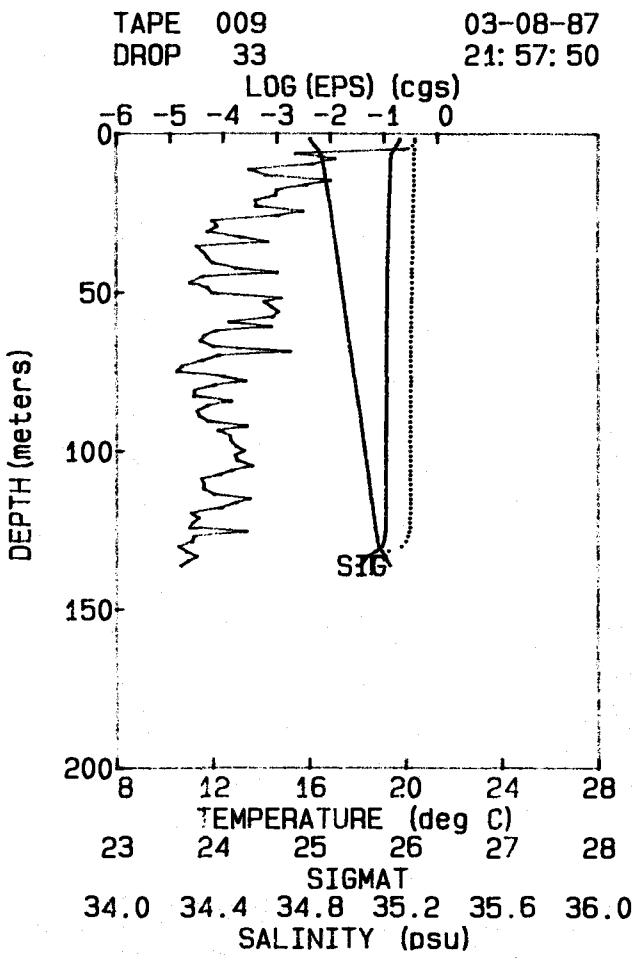
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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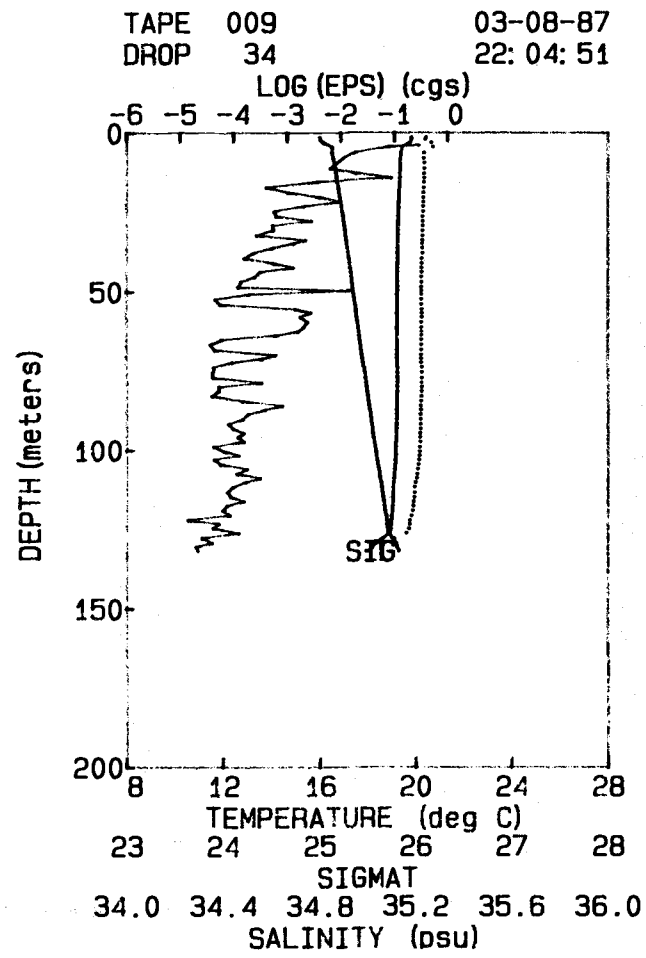
SALINITY (psu)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150
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SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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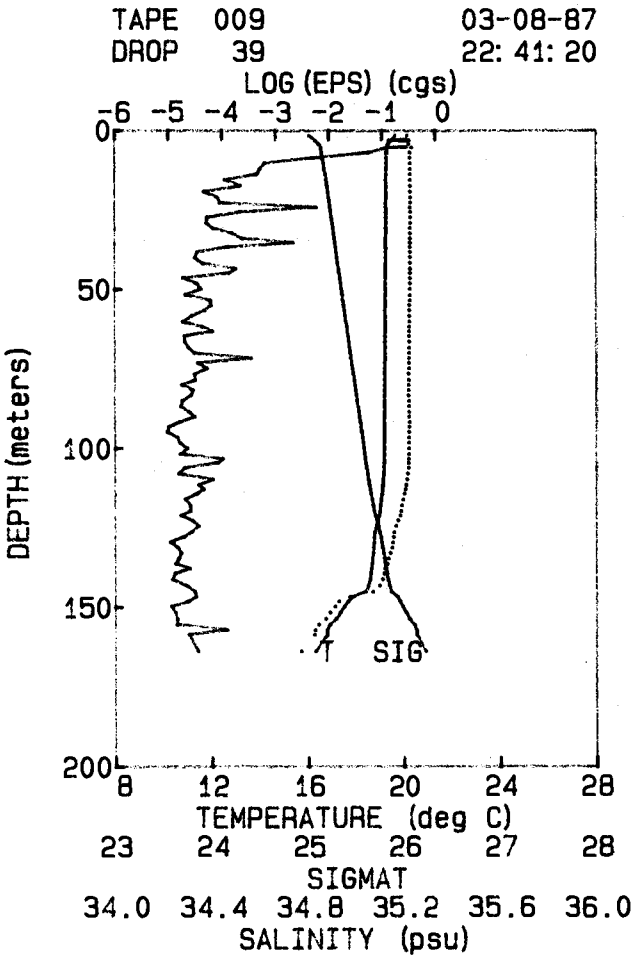
SALINITY (psu)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50
100
150
200
T
SIG
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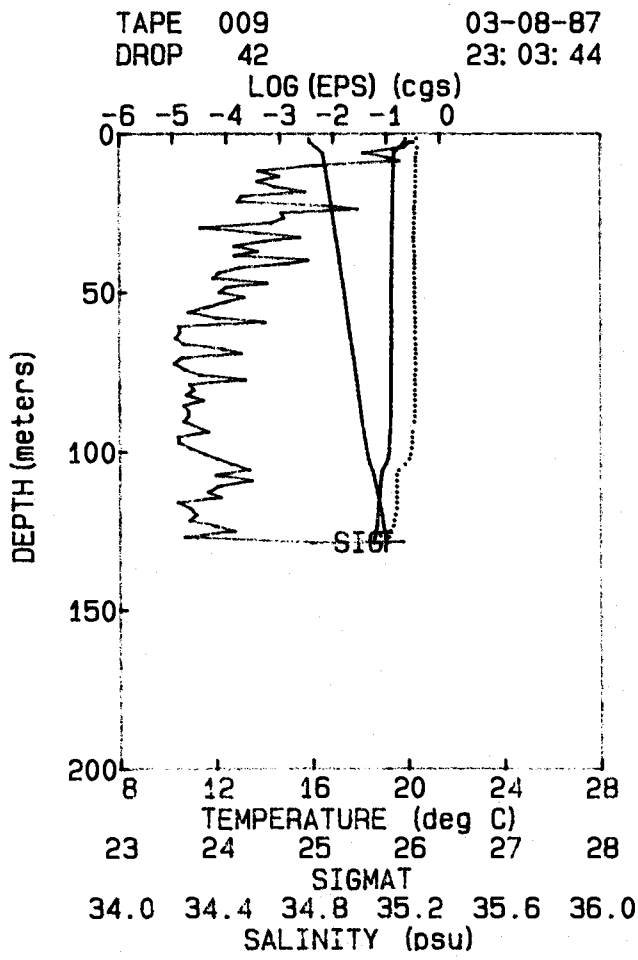
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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50
100
150
200
SIG
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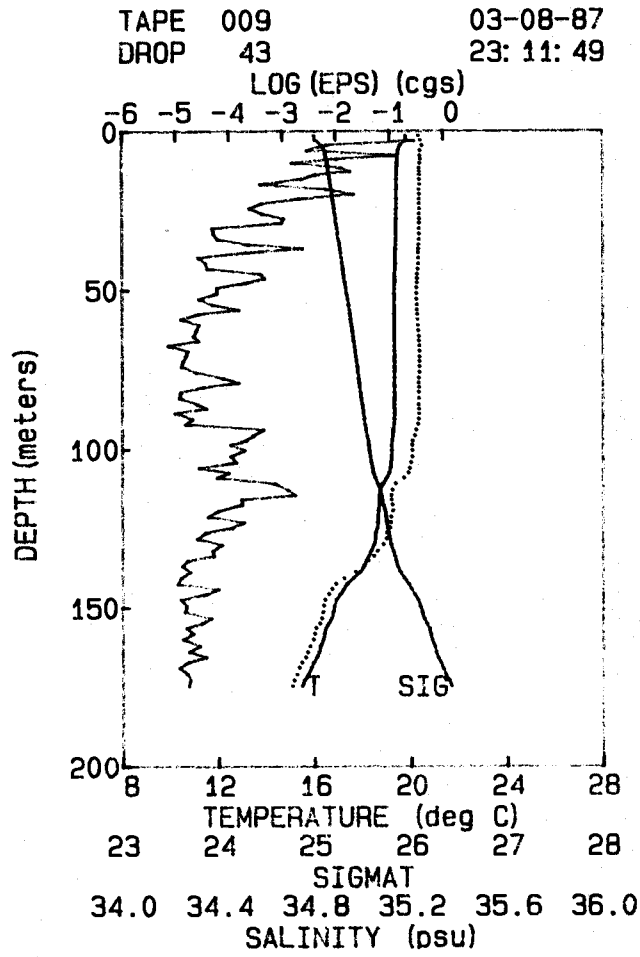
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 43
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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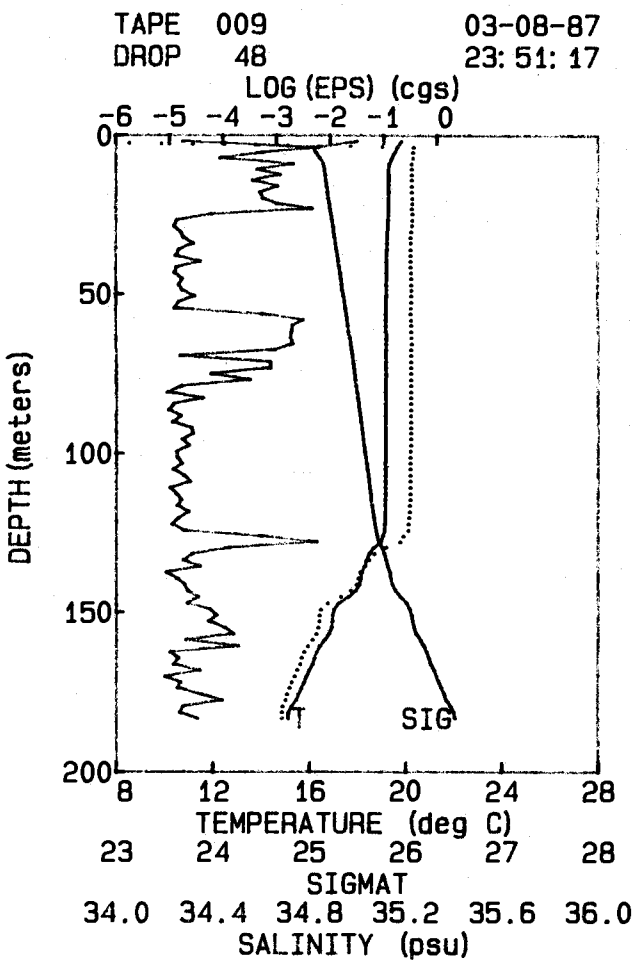
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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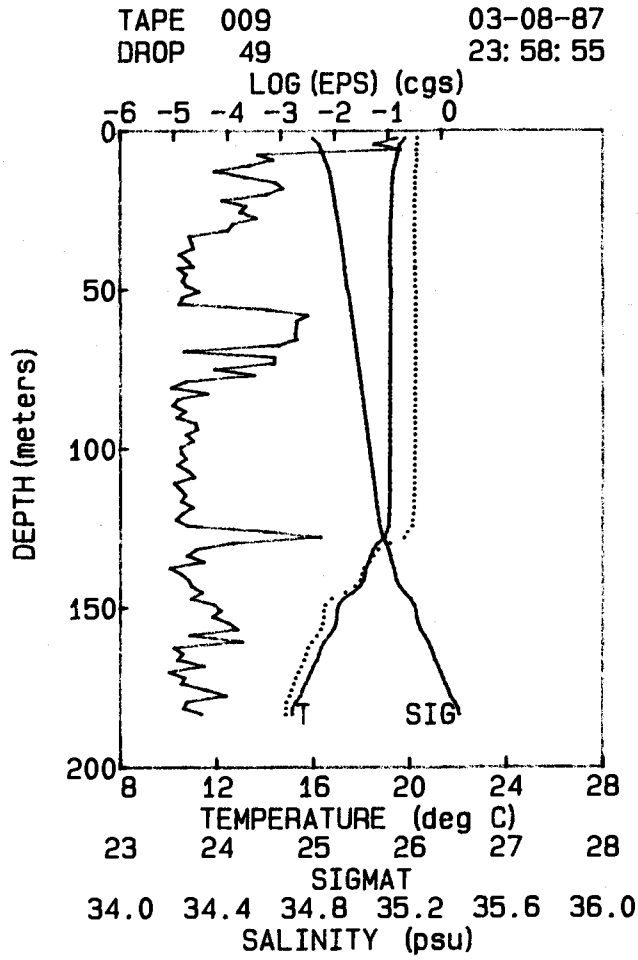
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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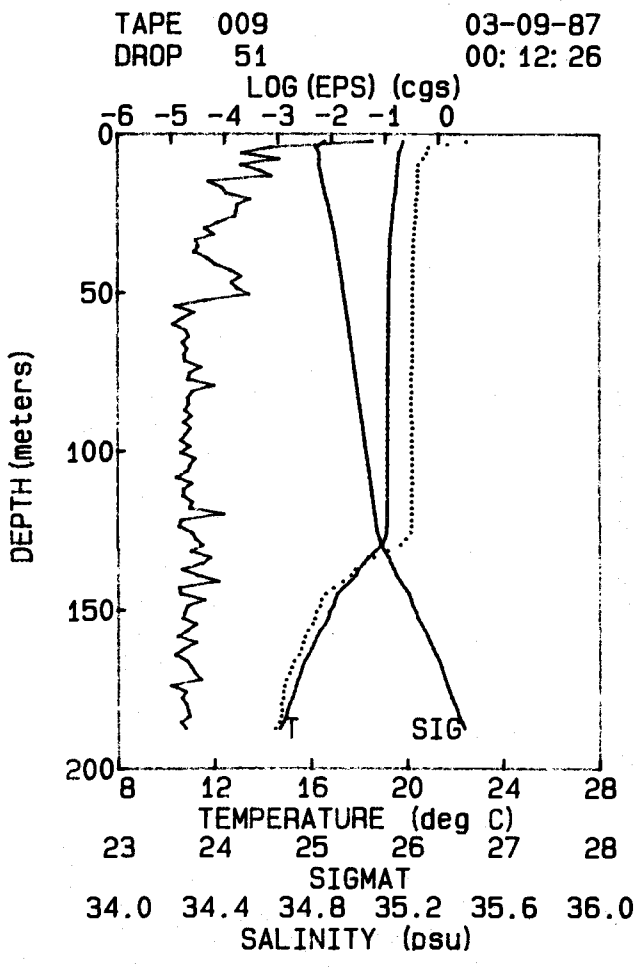
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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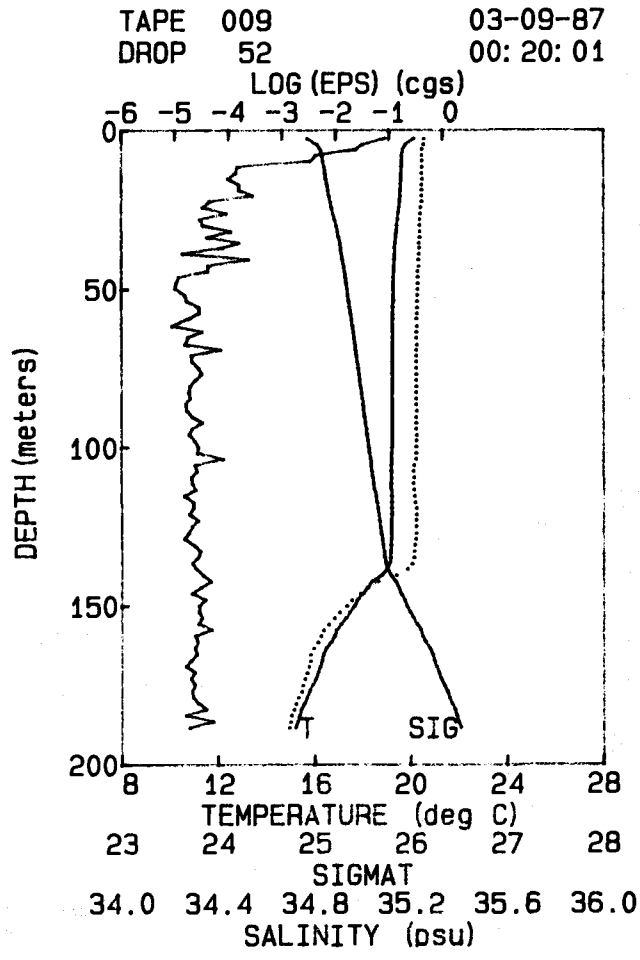
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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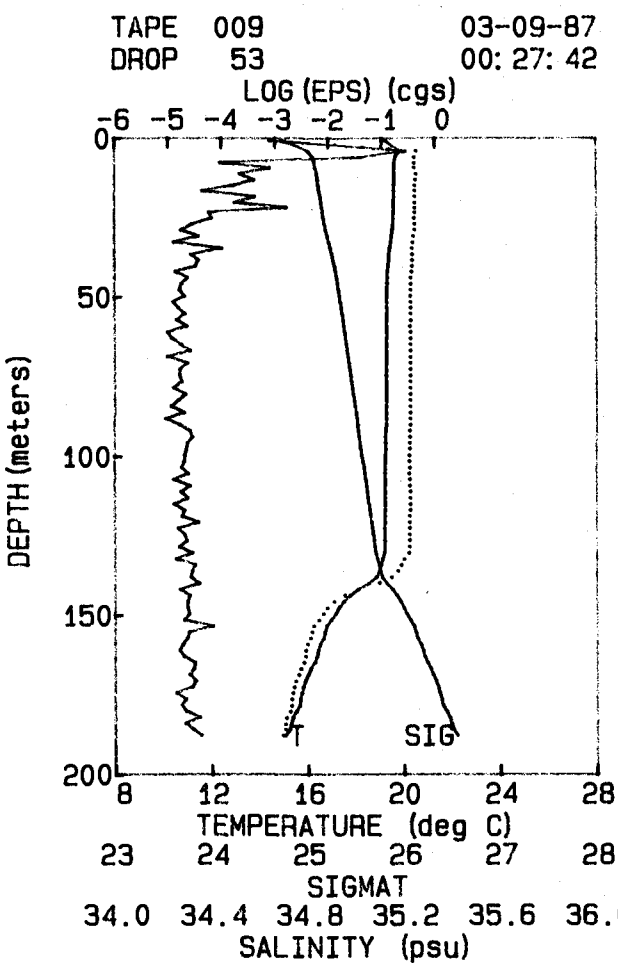
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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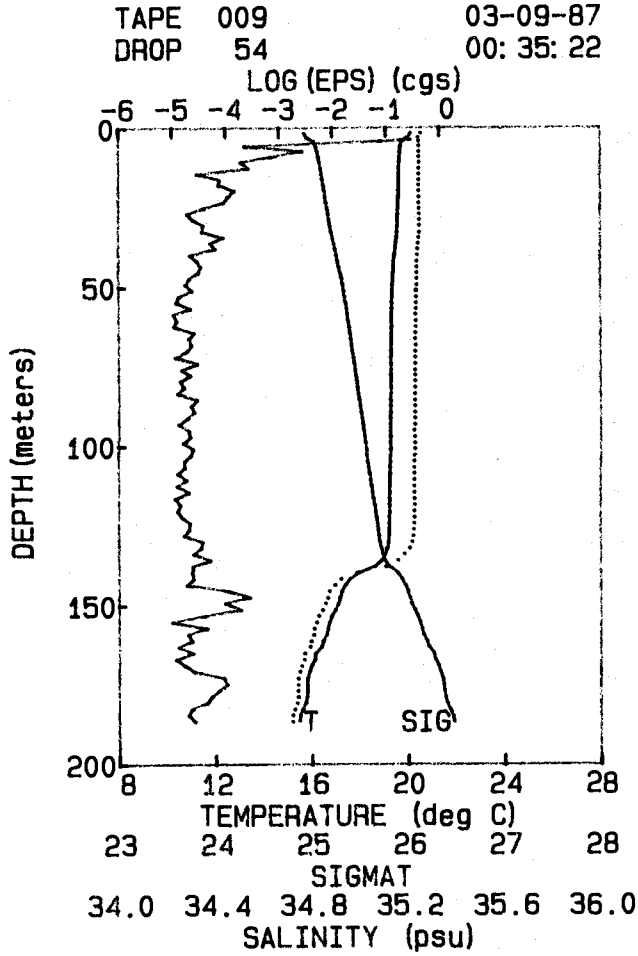
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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200
T
SIG
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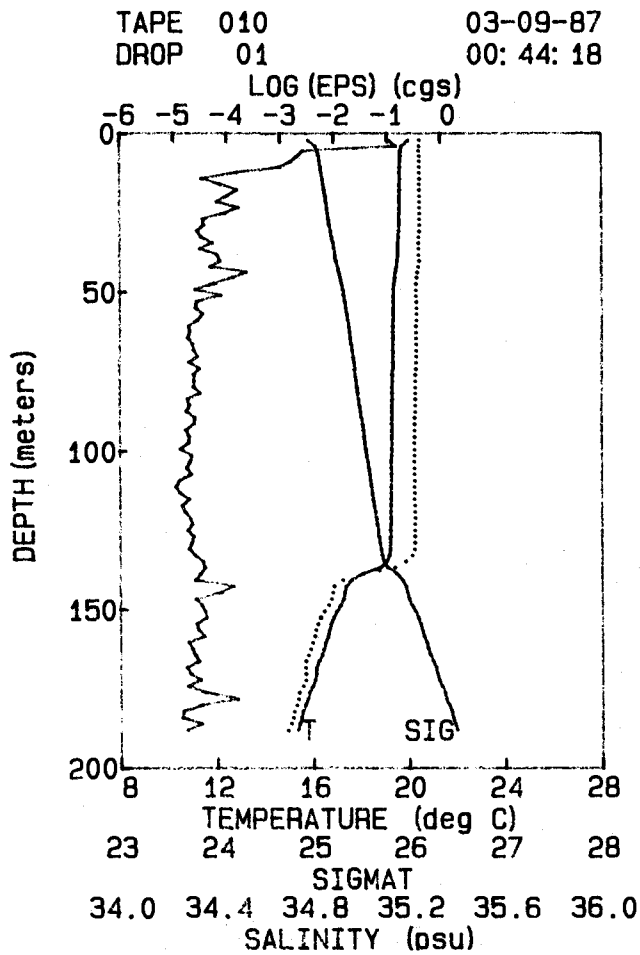
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-09-87
00: 44: 18
LOG (EPS) (cgs)
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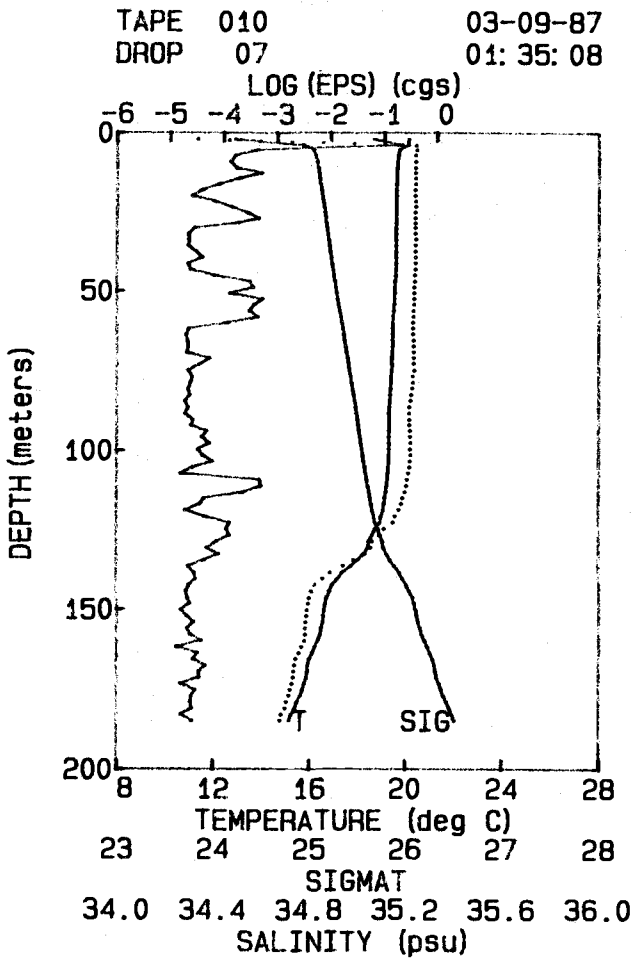
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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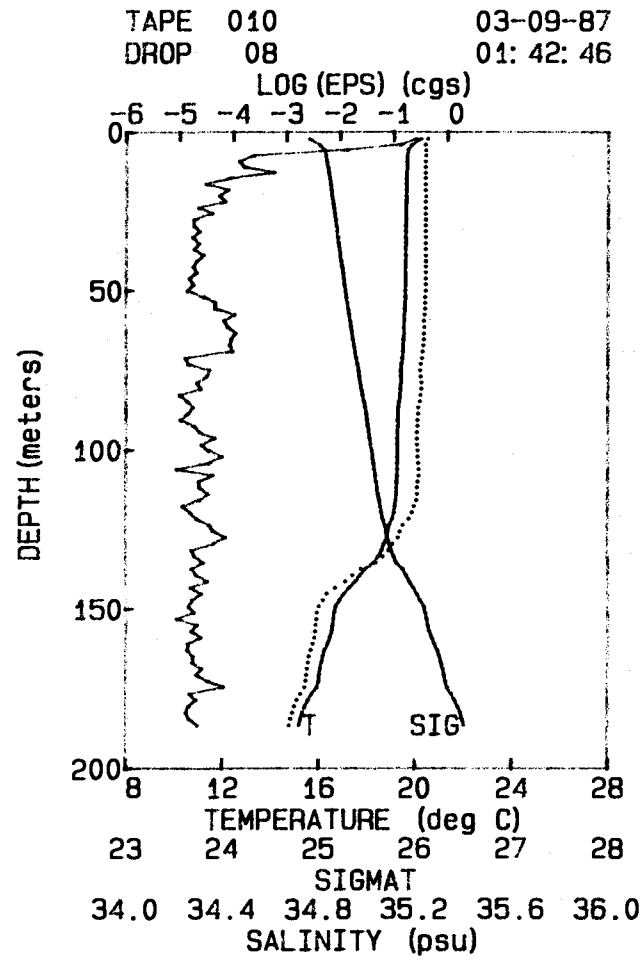
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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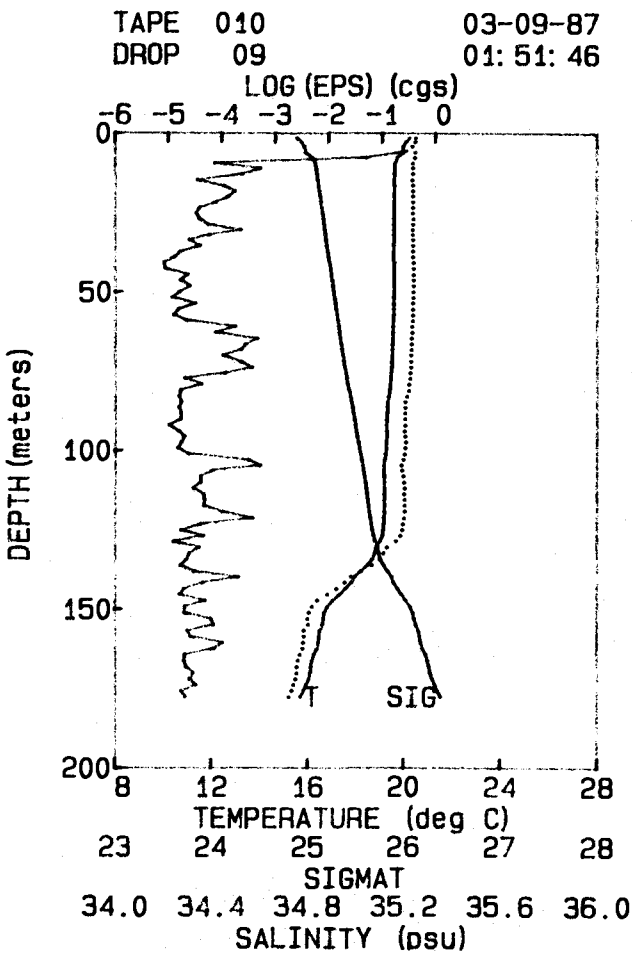
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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50
100
150
200
T
SIG
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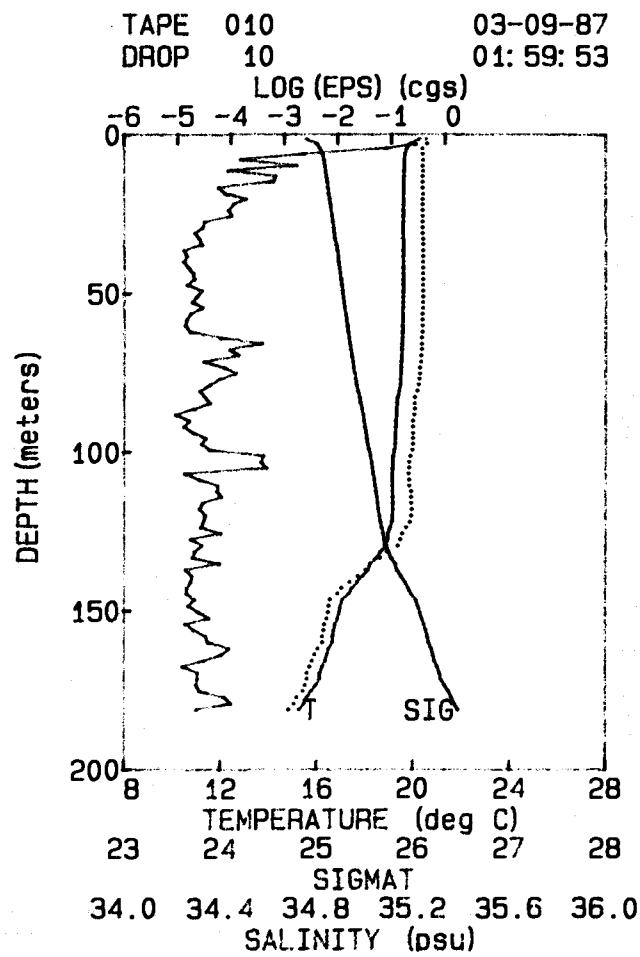
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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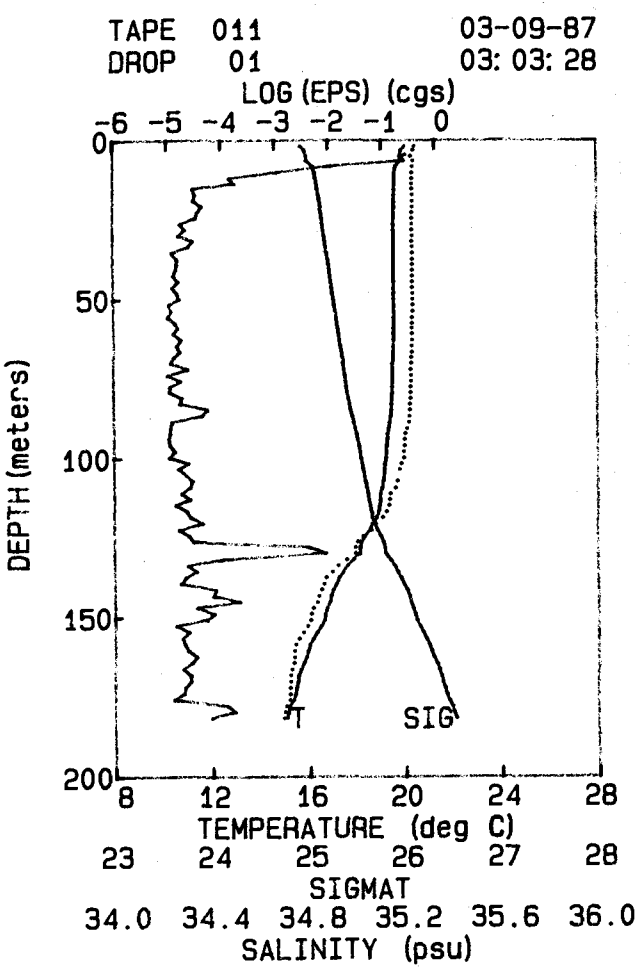
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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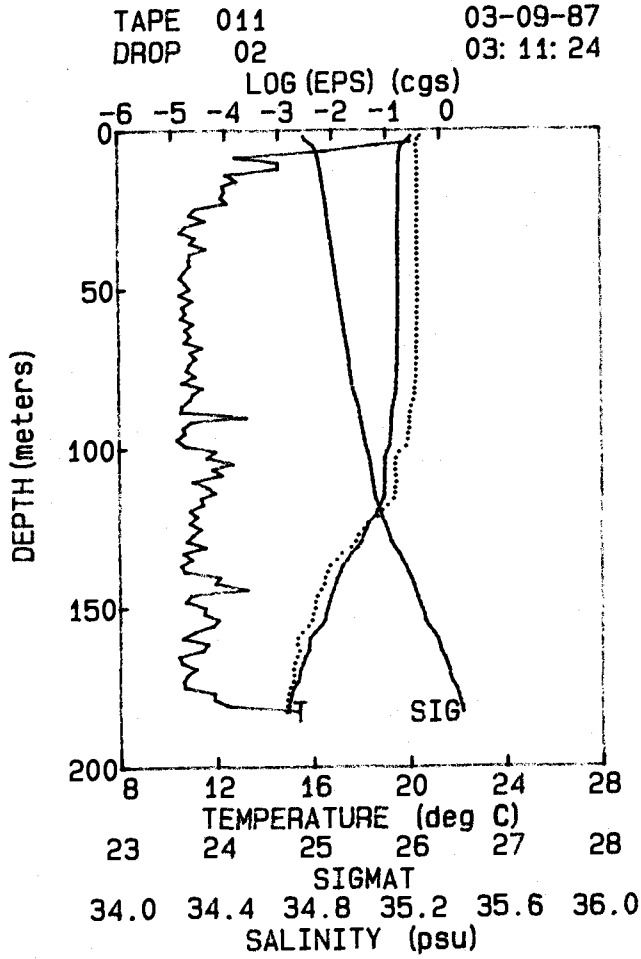
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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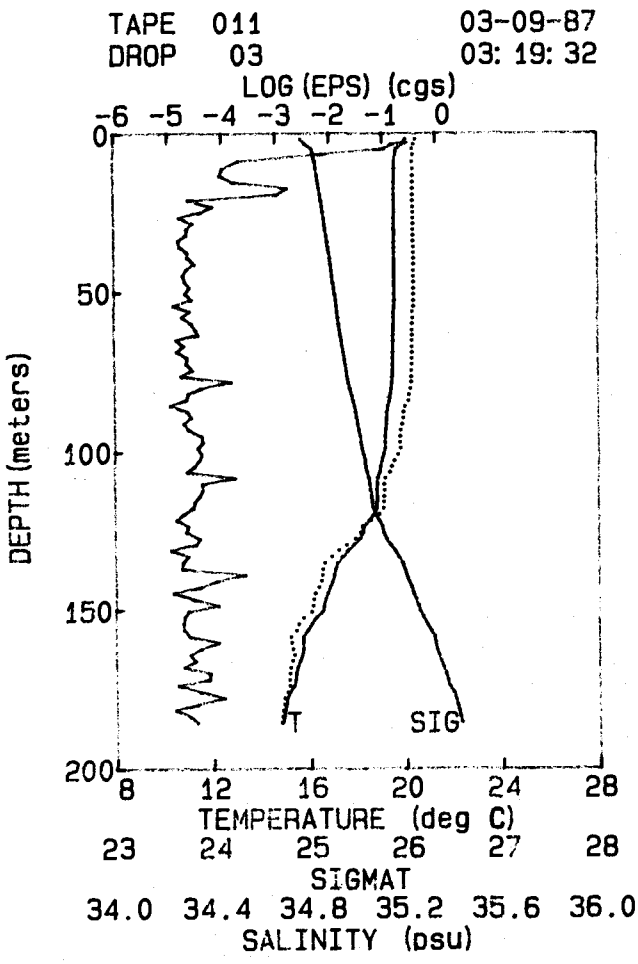
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-09-87
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DEPTH (meters)
0
50
100
150
200
T
SIG
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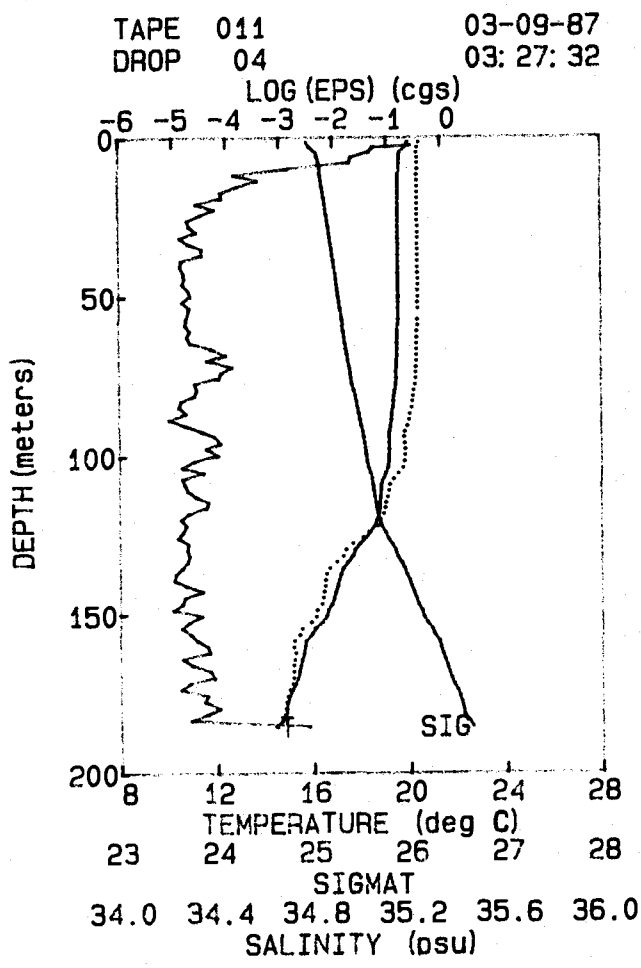
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
SIG
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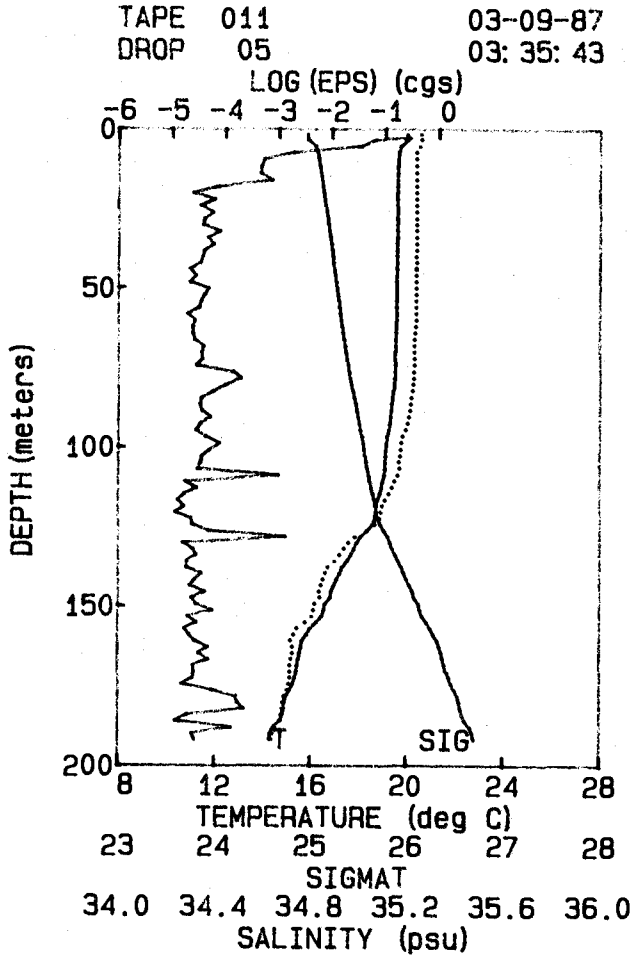
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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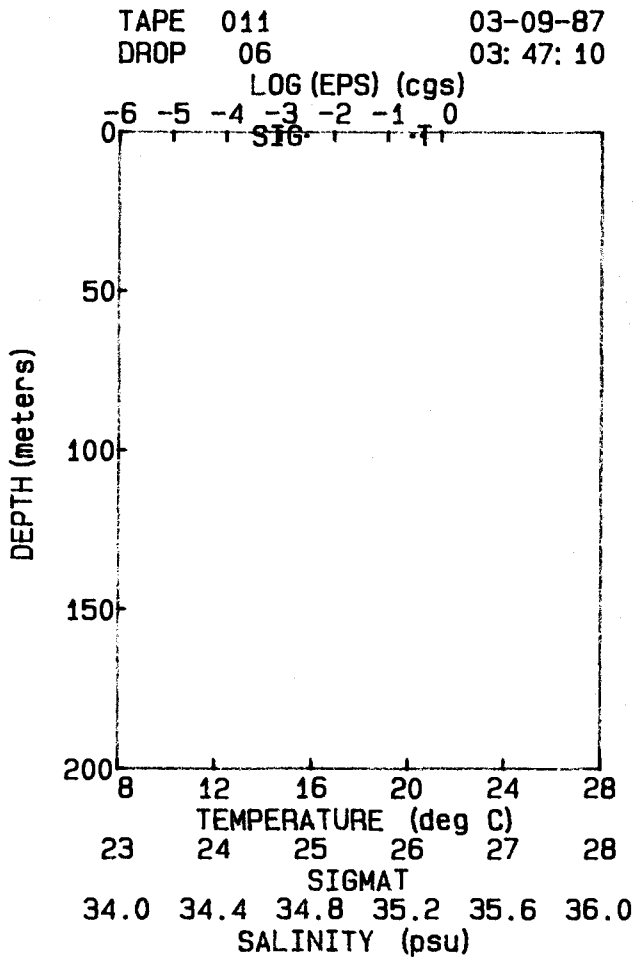
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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150
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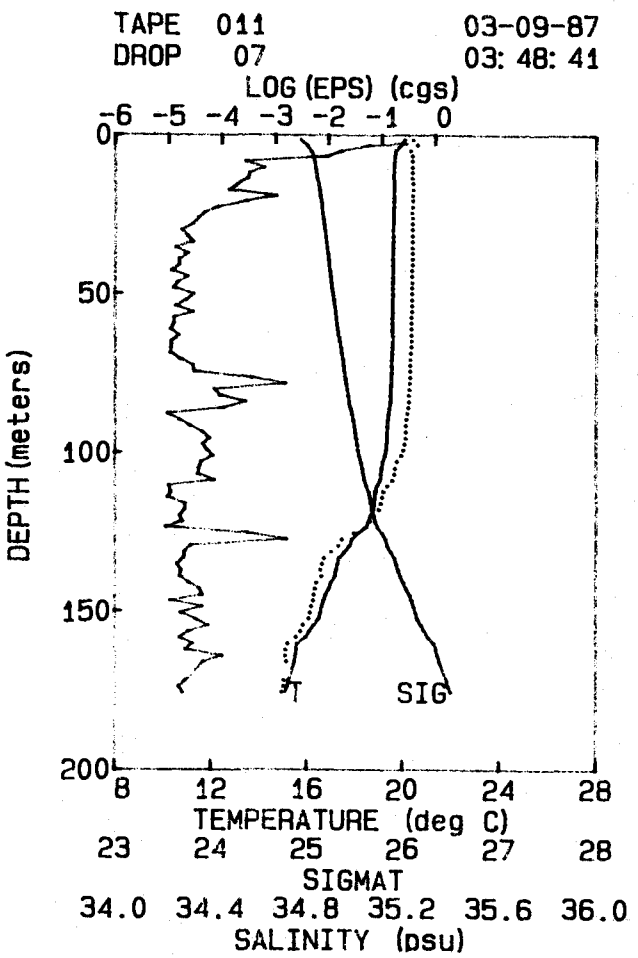
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03: 48: 41
LOG (EPS) (cgs)
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DEPTH (meters)
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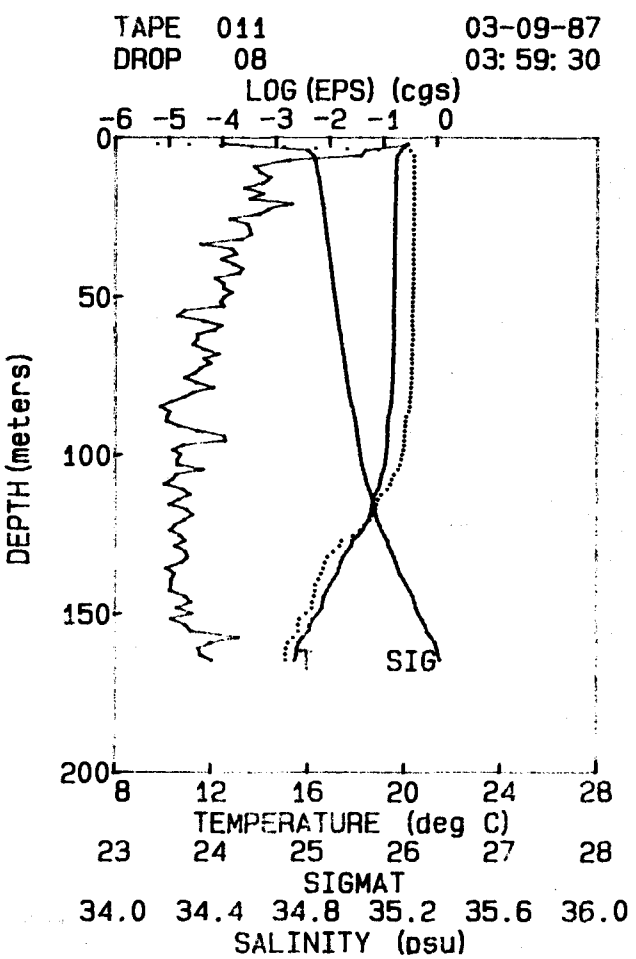
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 011
DROP 08
03-09-87
03: 59: 30
LOG (EPS) (cgs)
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DEPTH (meters)
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100
150
200
T
SIG
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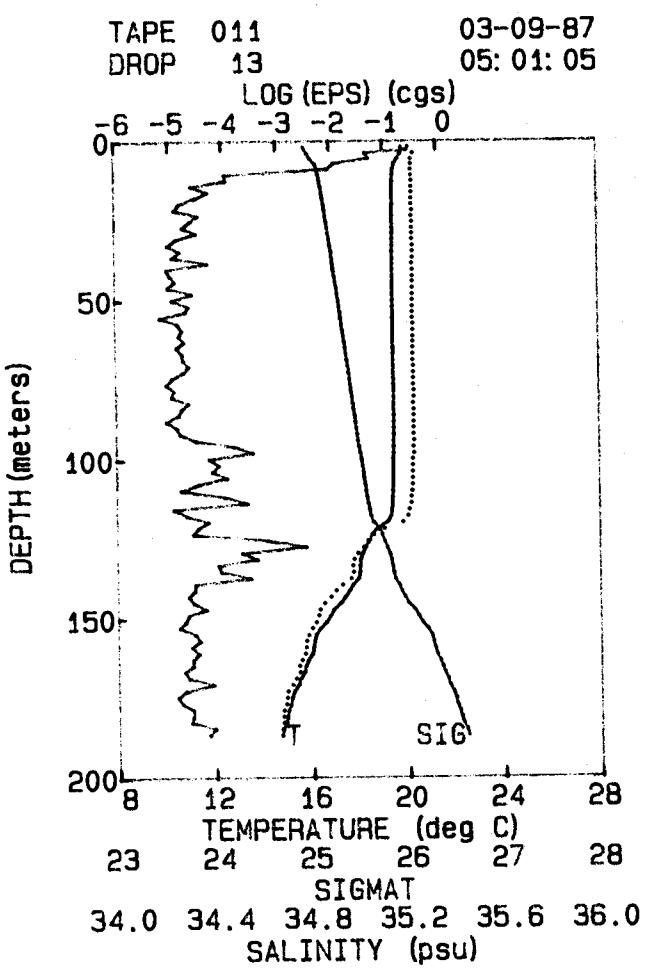
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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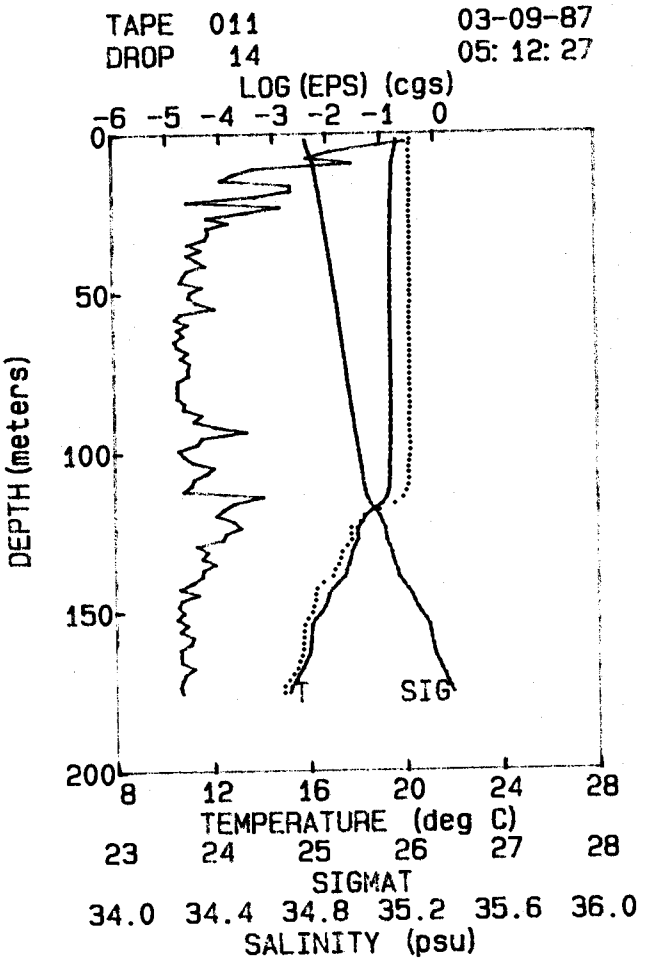
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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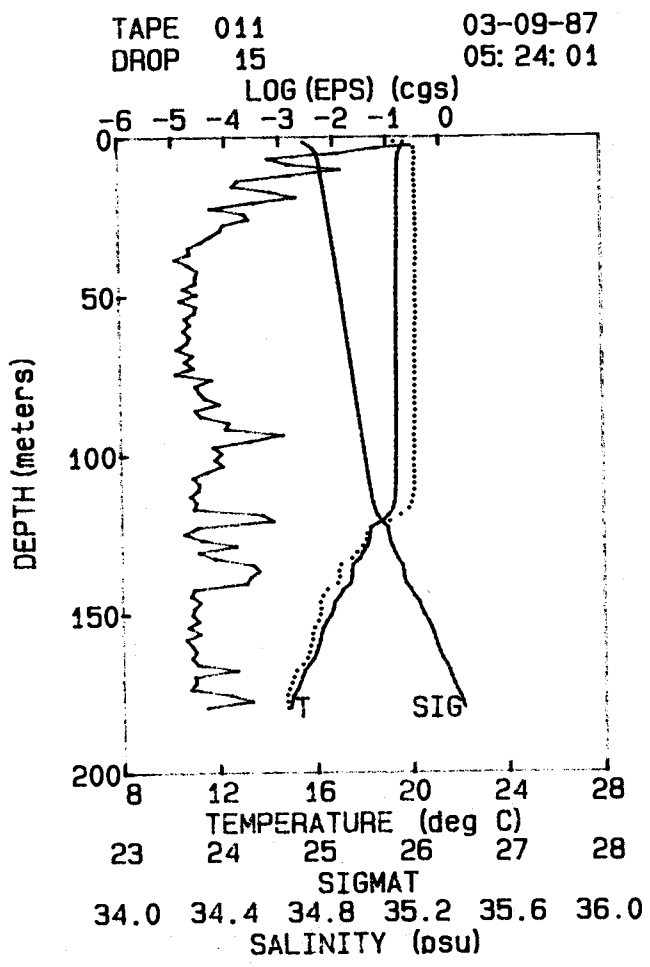
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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05: 24: 01
LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
T
SIG
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SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
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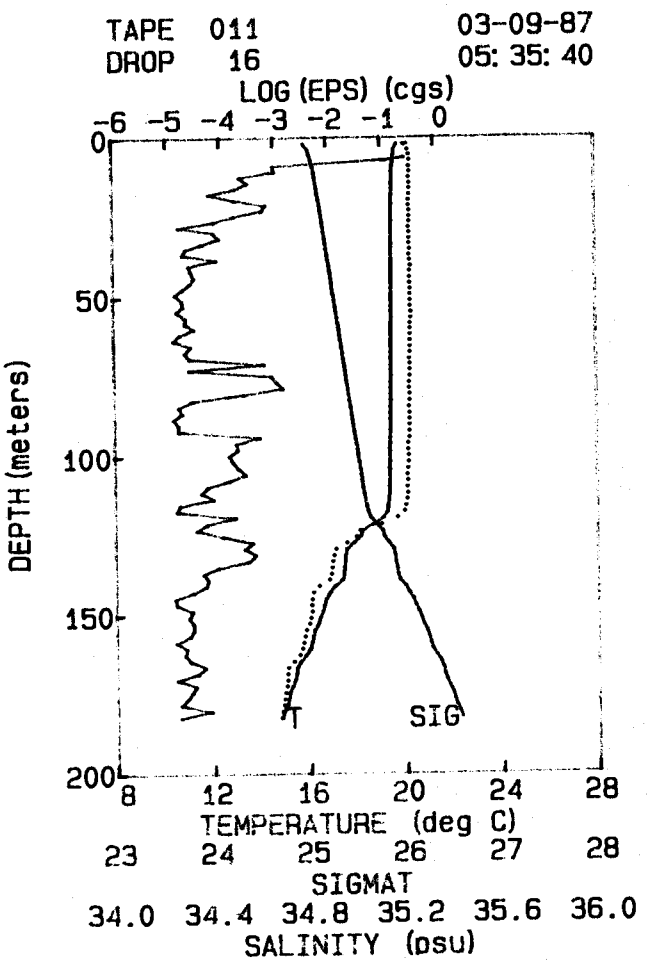
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DEPTH (meters)
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100
150
200
T
SIG
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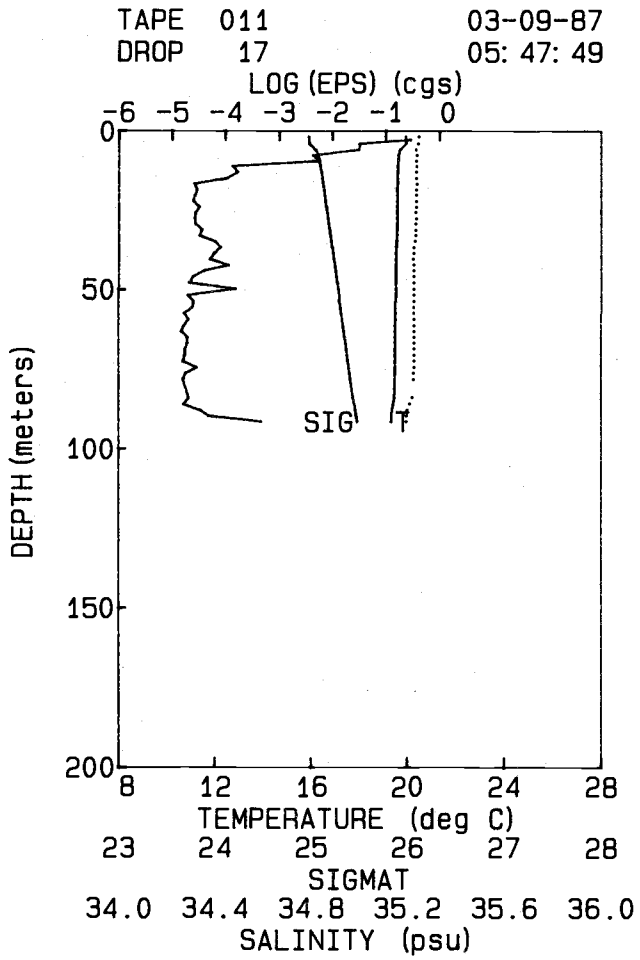
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
T
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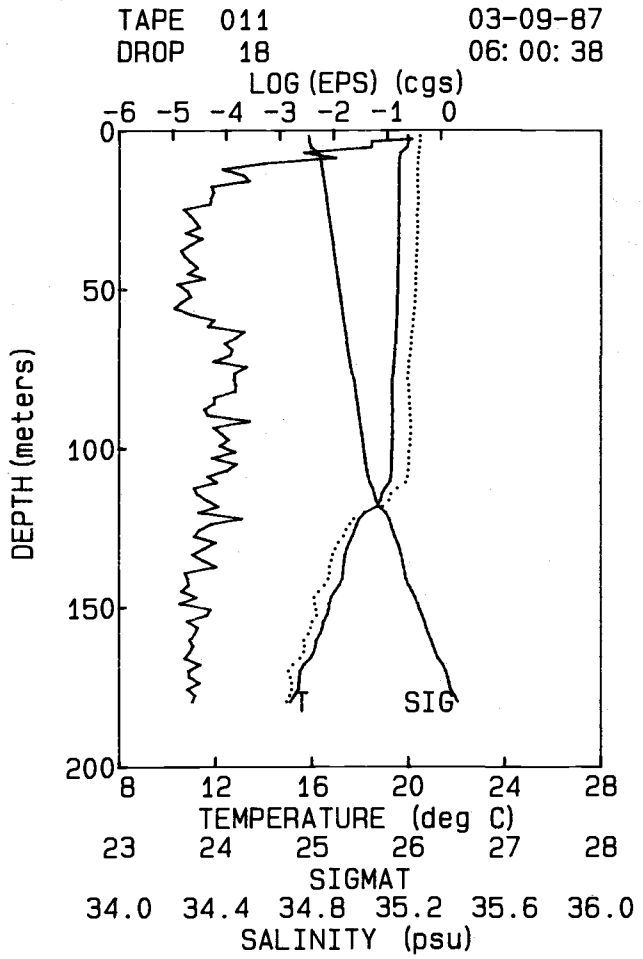
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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50
100
150
200
T
SIG
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SIGMAT
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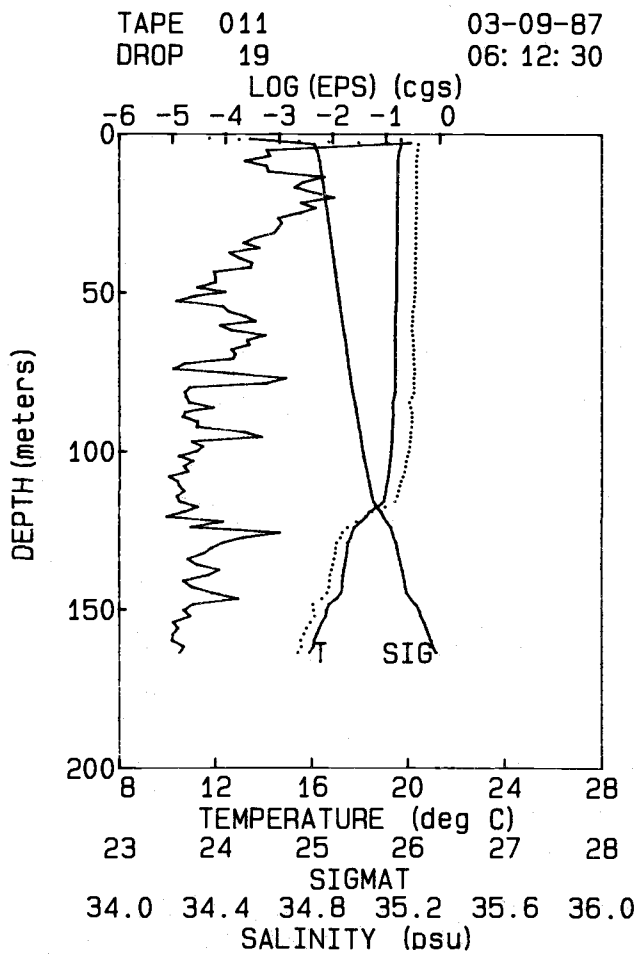
SALINITY (psu)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100
150
200
T
SIG
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TEMPERATURE (deg C)
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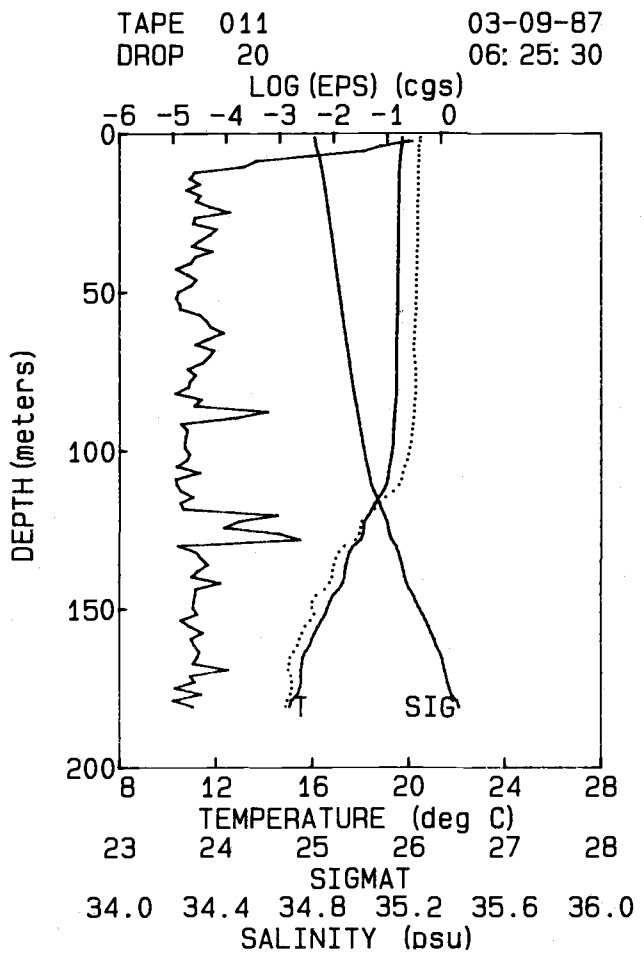
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
T
SIG
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TEMPERATURE (deg C)
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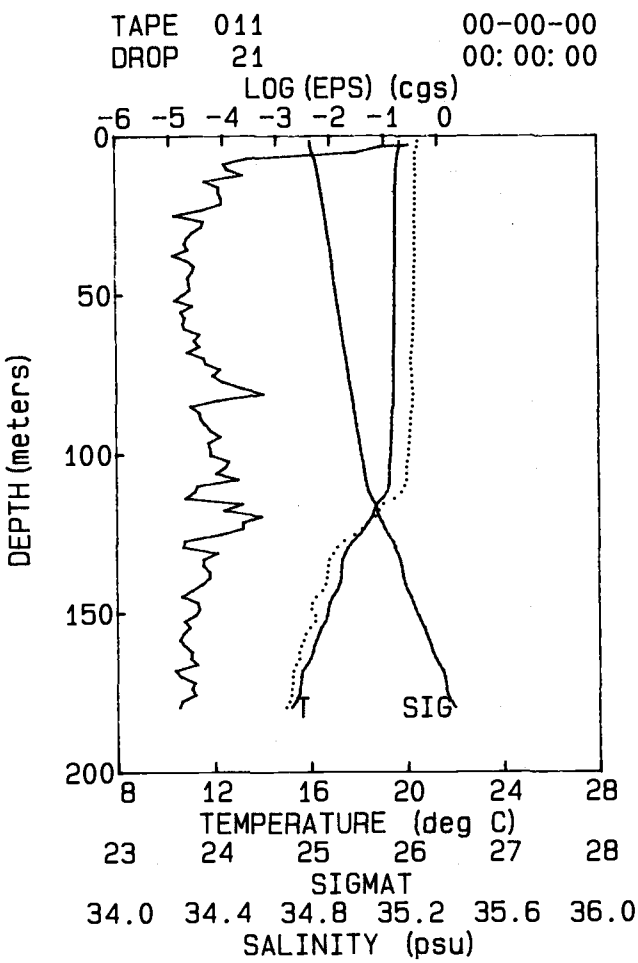
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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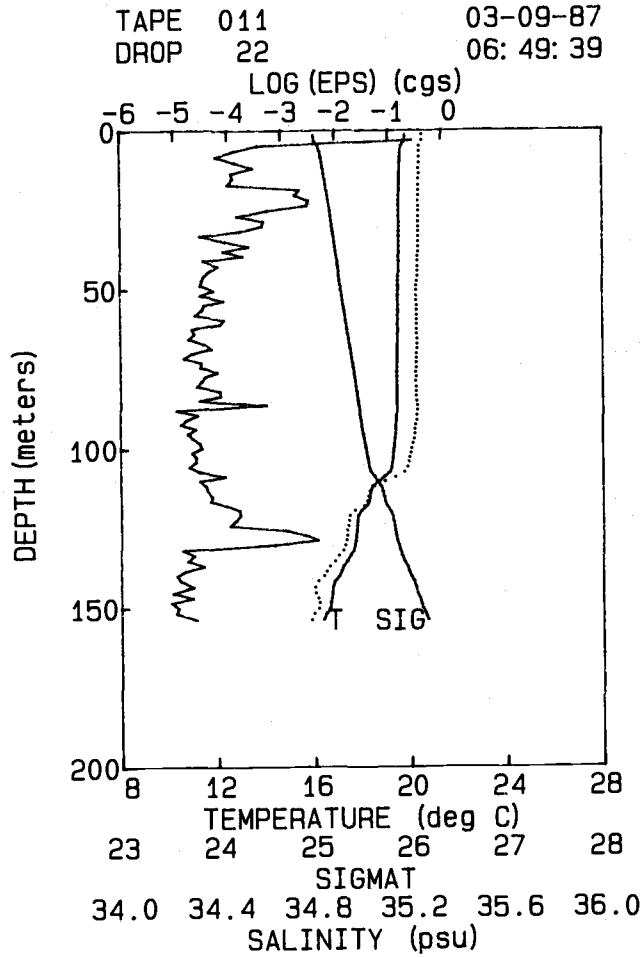
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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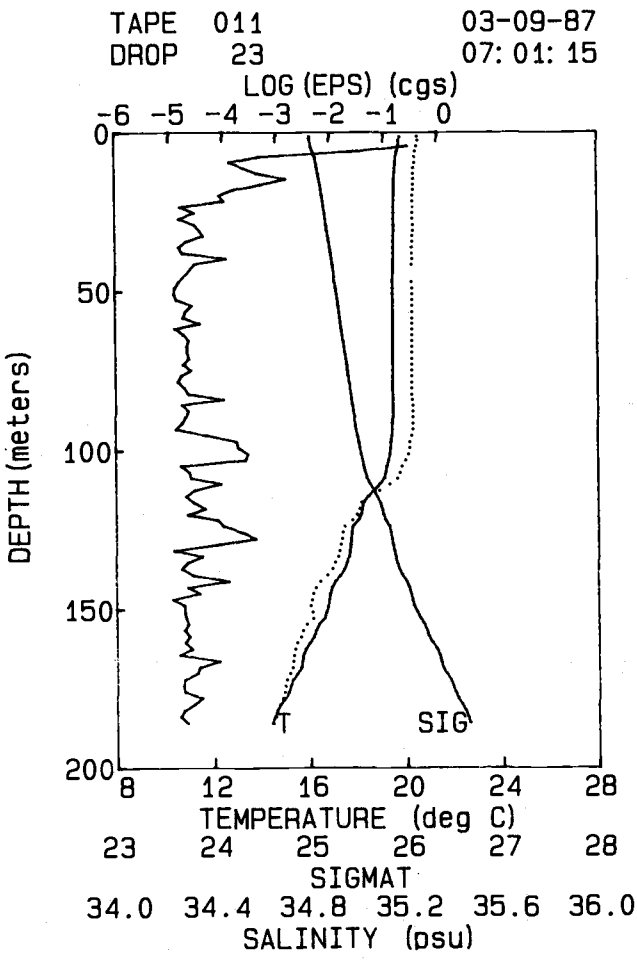
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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TEMPERATURE (deg C)
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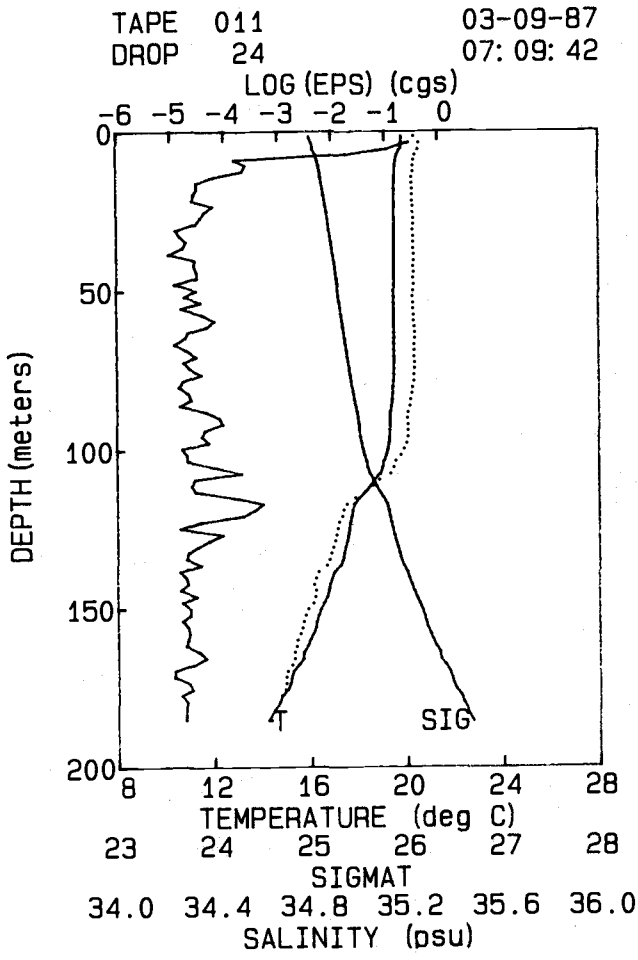
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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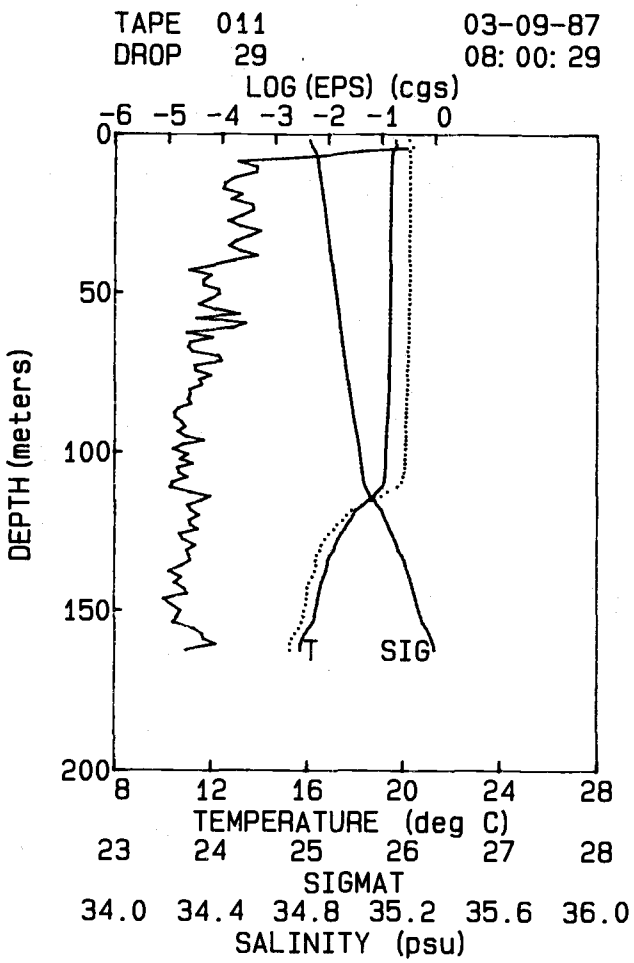
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
T
SIG
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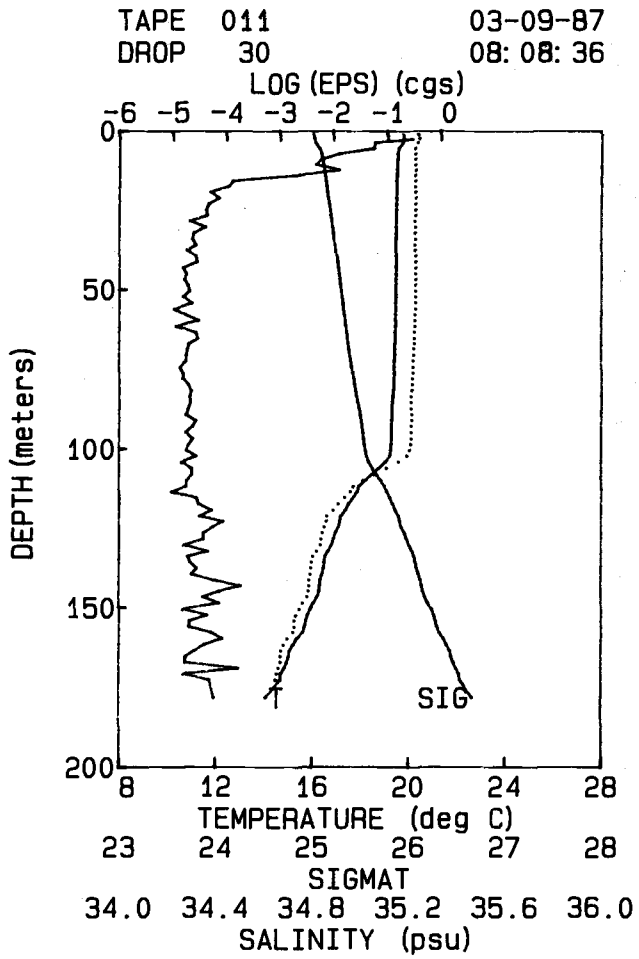
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
T
SIG
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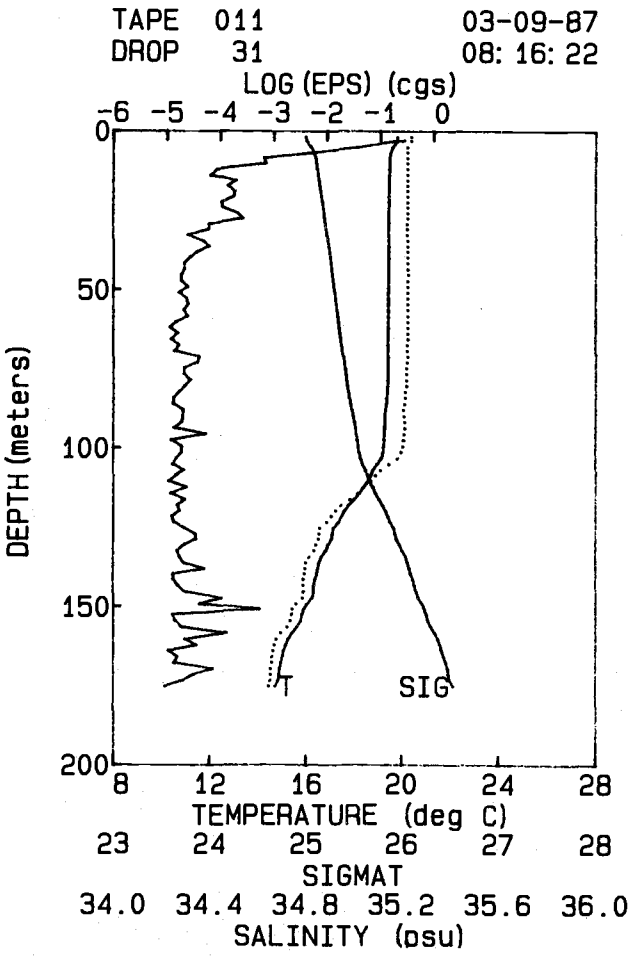
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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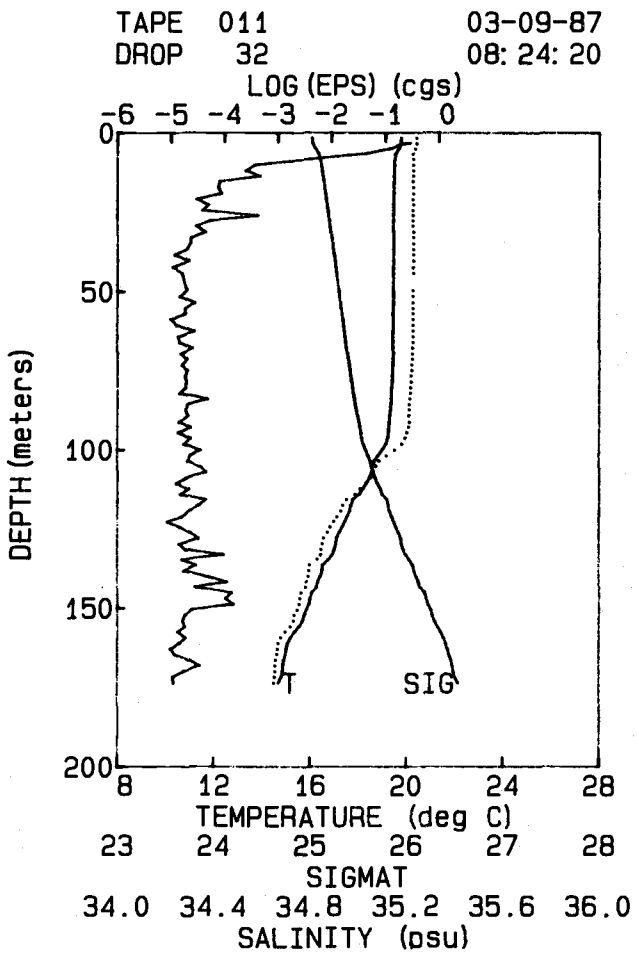
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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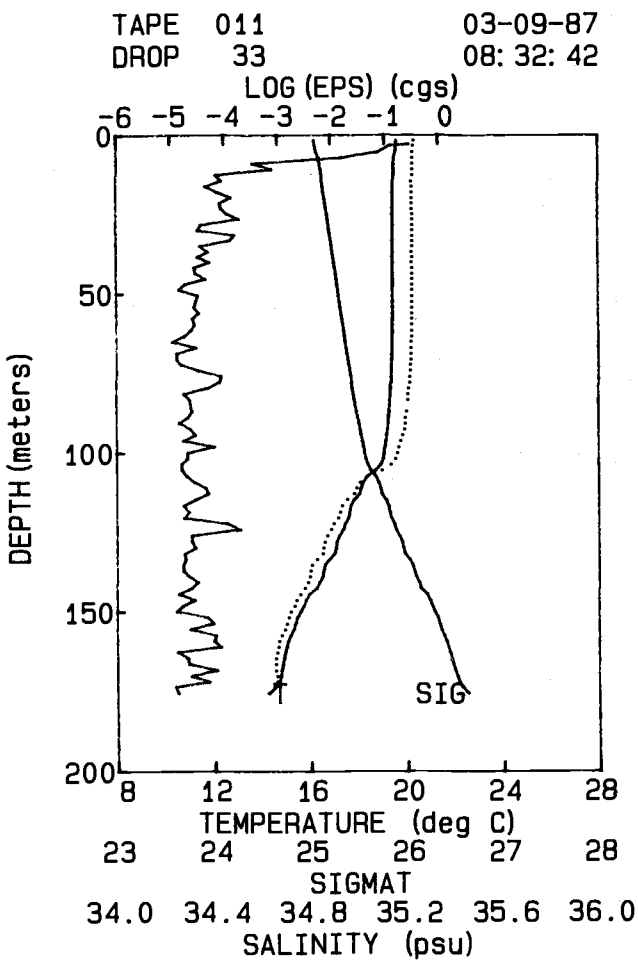
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 33
03-09-87
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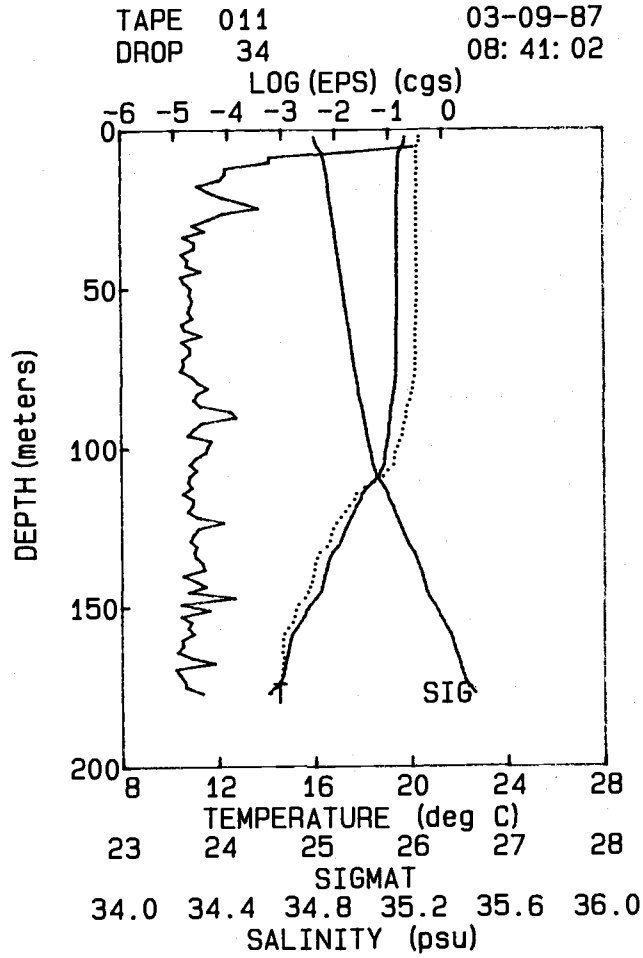
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 34
03-09-87
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LOG (EPS) (cgs)
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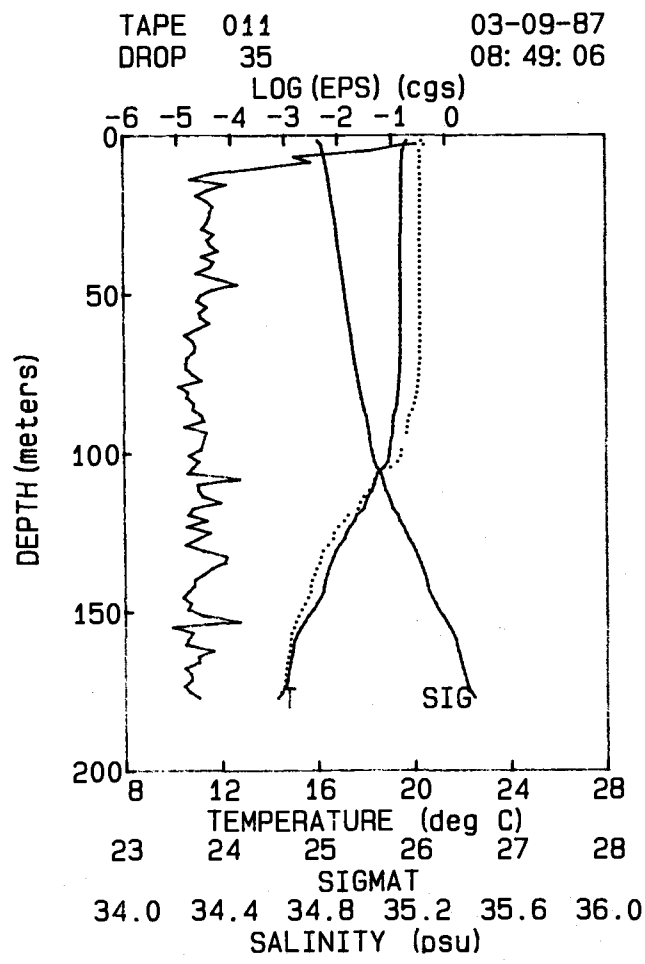
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-09-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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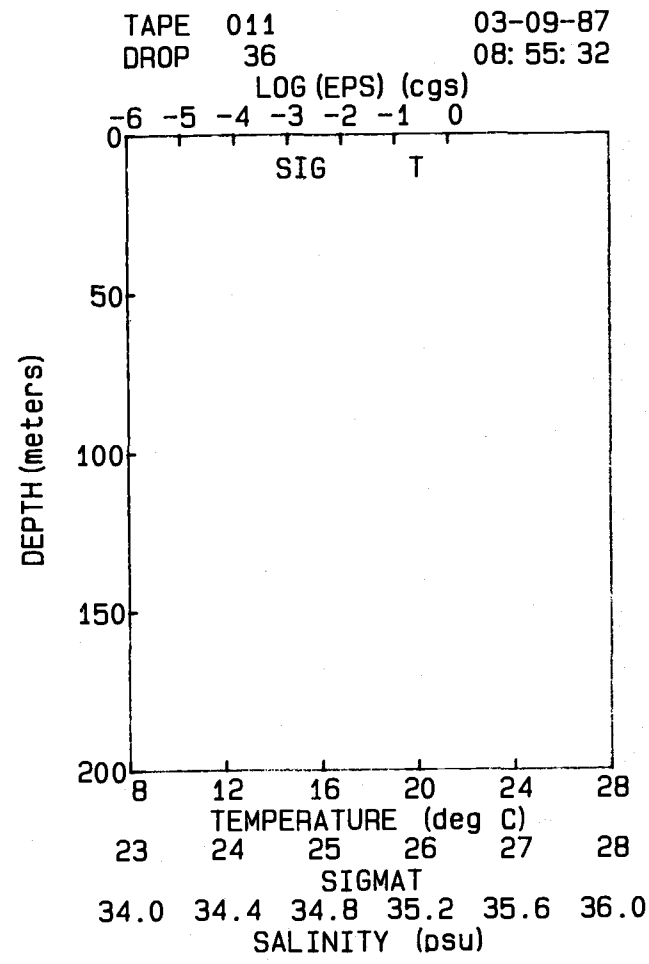
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 36
03-09-87
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LOG (EPS) (cgs)
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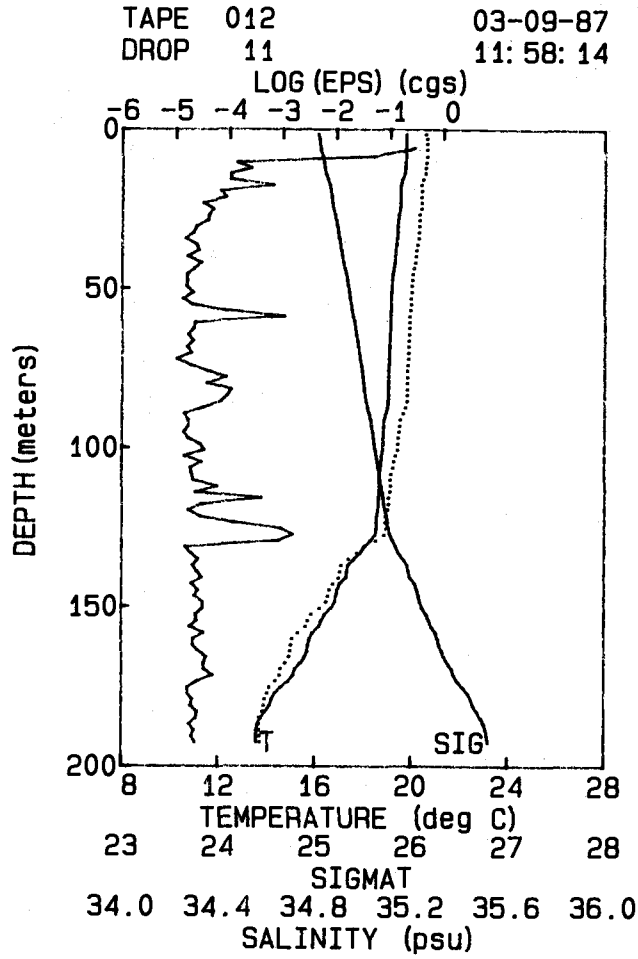
SIG T
DEPTH (meters)
0
50
100
150
200
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 11
03-09-87
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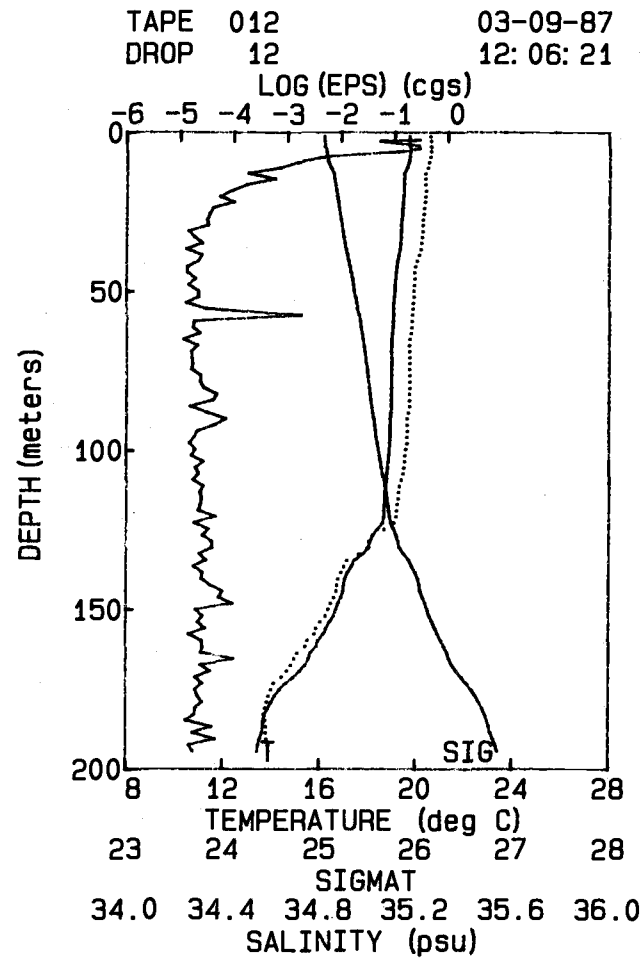
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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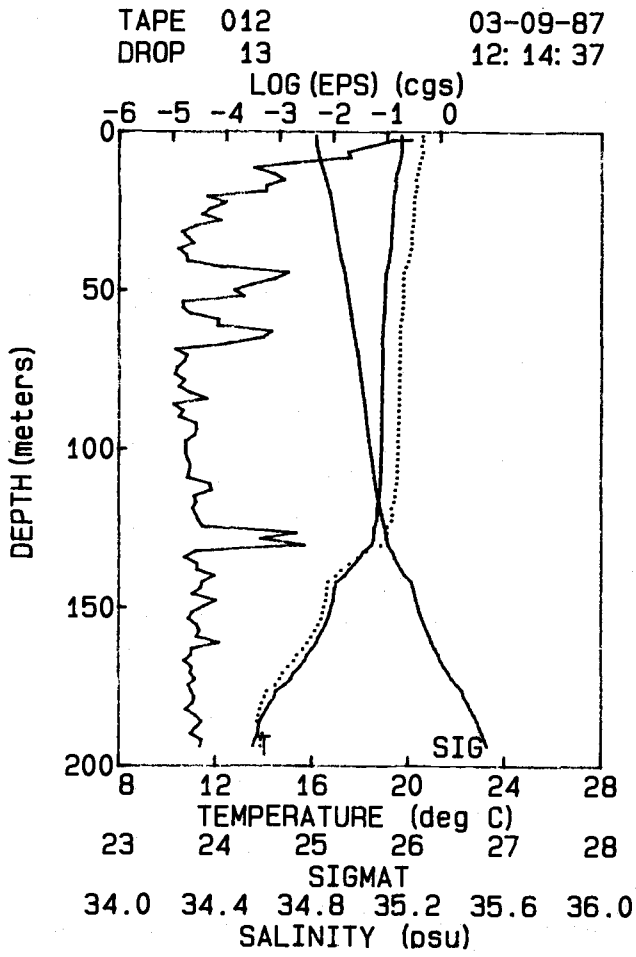
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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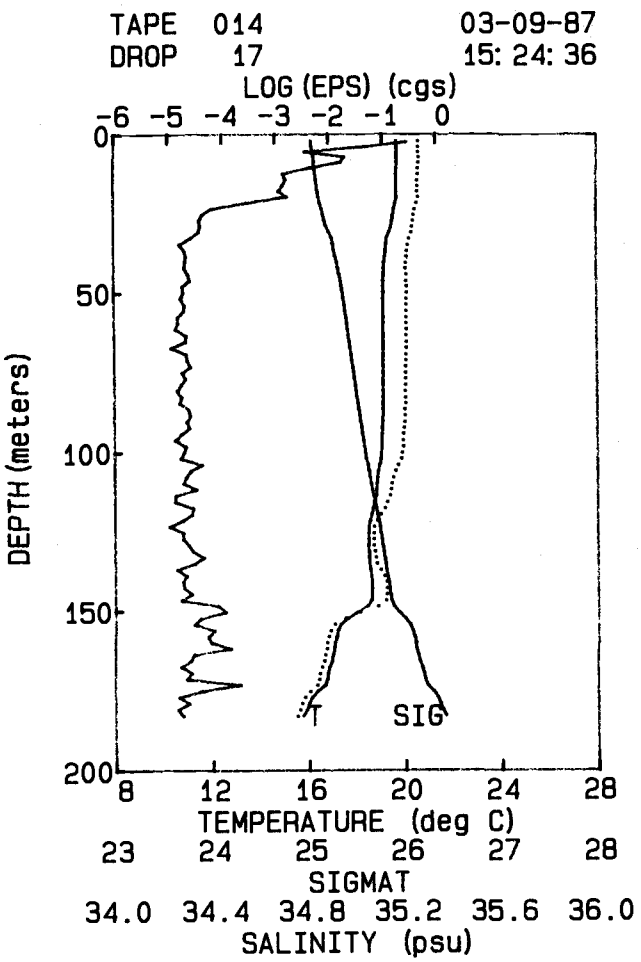
DROP 13
03-09-87
12: 14: 37
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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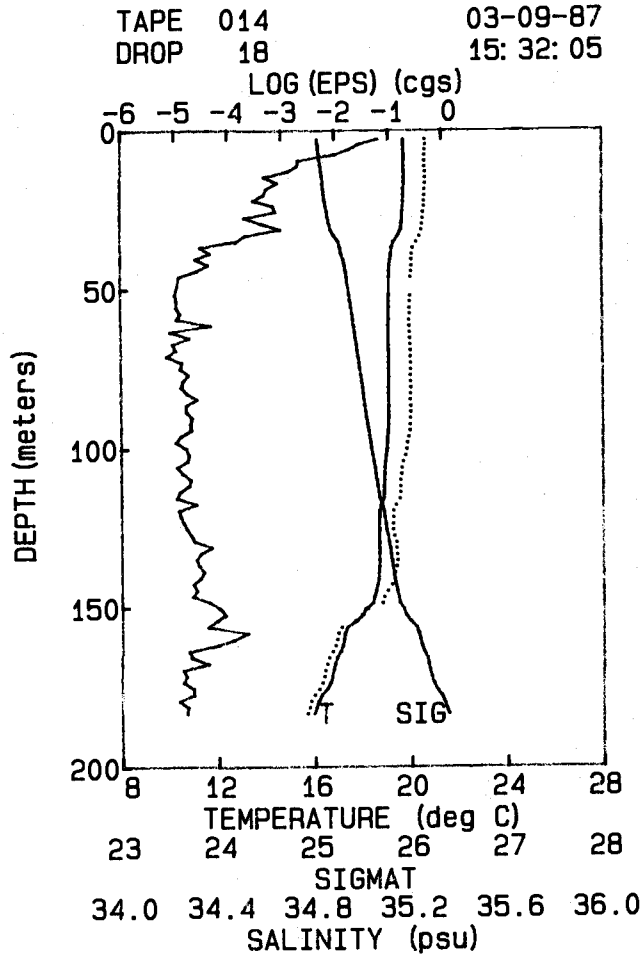
15: 24: 36
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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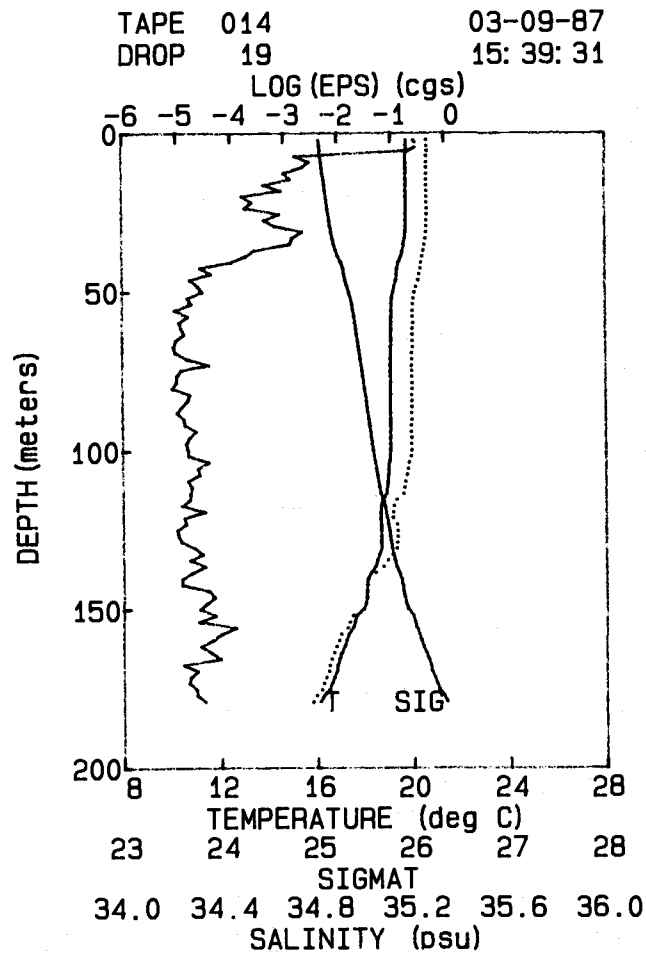
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 19
03-09-87
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LOG (EPS) (cgs)
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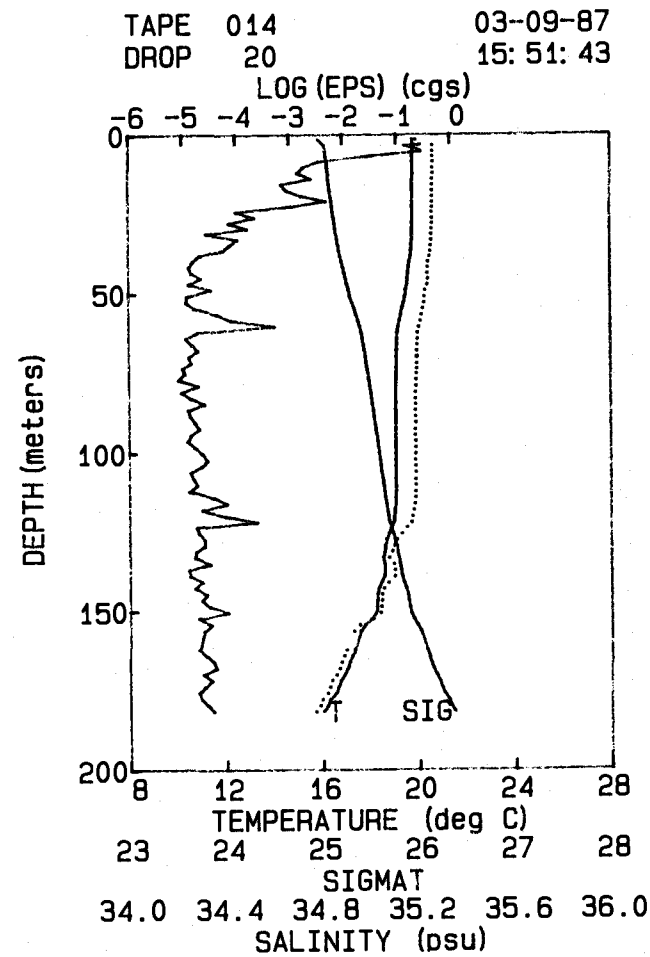
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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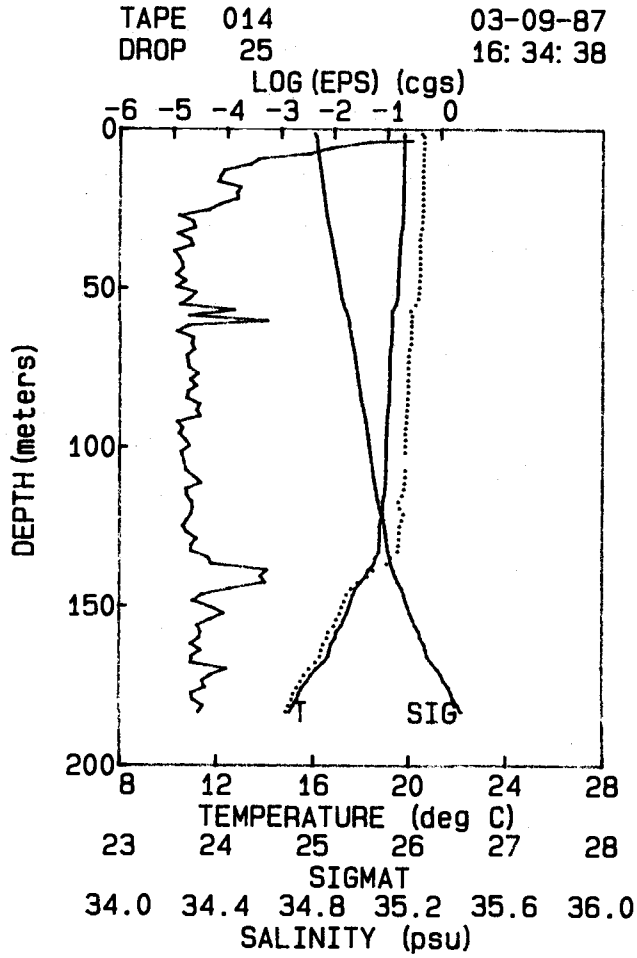
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 014
DROP 25
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16: 34: 38
LOG (EPS) (cgs)
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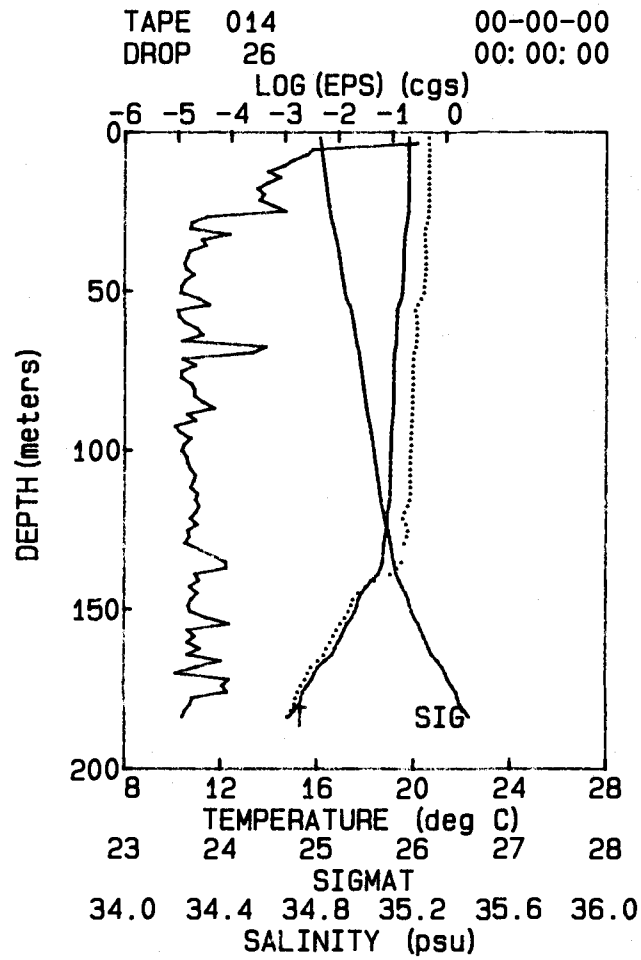
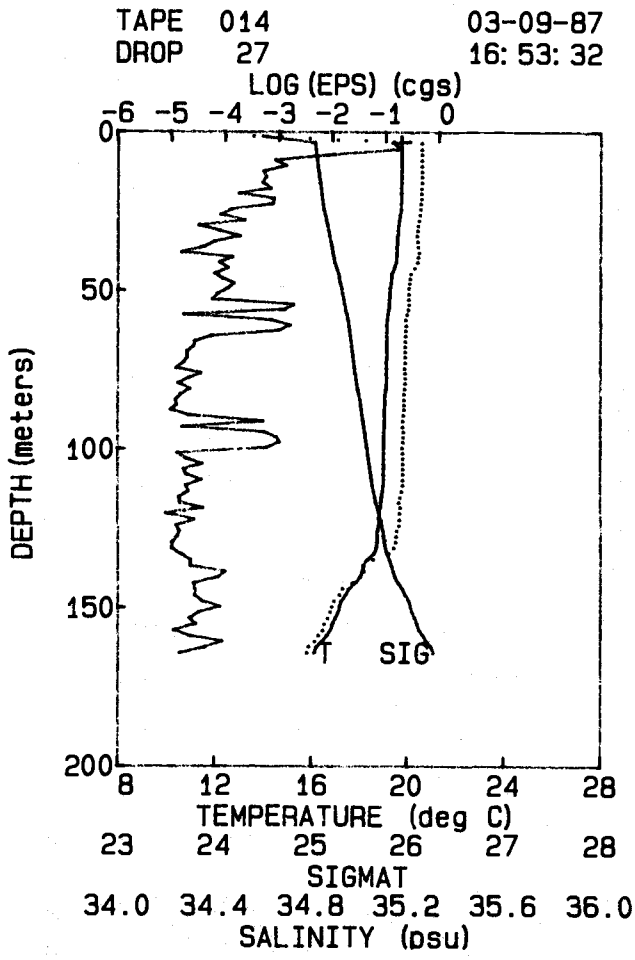
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 014
DROP 26
00-00-00
00: 00: 00
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 27
03-09-87
16: 53: 32
LOG (EPS) (cgs)
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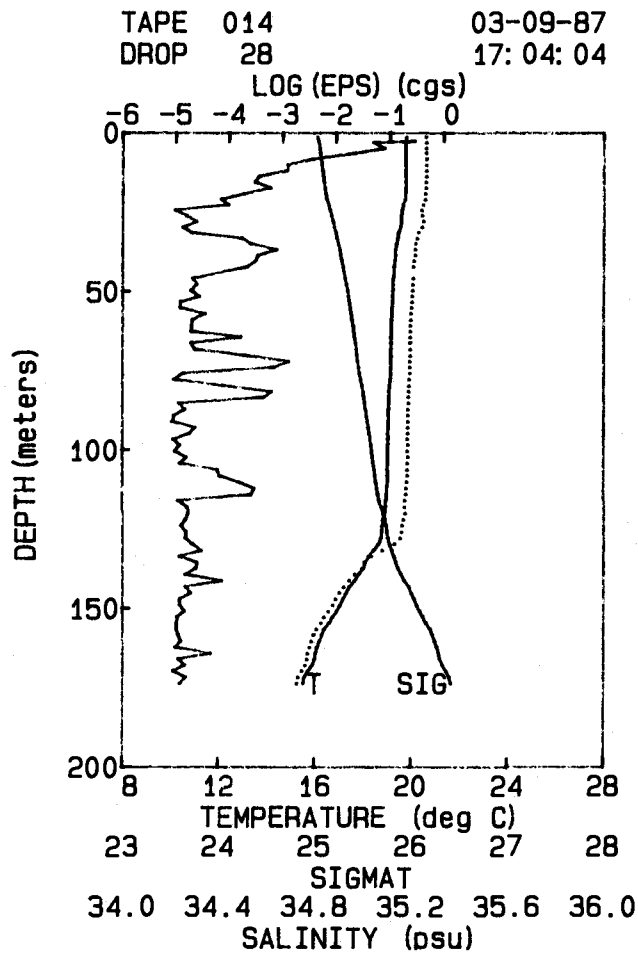
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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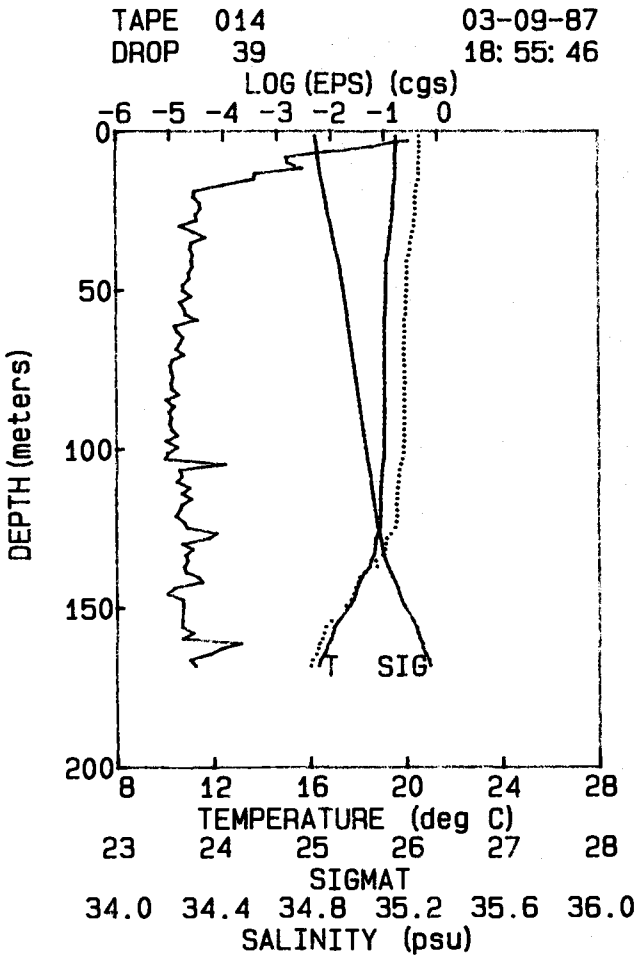
DROP 28
03-09-87
17: 04: 04
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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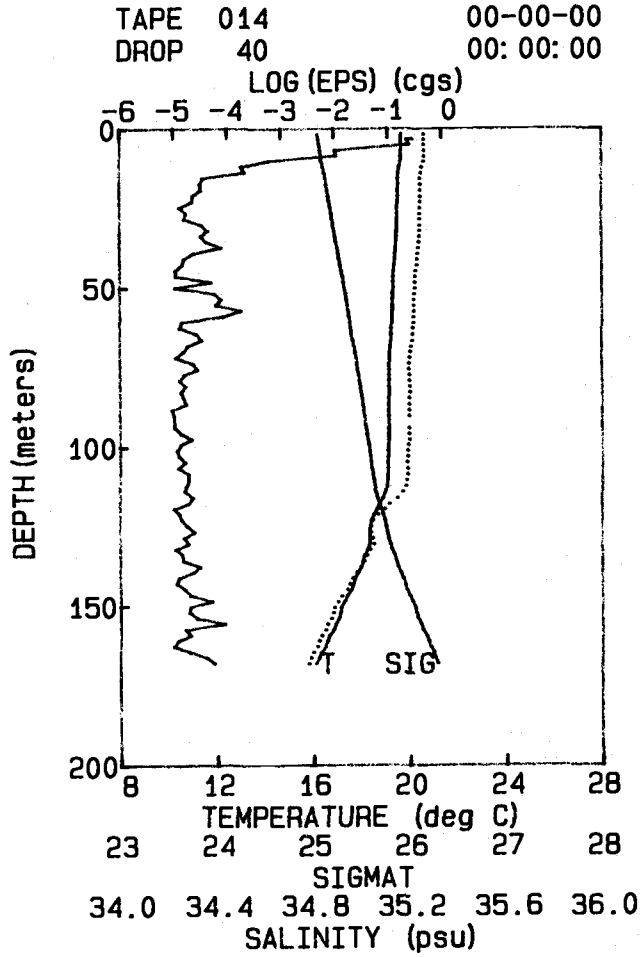
DROP 39
03-09-87
18: 55: 46
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 40
00-00-00
00: 00: 00
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DEPTH (meters)
0
50
100
150
200
T
SIG
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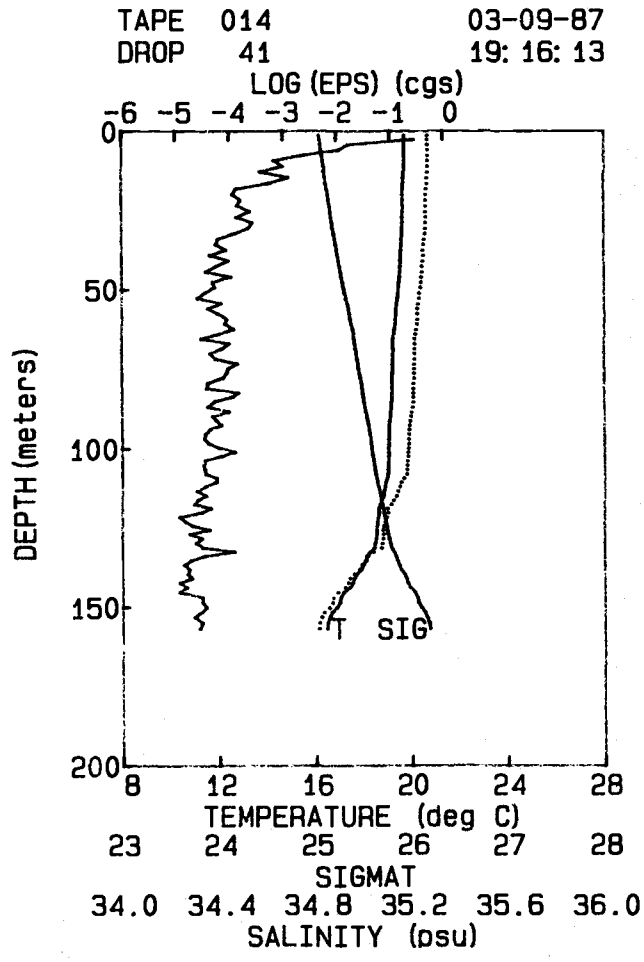
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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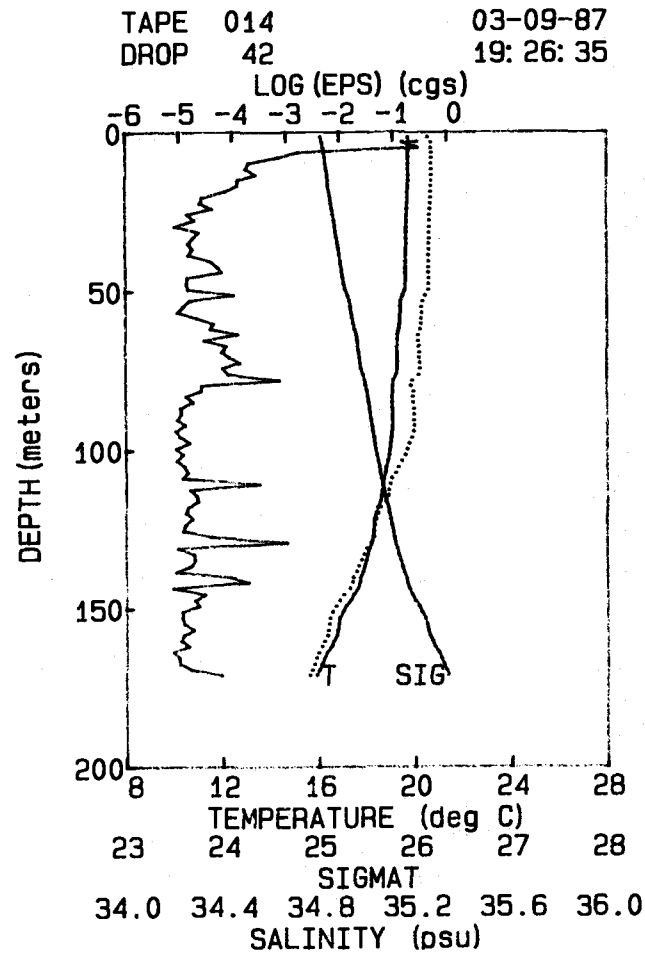
DROP 41
03-09-87
19: 16: 13
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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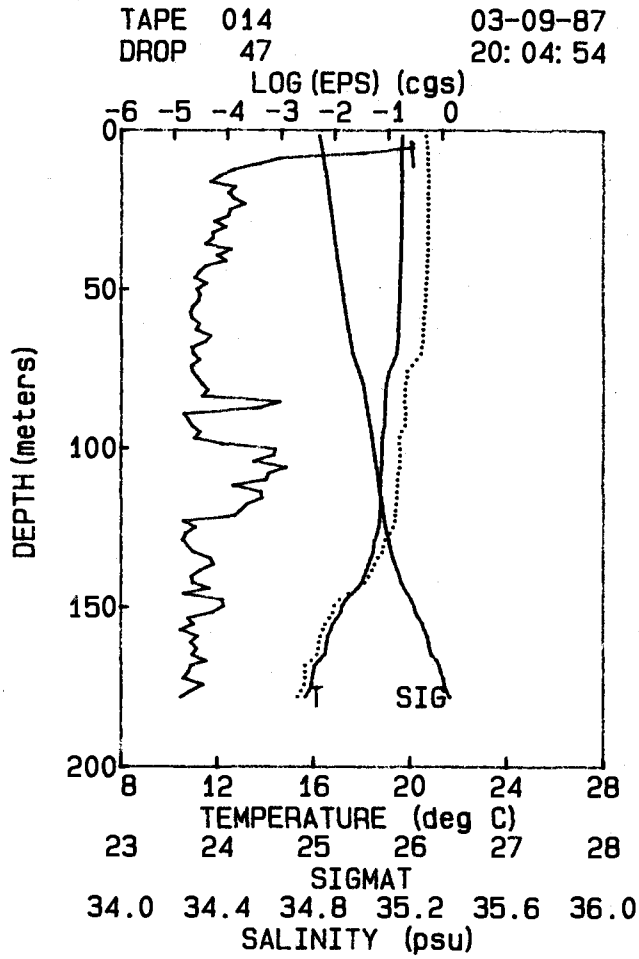
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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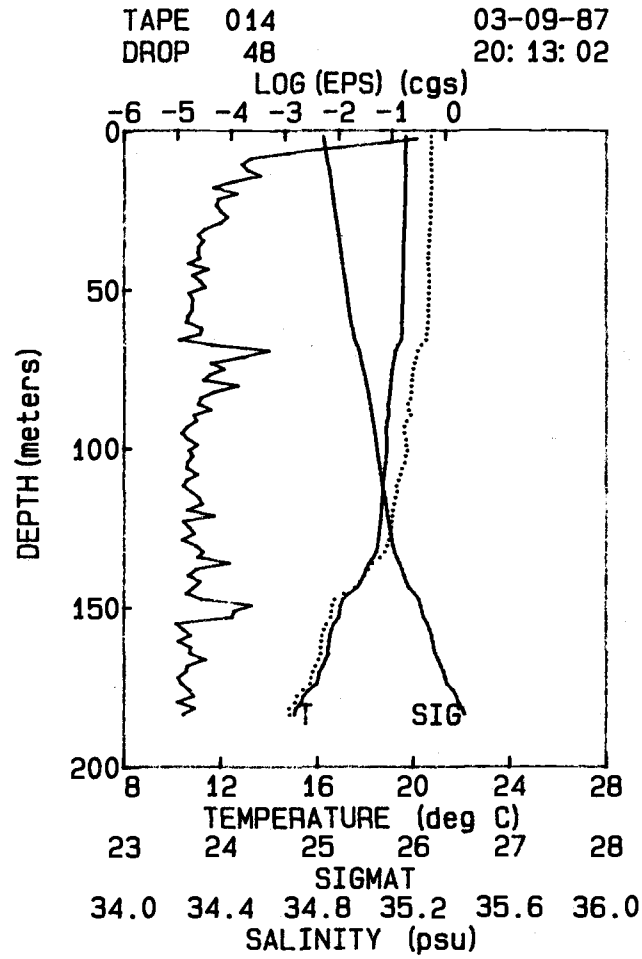
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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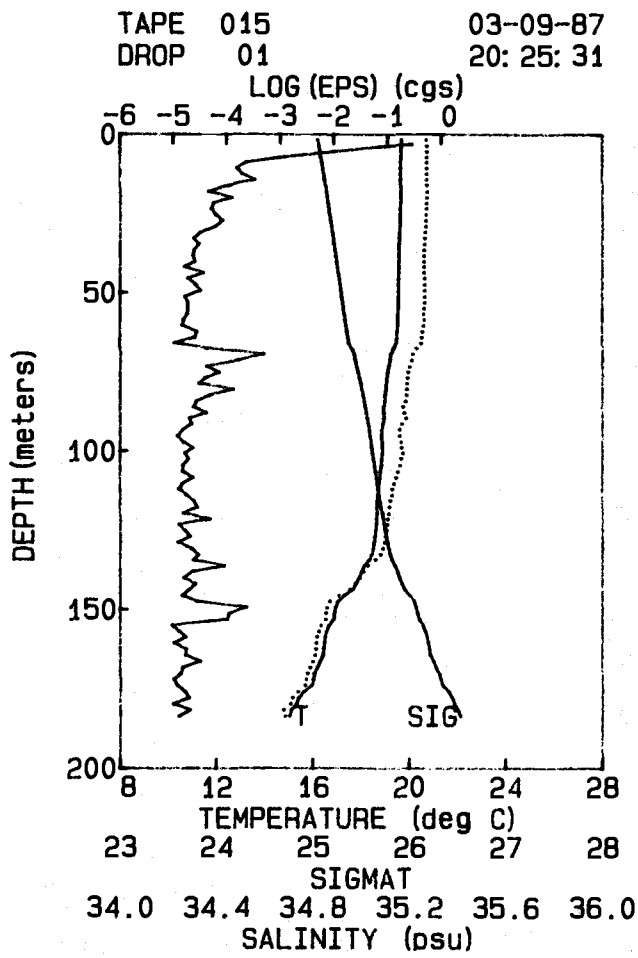
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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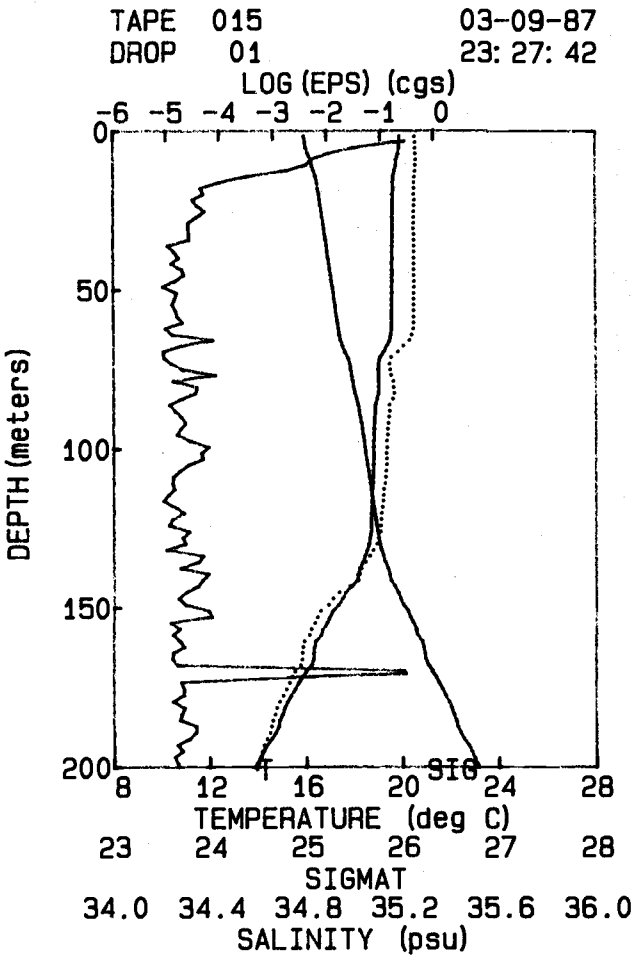
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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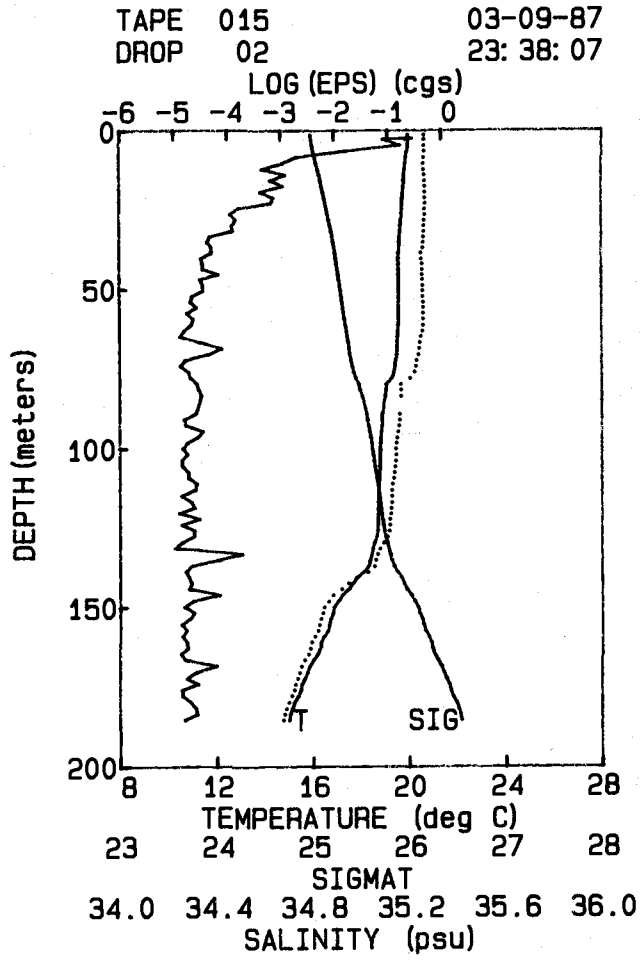
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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150
200
T
SIG
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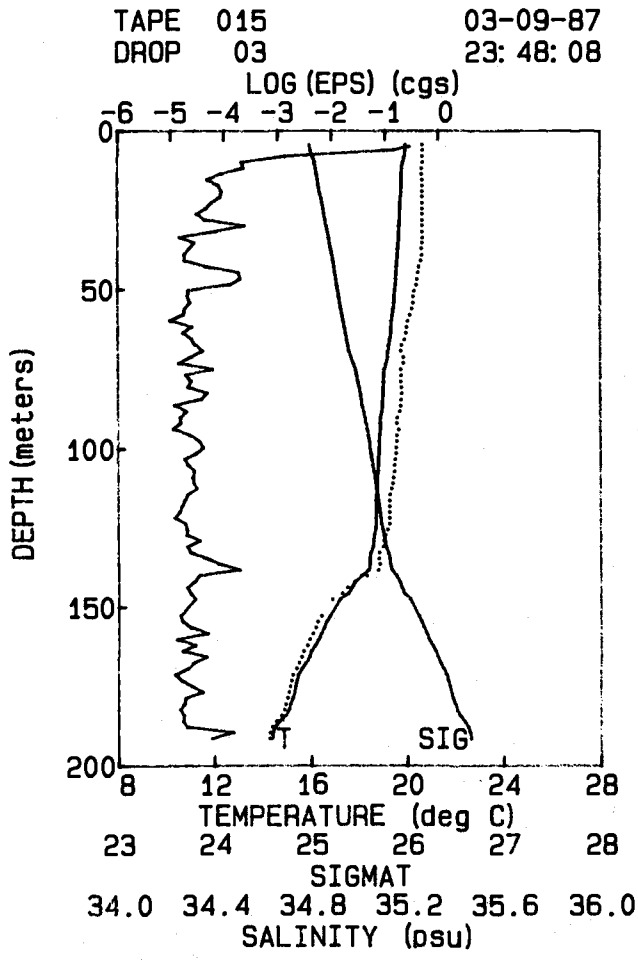
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-09-87
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150
200
T
SIG
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TEMPERATURE (deg C)
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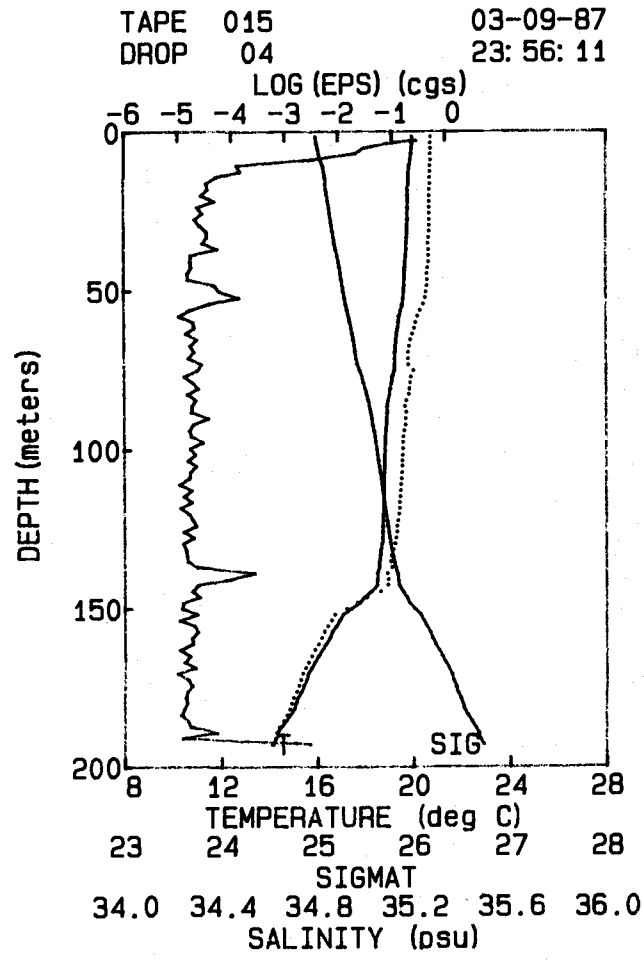
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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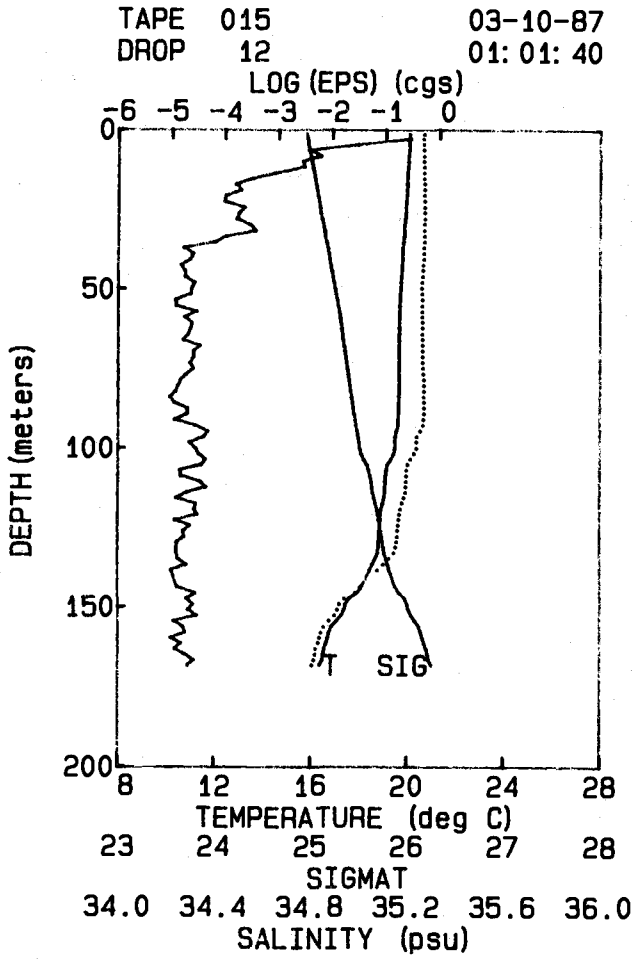
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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01: 01: 40
LOG (EPS) (cgs)
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50
100
150
200
T SIG
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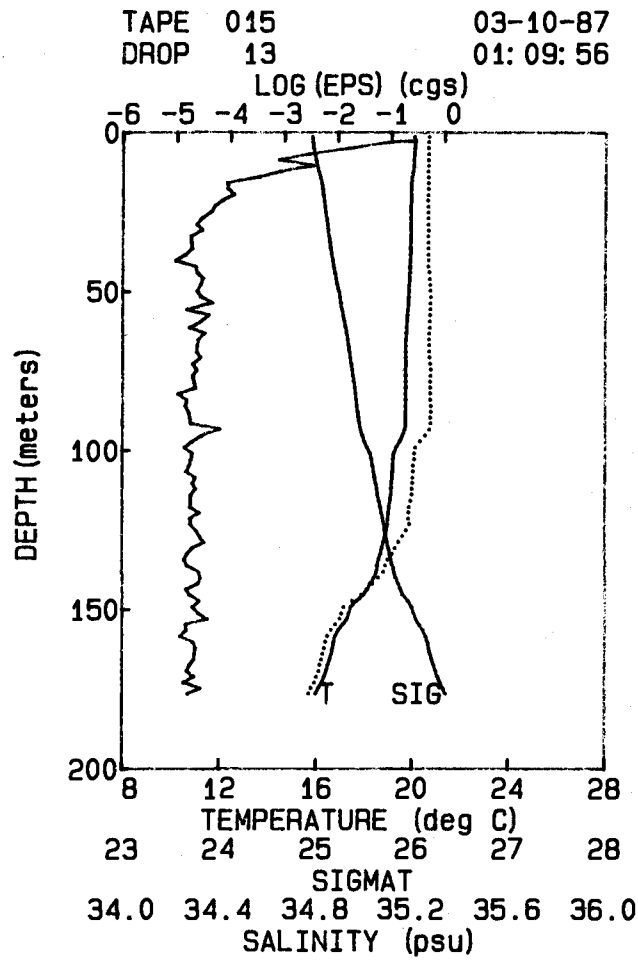
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-10-87
01: 09: 56
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
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50
100
150
200
T SIG
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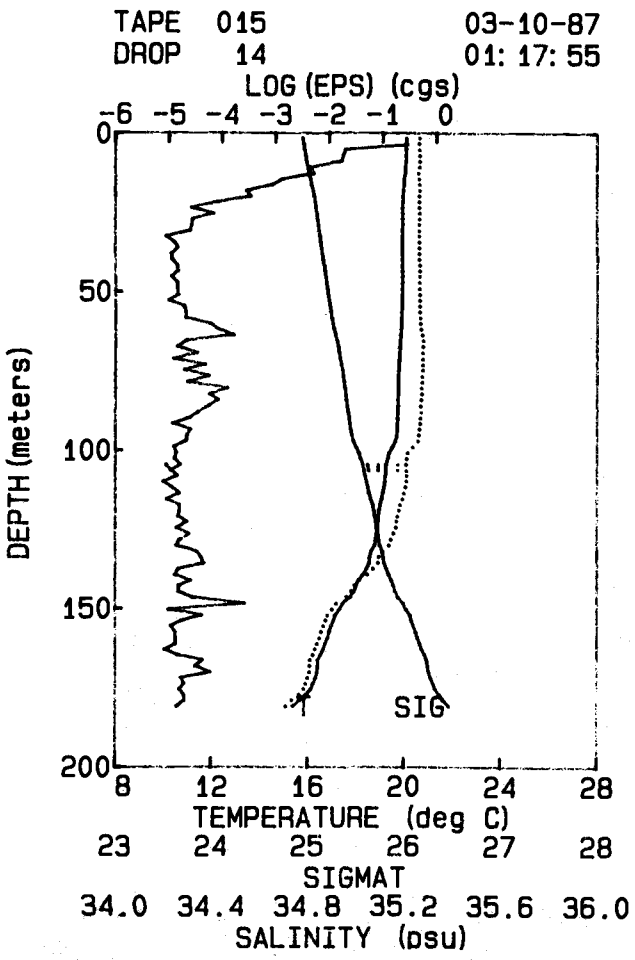
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
T SIG
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TEMPERATURE (deg C)
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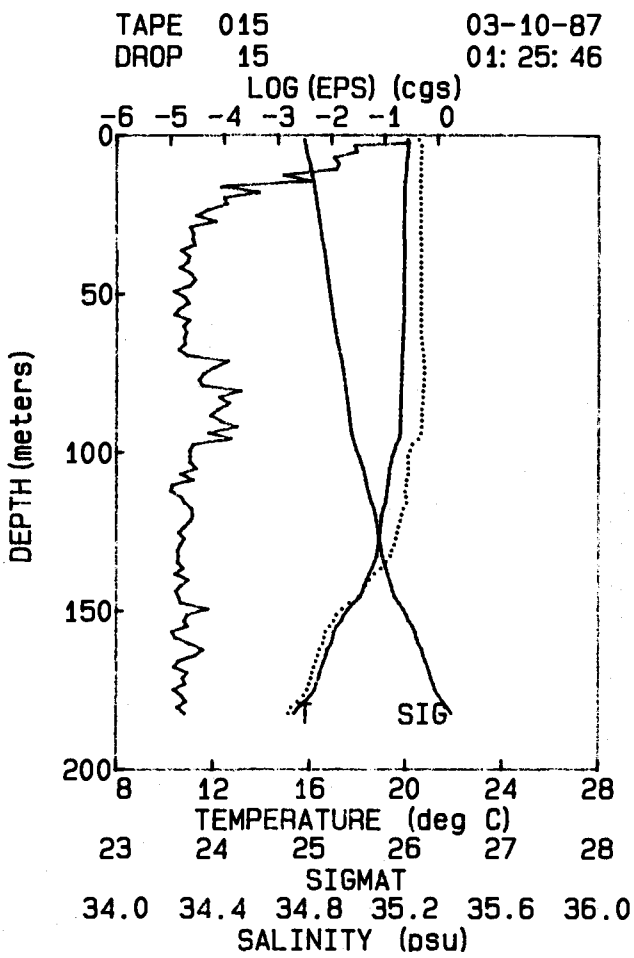
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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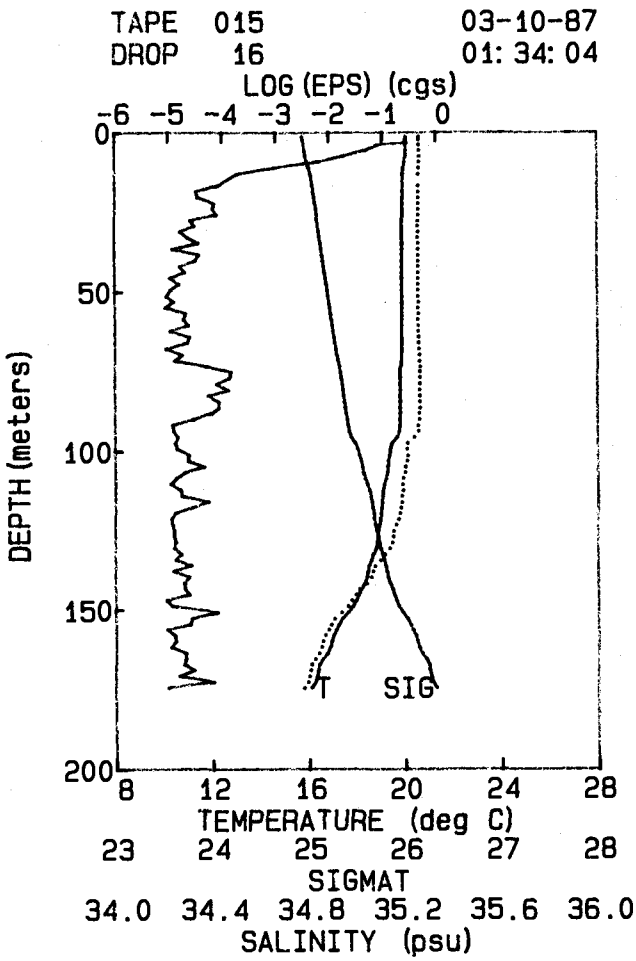
DROP 15
03-10-87
01: 25: 46
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 015
DROP 16
03-10-87
01: 34: 04
LOG (EPS) (cgs)
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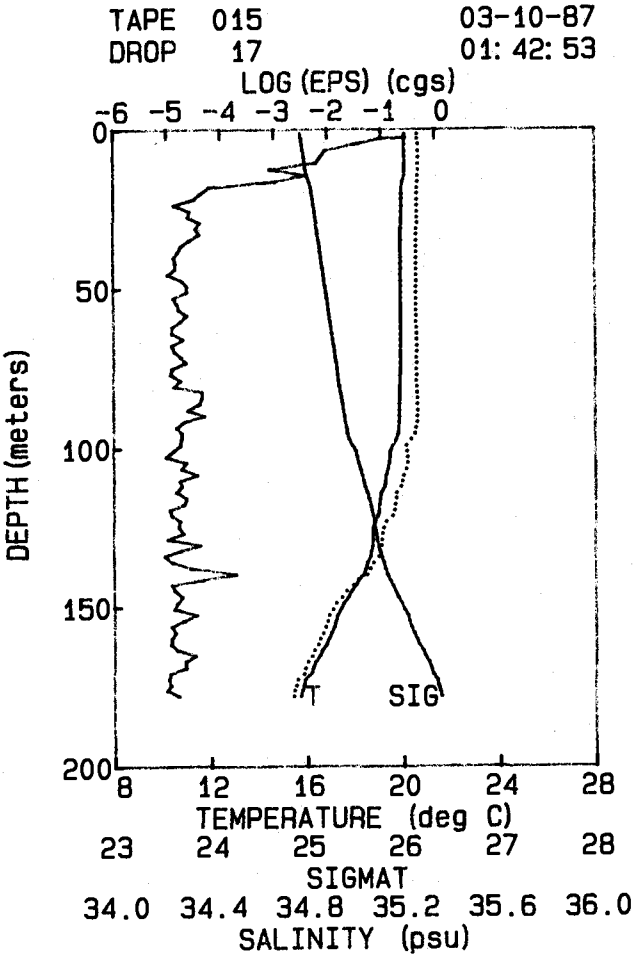
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 17
03-10-87
01: 42: 53
LOG (EPS) (cgs)
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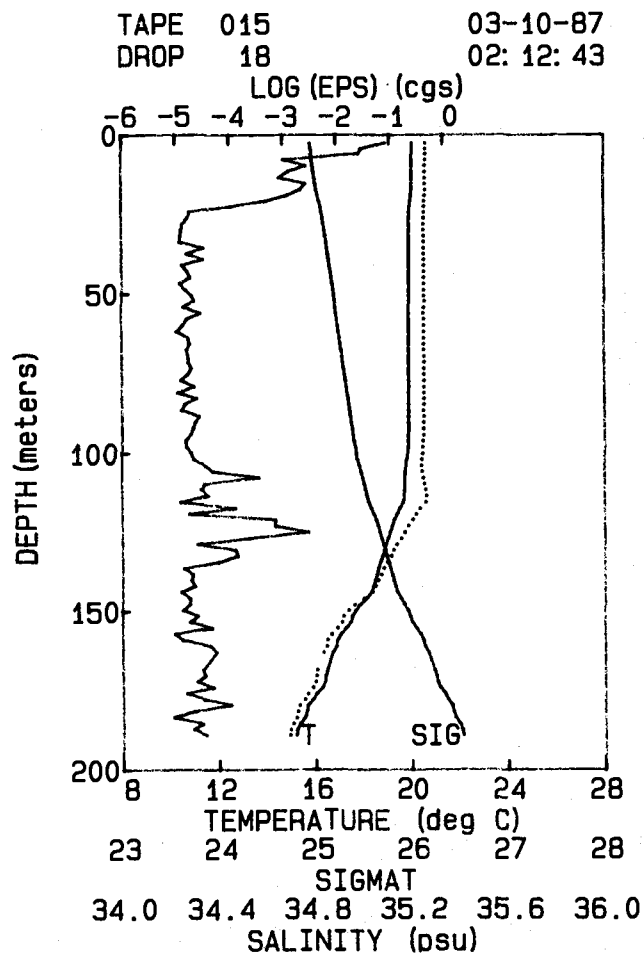
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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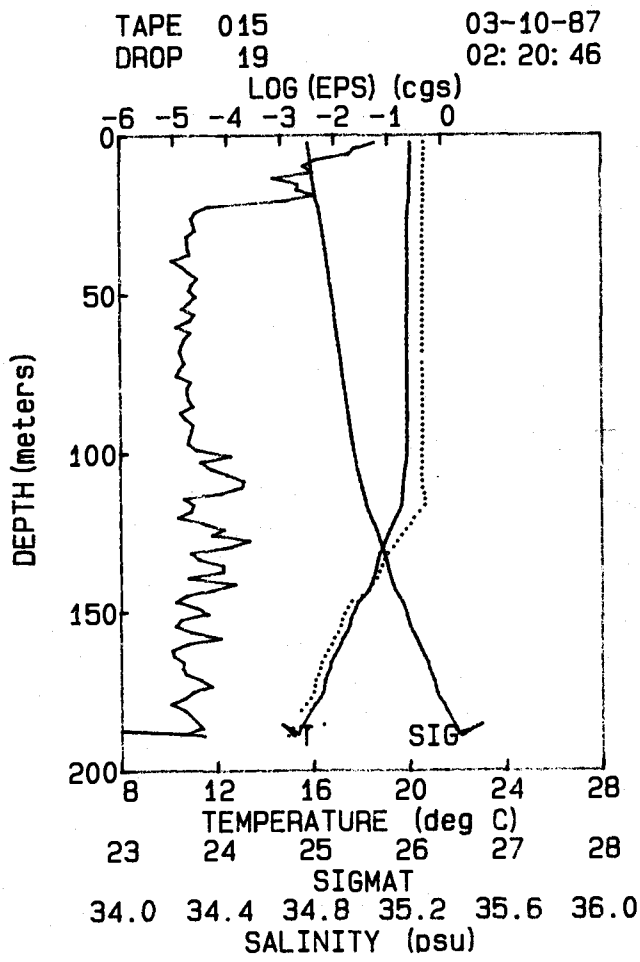
DROP 18
03-10-87
02: 12: 43
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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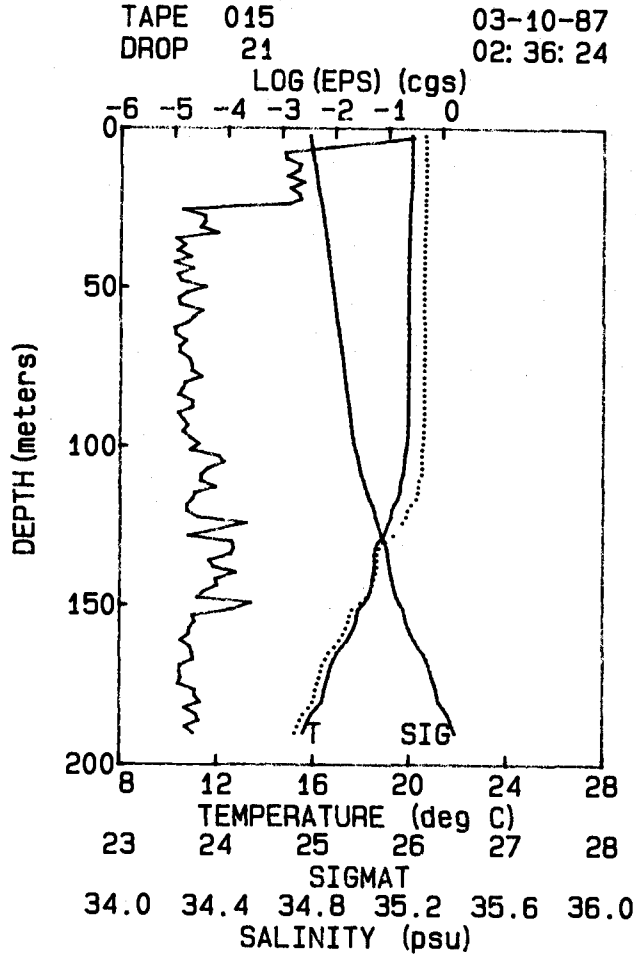
DROP 19
03-10-87
02: 20: 46
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-10-87
02: 36: 24
LOG (EPS) (cgs)
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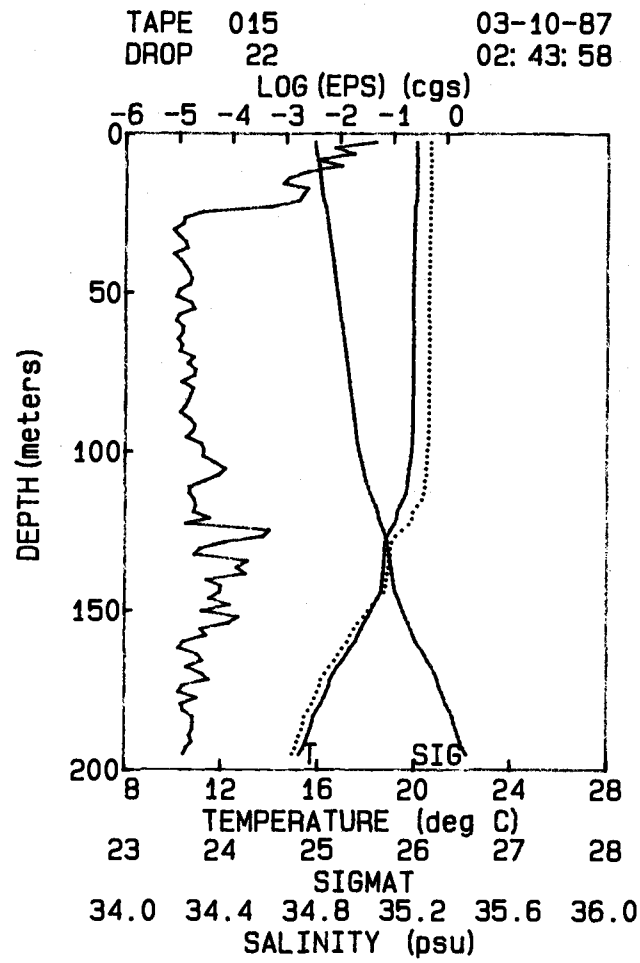
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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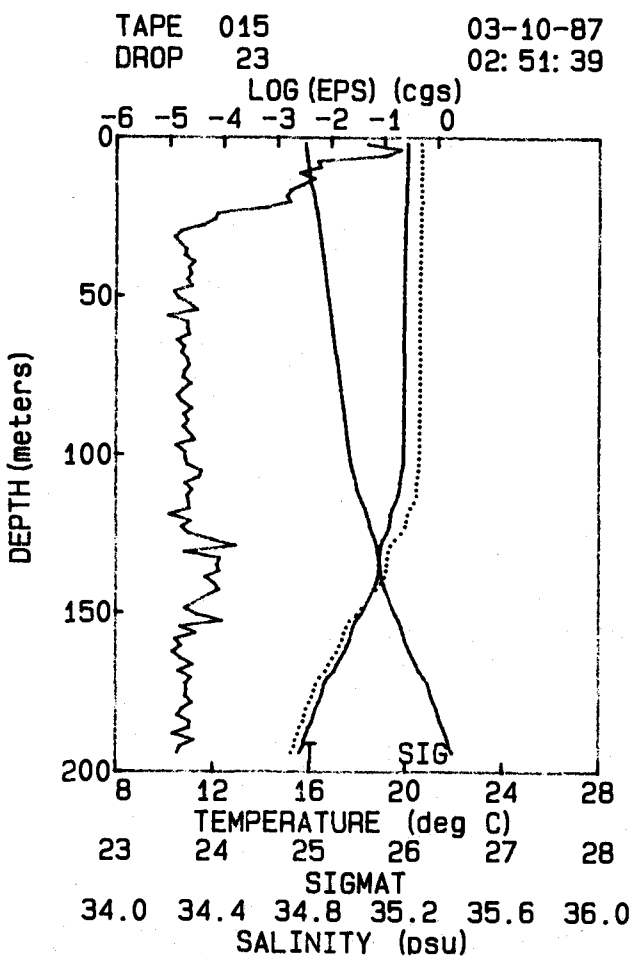
03-10-87
02: 43: 58
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-10-87
02: 51: 39
LOG (EPS) (cgs)
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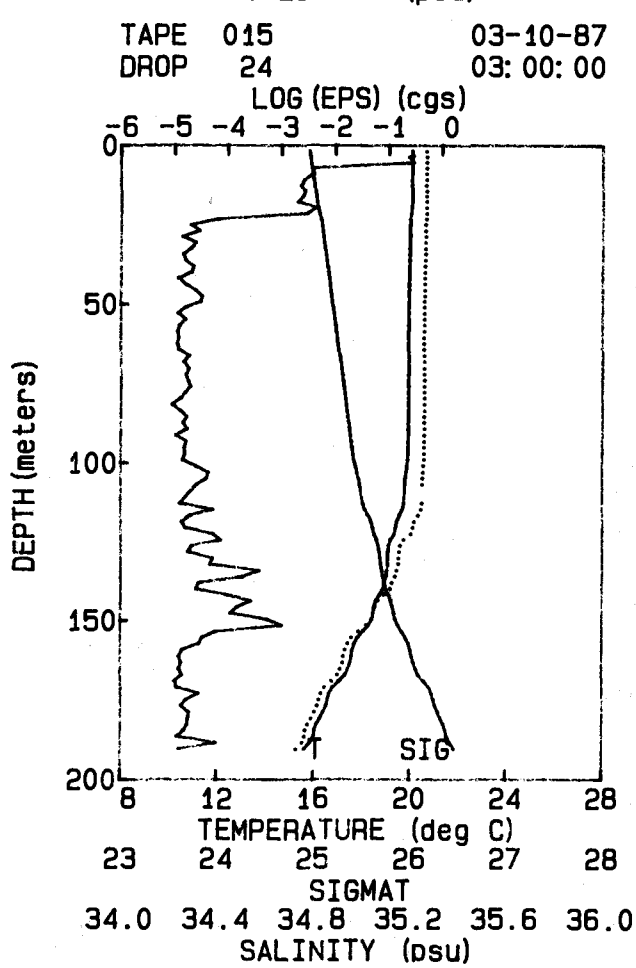
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-10-87
03: 00: 00
LOG (EPS) (cgs)
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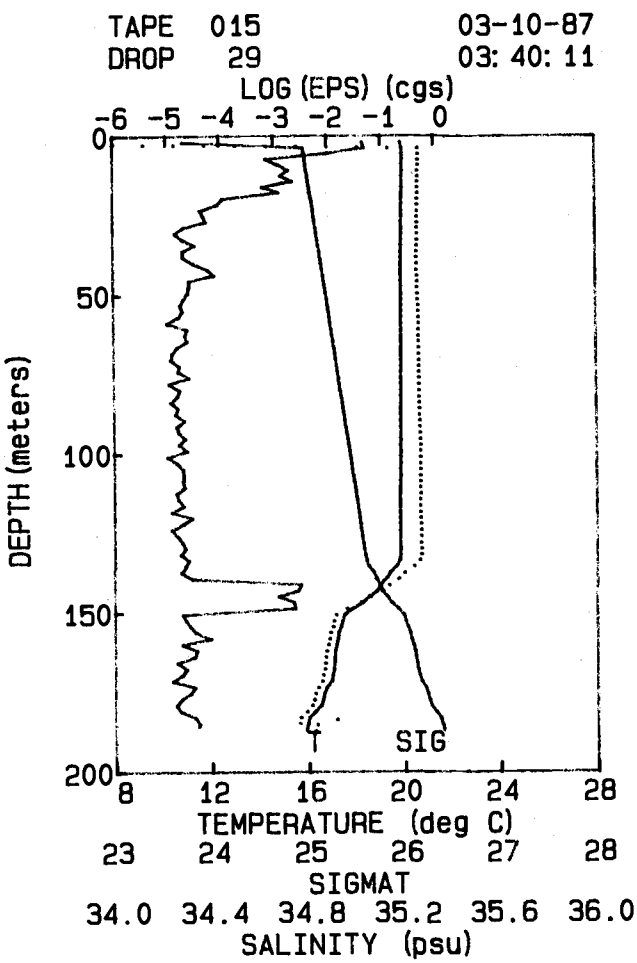
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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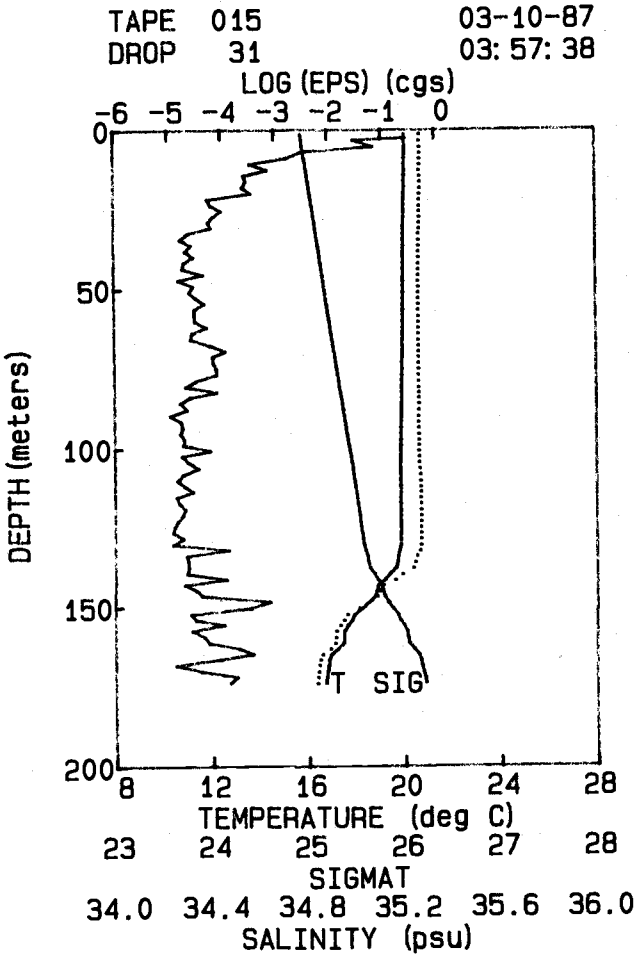
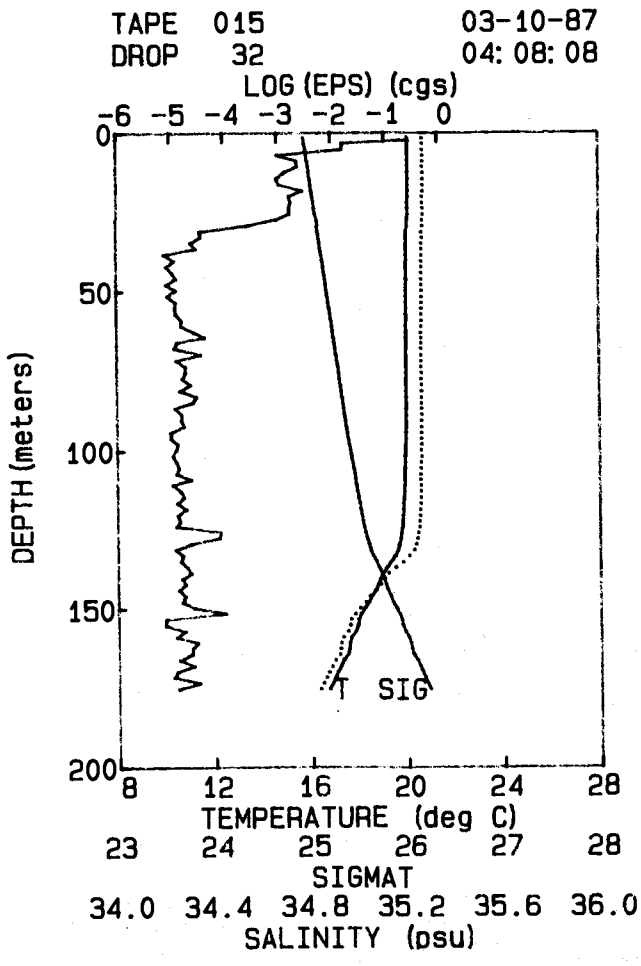
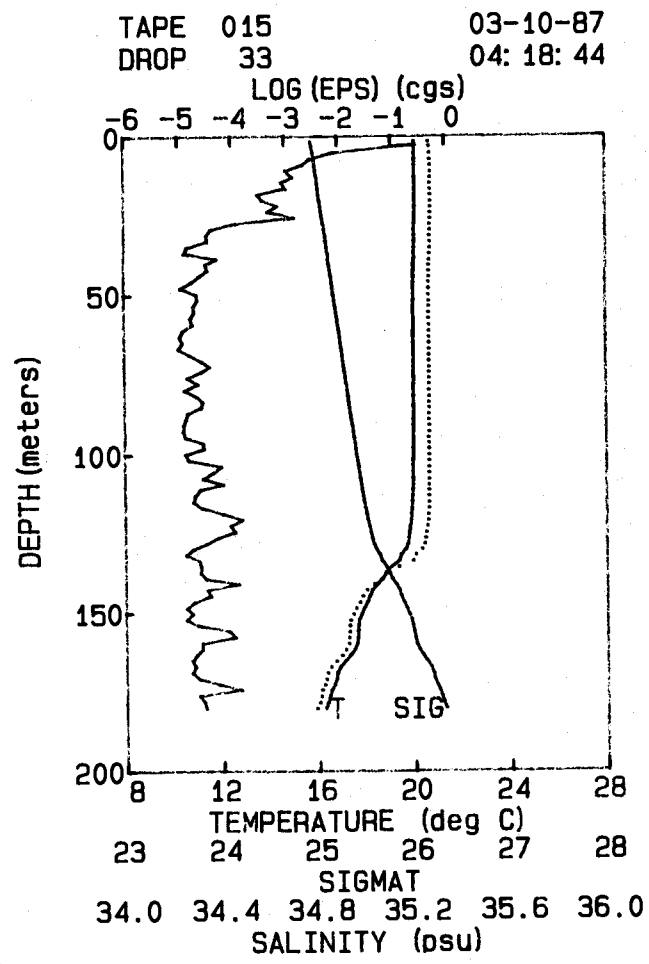
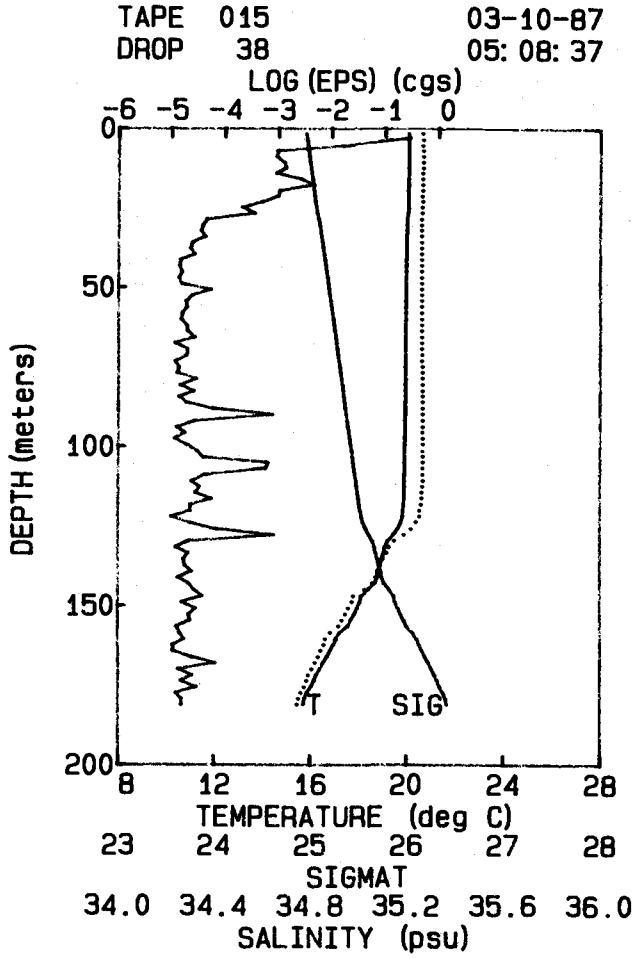
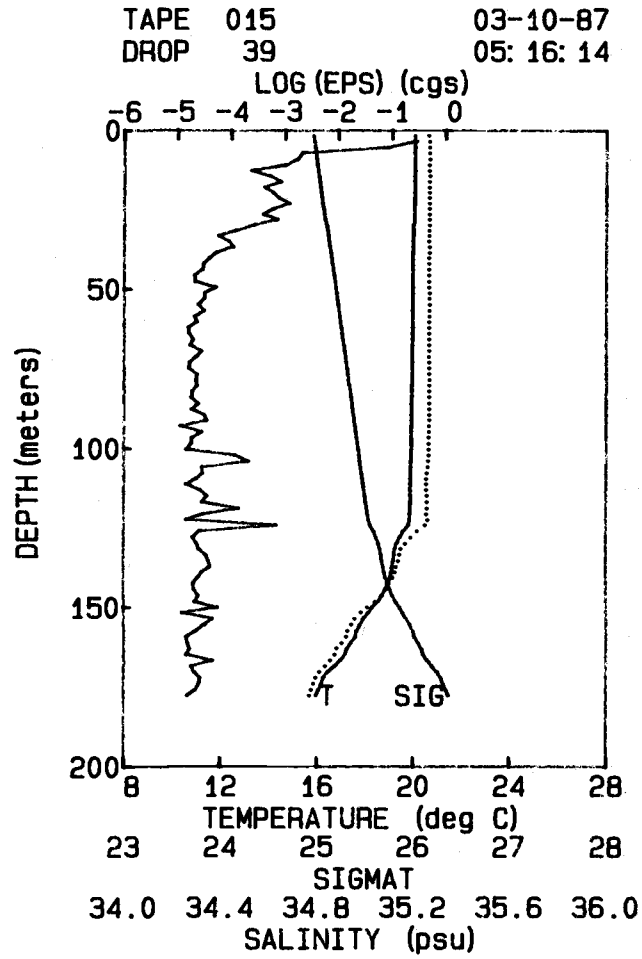
DROP 29
03-10-87
03: 40: 11
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 015
DROP 31
03-10-87
03: 57: 38
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 015
DROP 32
03-10-87
04: 08: 08
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 015
DROP 33
03-10-87
04: 18: 44
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 015
DROP 38
03-10-87
05: 08: 37
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 39
03-10-87
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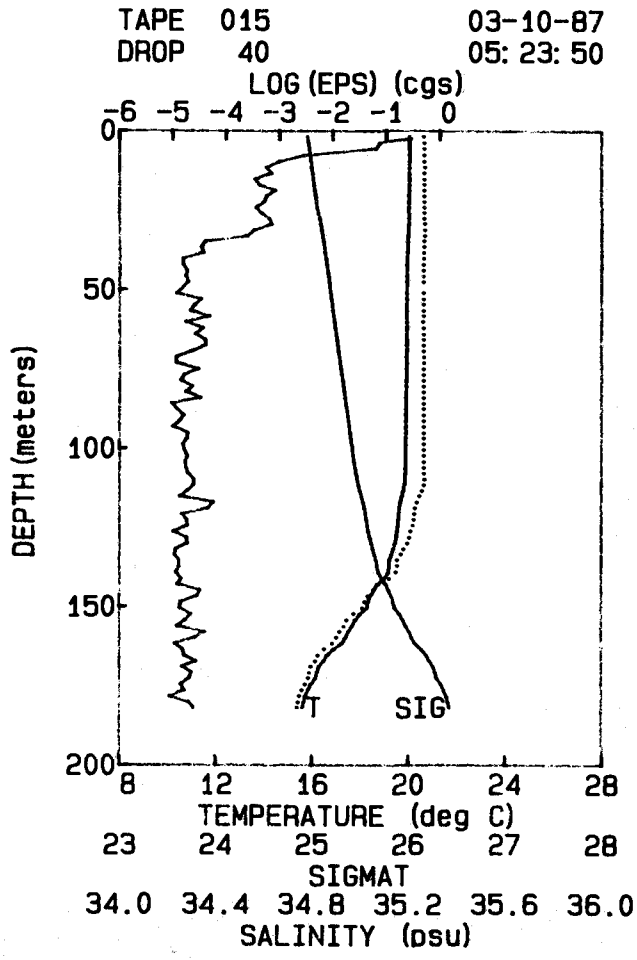
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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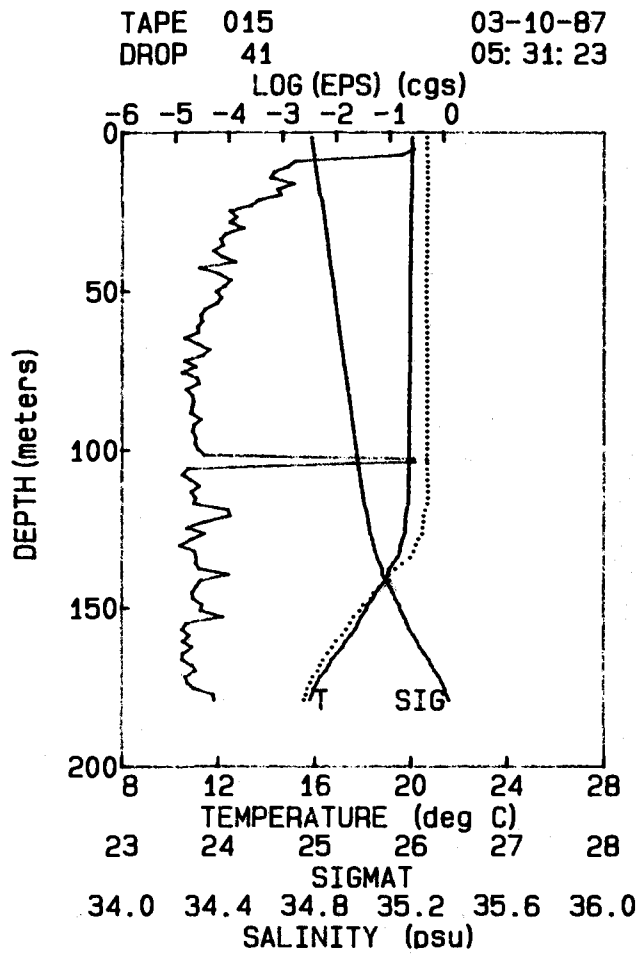
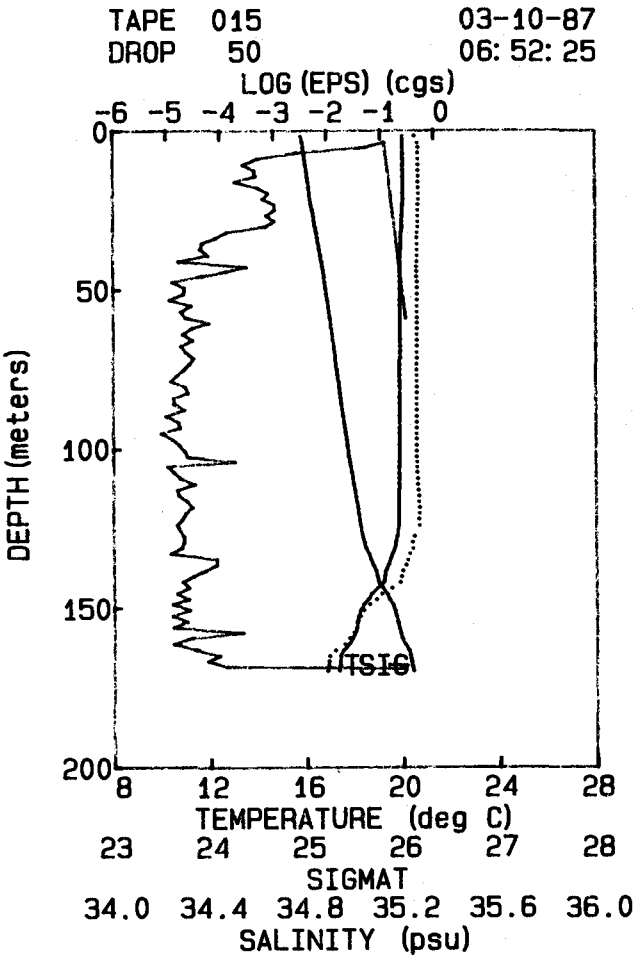
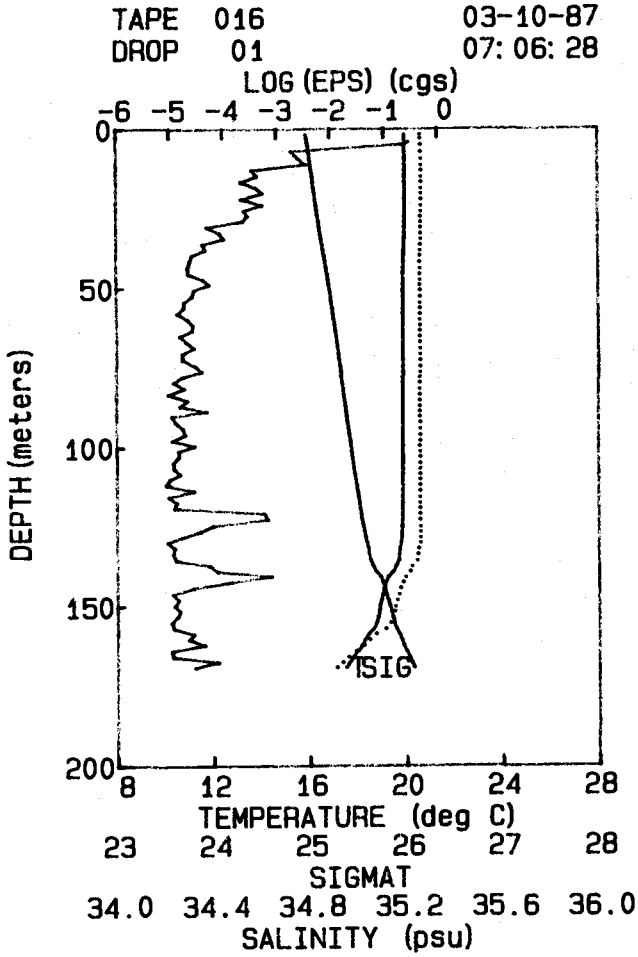
DROP 40
03-10-87
05: 23: 50
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 015
DROP 41
03-10-87
05: 31: 23
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 015
DROP 50
03-10-87
06: 52: 25
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 016
DROP 01
03-10-87
07: 06: 28
LOG (EPS) (cgs)
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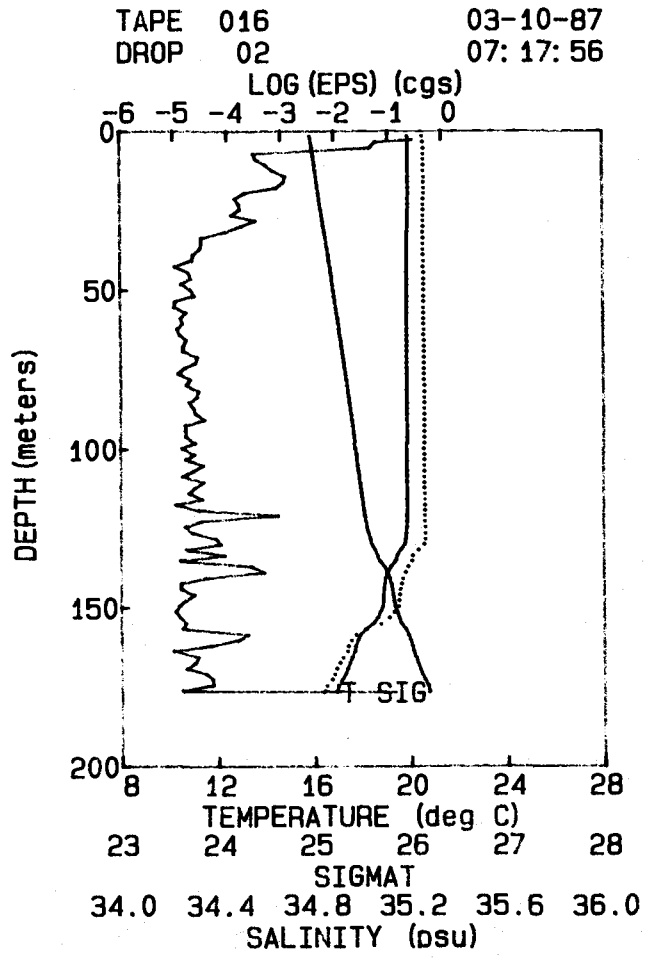
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 02
03-10-87
07: 17: 56
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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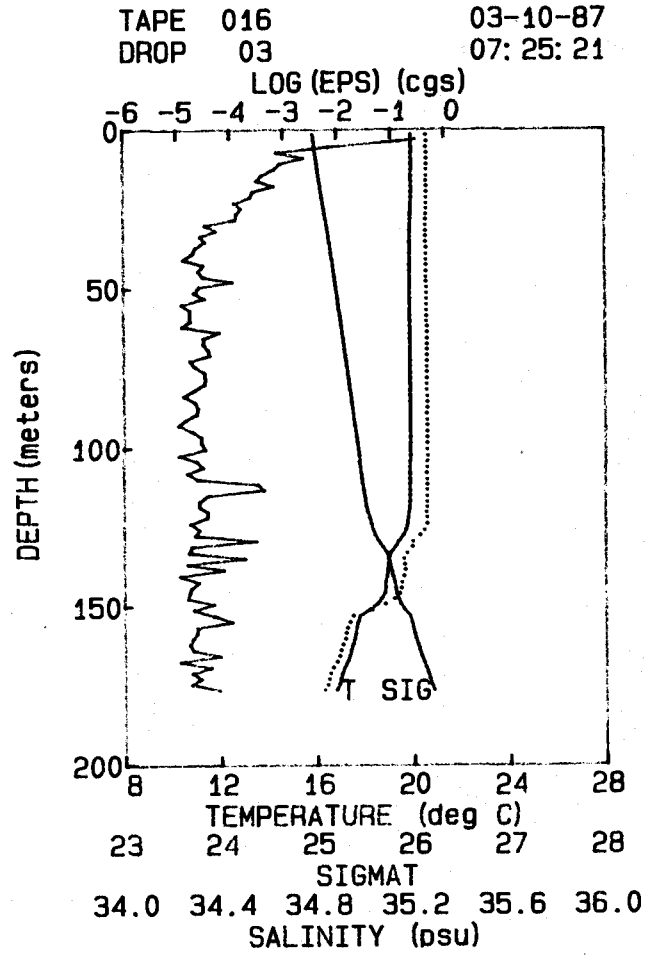
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 03
03-10-87
07: 25: 21
LOG (EPS) (cgs)
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DEPTH (meters)
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100
150
200
T
SIG
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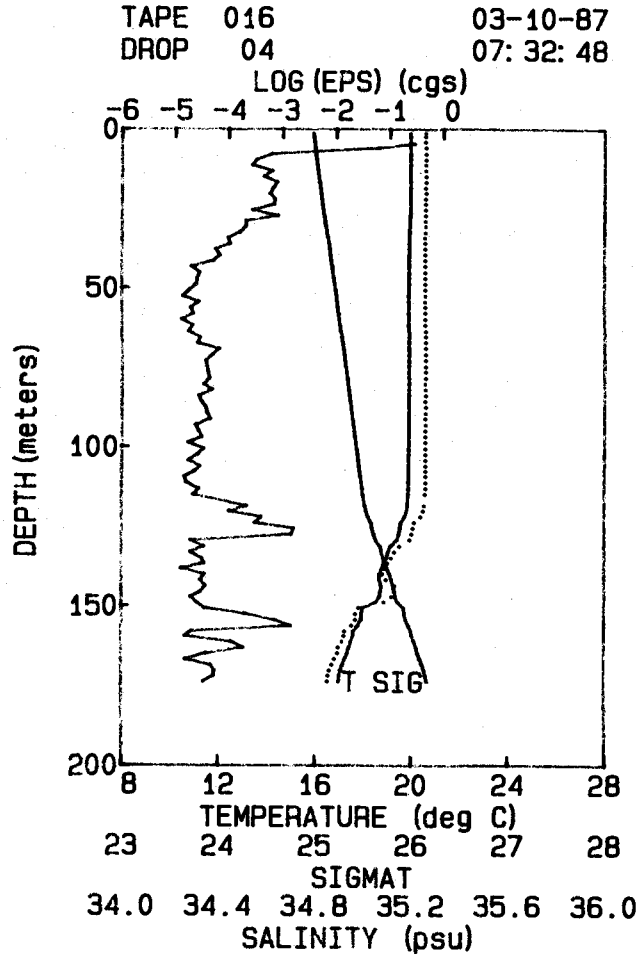
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 04
03-10-87
07: 32: 48
LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
T SIG
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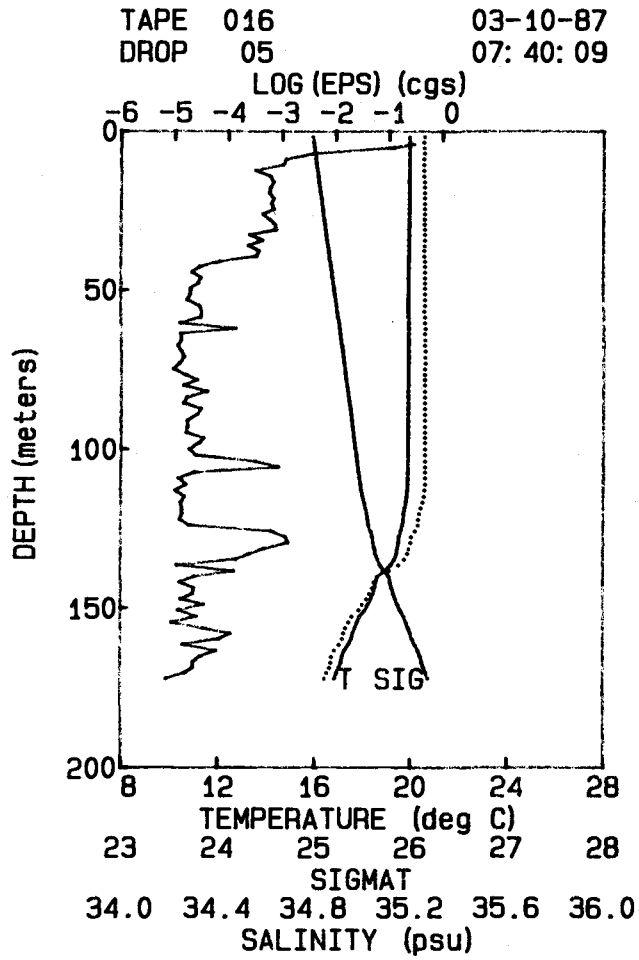
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 016
DROP 05
03-10-87
07: 40: 09
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T SIG
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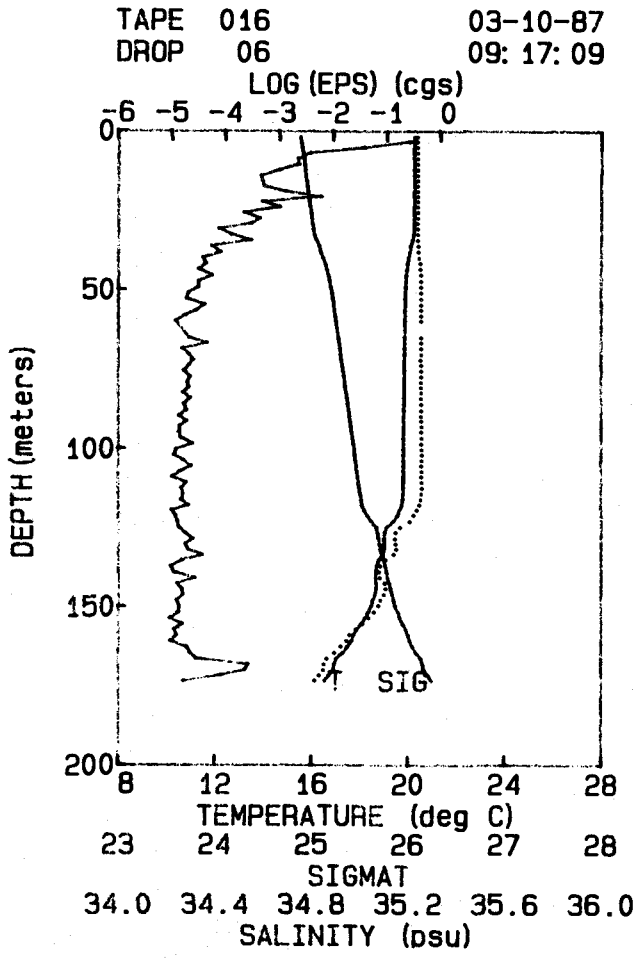
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-10-87
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DEPTH (meters)
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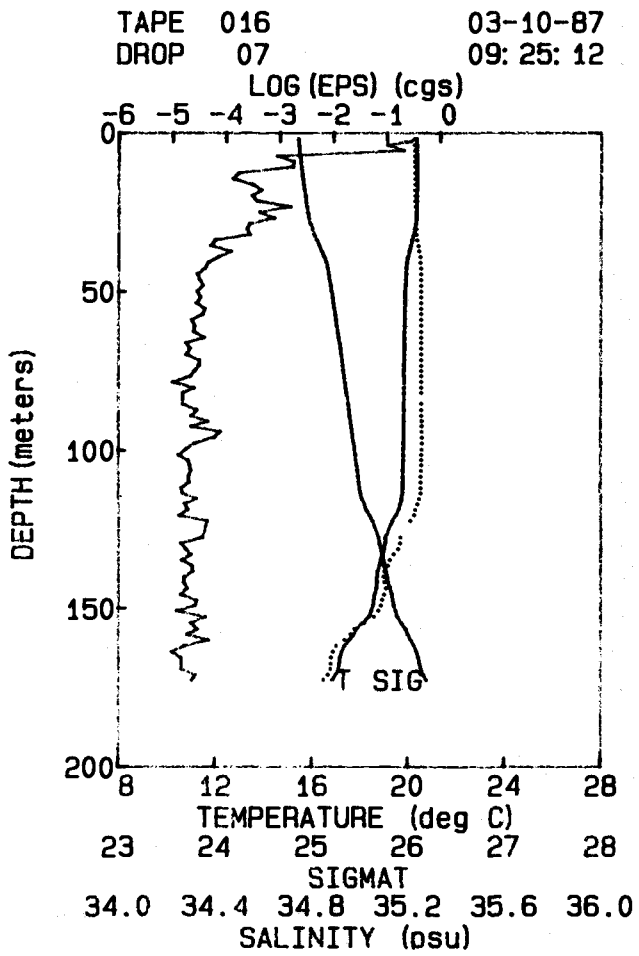
100
150
200
T SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 07
03-10-87
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LOG (EPS) (cgs)
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DEPTH (meters)
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100
150
200
T SIG
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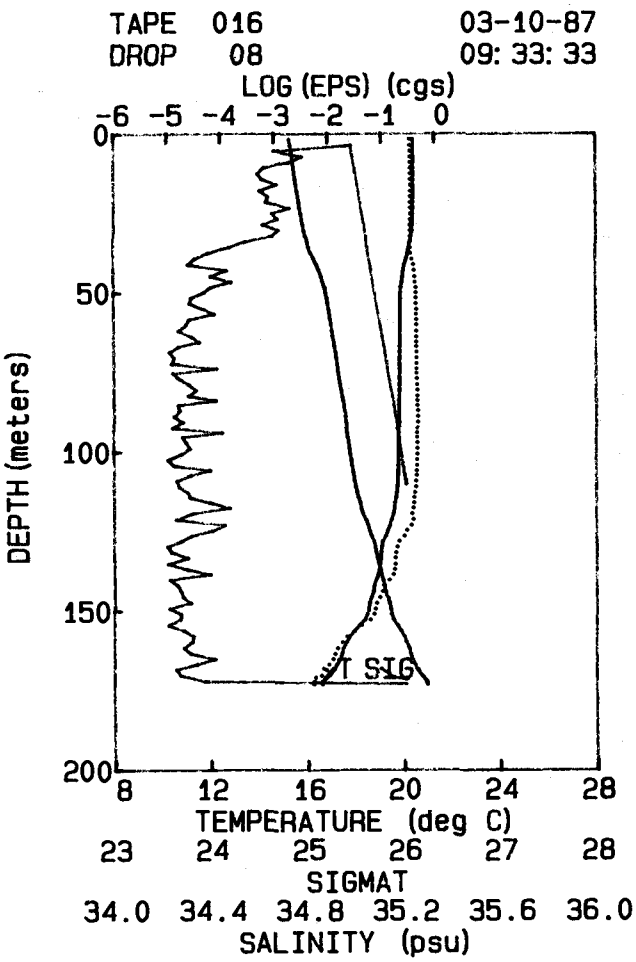
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 08
03-10-87
09: 33: 33
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
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100
150
200
T SIG
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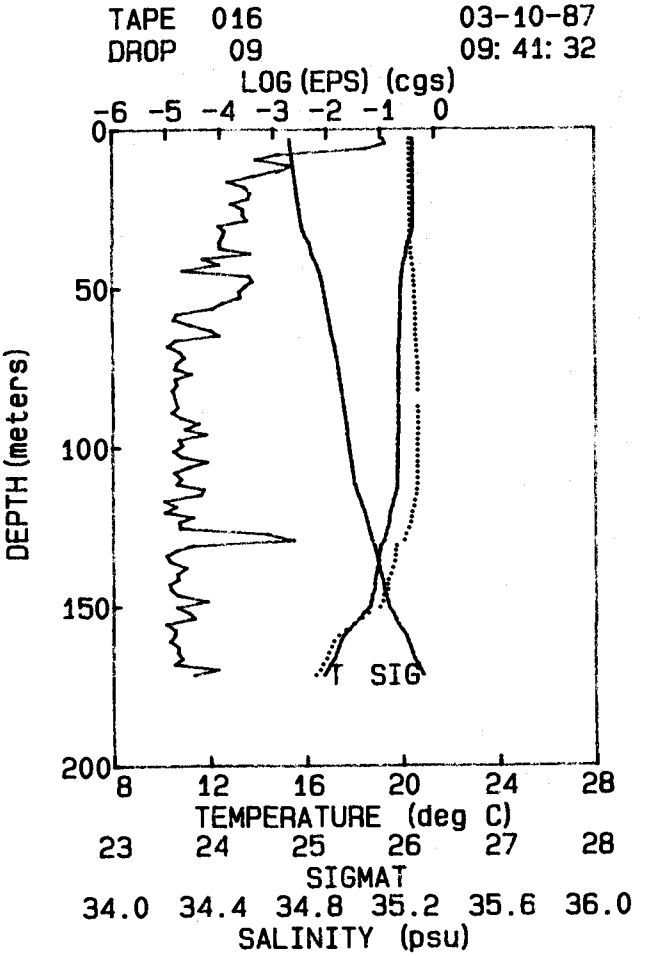
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 016
DROP 09
03-10-87
09: 41: 32
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T SIG
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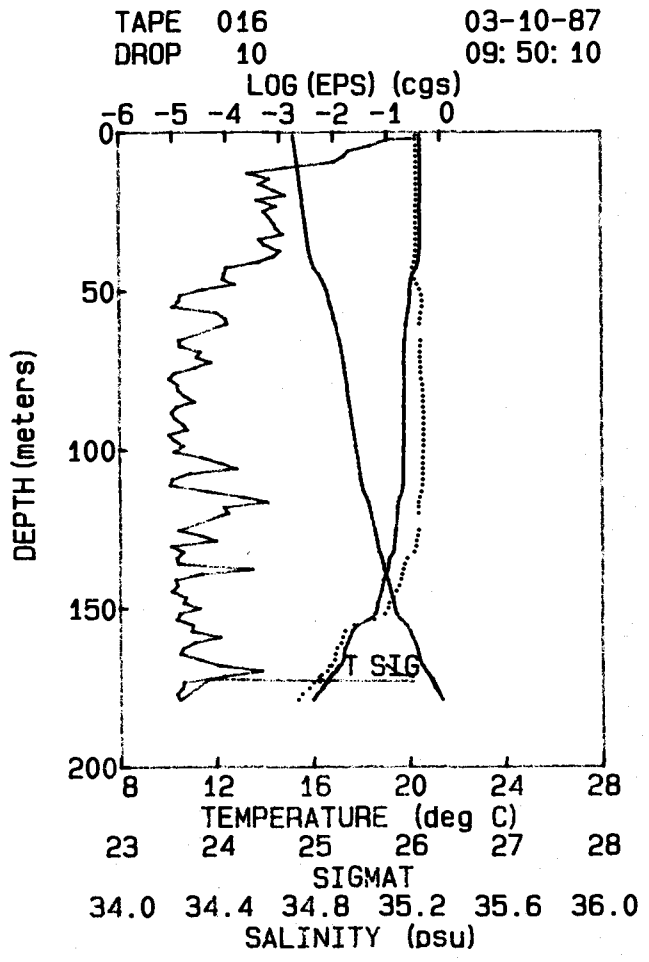
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-10-87
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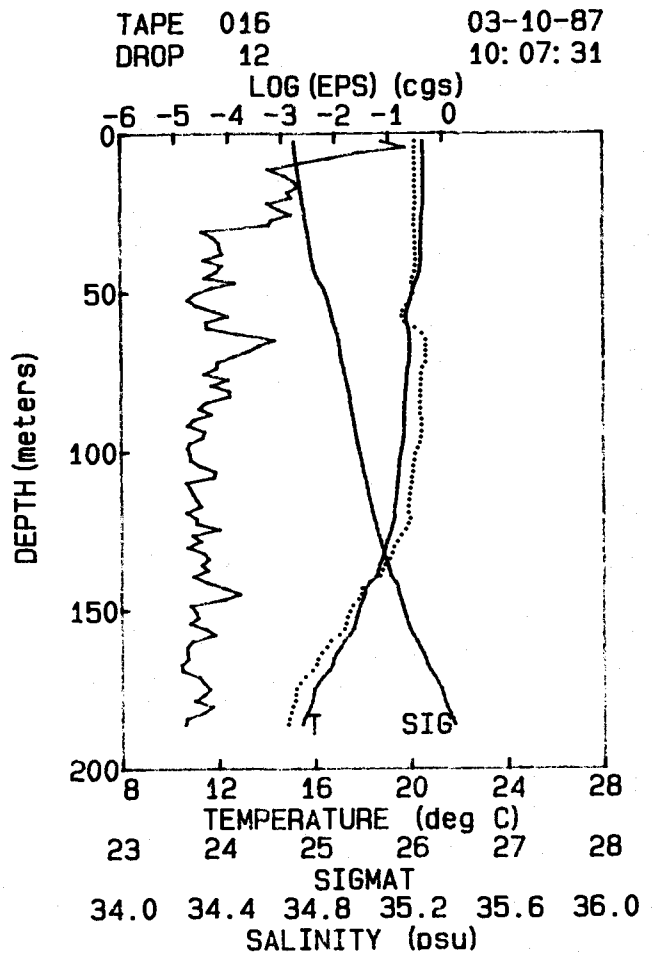
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-10-87
10: 07: 31
LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
T SIG
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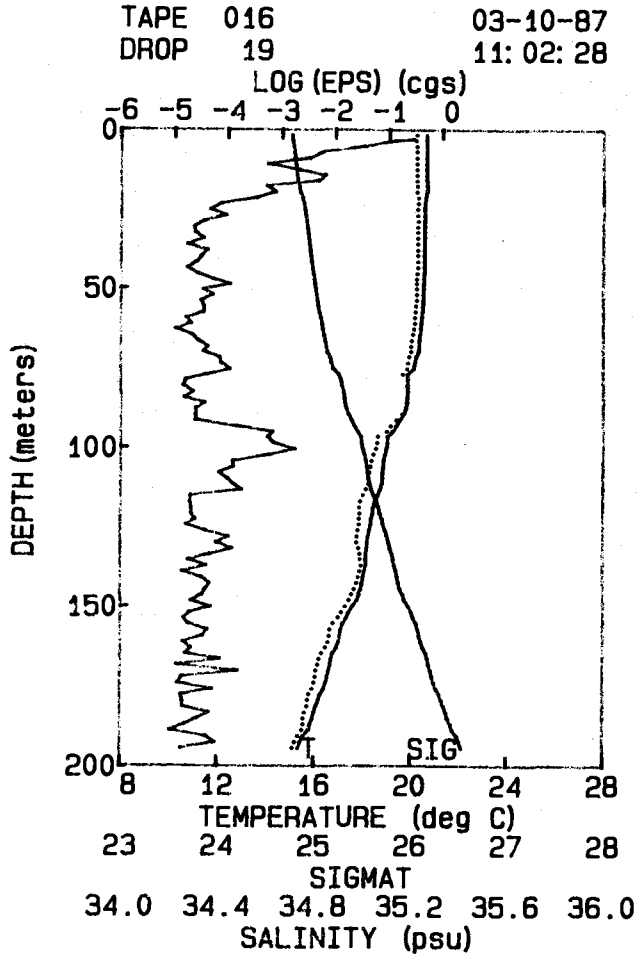
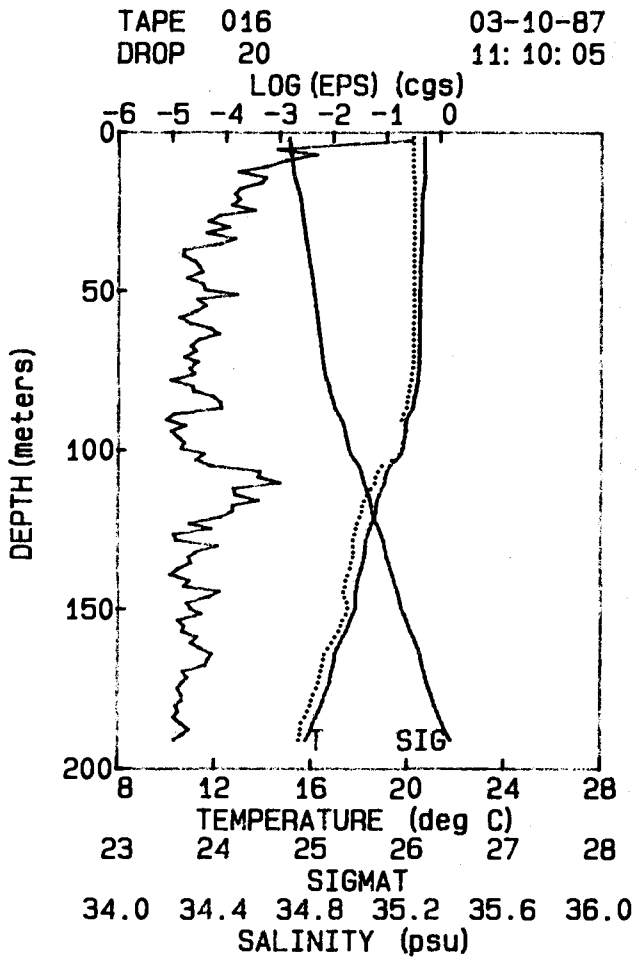
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 016
DROP 19
03-10-87
11: 02: 28
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-10-87
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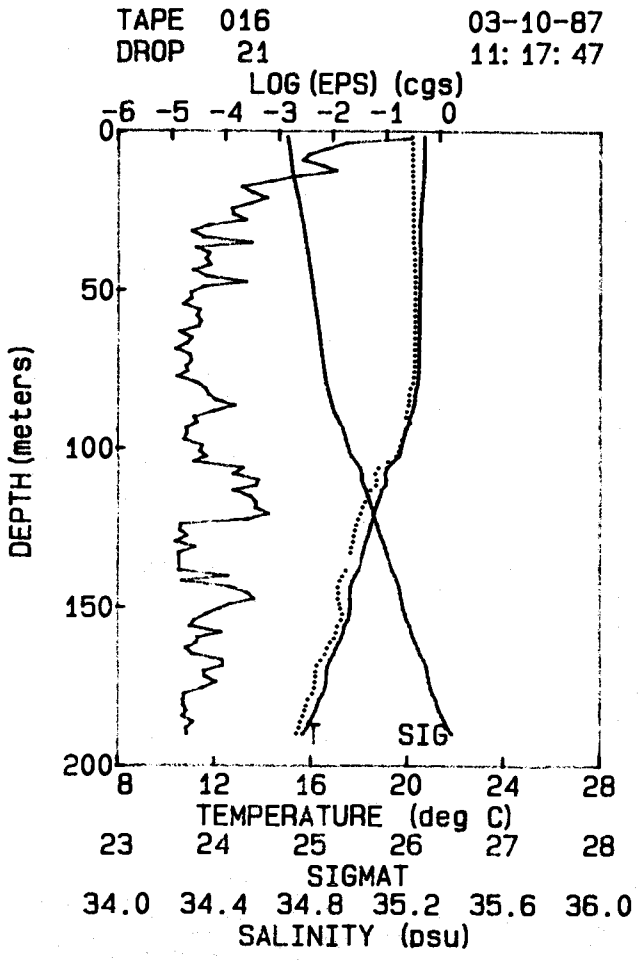
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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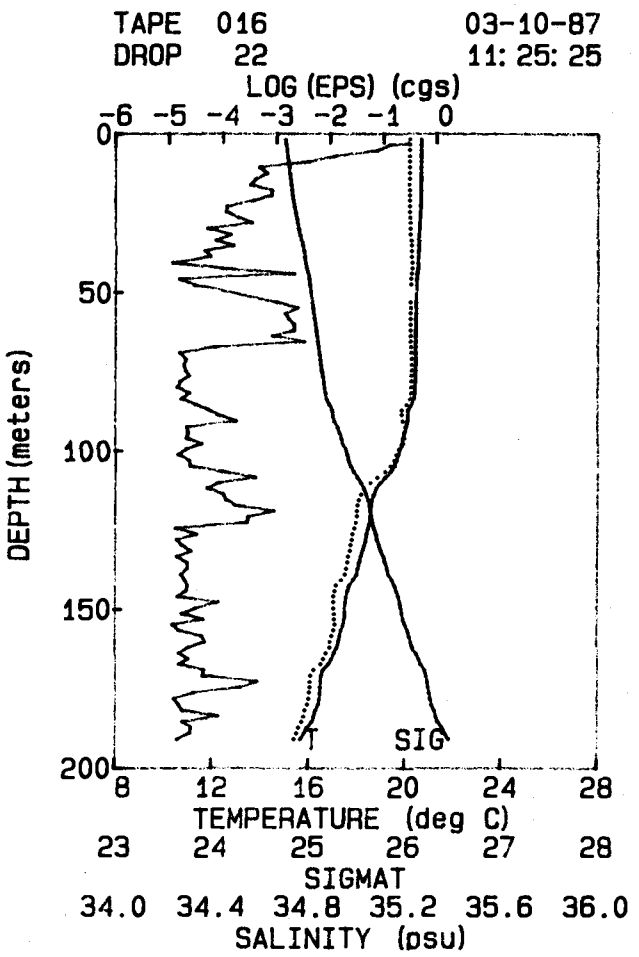
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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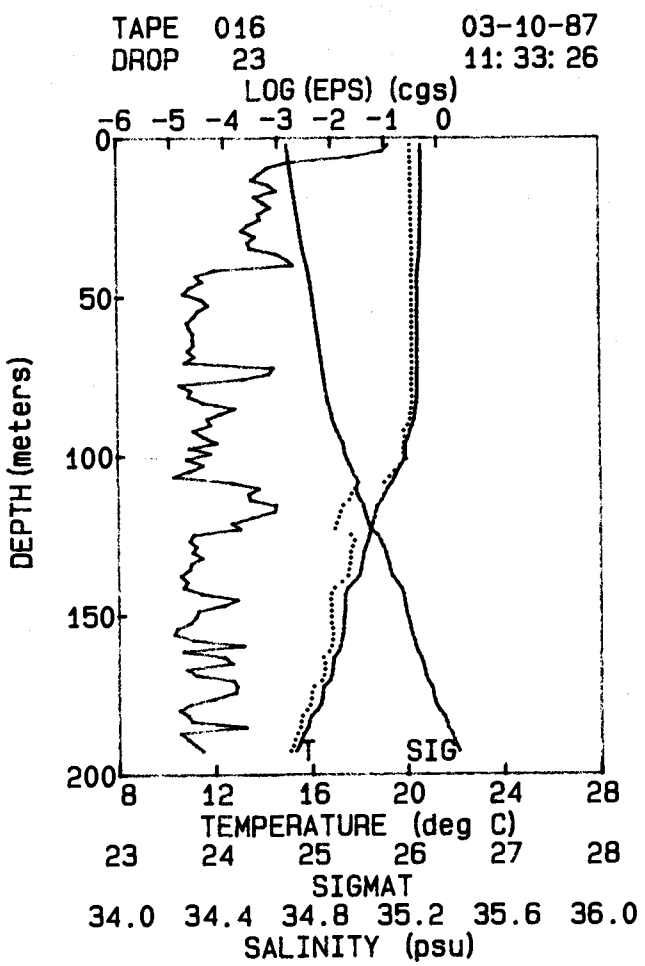
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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11: 33: 26
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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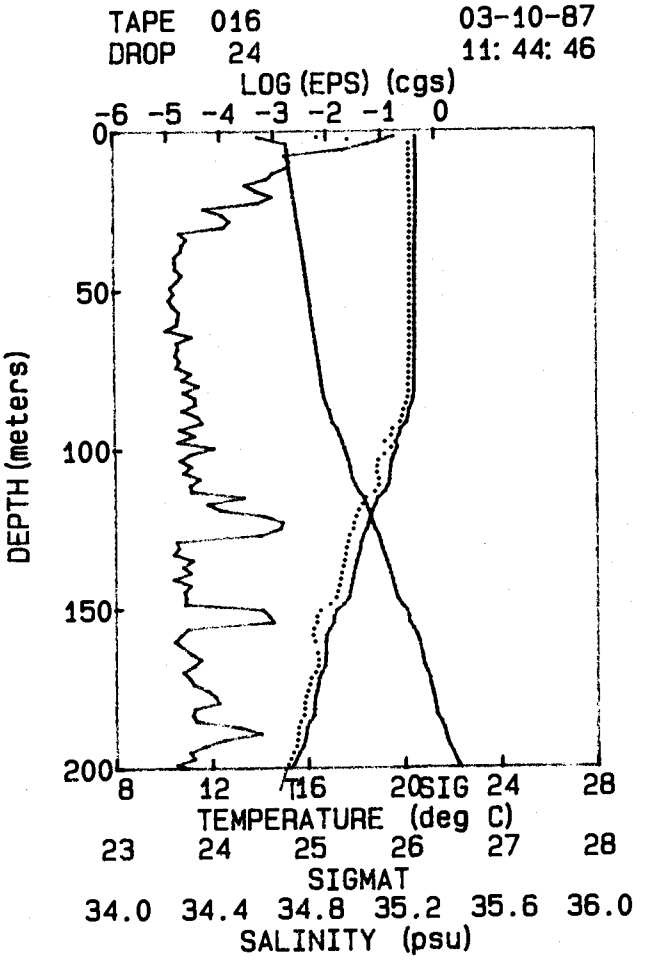
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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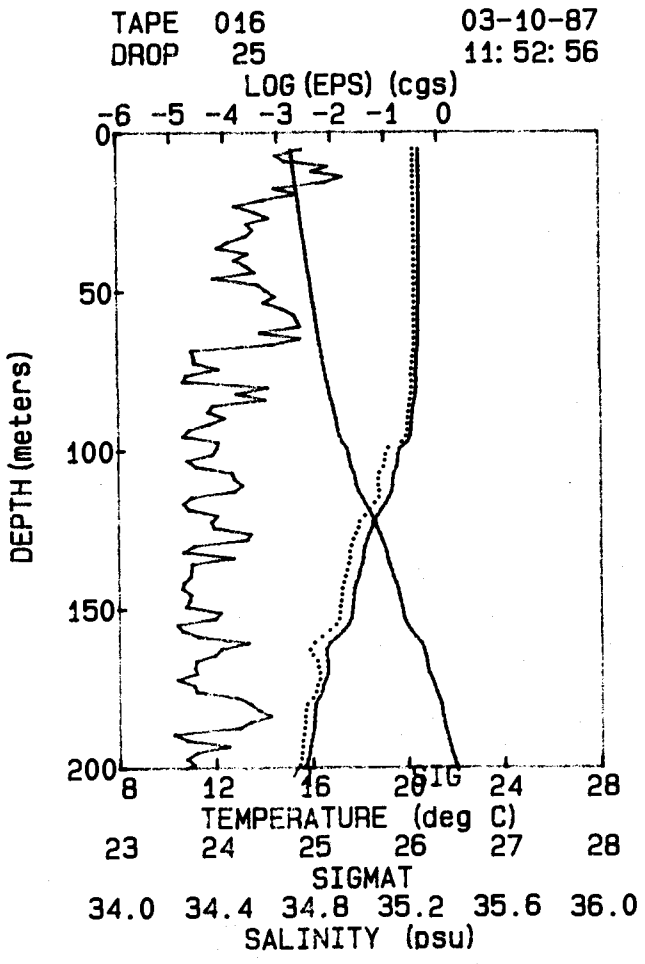
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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11: 52: 56
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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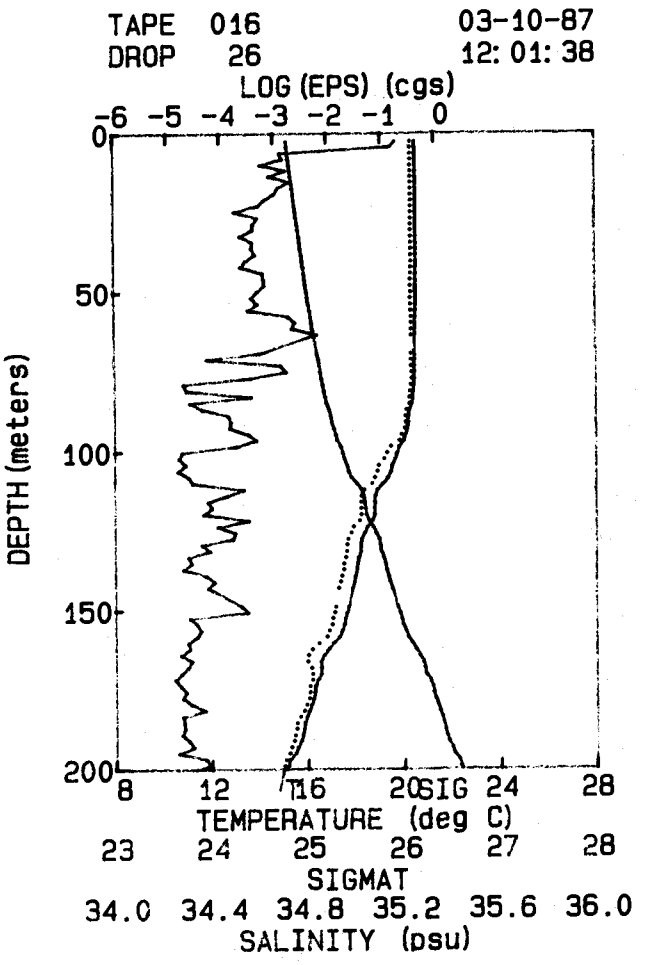
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-10-87
12: 01: 38
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
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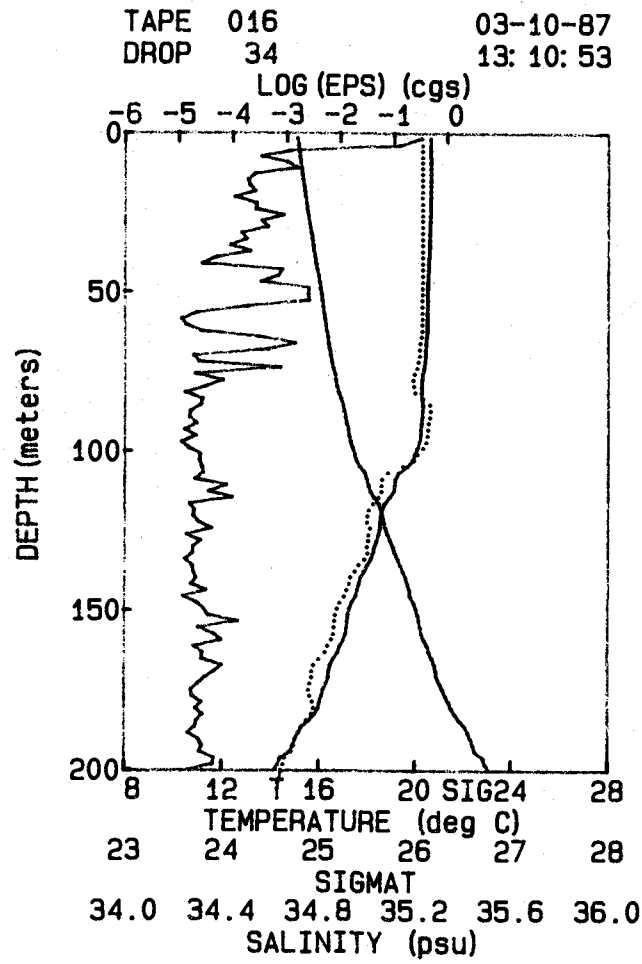
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
0
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100
150
200
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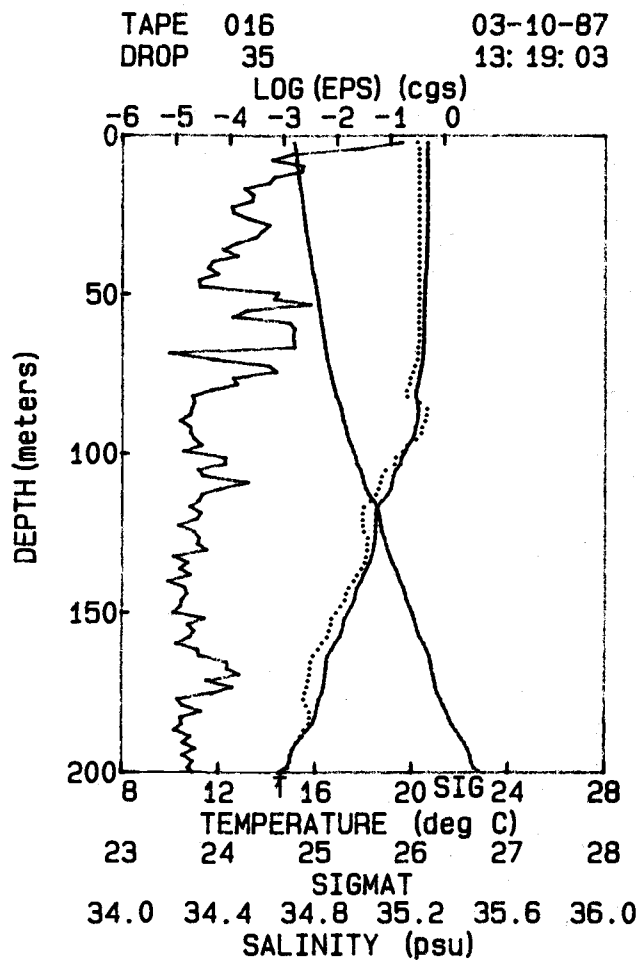
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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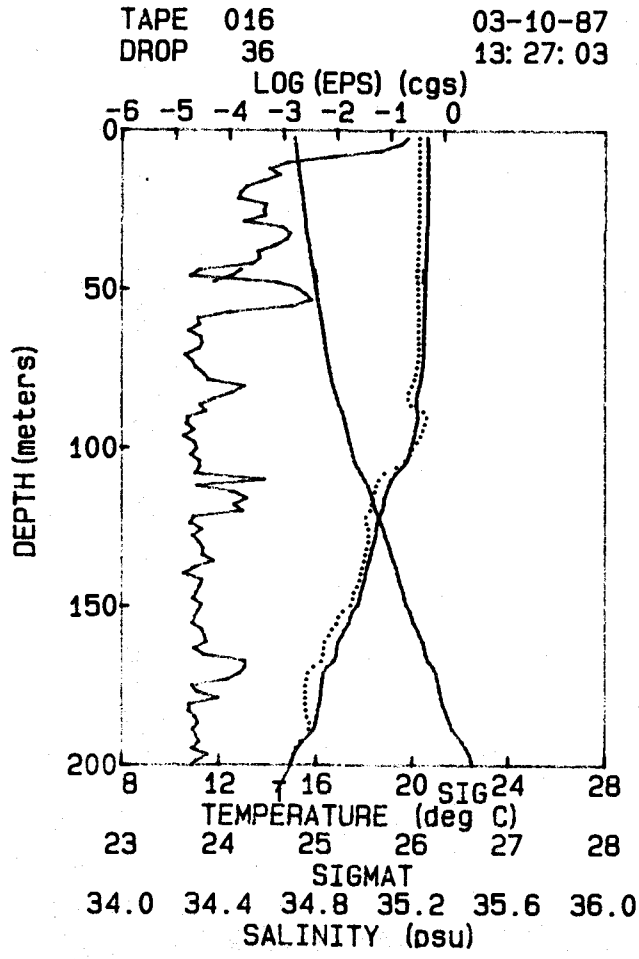
SALINITY (psu)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DEPTH (meters)
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100
150
200
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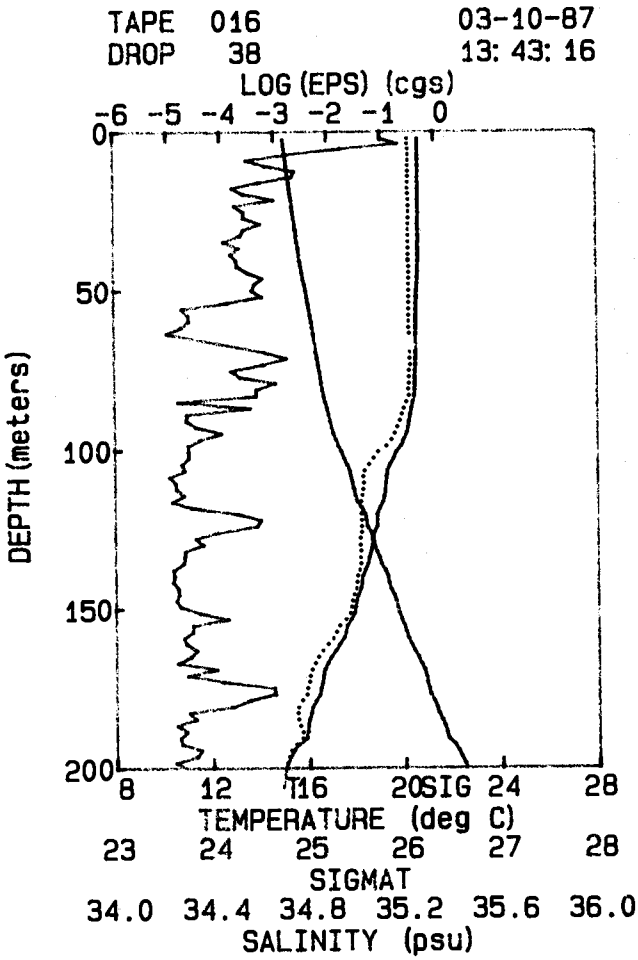
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
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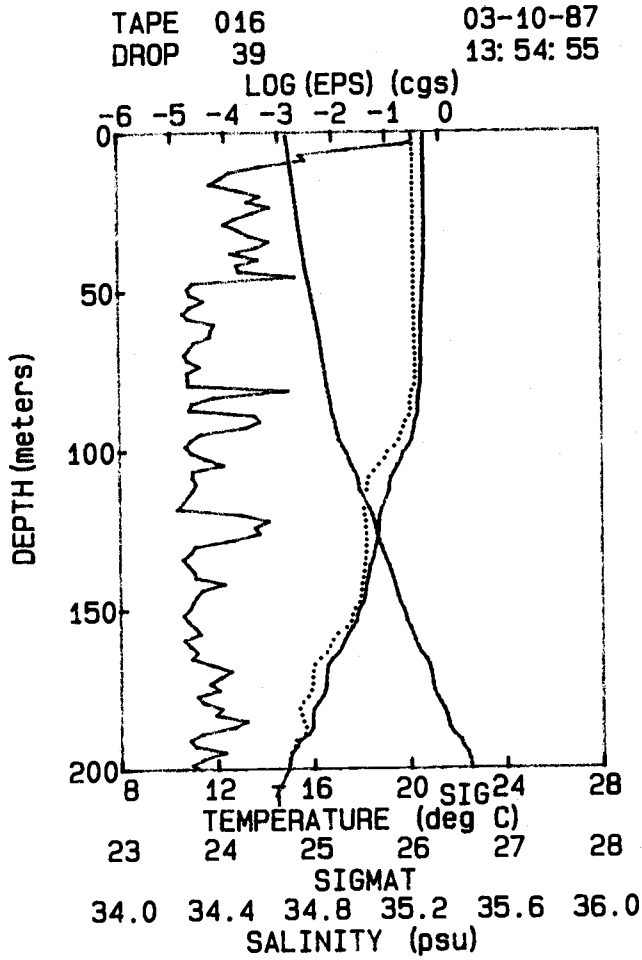
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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13: 54: 55
LOG (EPS) (cgs)
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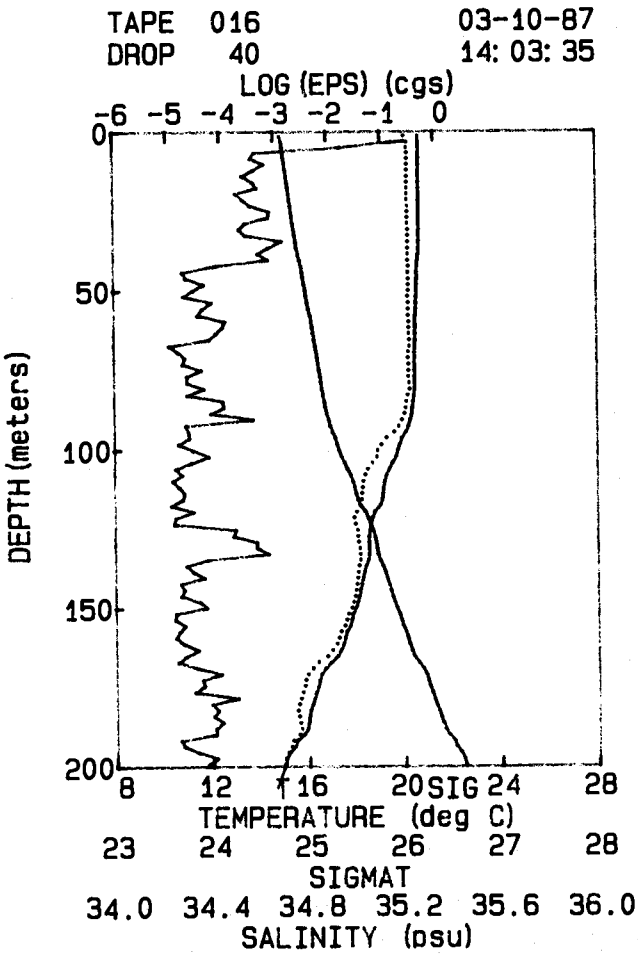
DEPTH (meters)
0
50
100
150
200
8 12 T 16 20 SIG 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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14: 03: 35
LOG (EPS) (cgs)
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DEPTH (meters)
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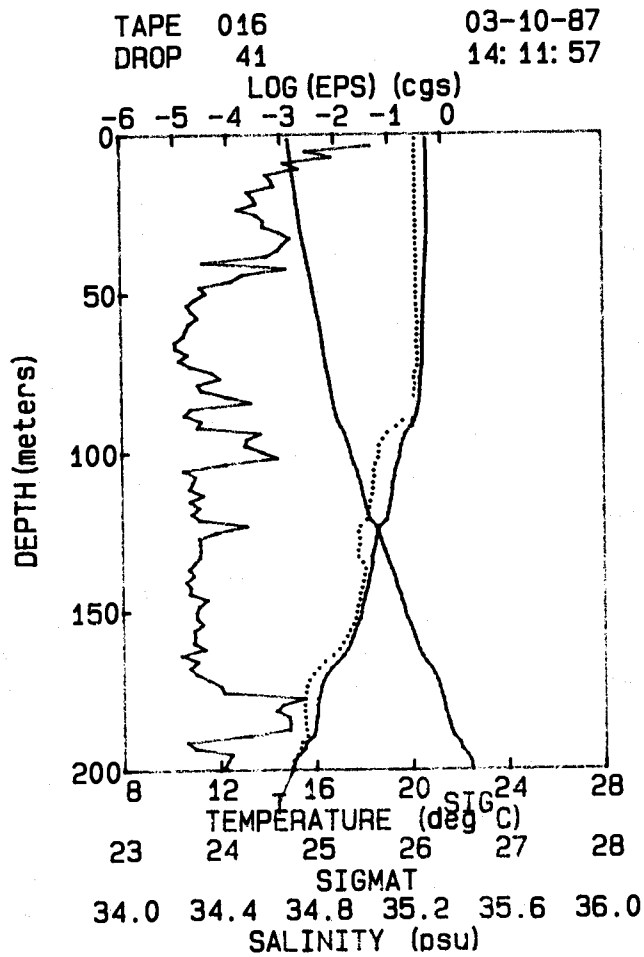
100
150
200
8 12 T 16 20 SIG 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 41
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DEPTH (meters)
0
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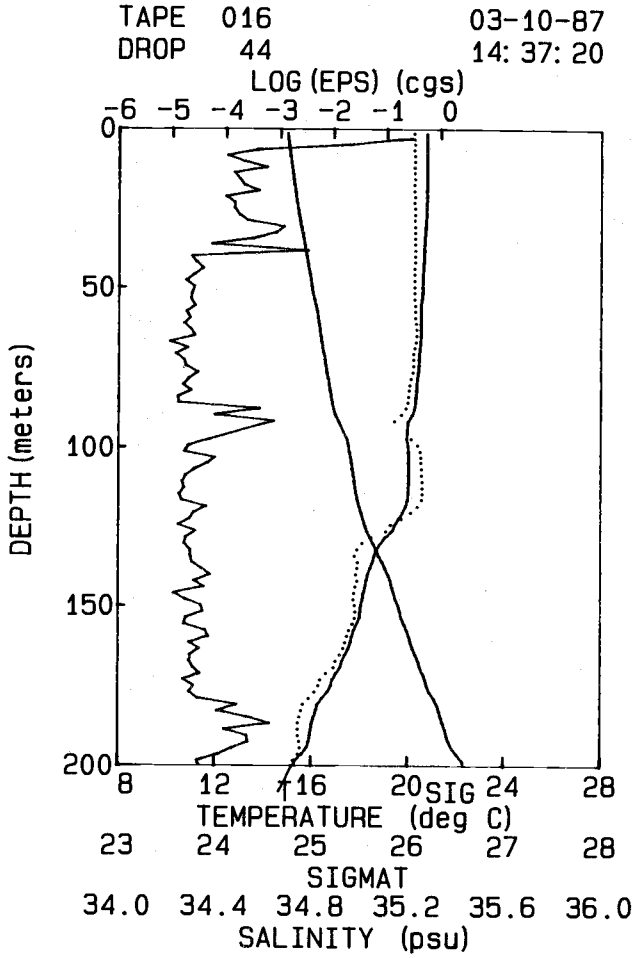
100
150
200
8 12 T 16 20 SIG 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
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TEMPERATURE (deg C)
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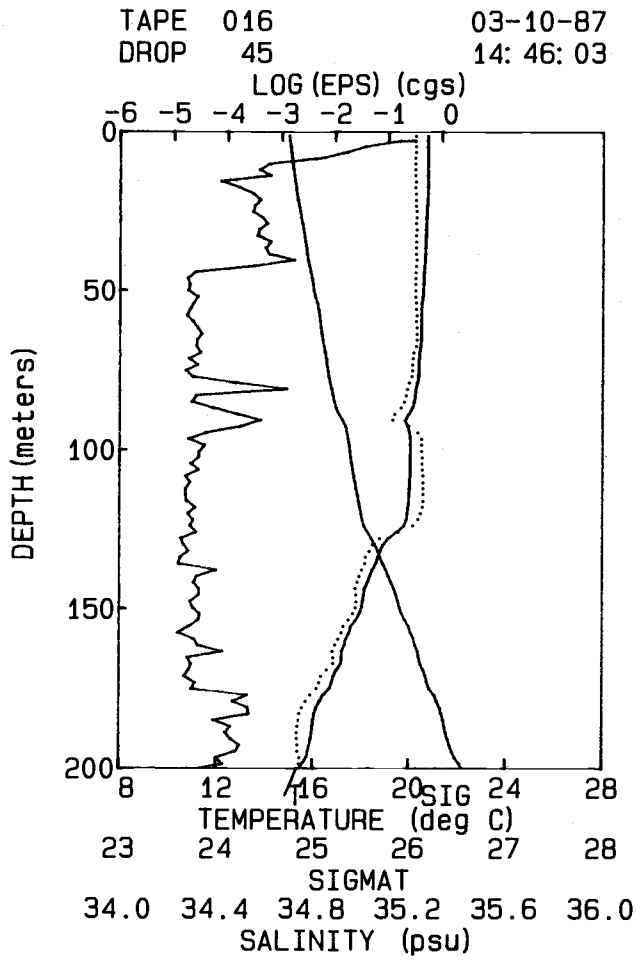
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
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TEMPERATURE (deg C)
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SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
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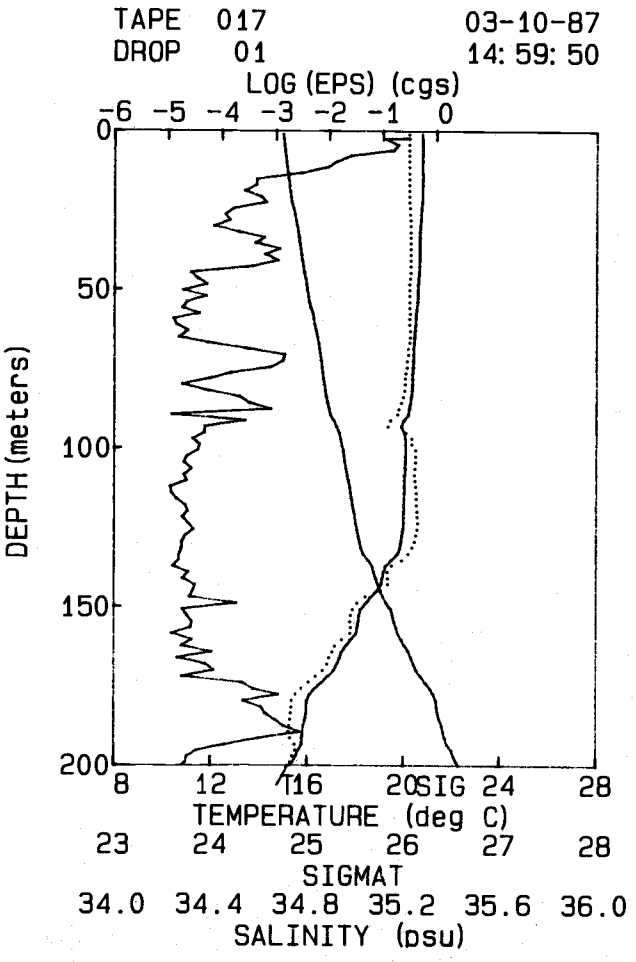
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DROP 01
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DEPTH (meters)
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50
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150
200
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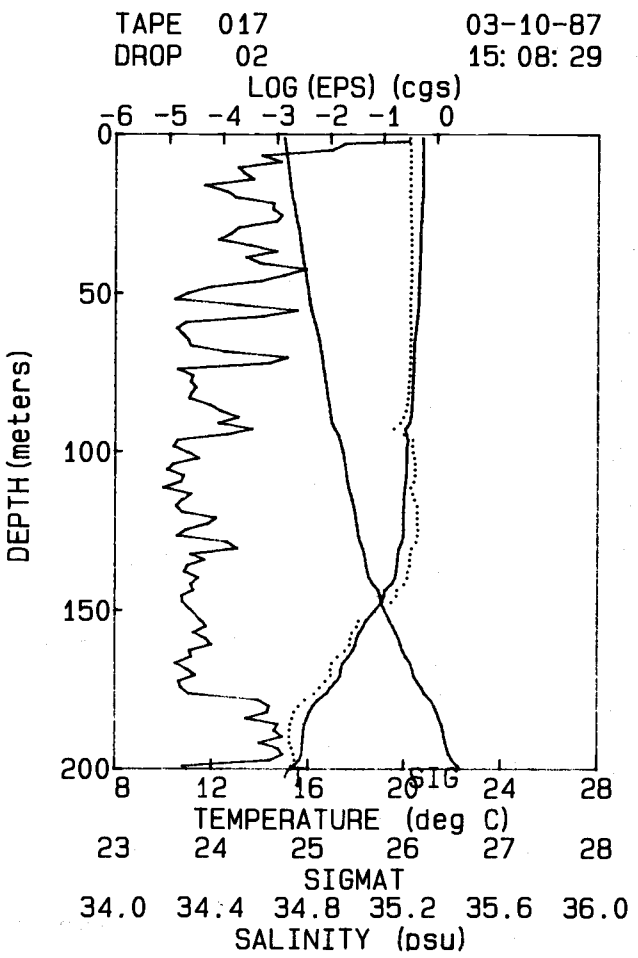
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
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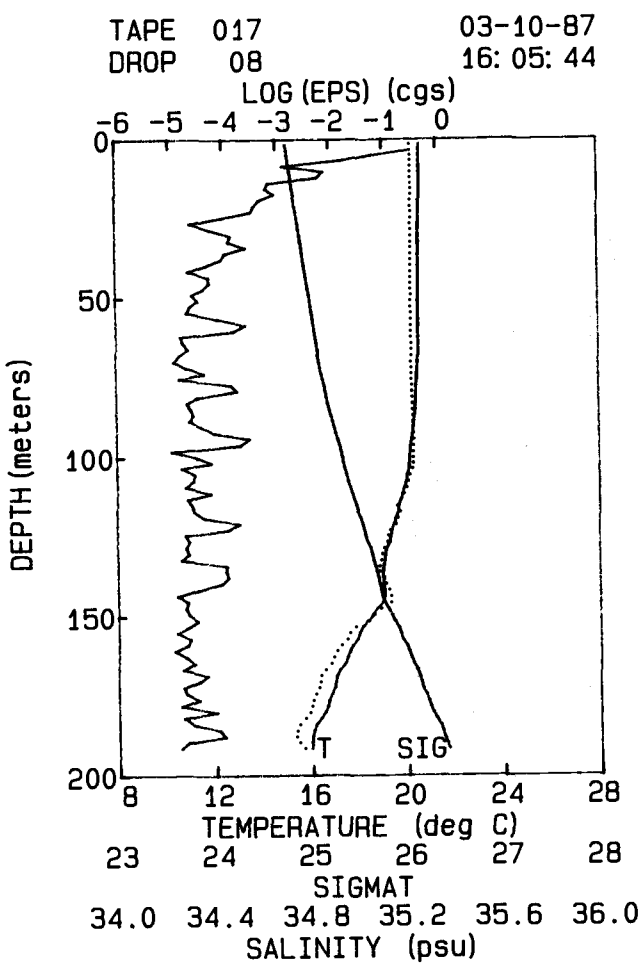
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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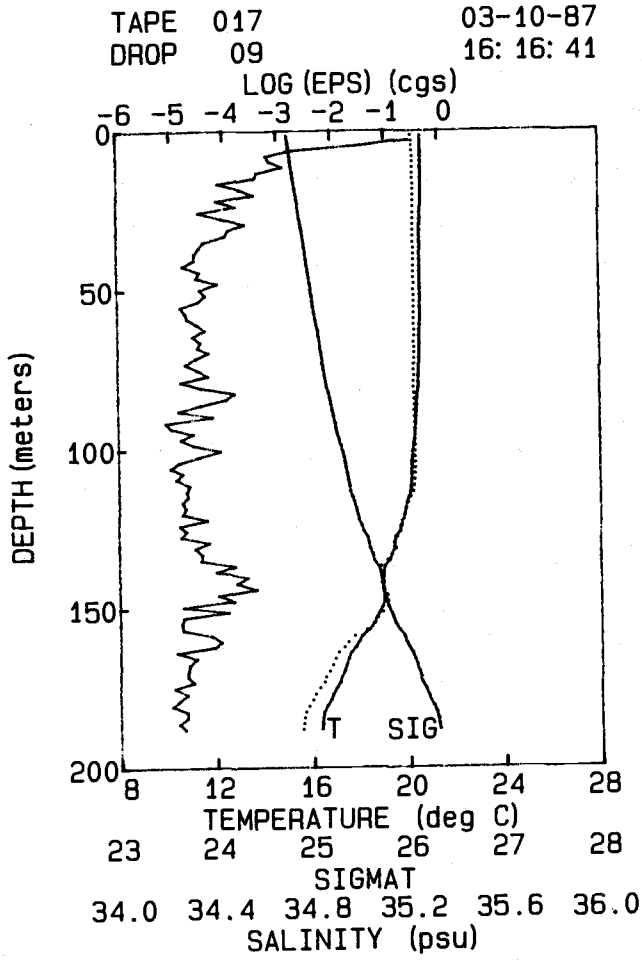
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
T
SIG
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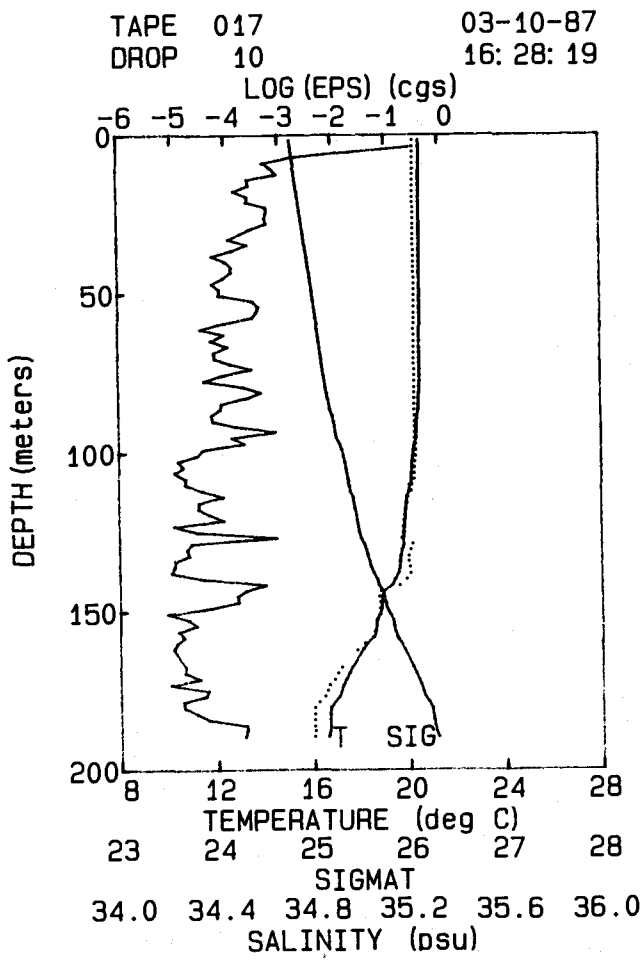
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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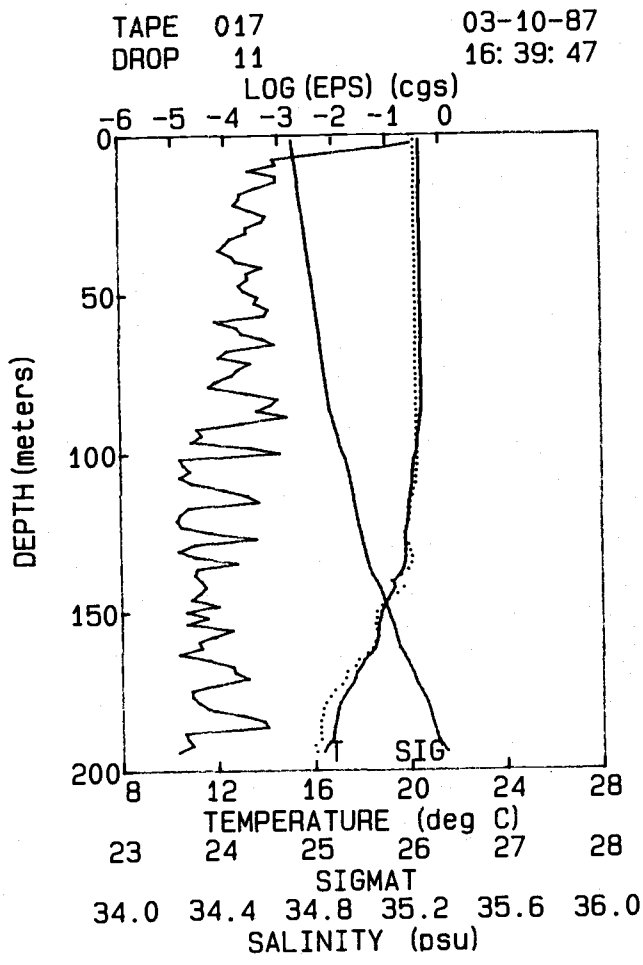
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-10-87
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DEPTH (meters)
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50
100
150
200
T
SIG
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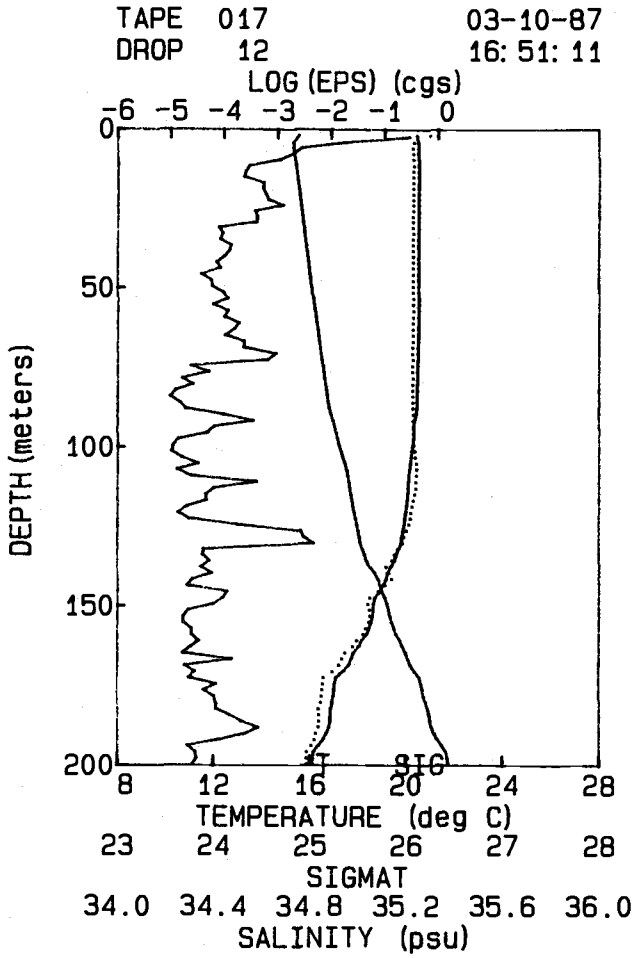
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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16: 51: 11
LOG (EPS) (cgs)
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DEPTH (meters)
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100
150
200
T SIG
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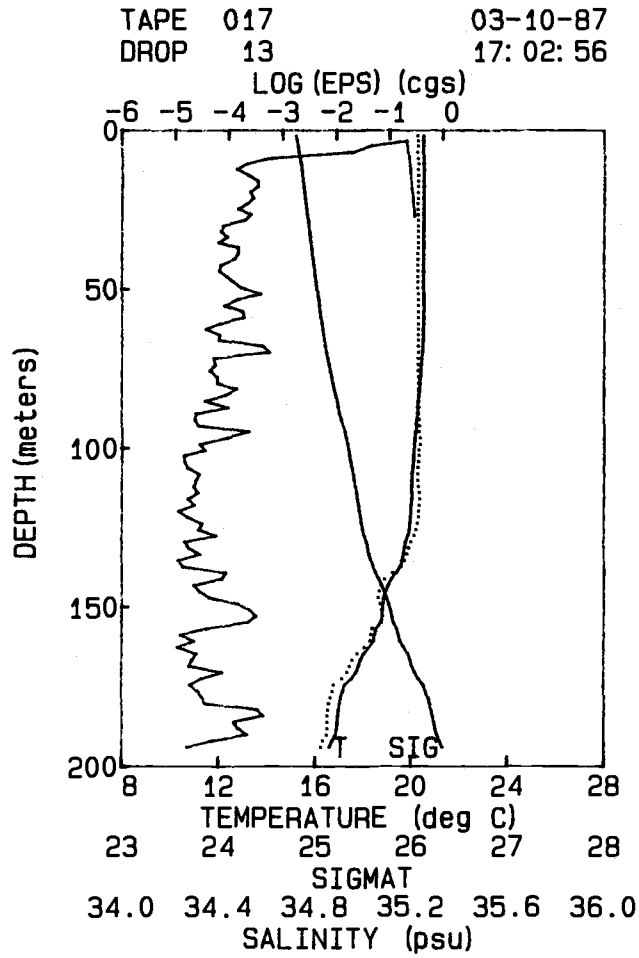
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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150
200
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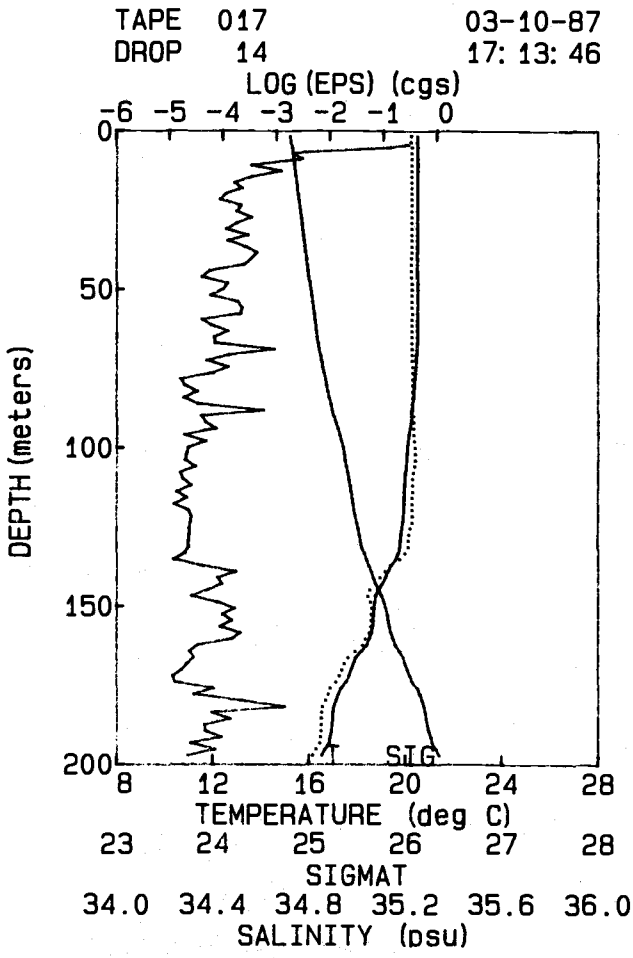
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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200
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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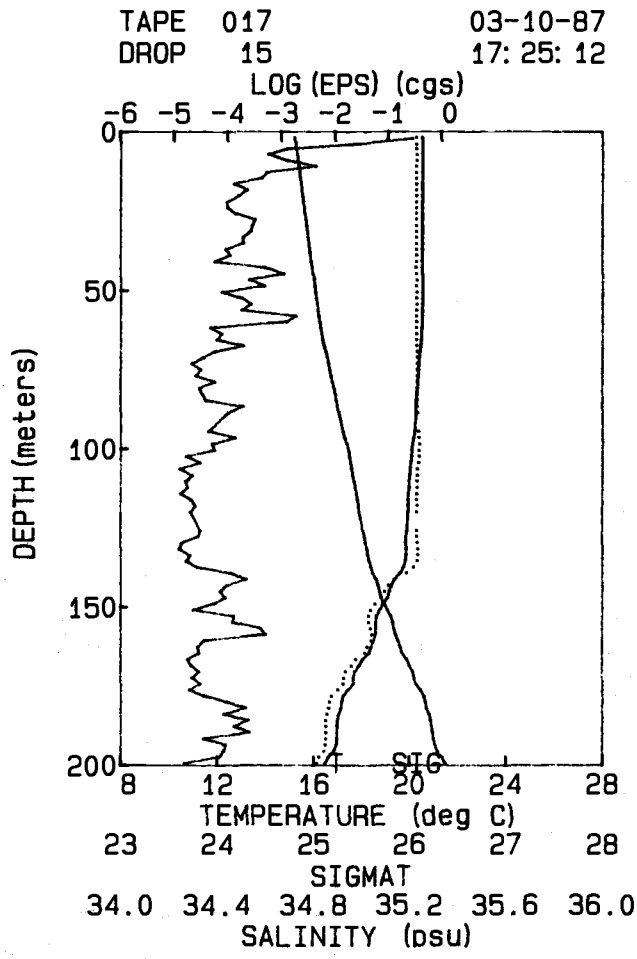
SALINITY (psu)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100
150
200
T SIG
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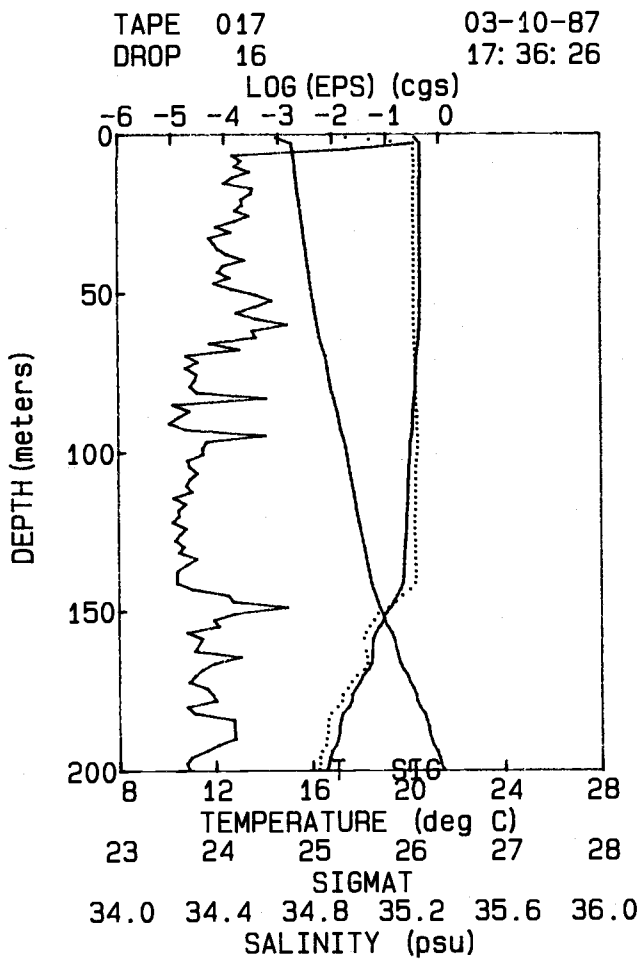
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-10-87
17: 36: 26
LOG (EPS) (cgs)
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DEPTH (meters)
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100
150
200
T SIG
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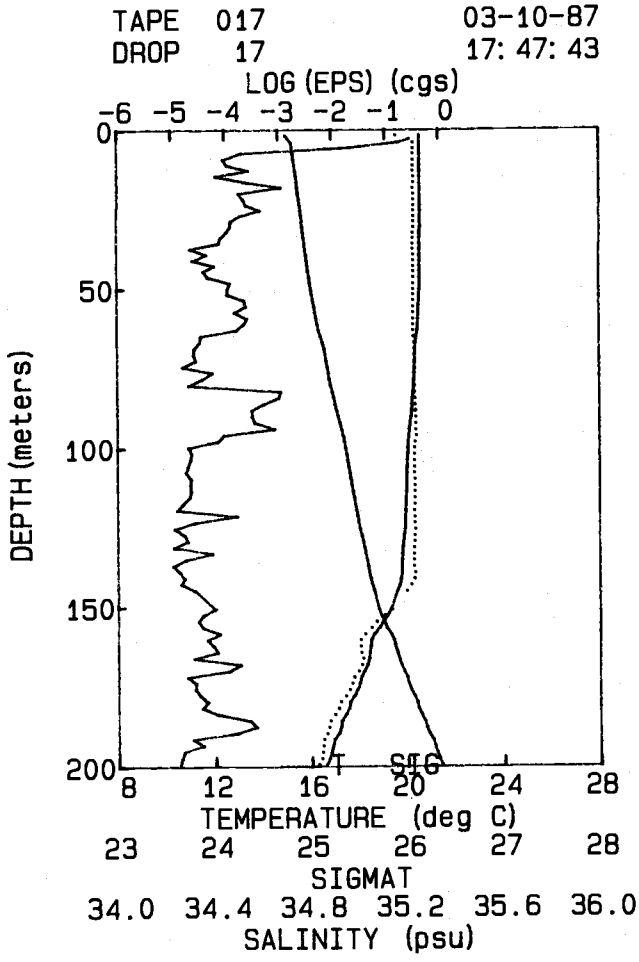
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
T SIG
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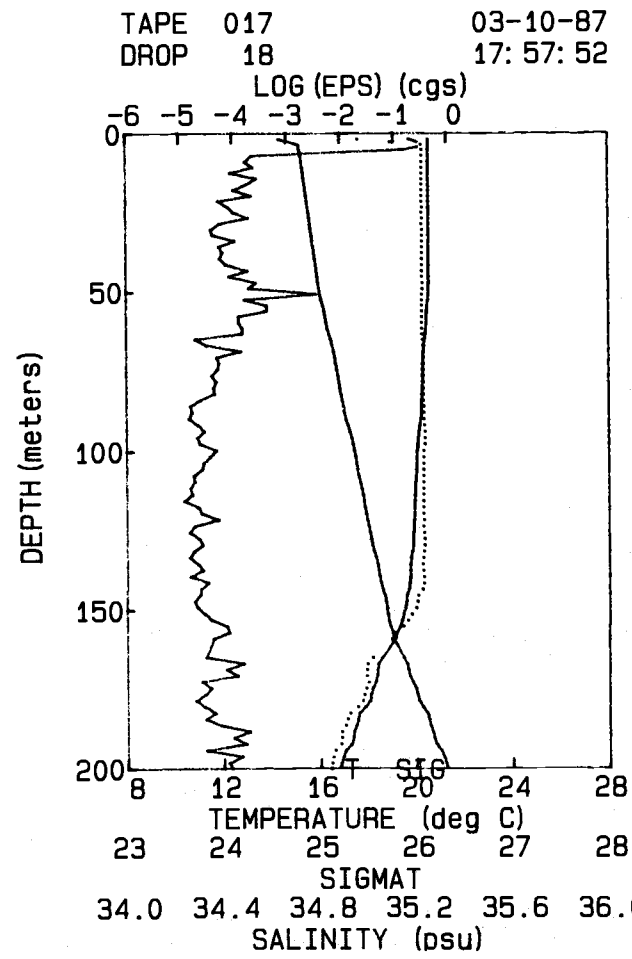
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
T SIG
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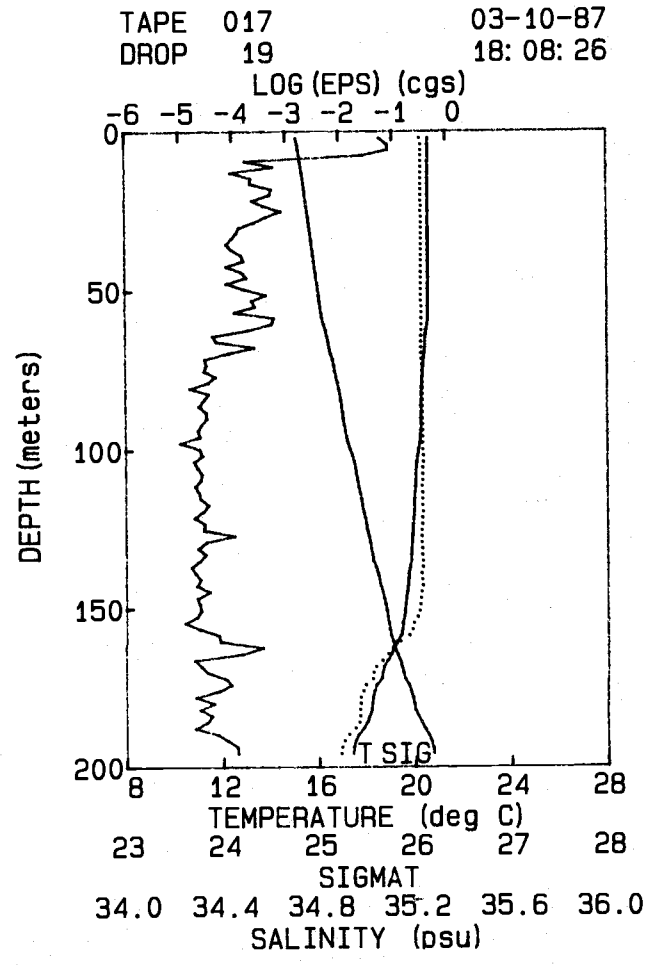
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-10-87
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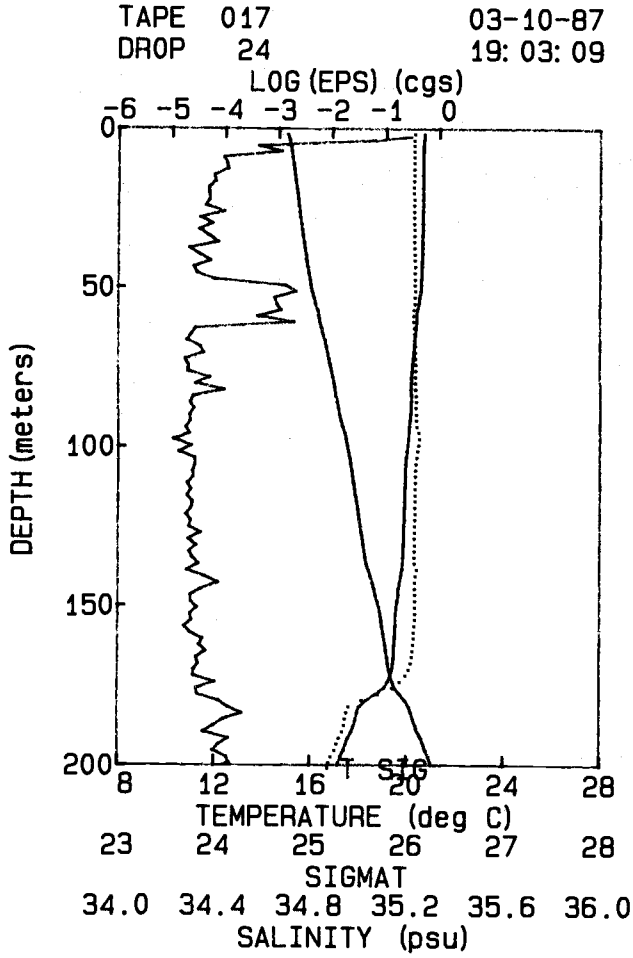
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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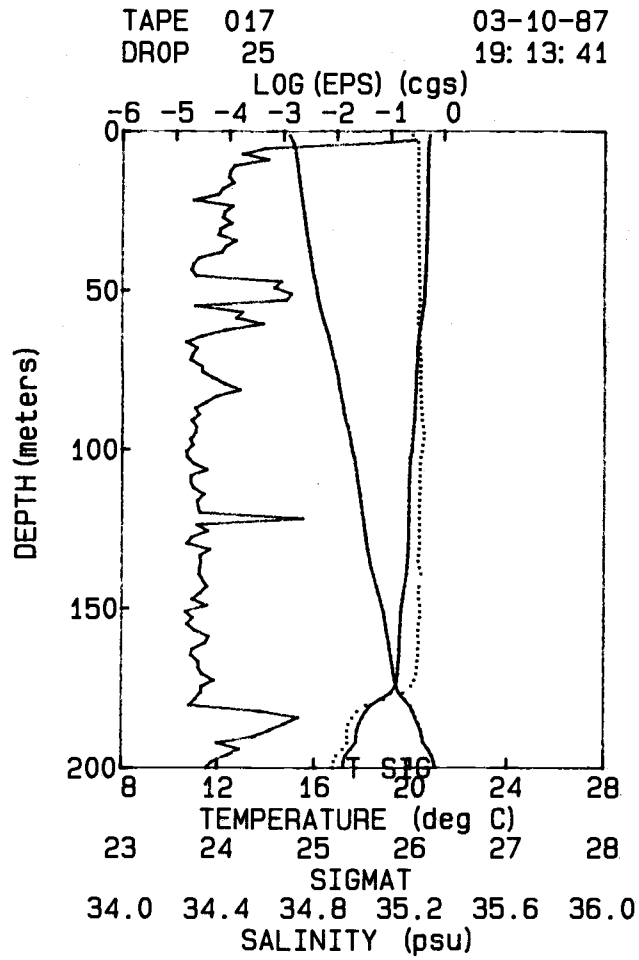
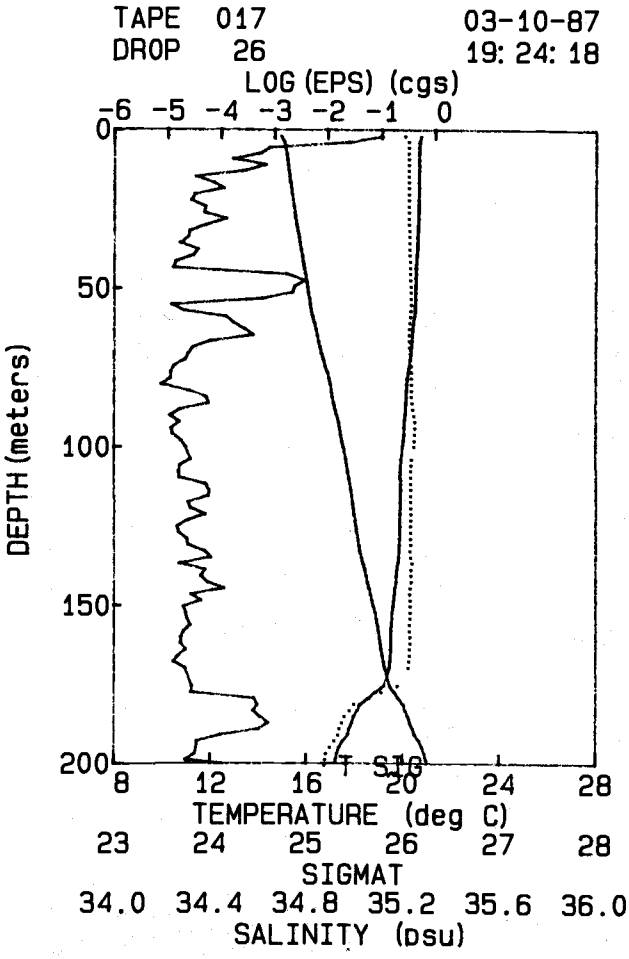
DROP 24
03-10-87
19: 03: 09
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T S1C
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 017
DROP 25
03-10-87
19: 13: 41
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T S1C
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-10-87
19: 24: 18
LOG (EPS) (cgs)
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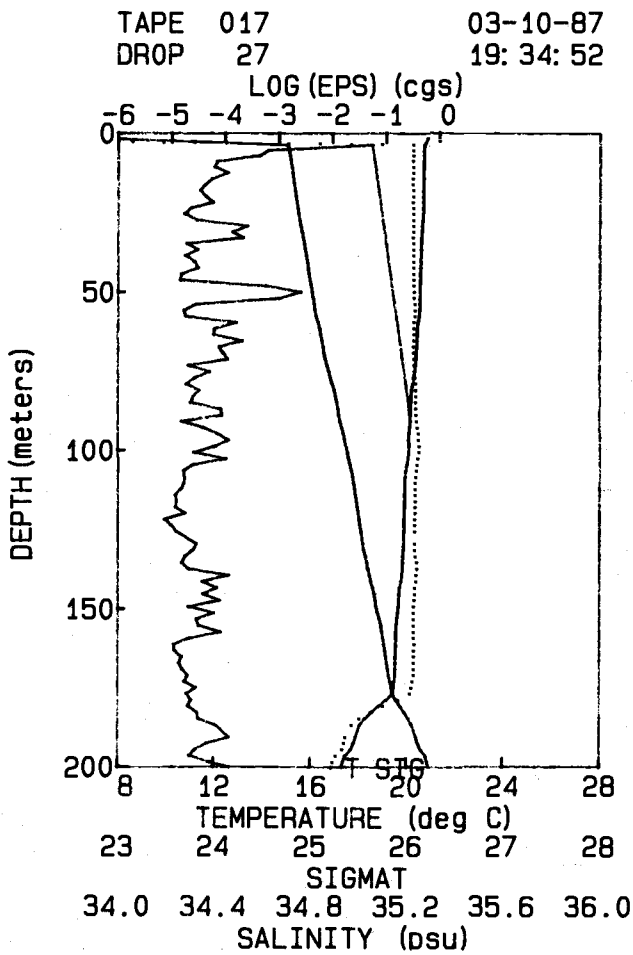
DEPTH (meters)
0
50
100
150
200
T S1C
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 27
03-10-87
19: 34: 52
LOG (EPS) (cgs)
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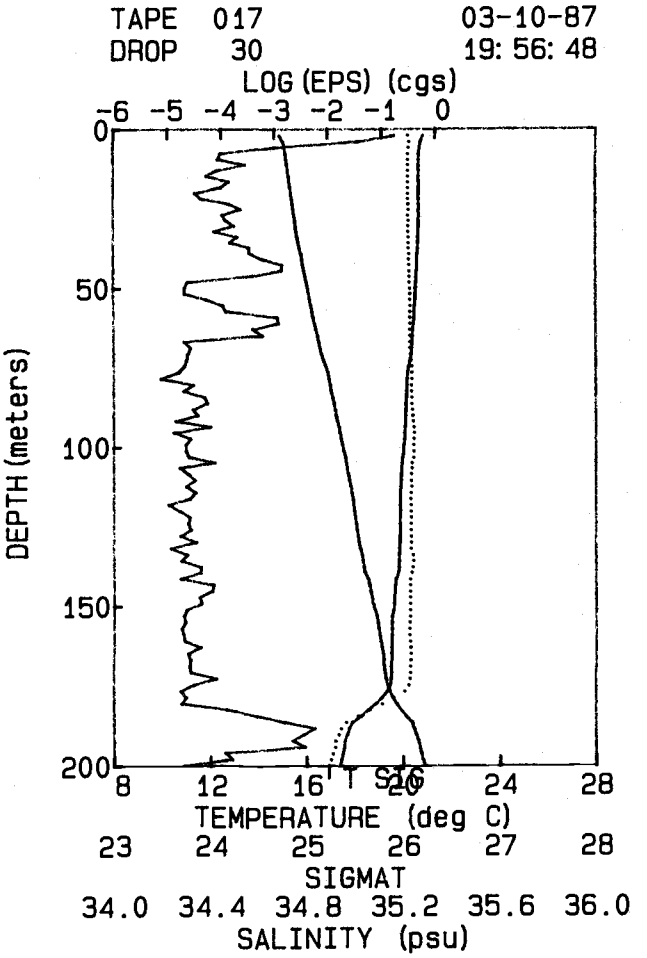
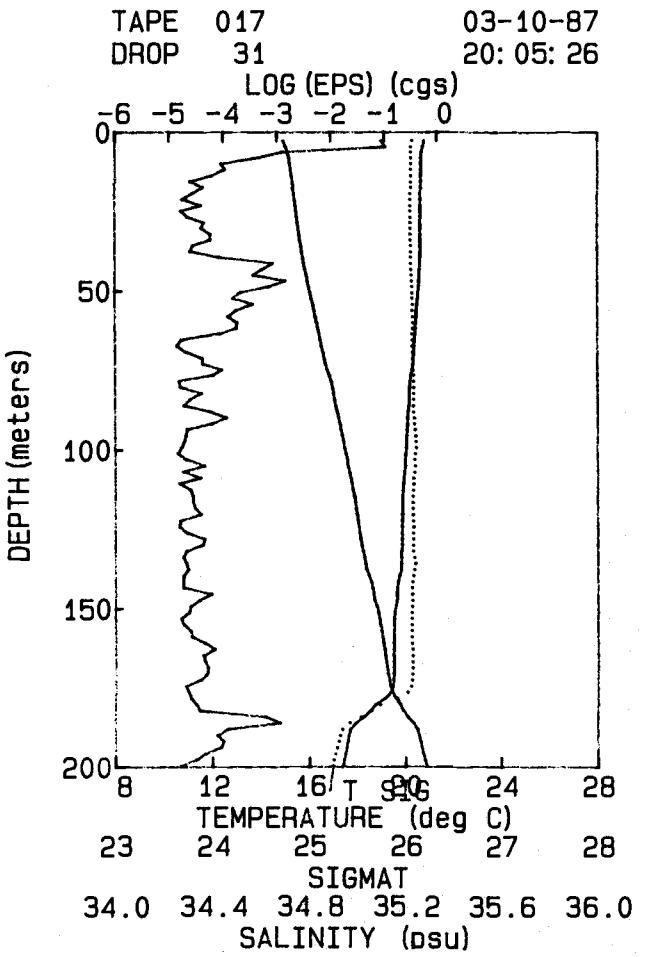
DEPTH (meters)
0
50
100
150
200
T S1C
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 017
DROP 30
03-10-87
19: 56: 48
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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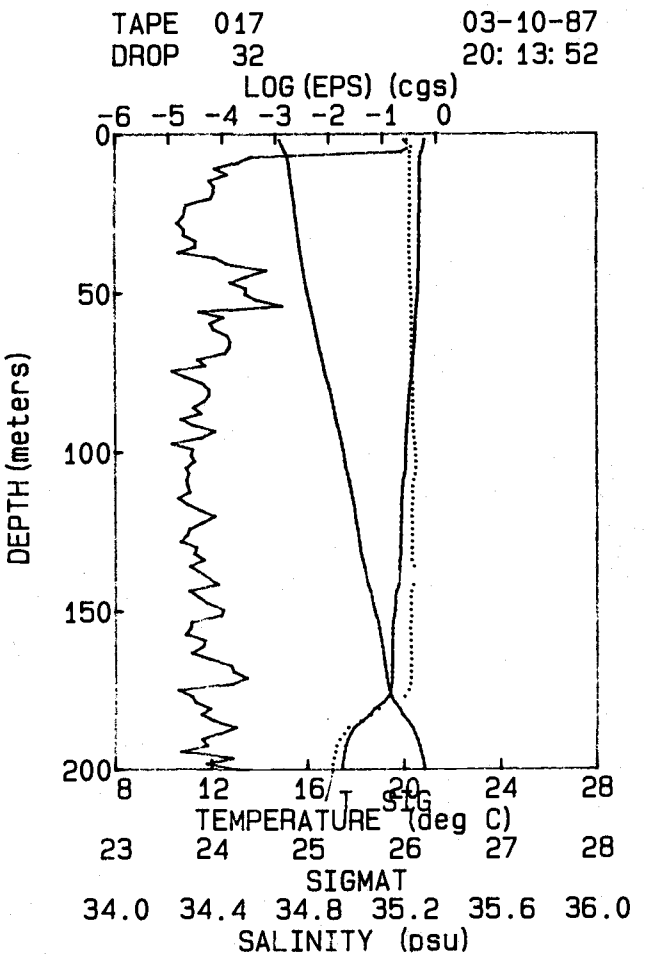
03-10-87
20: 05: 26
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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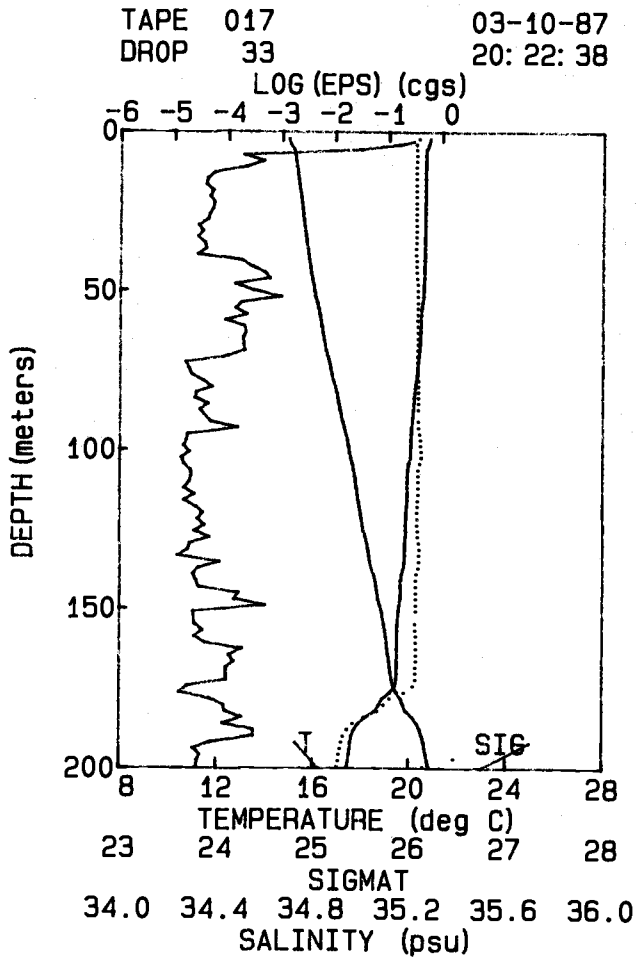
DROP 32
03-10-87
20: 13: 52
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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20: 22: 38
LOG (EPS) (cgs)
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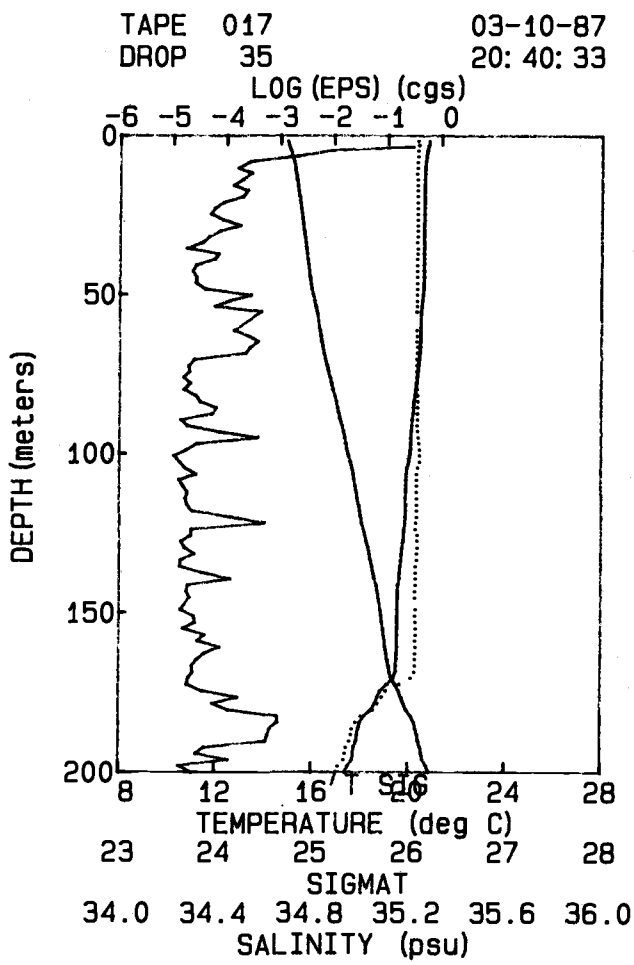
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-10-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
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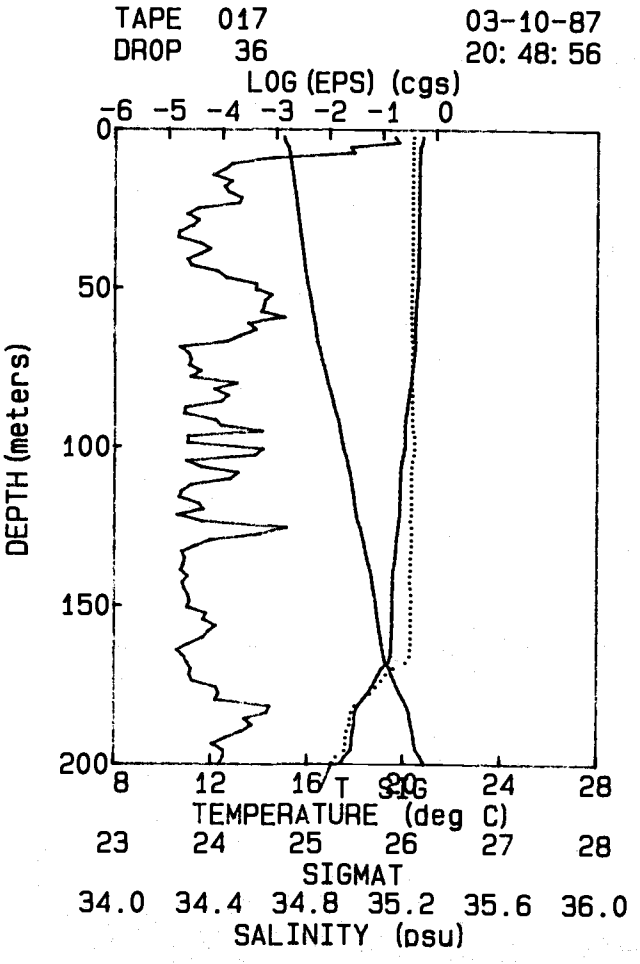
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 36
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LOG (EPS) (cgs)
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DEPTH (meters)
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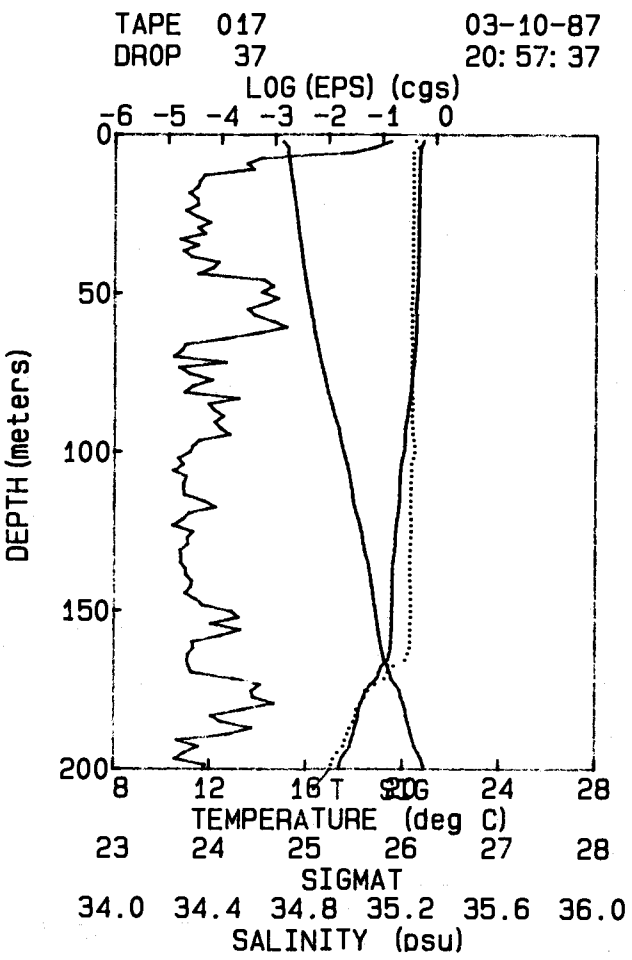
50
100
150
200
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 017
DROP 37
03-10-87
20: 57: 37
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
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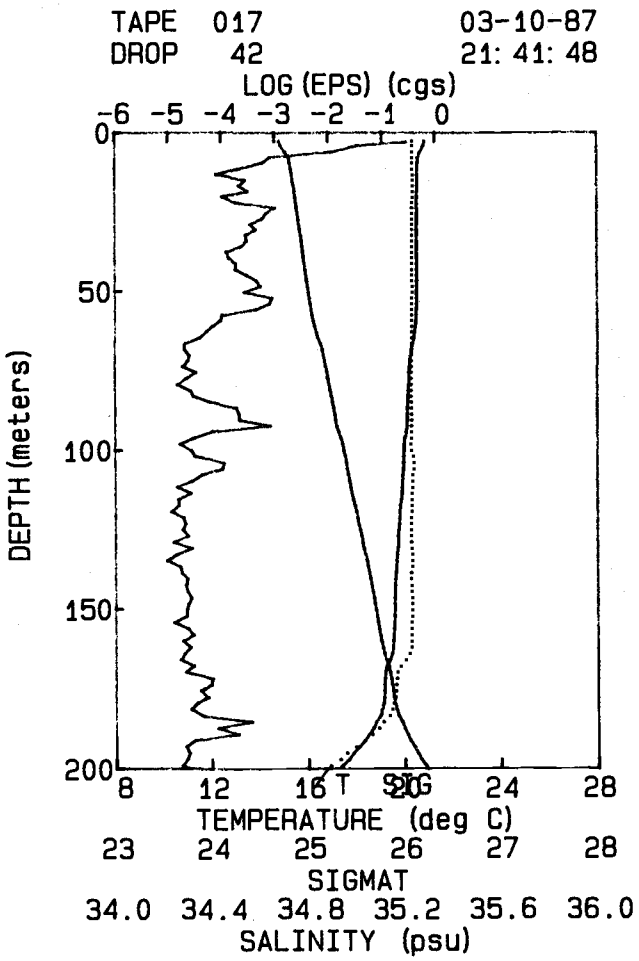
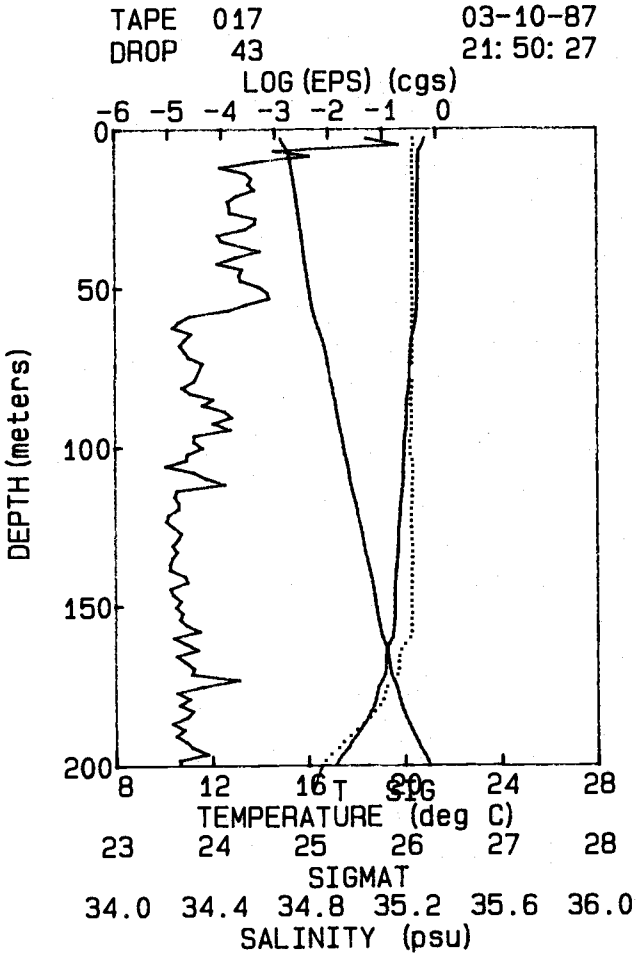
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 017
DROP 42
03-10-87
21: 41: 48
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
8 12 16 20 24 28
T SIG
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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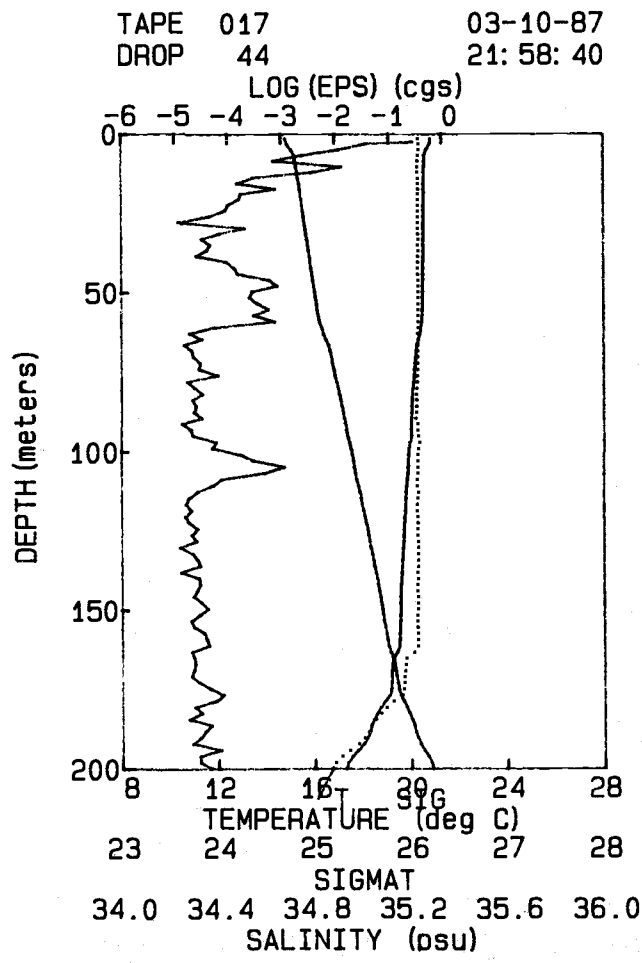
DROP 43
03-10-87
21: 50: 27
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
8 12 16 20 24 28
T SIG
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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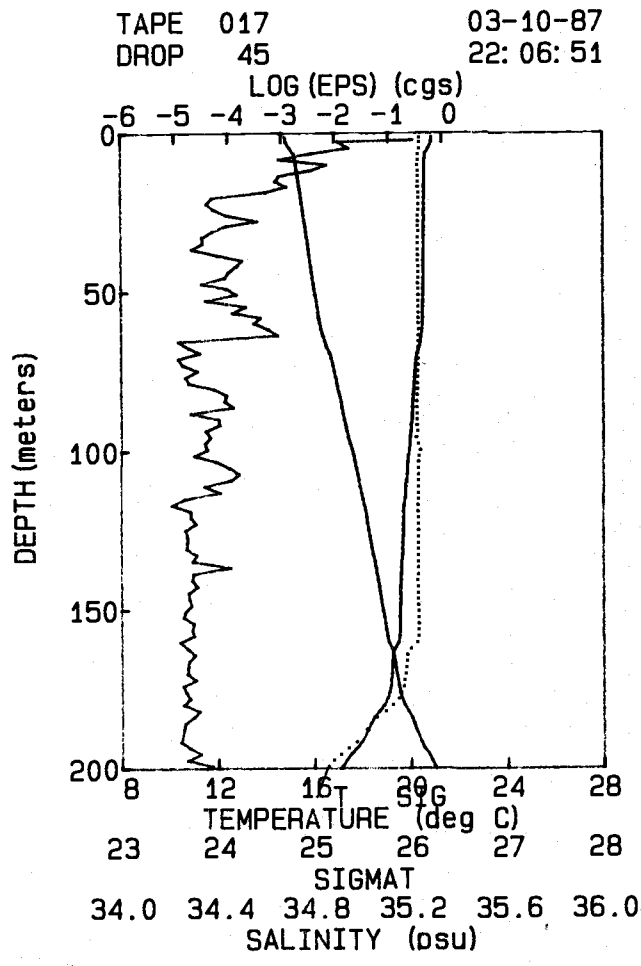
DEPTH (meters)
0
50
100
150
200
8 12 16 20 24 28
T SIG
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 45
03-10-87
22: 06: 51
LOG (EPS) (cgs)
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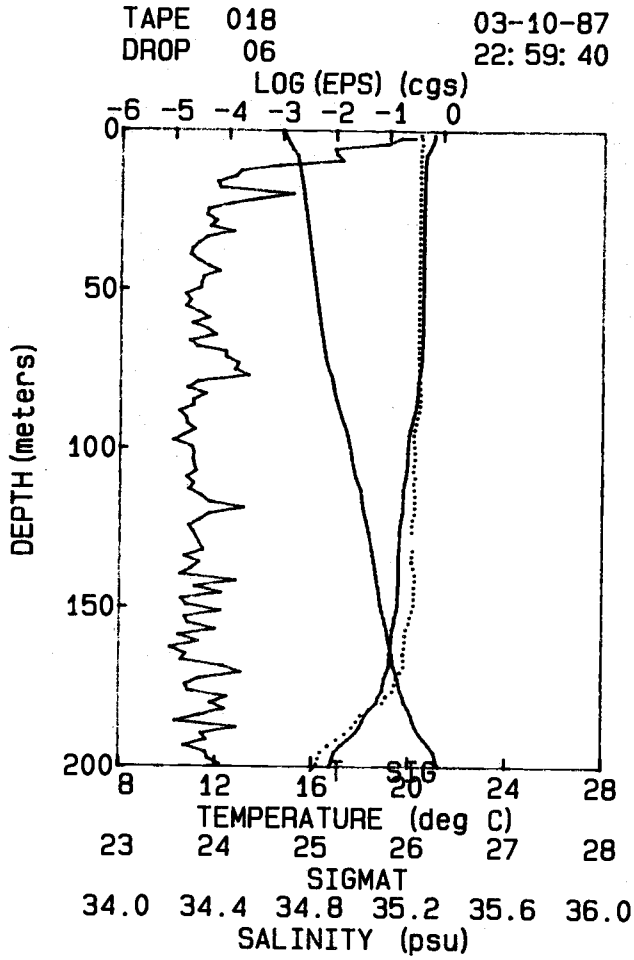
DEPTH (meters)
0
50
100
150
200
8 12 16 20 24 28
T SIG
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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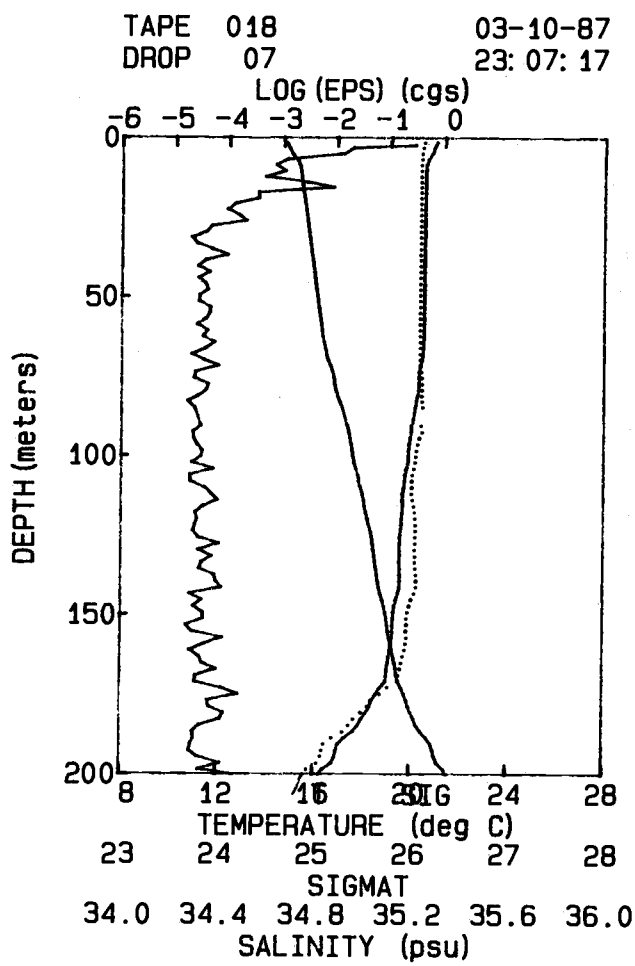
DROP 06
03-10-87
22: 59: 40
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 018
DROP 07
03-10-87
23: 07: 17
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
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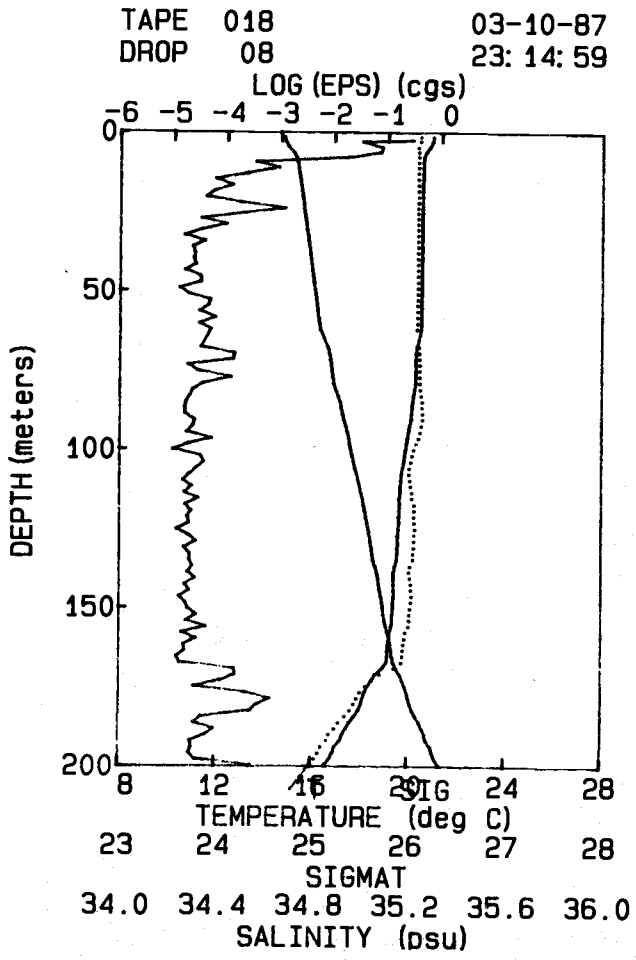
50
100
150
200
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 018
DROP 08
03-10-87
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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
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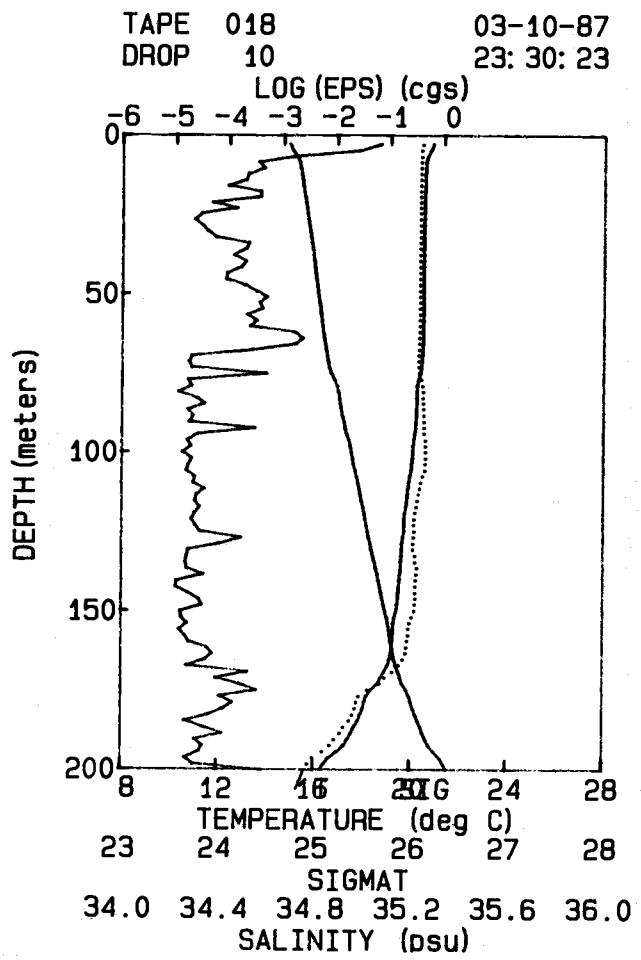
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 10
03-10-87
23: 30: 23
LOG (EPS) (cgs)
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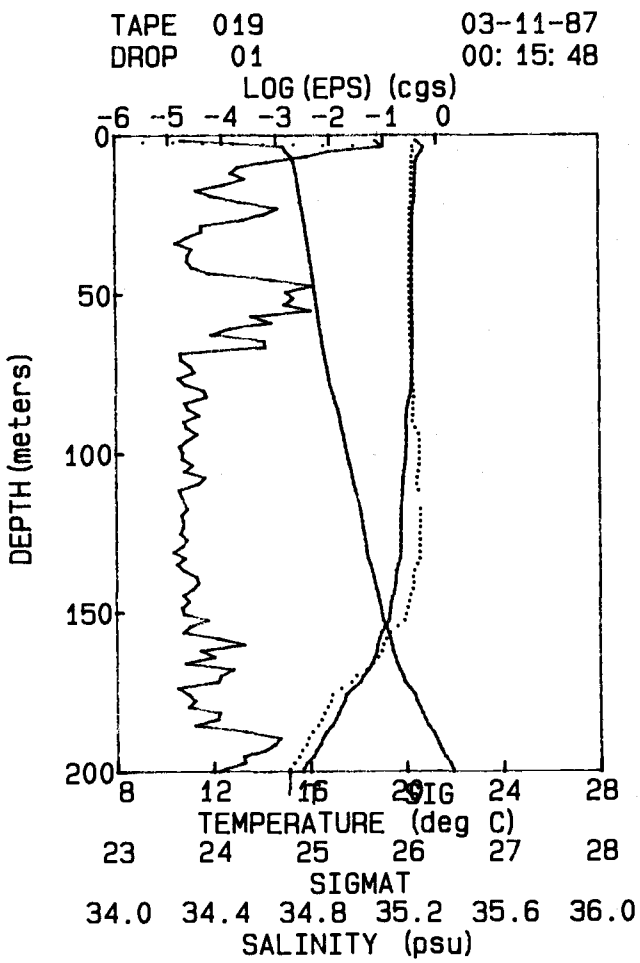
DEPTH (meters)
0
50
100
150
200
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 019
DROP 01
03-11-87
00: 15: 48
LOG (EPS) (cgs)
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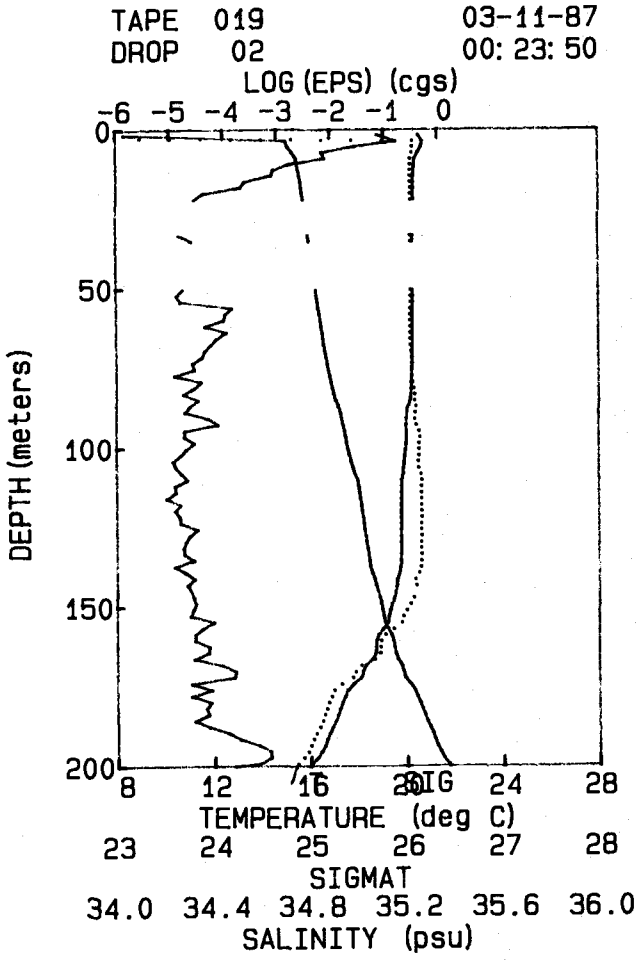
DEPTH (meters)
0
50
100
150
200
8 12 16 20 SIG 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-11-87
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DEPTH (meters)
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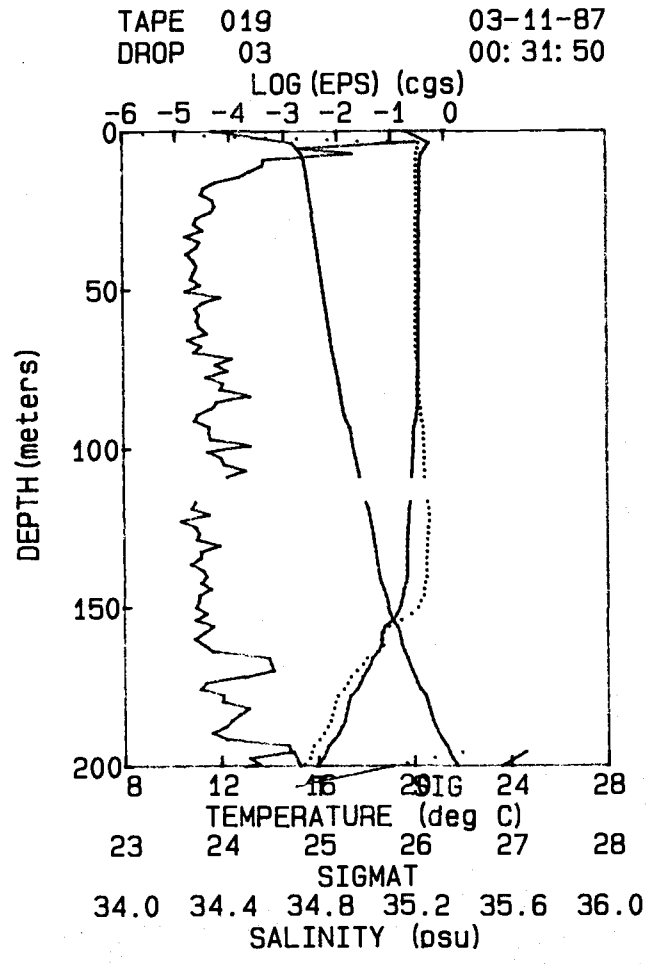
50
100
150
200
8 12 16 20 SIG 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-11-87
00: 31: 50
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DEPTH (meters)
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100
150
200
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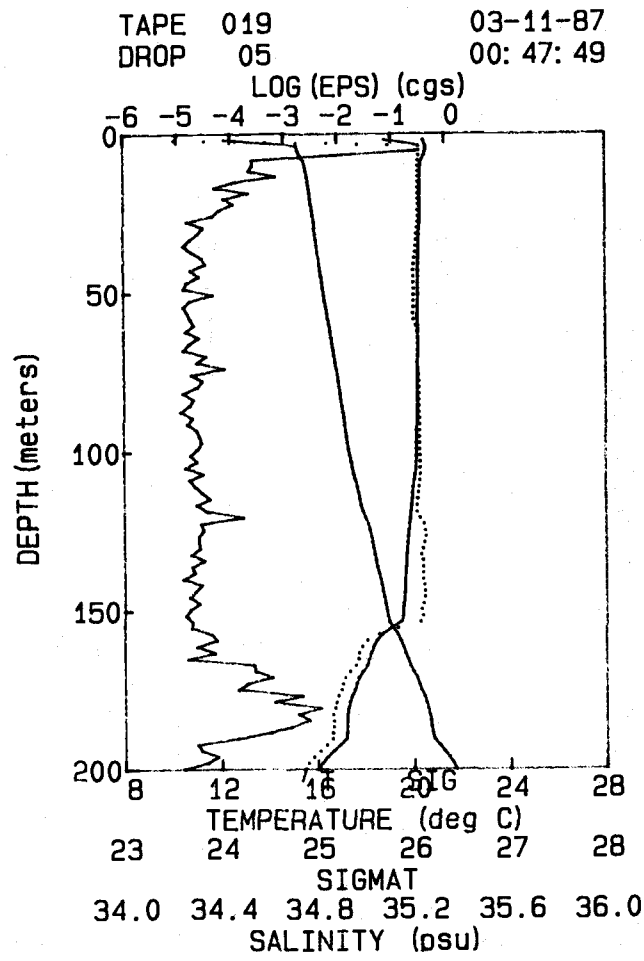
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 019
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00: 47: 49
LOG (EPS) (cgs)
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DEPTH (meters)
0
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100
150
200
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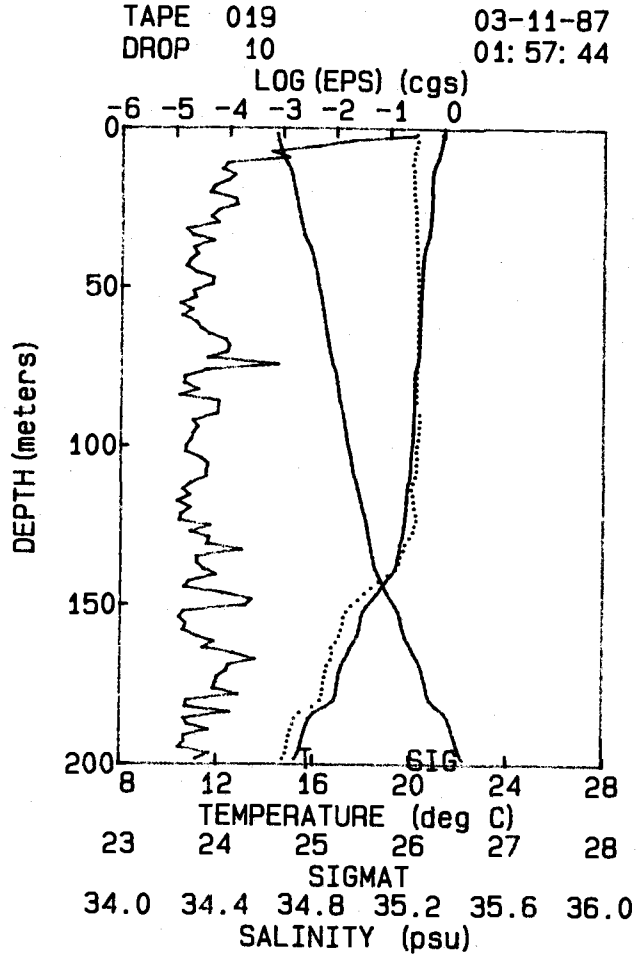
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 019
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03-11-87
01: 57: 44
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DEPTH (meters)
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50
100
150
200
SIG
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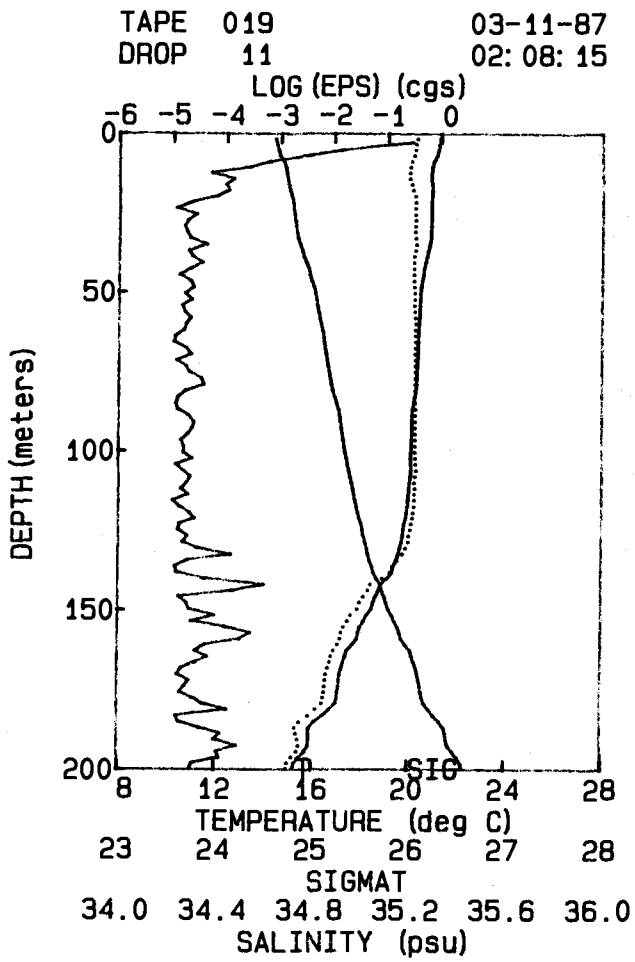
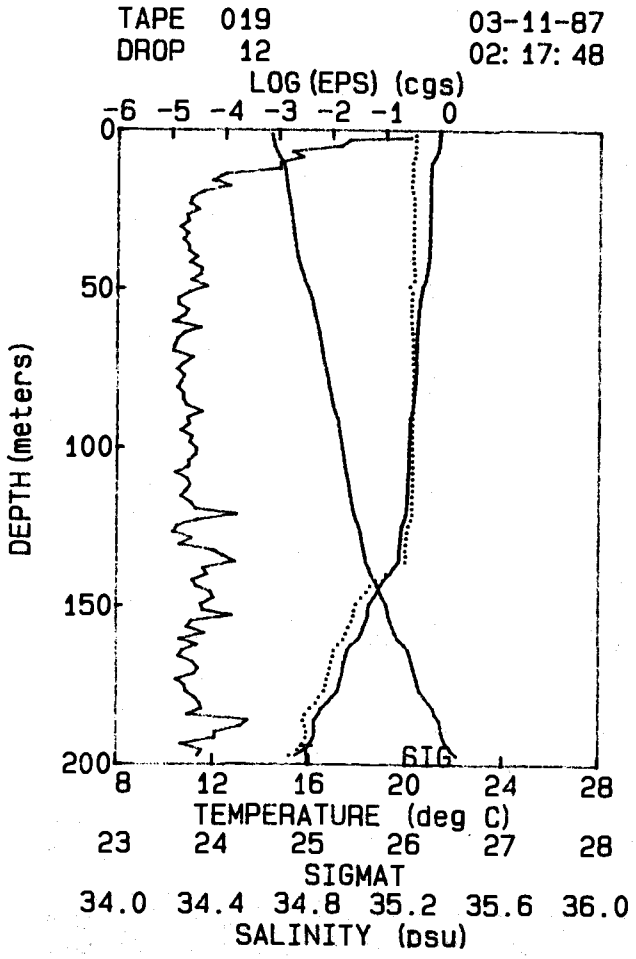
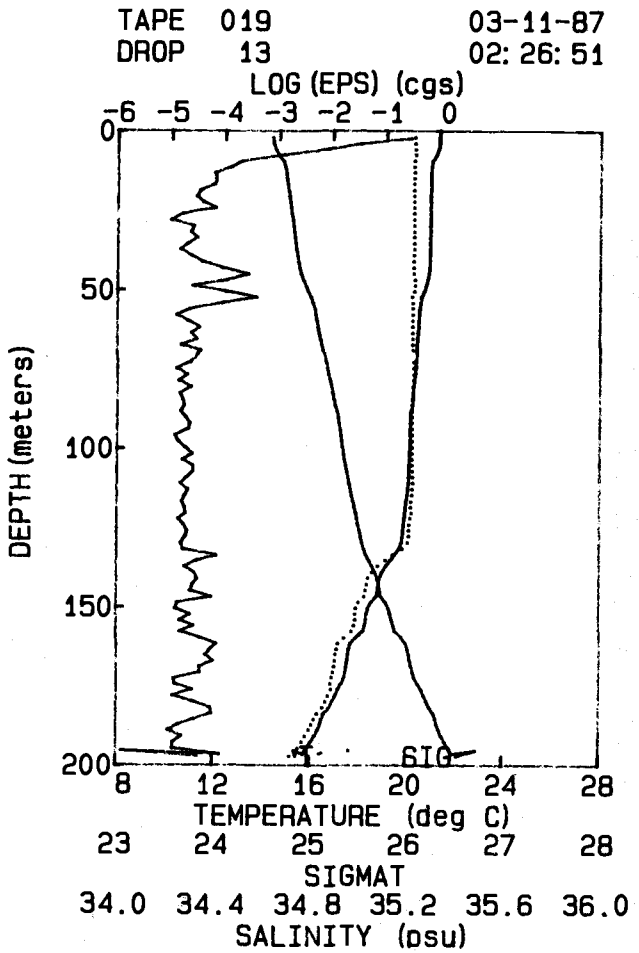
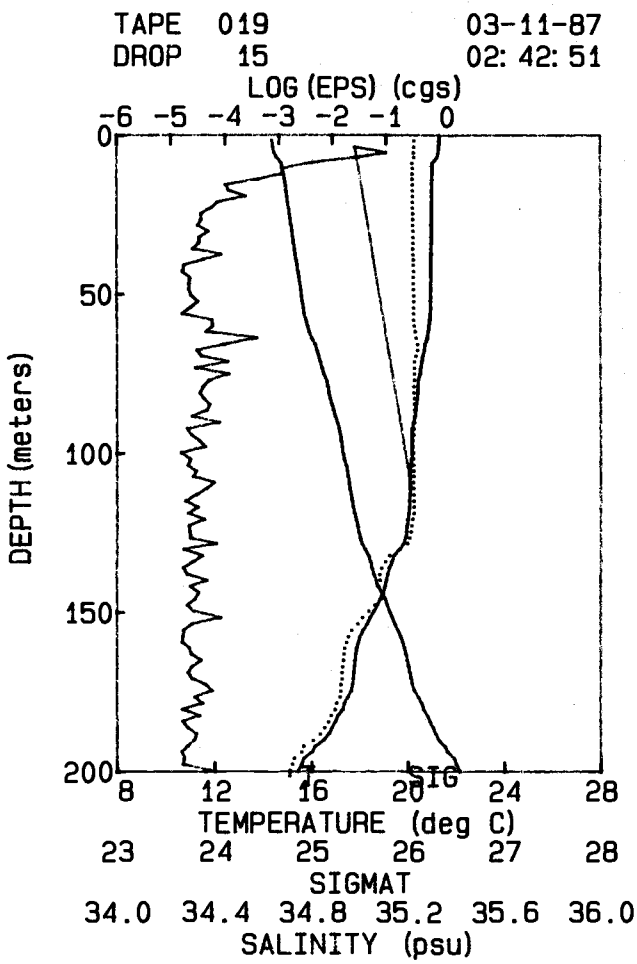
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 019
DROP 11
03-11-87
02: 08: 15
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 019
DROP 12
03-11-87
02: 17: 48
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 019
DROP 13
03-11-87
02: 26: 51
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 019
DROP 15
03-11-87
02: 42: 51
LOG (EPS) (cgs)
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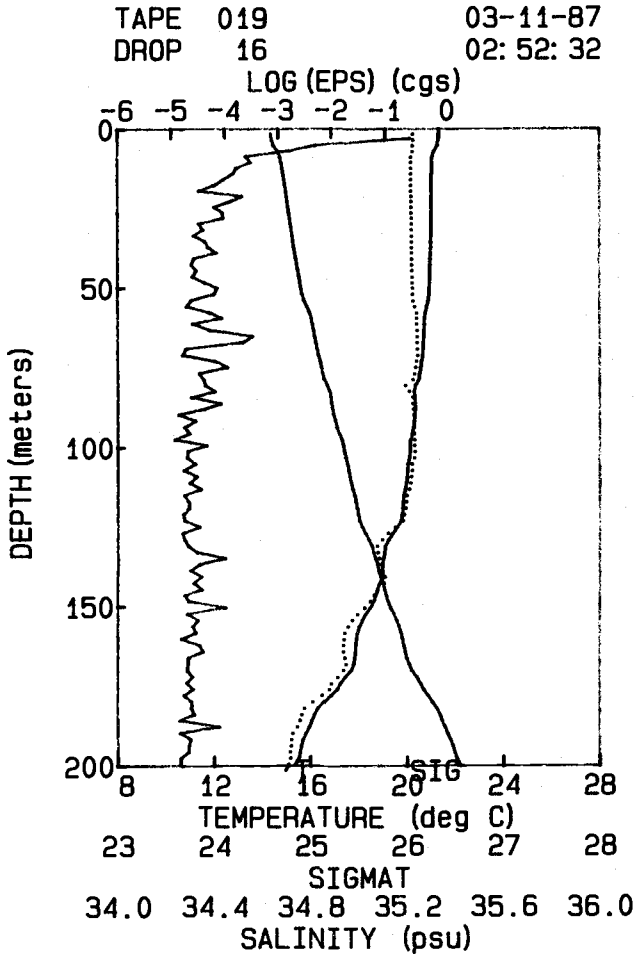
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 019
DROP 16
03-11-87
02: 52: 32
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DEPTH (meters)
0
50
100
150
200
SIG
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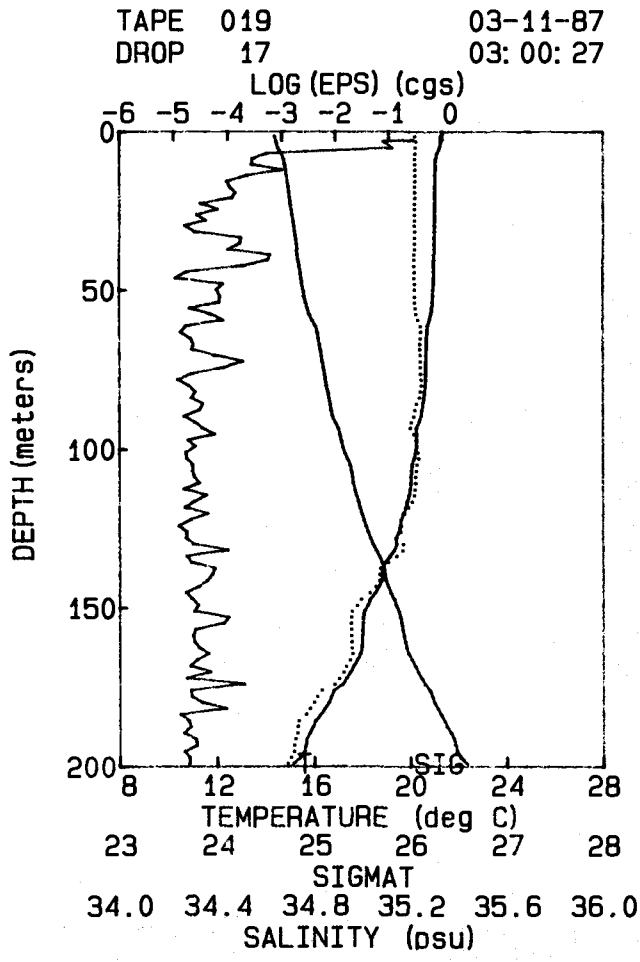
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-11-87
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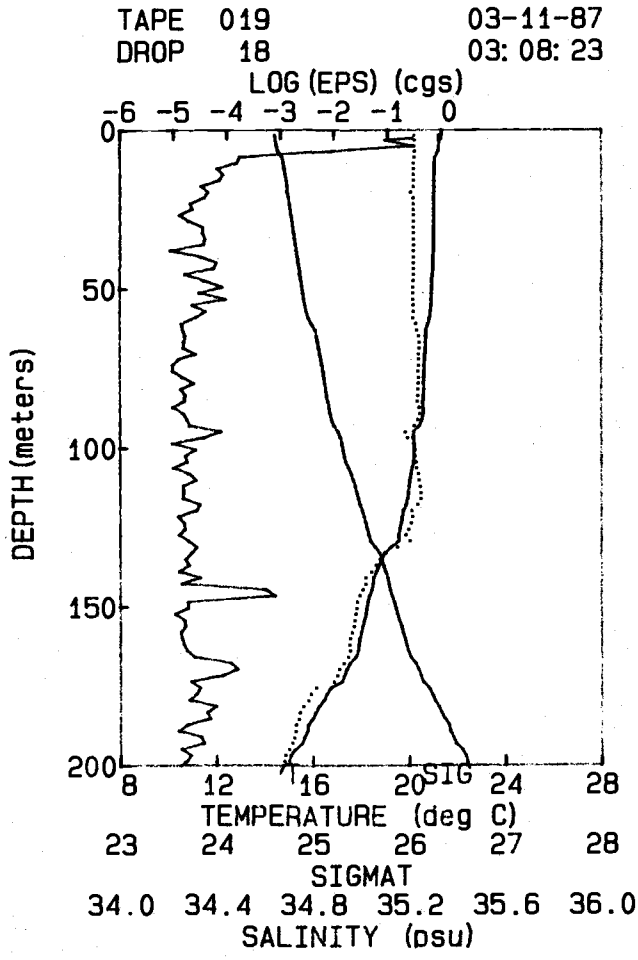
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
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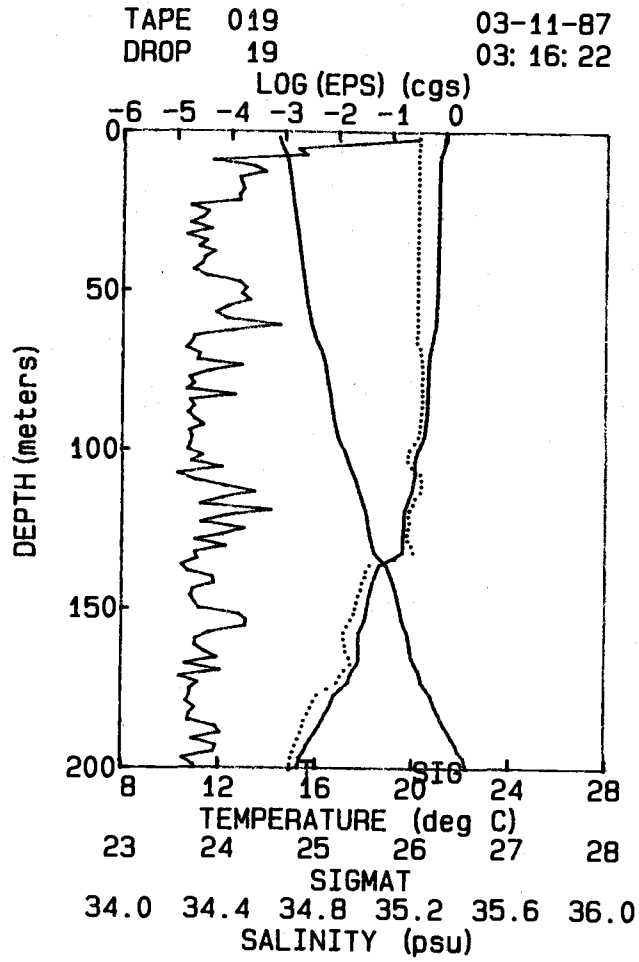
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
SIG
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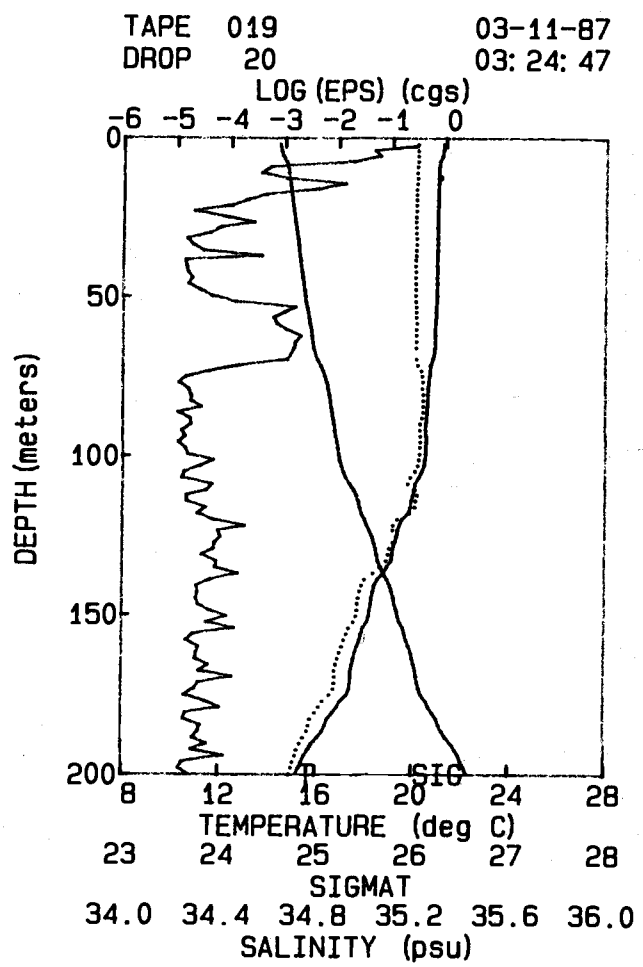
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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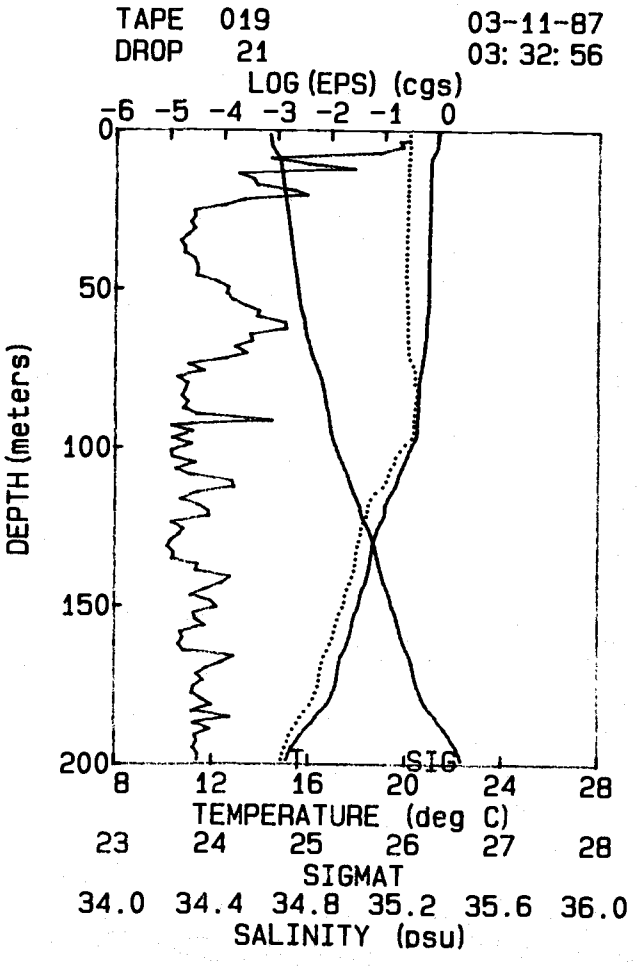
SALINITY (psu)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100
150
200
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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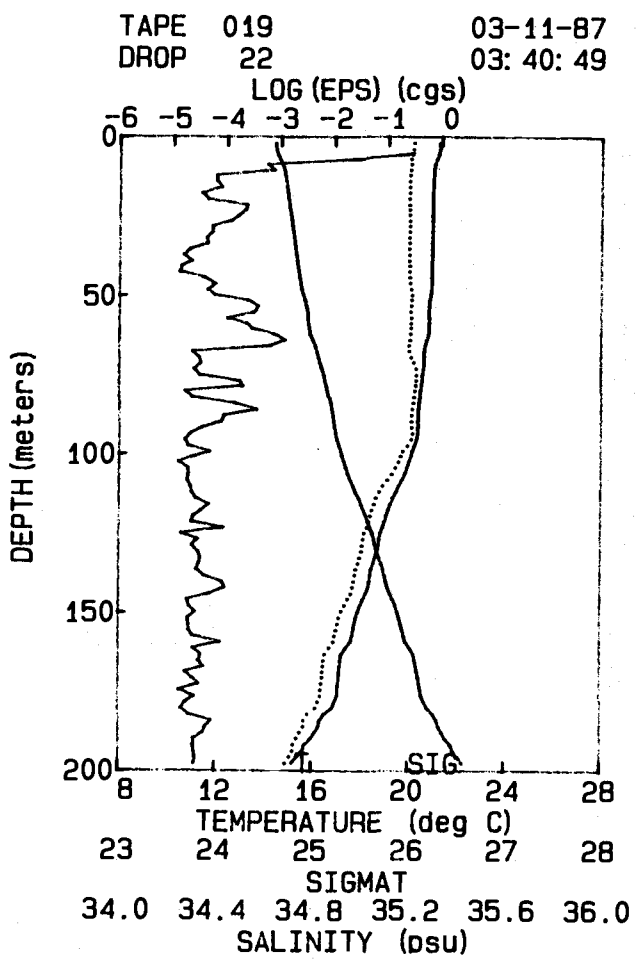
SALINITY (psu)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50
100
150
200
SIG
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TEMPERATURE (deg C)
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SIGMAT
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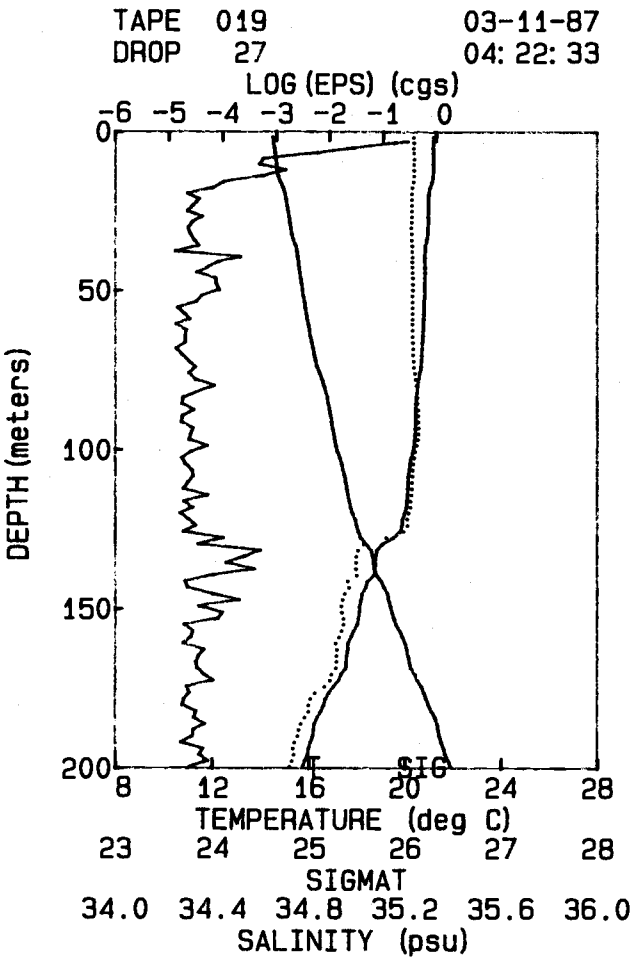
SALINITY (psu)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100
150
200
T
SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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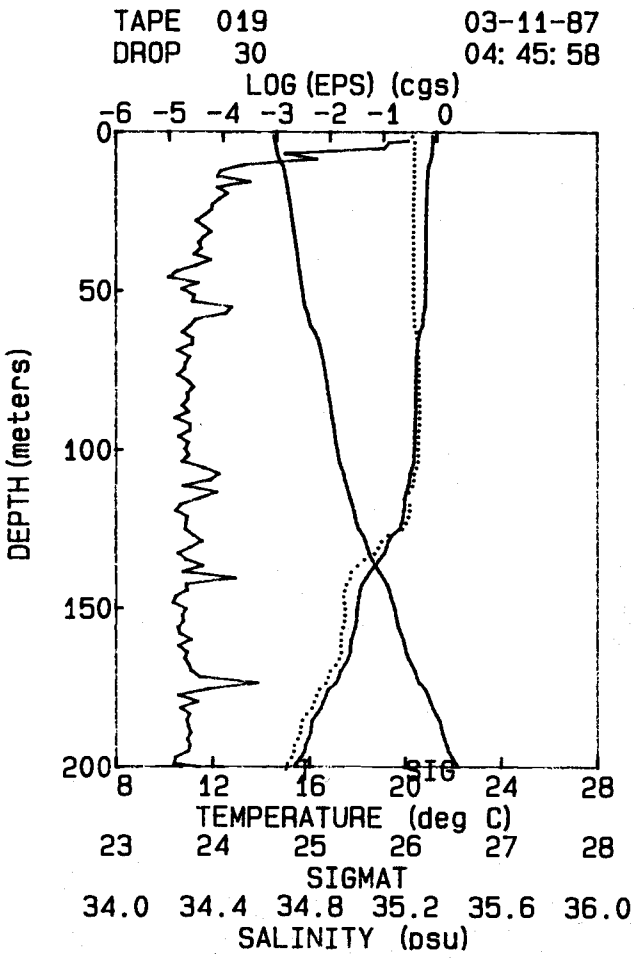
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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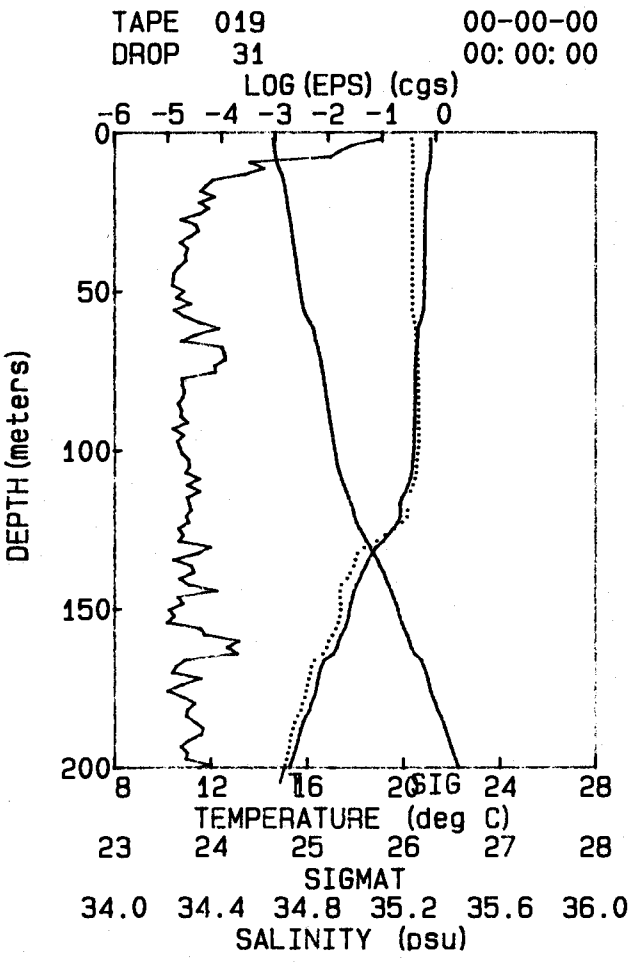
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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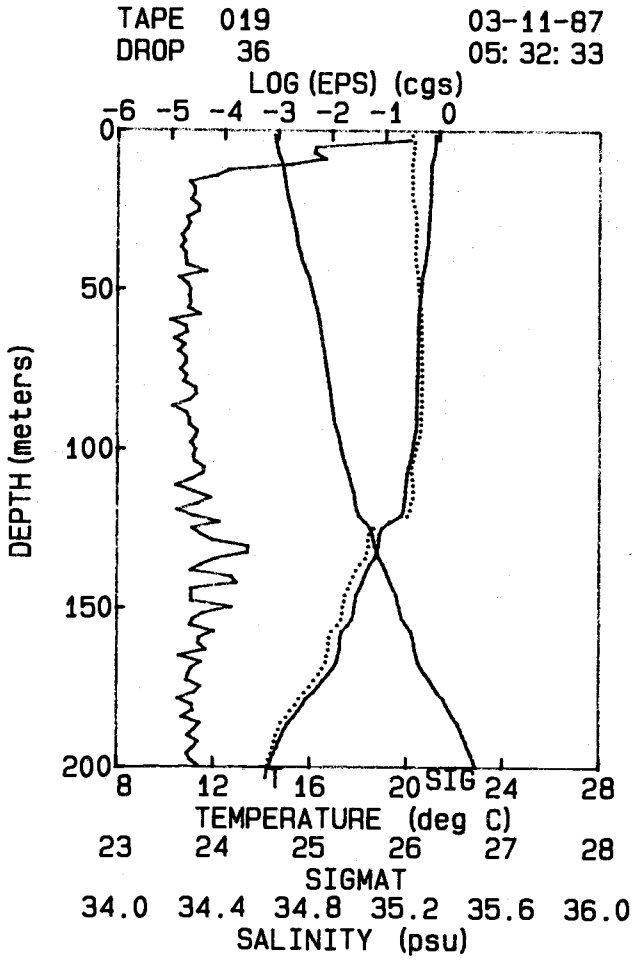
SALINITY (psu)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DEPTH (meters)
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150
200
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SIG
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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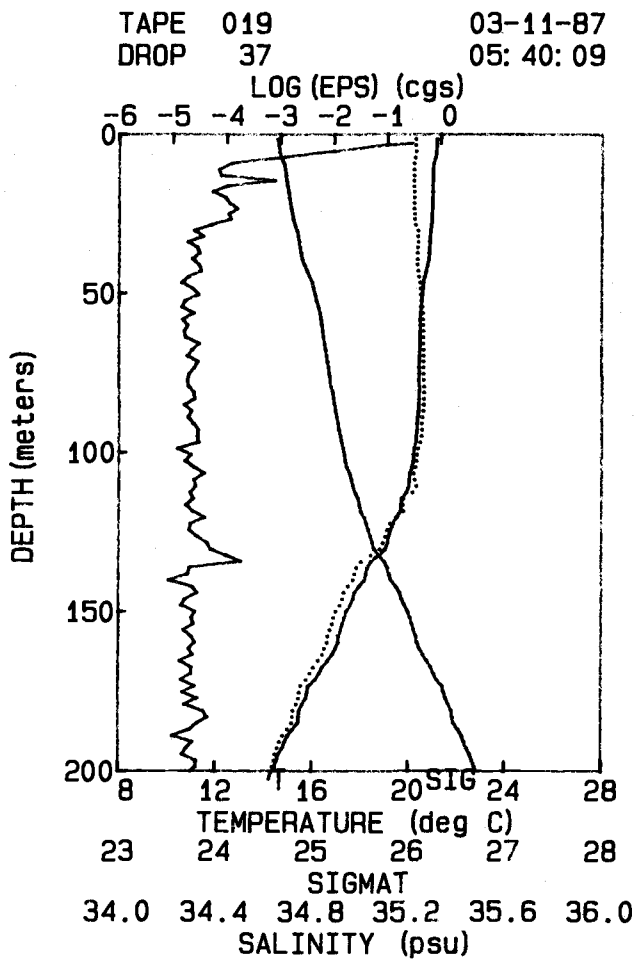
SALINITY (psu)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200
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SIG
TEMPERATURE (deg C)
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SIGMAT
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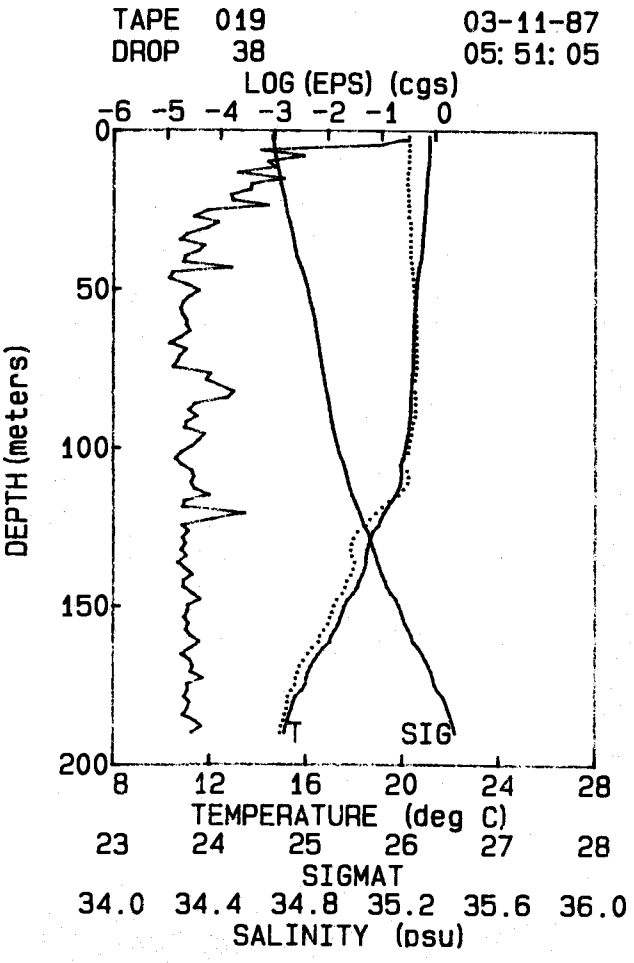
SALINITY (psu)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200
8 12 16 20 24 28
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SIG
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
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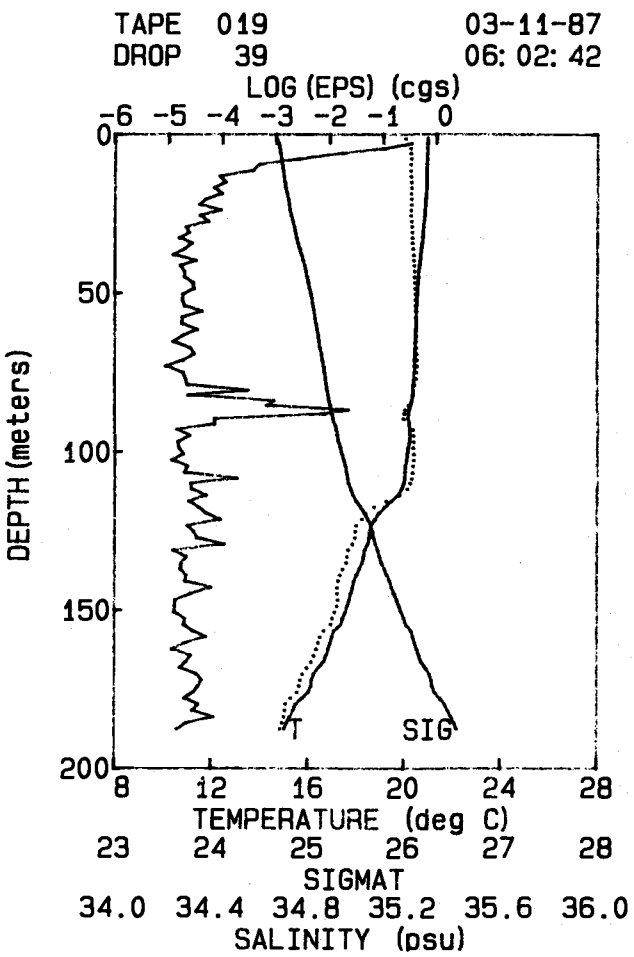
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DEPTH (meters)
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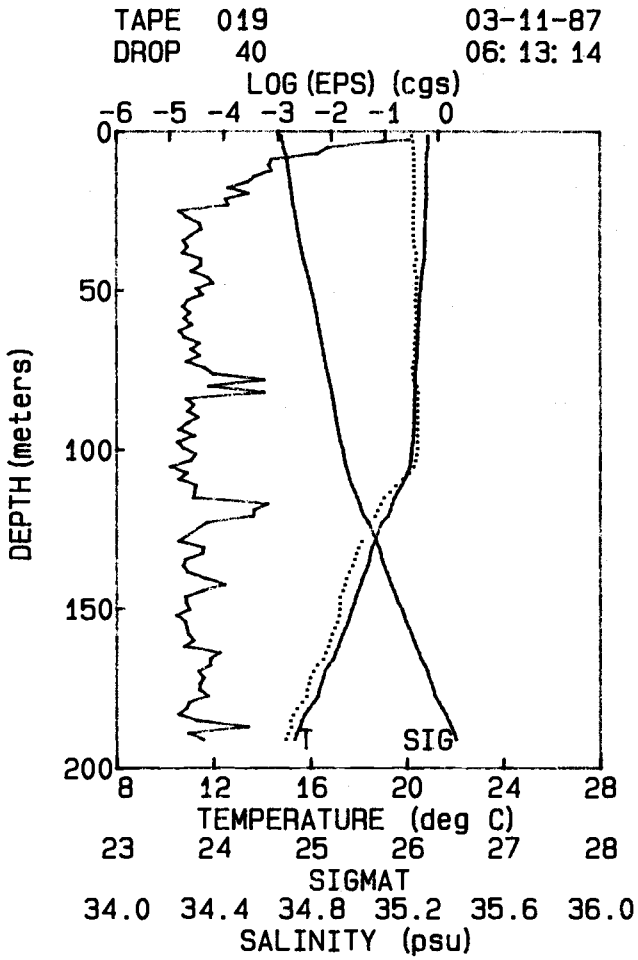
100
150
200
8 12 16 20 24 28
T
SIG
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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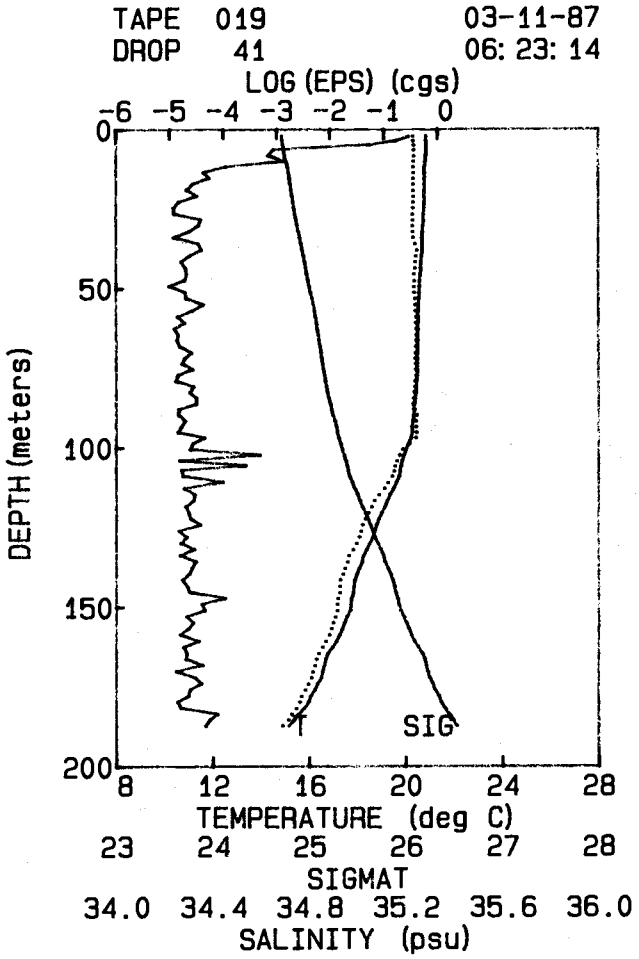
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DEPTH (meters)
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100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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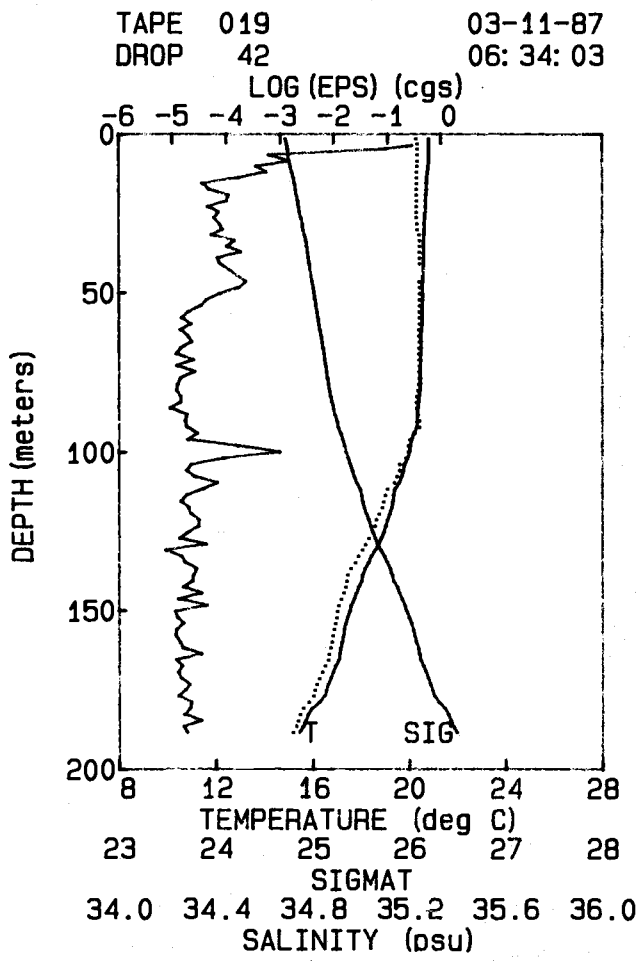
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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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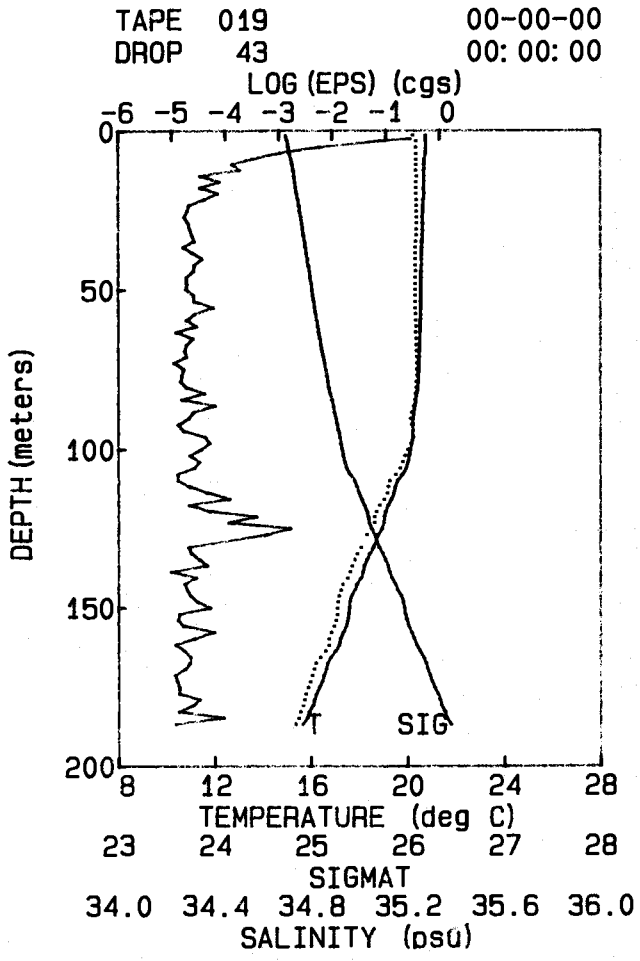
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
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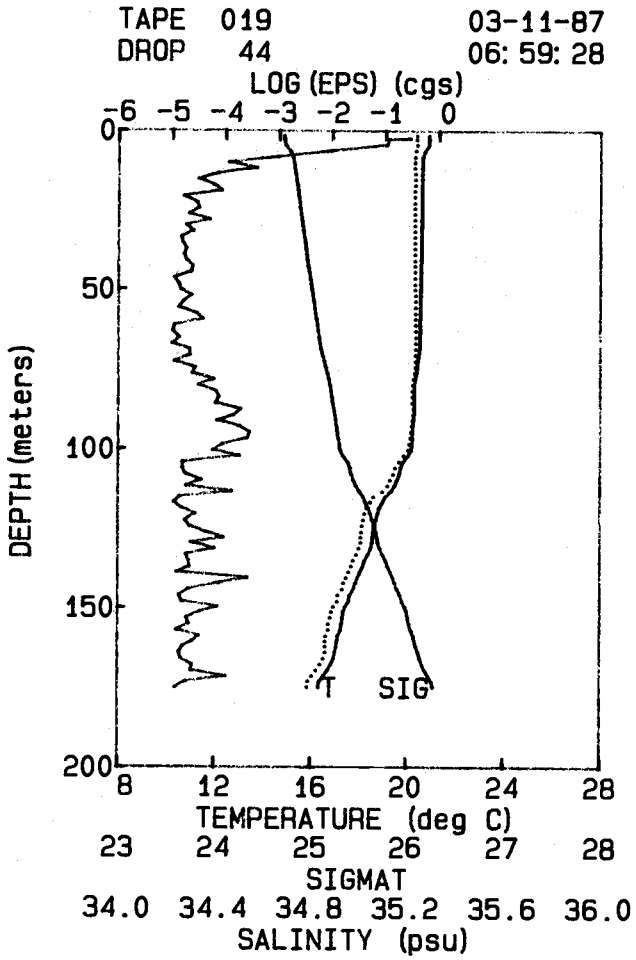
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100
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200
T SIG
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TEMPERATURE (deg C)
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SIGMAT
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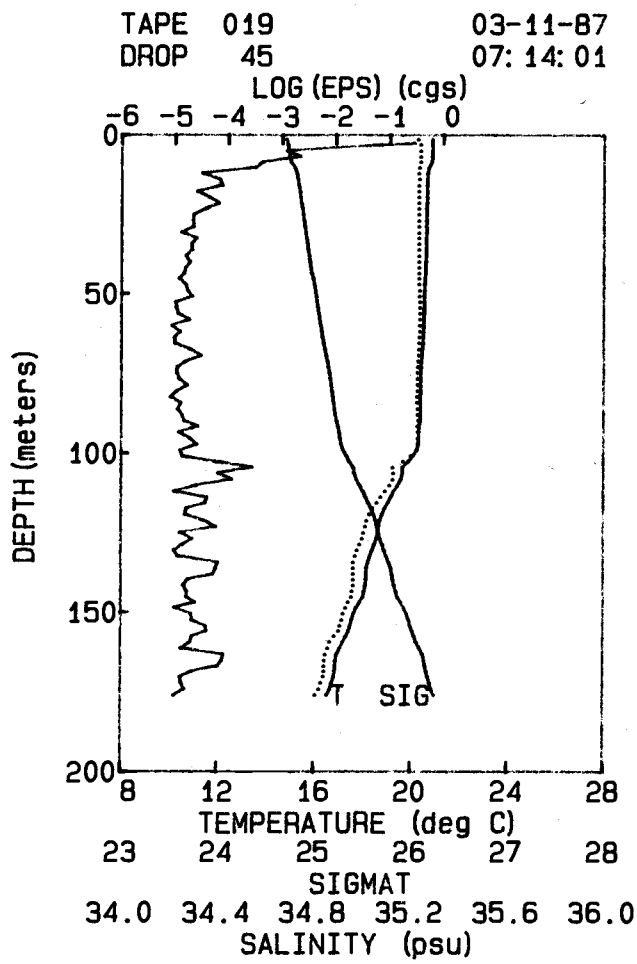
SALINITY (psu)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200
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TEMPERATURE (deg C)
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SIGMAT
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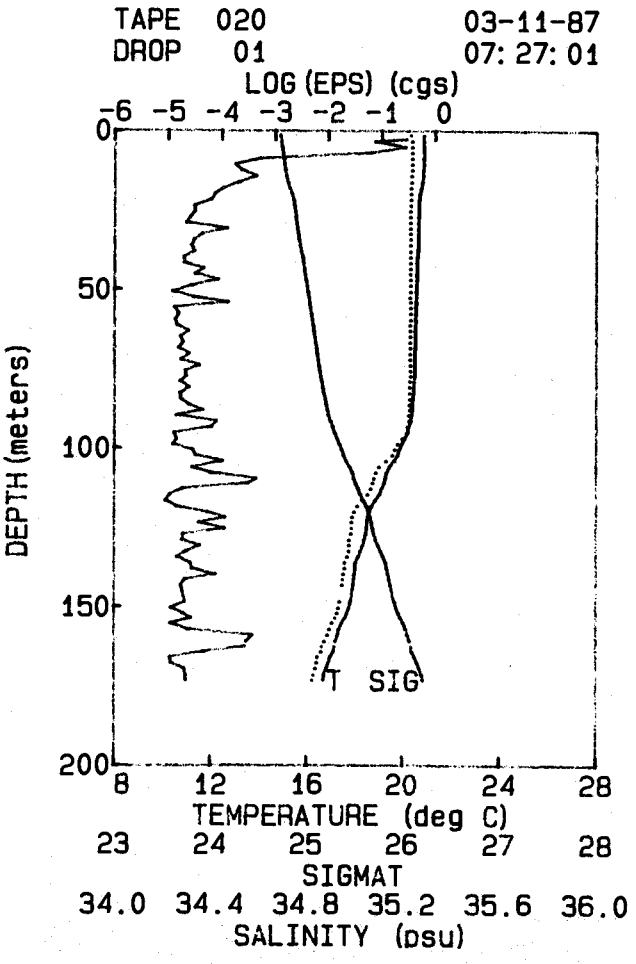
SALINITY (psu)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200
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23 24 25 26 27 28
SIGMAT
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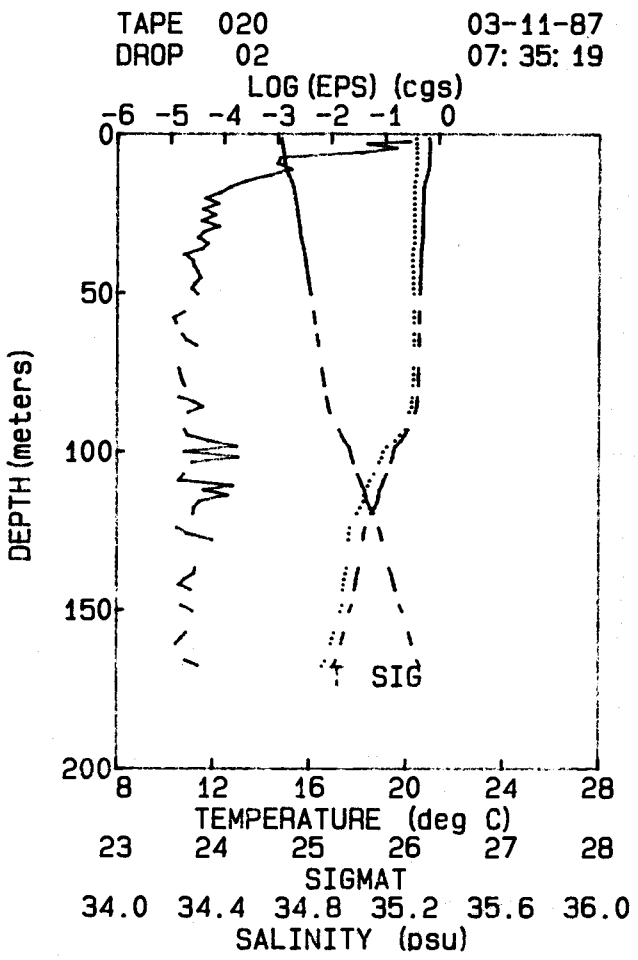
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100
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200
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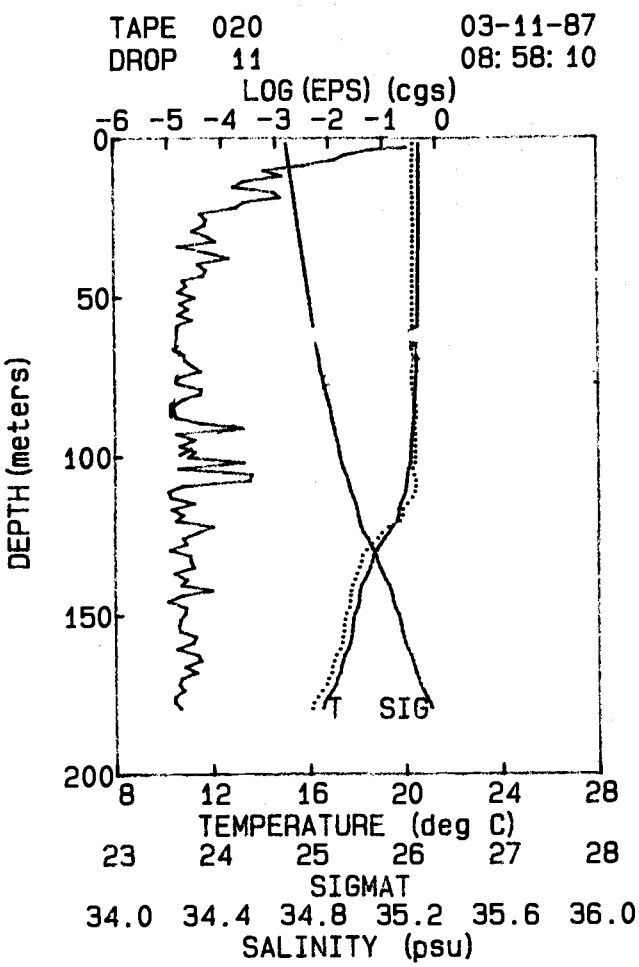
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
T SIG
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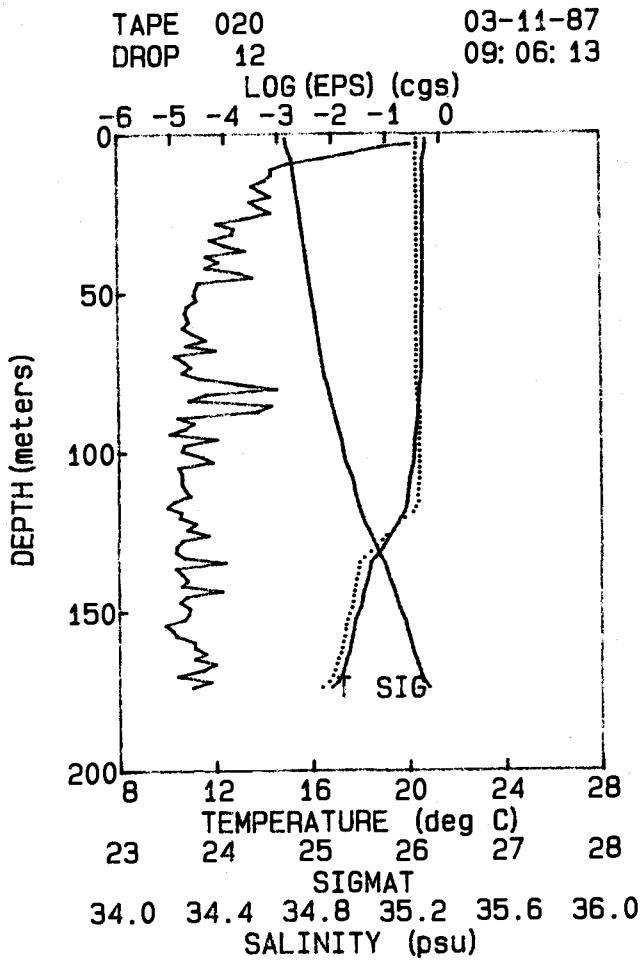
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
T SIG
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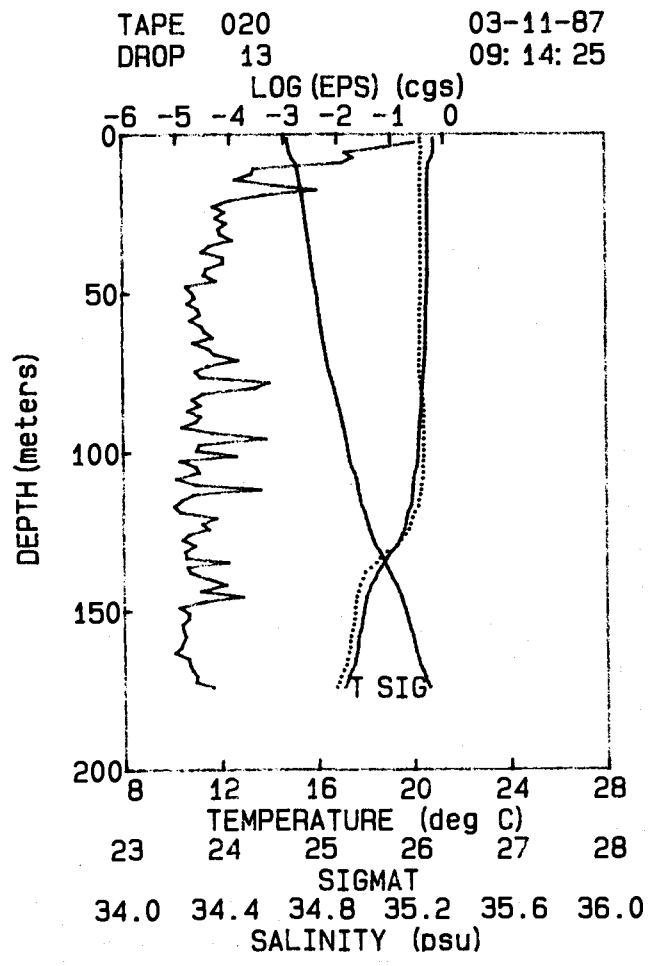
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
T SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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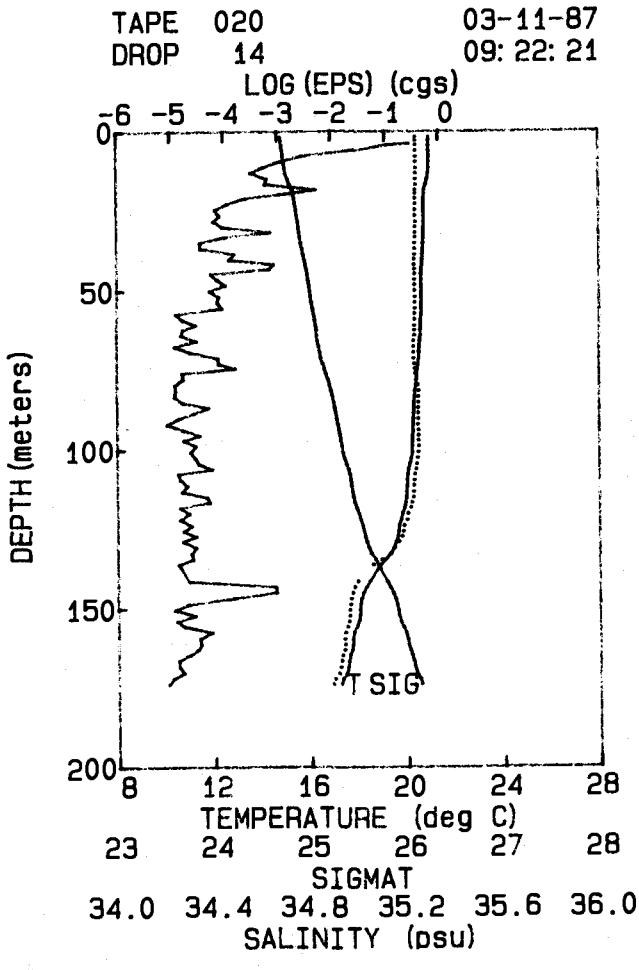
SALINITY (psu)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09: 22: 21
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DEPTH (meters)
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100
150
200
T SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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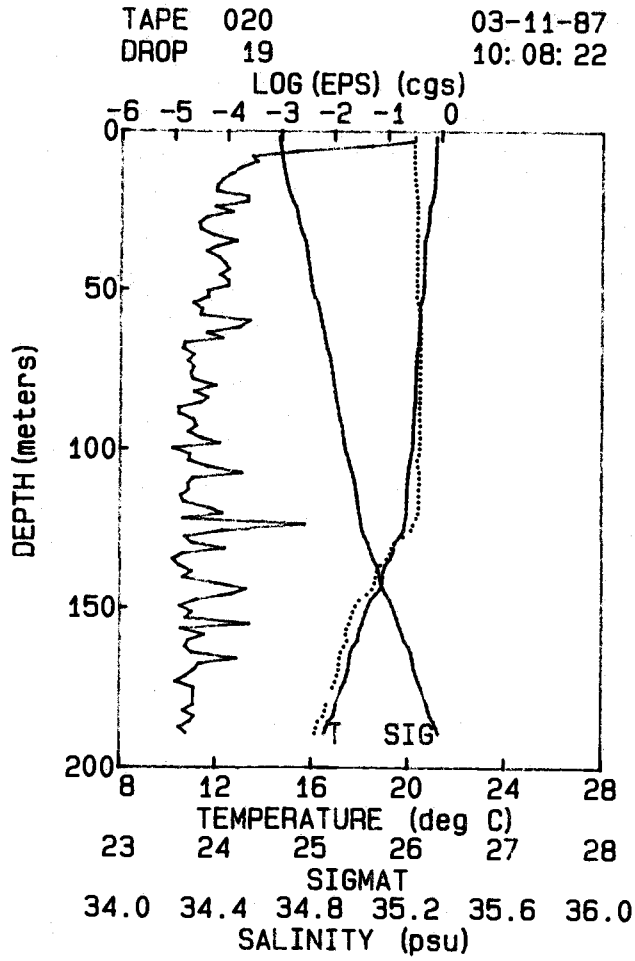
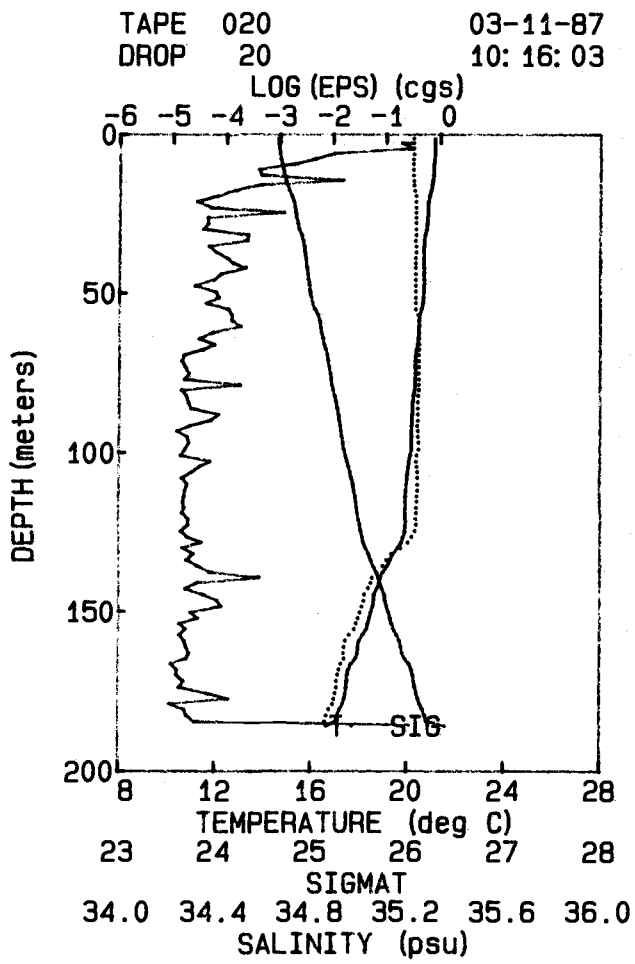
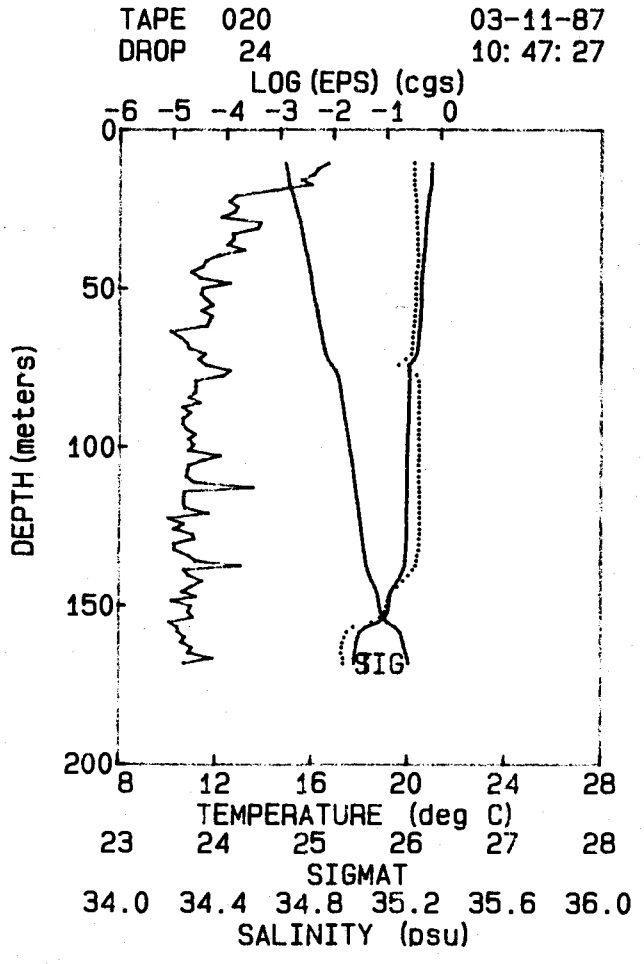
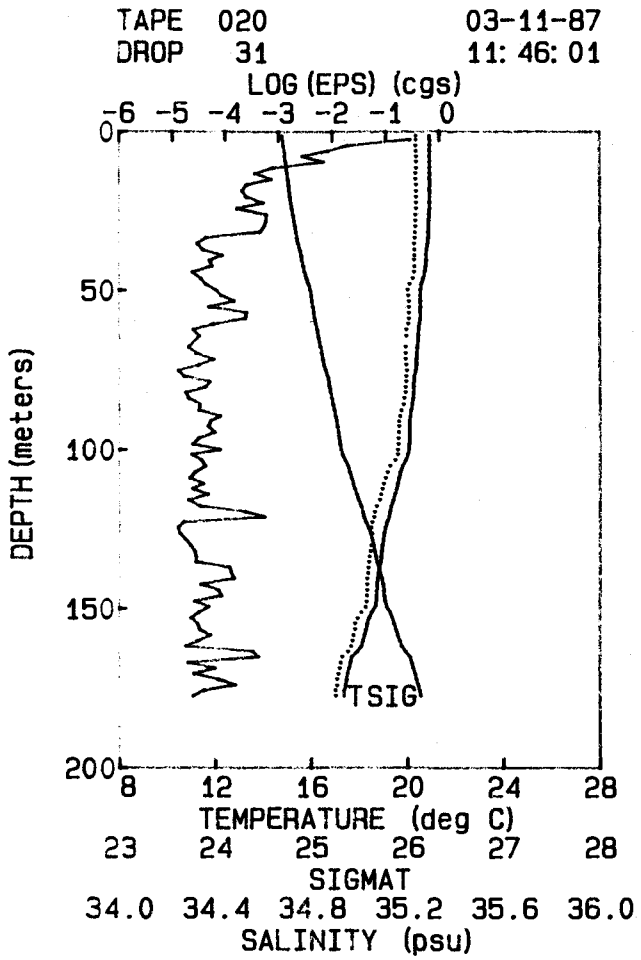
SALINITY (psu)

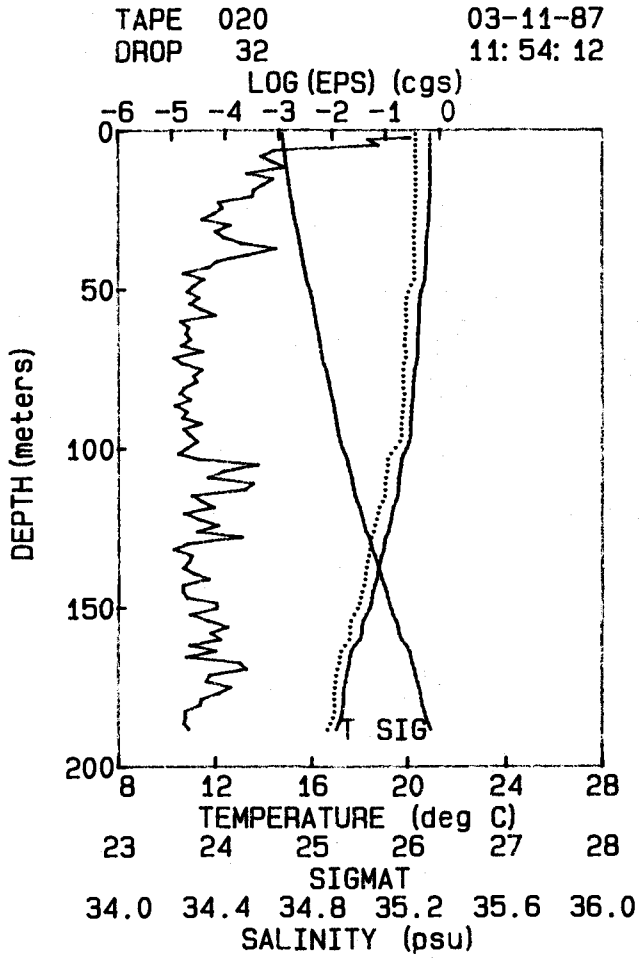


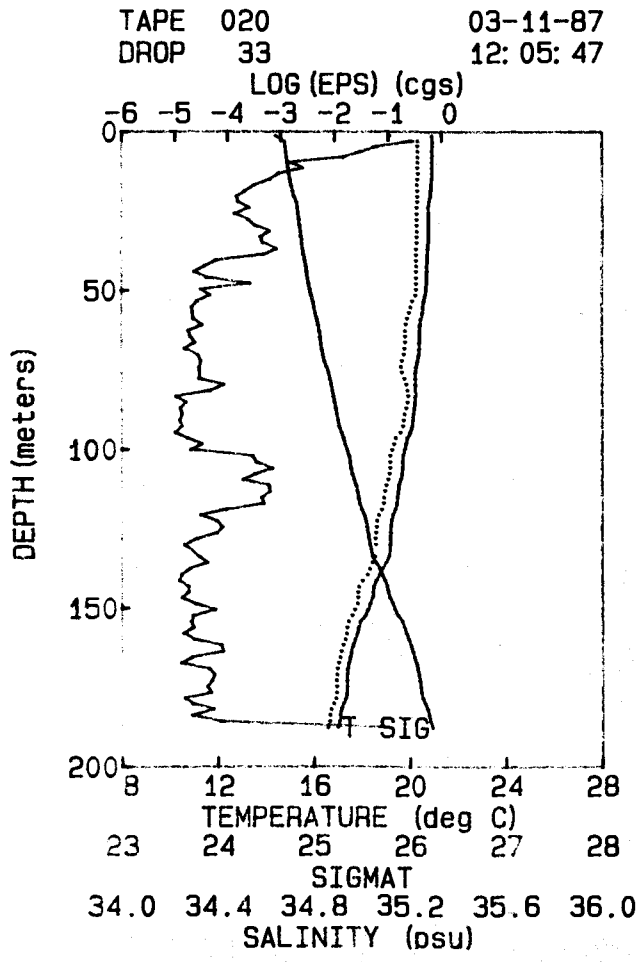




DEPTH (meters)

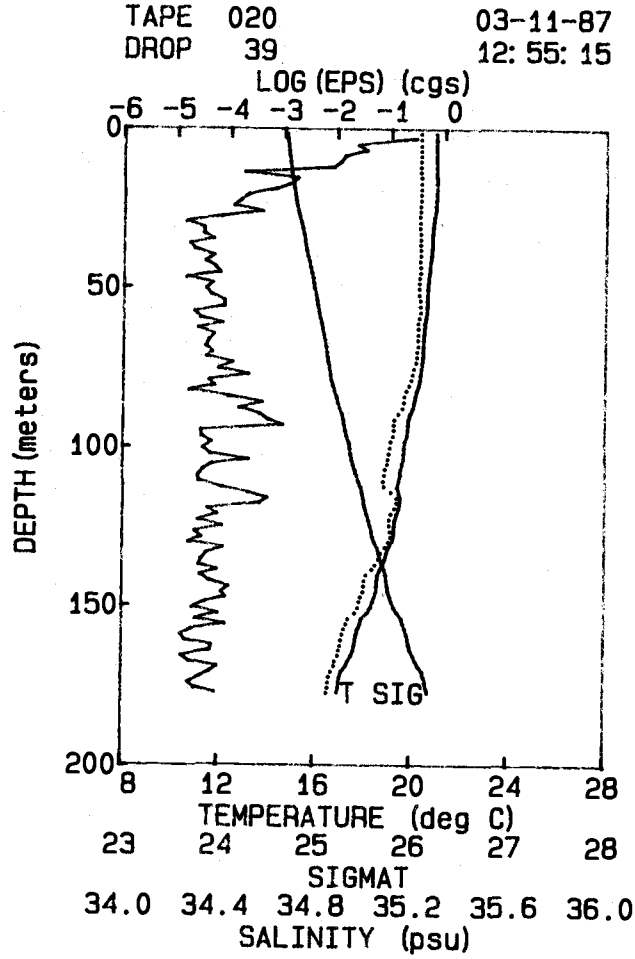





DEPTH (meters)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03-11-87
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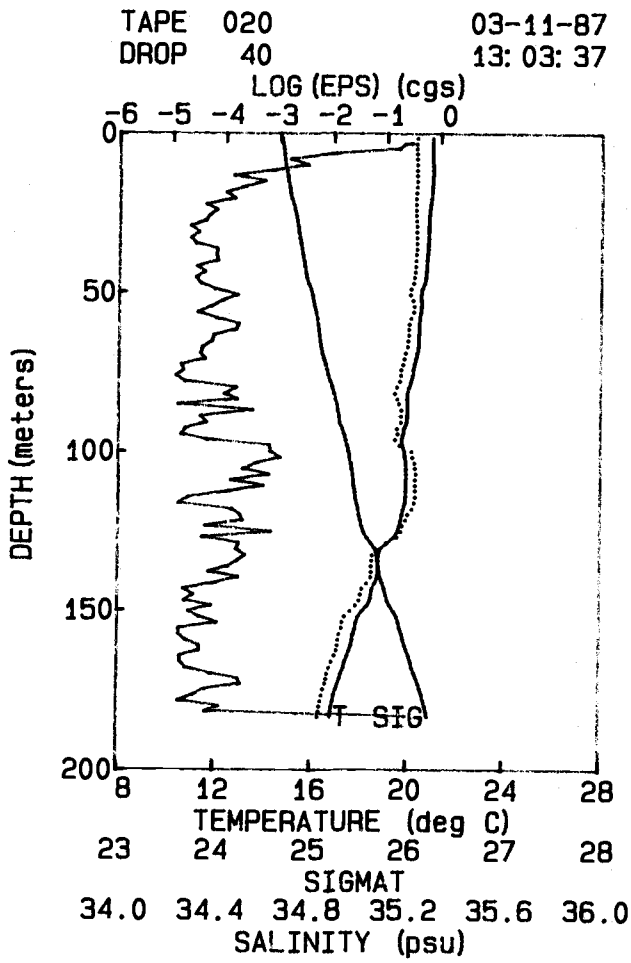
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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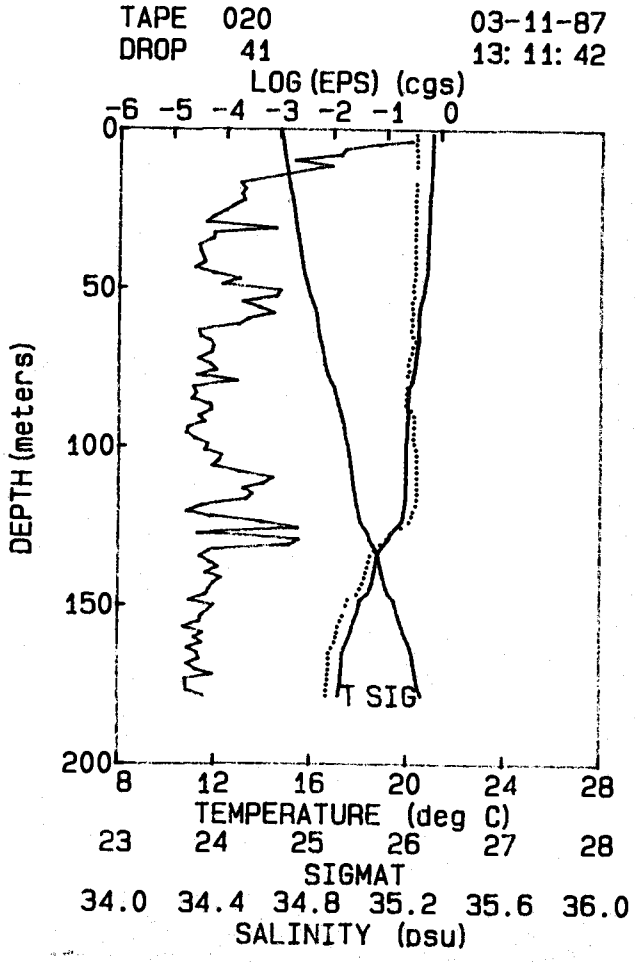
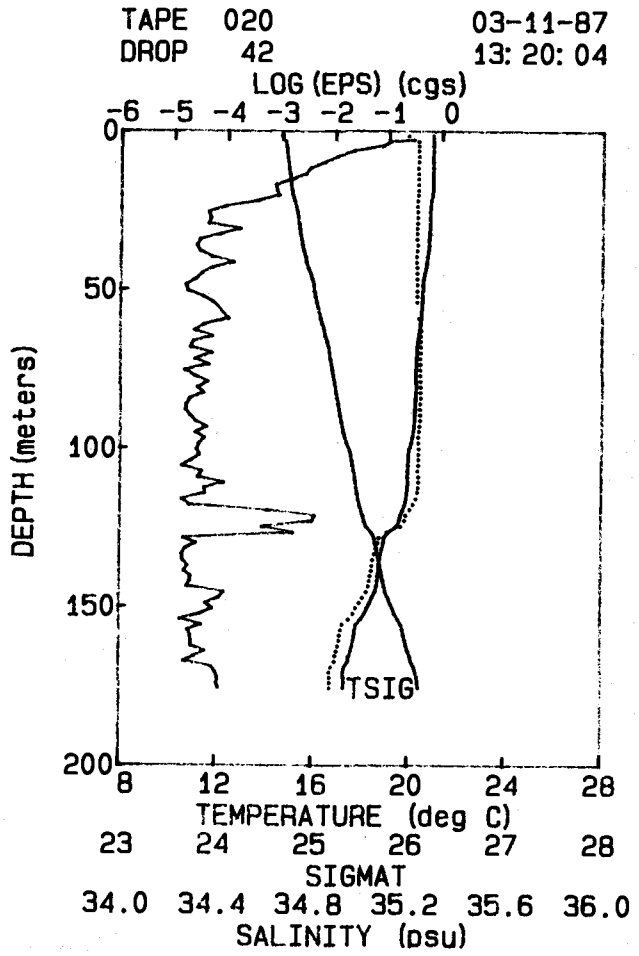
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 020
DROP 41
03-11-87
13: 11: 42
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-11-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
TSIG
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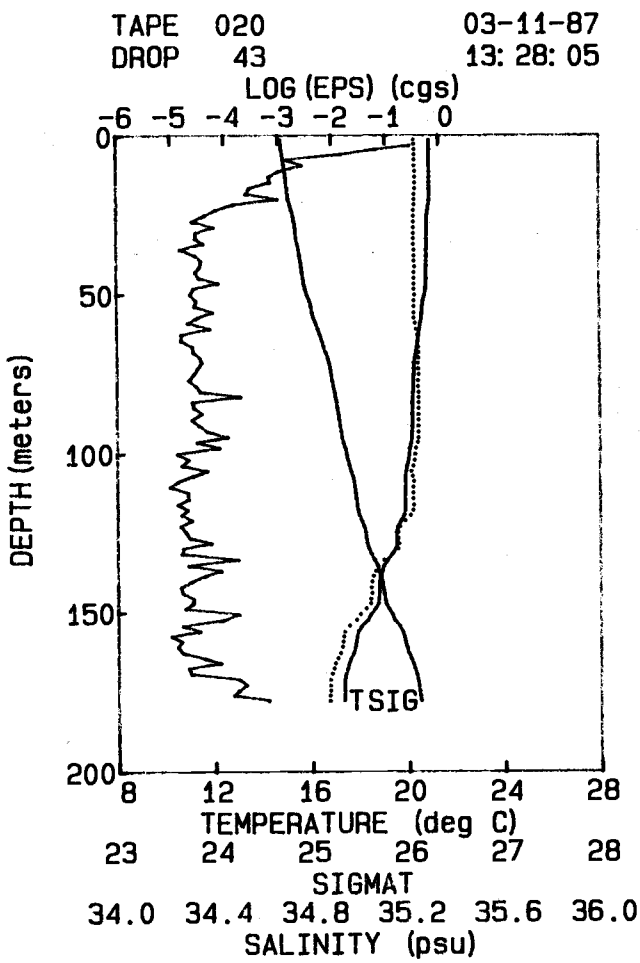
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-11-87
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LOG (EPS) (cgs)
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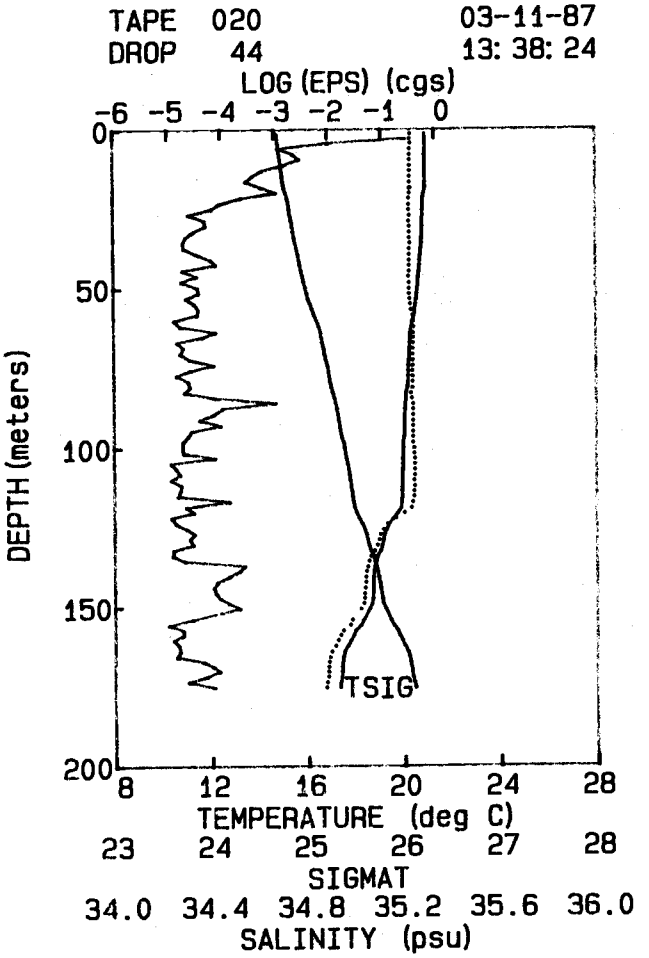
DEPTH (meters)
0
50
100
150
200
TSIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 44
03-11-87
13: 38: 24
LOG (EPS) (cgs)
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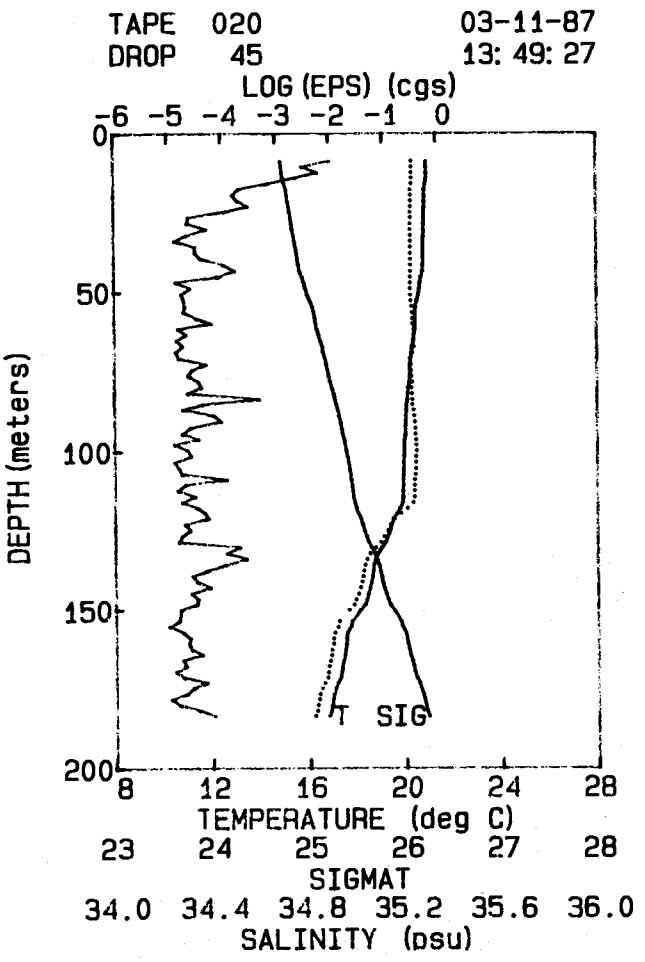
DEPTH (meters)
0
50
100
150
200
TSIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 45
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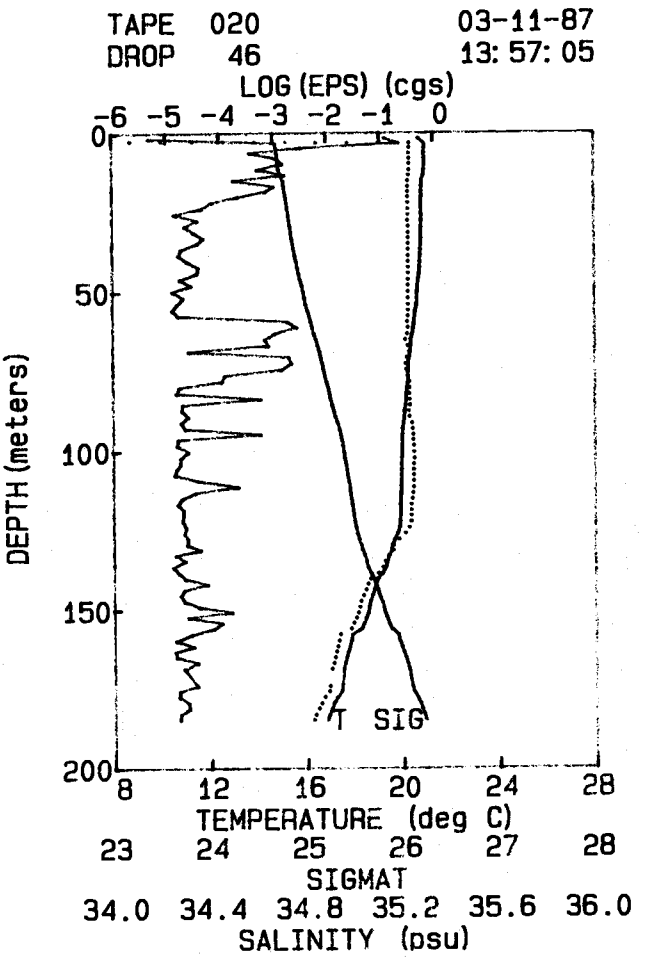
13: 49: 27
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-11-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T SIG
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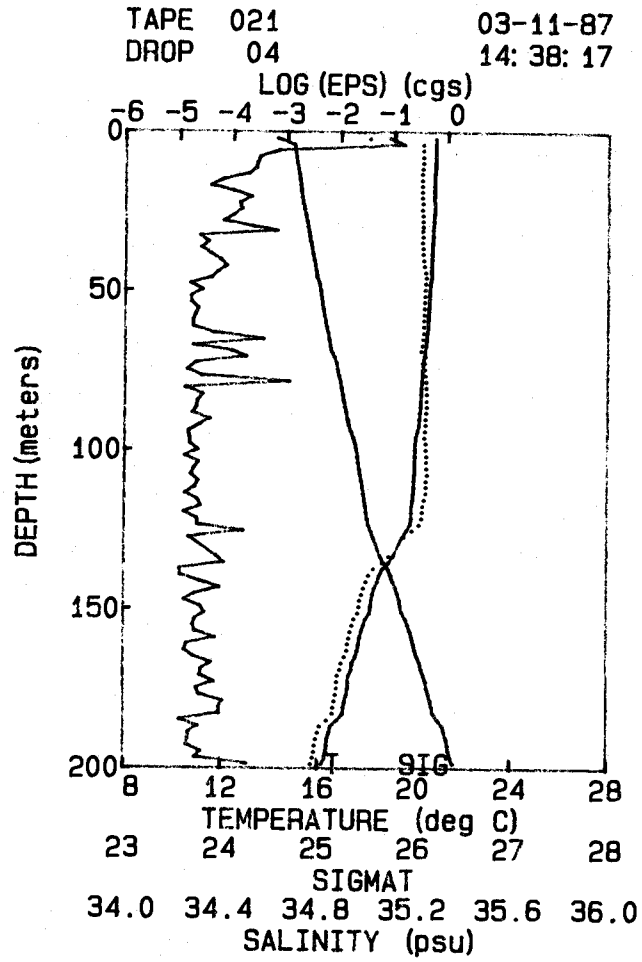
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-11-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T SIG
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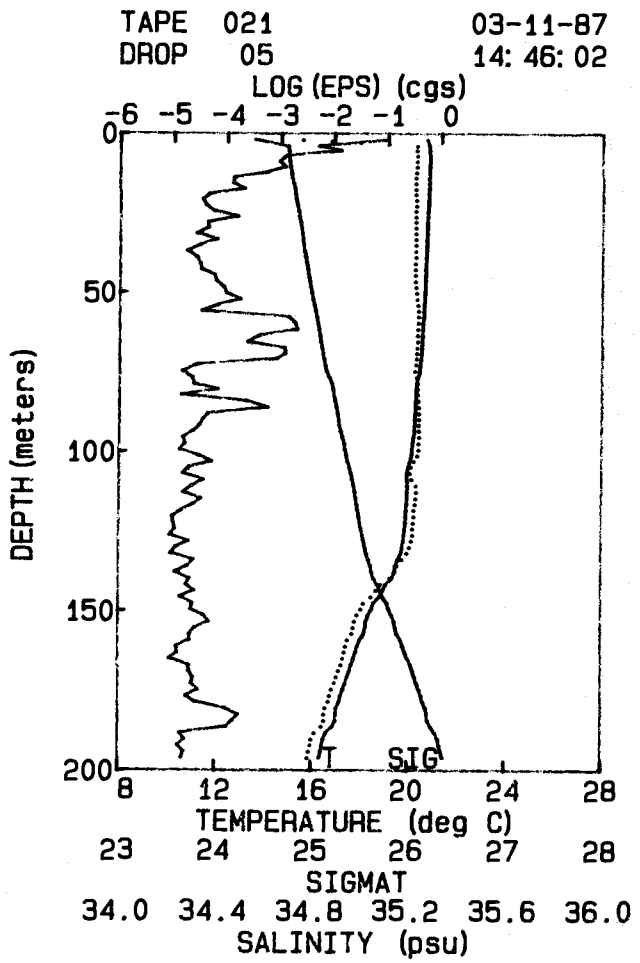
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 05
03-11-87
14: 46: 02
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
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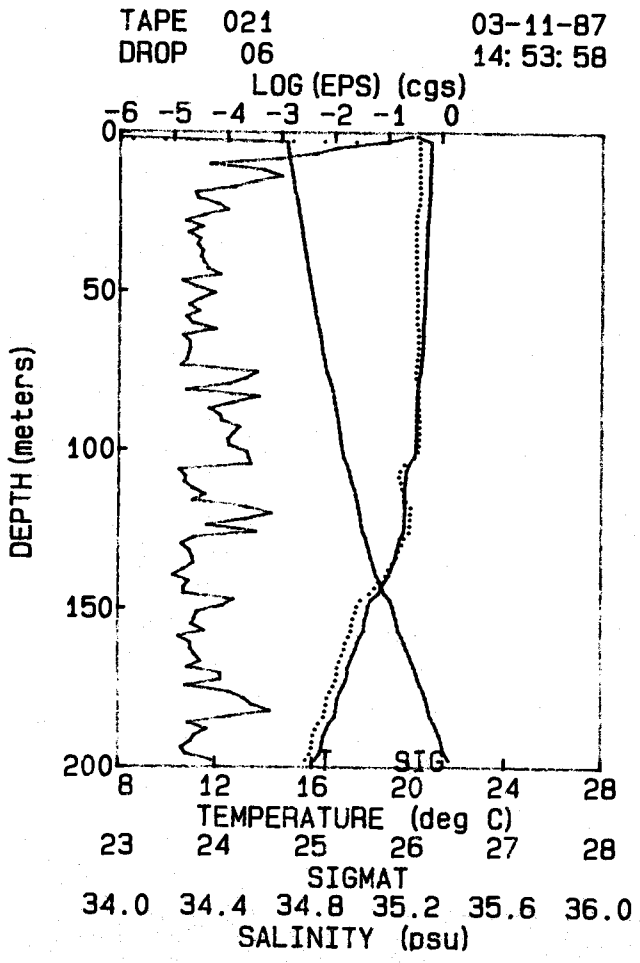
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 06
03-11-87
14: 53: 58
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
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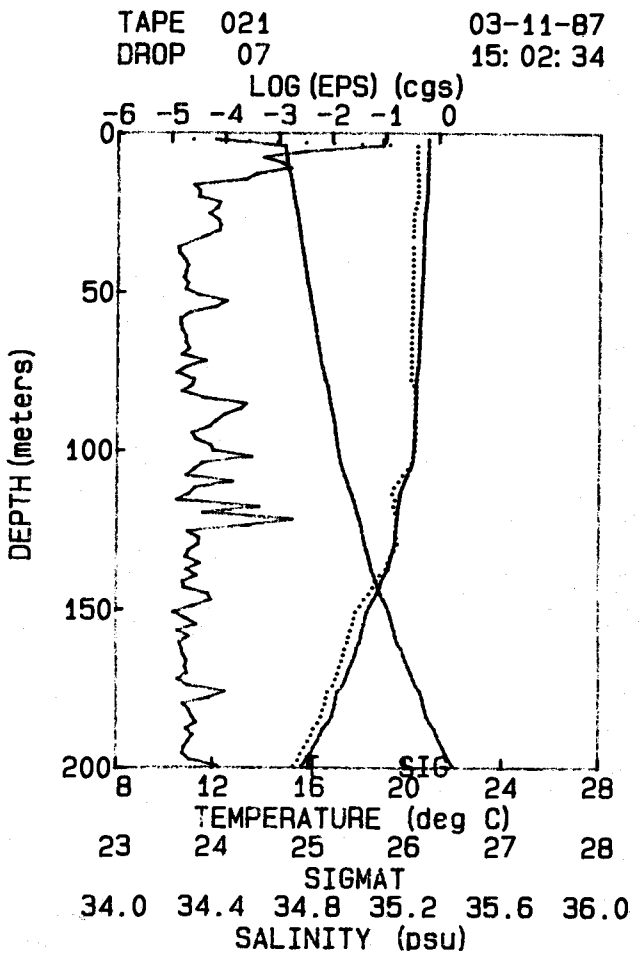
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-11-87
15: 02: 34
LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
T SIG
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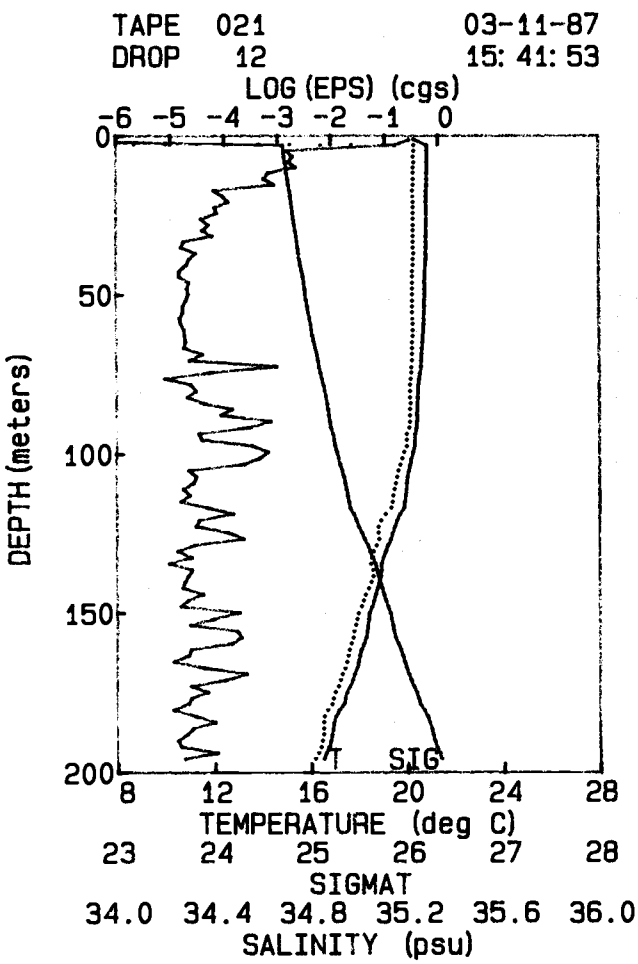
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-11-87
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LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
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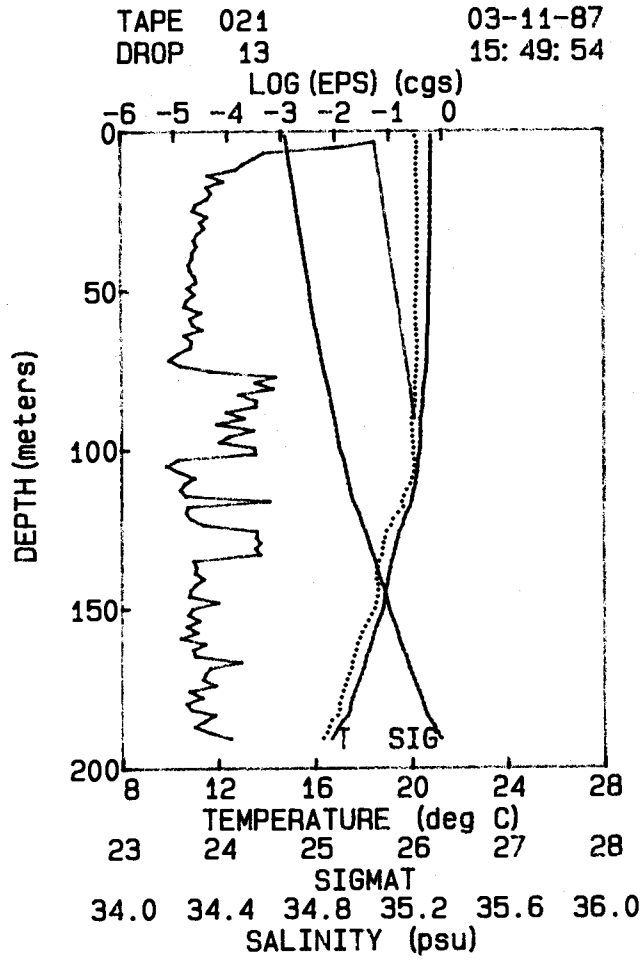
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 13
03-11-87
15: 49: 54
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
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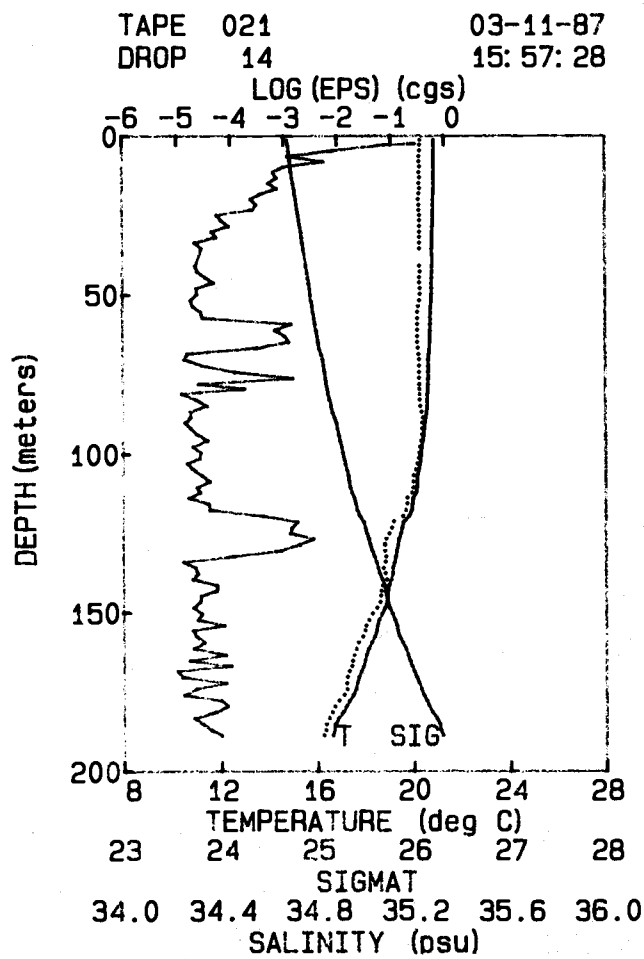
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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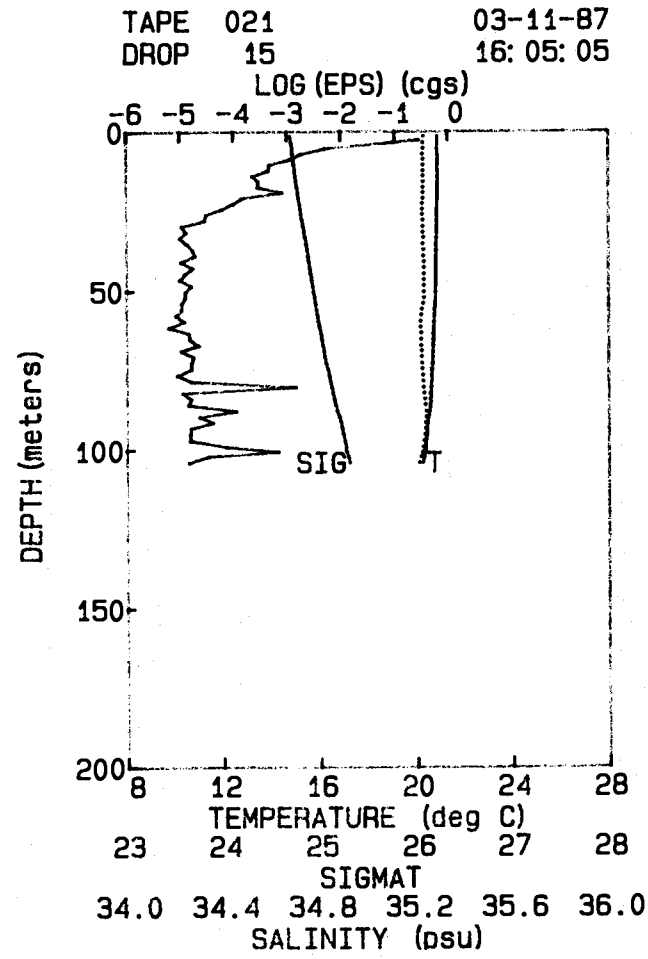
DROP 14
03-11-87
15: 57: 28
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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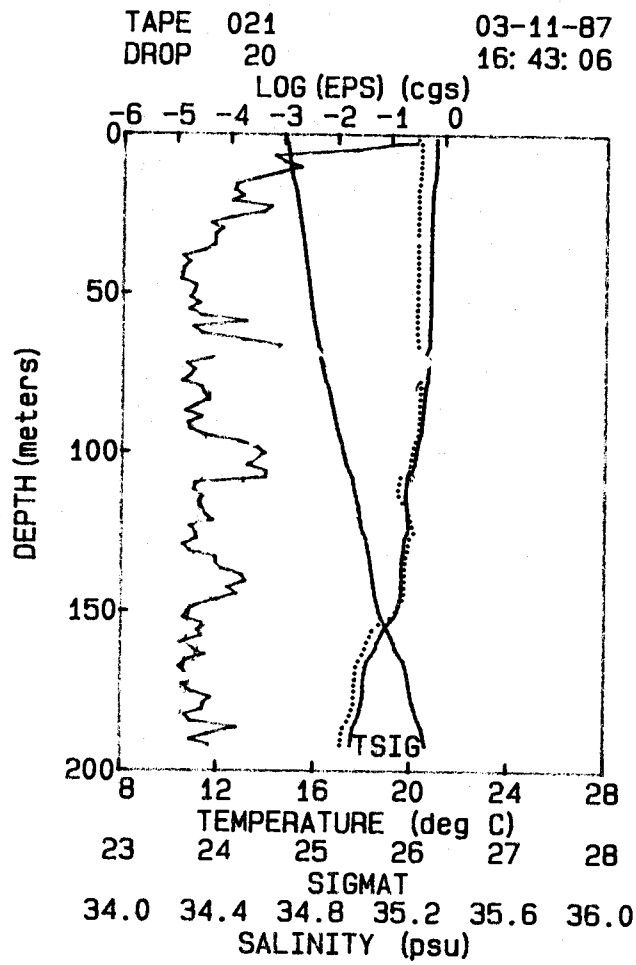
DROP 15
03-11-87
16: 05: 05
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG T
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 20
03-11-87
16: 43: 06
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
TSIG
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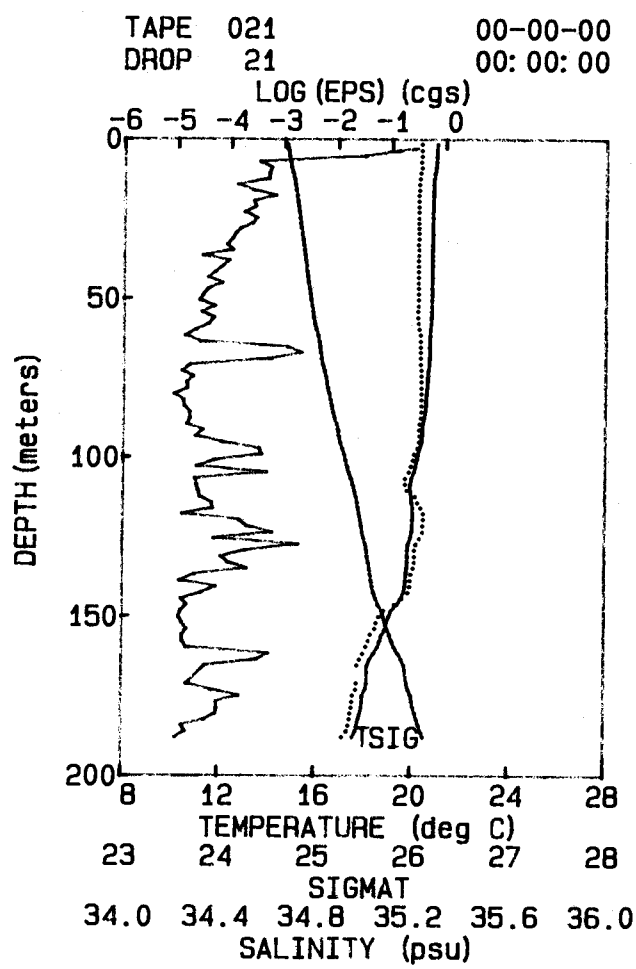
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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00-00-00
00: 00: 00
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DEPTH (meters)
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50
100
150
200
TSIG
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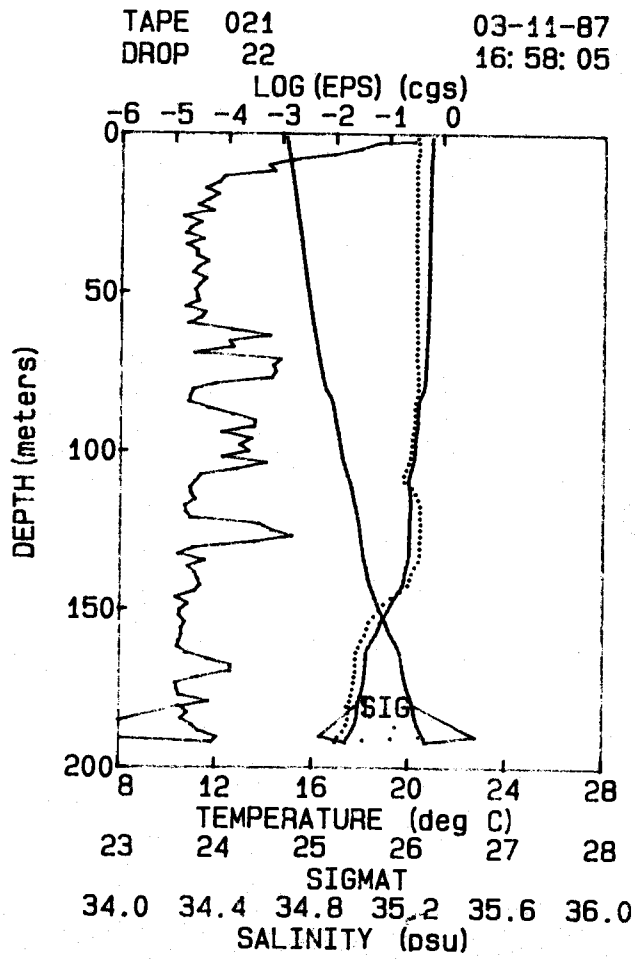
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 021
DROP 22
03-11-87
16: 58: 05
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
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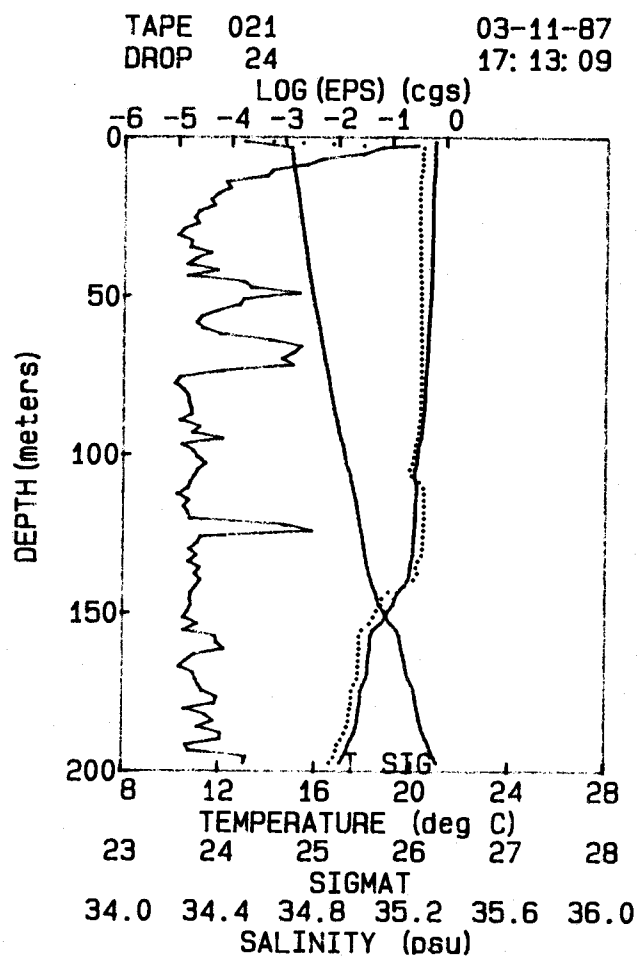
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 24
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DEPTH (meters)
0
50
100
150
200
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TEMPERATURE (deg C)
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SIGMAT
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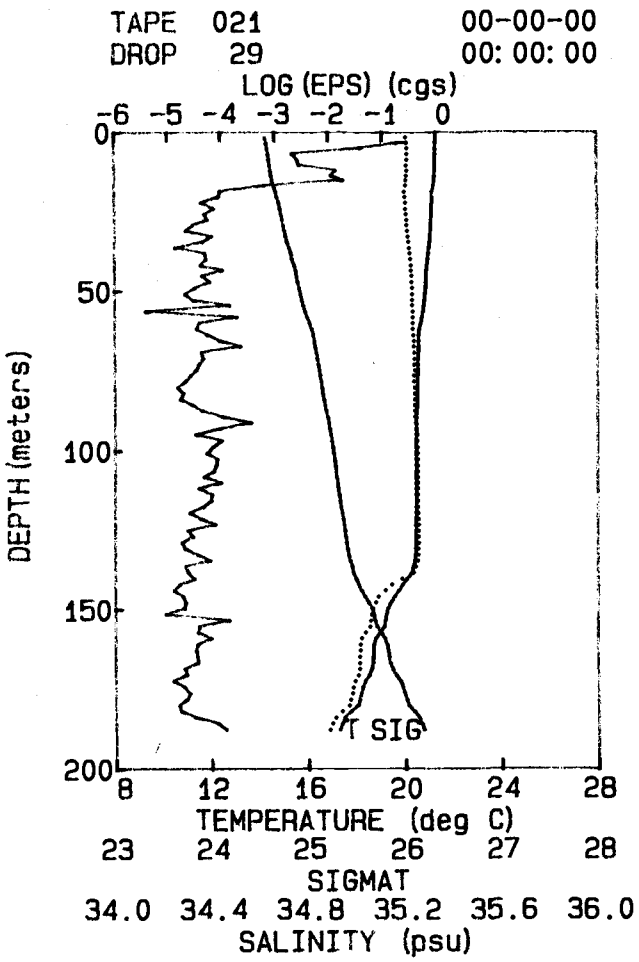
SALINITY (psu)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50
100
150
200
DEPTH (meters)
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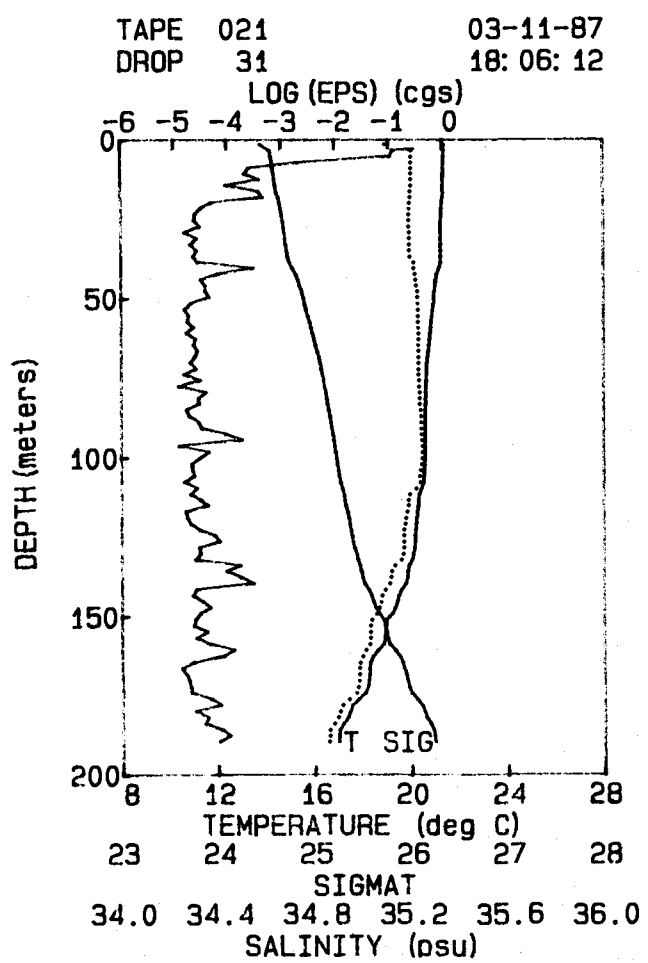
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-11-87
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LOG (EPS) (cgs)
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100
150
200
DEPTH (meters)
T SIG
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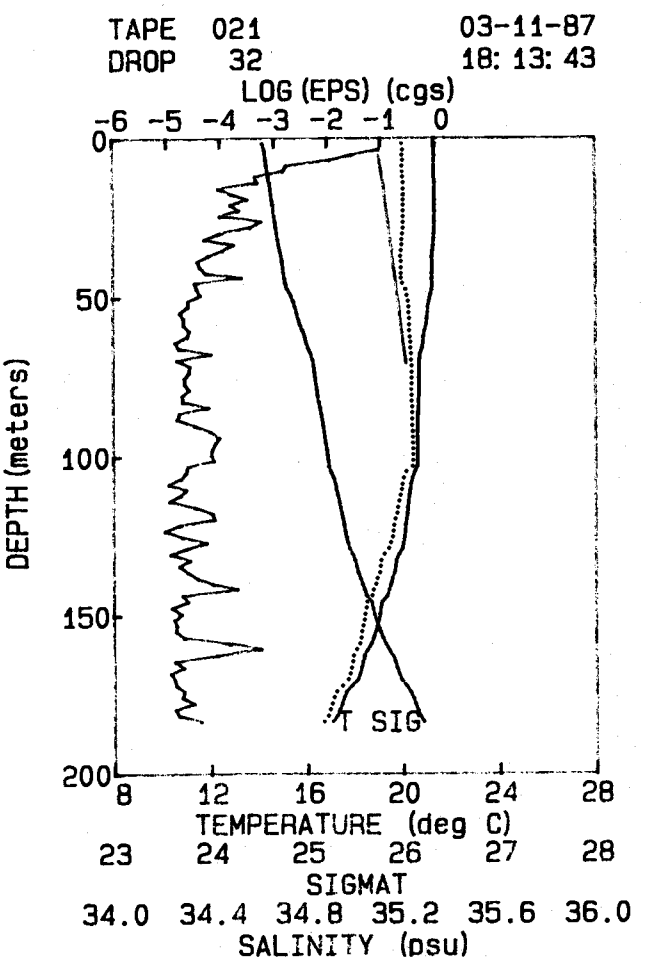
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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18: 13: 43
LOG (EPS) (cgs)
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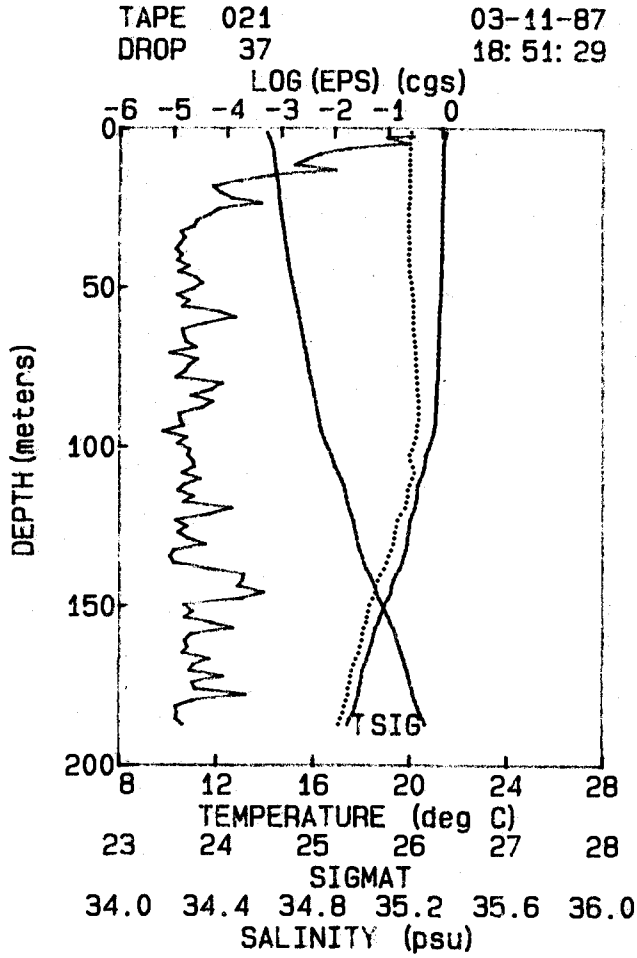
100
150
200
DEPTH (meters)
T SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
T SIG
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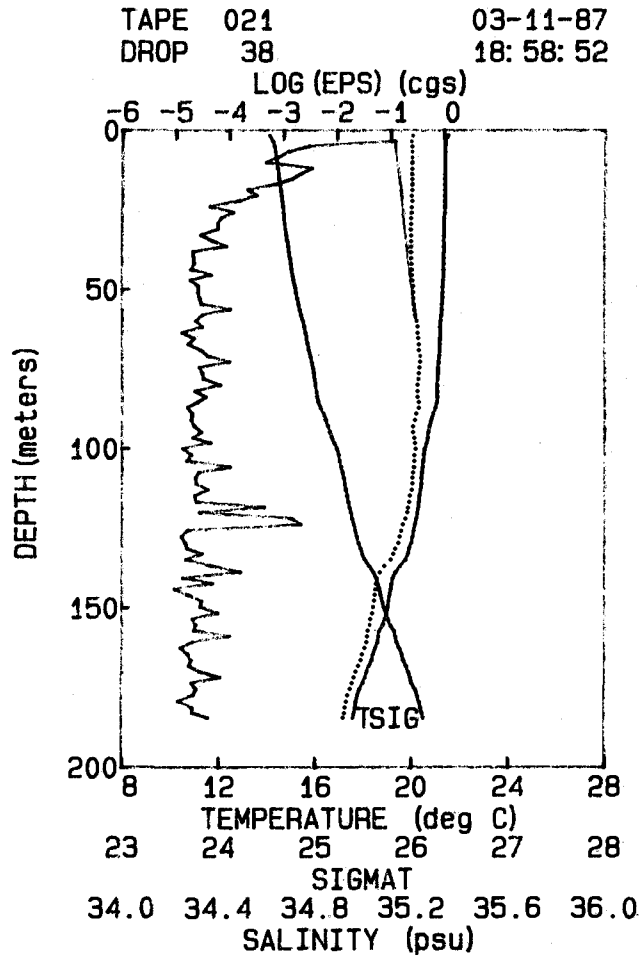
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 38
03-11-87
18: 58: 52
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
TSIG
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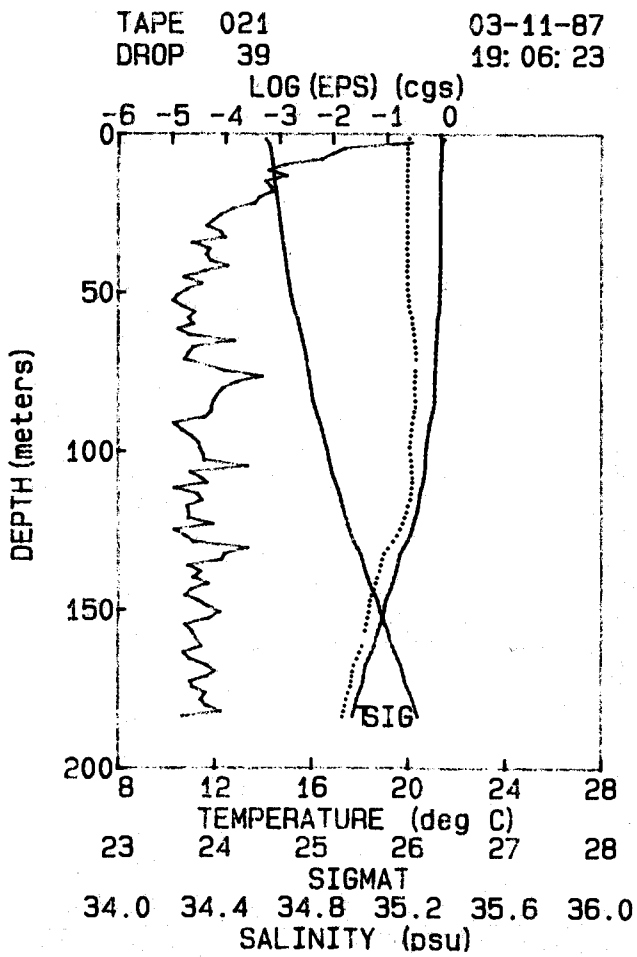
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-11-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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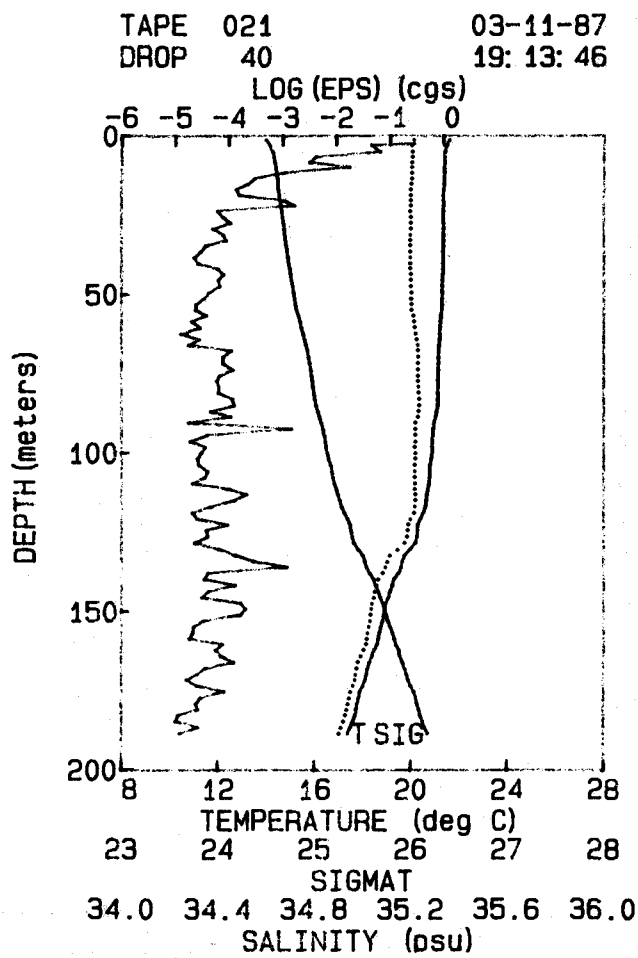
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-11-87
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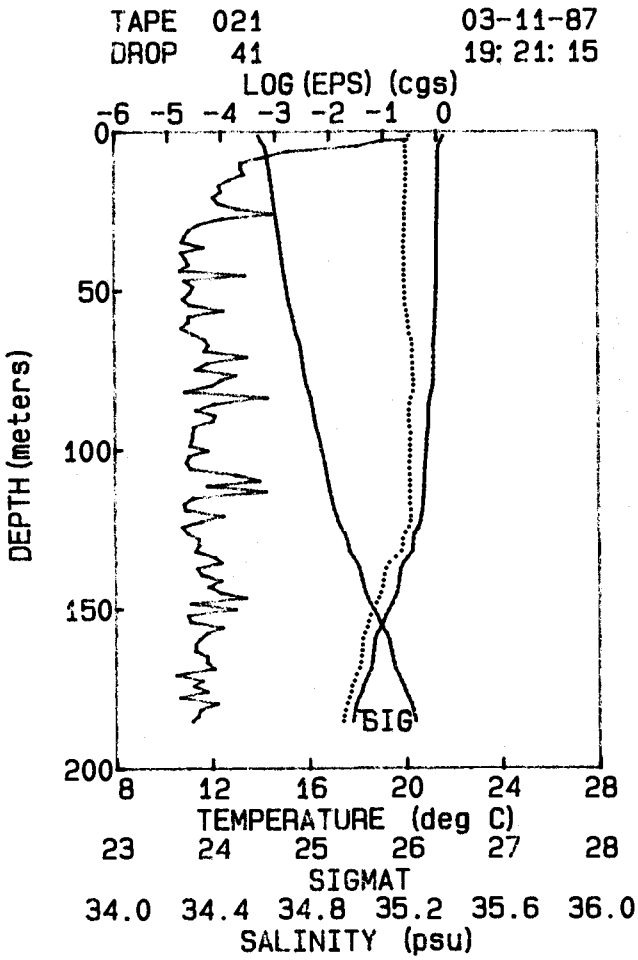
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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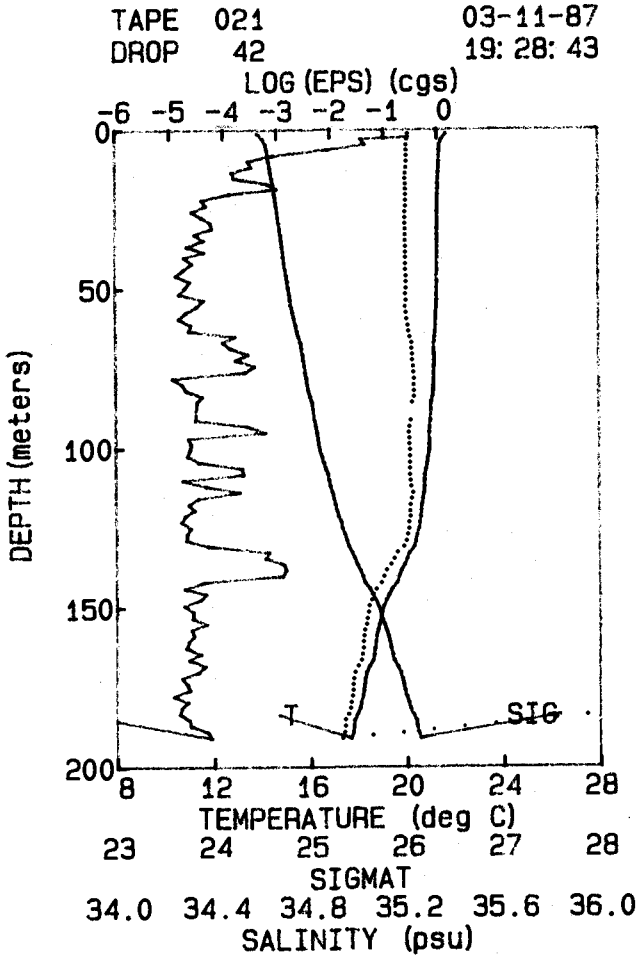
DROP 41
03-11-87
19: 21: 15
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 42
03-11-87
19: 28: 43
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
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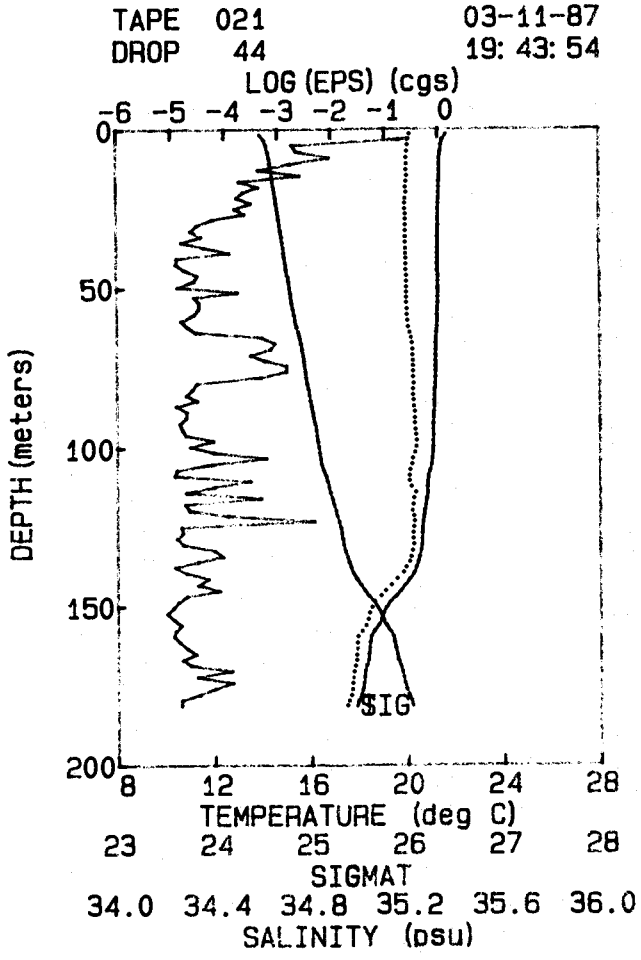
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 021
DROP 44
03-11-87
19: 43: 54
LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIG
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TEMPERATURE (deg C)
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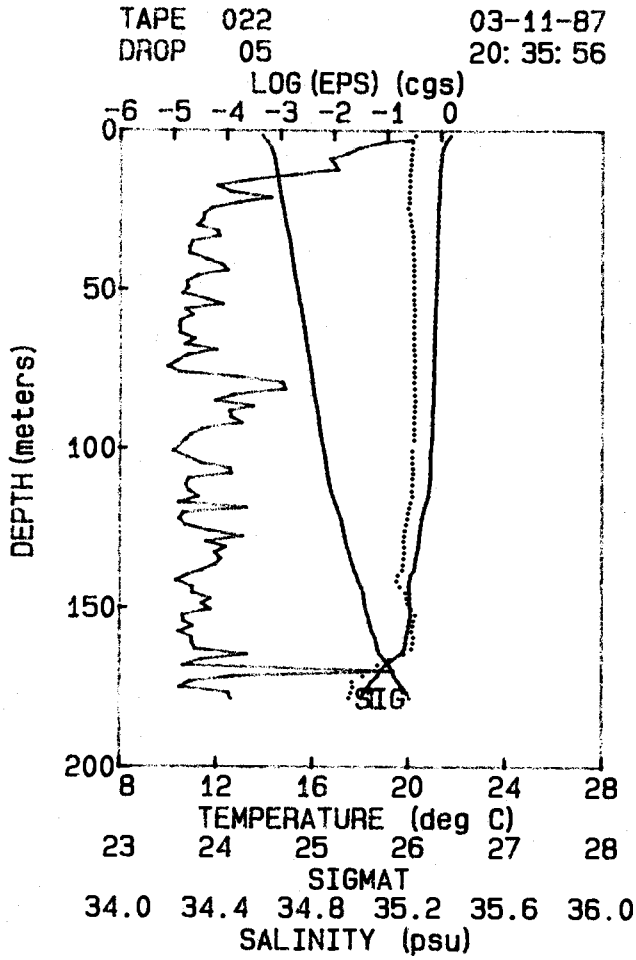
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-11-87
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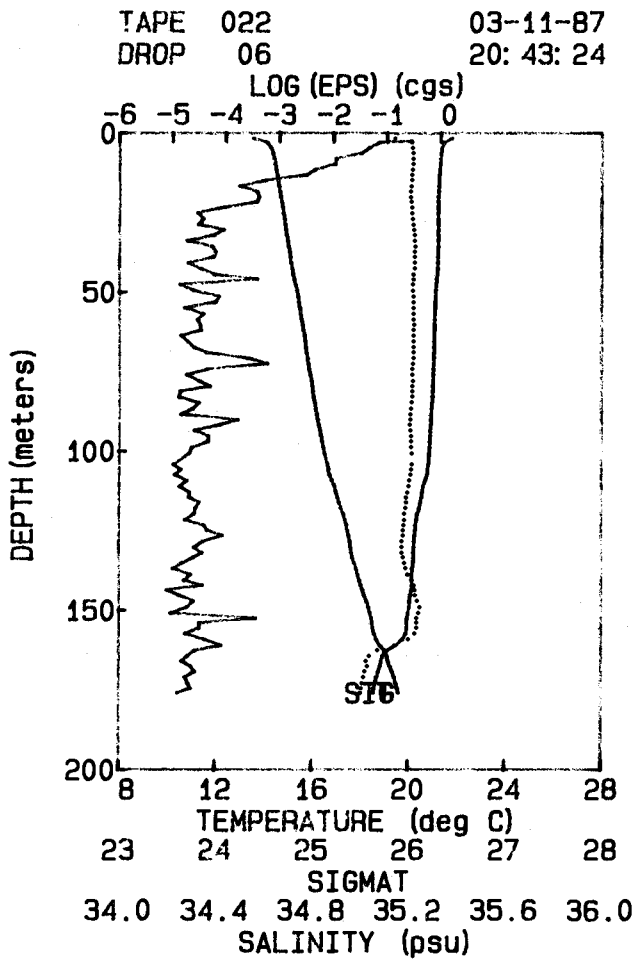
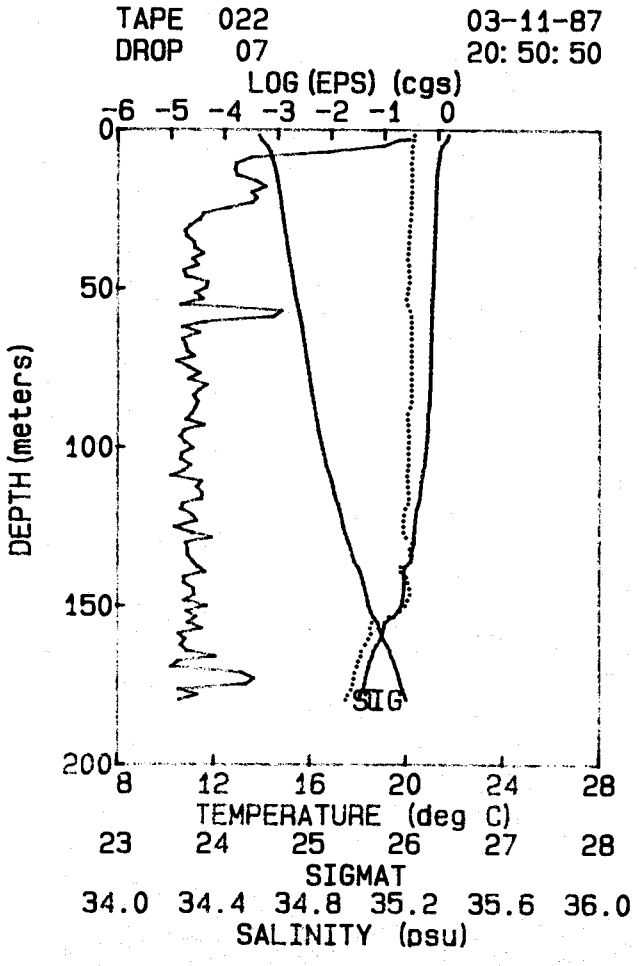
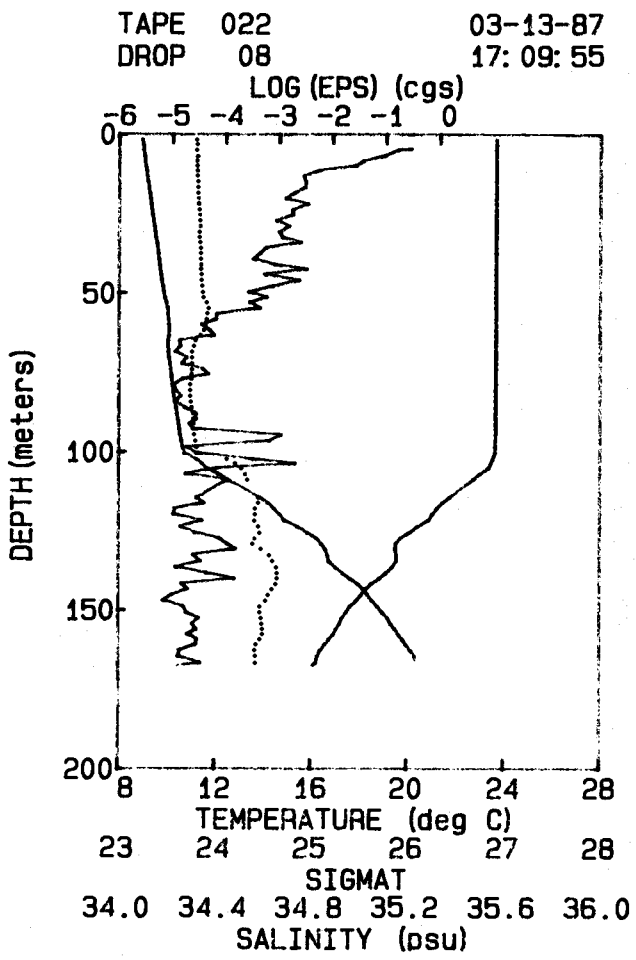
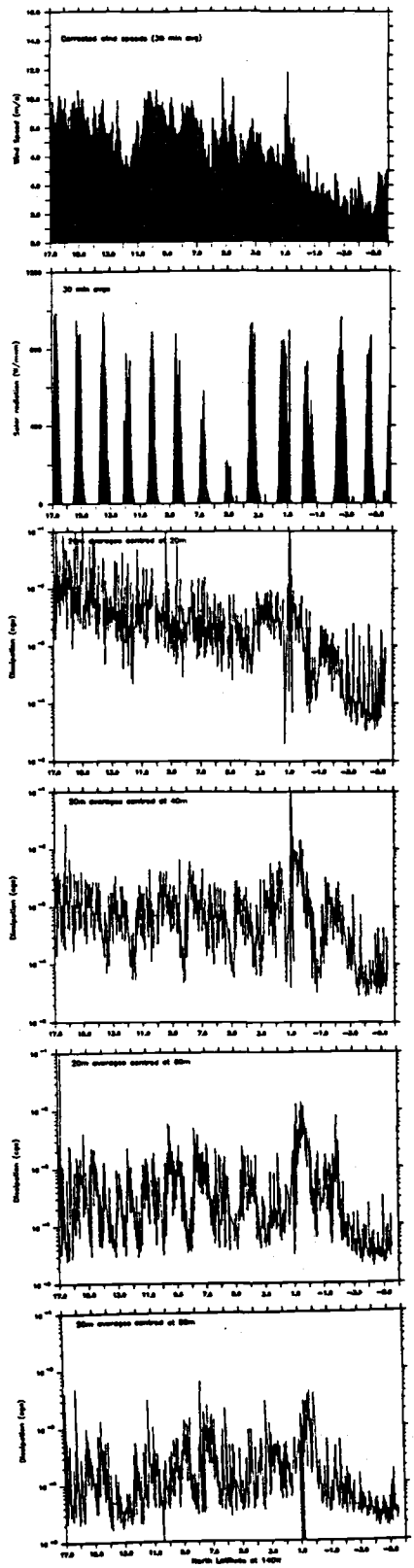
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 022
DROP 06
03-11-87
20: 43: 24
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 022
DROP 07
03-11-87
20: 50: 50
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 022
DROP 08
03-13-87
17: 09: 55
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)



WIND

SUN

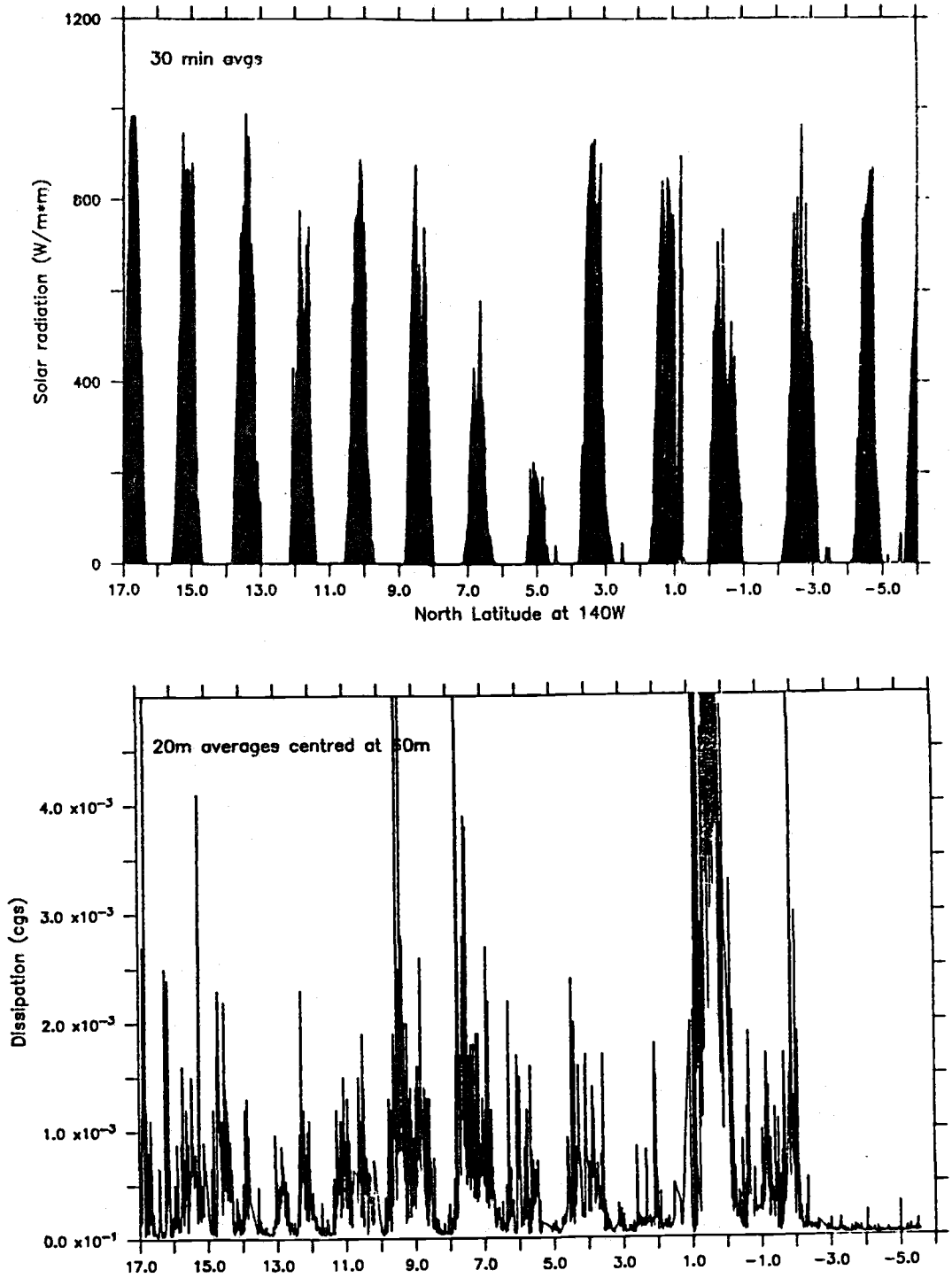
Wind/insolation/dissipation vs latitude from 17°N to 6°S along 140°W. The top plot represents wind speed, the next represents solar insolation. The bottom 4 plots show 20-meter vertically-averaged dissipation rate, $\epsilon$, centered at depths of 20, 40, 60 and 80 meters. The scale for $\epsilon$ is logarithmic.

10-30 METER DISSIPATION RATE

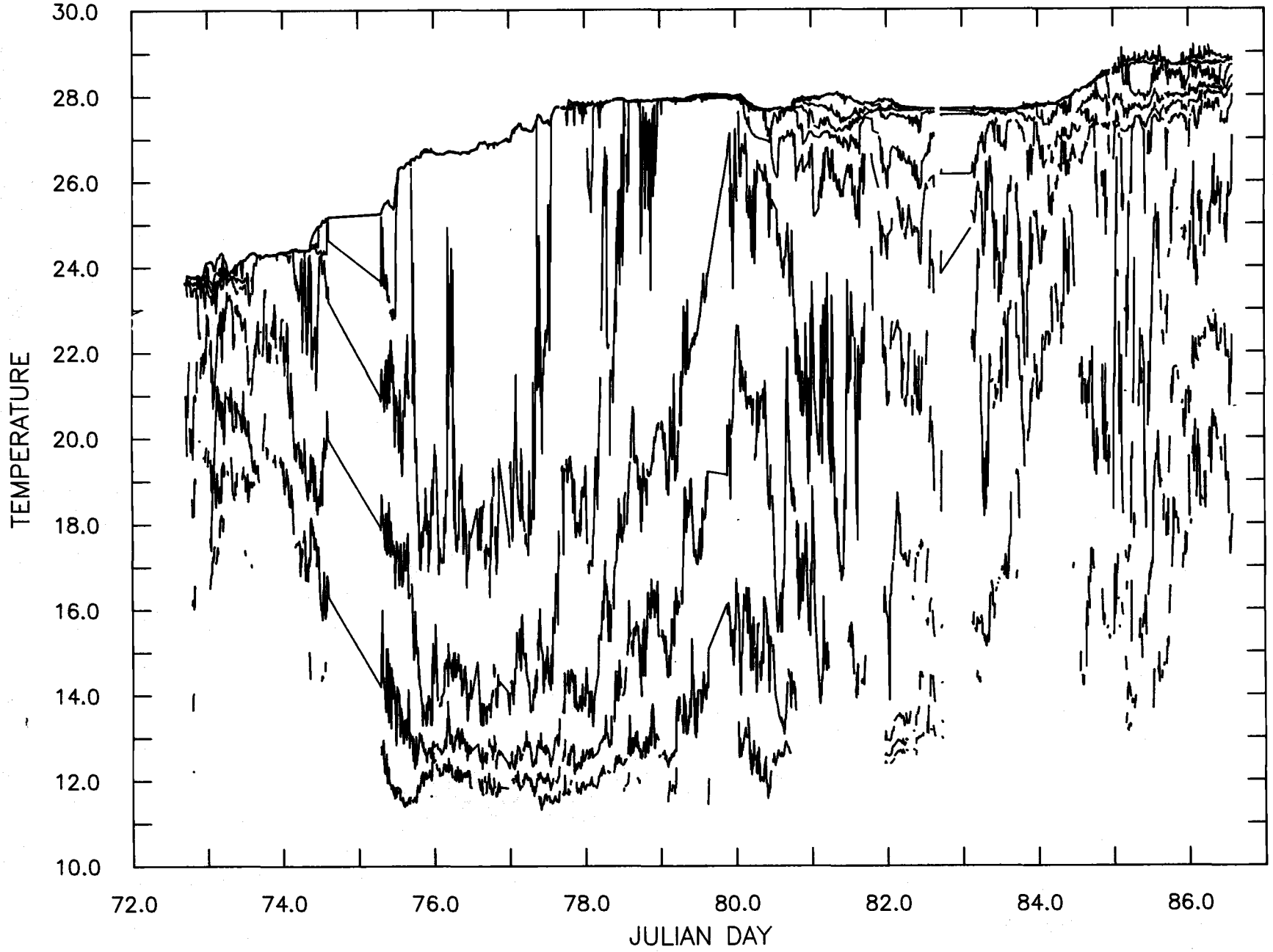
30-50 METER DISSIPATION RATE

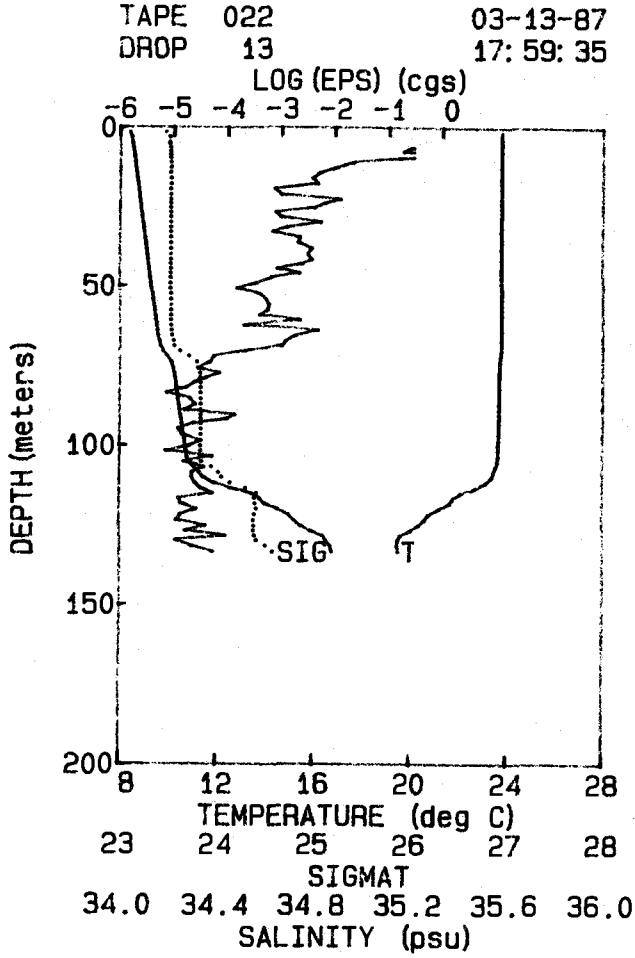
50-70 METER DISSIPATION RATE

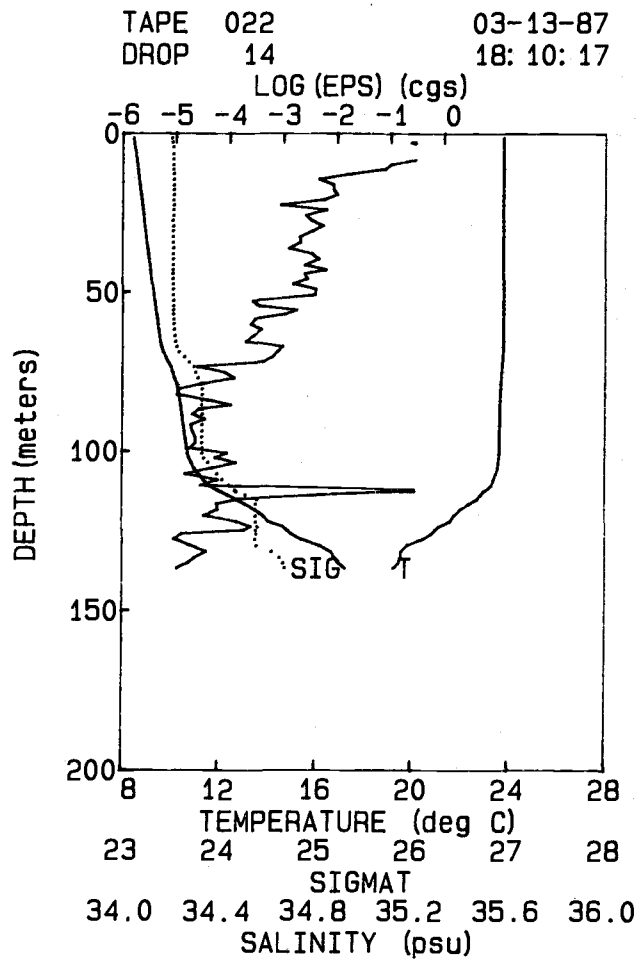
70-90 METER DISSIPATION RATE




Solar insolation and 50-70 meter $\epsilon$ from 17°N to 6°S along 140°W. The scale for $\epsilon$ is linear.


30.0
28.0
26.0
24.0
22.0
20.0
18.0
16.0
14.0
12.0
10.0
TEMPERATURE
72.0
74.0
76.0
78.0
80.0
82.0
84.0
86.0
JULIAN DAY


TAPE 022
DROP 13
03-13-87
17: 59: 35
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
T
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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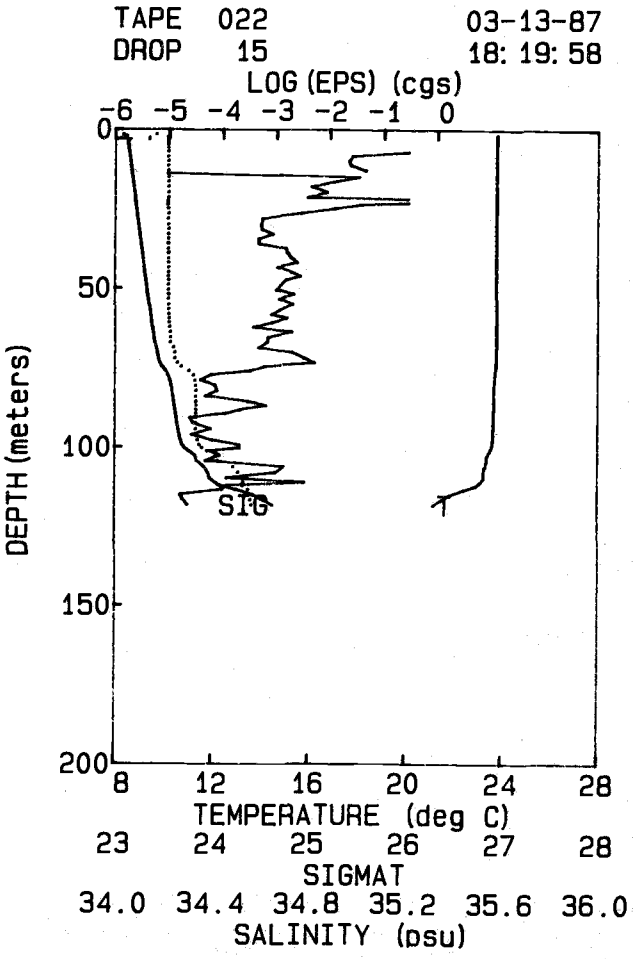
DEPTH (meters)
0
50
100
150
200
SIG
T
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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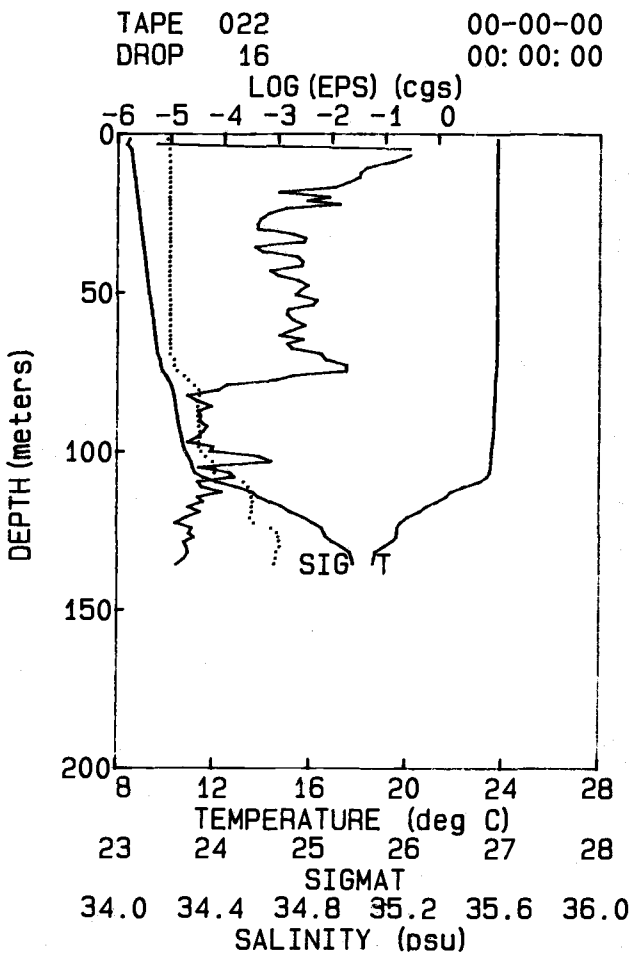
DEPTH (meters)
0
50
100
150
200
SIG
T
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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00-00-00
00: 00: 00
LOG (EPS) (cgs)
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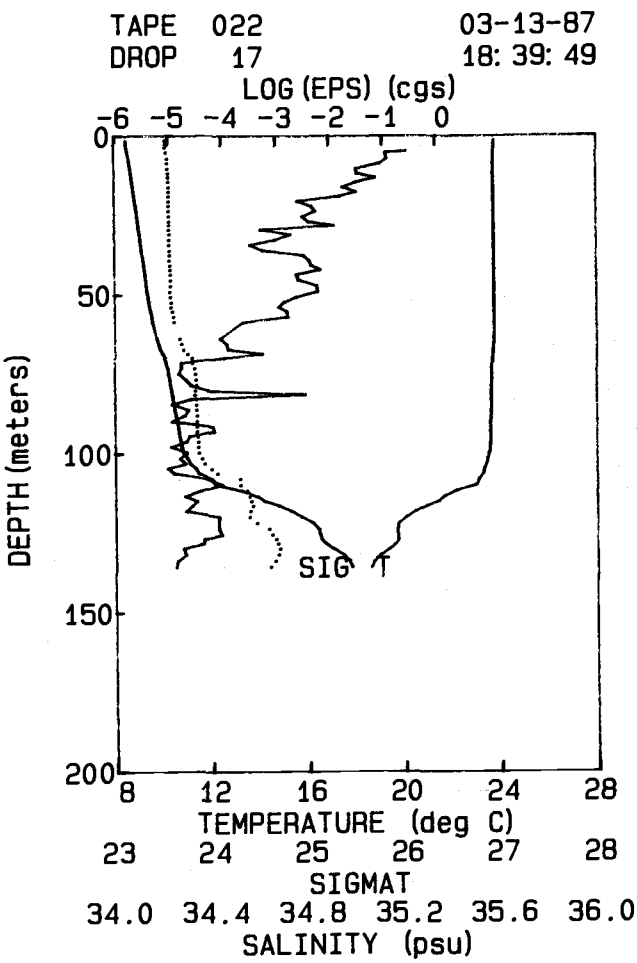
DEPTH (meters)
0
50
100
150
200
SIG
T
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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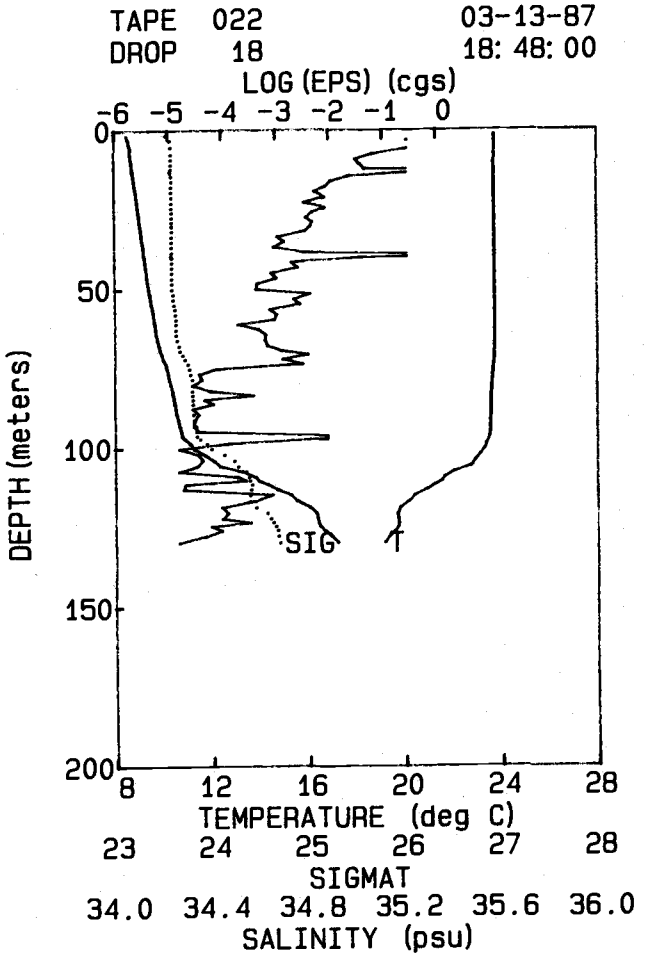
DROP 17
03-13-87
18: 39: 49
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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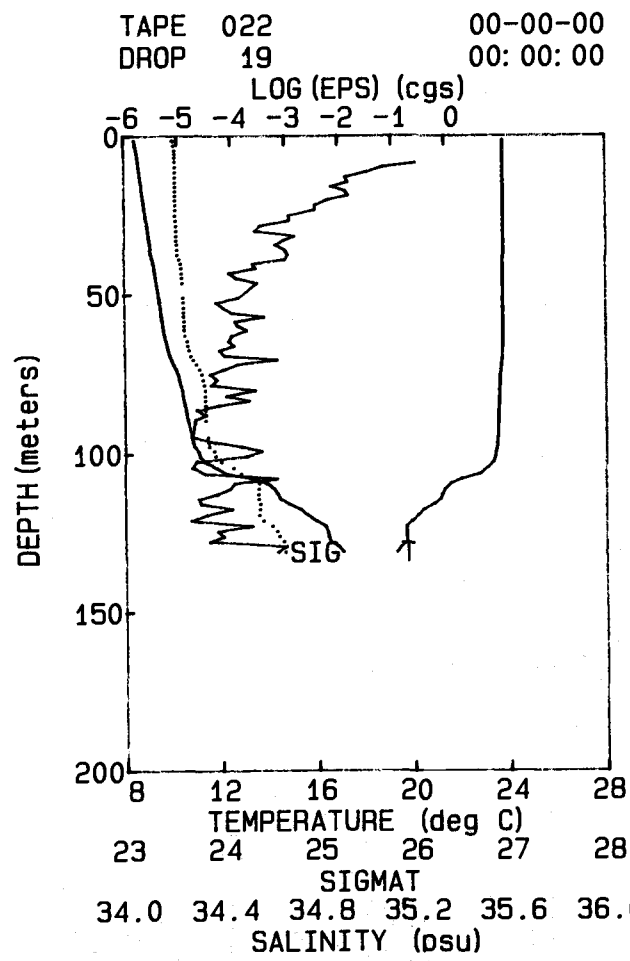
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 022
DROP 19
00-00-00
00: 00: 00
LOG (EPS) (cgs)
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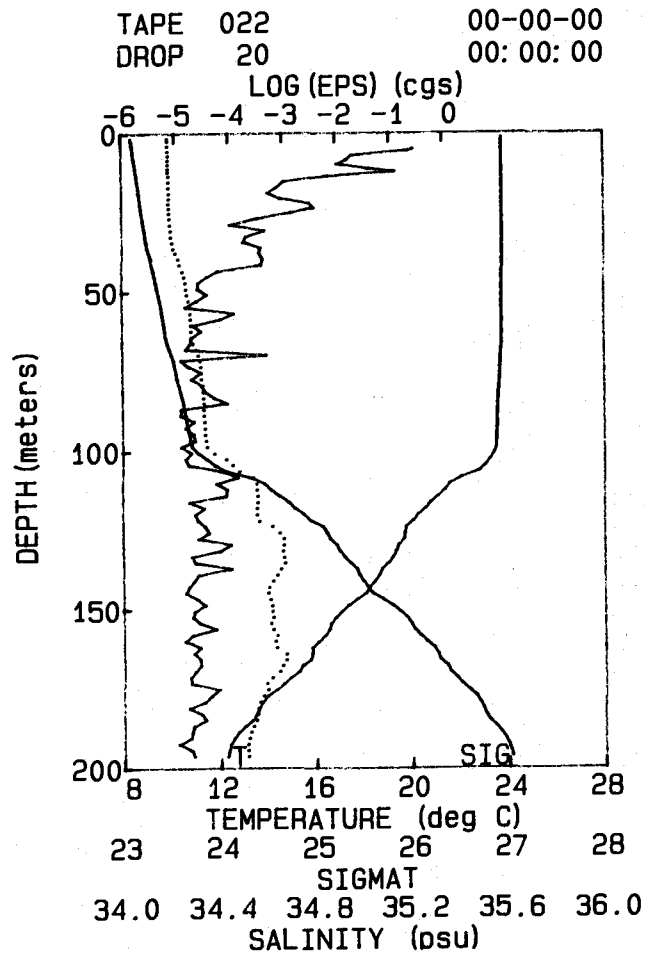
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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00-00-00
00: 00: 00
LOG (EPS) (cgs)
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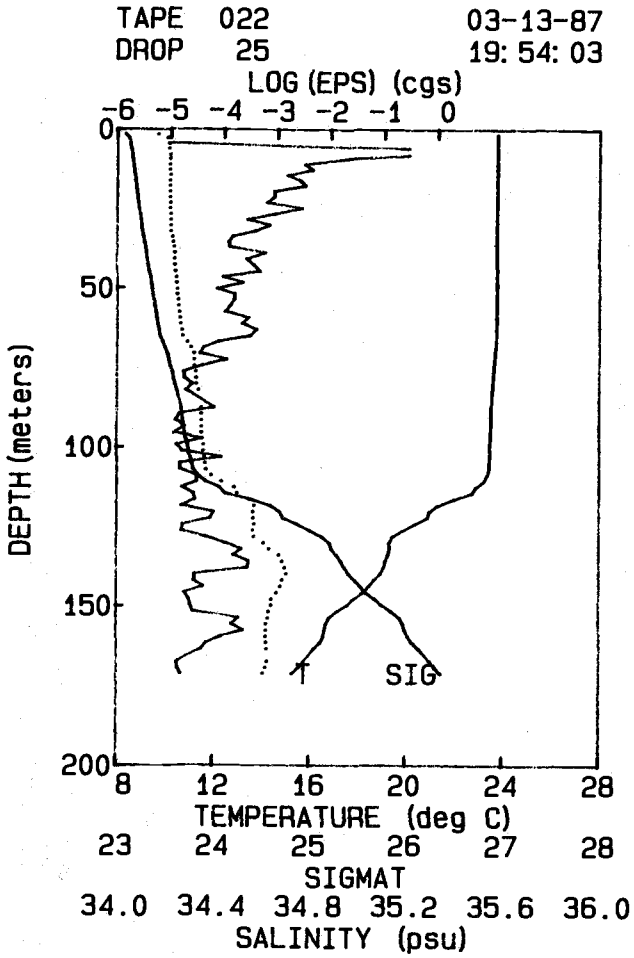
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 25
03-13-87
19: 54: 03
LOG (EPS) (cgs)
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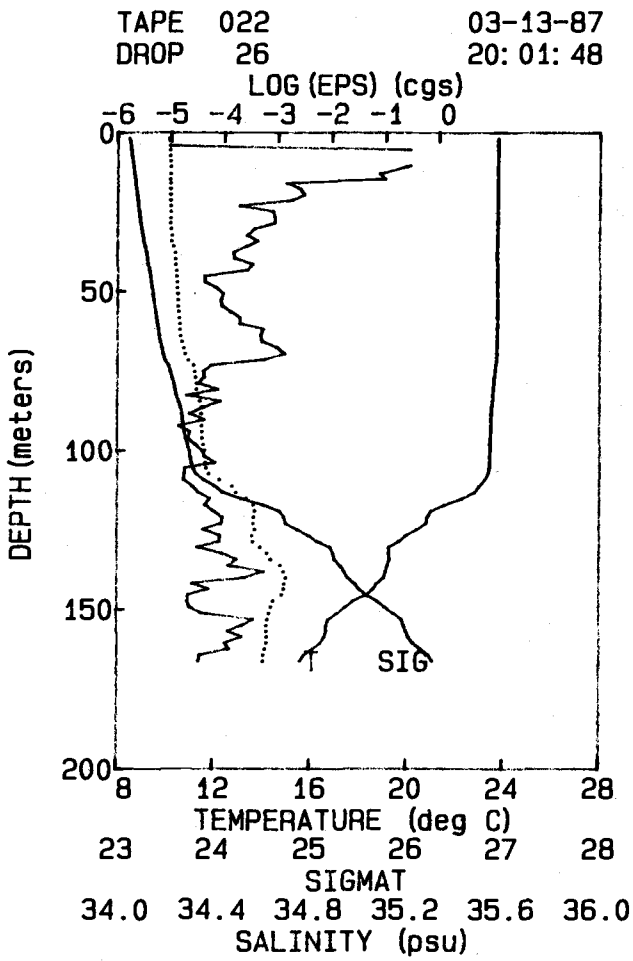
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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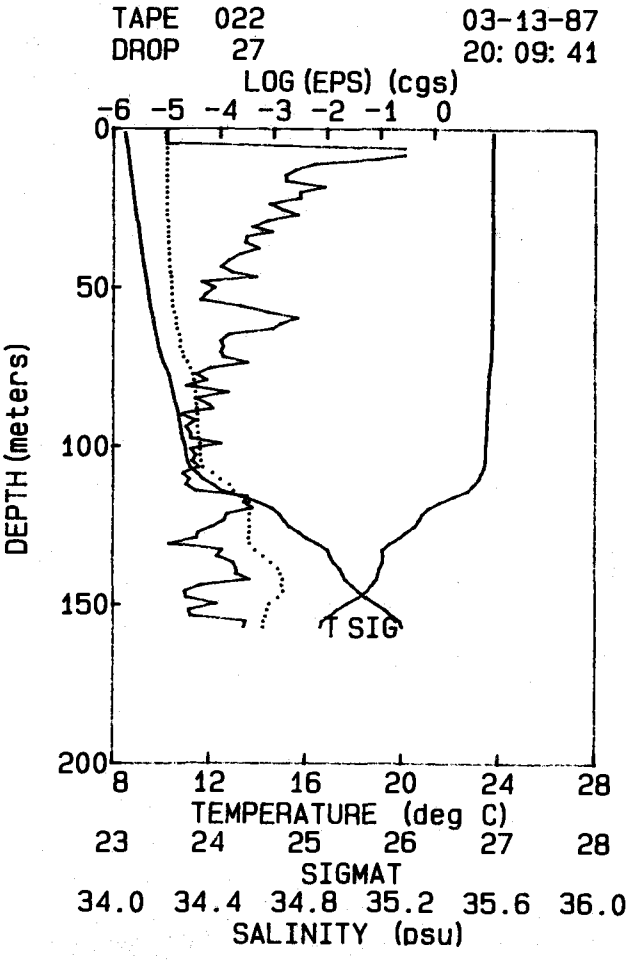
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-13-87
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DEPTH (meters)
0
50
100
150
200
T SIG
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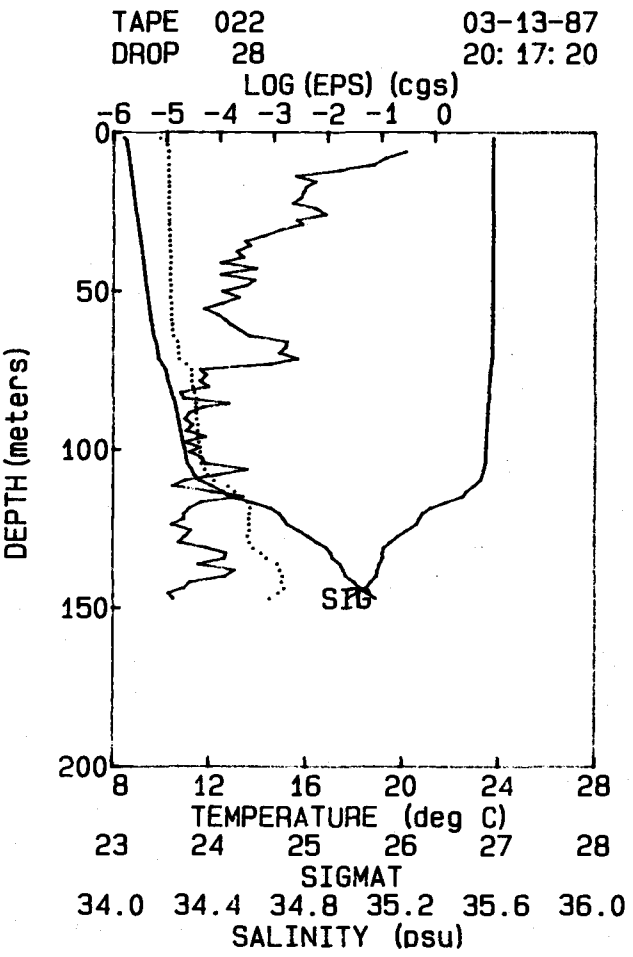
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-13-87
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DEPTH (meters)
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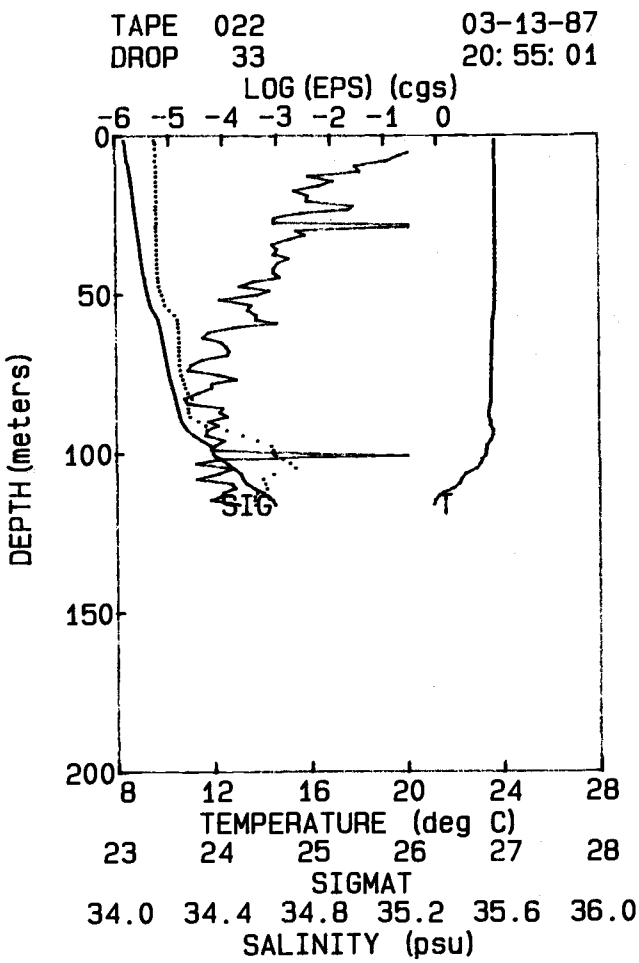
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 33
03-13-87
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LOG (EPS) (cgs)
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DEPTH (meters)
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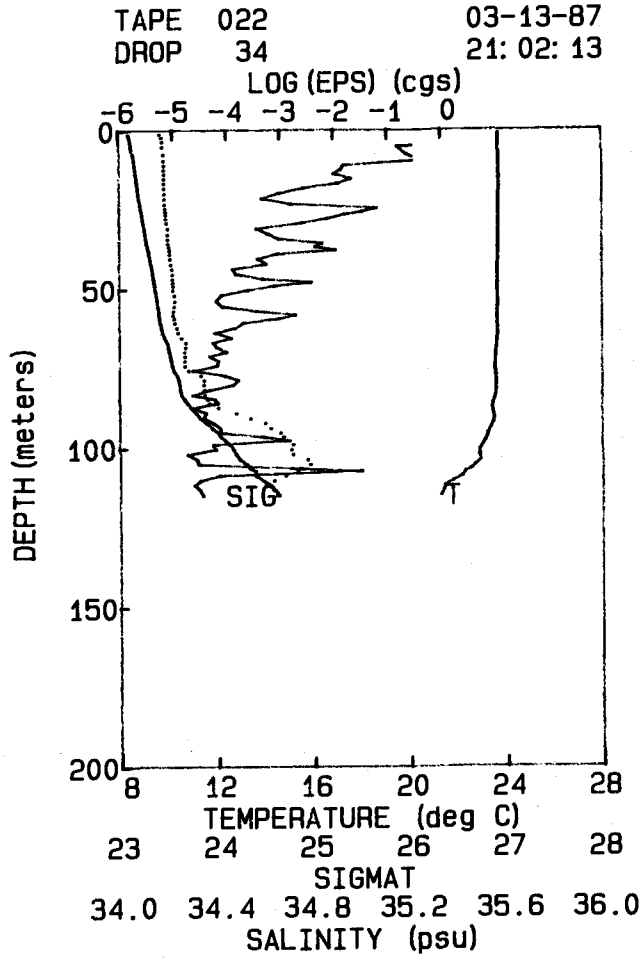
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
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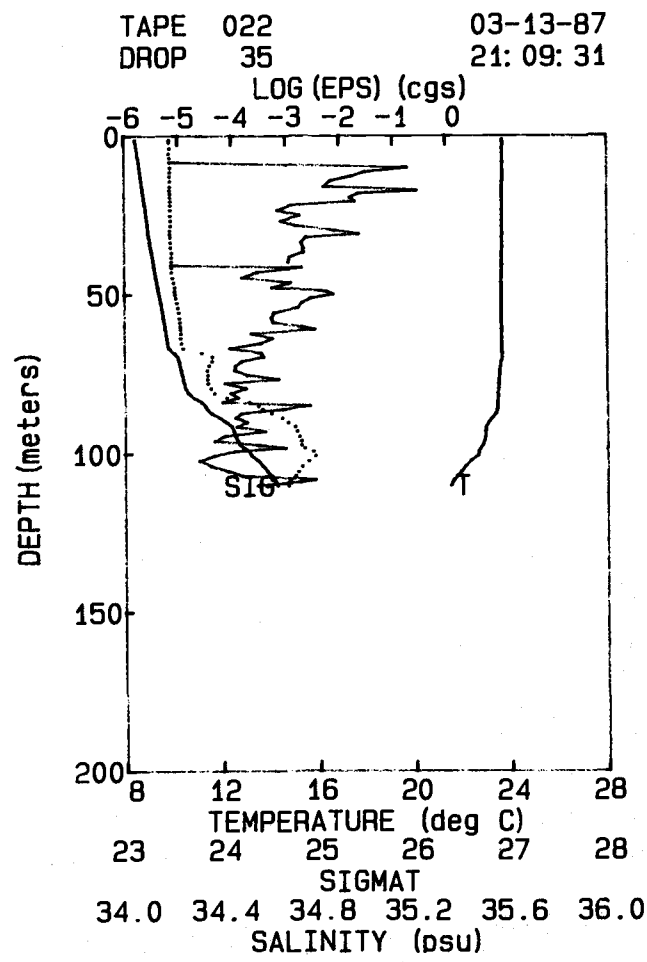
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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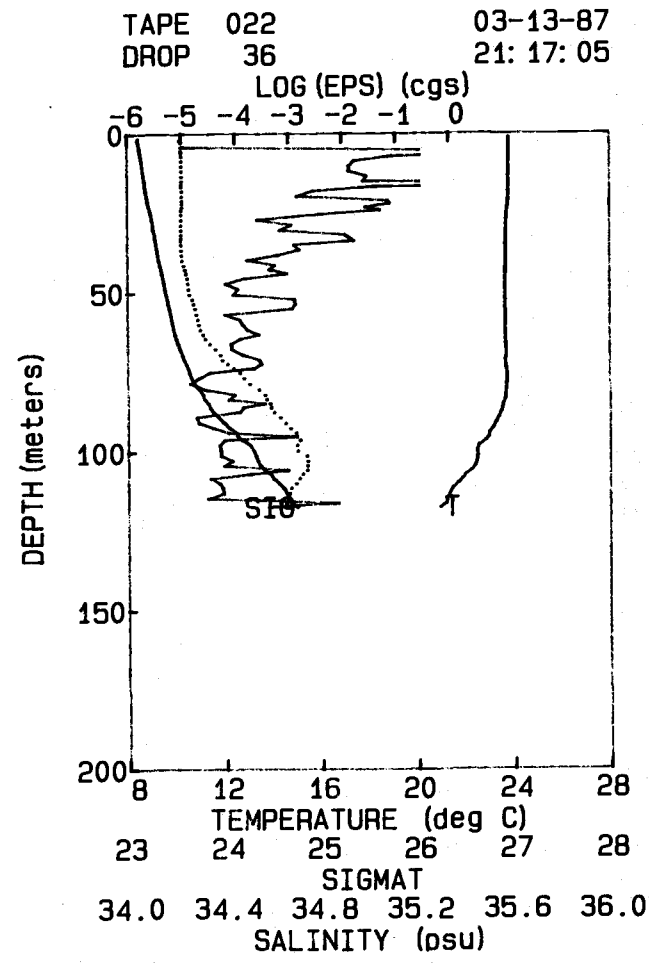
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-13-87
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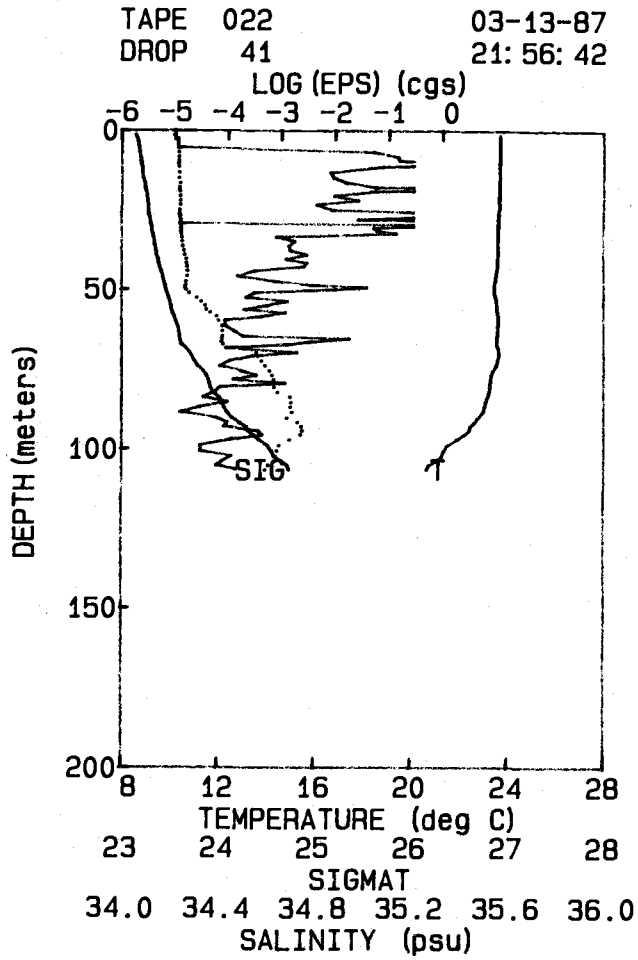
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 022
DROP 41
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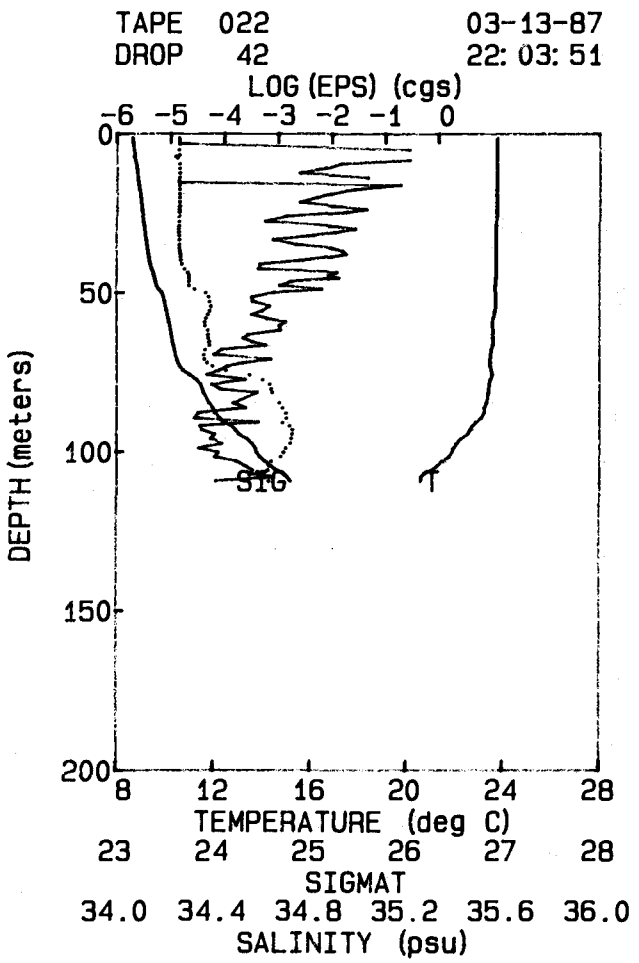
21: 56: 42
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
T
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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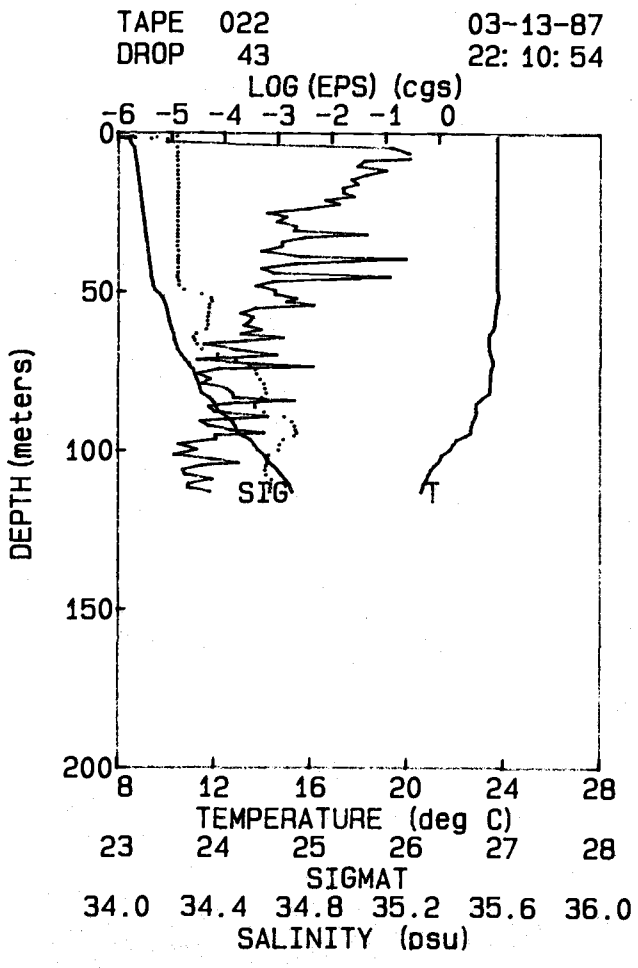
DROP 42
03-13-87
22: 03: 51
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
T
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 43
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22: 10: 54
LOG (EPS) (cgs)
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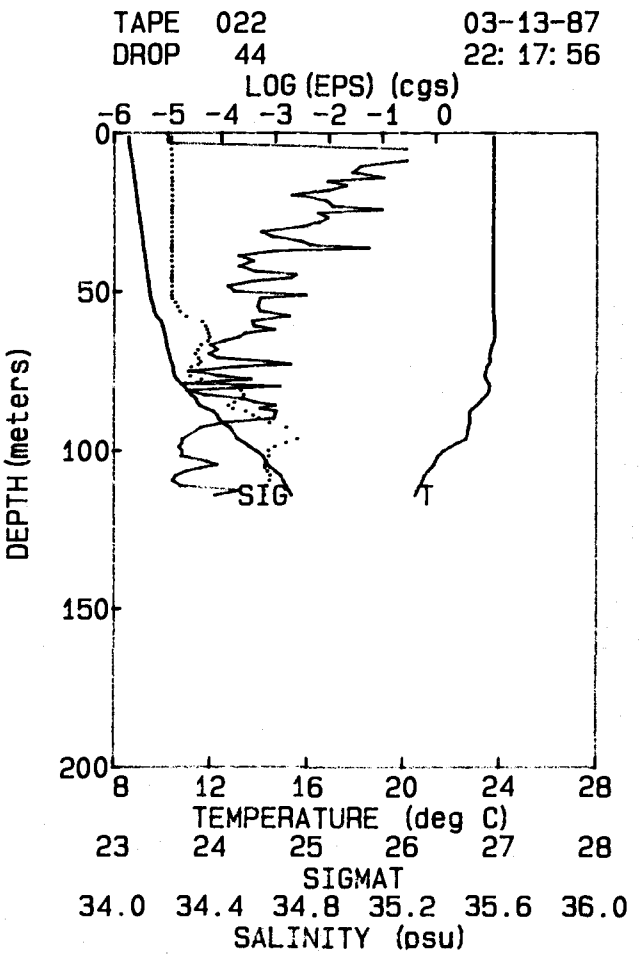
DEPTH (meters)
0
50
100
150
200
SIG
T
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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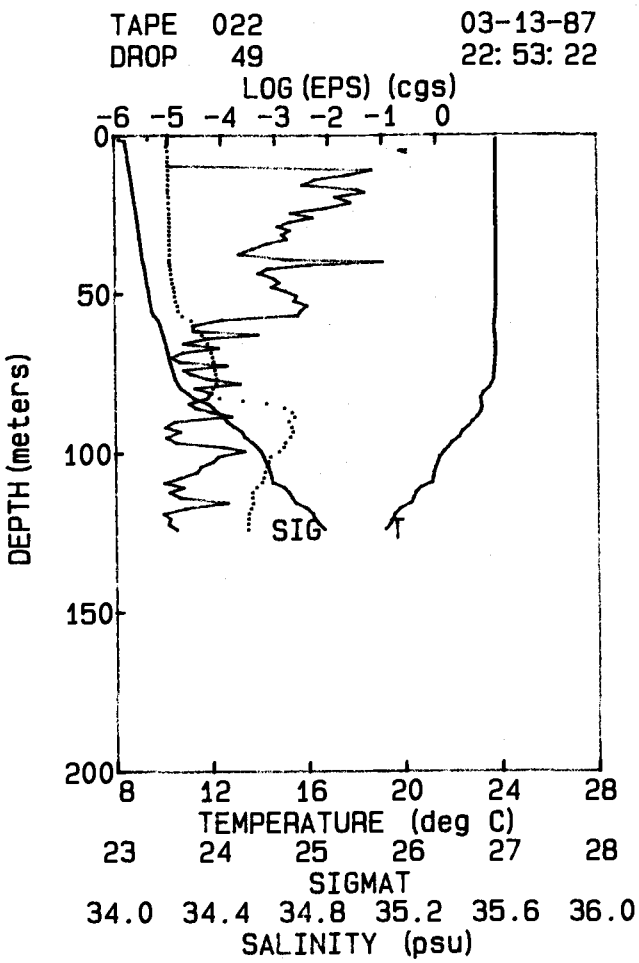
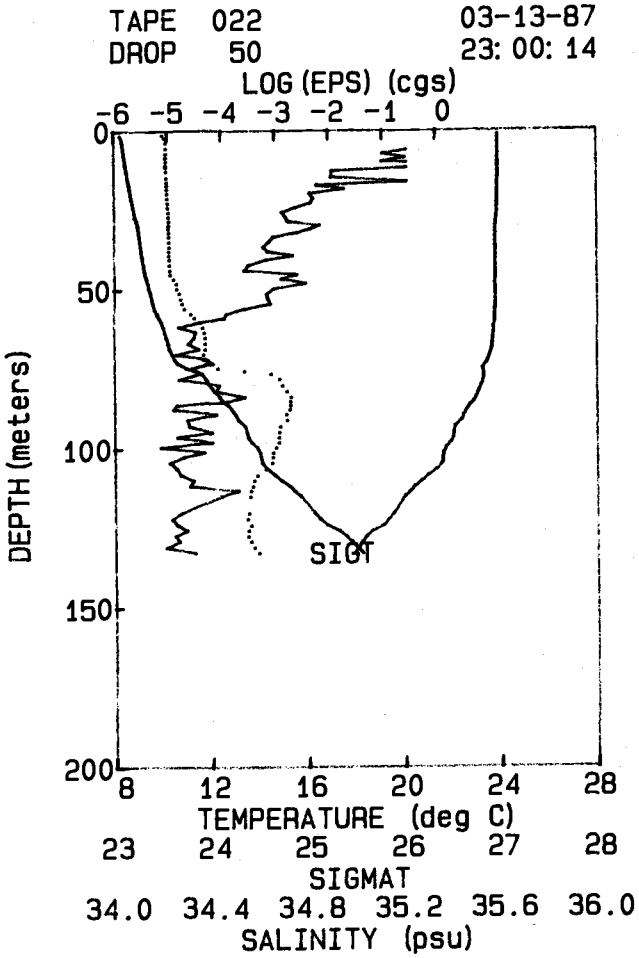
DEPTH (meters)
0
50
100
150
200
SIG
T
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)


TAPE 022
DROP 49
03-13-87
22: 53: 22
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
T
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-13-87
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DEPTH (meters)
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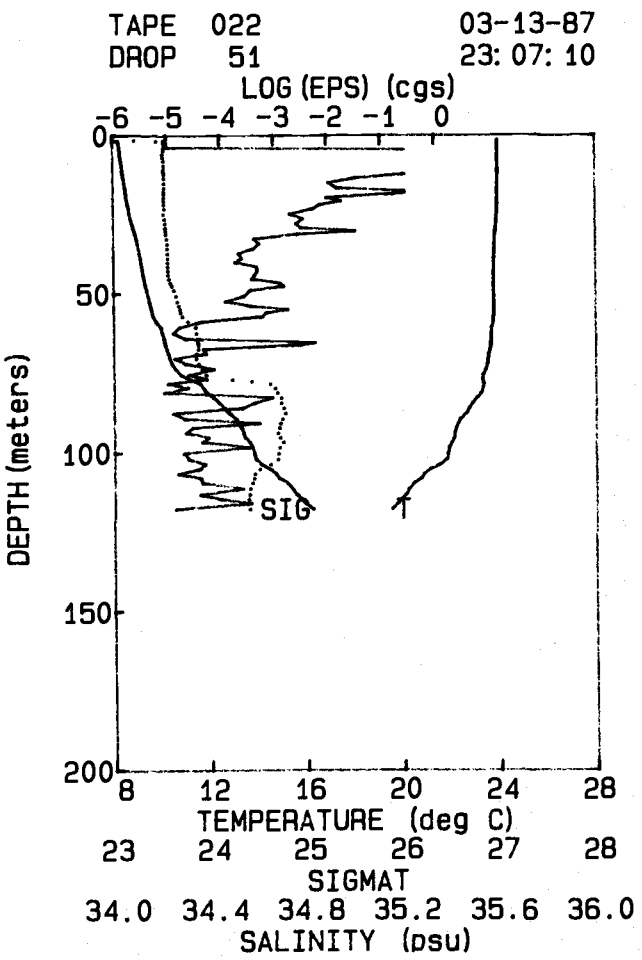
50
100
150
200
SIG
T
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-13-87
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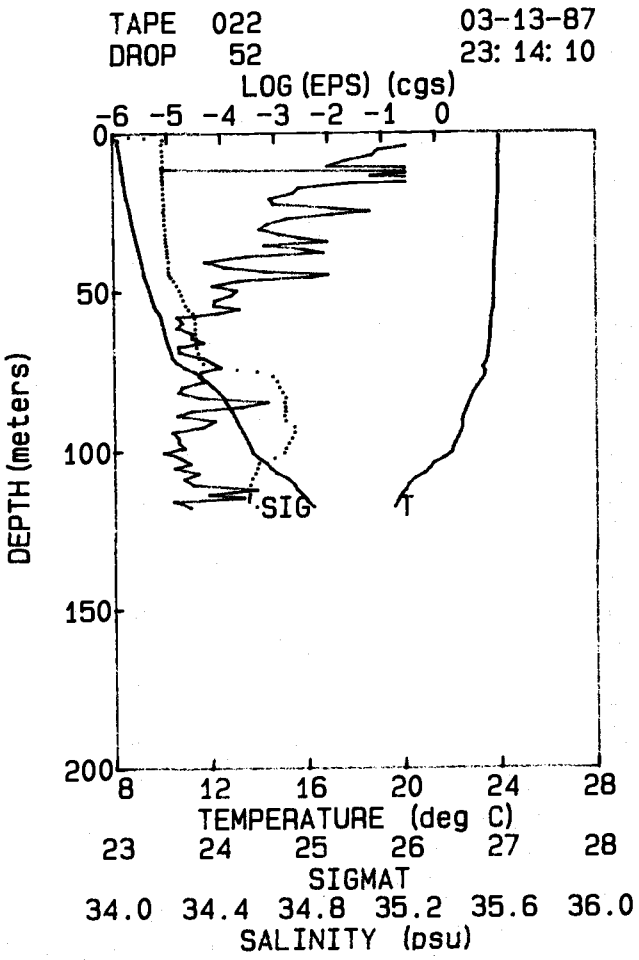
DEPTH (meters)
0
50
100
150
200
SIG
T
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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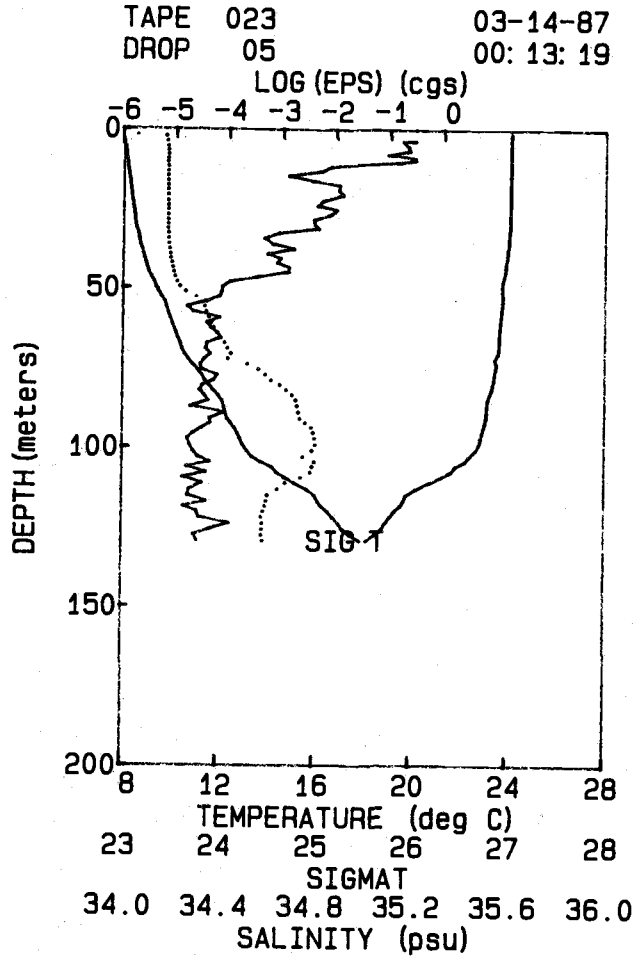
DEPTH (meters)
0
50
100
150
200
SIG
T
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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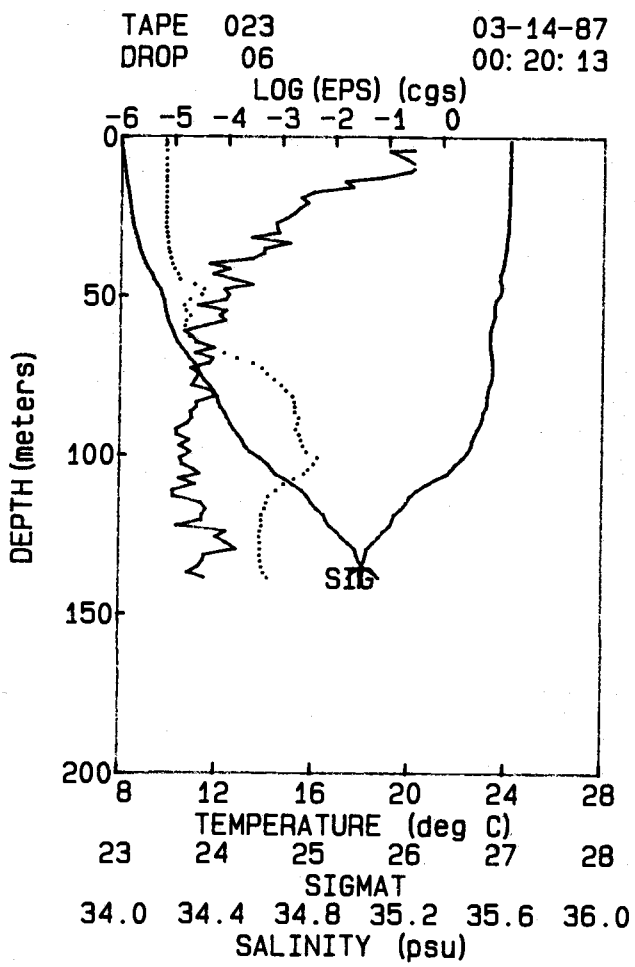
00: 13: 19
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG T
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
SIG
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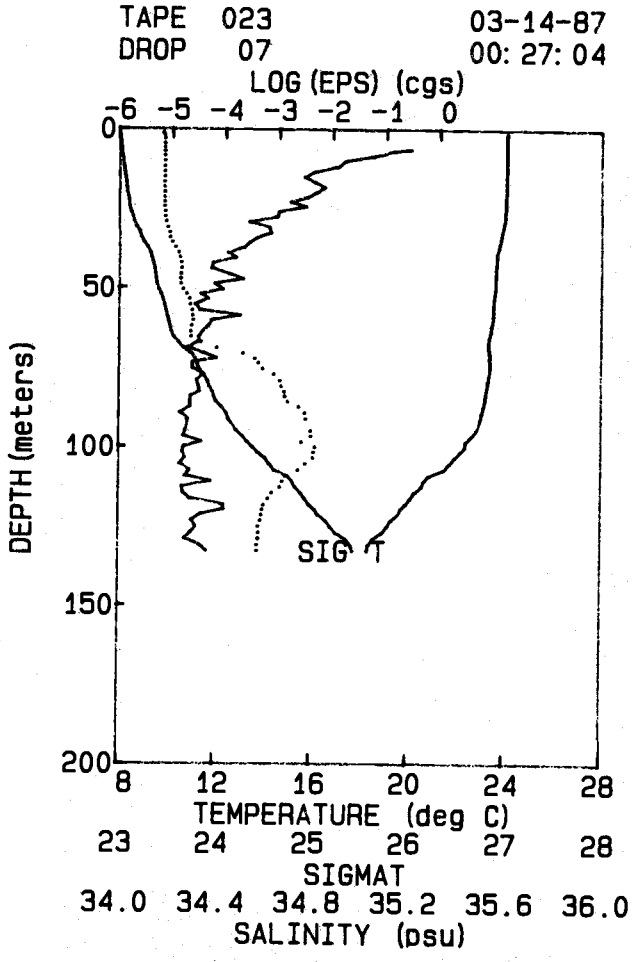
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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50
100
150
200
SIG T
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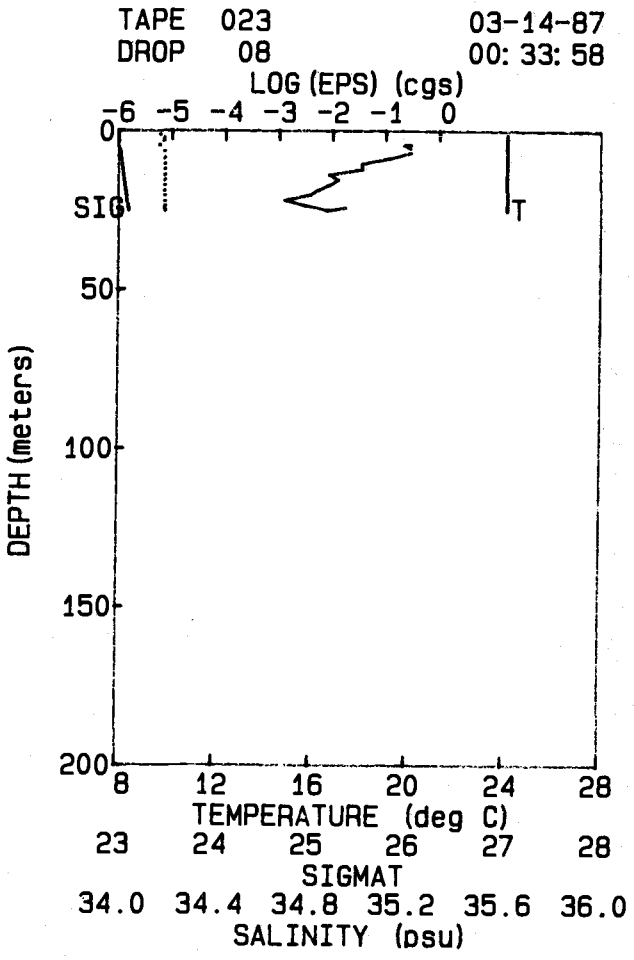
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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50
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150
200
SIG
T
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TEMPERATURE (deg C)
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SIGMAT
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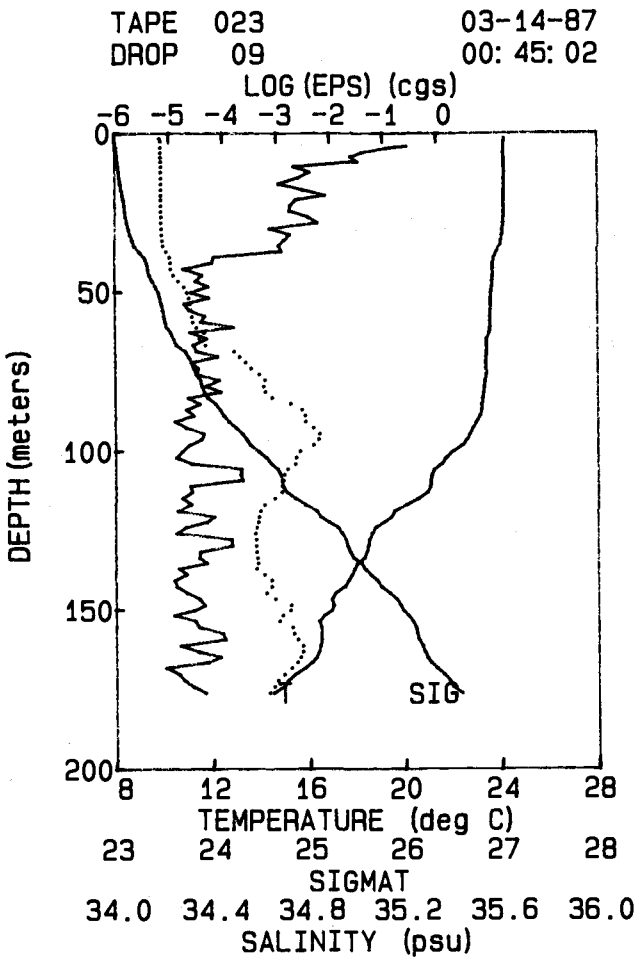
SALINITY (psu)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100
150
200
SIG
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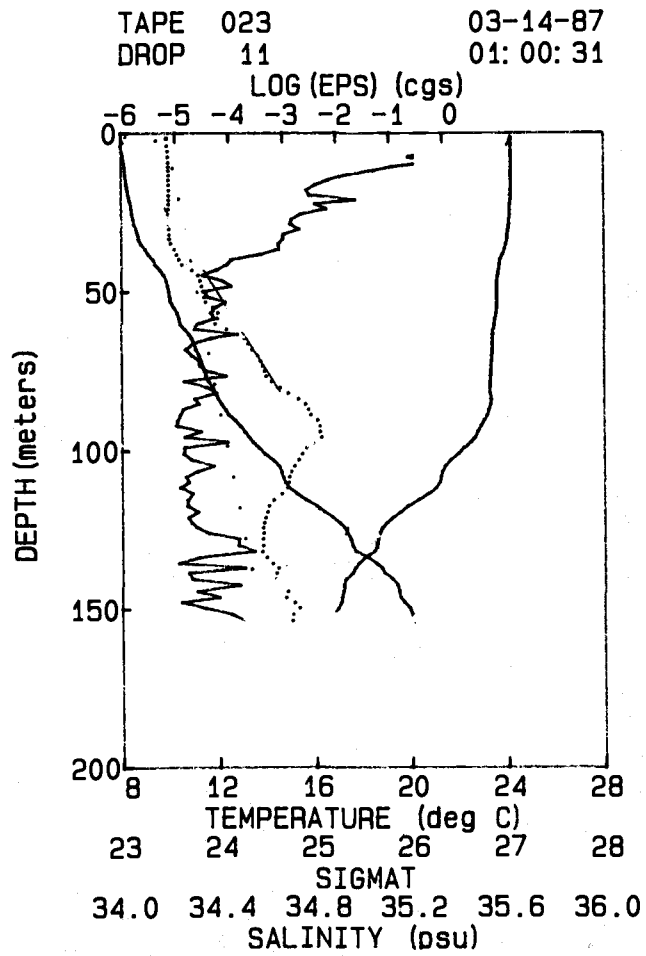
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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150
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TEMPERATURE (deg C)
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SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
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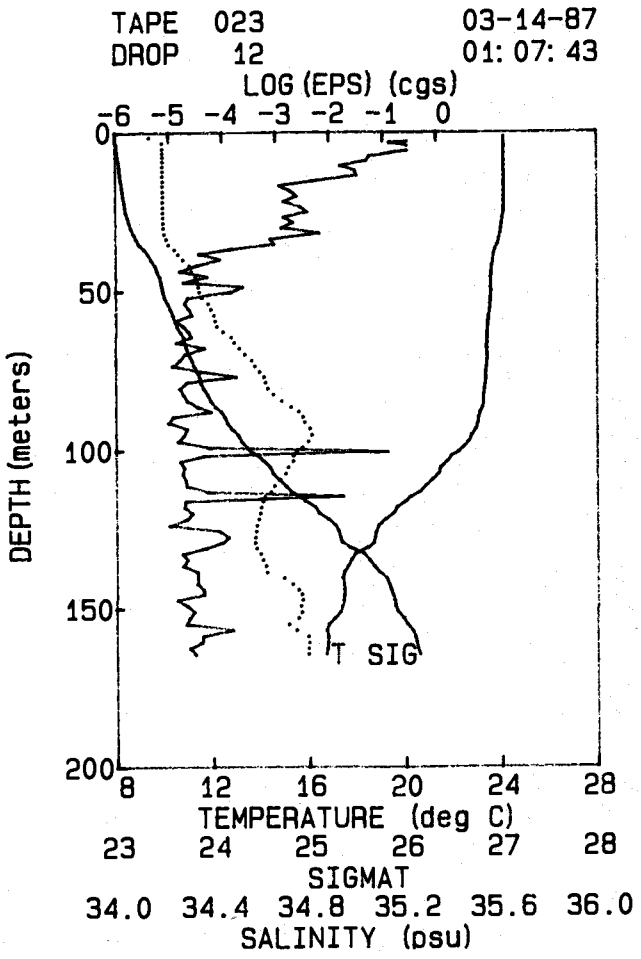
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DEPTH (meters)
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50
100
150
200
T SIG
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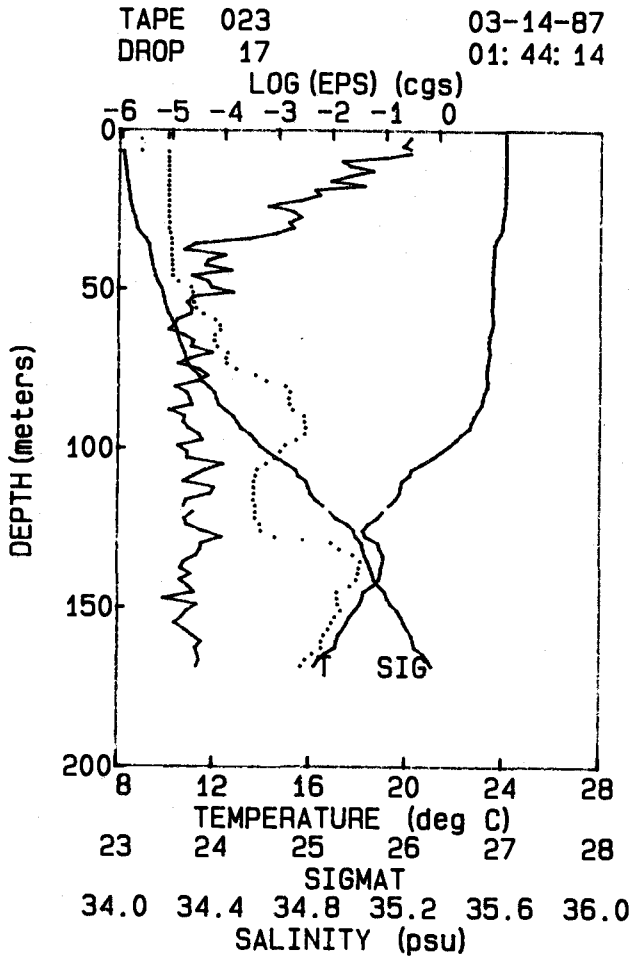
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
T
SIG
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TEMPERATURE (deg C)
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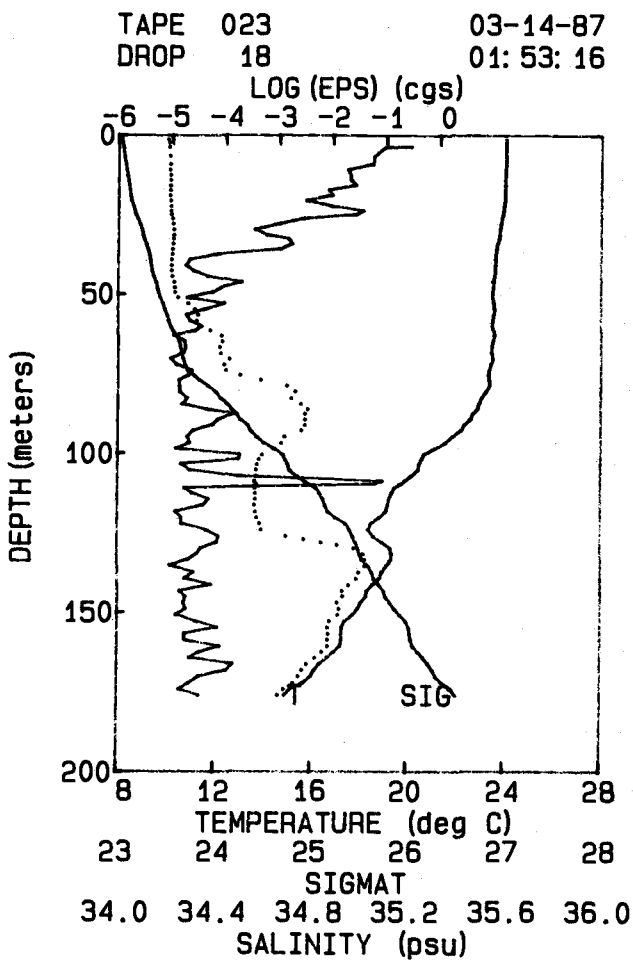
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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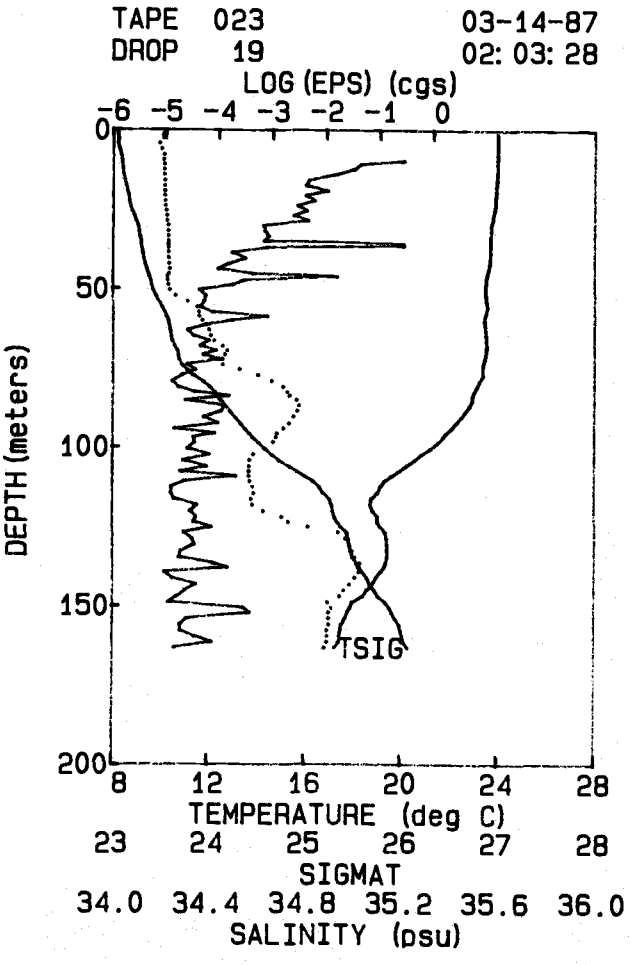
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DEPTH (meters)
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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
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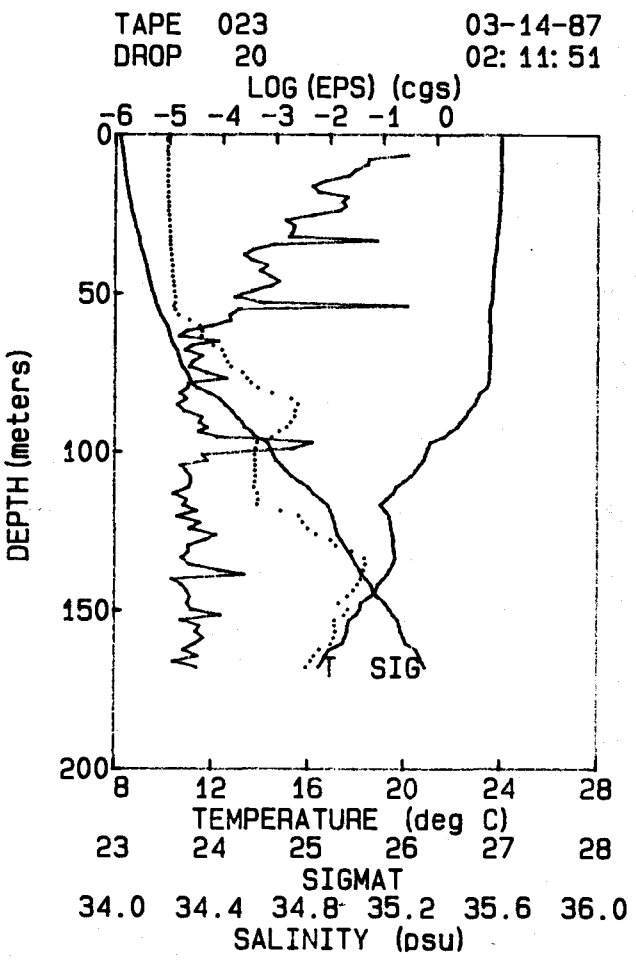
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100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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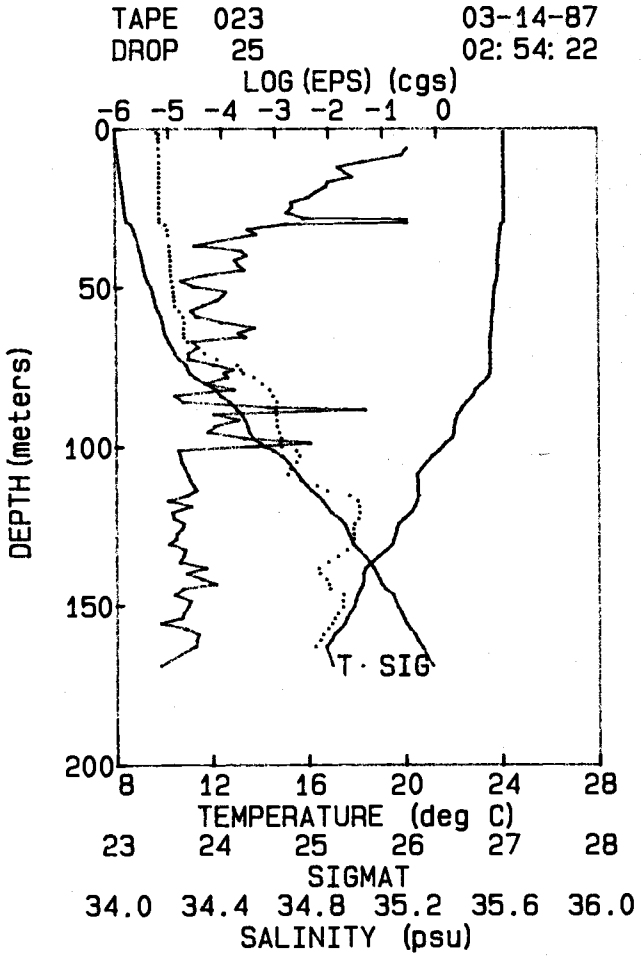
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T · SIG
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TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
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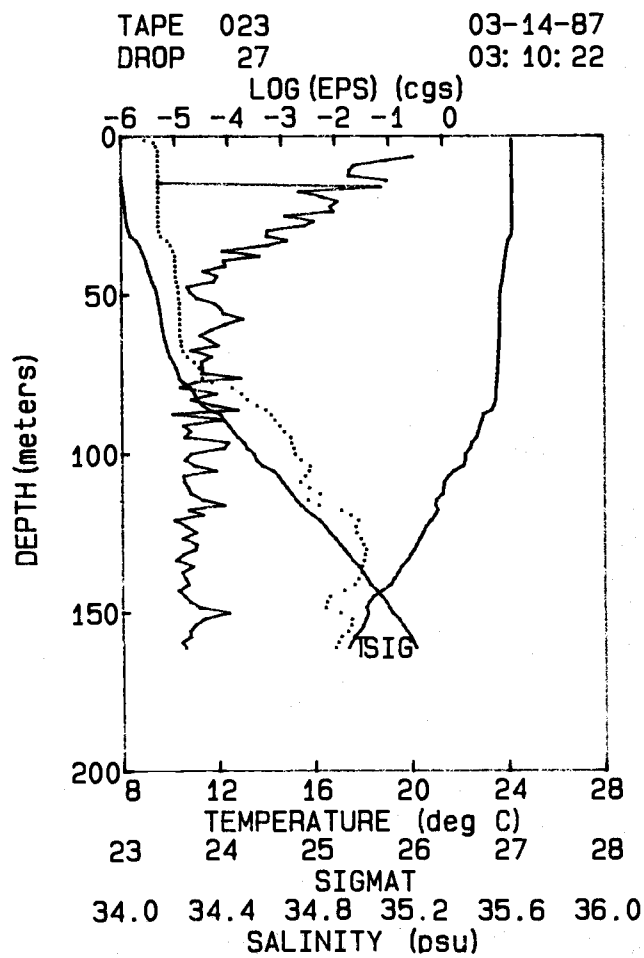
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150
200
SIG
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TEMPERATURE (deg C)
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SIGMAT
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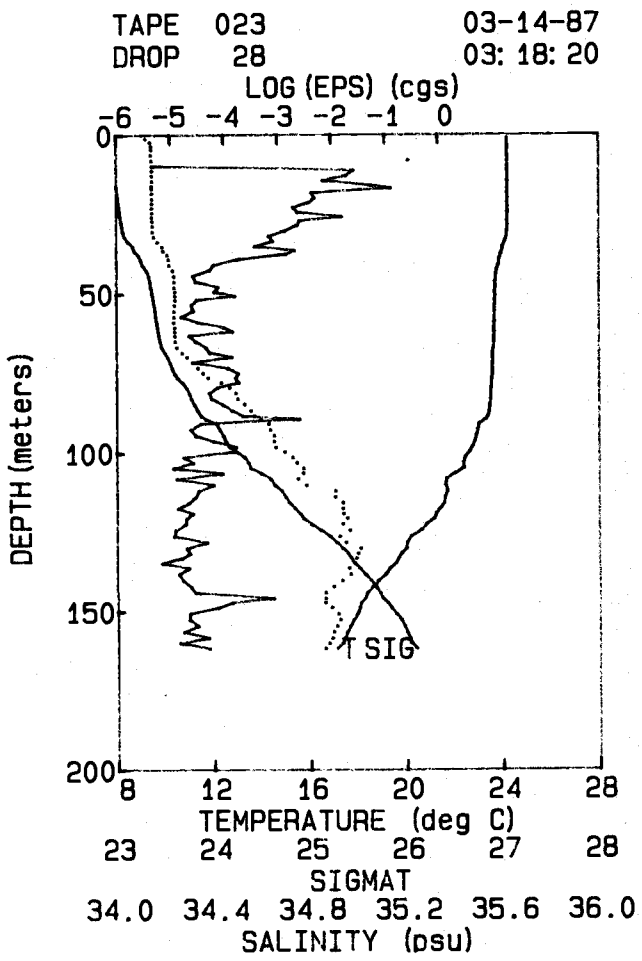
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150
200
T SIG
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TEMPERATURE (deg C)
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SIGMAT
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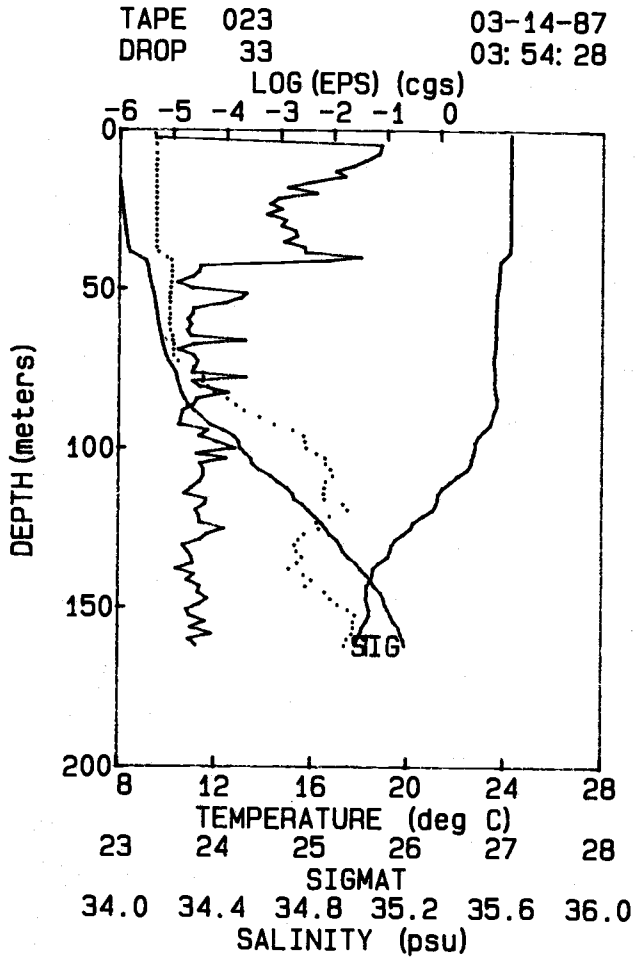
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150
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SIG
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SIGMAT
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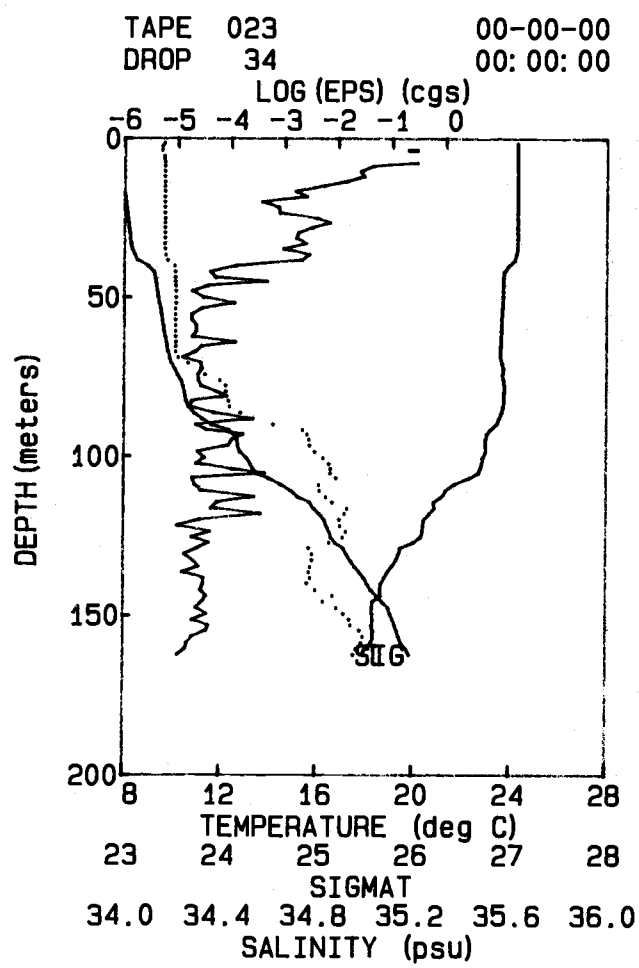
SALINITY (psu)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100
150
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SIG
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SIGMAT
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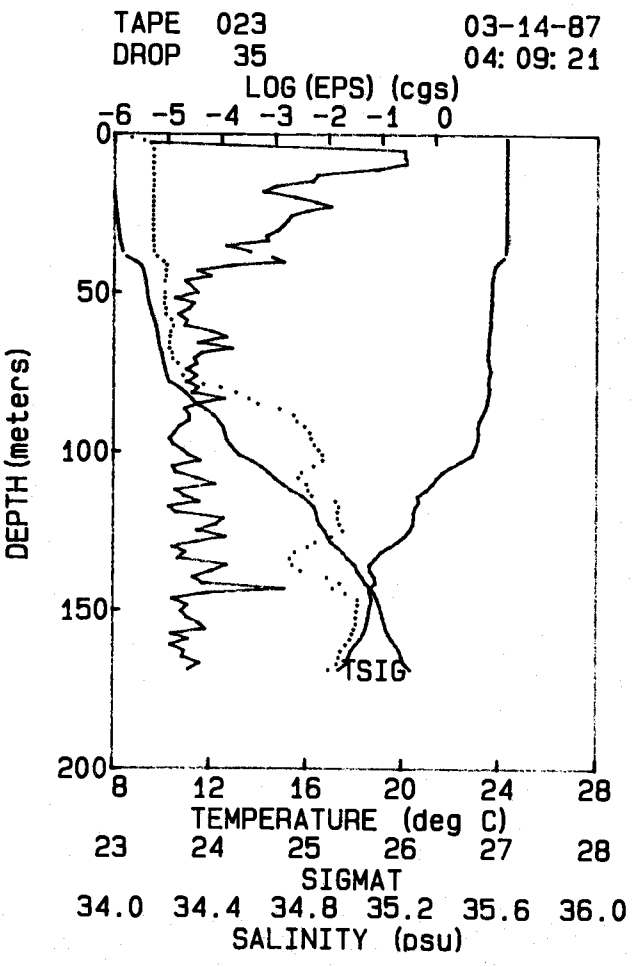
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TSIG
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SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
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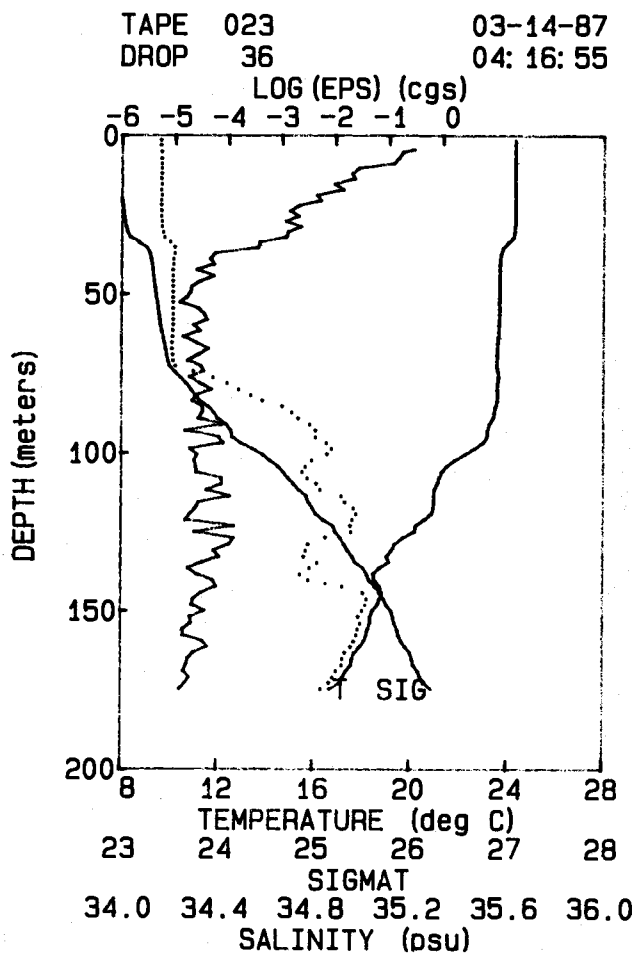
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SIG
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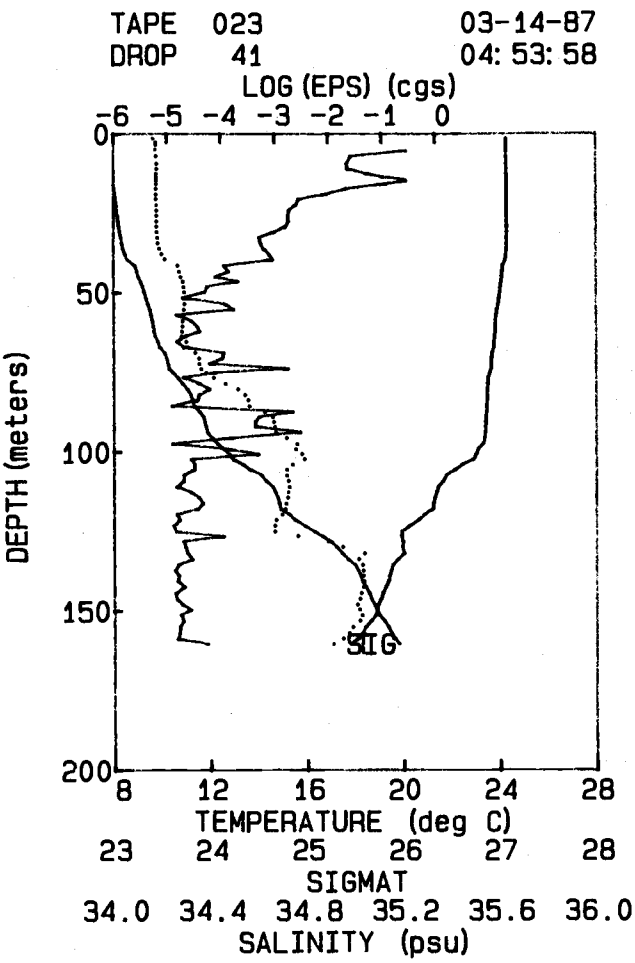
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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SIG
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TEMPERATURE (deg C)
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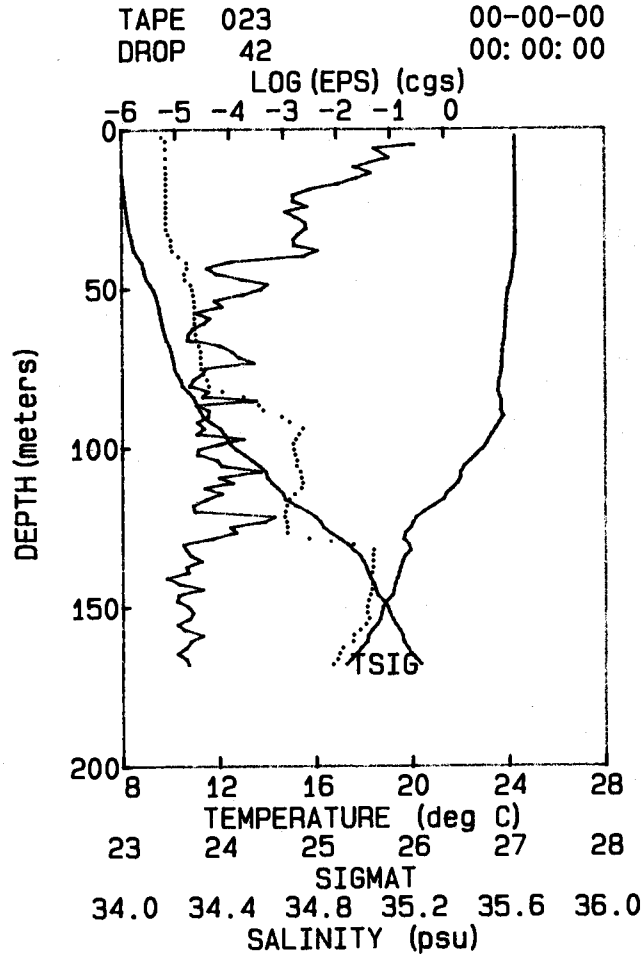
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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SIGMAT
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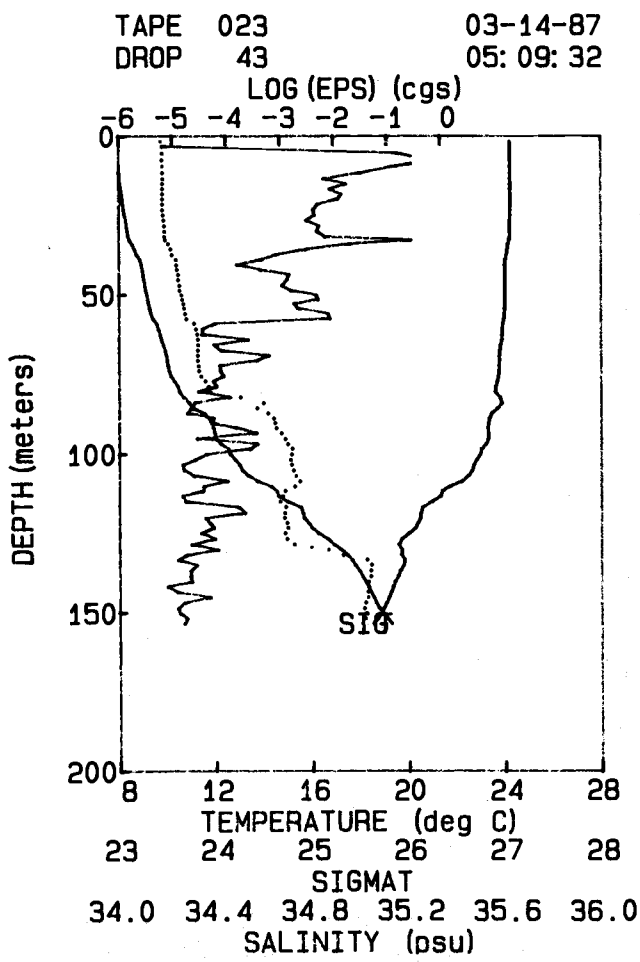
SALINITY (psu)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200
SIG
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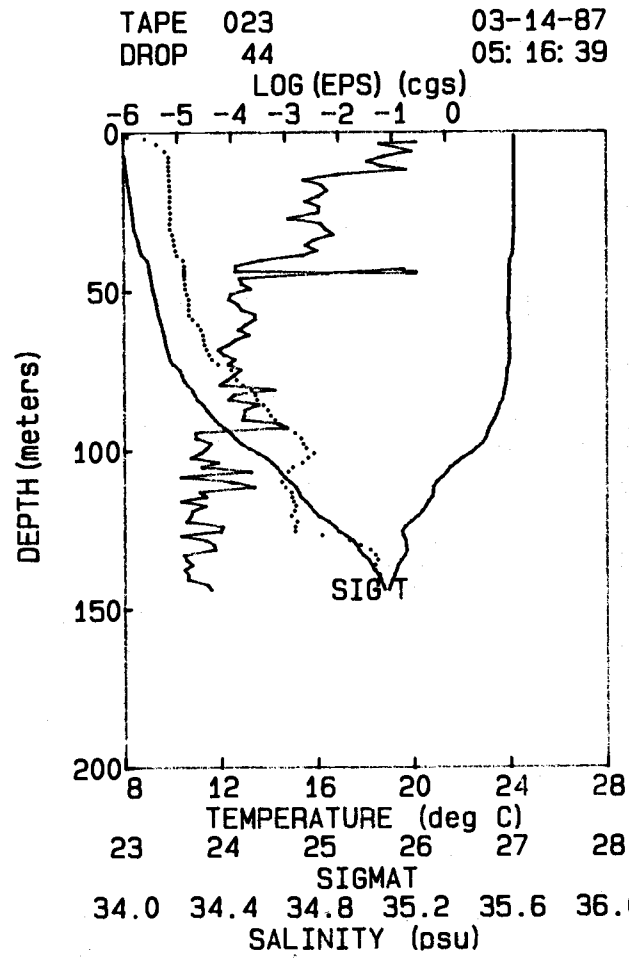
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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200
SIGT
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TEMPERATURE (deg C)
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SIGMAT
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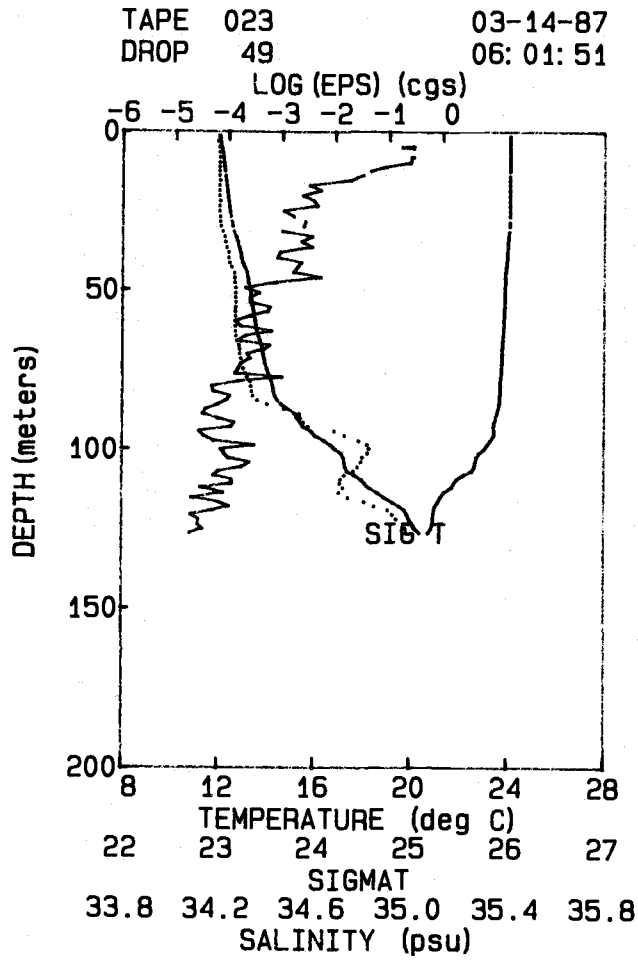
SALINITY (psu)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100
150
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SIG
T
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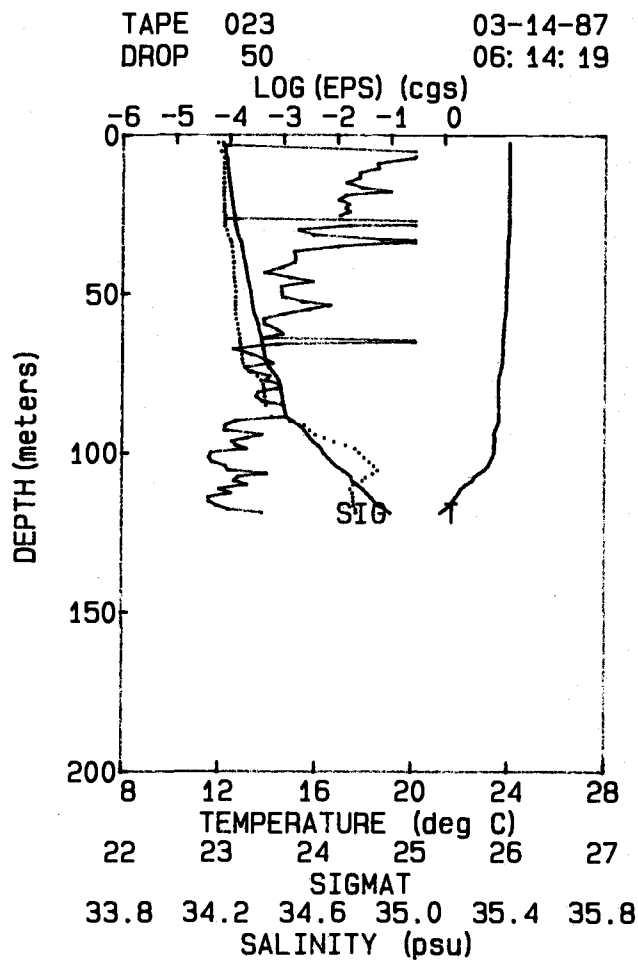
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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200
SIG
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SIGMAT
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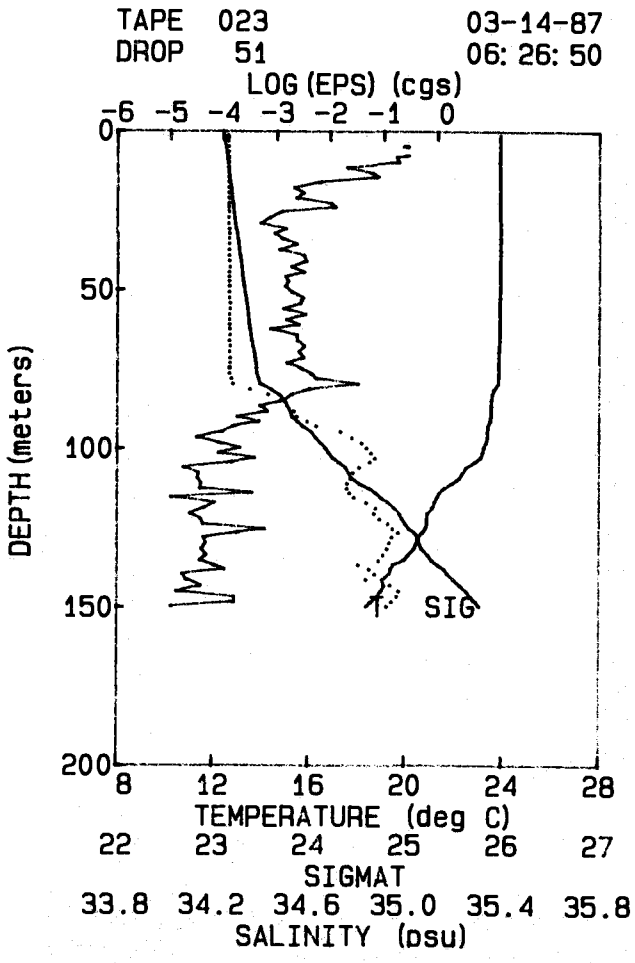
SALINITY (psu)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SIG
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SIGMAT
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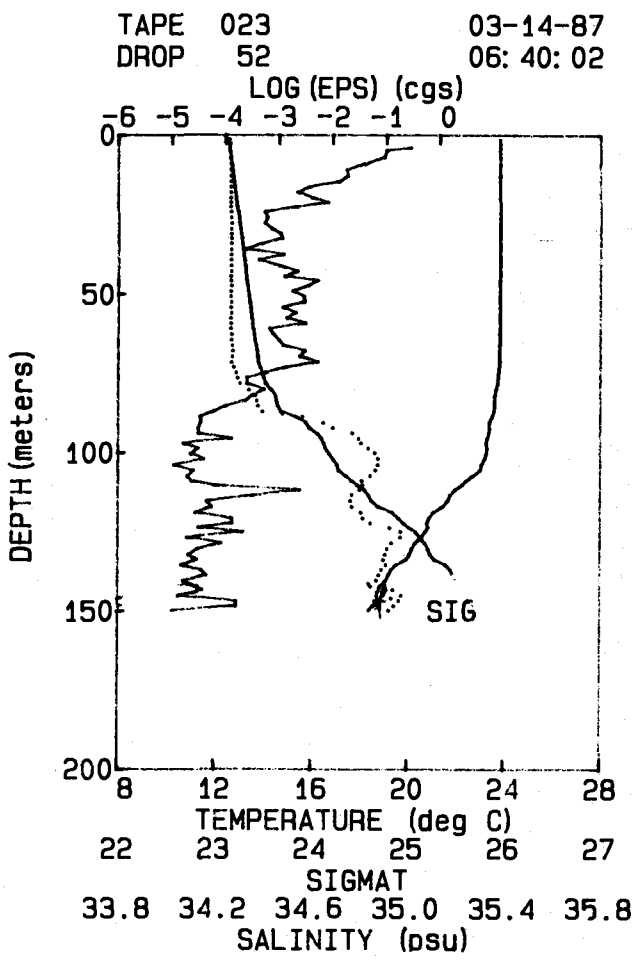
SALINITY (psu)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200
SIG
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TEMPERATURE (deg C)
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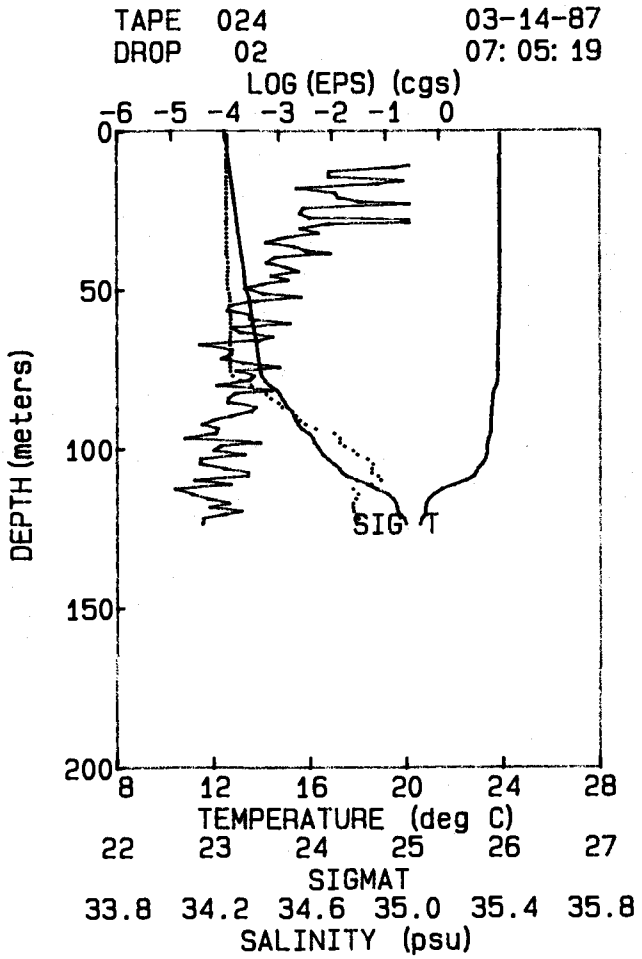
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
SIG
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TEMPERATURE (deg C)
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SIGMAT
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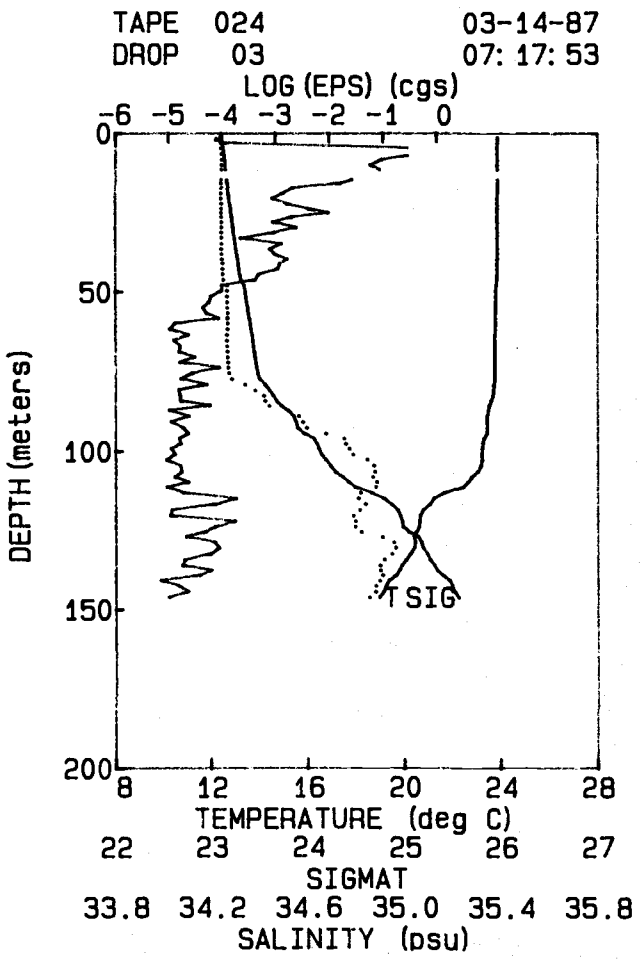
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T SIG
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TEMPERATURE (deg C)
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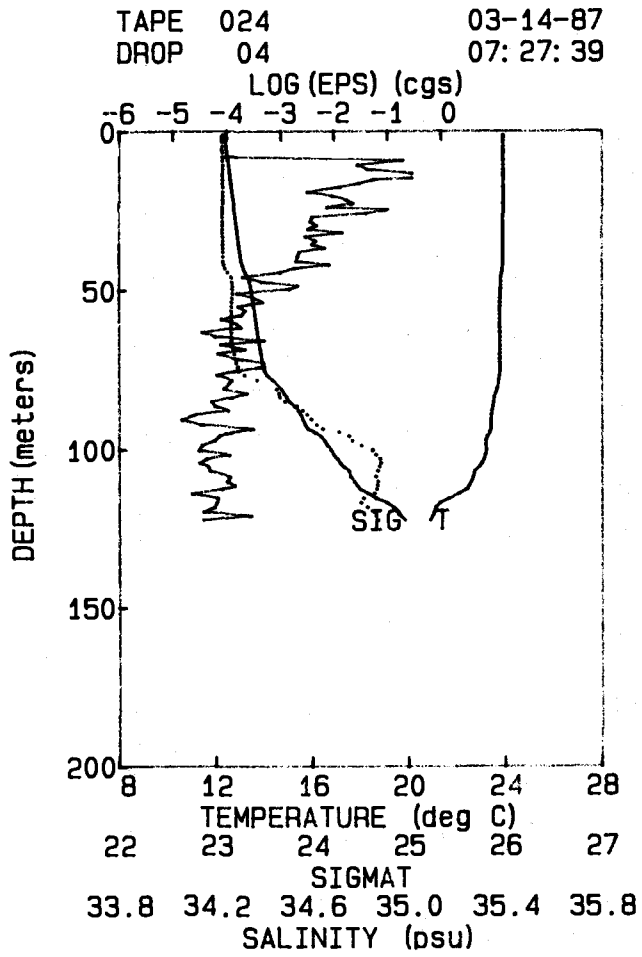
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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150
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SIG
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TEMPERATURE (deg C)
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SIGMAT
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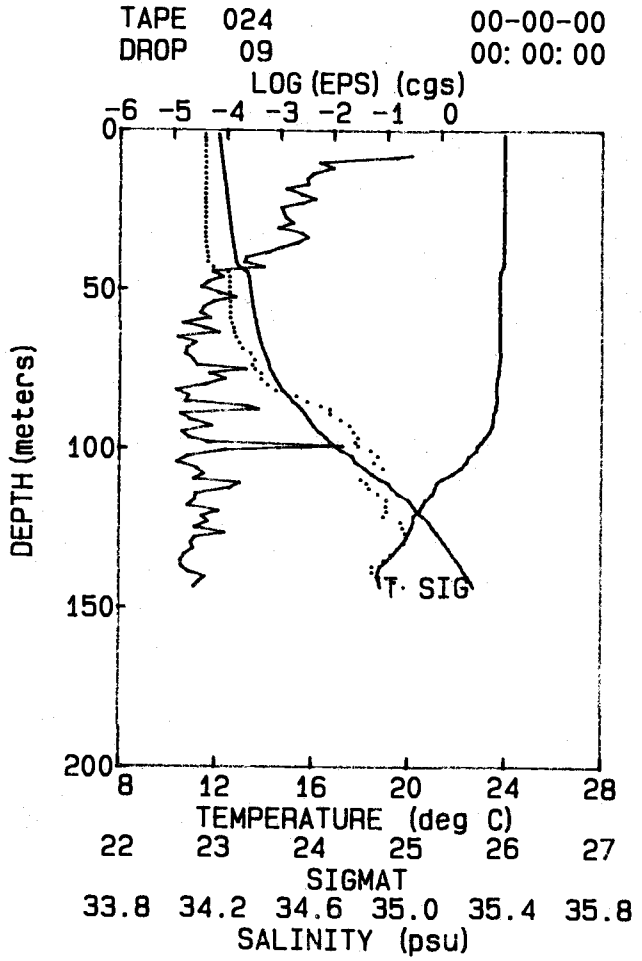
SALINITY (psu)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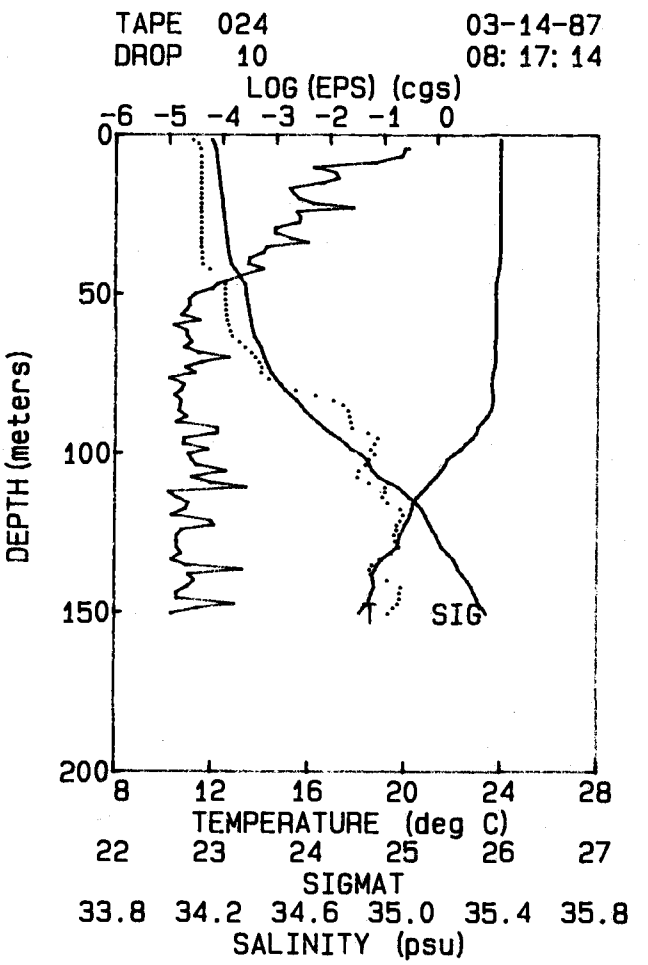
00: 00: 00
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
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100
150
200
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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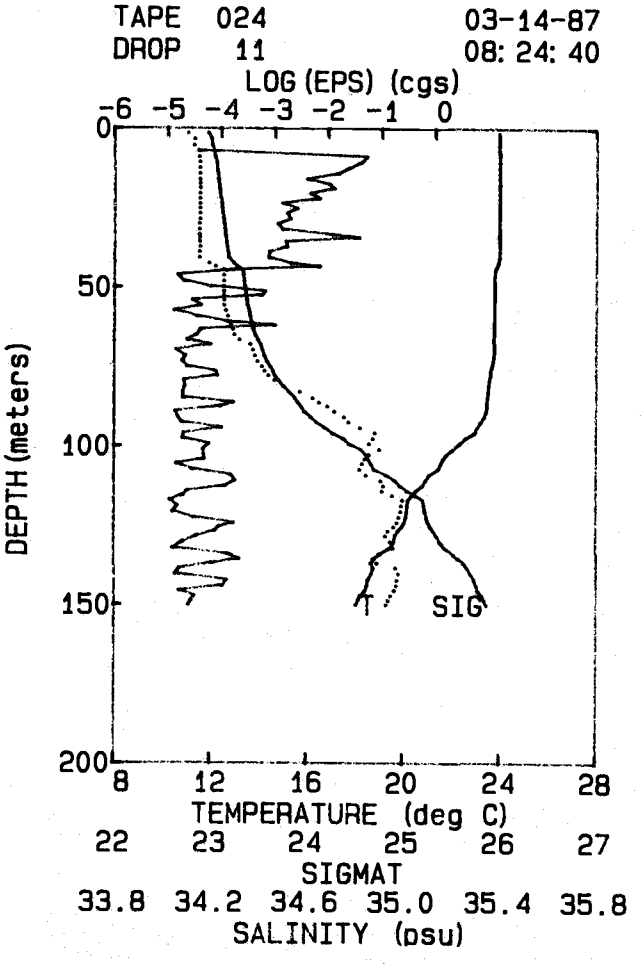
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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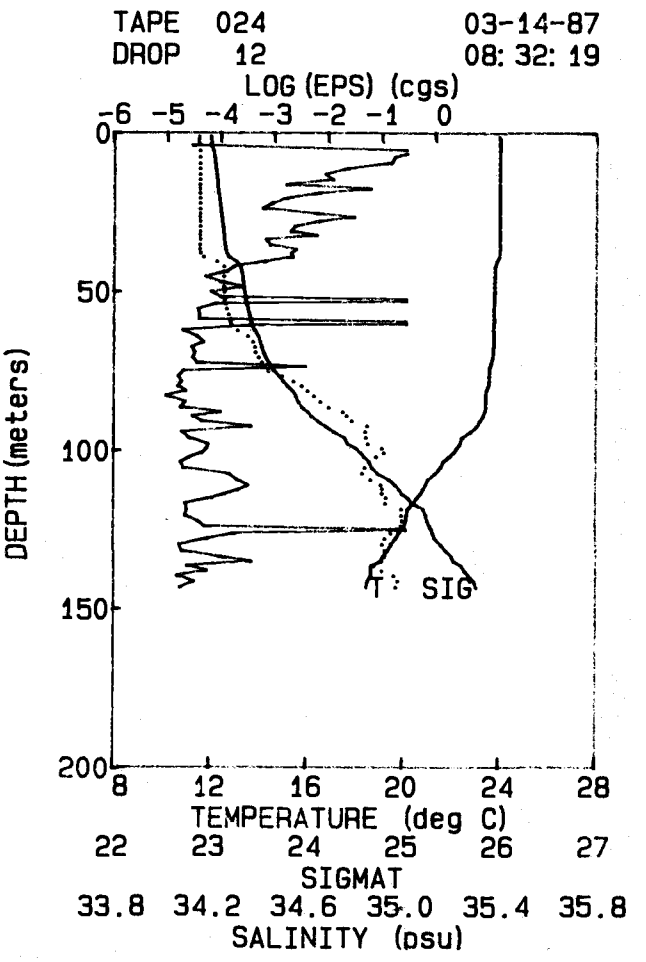
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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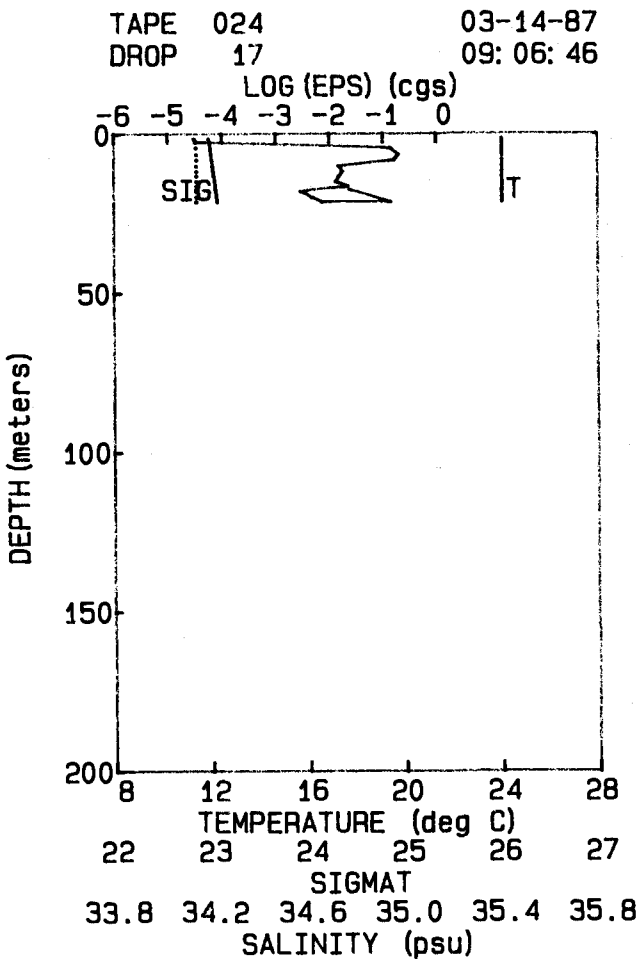
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 17
03-14-87
09: 06: 46
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
SIG
T
DEPTH (meters)
0
50
100
150
200
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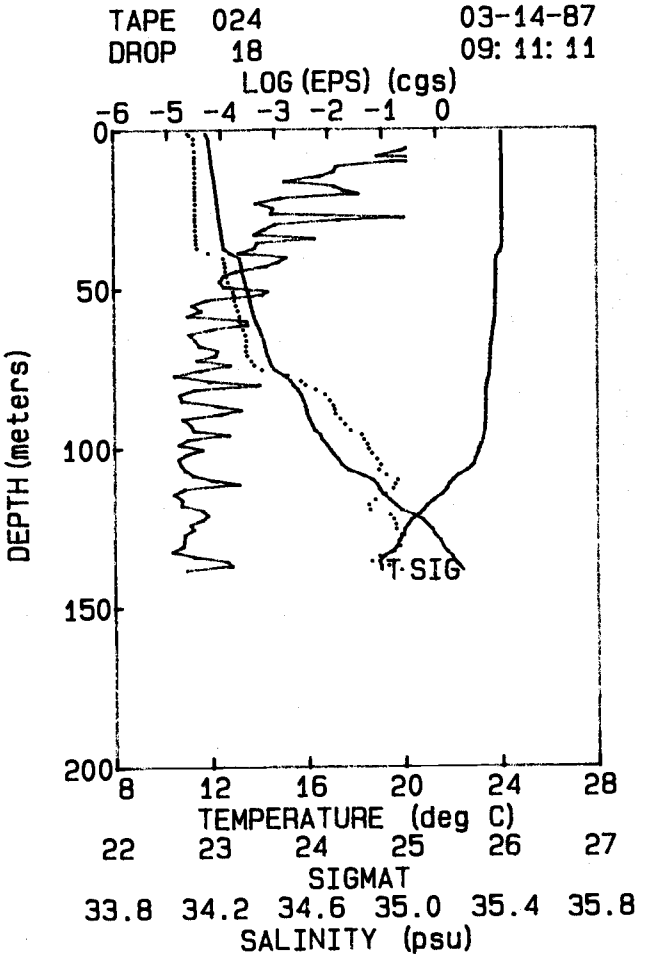
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
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TEMPERATURE (deg C)
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SIGMAT
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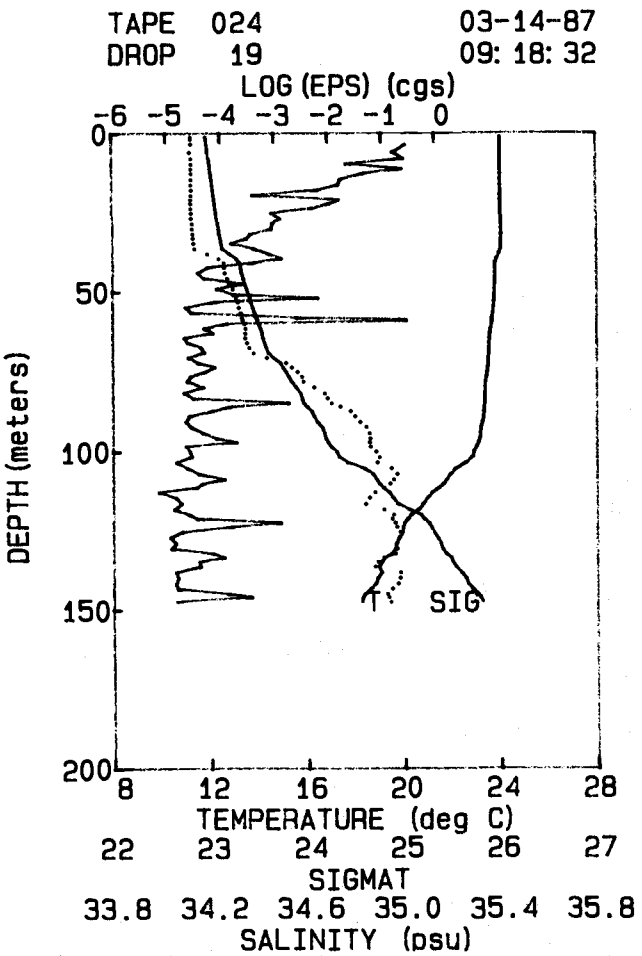
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
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150
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SIGMAT
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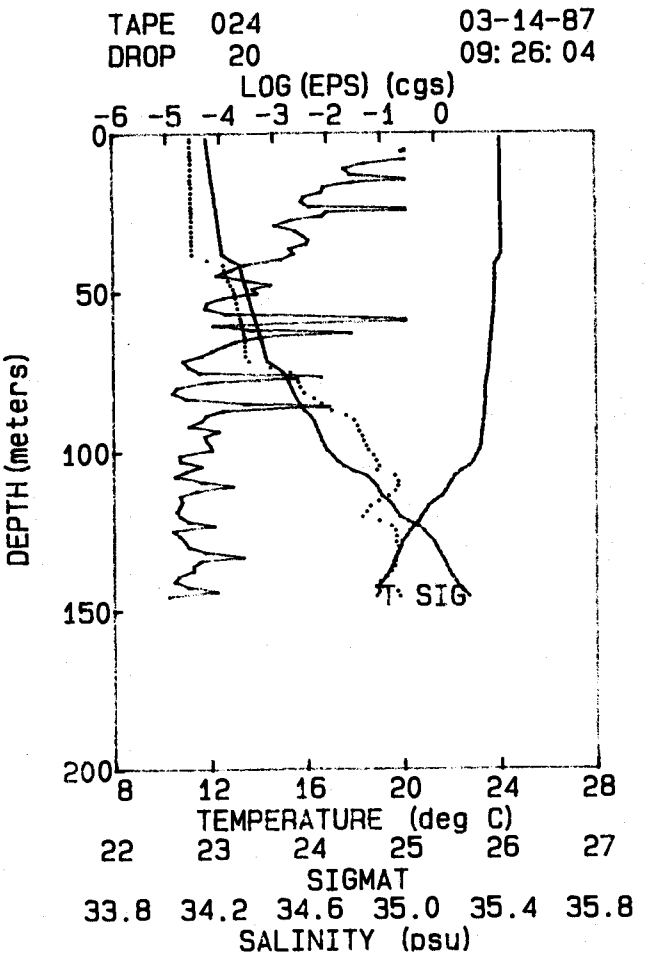
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09: 26: 04
LOG (EPS) (cgs)
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T SIG
DEPTH (meters)
0
50
100
150
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22 23 24 25 26 27
SIGMAT
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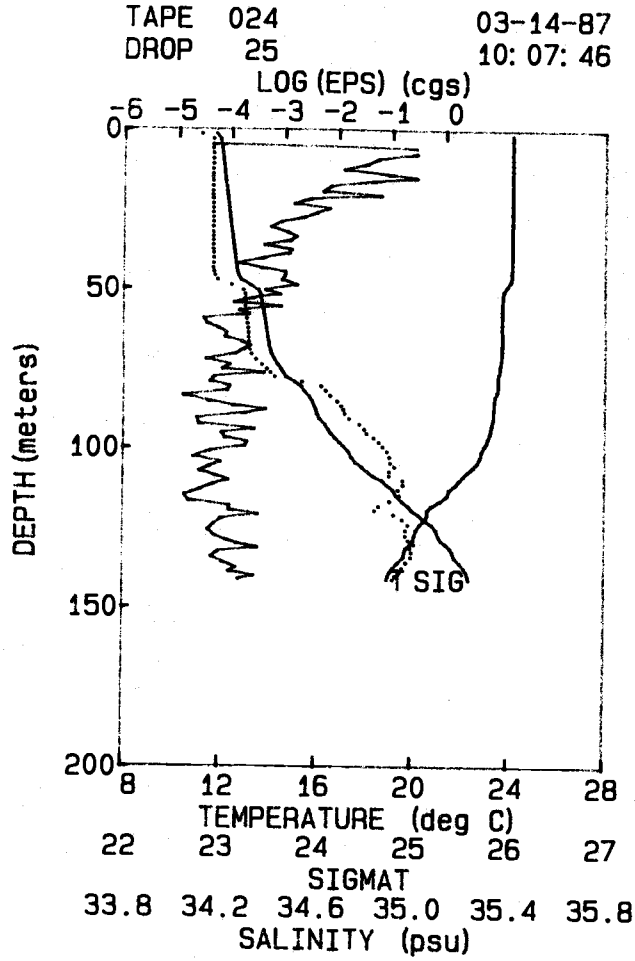
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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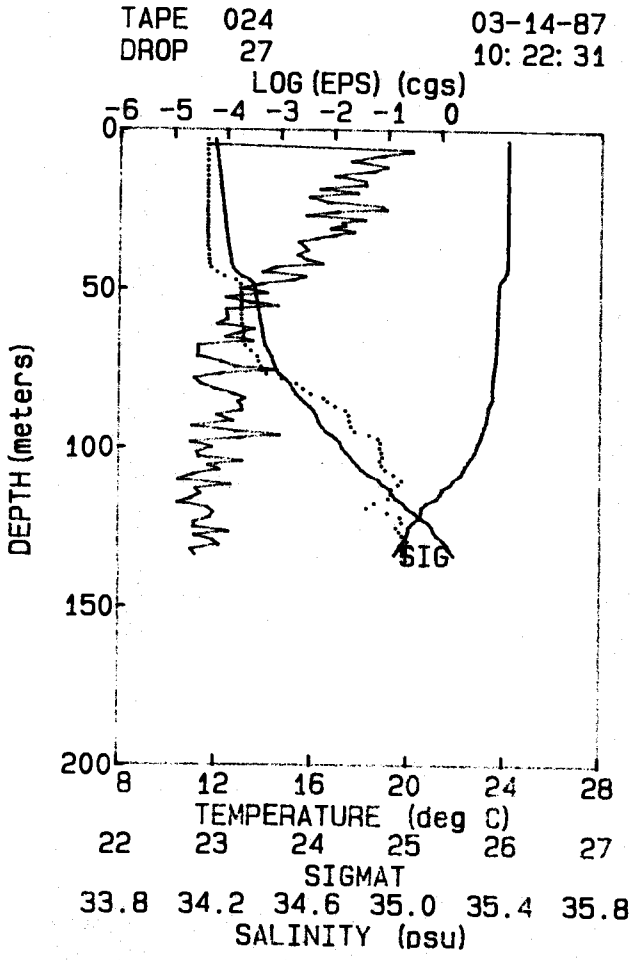
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIG
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TEMPERATURE (deg C)
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SIGMAT
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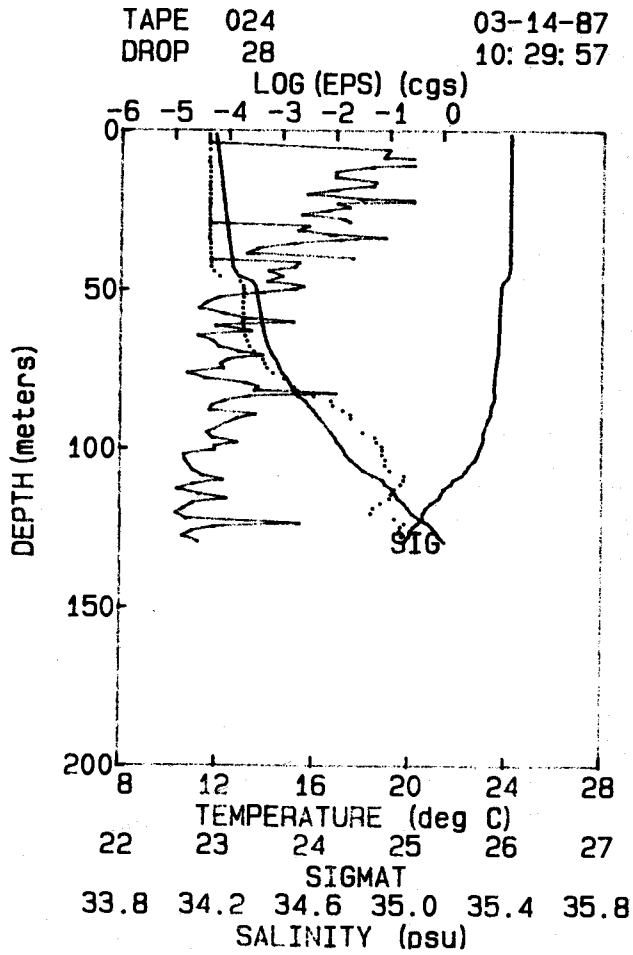
SALINITY (psu)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DROP 28
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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIG
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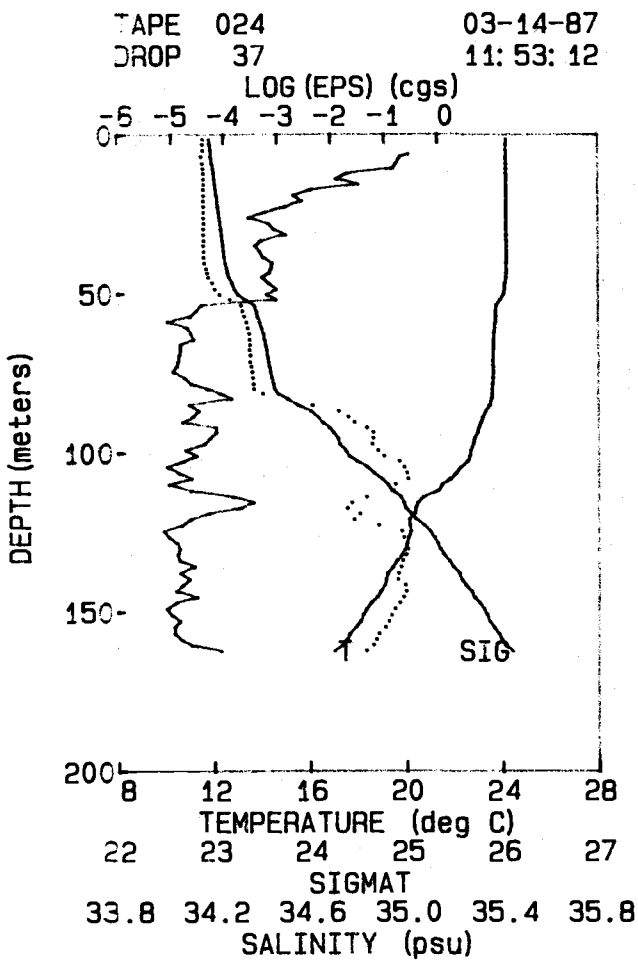
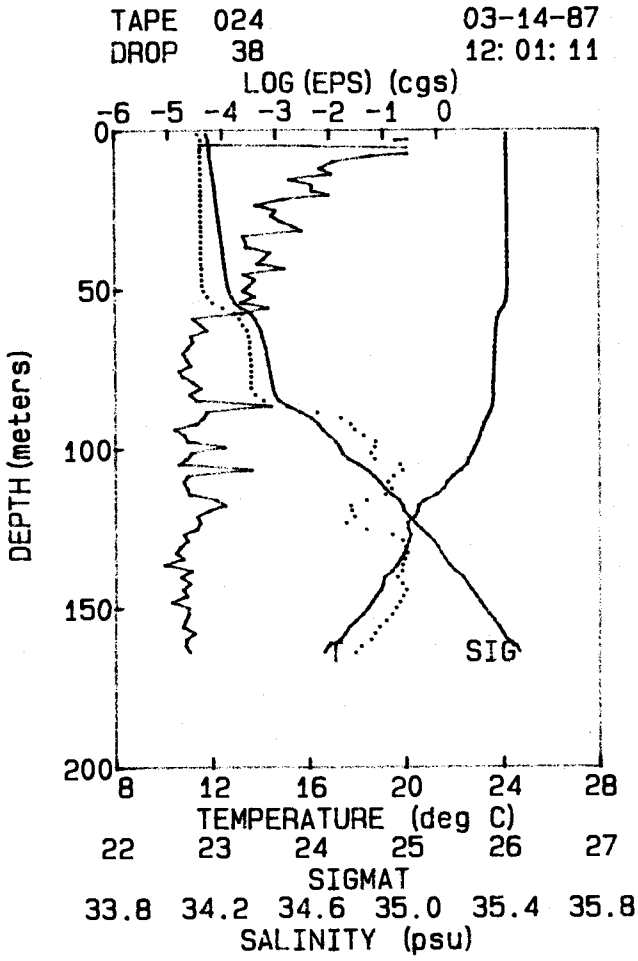
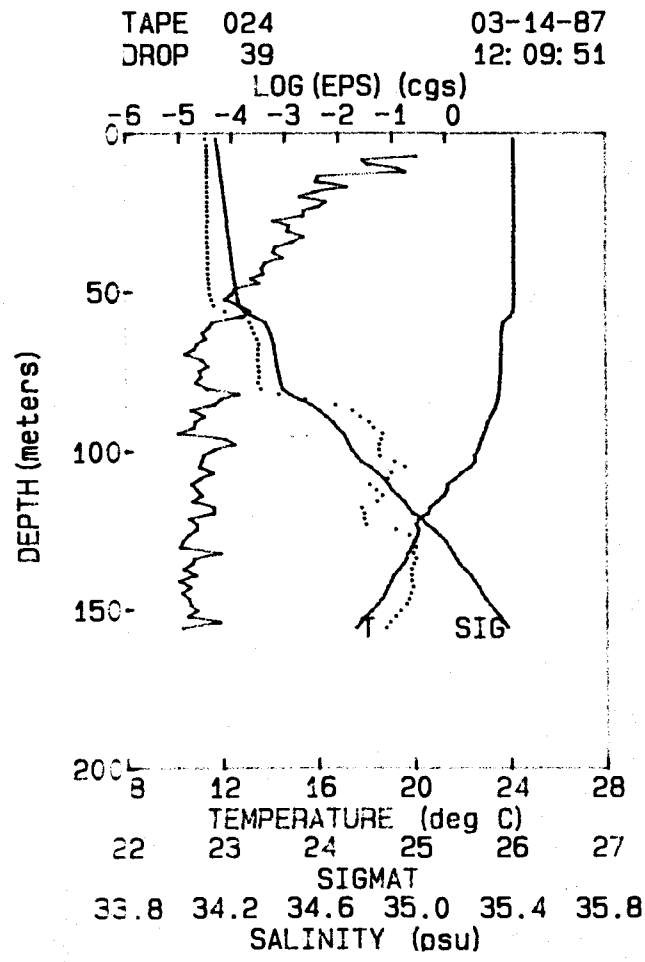
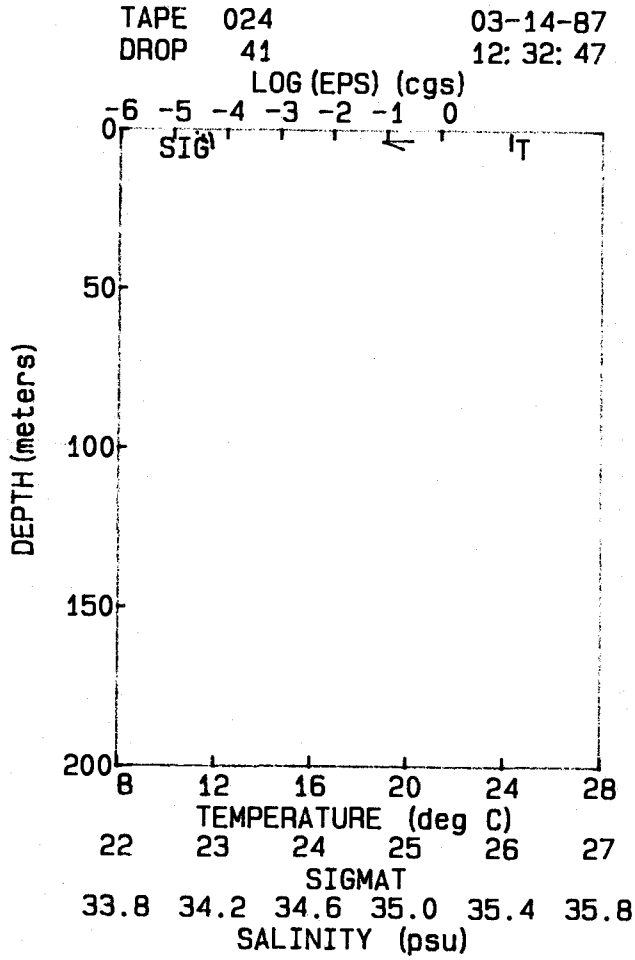
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)




DEPTH (meters)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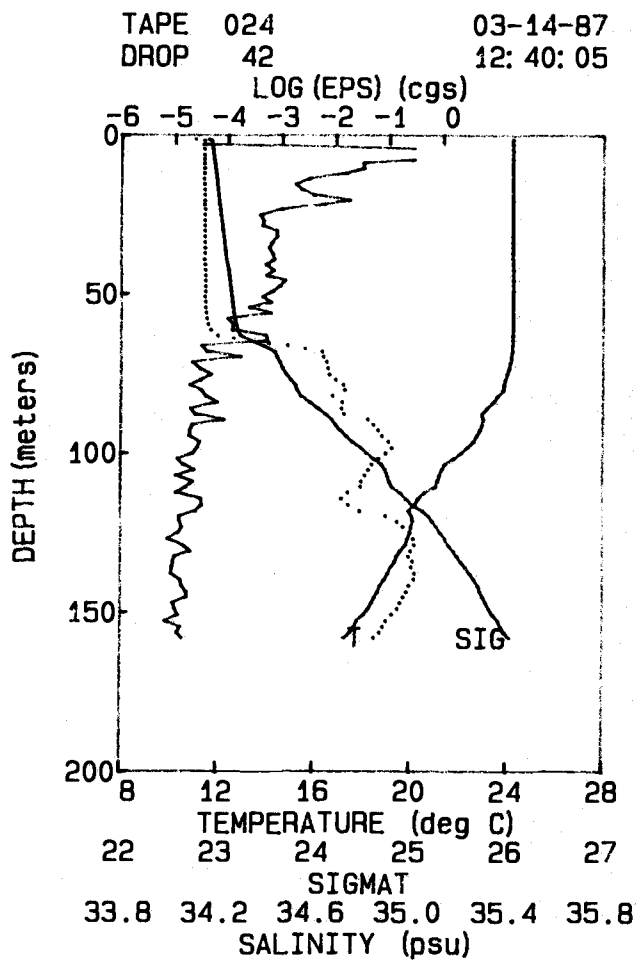
DROP 41
03-14-87
12: 32: 47
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
SIG
T
DEPTH (meters)
0
50
100
150
200
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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50
100
150
200
SIG
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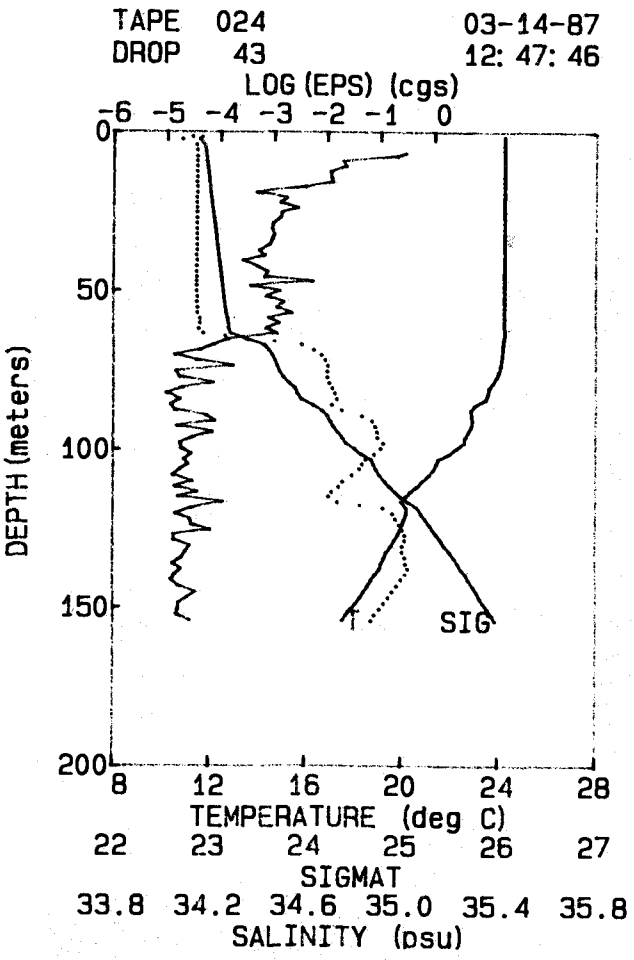
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
SIG
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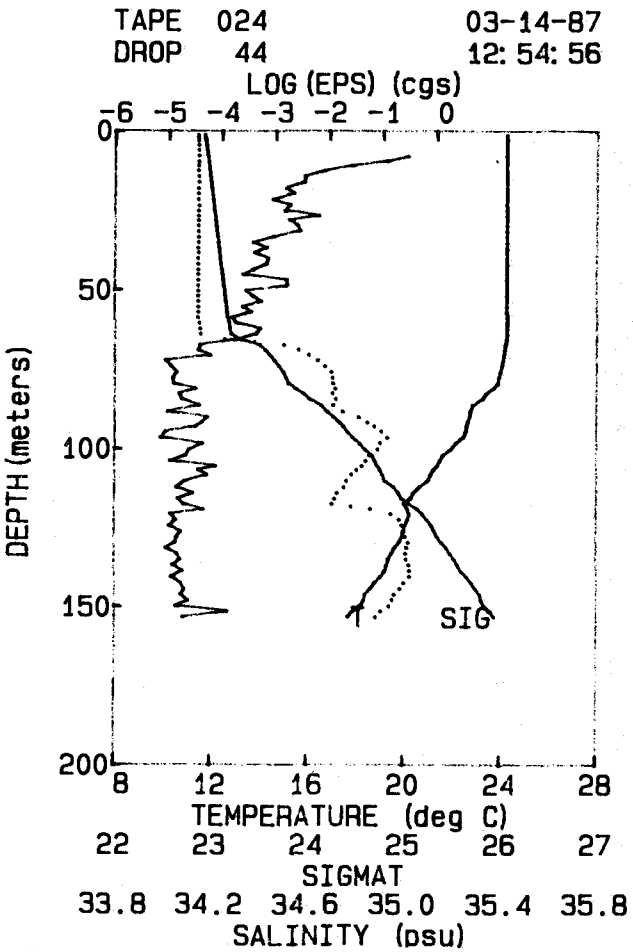
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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50
100
150
200
SIG
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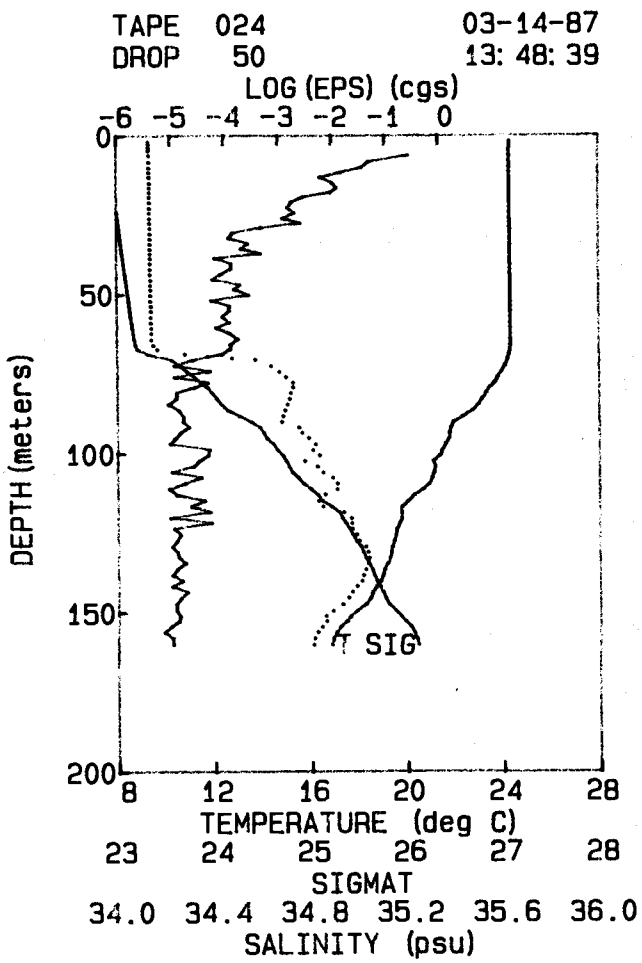
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
DEPTH (meters)
T SIG
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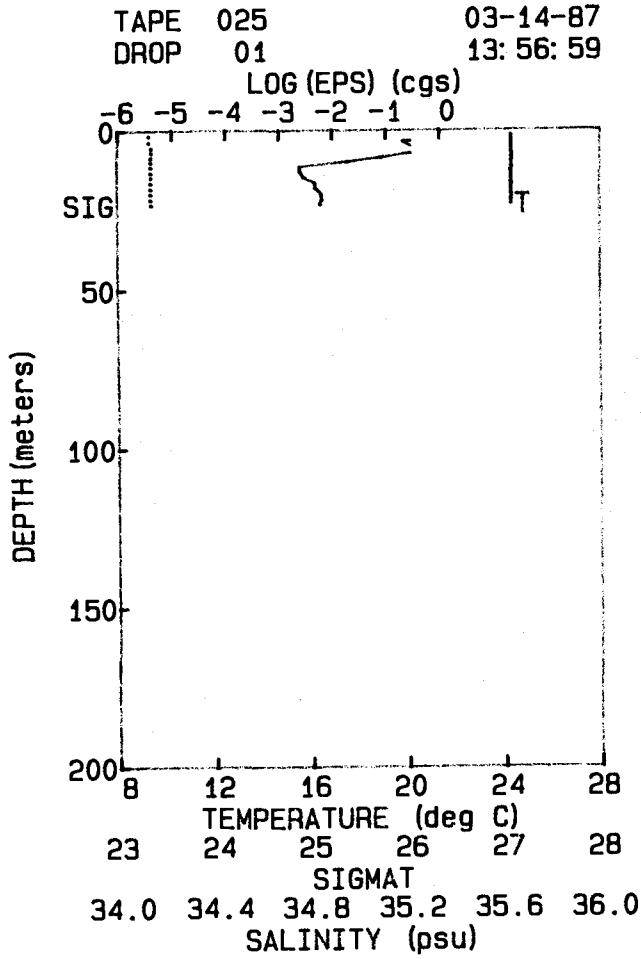
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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0
SIG
T
50
100
150
200
DEPTH (meters)
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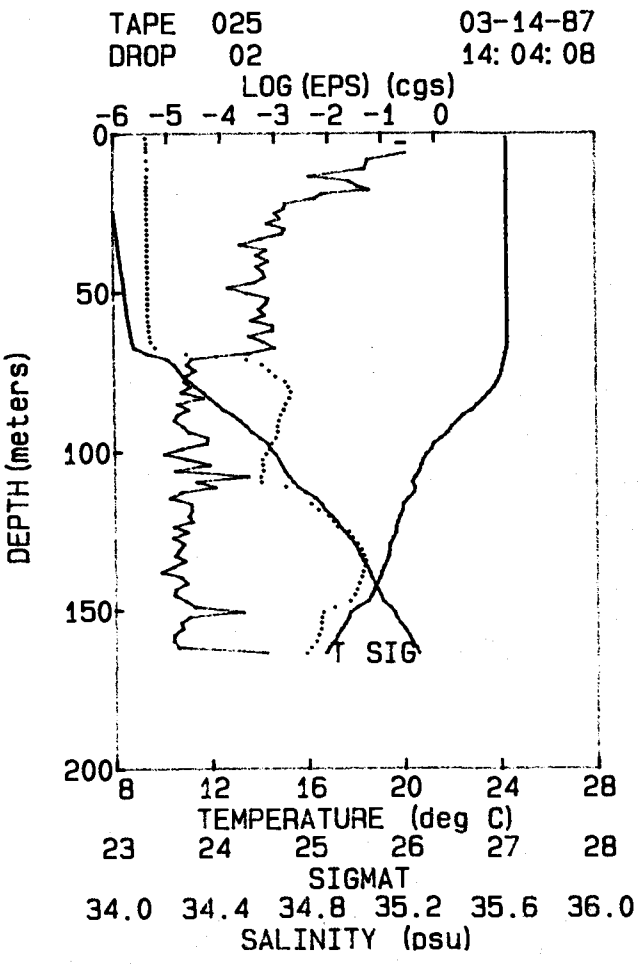
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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150
200
DEPTH (meters)
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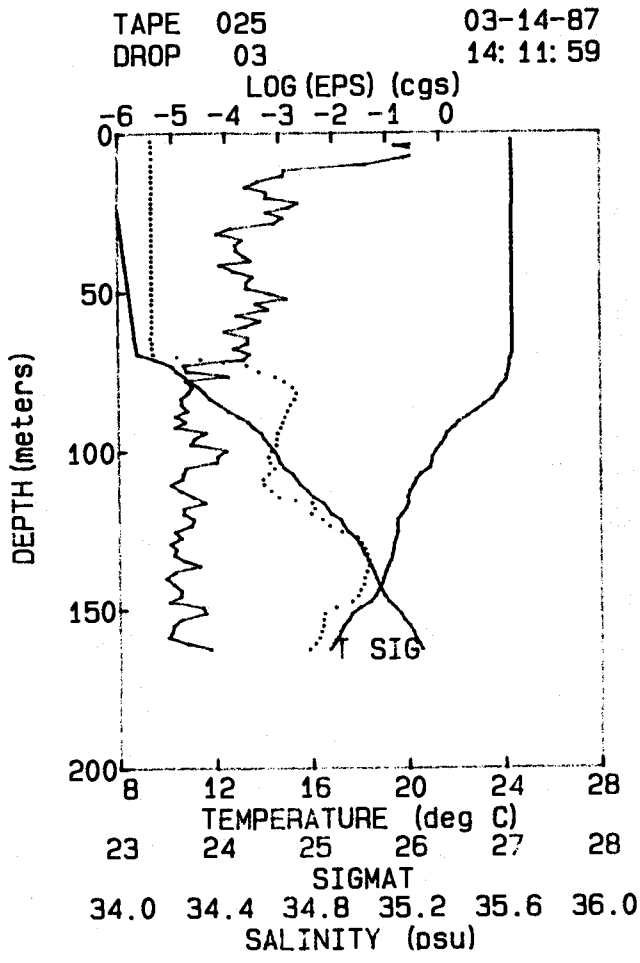
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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200
DEPTH (meters)
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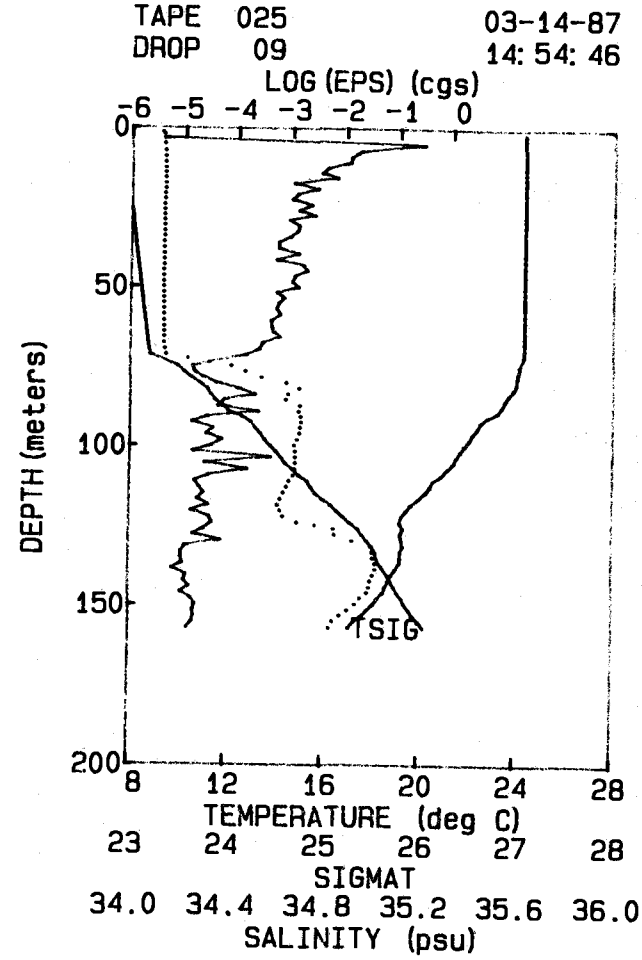
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
SIG
T
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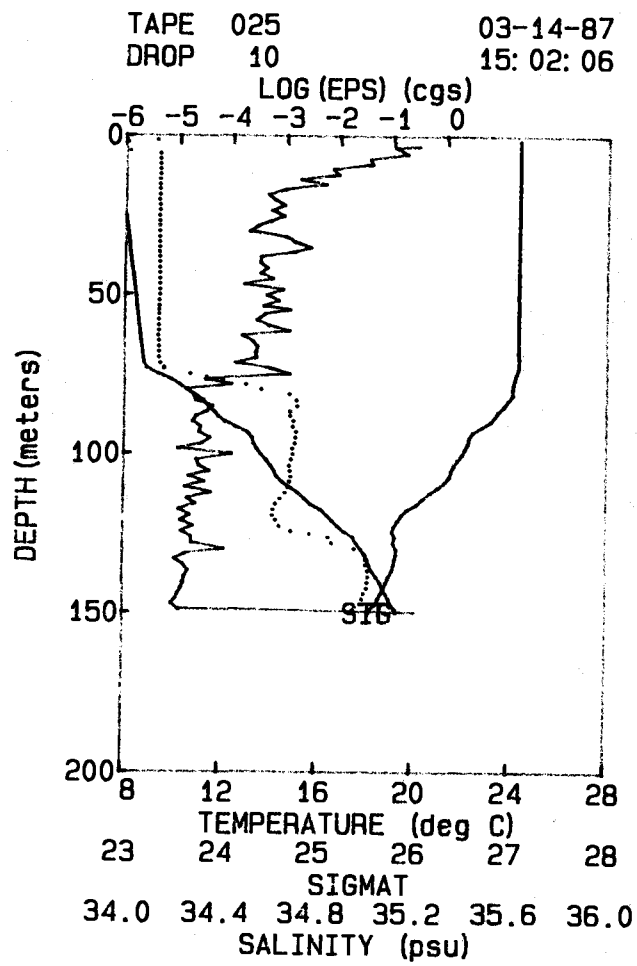
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
T
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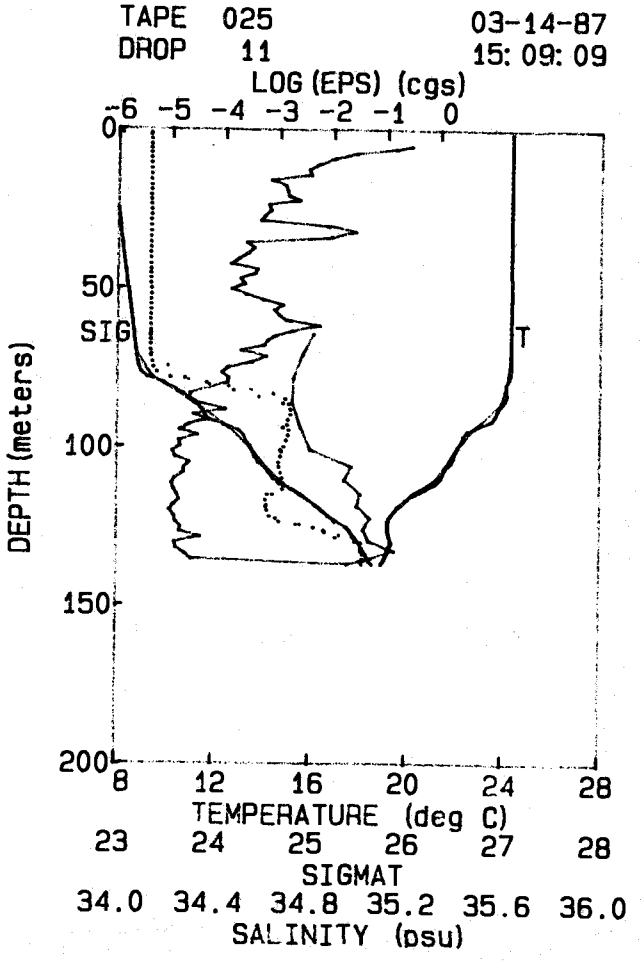
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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150
200
SIG
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TEMPERATURE (deg C)
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SIGMAT
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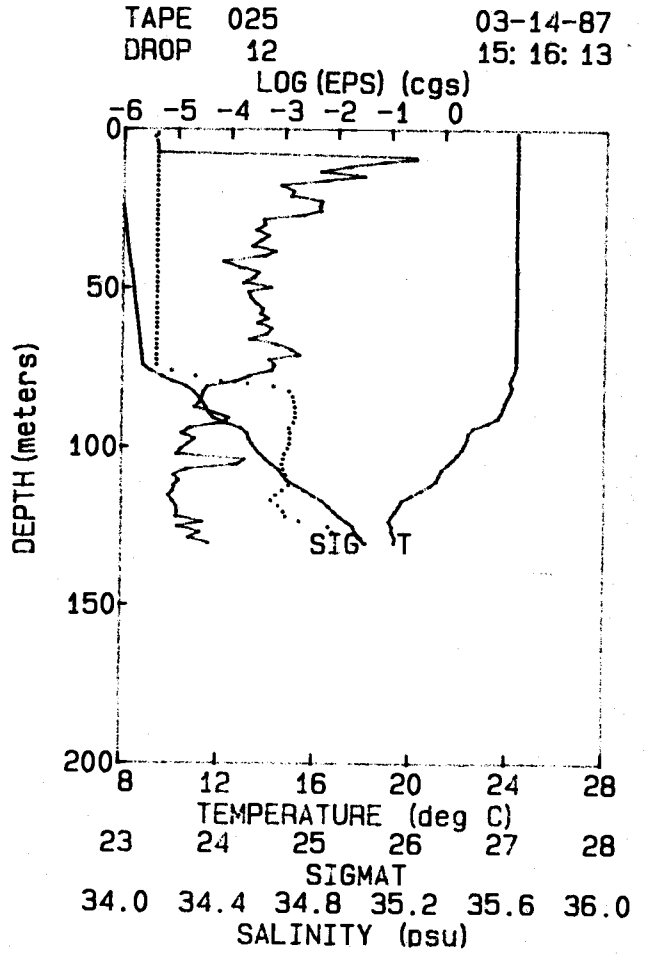
SALINITY (psu)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15: 16: 13
LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIG
T
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TEMPERATURE (deg C)
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SIGMAT
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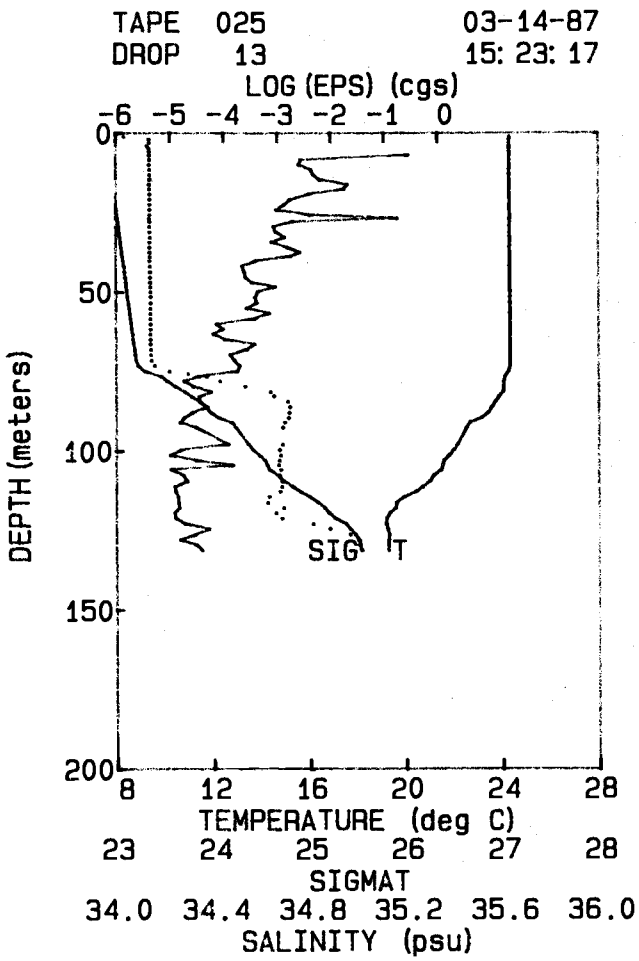
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
SIG
T
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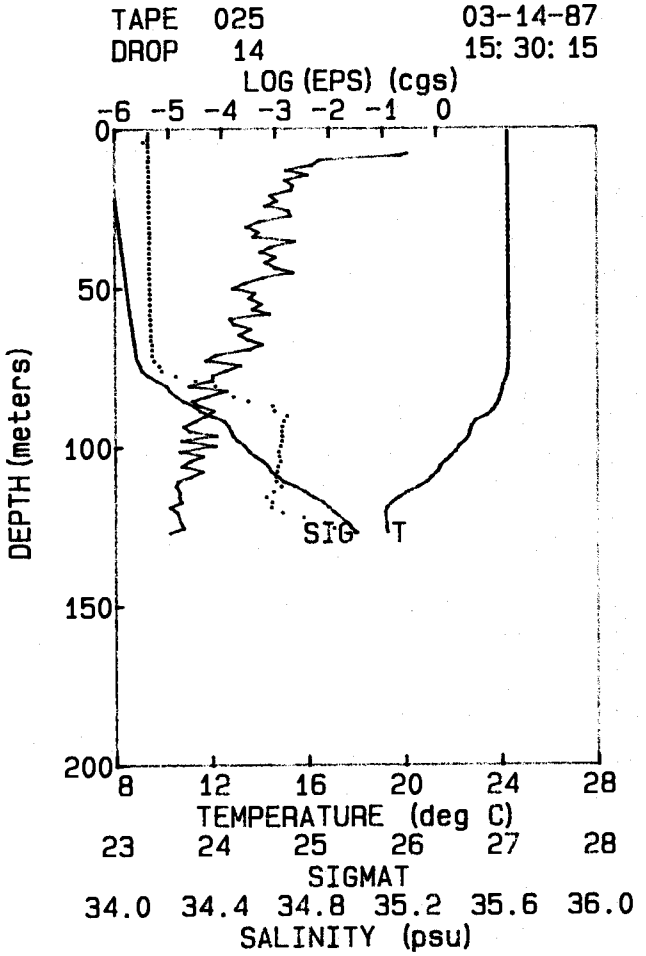
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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15: 30: 15
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50
100
150
200
SIG
T
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TEMPERATURE (deg C)
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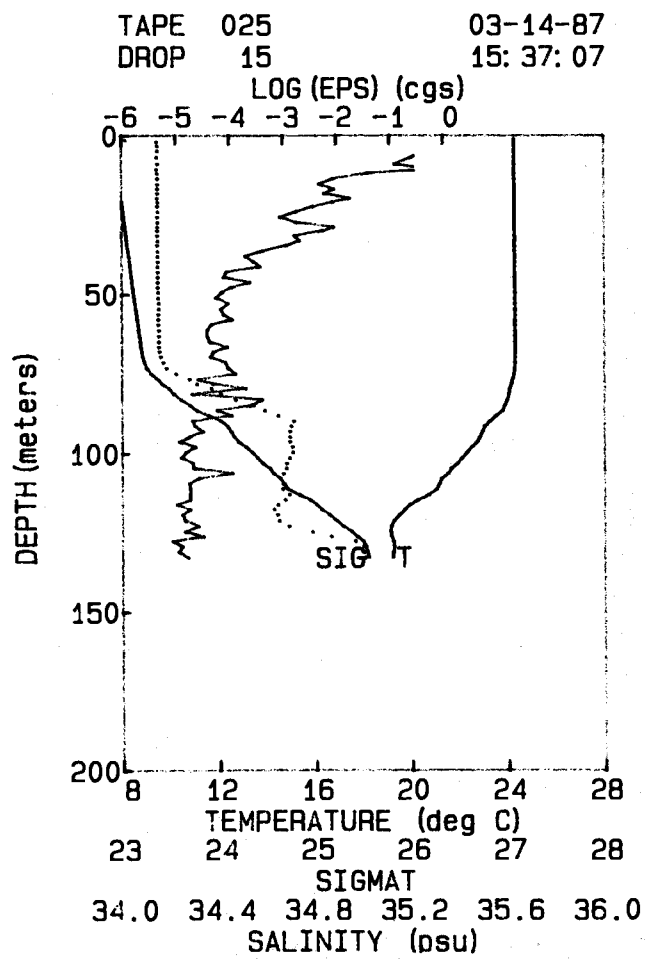
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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100
150
200
SIG
T
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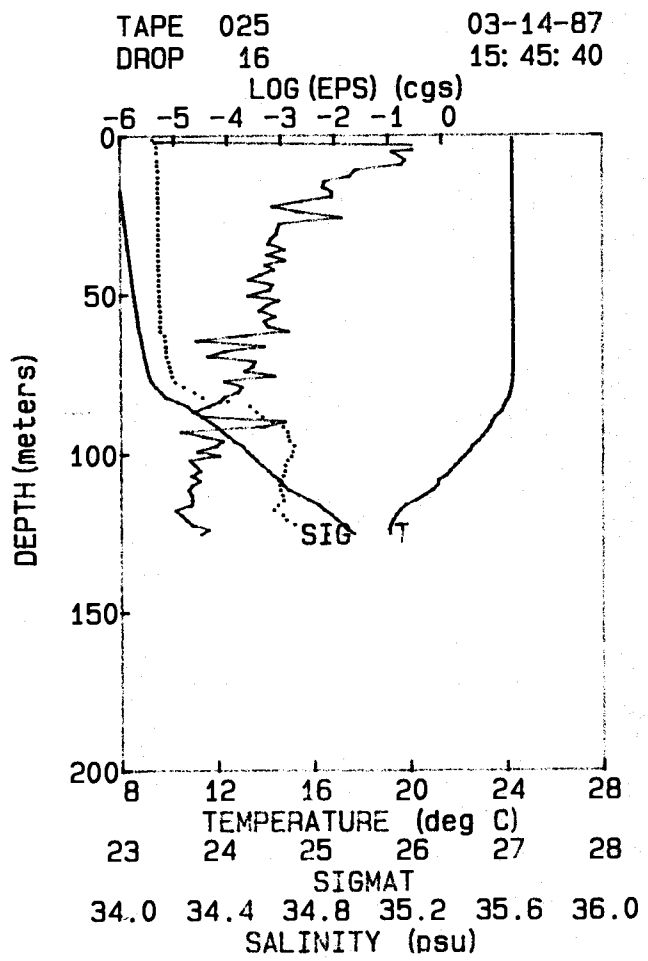
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
T
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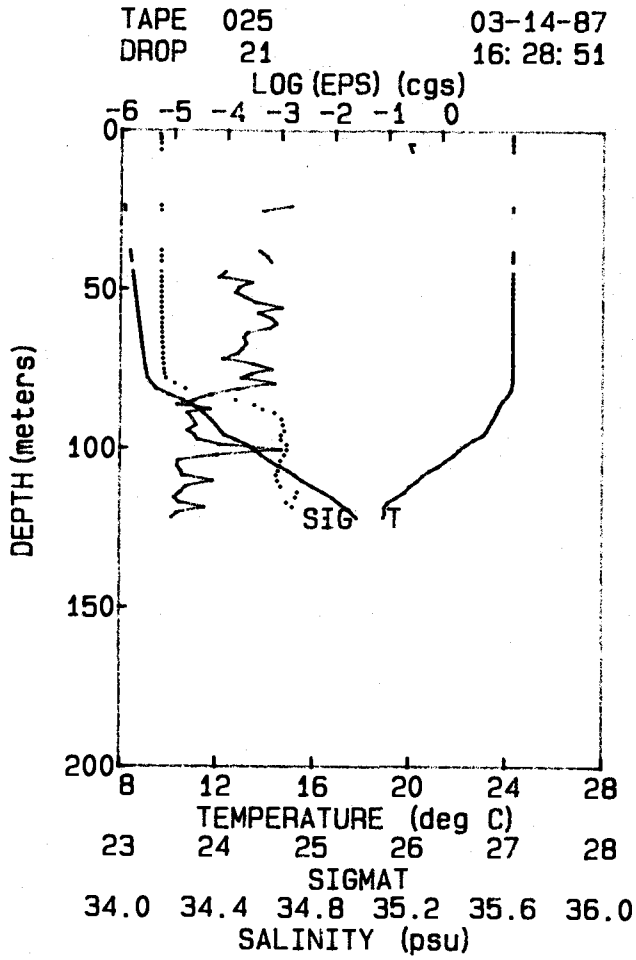
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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0
50
100
150
200
SIG
T
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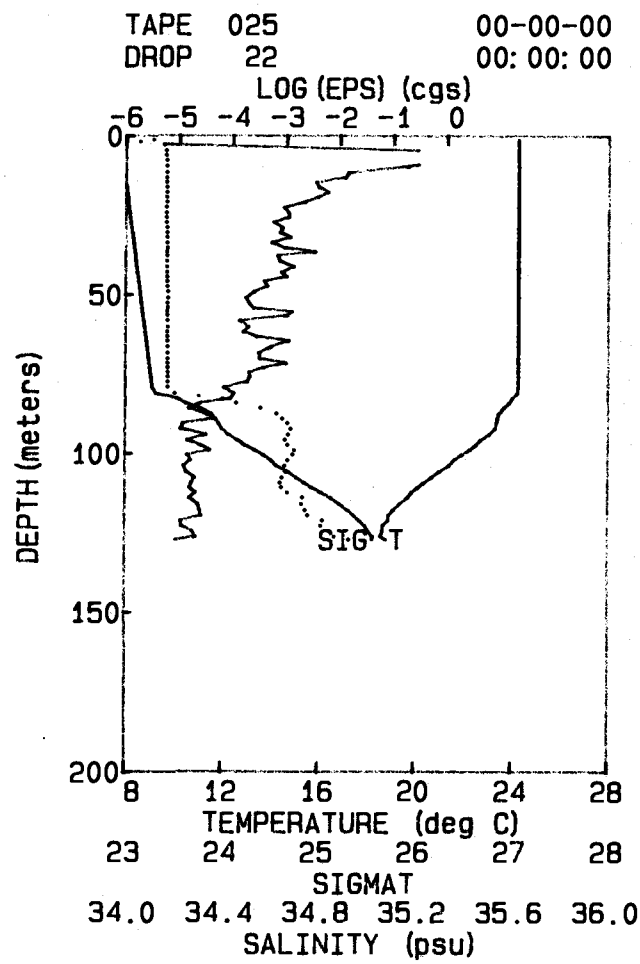
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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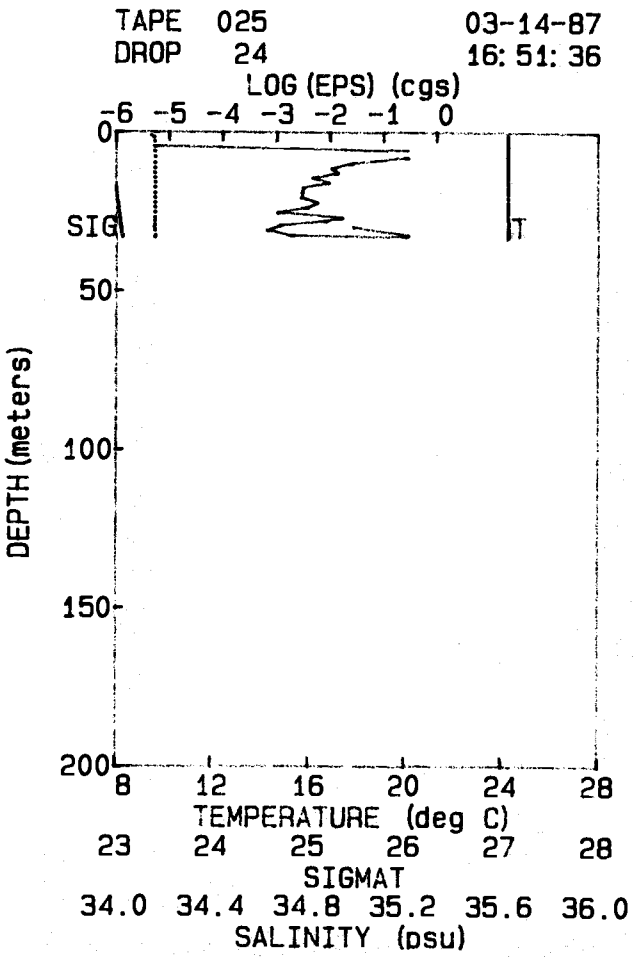
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
T
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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03-14-87
16: 51: 36
LOG (EPS) (cgs)
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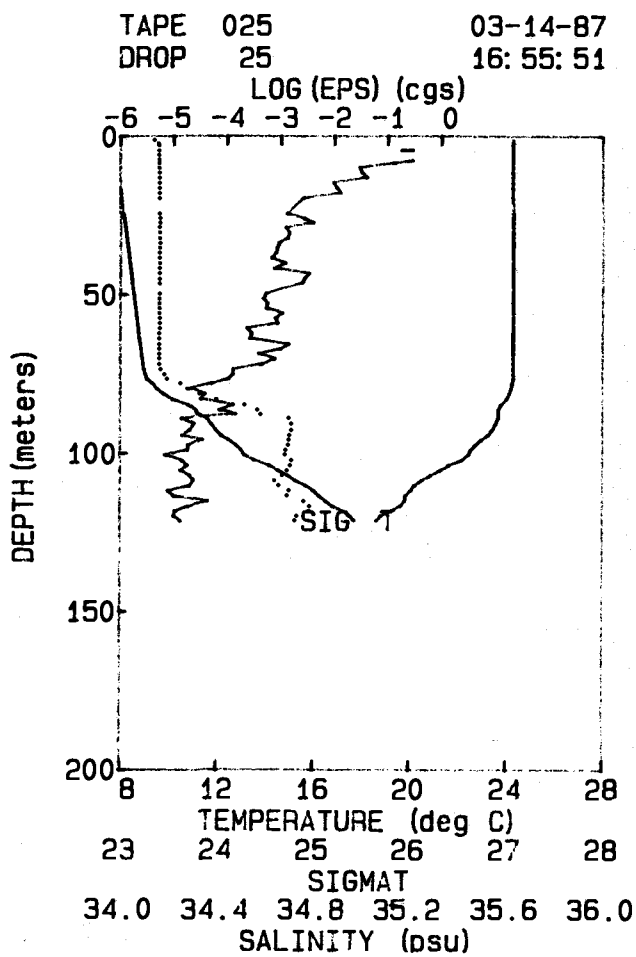
DEPTH (meters)
0
50
100
150
200
SIG
T
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 25
03-14-87
16: 55: 51
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
T
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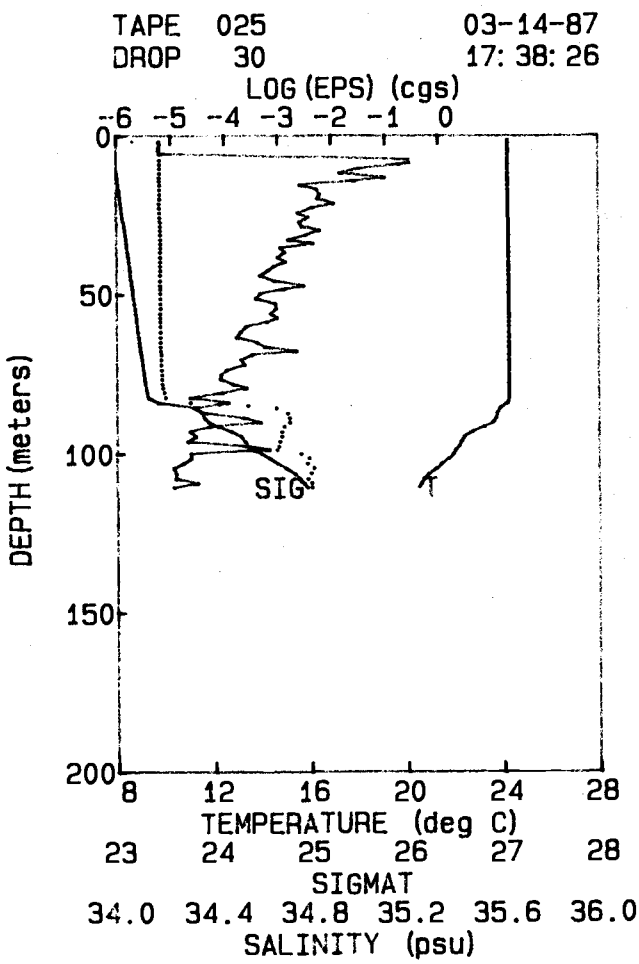
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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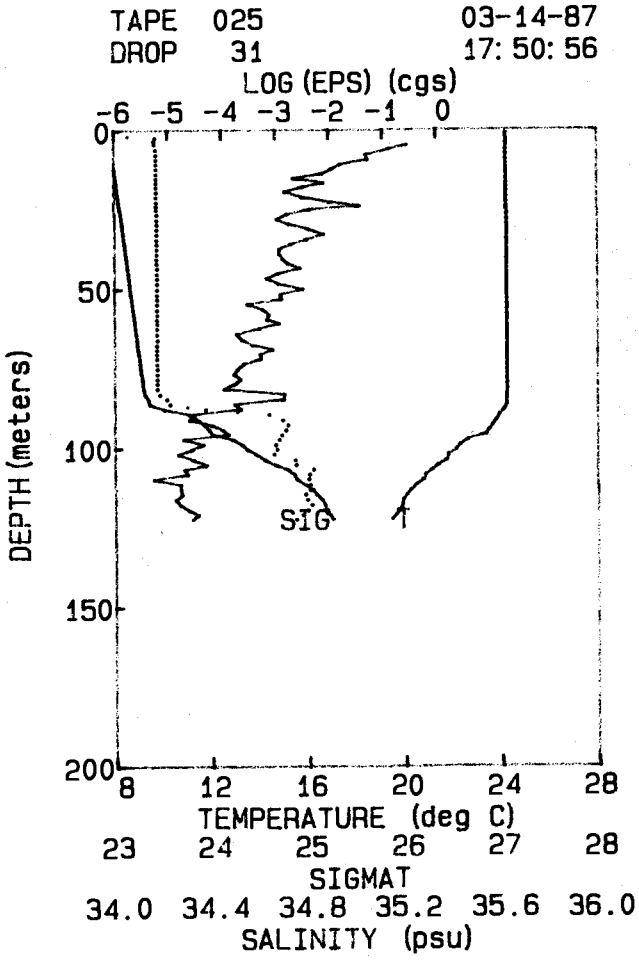
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 31
03-14-87
17: 50: 56
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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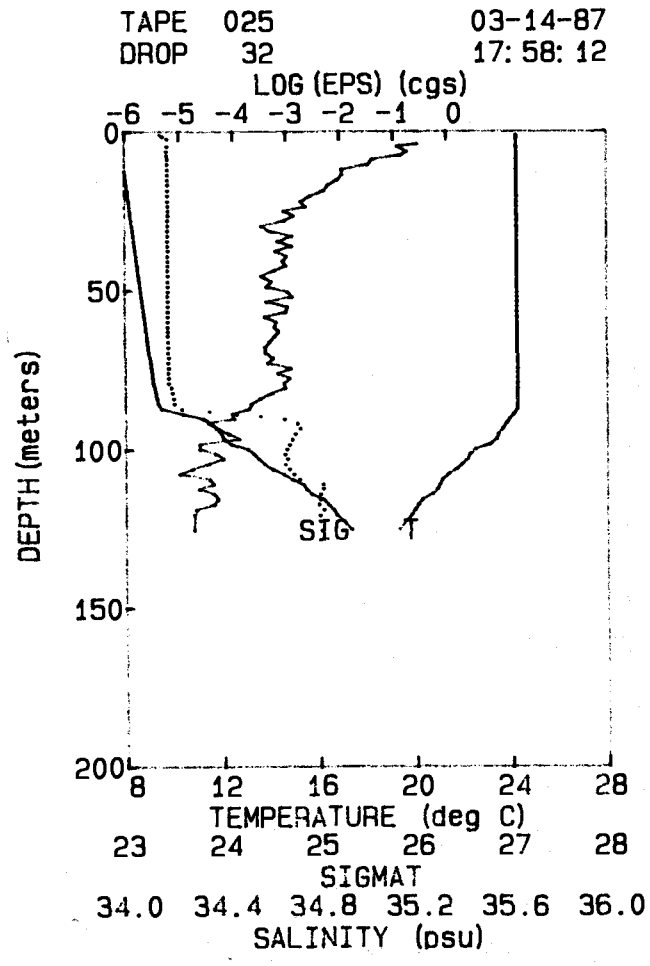
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 32
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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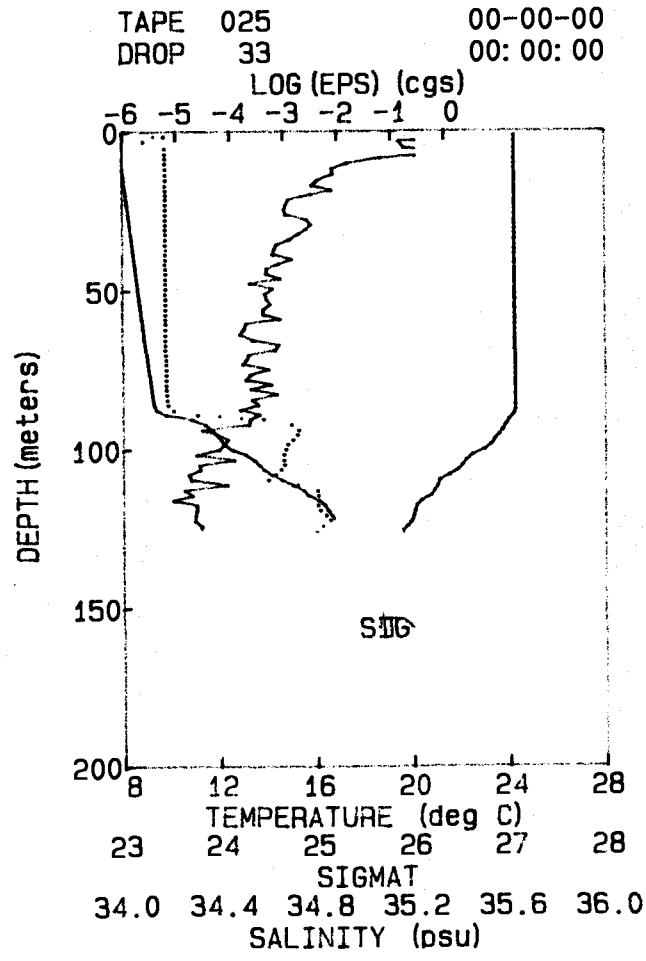
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 33
00-00-00
00: 00: 00
LOG (EPS) (cgs)
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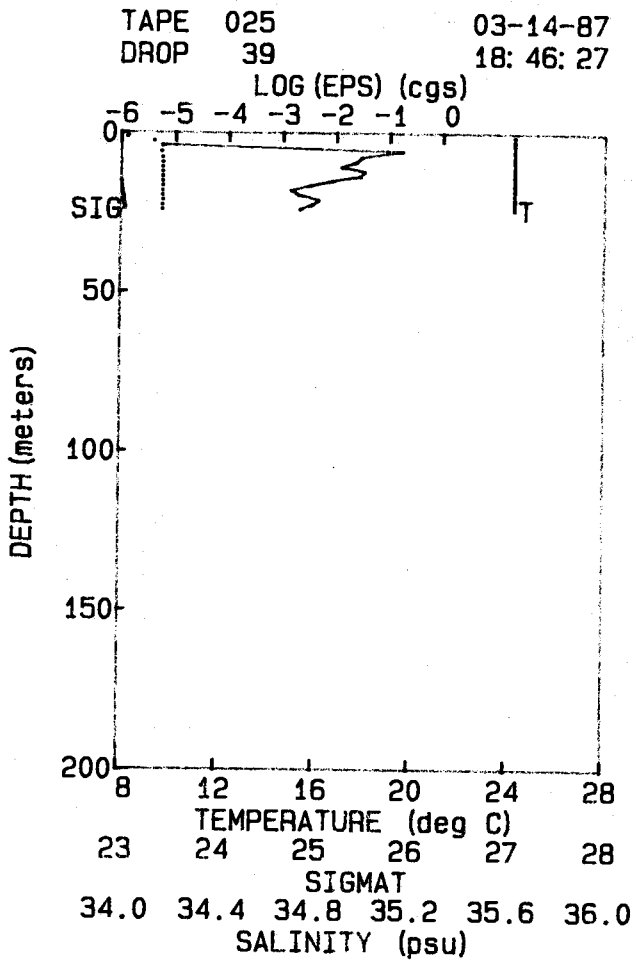
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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18: 46: 27
LOG (EPS) (cgs)
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SIG
T
DEPTH (meters)
0
50
100
150
200
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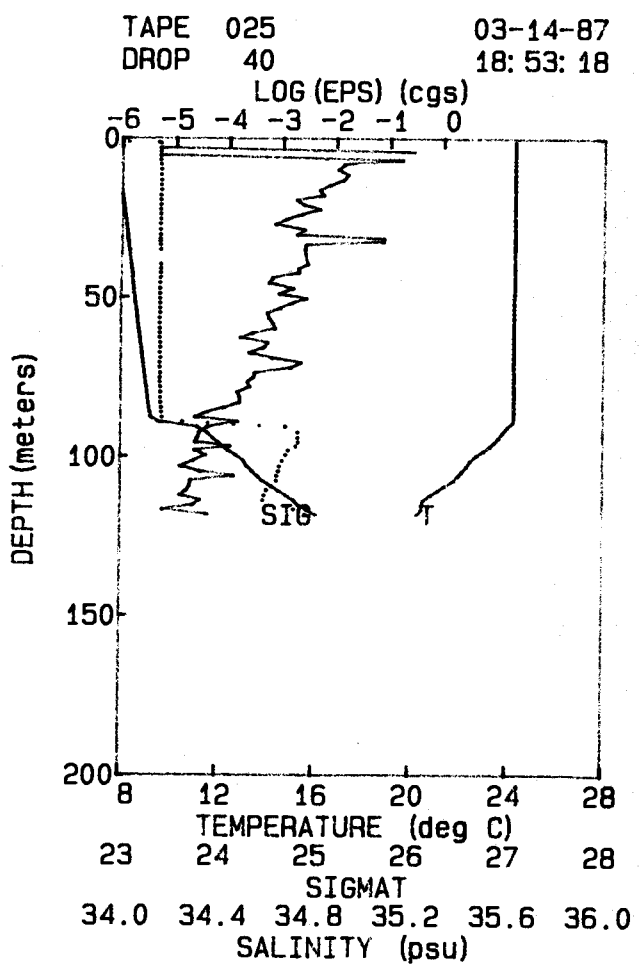
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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SIG
T
DEPTH (meters)
0
50
100
150
200
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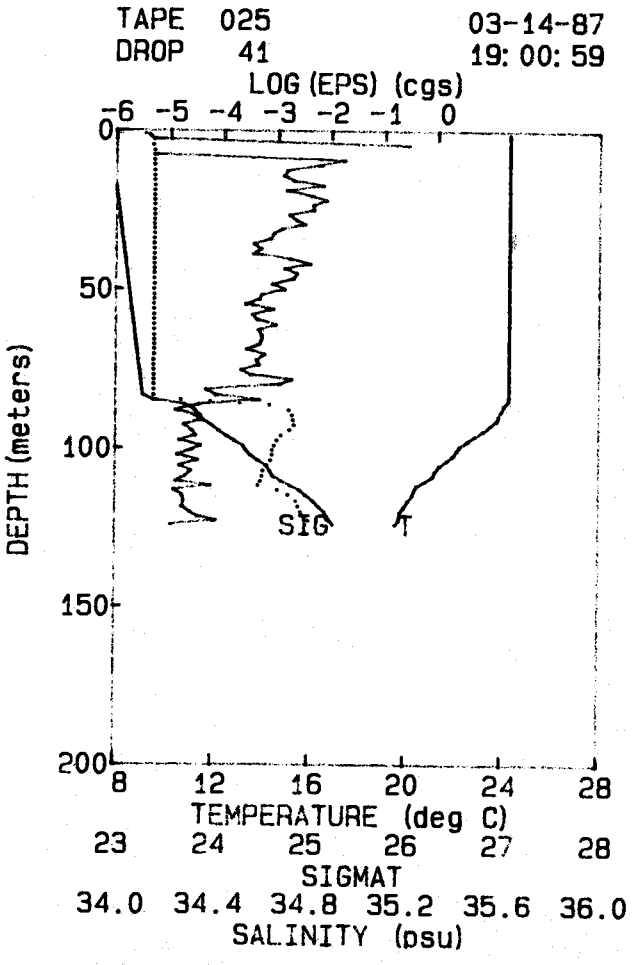
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 41
03-14-87
19: 00: 59
LOG (EPS) (cgs)
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SIG
T
DEPTH (meters)
0
50
100
150
200
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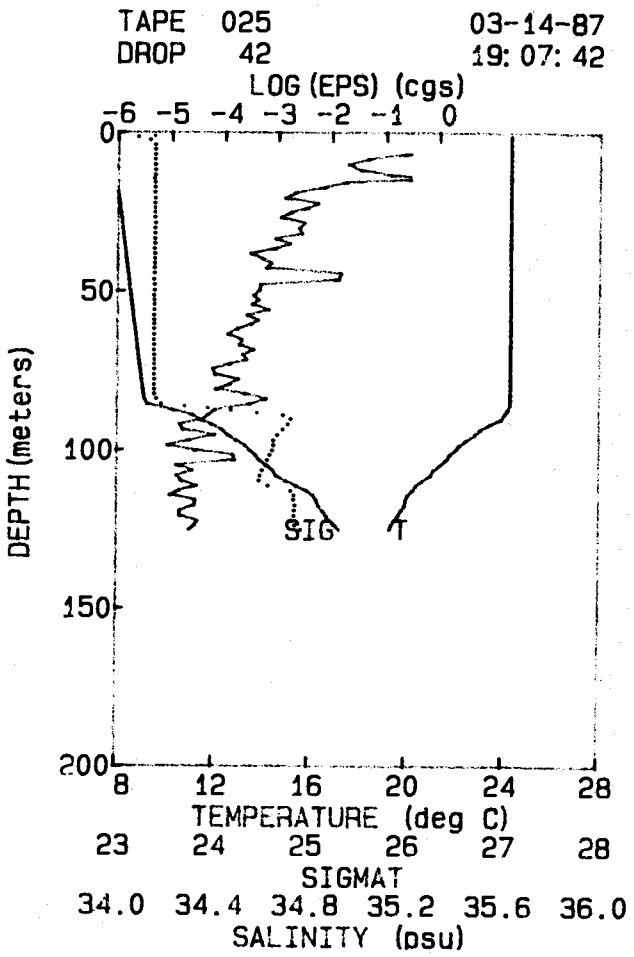
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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SIG
T
DEPTH (meters)
0
50
100
150
200
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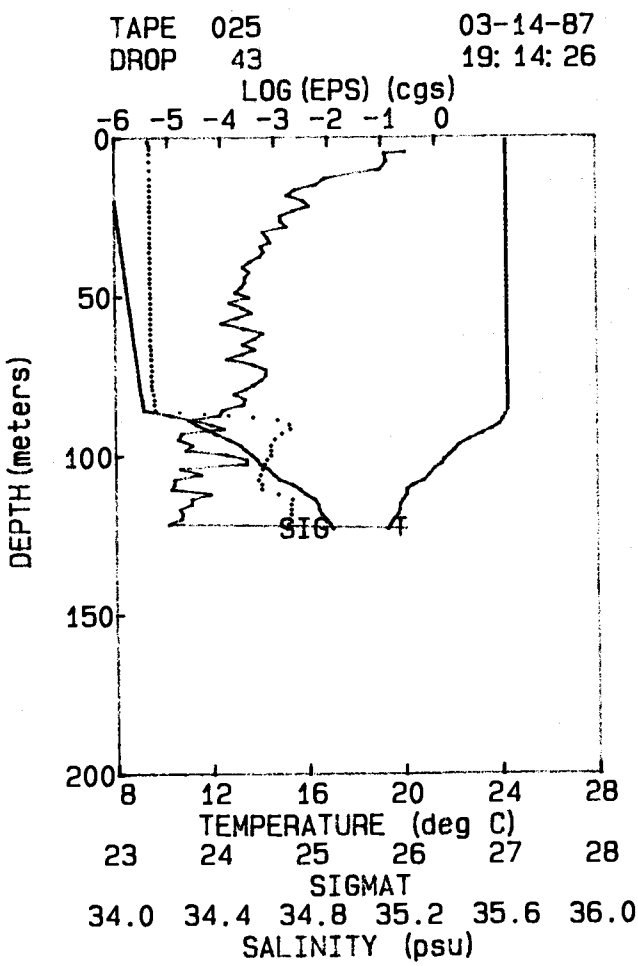
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
T
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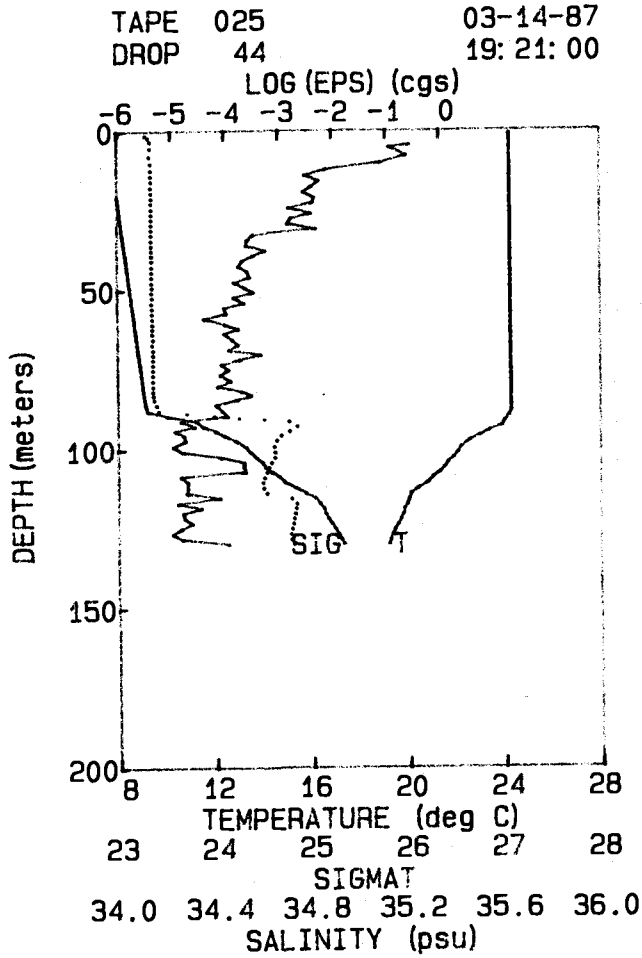
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 44
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LOG (EPS) (cgs)
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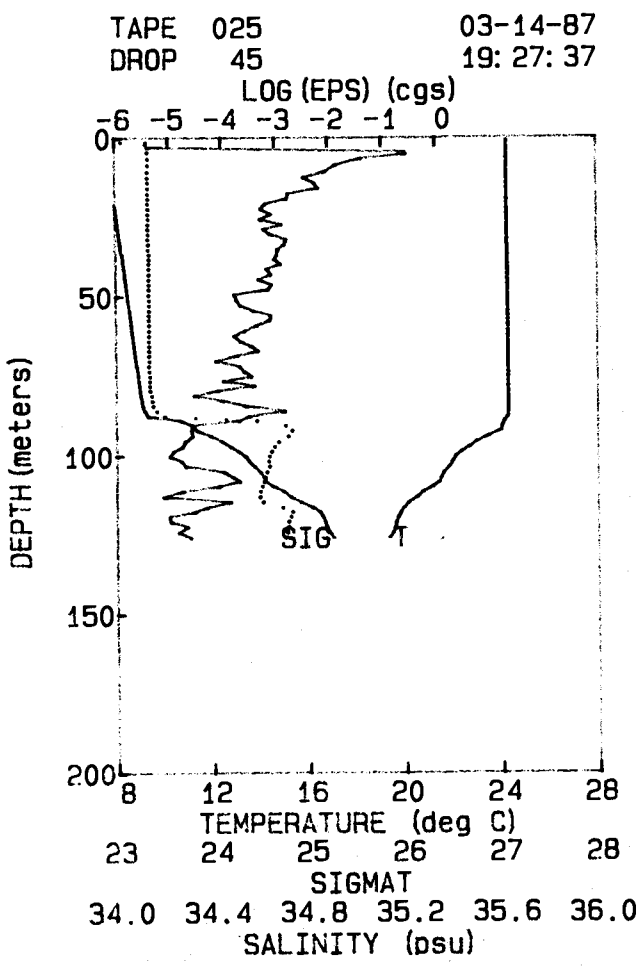
DEPTH (meters)
0
50
100
150
200
SIG
T
8 12 16 20 24 28
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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19: 27: 37
LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIG
T
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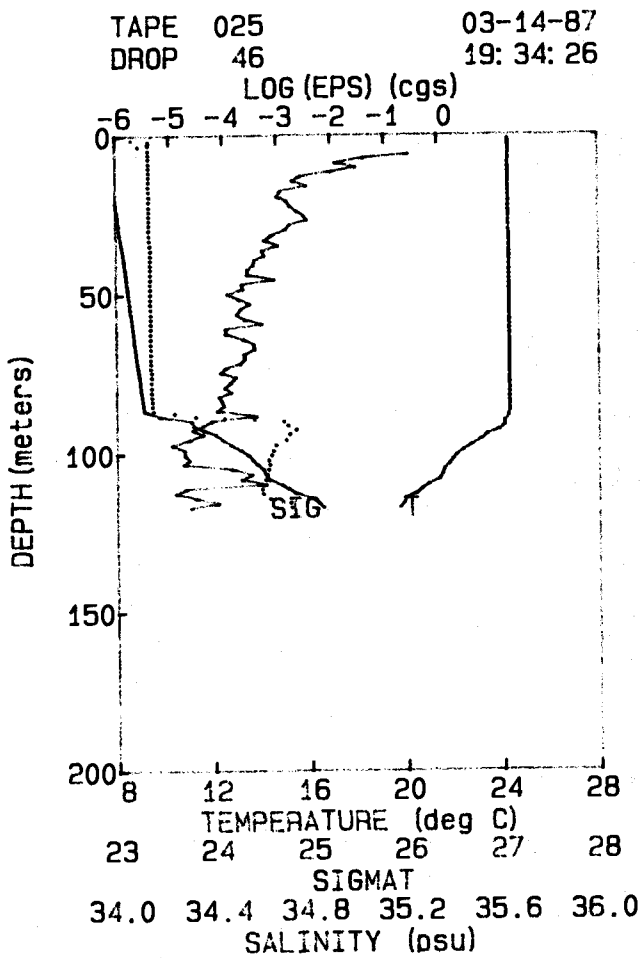
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIG
T
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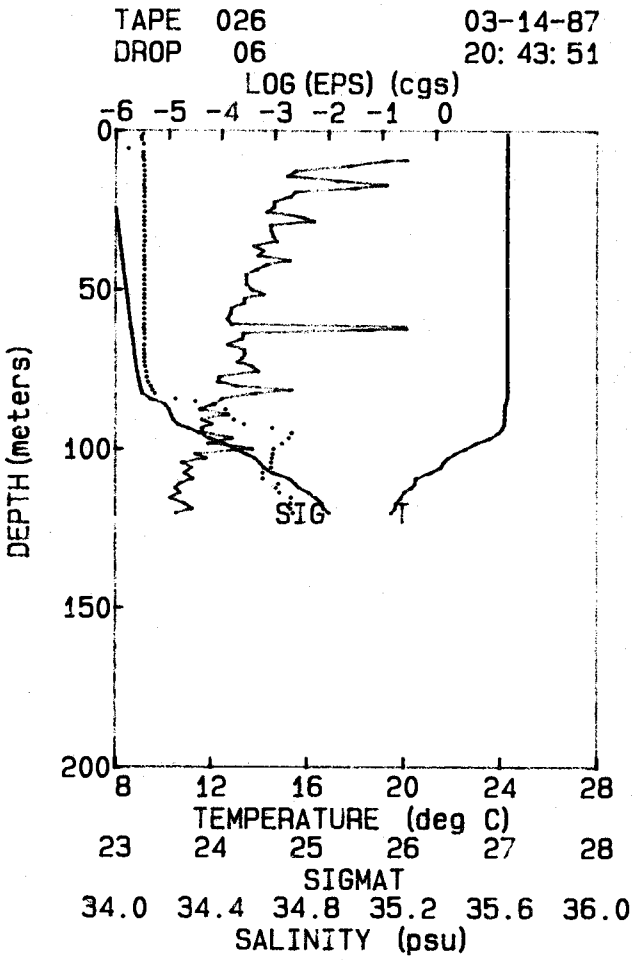
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIG
T
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TEMPERATURE (deg C)
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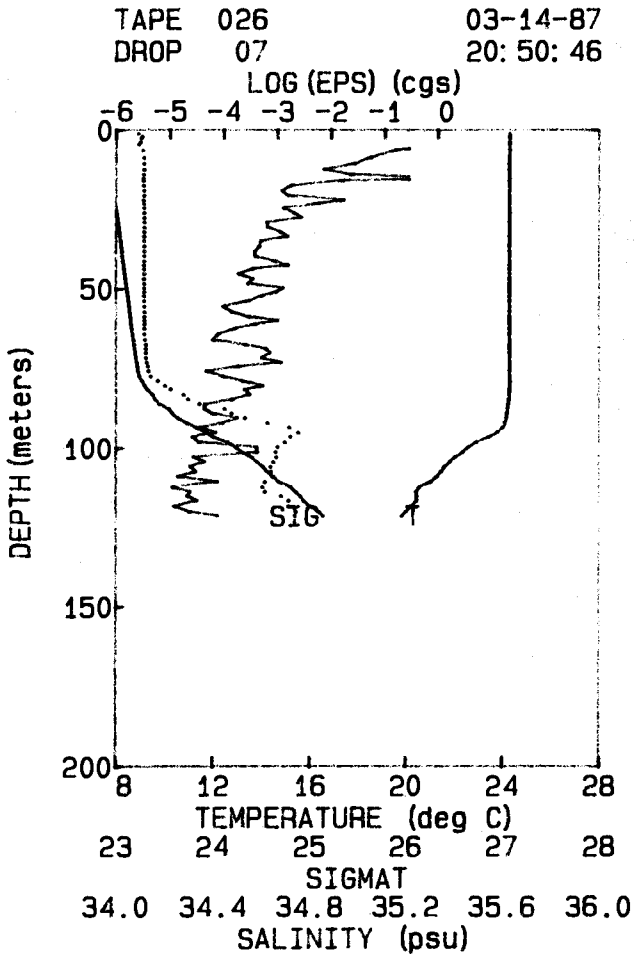
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIG
T
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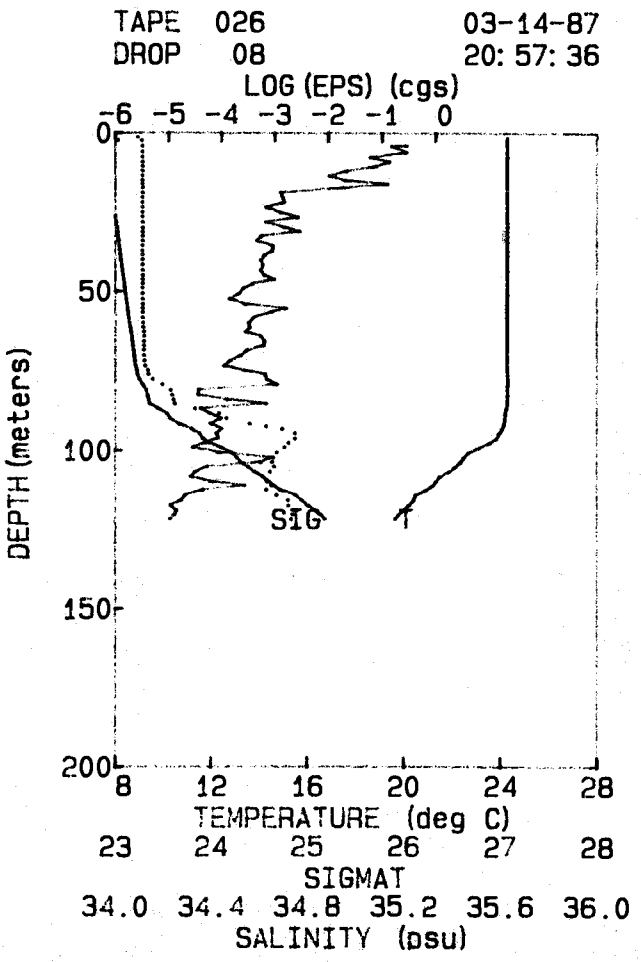
TEMPERATURE (deg C)
23 24 25 26 27 28
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DROP 08
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
T
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TEMPERATURE (deg C)
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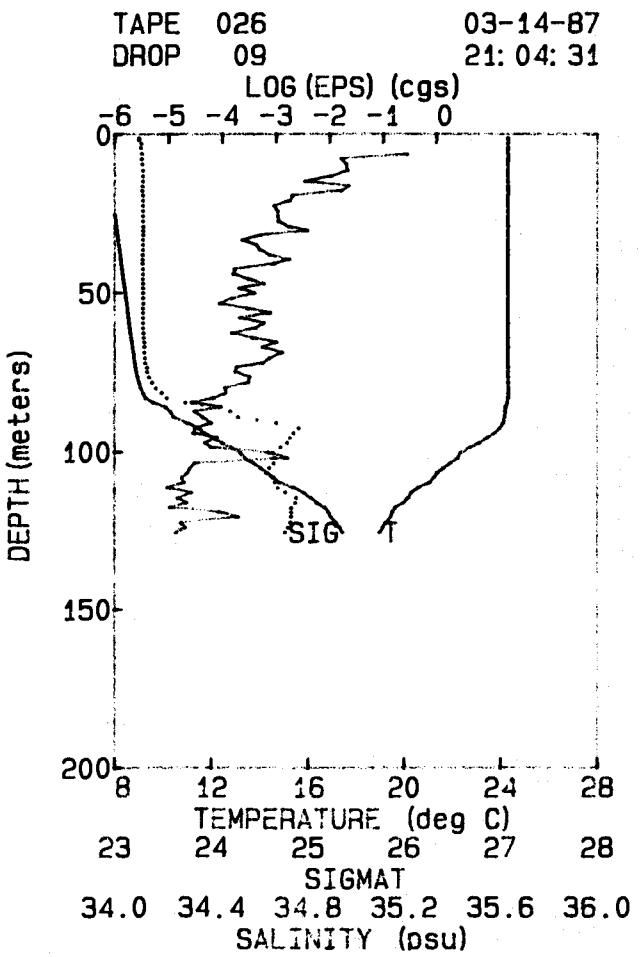
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
T
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TEMPERATURE (deg C)
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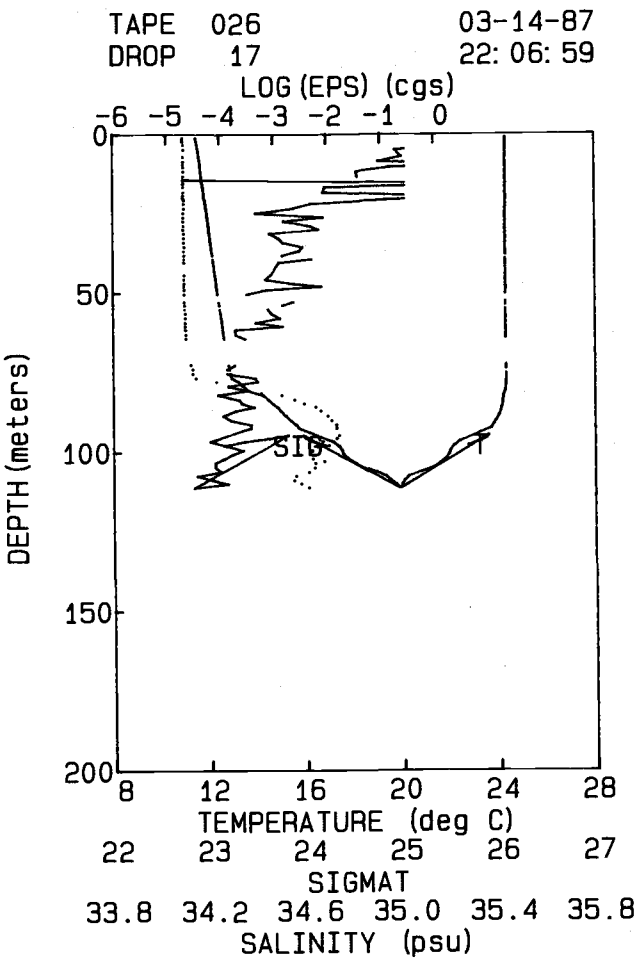
SIGMAT
34.0 34.4 34.8 35.2 35.6 36.0
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
T
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TEMPERATURE (deg C)
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SIGMAT
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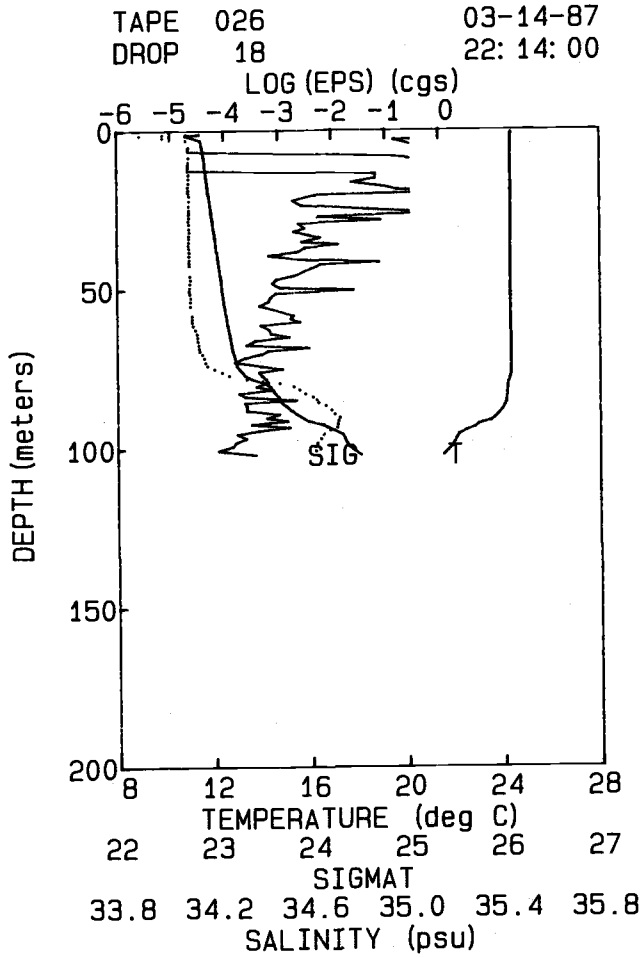
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DEPTH (meters)
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100
150
200
SIG
T
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TEMPERATURE (deg C)
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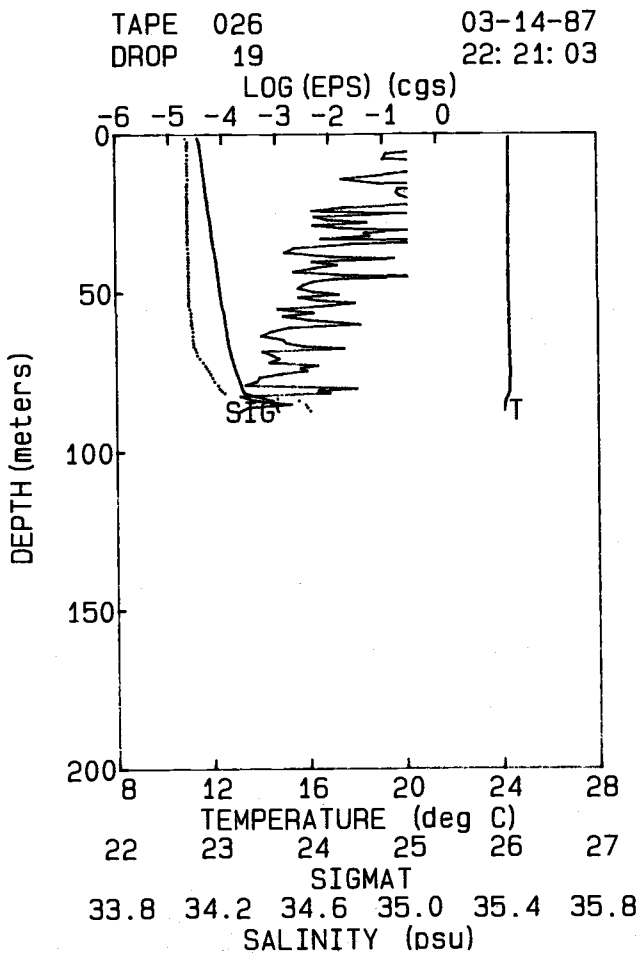
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 026
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DEPTH (meters)
0
50
100
150
200
SIG
T
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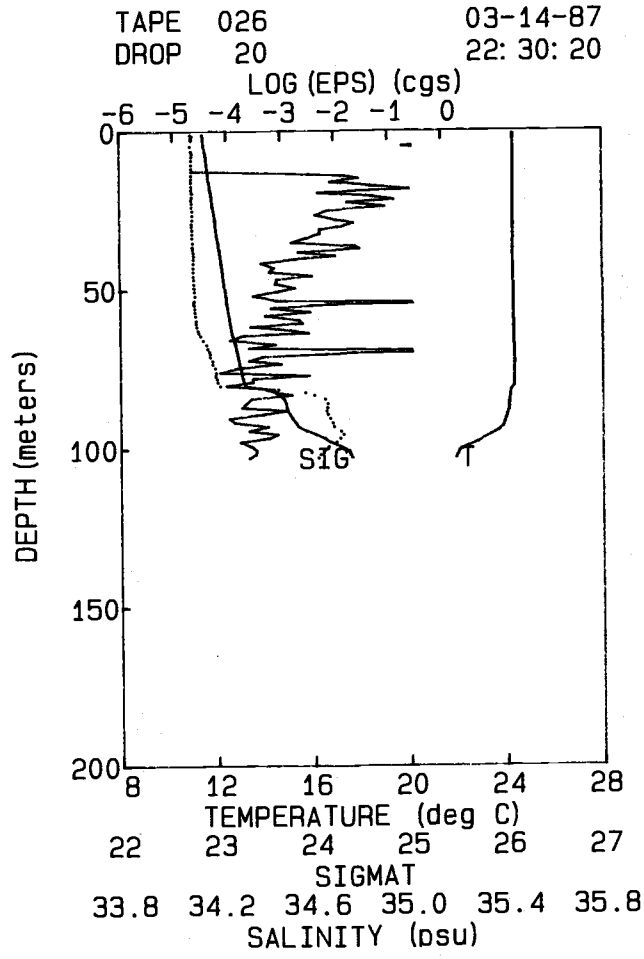
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
T
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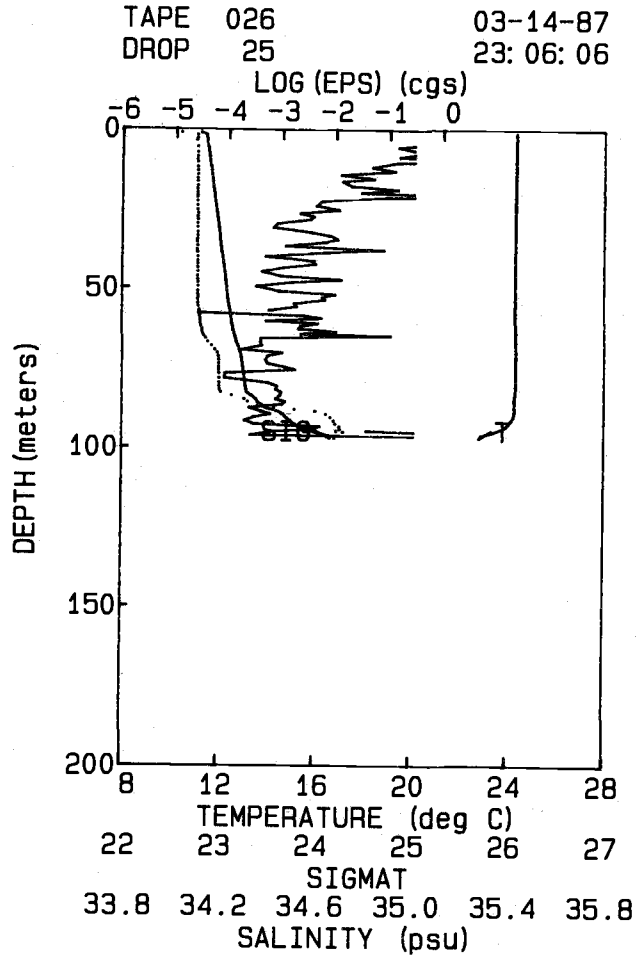
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
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50
100
150
200
SIG
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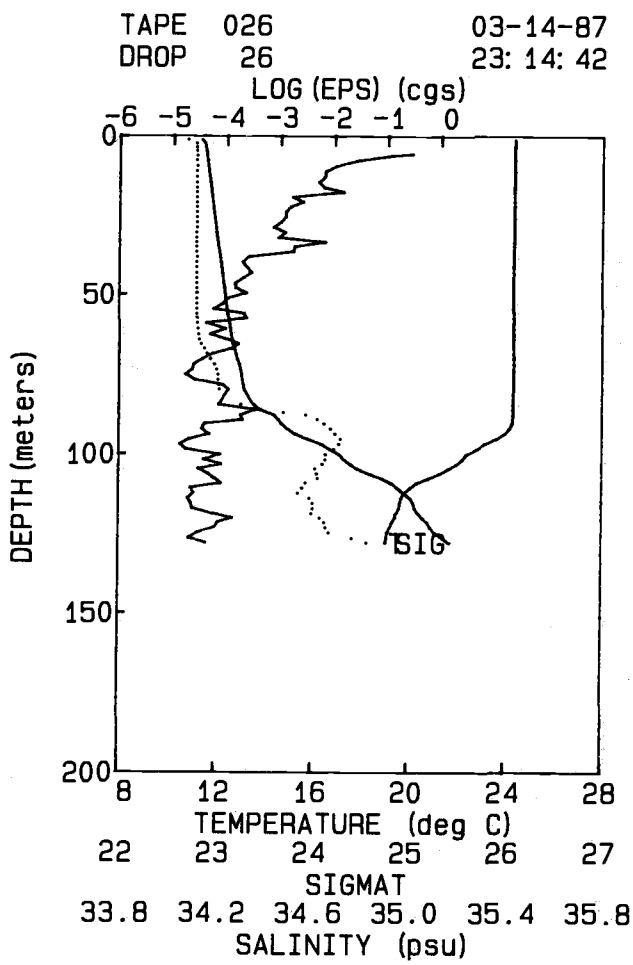
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
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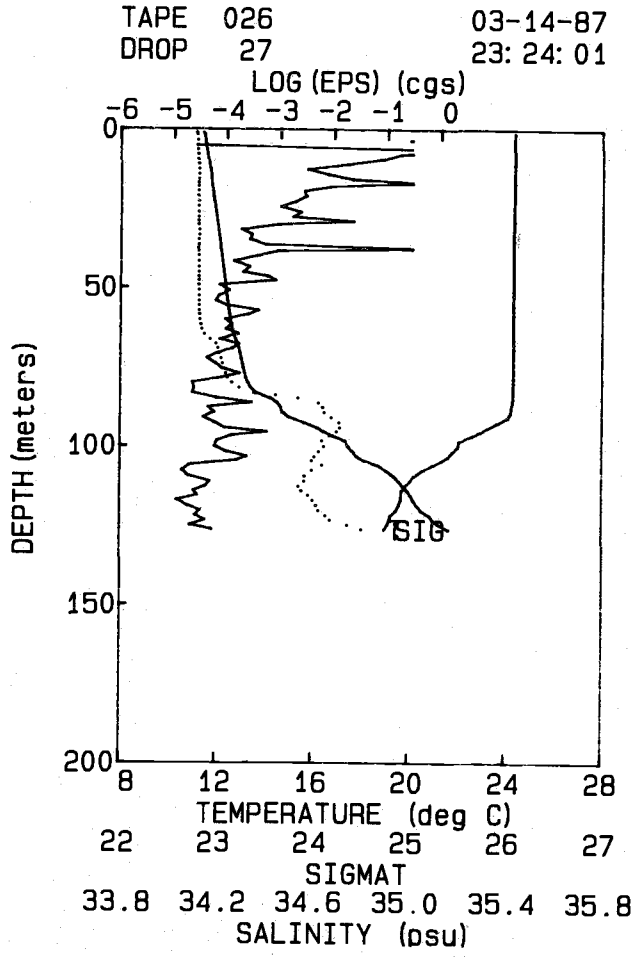
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-14-87
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DEPTH (meters)
0
50
100
150
200
SIG
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TEMPERATURE (deg C)
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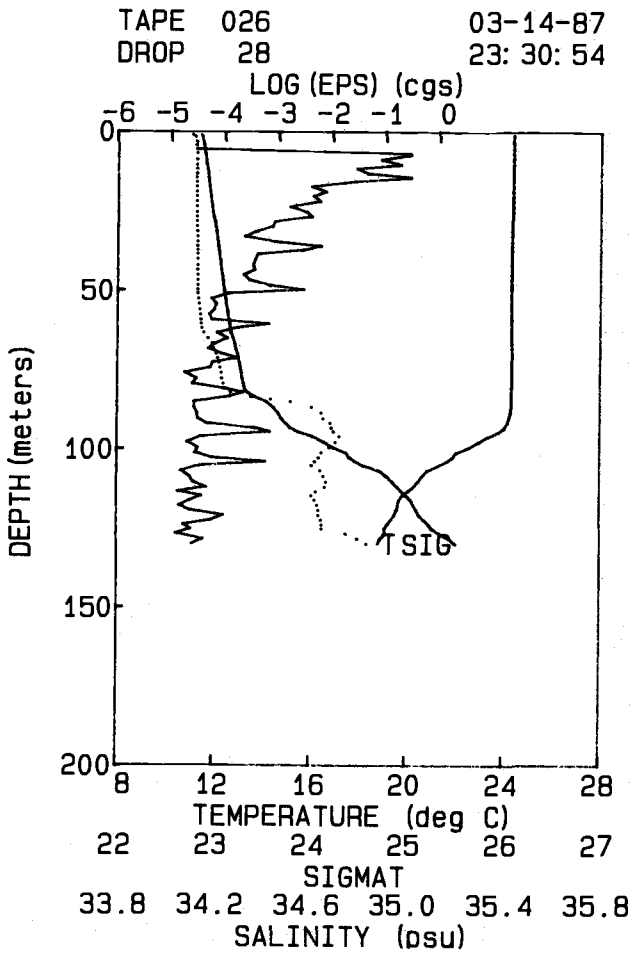
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-14-87
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DEPTH (meters)
0
50
100
150
200
TSIG
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TEMPERATURE (deg C)
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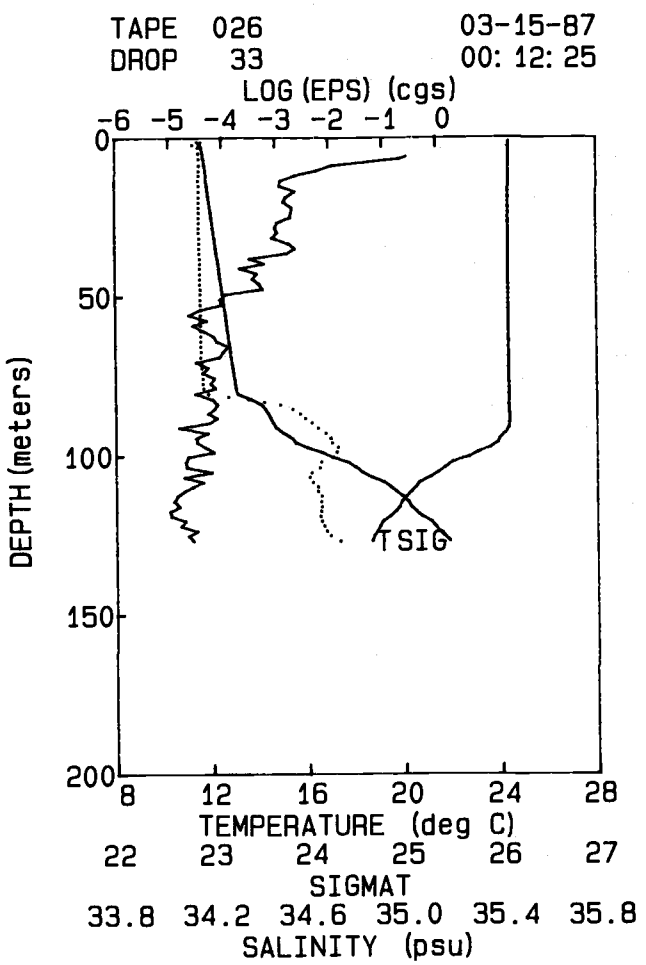
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-15-87
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DEPTH (meters)
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50
100
150
200
T
SIG
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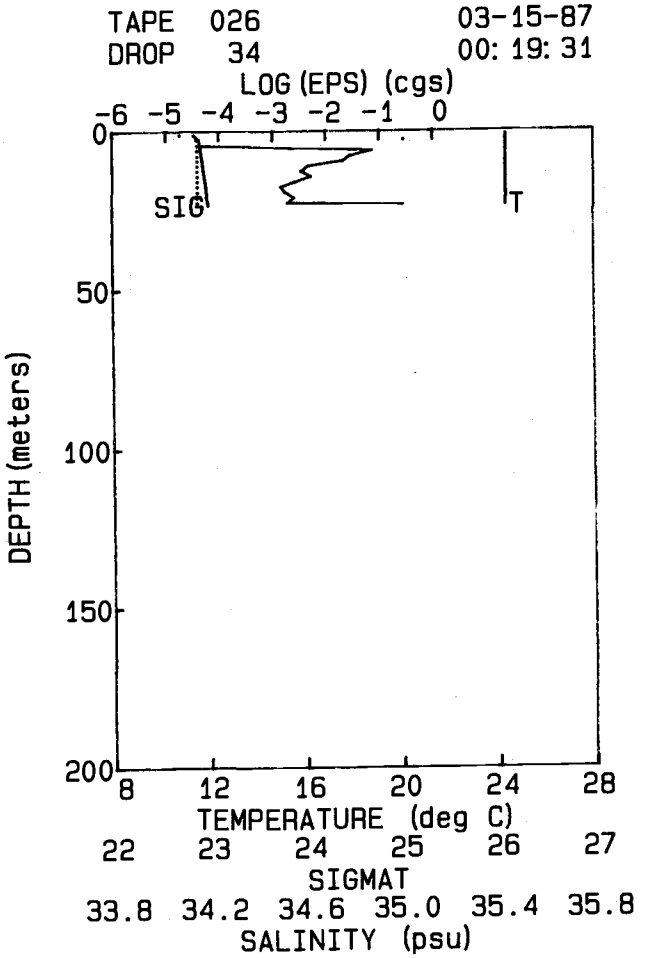
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
T
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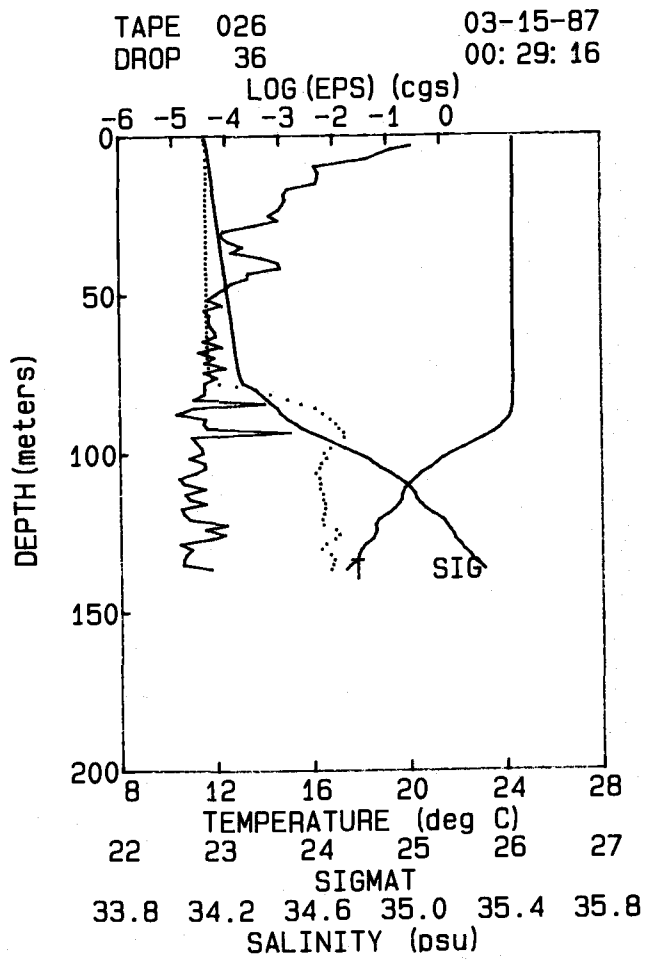
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-15-87
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DEPTH (meters)
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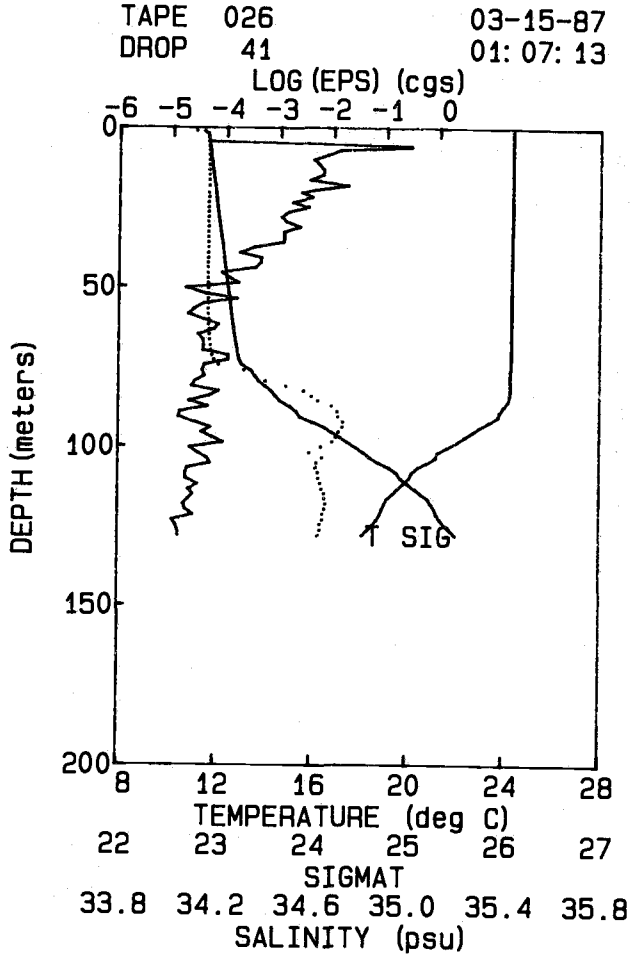
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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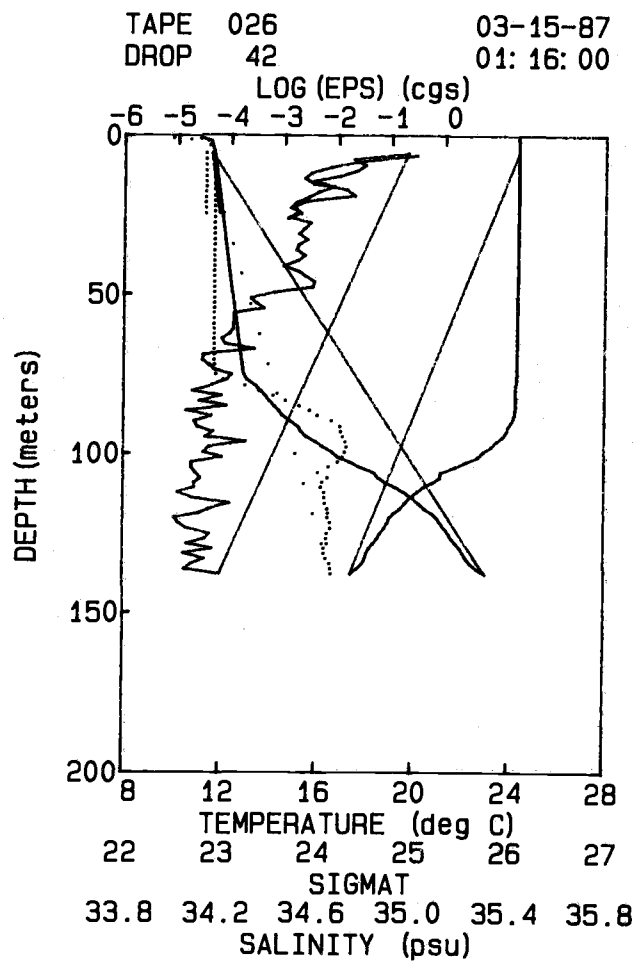
03-15-87
01: 07: 13
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
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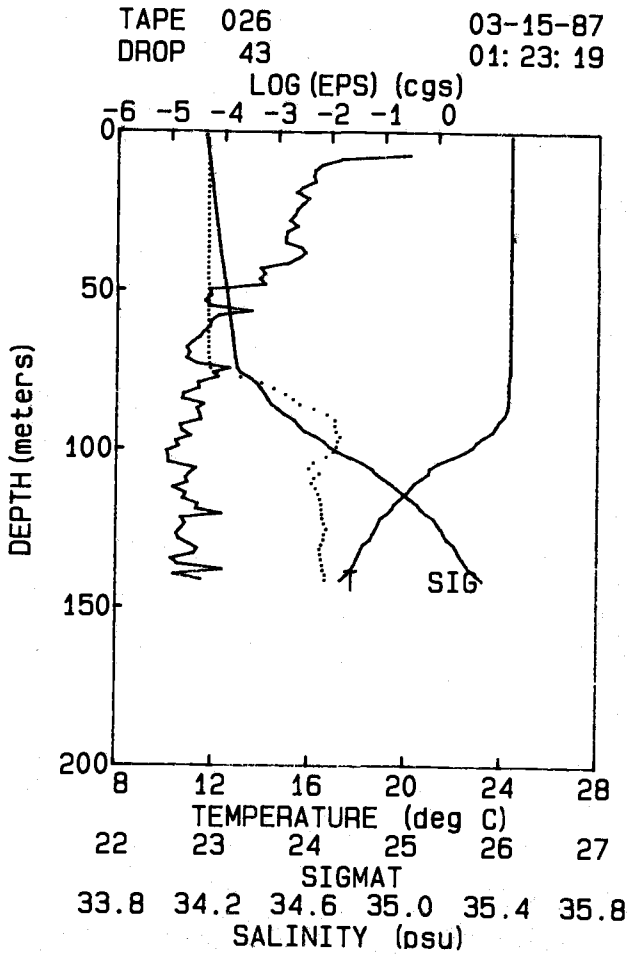
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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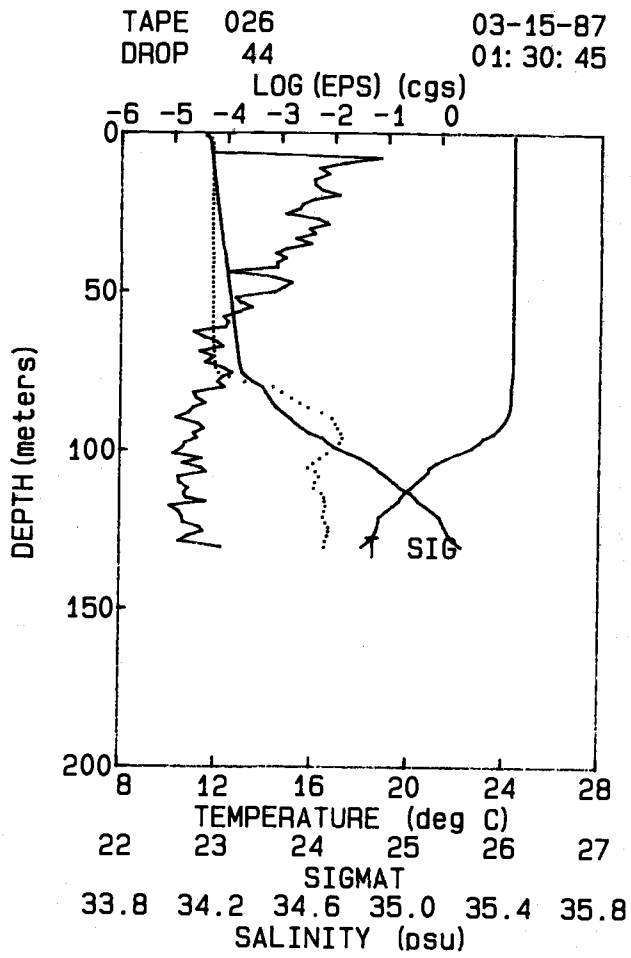
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-15-87
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DEPTH (meters)
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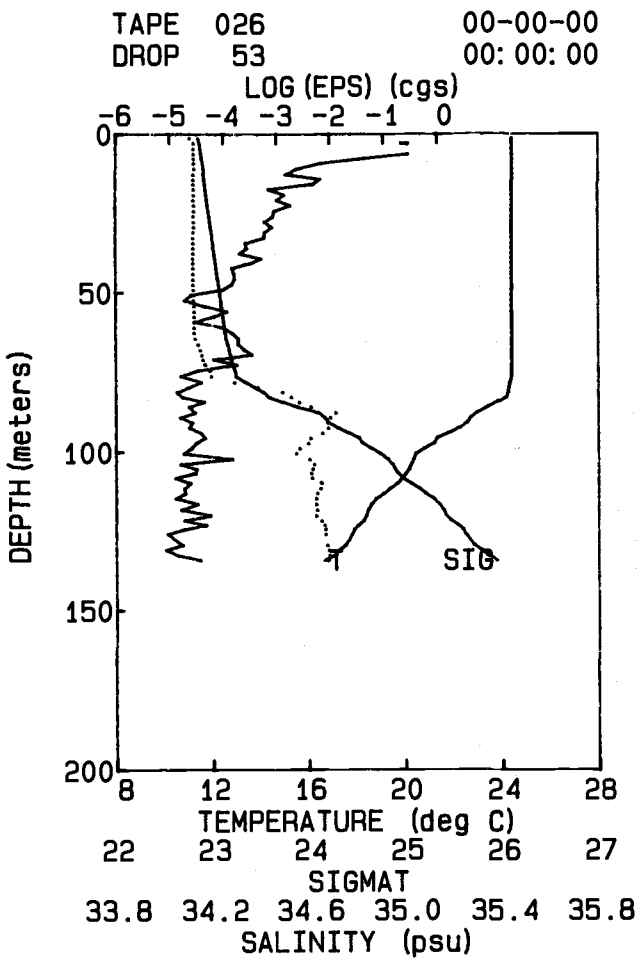
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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00-00-00
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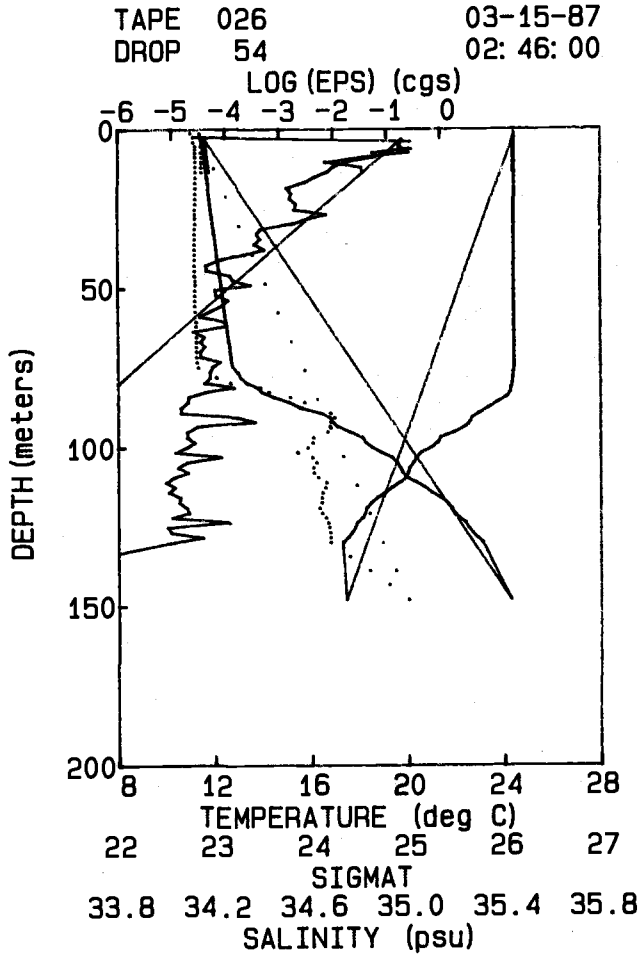
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
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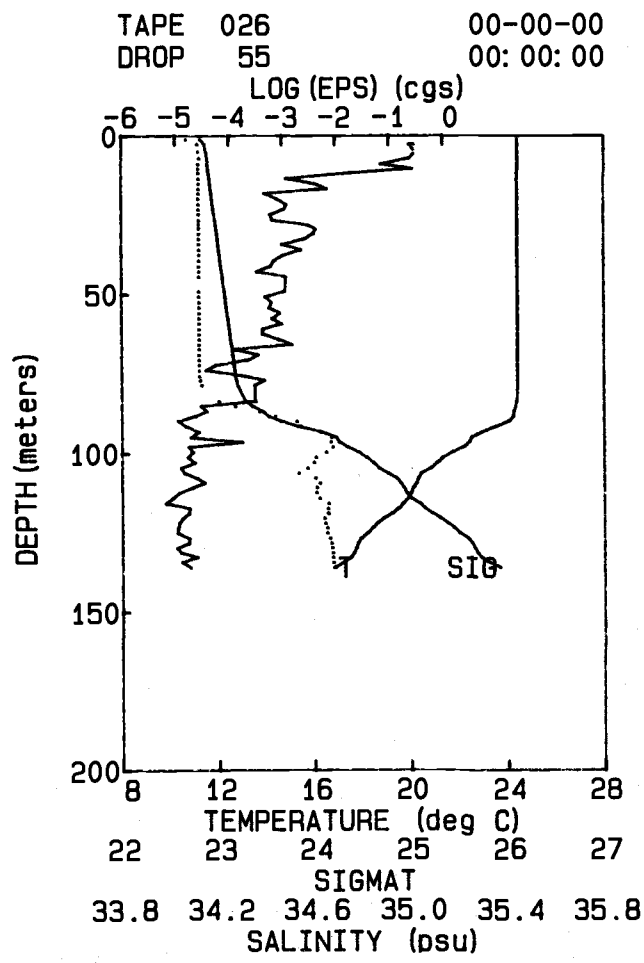
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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00-00-00
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DEPTH (meters)
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50
100
150
200
SIG
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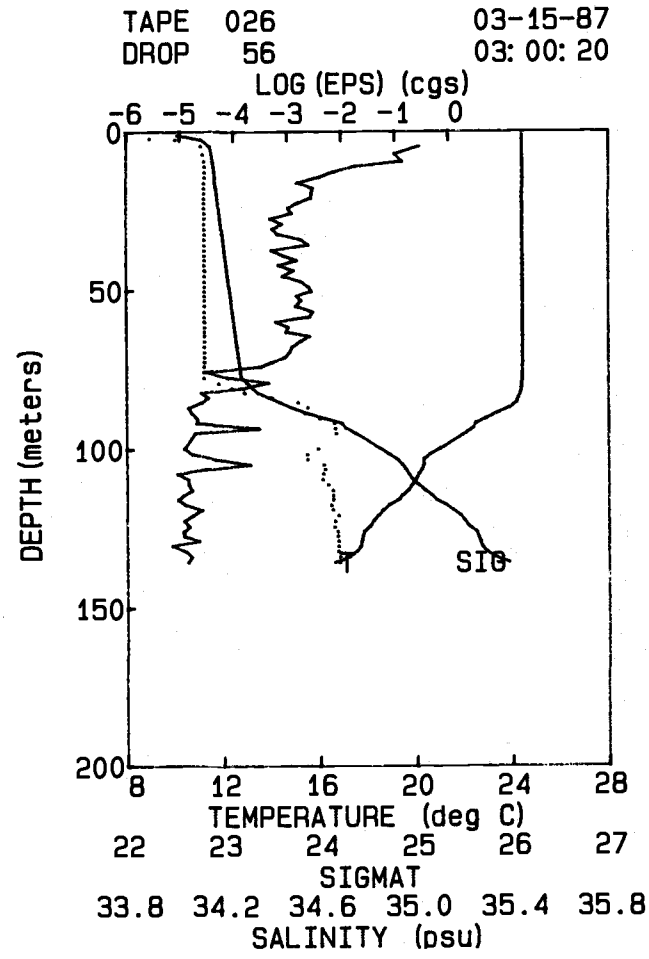
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-15-87
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DEPTH (meters)
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50
100
150
200
SIG
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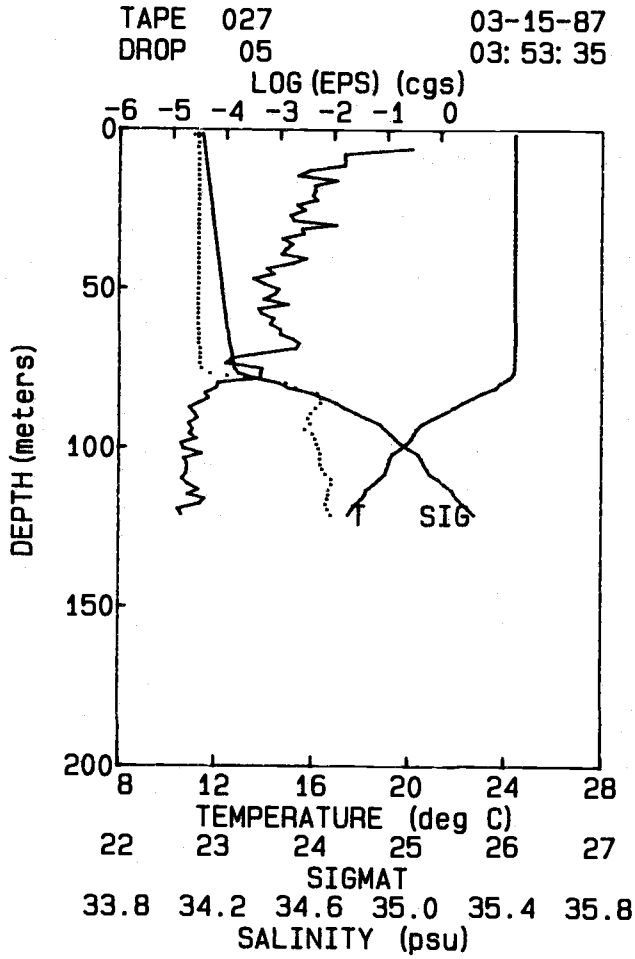
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 05
03-15-87
03: 53: 35
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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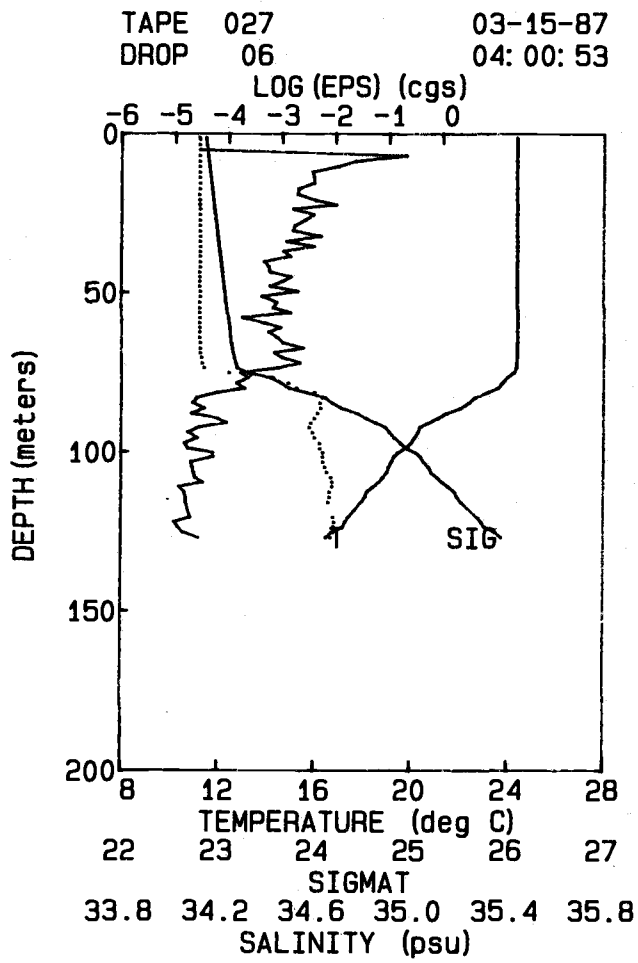
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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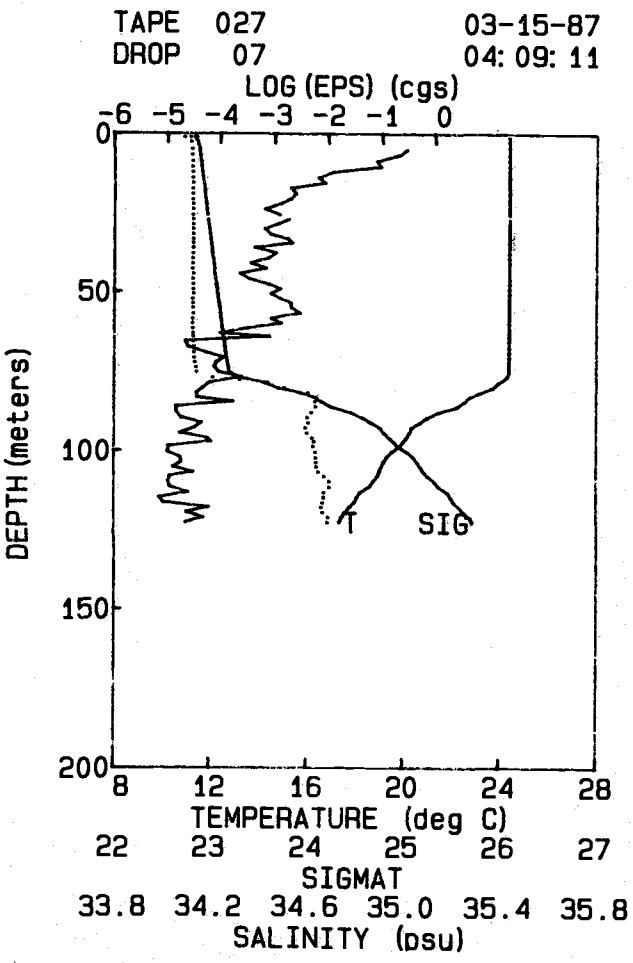
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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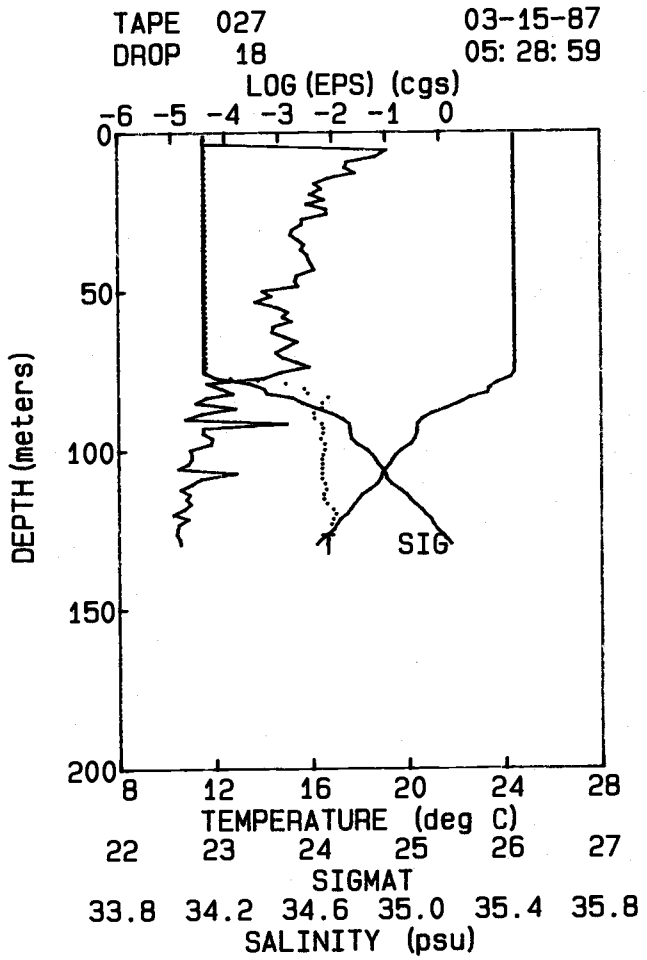
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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50
100
150
200
DEPTH (meters)
SIG
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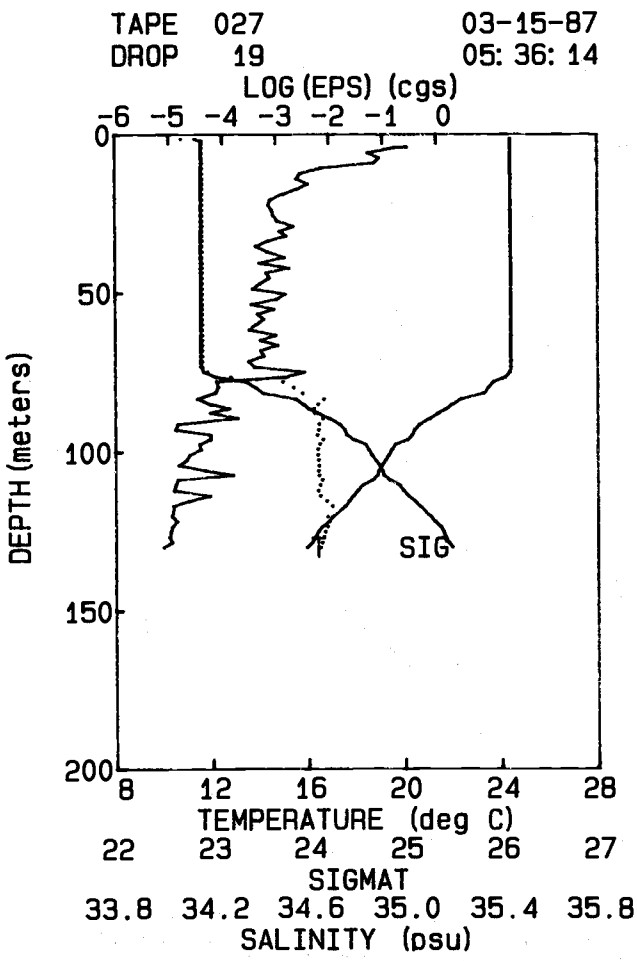
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 19
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LOG (EPS) (cgs)
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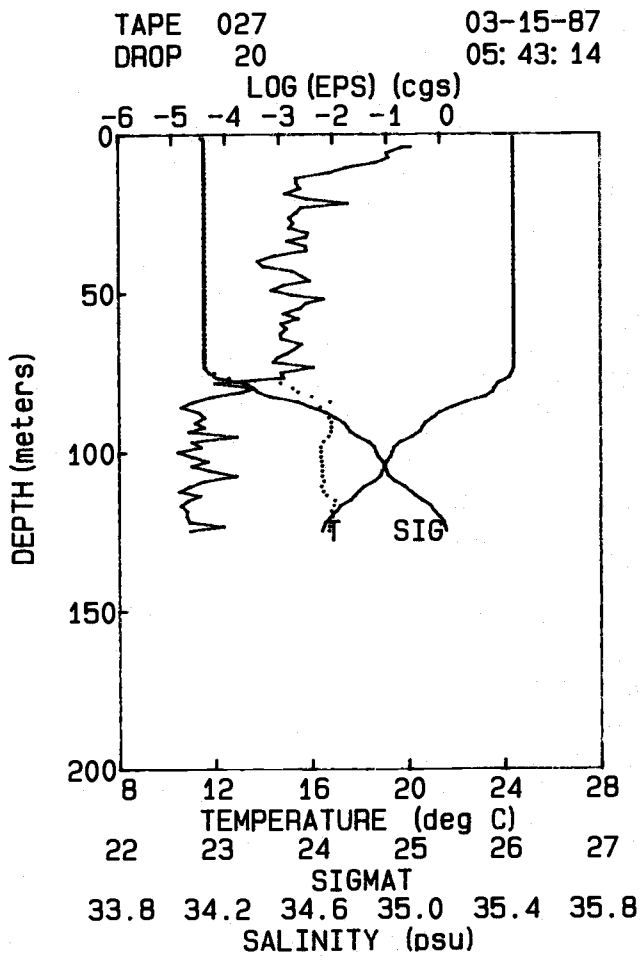
0
50
100
150
200
DEPTH (meters)
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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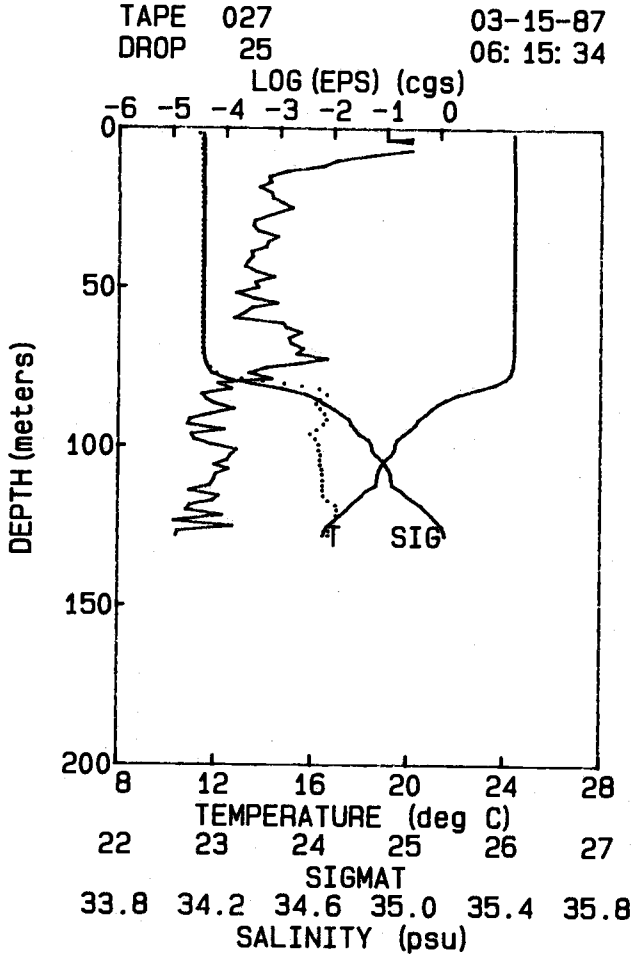
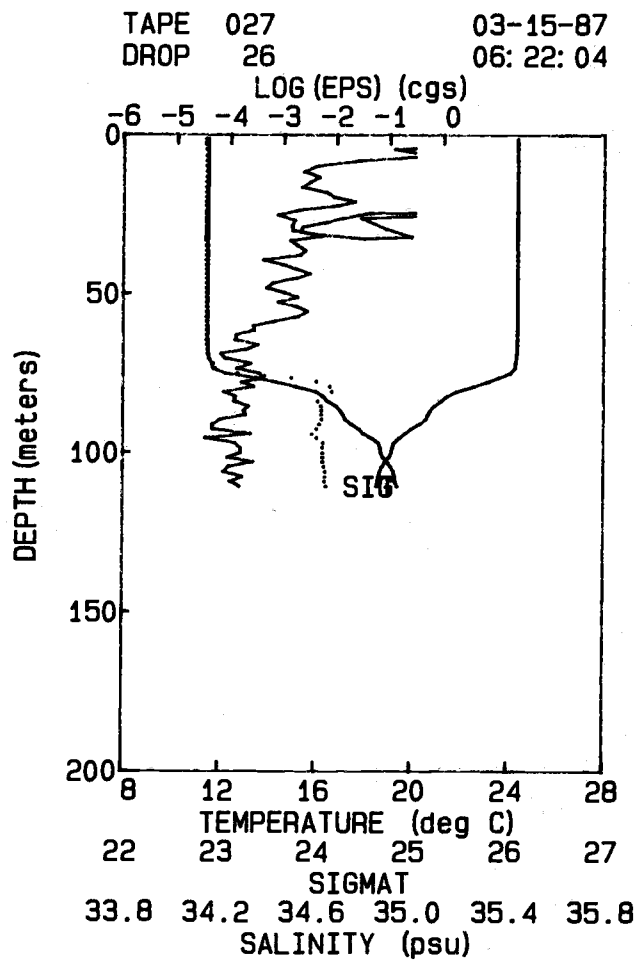
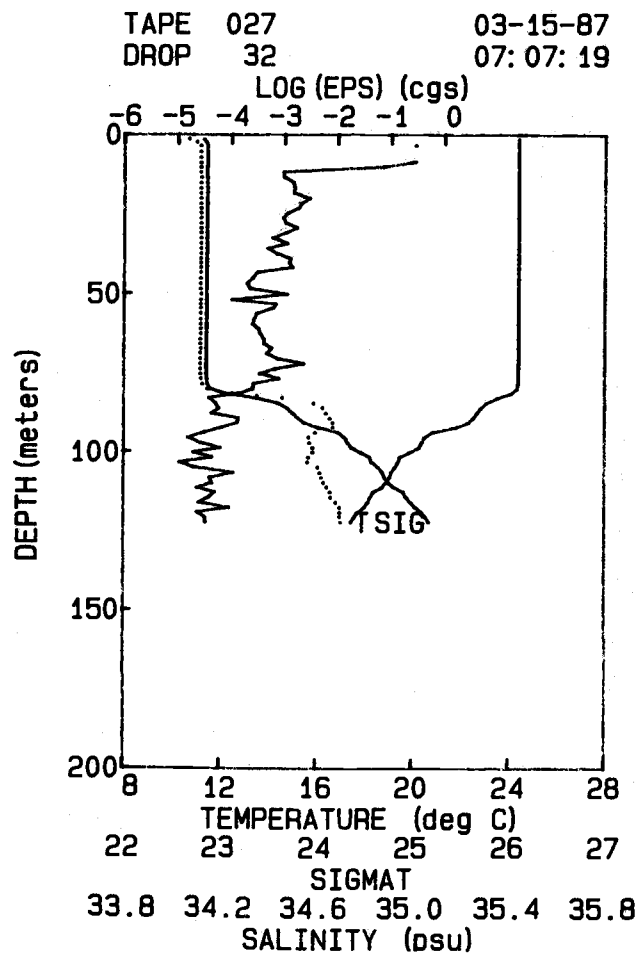
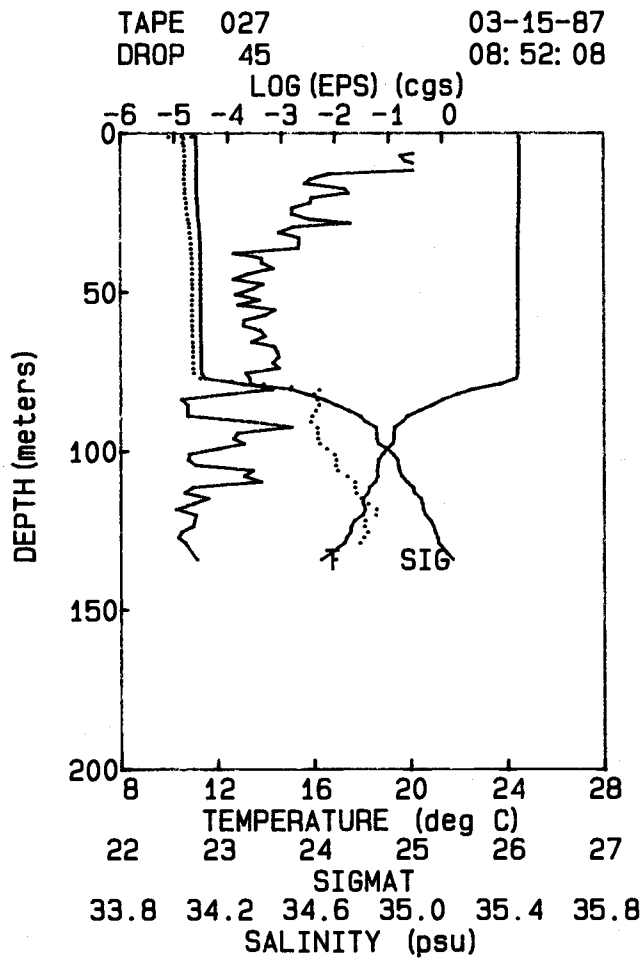
50
100
150
200
DEPTH (meters)
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)




DEPTH (meters)

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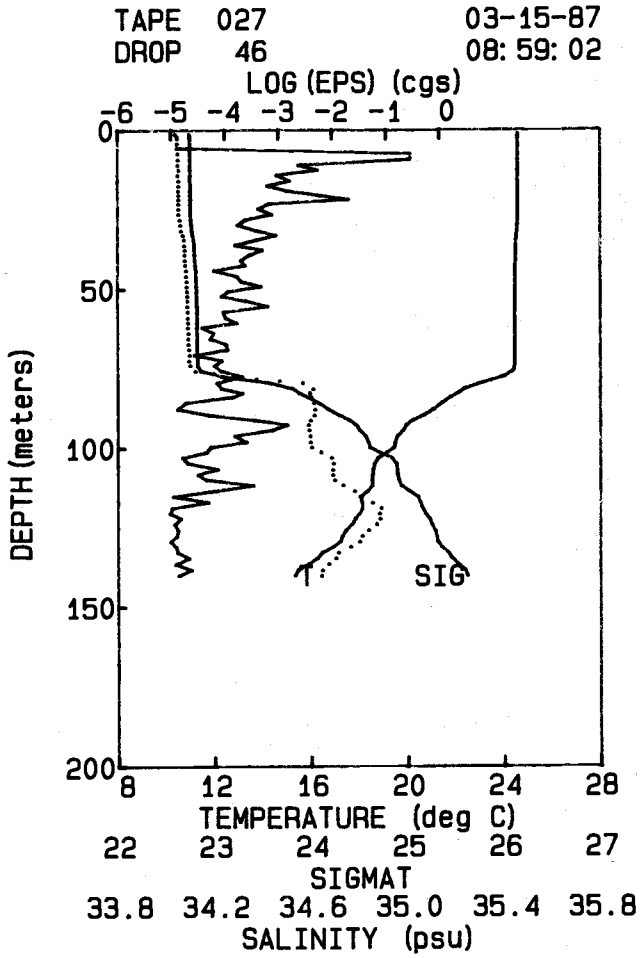
DEPTH (meters)
0
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-15-87
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DEPTH (meters)
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50
100
150
200
SIG
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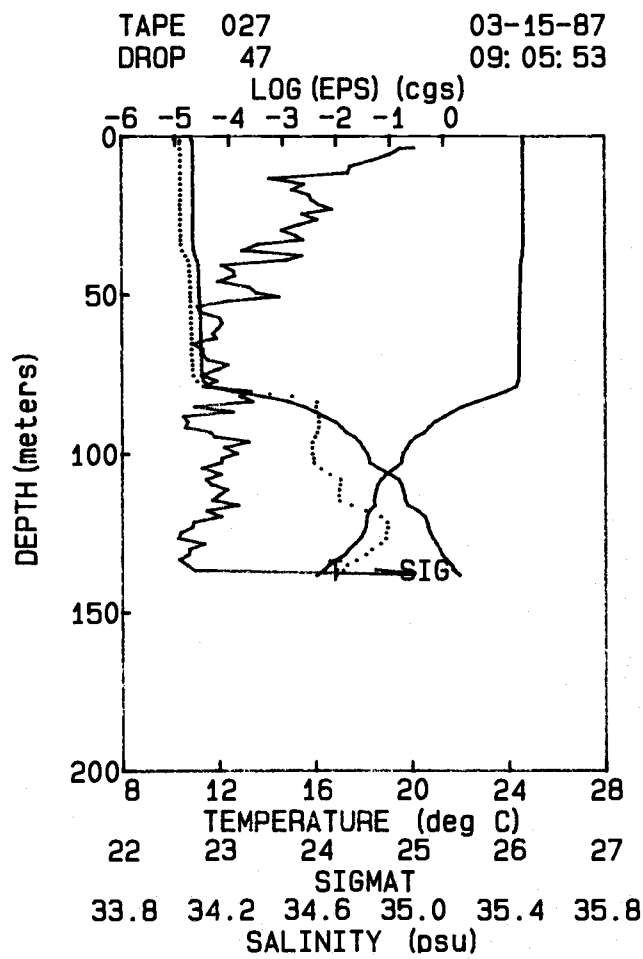
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
SIG
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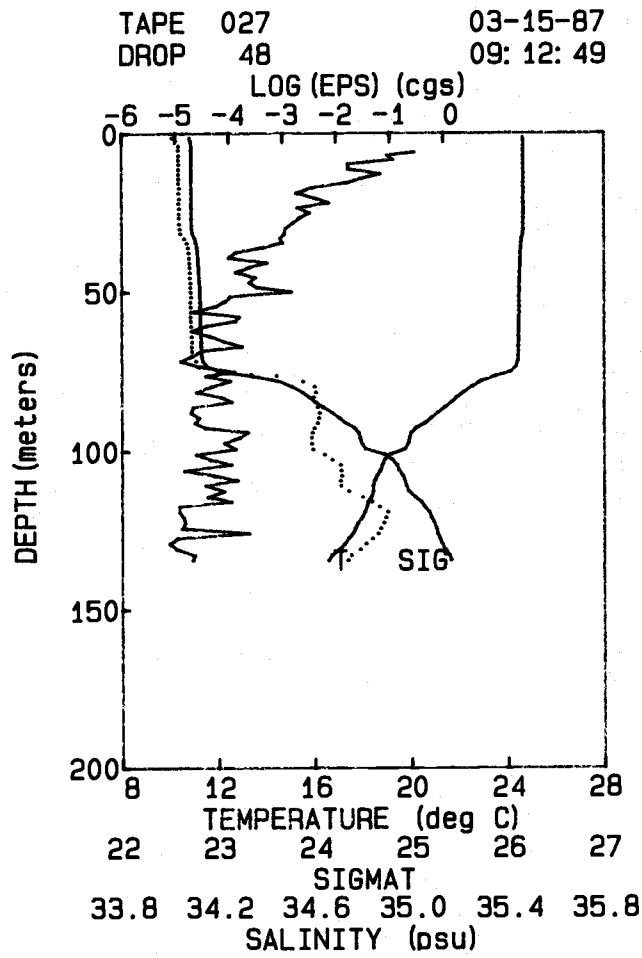
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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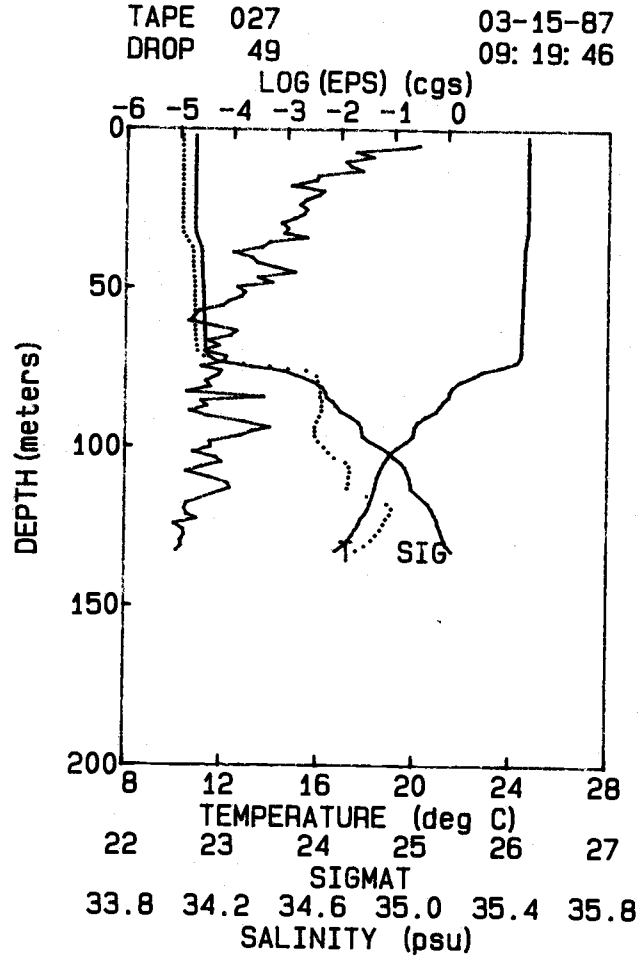
SALINITY (psu)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100
150
200
SIG
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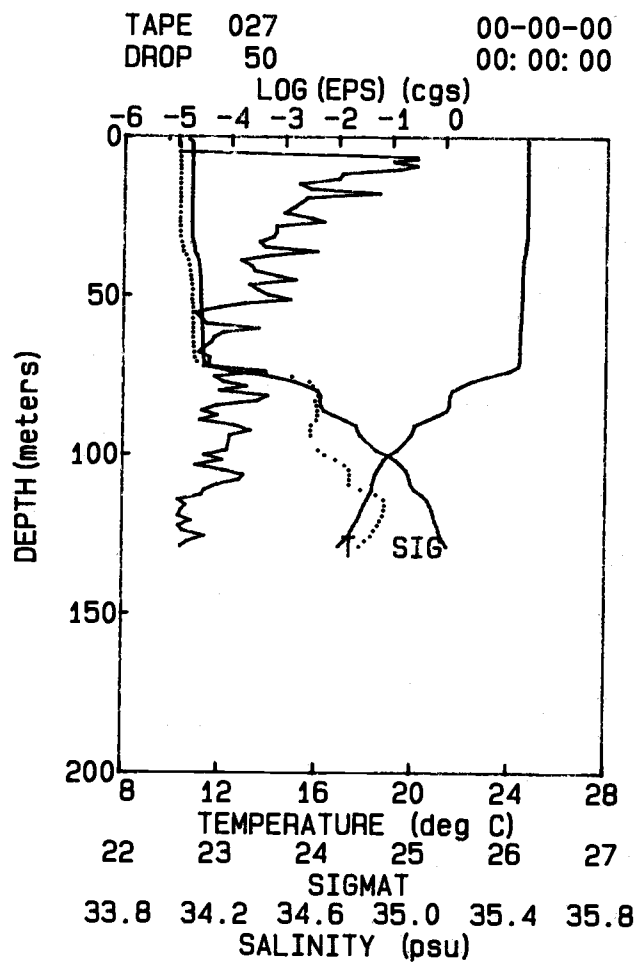
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
SIG
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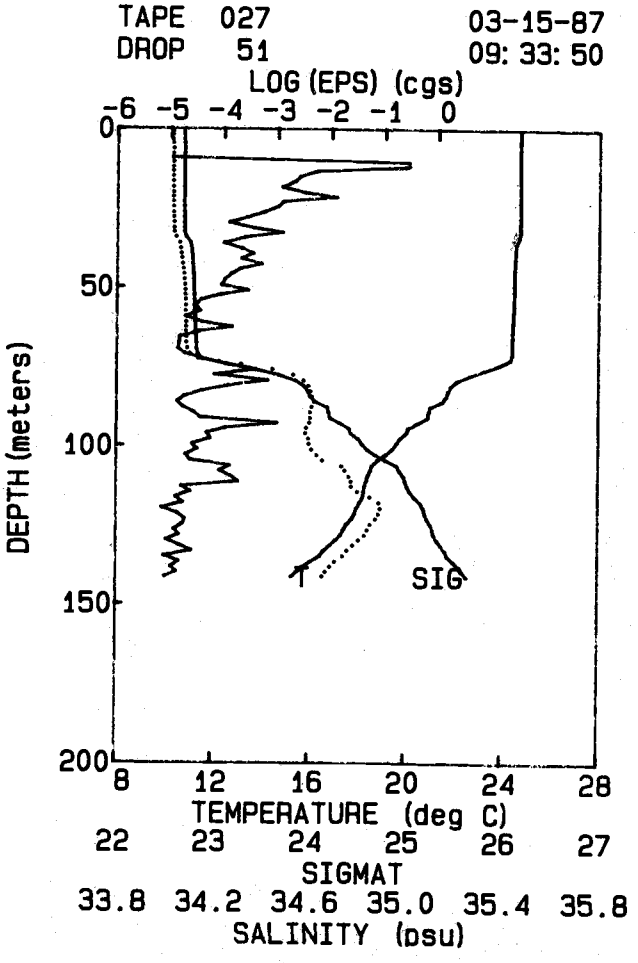
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
SIG
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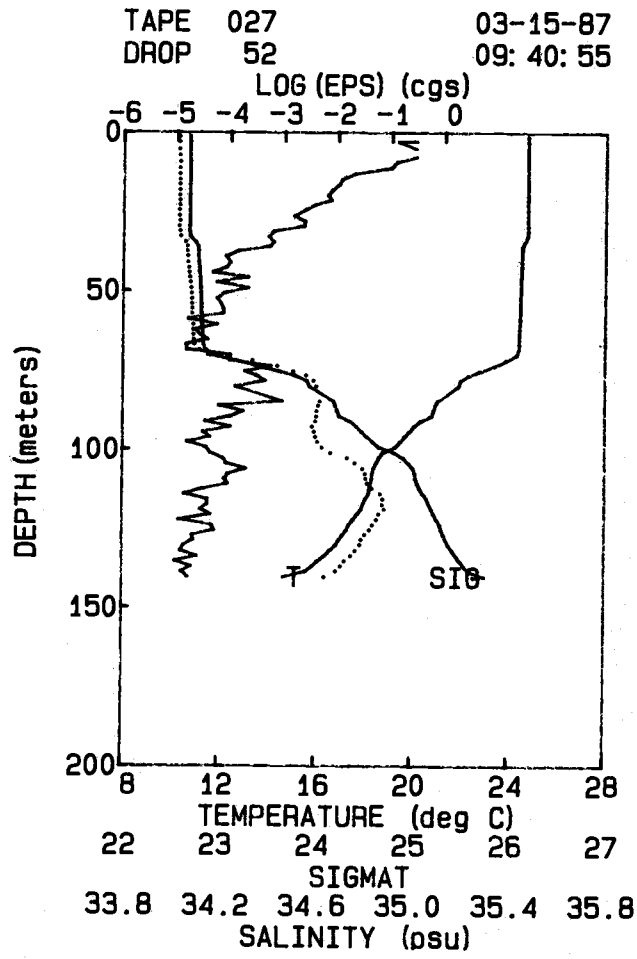
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
SIG
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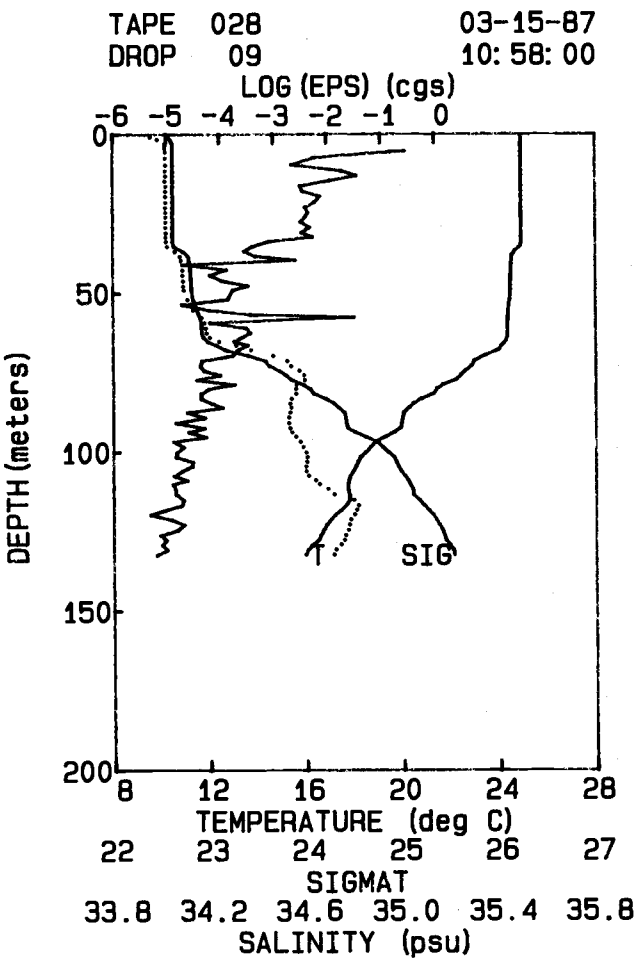
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-15-87
10: 58: 00
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DEPTH (meters)
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50
100
150
200
T
SIG
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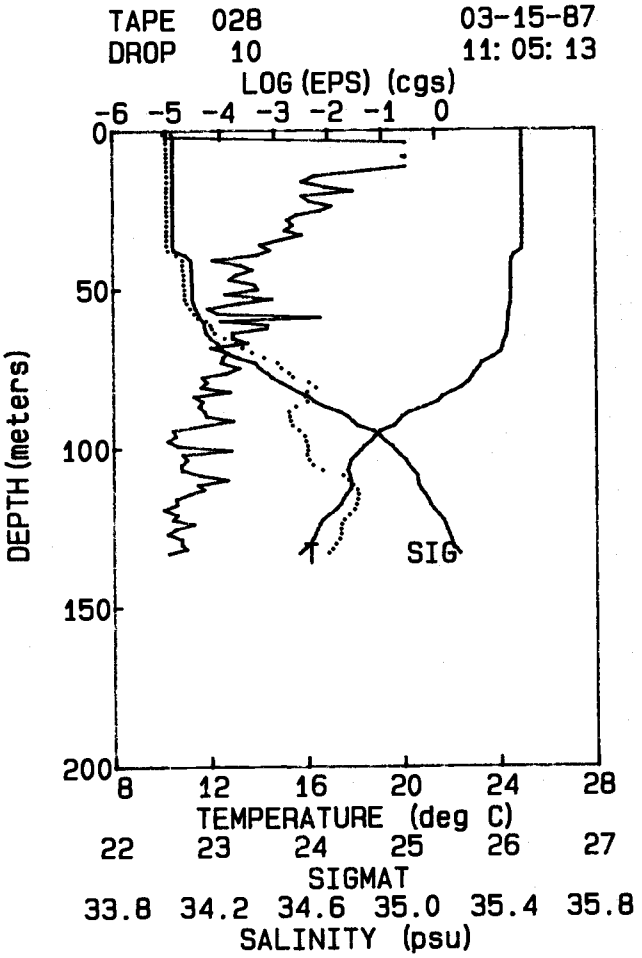
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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11: 05: 13
LOG (EPS) (cgs)
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DEPTH (meters)
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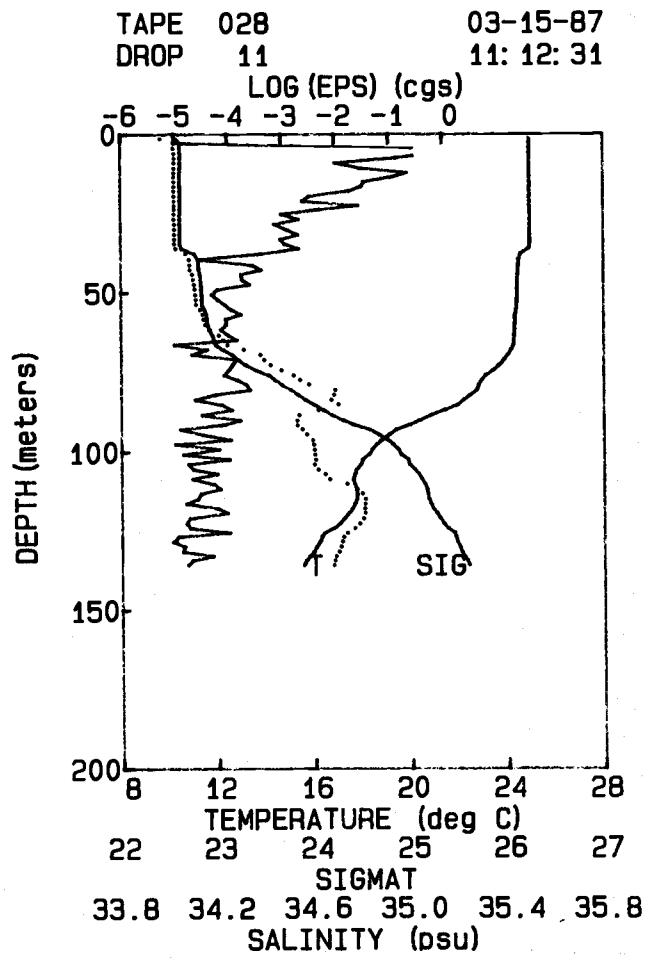
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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11: 12: 31
LOG (EPS) (cgs)
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DEPTH (meters)
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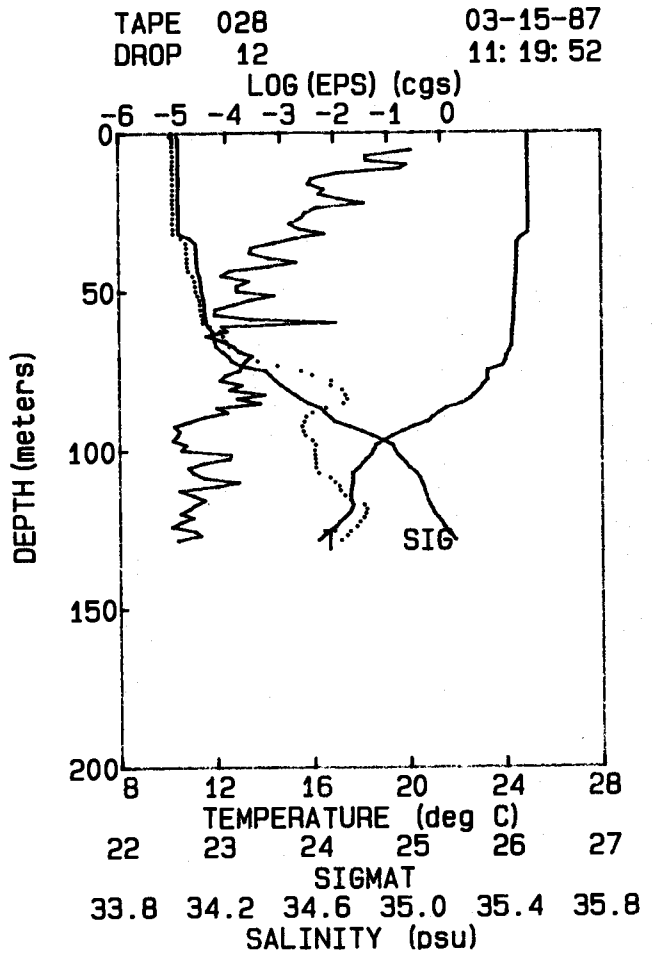
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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11: 19: 52
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DEPTH (meters)
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50
100
150
200
T
SIG
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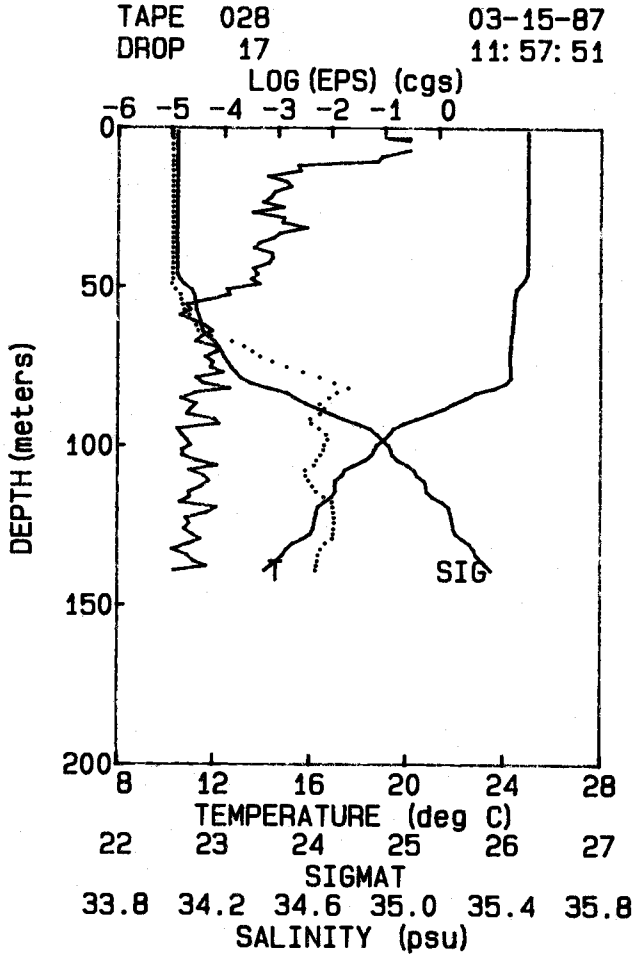
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
SIG
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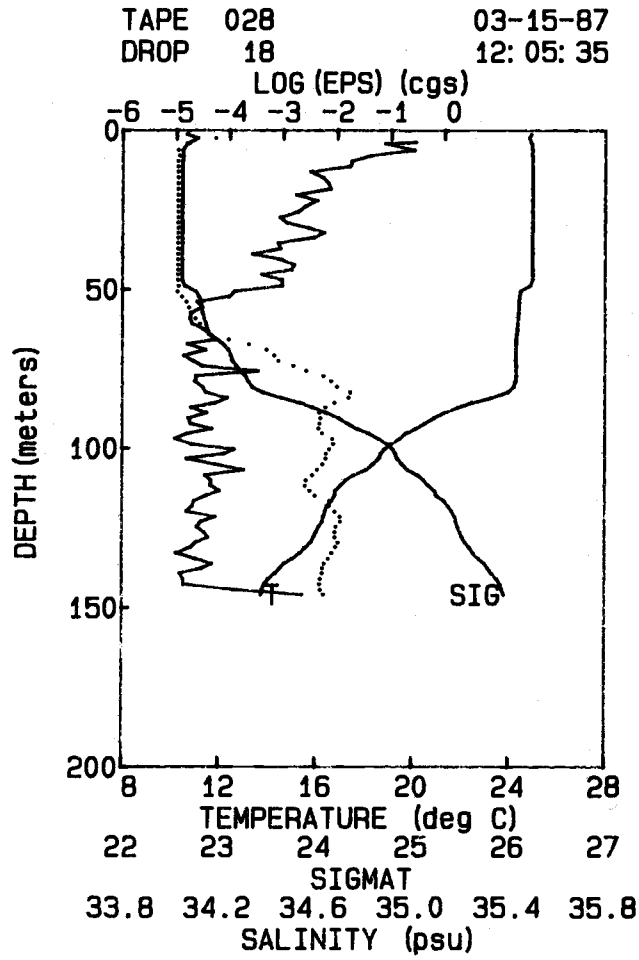
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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12:05:35
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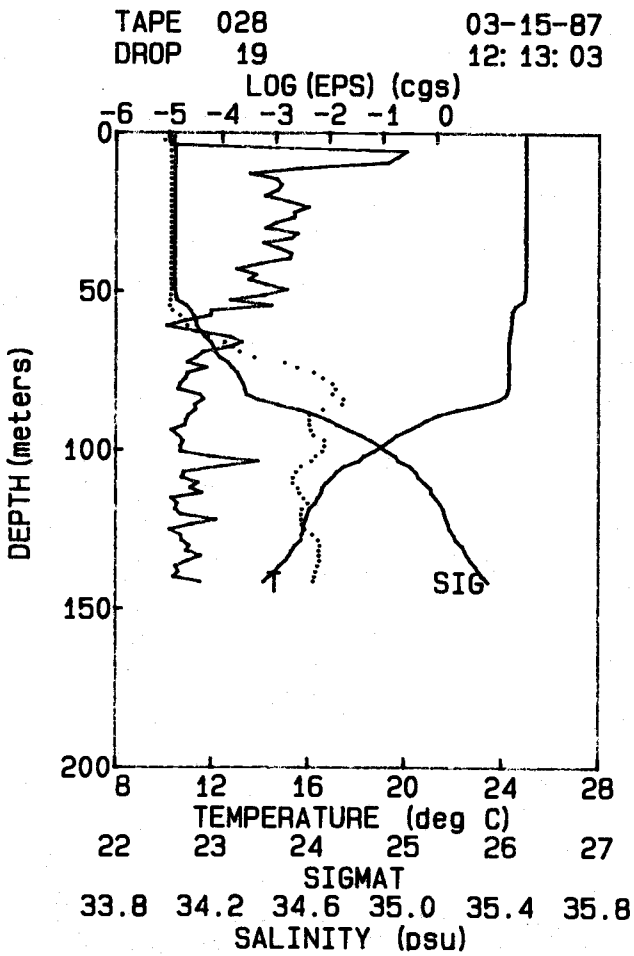
50
100
150
200
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
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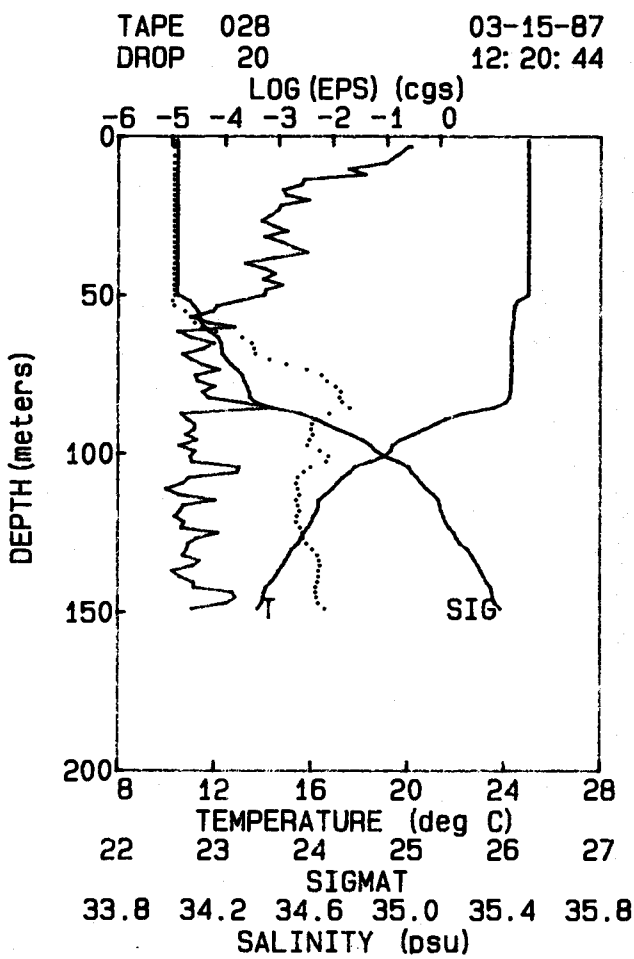
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100
150
200
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TEMPERATURE (deg C)
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SIGMAT
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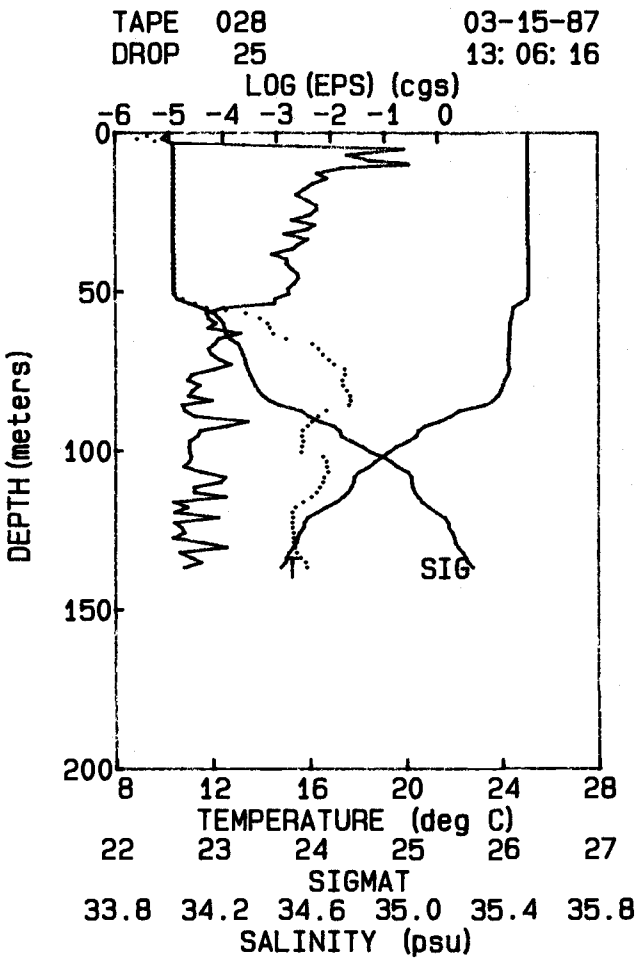
SALINITY (psu)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150
200
DEPTH (meters)
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SIGMAT
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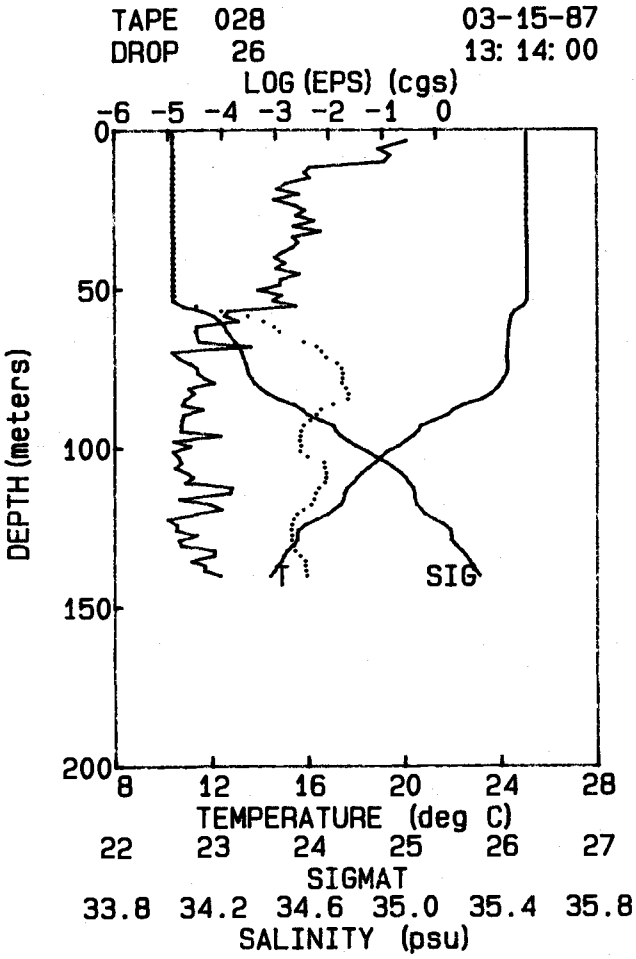
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150
200
DEPTH (meters)
SIG
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SIGMAT
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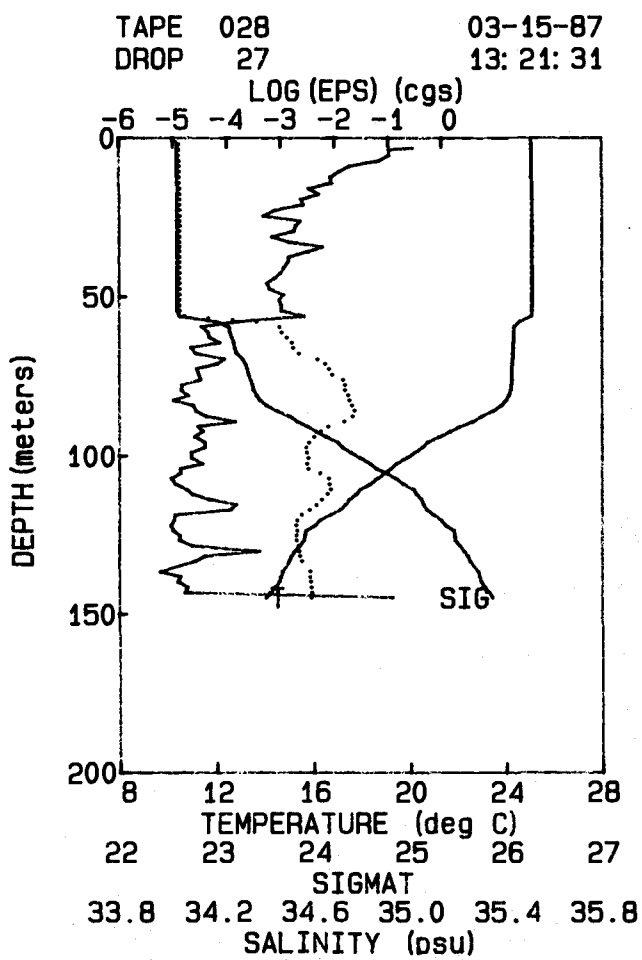
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150
200
DEPTH (meters)
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TEMPERATURE (deg C)
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SIGMAT
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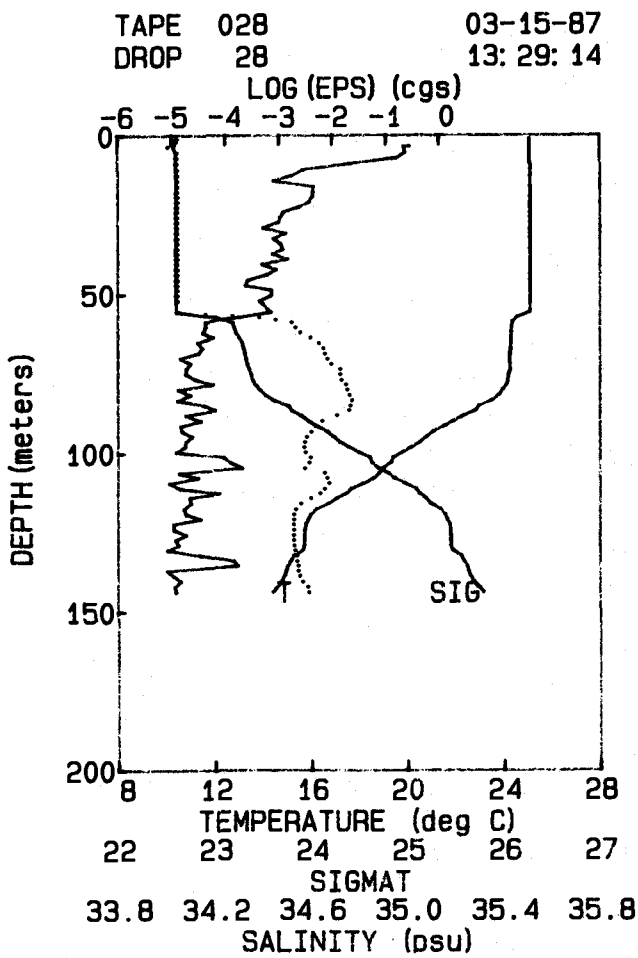
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150
200
DEPTH (meters)
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SIGMAT
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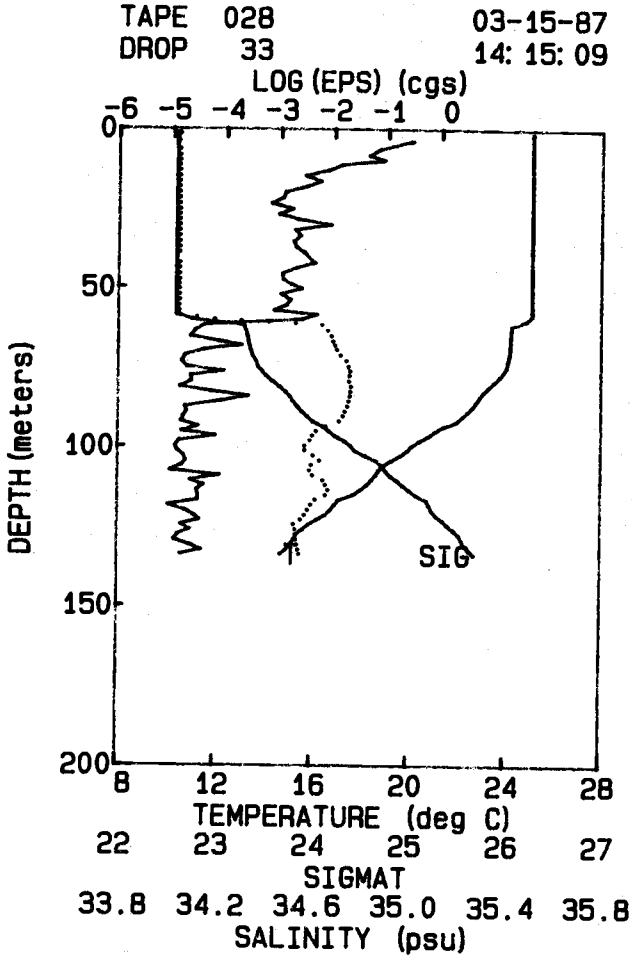
SALINITY (psu)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SIGMAT
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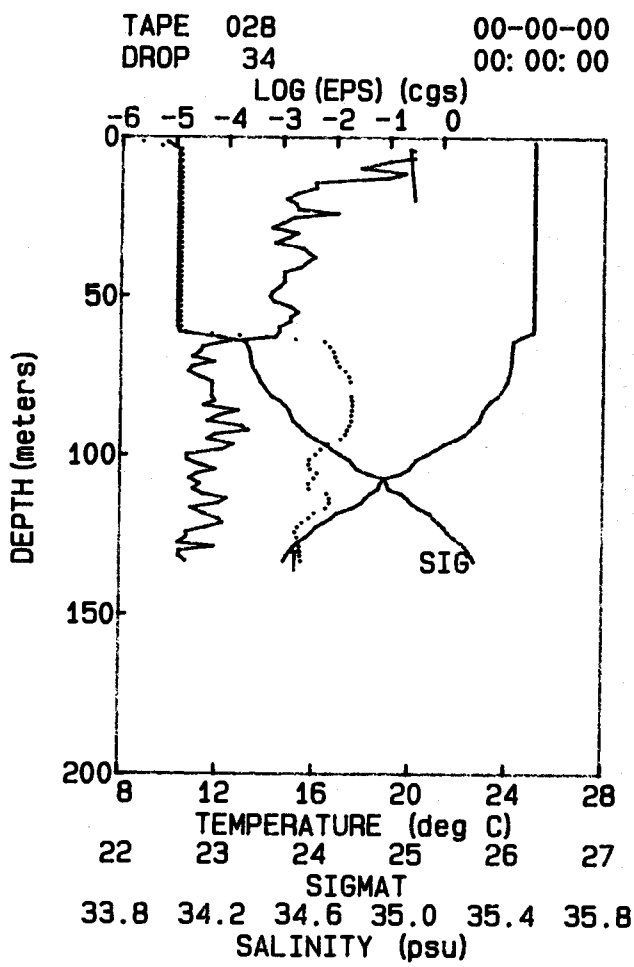
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SIGMAT
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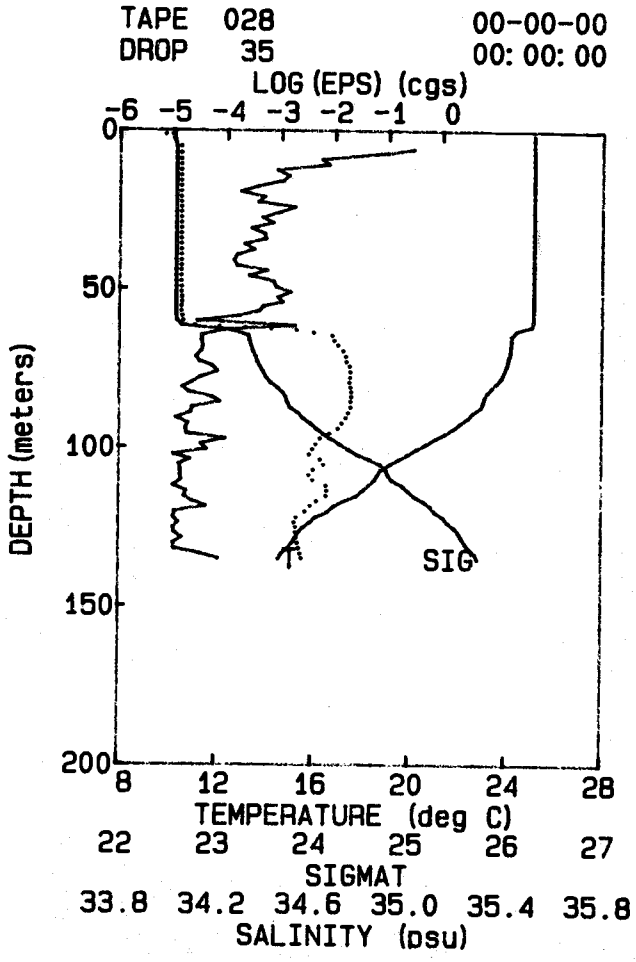
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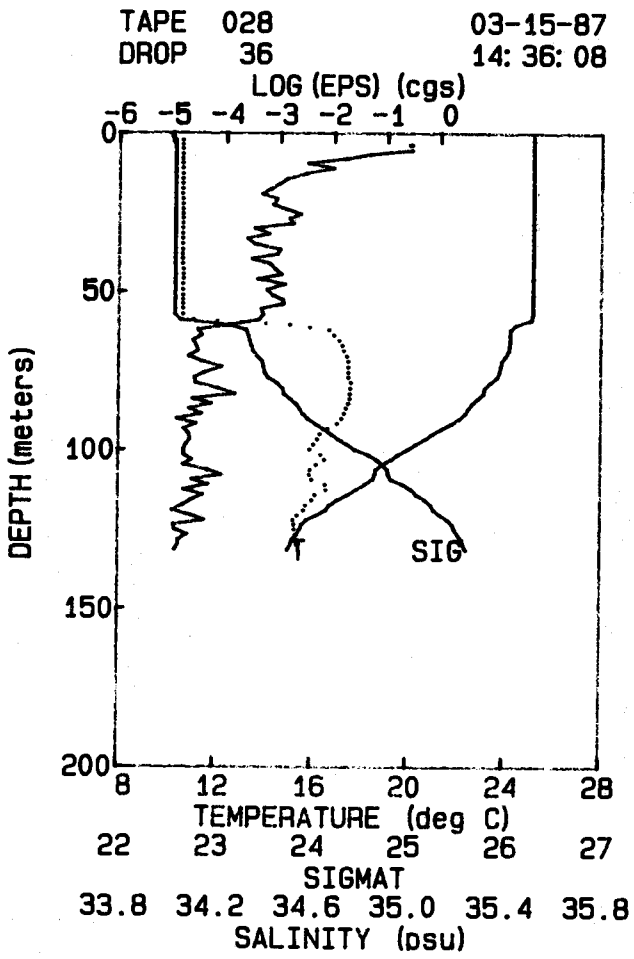
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SIGMAT
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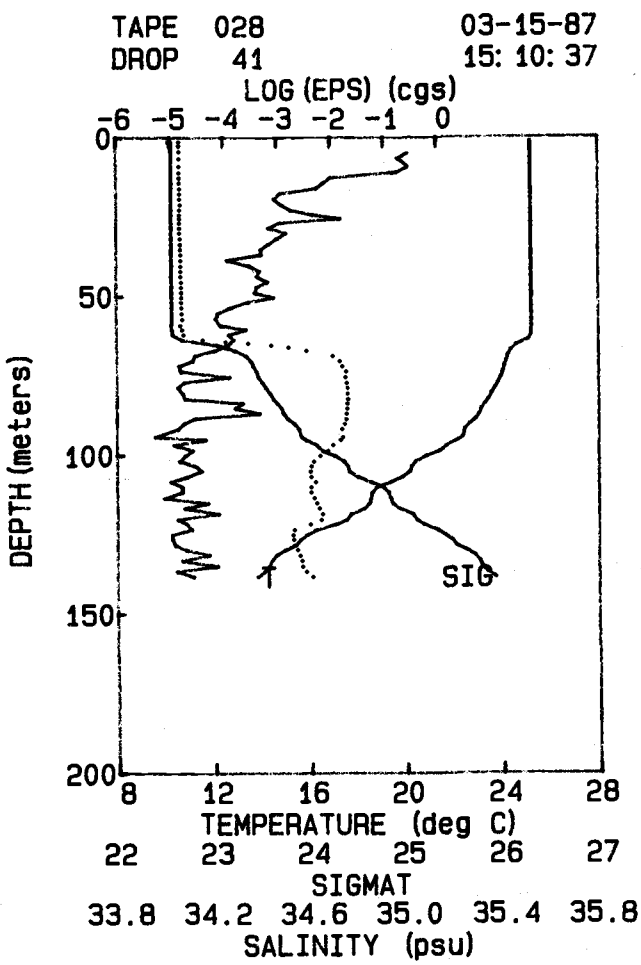
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SIG
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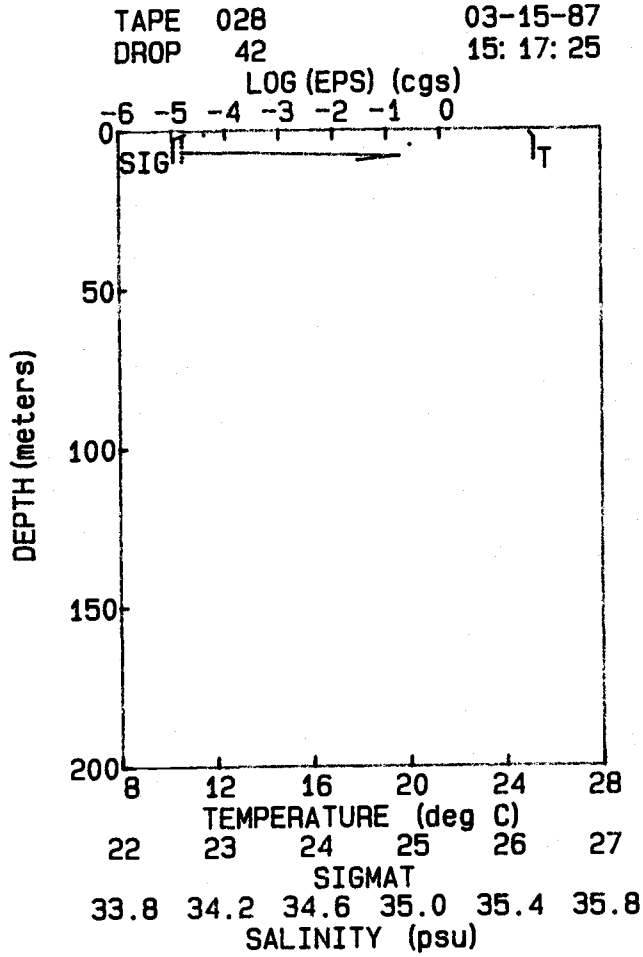
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SIG
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SIGMAT
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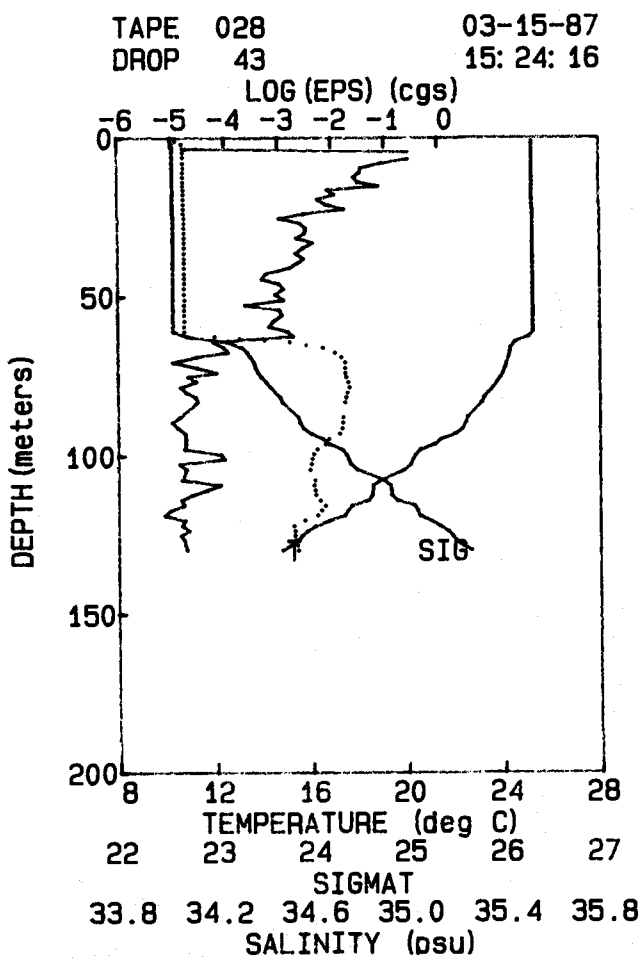
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SIG
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SIGMAT
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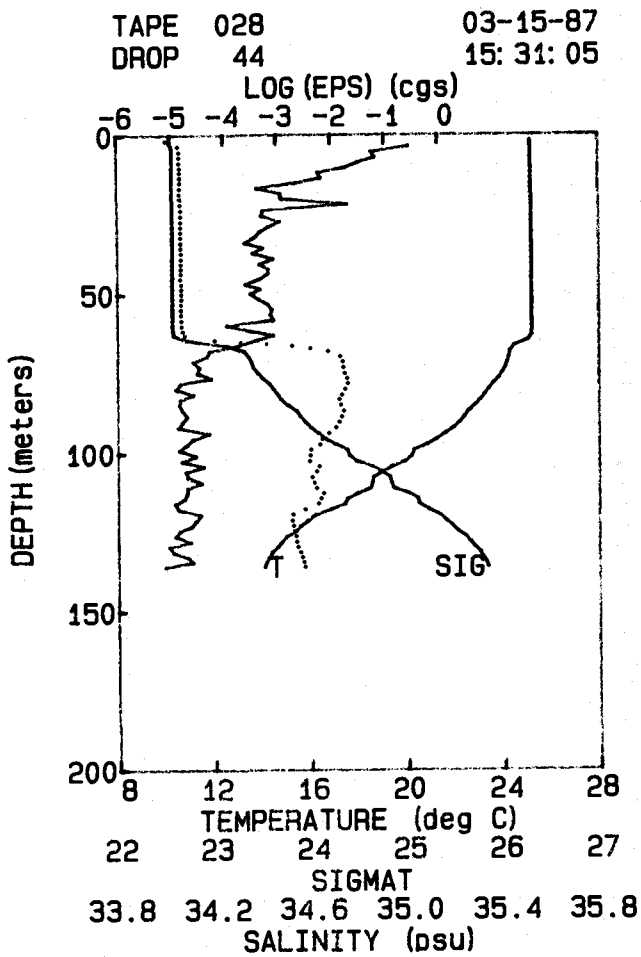
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T
SIG
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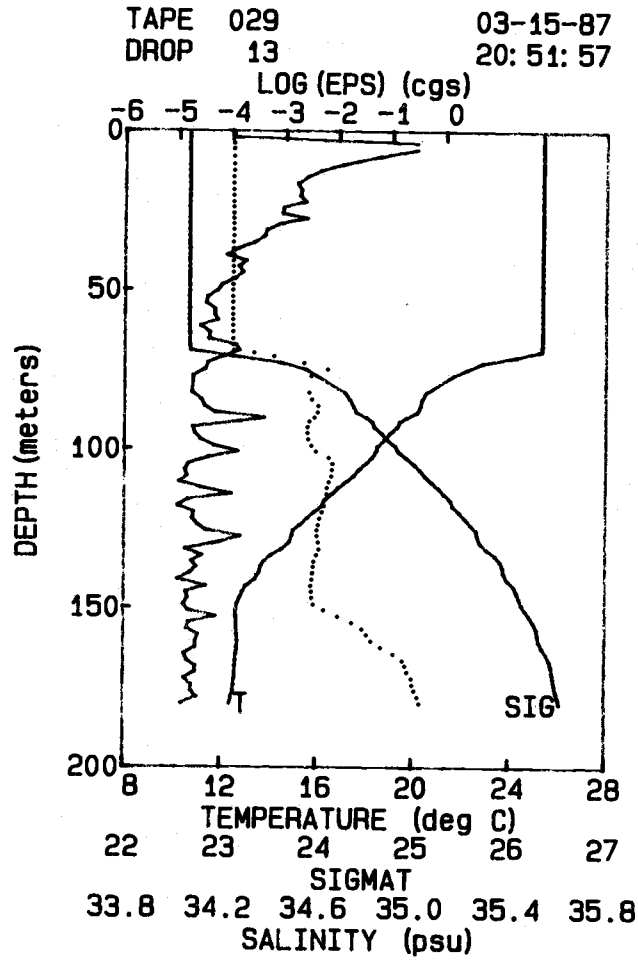
SALINITY (psu)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SIGMAT
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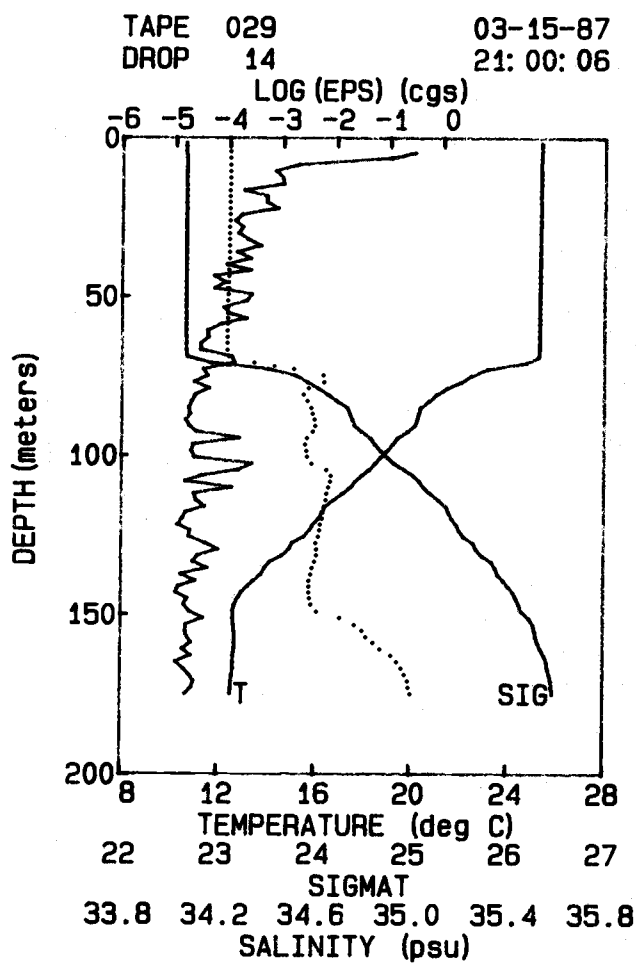
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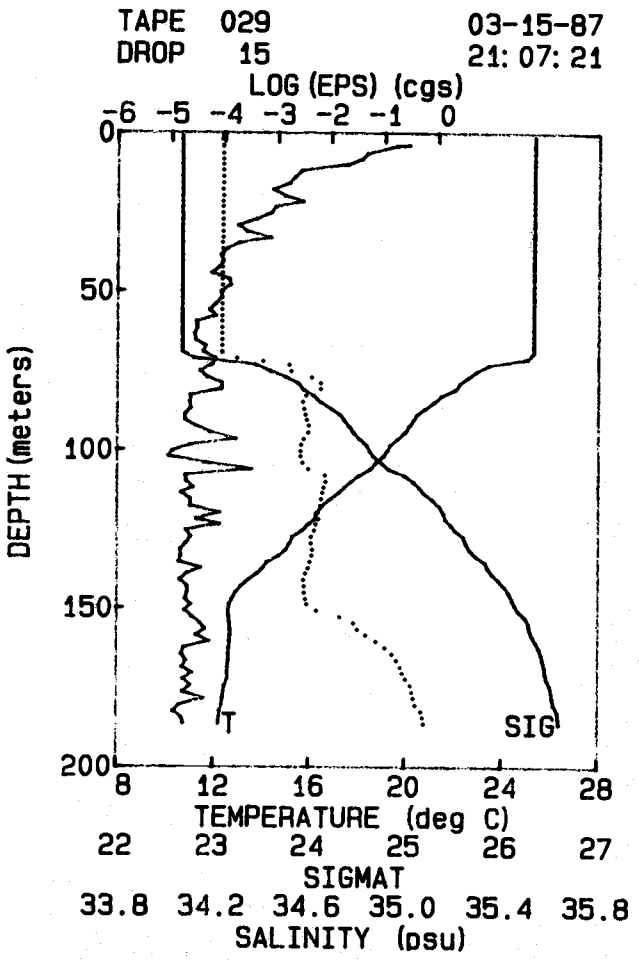
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SIG
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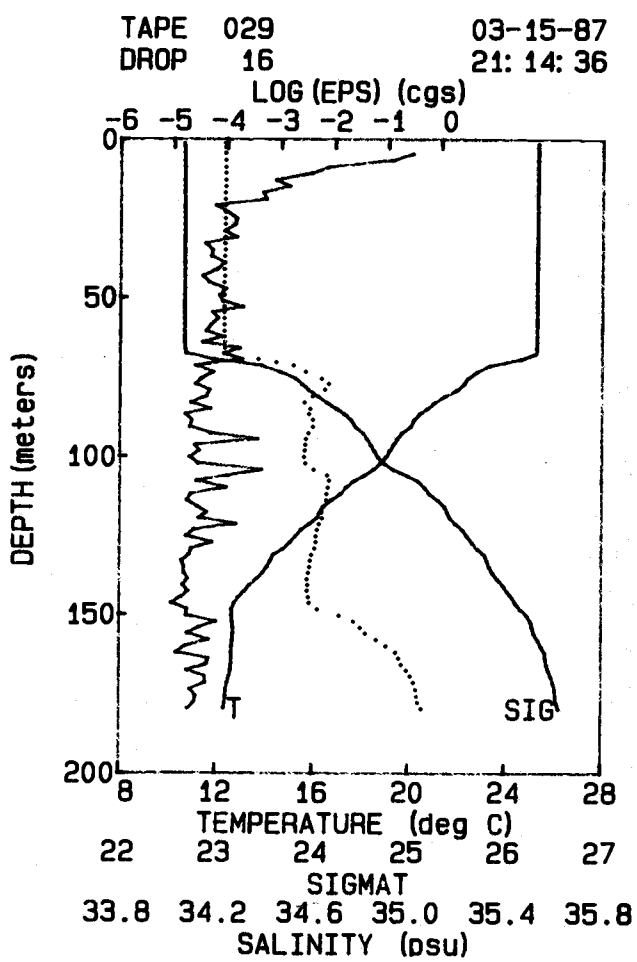
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150
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T
SIG
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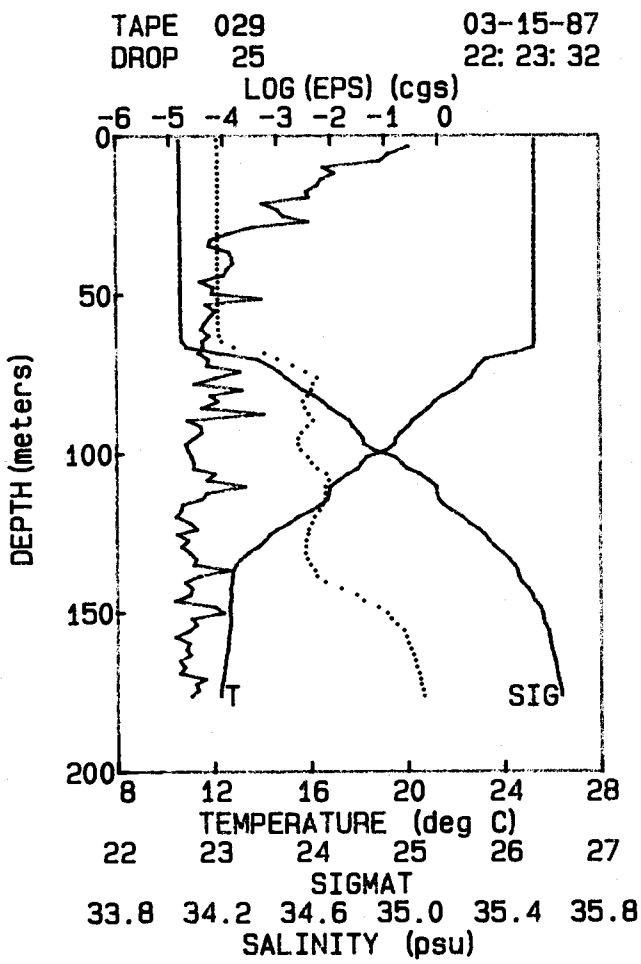
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150
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SIG
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SIGMAT
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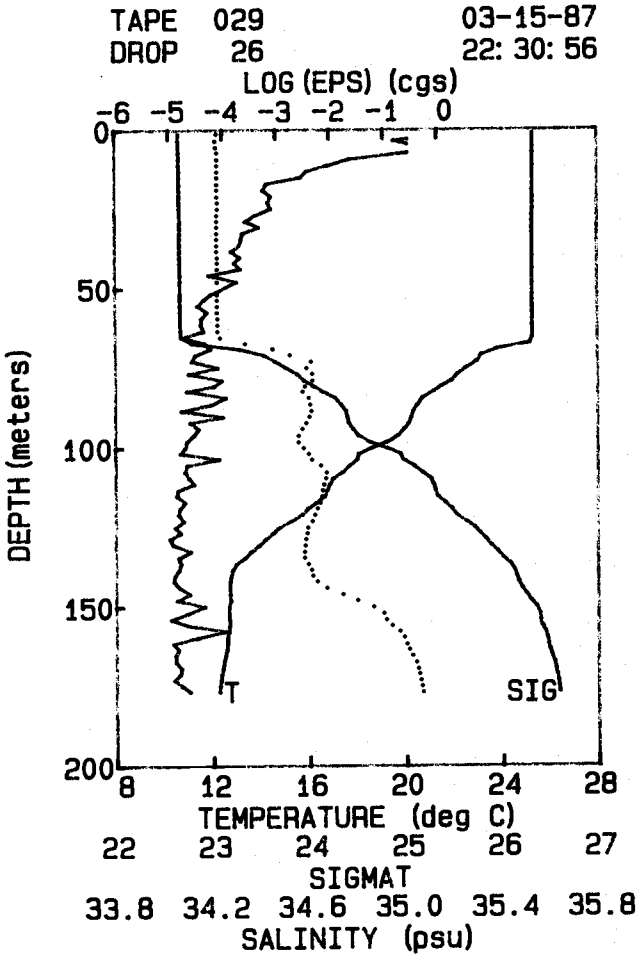
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SIG
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SIGMAT
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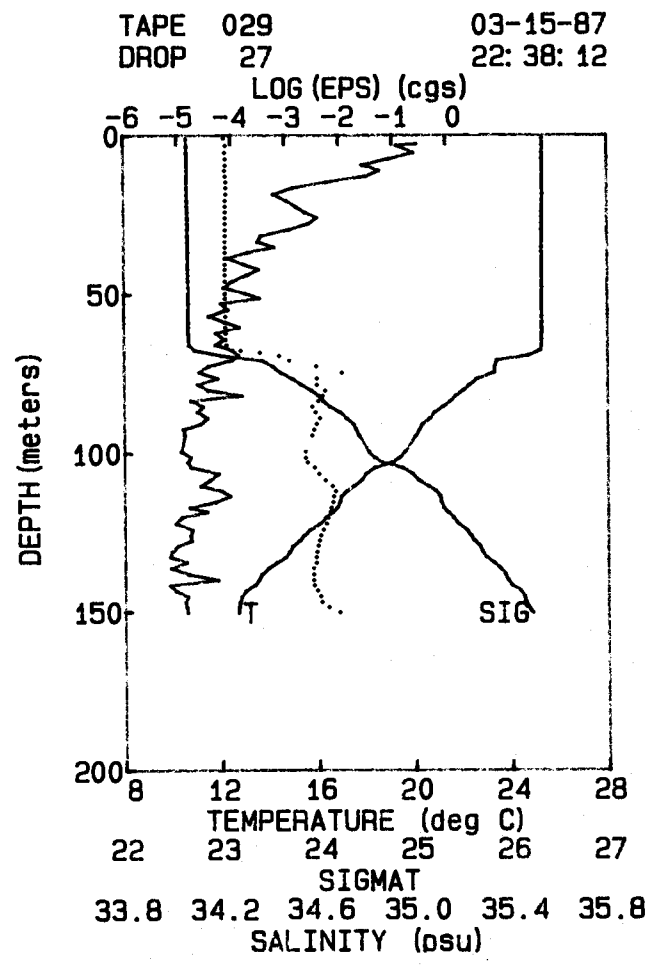
SALINITY (psu)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200
T
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SIGMAT
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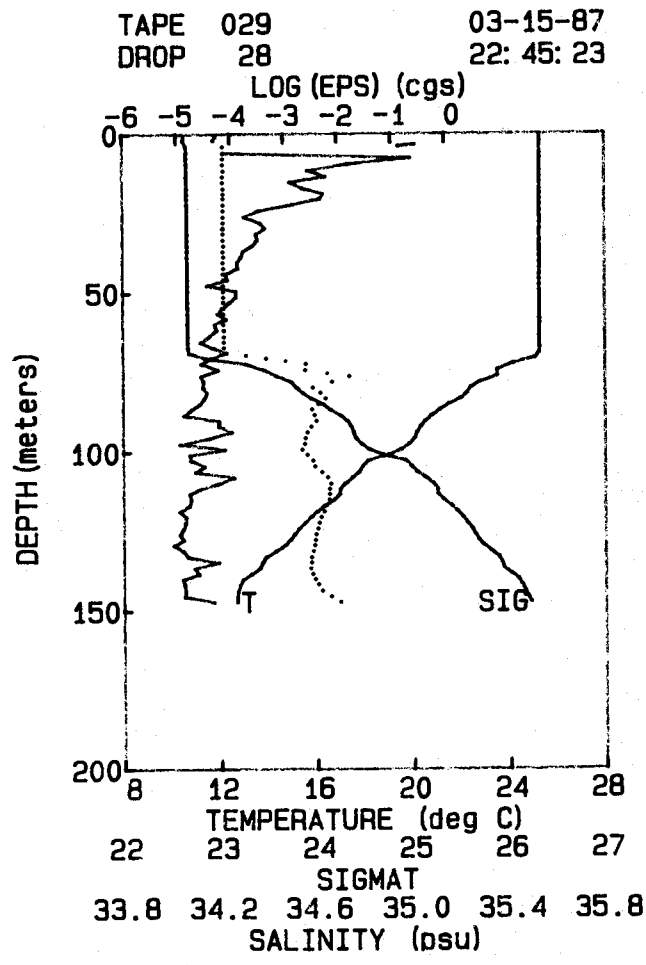
SALINITY (psu)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SIGMAT
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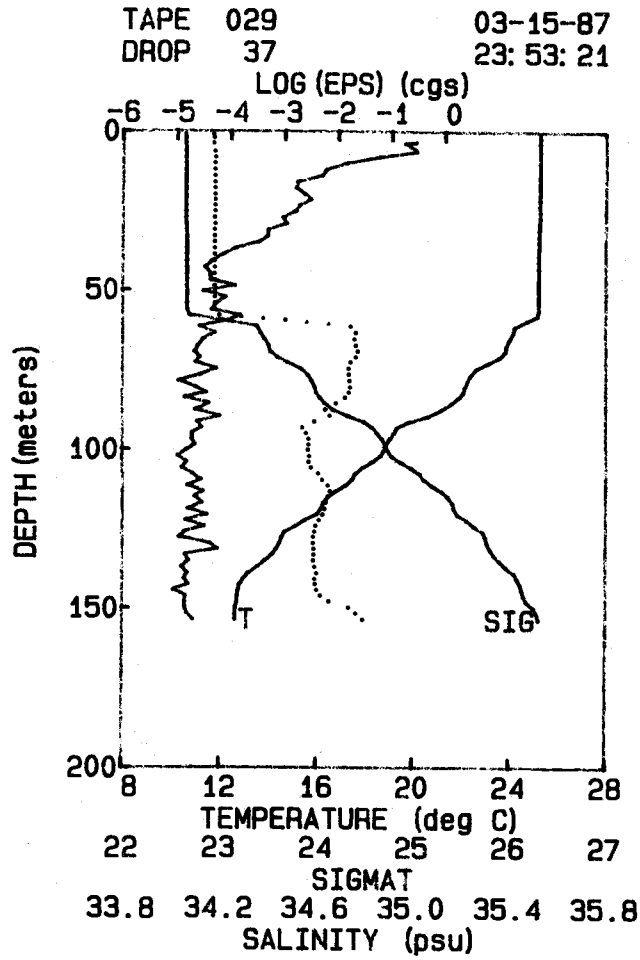
SALINITY (psu)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150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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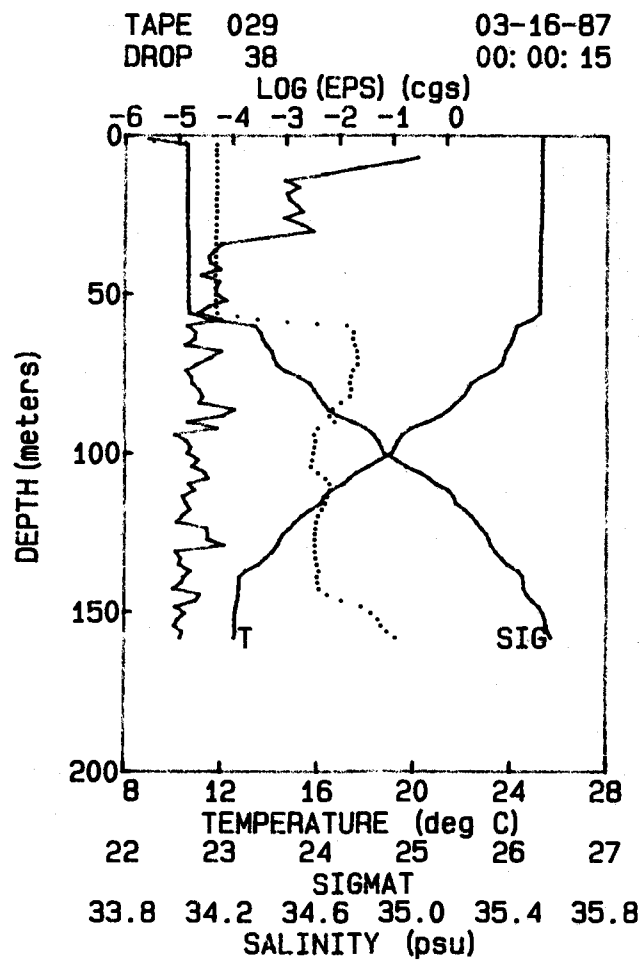
SALINITY (psu)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T
SIG
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SIGMAT
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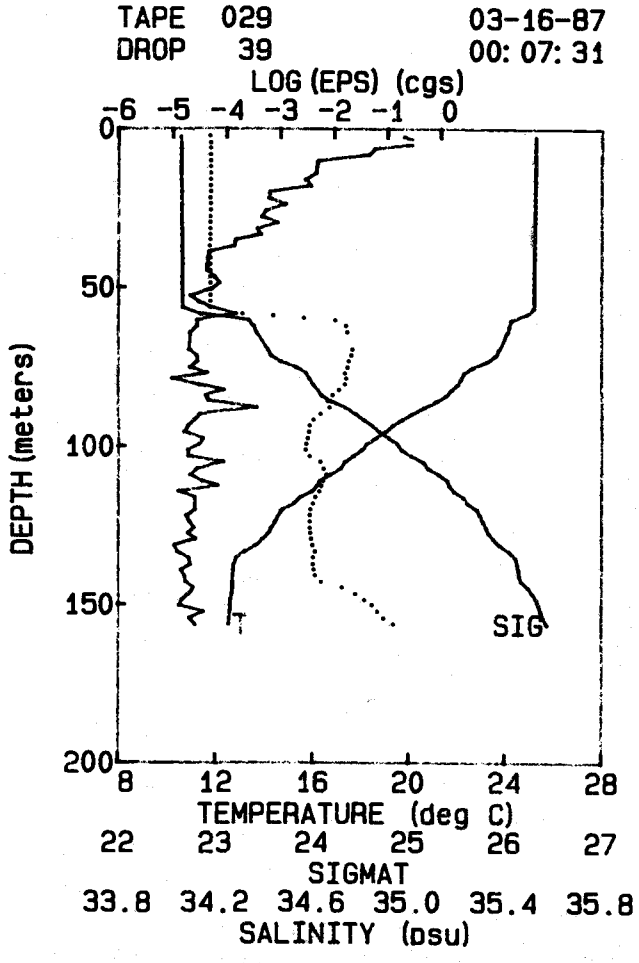
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T
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SIGMAT
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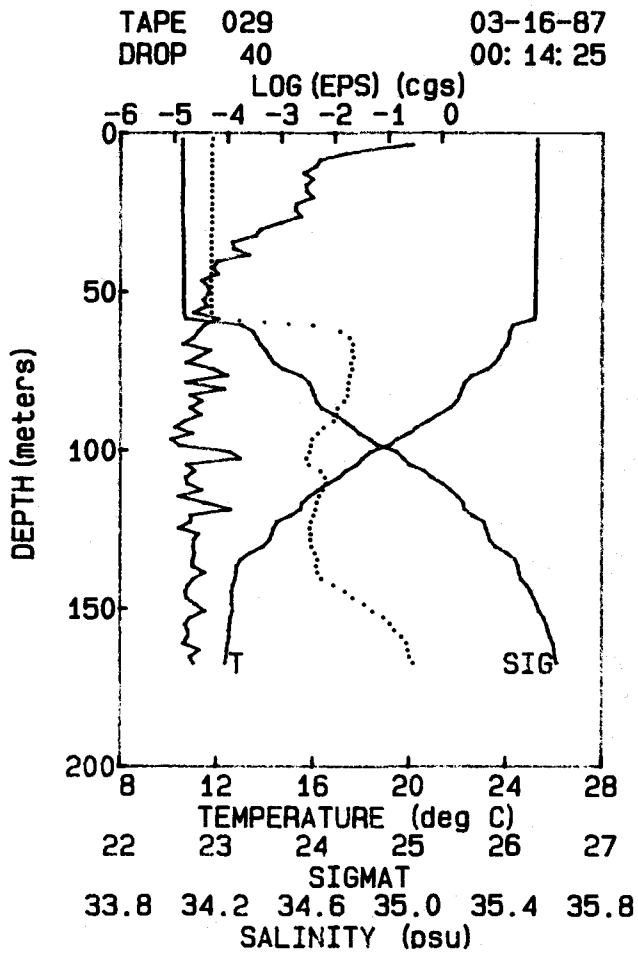
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150
200
T
SIG
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SIGMAT
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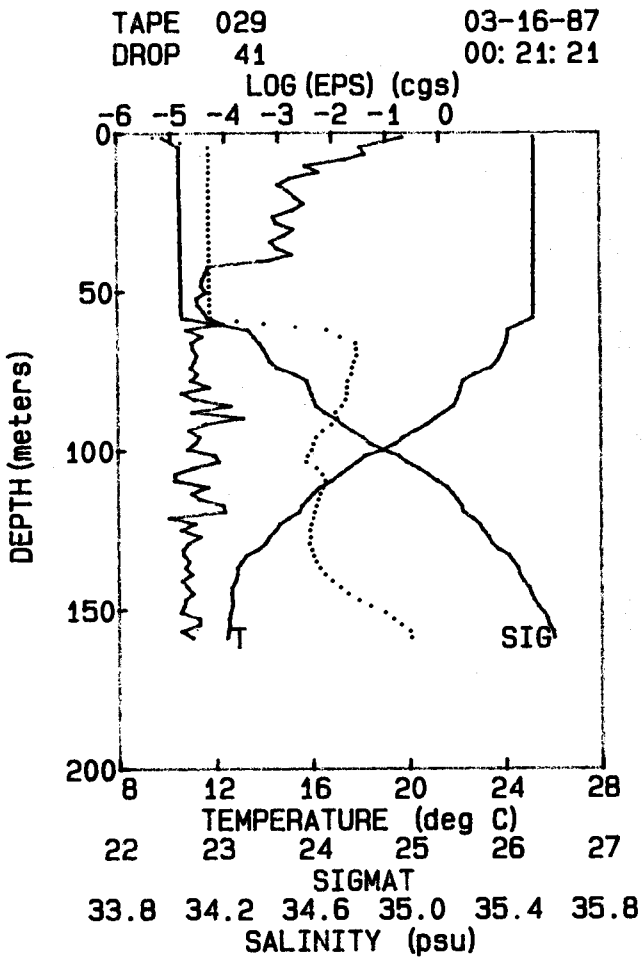
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100
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200
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SIGMAT
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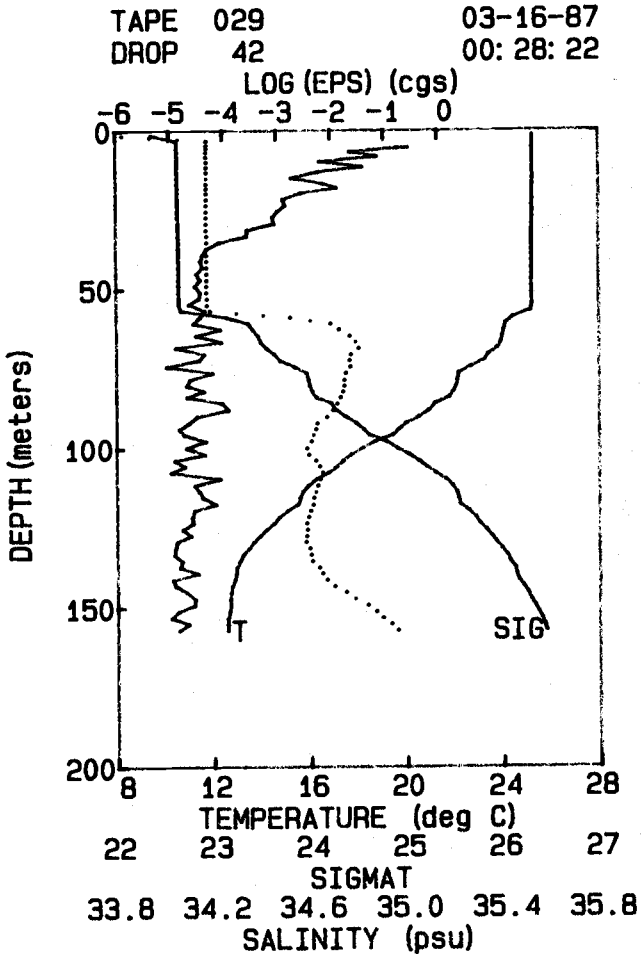
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150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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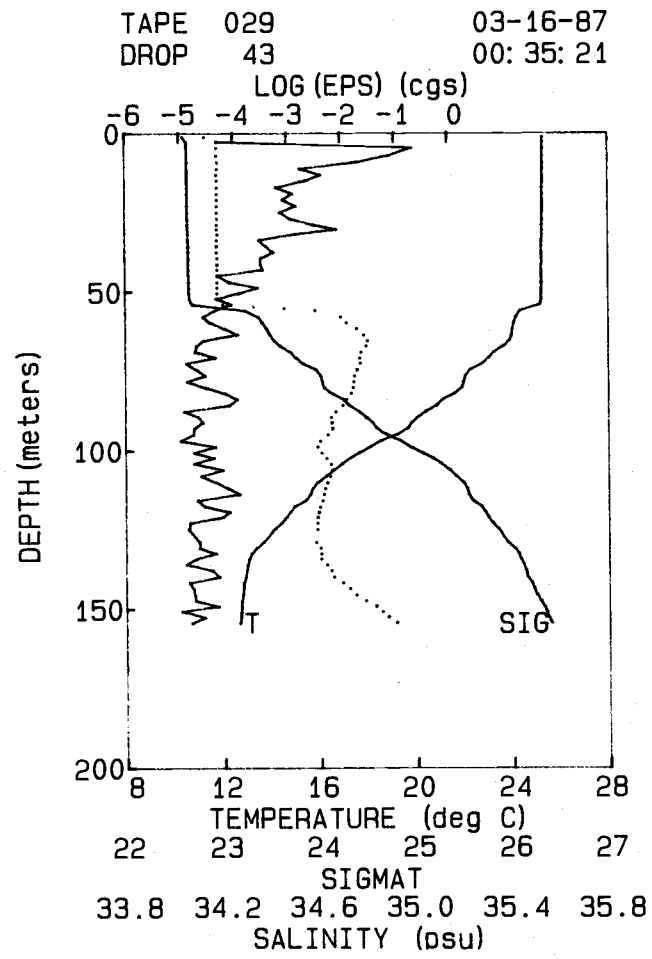
SALINITY (psu)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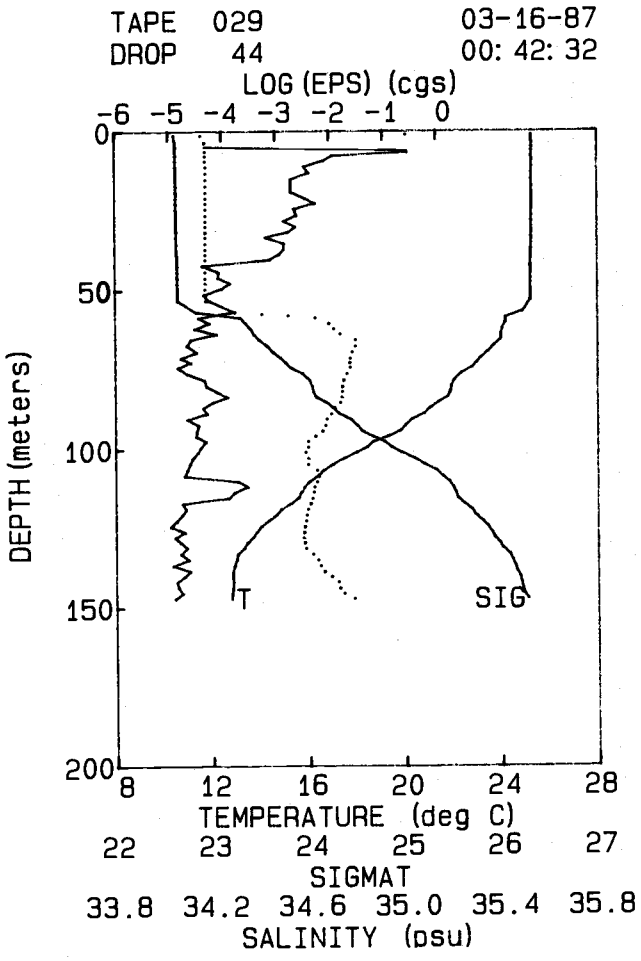
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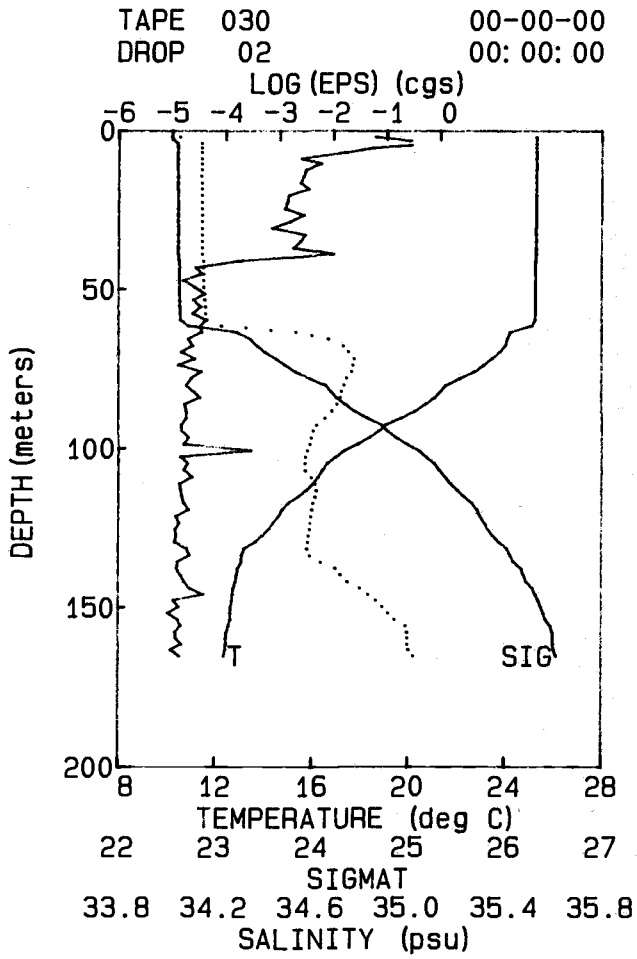
DROP 44
03-16-87
00: 42: 32
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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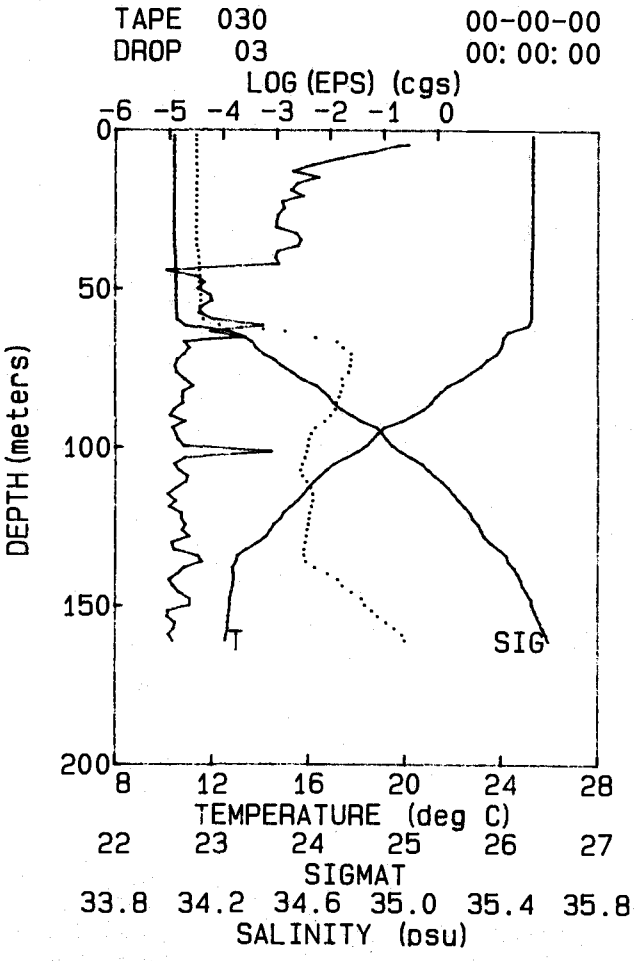
00-00-00
00: 00: 00
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 03
00-00-00
00: 00: 00
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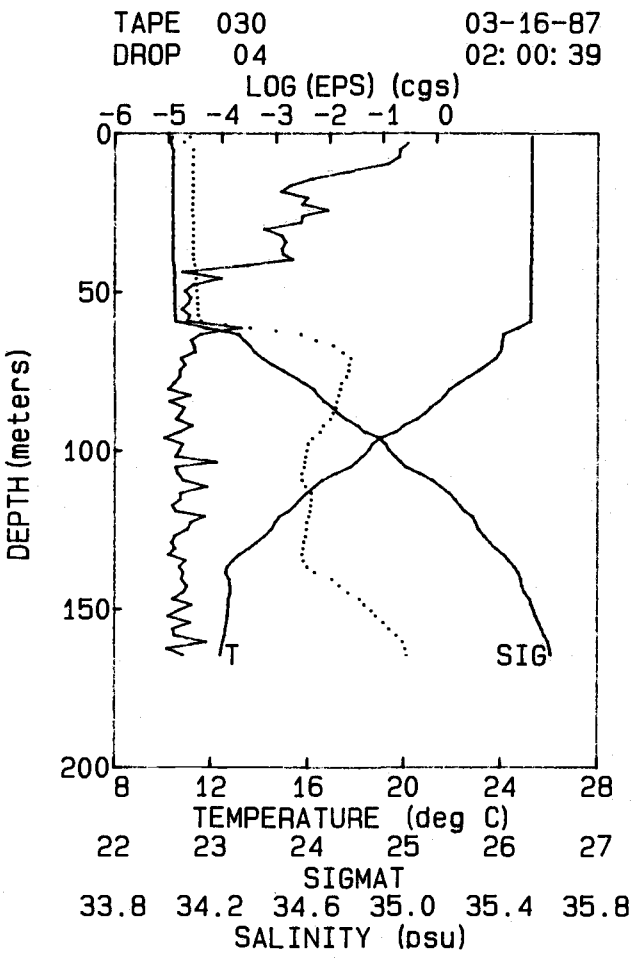
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 04
03-16-87
02: 00: 39
LOG (EPS) (cgs)
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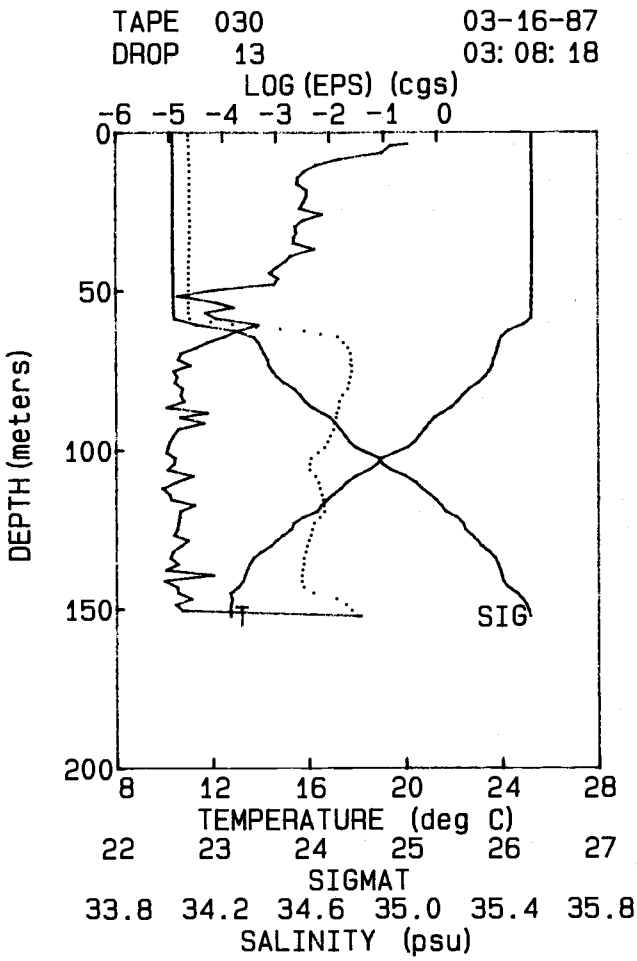
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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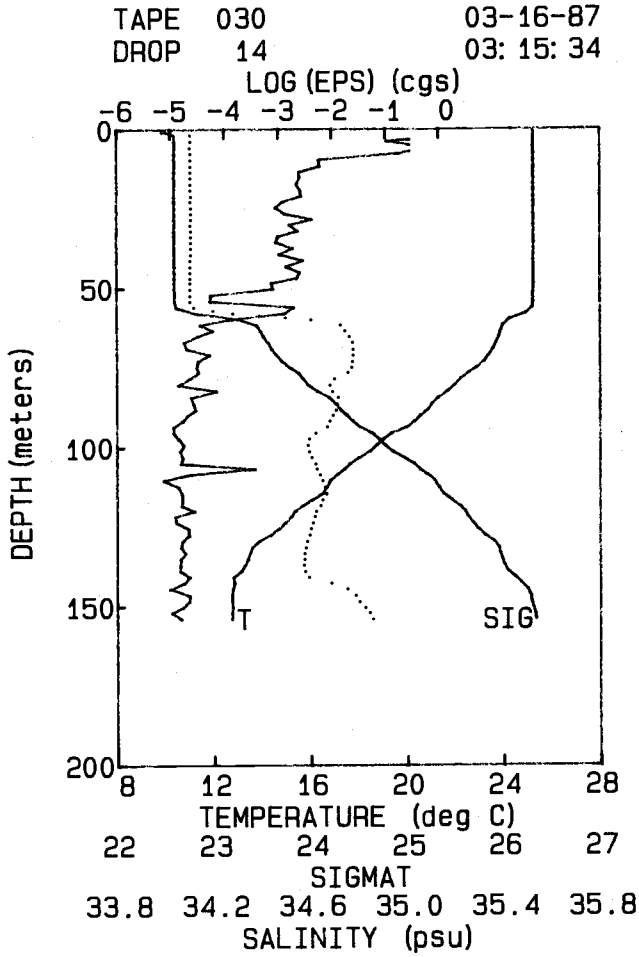
DROP 13
03-16-87
03: 08: 18
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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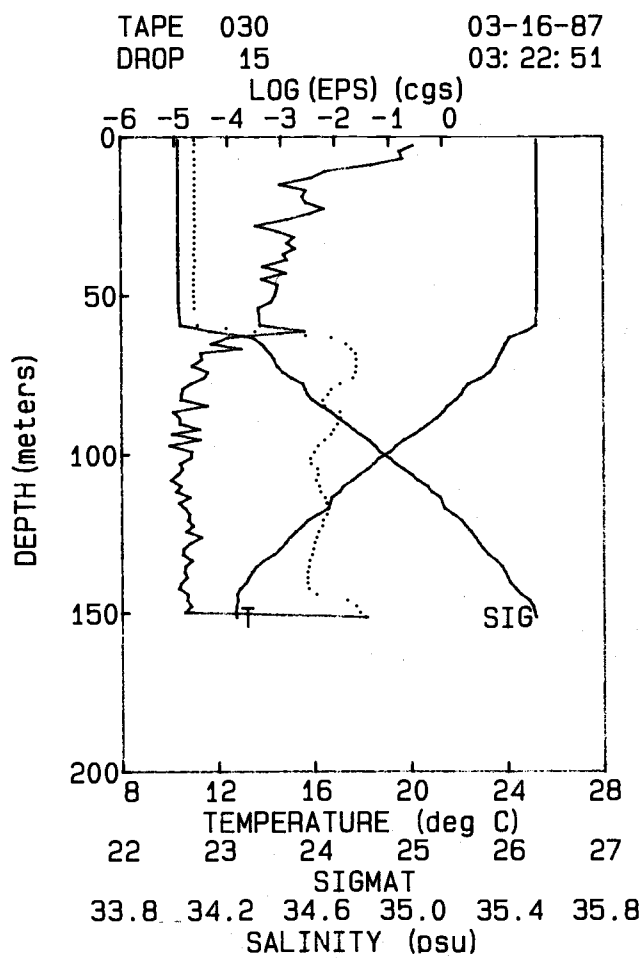
DROP 14
03-16-87
03: 15: 34
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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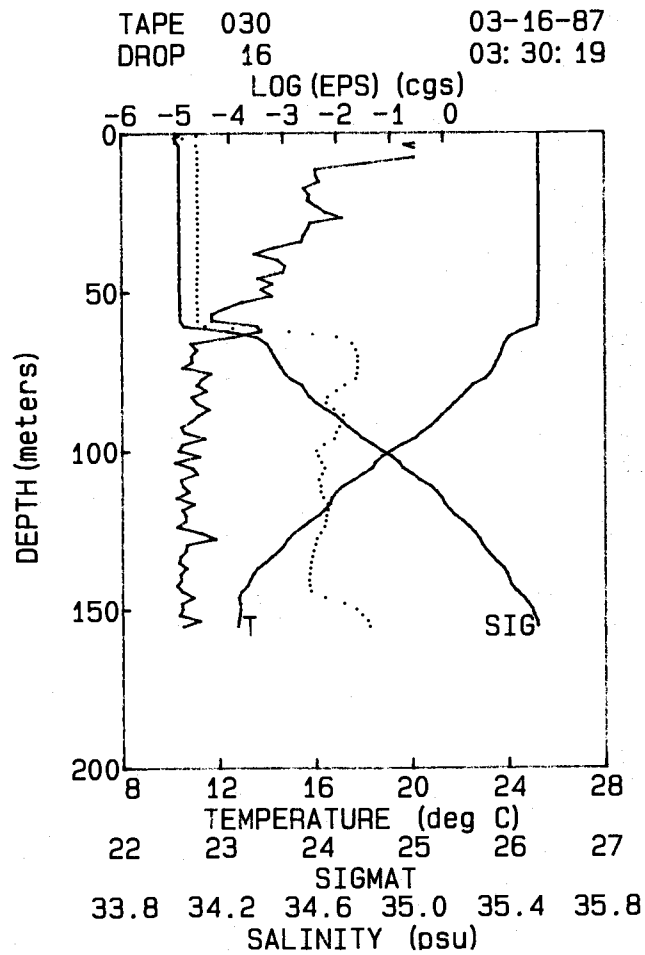
03-16-87
03: 22: 51
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-16-87
03: 30: 19
LOG (EPS) (cgs)
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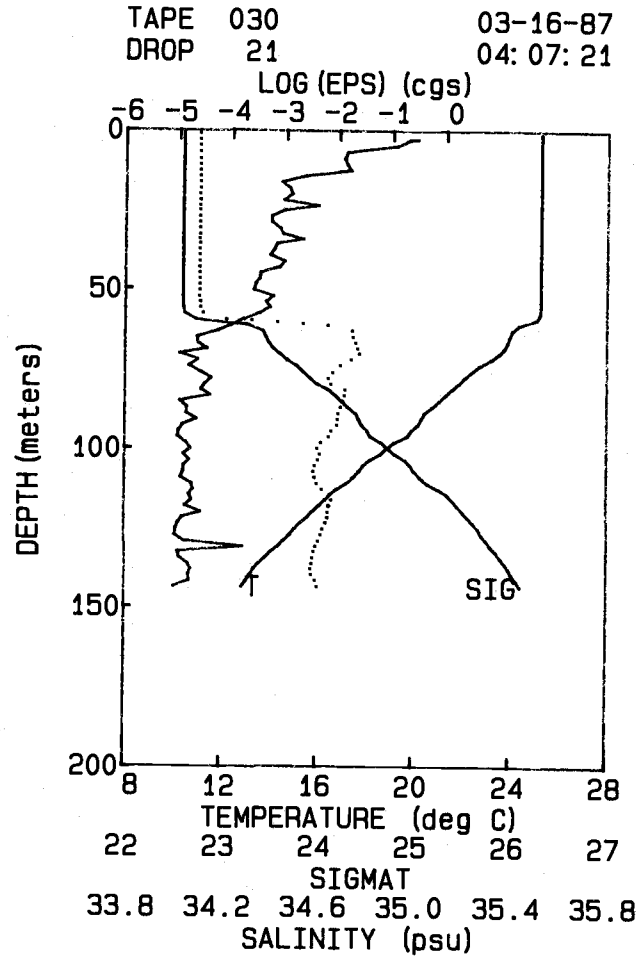
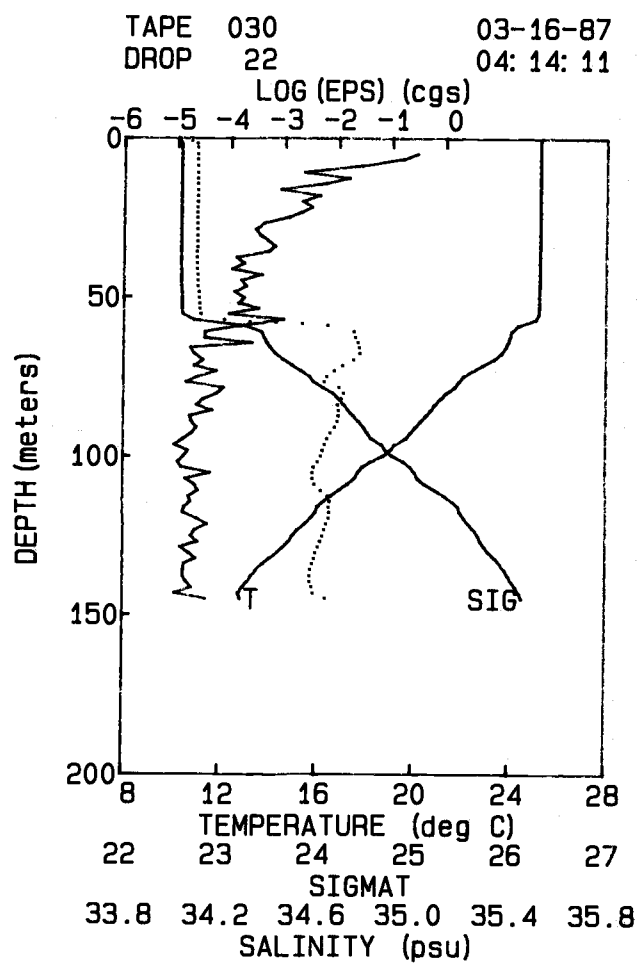
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 030
DROP 21
03-16-87
04: 07: 21
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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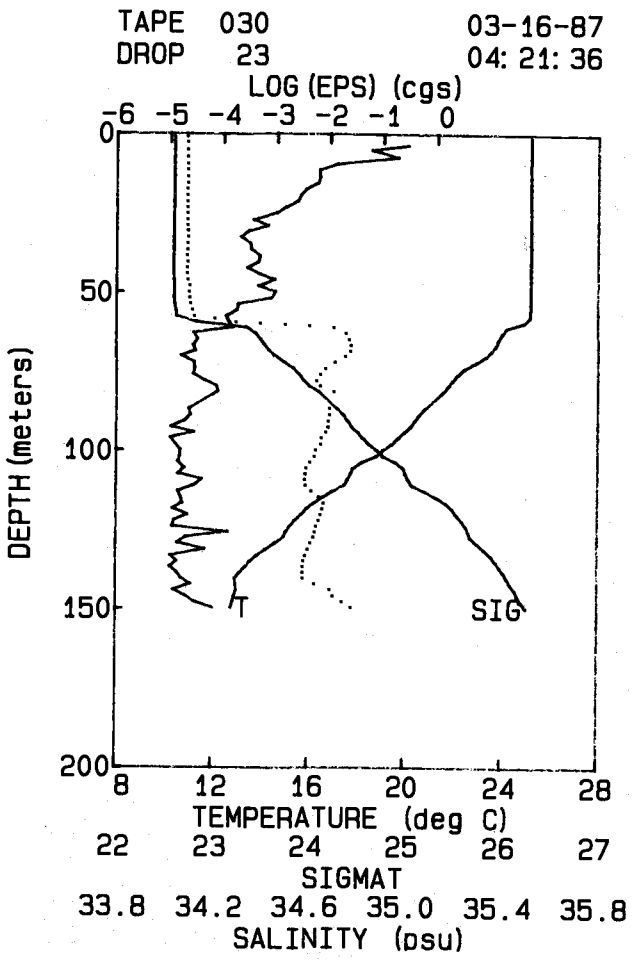
DROP 22
03-16-87
04: 14: 11
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 23
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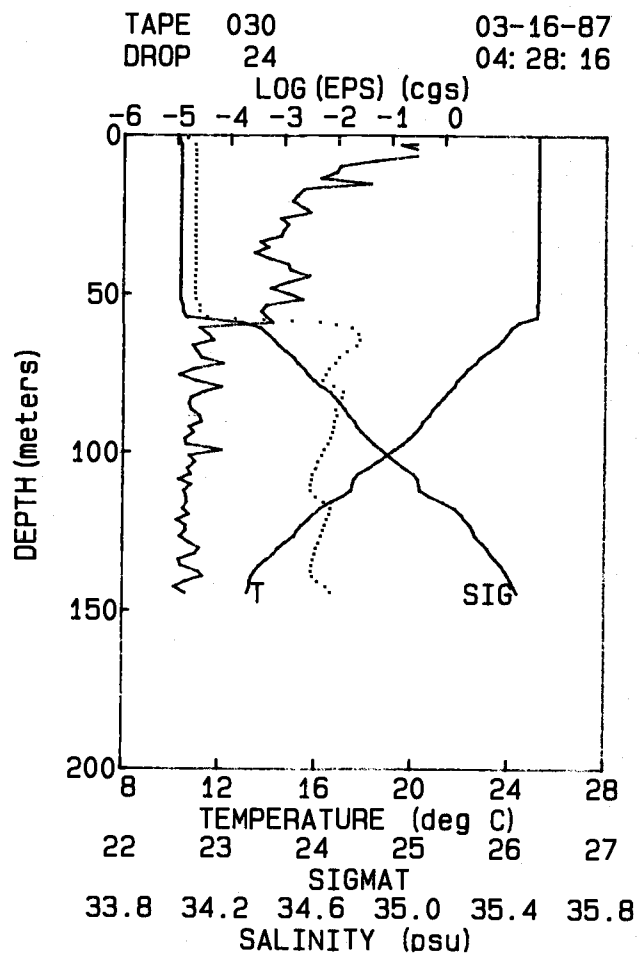
04: 21: 36
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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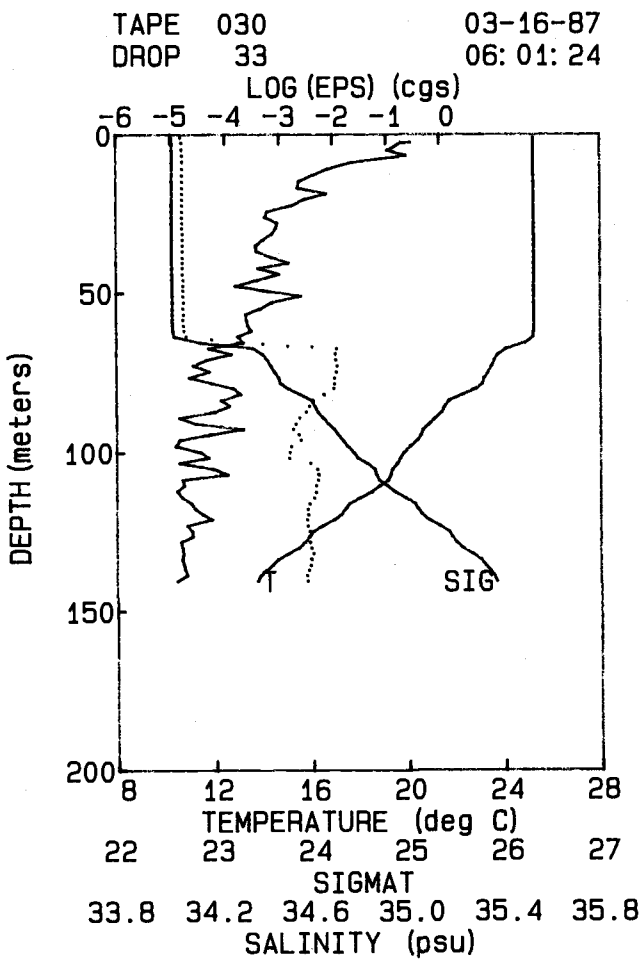
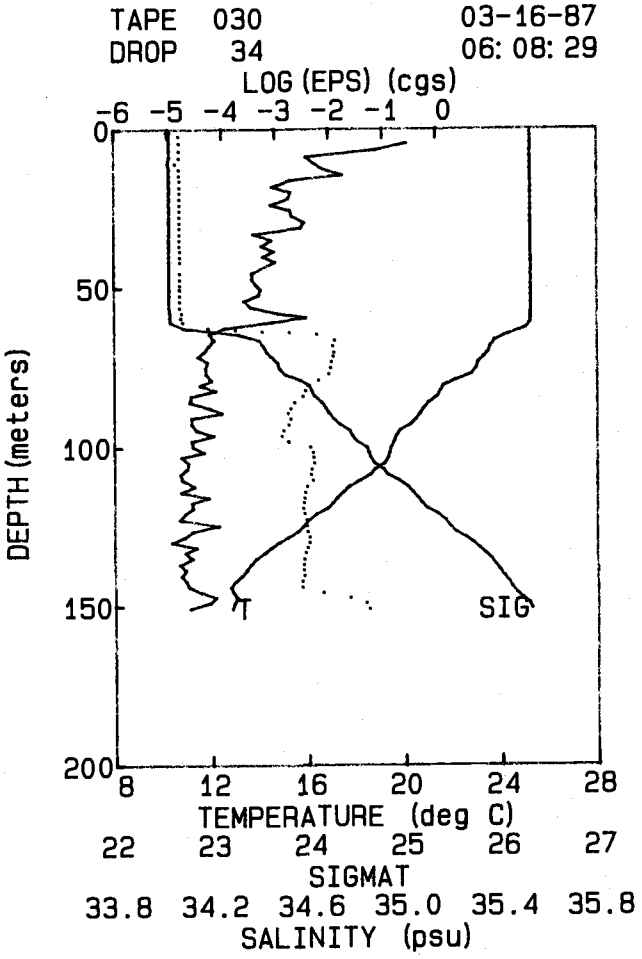
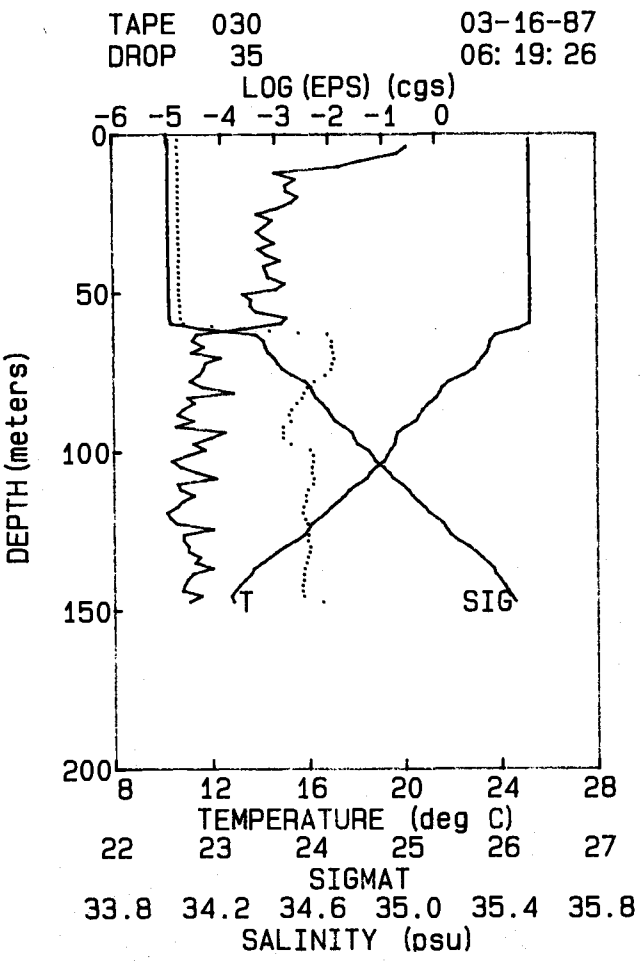
DROP 24
03-16-87
04: 28: 16
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 030
DROP 33
03-16-87
06: 01: 24
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 030
DROP 34
03-16-87
06: 08: 29
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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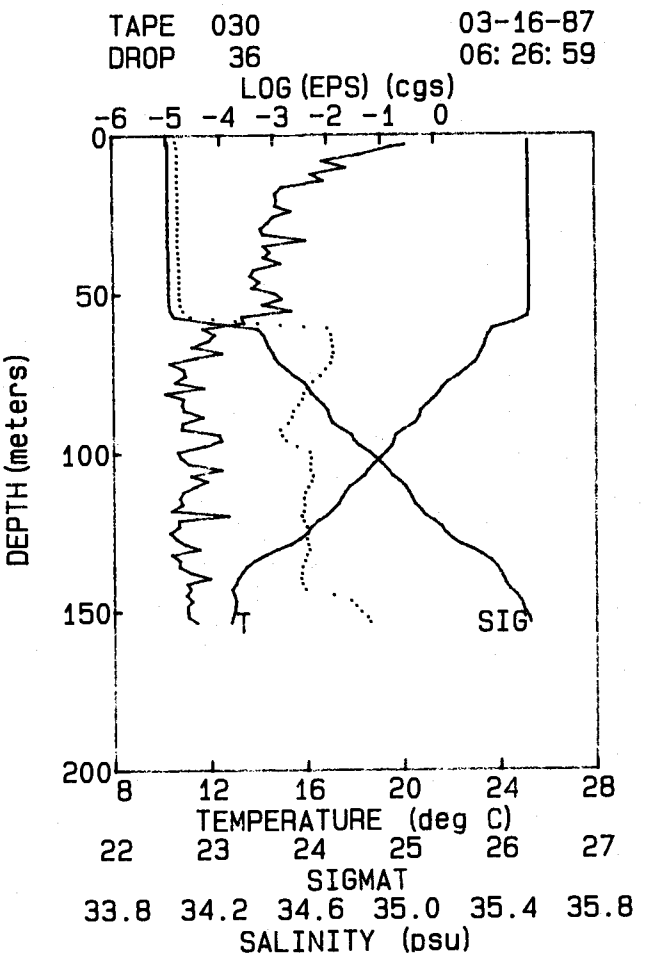
DROP 35
03-16-87
06: 19: 26
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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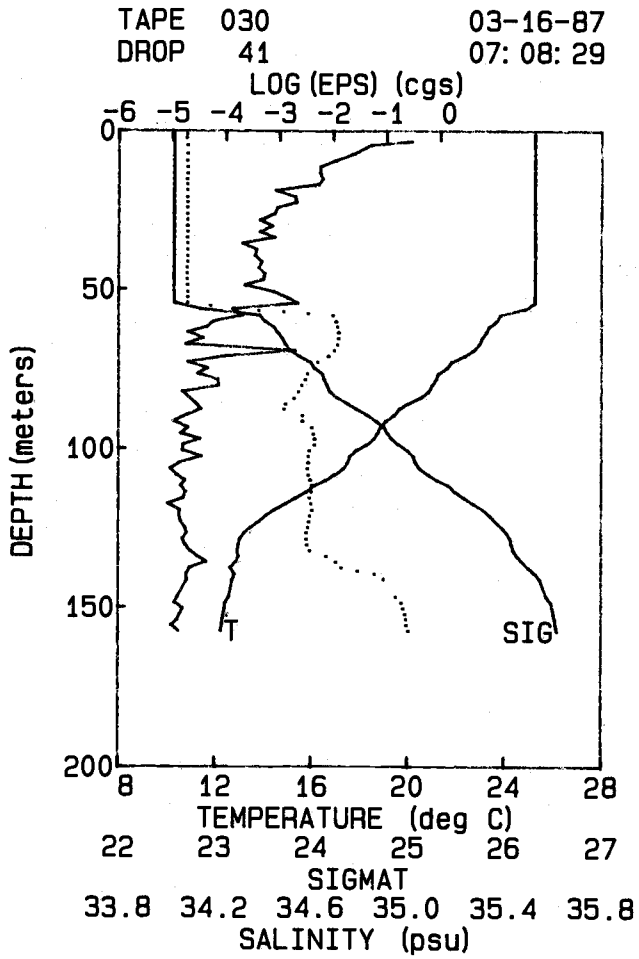
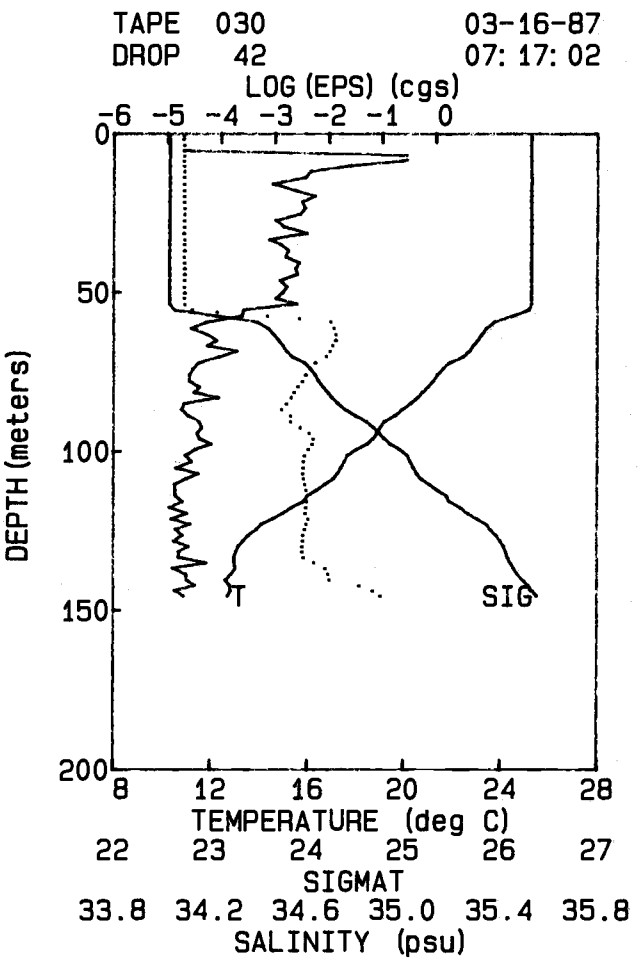
DROP 36
03-16-87
06: 26: 59
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 030
DROP 41
03-16-87
07: 08: 29
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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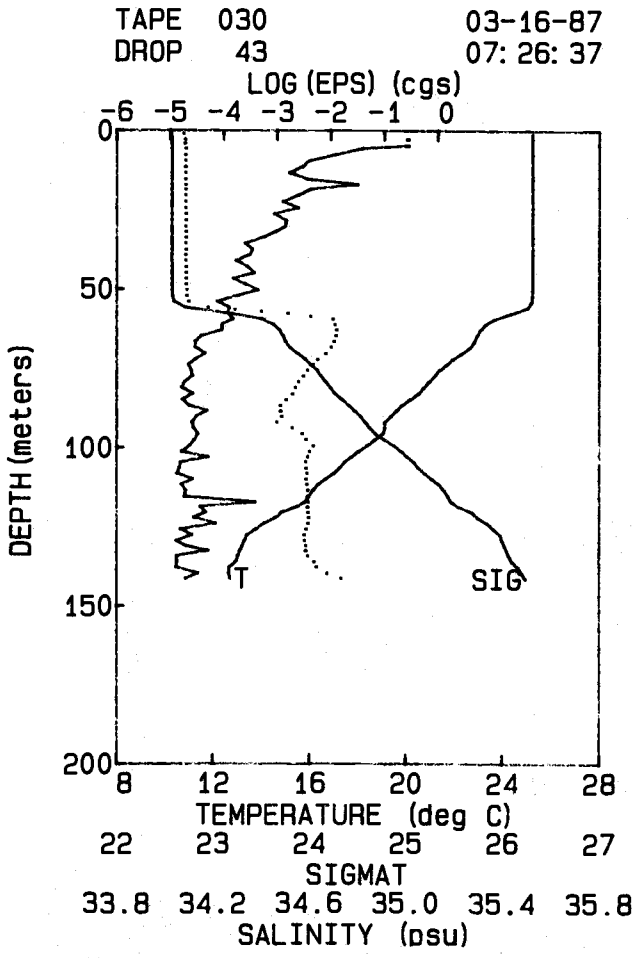
DROP 42
03-16-87
07: 17: 02
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 43
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07: 26: 37
LOG (EPS) (cgs)
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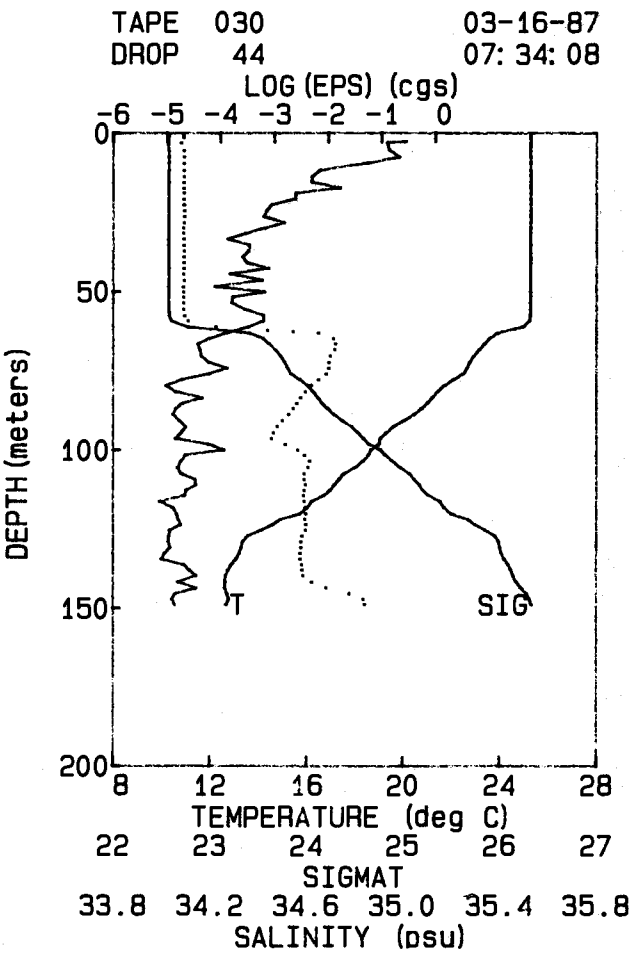
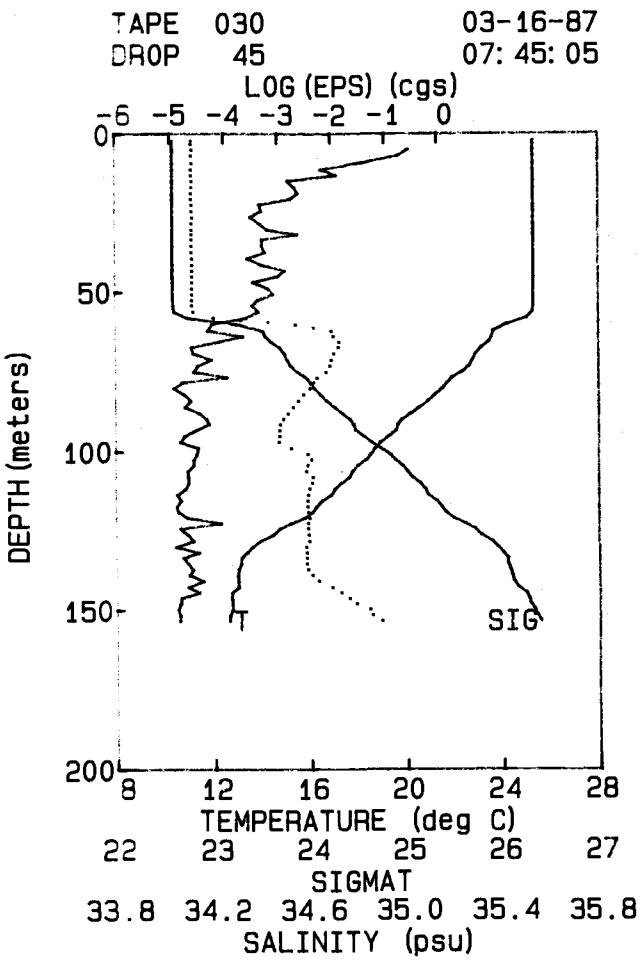
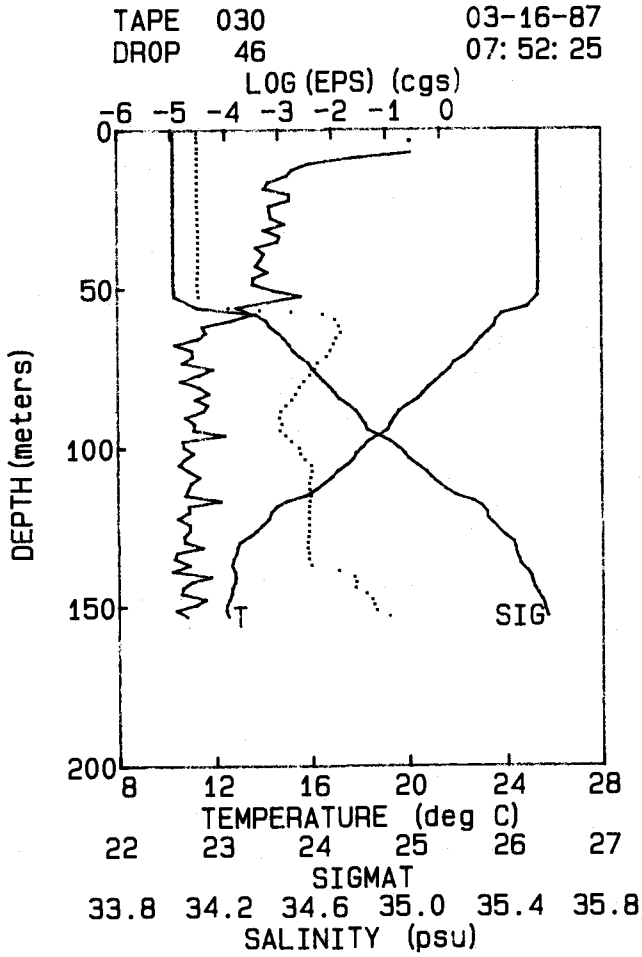
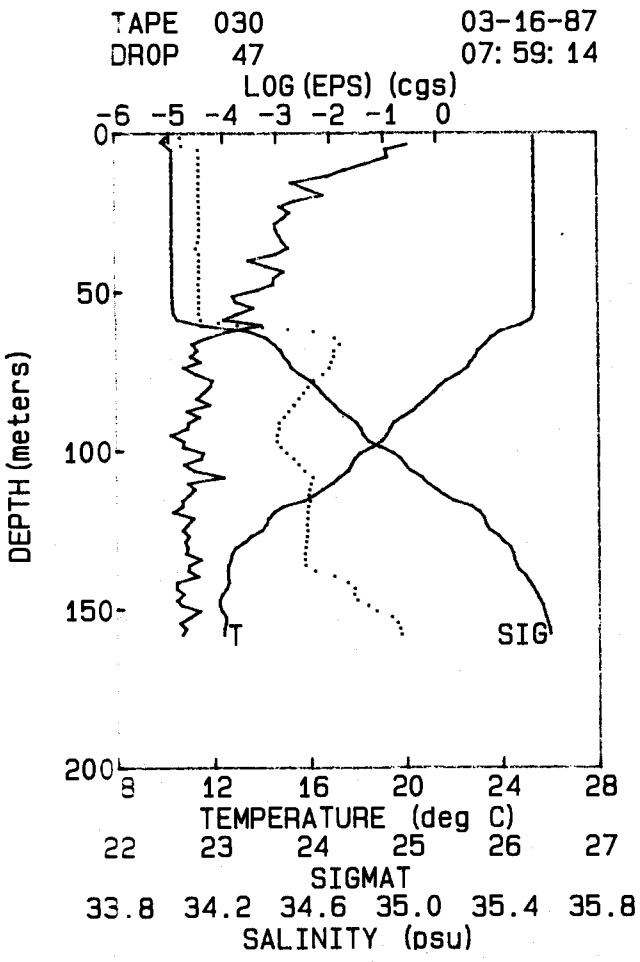
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)

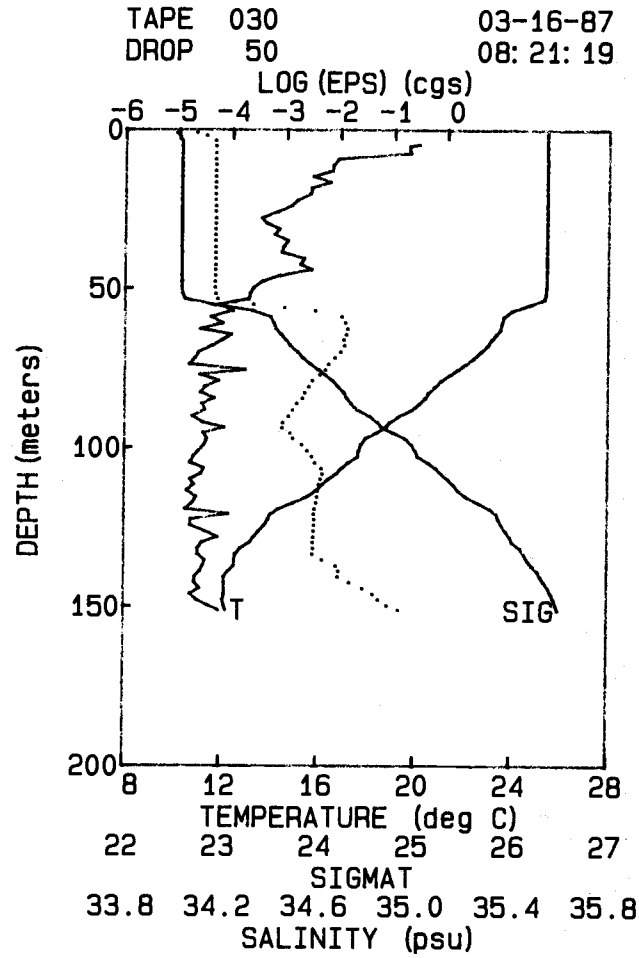

TAPE 030
DROP 44
03-16-87
07: 34: 08
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)




DEPTH (meters)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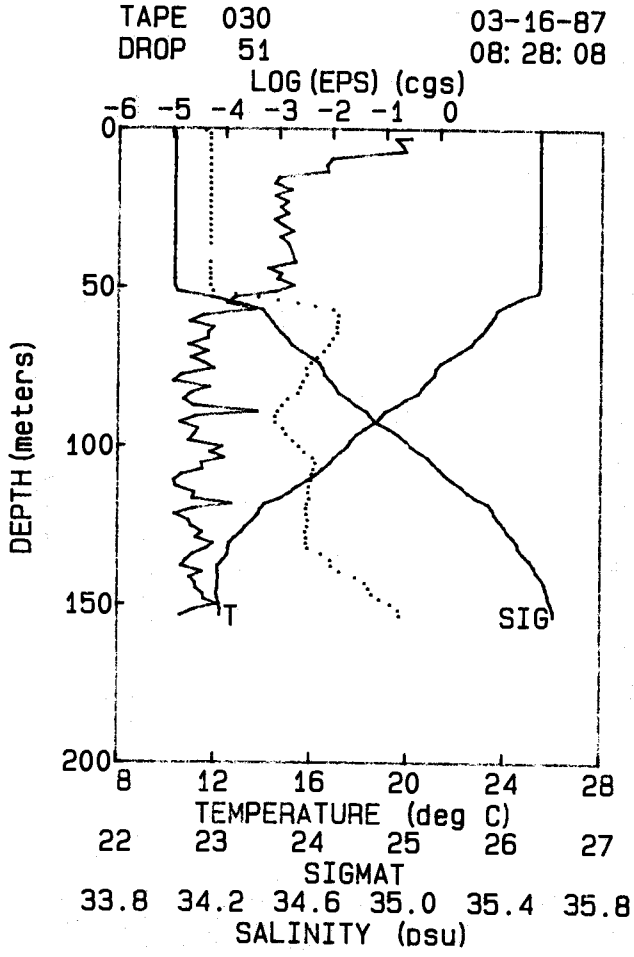
DROP 50
03-16-87
08: 21: 19
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 51
03-16-87
08: 28: 08
LOG (EPS) (cgs)
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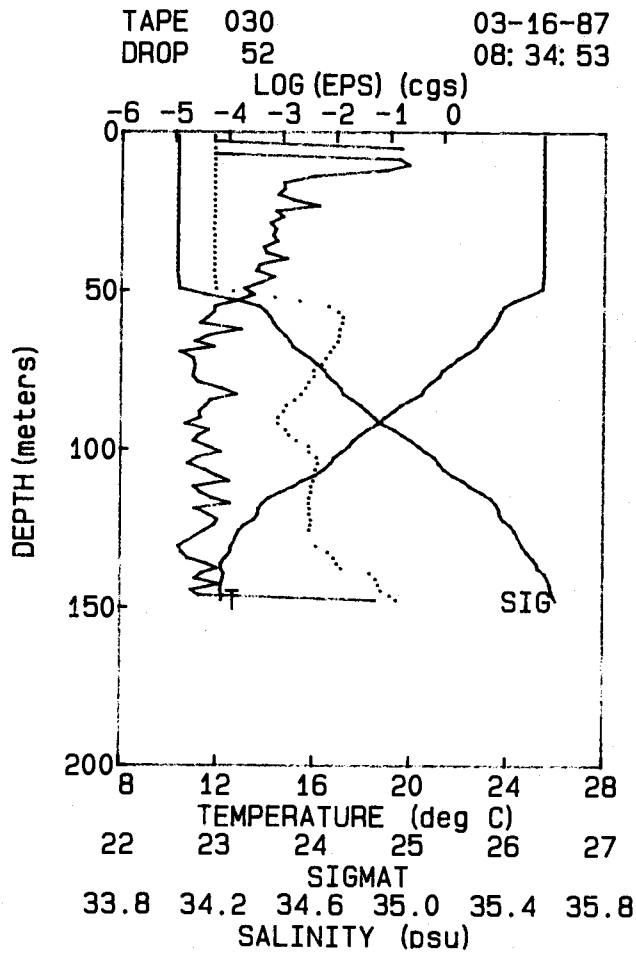
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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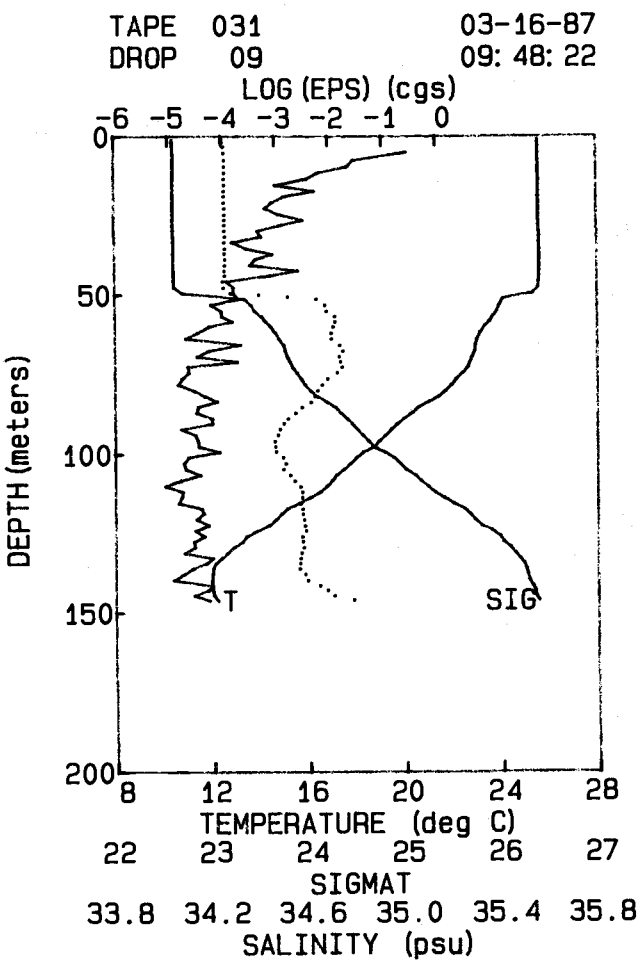
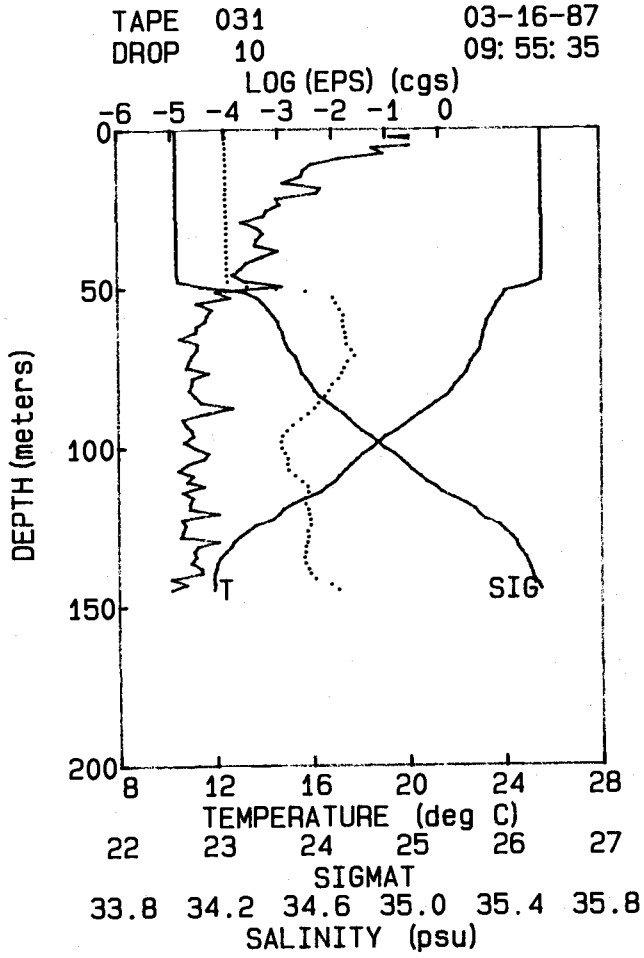
DROP 52
03-16-87
08: 34: 53
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 031
DROP 09
03-16-87
09: 48: 22
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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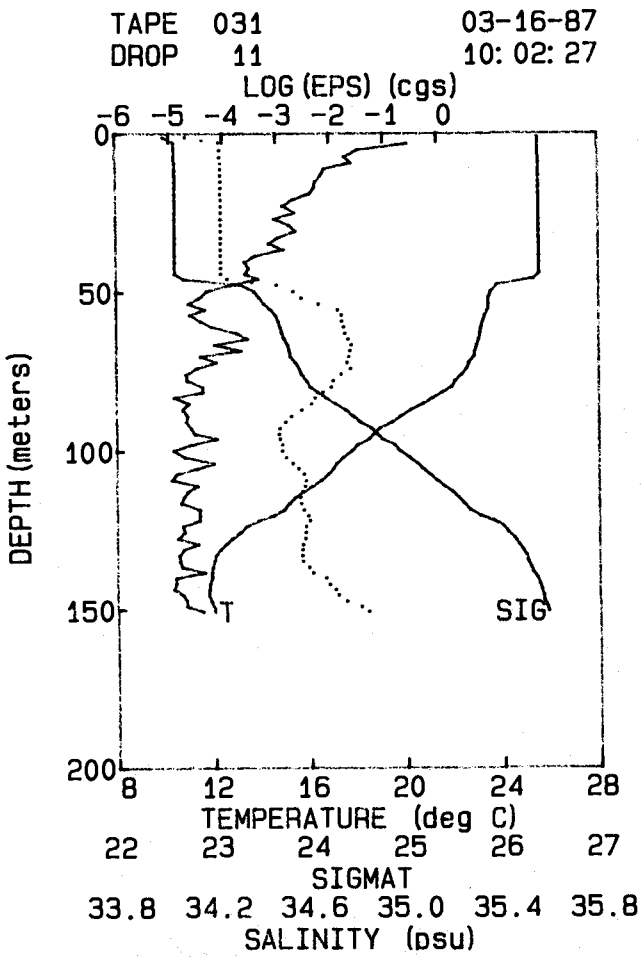
03-16-87
09: 55: 35
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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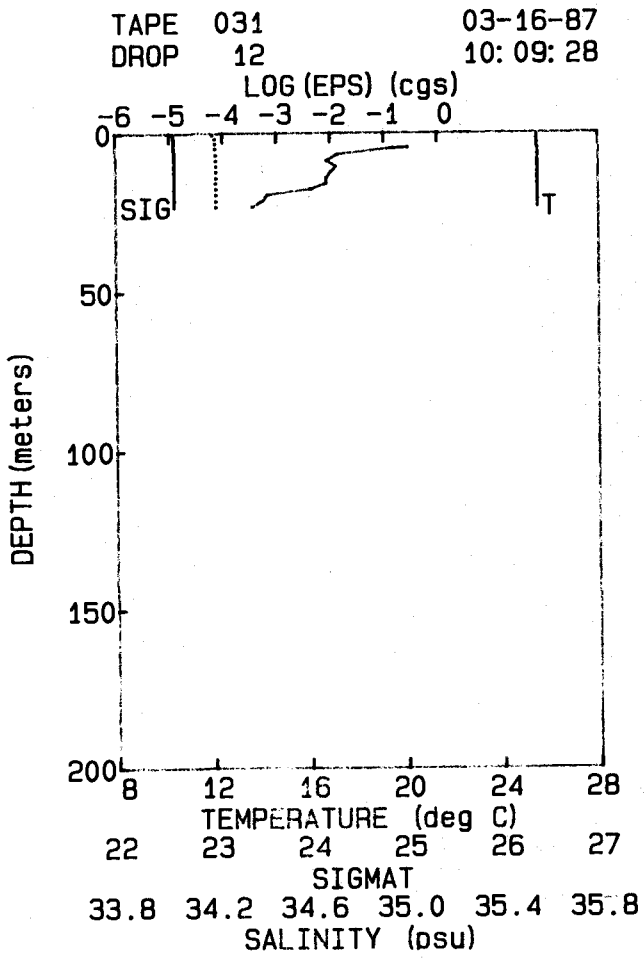
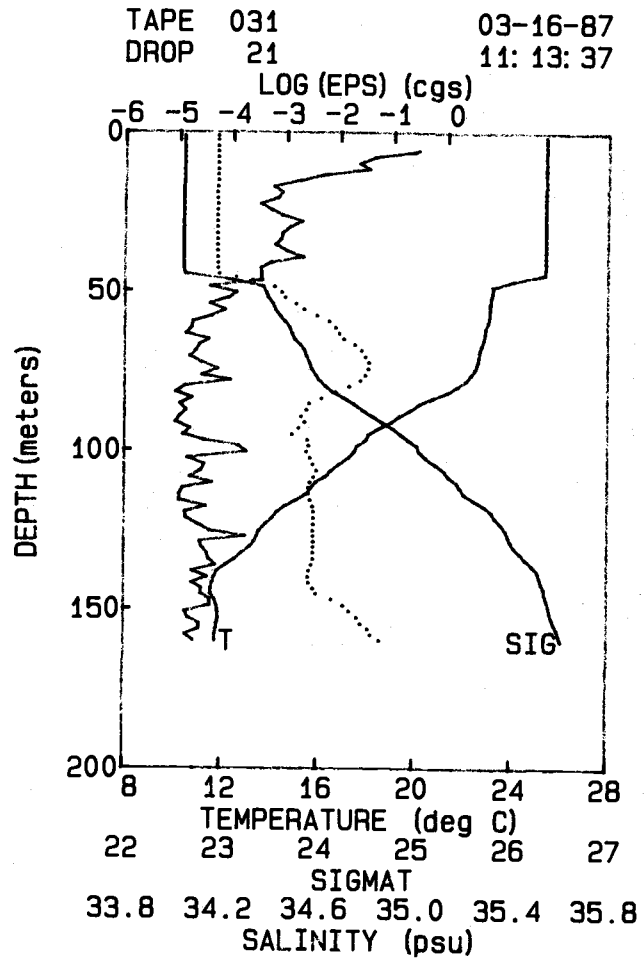
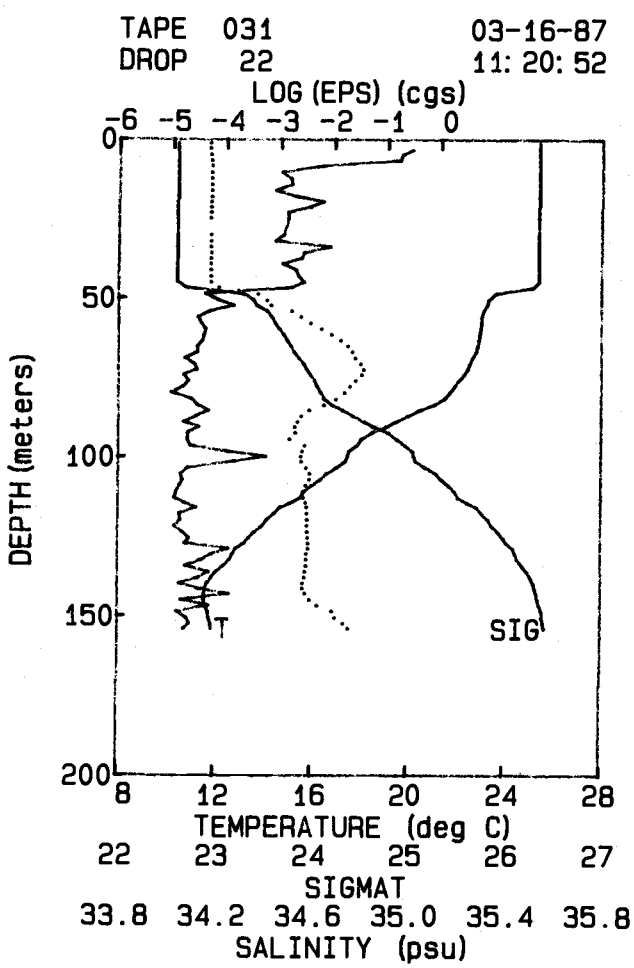
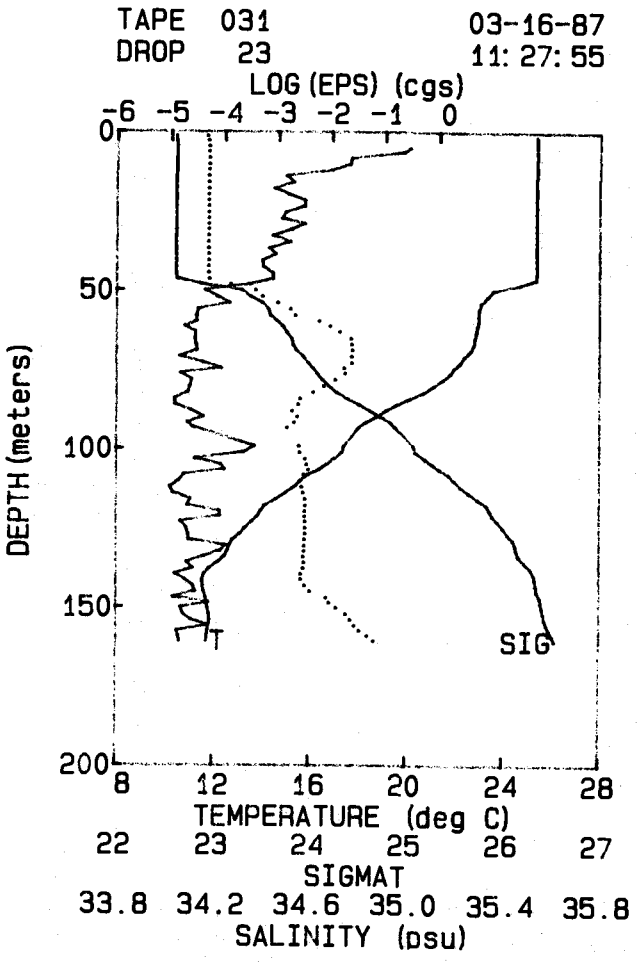
DROP 11
03-16-87
10: 02: 27
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 031
DROP 12
03-16-87
10: 09: 28
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
T
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 031
DROP 21
03-16-87
11: 13: 37
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 031
DROP 22
03-16-87
11: 20: 52
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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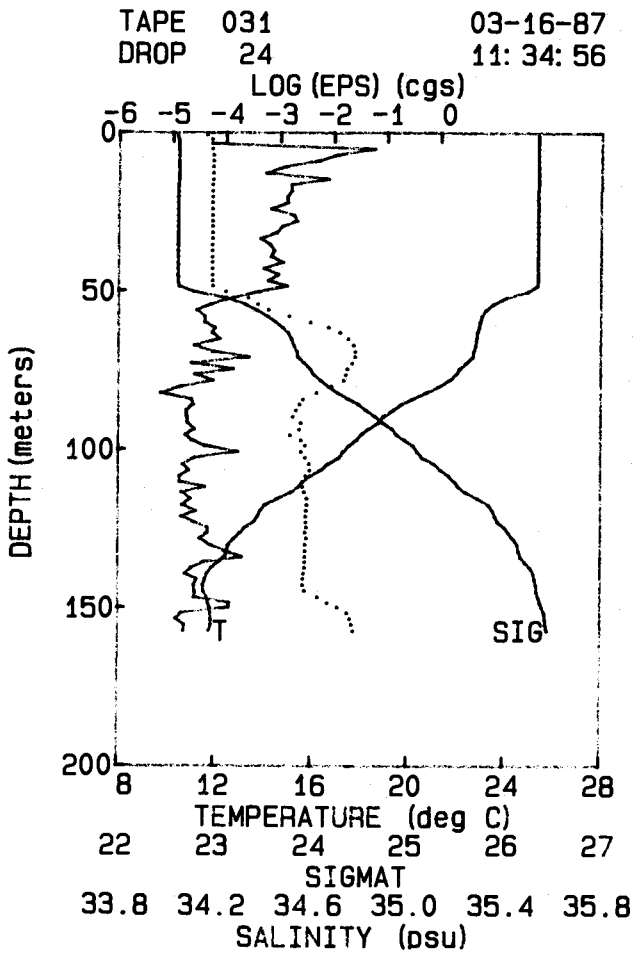
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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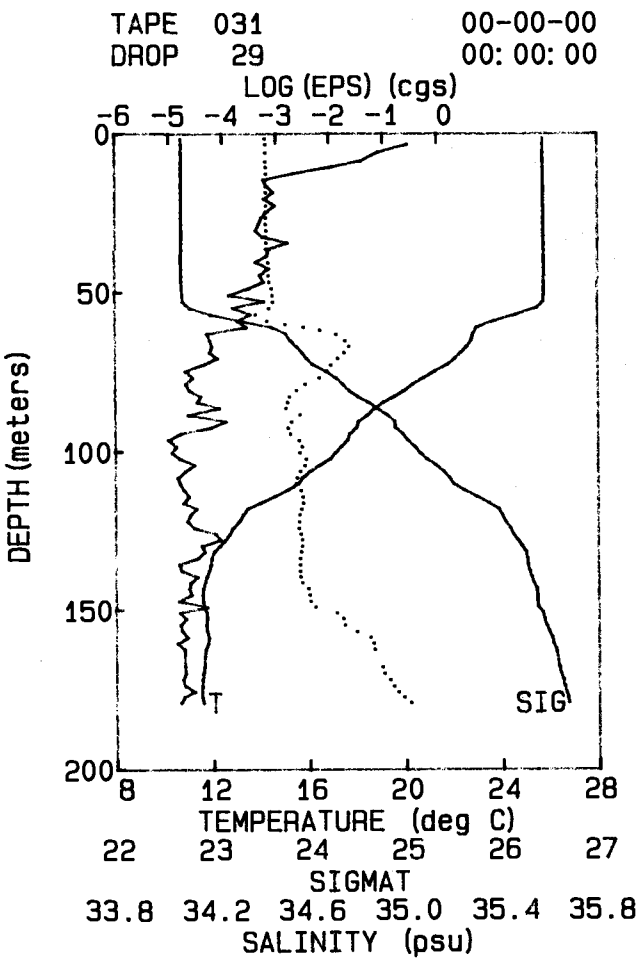
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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00: 00: 00
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DEPTH (meters)
0
50
100
150
200
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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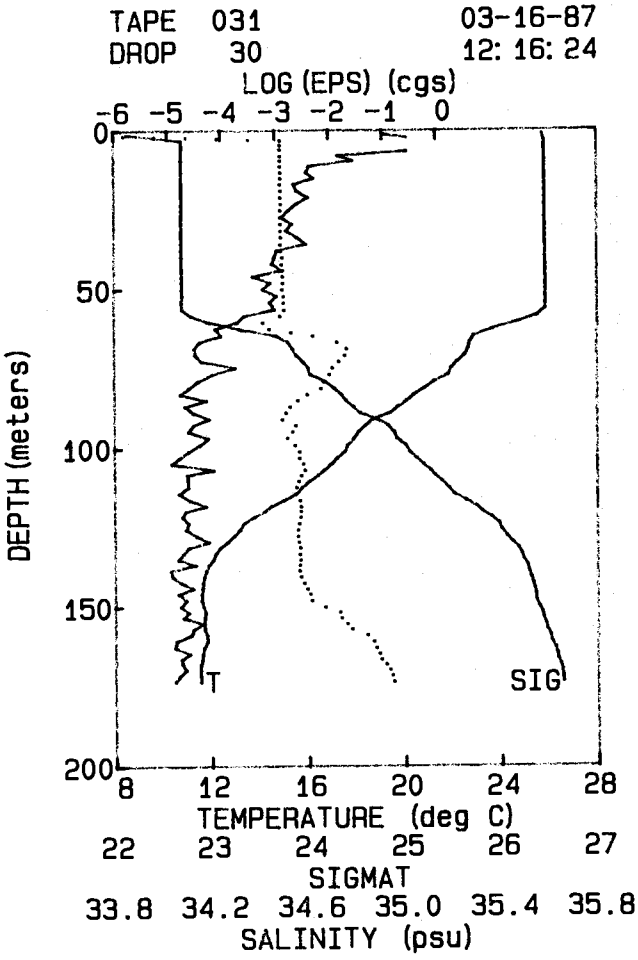
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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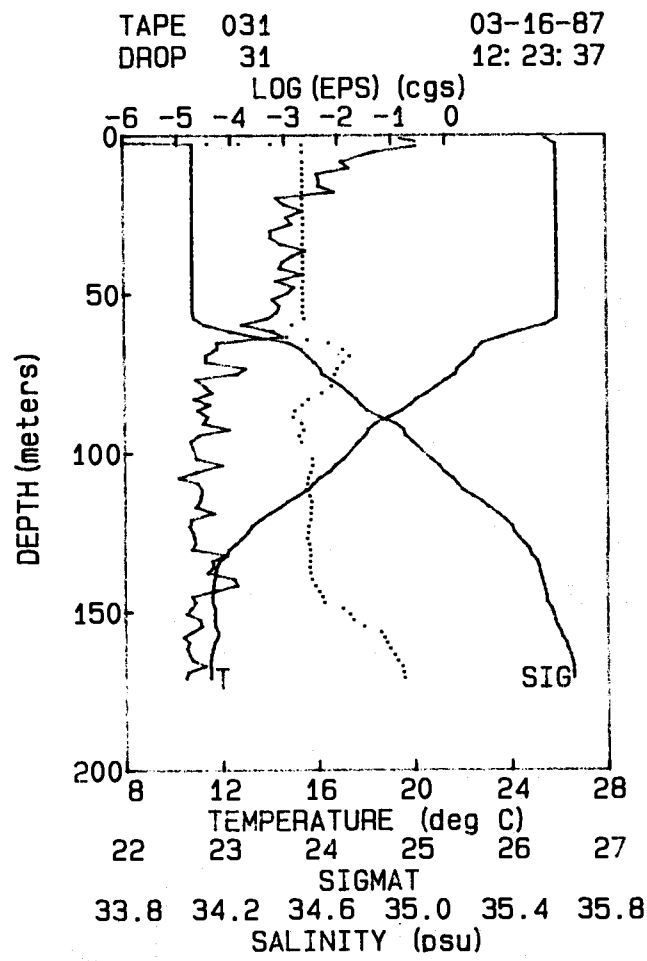
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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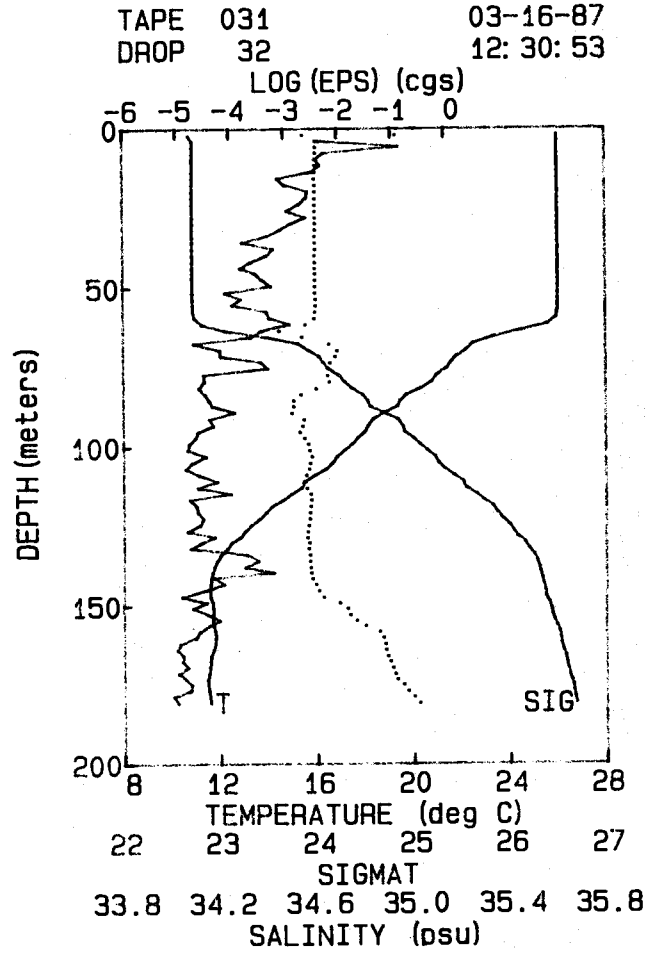
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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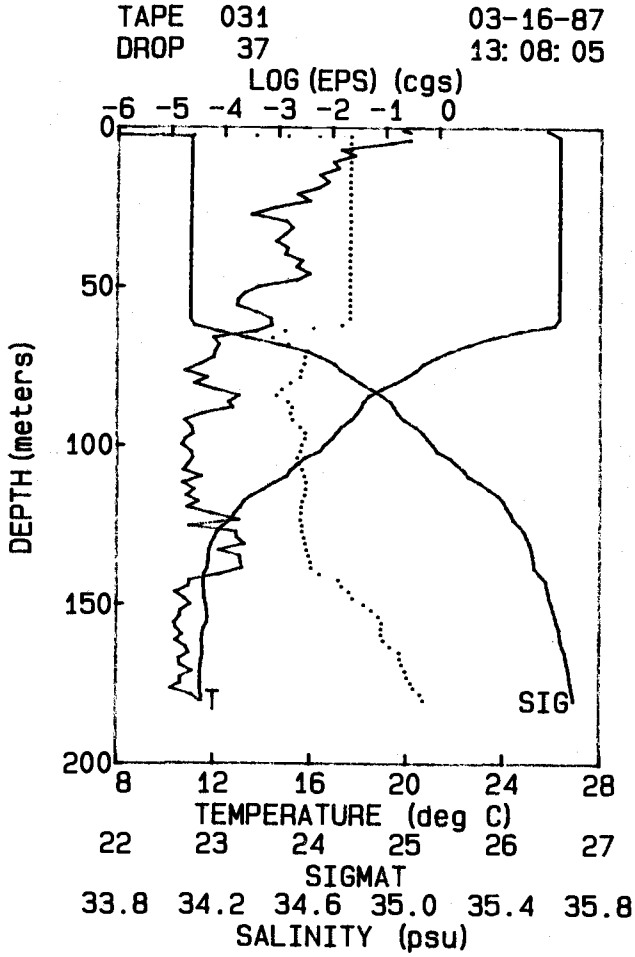
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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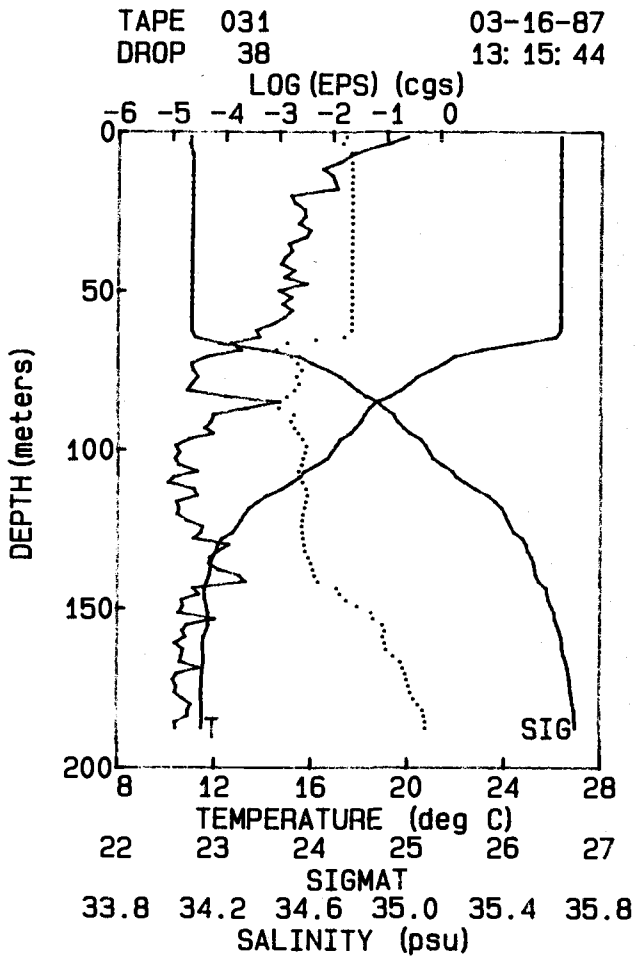
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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50
100
150
200
T
SIG
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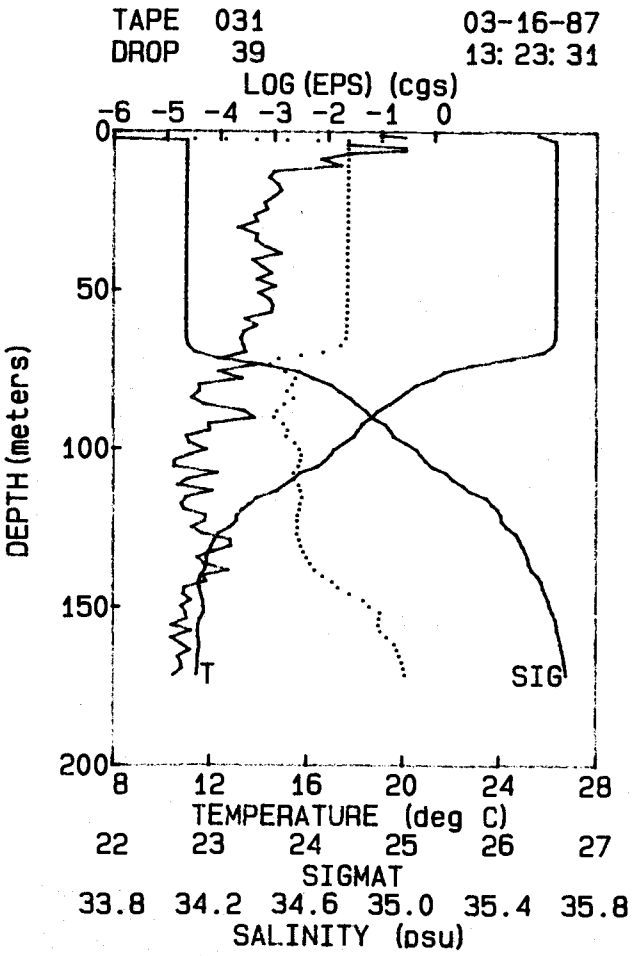
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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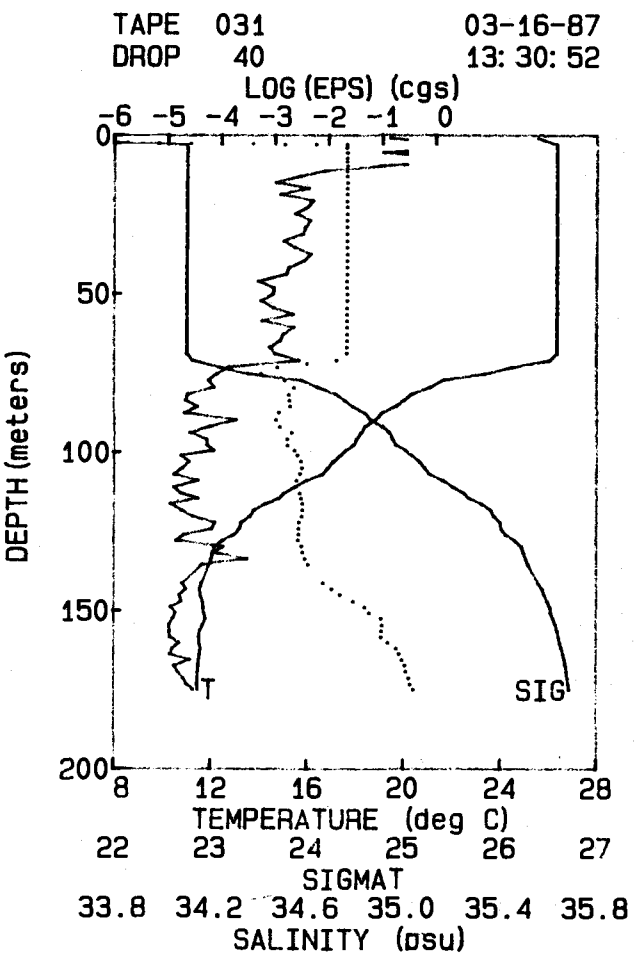
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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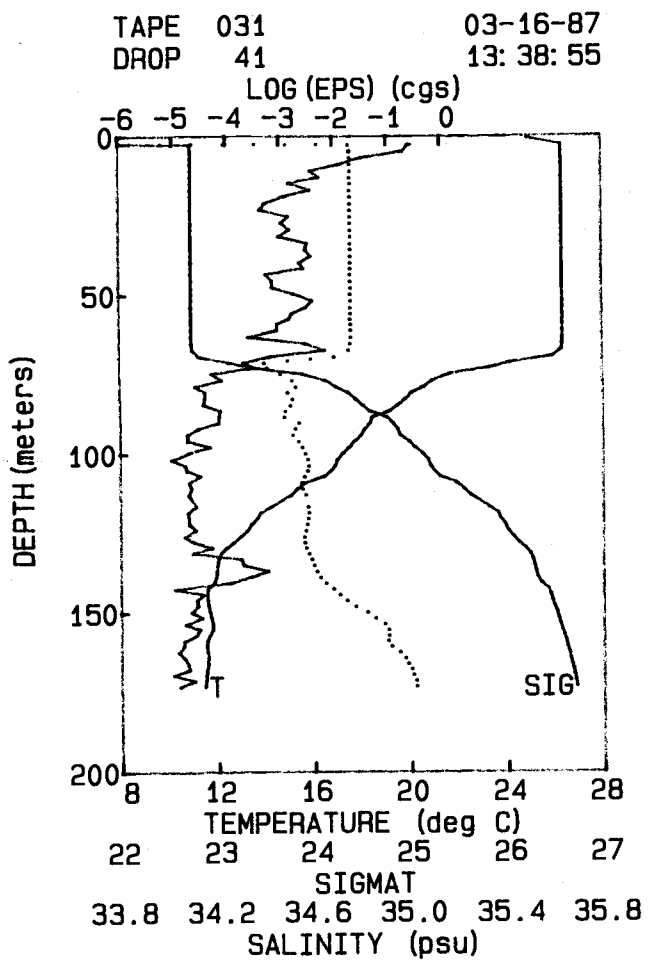
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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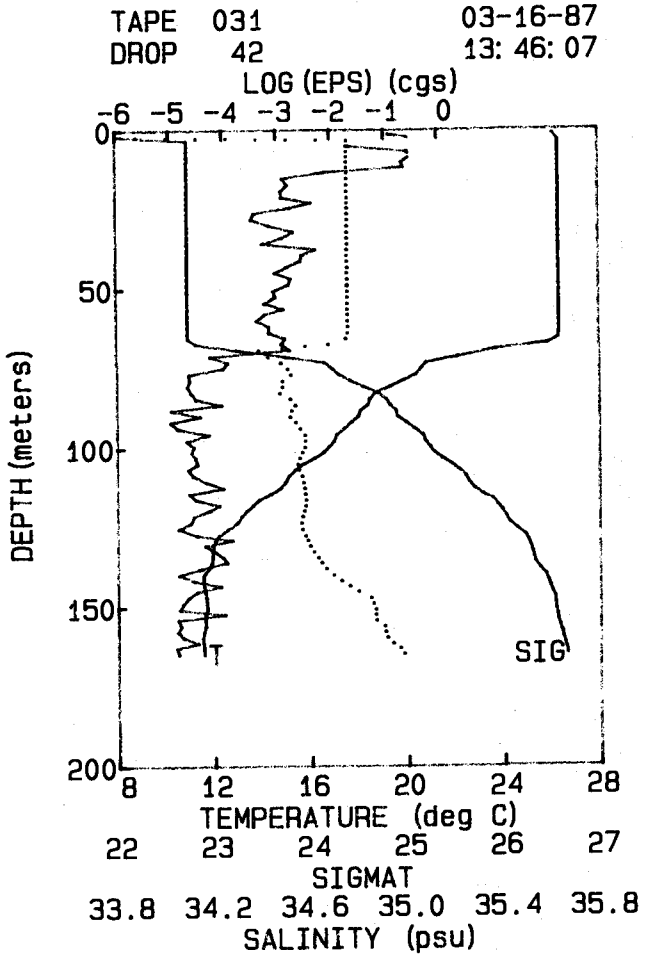
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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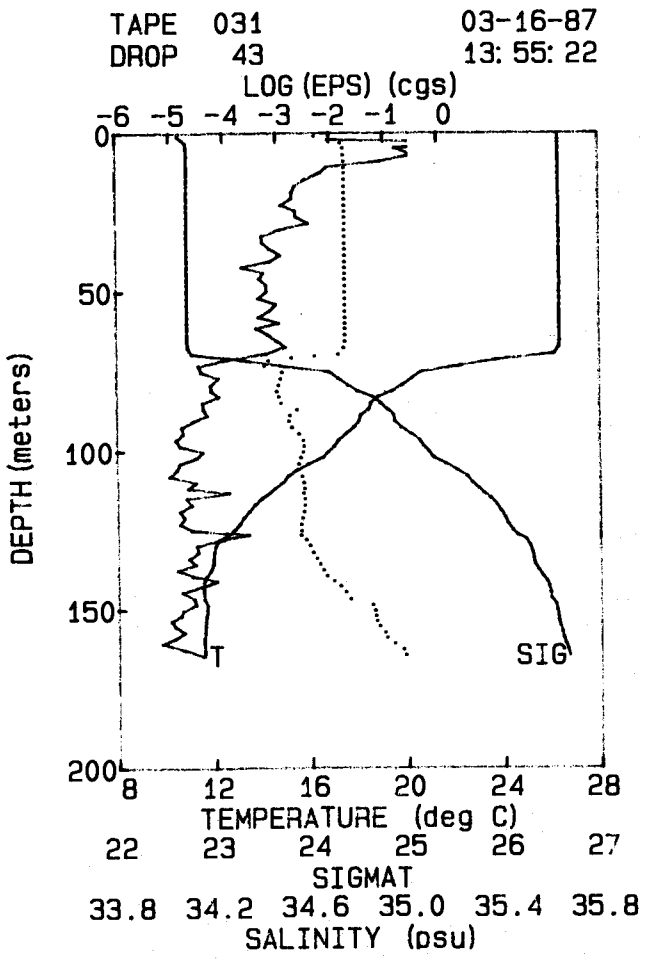
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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150
200
T
SIG
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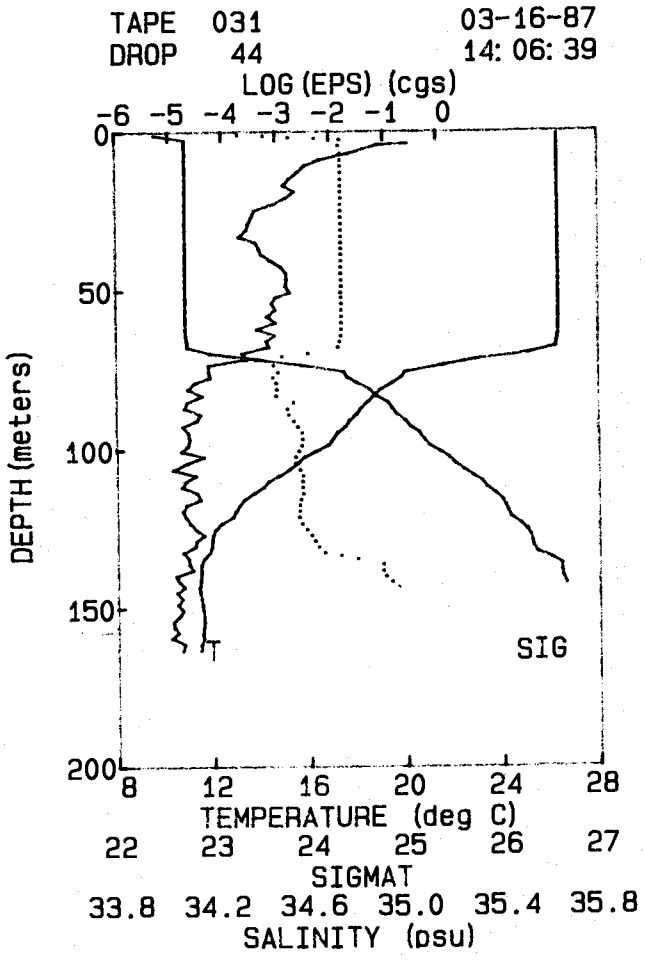
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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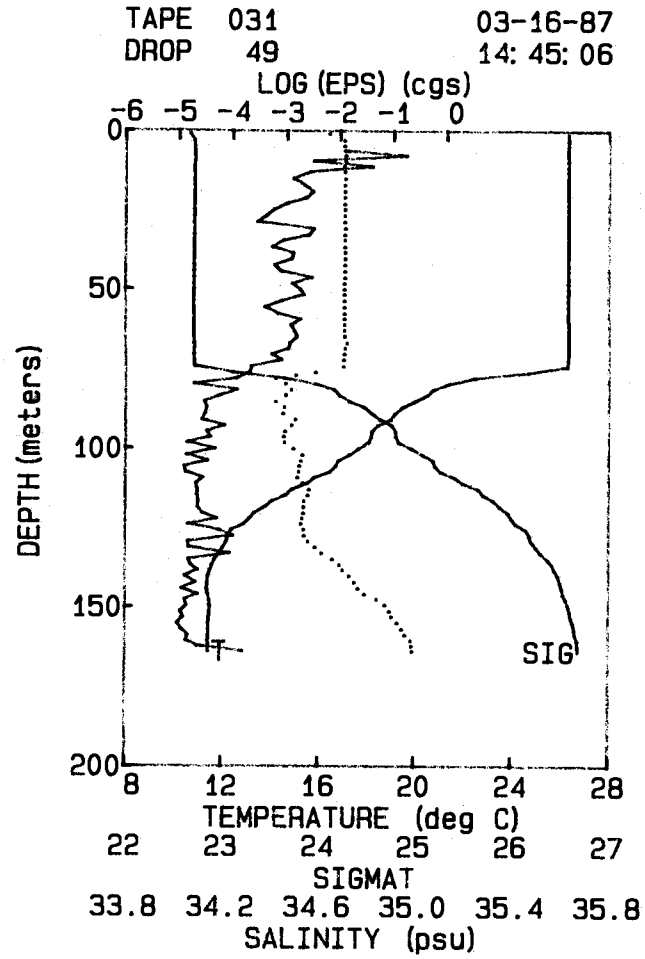
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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150
200
T
SIG
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TEMPERATURE (deg C)
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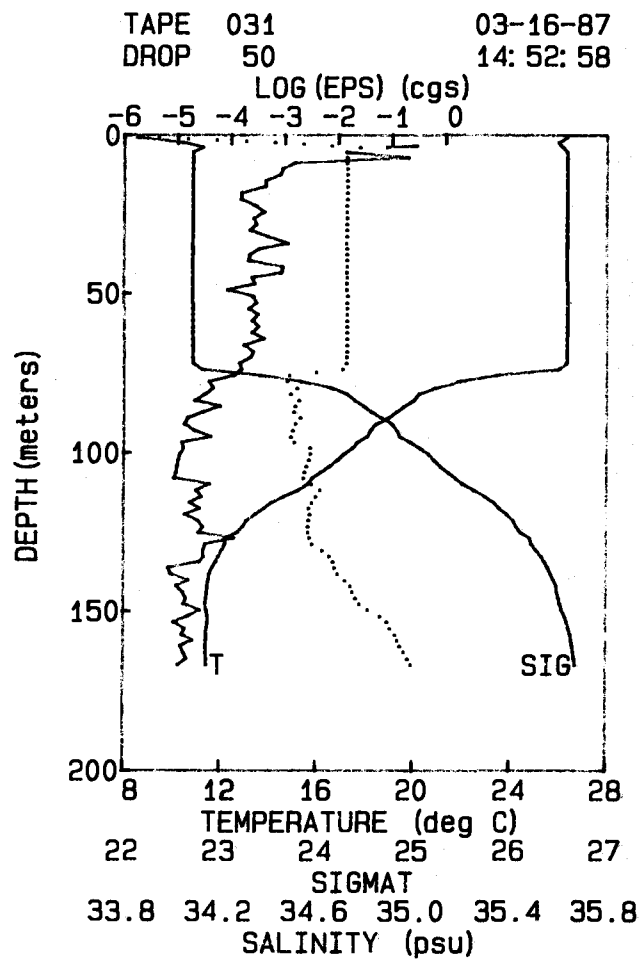
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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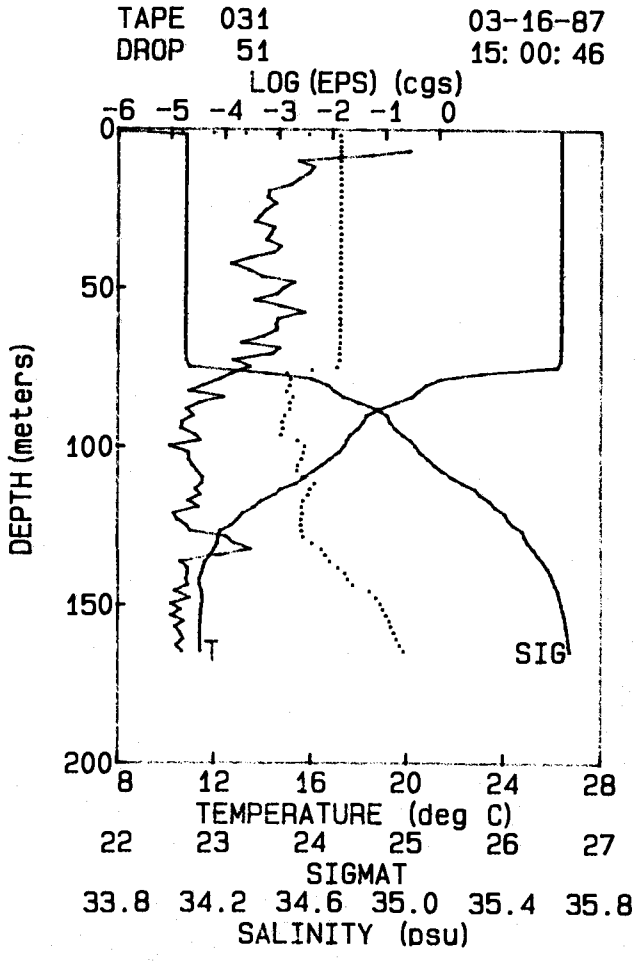
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-16-87
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DEPTH (meters)
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100
150
200
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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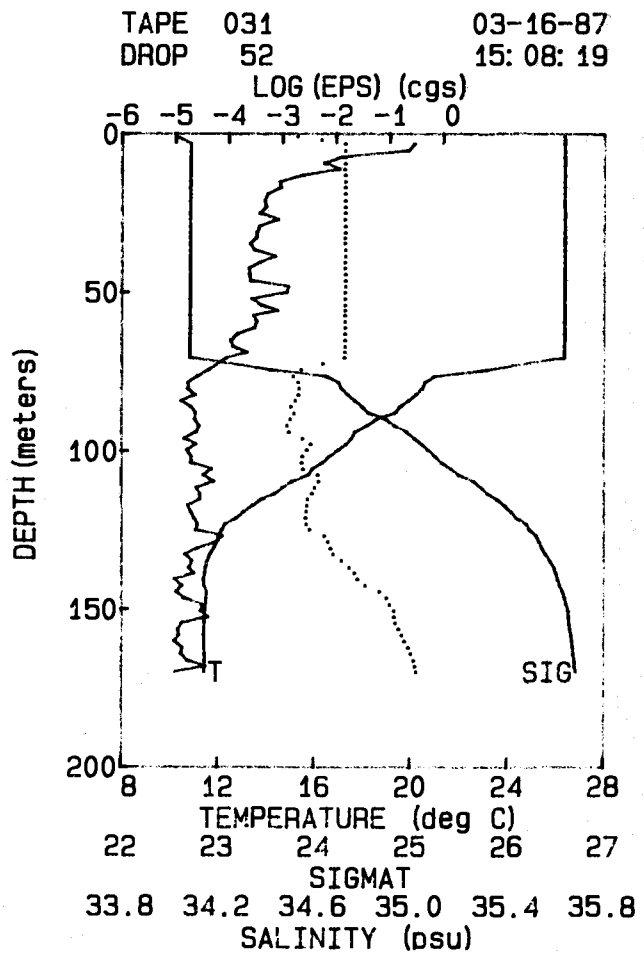
SALINITY (psu)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150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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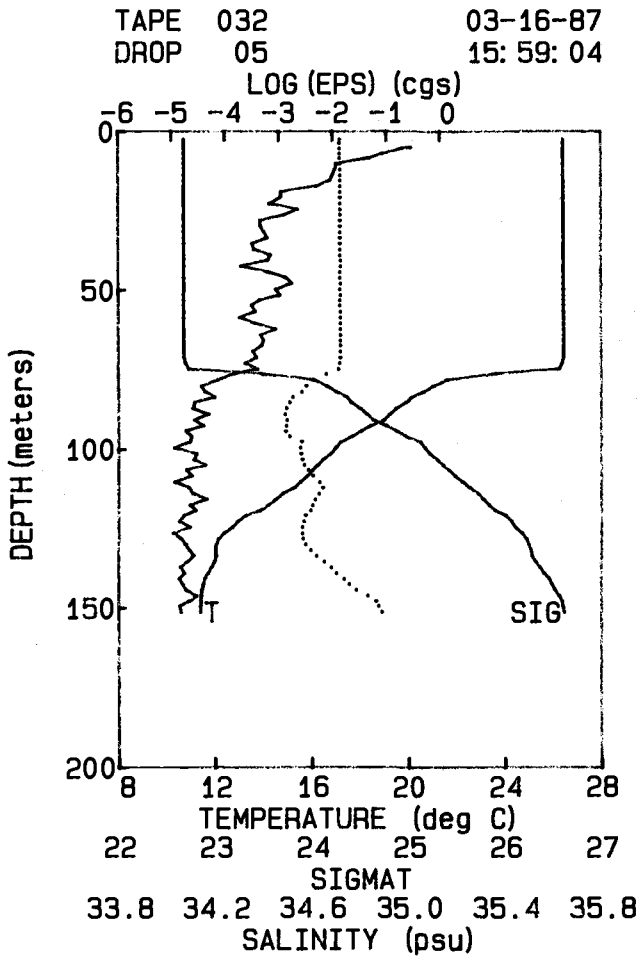
SALINITY (psu)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150
200
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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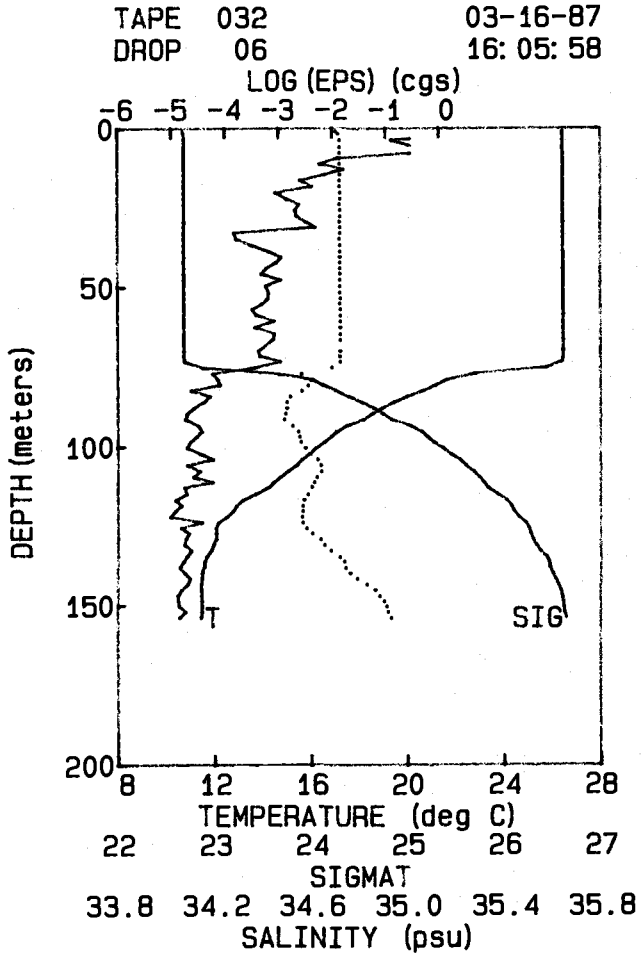
SALINITY (psu)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150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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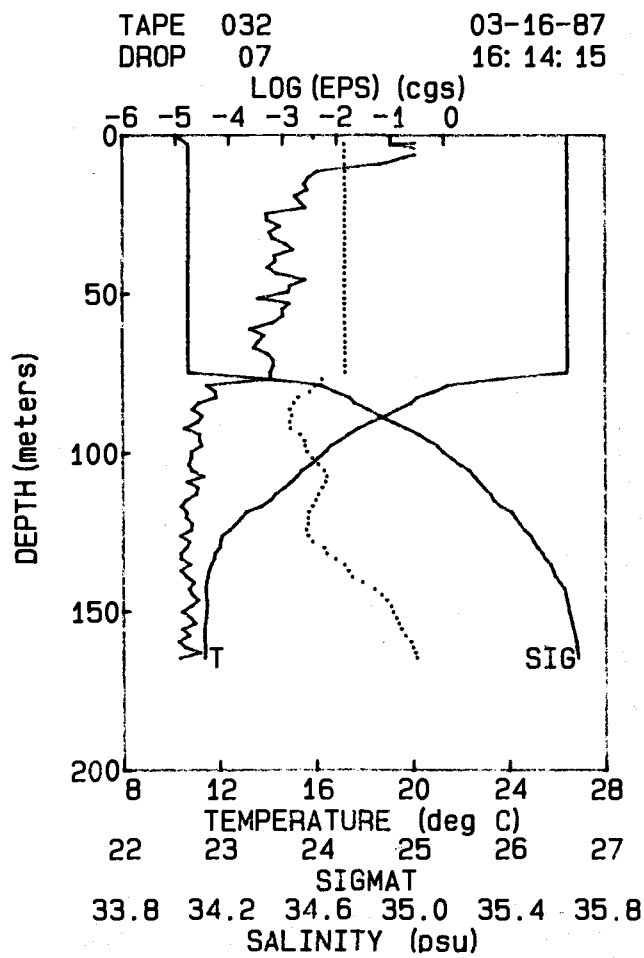
SALINITY (psu)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100
150
200
T
SIG
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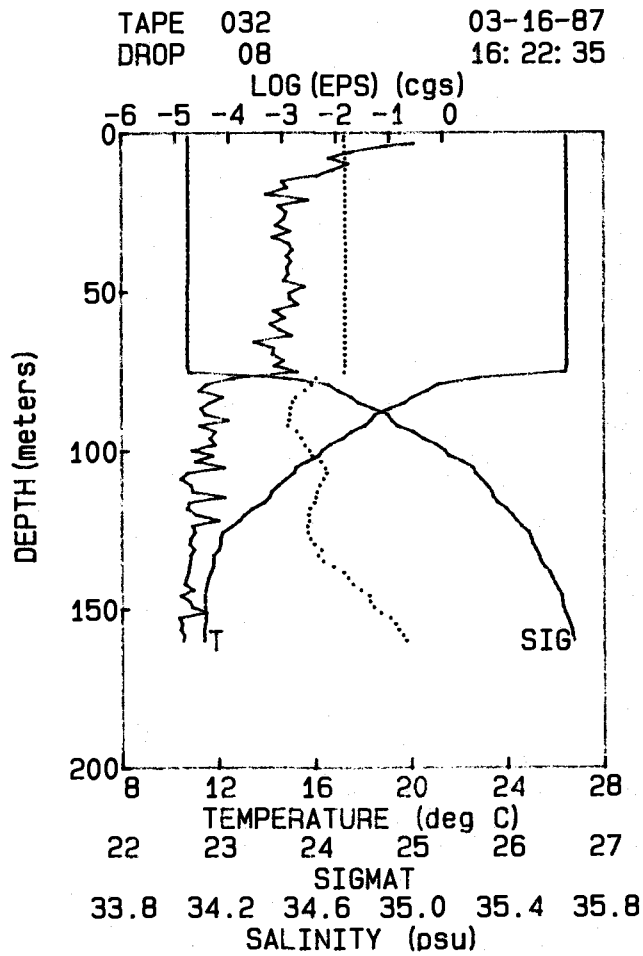
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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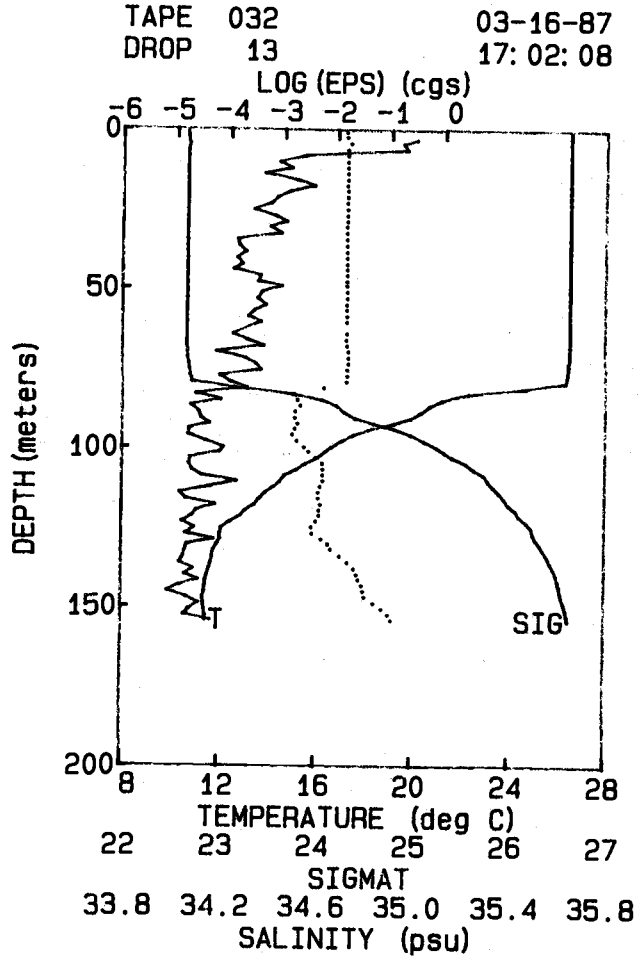
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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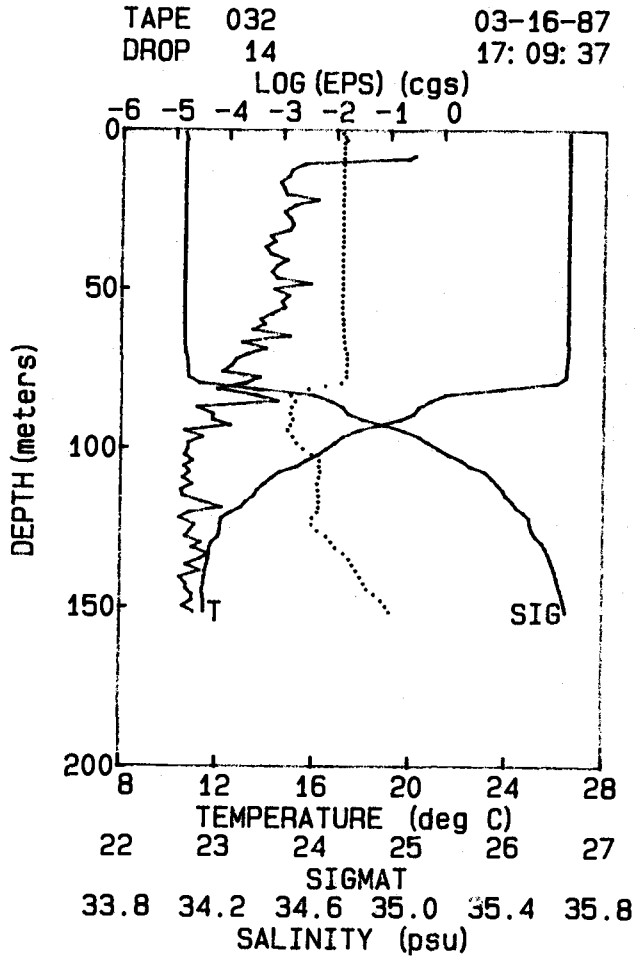
SALINITY (psu)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DEPTH (meters)
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150
200
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SIG
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TEMPERATURE (deg C)
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SIGMAT
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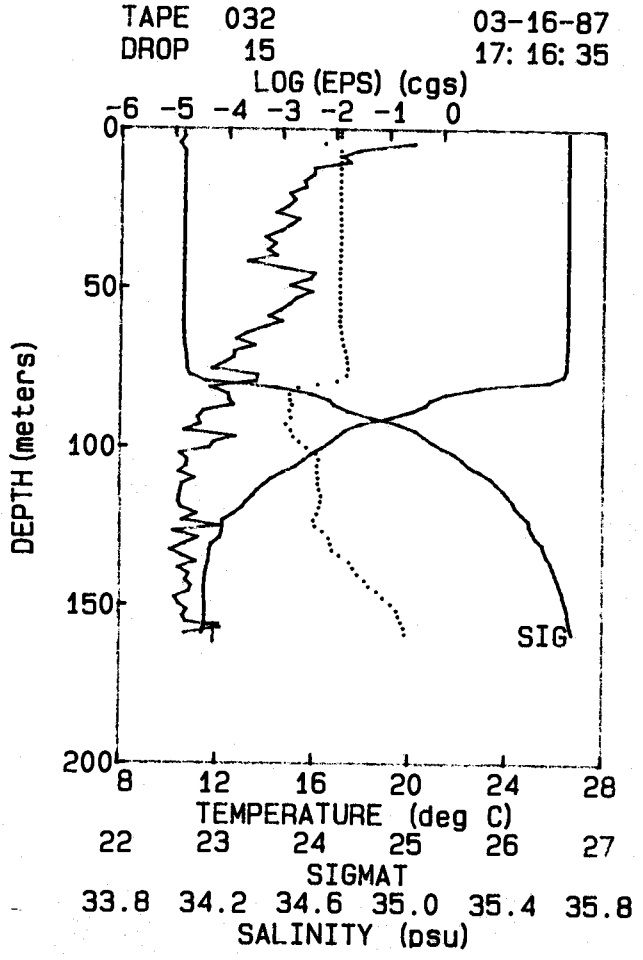
SALINITY (psu)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DEPTH (meters)
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150
200
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SIG
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SIGMAT
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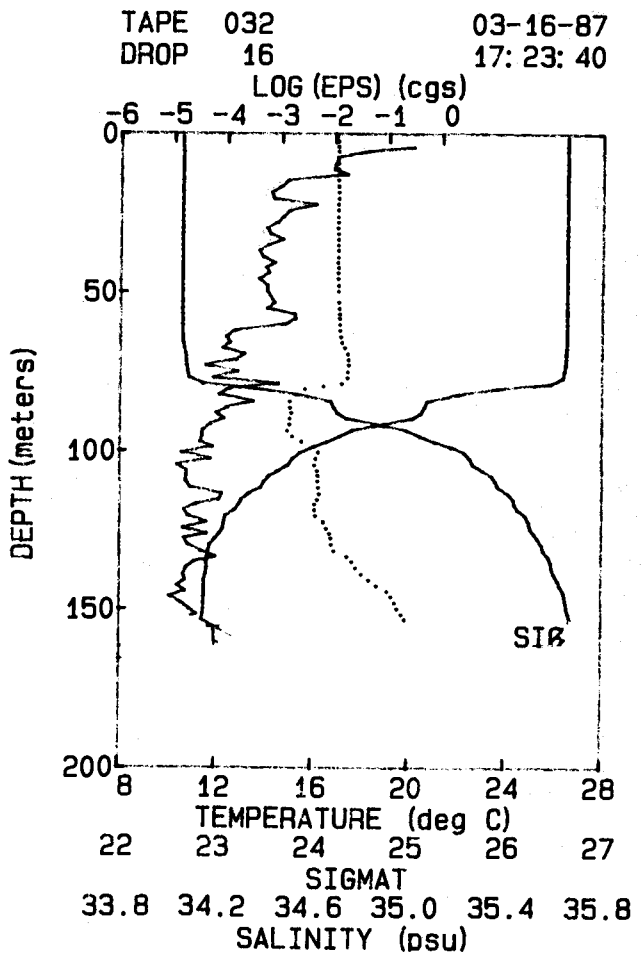
SALINITY (psu)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100
150
200
T
SIG
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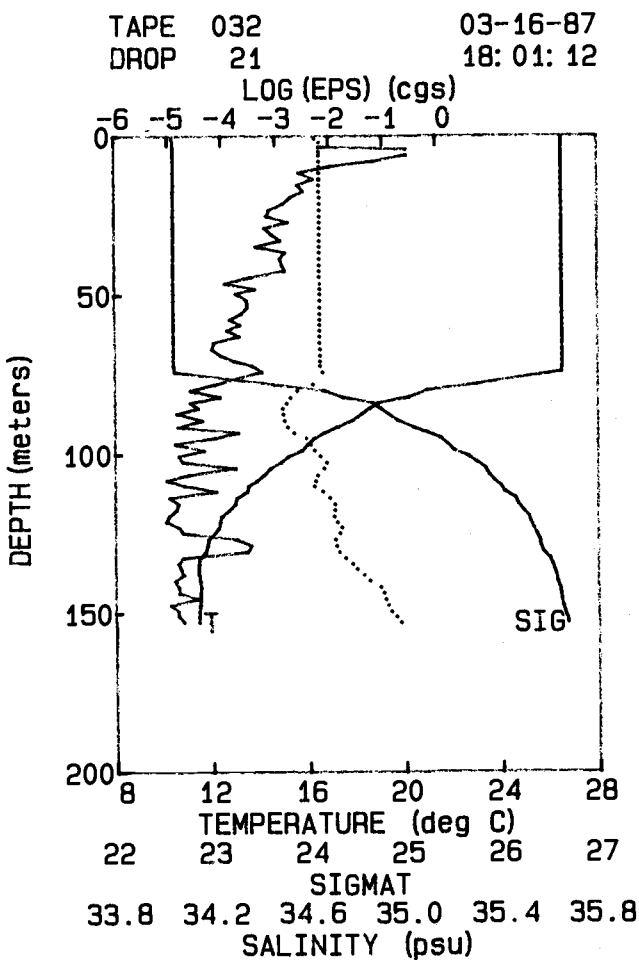
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
T
SIG
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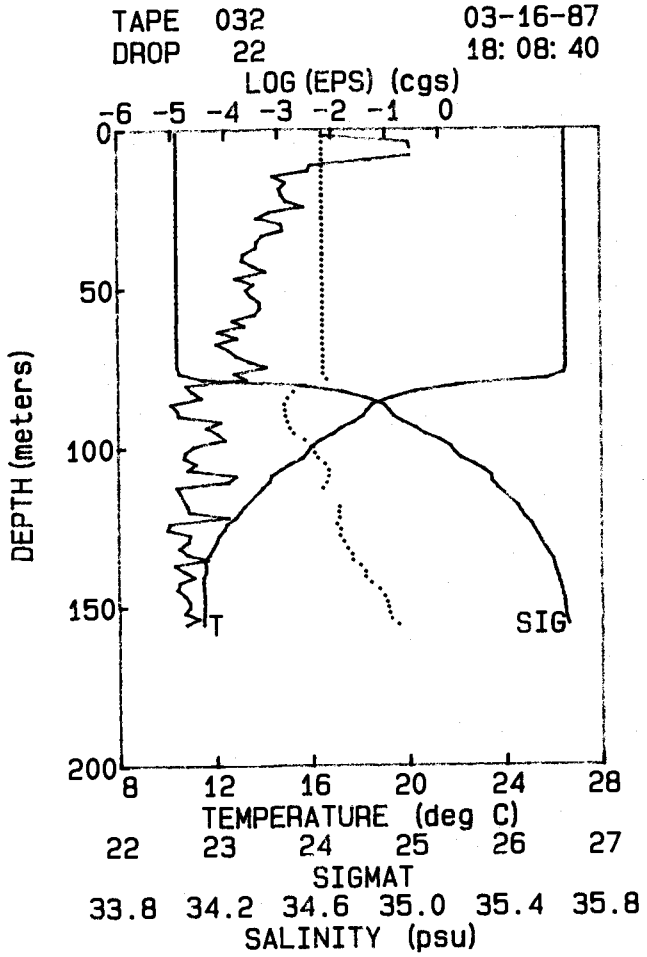
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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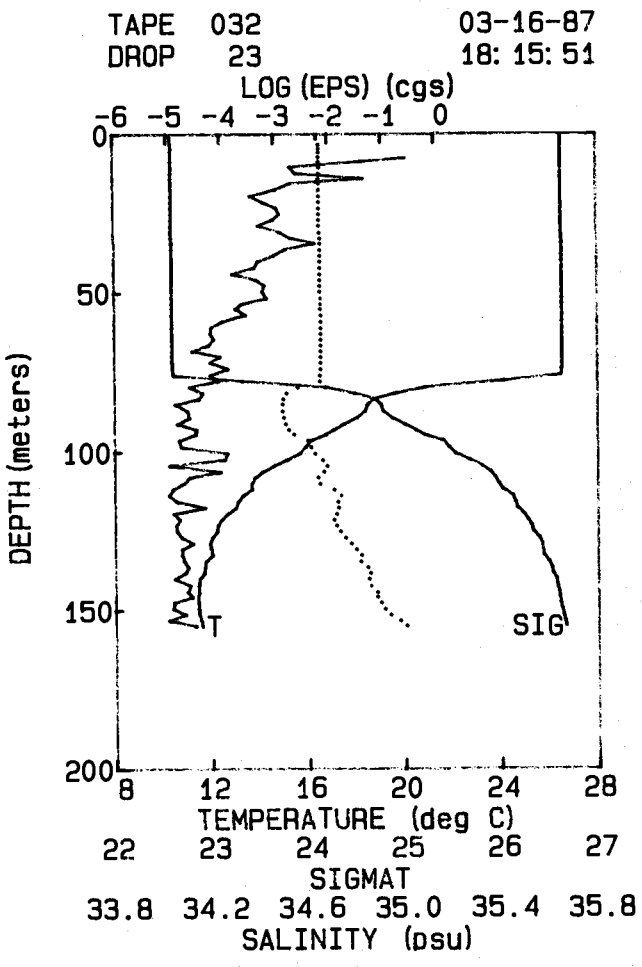
SALINITY (psu)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SIG
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TEMPERATURE (deg C)
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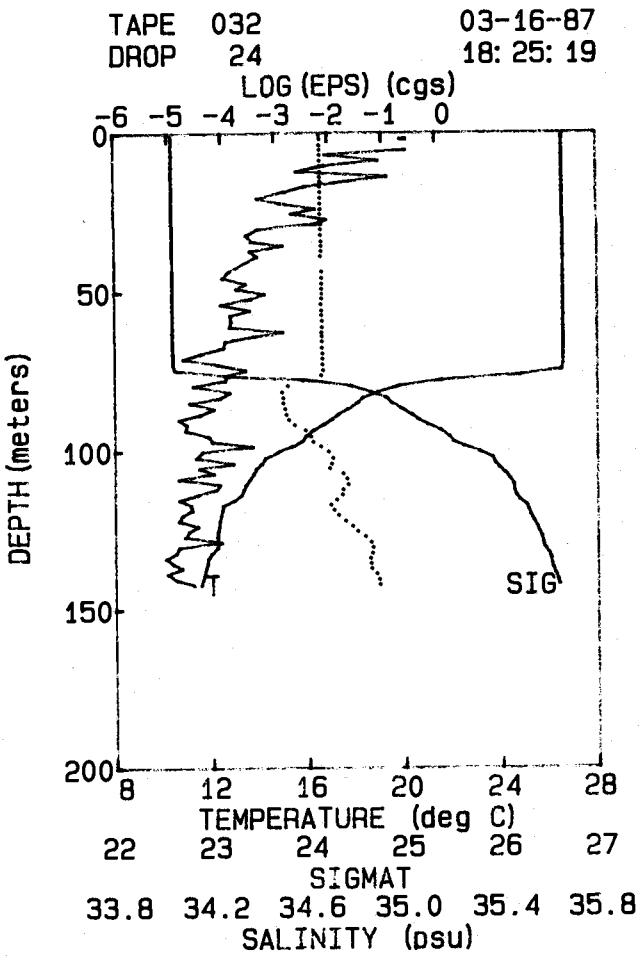
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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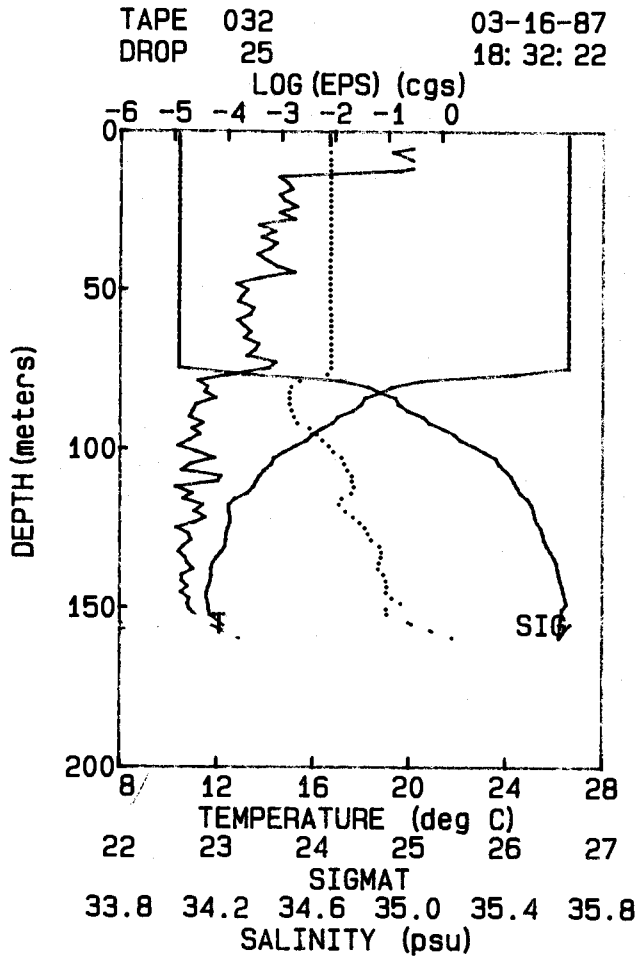
03-16-87
18: 25: 19
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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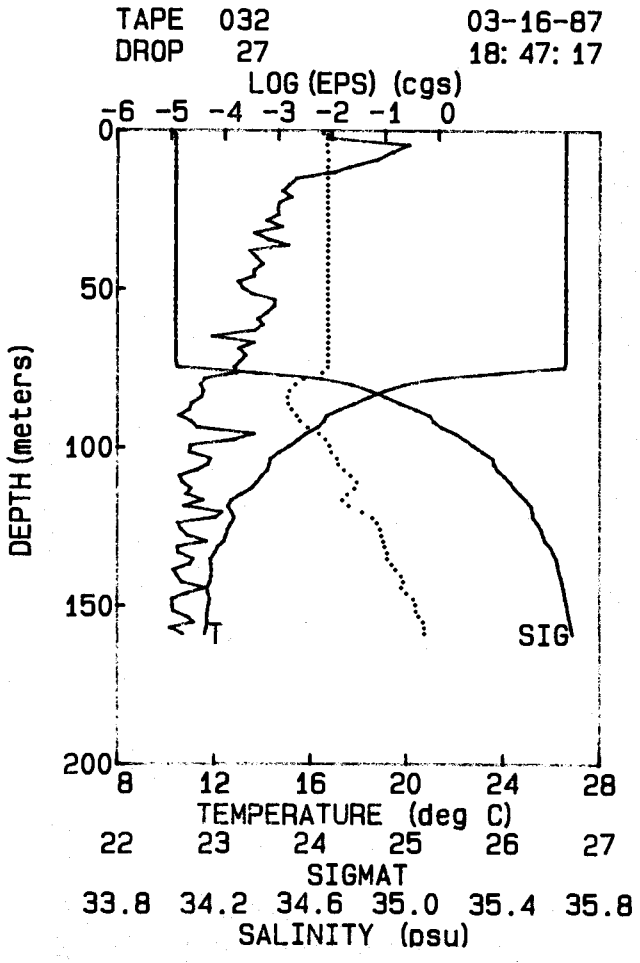
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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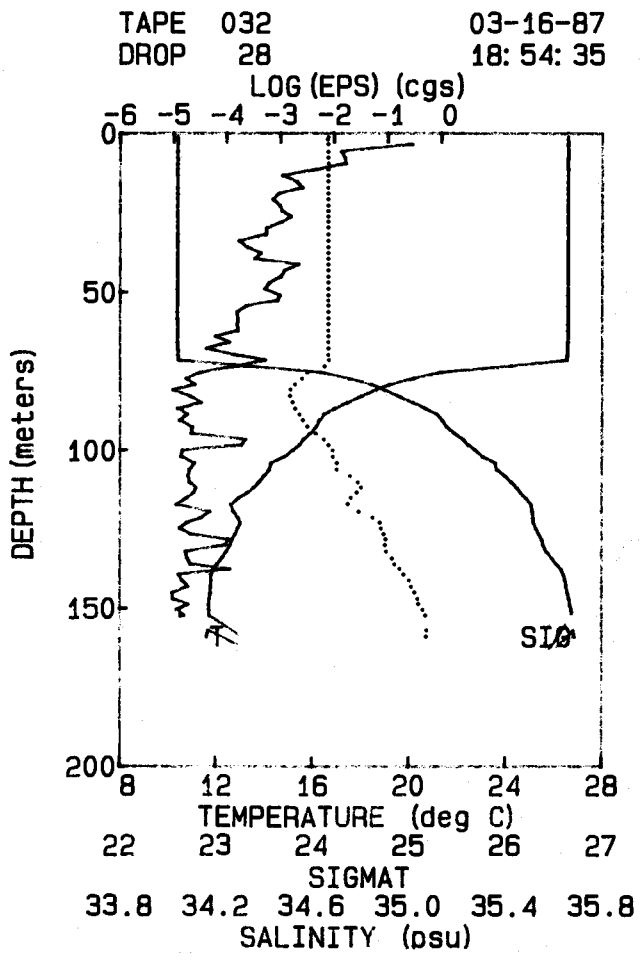
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
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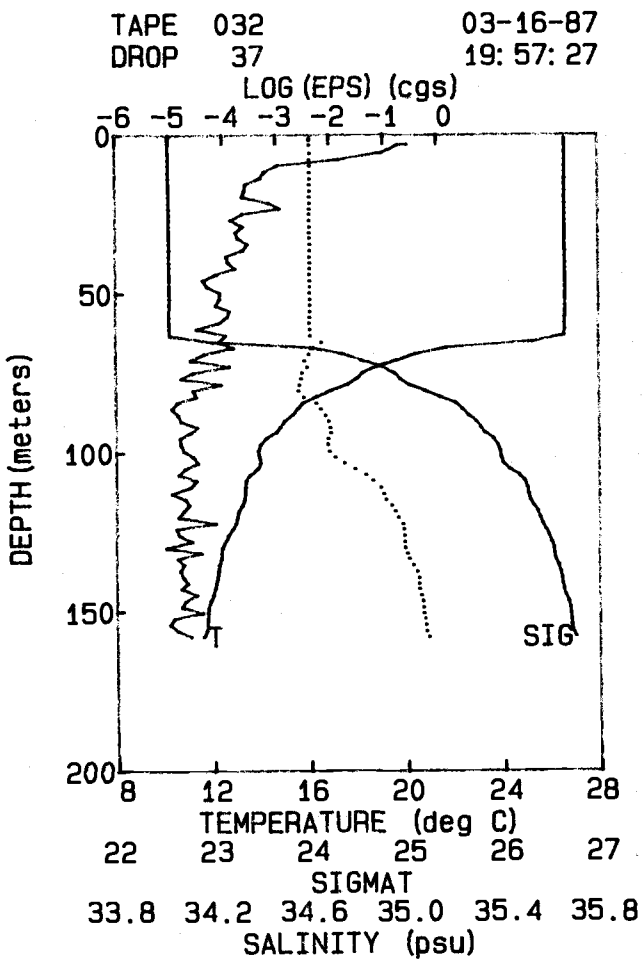
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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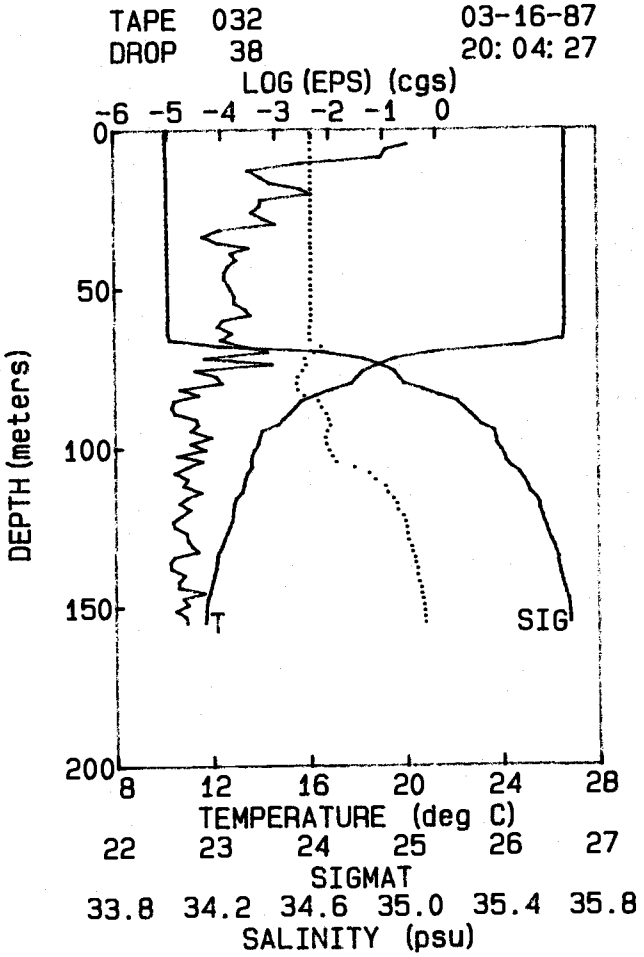
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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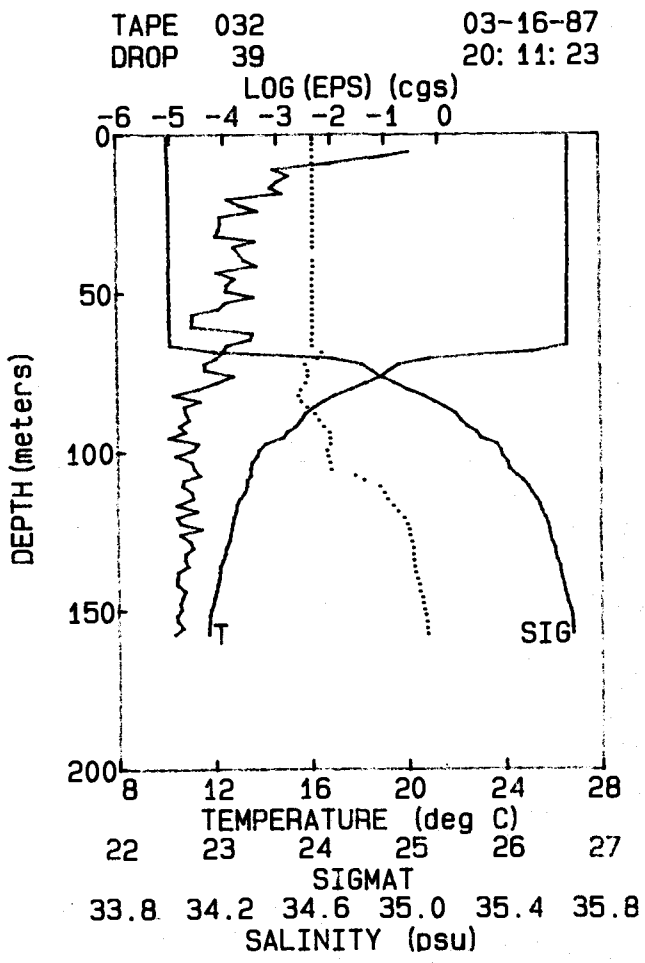
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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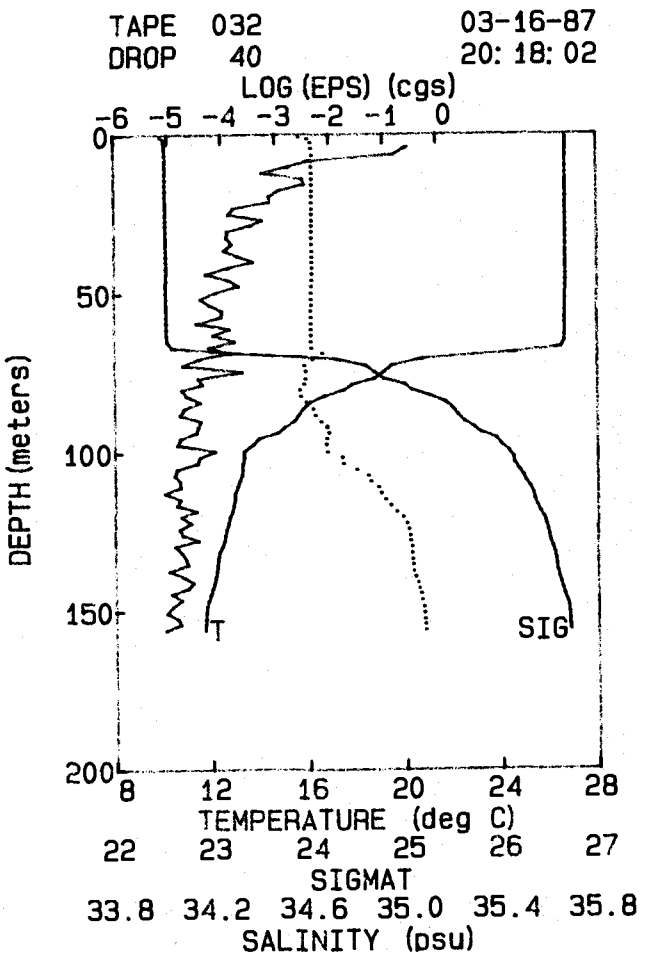
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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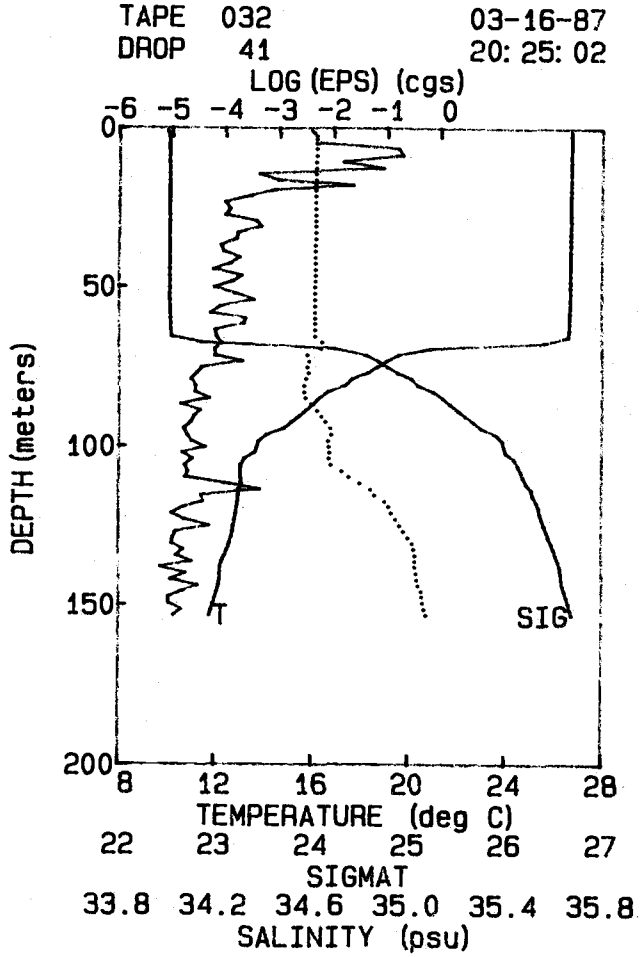
SALINITY (psu)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150
200
DEPTH (meters)
T
SIG
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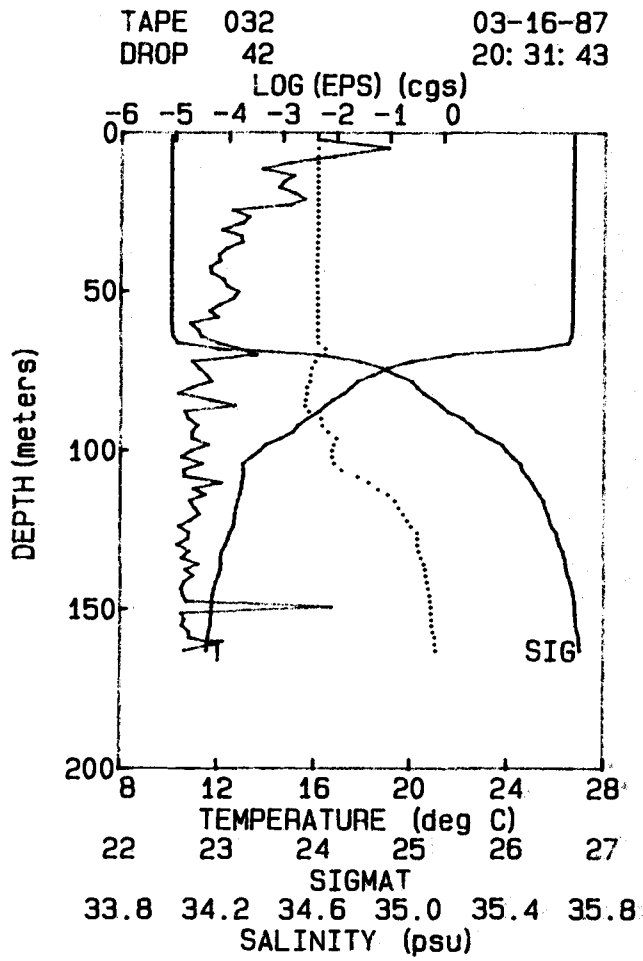
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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0
50
100
150
200
DEPTH (meters)
T
SIG
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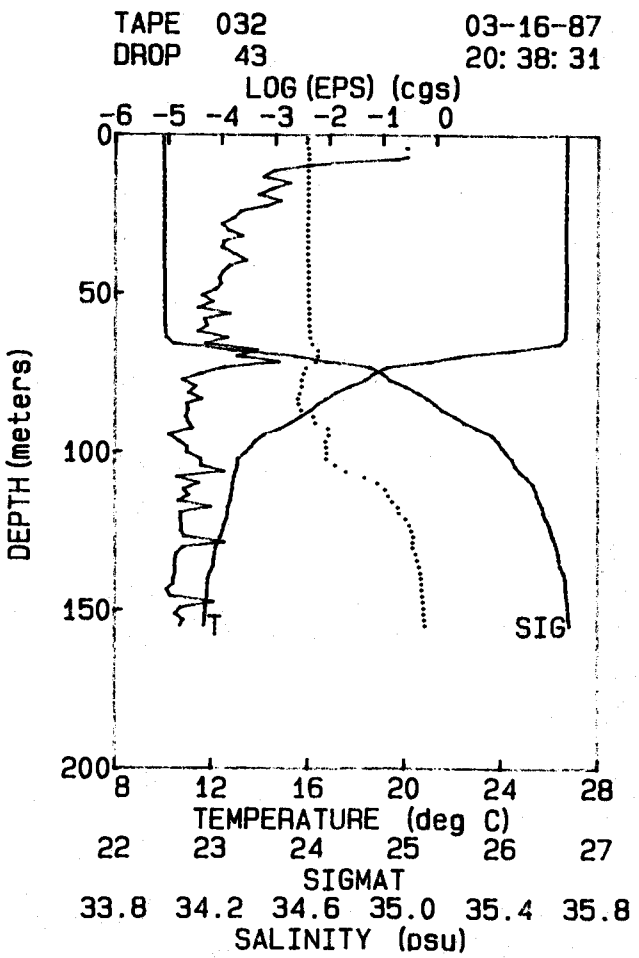
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
DEPTH (meters)
T
SIG
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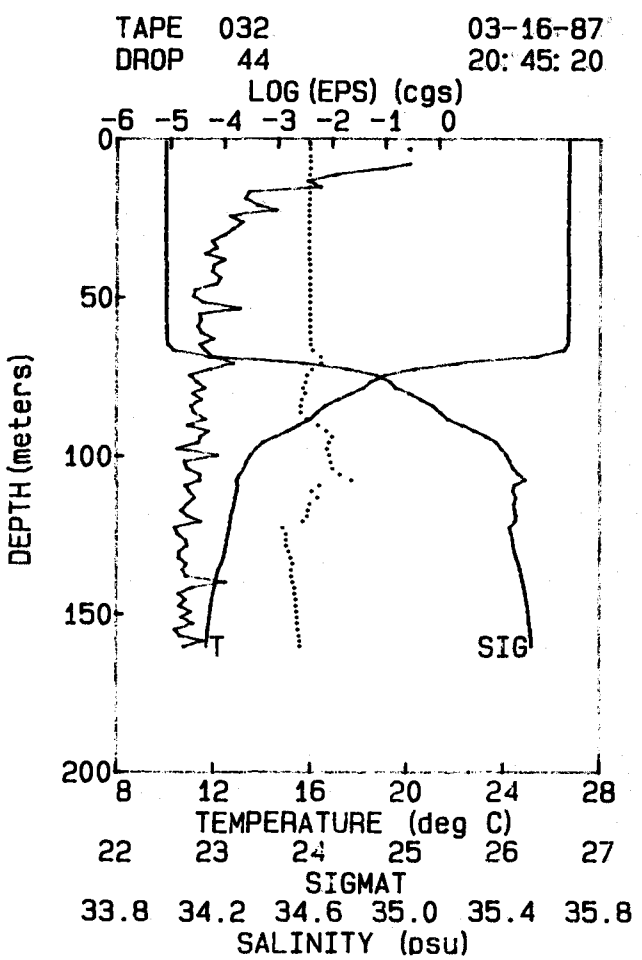
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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50
100
150
200
DEPTH (meters)
T
SIG
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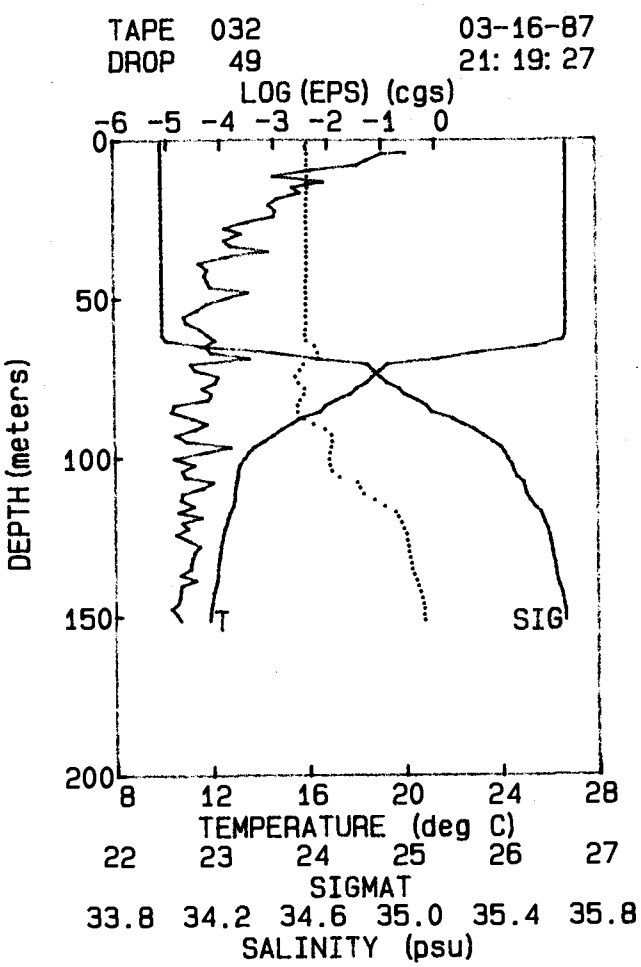
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
T
SIG
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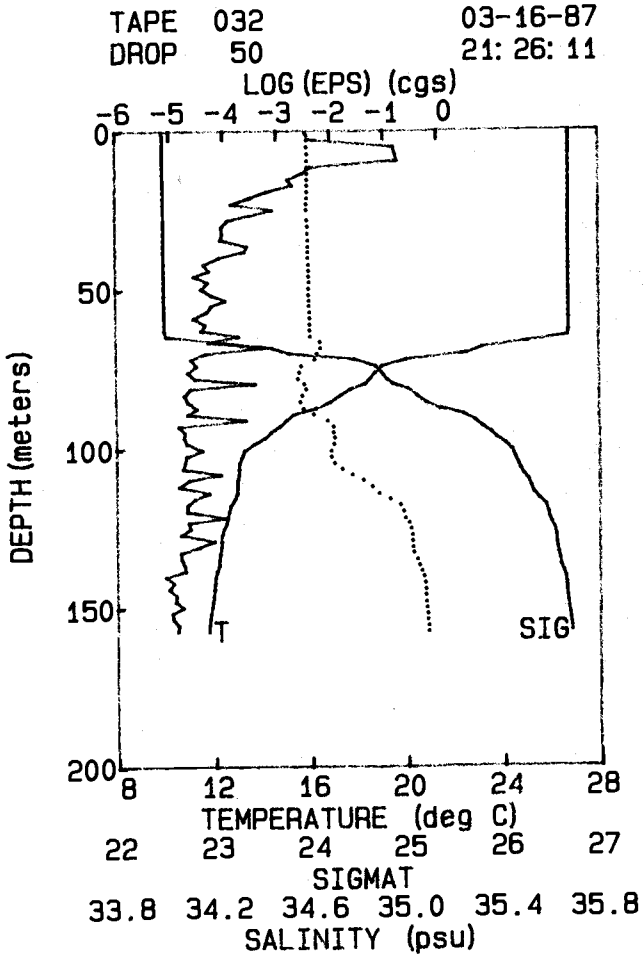
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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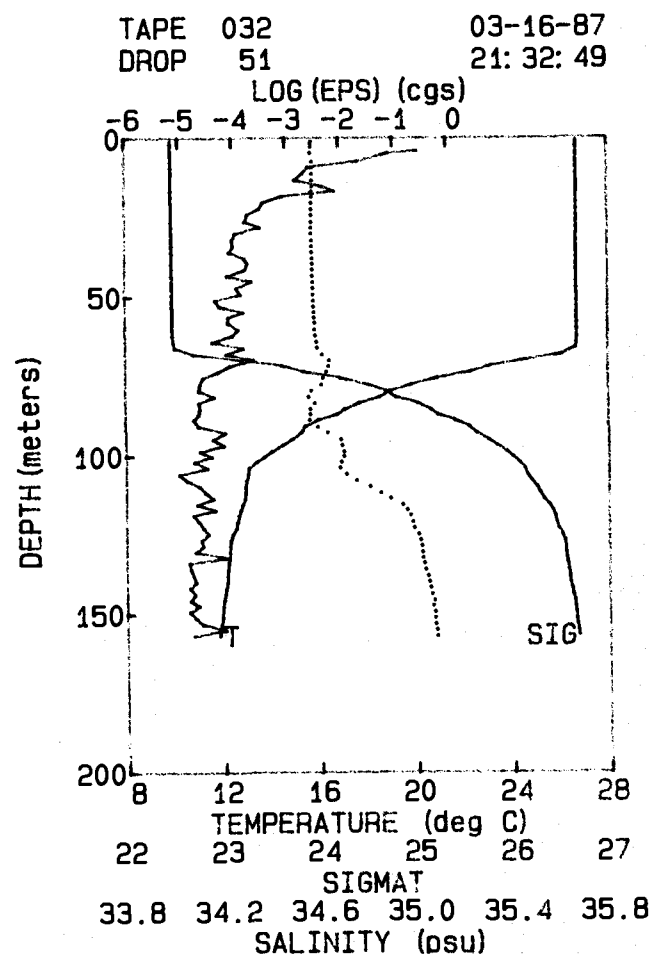
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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TEMPERATURE (deg C)
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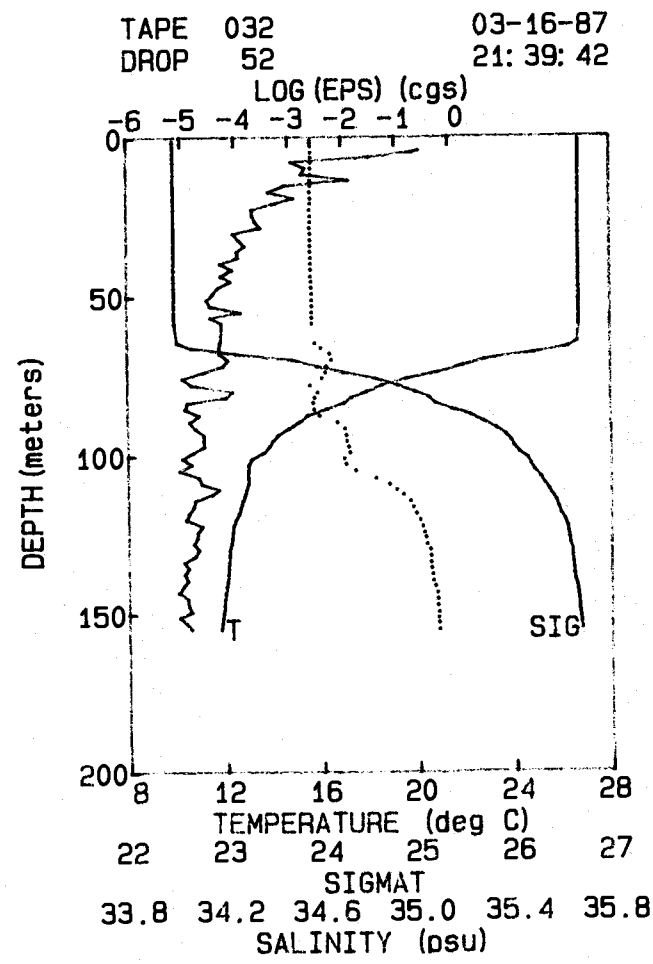
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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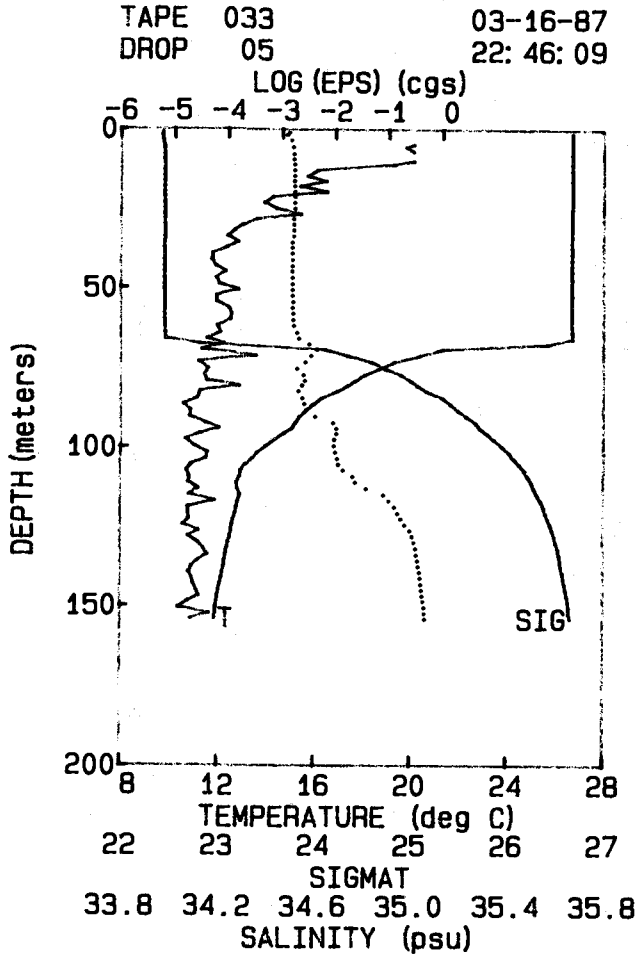
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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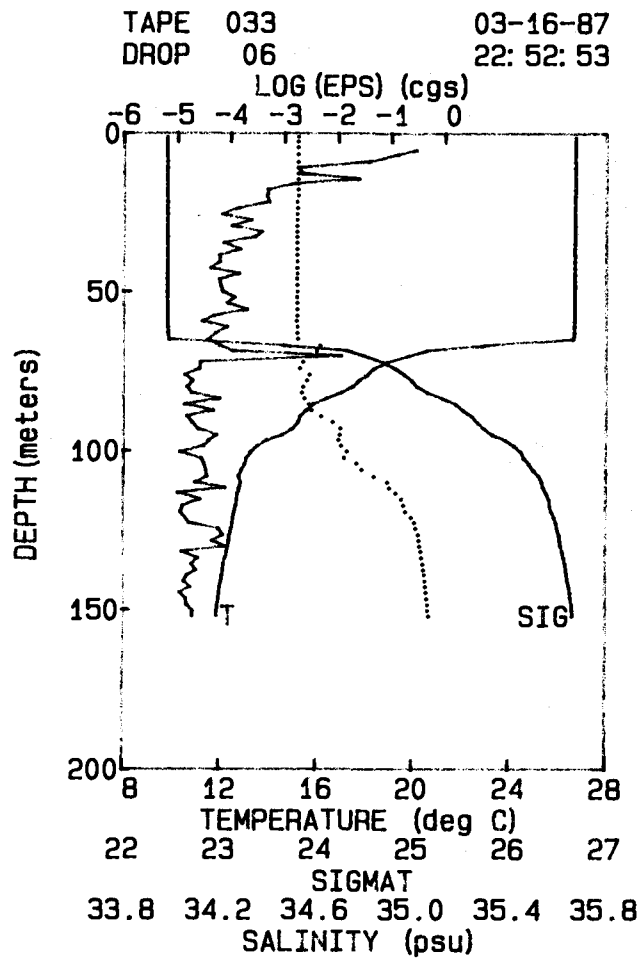
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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TEMPERATURE (deg C)
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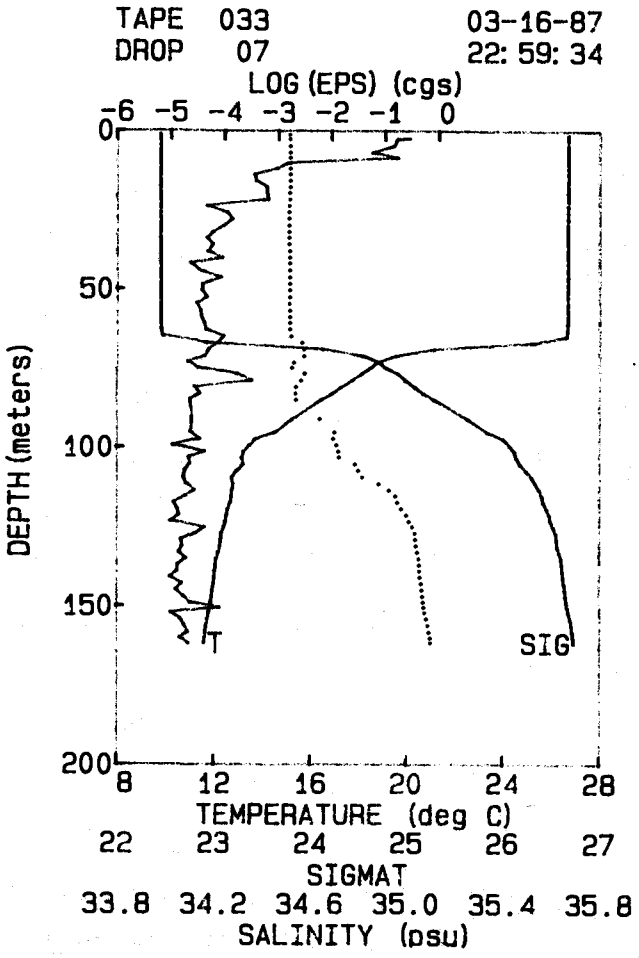
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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150
200
T
SIG
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SIGMAT
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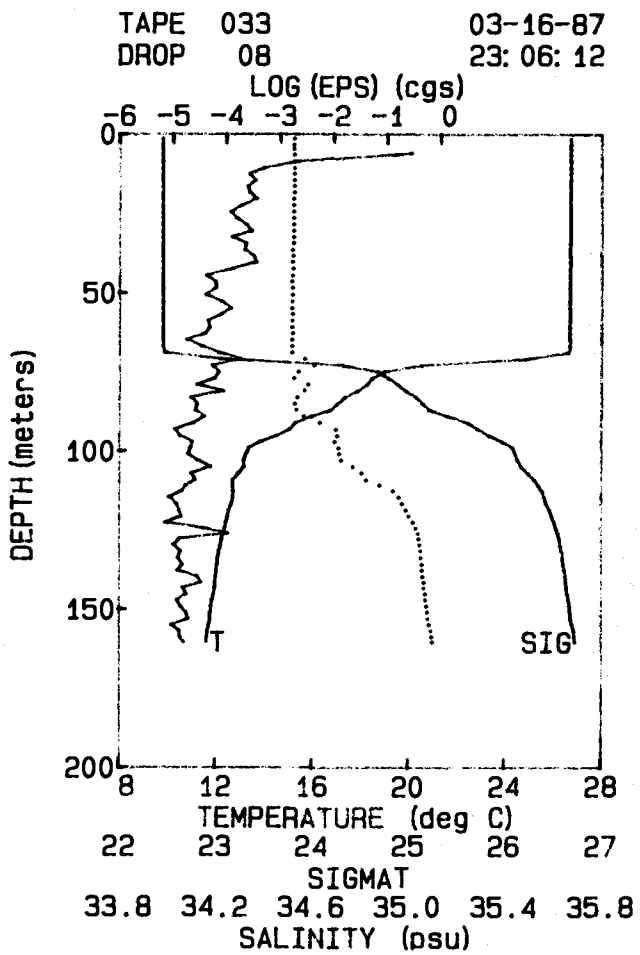
SALINITY (psu)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200
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SIG
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SIGMAT
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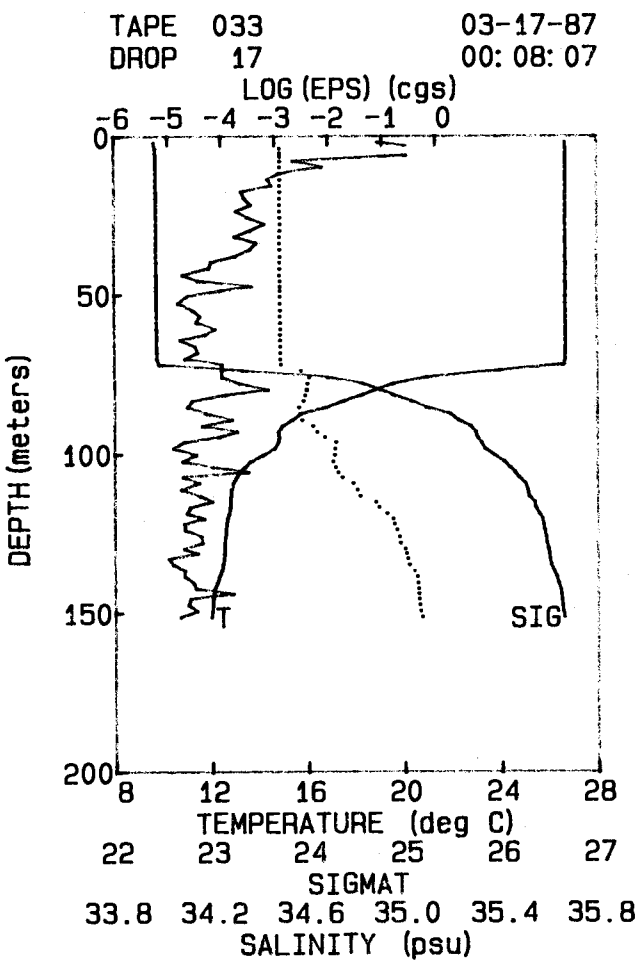
SALINITY (psu)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100
150
200
T
SIG
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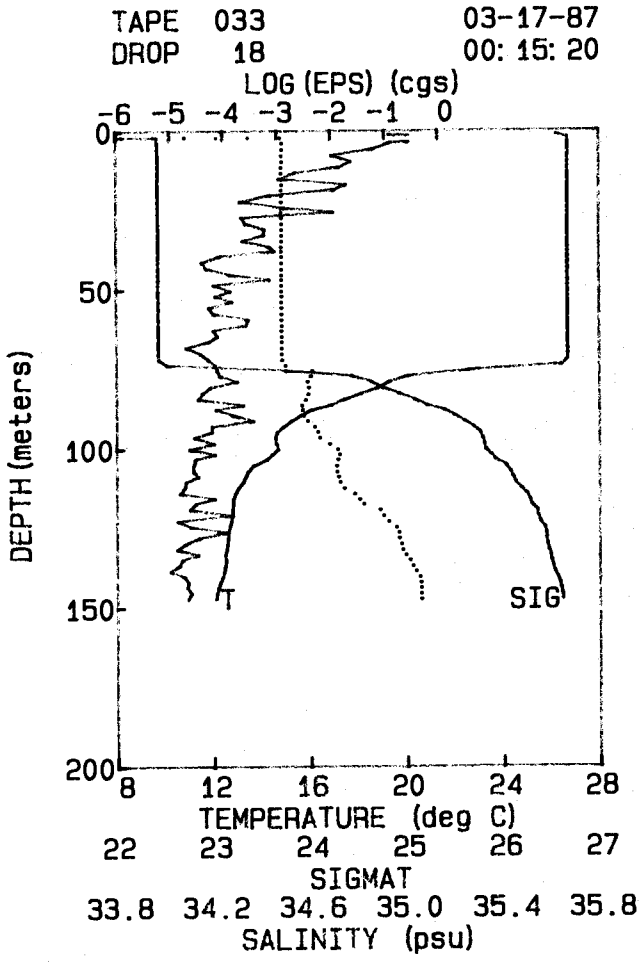
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
T
SIG
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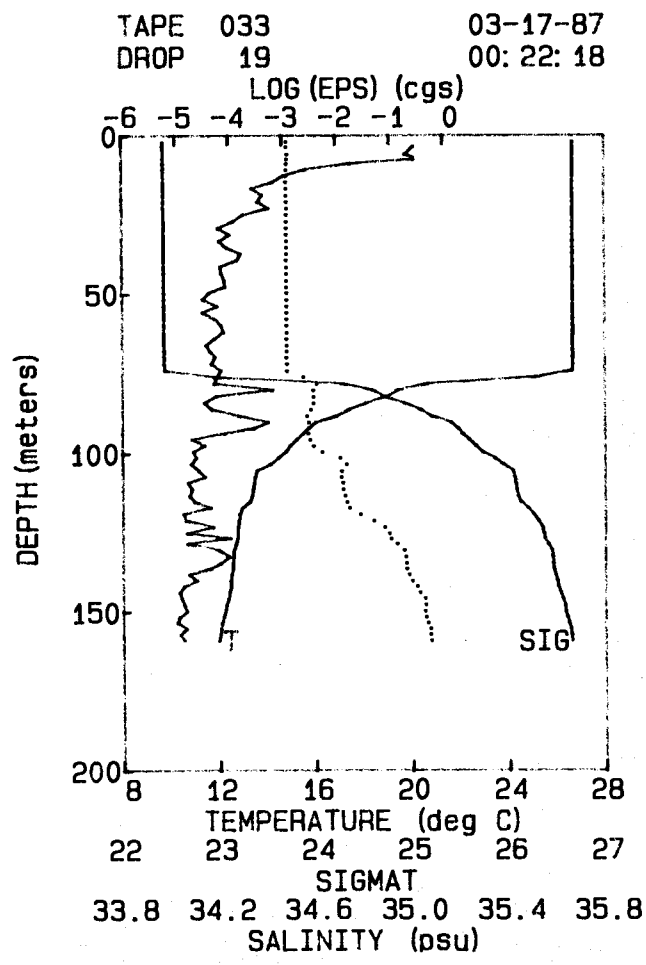
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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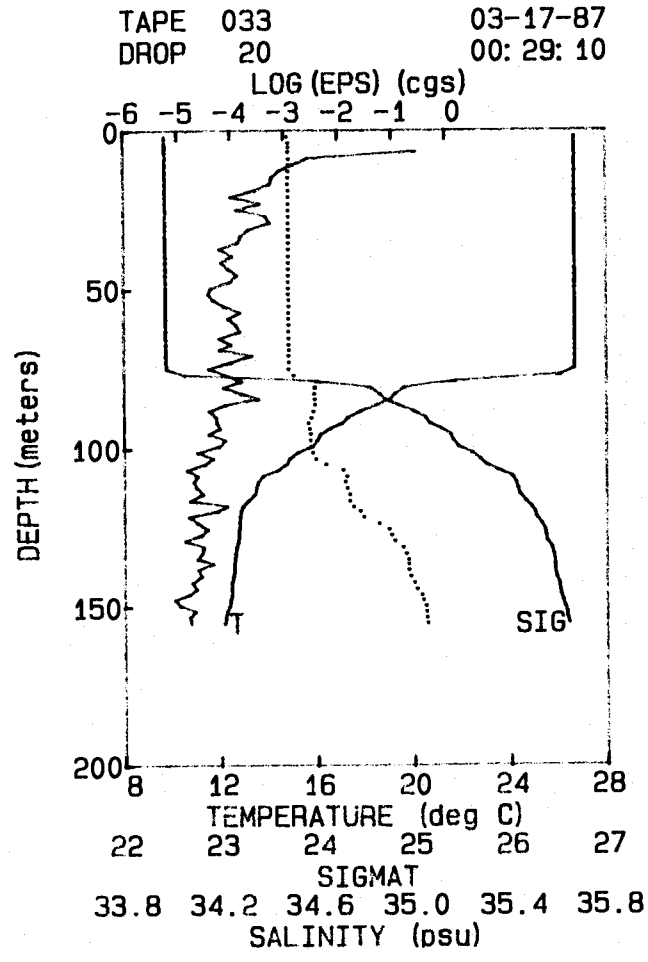
SALINITY (psu)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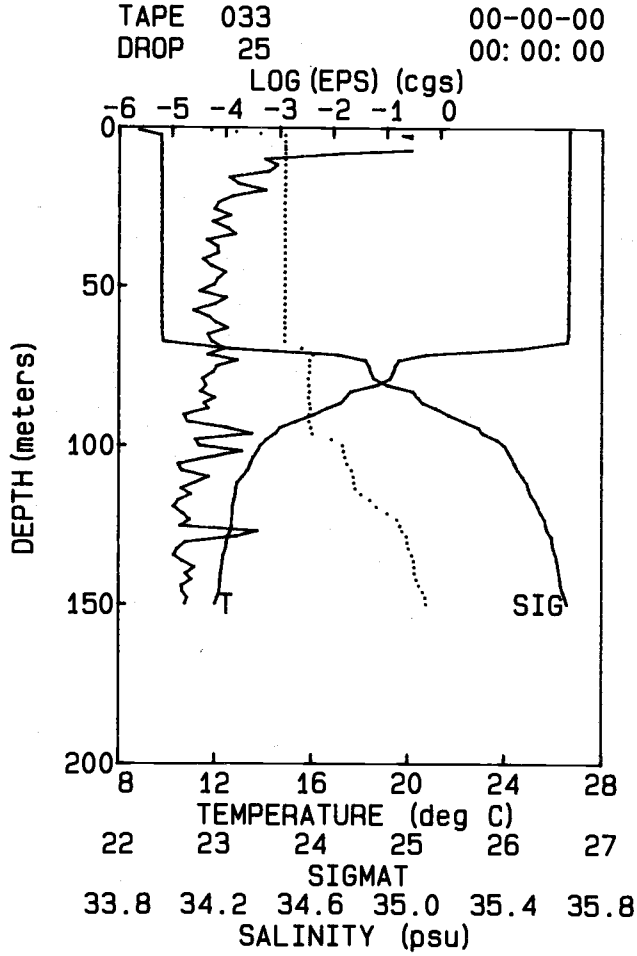
SALINITY (psu)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150
200
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SIG
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SIGMAT
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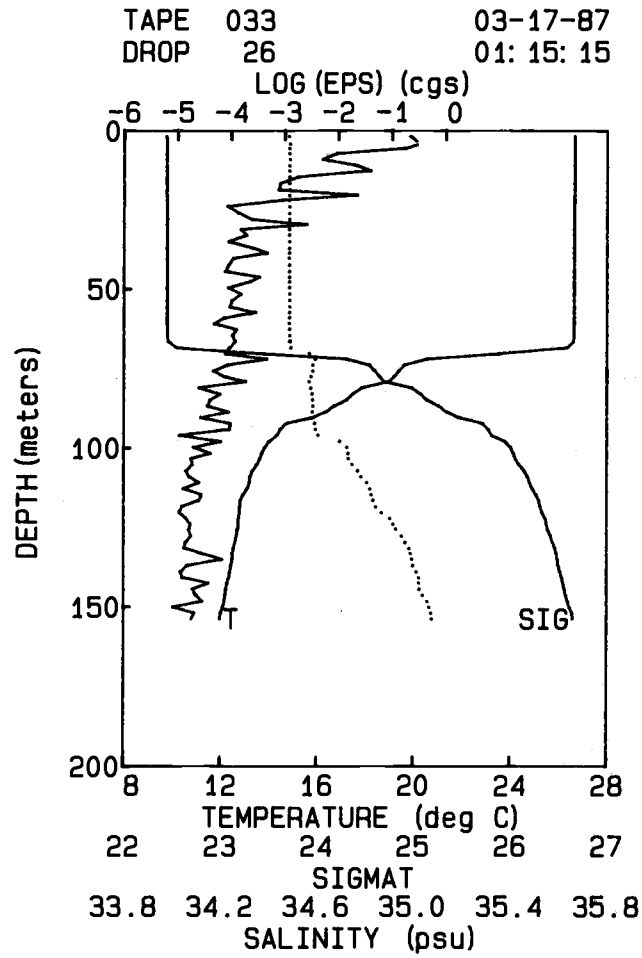
SALINITY (psu)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100
150
200
T
SIG
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22 23 24 25 26 27
SIGMAT
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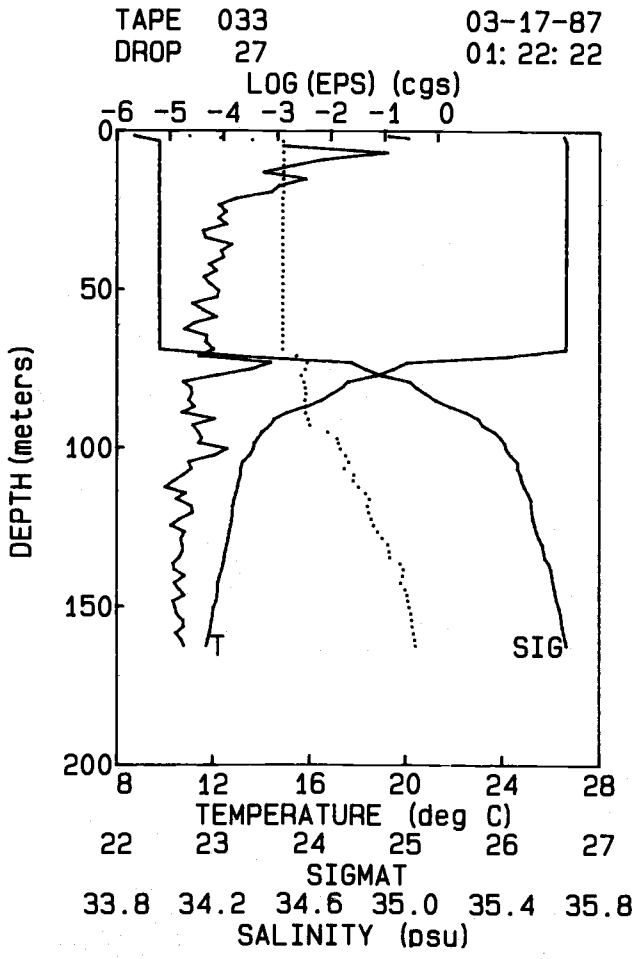
SALINITY (psu)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100
150
200
T
SIG
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TEMPERATURE (deg C)
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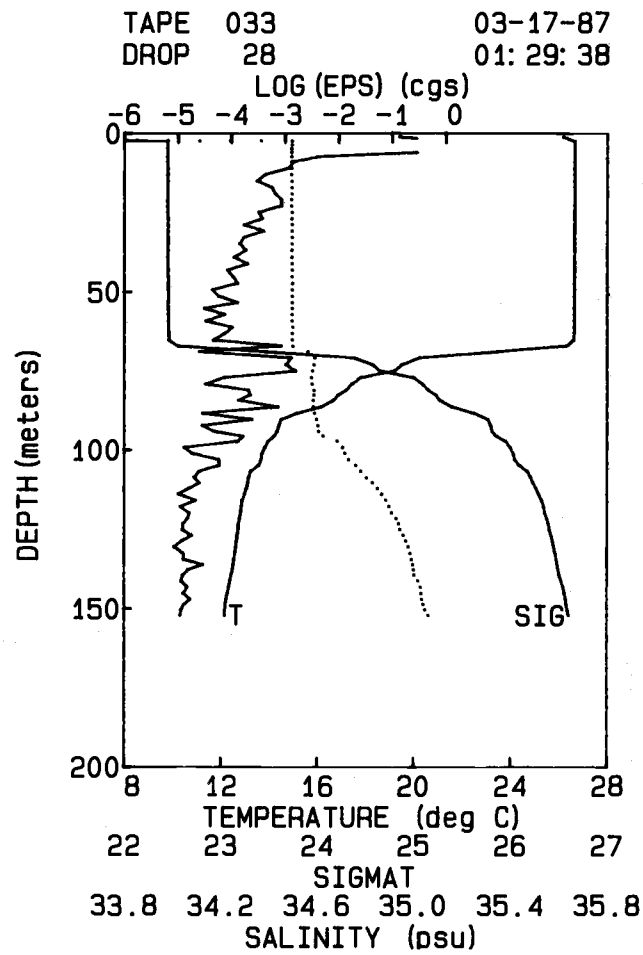
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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SIG
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SIGMAT
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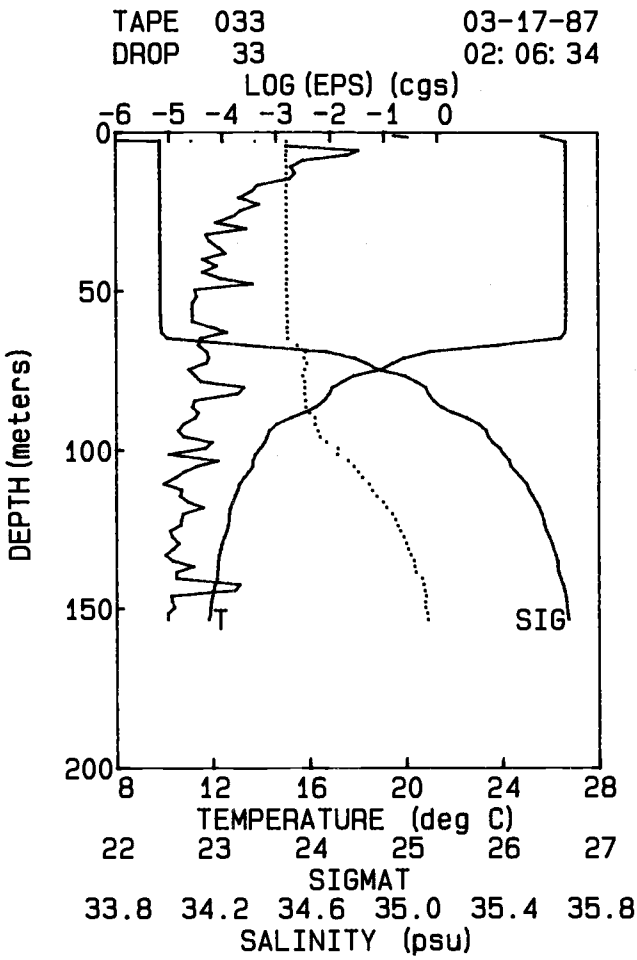
SALINITY (psu)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150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
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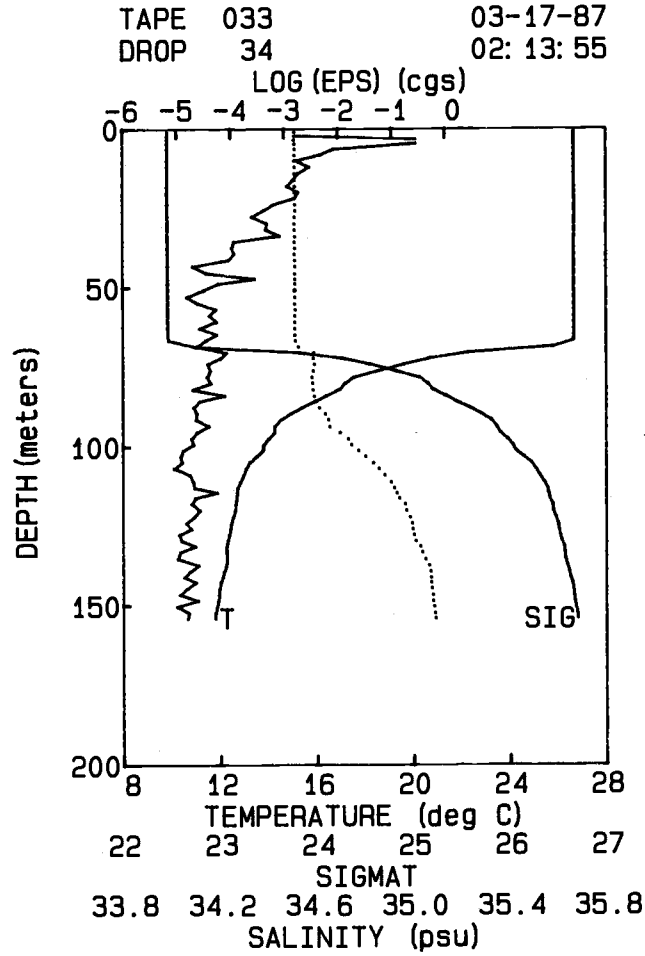
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 34 02: 13: 55
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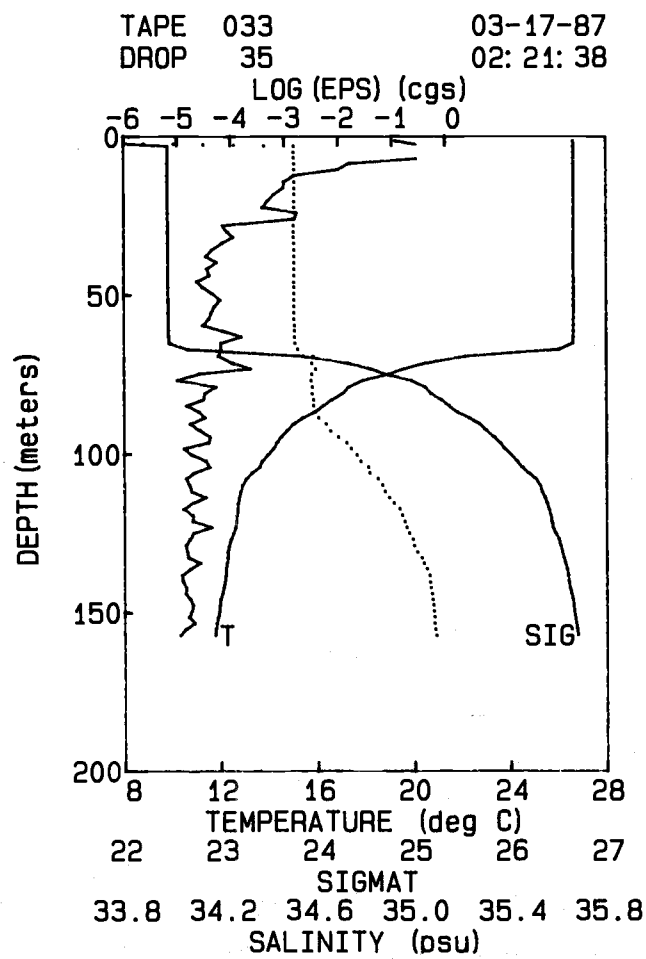
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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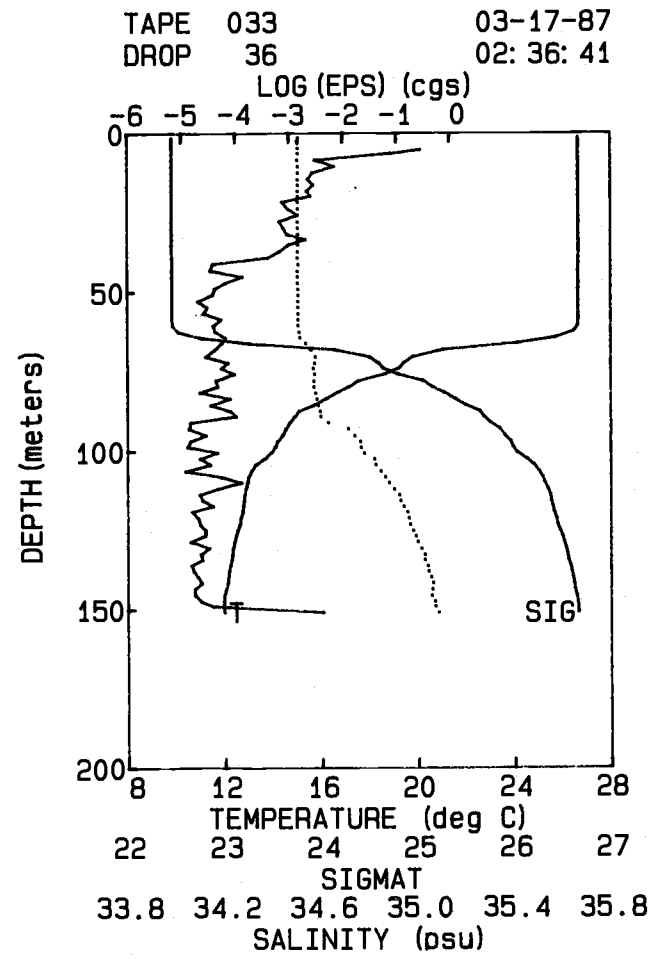
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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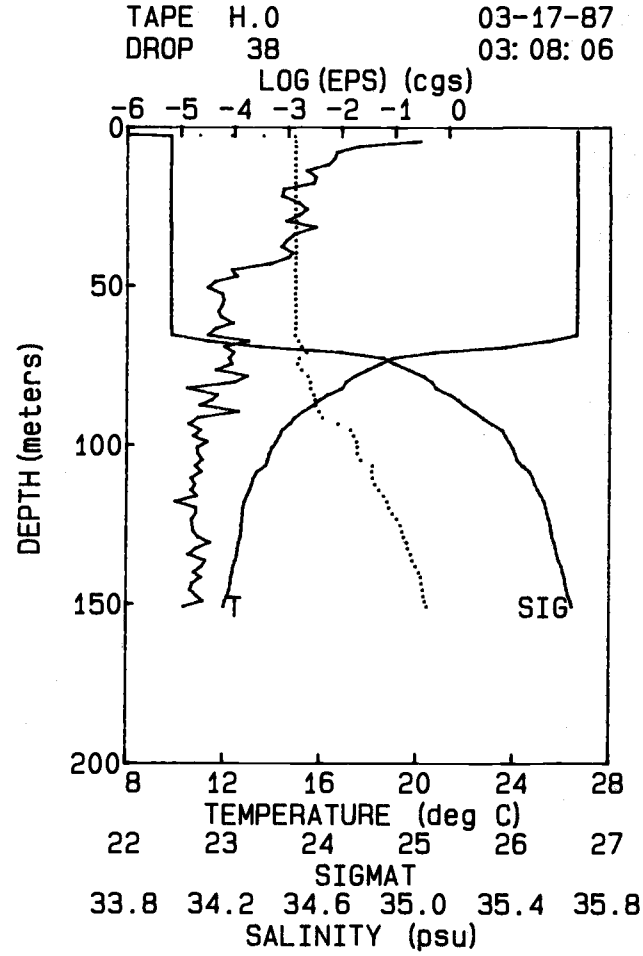
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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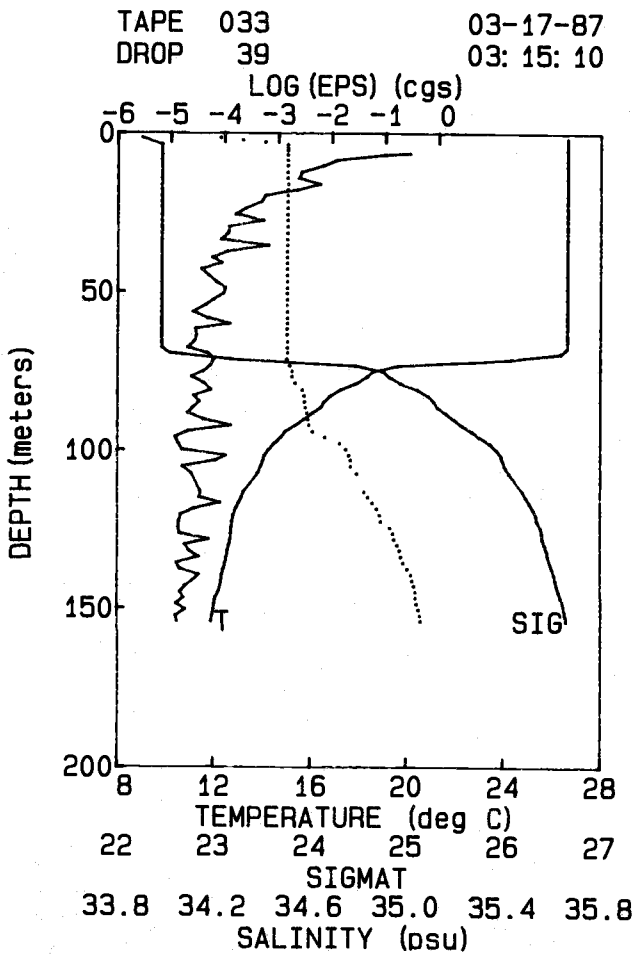
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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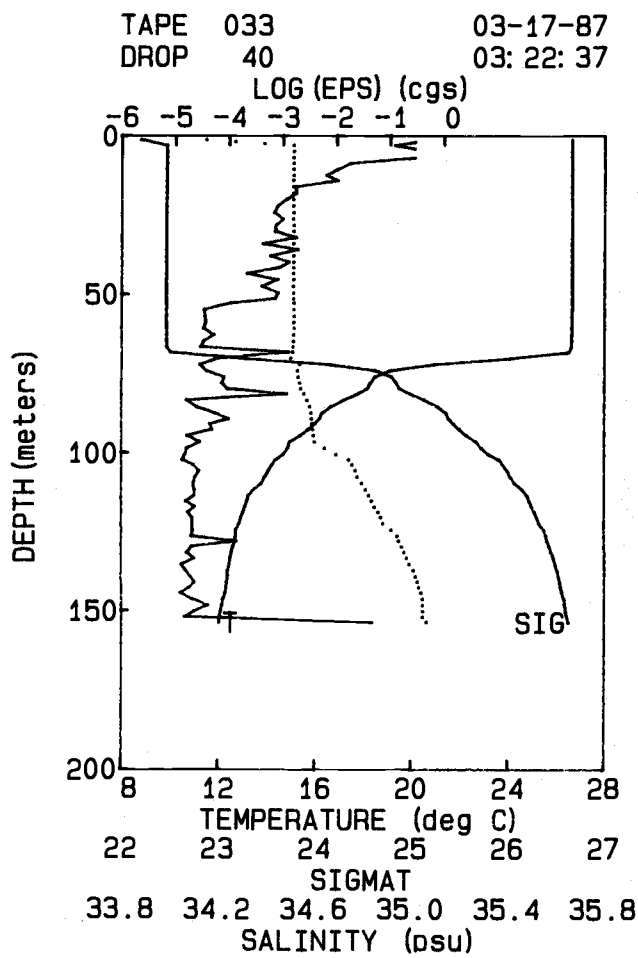
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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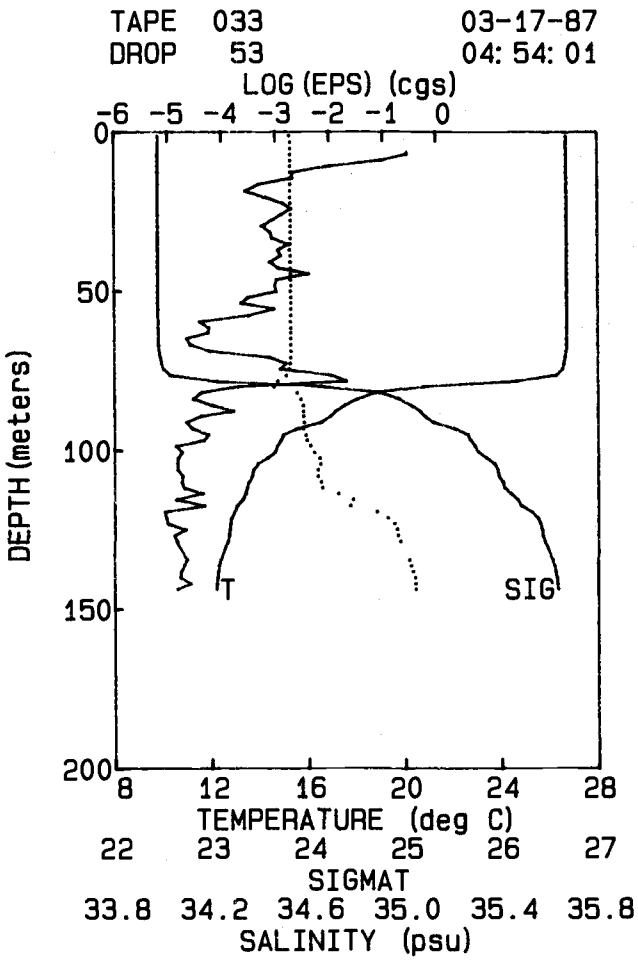
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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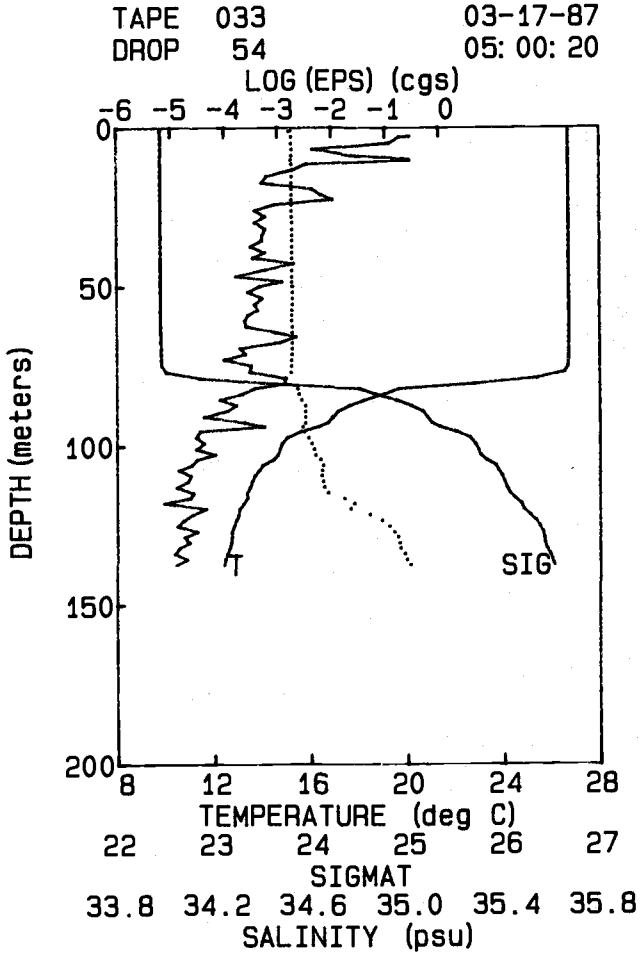
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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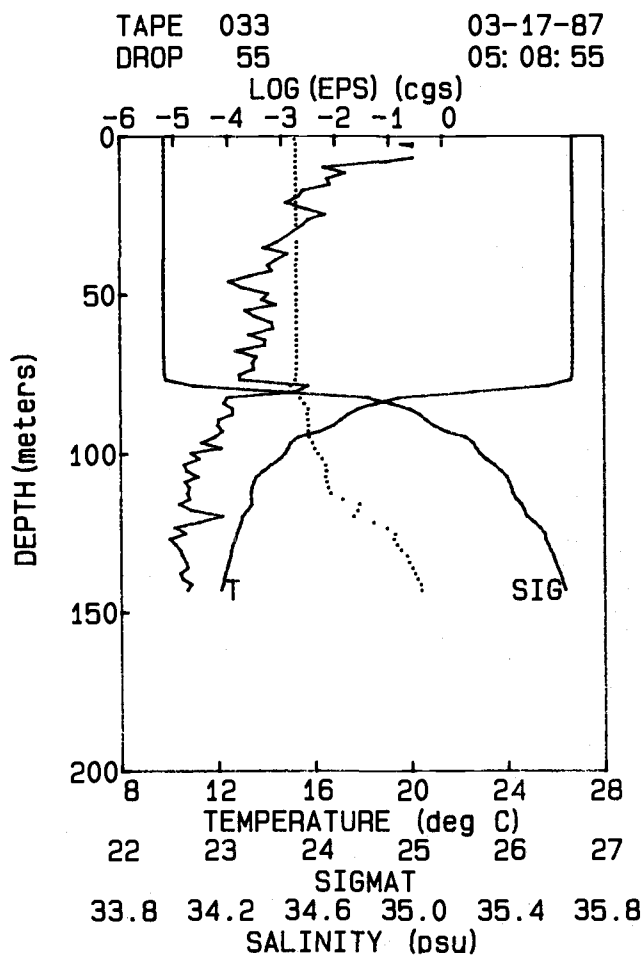
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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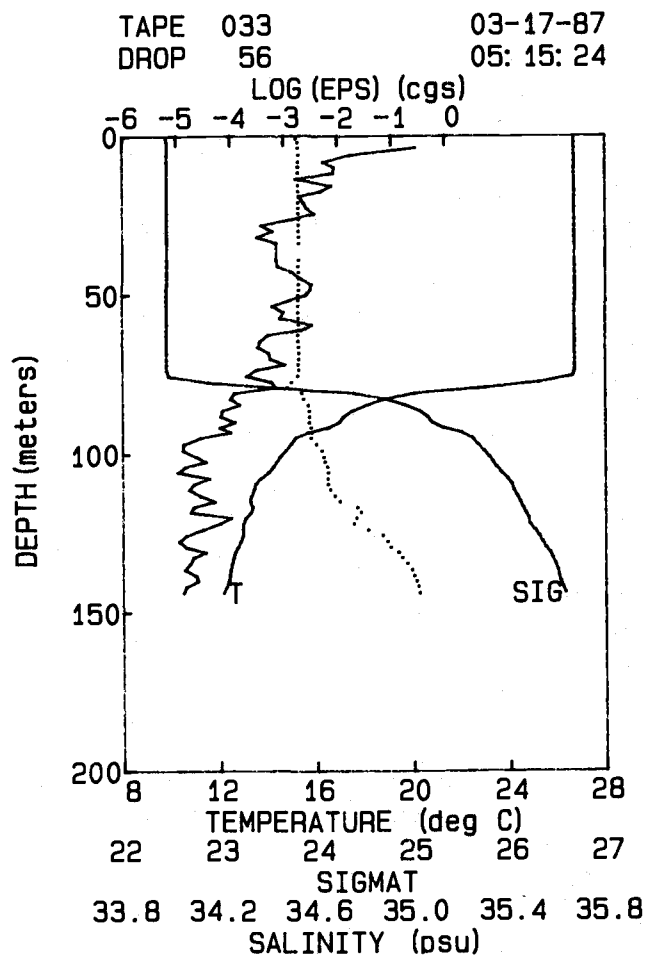
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DEPTH (meters)
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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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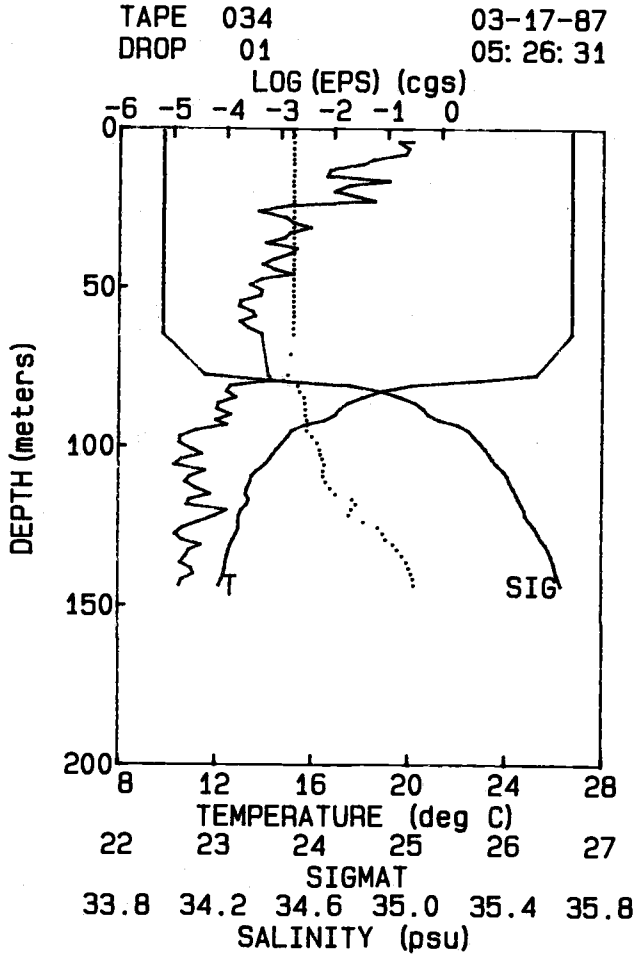
SALINITY (psu)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DEPTH (meters)
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100
150
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SIG
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TEMPERATURE (deg C)
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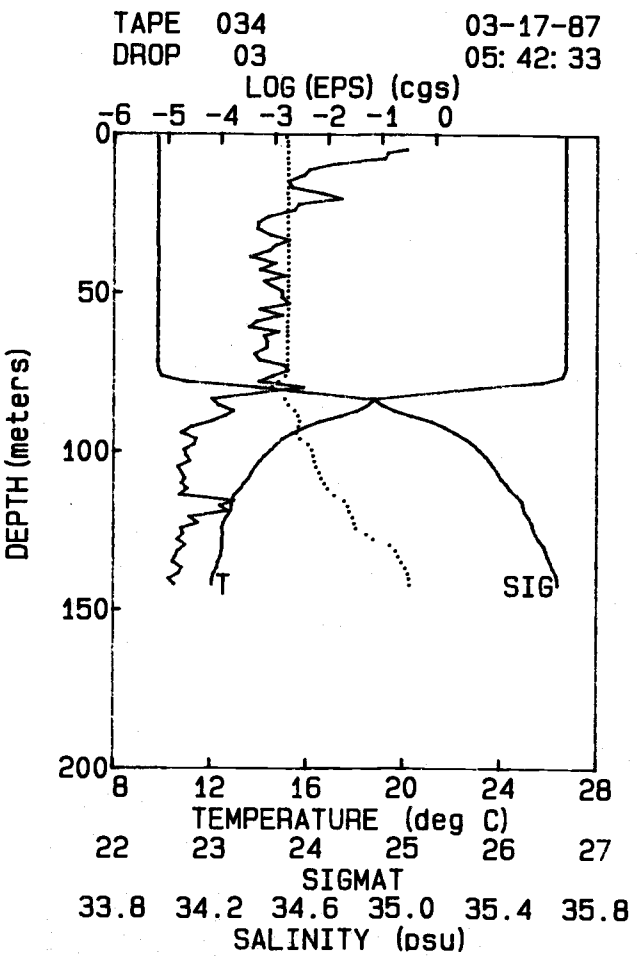
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
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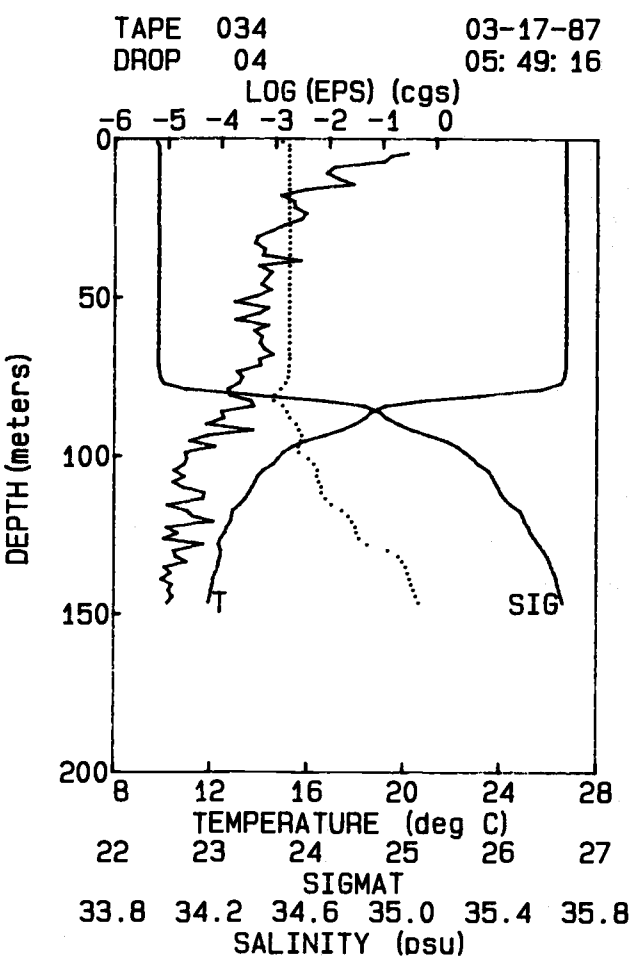
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 04
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LOG (EPS) (cgs)
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DEPTH (meters)
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100
150
200
T
SIG
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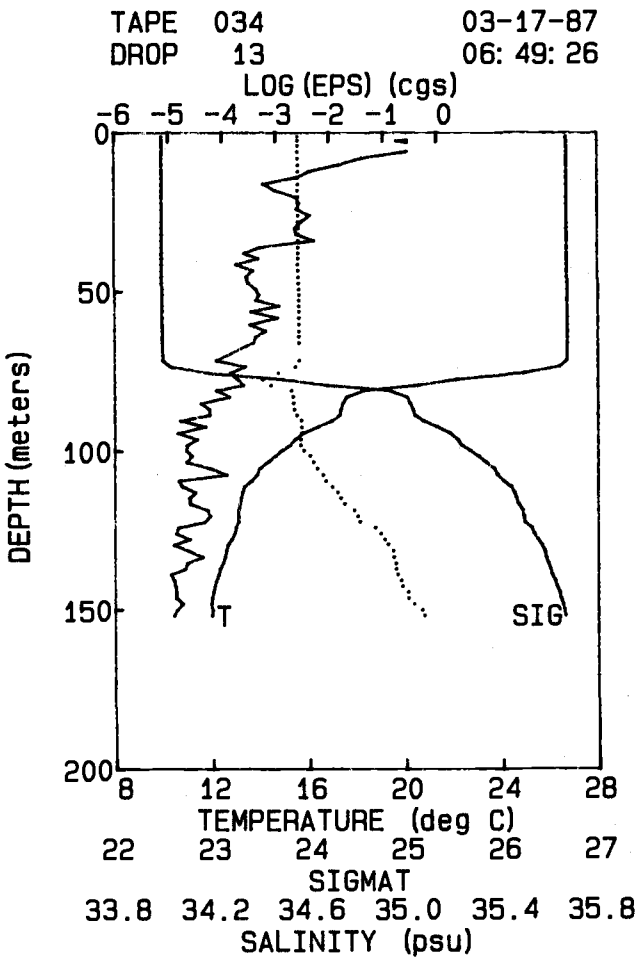
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
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100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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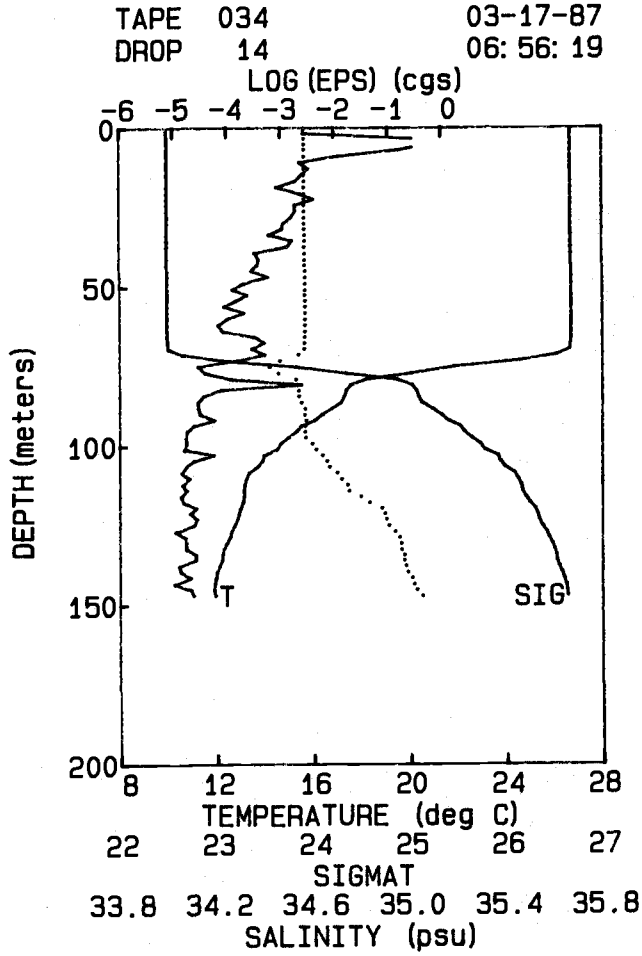
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DEPTH (meters)
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100
150
200
T
SIG
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TEMPERATURE (deg C)
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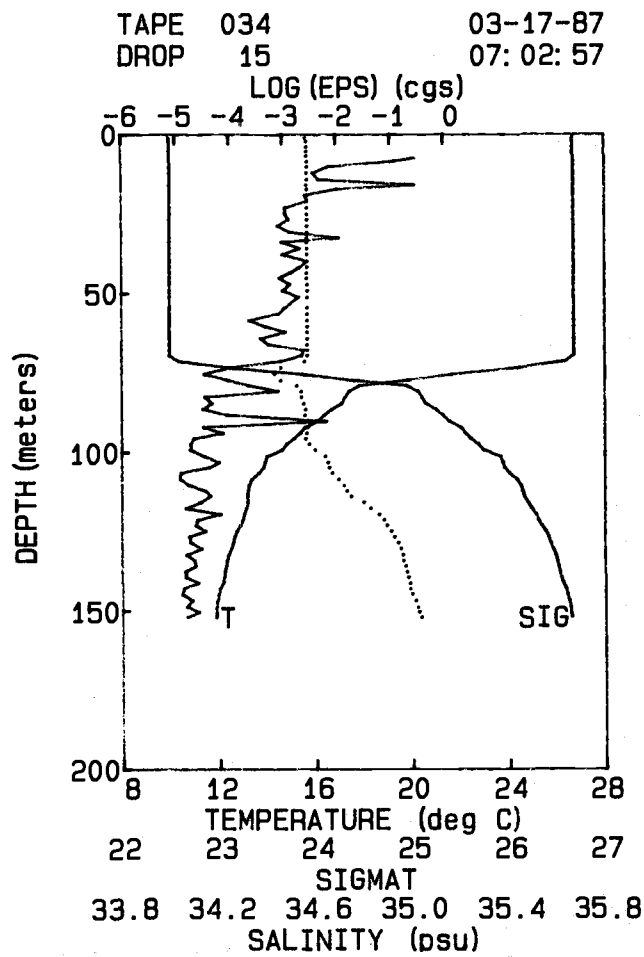
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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07: 02: 57
LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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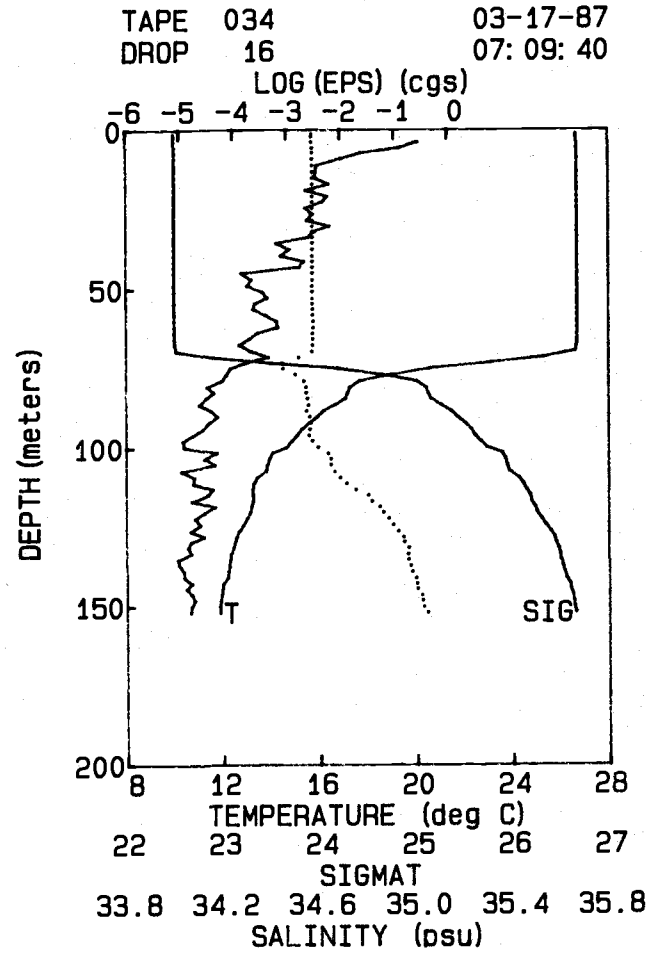
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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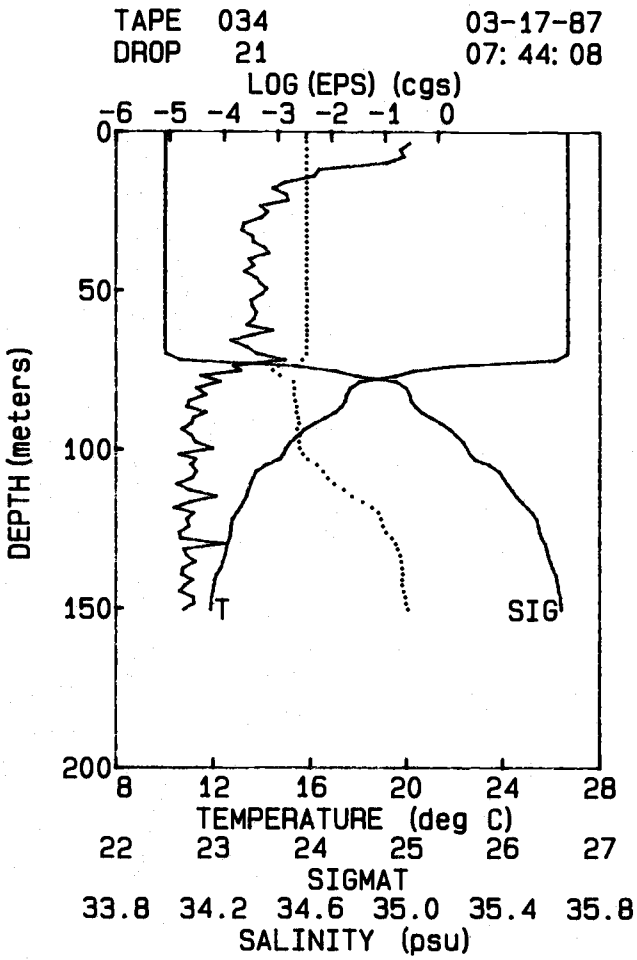
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
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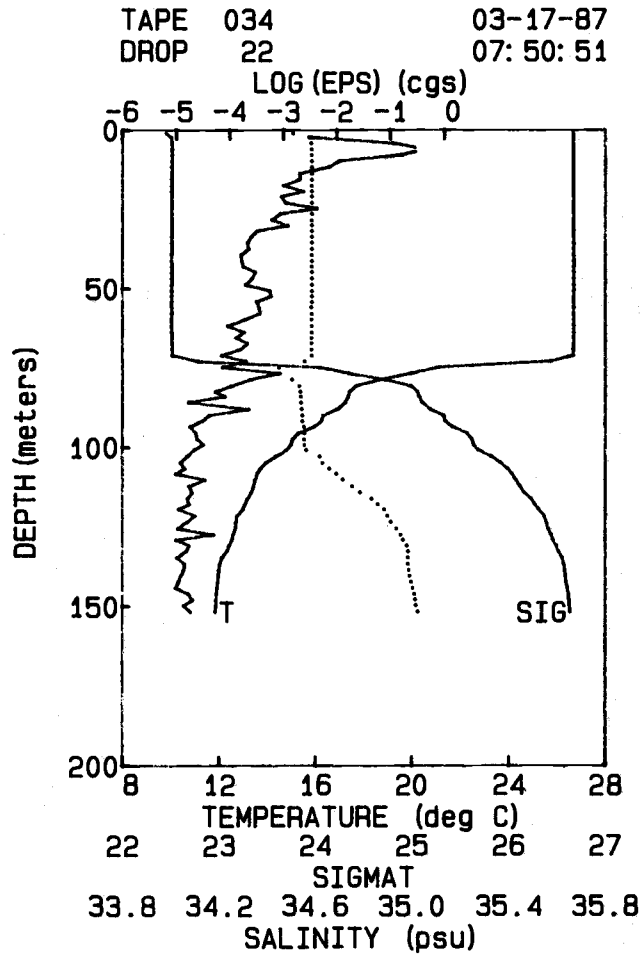
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
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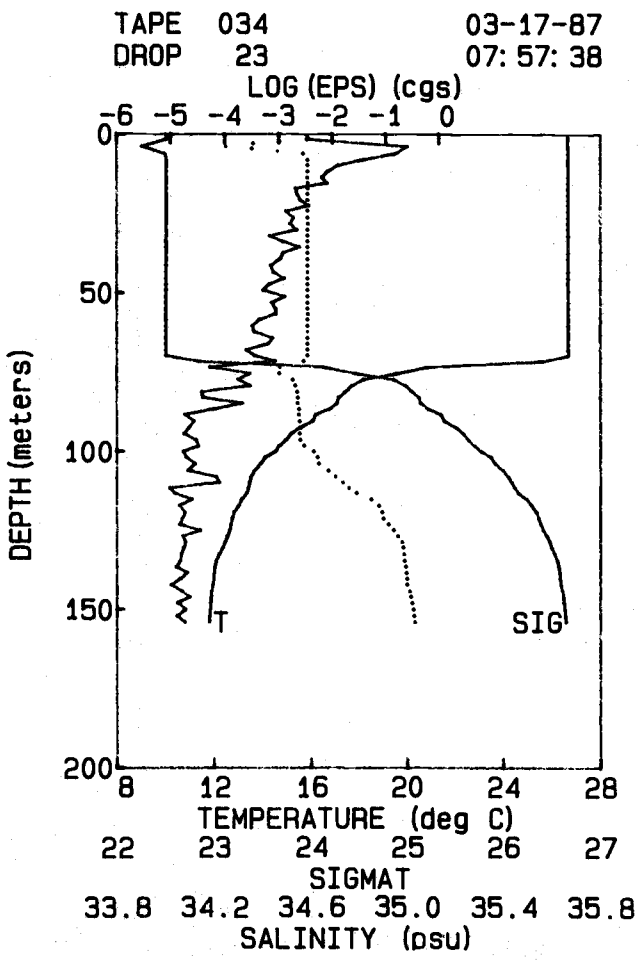
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07: 57: 38
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100
150
200
T
SIG
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TEMPERATURE (deg C)
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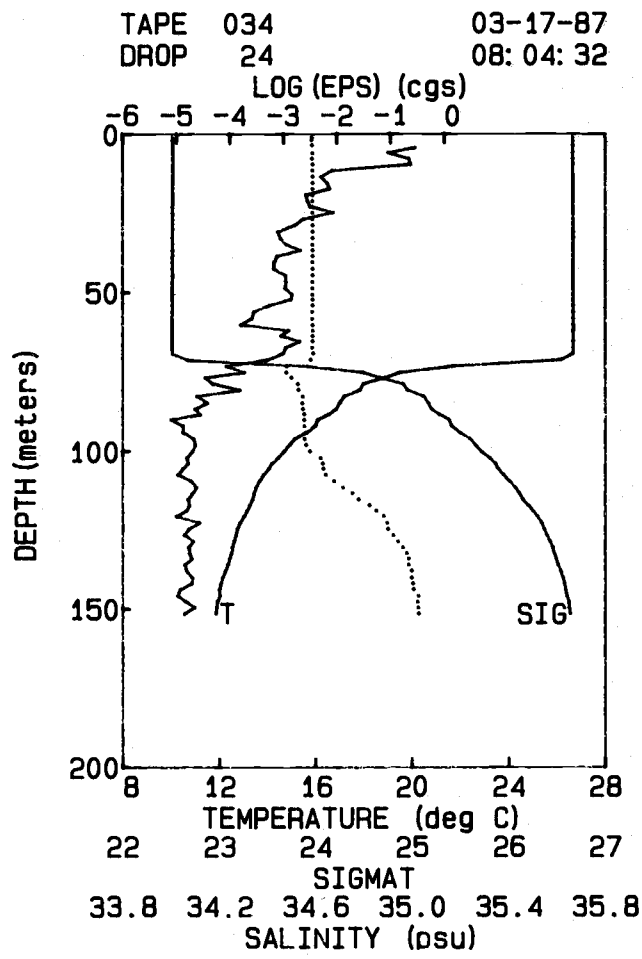
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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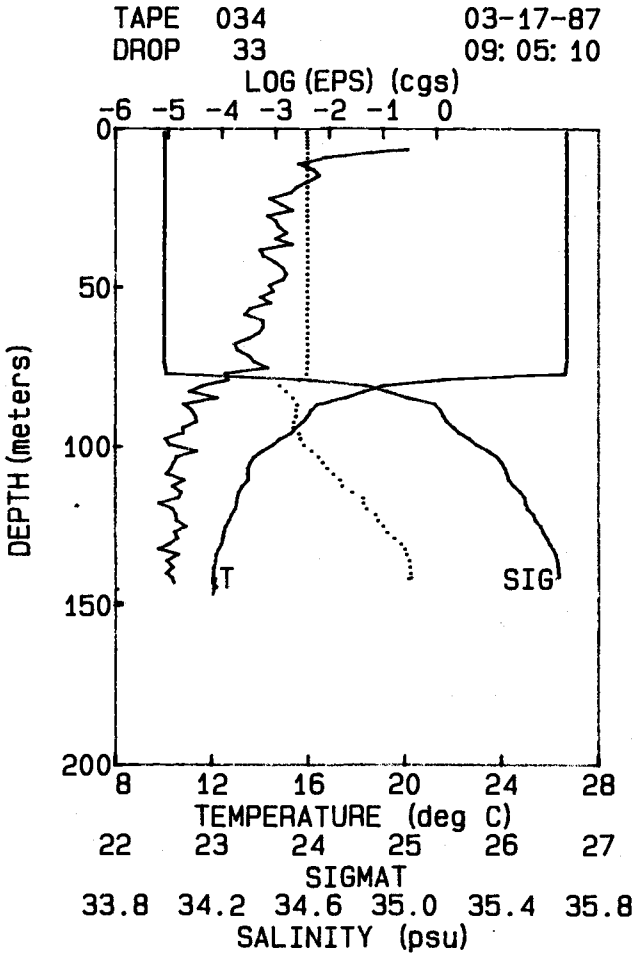
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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200
DEPTH (meters)
T
SIG
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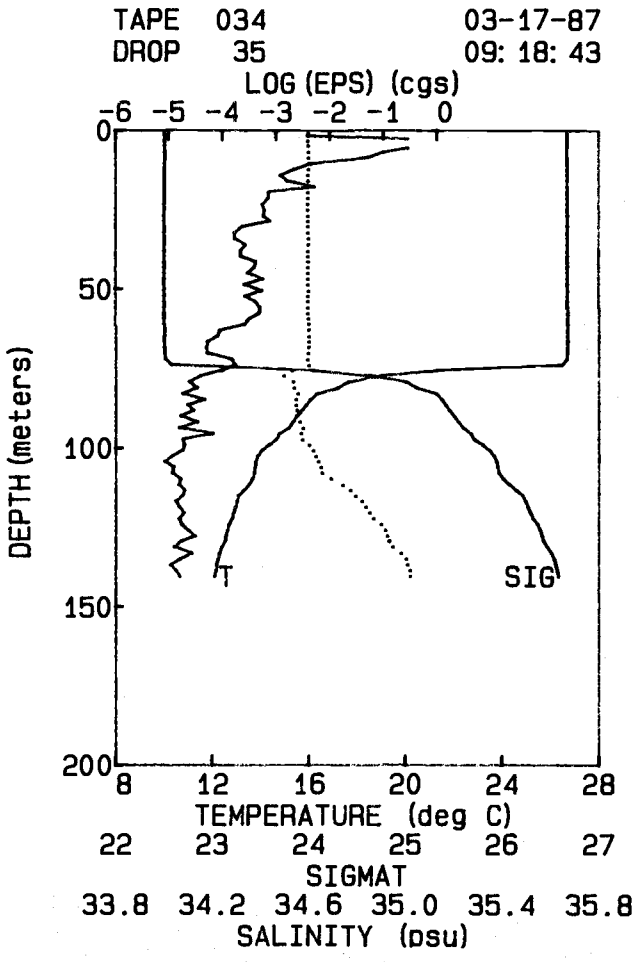
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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200
DEPTH (meters)
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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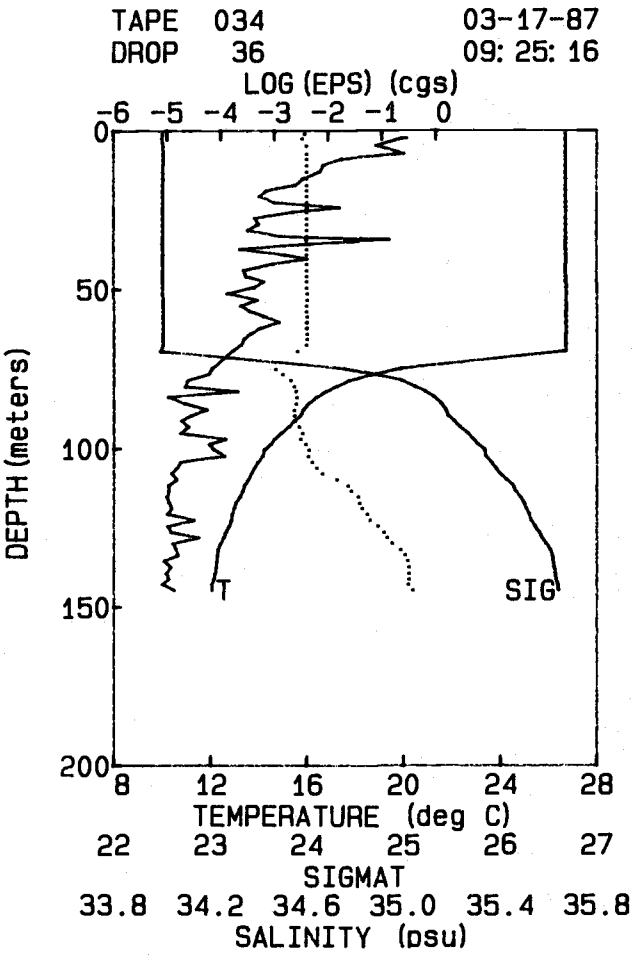
SALINITY (psu)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200
DEPTH (meters)
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SIG
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TEMPERATURE (deg C)
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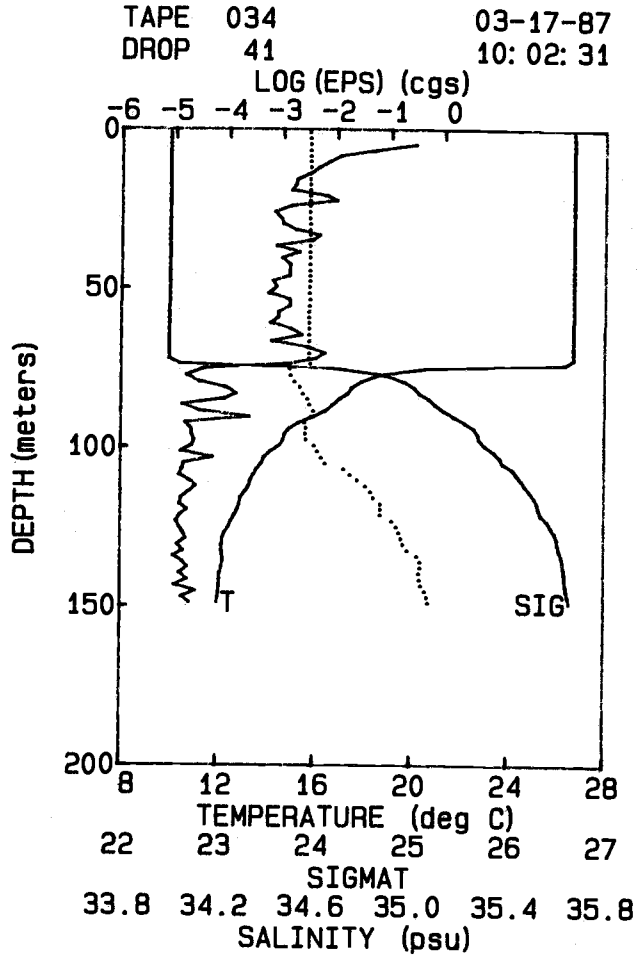
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
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200
T
SIG
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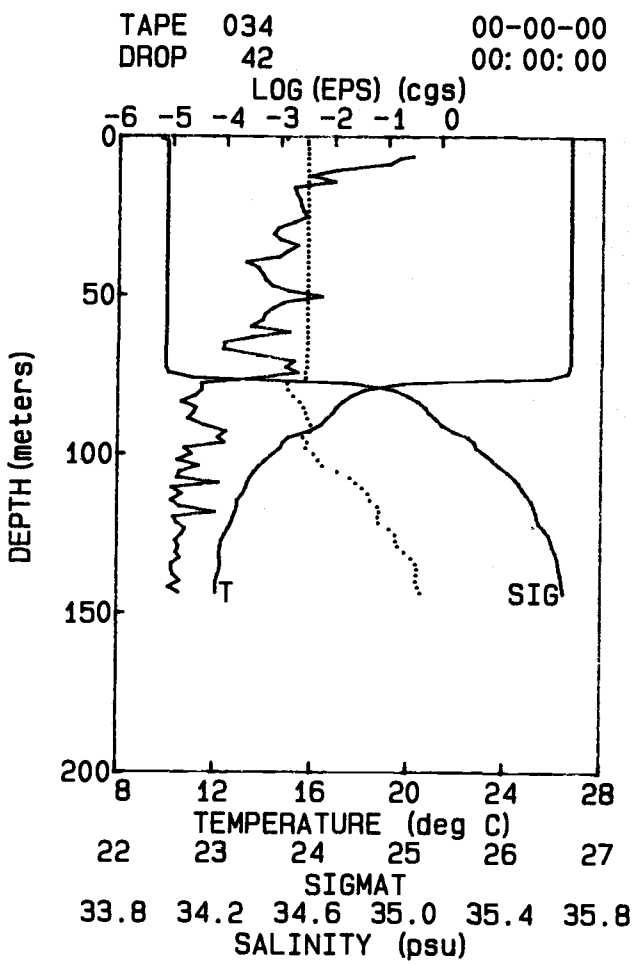
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
T
SIG
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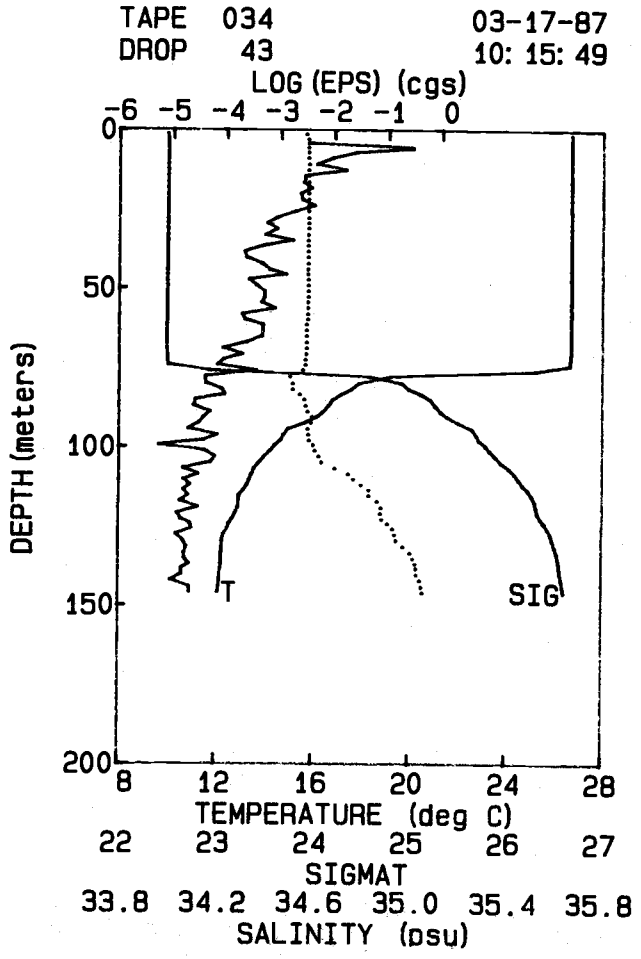
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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150
200
T
SIG
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TEMPERATURE (deg C)
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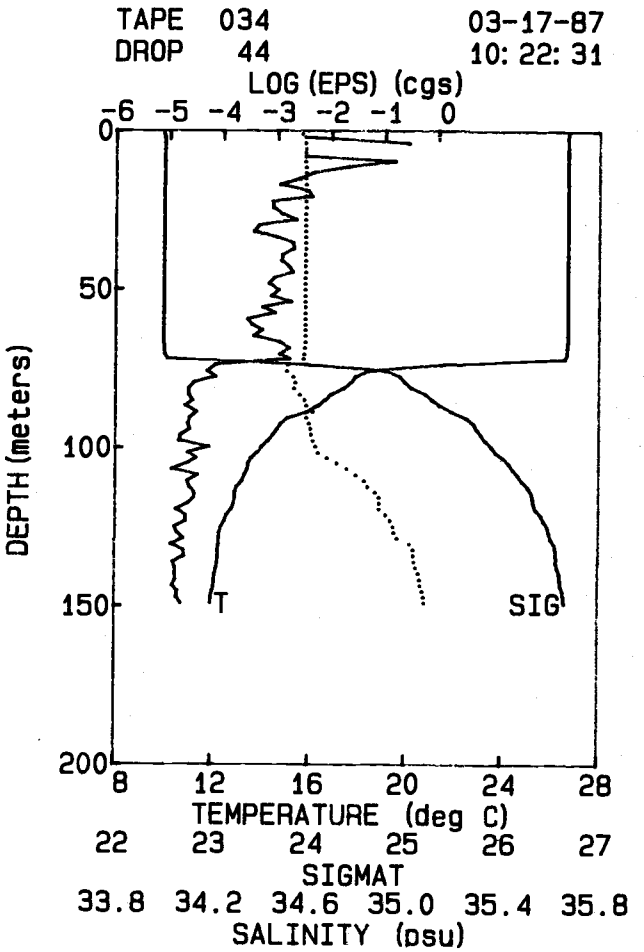
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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200
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SIG
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TEMPERATURE (deg C)
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SIGMAT
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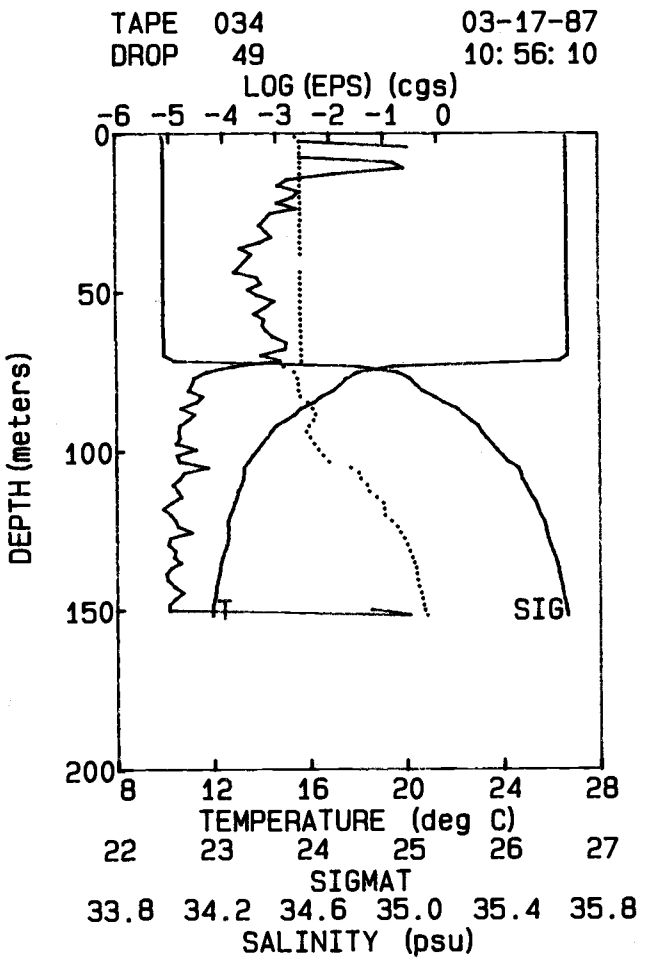
SALINITY (psu)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100
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200
T
SIG
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TEMPERATURE (deg C)
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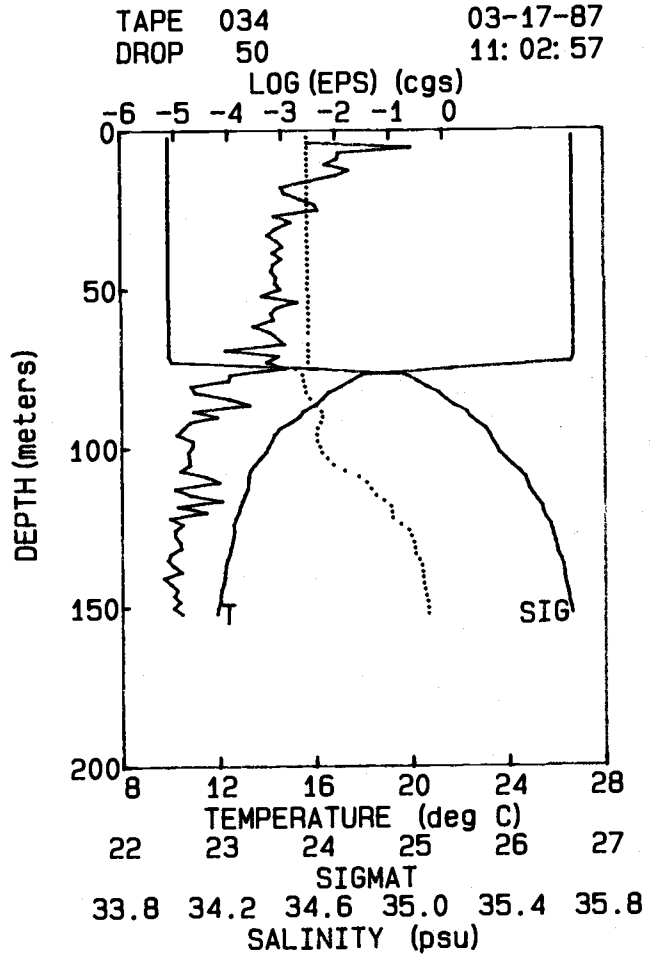
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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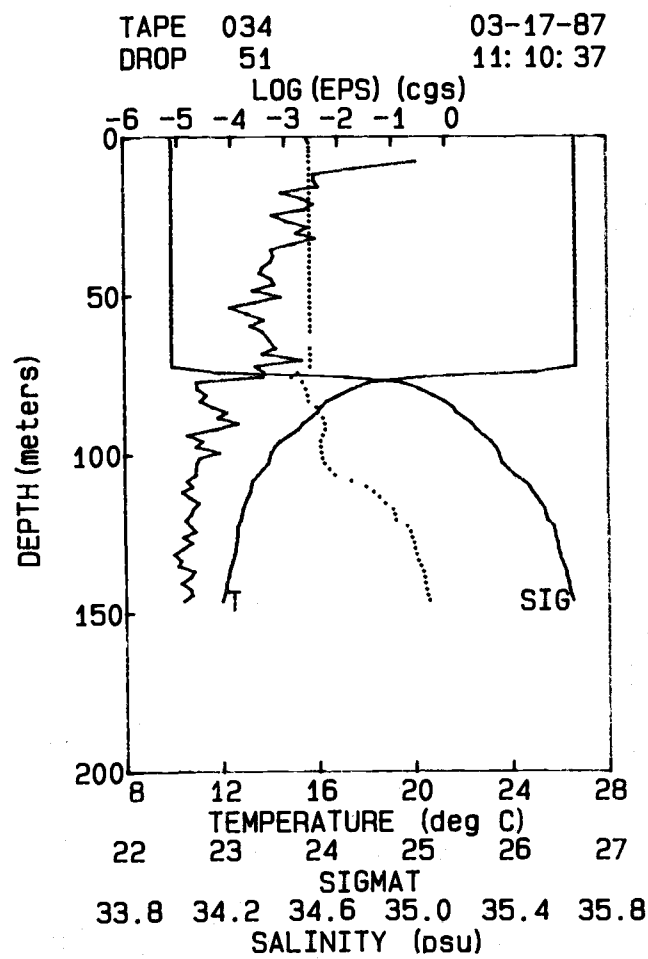
03-17-87
11: 02: 57
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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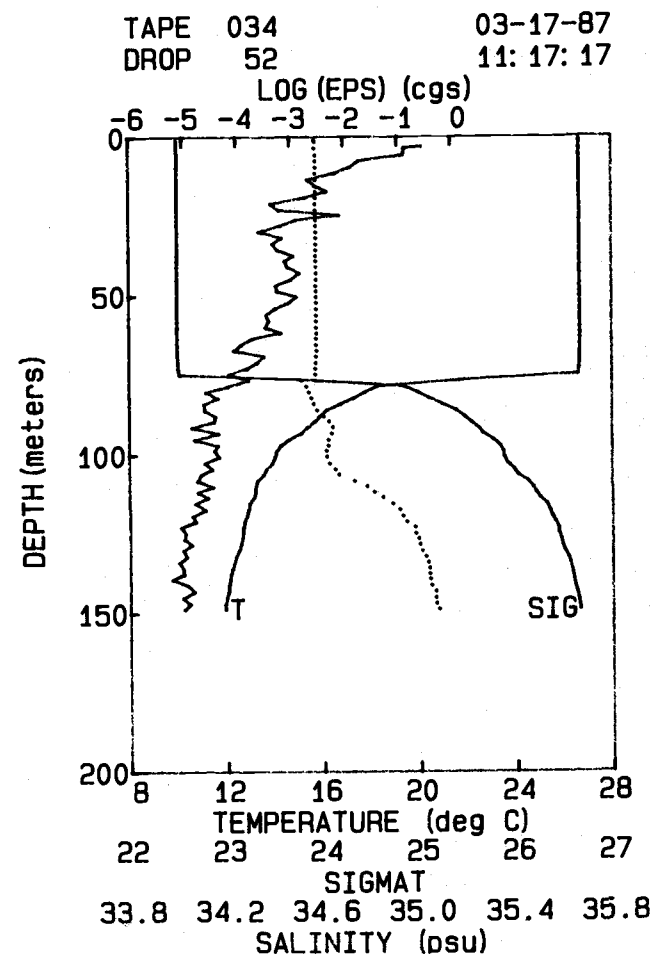
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
T
SIG
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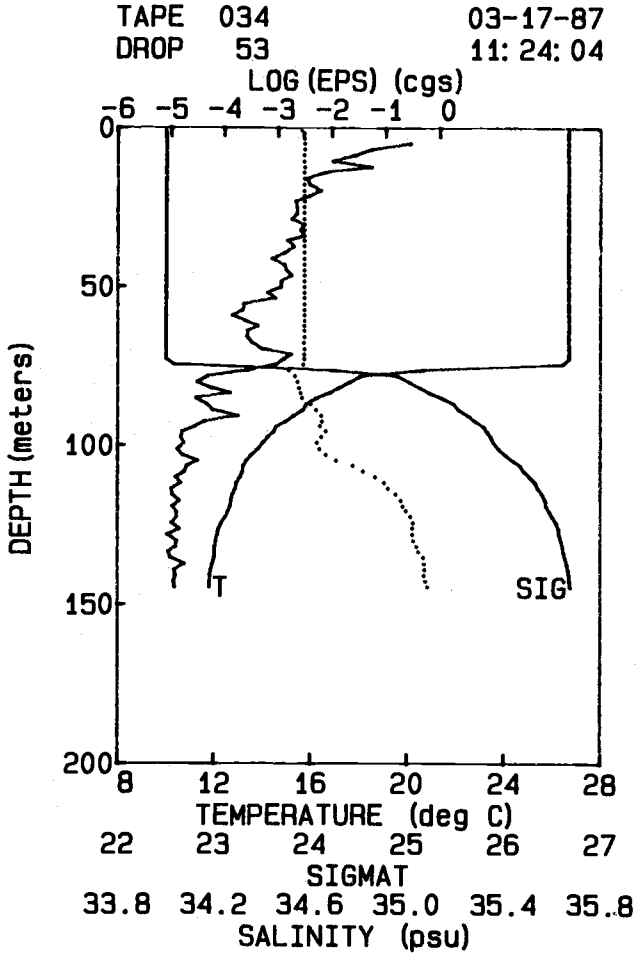
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
T
SIG
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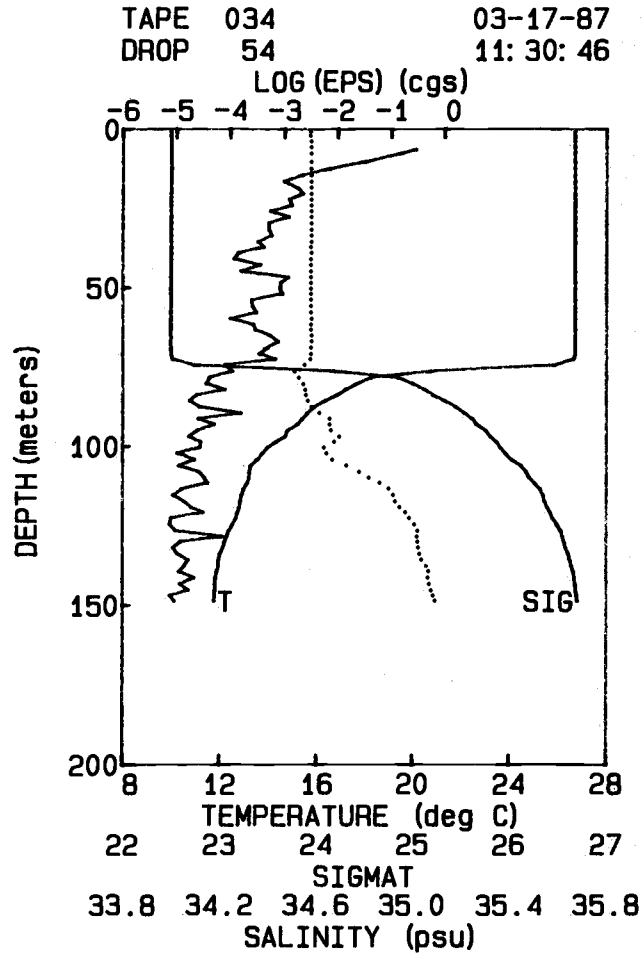
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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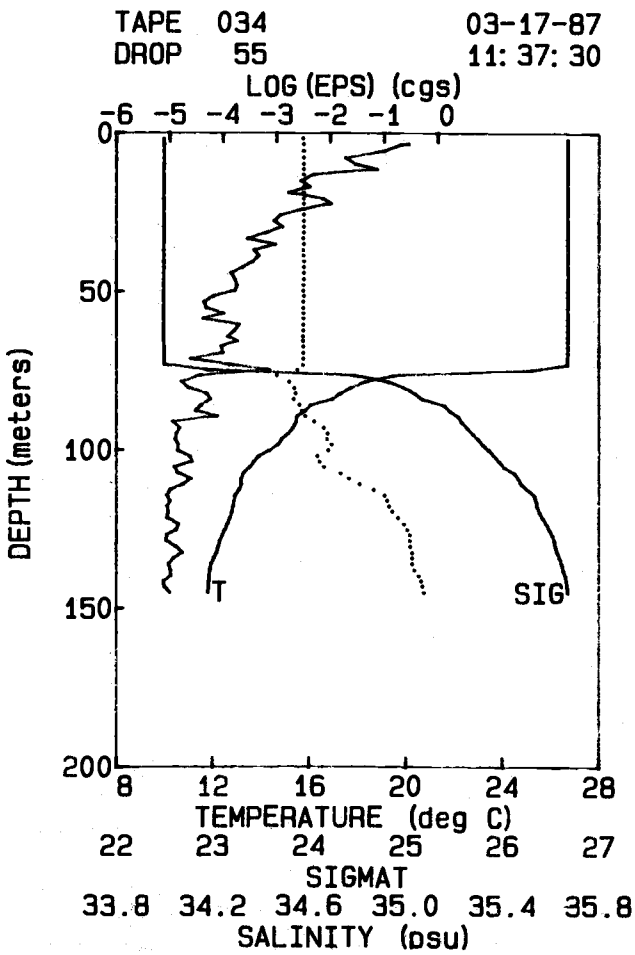
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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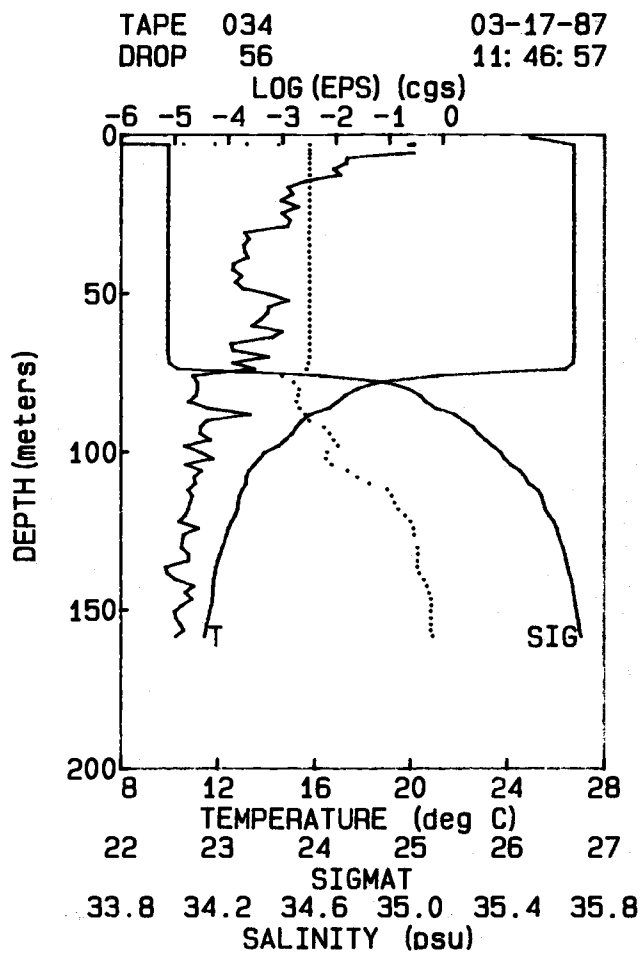
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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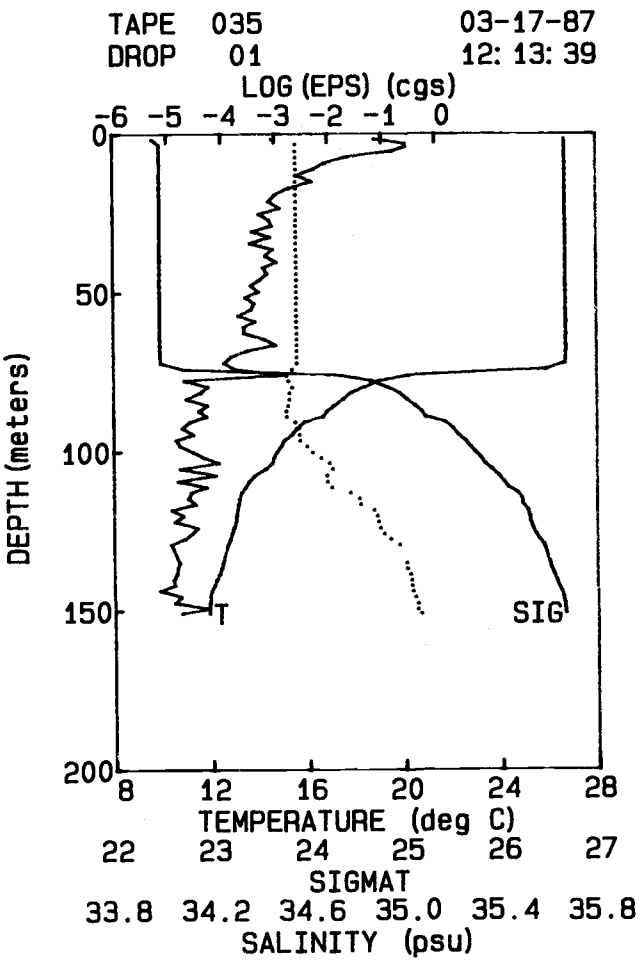
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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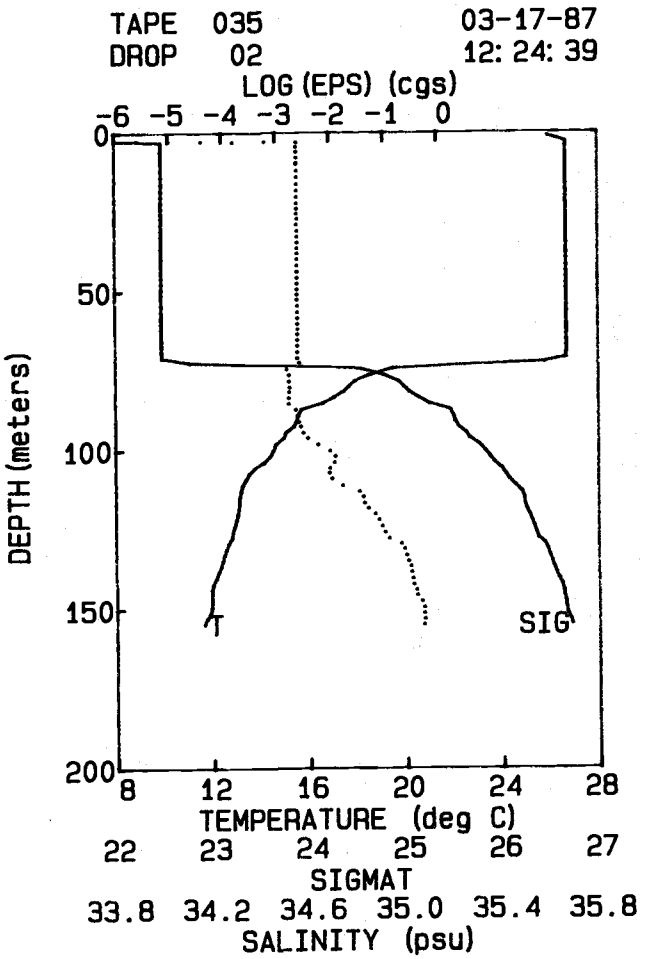
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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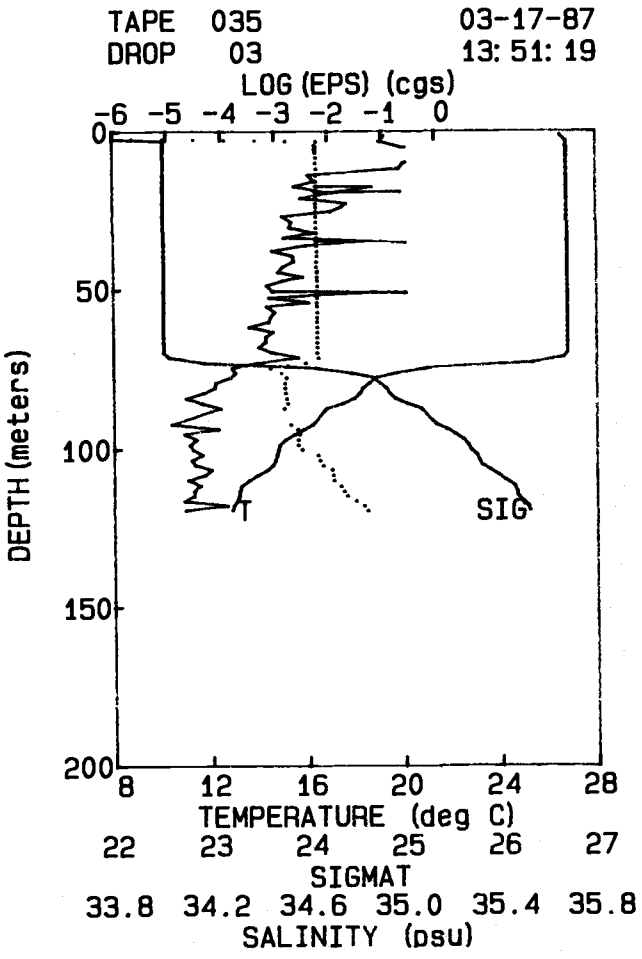
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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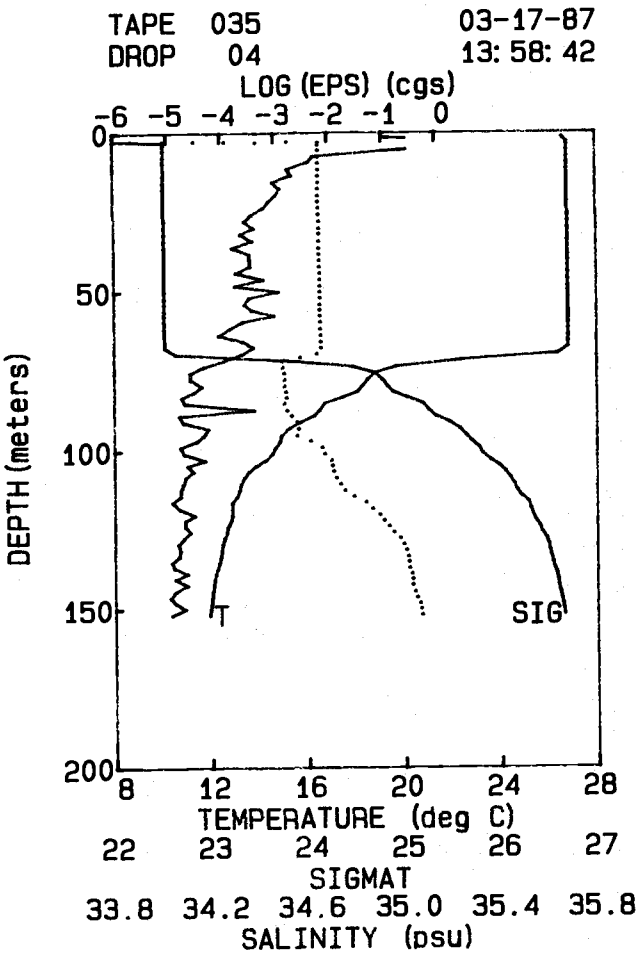
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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SIG
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TEMPERATURE (deg C)
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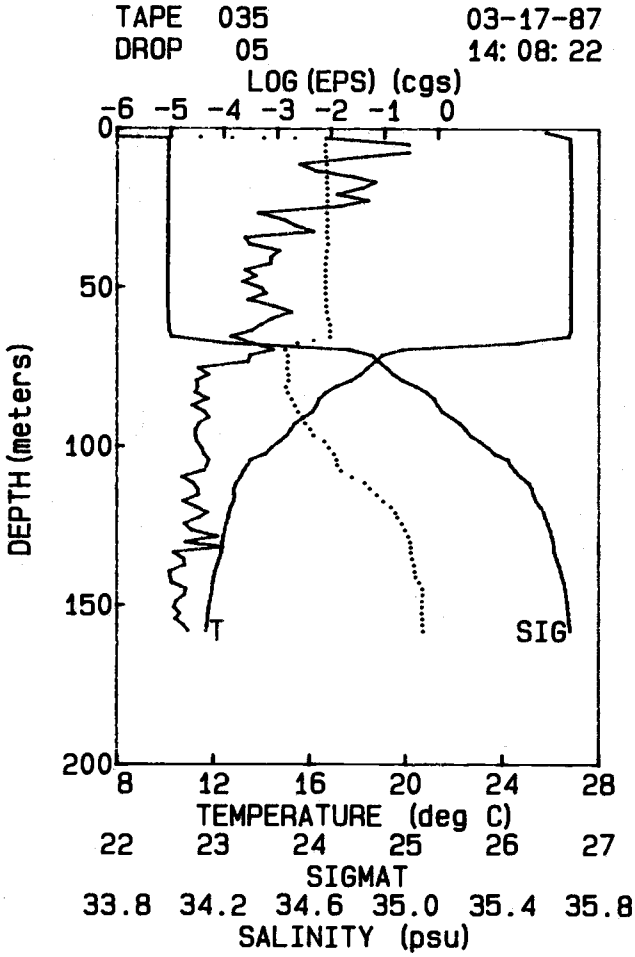
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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14: 08: 22
LOG (EPS) (cgs)
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DEPTH (meters)
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100
150
200
T
SIG
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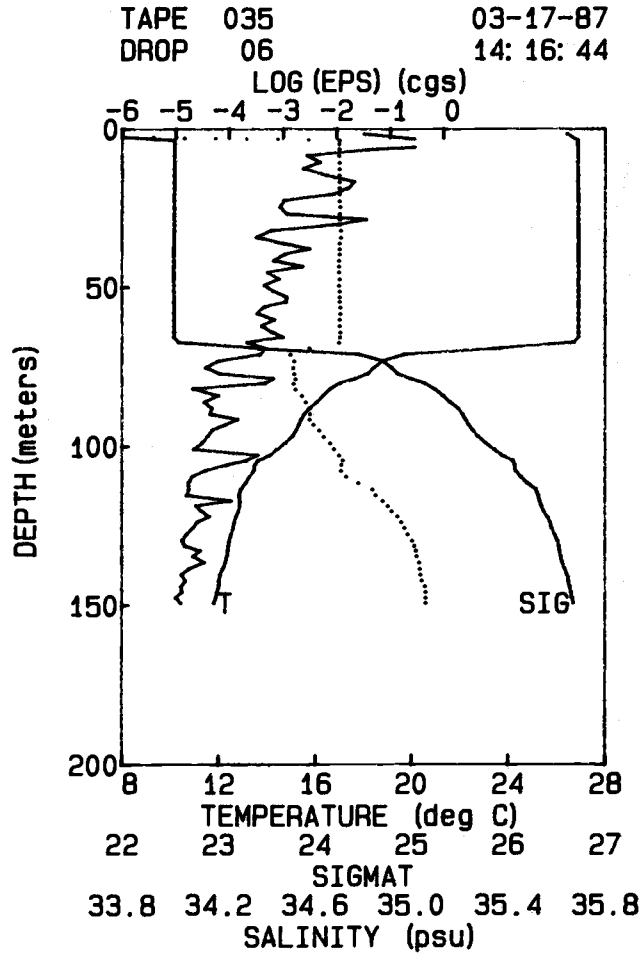
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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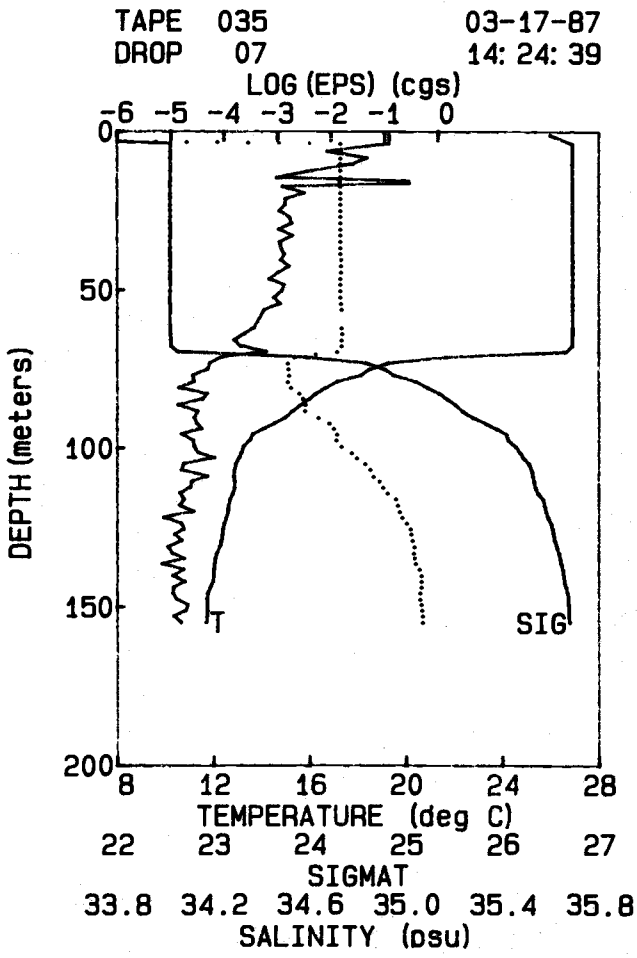
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
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200
T
SIG
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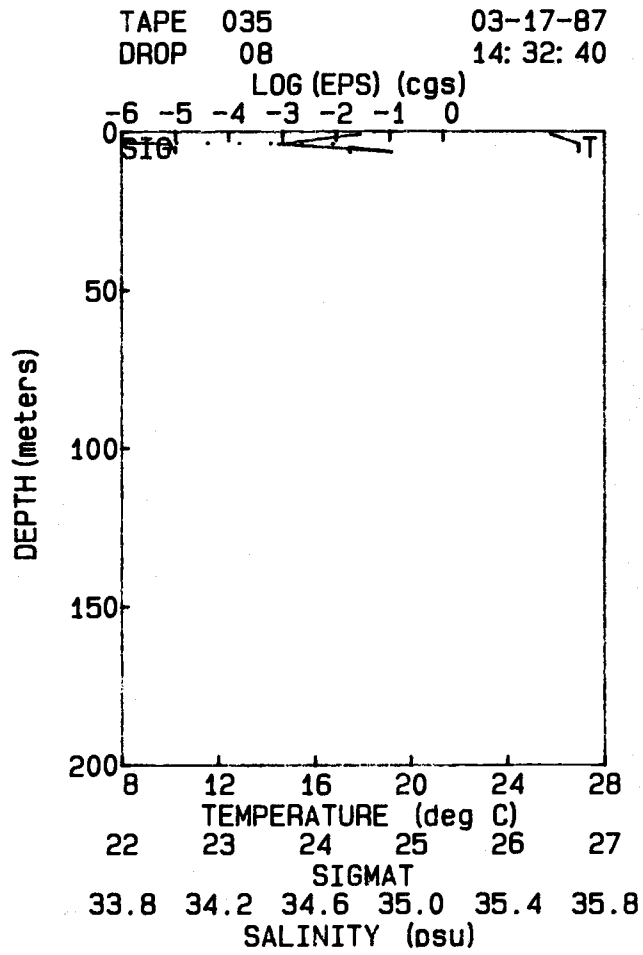
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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14: 32: 40
LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIG
T
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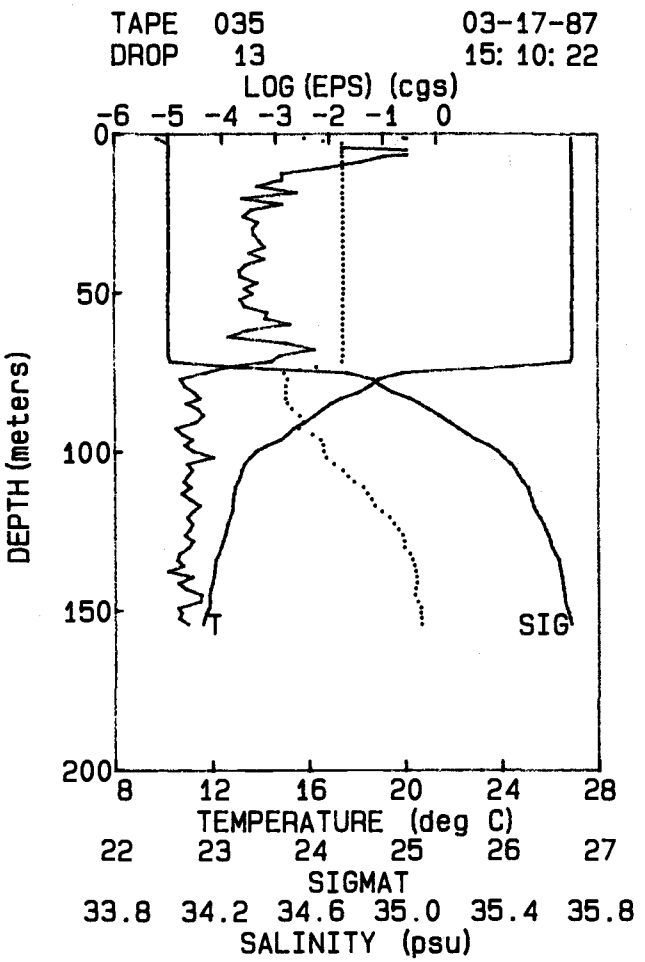
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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15: 10: 22
LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
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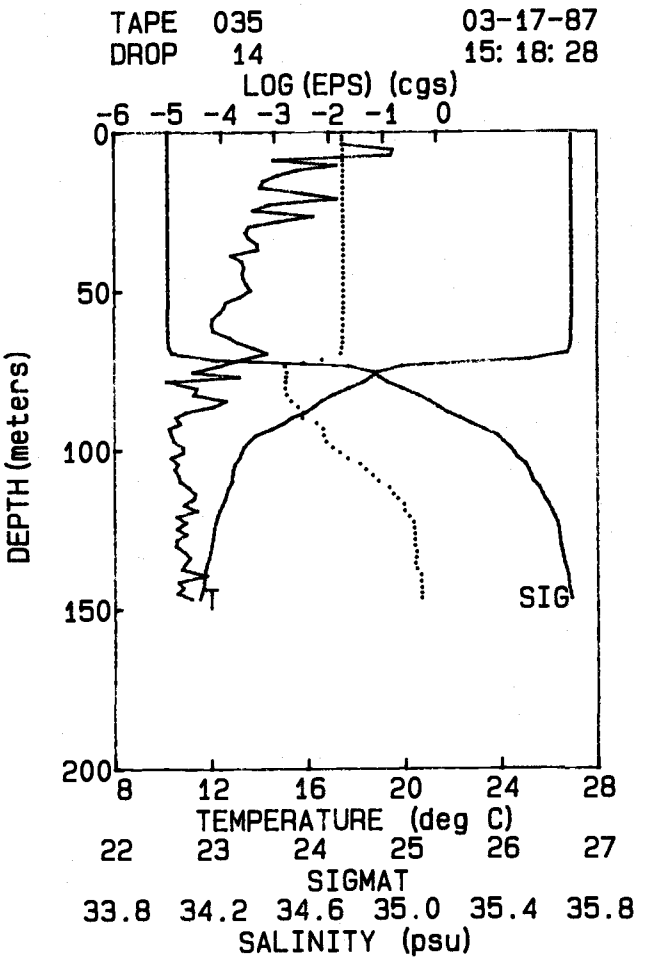
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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150
200
T
SIG
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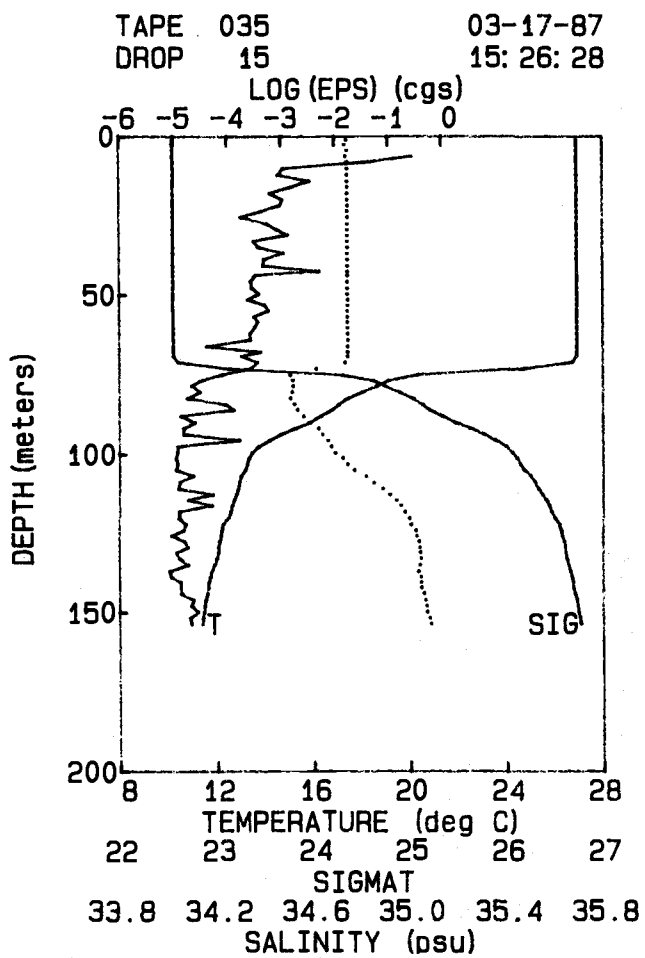
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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15: 26: 28
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DEPTH (meters)
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100
150
200
T
SIG
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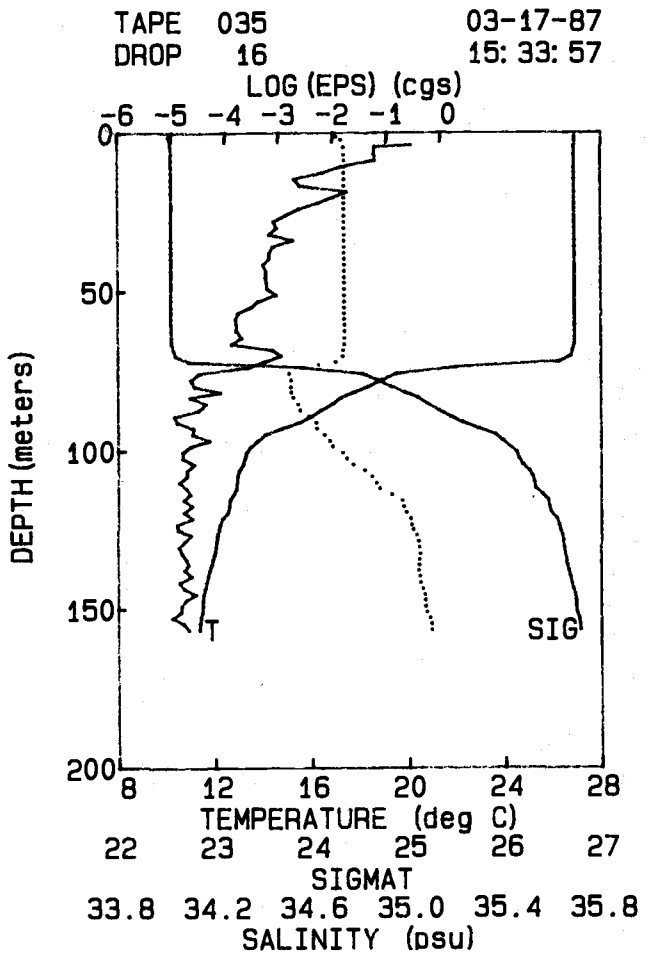
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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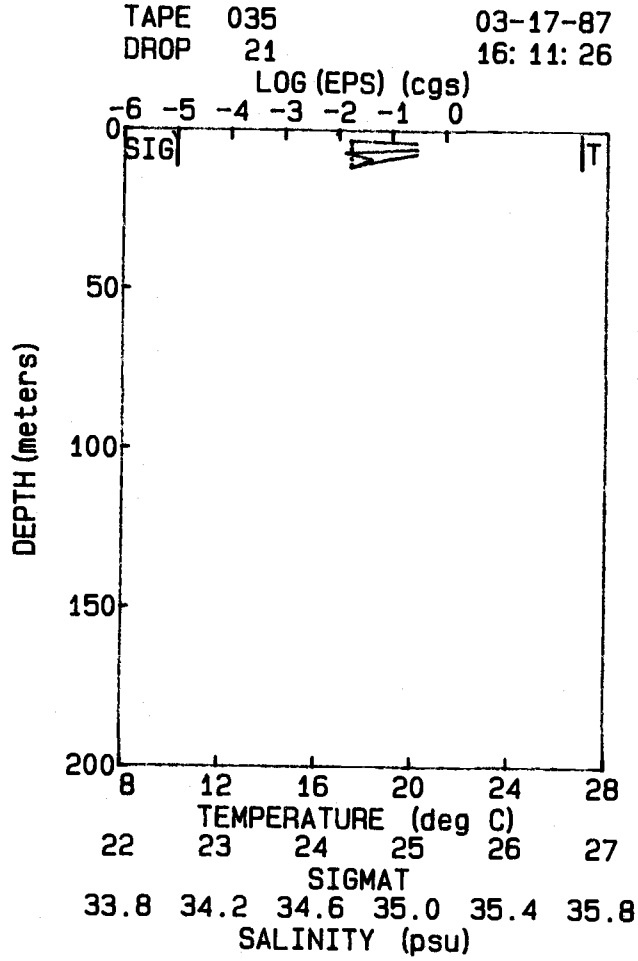
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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SIG
T
DEPTH (meters)
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100
150
200
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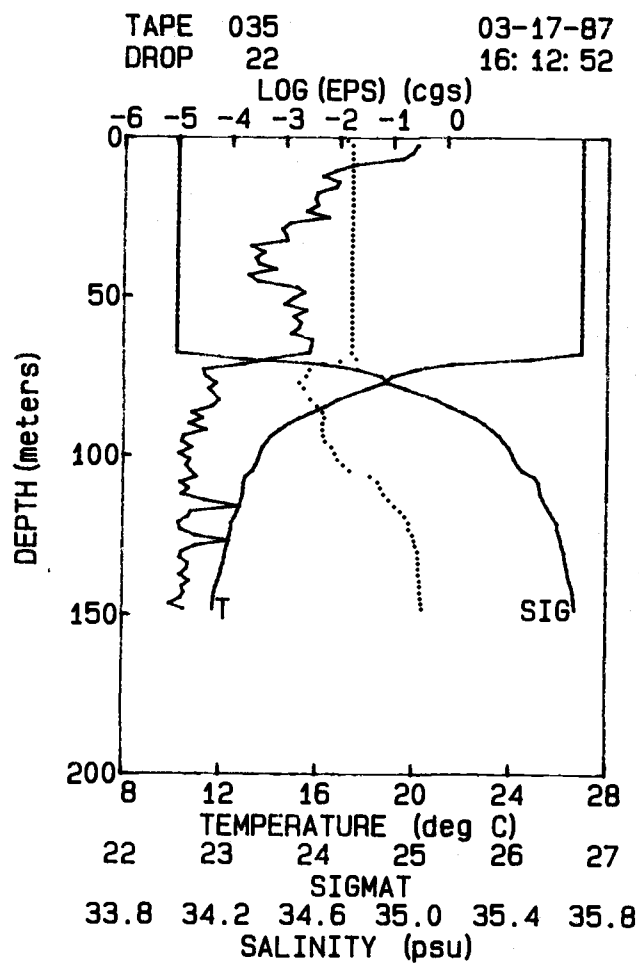
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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150
200
T
SIG
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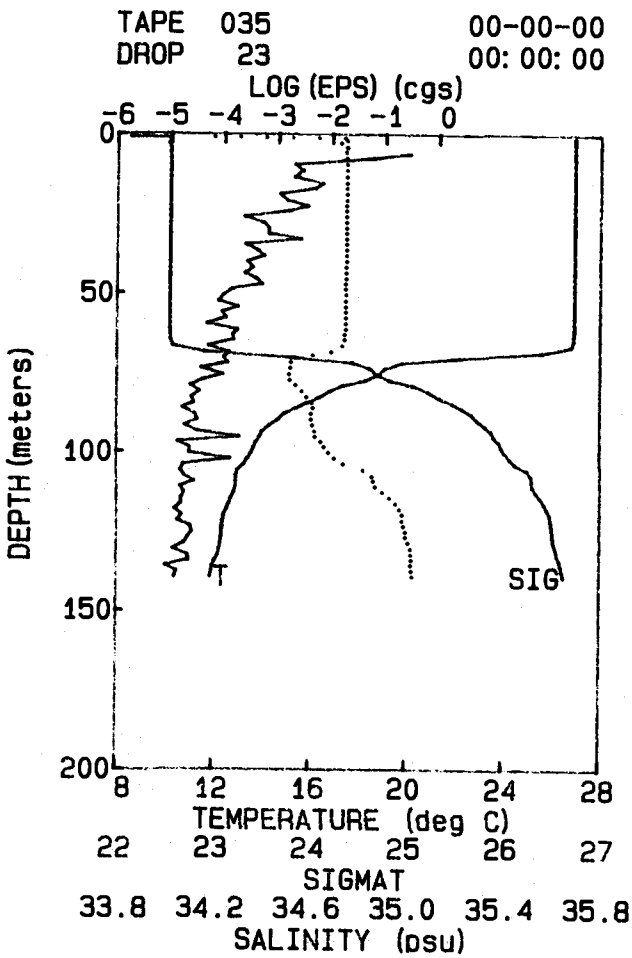
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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00-00-00
00: 00: 00
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100
150
200
T
SIG
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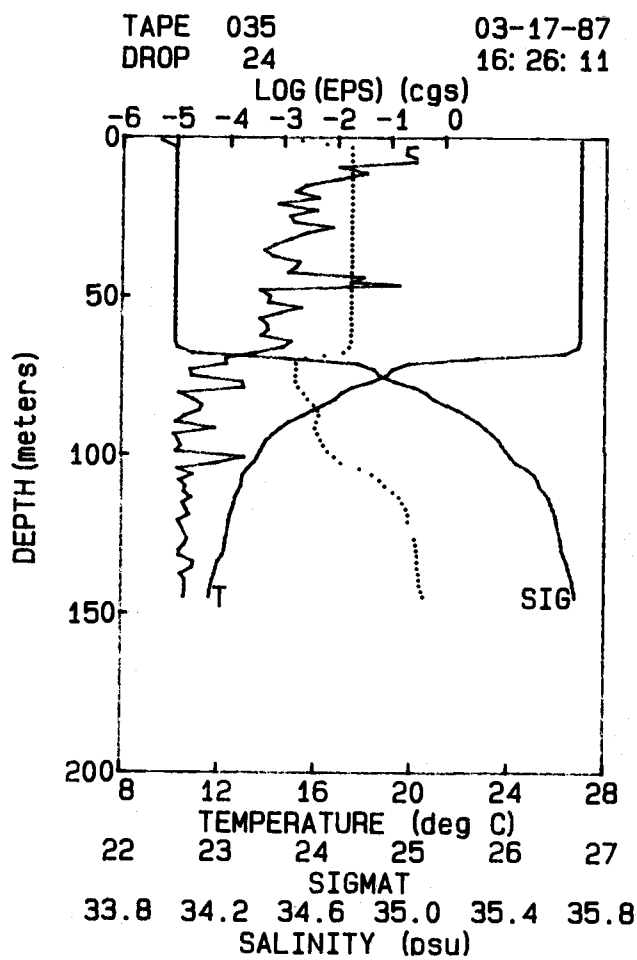
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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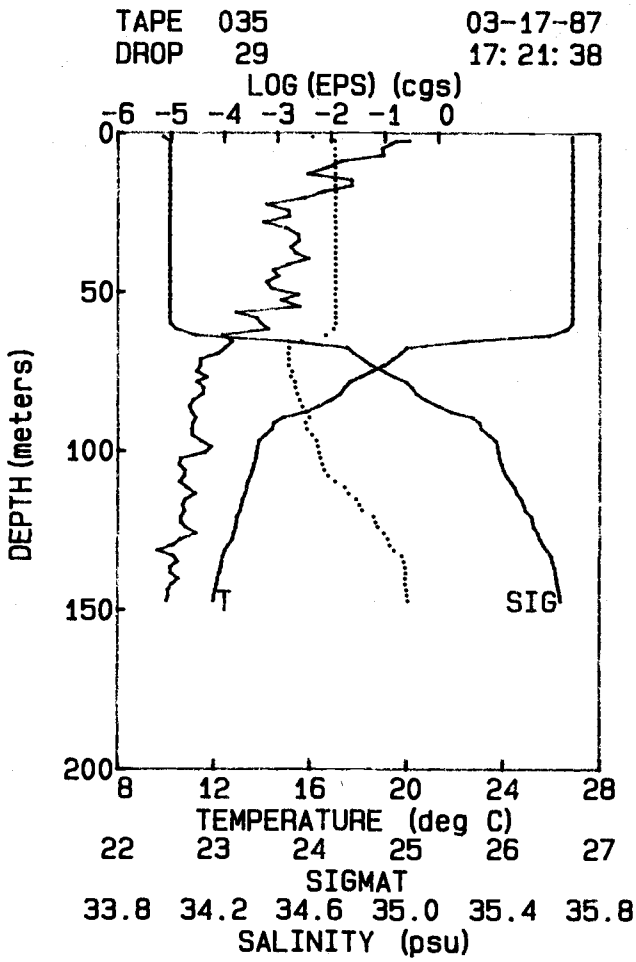
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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150
200
T
SIG
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SIGMAT
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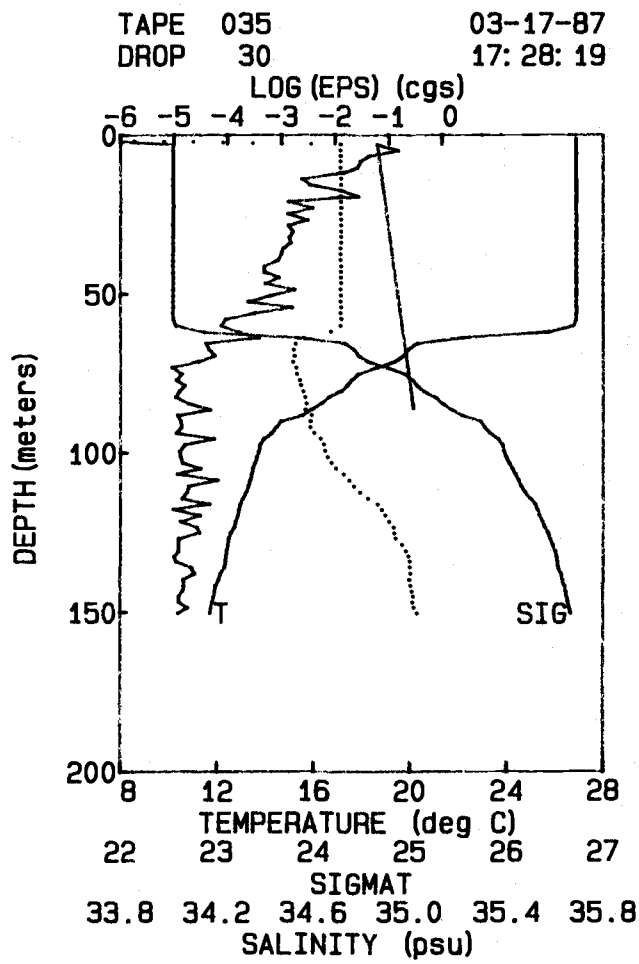
SALINITY (psu)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150
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SIG
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TEMPERATURE (deg C)
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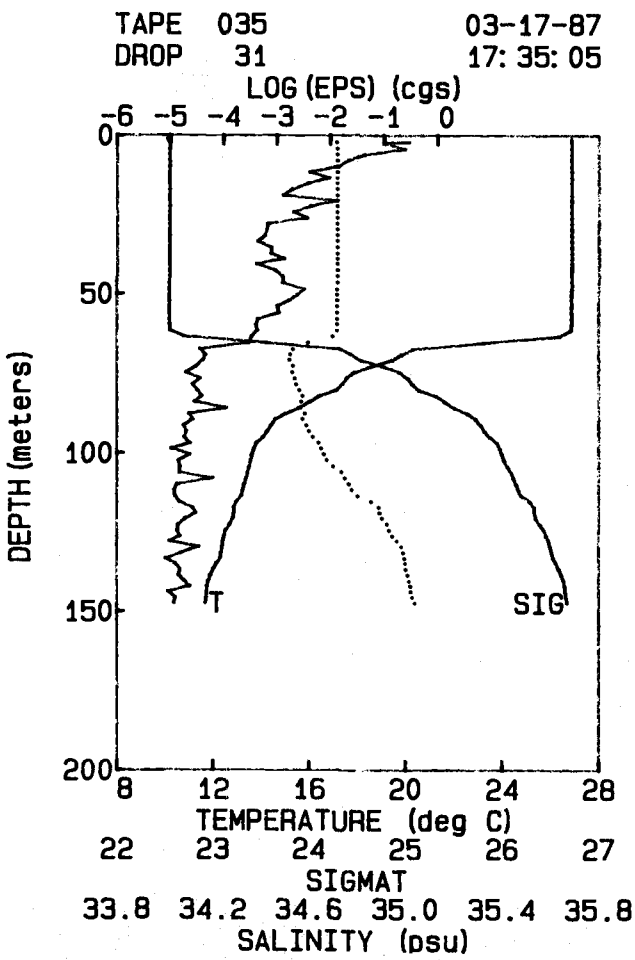
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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200
T
SIG
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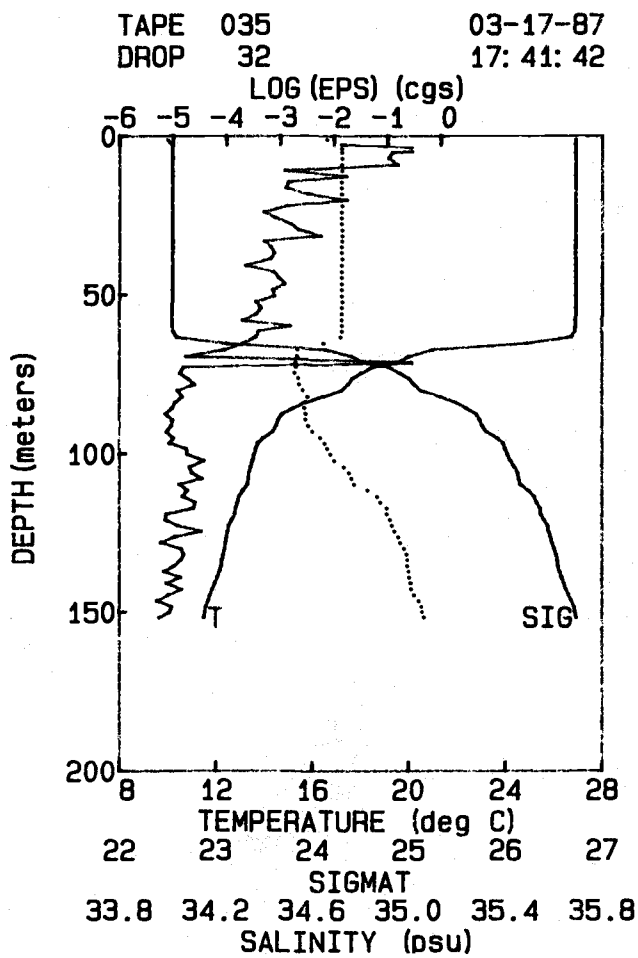
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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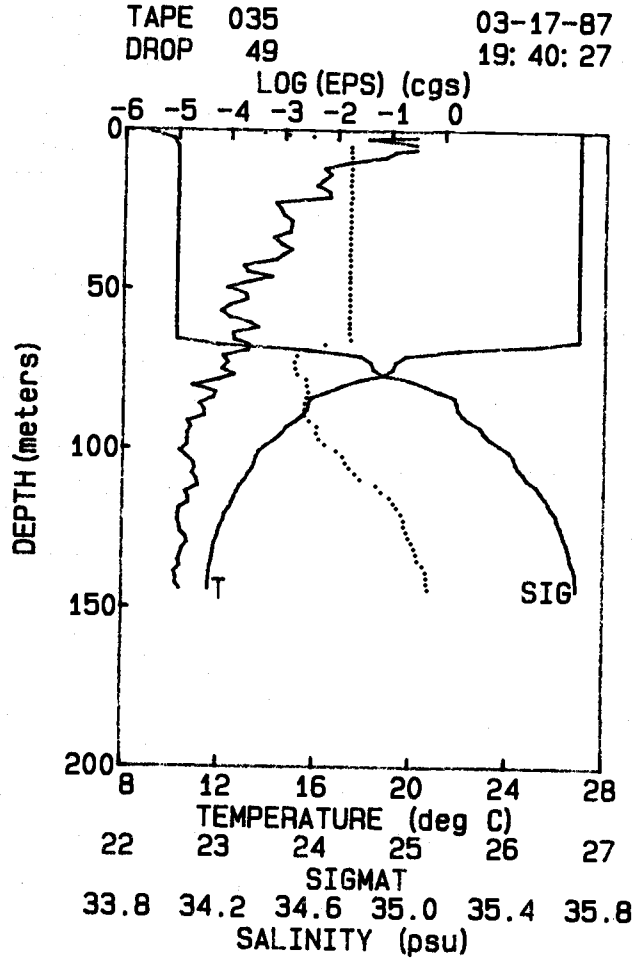
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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200
T
SIG
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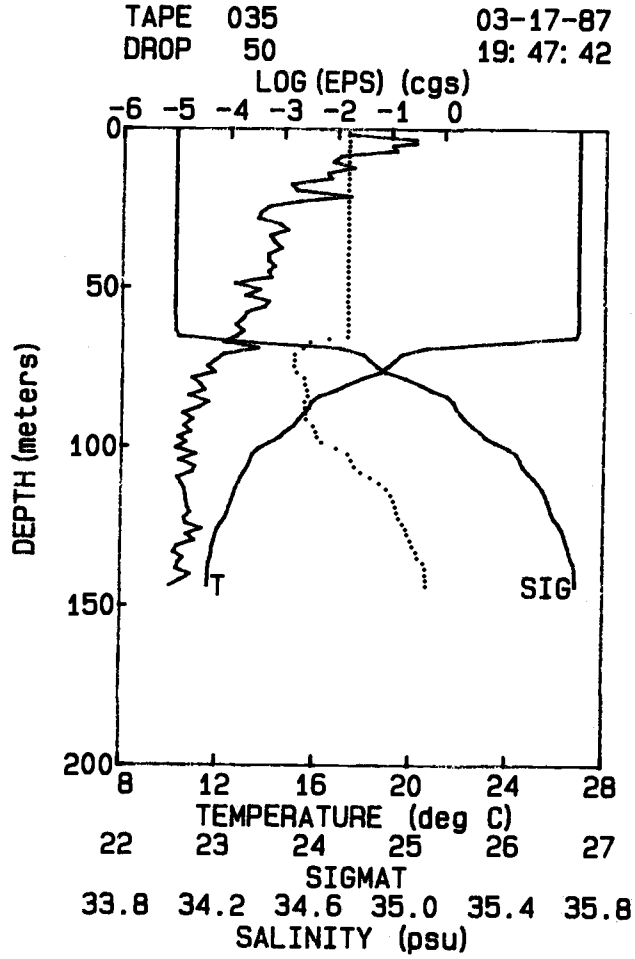
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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19: 47: 42
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T
SIG
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TEMPERATURE (deg C)
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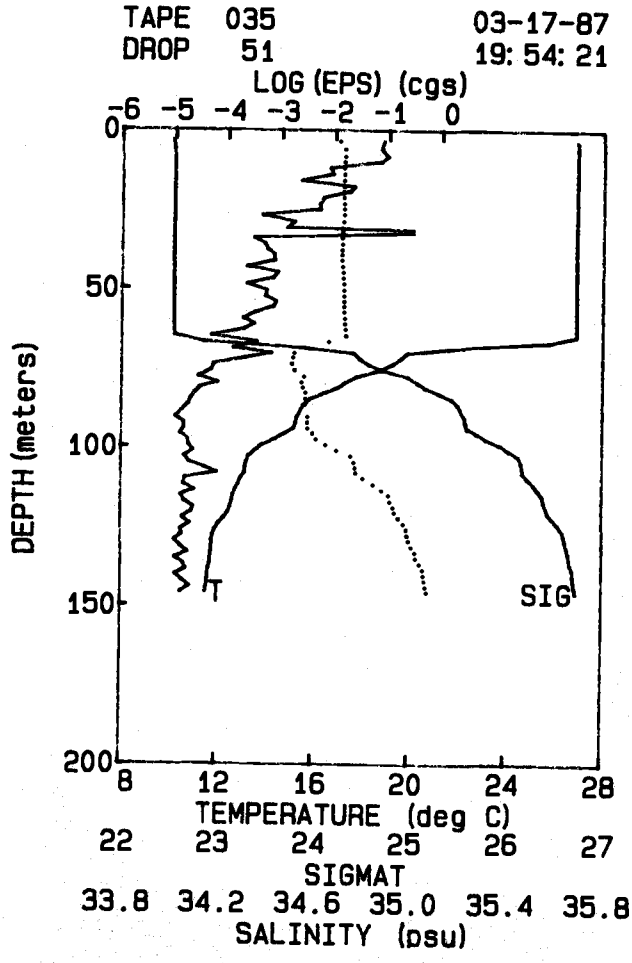
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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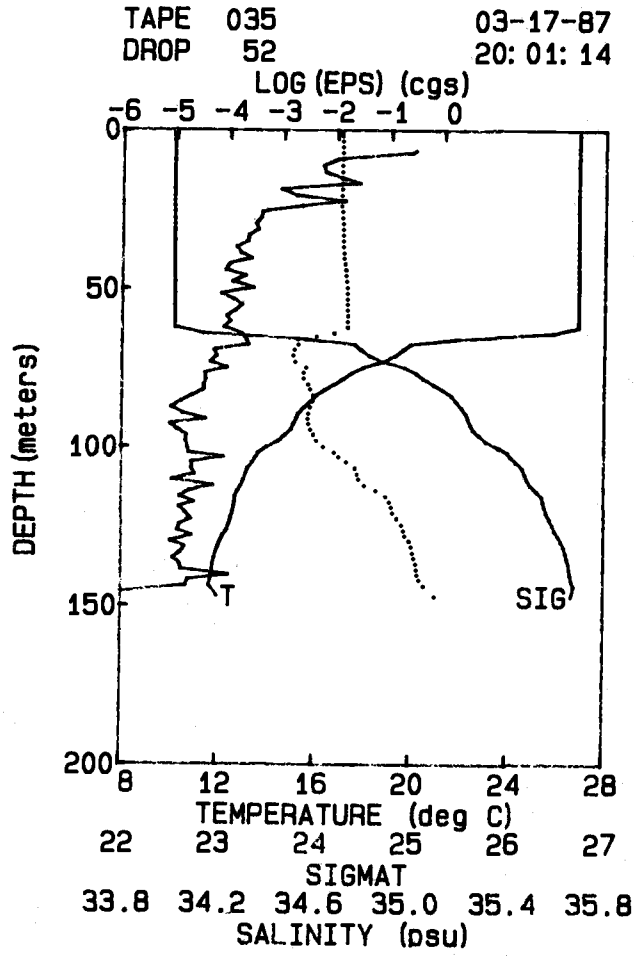
03-17-87
19: 54: 21
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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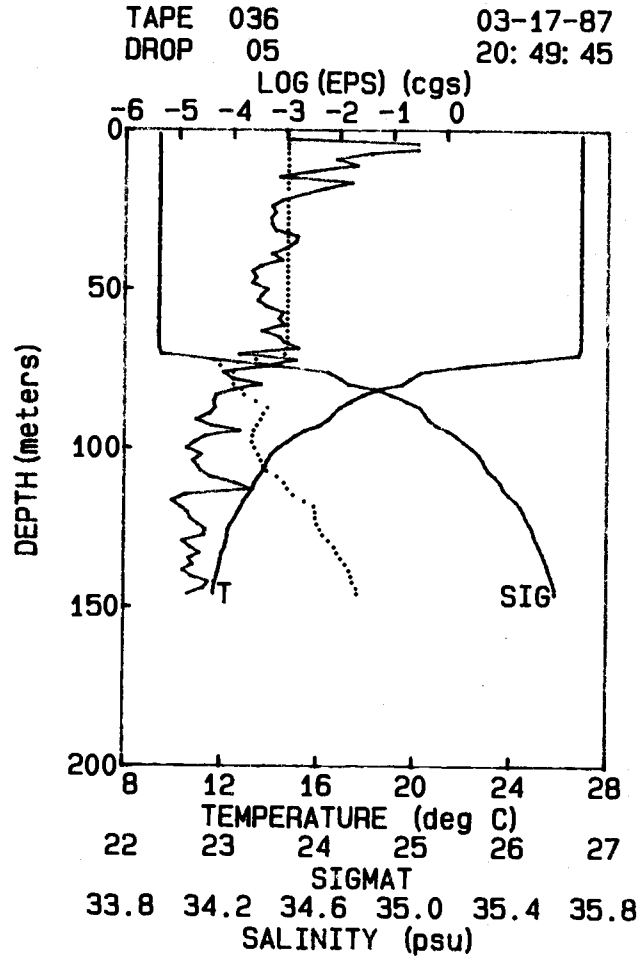
SALINITY (psu)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0
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100
150
200
DEPTH (meters)
T
SIG
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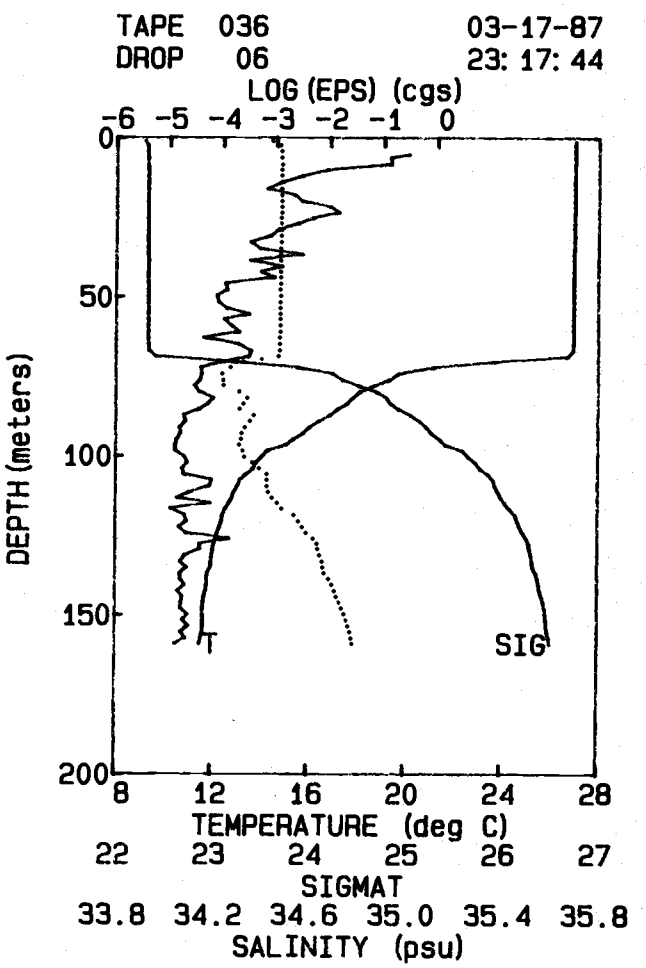
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
DEPTH (meters)
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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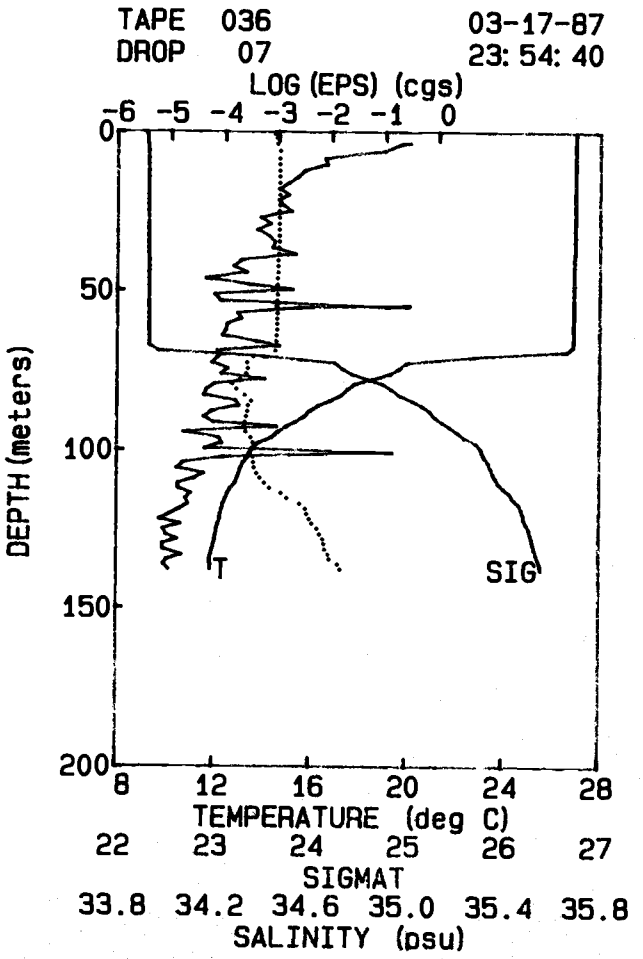
SALINITY (psu)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100
150
200
DEPTH (meters)
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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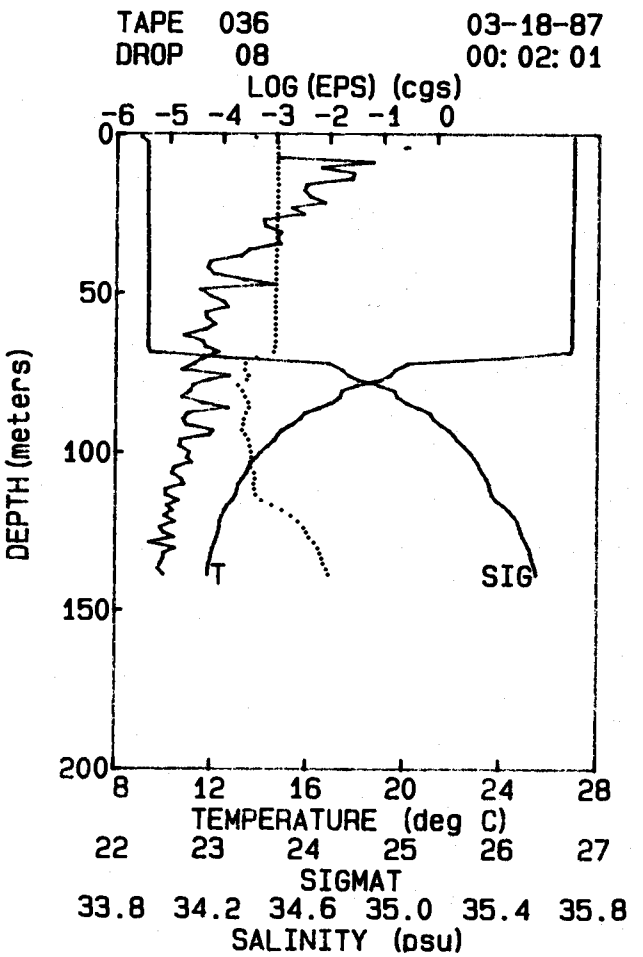
SALINITY (psu)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150
200
DEPTH (meters)
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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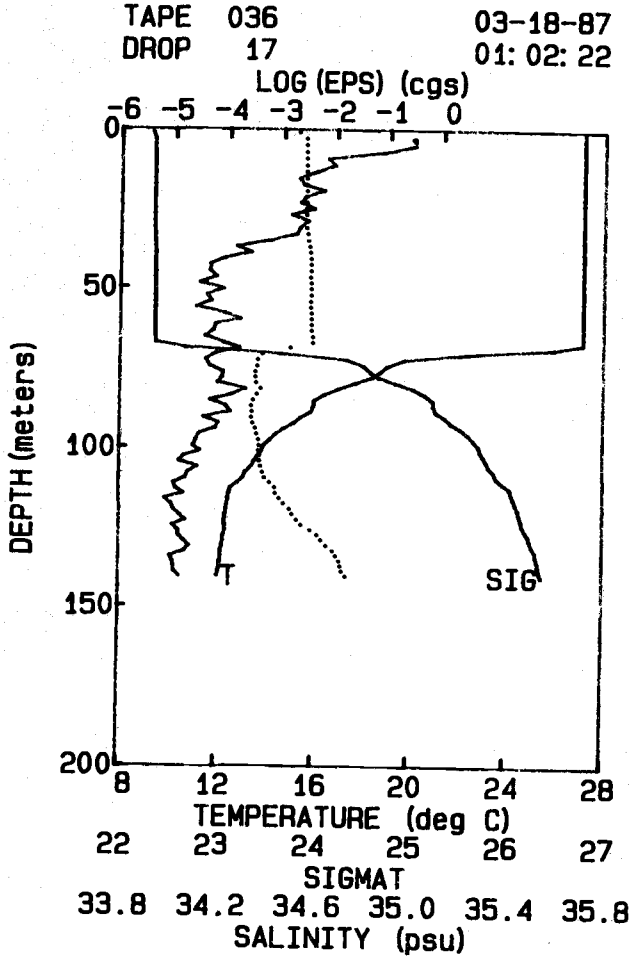
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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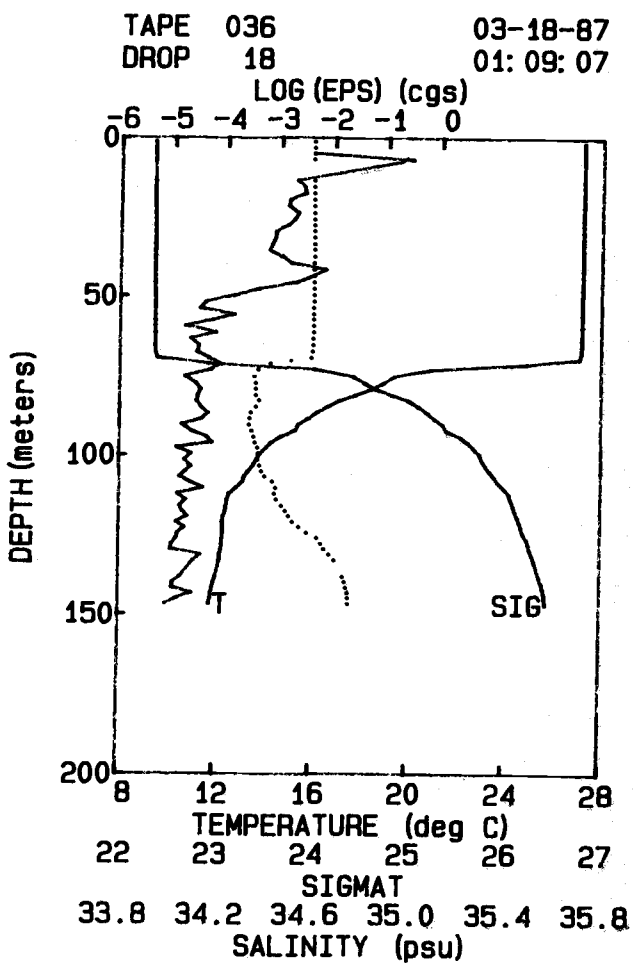
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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01: 09: 07
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DEPTH (meters)
0
50
100
150
200
T
SIG
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22 23 24 25 26 27
SIGMAT
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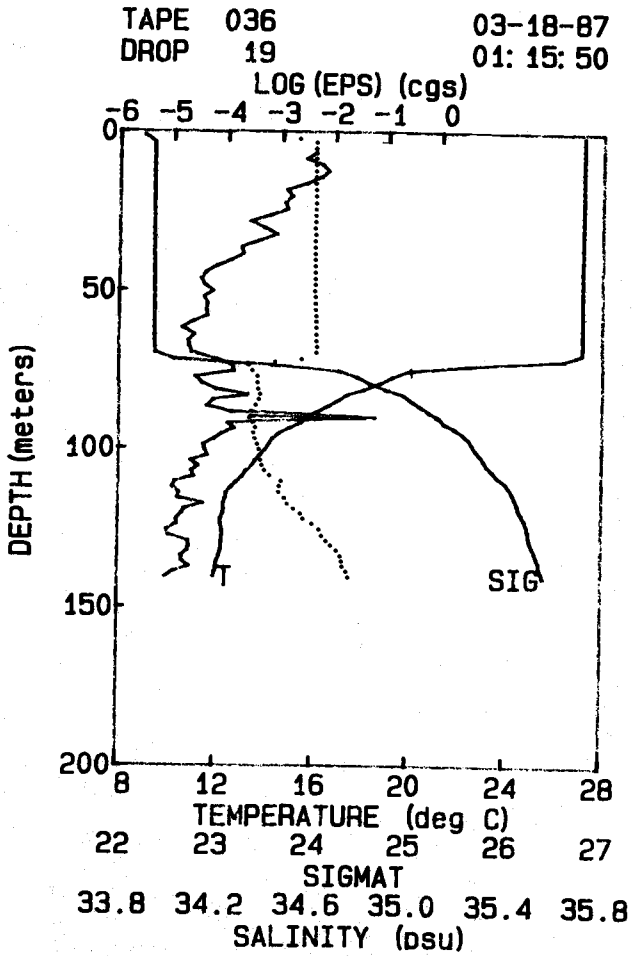
SALINITY (psu)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50
100
150
200
T
SIG
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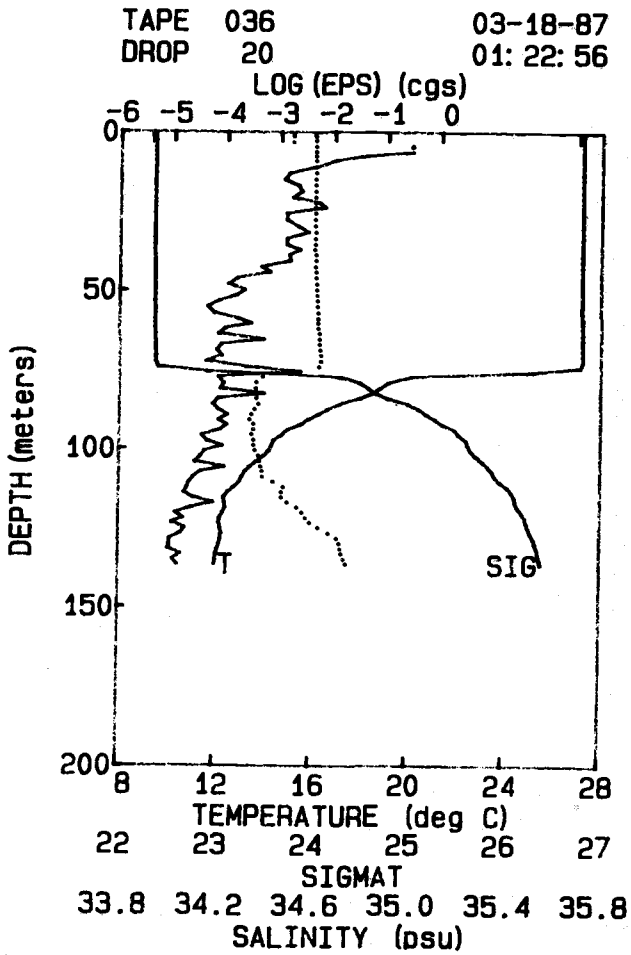
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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01: 22: 56
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
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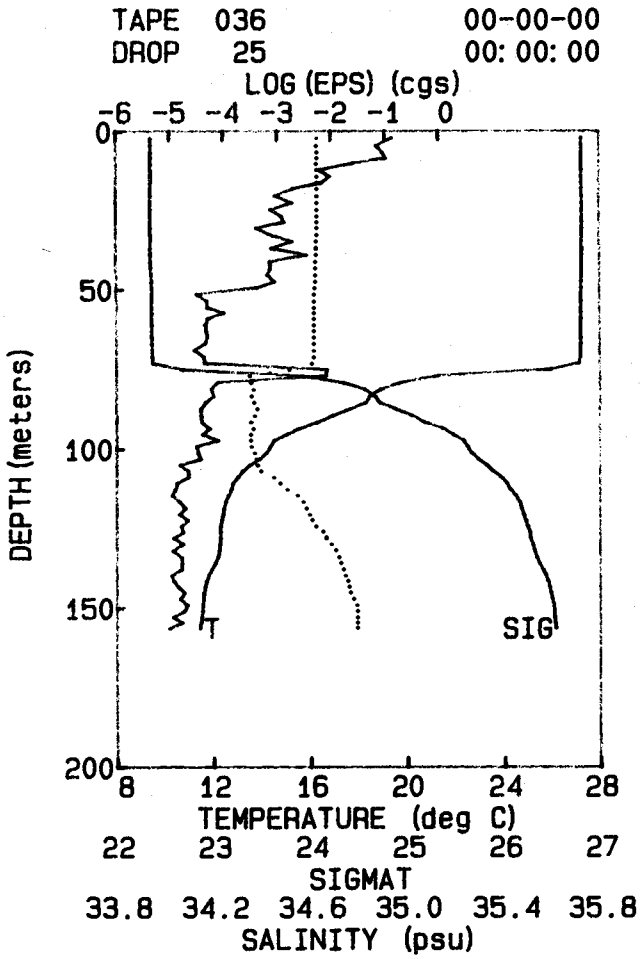
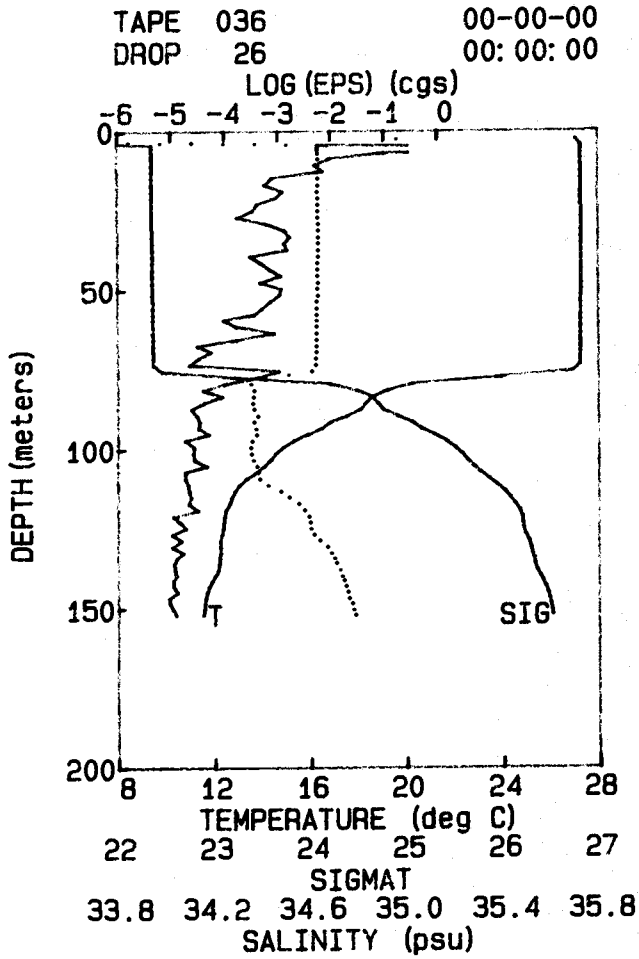
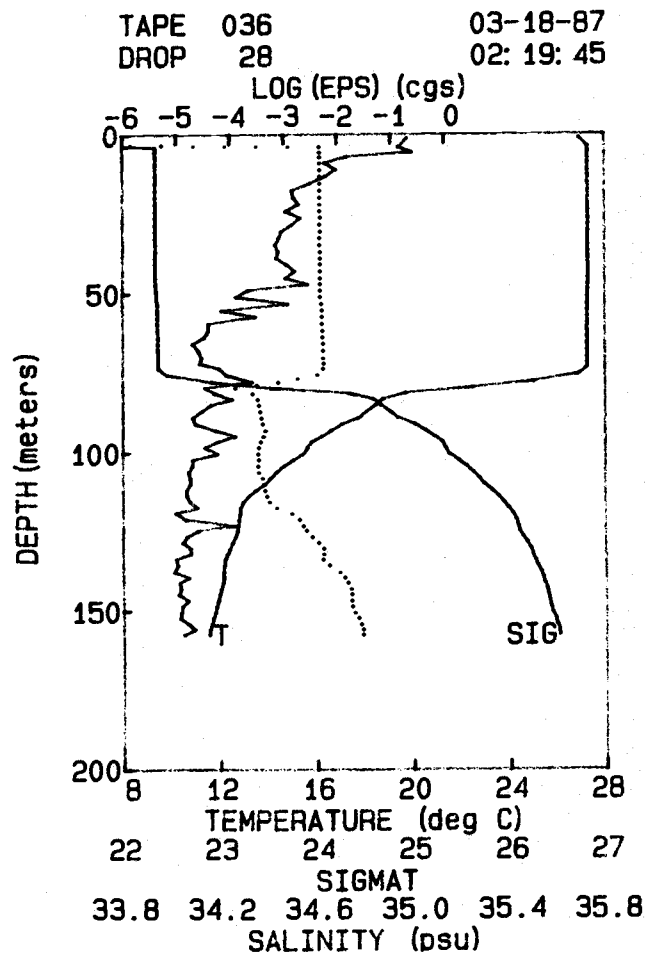
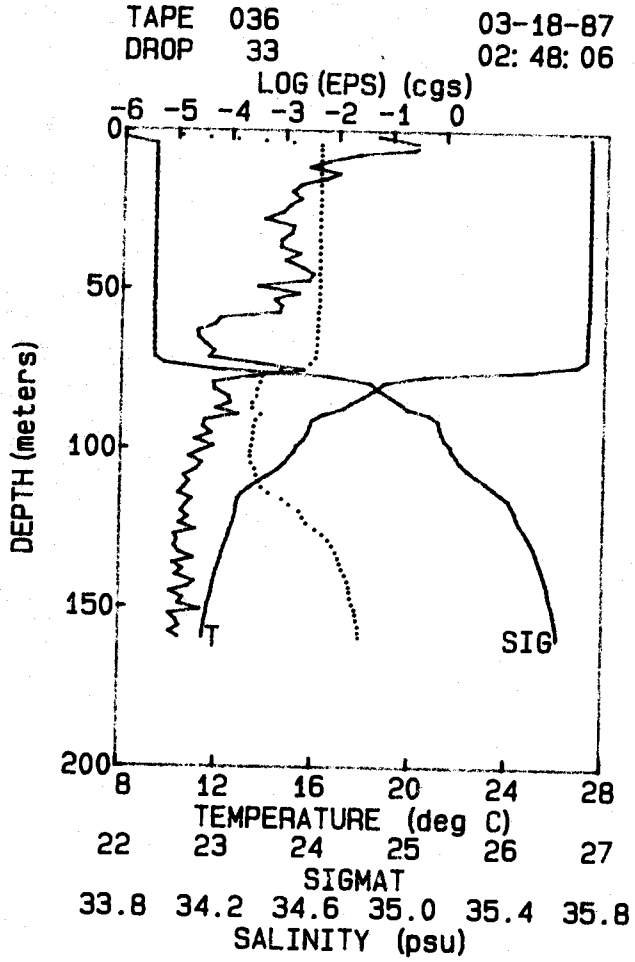
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)




DEPTH (meters)

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03-18-87
02: 48: 06
LOG (EPS) (cgs)
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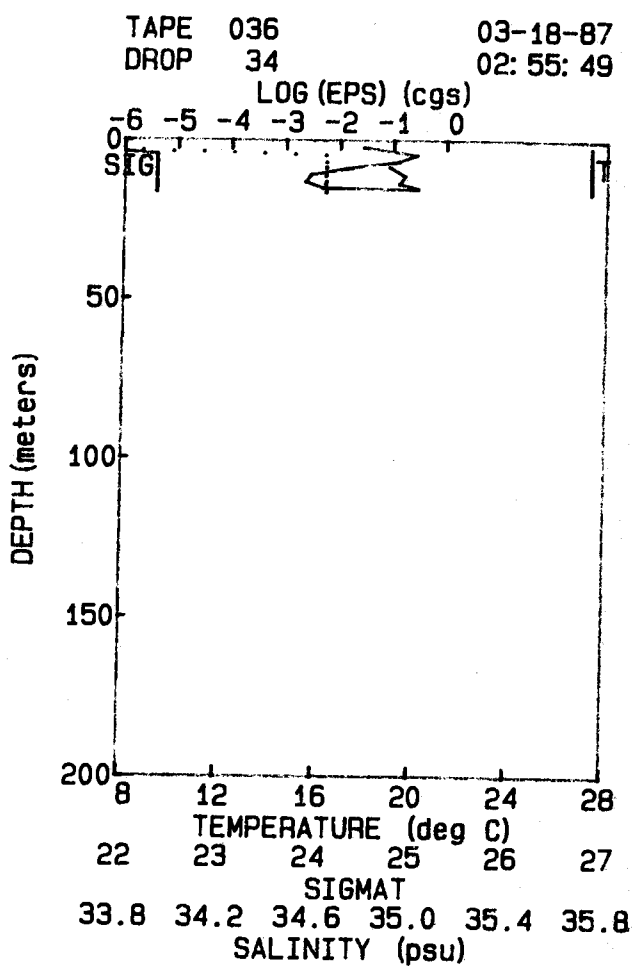
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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02: 55: 49
LOG (EPS) (cgs)
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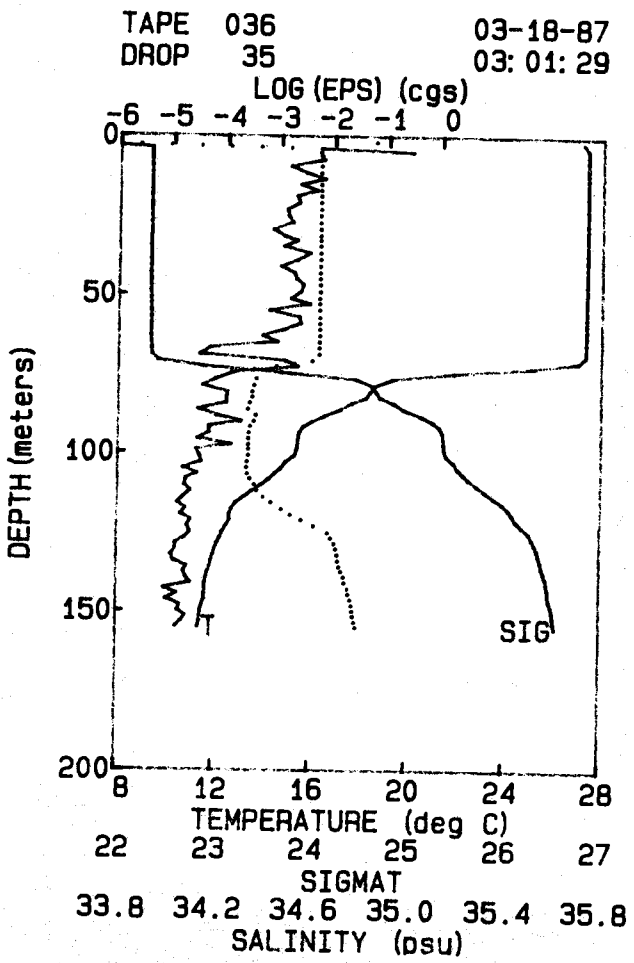
DEPTH (meters)
0
50
100
150
200
SIG
T
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
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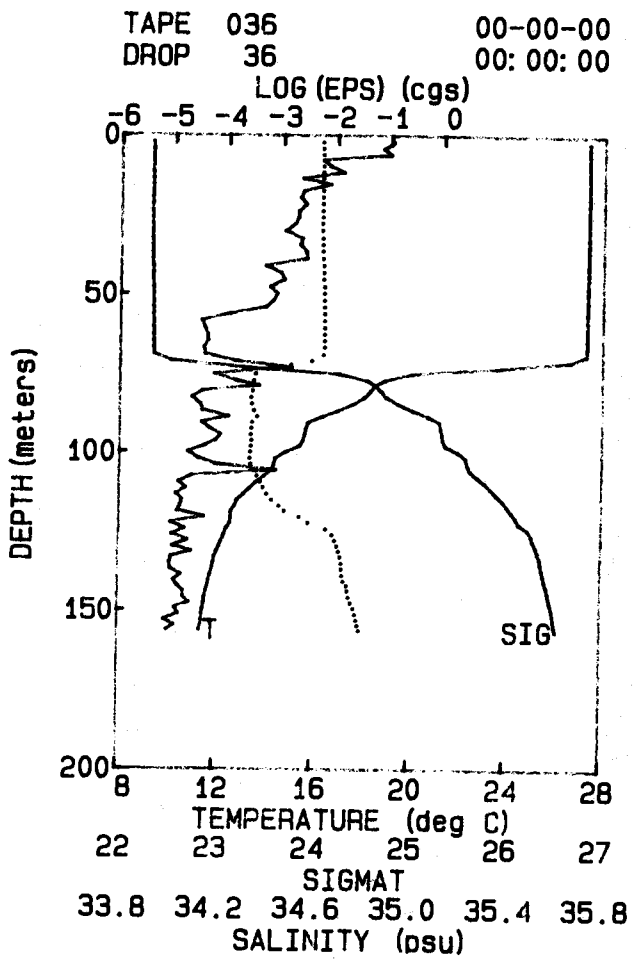
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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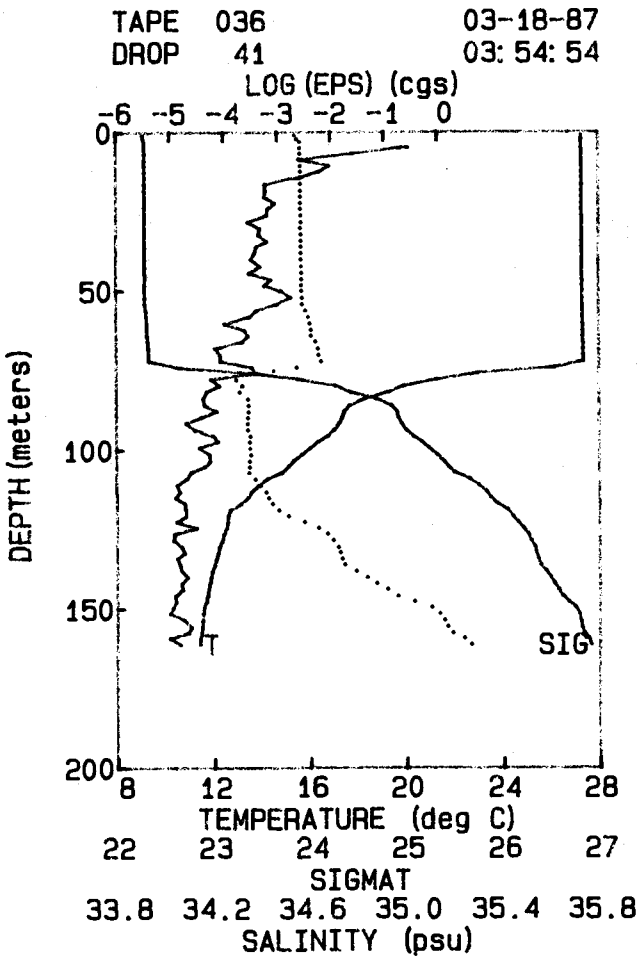
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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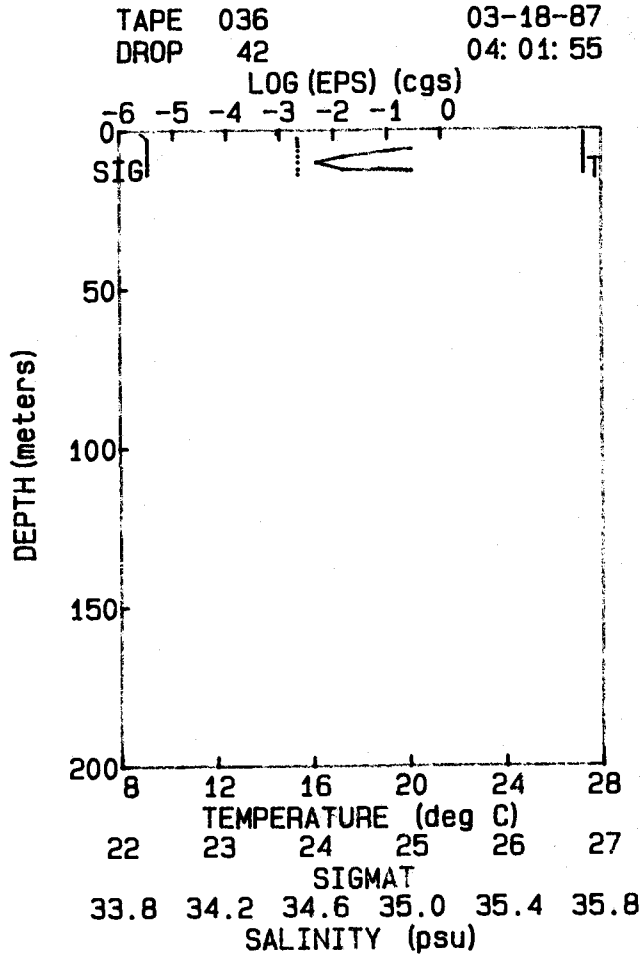
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
T
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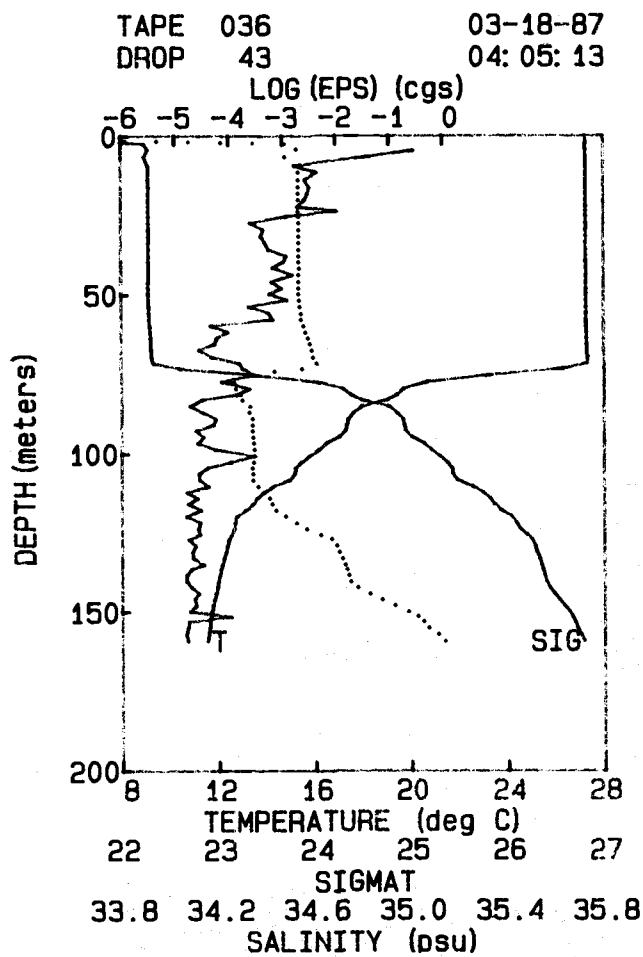
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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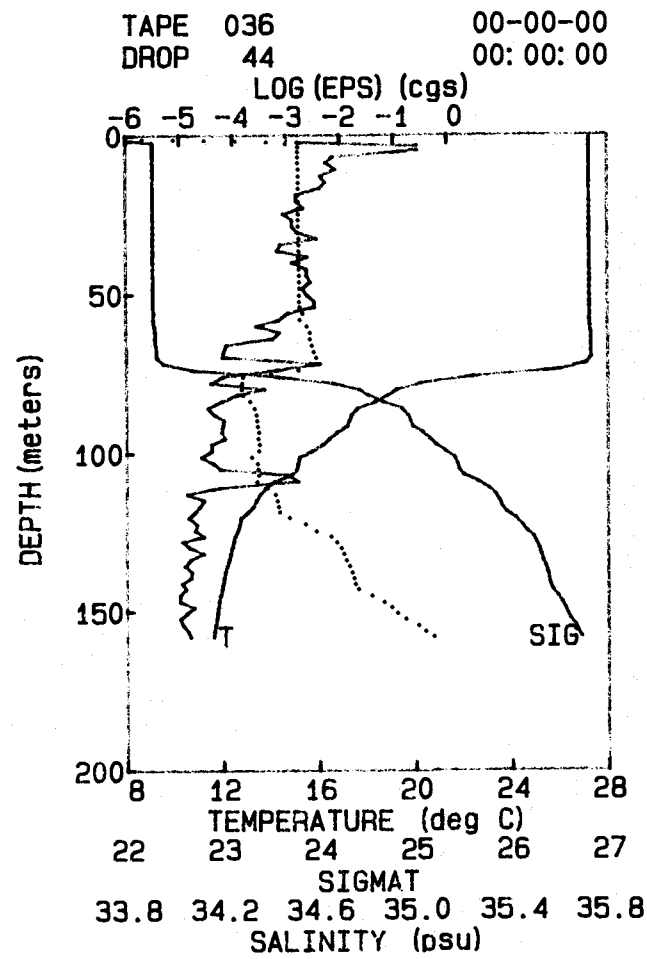
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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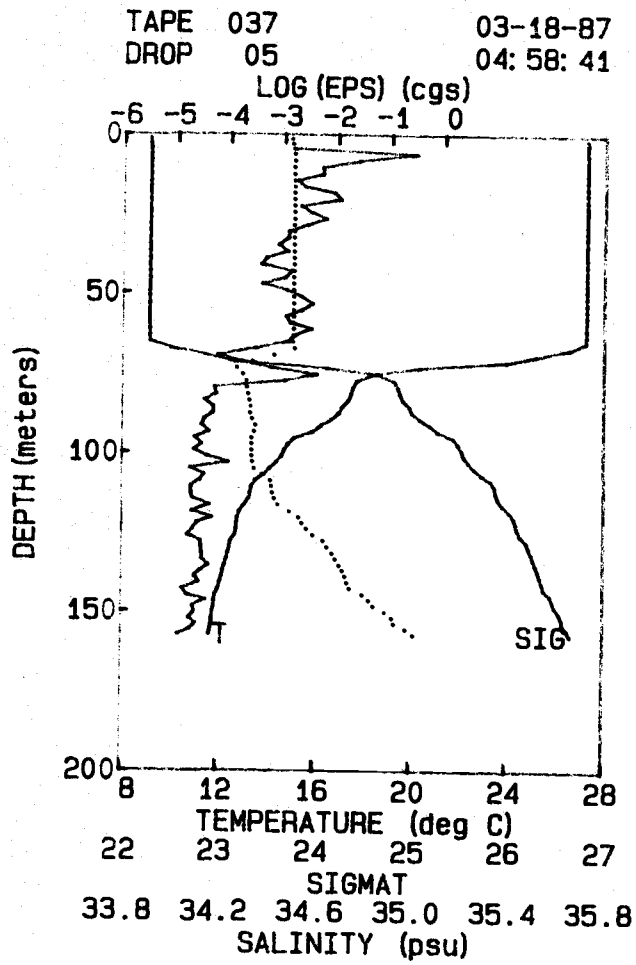
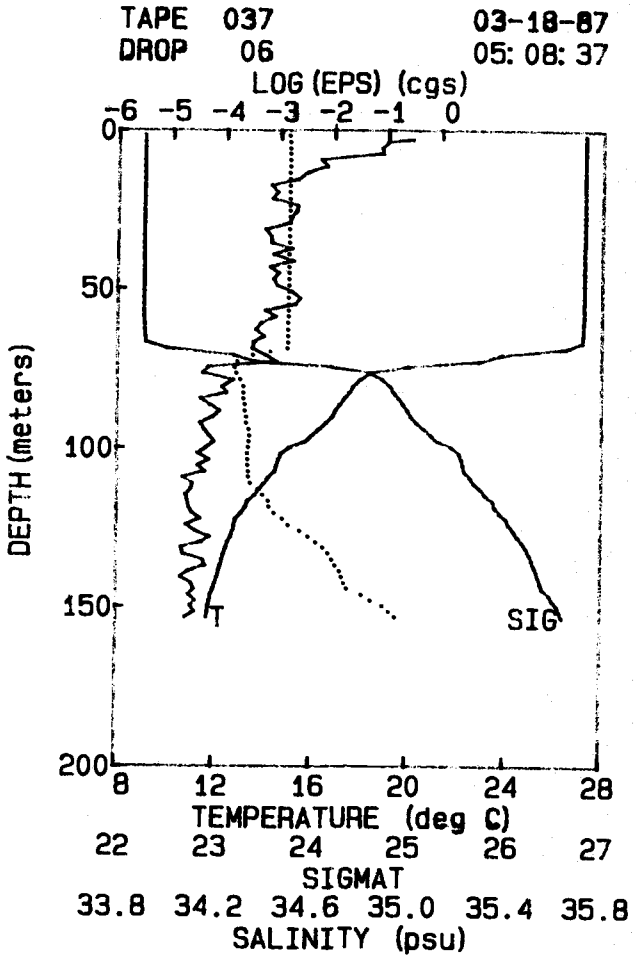
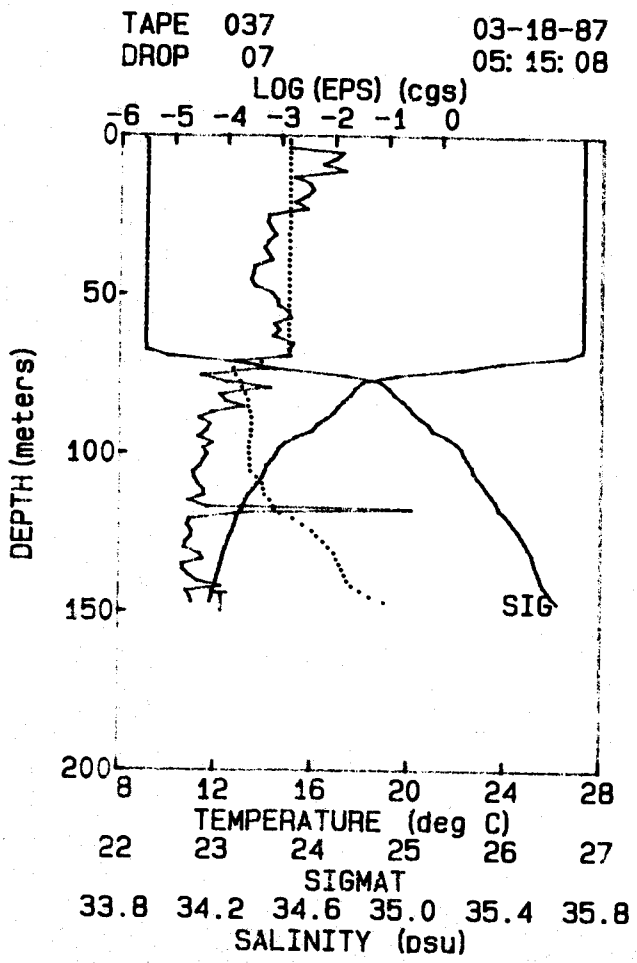
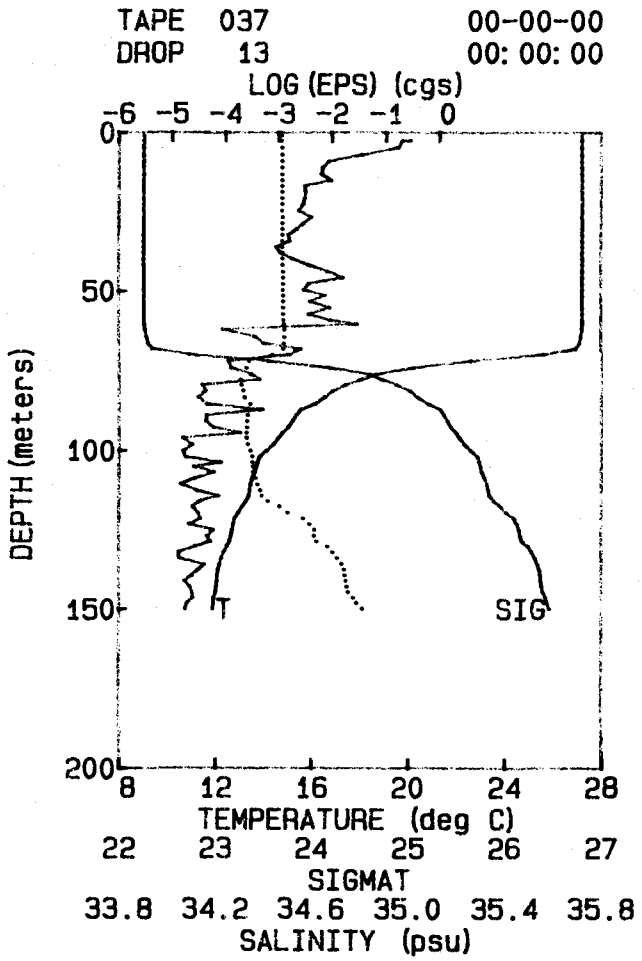
SALINITY (psu)




DEPTH (meters)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00: 00: 00
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50
100
150
200
DEPTH (meters)
T
SIG
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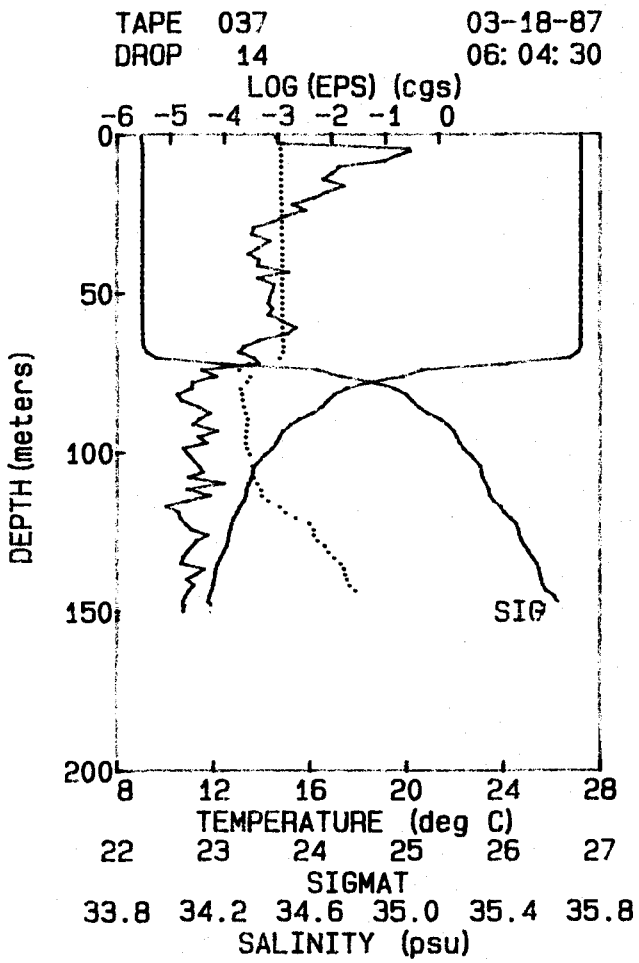
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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50
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200
DEPTH (meters)
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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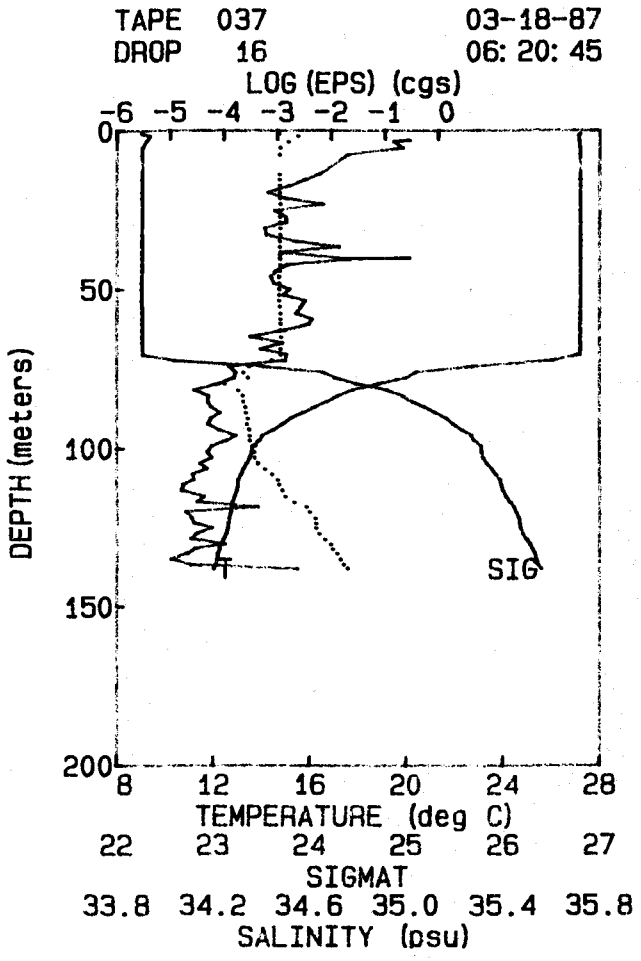
SALINITY (psu)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100
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200
DEPTH (meters)
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SIGMAT
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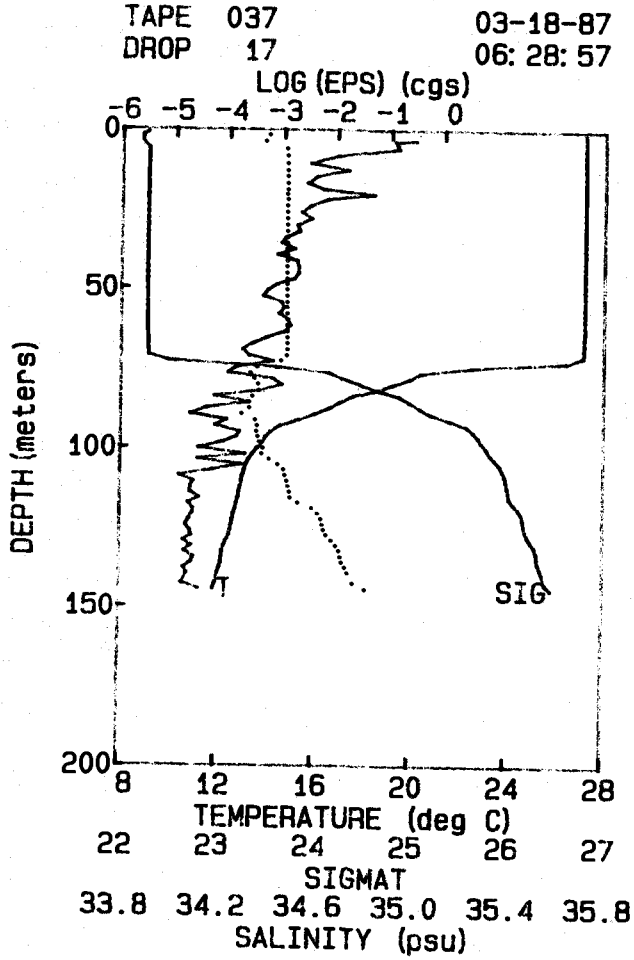
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
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SIGMAT
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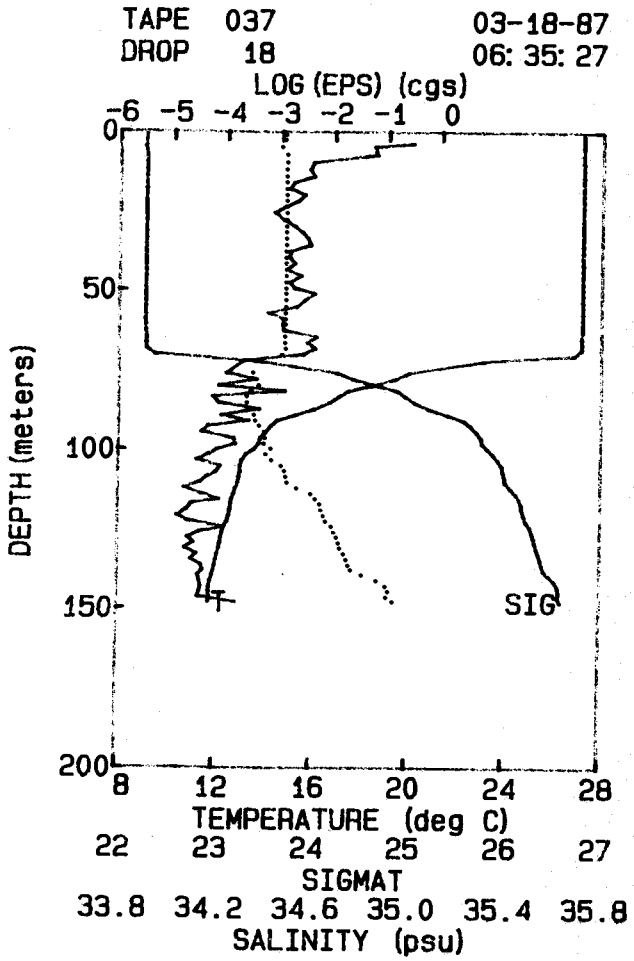
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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100
150
200
T
SIG
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SIGMAT
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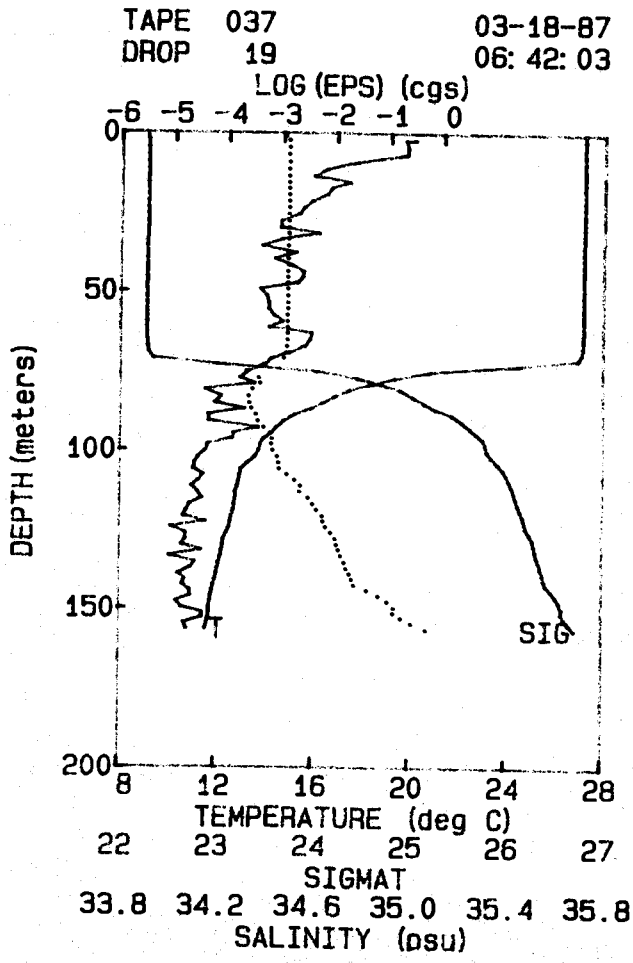
SALINITY (psu)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100
150
200
T
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TEMPERATURE (deg C)
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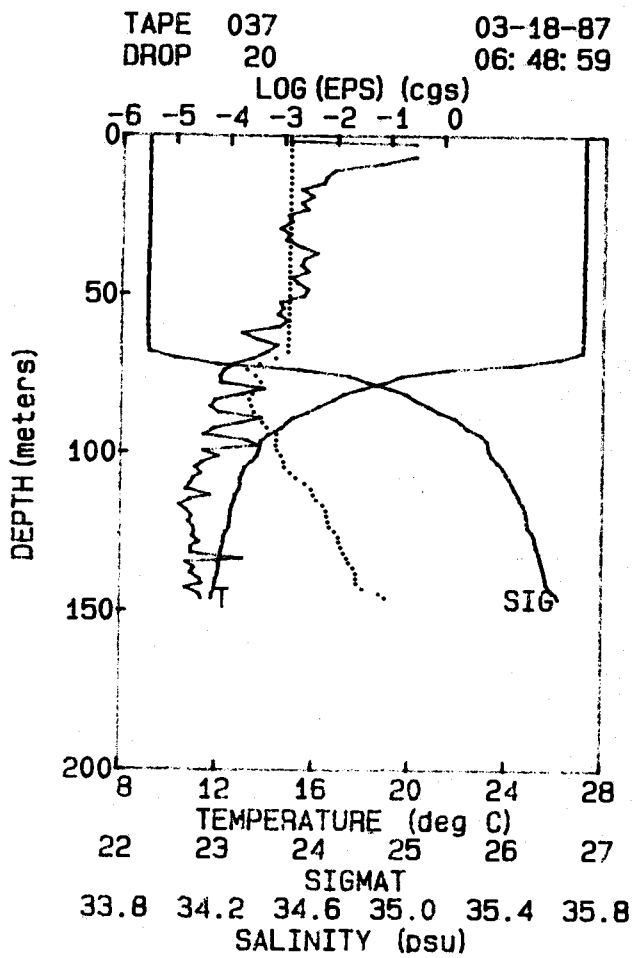
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
T
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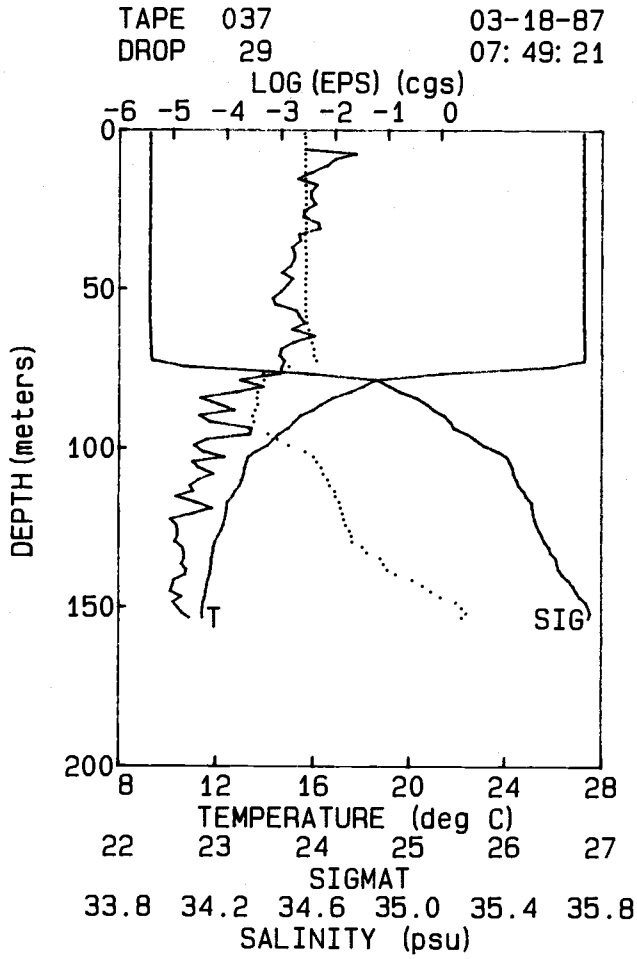
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
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TEMPERATURE (deg C)
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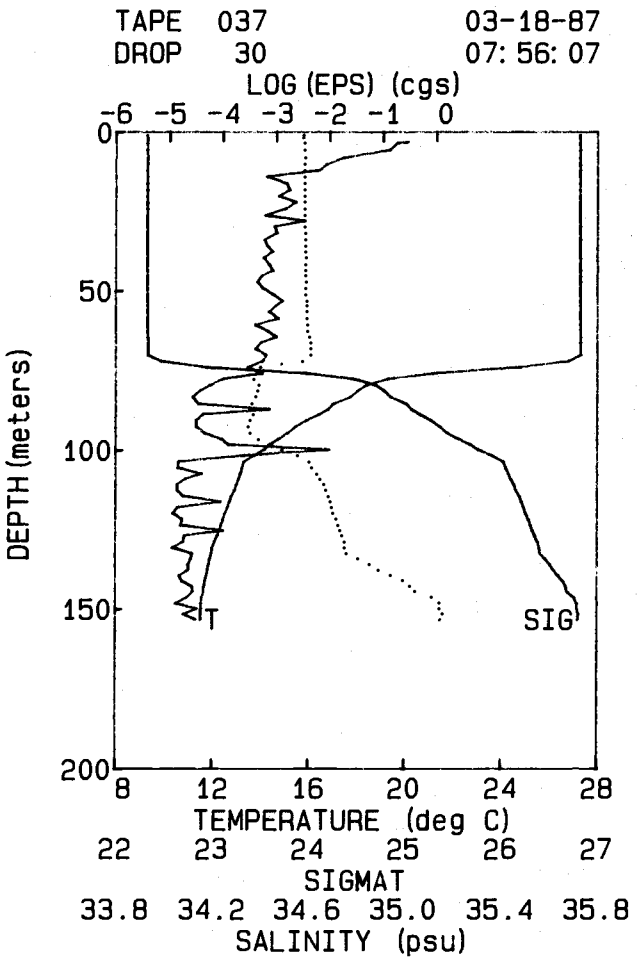
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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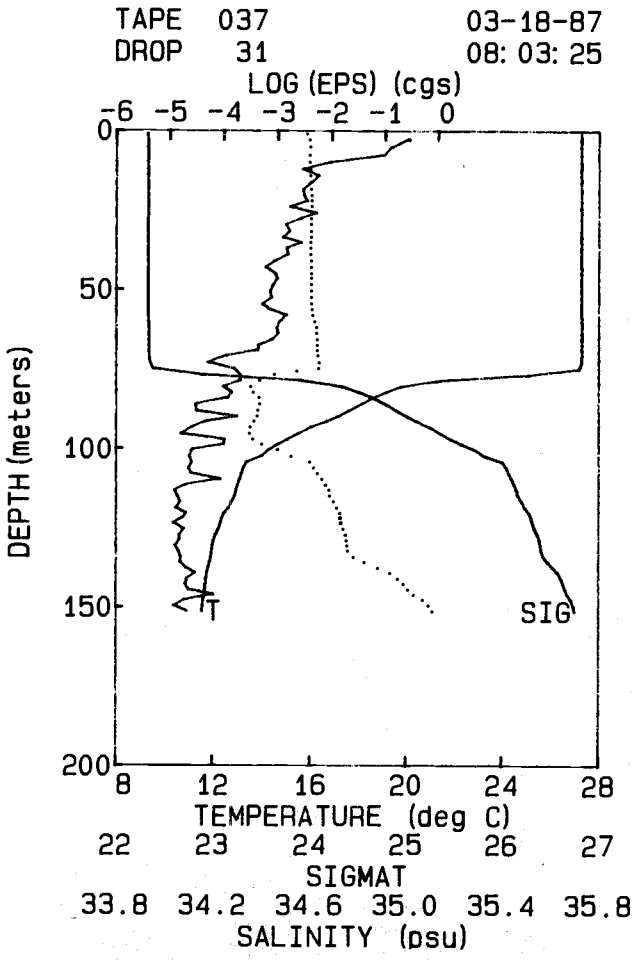
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-18-87
08: 03: 25
LOG (EPS) (cgs)
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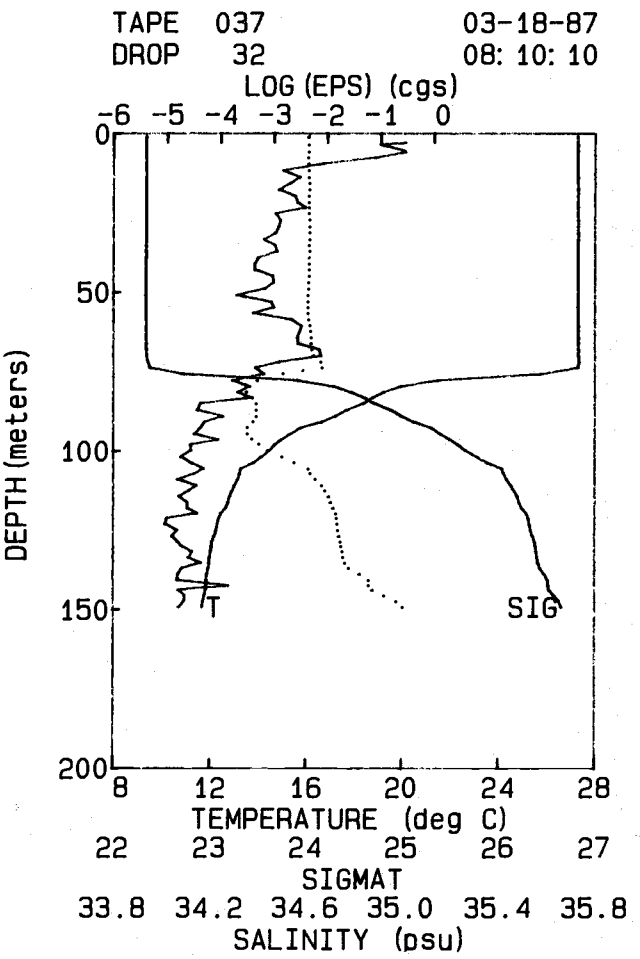
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 32
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LOG (EPS) (cgs)
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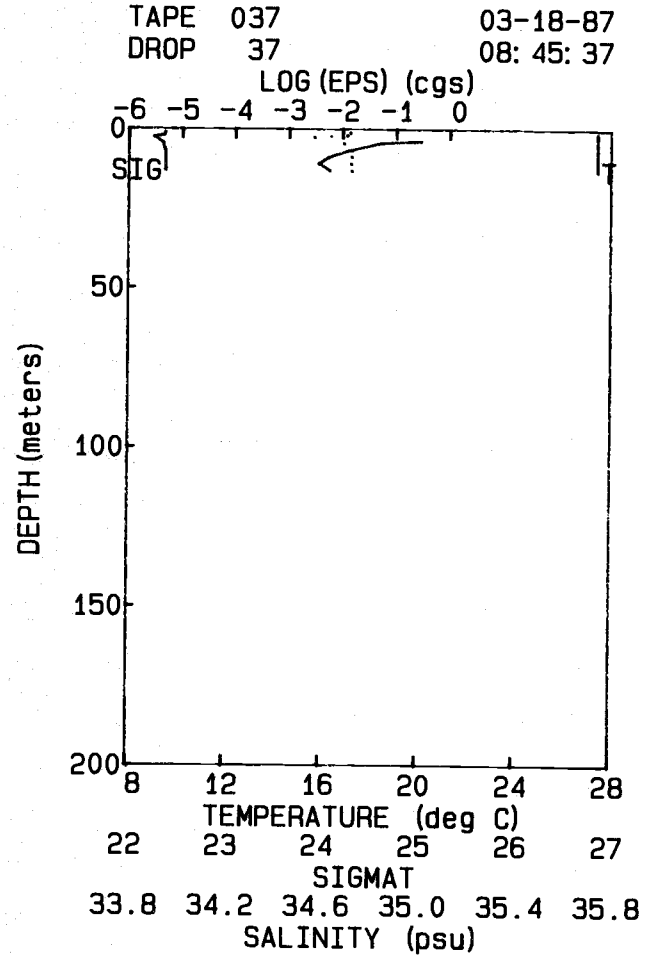
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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SIG
T
DEPTH (meters)
0
50
100
150
200
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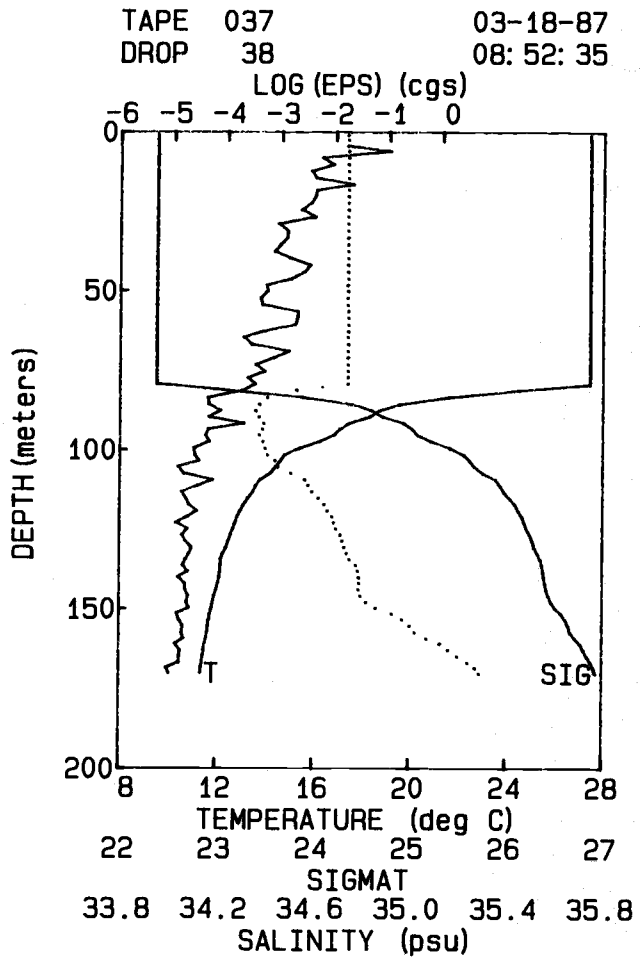
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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T
SIG
DEPTH (meters)
0
50
100
150
200
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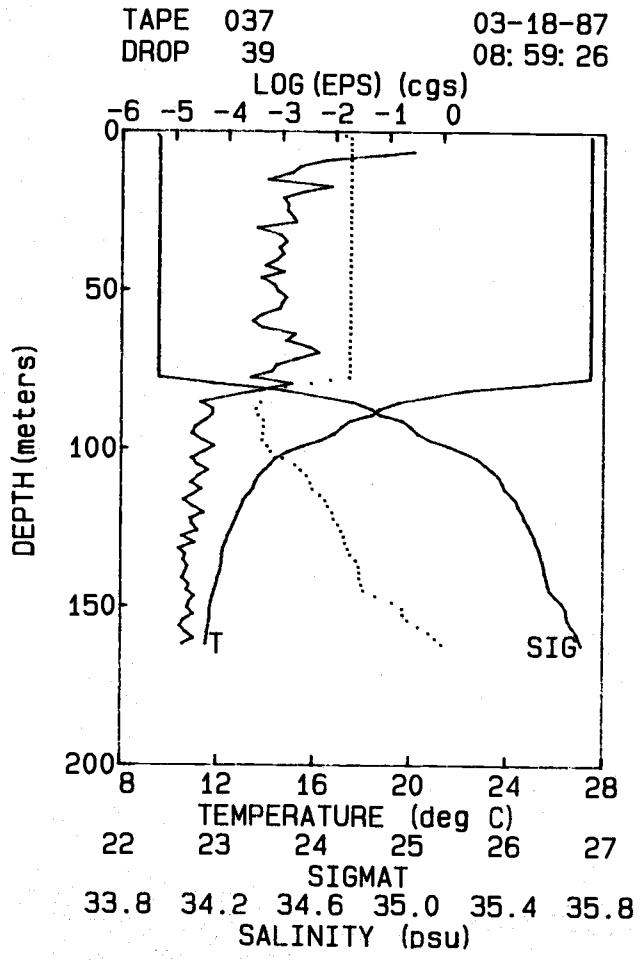
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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T
SIG
DEPTH (meters)
0
50
100
150
200
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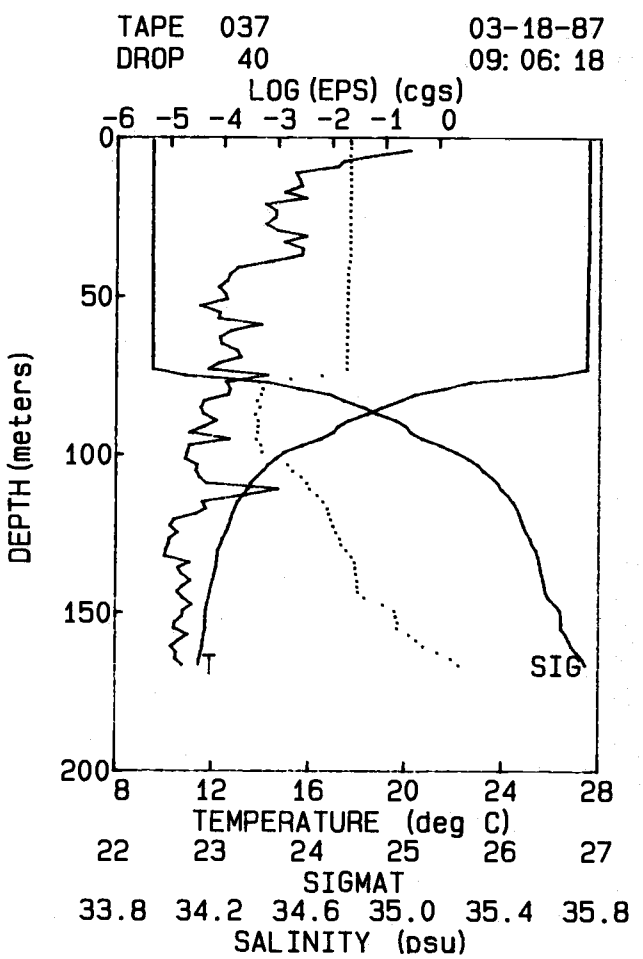
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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T
SIG
DEPTH (meters)
0
50
100
150
200
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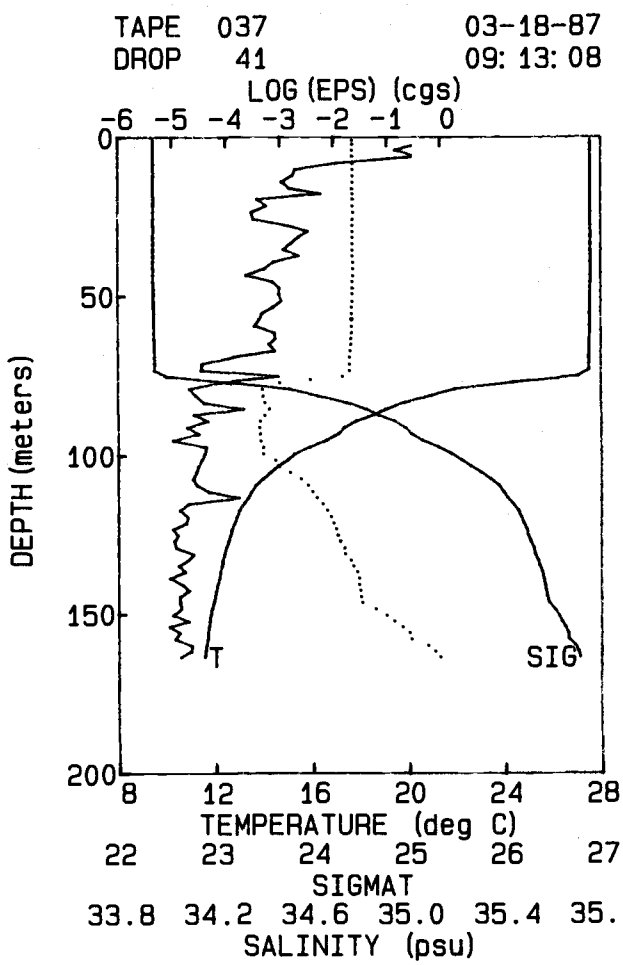
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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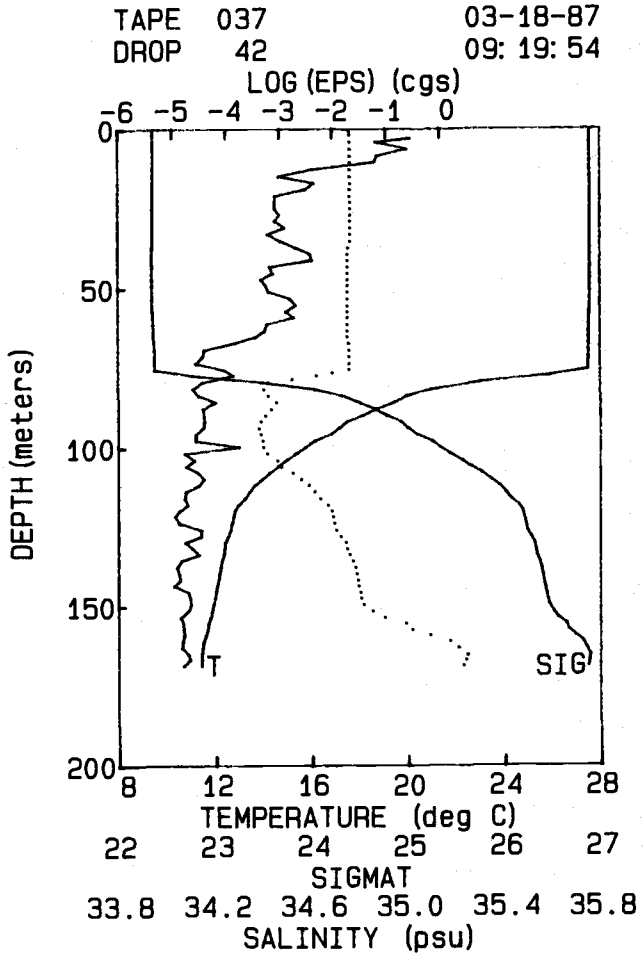
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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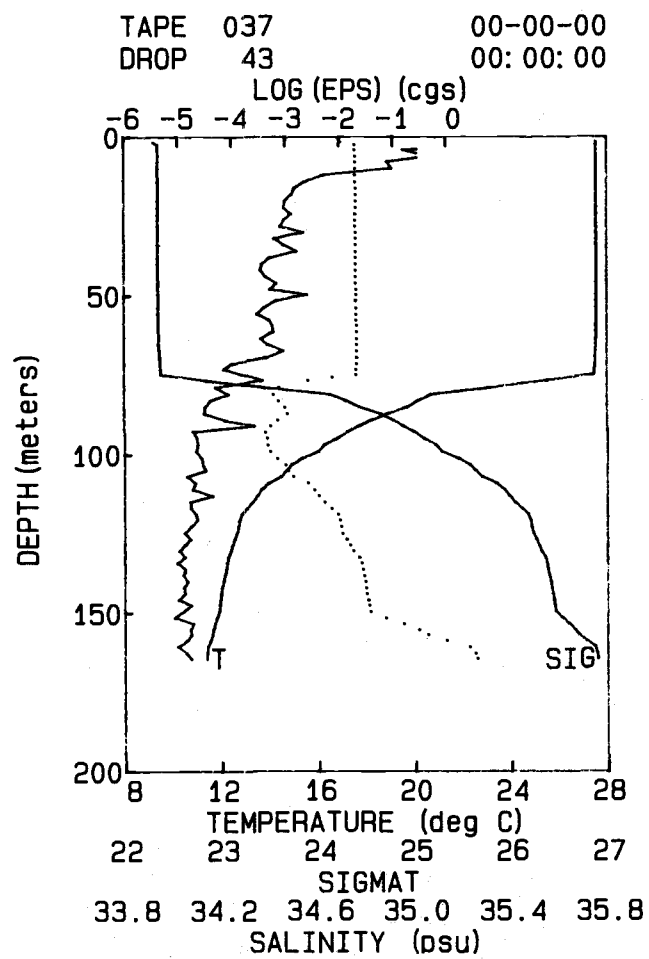
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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00: 00: 00
LOG (EPS) (cgs)
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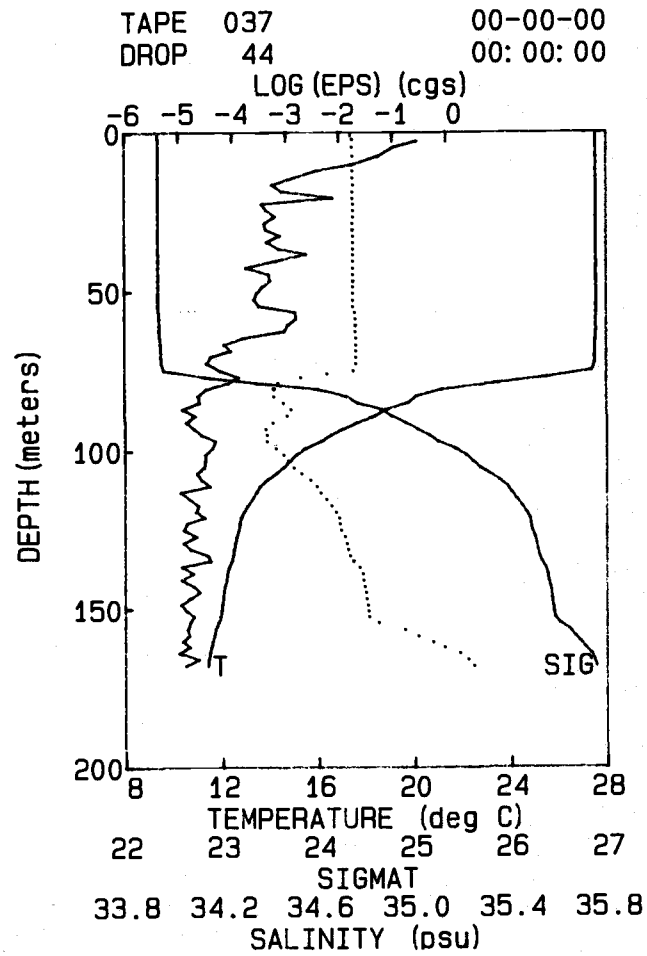
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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00: 00: 00
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DEPTH (meters)
0
50
100
150
200
T
SIG
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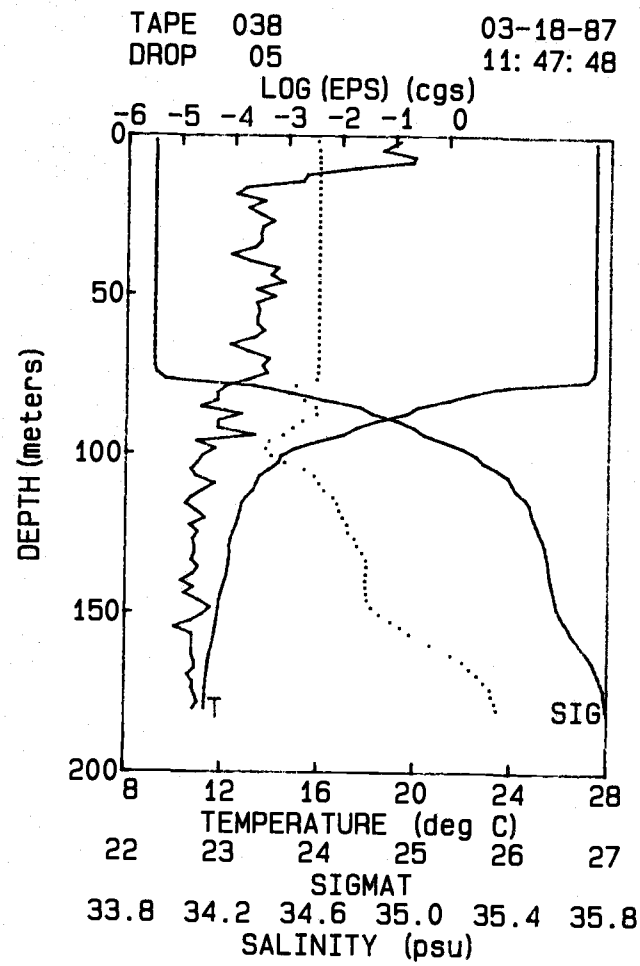
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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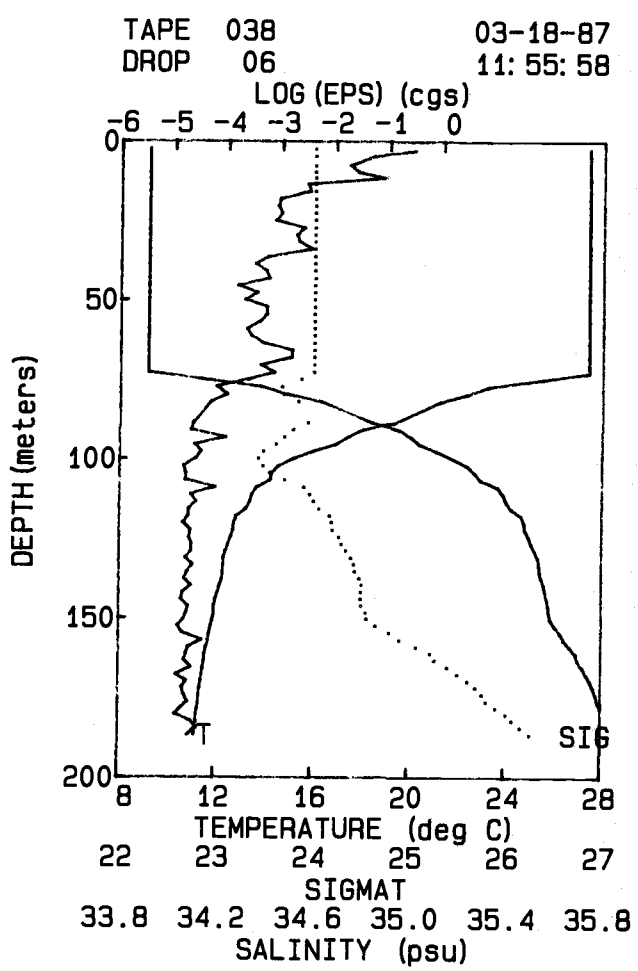
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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11: 55: 58
LOG (EPS) (cgs)
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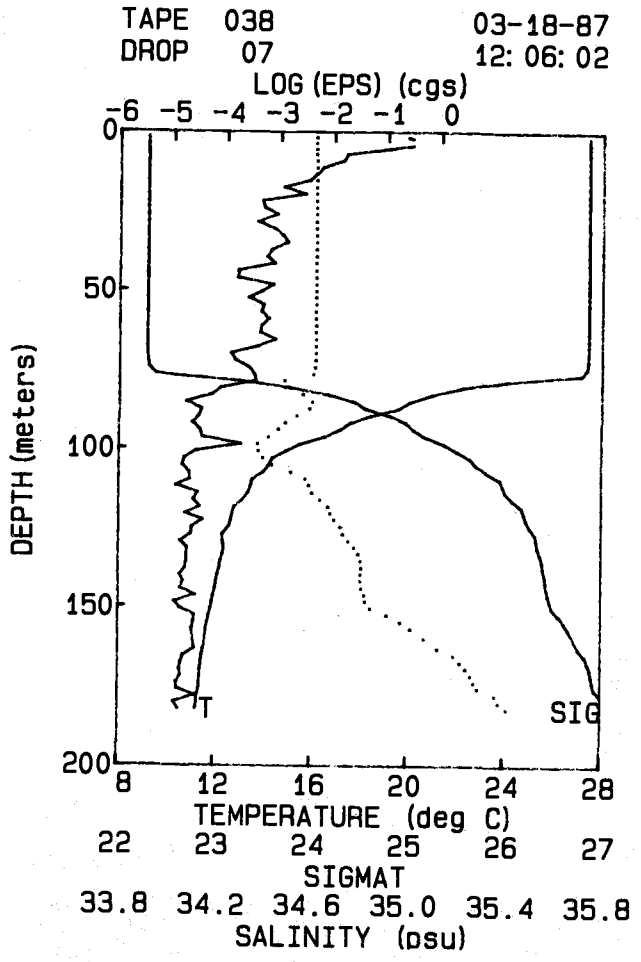
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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12: 06: 02
LOG (EPS) (cgs)
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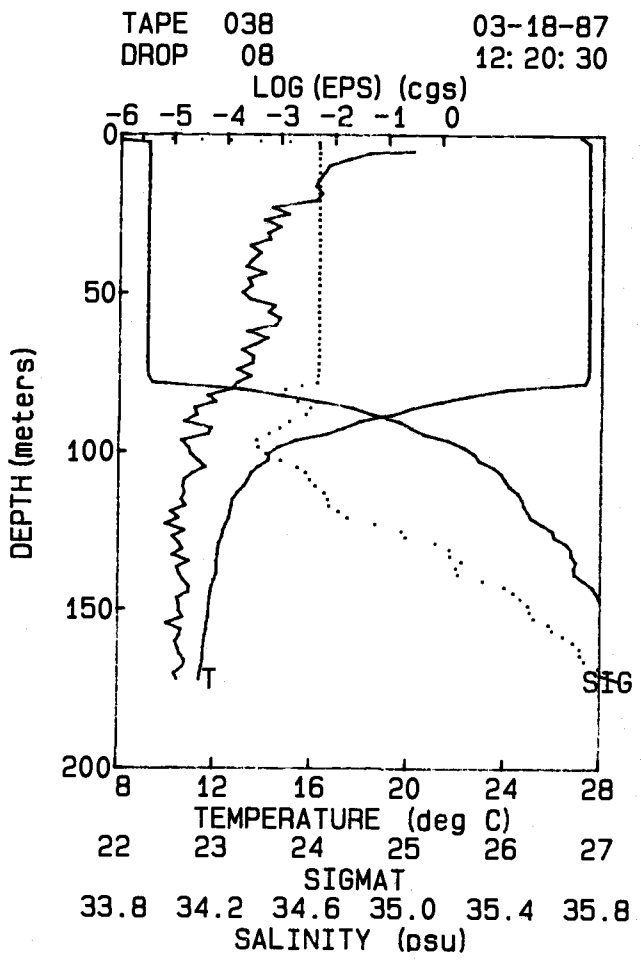
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-18-87
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LOG (EPS) (cgs)
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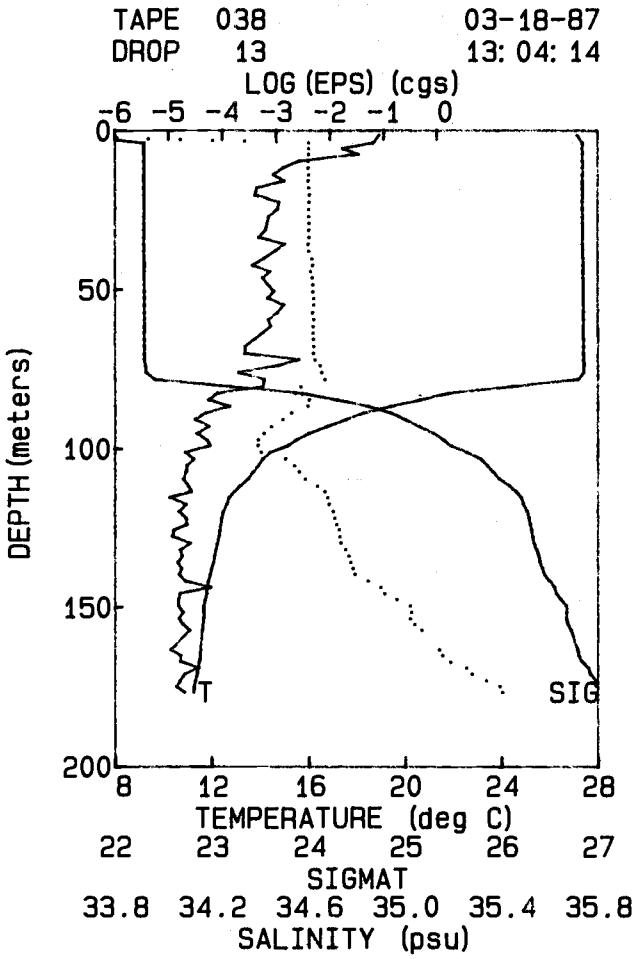
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 13 13: 04: 14
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
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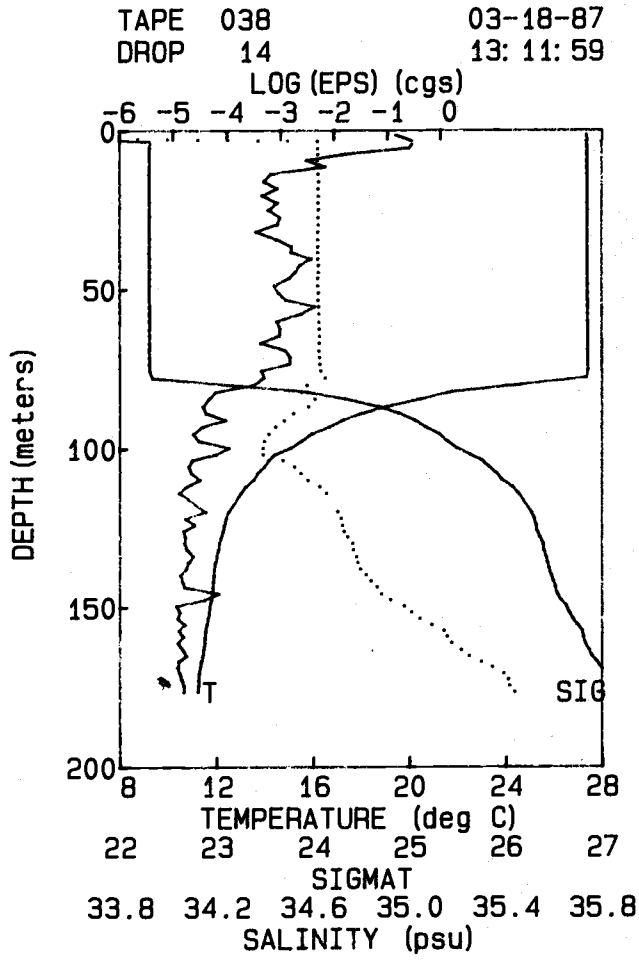
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 14 13: 11: 59
LOG (EPS) (cgs)
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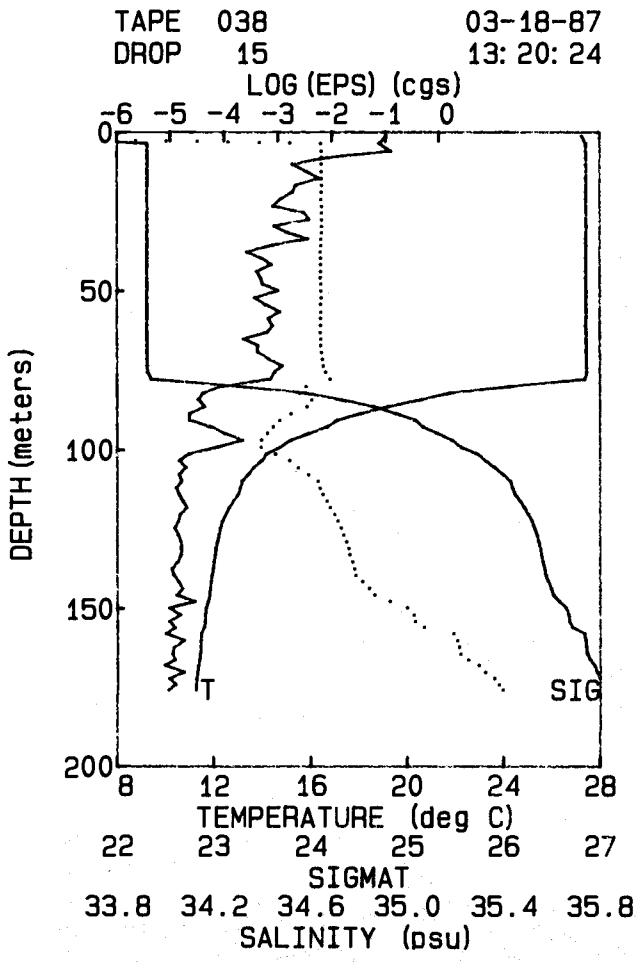
DEPTH (meters)
0
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 15 13: 20: 24
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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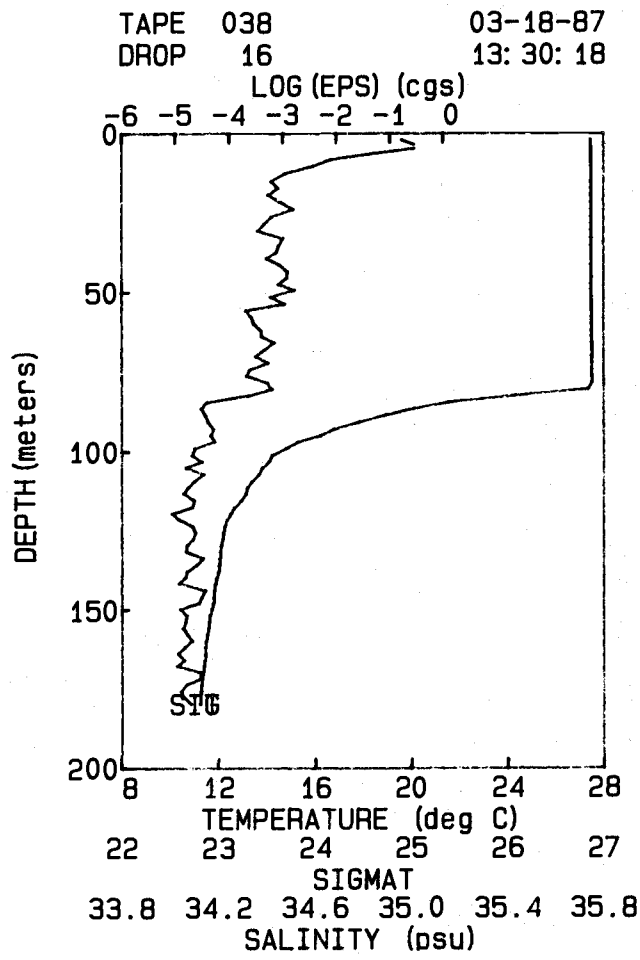
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 038 03-18-87
DROP 16 13: 30: 18
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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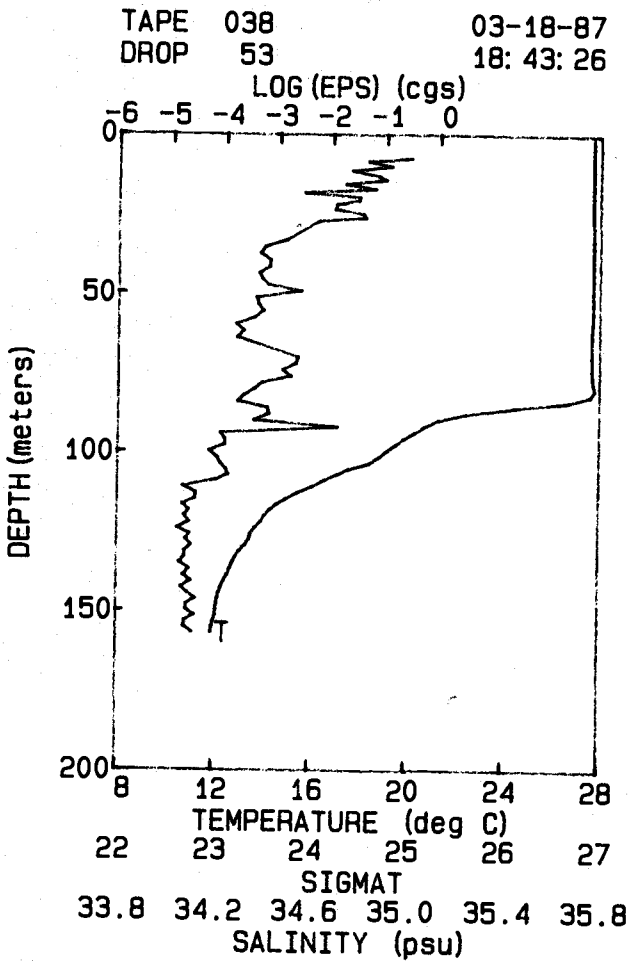
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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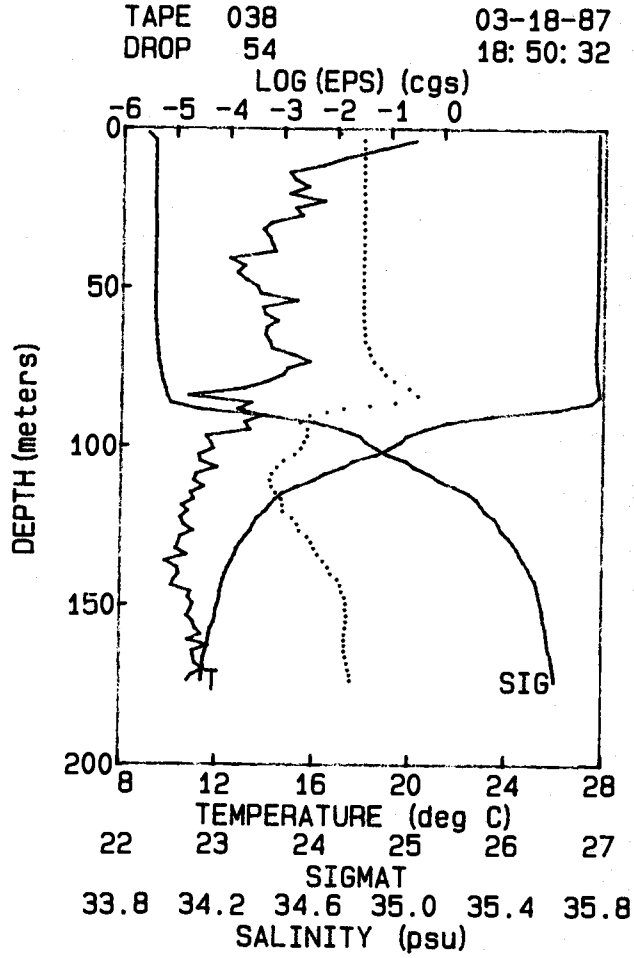
DEPTH (meters)
0
50
100
150
200
T
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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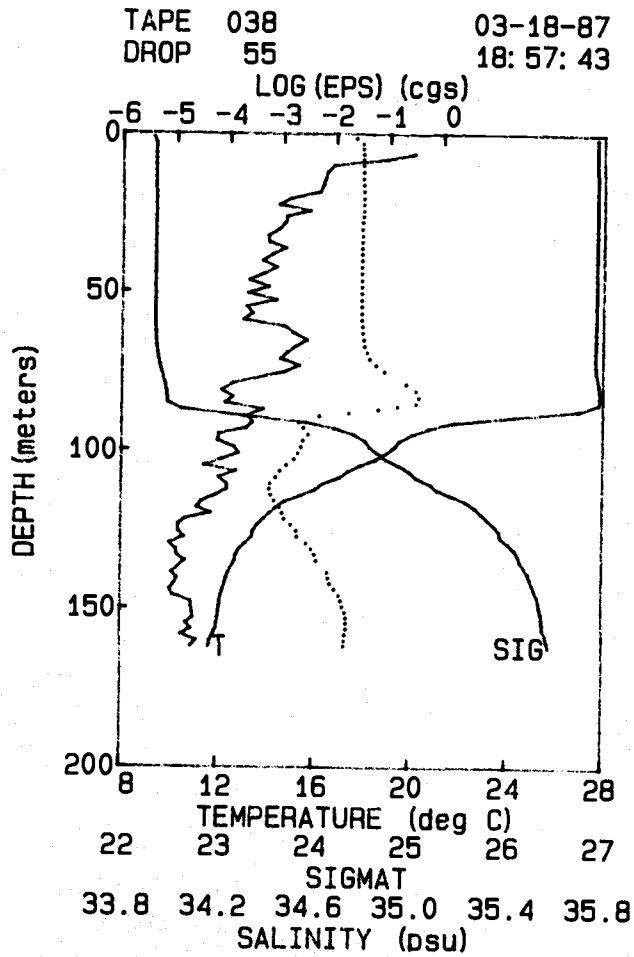
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-18-87
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DEPTH (meters)
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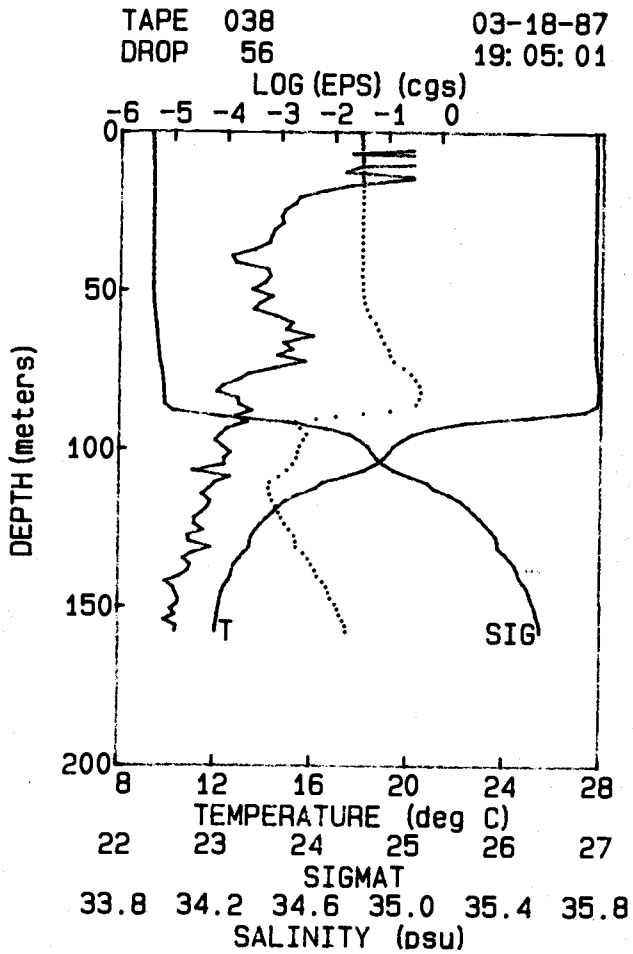
50
100
150
200
T
SIG
8 12 16 20 24 28
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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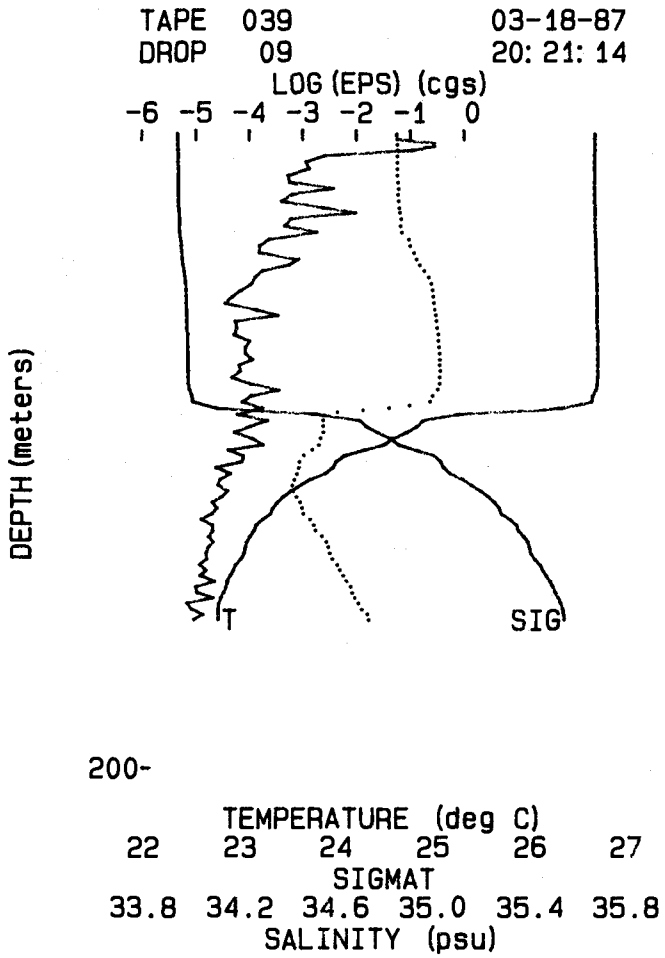
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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T
SIG
DEPTH (meters)
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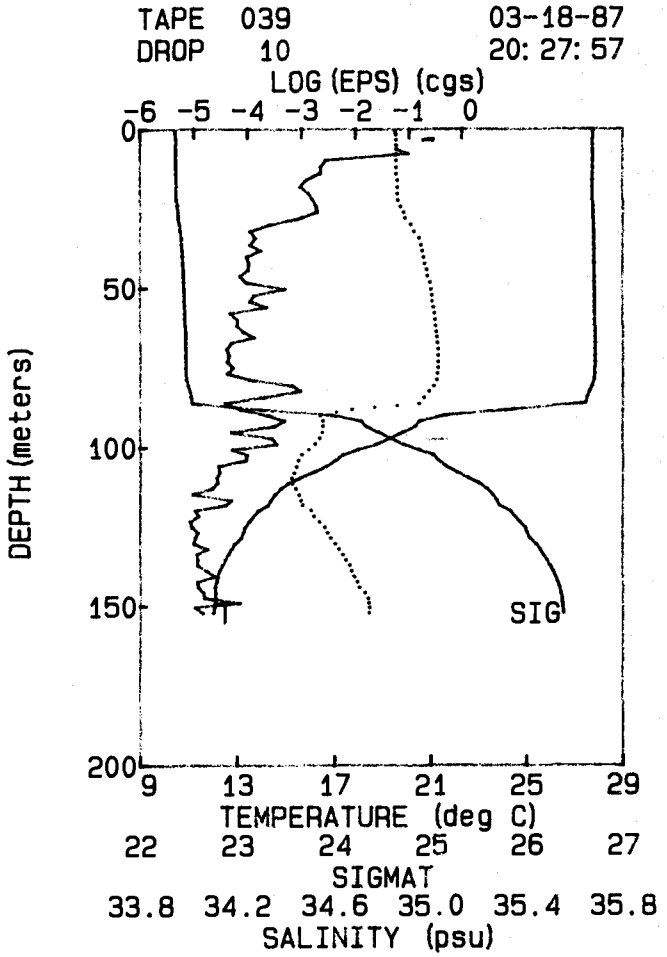
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
T
SIG
DEPTH (meters)
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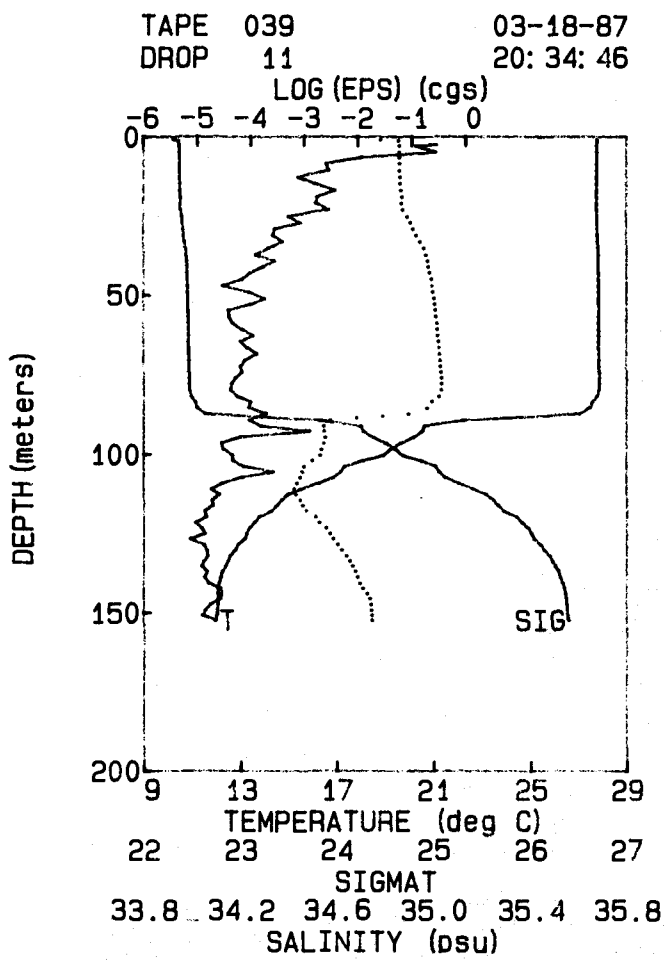
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
T
SIG
DEPTH (meters)
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TEMPERATURE (deg C)
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SIGMAT
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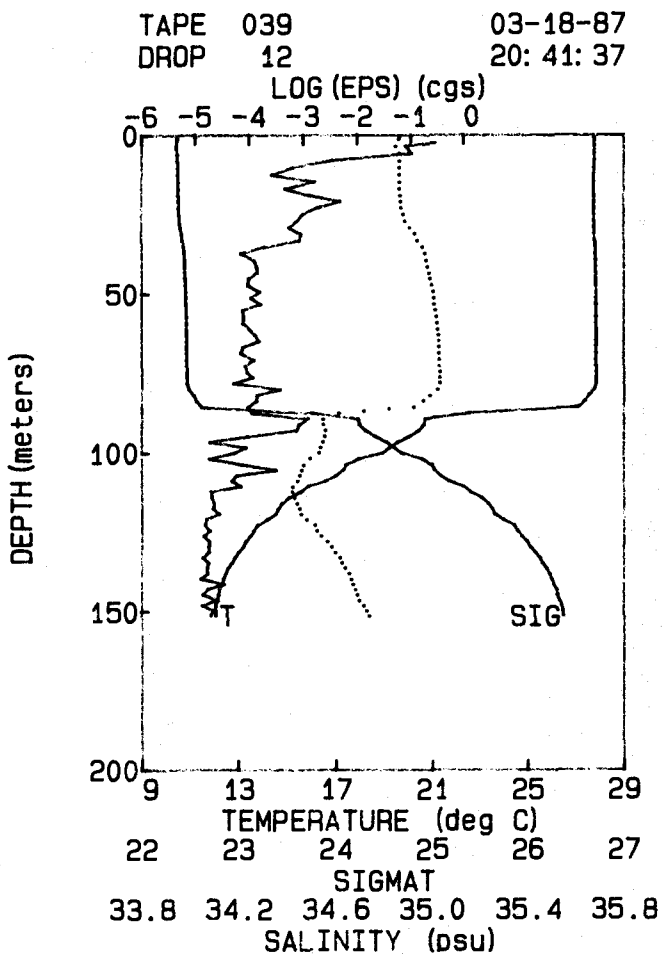
SALINITY (psu)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100
150
200
T
SIG
DEPTH (meters)
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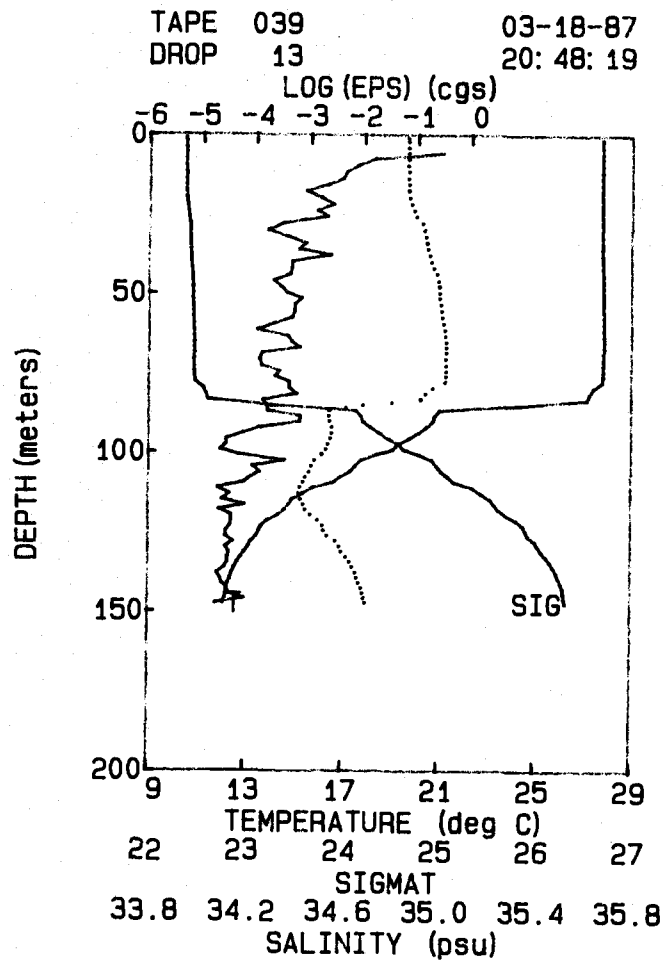
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-18-87
20: 48: 19
LOG (EPS) (cgs)
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DEPTH (meters)
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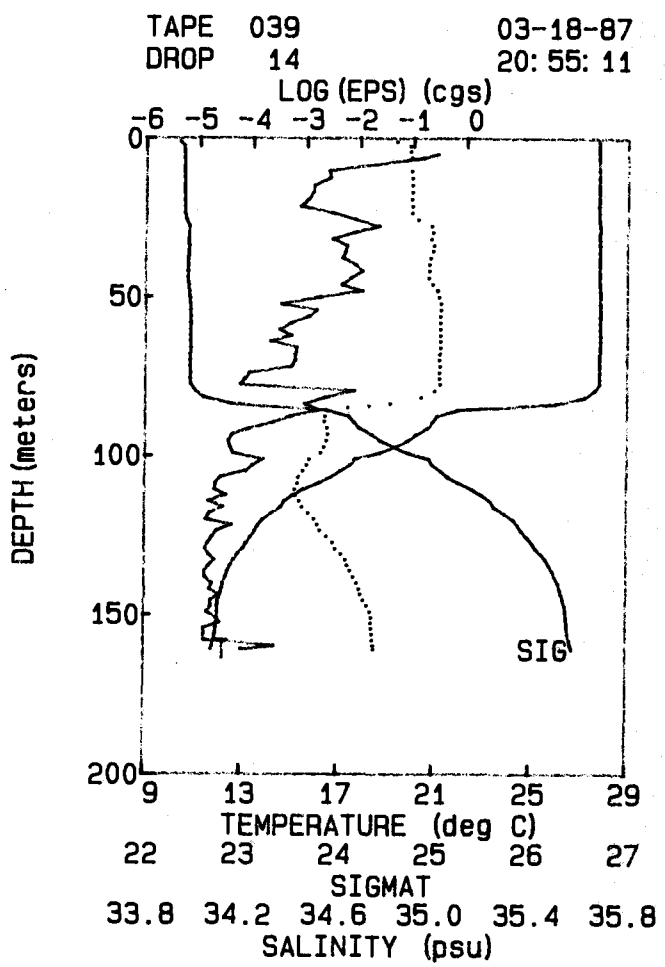
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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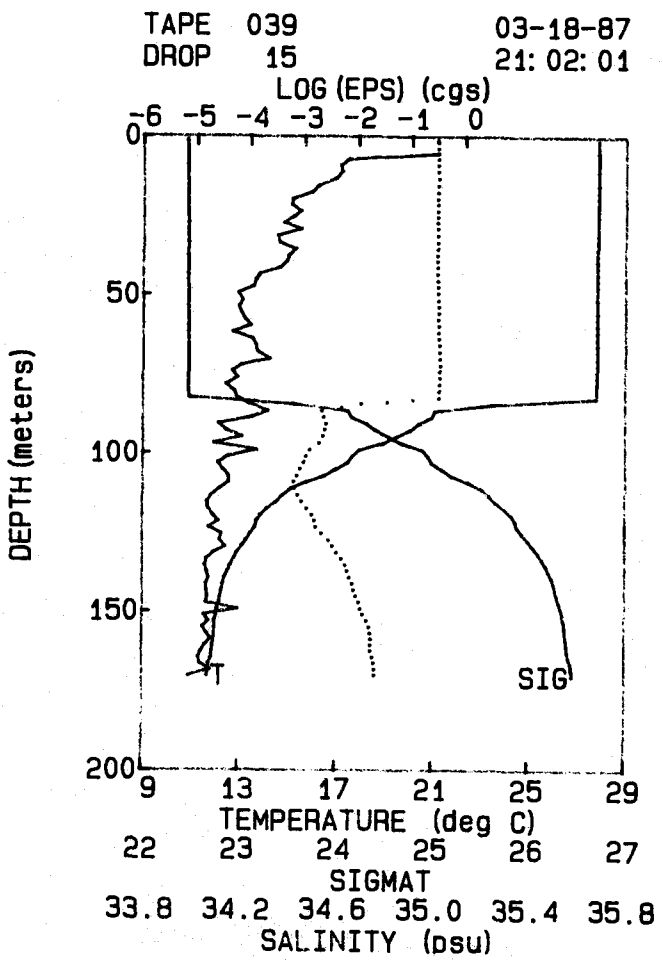
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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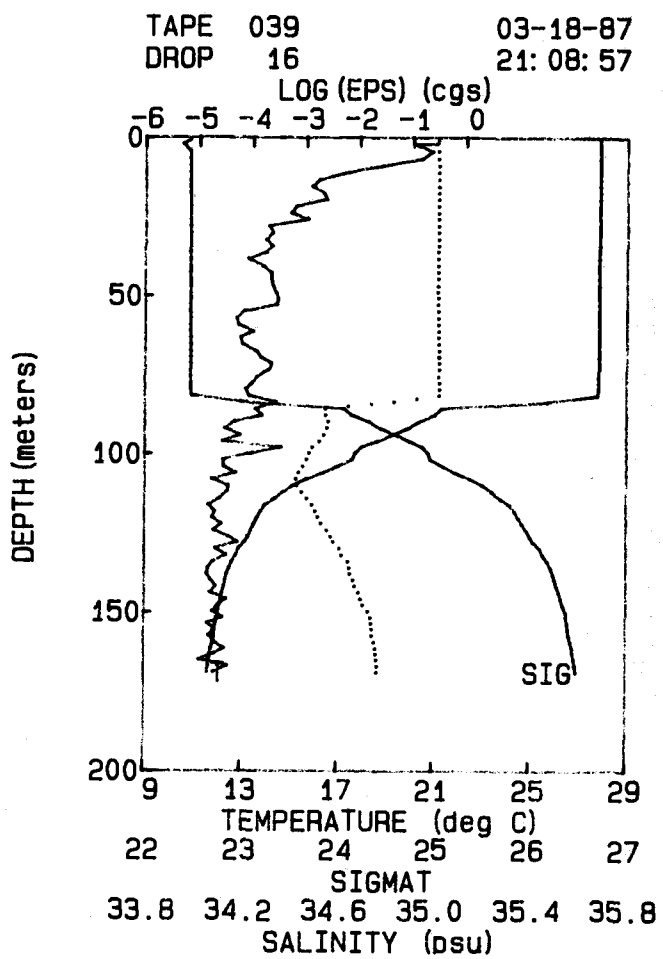
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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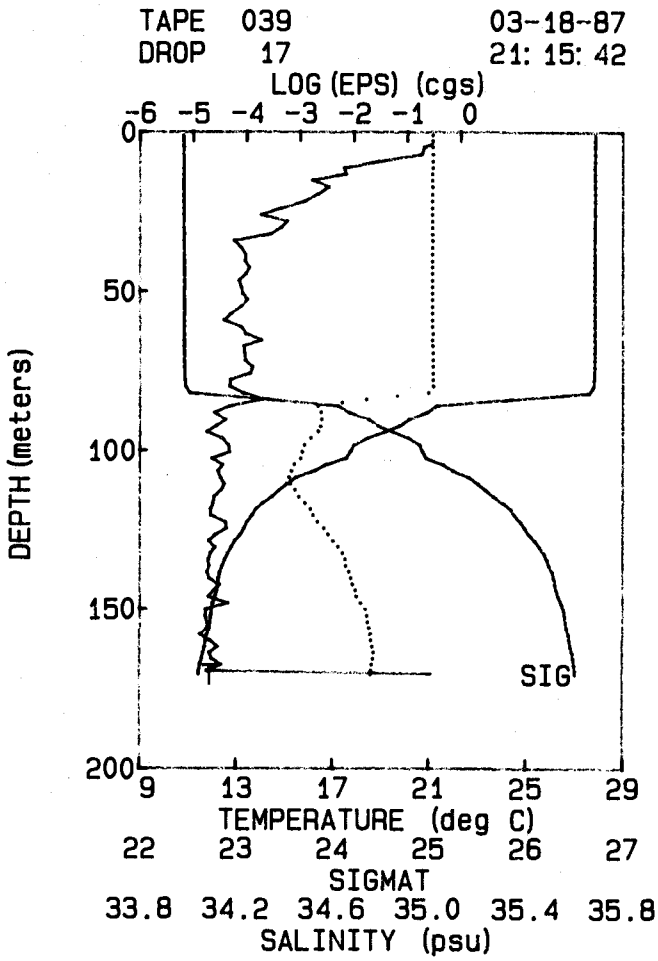
DROP 16
03-18-87
21: 08: 57
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-18-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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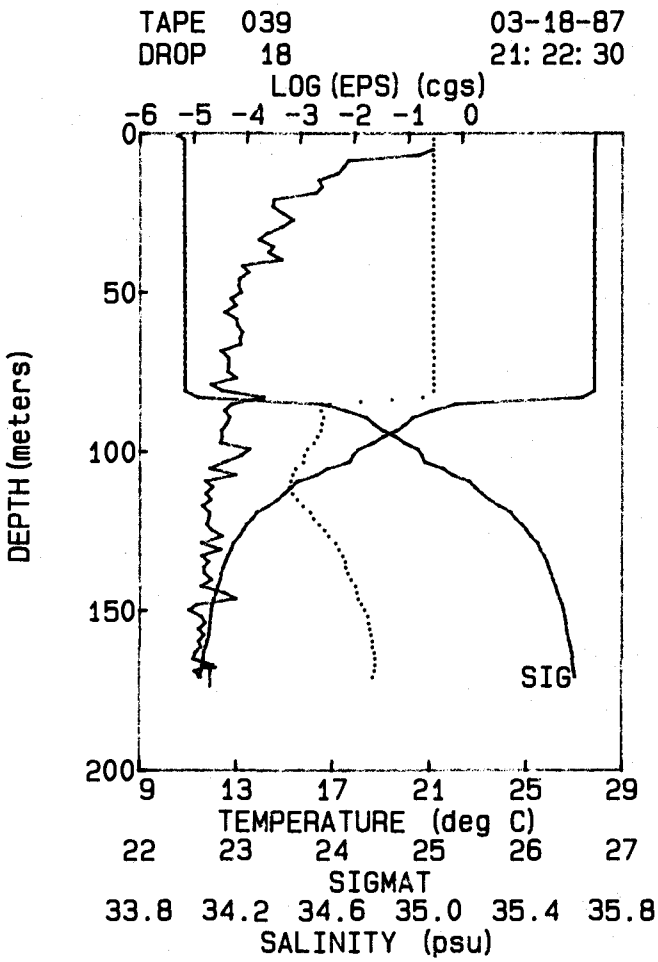
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 18
03-18-87
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LOG (EPS) (cgs)
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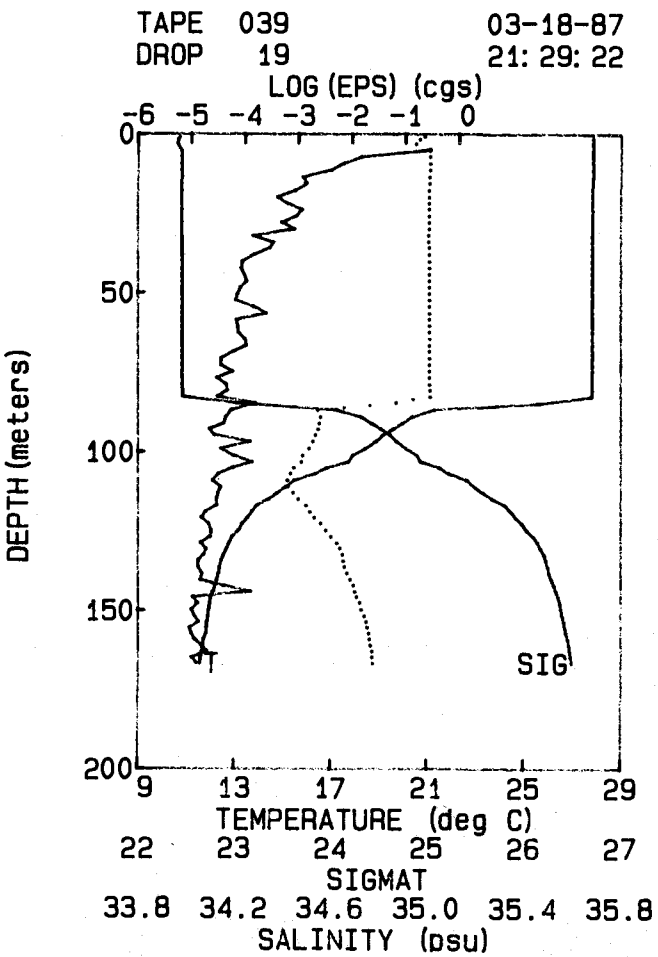
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 19
03-18-87
21: 29: 22
LOG (EPS) (cgs)
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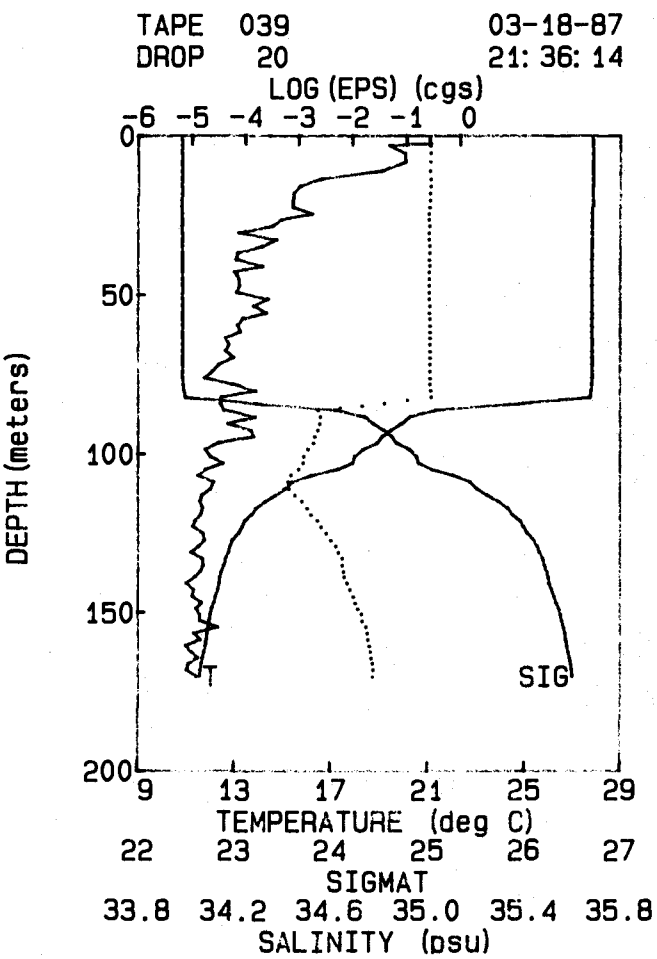
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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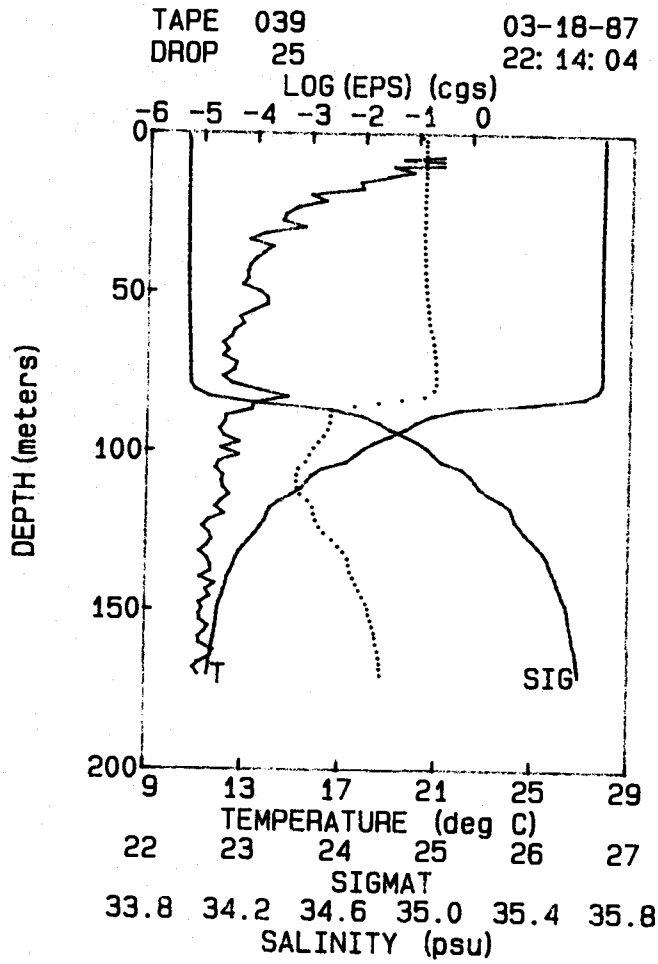
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 25
03-18-87
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LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
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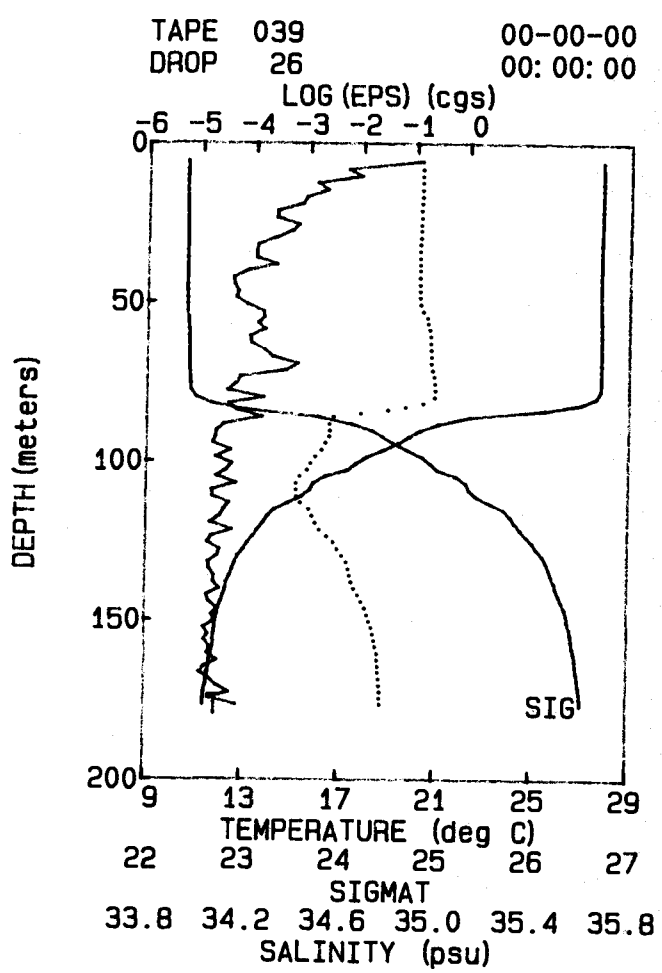
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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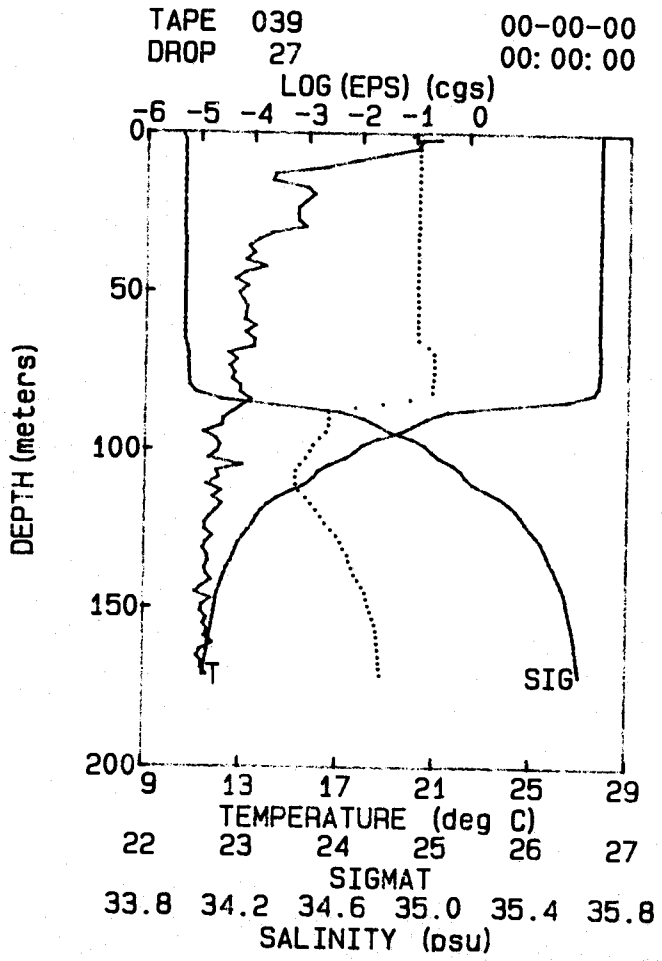
00: 00: 00
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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00: 00: 00
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DEPTH (meters)
0
50
100
150
200
T
SIG
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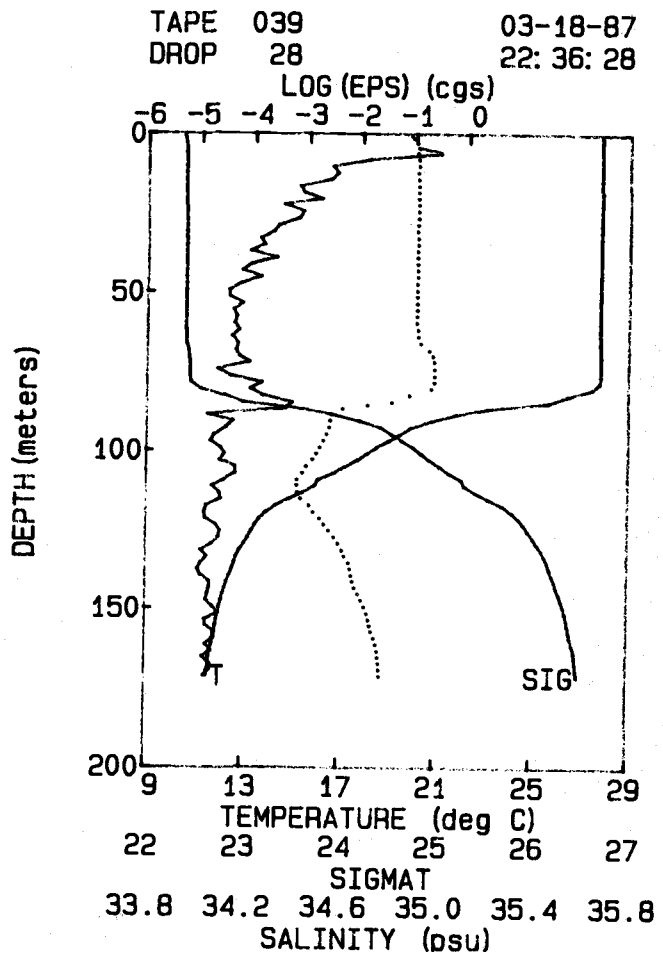
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-18-87
22: 36: 28
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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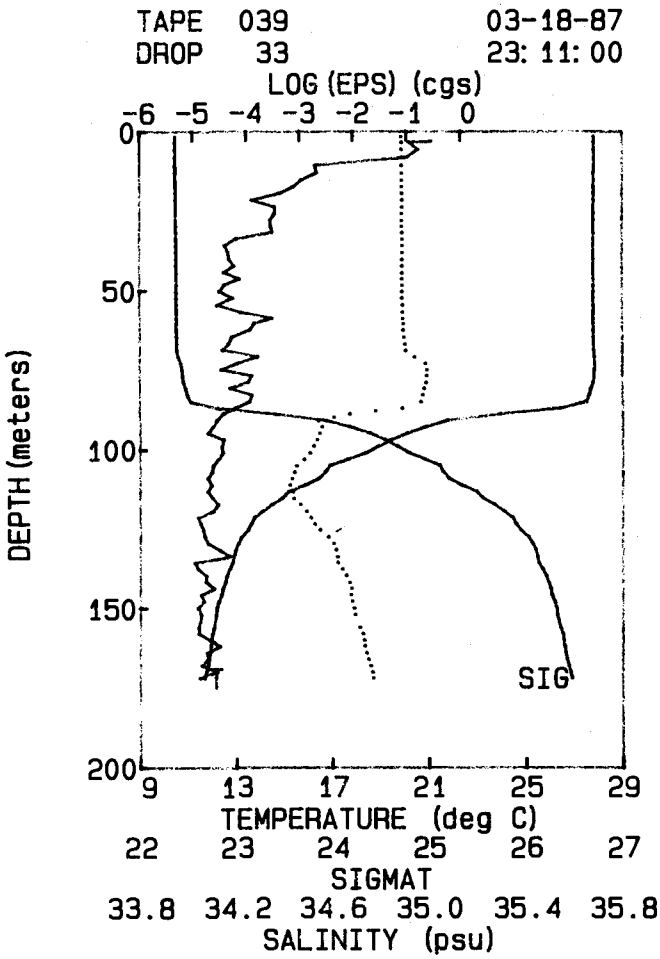
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 33
03-18-87
23: 11: 00
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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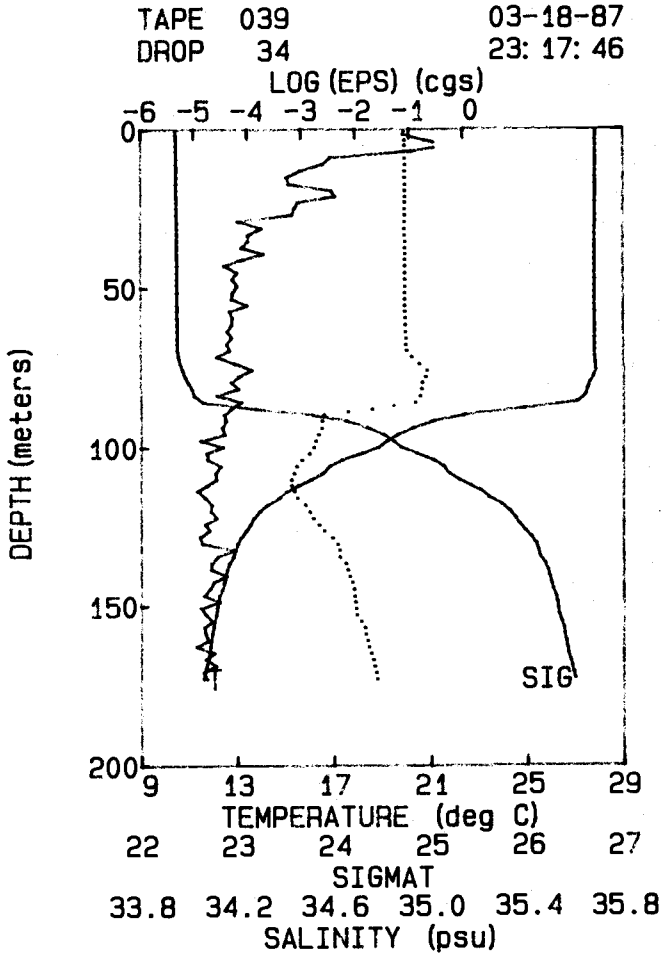
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIG
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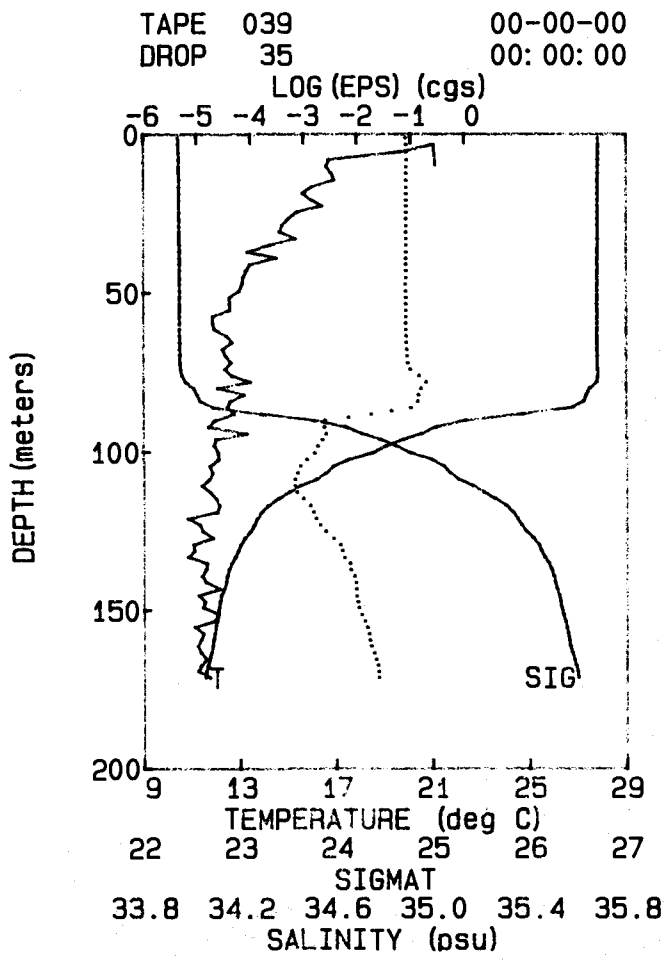
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 35
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00: 00: 00
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
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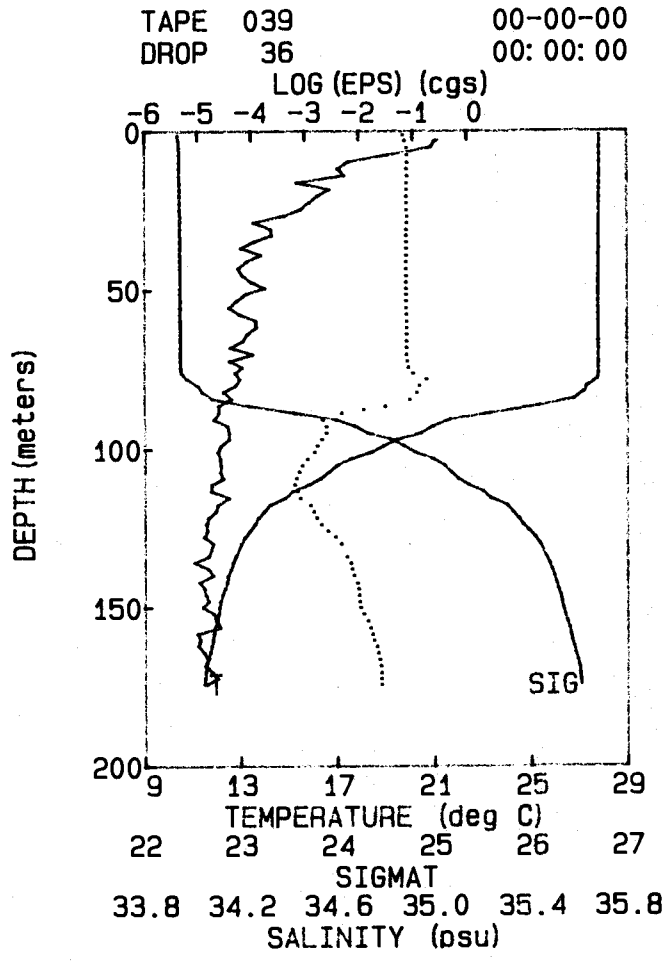
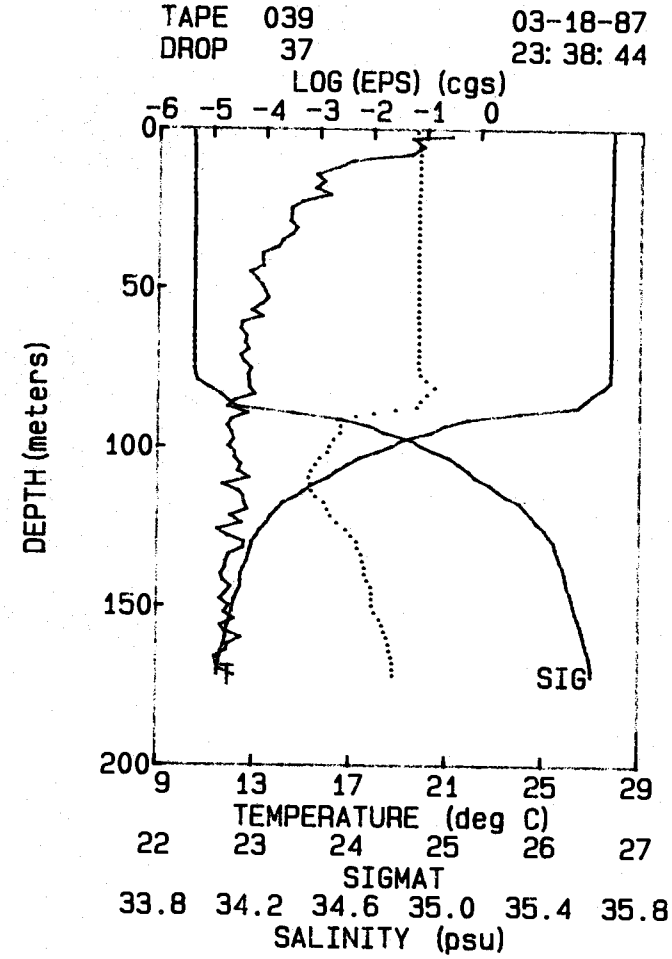
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 039
DROP 36
00-00-00
00: 00: 00
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 039
DROP 37
03-18-87
23: 38: 44
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
0
50
100
150
200
DEPTH (meters)
SIG
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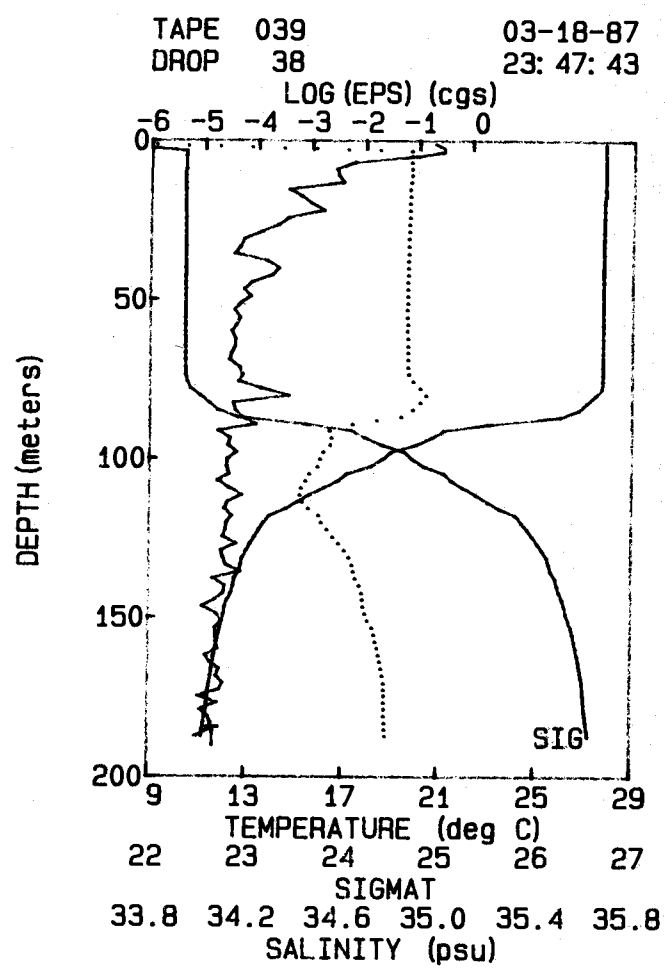
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-18-87
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0
50
100
150
200
DEPTH (meters)
SIG
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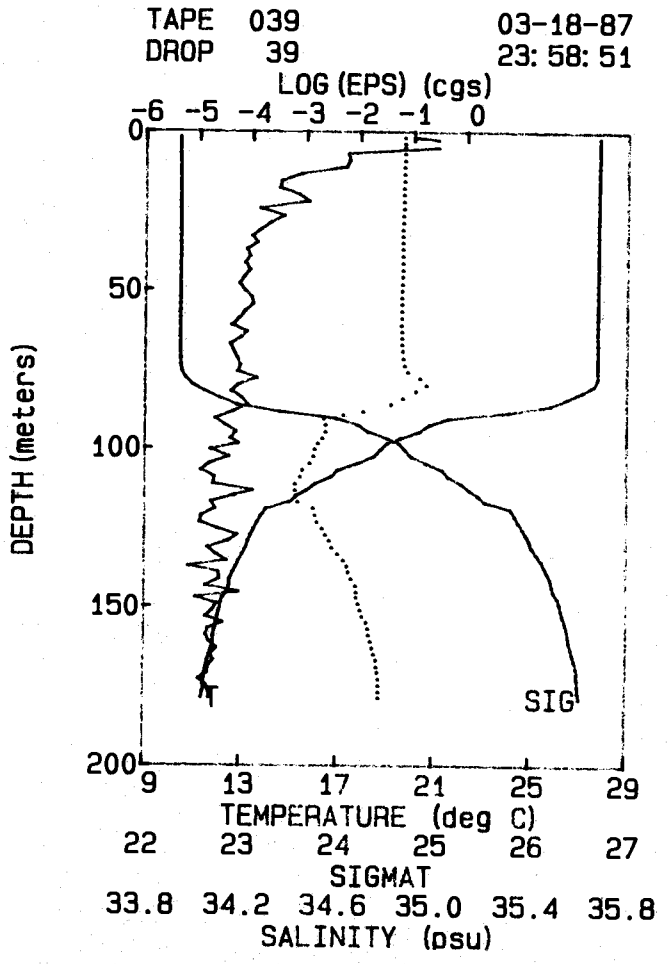
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 39
03-18-87
23: 58: 51
LOG (EPS) (cgs)
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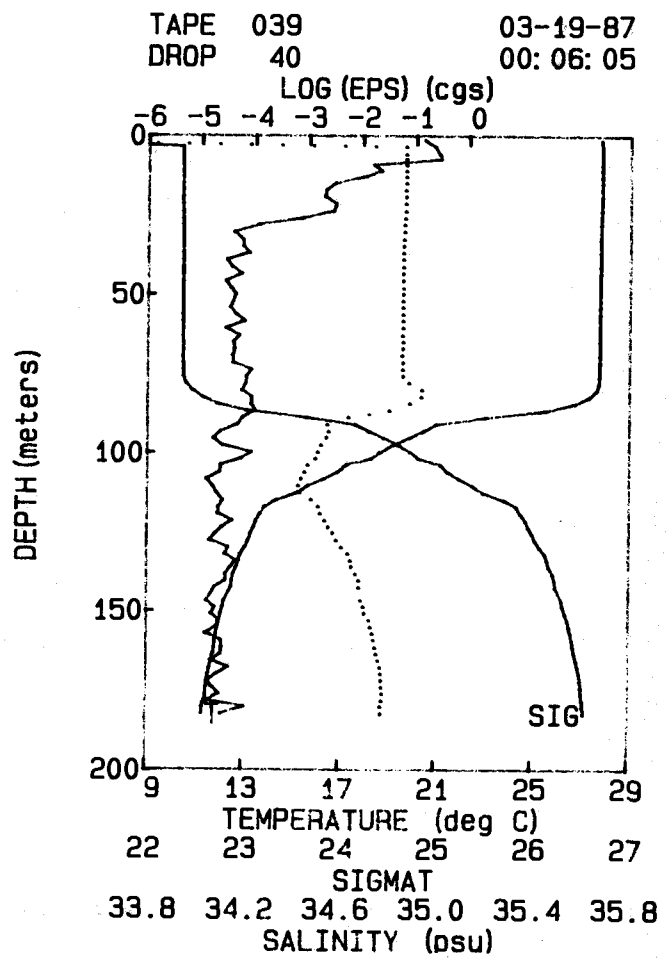
0
50
100
150
200
DEPTH (meters)
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 039
DROP 40
03-19-87
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LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
0
50
100
150
200
DEPTH (meters)
SIG
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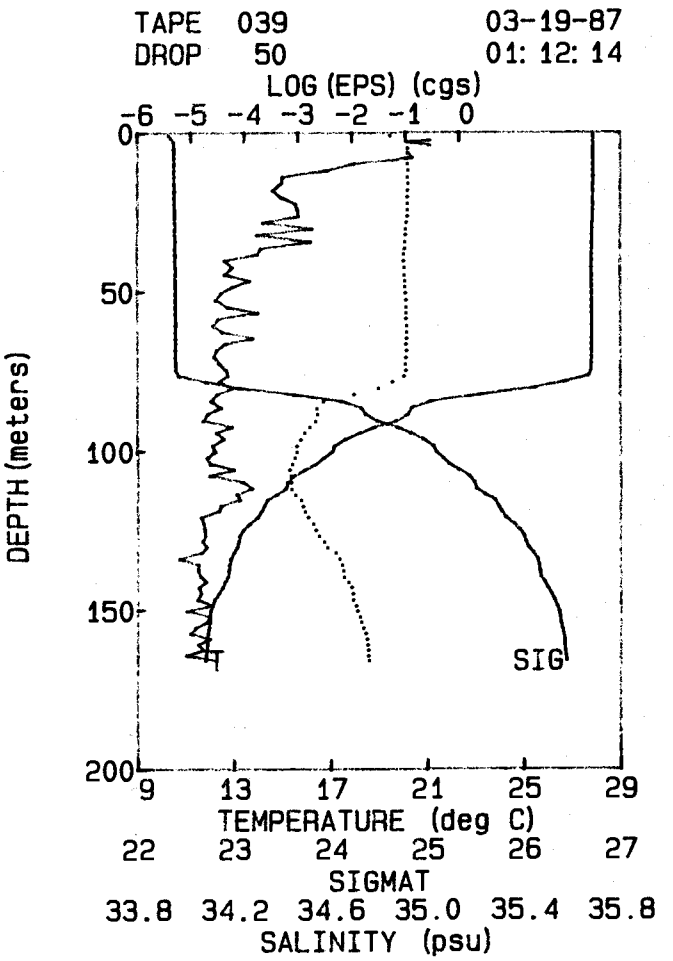
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 50
03-19-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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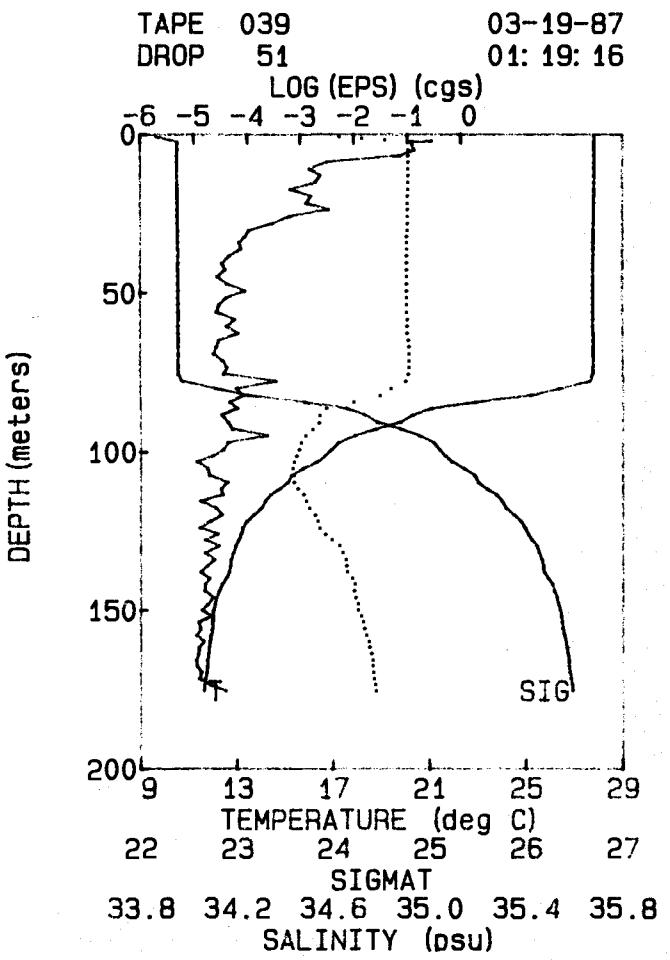
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 51
03-19-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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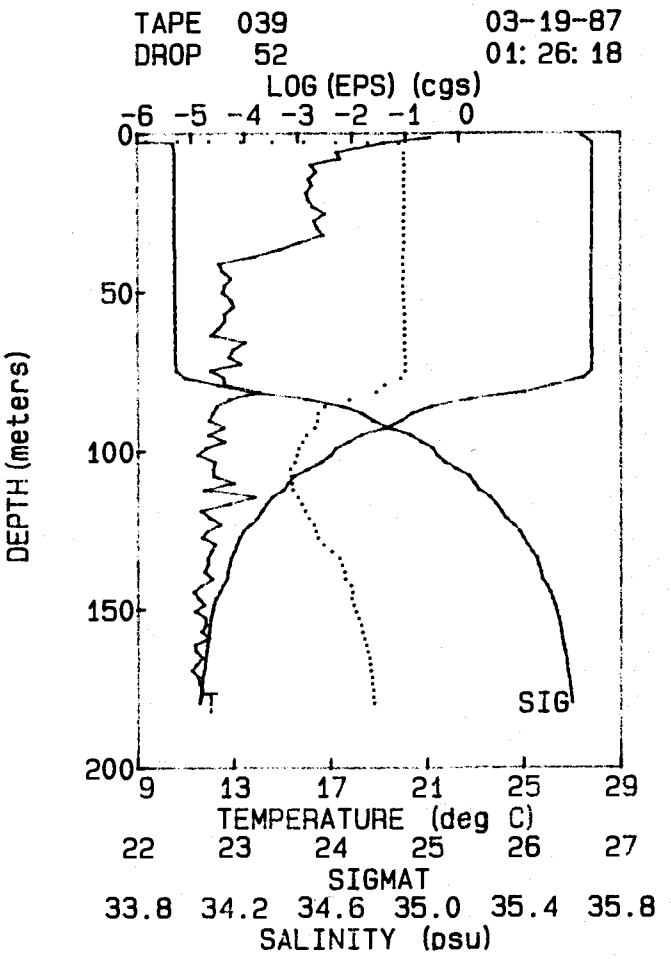
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
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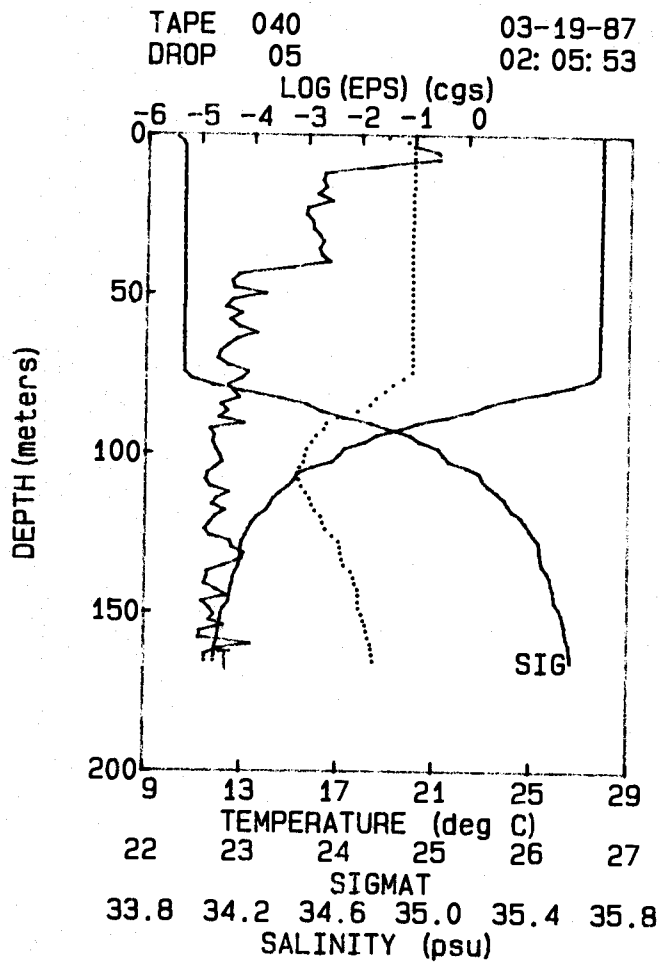
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-19-87
02: 05: 53
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0
50
100
150
200
SIG
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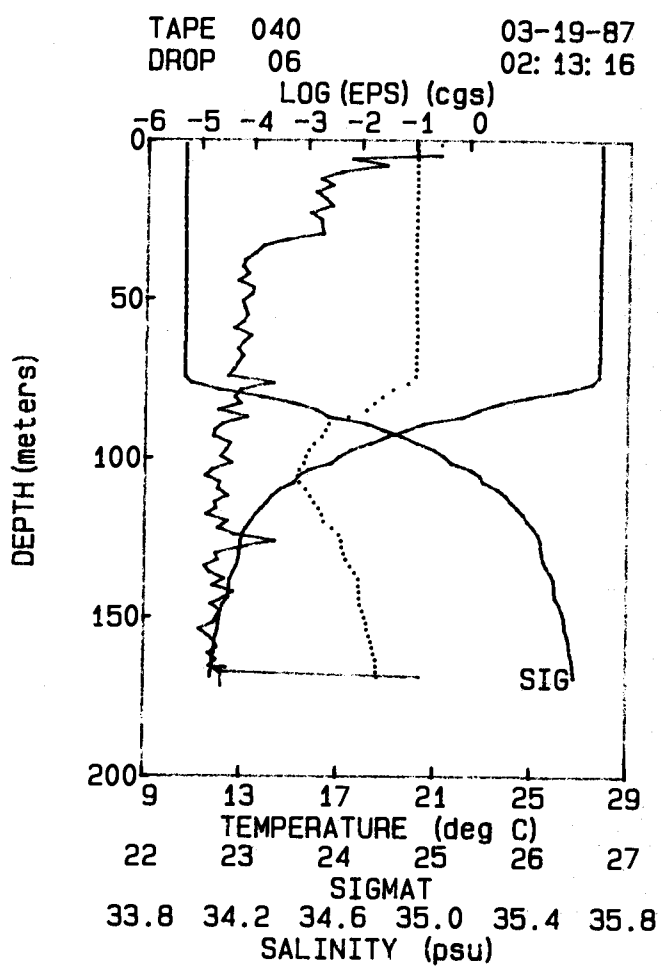
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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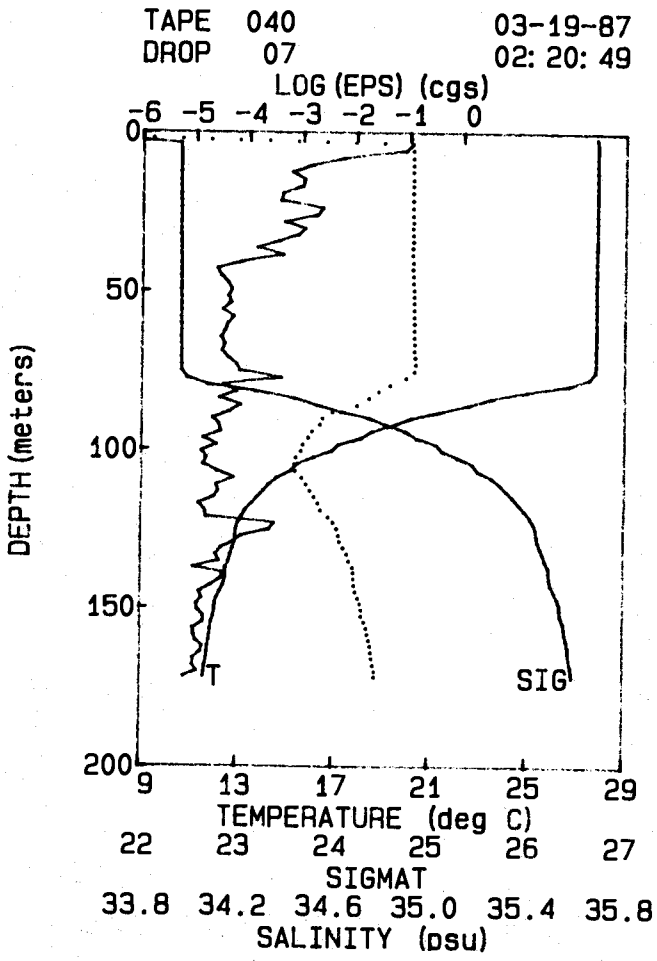
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-19-87
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DEPTH (meters)
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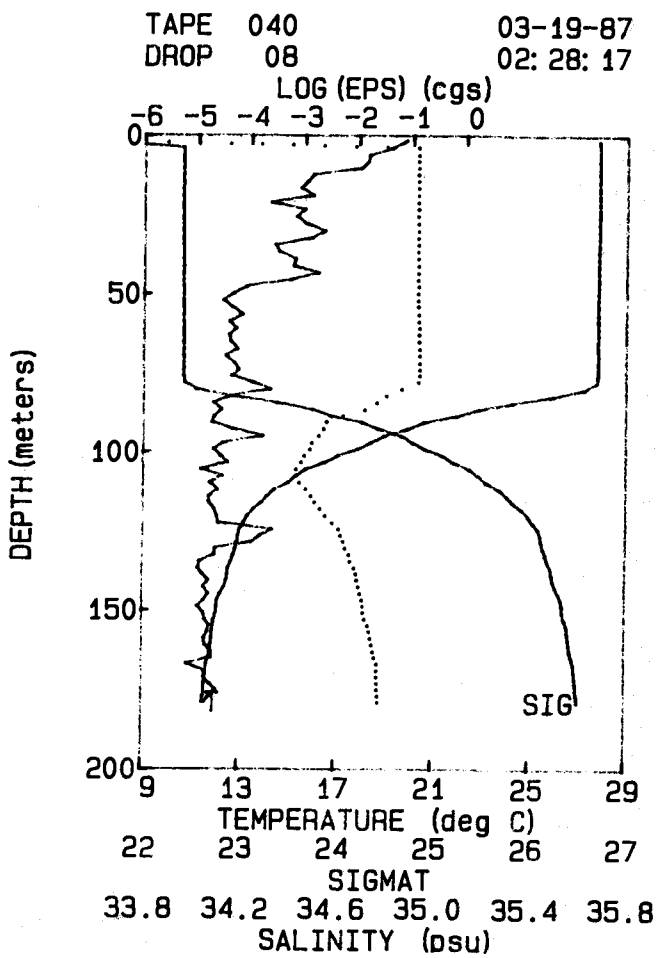
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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02: 28: 17
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DEPTH (meters)
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100
150
200
SIG
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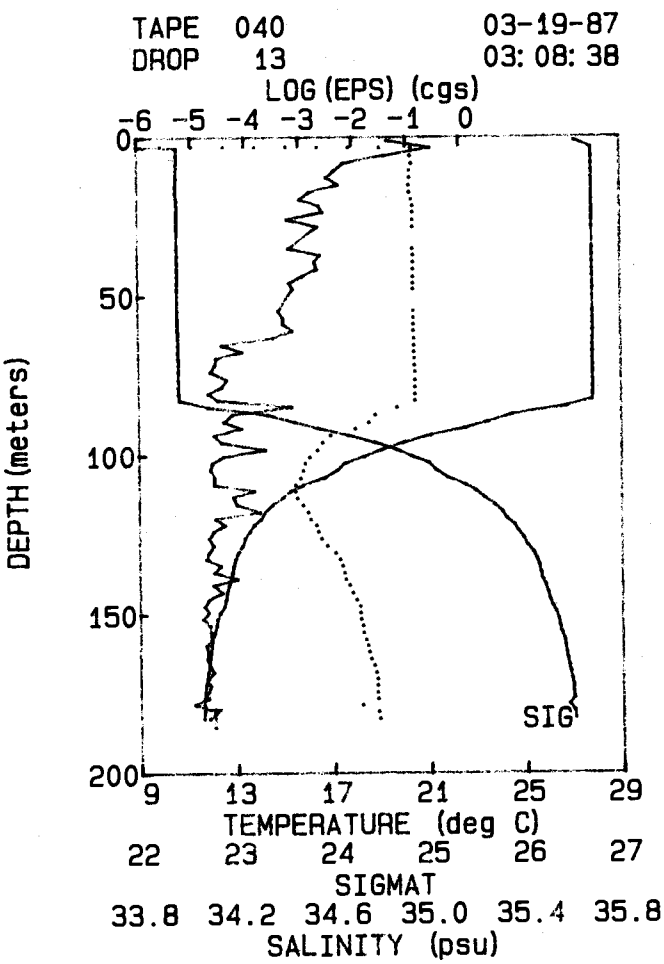
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-19-87
03: 08: 38
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DEPTH (meters)
0
50
100
150
200
SIG
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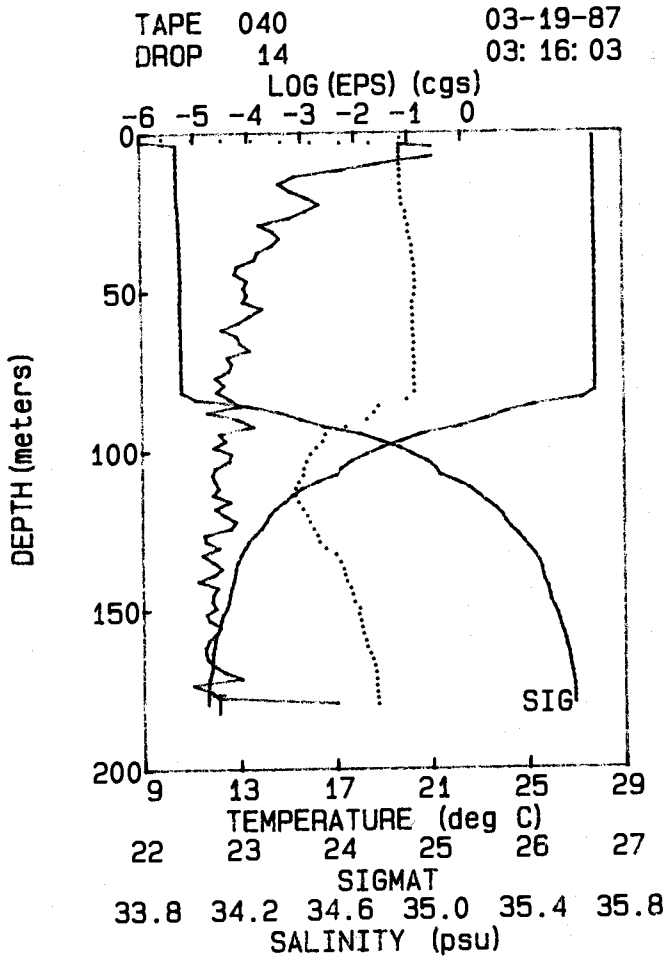
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
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100
150
200
SIG
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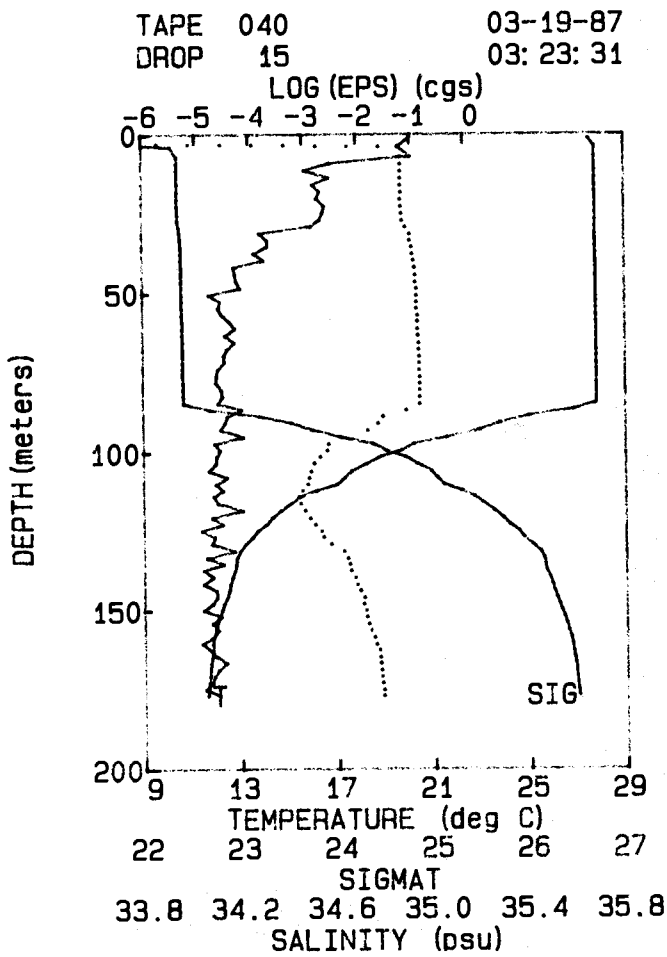
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-19-87
03: 23: 31
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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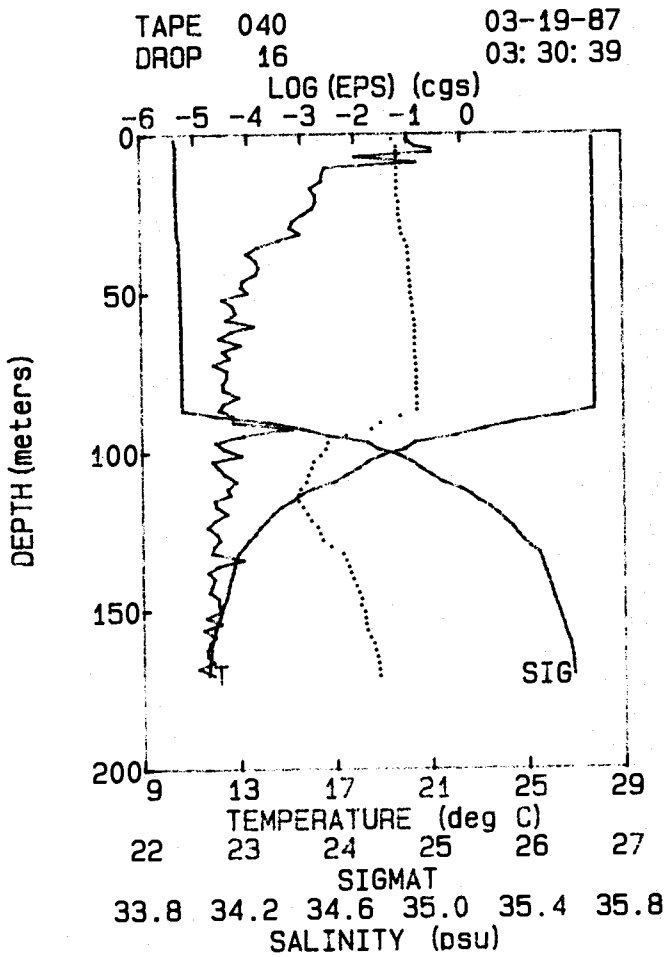
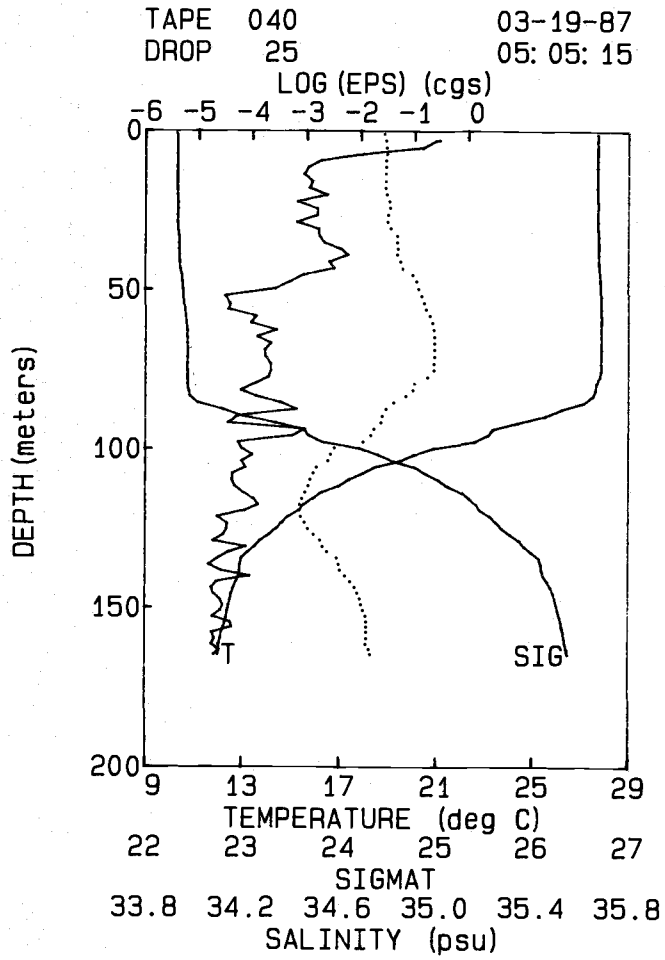
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 040
DROP 16
03-19-87
03: 30: 39
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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05: 05: 15
LOG (EPS) (cgs)
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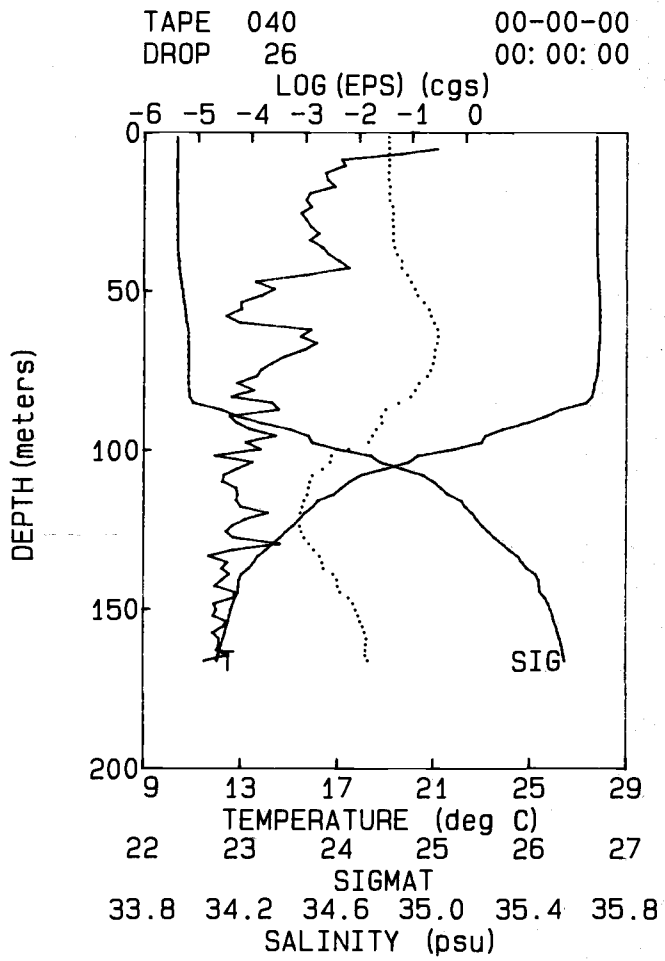
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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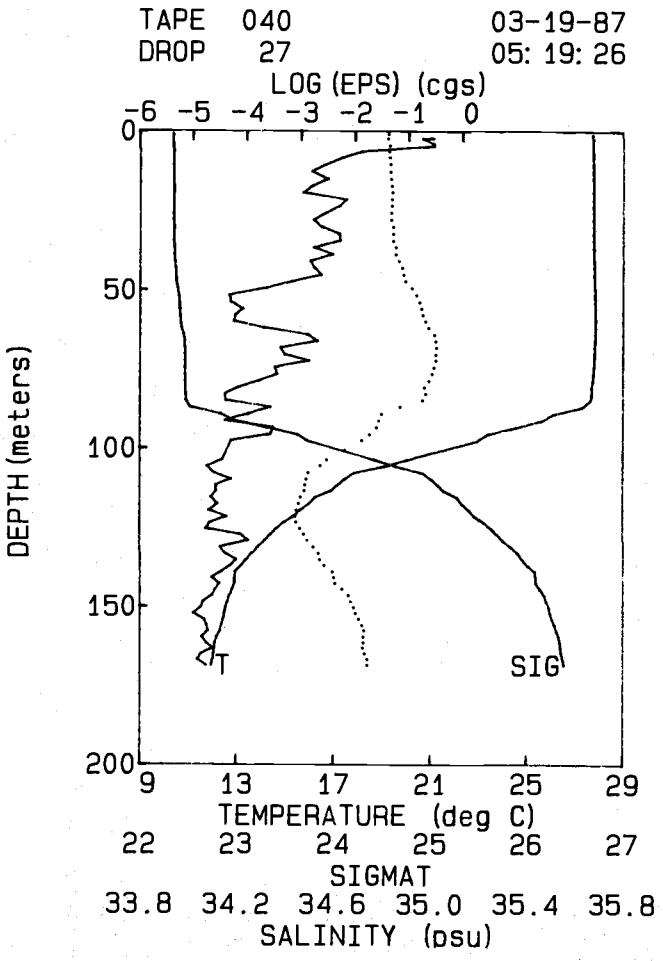
DROP 26
00-00-00
00: 00: 00
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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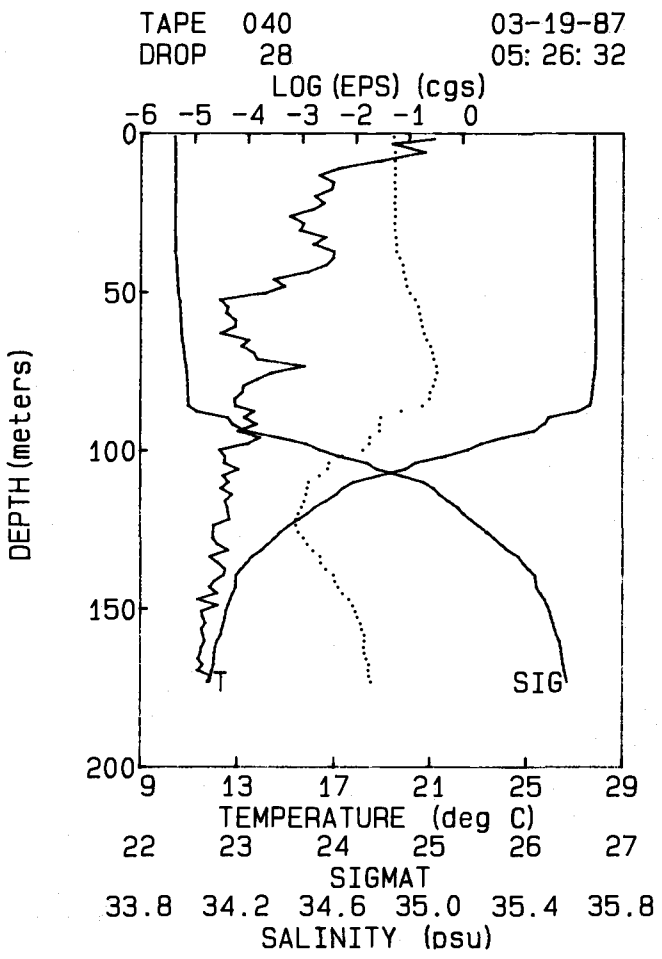
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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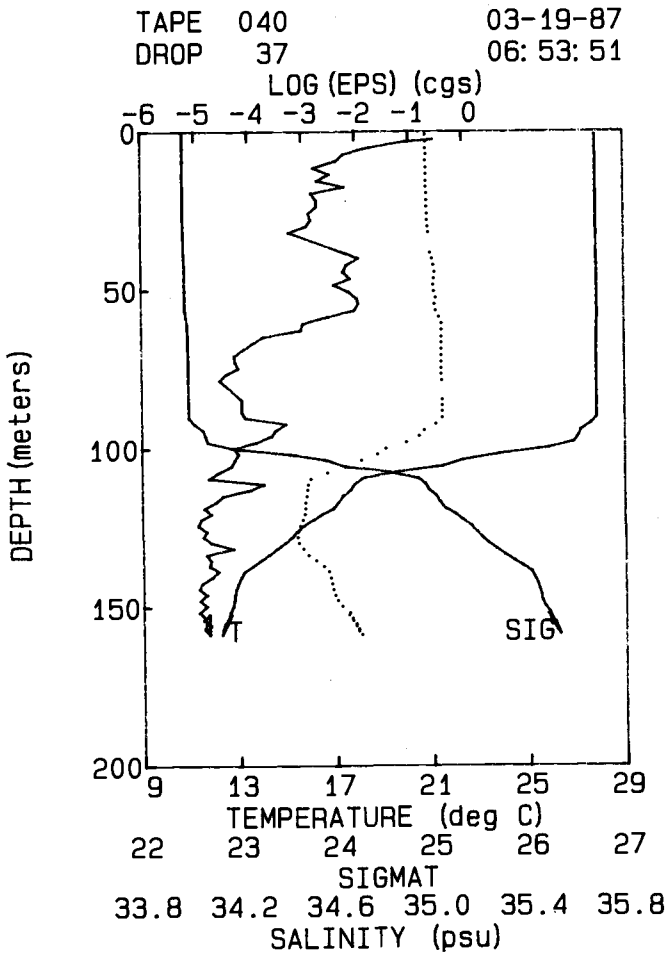
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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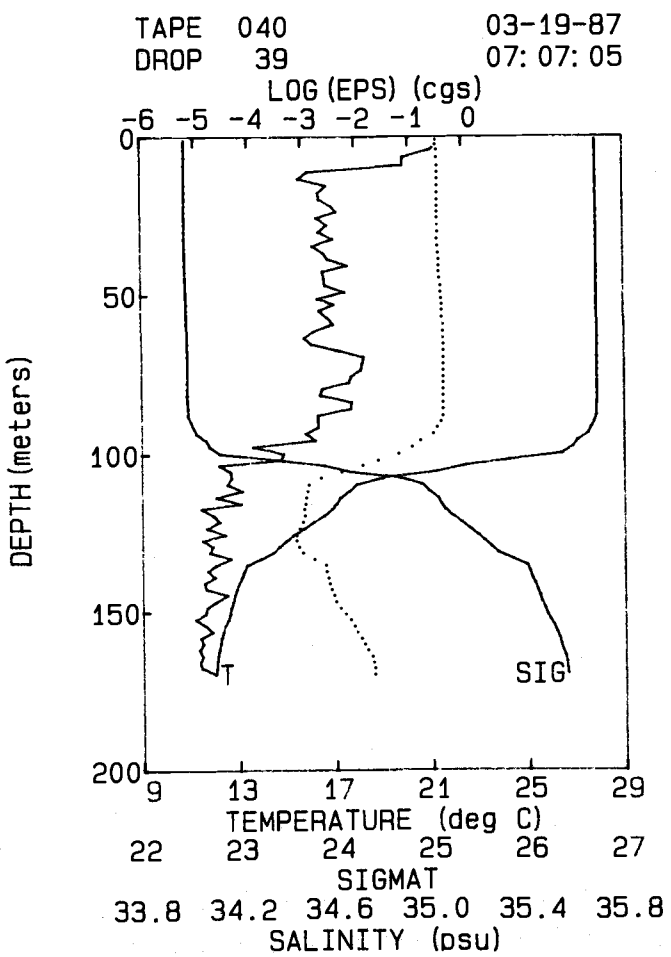
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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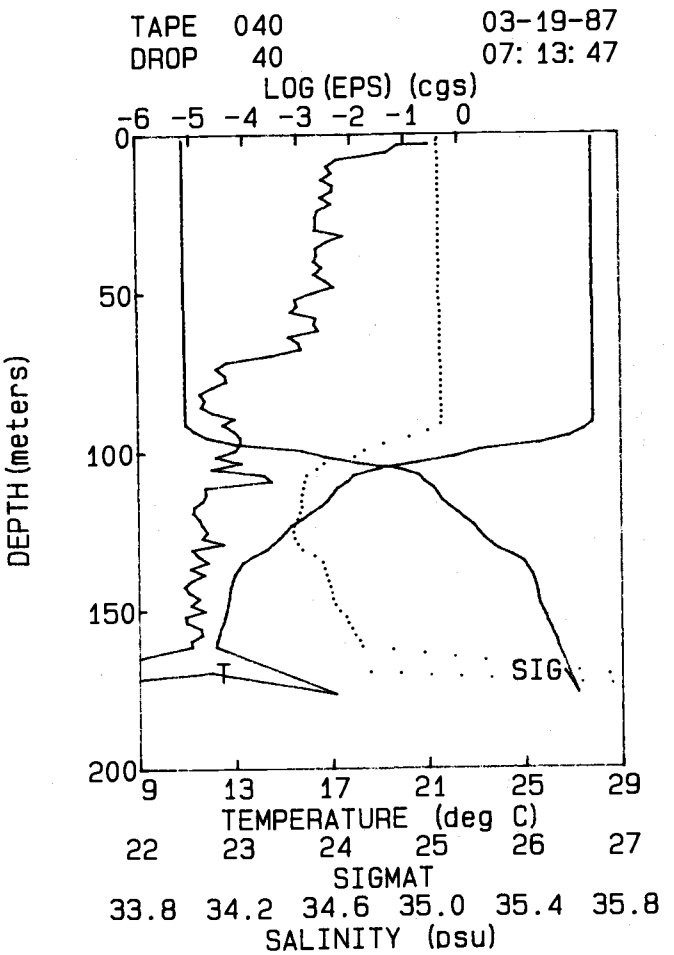
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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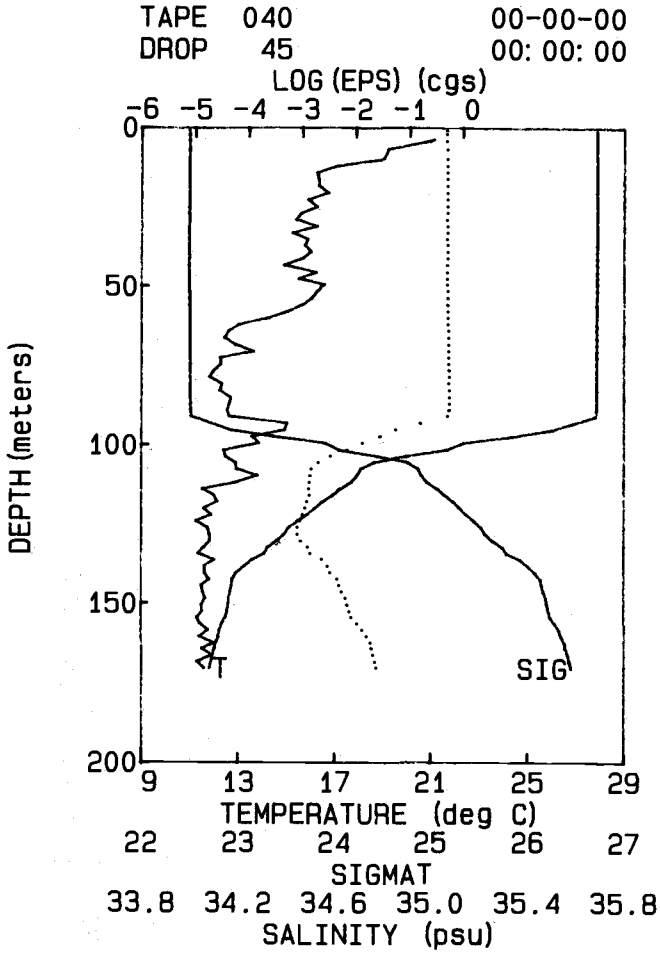
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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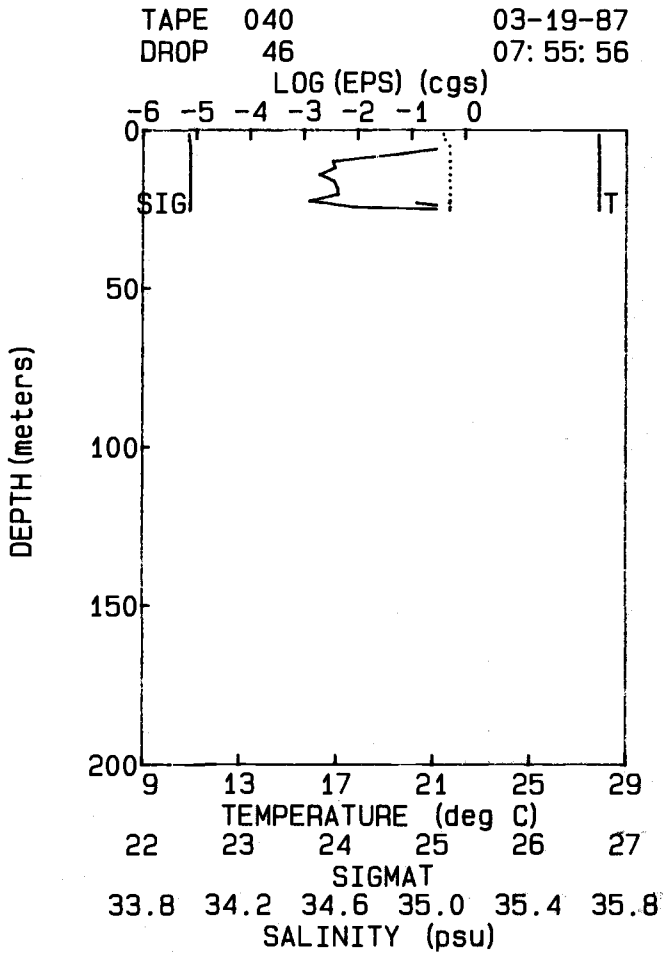
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
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100
150
200
SIG
T
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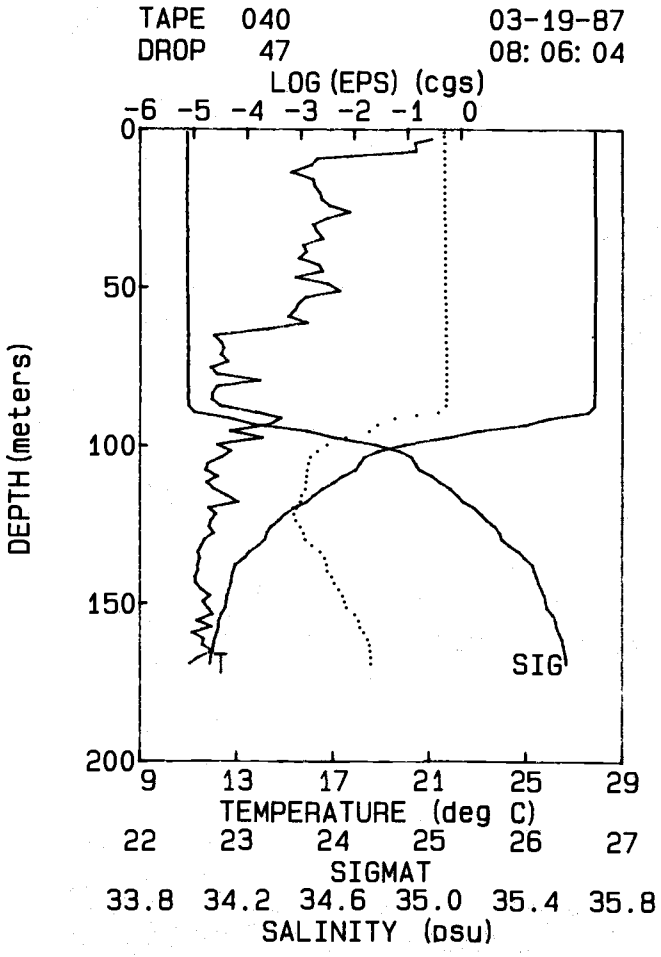
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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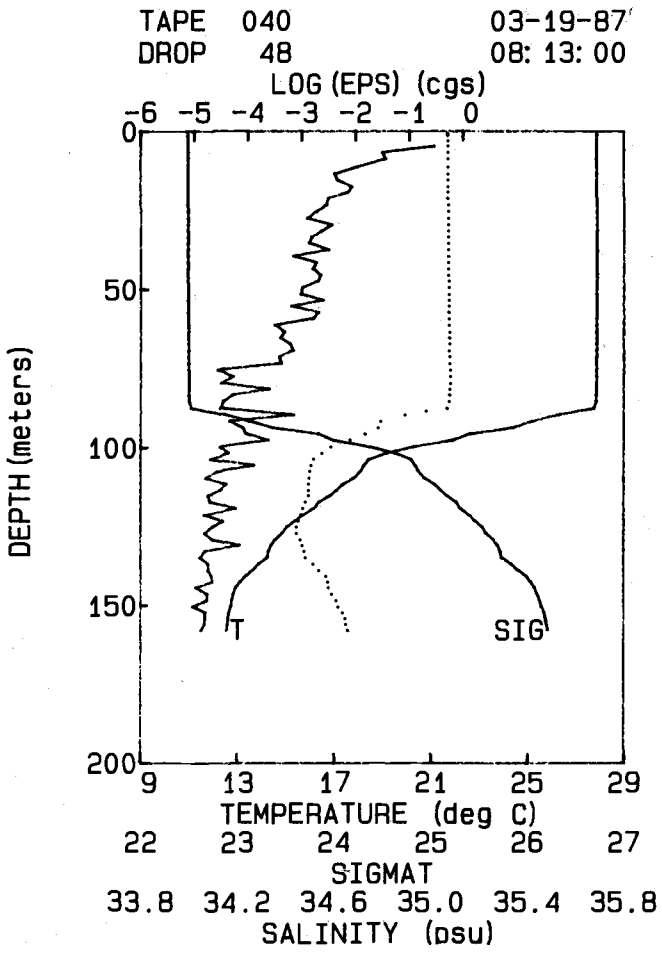
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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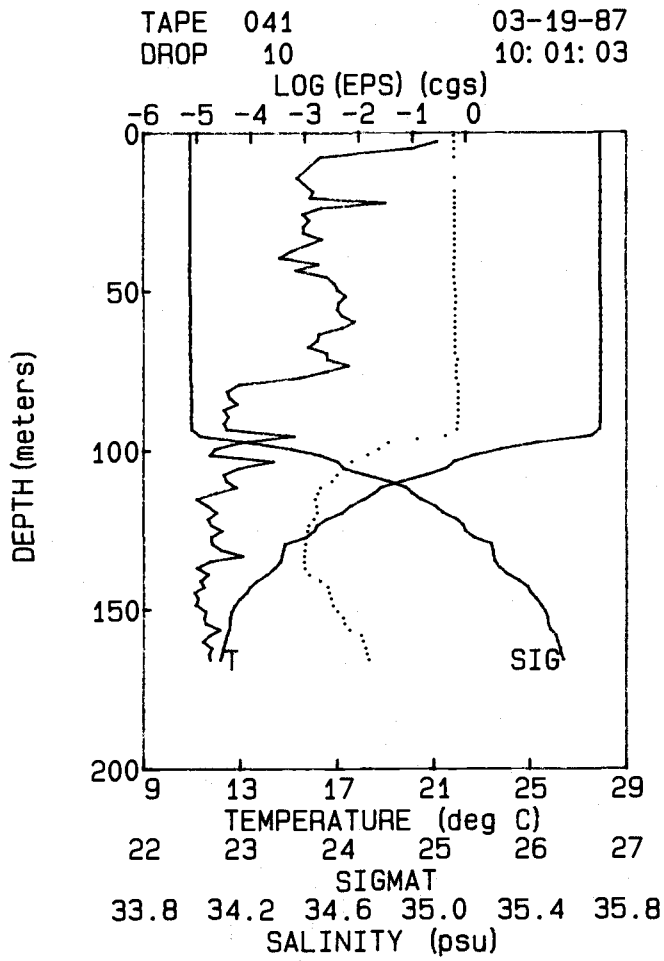
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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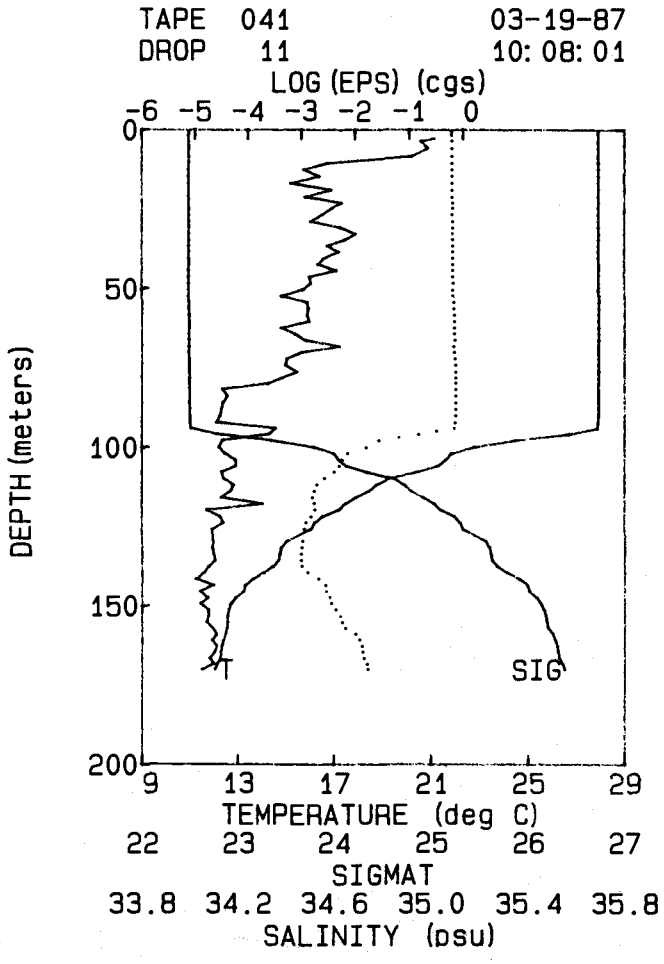
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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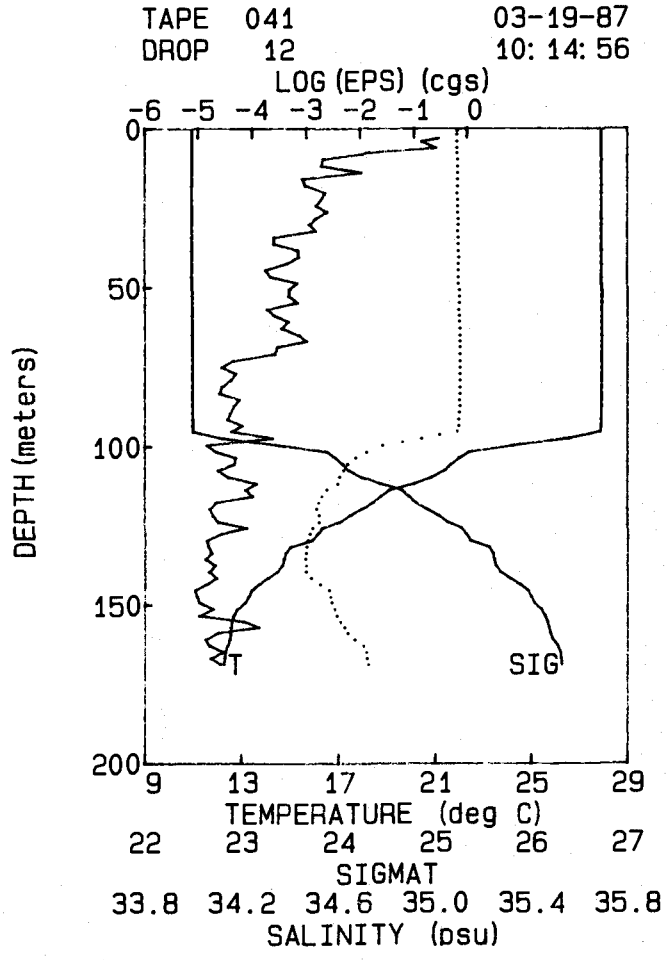
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
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100
150
200
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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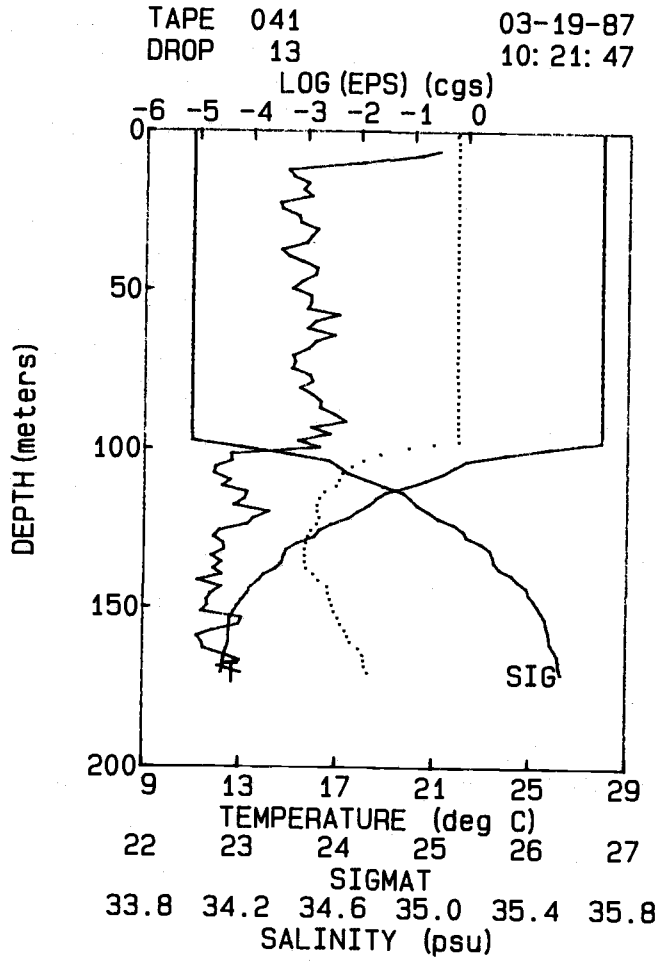
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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TEMPERATURE (deg C)
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SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
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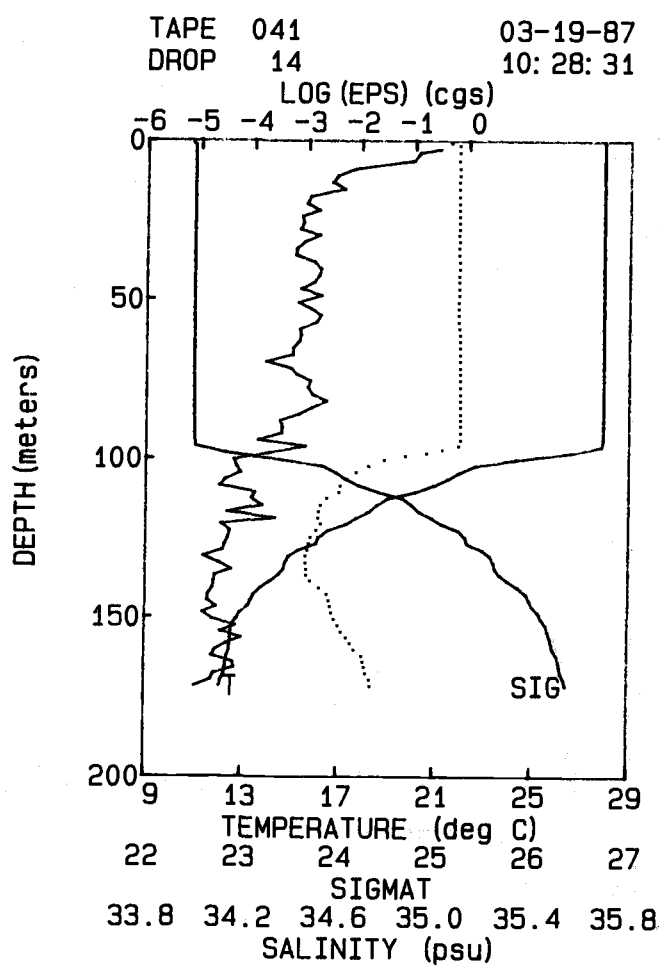
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DEPTH (meters)
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50
100
150
200
SIG
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TEMPERATURE (deg C)
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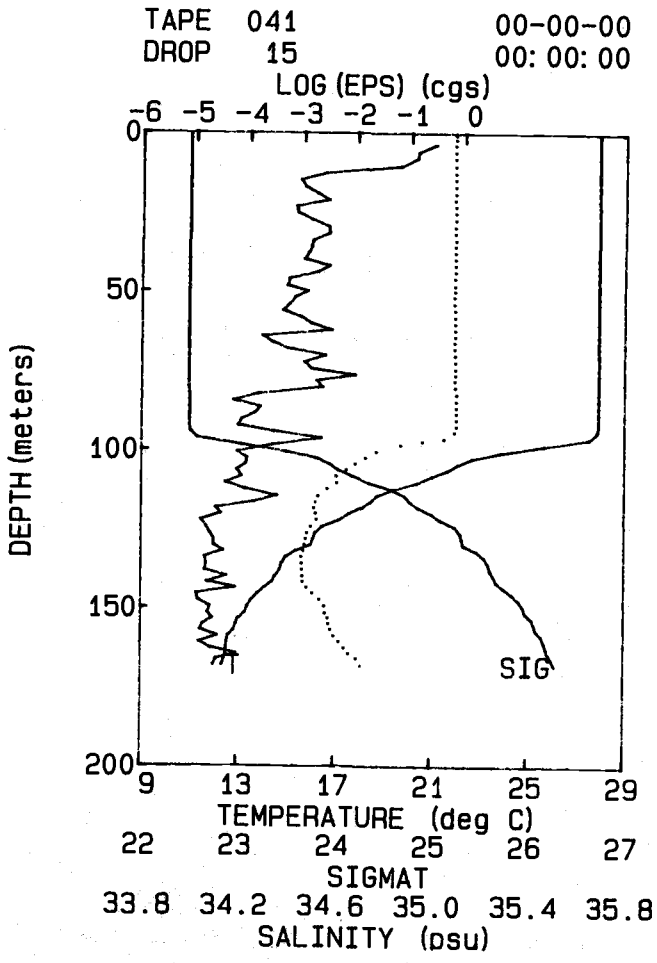
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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50
100
150
200
SIG
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TEMPERATURE (deg C)
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SIGMAT
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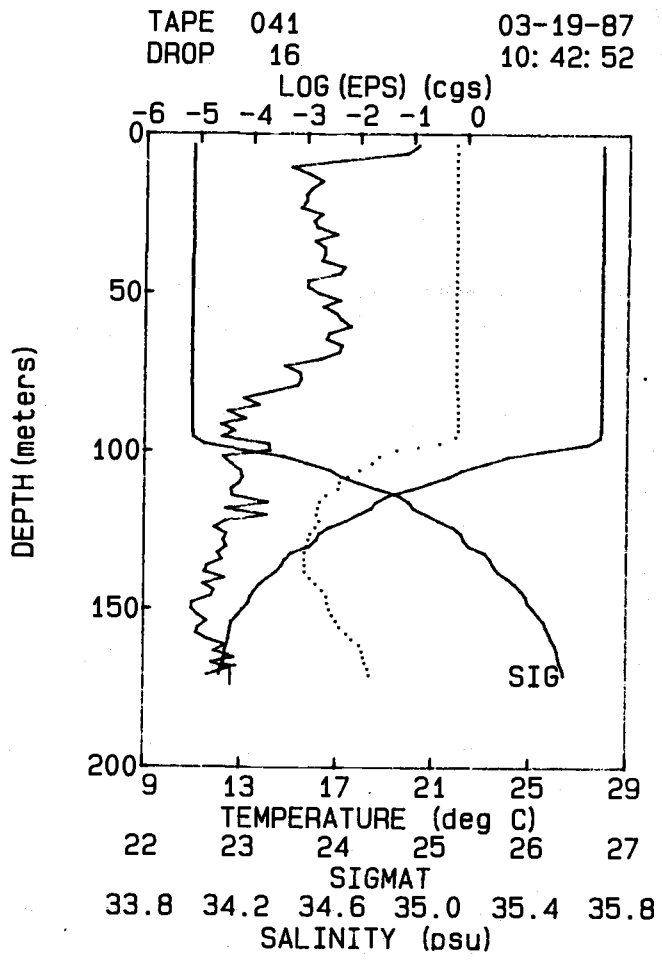
SALINITY (psu)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100
150
200
SIG
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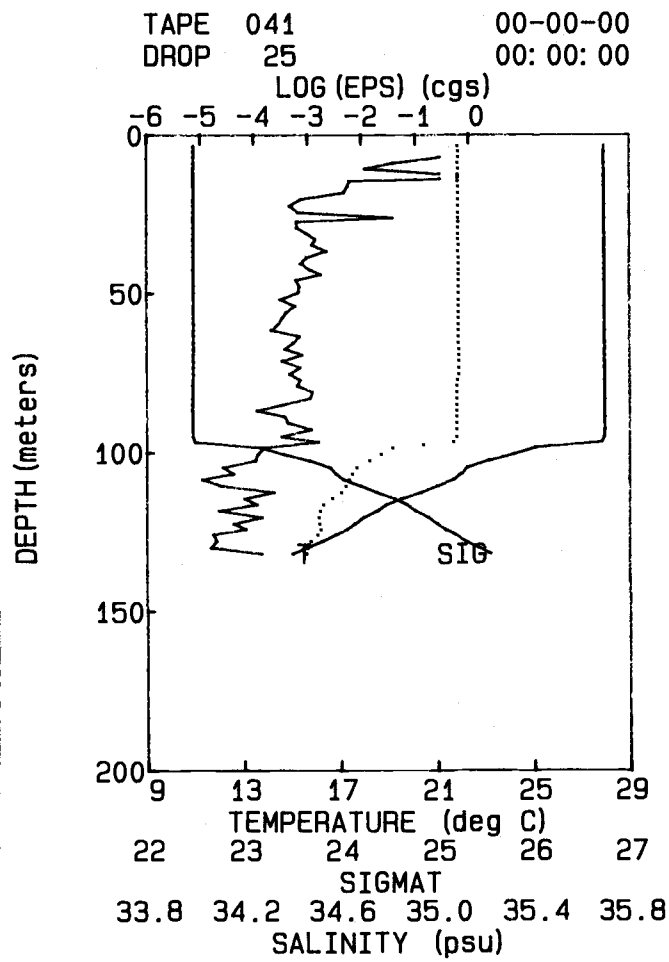
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
T
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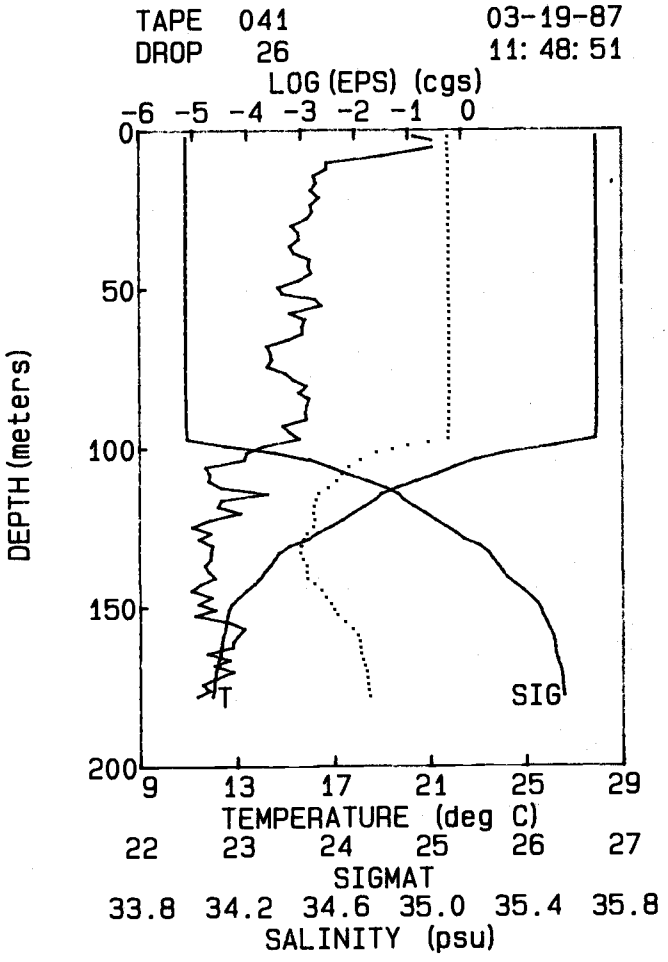
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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11: 48: 51
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
T
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TEMPERATURE (deg C)
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SIGMAT
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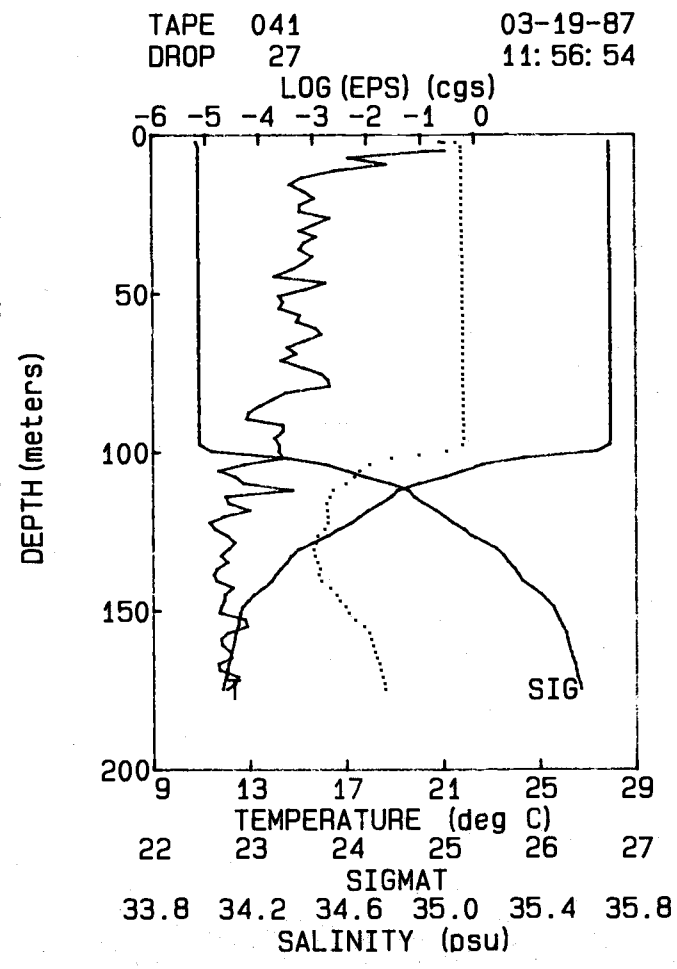
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
T
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SIGMAT
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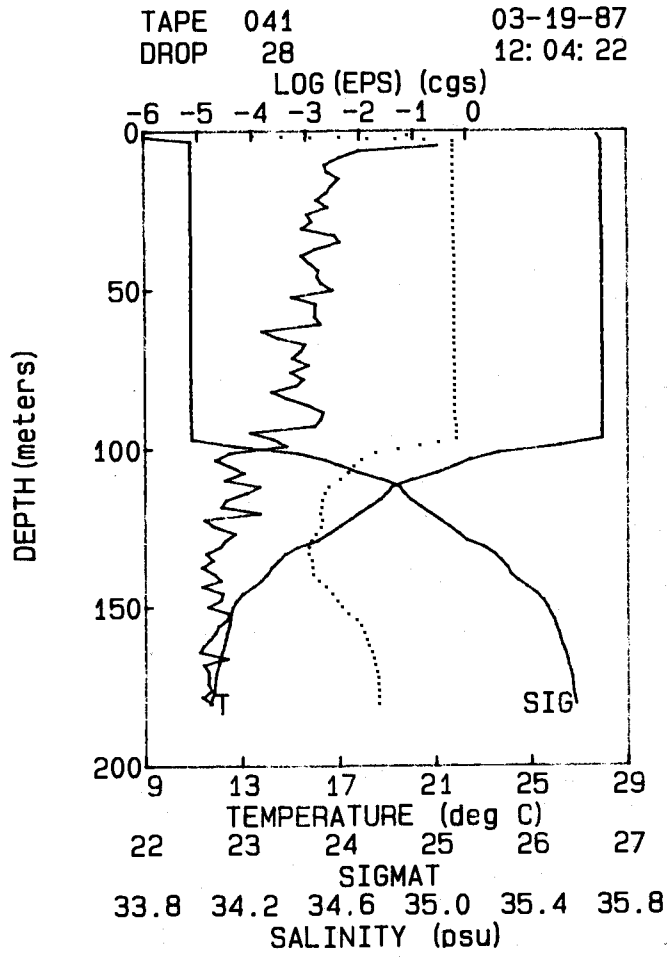
SALINITY (psu)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100
150
200
SIG
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SIGMAT
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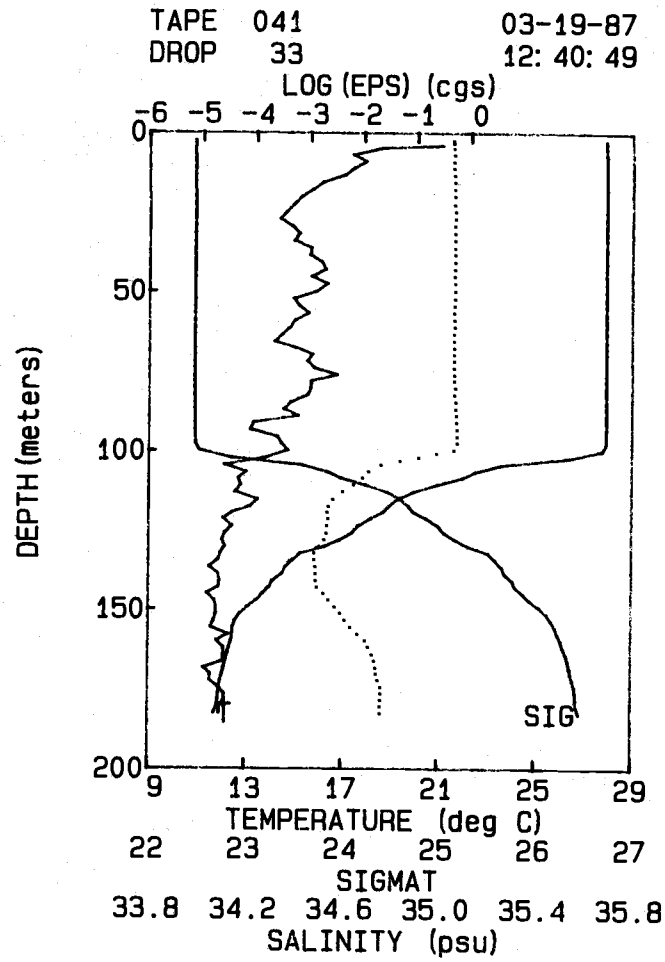
SALINITY (psu)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100
150
200
SIG
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TEMPERATURE (deg C)
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SIGMAT
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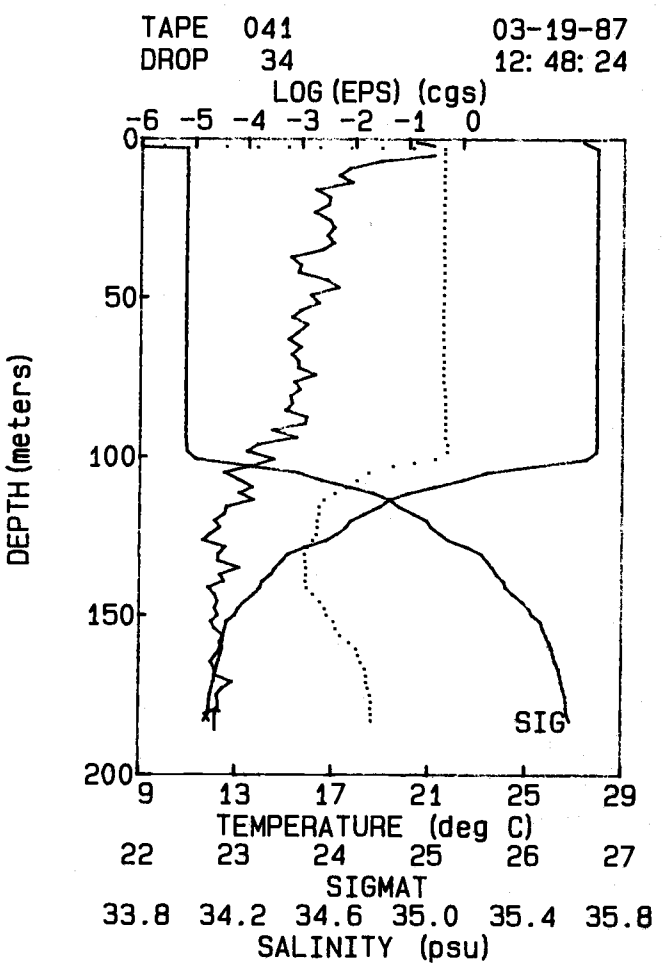
SALINITY (psu)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100
150
200
SIG
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TEMPERATURE (deg C)
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SIGMAT
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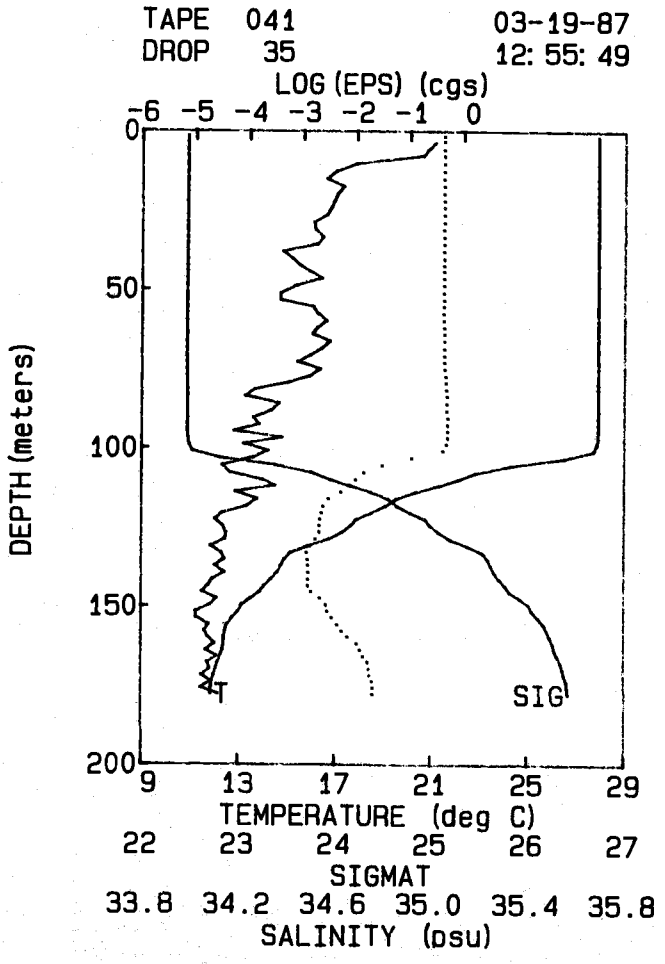
SALINITY (psu)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150
200
SIG
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TEMPERATURE (deg C)
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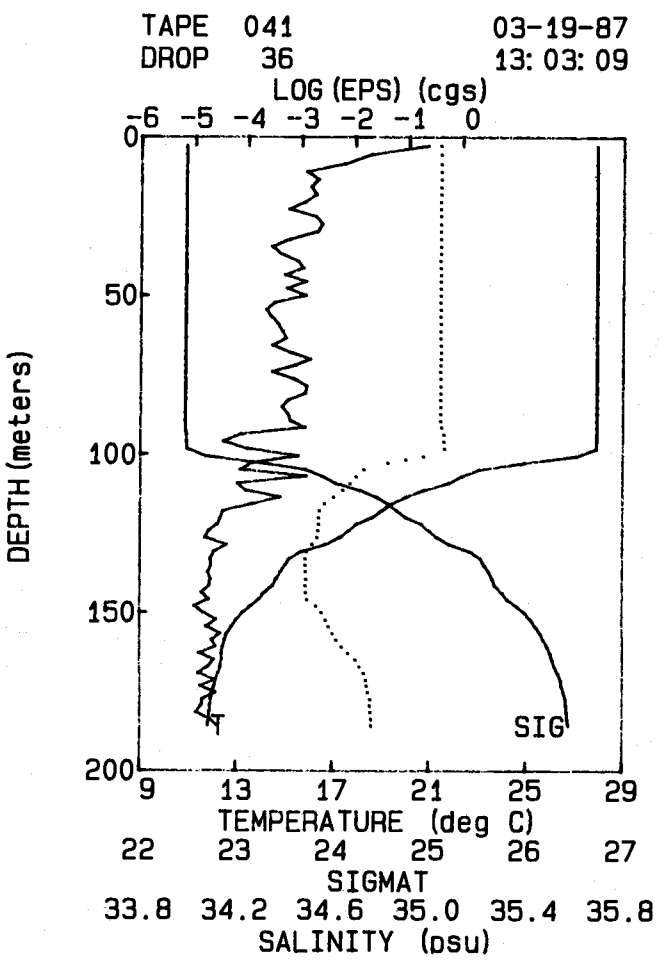
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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200
SIG
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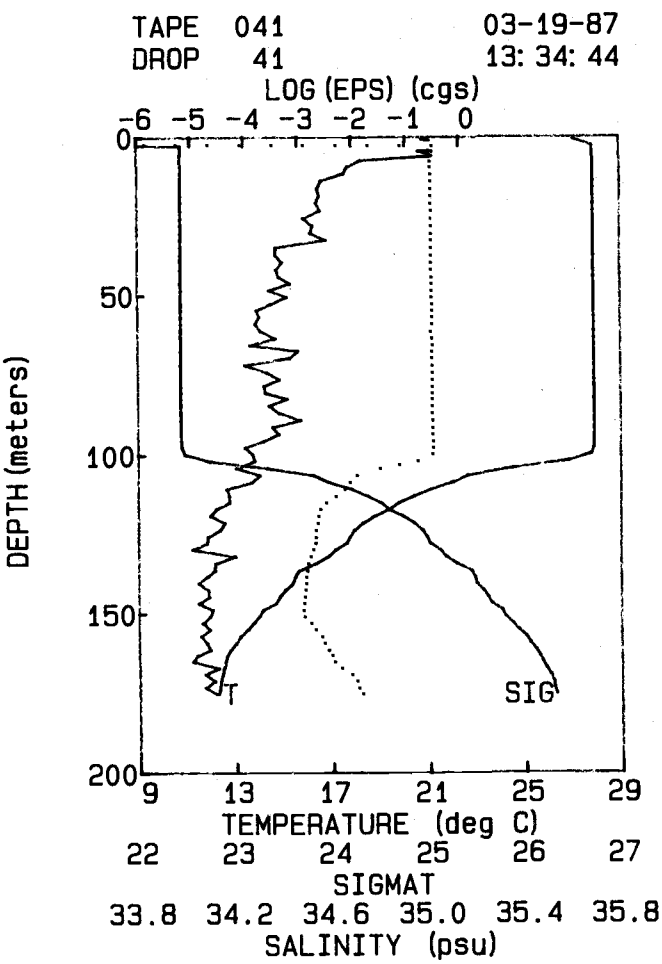
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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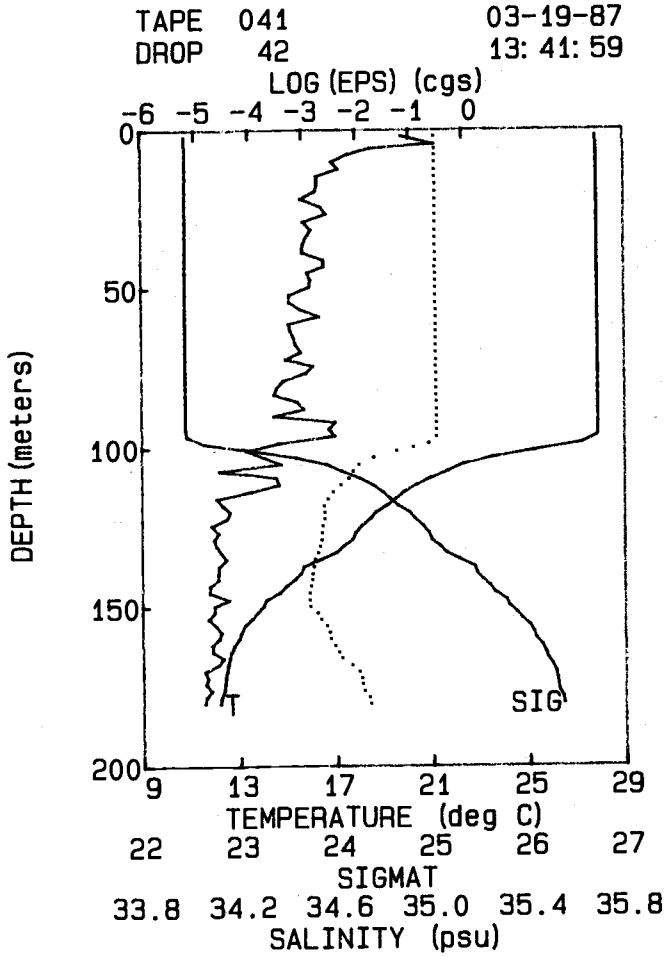
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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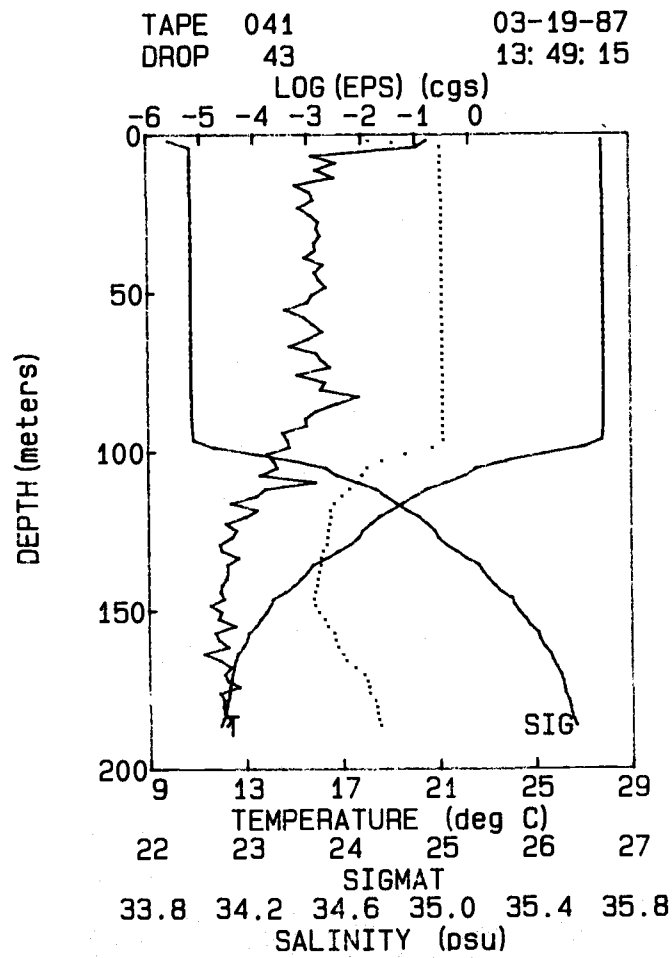
SALINITY (psu)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100
150
200
T
SIG
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SIGMAT
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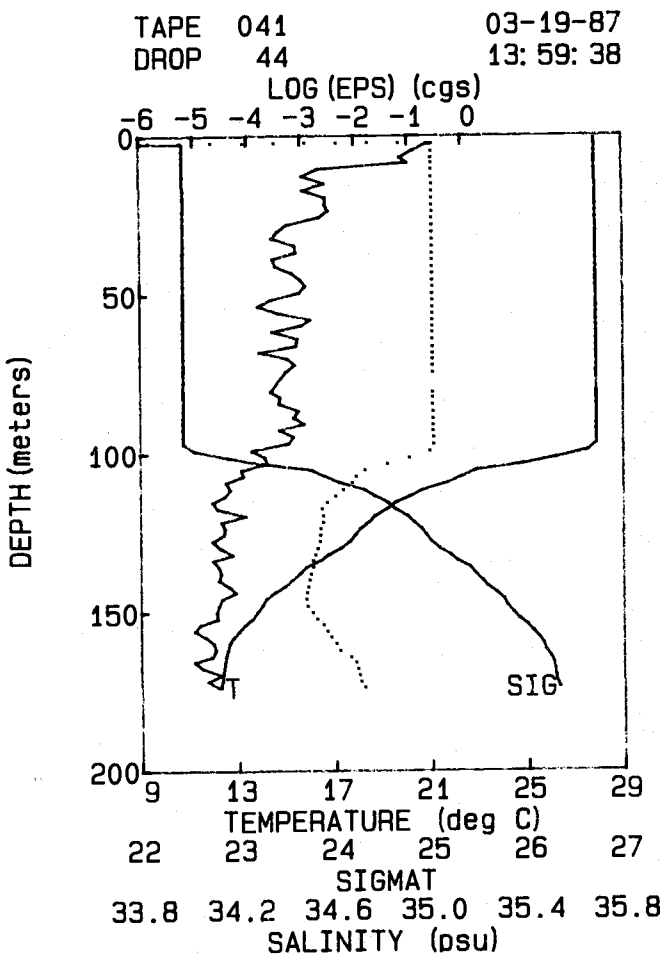
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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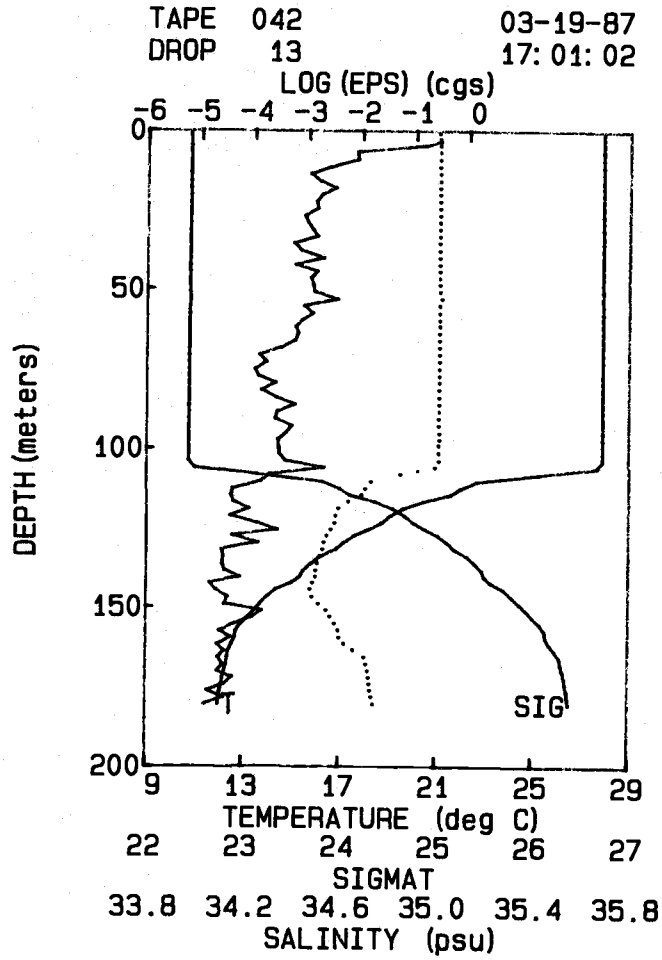
SALINITY (psu)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100
150
200
SIG
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TEMPERATURE (deg C)
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SIGMAT
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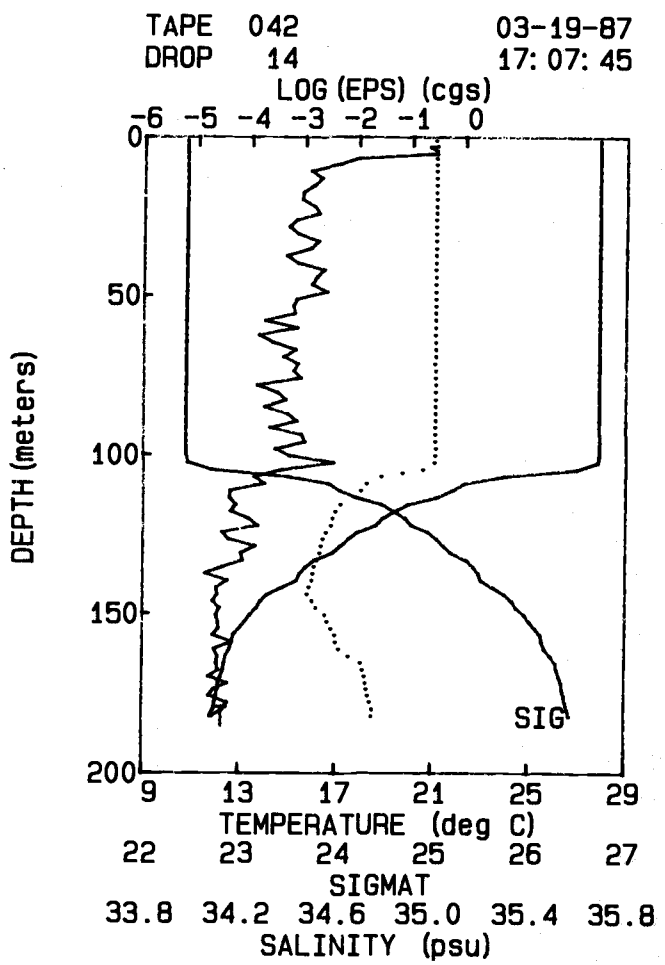
SALINITY (psu)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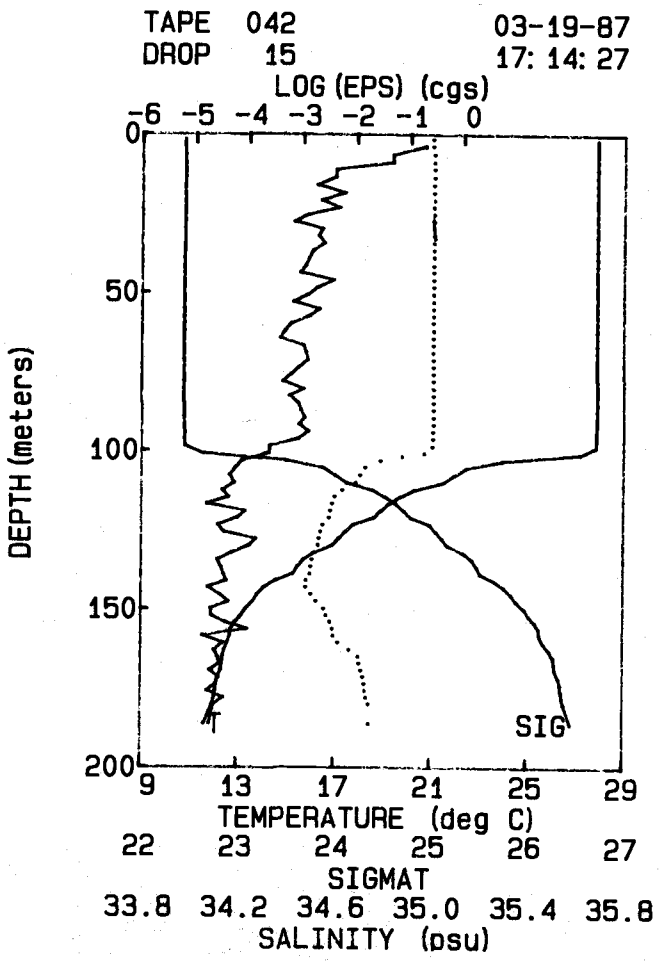
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 15
03-19-87
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LOG (EPS) (cgs)
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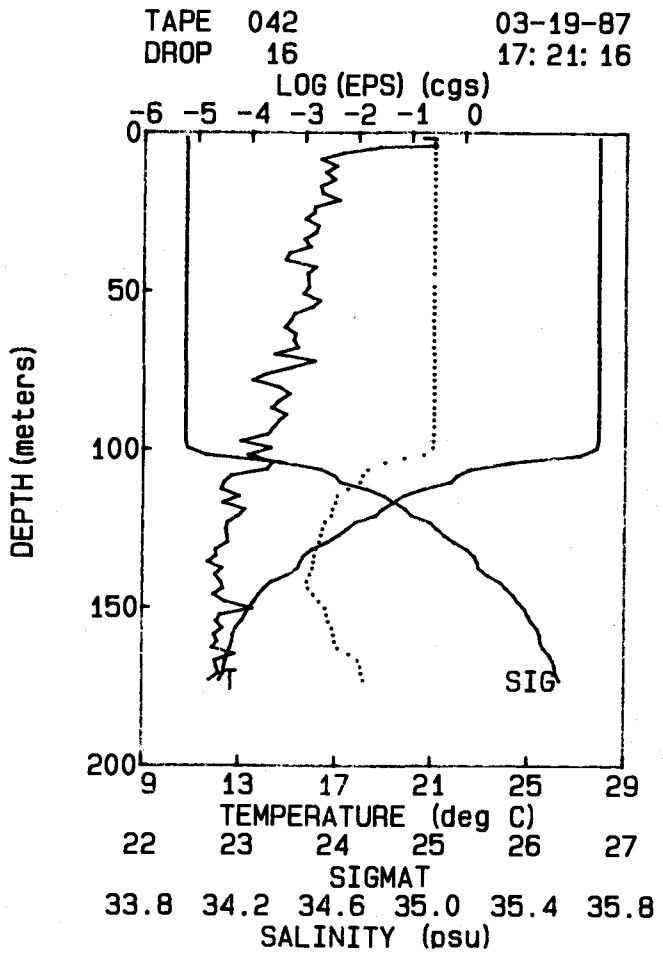
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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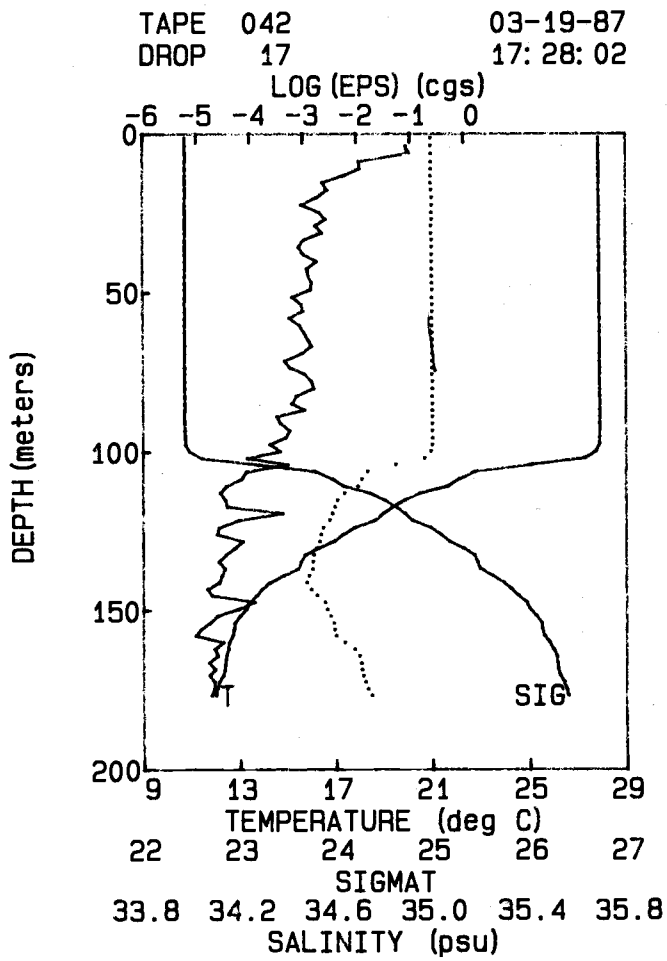
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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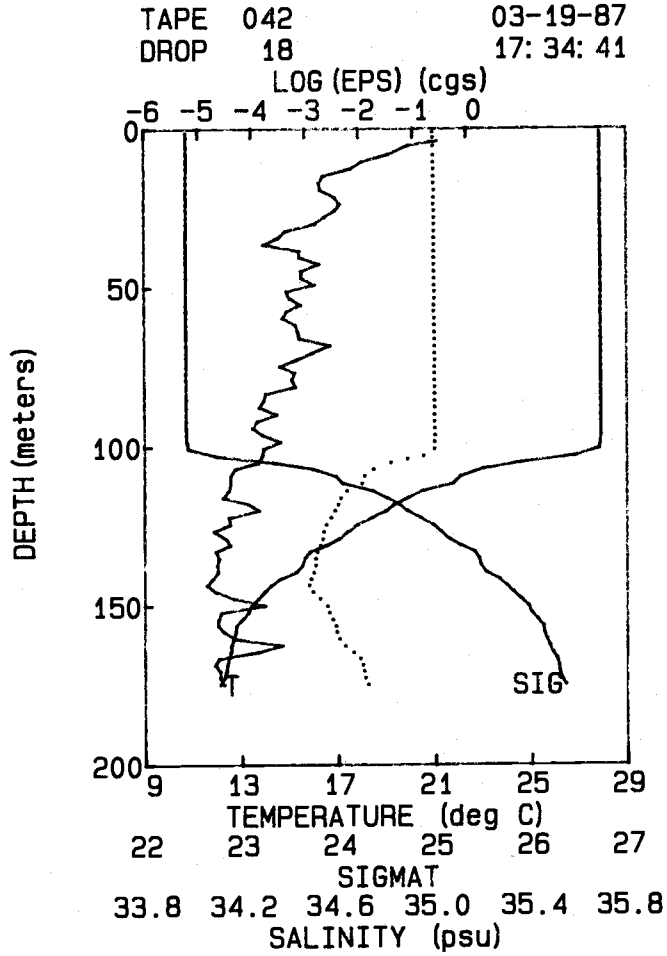
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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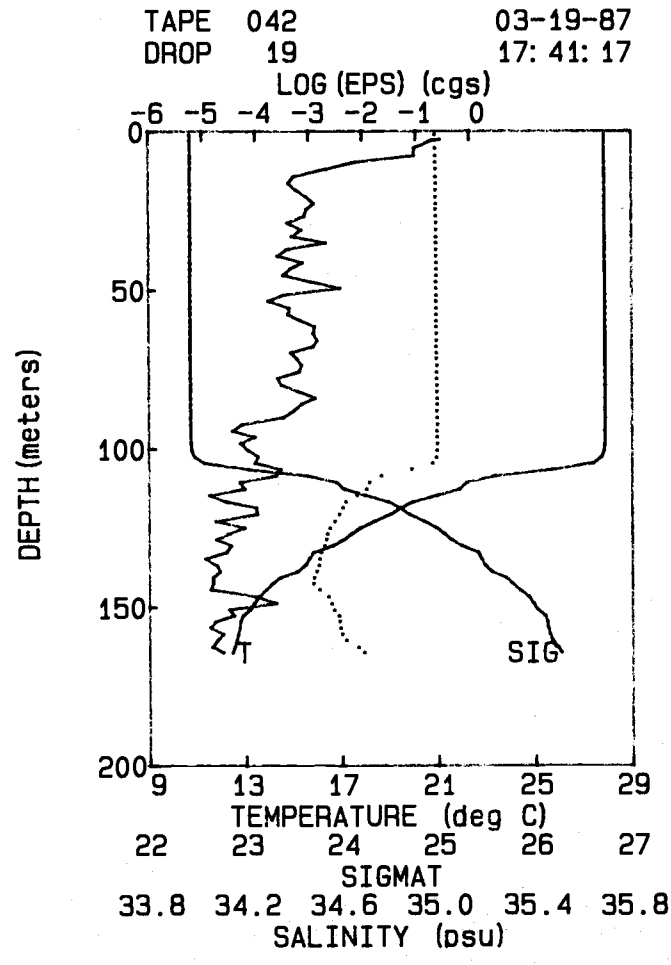
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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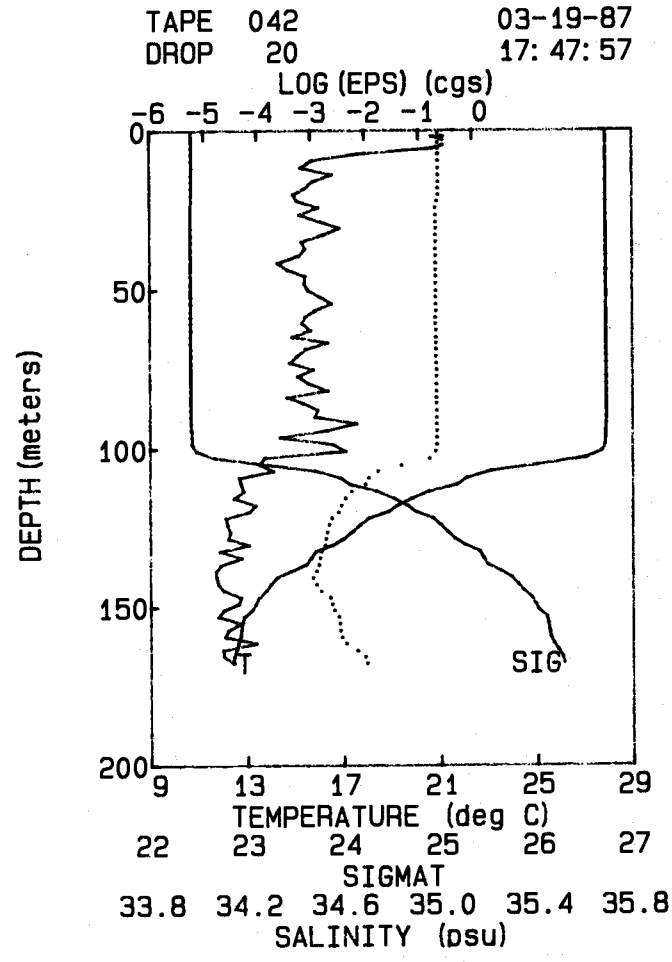
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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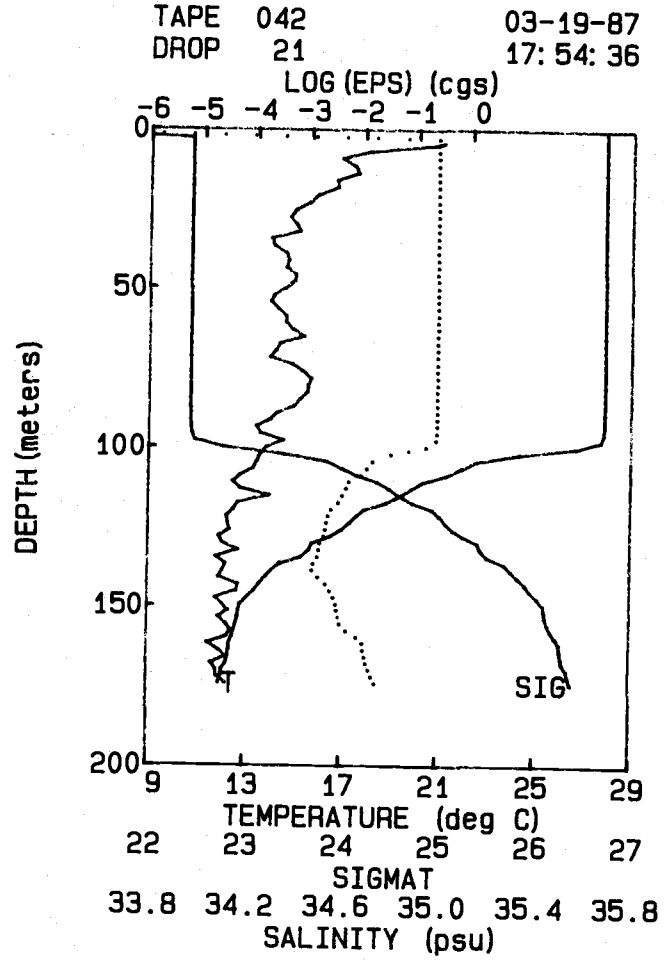
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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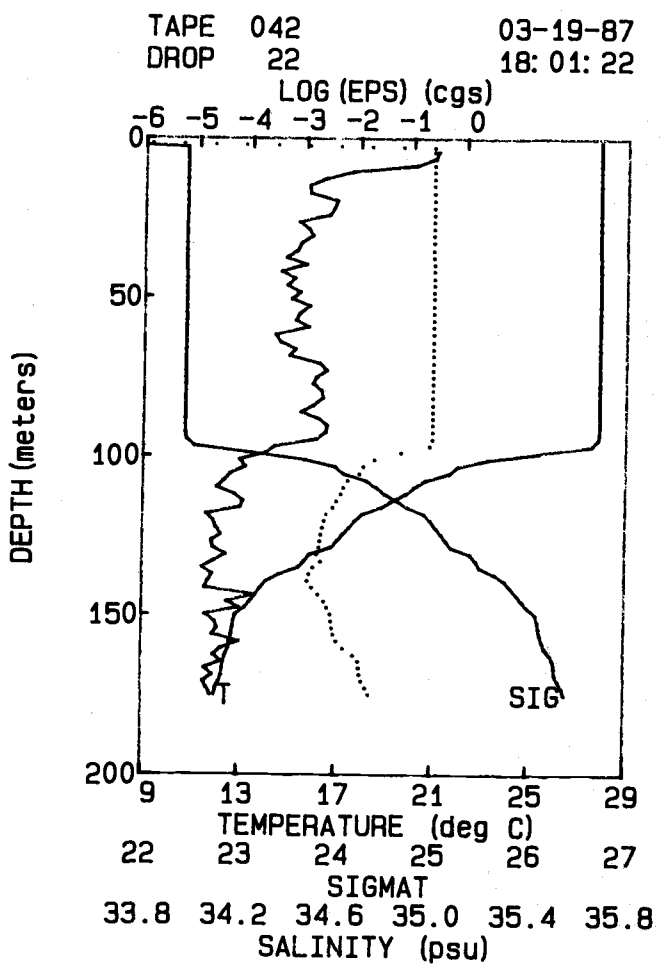
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
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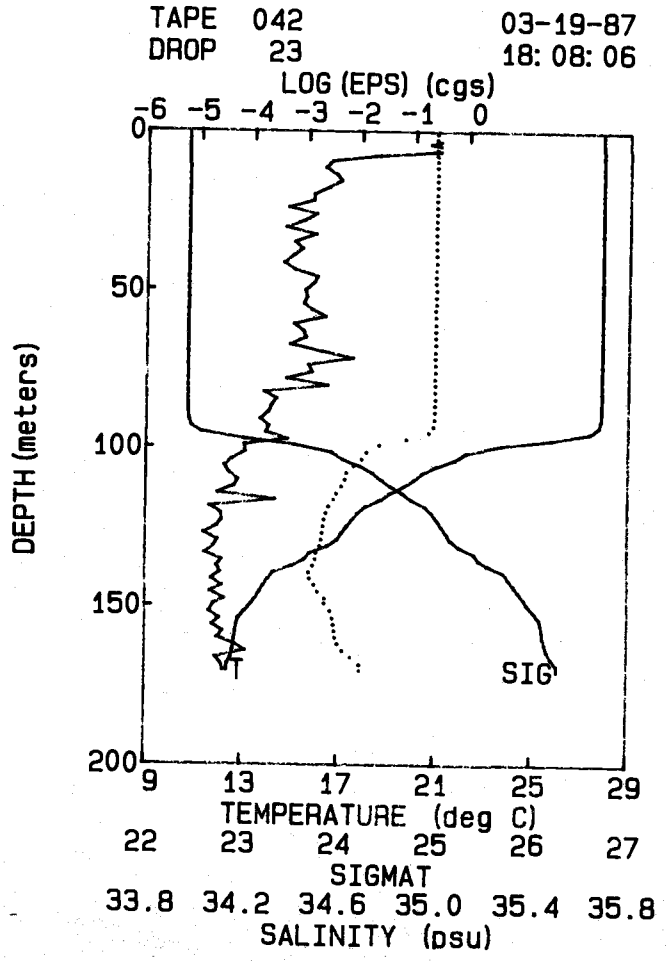
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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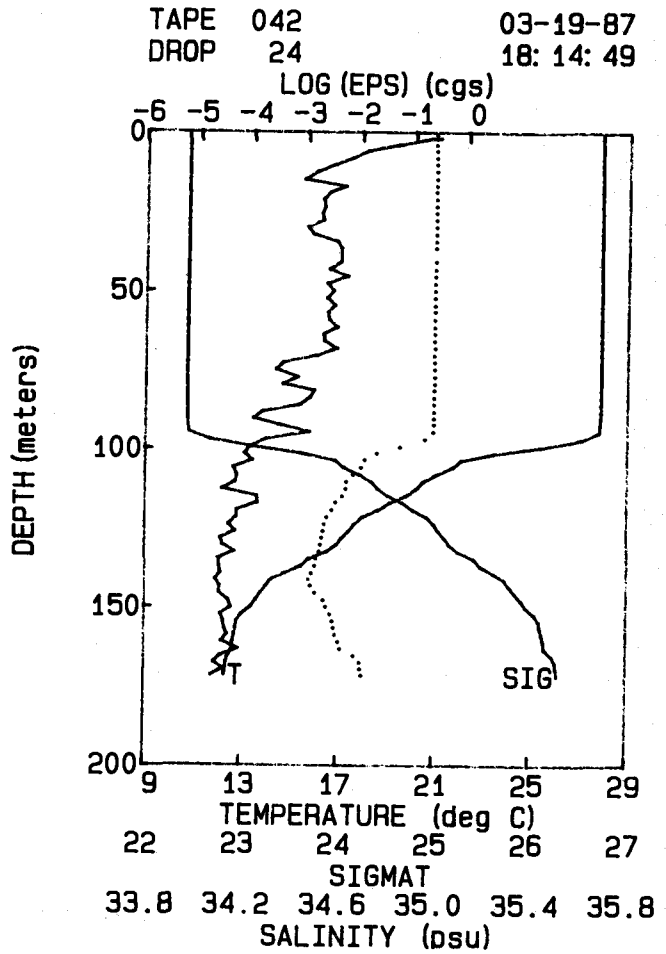
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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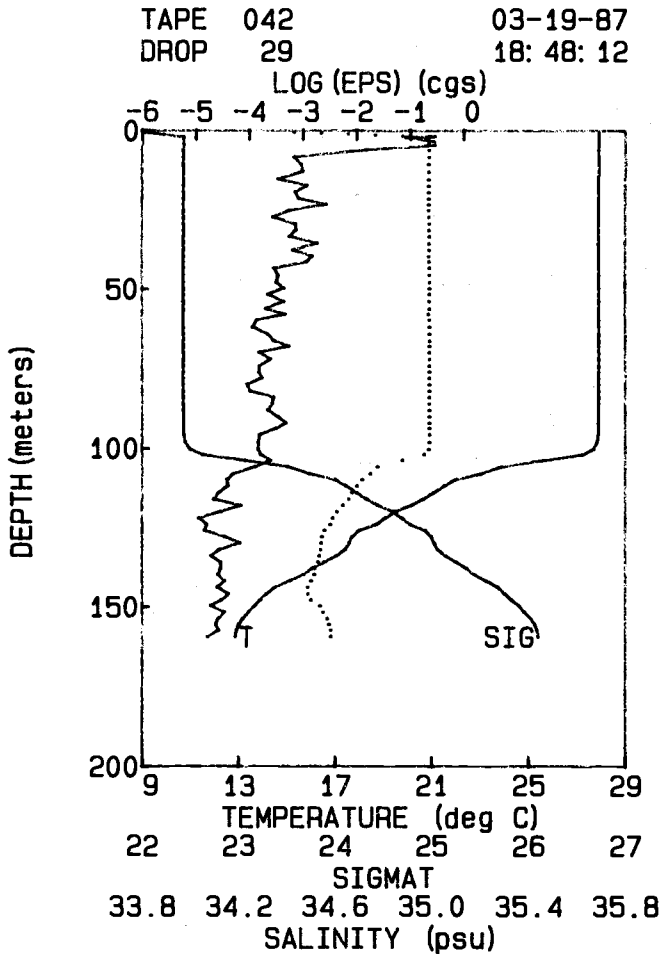
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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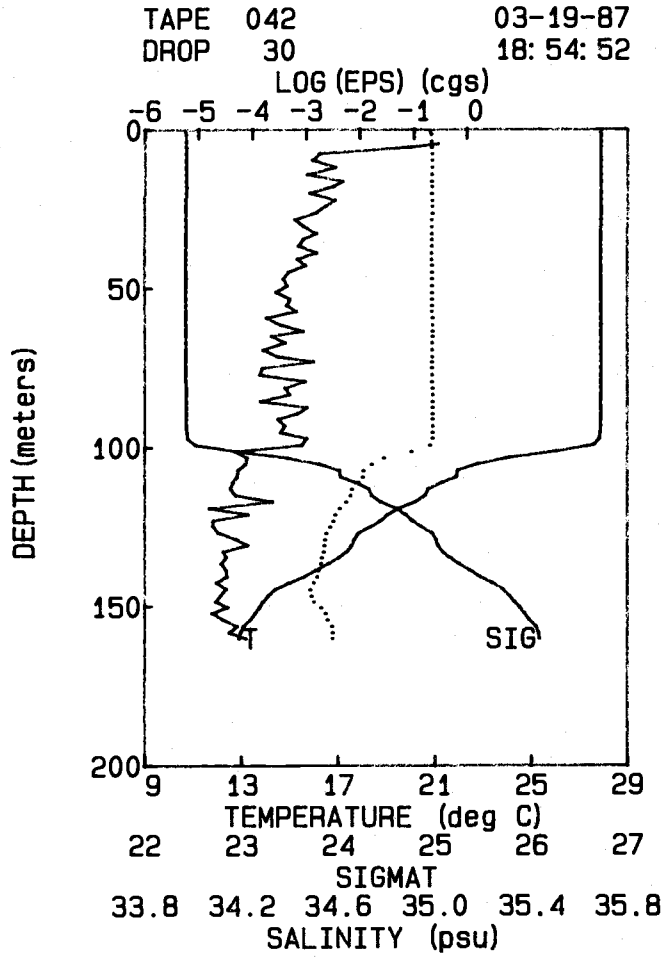
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 30
03-19-87
18: 54: 52
LOG (EPS) (cgs)
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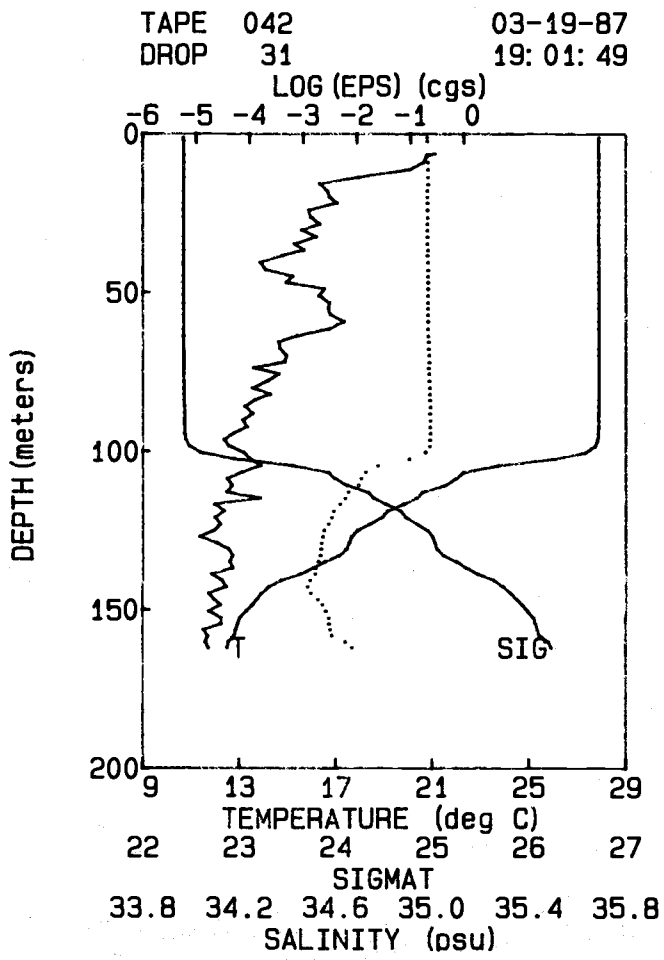
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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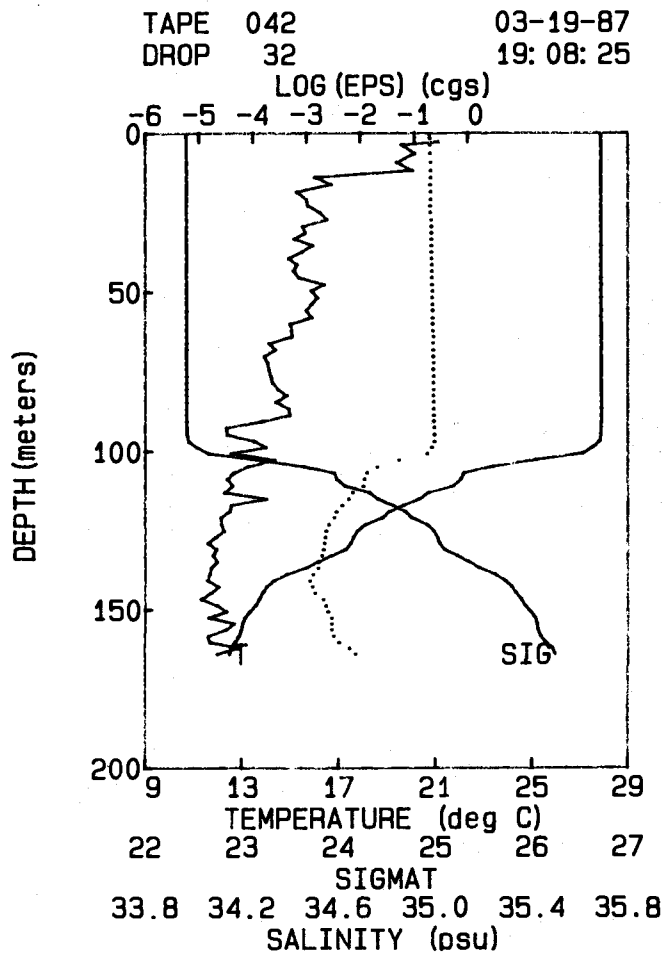
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 32
03-19-87
19: 08: 25
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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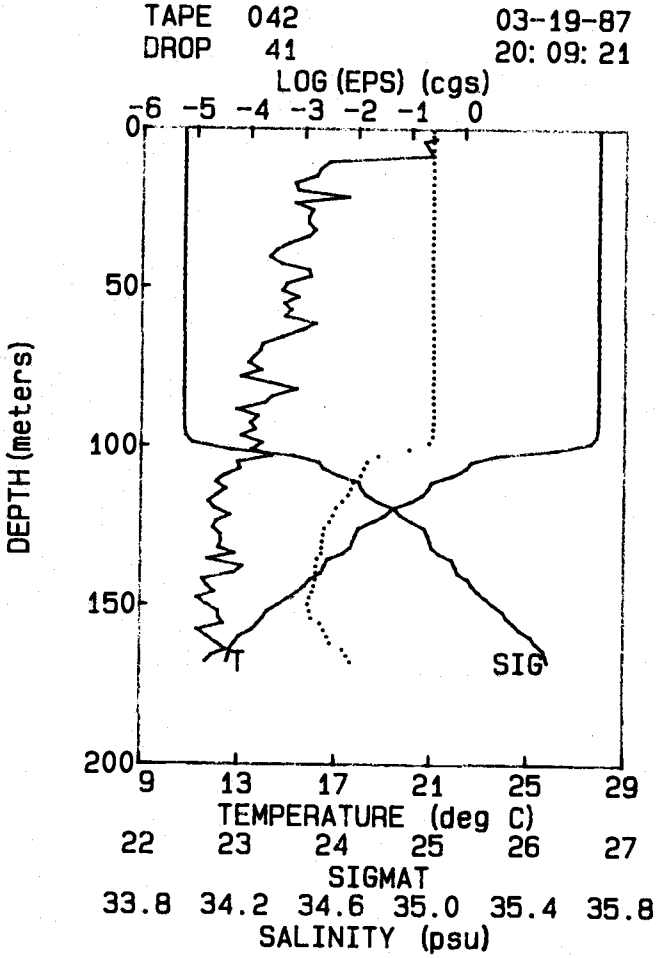
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 41
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20: 09: 21
LOG (EPS) (cgs)
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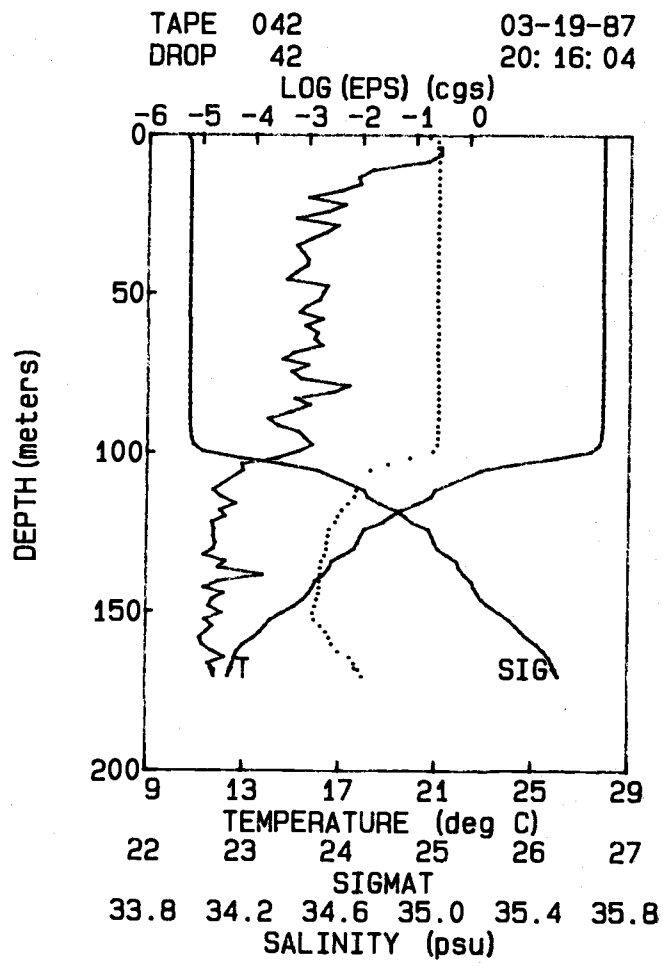
0
50
100
150
200
DEPTH (meters)
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-19-87
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LOG (EPS) (cgs)
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0
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100
150
200
DEPTH (meters)
T
SIG
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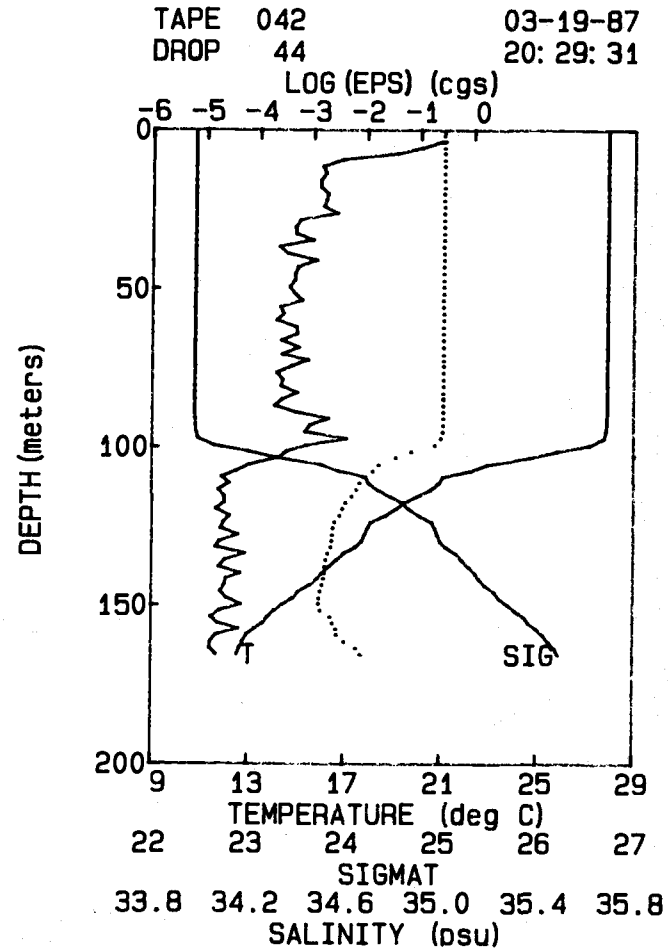
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 44
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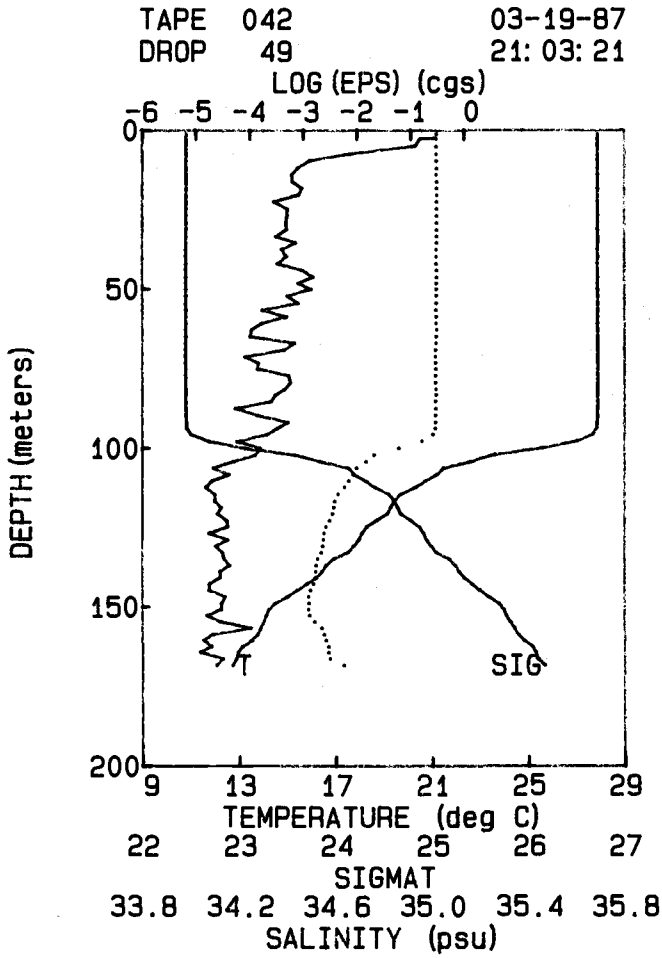
50
100
150
200
DEPTH (meters)
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
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100
150
200
SIG
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TEMPERATURE (deg C)
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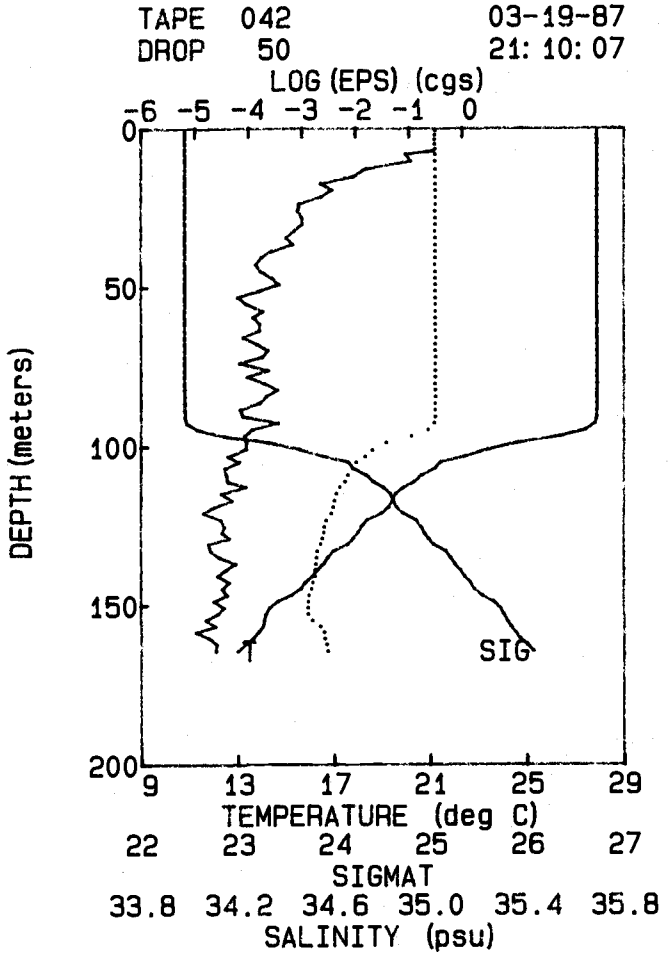
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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SIG
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TEMPERATURE (deg C)
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SIGMAT
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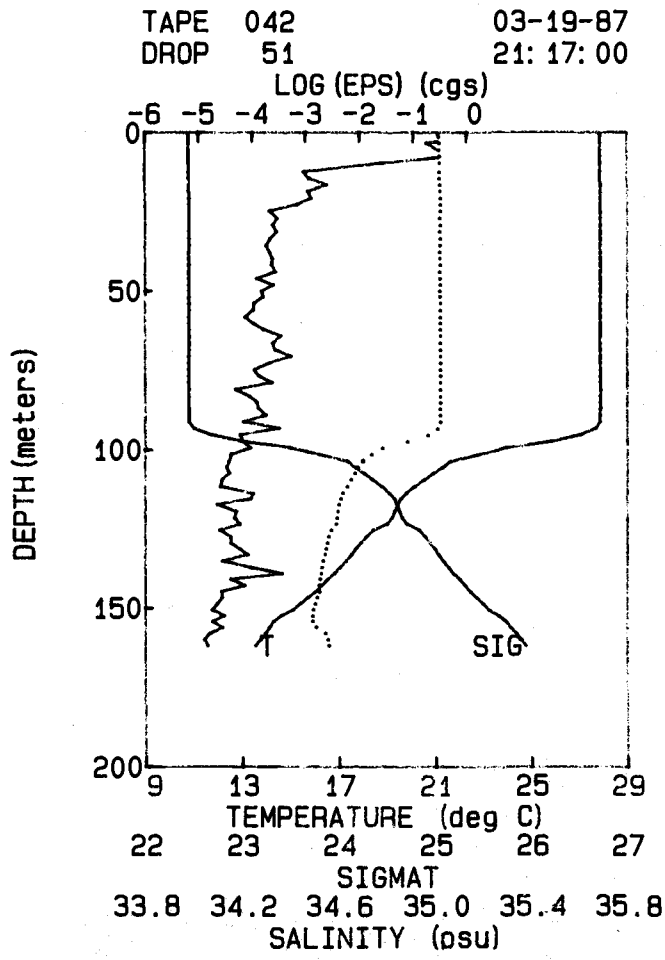
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
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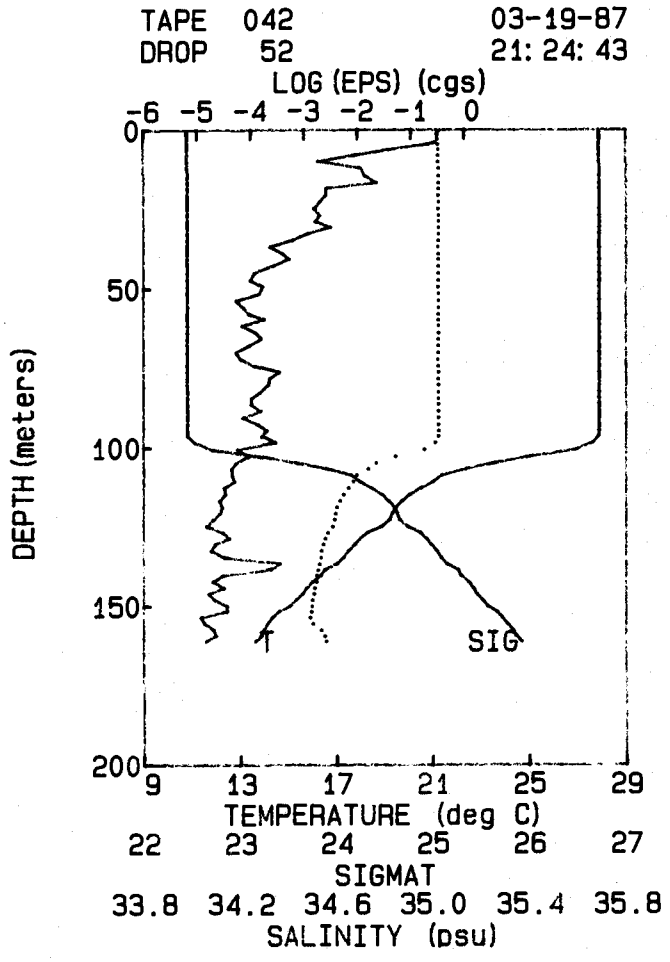
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
SIG
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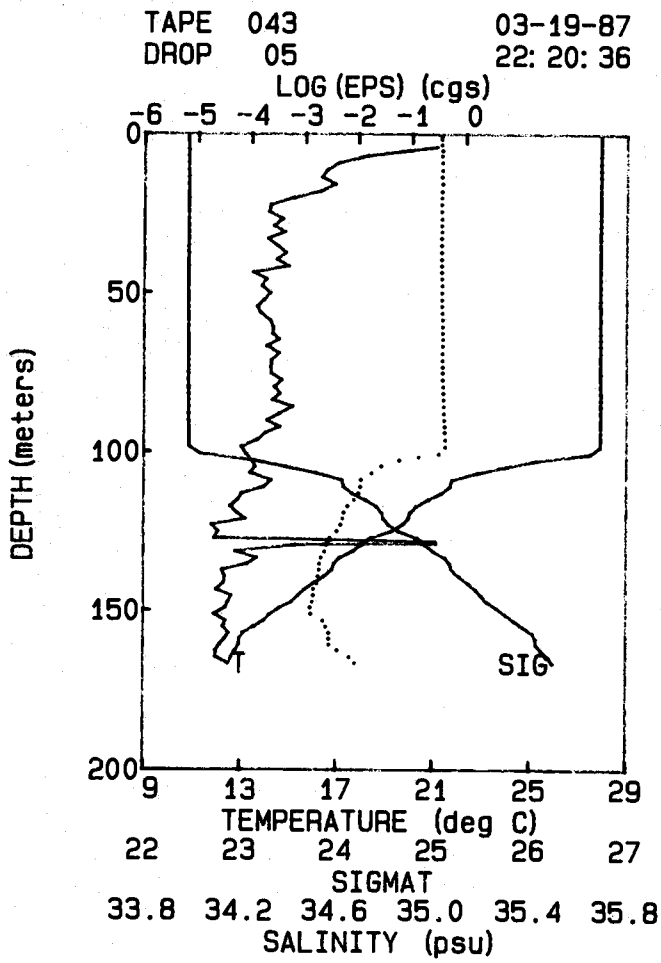
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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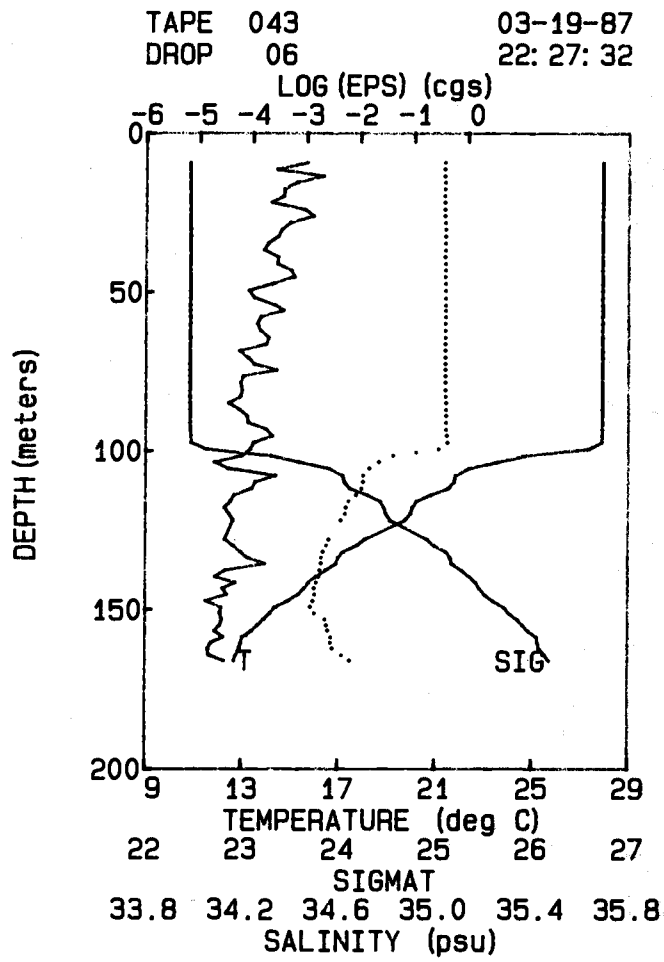
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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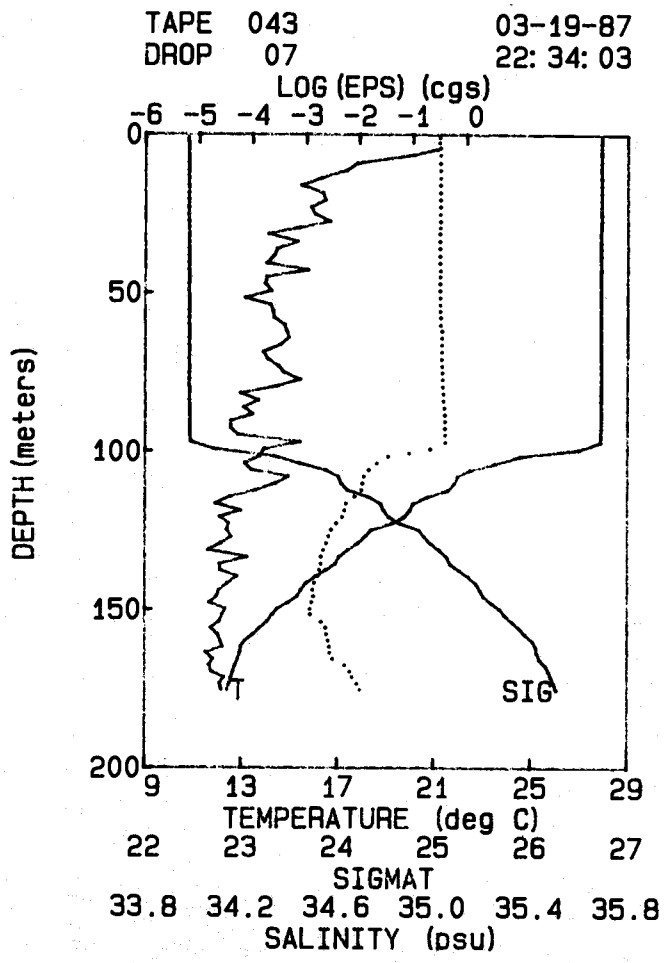
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-19-87
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DEPTH (meters)
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100
150
200
T
SIG
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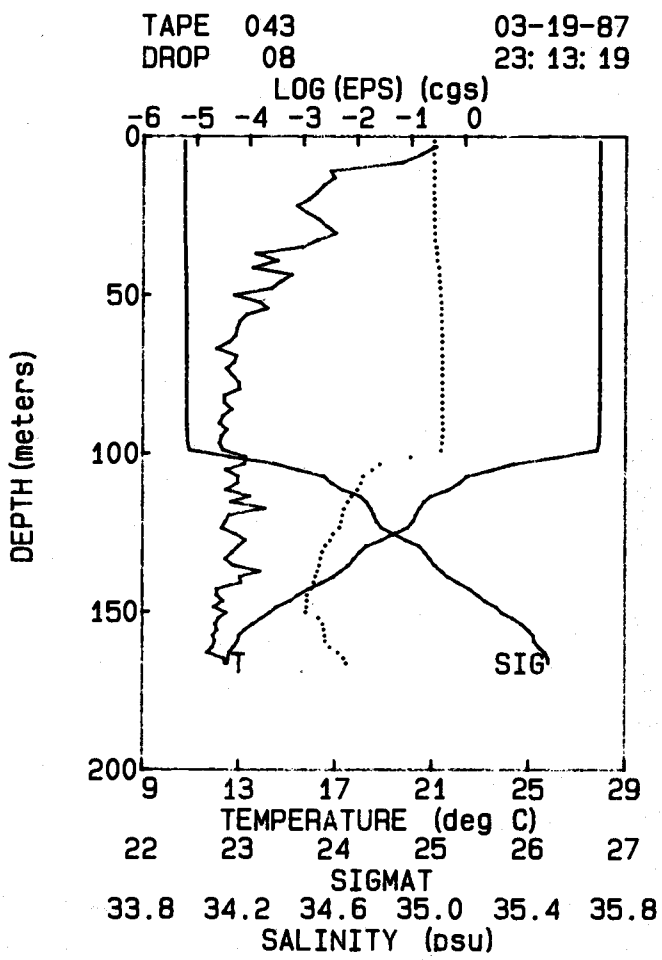
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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100
150
200
T
SIG
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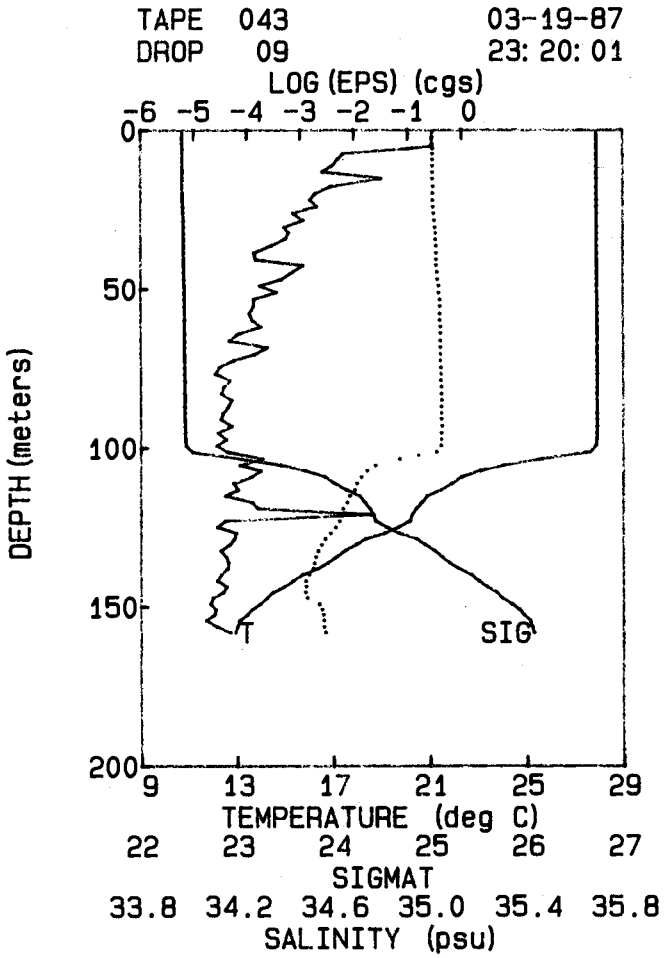
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-19-87
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LOG (EPS) (cgs)
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DEPTH (meters)
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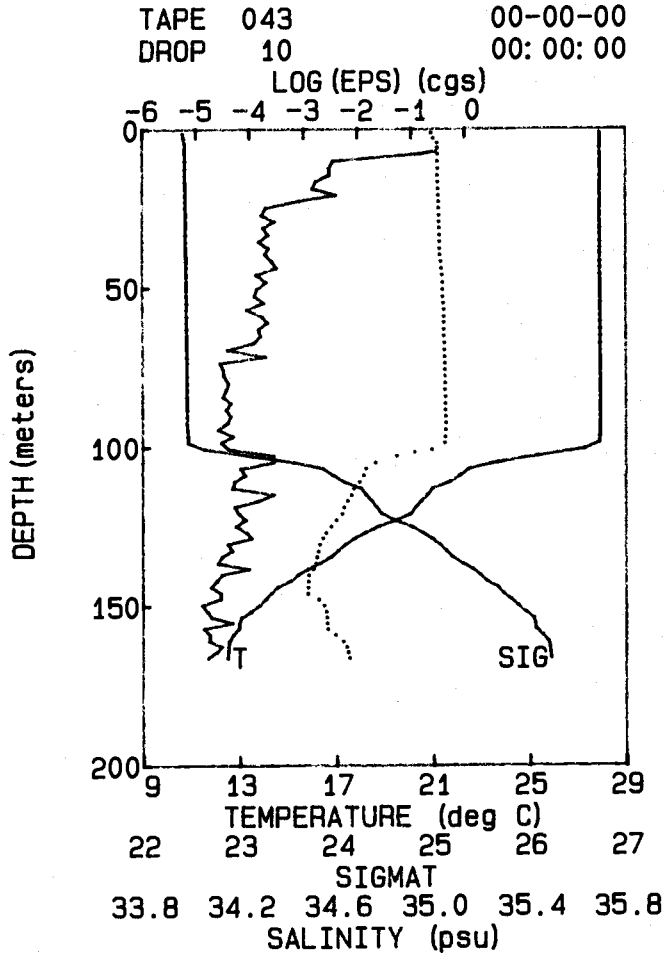
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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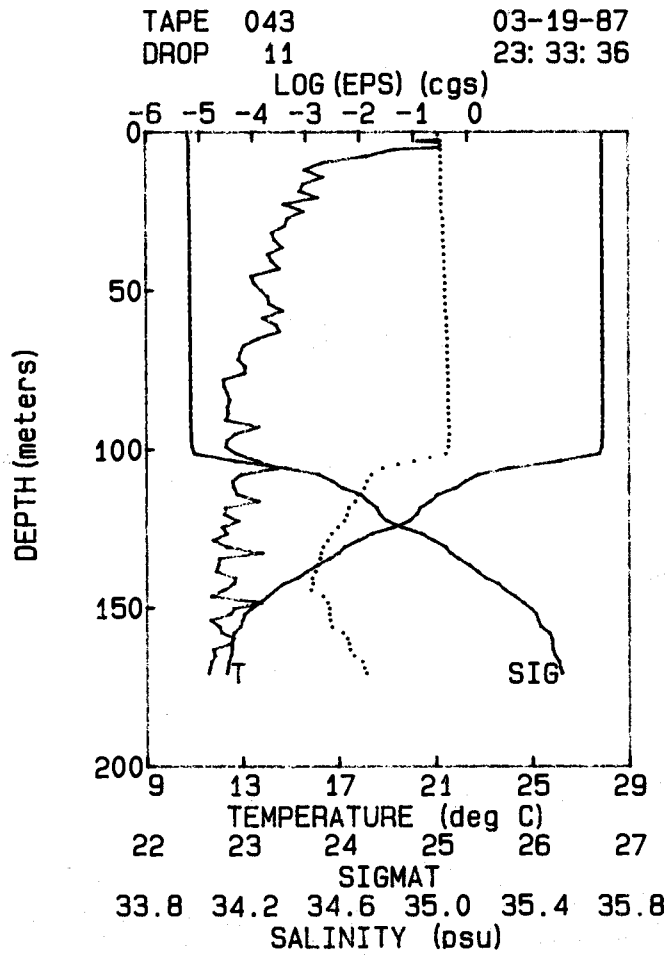
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-19-87
23: 33: 36
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DEPTH (meters)
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50
100
150
200
T
SIG
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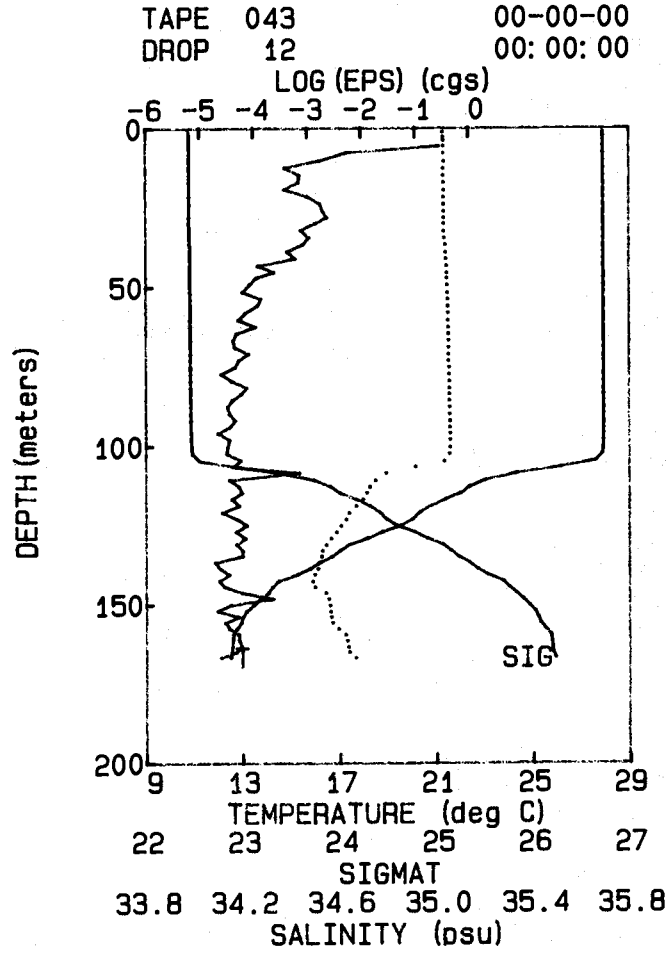
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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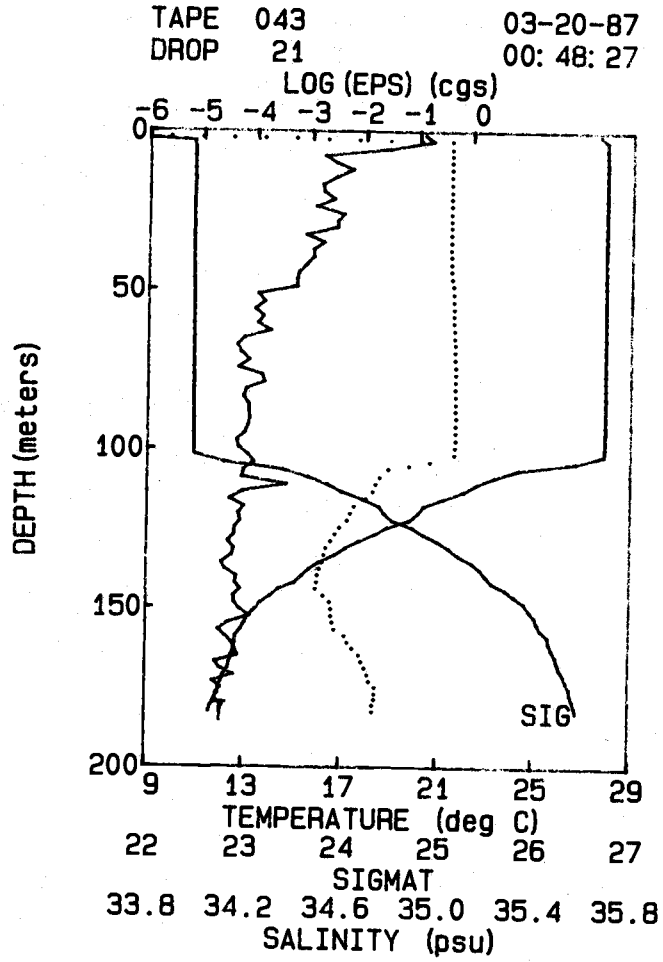
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-20-87
00: 48: 27
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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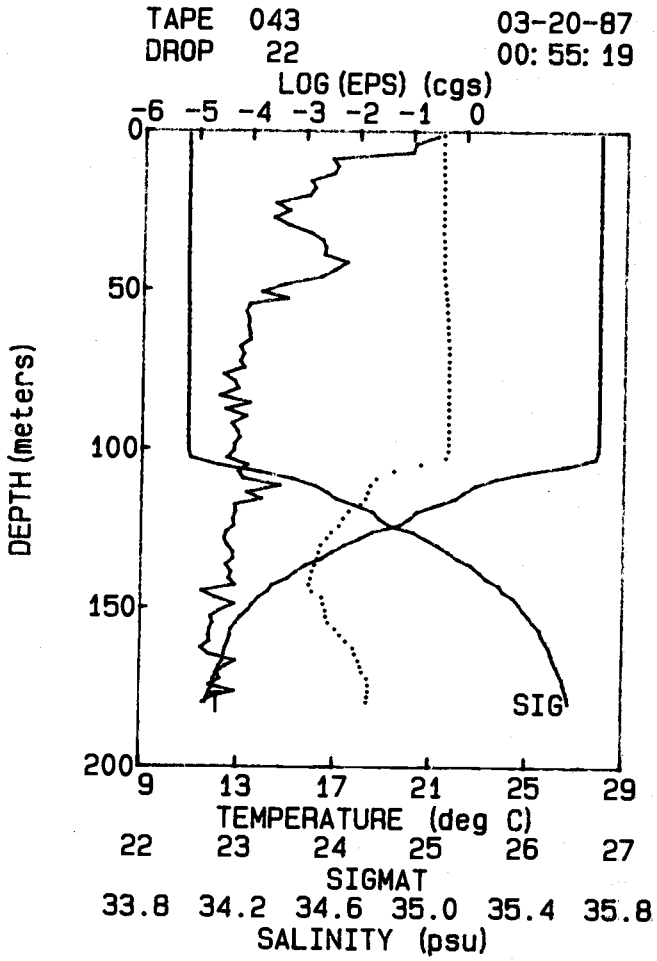
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-20-87
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50
100
150
200
SIG
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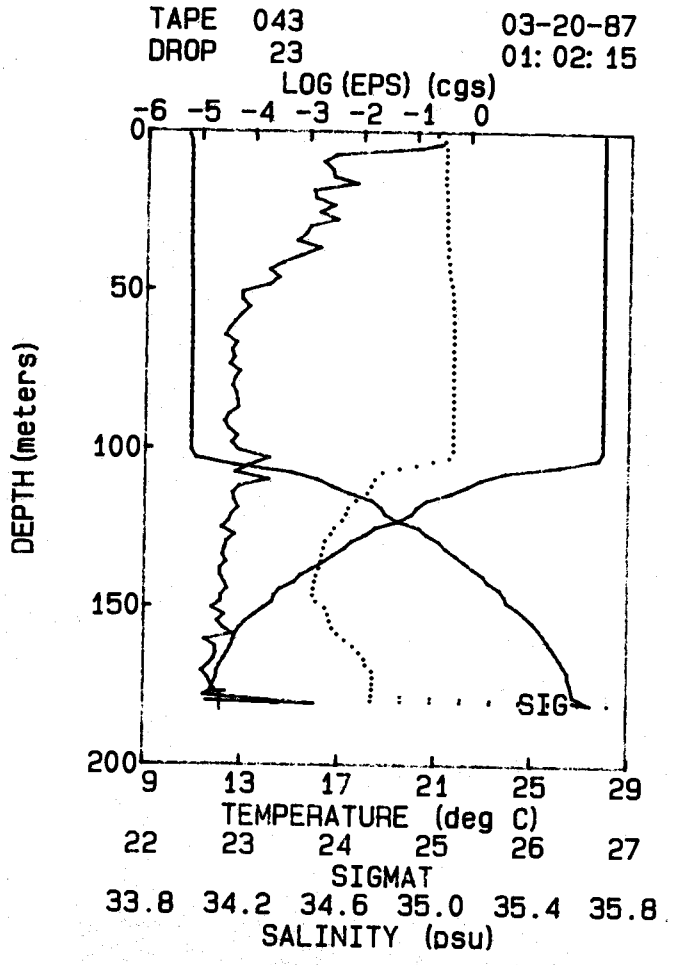
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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01: 02: 15
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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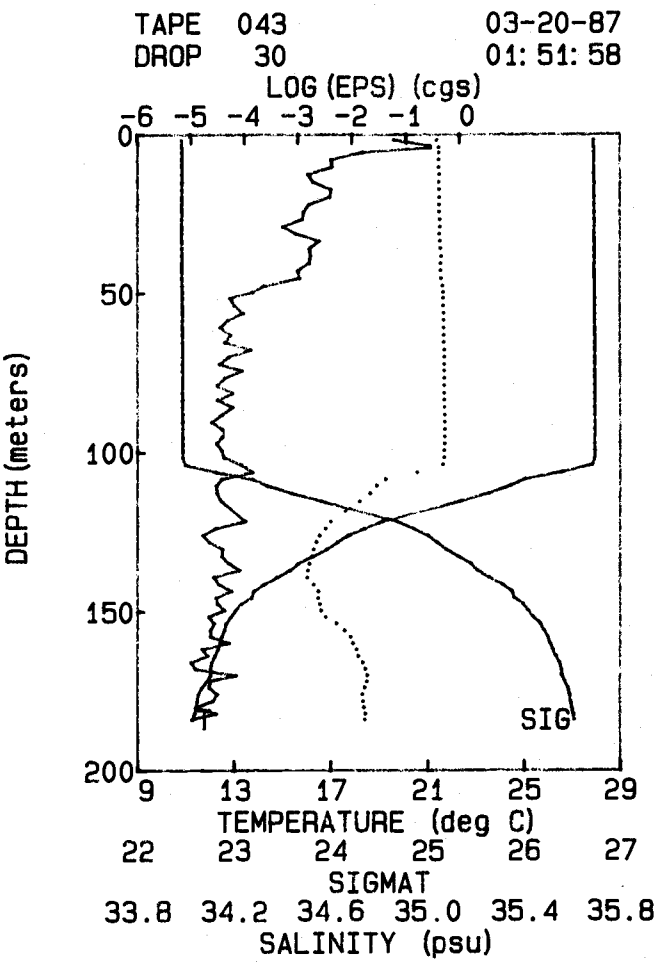
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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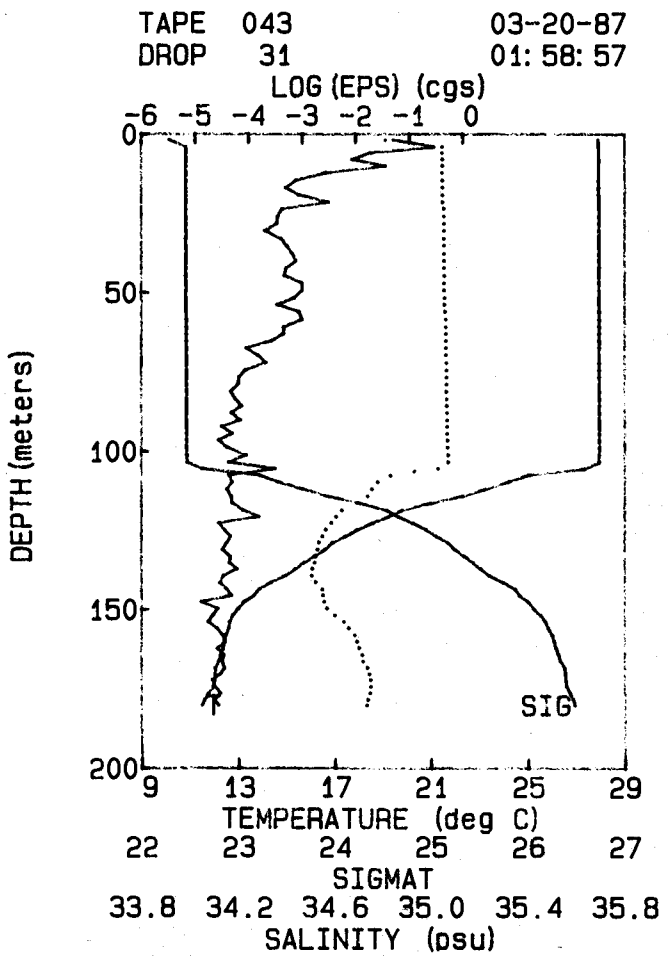
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
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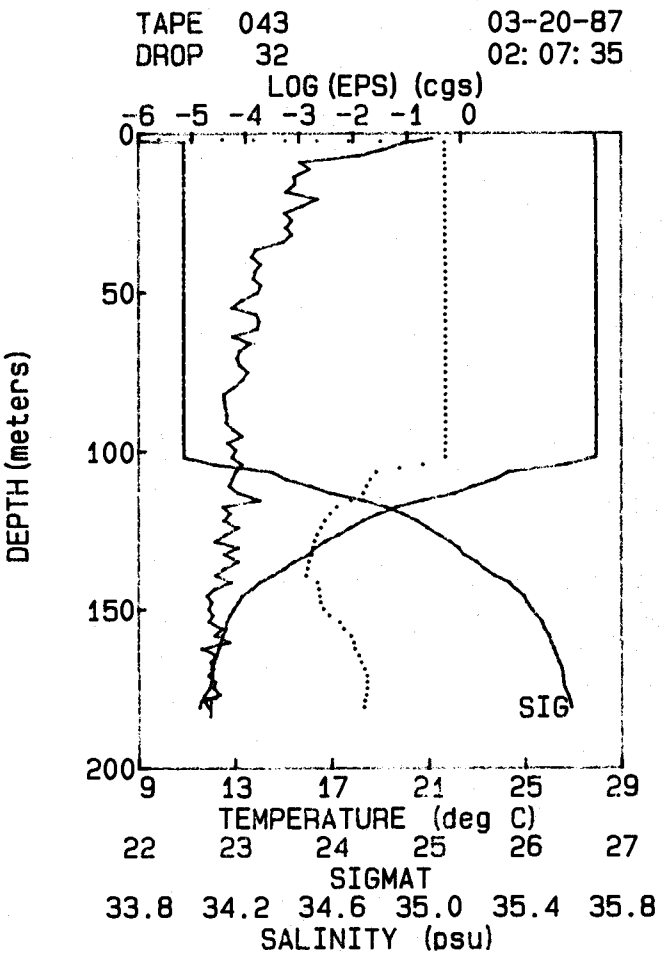
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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02: 07: 35
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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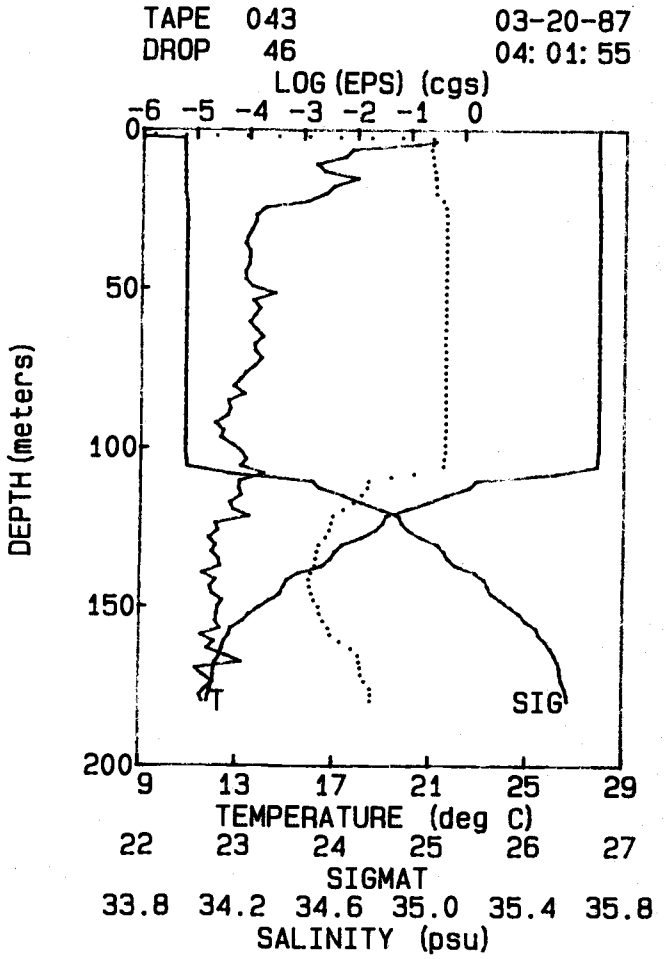
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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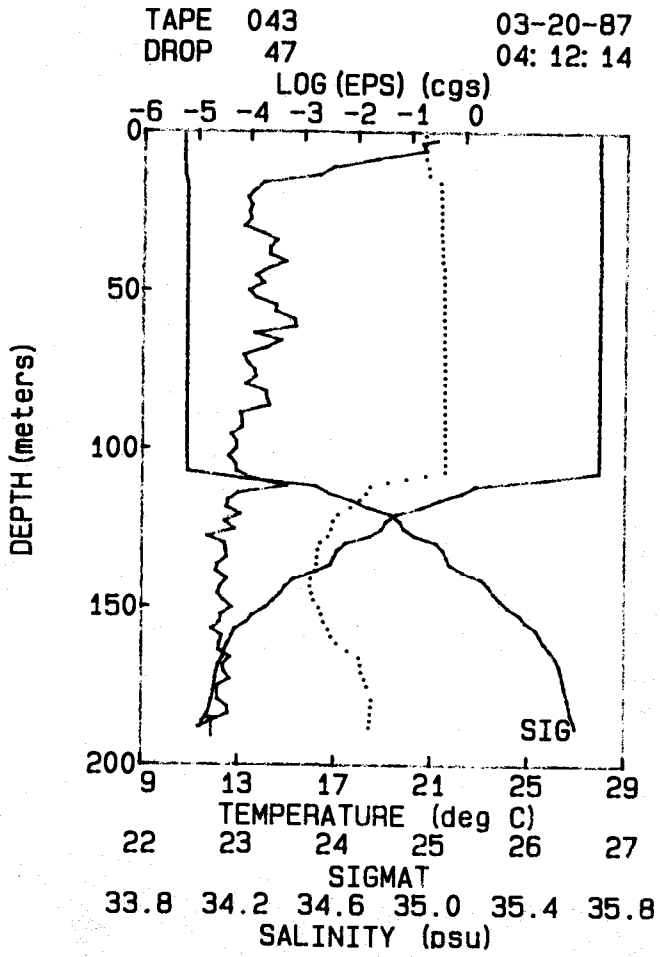
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
SIG
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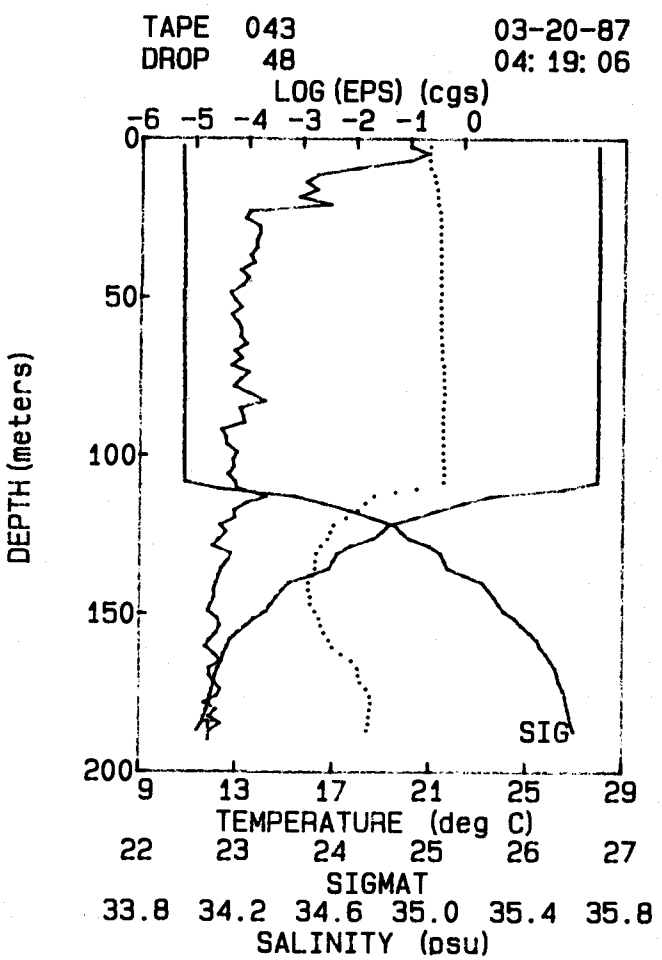
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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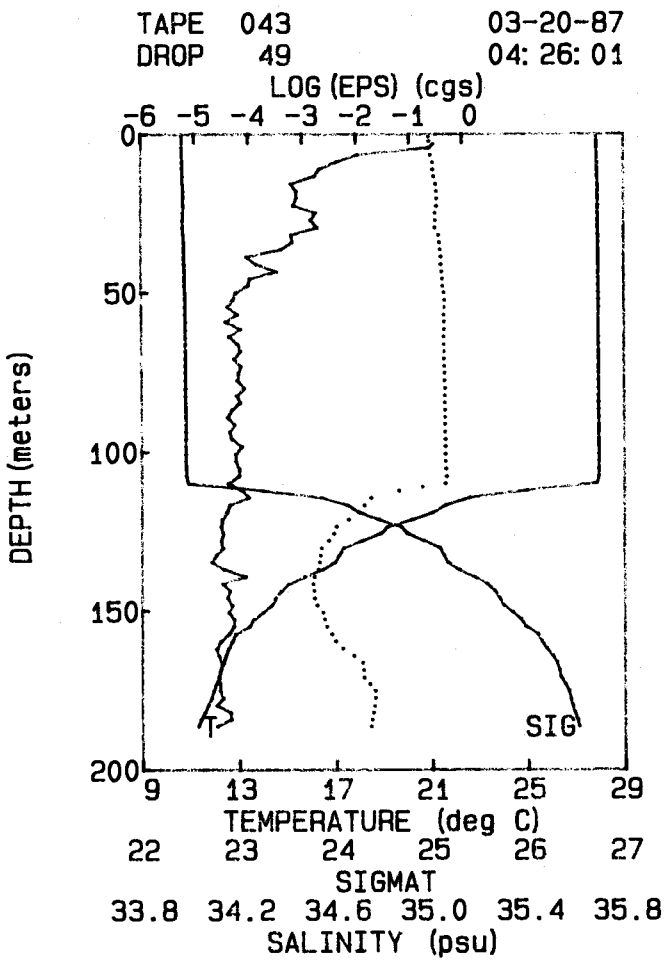
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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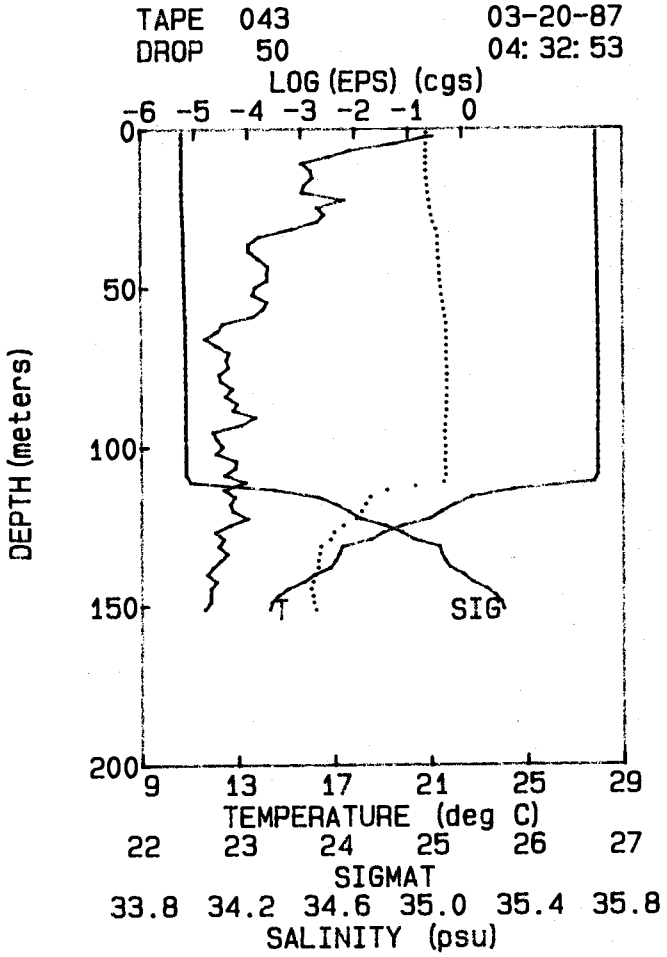
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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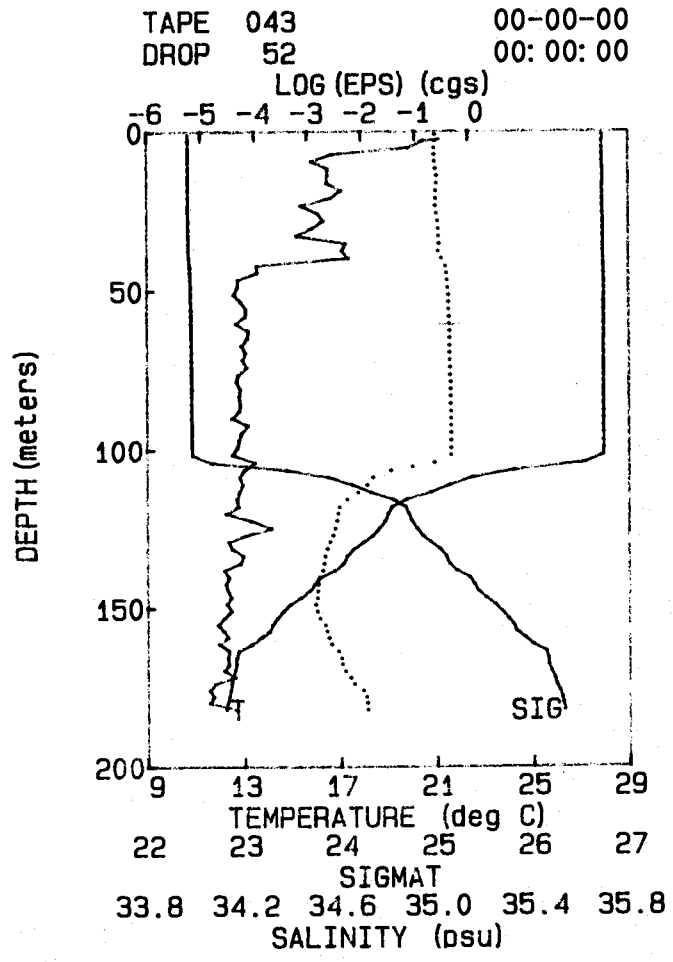
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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00: 00: 00
LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
T
SIG
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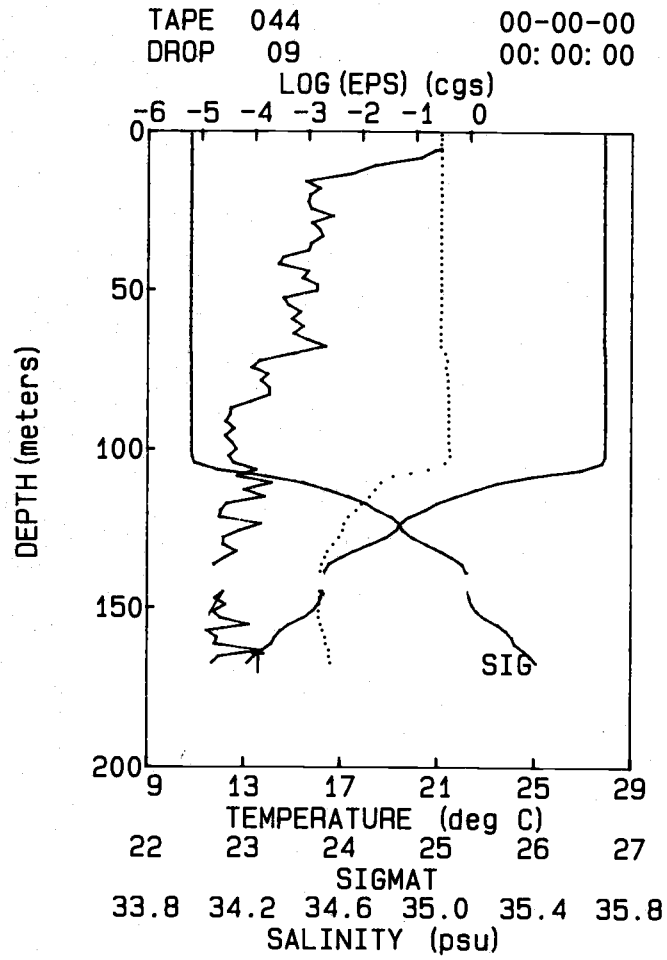
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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00-00-00
00: 00: 00
LOG (EPS) (cgs)
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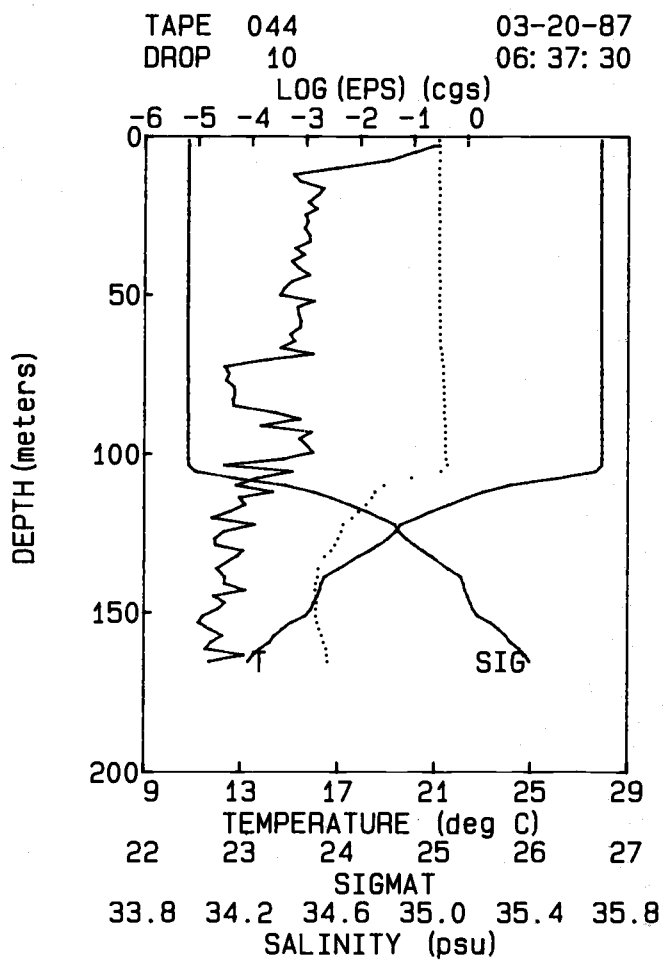
DEPTH (meters)
0
50
100
150
200
SIG
T
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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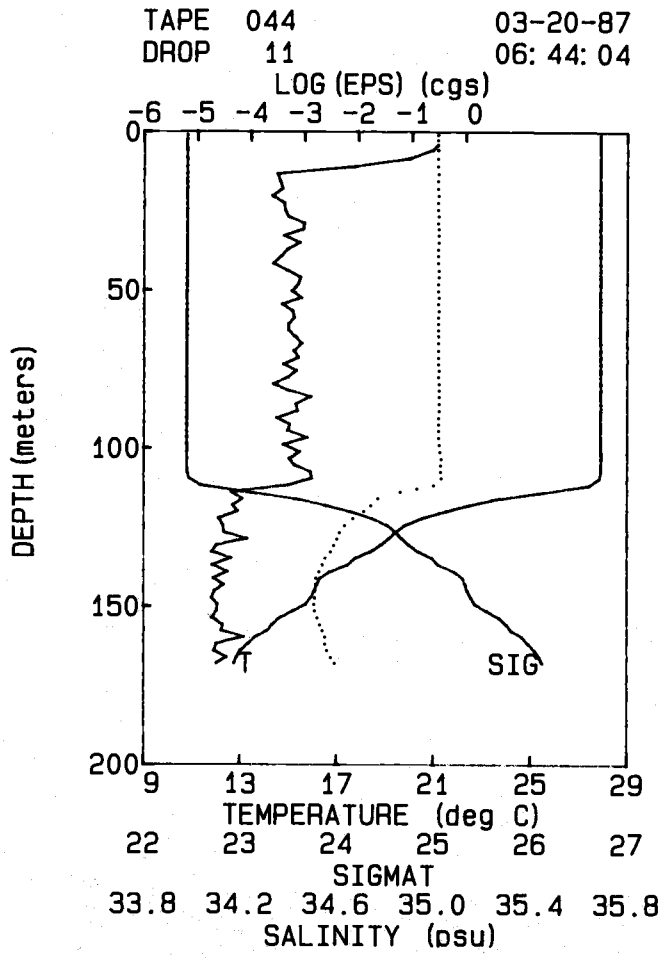
DEPTH (meters)
0
50
100
150
200
SIG
T
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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06: 44: 04
LOG (EPS) (cgs)
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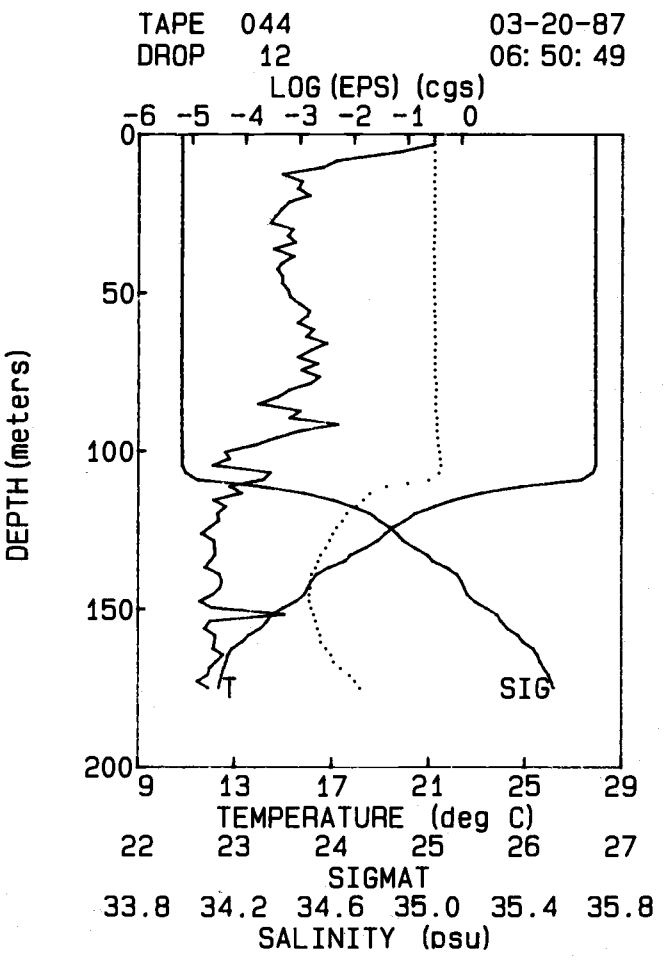
DEPTH (meters)
0
50
100
150
200
SIG
T
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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06: 50: 49
LOG (EPS) (cgs)
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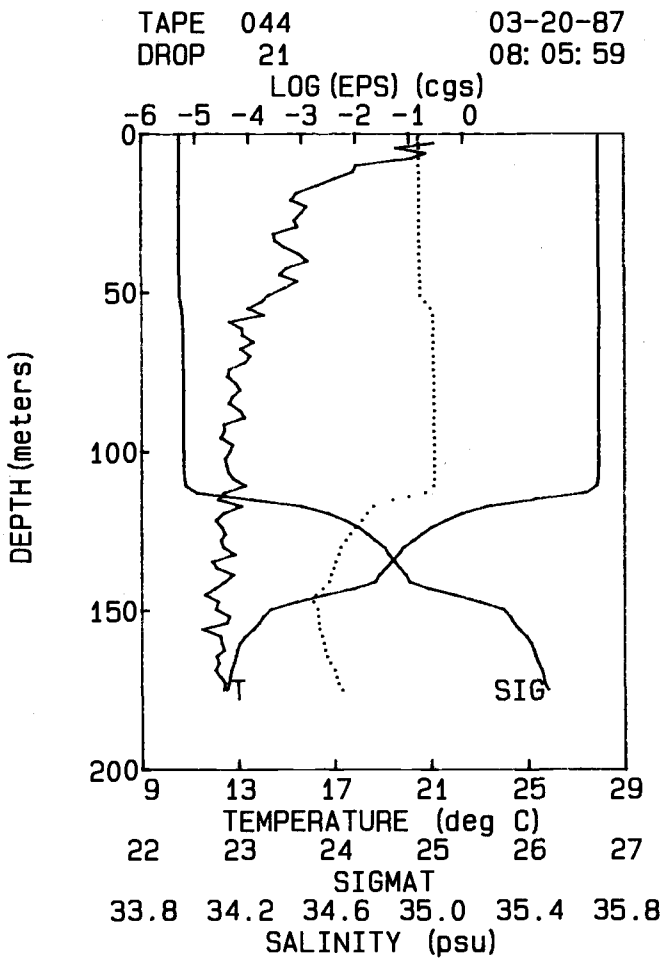
DEPTH (meters)
0
50
100
150
200
SIG
T
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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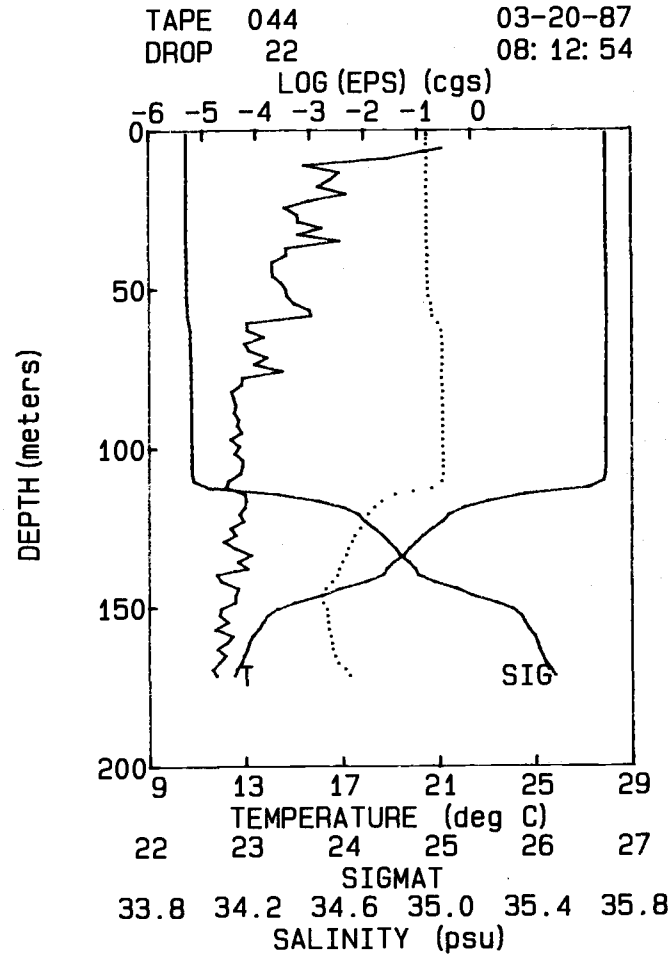
03-20-87
DROP 21
08: 05: 59
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 22
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LOG (EPS) (cgs)
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50
100
150
200
T
SIG
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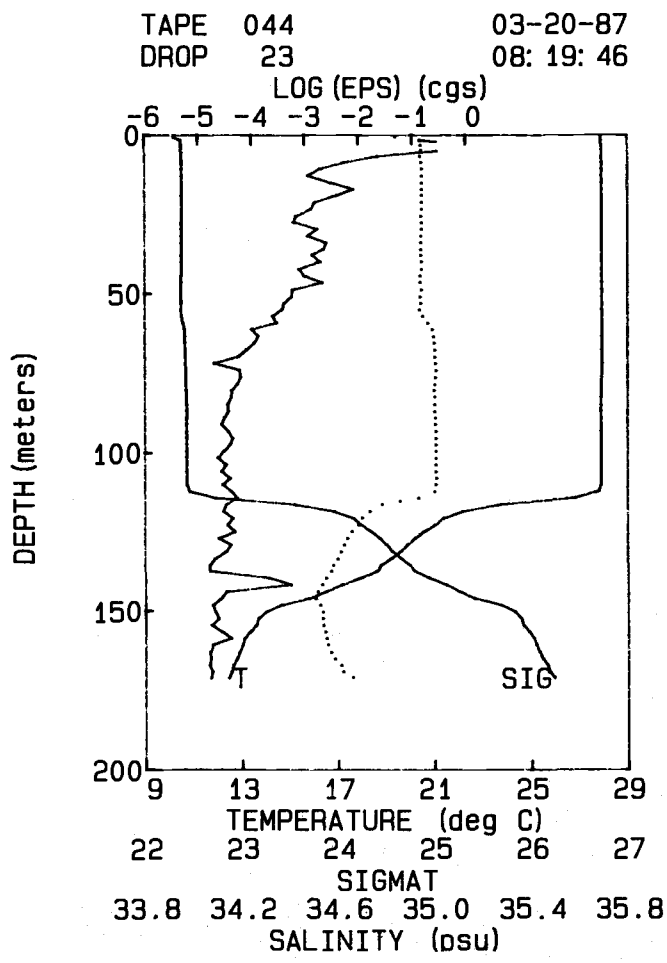
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 23
08: 19: 46
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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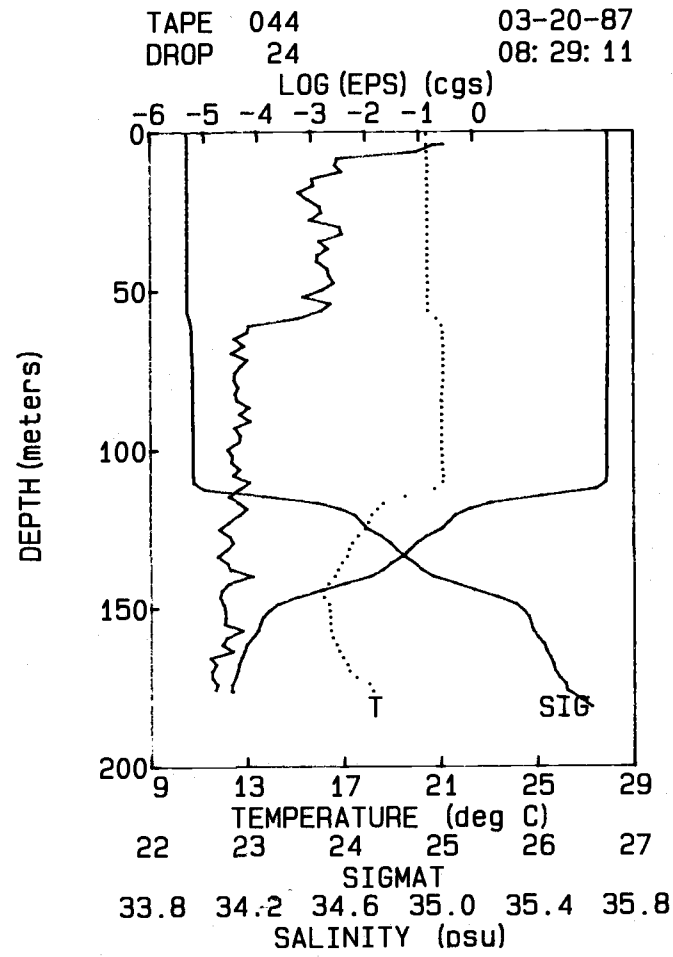
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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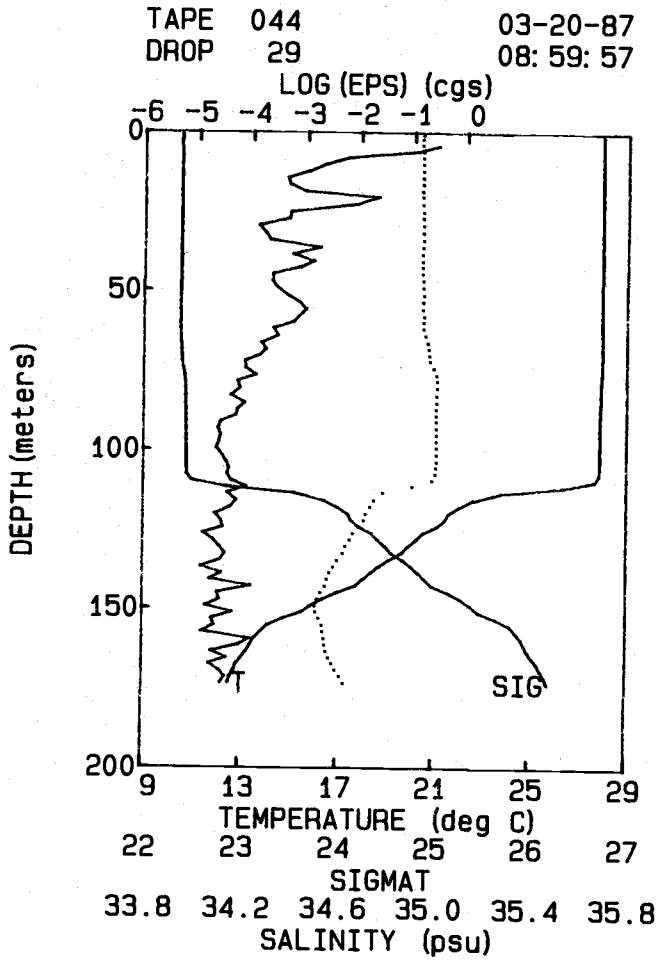
SALINITY (psu)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08: 59: 57
LOG (EPS) (cgs)
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DEPTH (meters)
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100
150
200
T
SIG
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TEMPERATURE (deg C)
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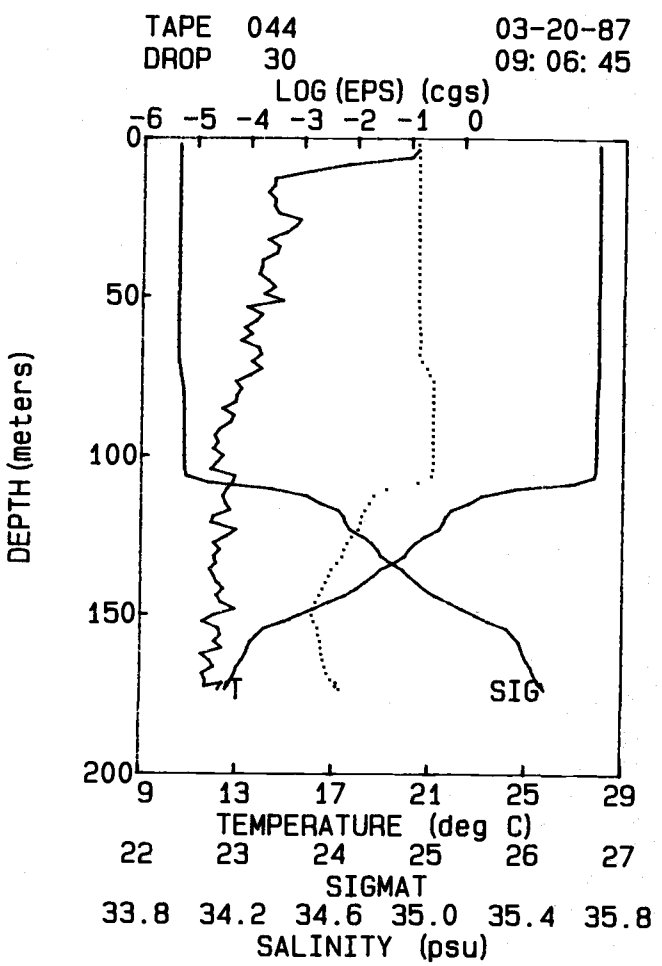
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
T
SIG
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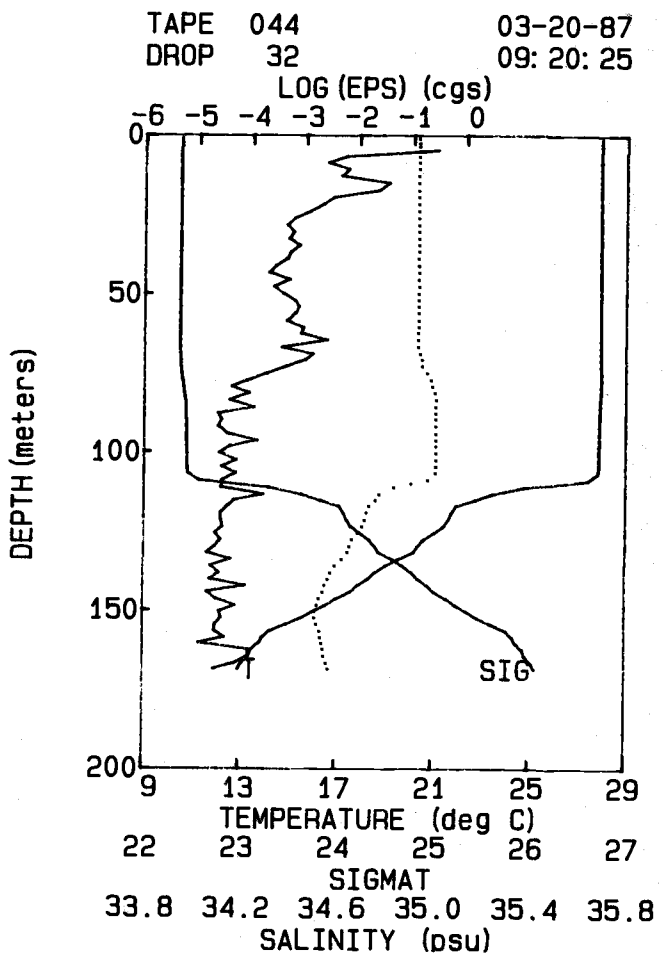
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-20-87
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LOG (EPS) (cgs)
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DEPTH (meters)
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100
150
200
T
SIG
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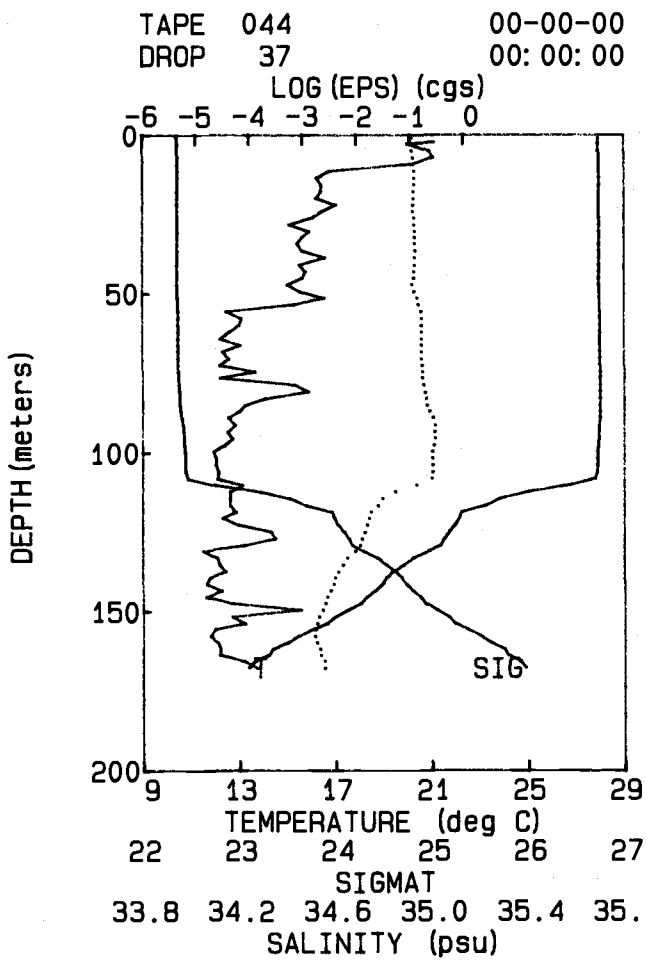
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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200
SIG
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TEMPERATURE (deg C)
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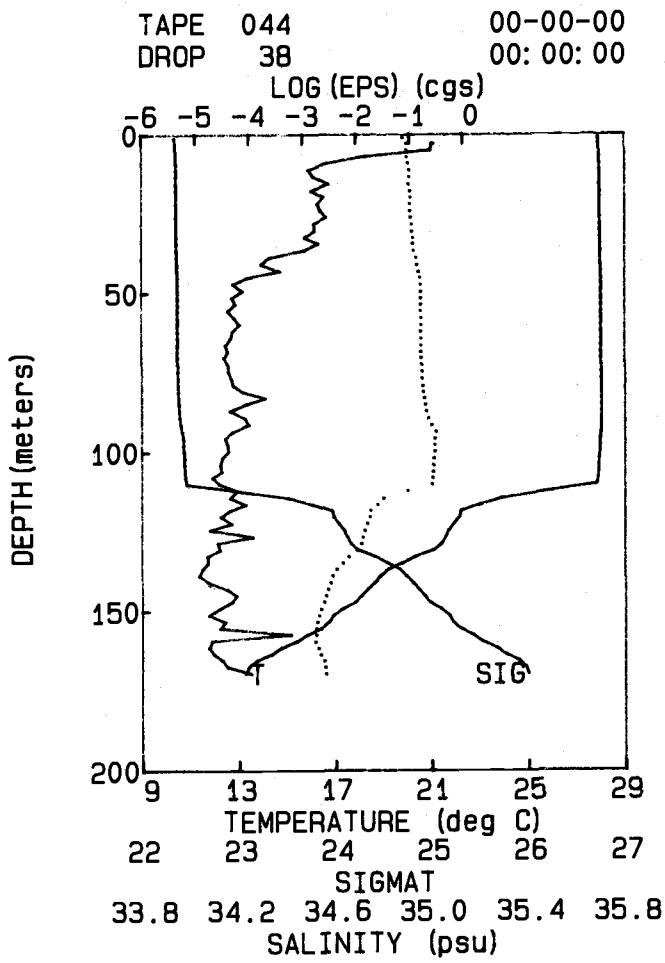
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
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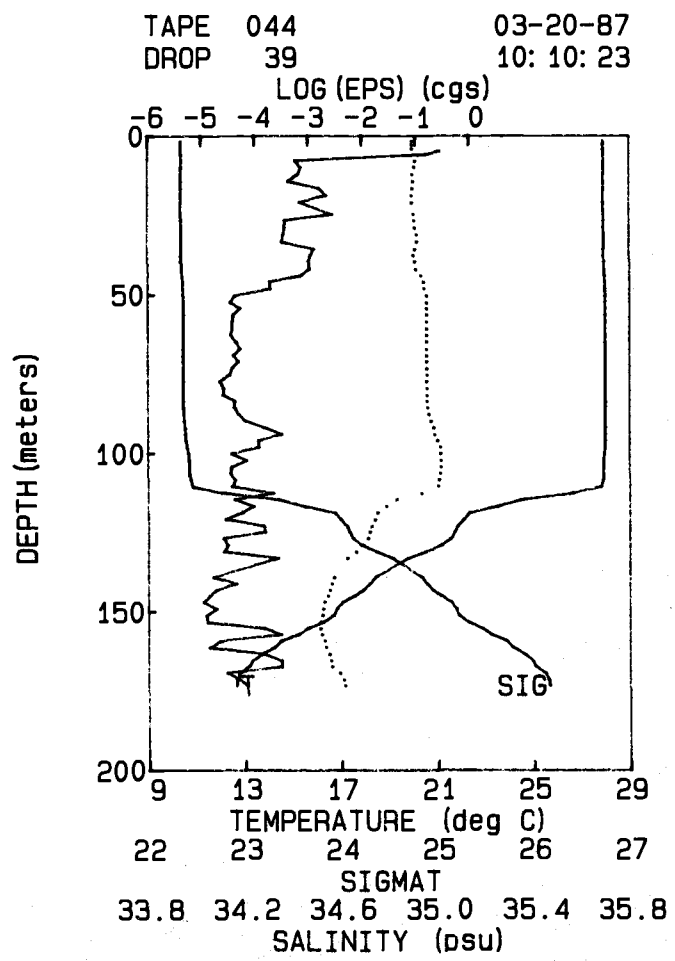
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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100
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200
SIG
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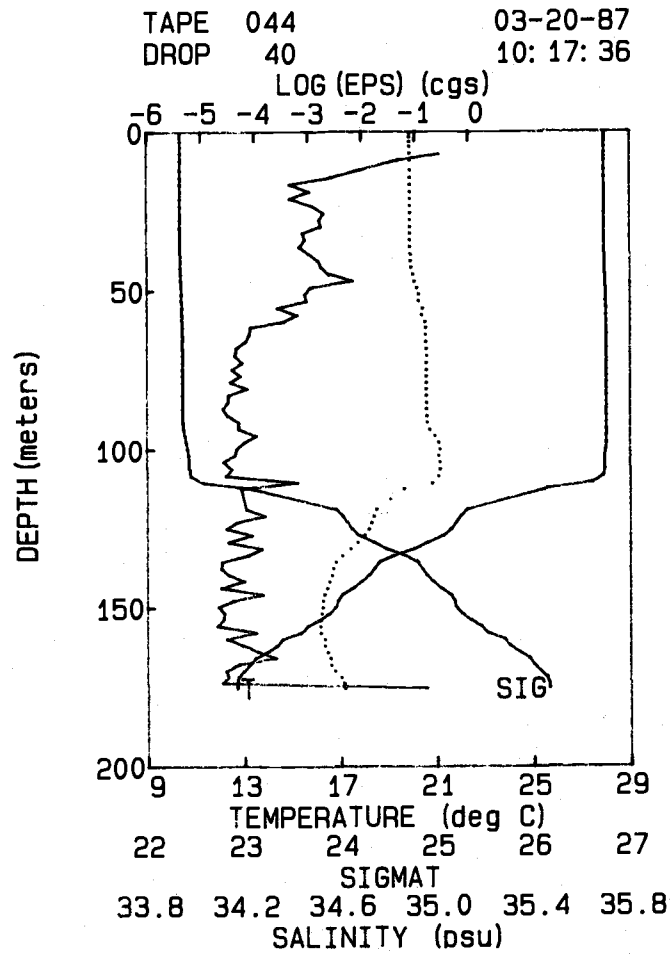
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
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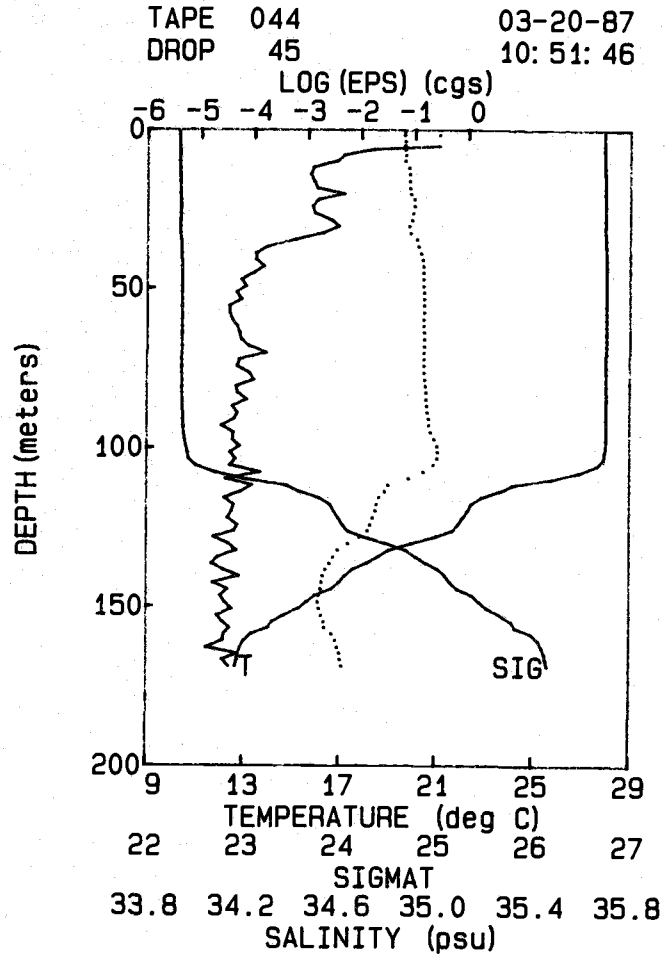
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
T
SIG
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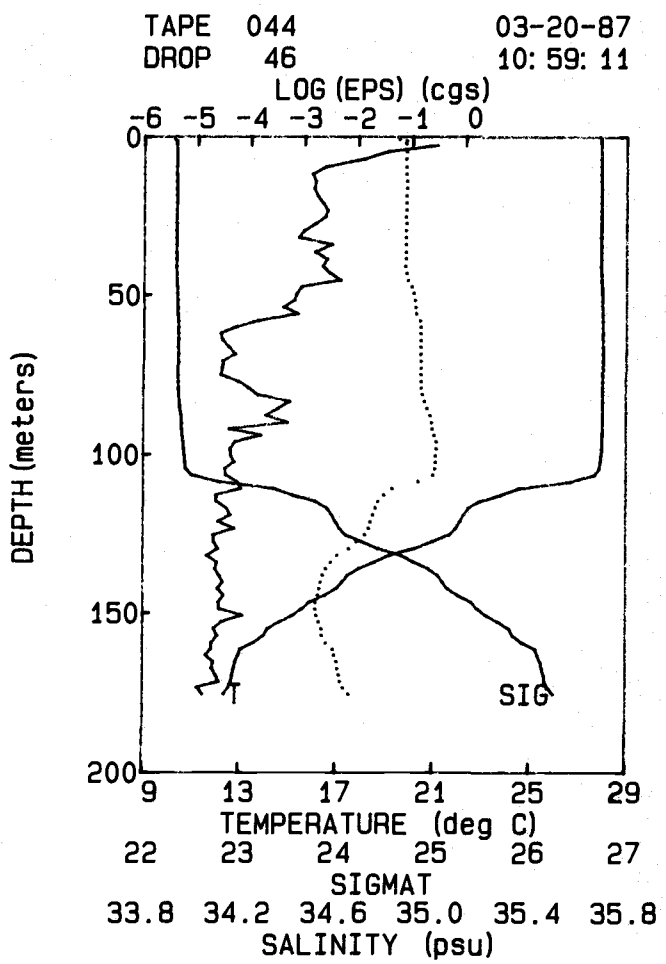
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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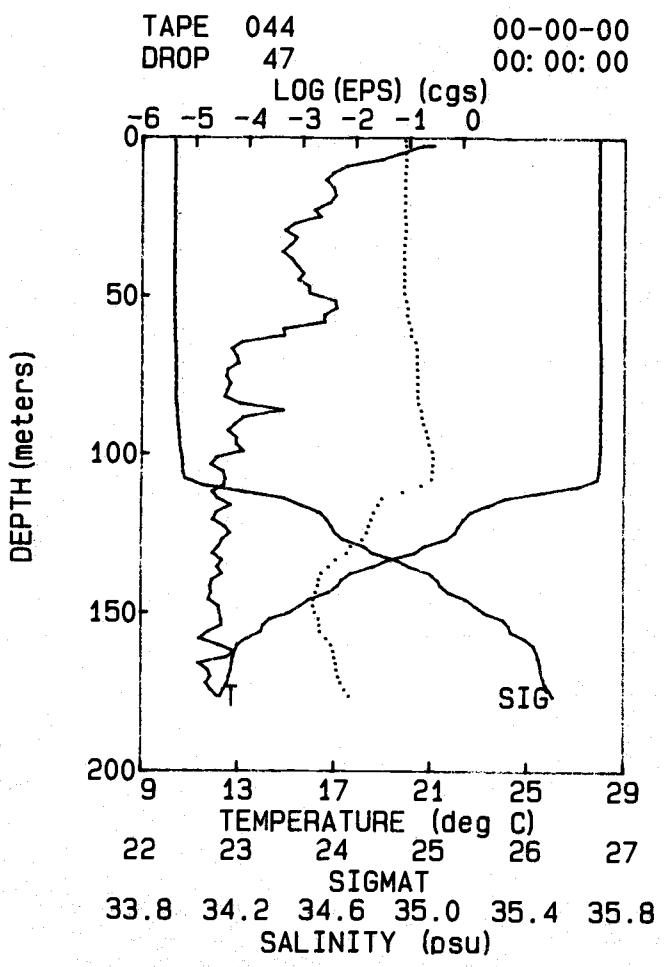
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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00-00-00
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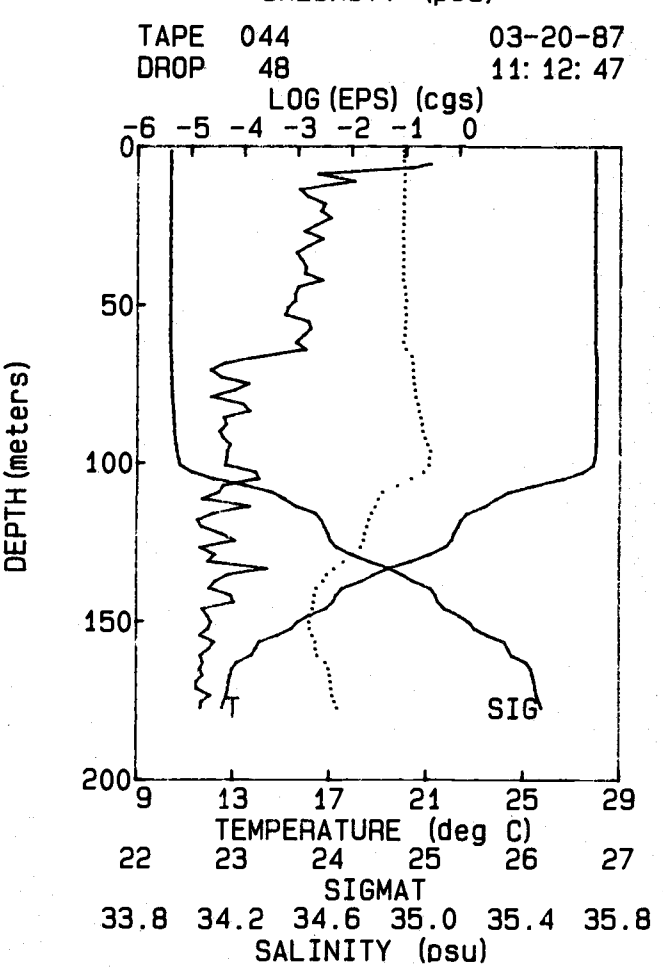
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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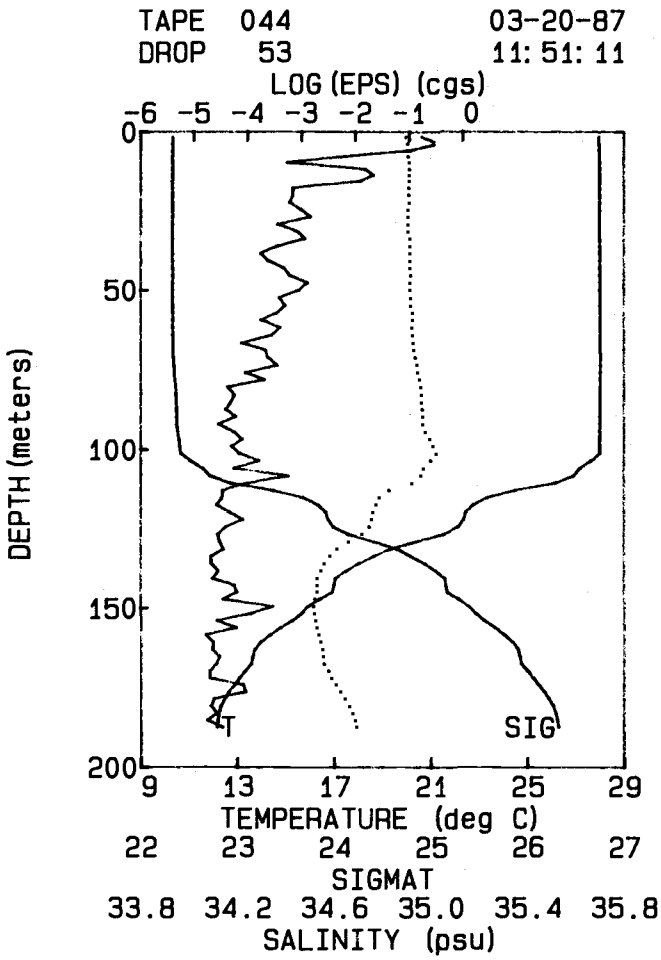
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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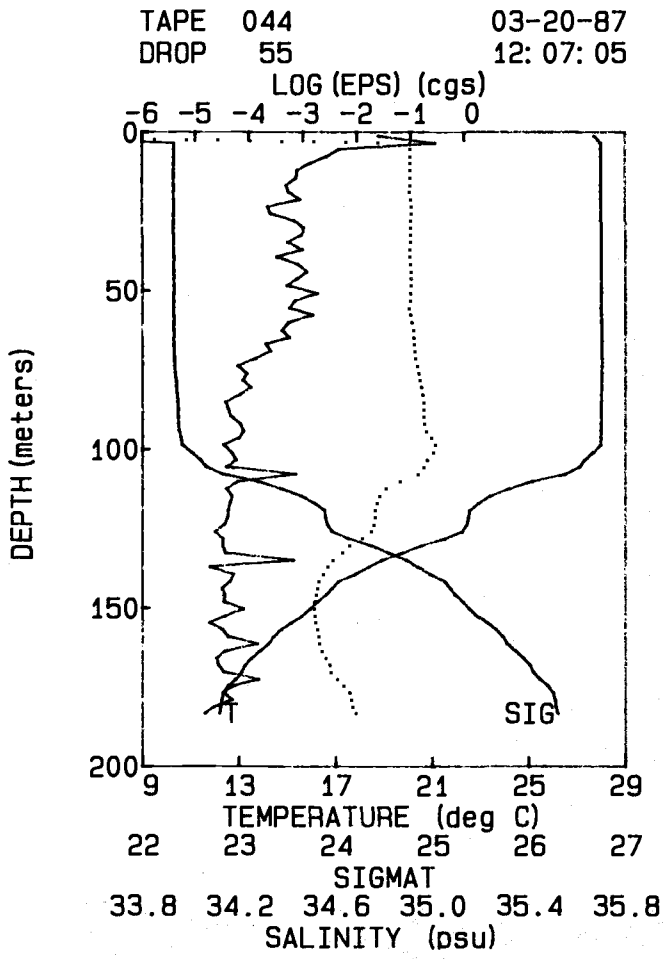
SALINITY (psu)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200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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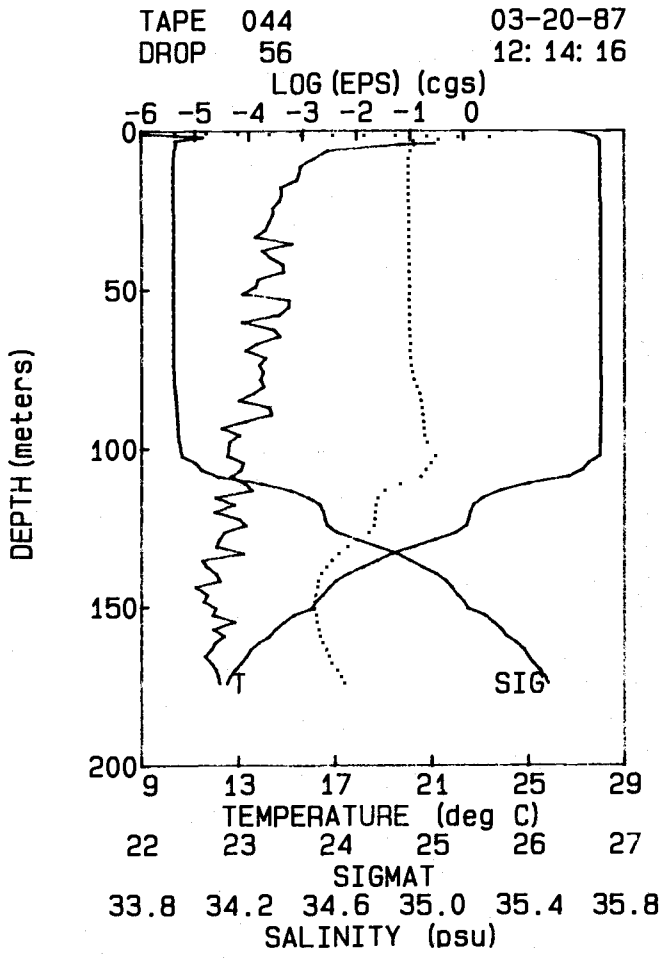
SALINITY (psu)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DEPTH (meters)
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150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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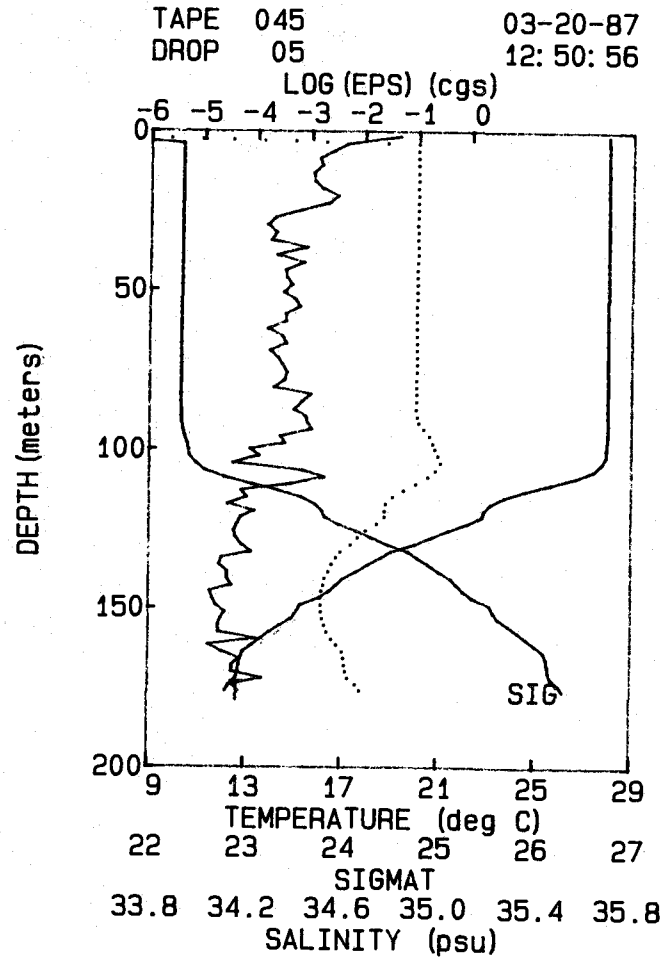
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200
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TEMPERATURE (deg C)
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SIGMAT
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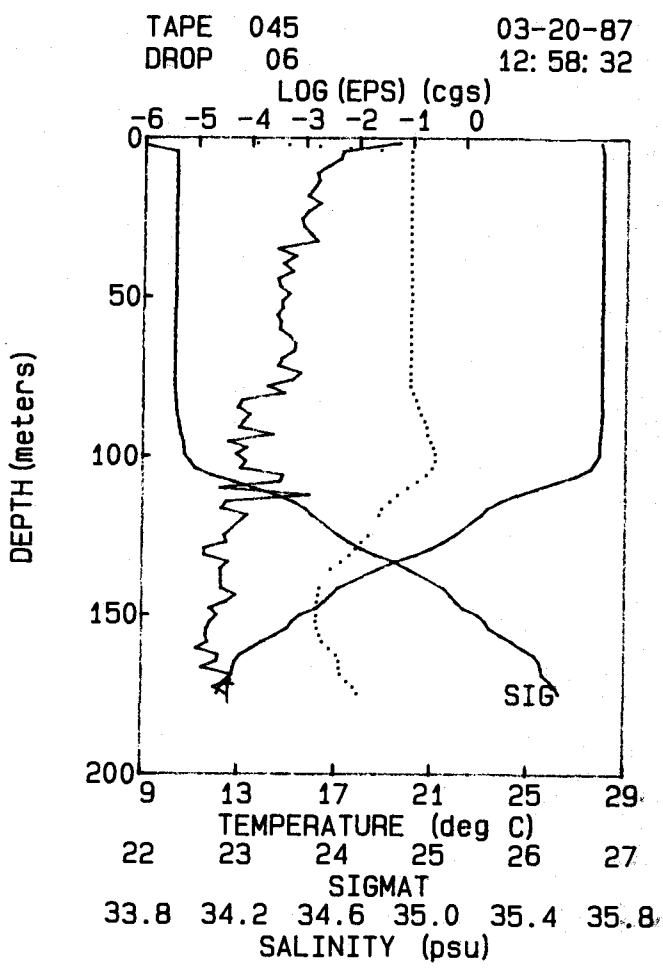
SALINITY (psu)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DEPTH (meters)
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100
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SIG
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SIGMAT
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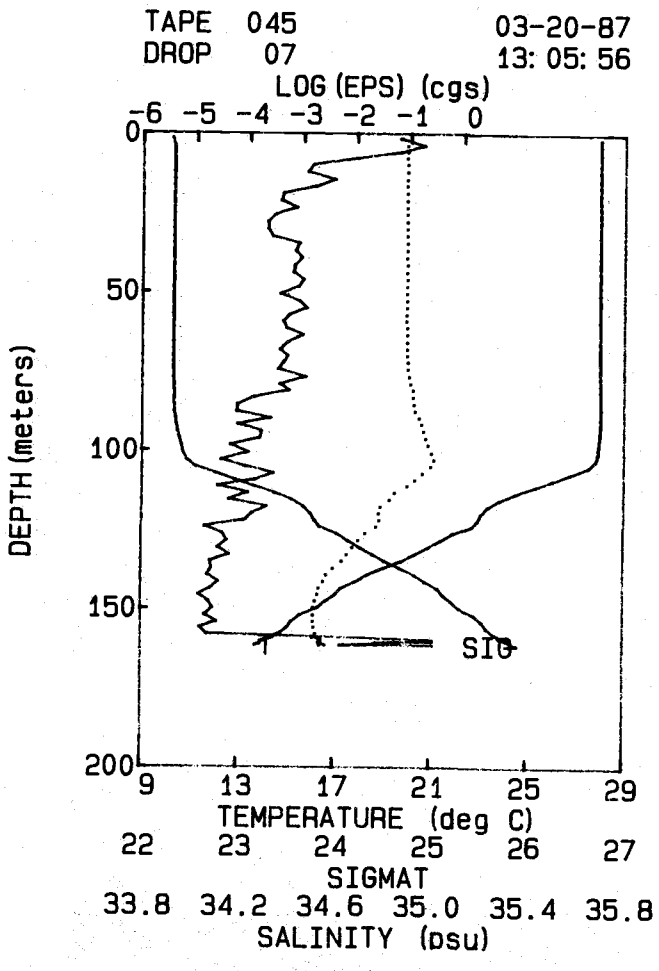
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100
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SIGMAT
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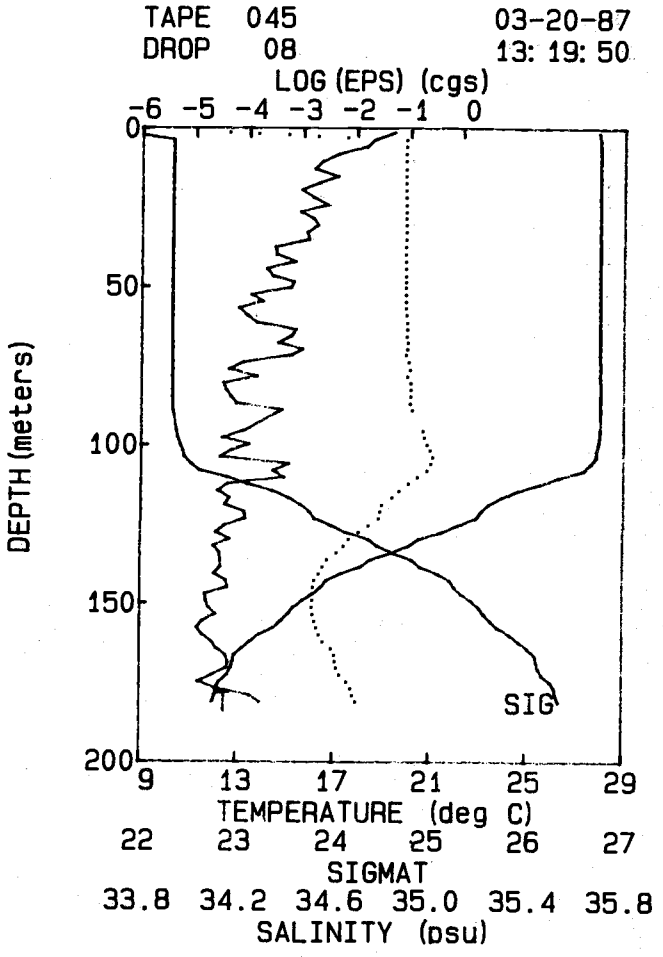
SALINITY (psu)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SIGMAT
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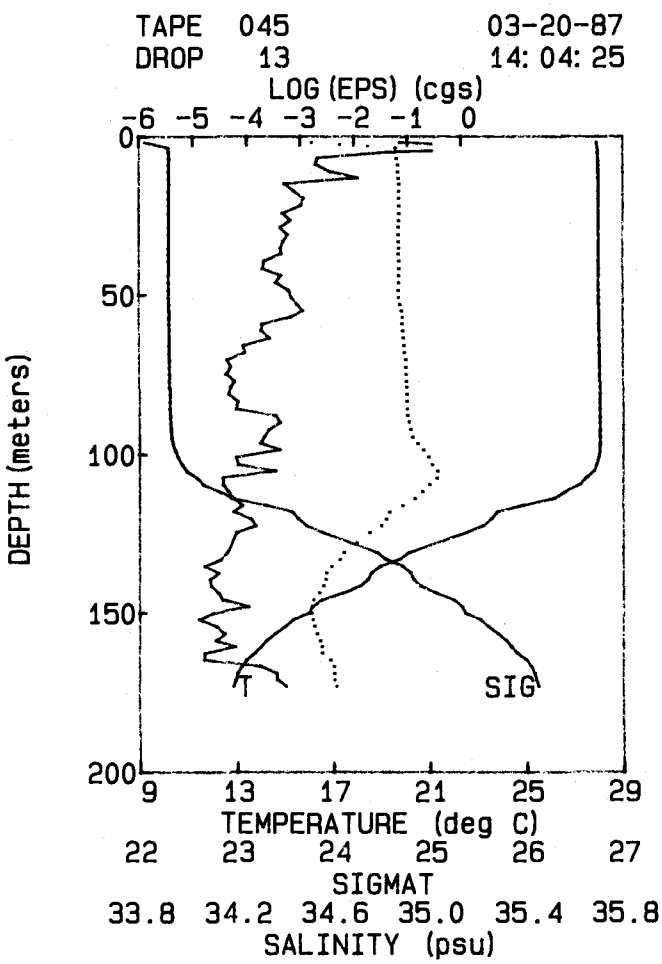
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DEPTH (meters)
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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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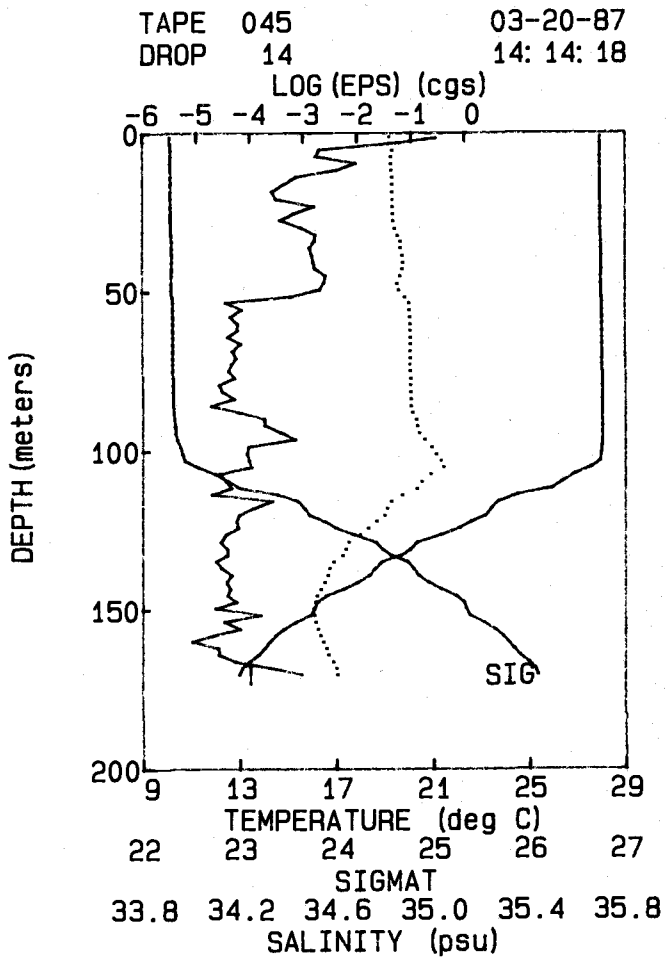
SALINITY (psu)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150
200
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SIGMAT
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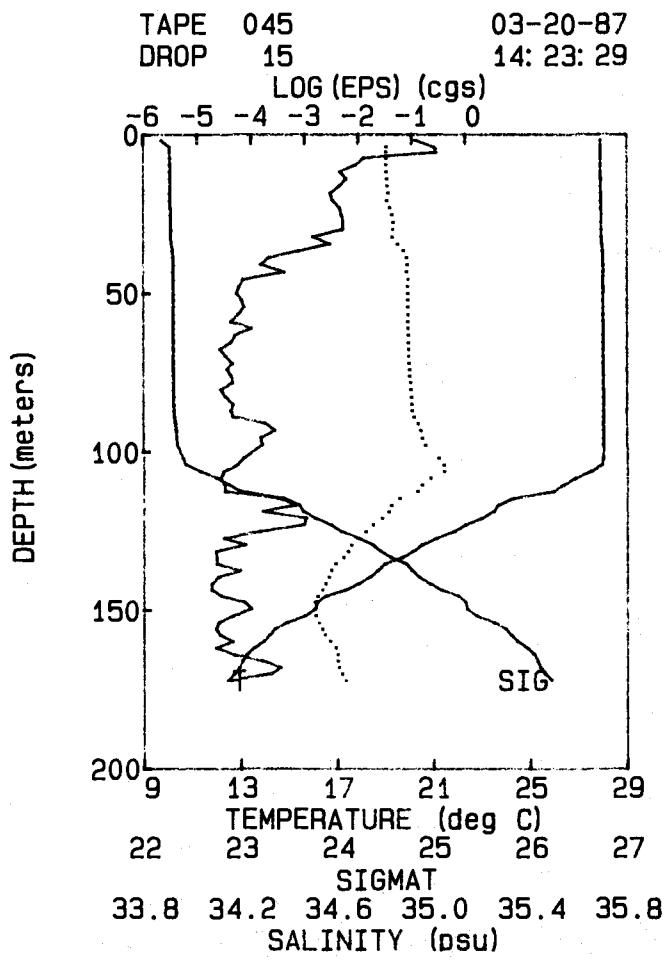
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
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TEMPERATURE (deg C)
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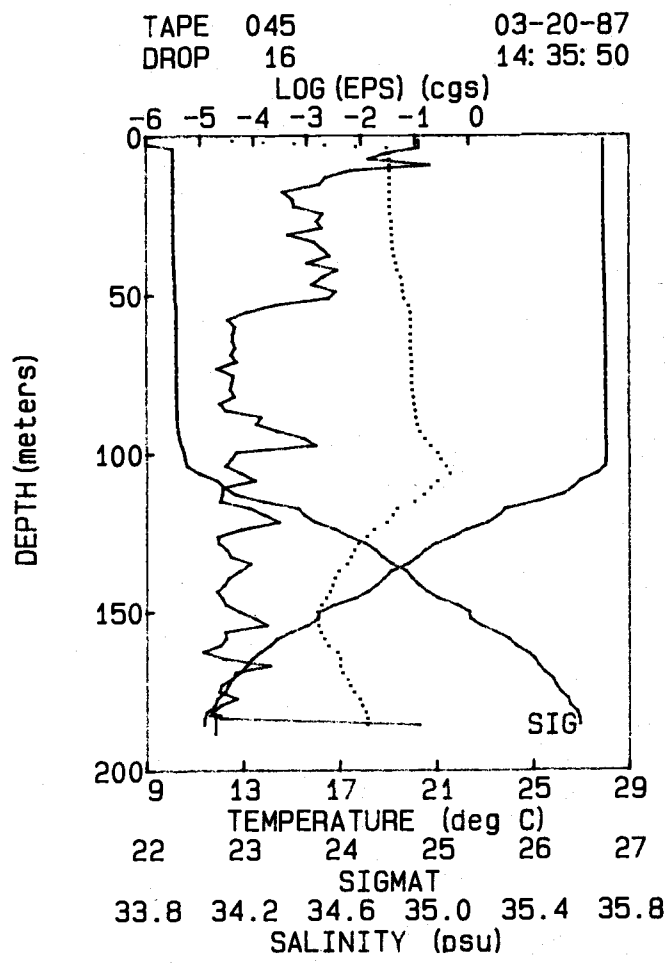
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
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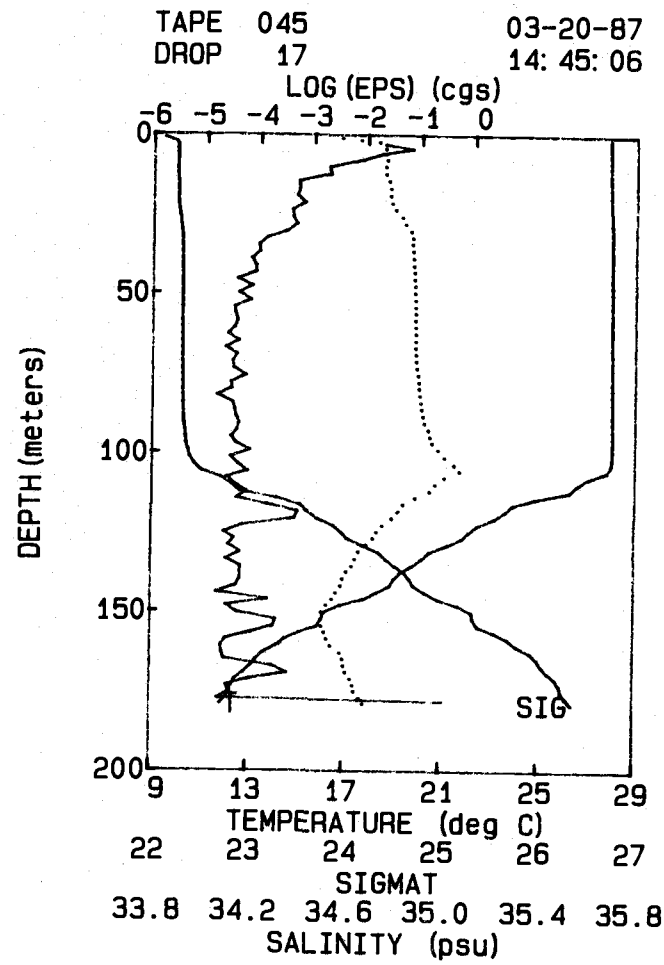
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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SIG
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SIGMAT
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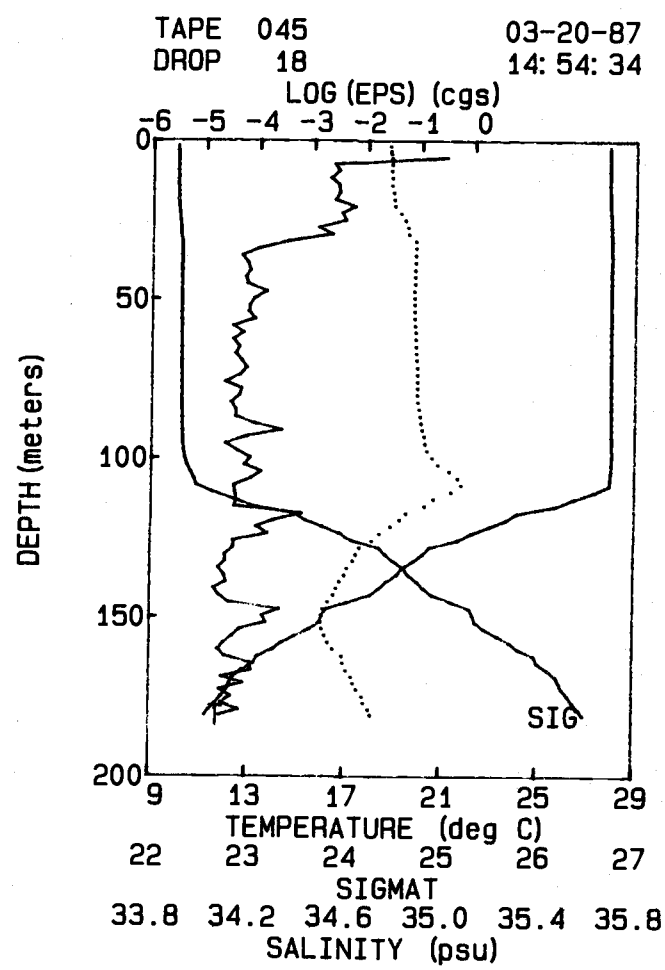
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DEPTH (meters)
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100
150
200
SIG
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TEMPERATURE (deg C)
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SIGMAT
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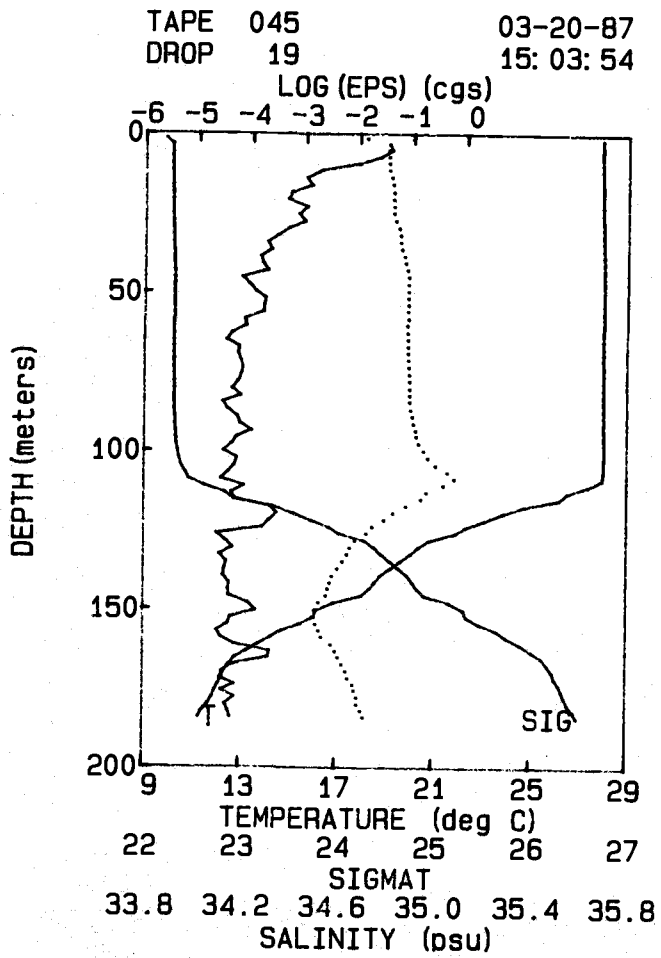
SALINITY (psu)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SIG
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TEMPERATURE (deg C)
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SIGMAT
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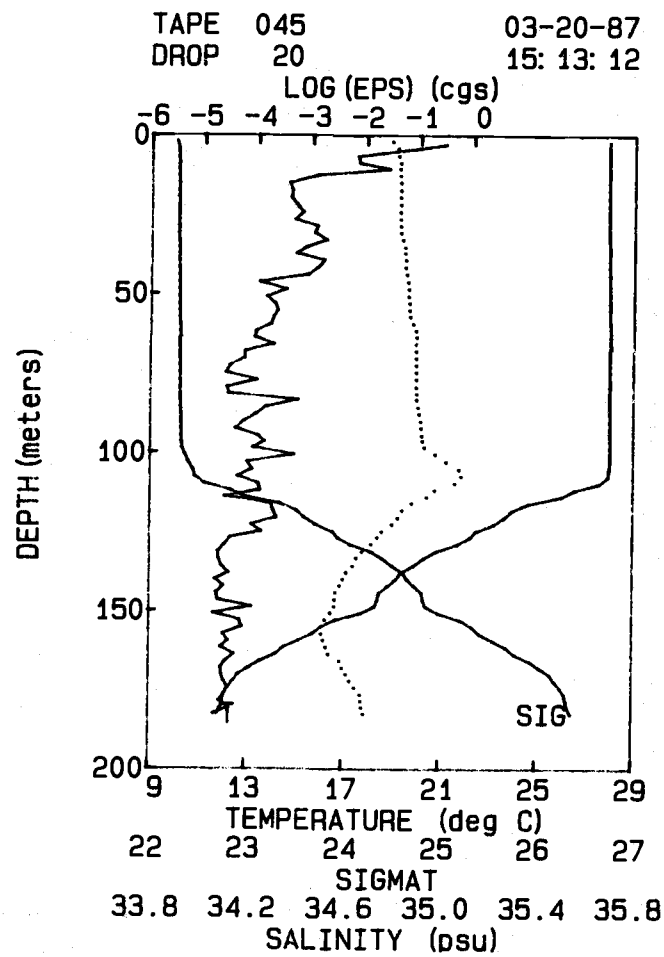
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SIGMAT
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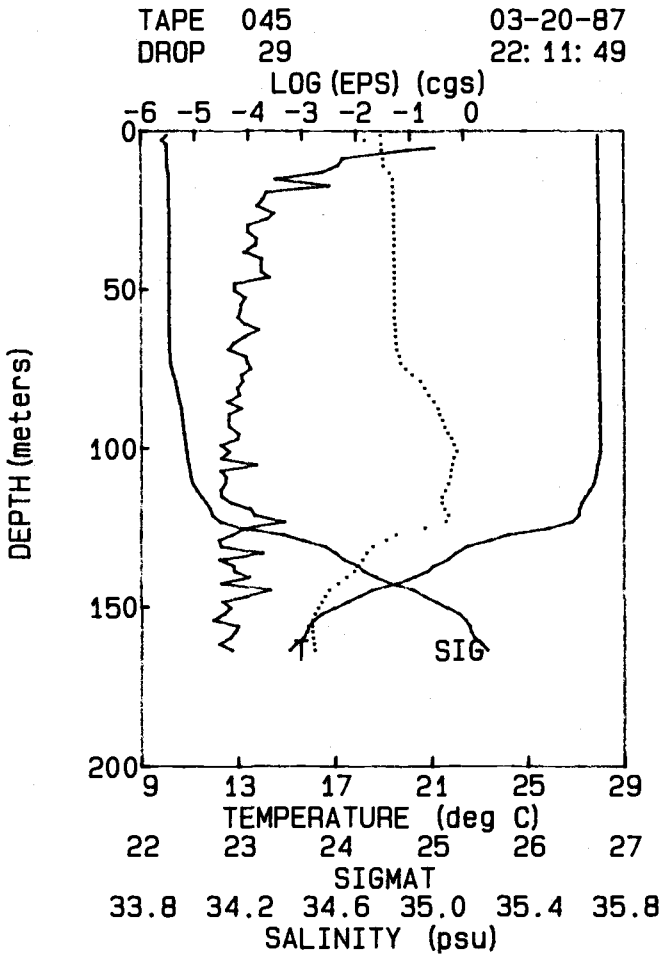
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100
150
200
T
SIG
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SIGMAT
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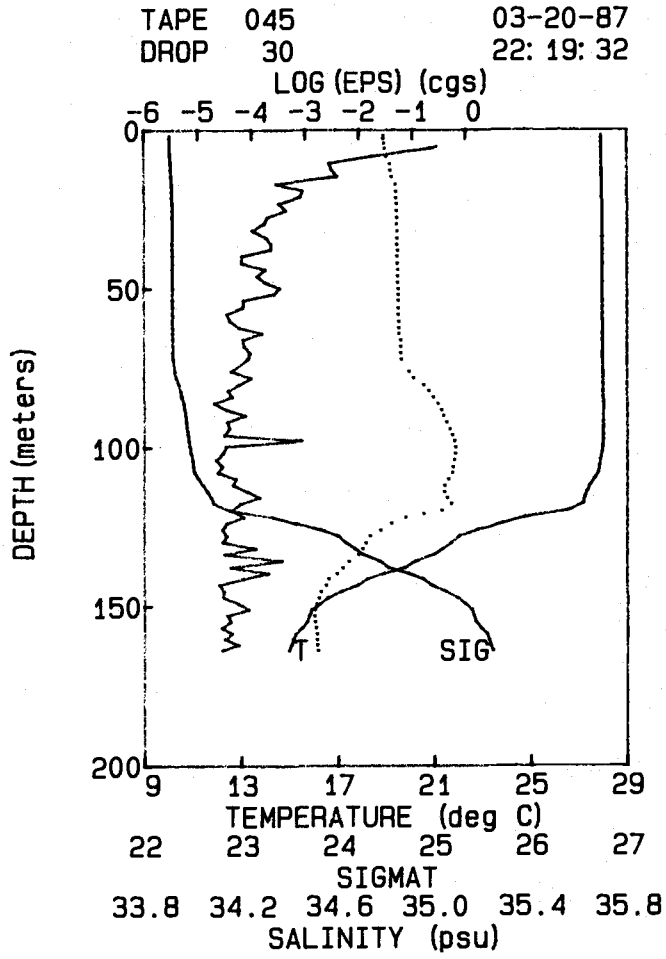
SALINITY (psu)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200
T
SIG
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SIGMAT
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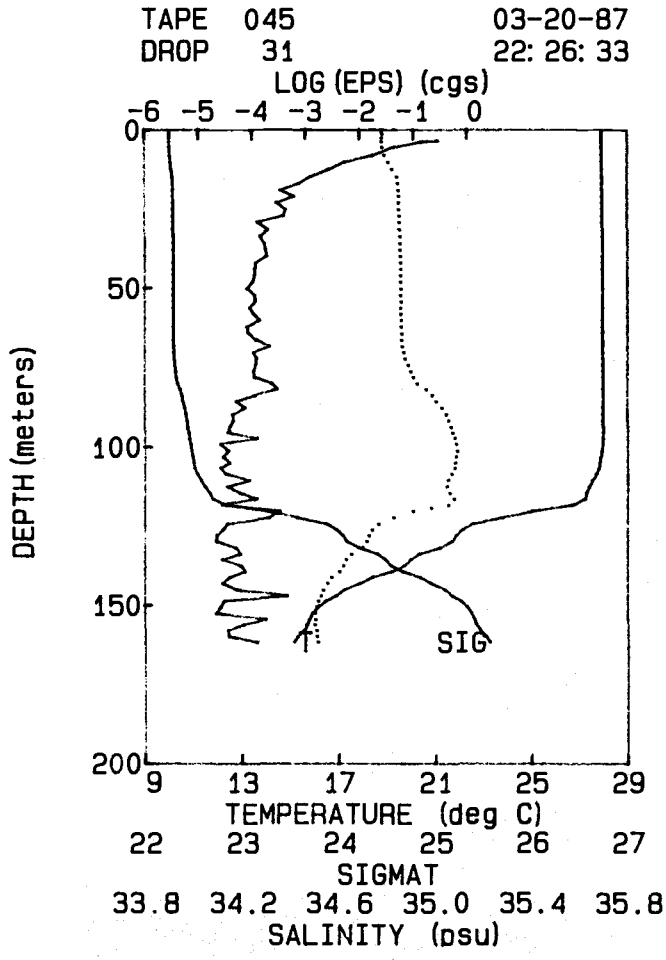
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200
T
SIG
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SIGMAT
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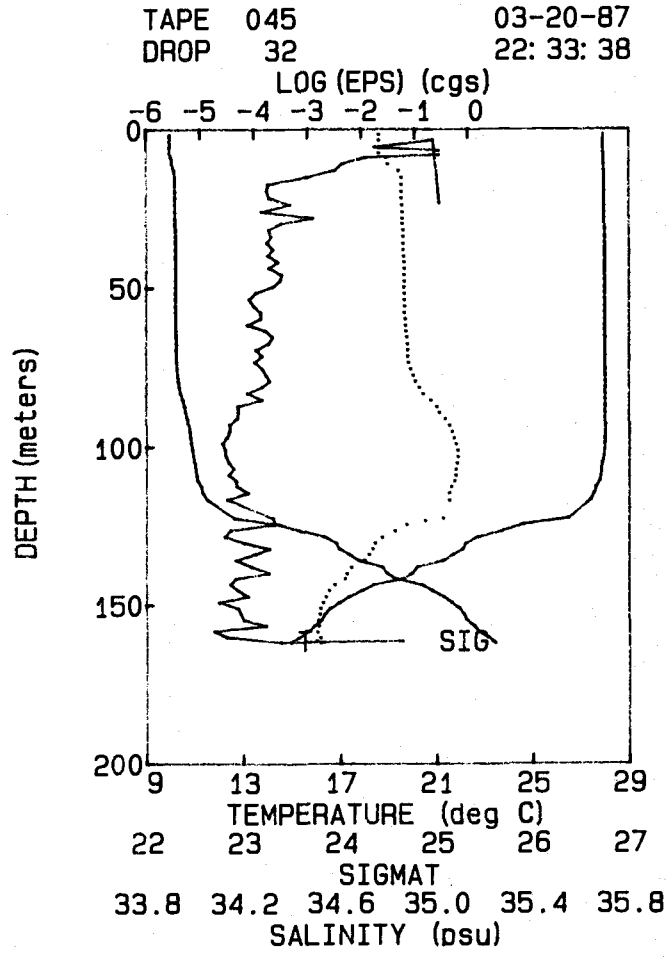
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T
SIG
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SIGMAT
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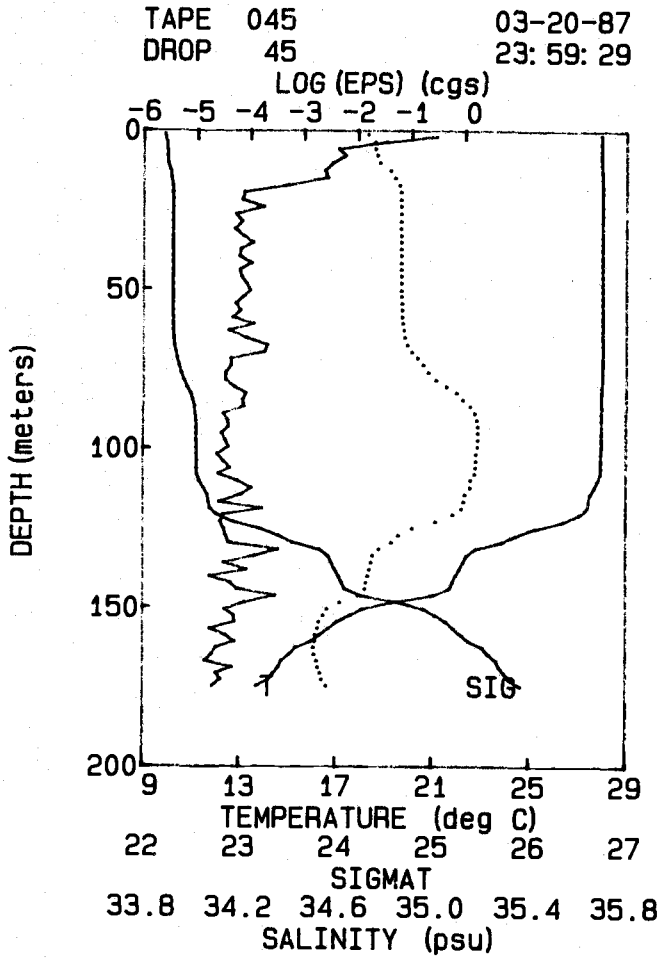
SALINITY (psu)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SIGMAT
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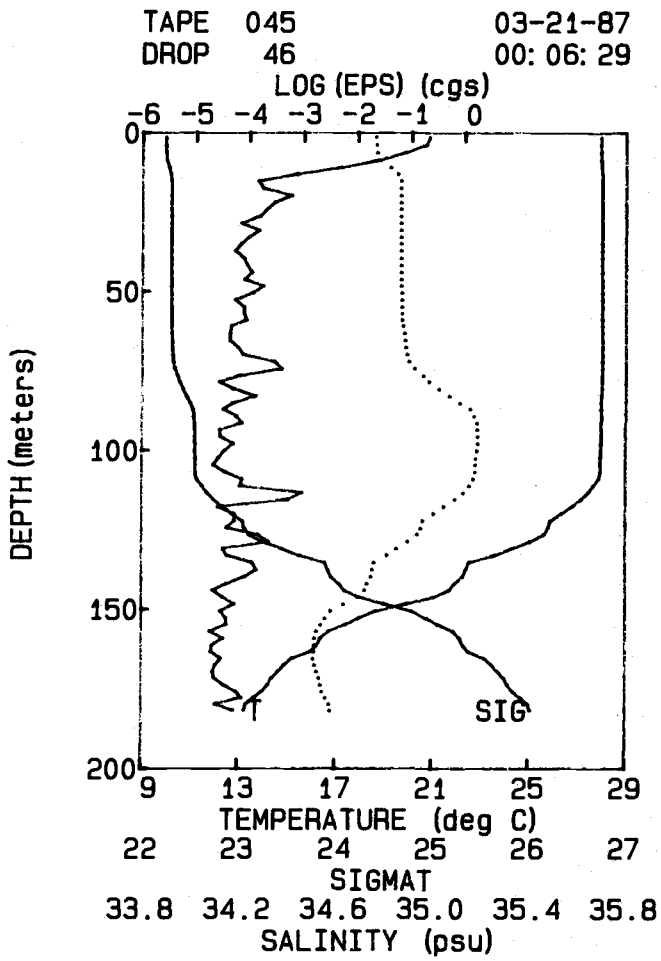
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SIGMAT
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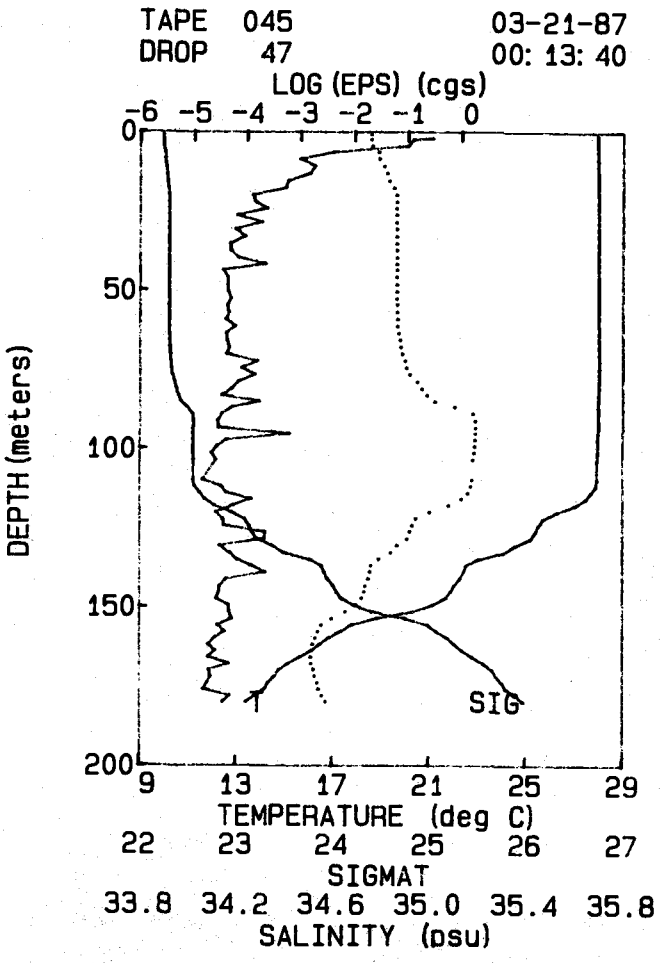
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SIGMAT
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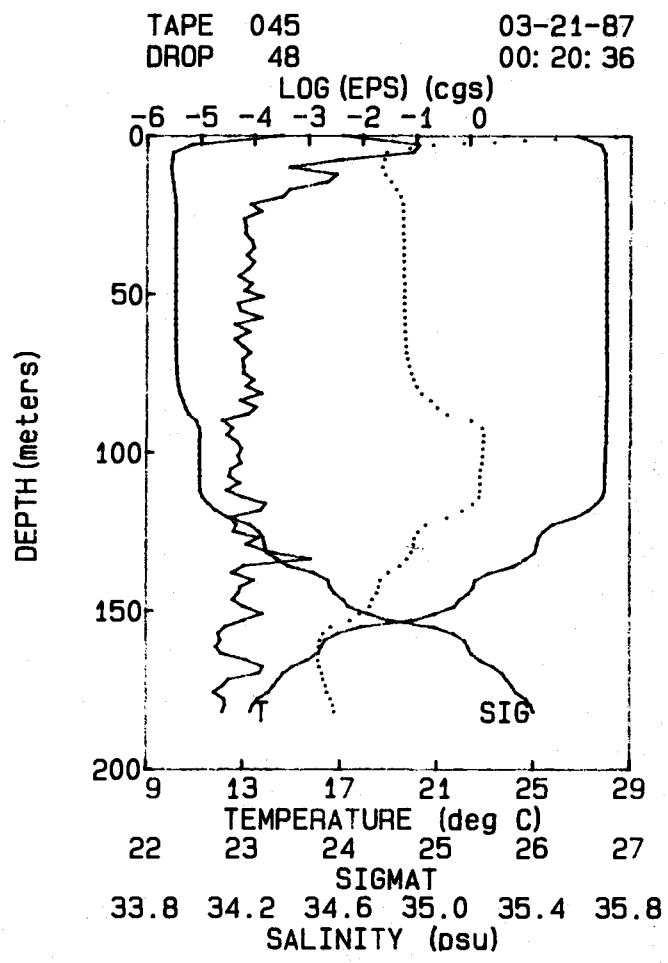
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SIGMAT
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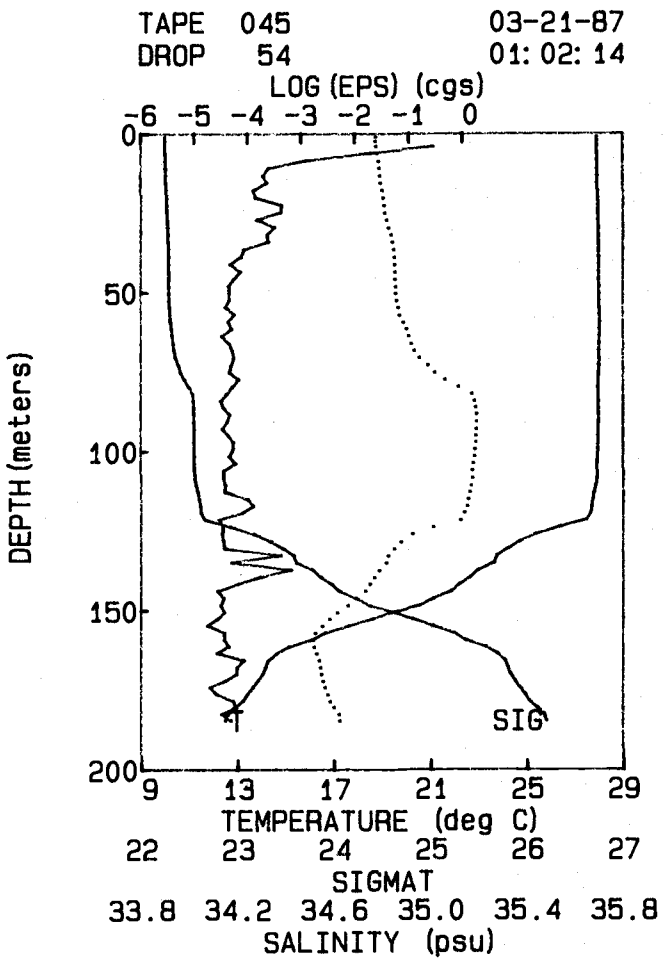
SALINITY (psu)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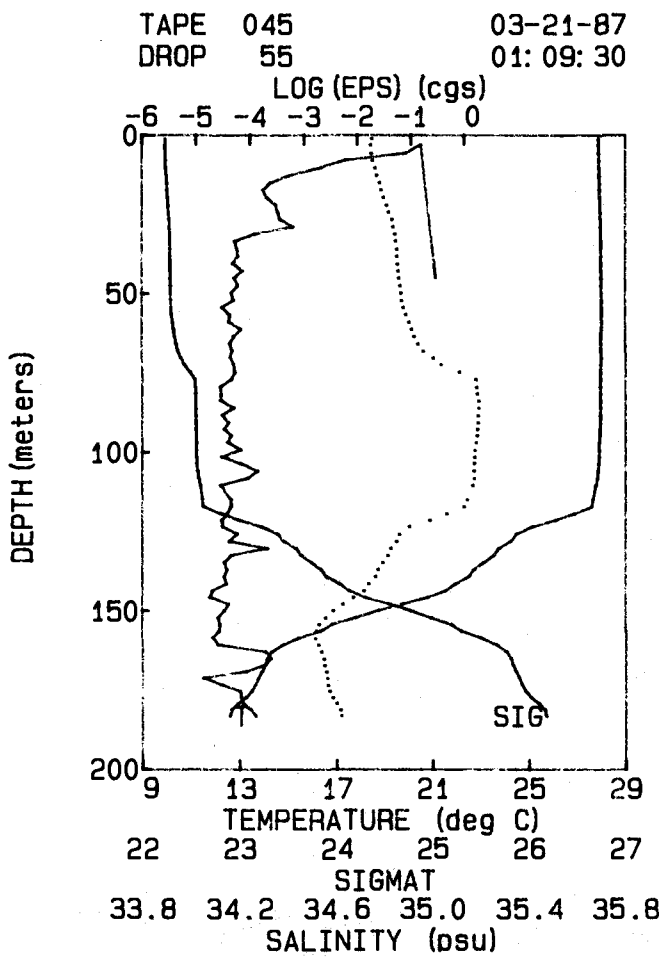
SALINITY (psu)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200
SIG
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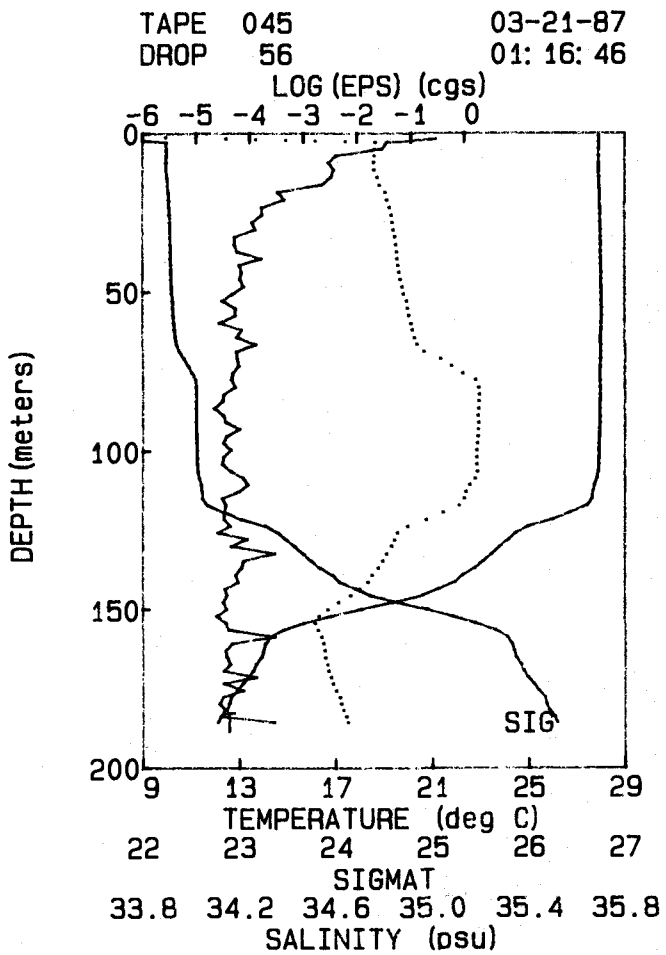
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SIG
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SIGMAT
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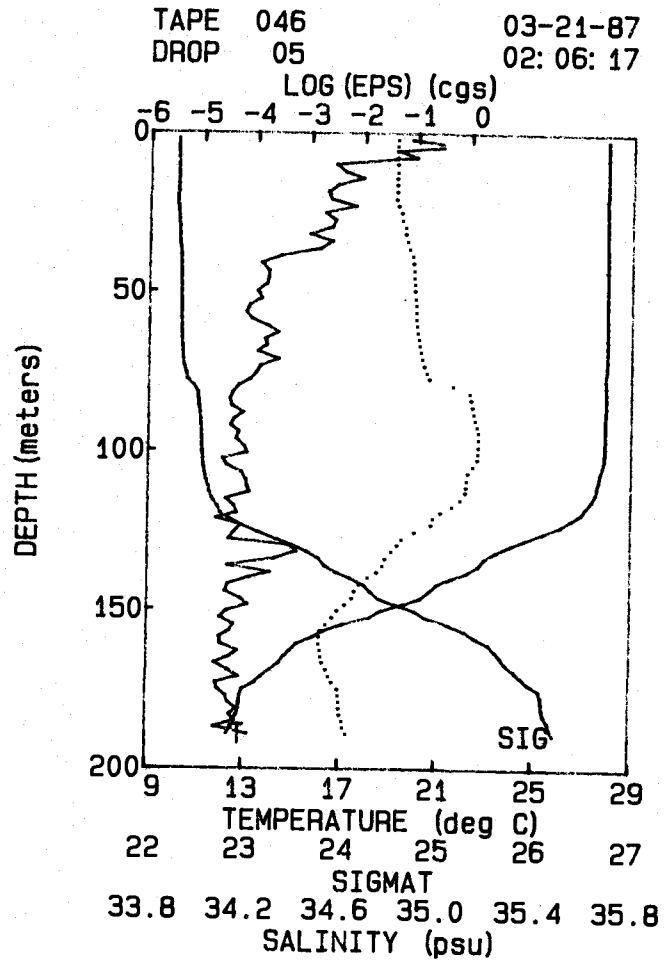
SALINITY (psu)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SIGMAT
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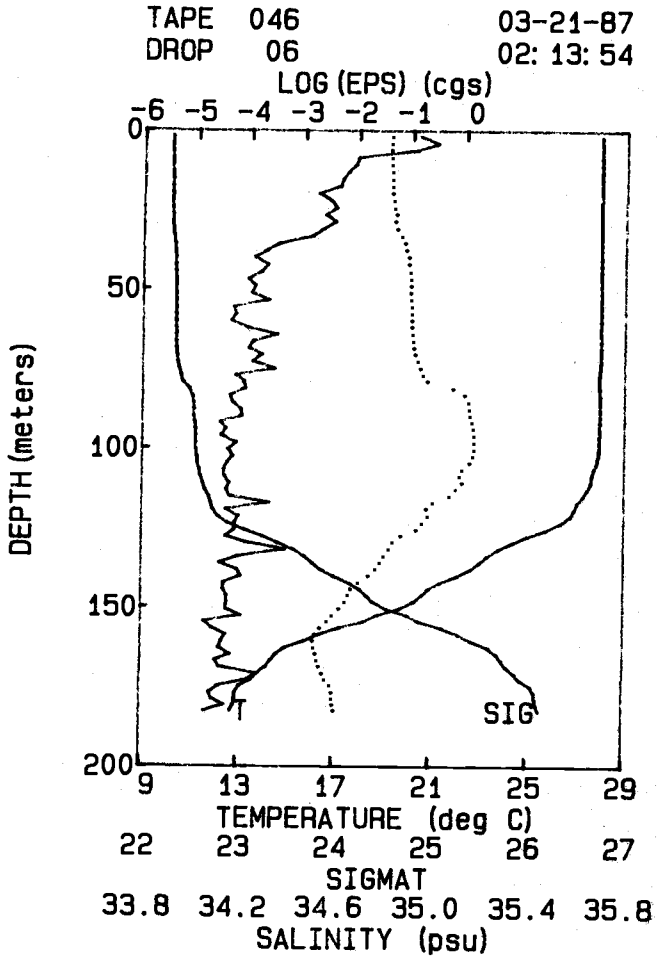
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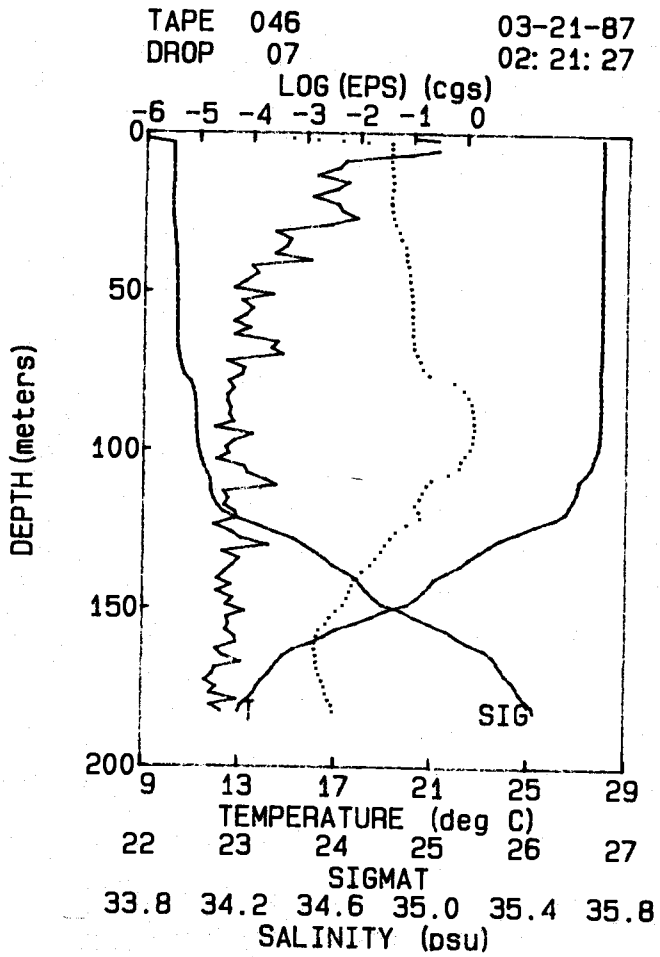
02: 13: 54
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-21-87
02: 21: 27
LOG (EPS) (cgs)
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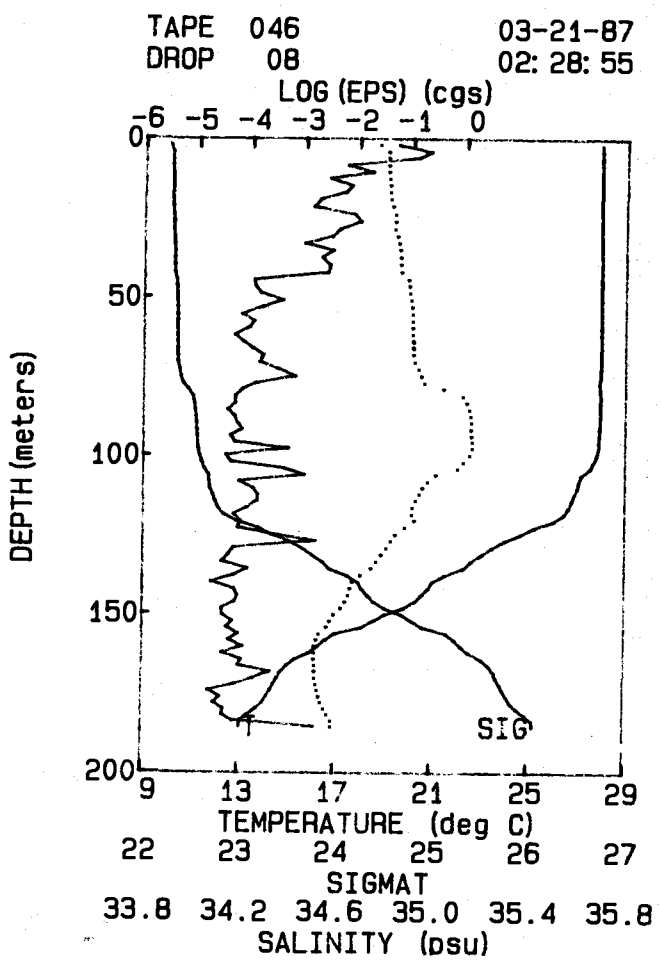
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-21-87
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LOG (EPS) (cgs)
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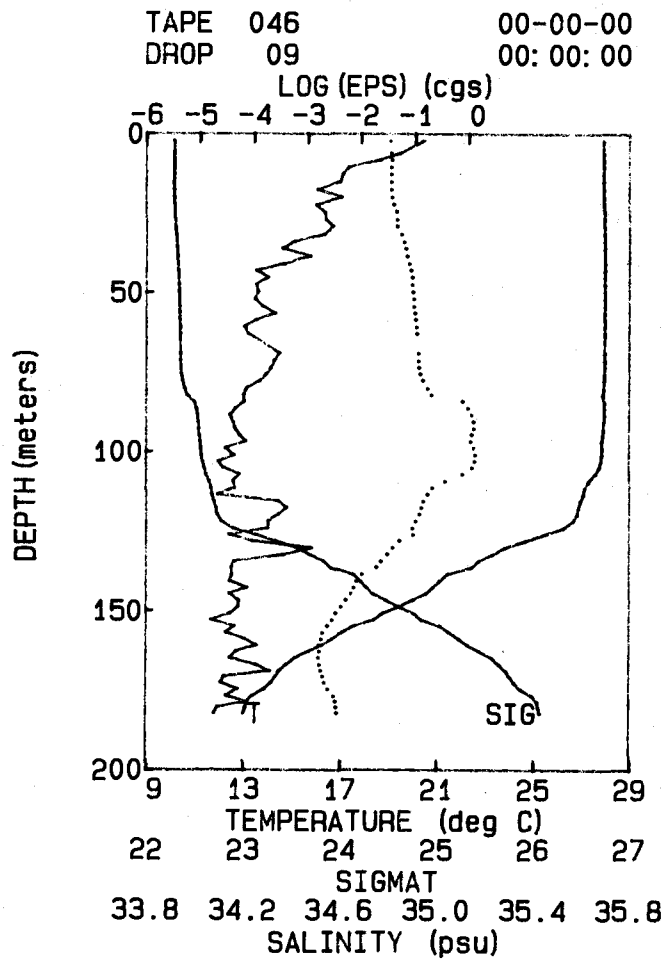
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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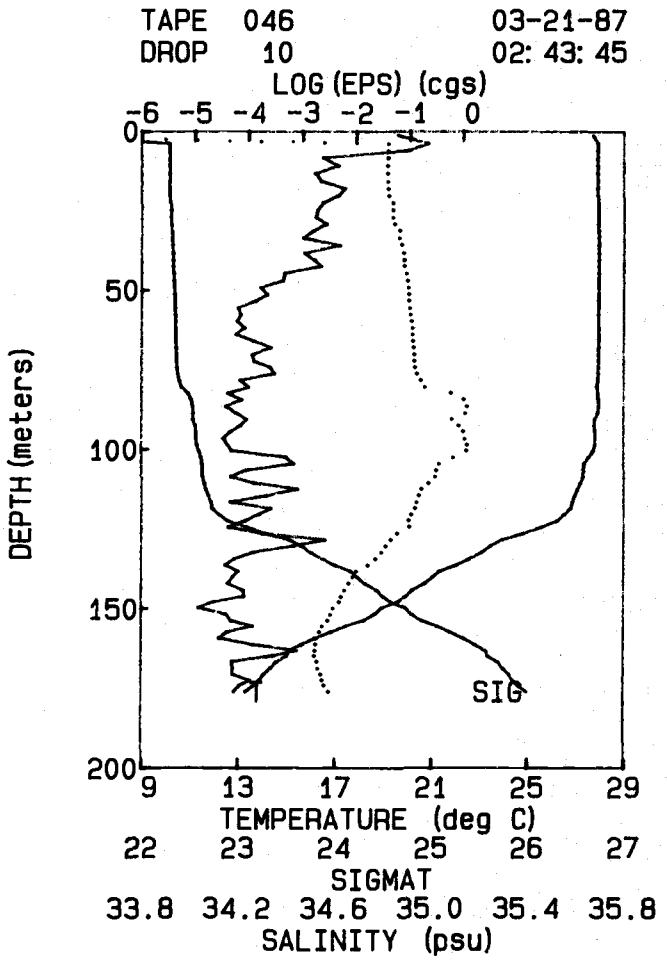
DROP 09
00-00-00
00: 00: 00
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-21-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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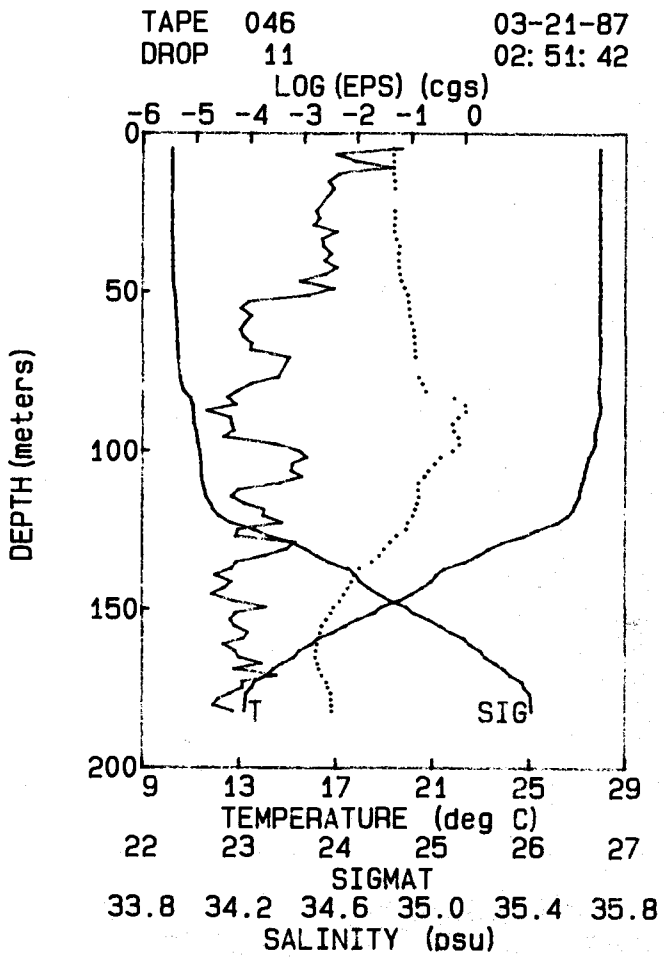
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 11
03-21-87
02: 51: 42
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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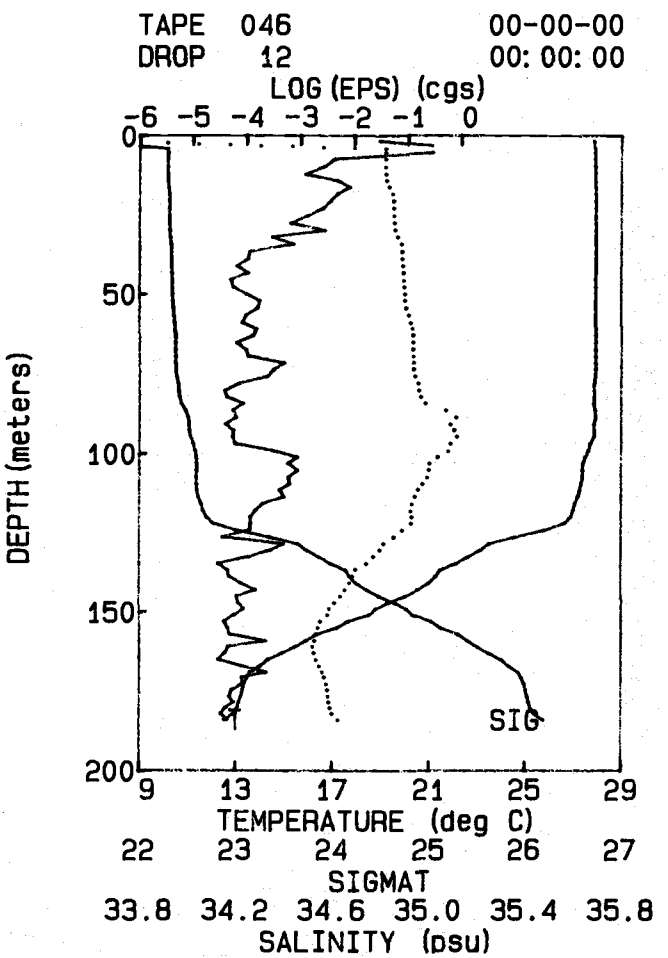
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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00: 00: 00
LOG (EPS) (cgs)
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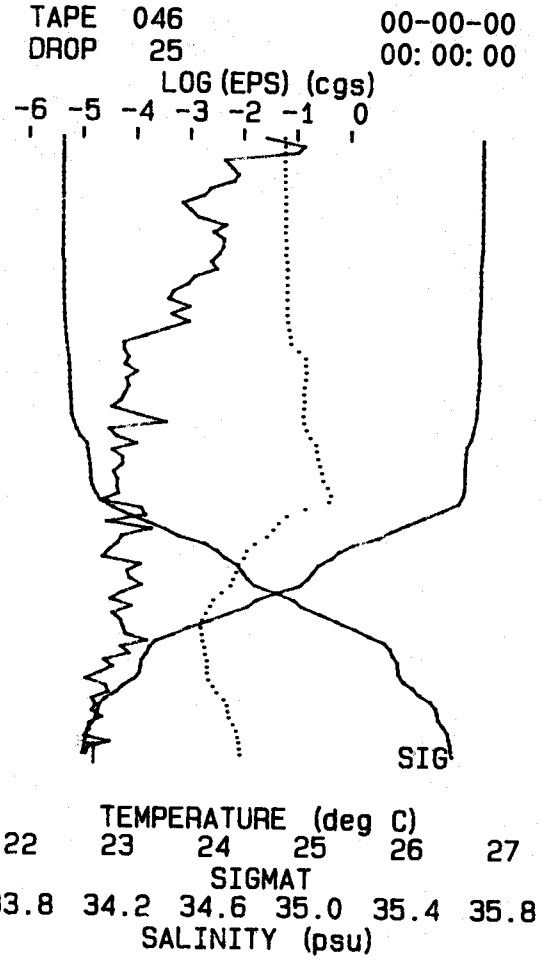
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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00: 00: 00
LOG (EPS) (cgs)
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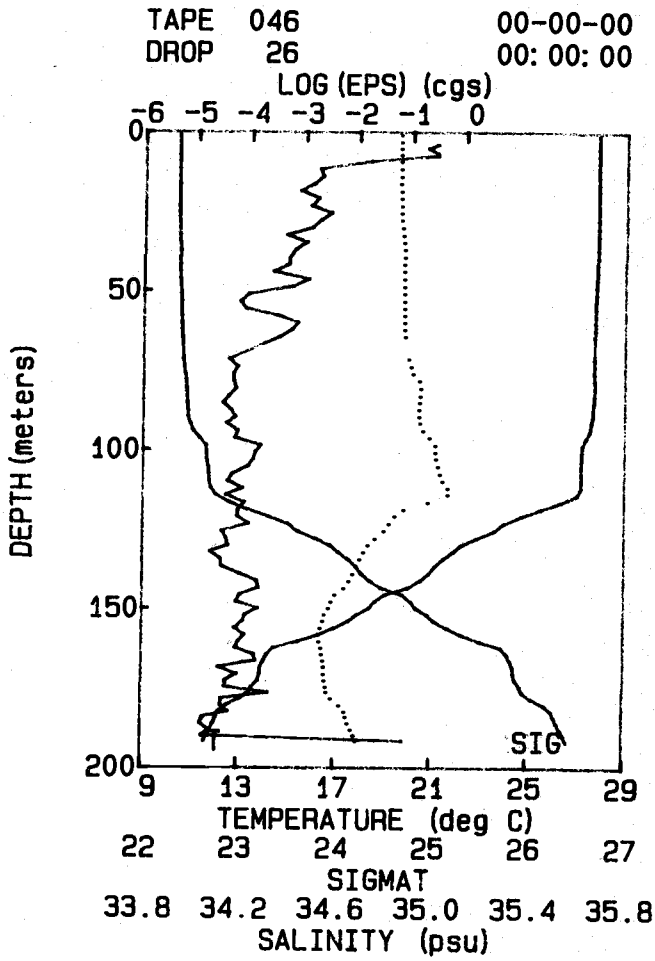
SIG
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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00: 00: 00
LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIG
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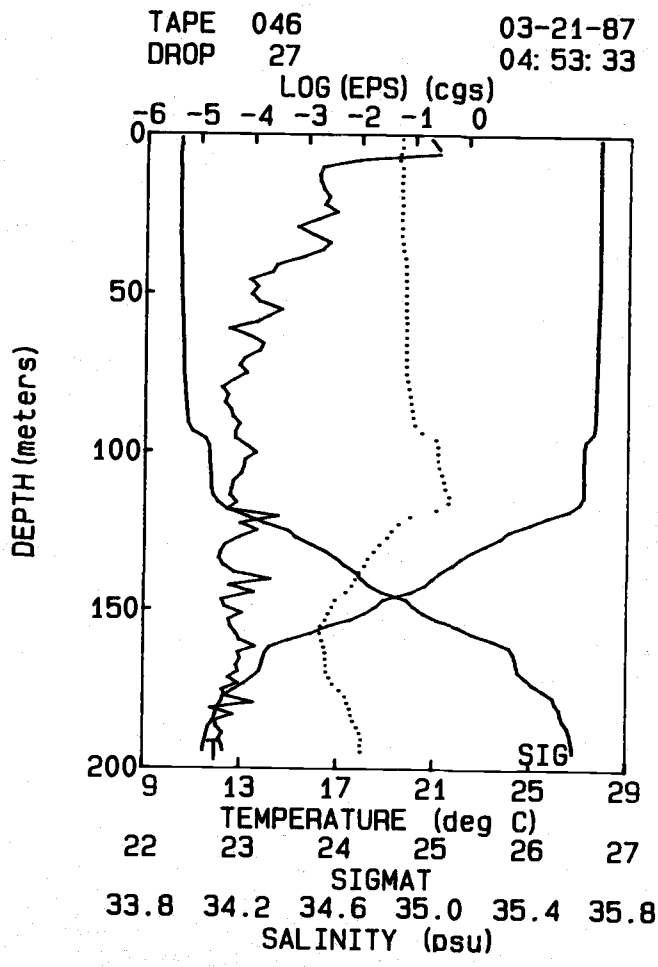
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 27
03-21-87
04: 53: 33
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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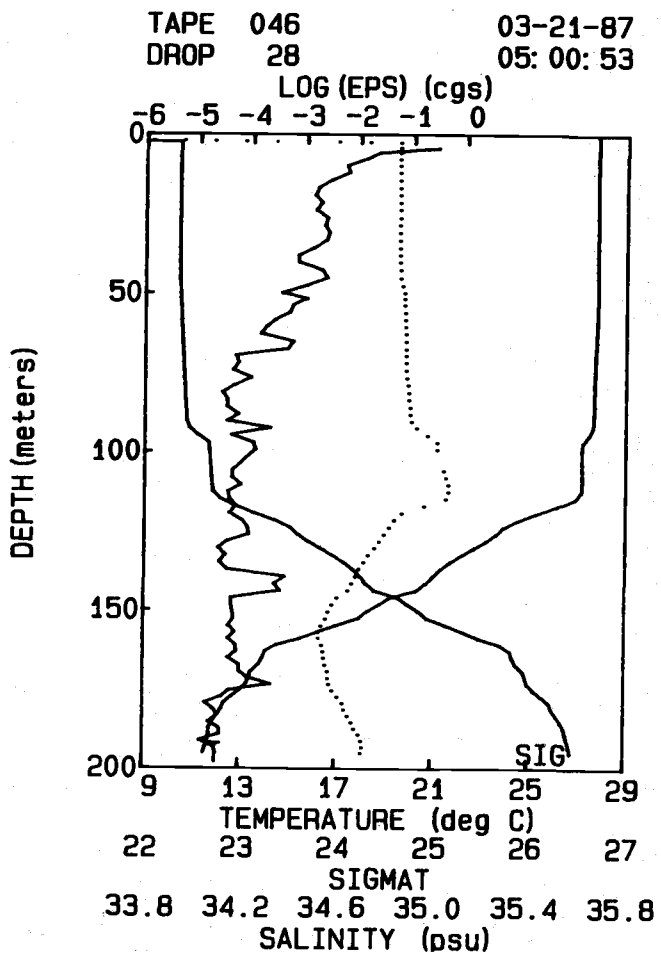
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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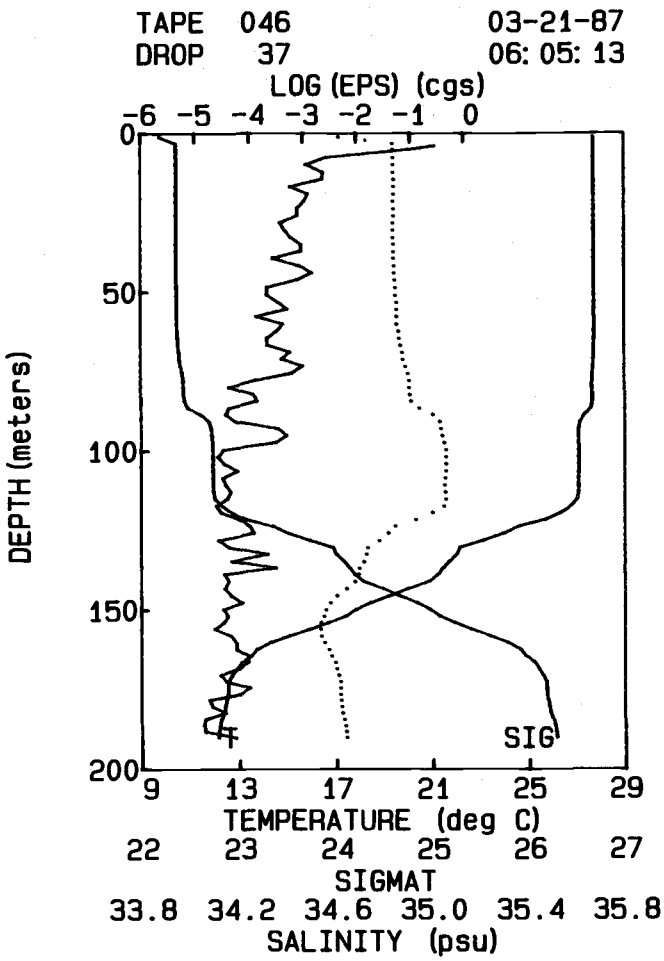
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 37
03-21-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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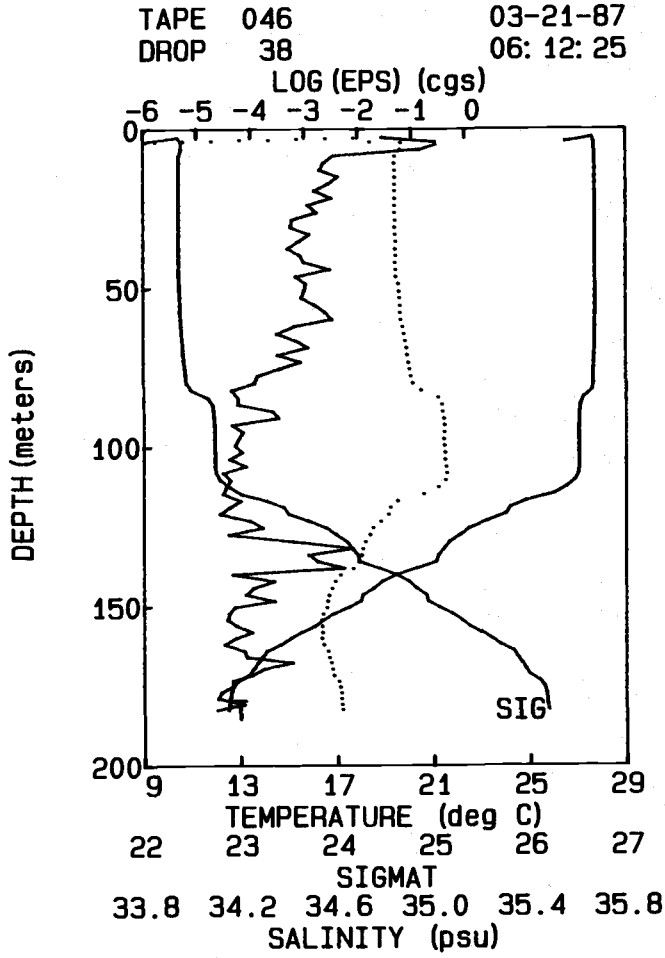
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 38
03-21-87
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LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
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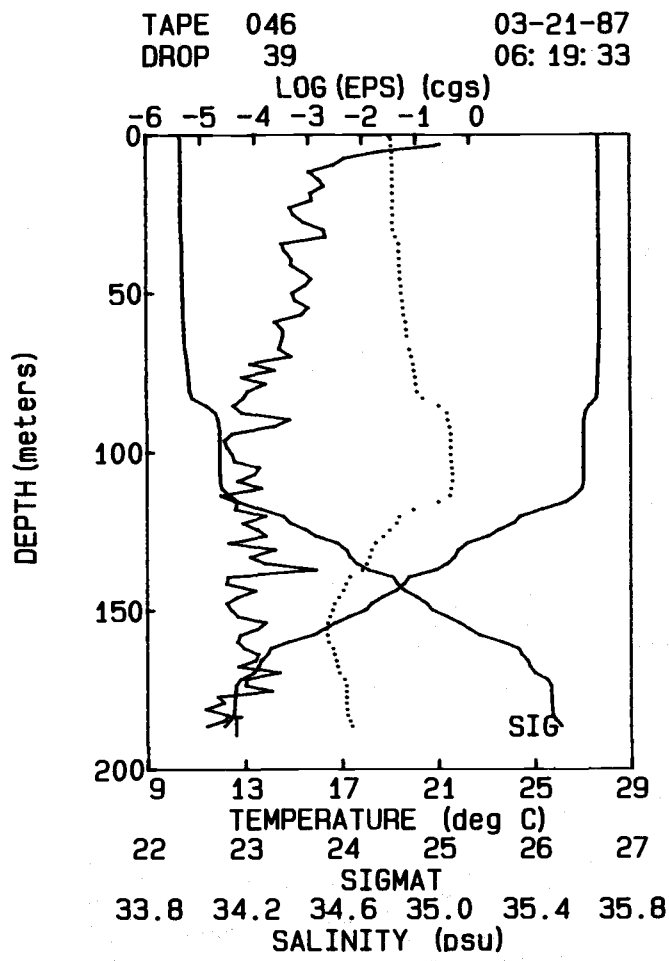
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 39
03-21-87
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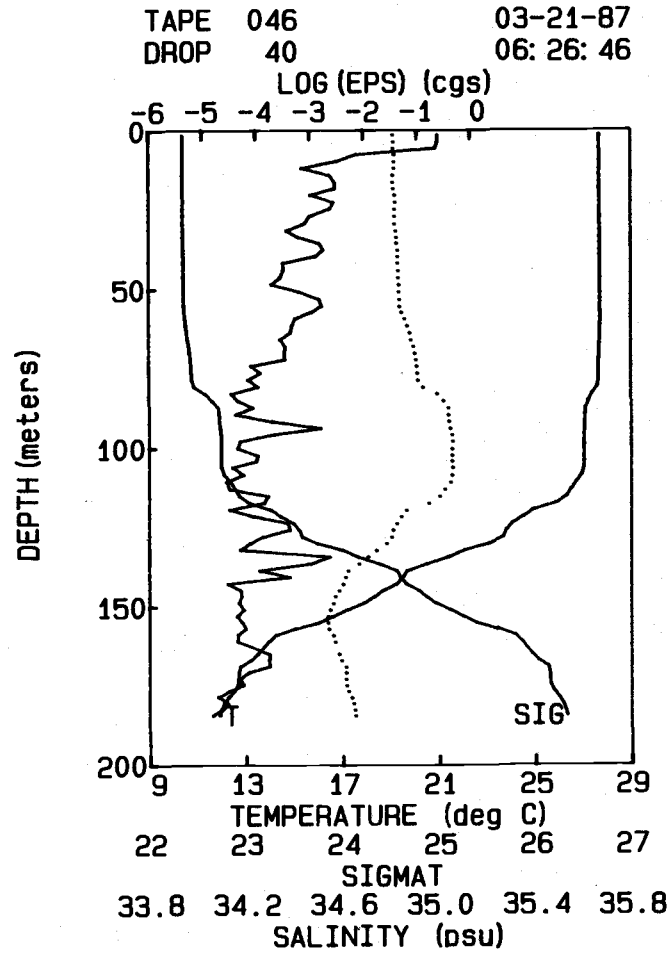
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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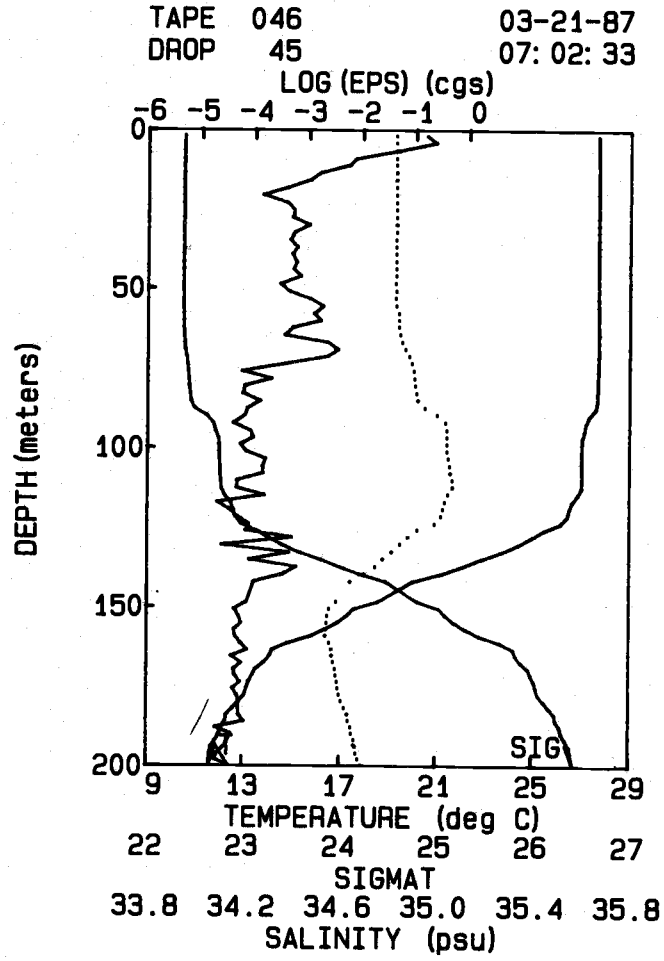
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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07: 02: 33
LOG (EPS) (cgs)
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0
50
100
150
200
DEPTH (meters)
SIG
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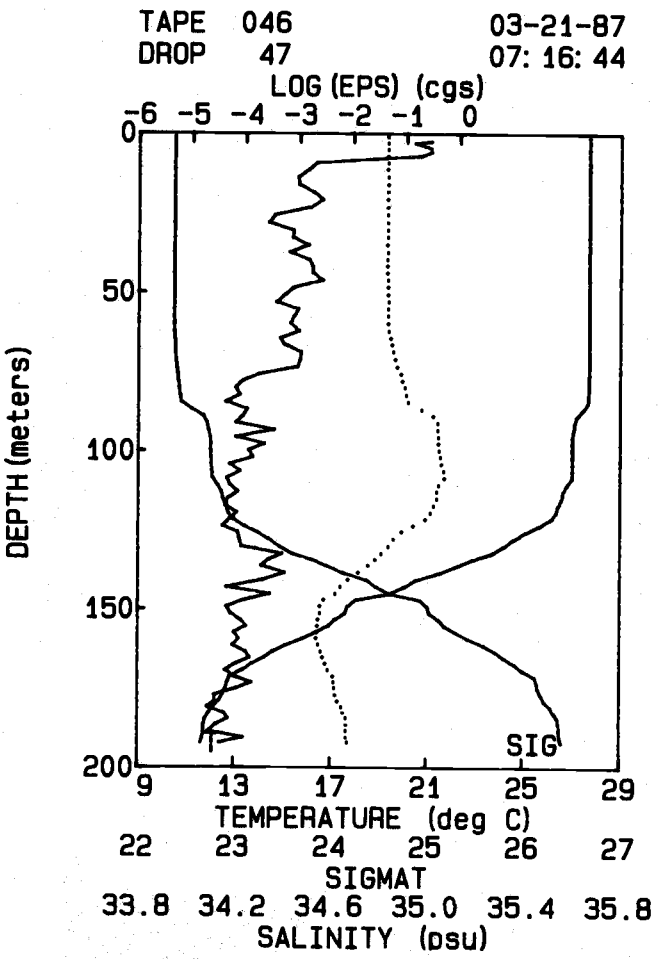
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 47
03-21-87
07: 16: 44
LOG (EPS) (cgs)
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0
50
100
150
200
DEPTH (meters)
SIG
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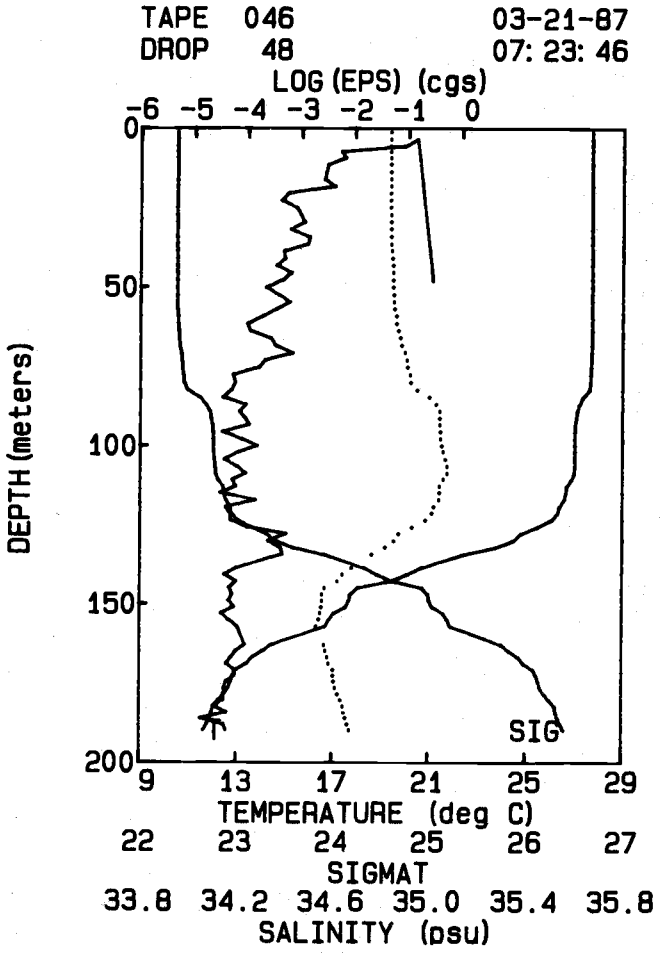
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 48
03-21-87
07: 23: 46
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
0
50
100
150
200
DEPTH (meters)
SIG
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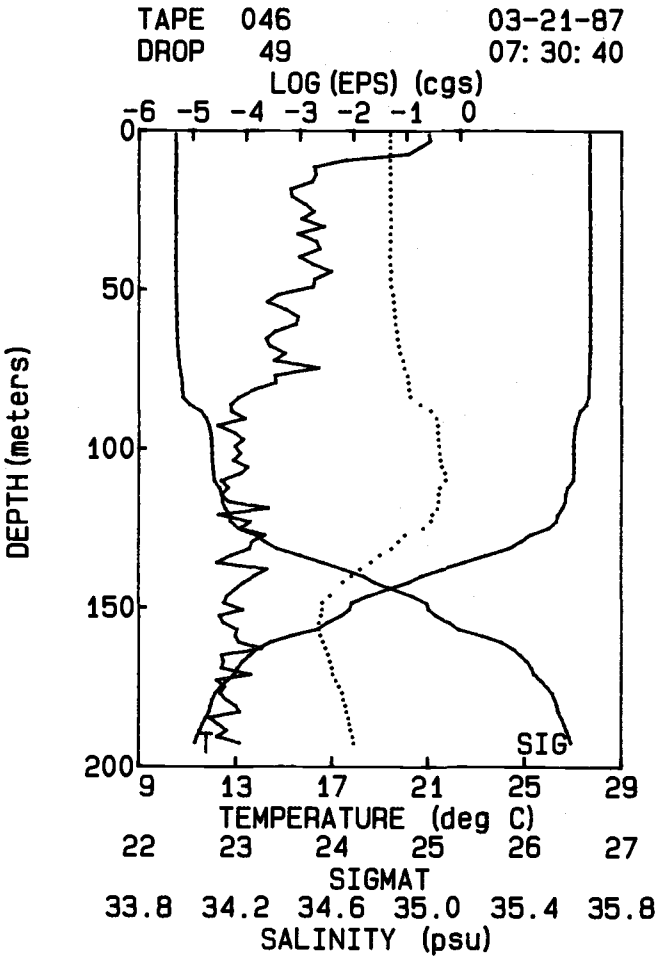
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 49 07: 30: 40
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DEPTH (meters)
0
50
100
150
200
T
SIG
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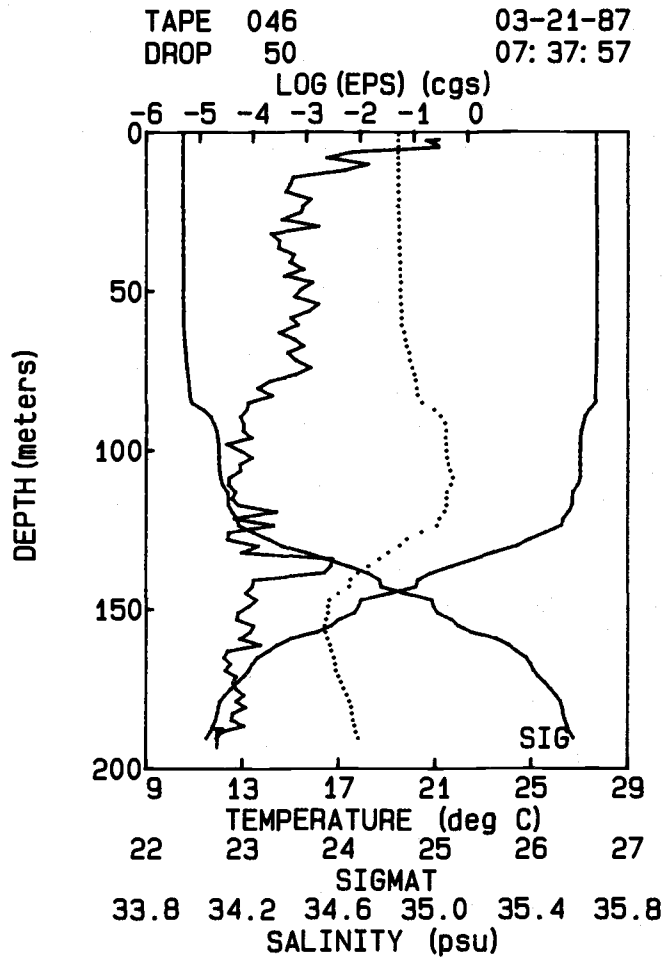
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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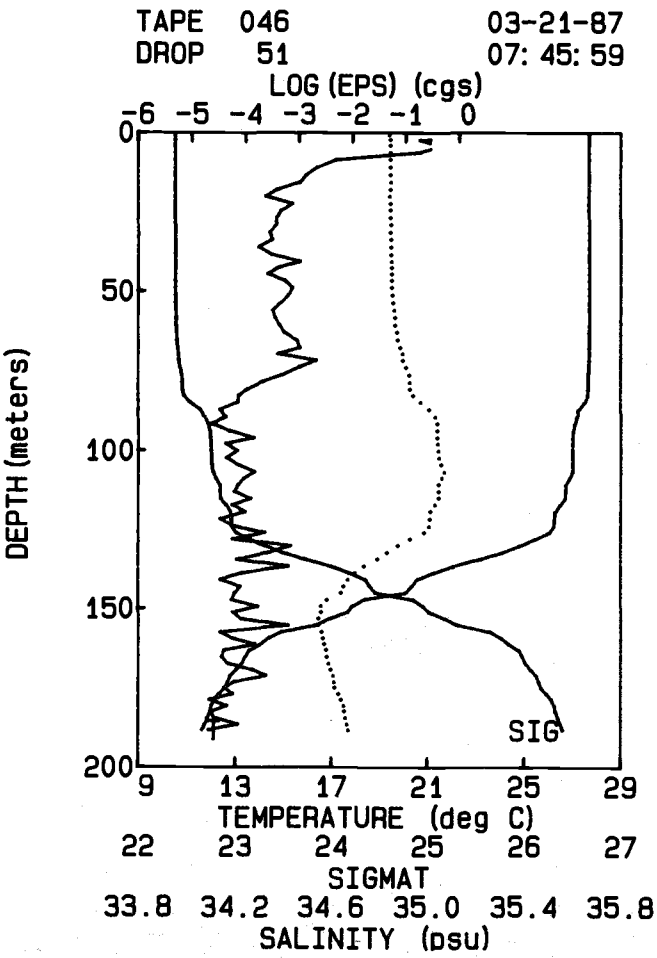
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 51 07: 45: 59
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DEPTH (meters)
0
50
100
150
200
T
SIG
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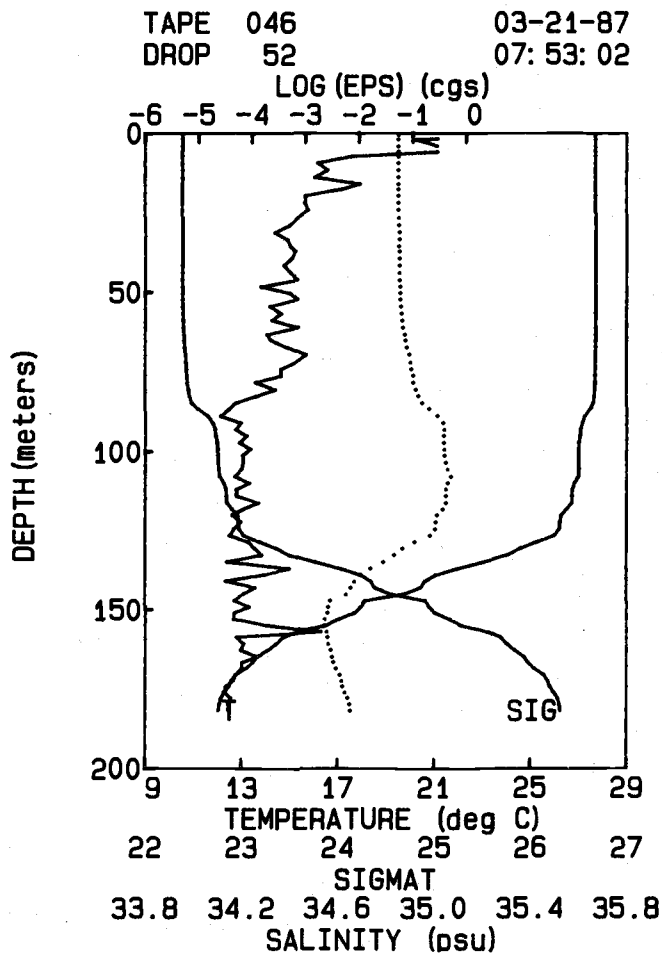
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 52 07: 53: 02
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DEPTH (meters)
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50
100
150
200
T
SIG
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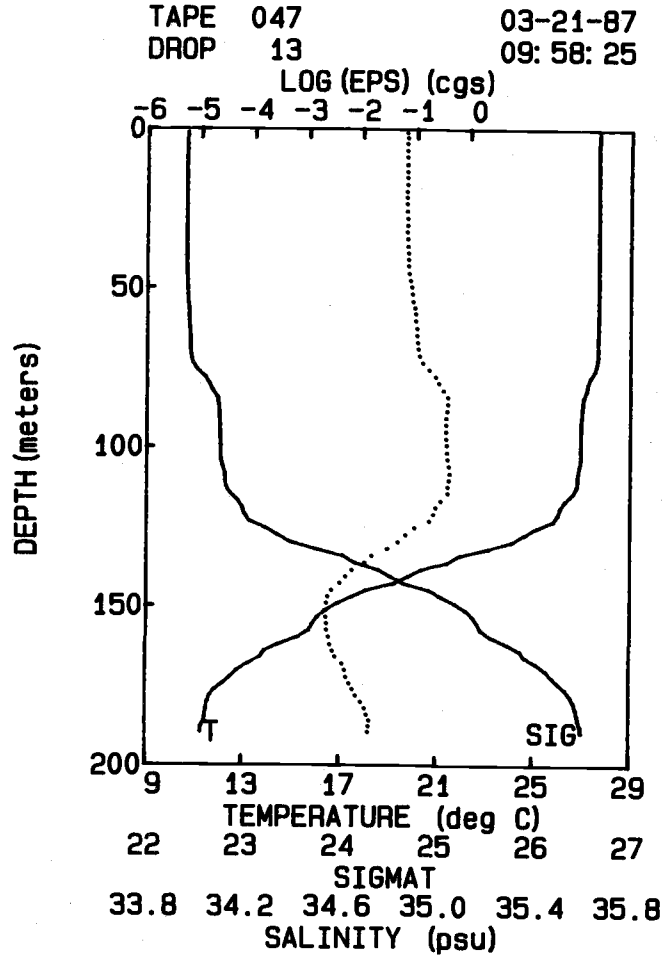
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-21-87
09: 58: 25
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DEPTH (meters)
0
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100
150
200
T
SIG
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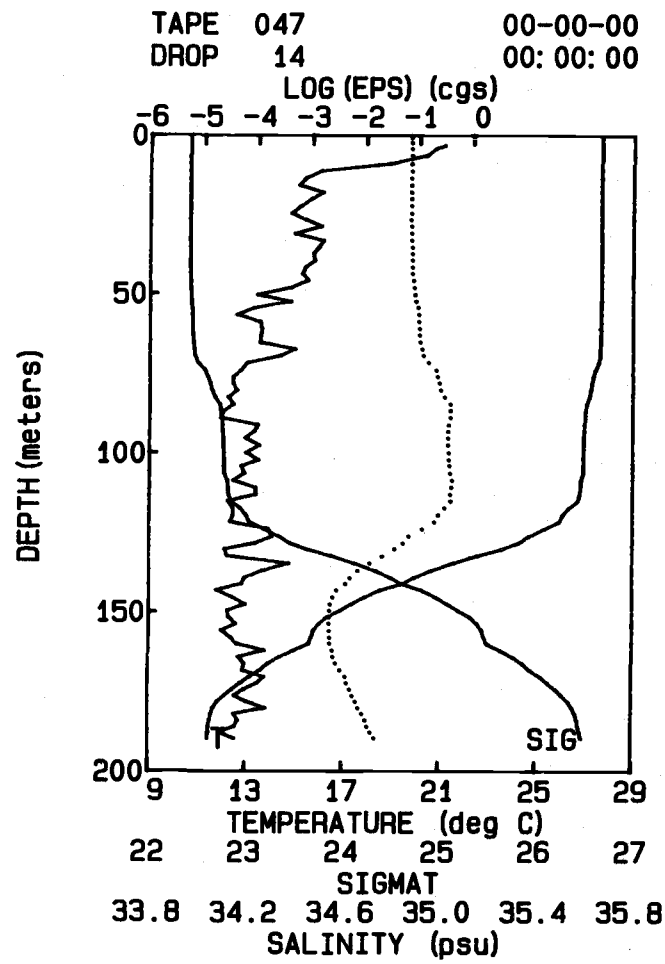
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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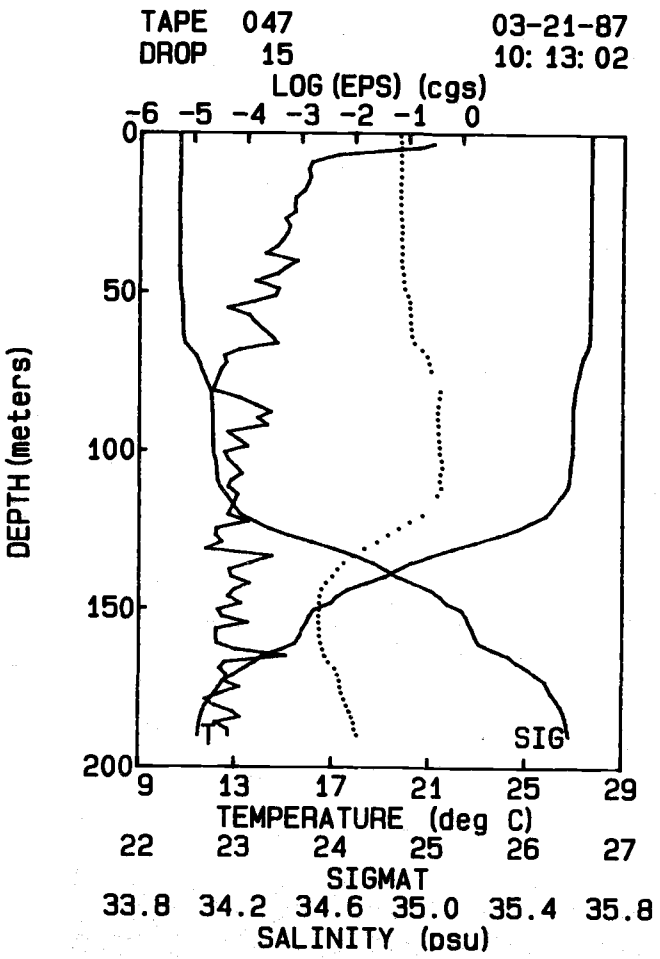
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-21-87
10: 13: 02
LOG (EPS) (cgs)
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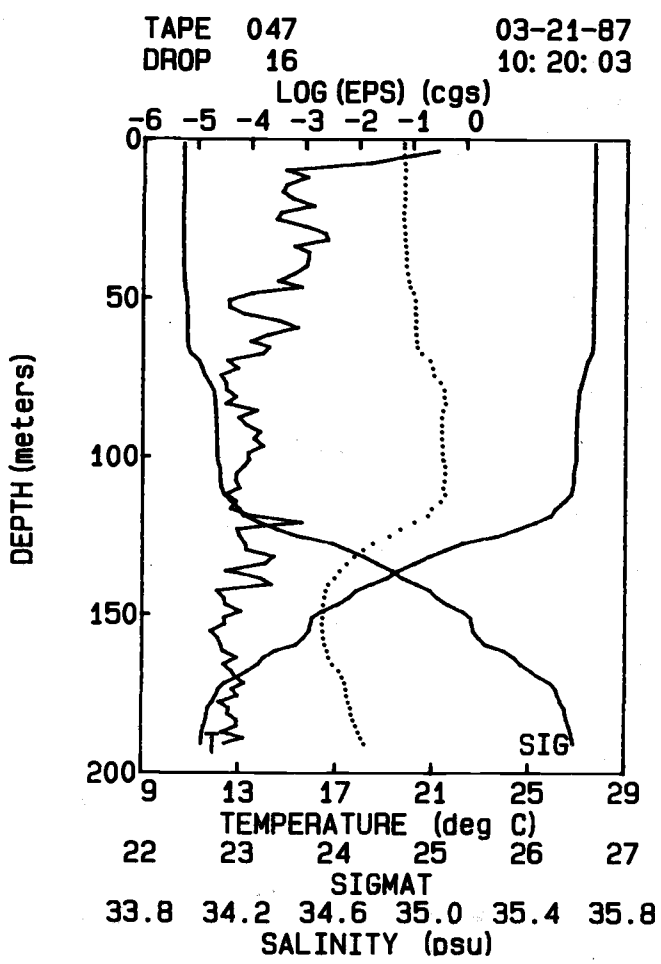
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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10: 20: 03
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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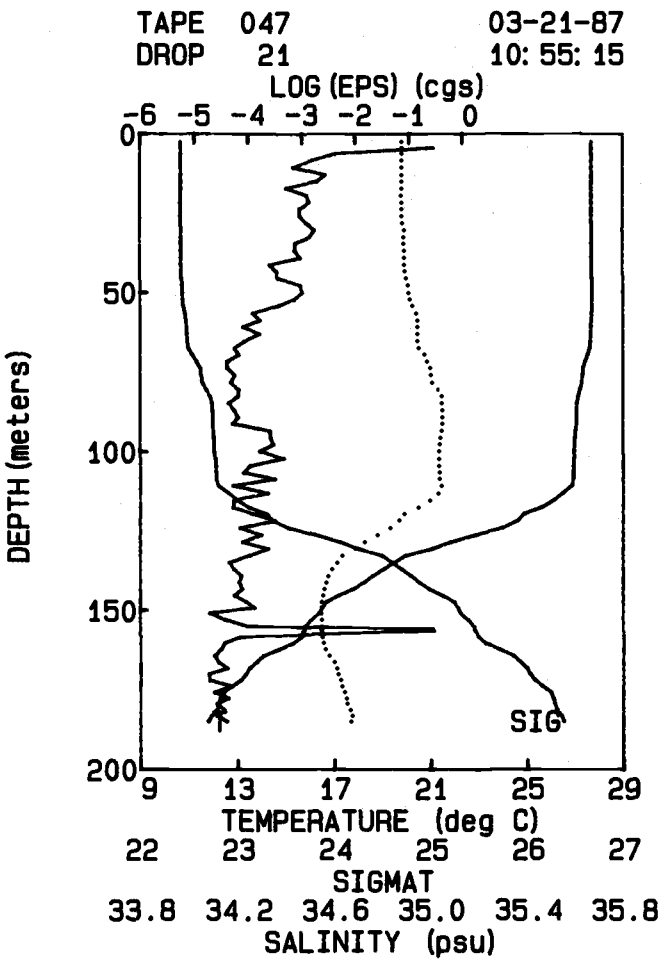
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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10: 55: 15
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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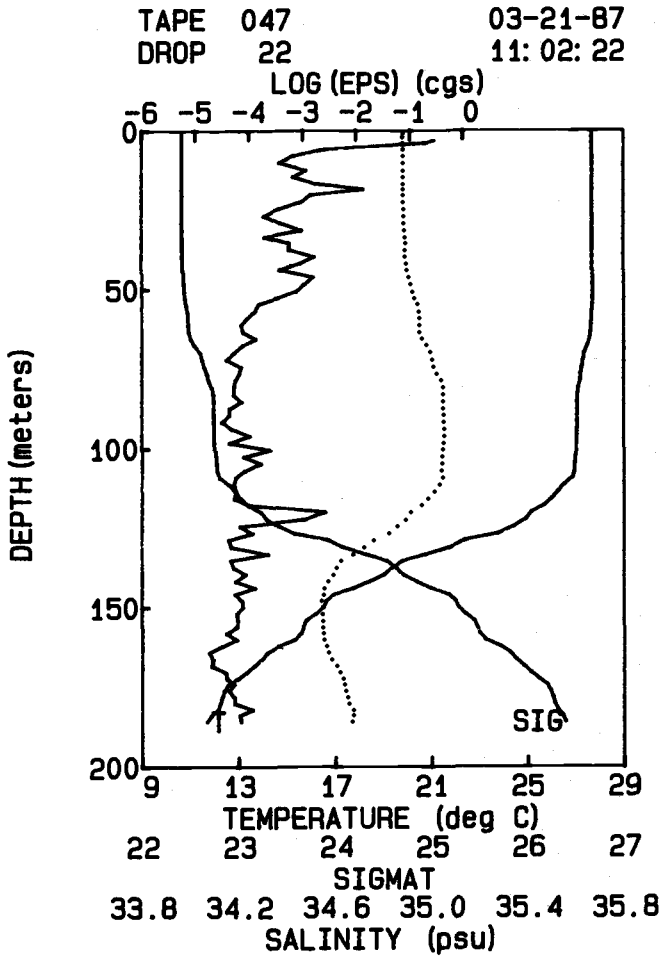
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-21-87
11: 02: 22
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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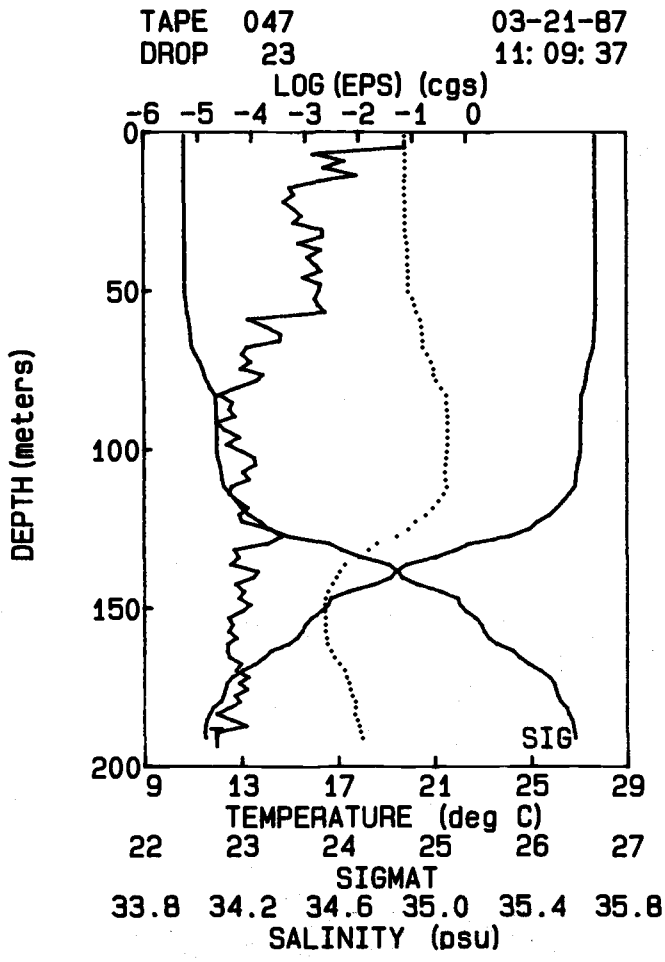
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 23
03-21-87
11: 09: 37
LOG (EPS) (cgs)
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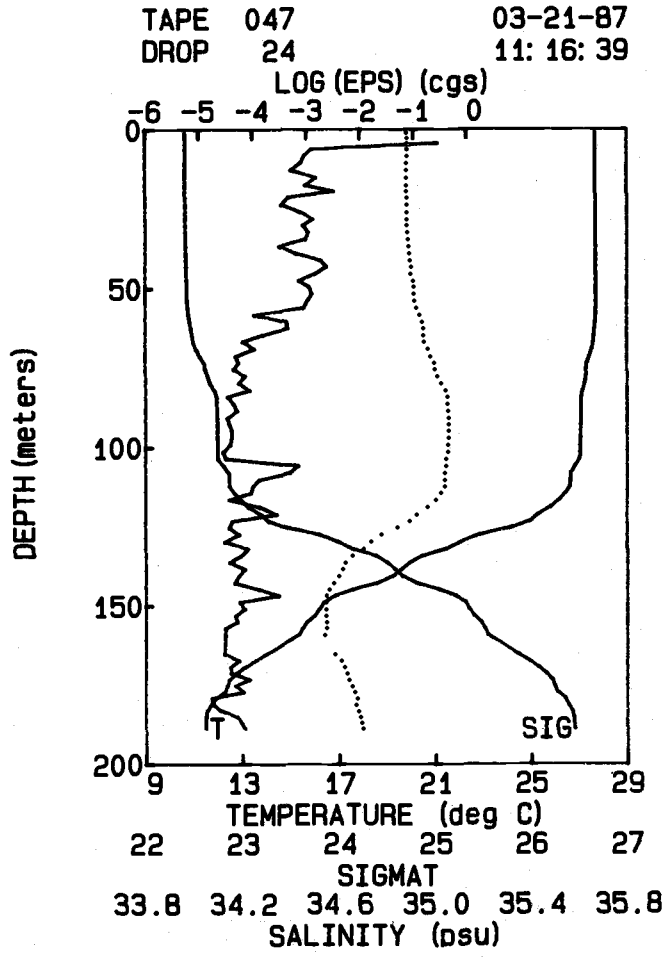
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 047
DROP 24
03-21-87
11: 16: 39
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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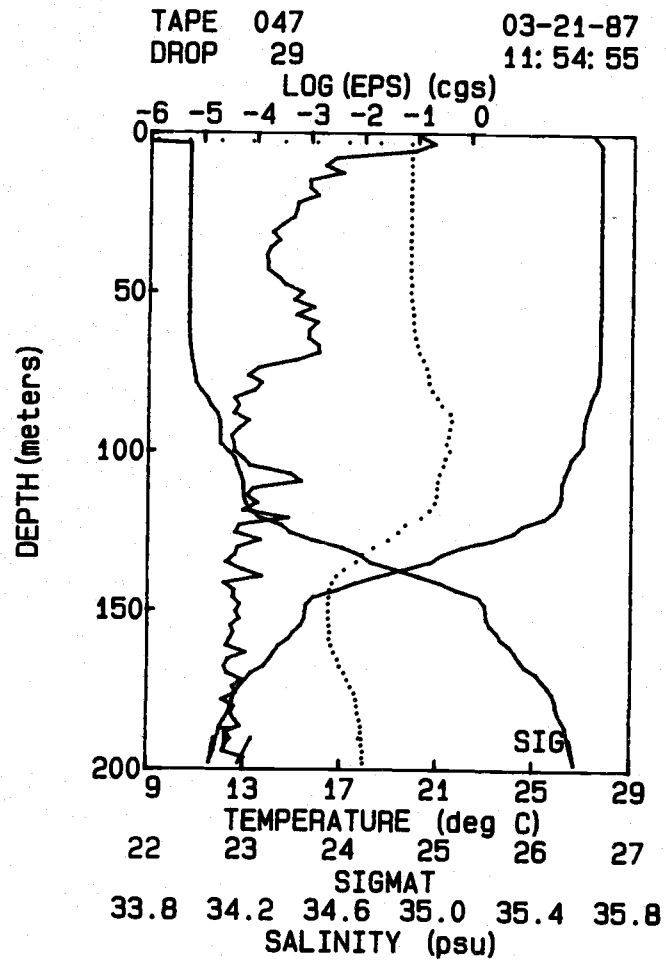
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-21-87
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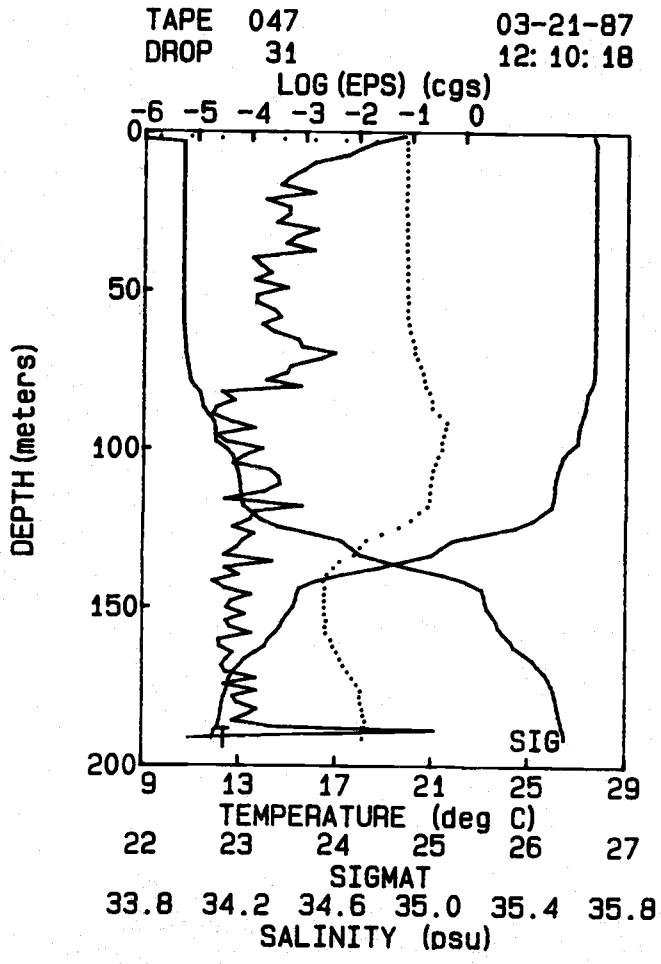
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
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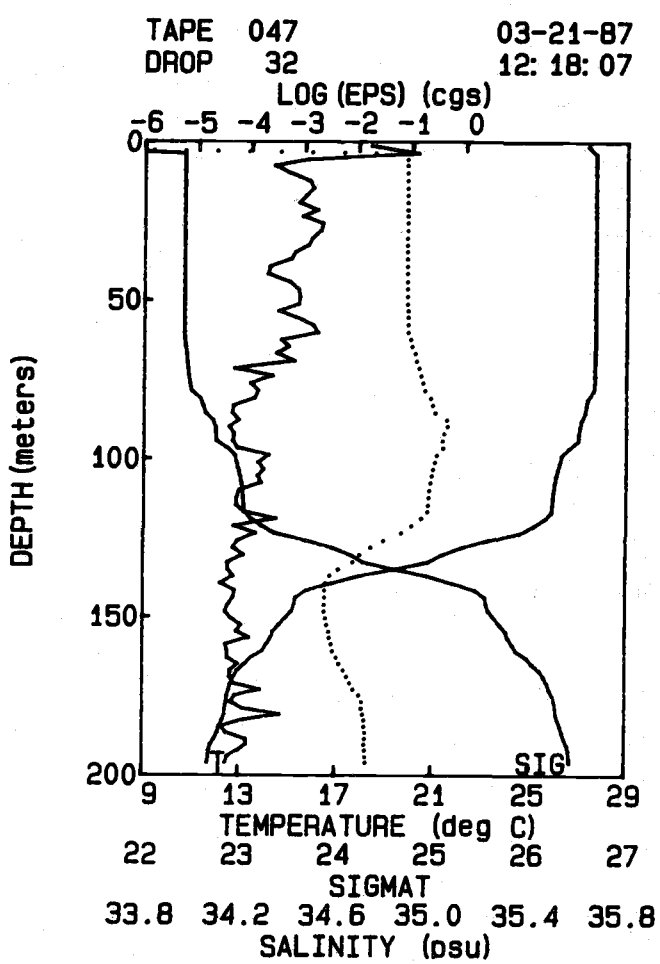
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
SIG
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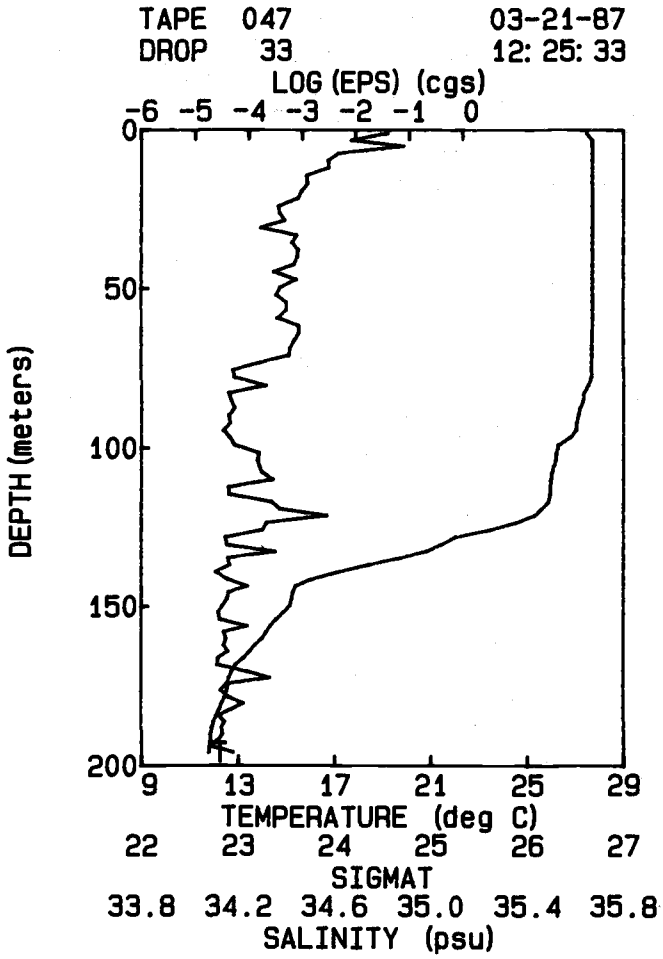
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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12: 25: 33
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DEPTH (meters)
0
50
100
150
200
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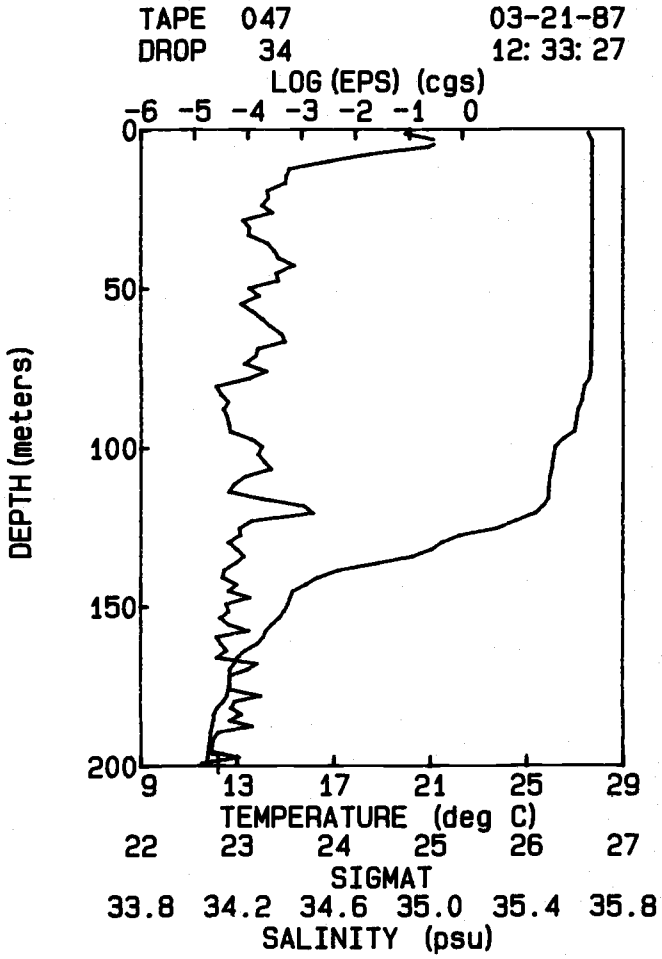
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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12: 33: 27
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DEPTH (meters)
0
50
100
150
200
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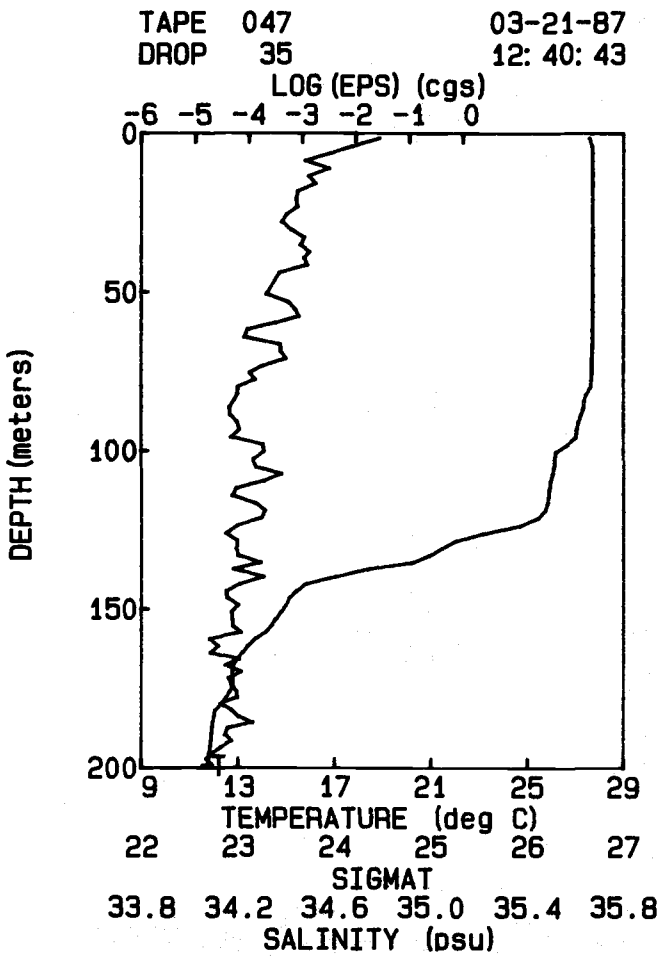
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
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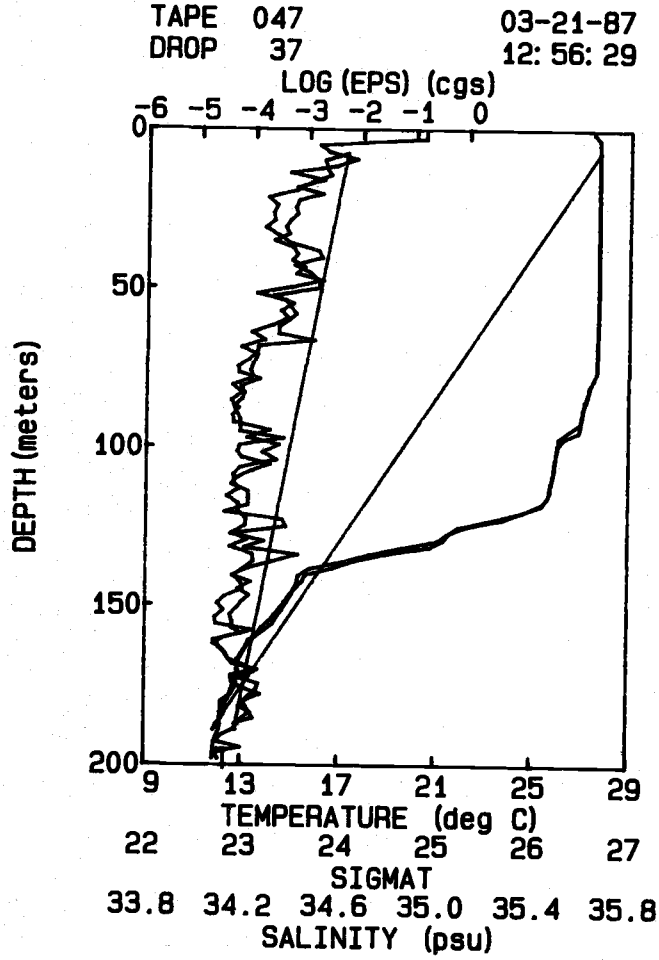
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
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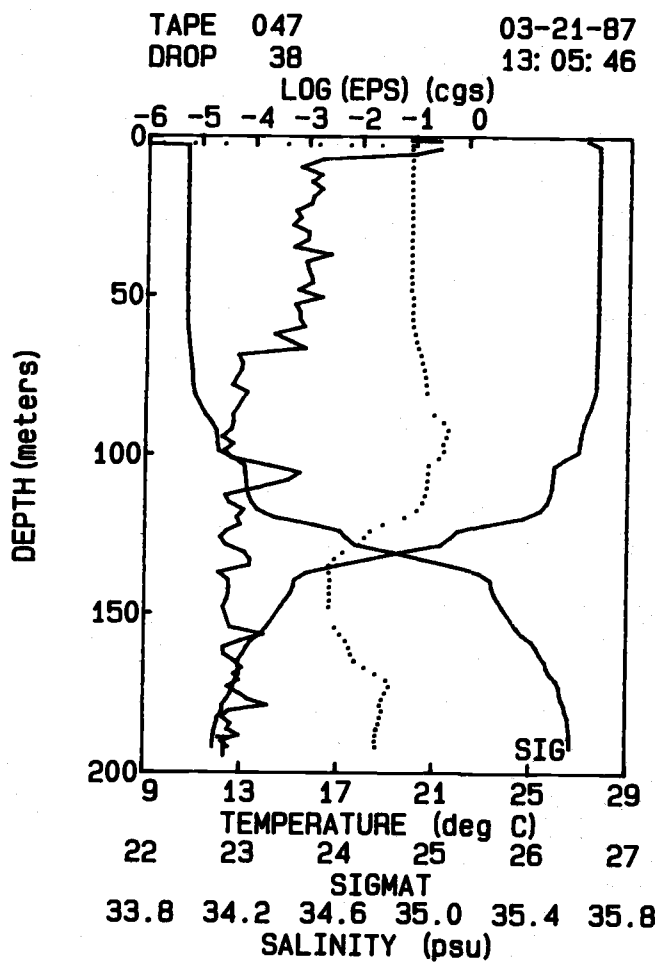
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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0
50
100
150
200
SIG
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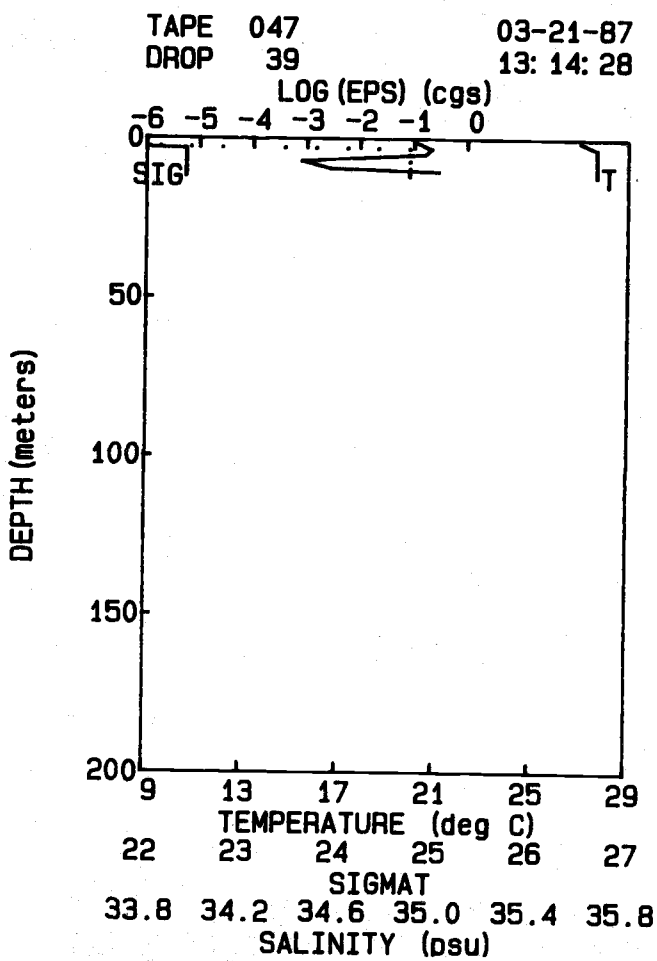
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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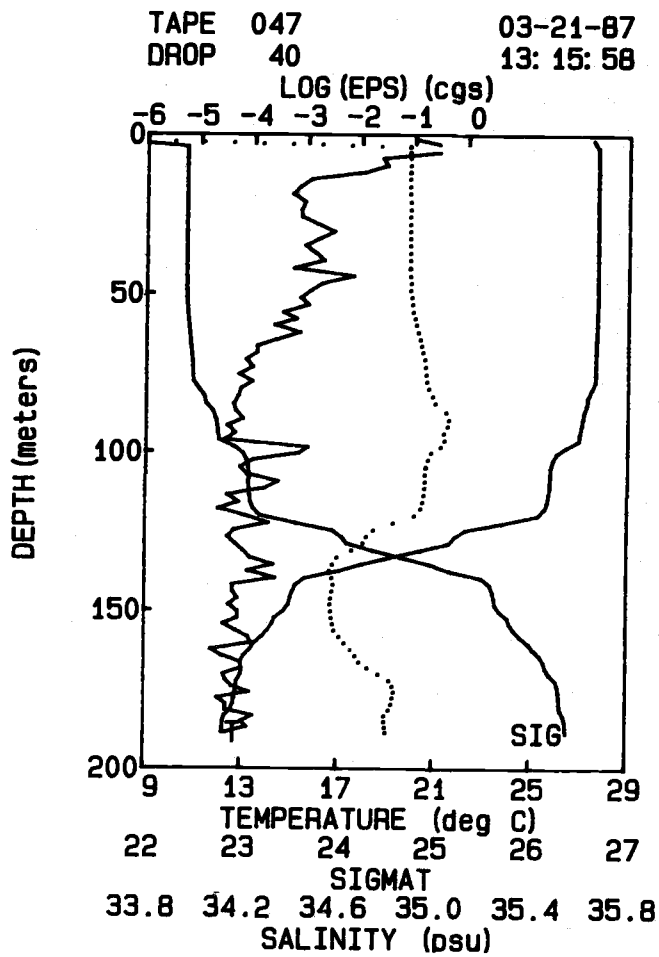
DEPTH (meters)
0
SIG
T
50
100
150
200
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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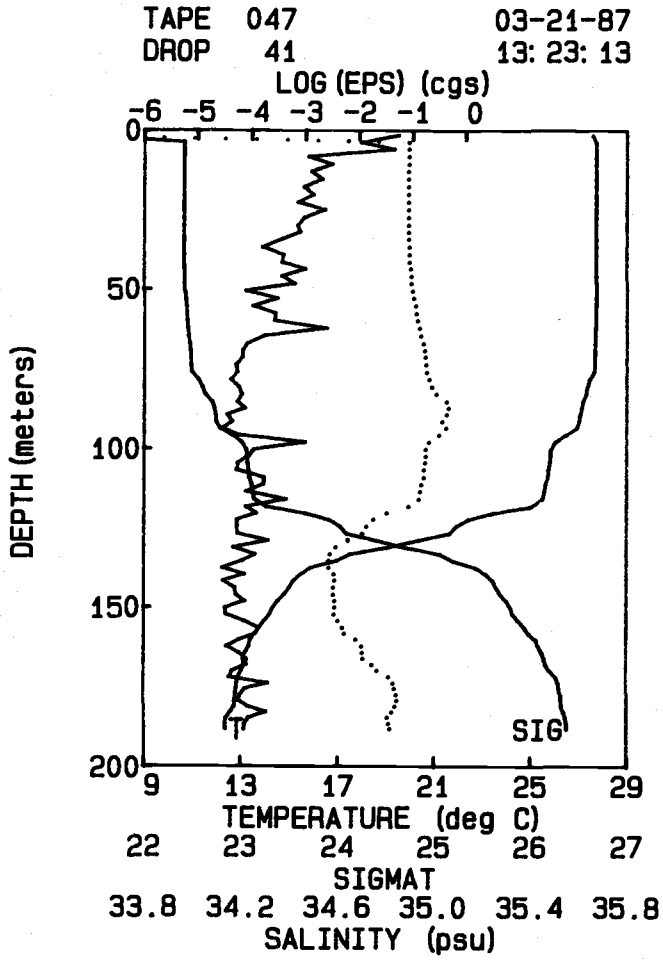
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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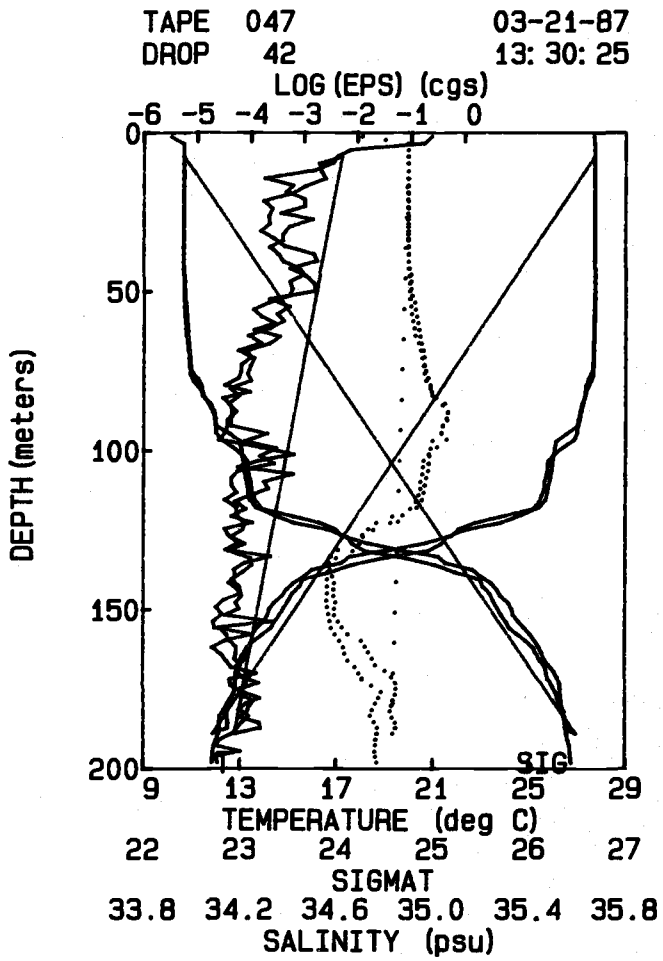
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
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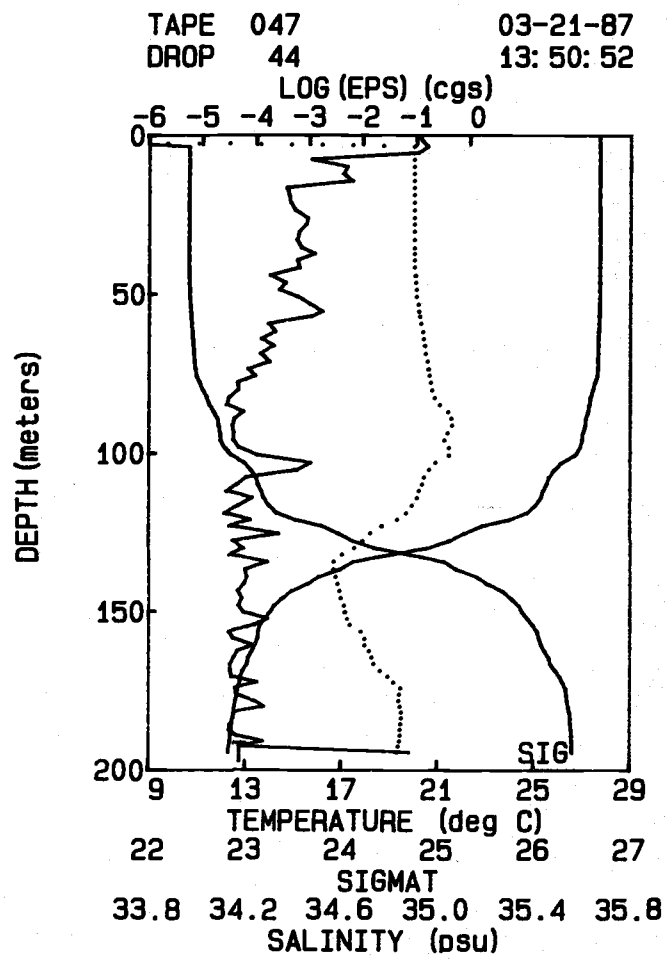
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-21-87
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DEPTH (meters)
0
50
100
150
200
SIG
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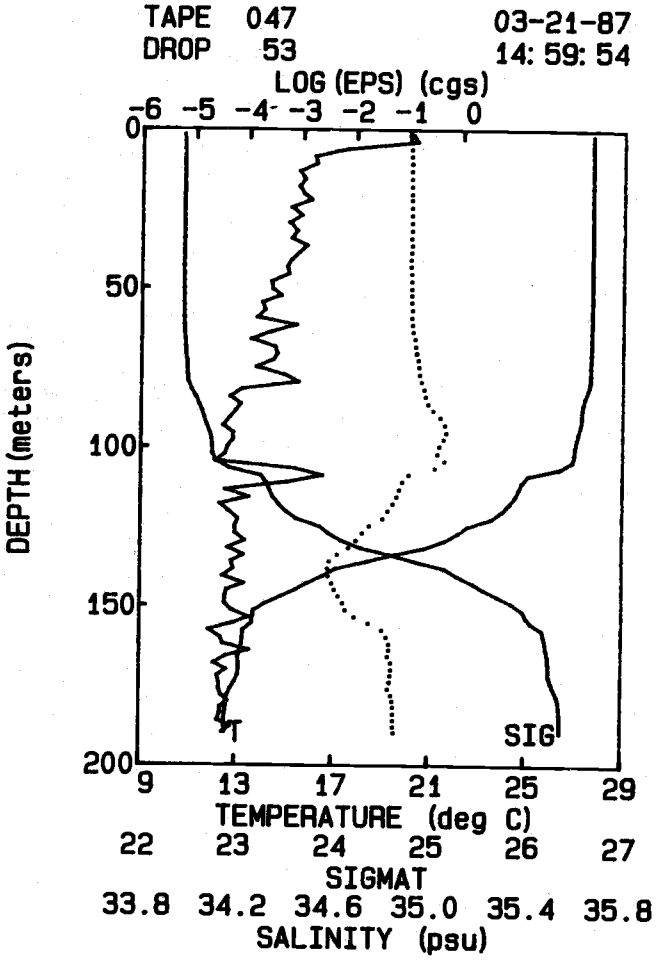
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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14: 59: 54
LOG (EPS) (cgs)
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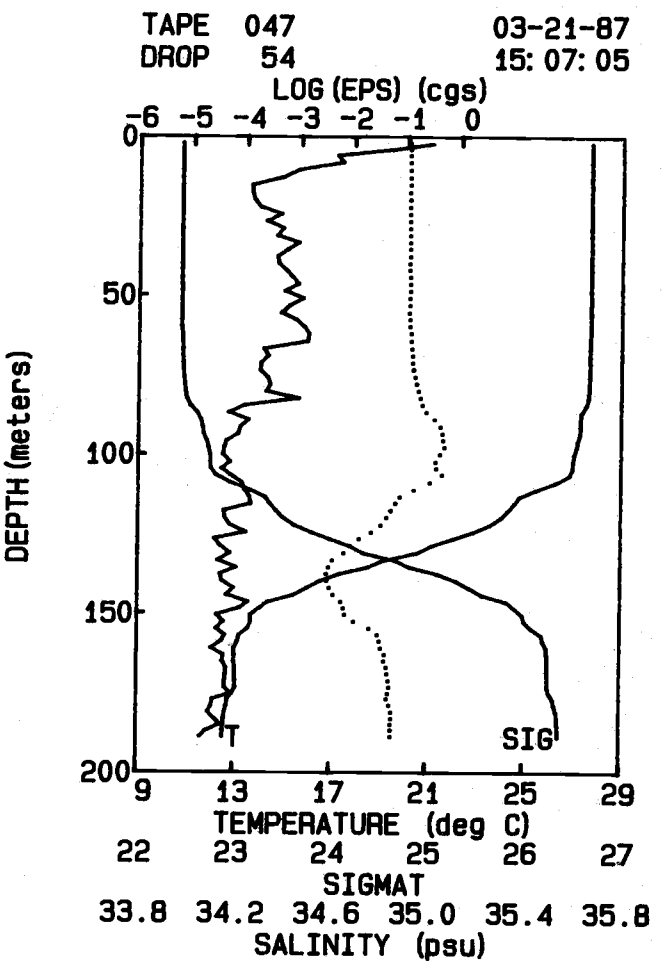
50
100
150
200
DEPTH (meters)
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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15: 07: 05
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0
50
100
150
200
DEPTH (meters)
T
SIG
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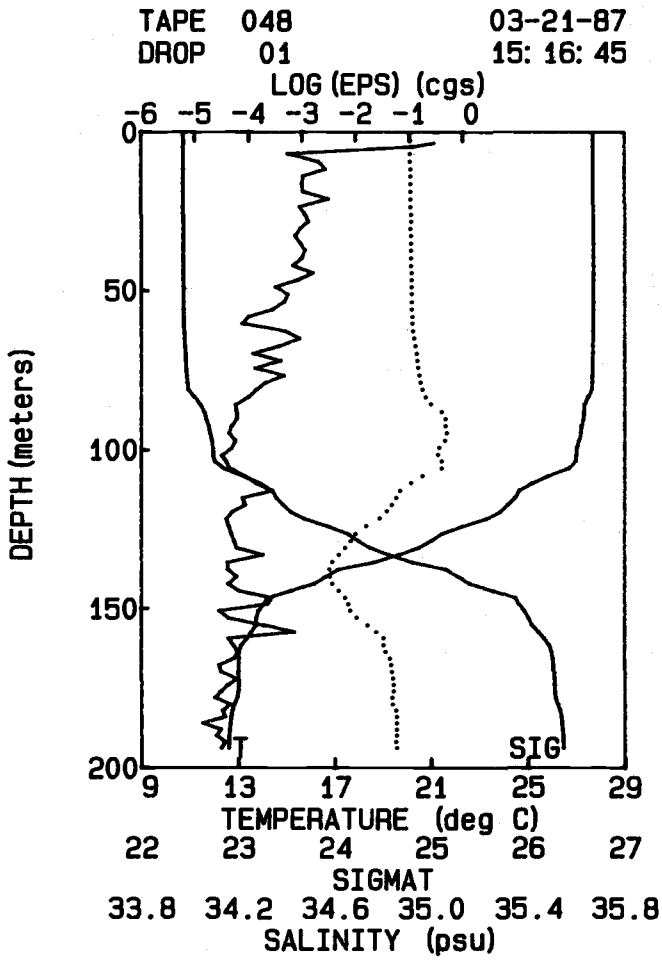
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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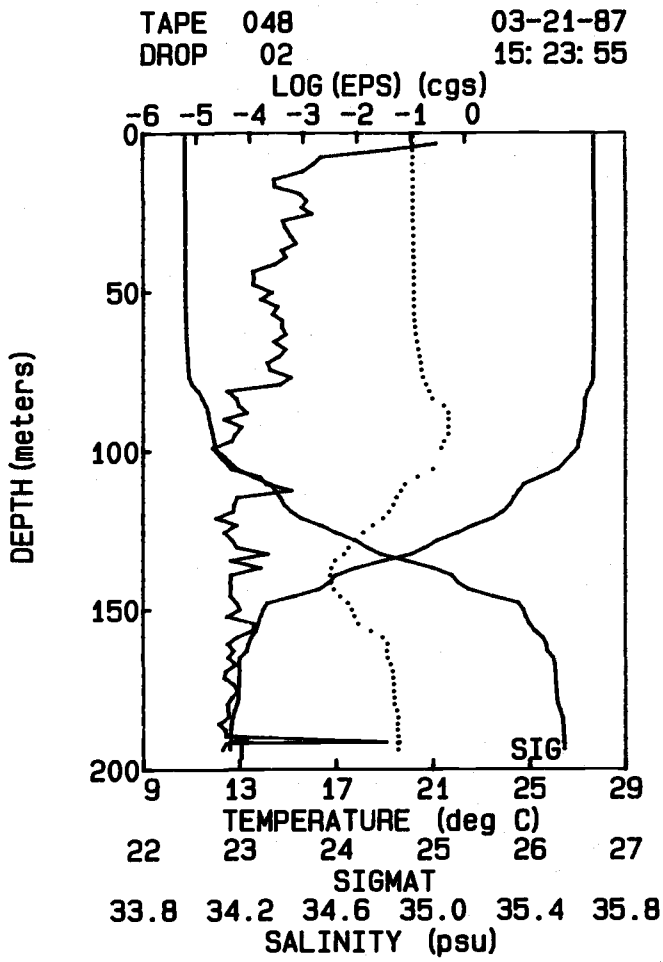
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-21-87
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DEPTH (meters)
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50
100
150
200
SIG
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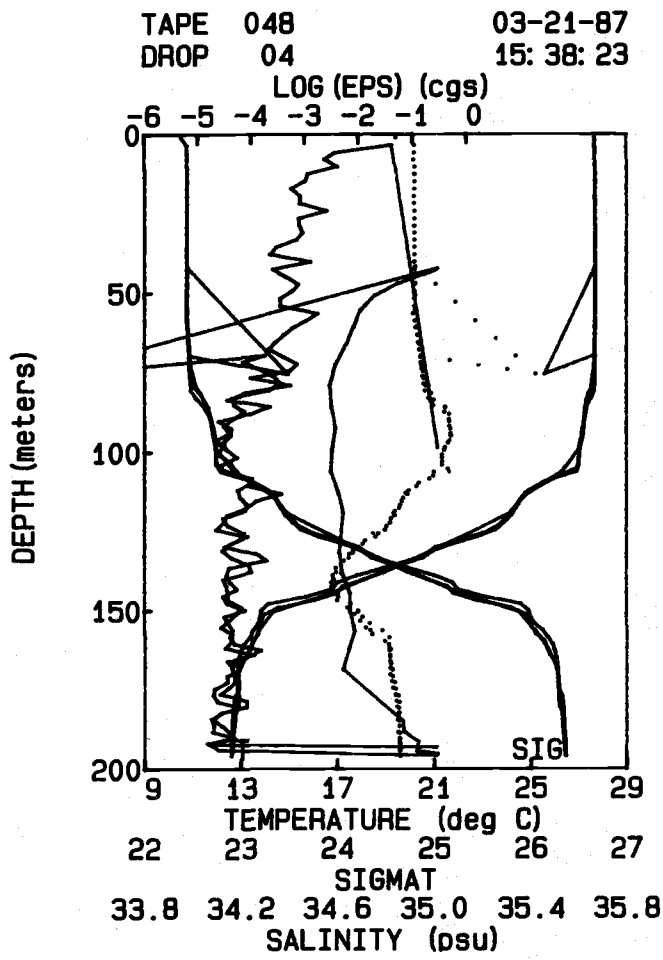
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
SIG
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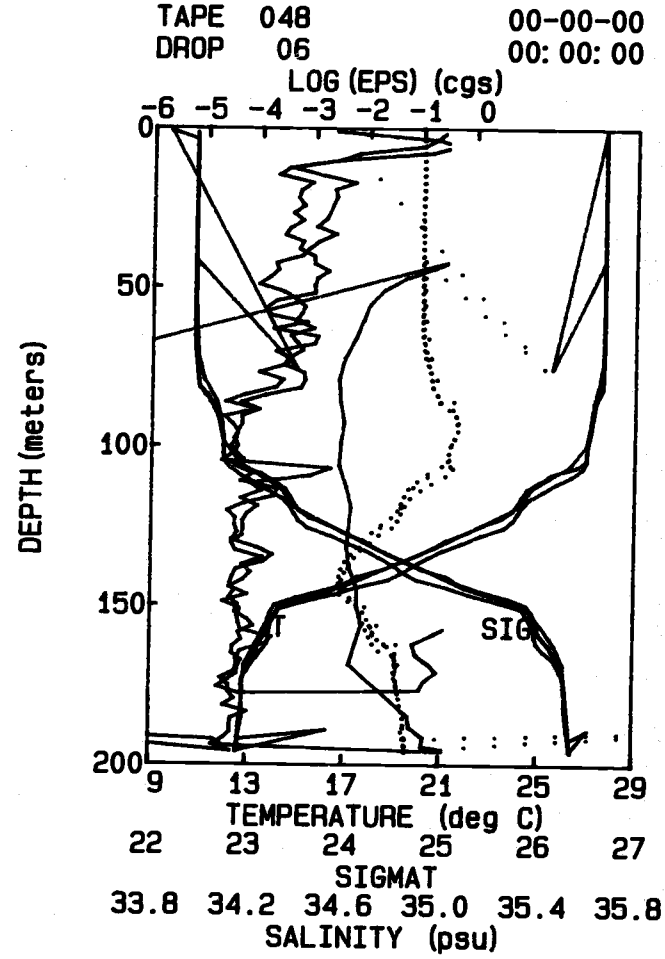
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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00-00-00
00: 00: 00
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150
200
DEPTH (meters)
T
SIG
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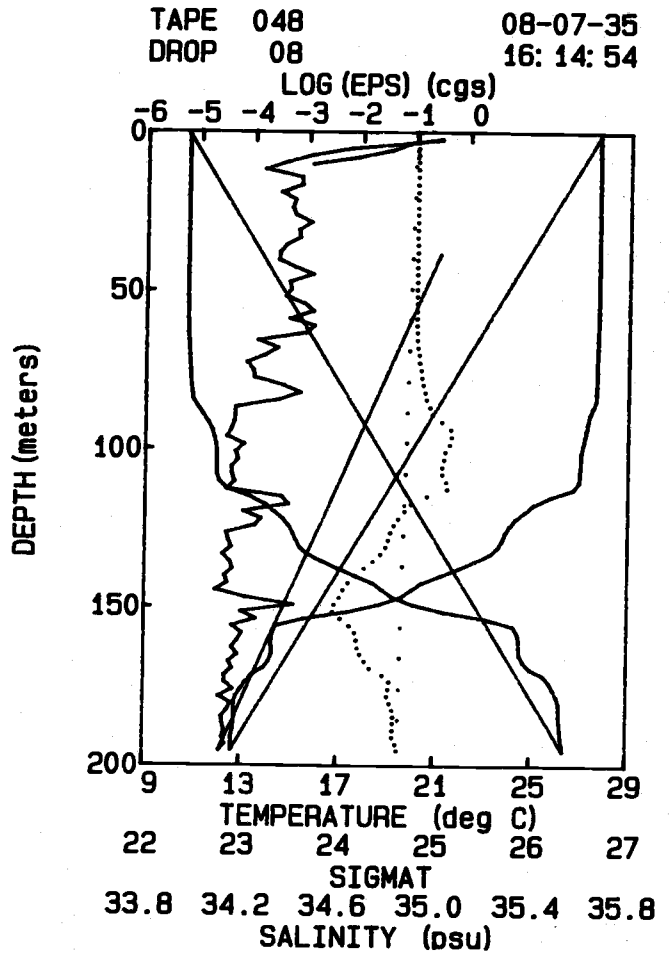
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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150
200
DEPTH (meters)
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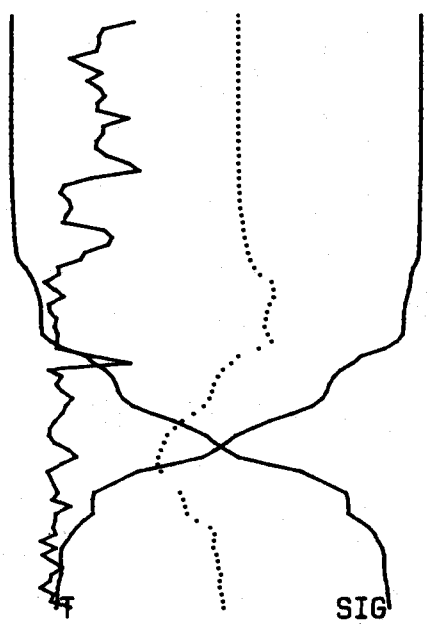
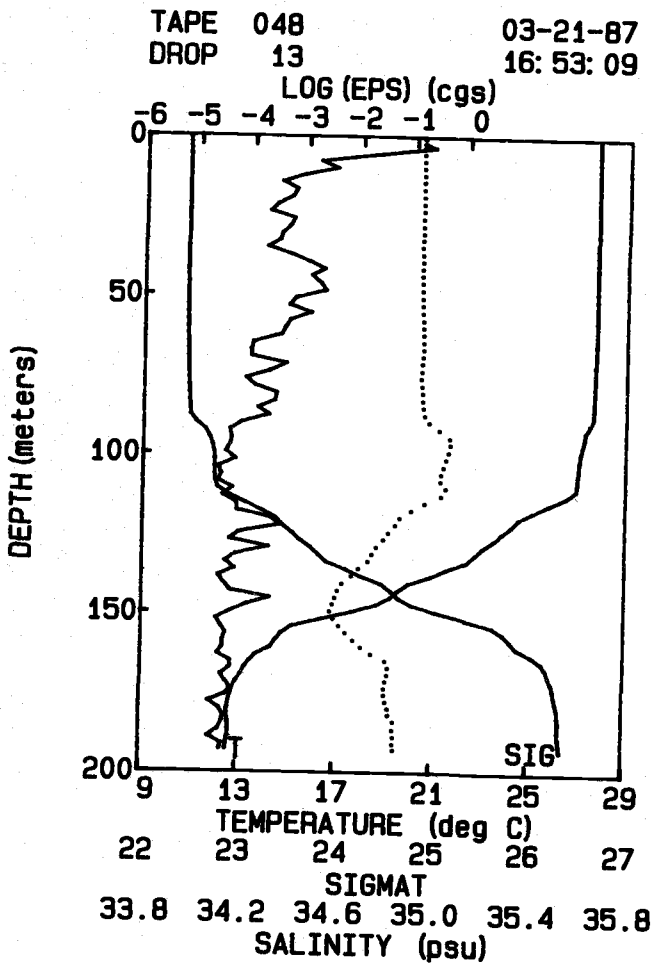
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


SIG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03-21-87
16: 53: 09
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0
50
100
150
200
DEPTH (meters)
T
SIG
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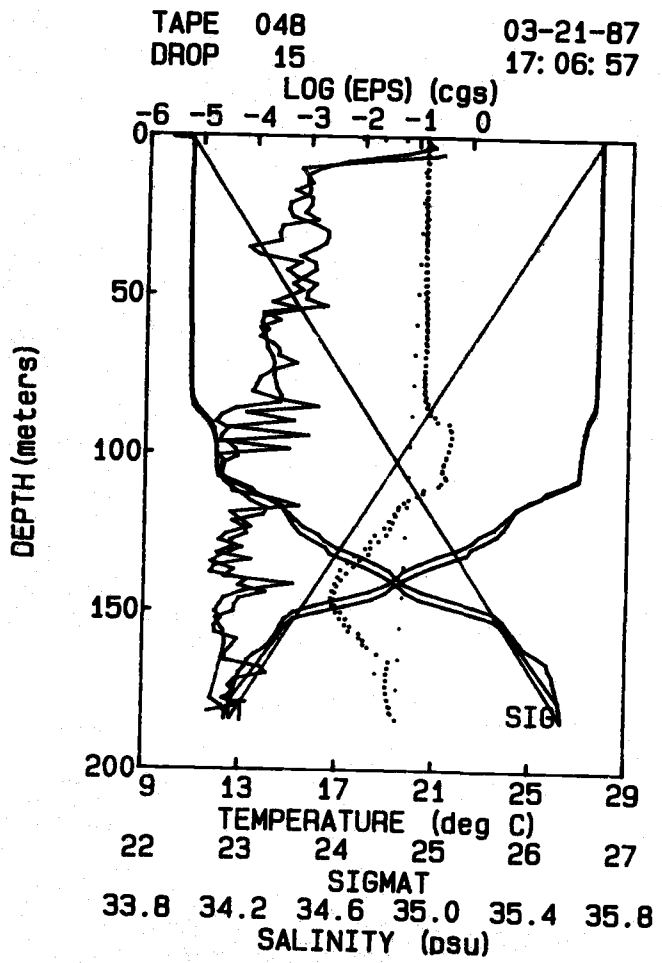
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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50
100
150
200
DEPTH (meters)
T
SIG
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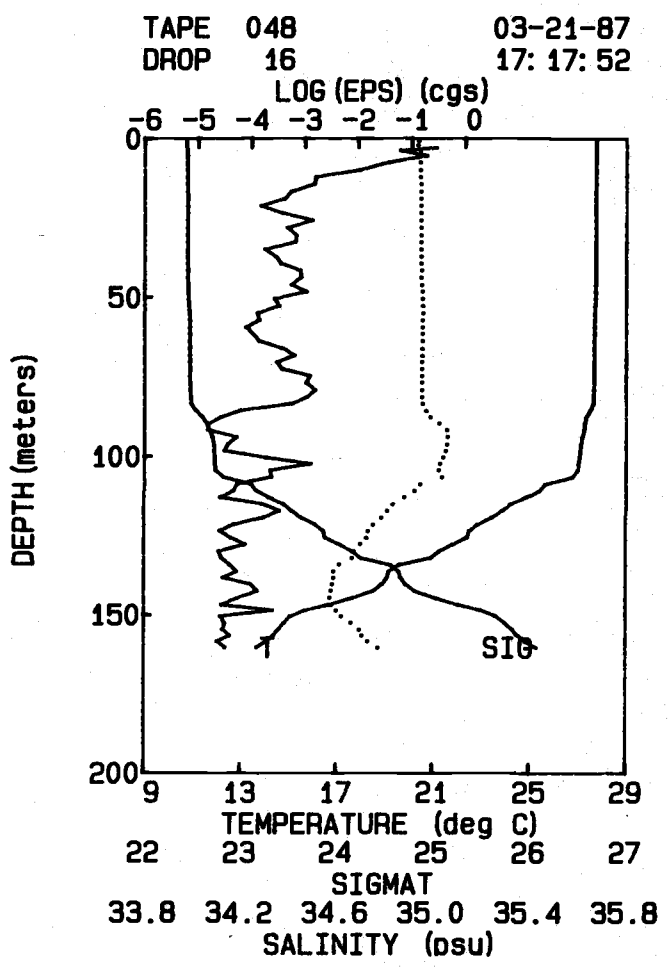
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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150
200
DEPTH (meters)
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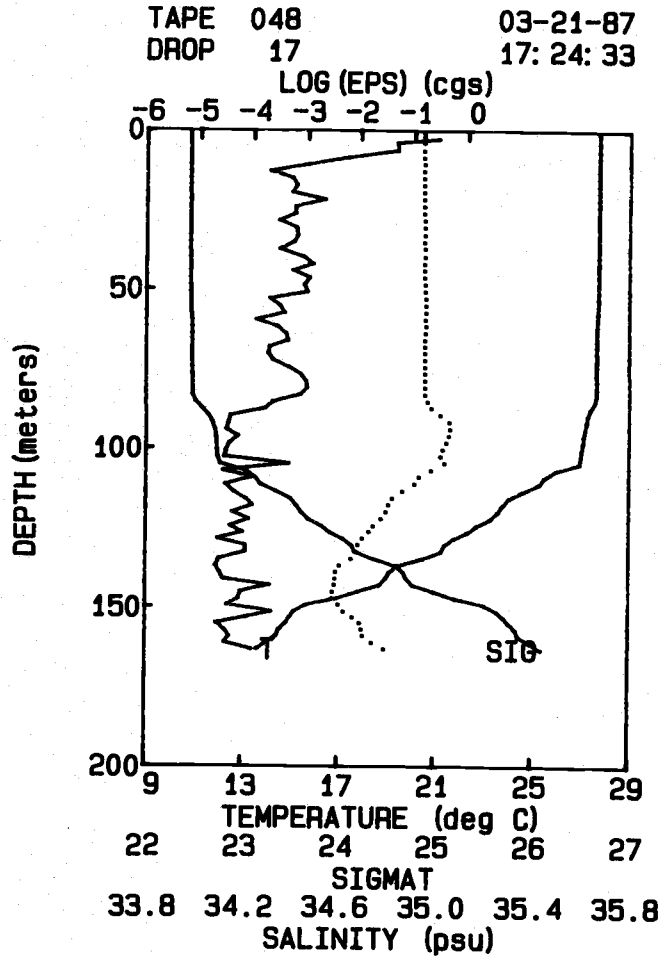
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
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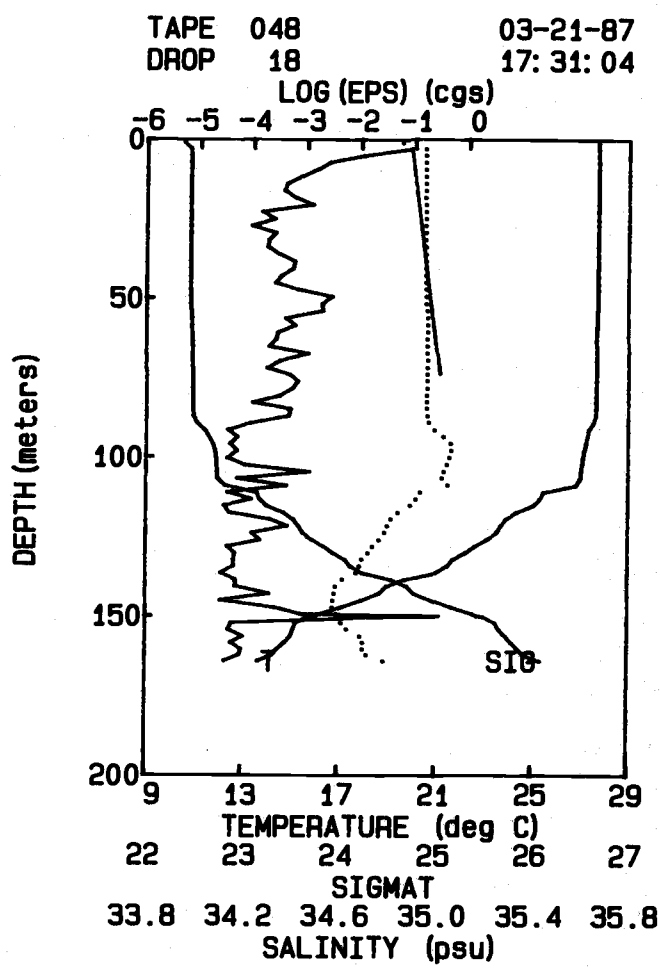
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
SIG
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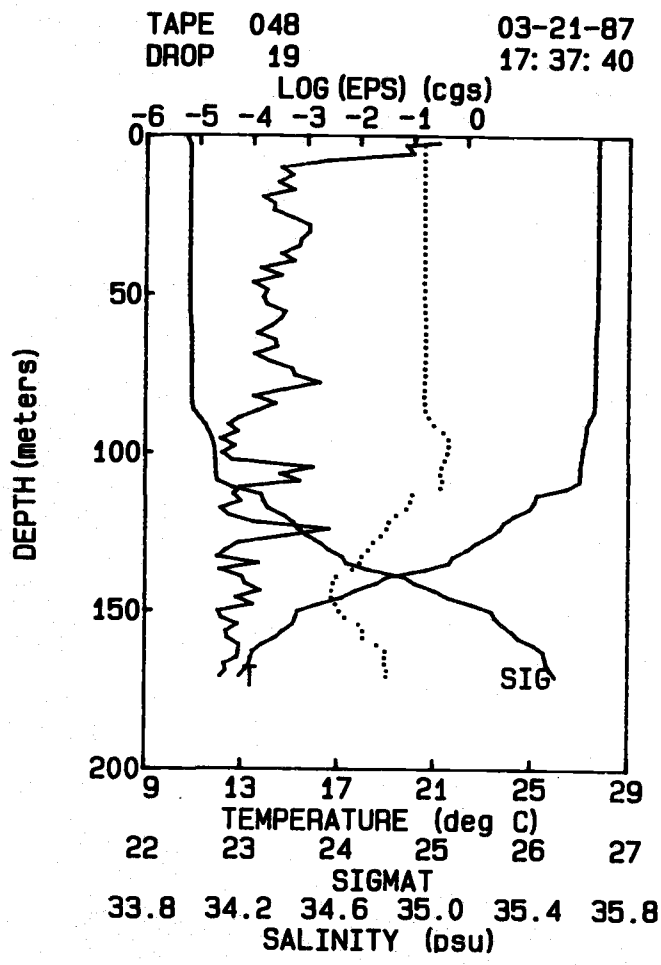
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
SIG
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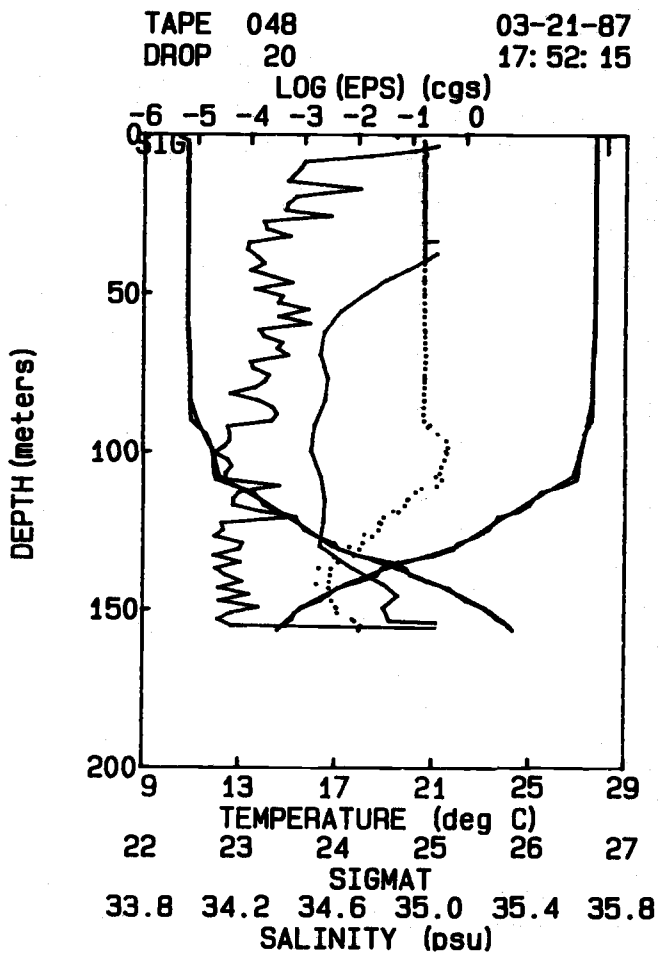
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
SIG
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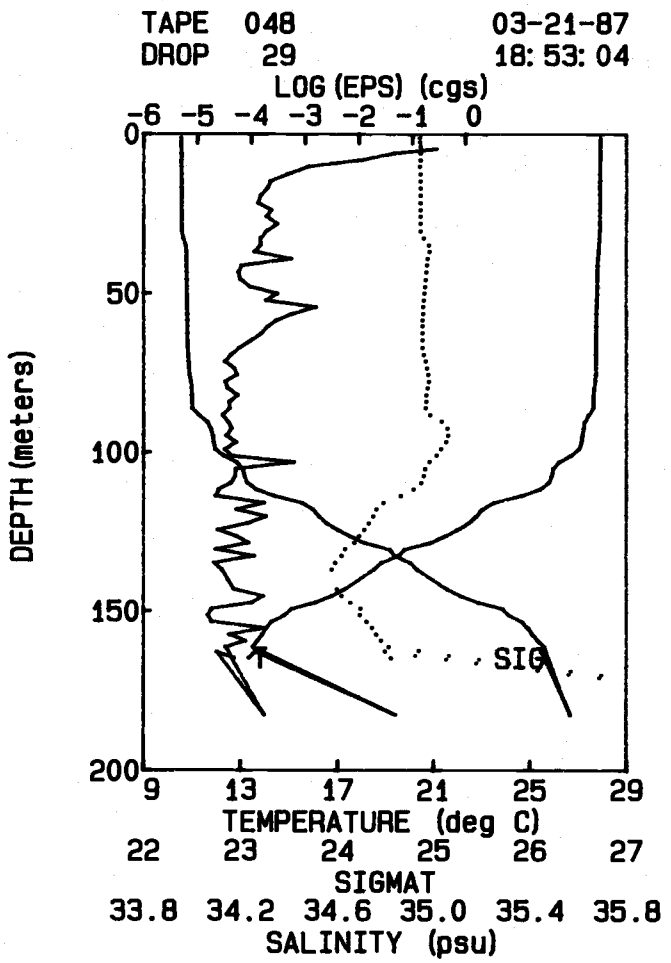
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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50
100
150
200
DEPTH (meters)
SIG
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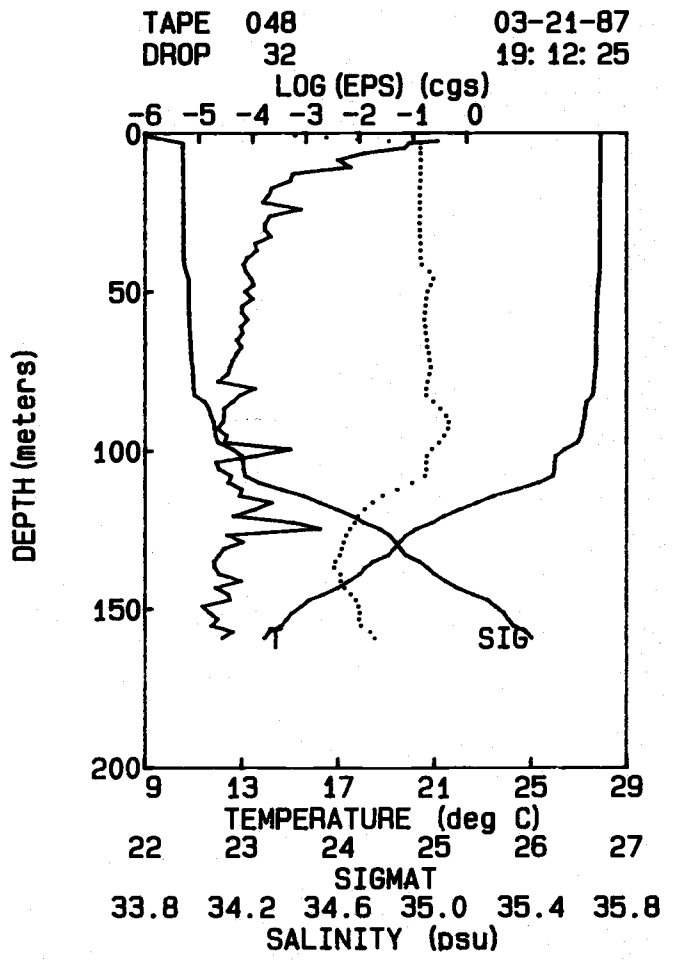
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 32
19: 12: 25
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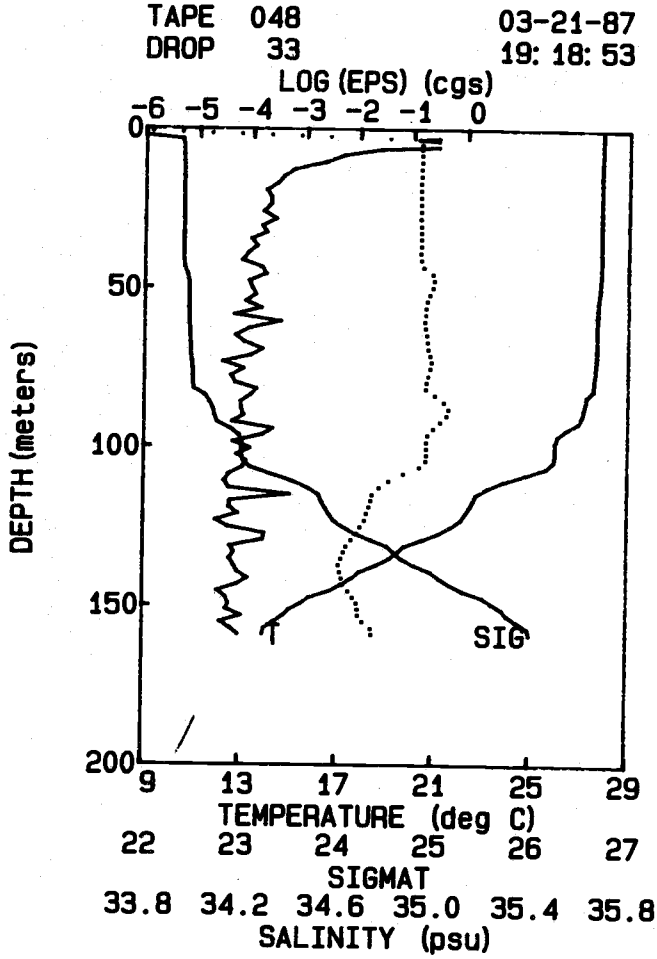
0
50
100
150
200
DEPTH (meters)
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-21-87
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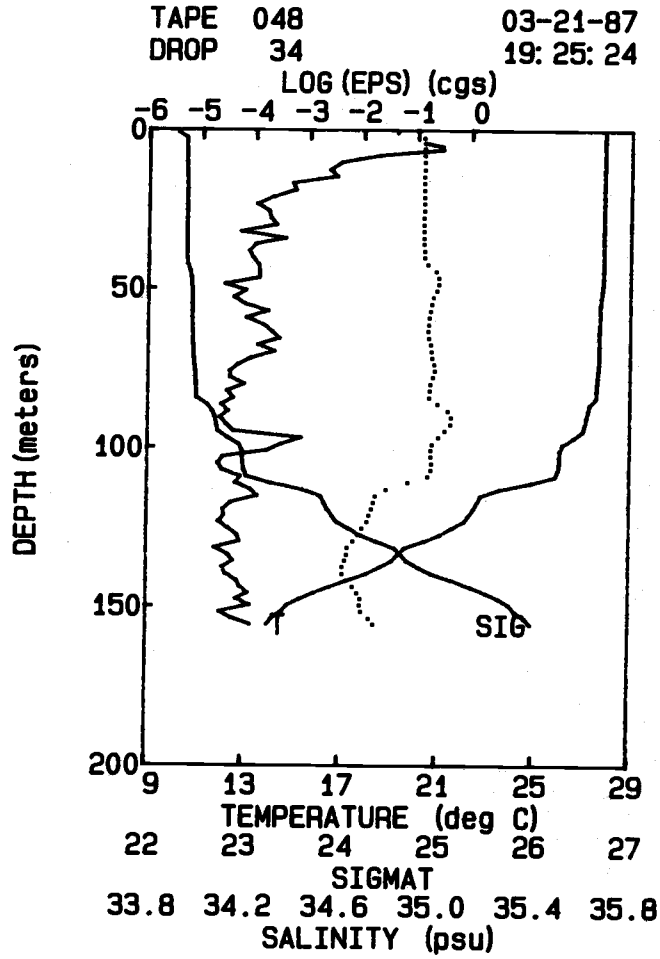
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-21-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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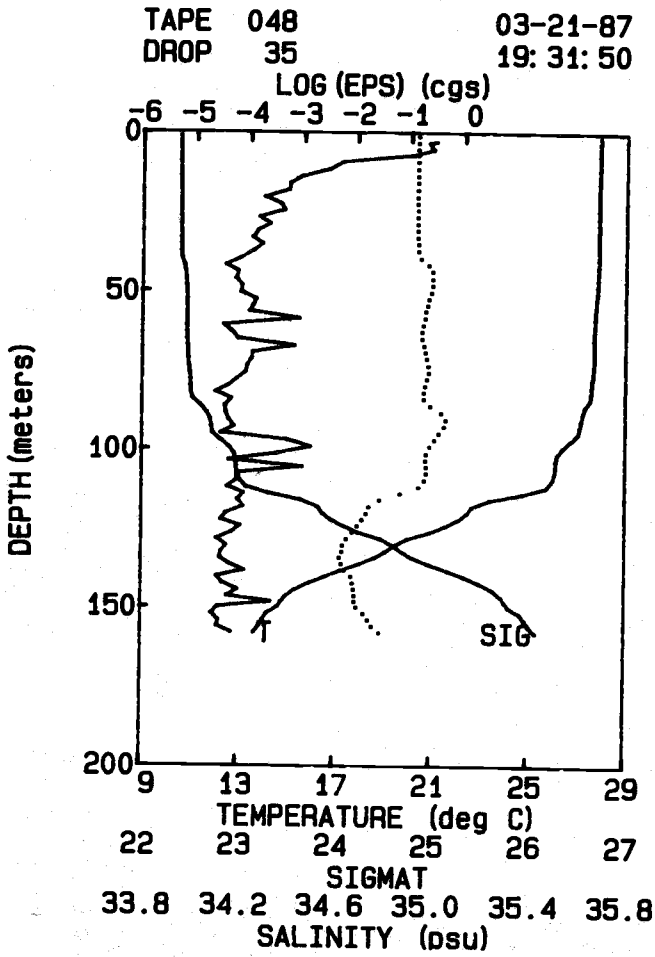
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
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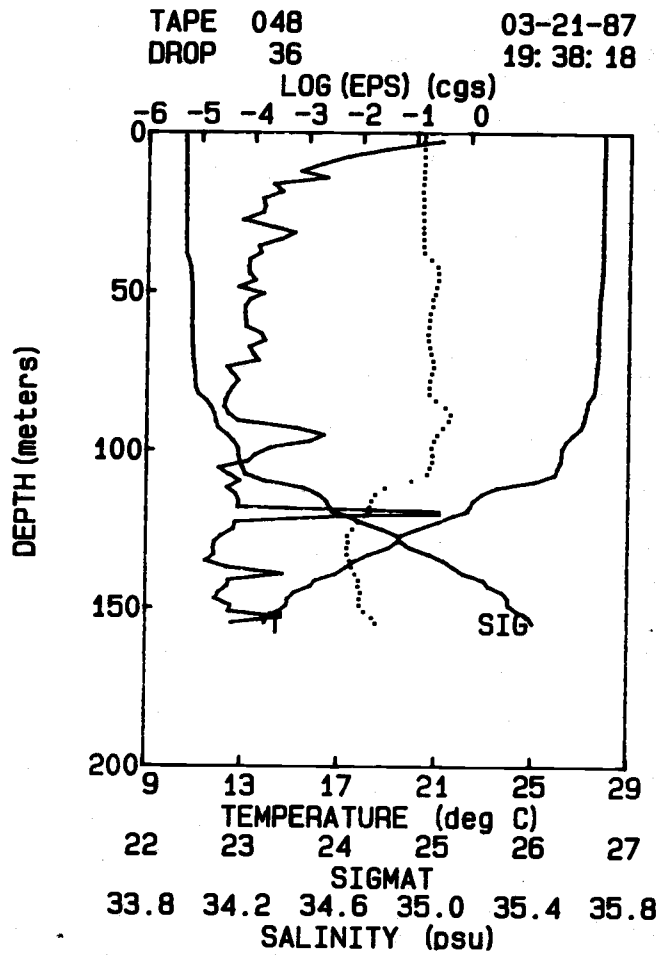
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
SIG
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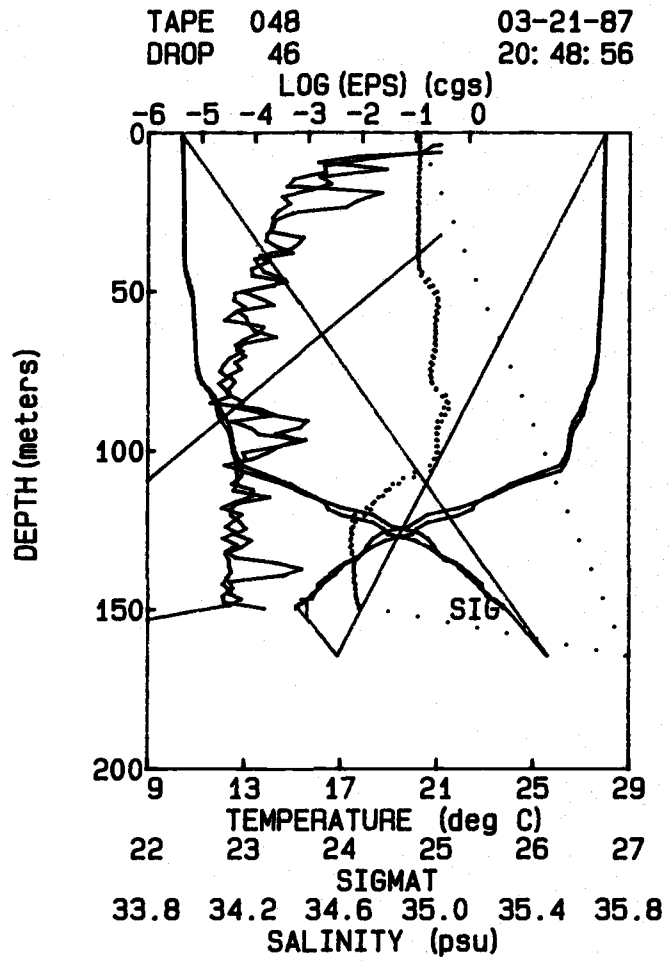
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 46
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LOG (EPS) (cgs)
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0
50
100
150
200
DEPTH (meters)
SIG
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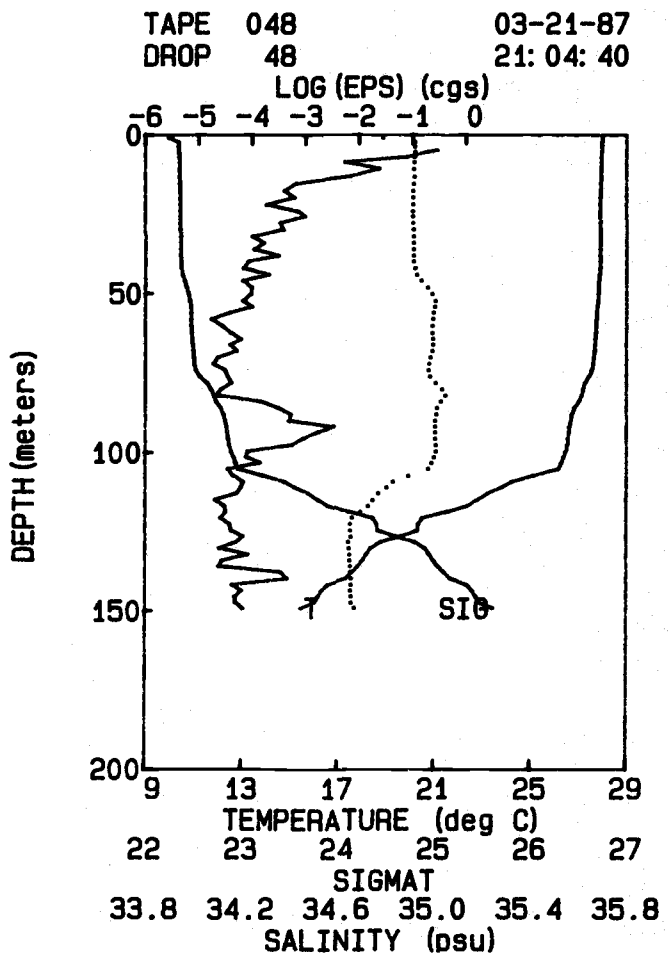
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
DEPTH (meters)
SIG
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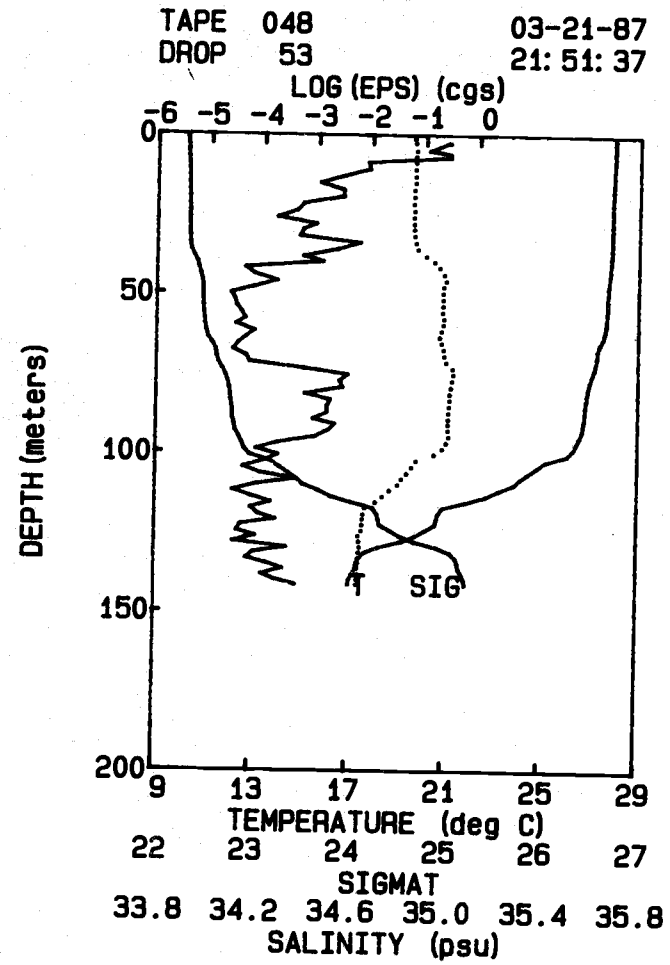
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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21: 51: 37
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
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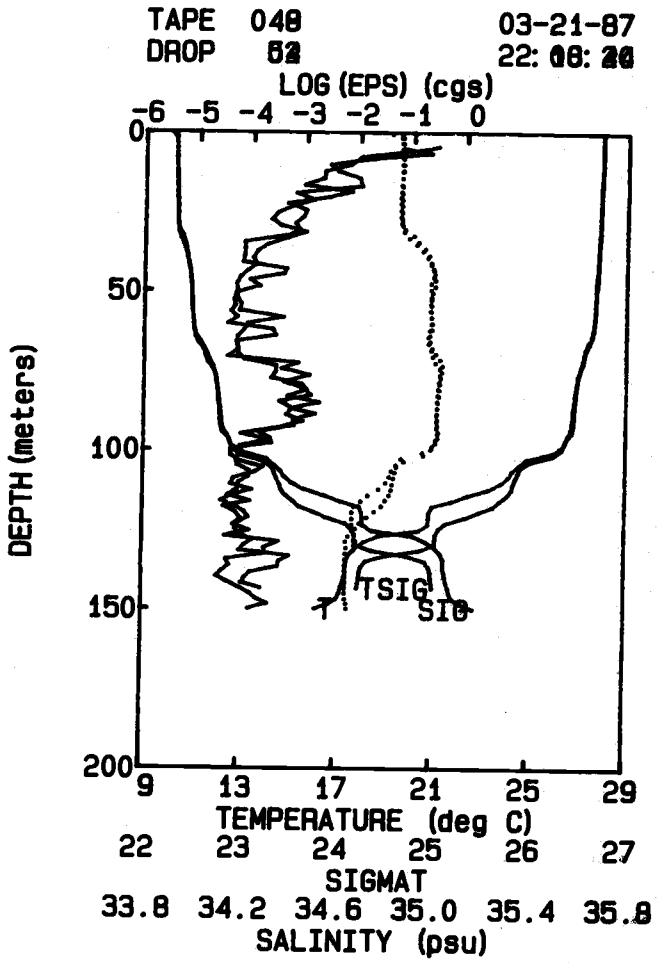
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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22: 08: 20
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T TSIG SIG
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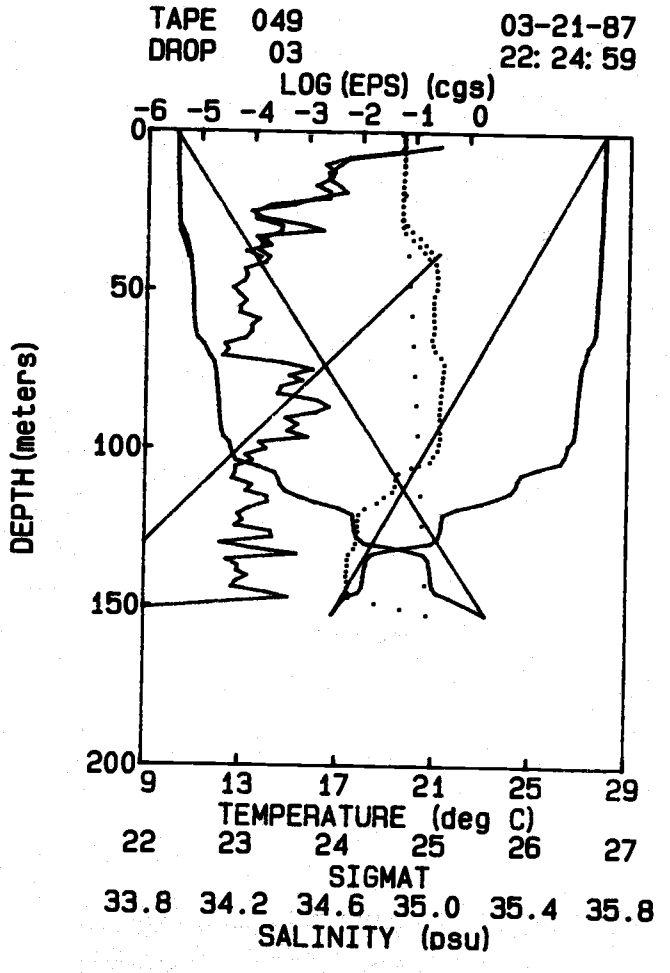
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
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TEMPERATURE (deg C)
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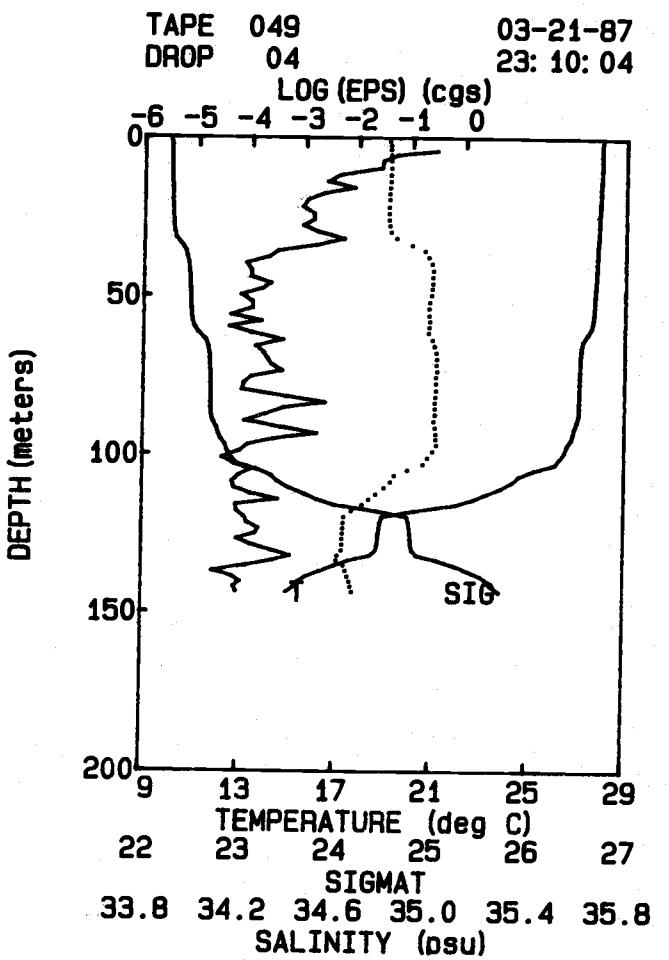
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T SIG
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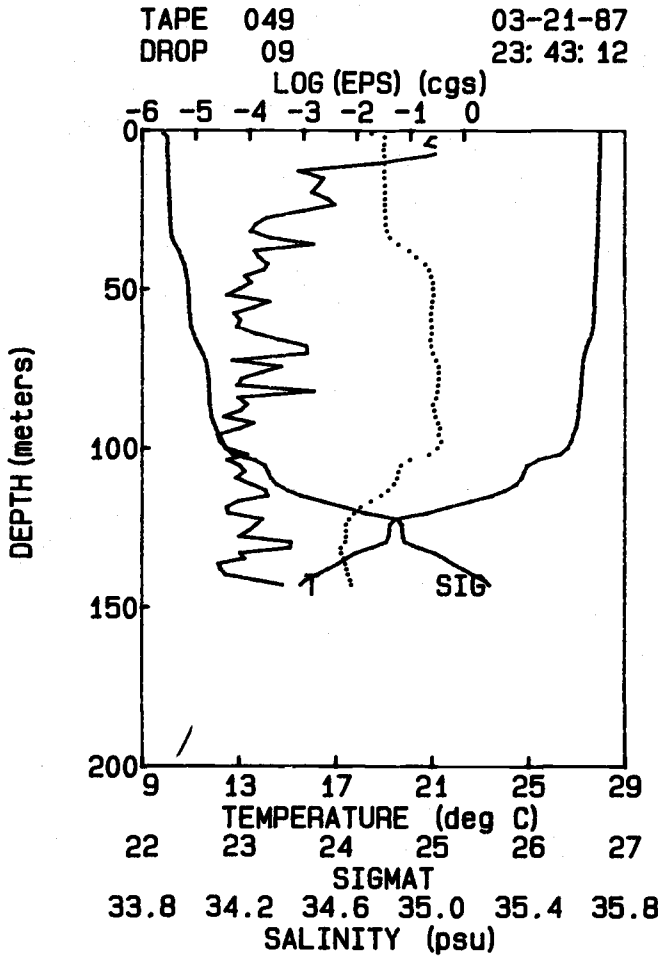
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
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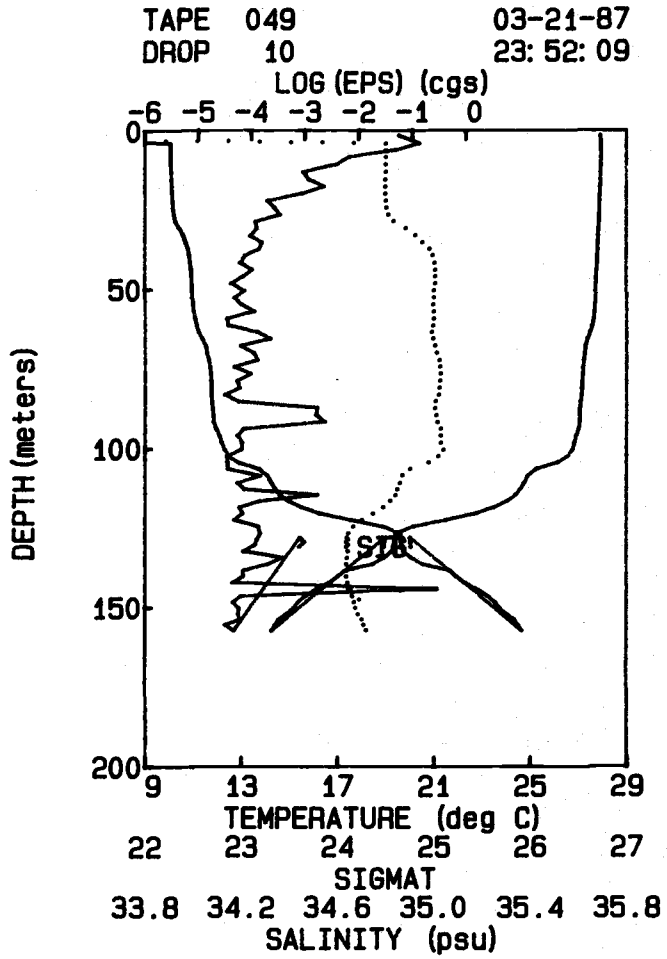
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIG
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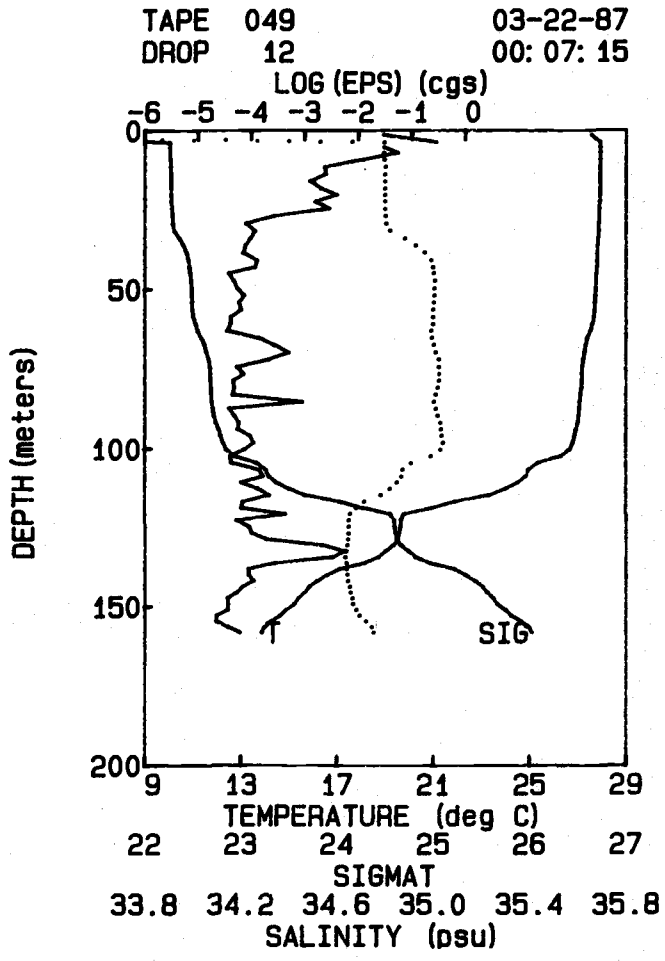
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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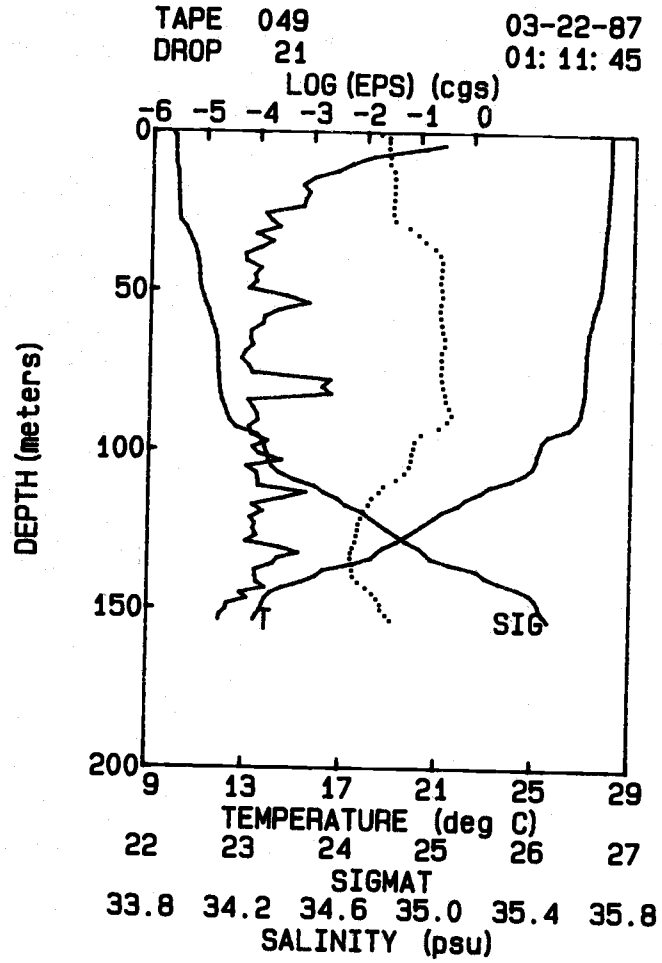
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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01: 11: 45
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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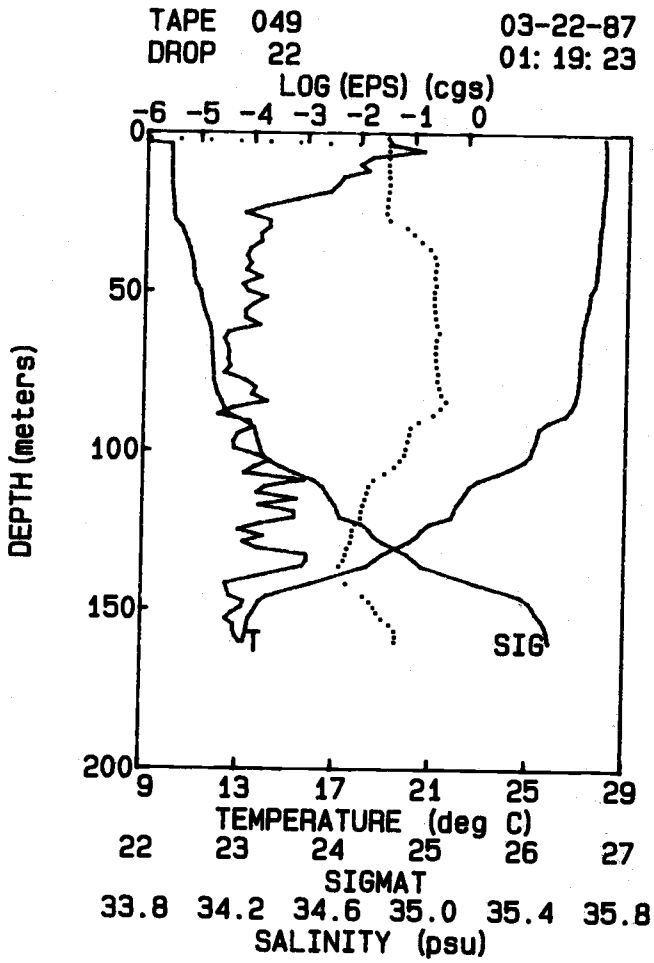
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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01: 19: 23
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
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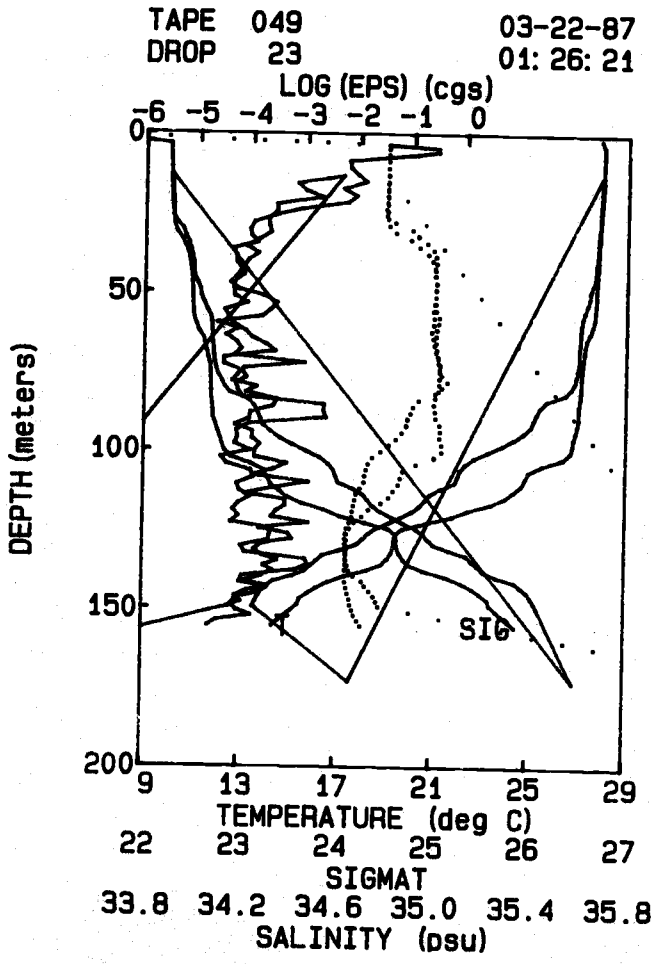
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01: 26: 21
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DEPTH (meters)
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50
100
150
200
SIG
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TEMPERATURE (deg C)
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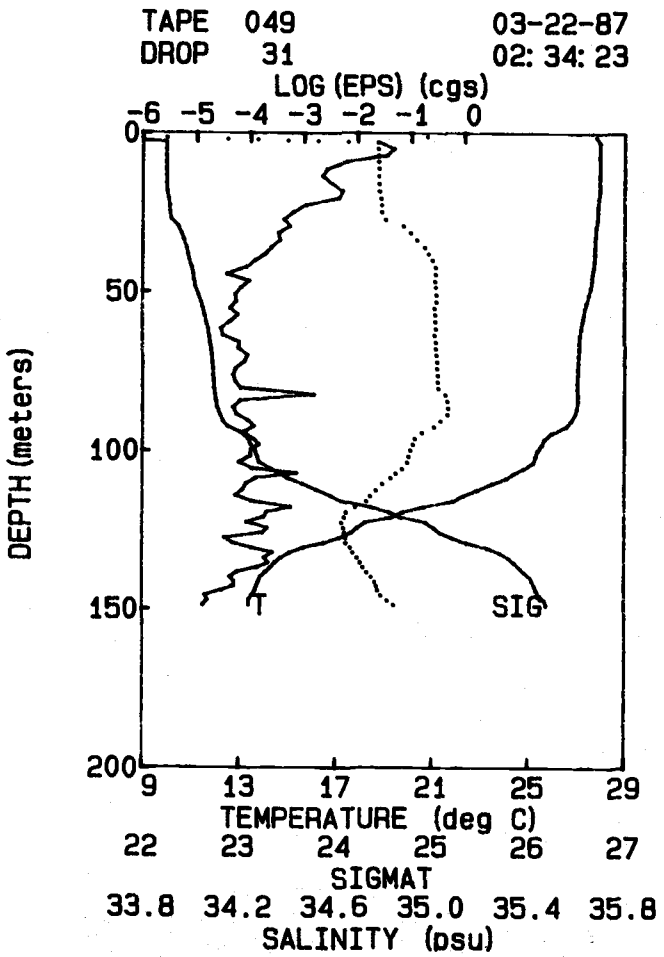
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 31
03-22-87
02: 34: 23
LOG (EPS) (cgs)
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0
50
100
150
200
DEPTH (meters)
T
SIG
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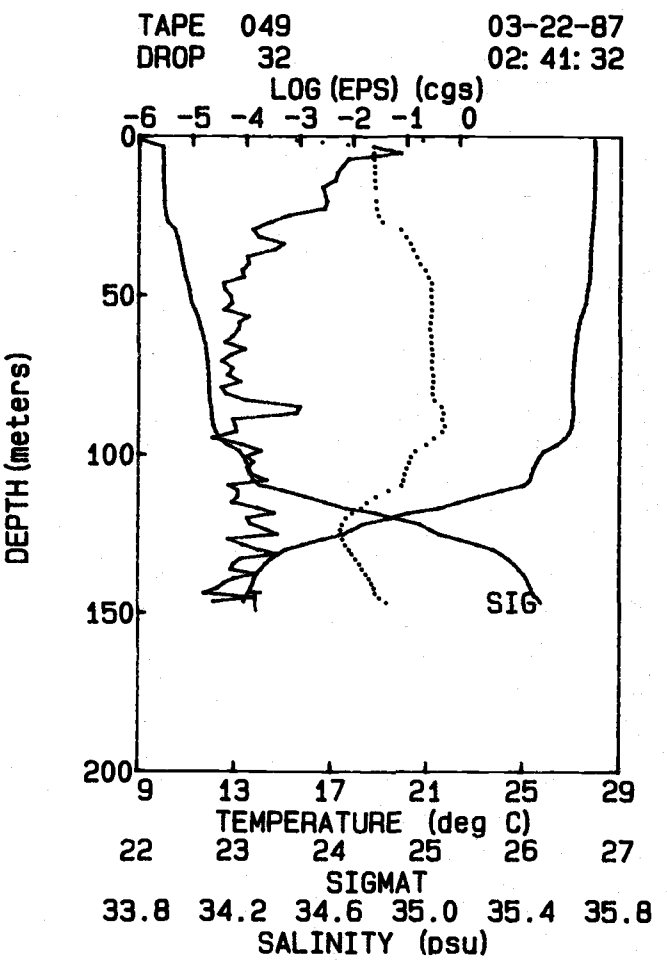
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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02: 41: 32
LOG (EPS) (cgs)
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0
50
100
150
200
DEPTH (meters)
T
SIG
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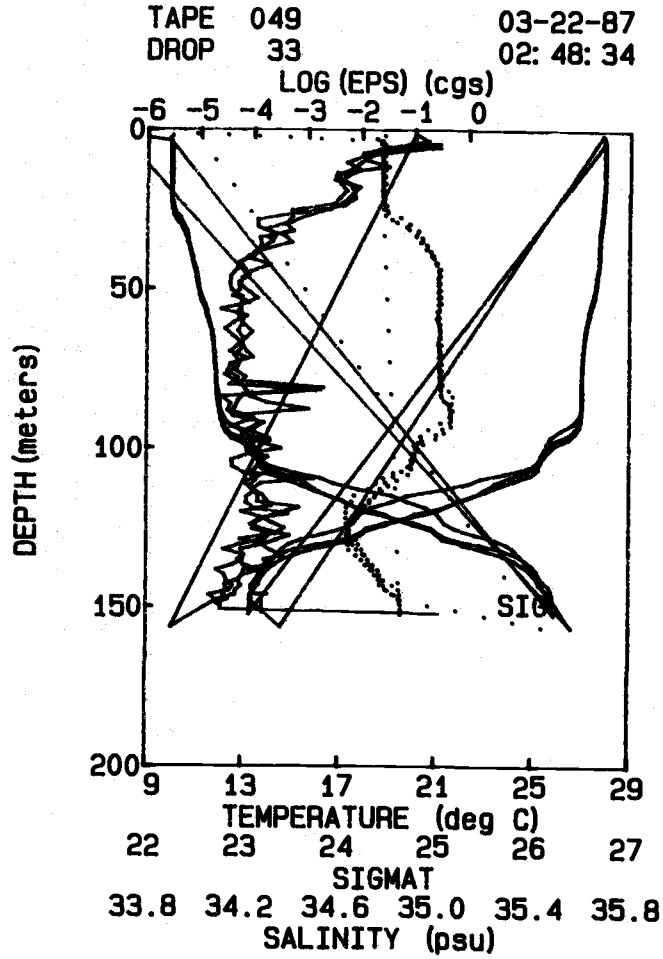
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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02: 48: 34
LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIG
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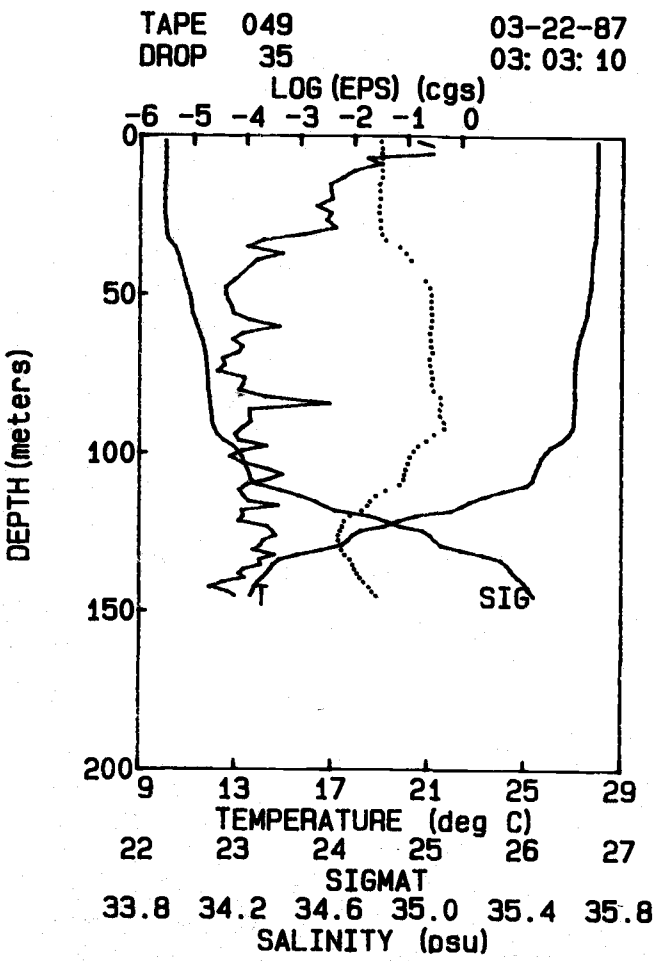
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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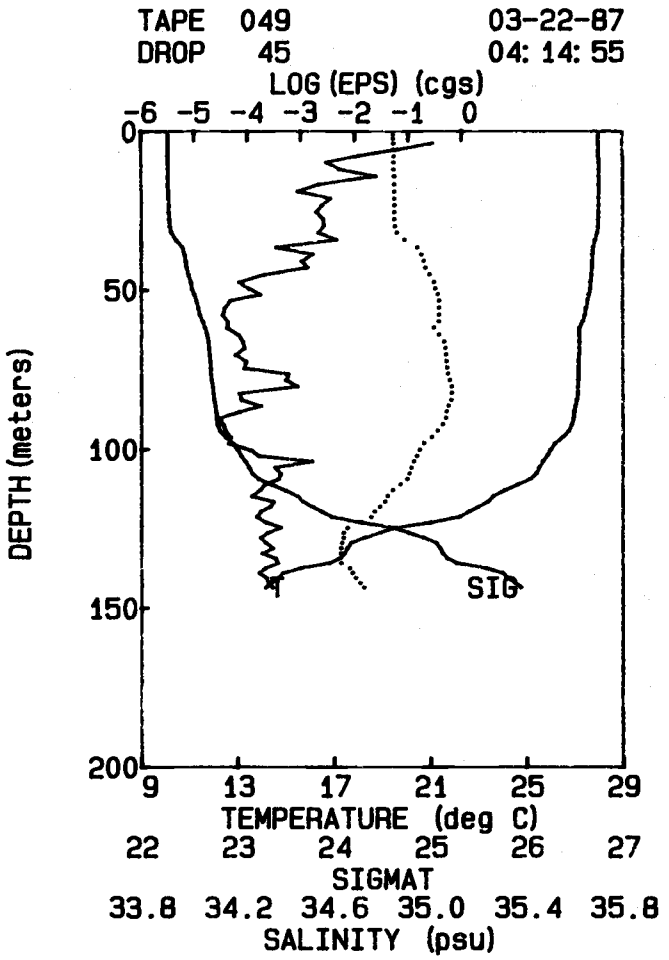
SALINITY (psu)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04: 14: 55
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50
100
150
200
DEPTH (meters)
SIG
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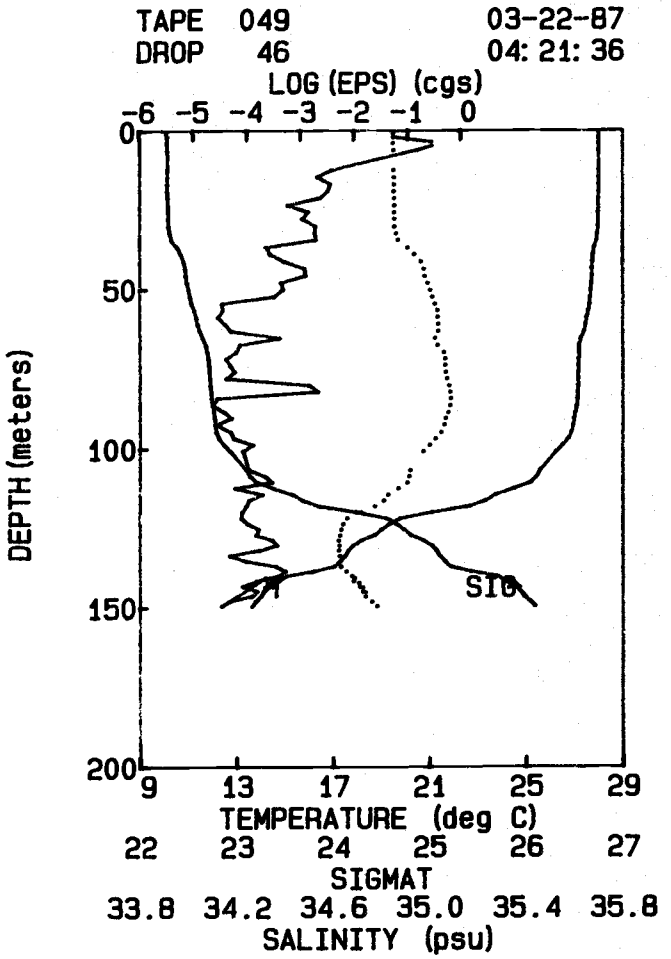
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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50
100
150
200
DEPTH (meters)
SIG
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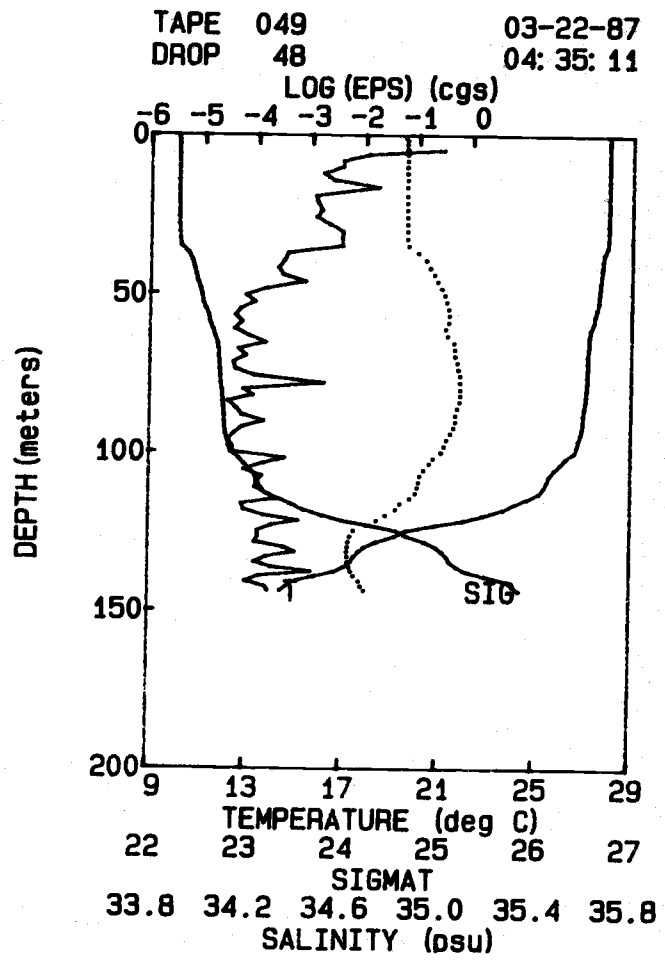
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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50
100
150
200
DEPTH (meters)
SIG
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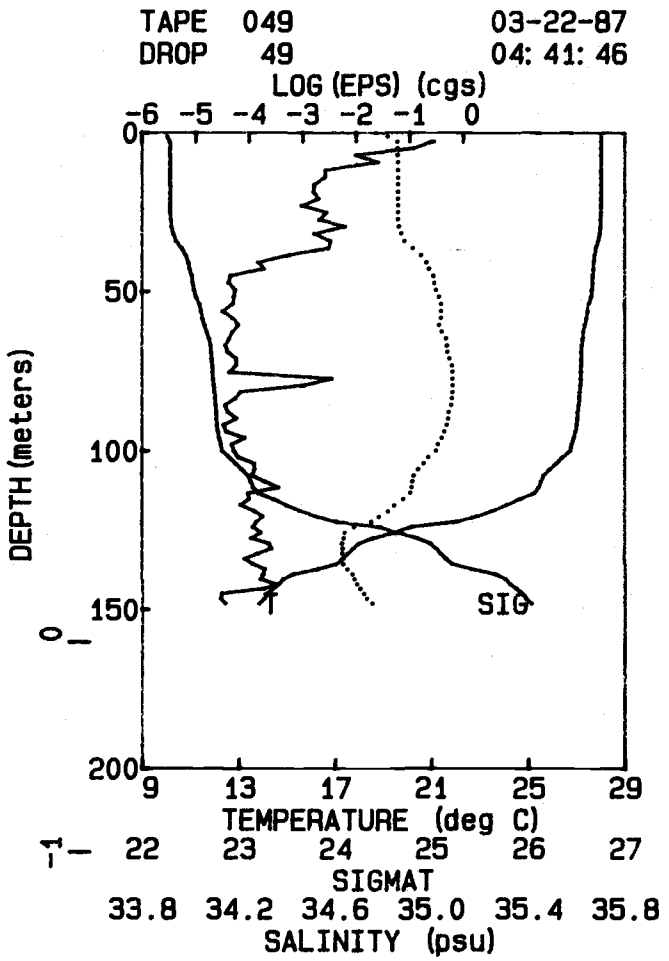
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
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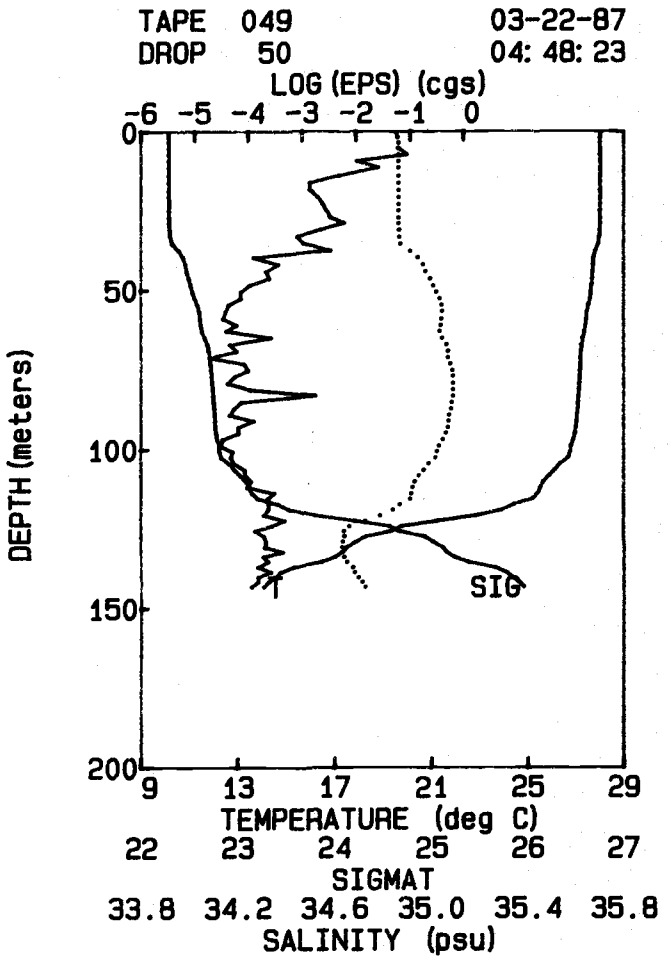
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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50
100
150
200
SIG
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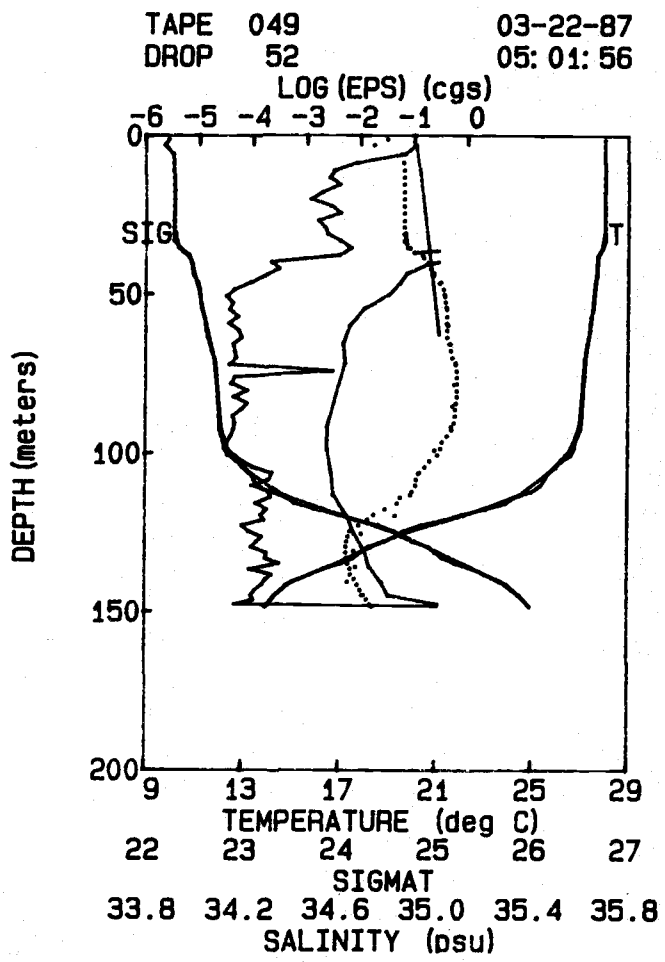
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)

SIG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DROP 52
03-22-87
05: 01: 56
LOG (EPS) (cgs)
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0
SIG
T
50
100
150
200
DEPTH (meters)
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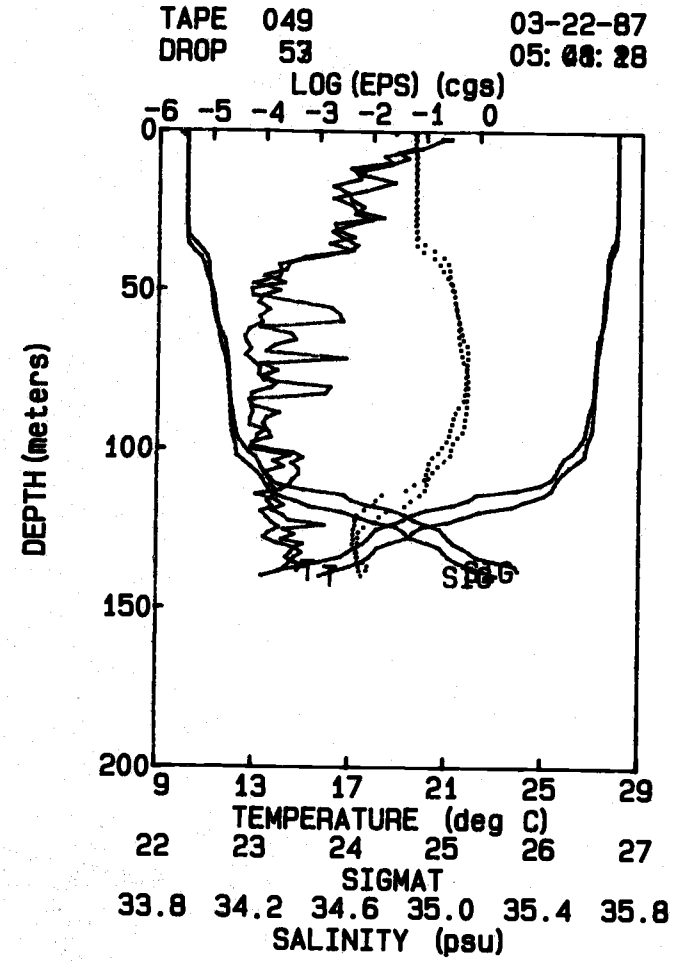
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-22-87
05: 08: 28
LOG (EPS) (cgs)
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DEPTH (meters)
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100
150
200
T
SIG
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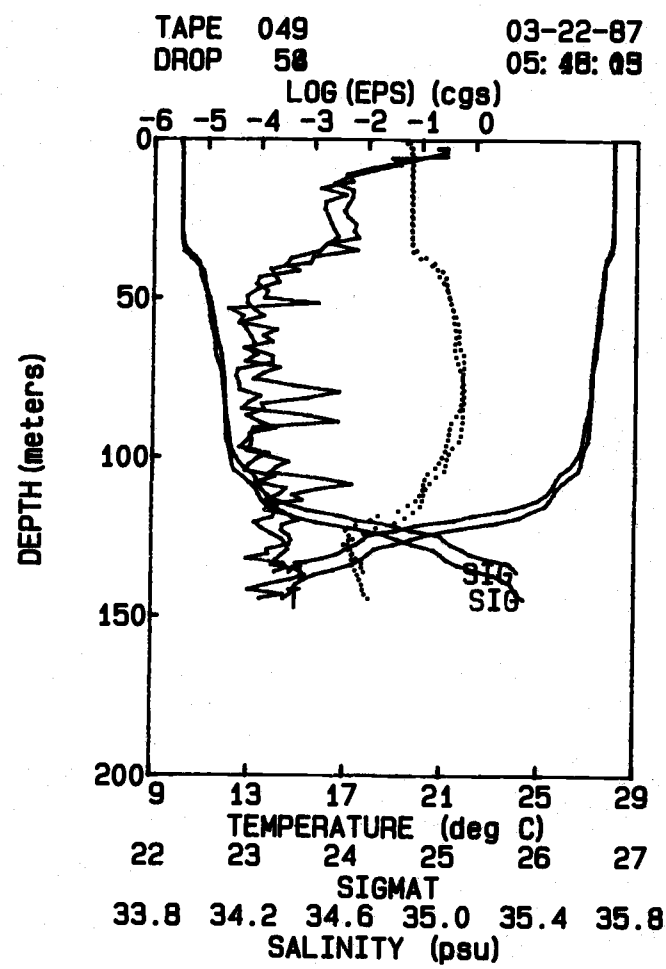
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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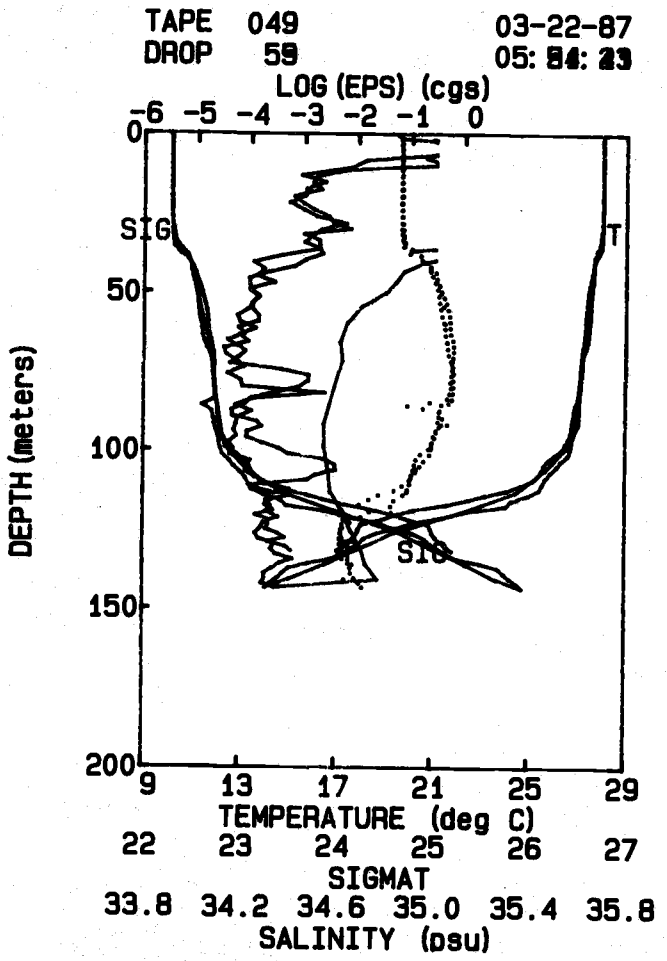
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
SIG
T
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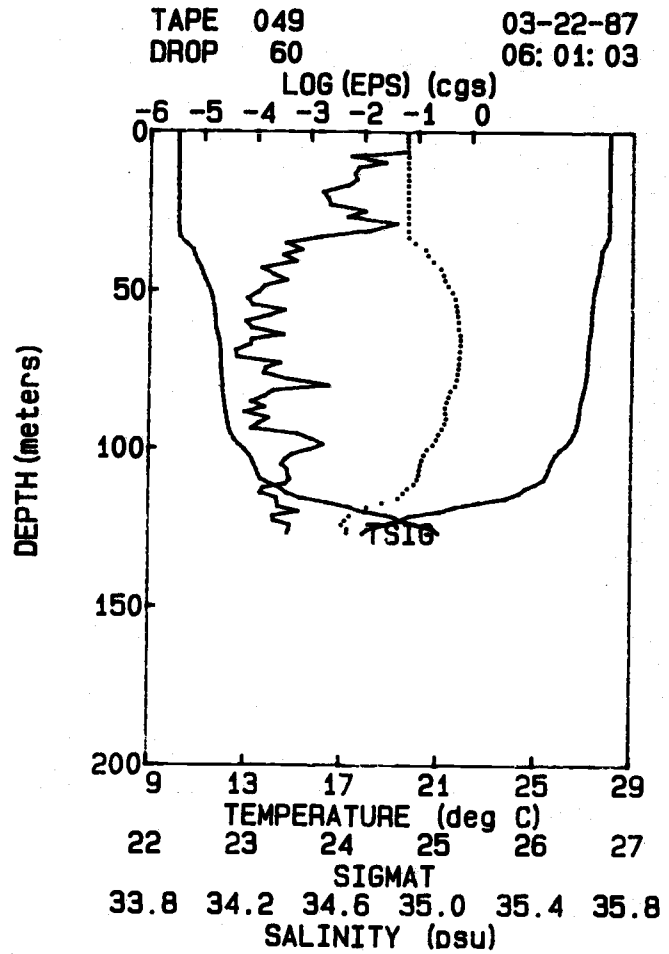
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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06: 01: 03
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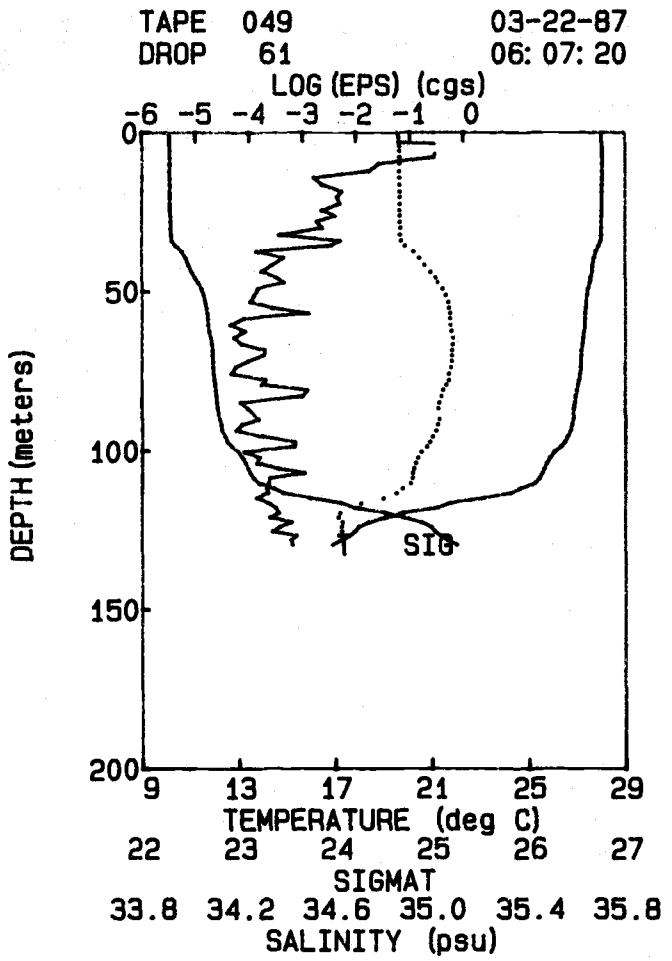
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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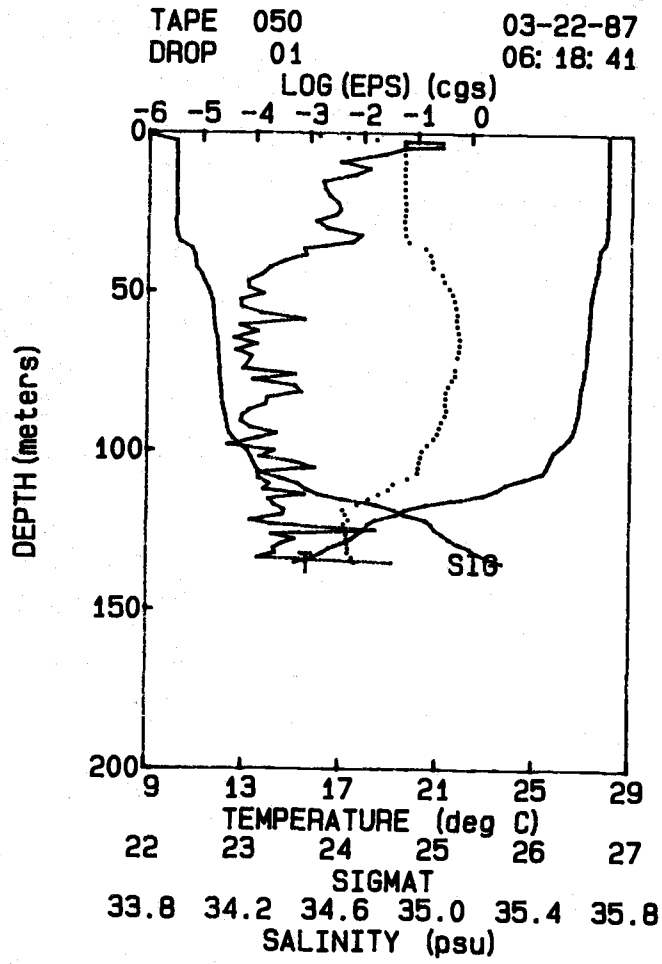
50
100
150
200
DEPTH (meters)
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-22-87
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LOG (EPS) (cgs)
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0
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100
150
200
DEPTH (meters)
SIO
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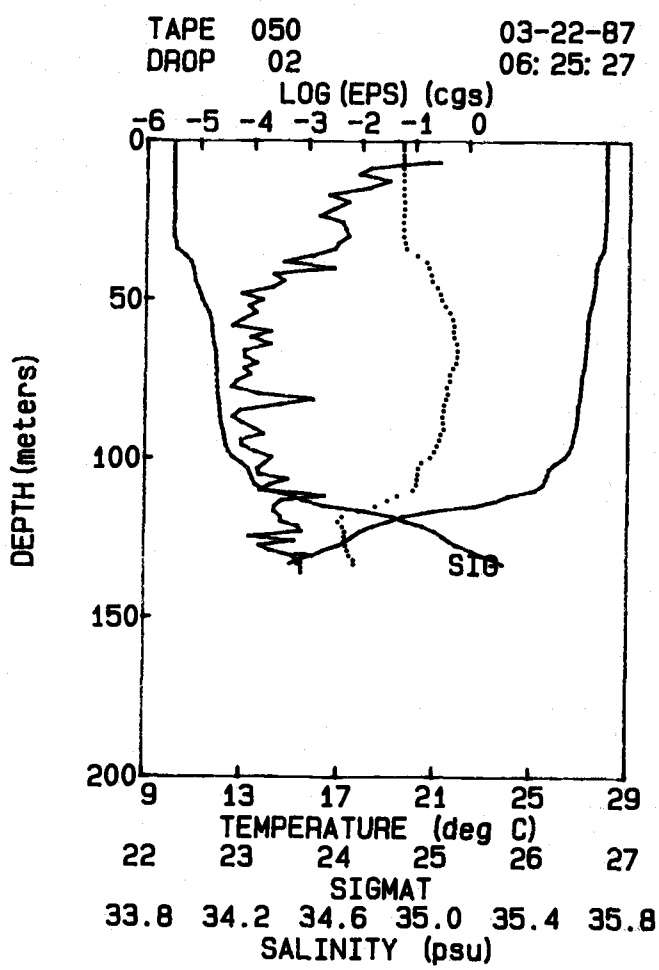
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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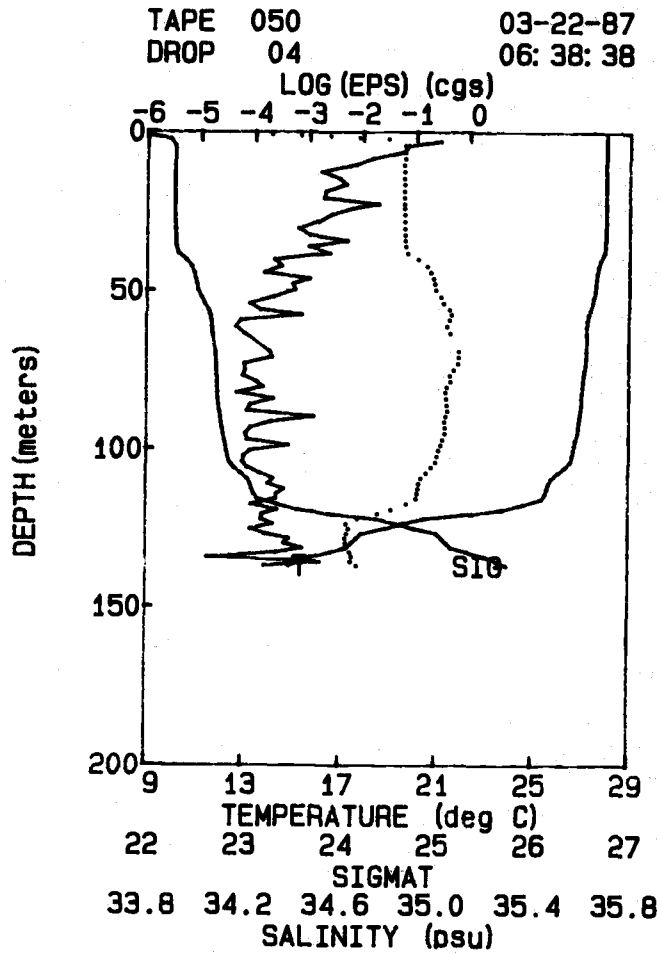
0
50
100
150
200
DEPTH (meters)
SIO
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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0
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100
150
200
DEPTH (meters)
SIO
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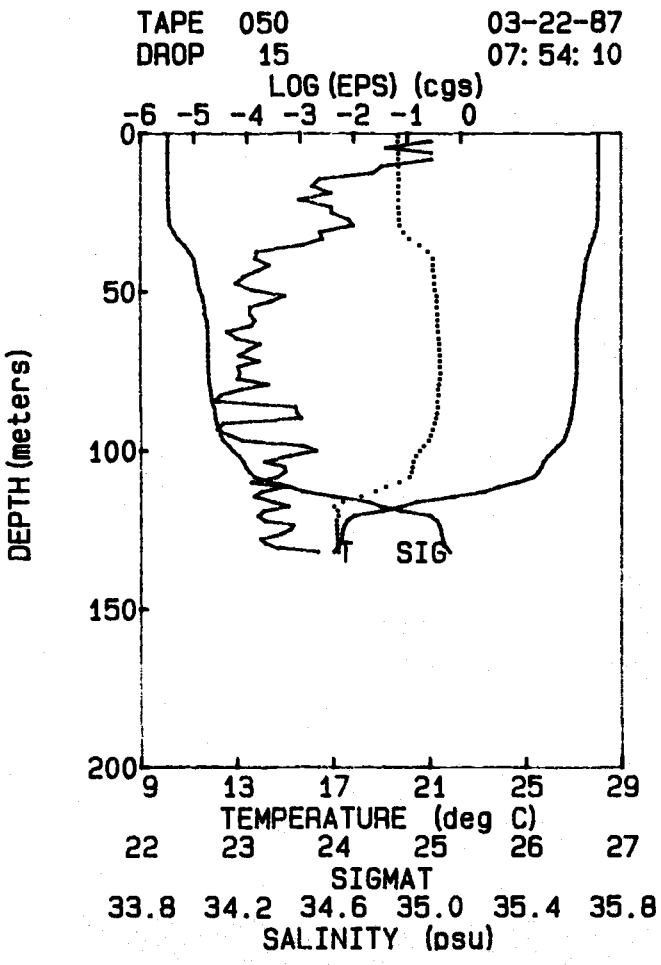
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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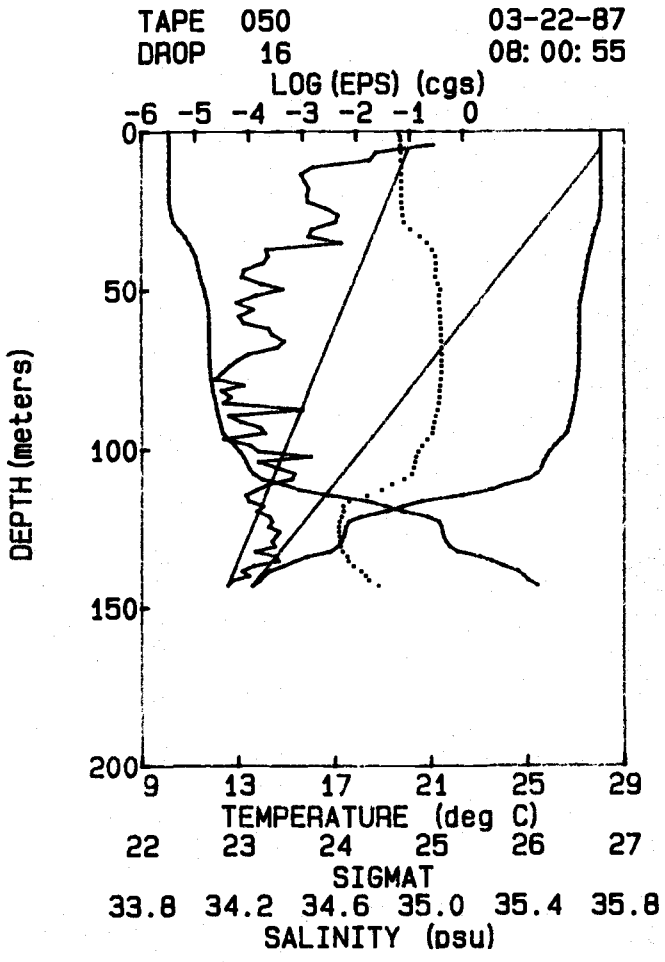
03-22-87
07: 54: 10
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
0
50
100
150
200
DEPTH (meters)
SIG
T
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 16
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LOG (EPS) (cgs)
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100
150
200
DEPTH (meters)
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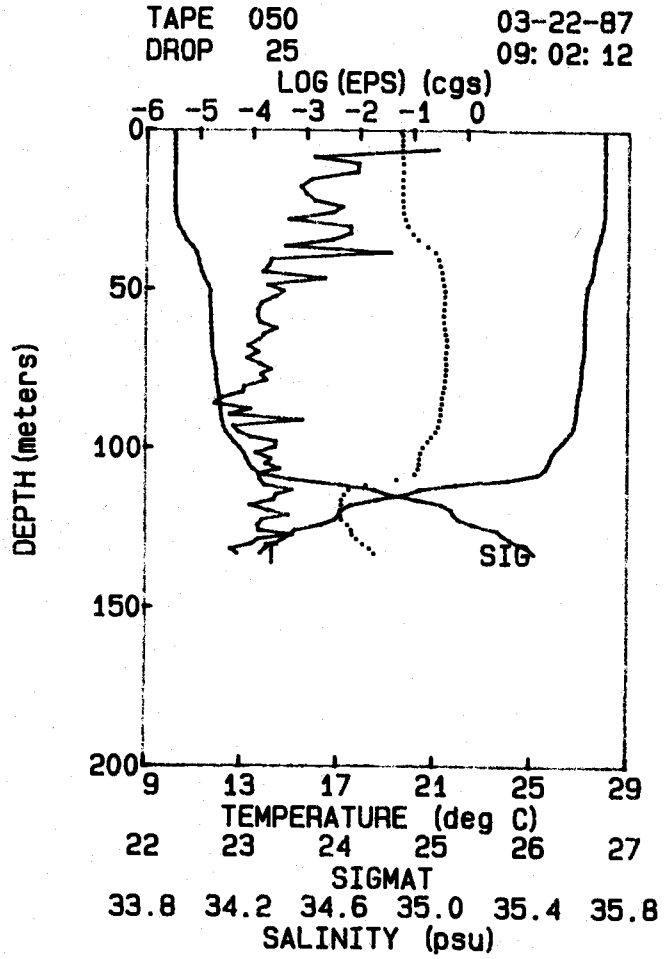
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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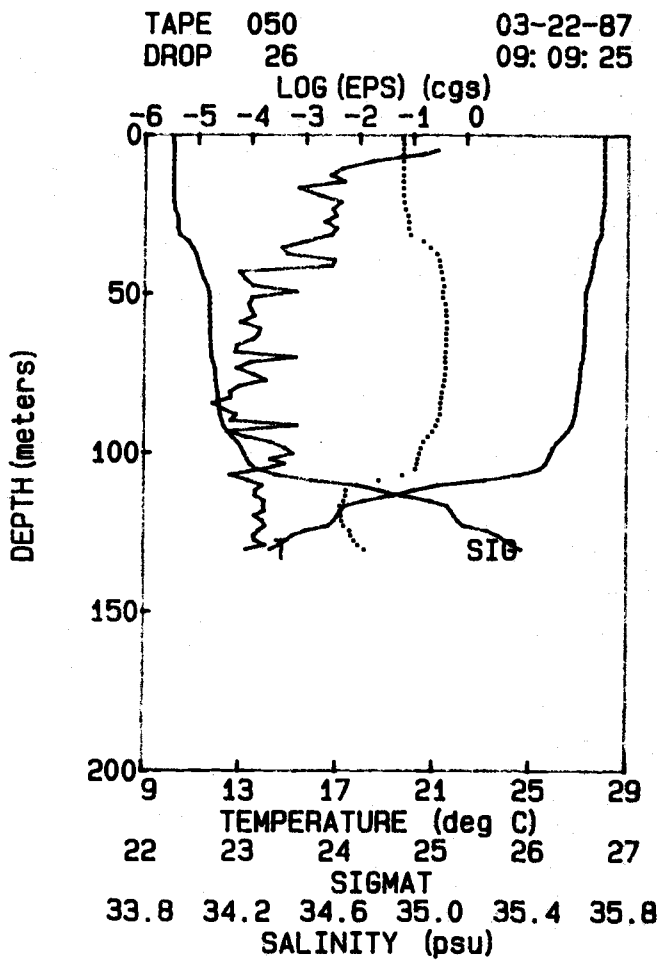
100
150
200
DEPTH (meters)
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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0
50
100
150
200
DEPTH (meters)
SIG
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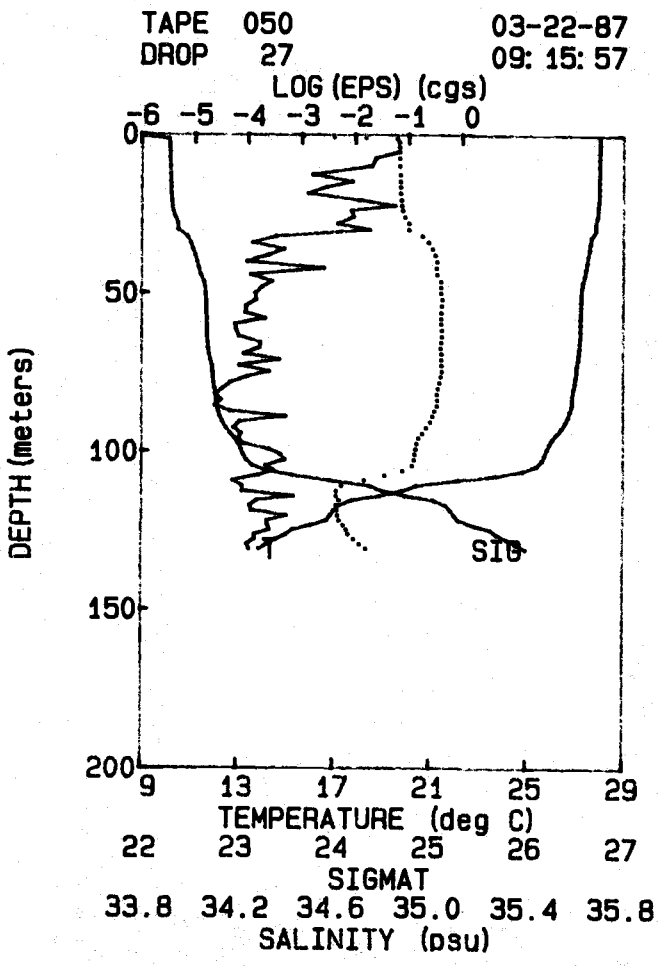
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-22-87
09: 15: 57
LOG (EPS) (cgs)
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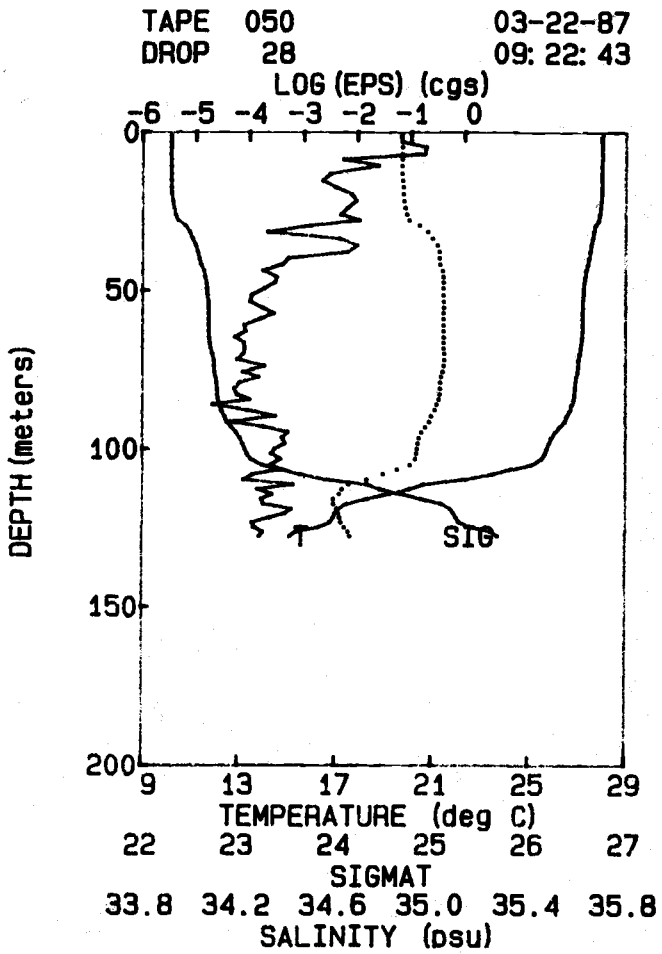
0
50
100
150
200
DEPTH (meters)
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-22-87
09: 22: 43
LOG (EPS) (cgs)
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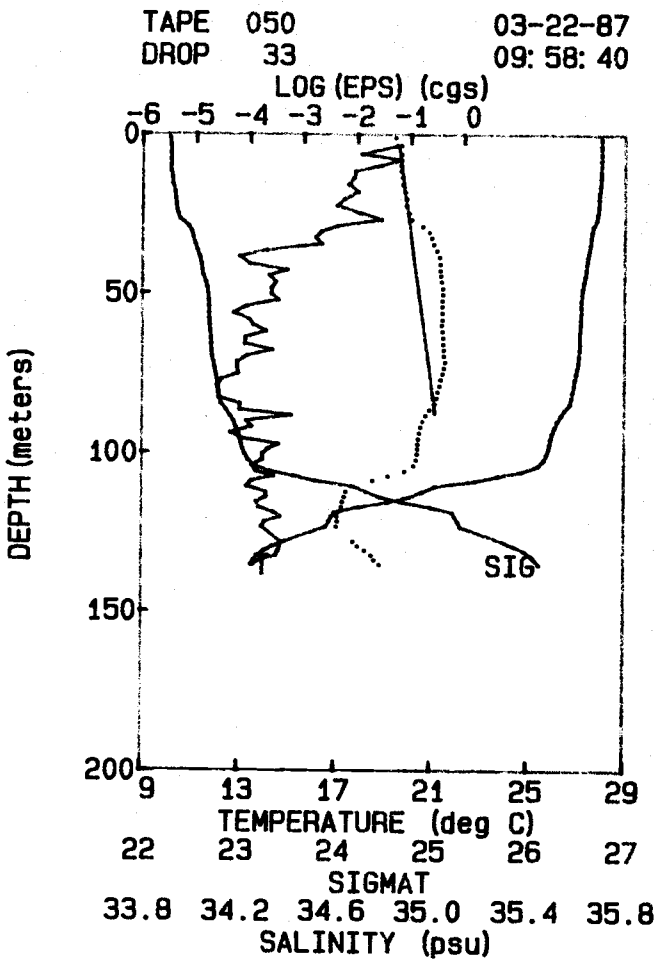
0
50
100
150
200
DEPTH (meters)
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 33
03-22-87
09: 58: 40
LOG (EPS) (cgs)
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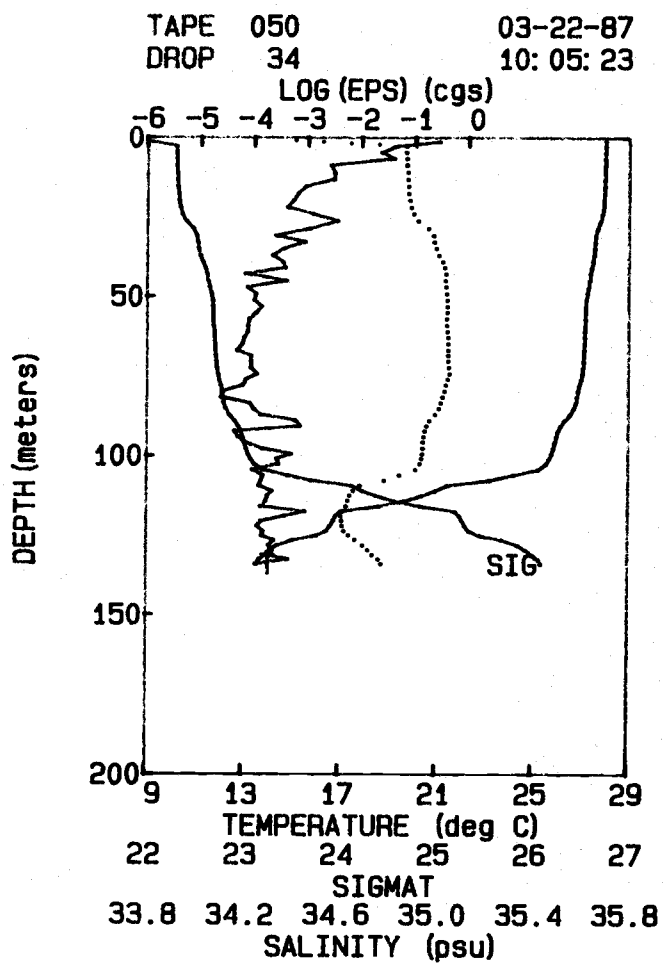
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 34
03-22-87
10: 05: 23
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
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50
100
150
200
SIG
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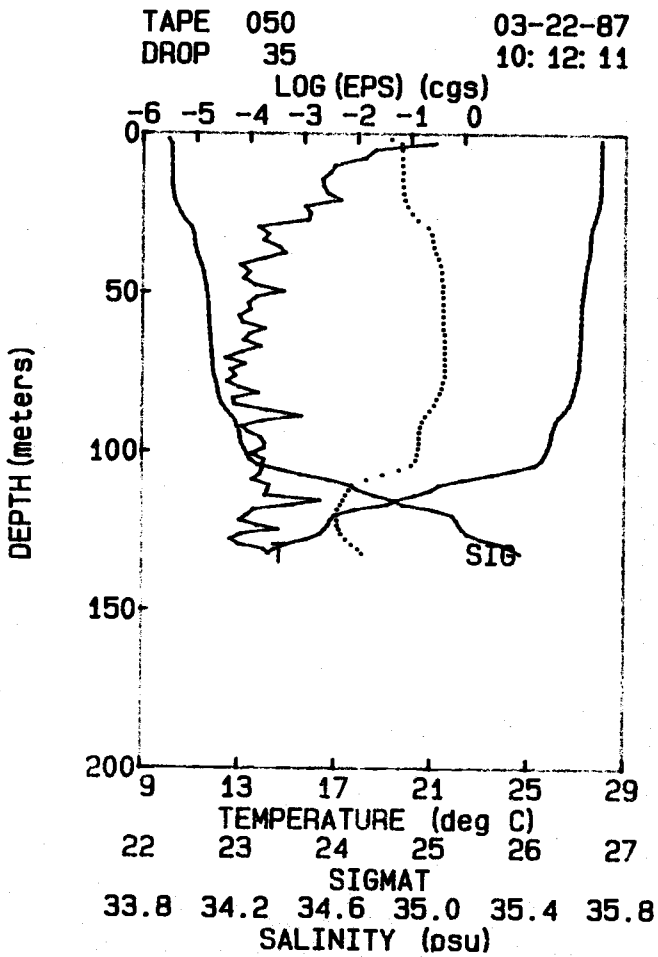
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 35
03-22-87
10: 12: 11
LOG (EPS) (cgs)
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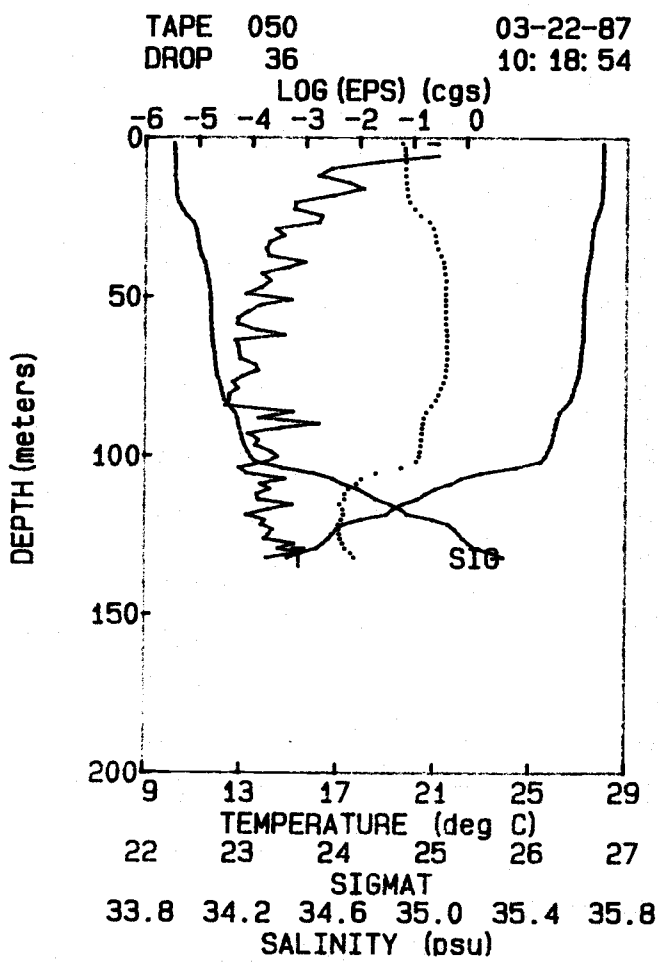
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 36
03-22-87
10: 18: 54
LOG (EPS) (cgs)
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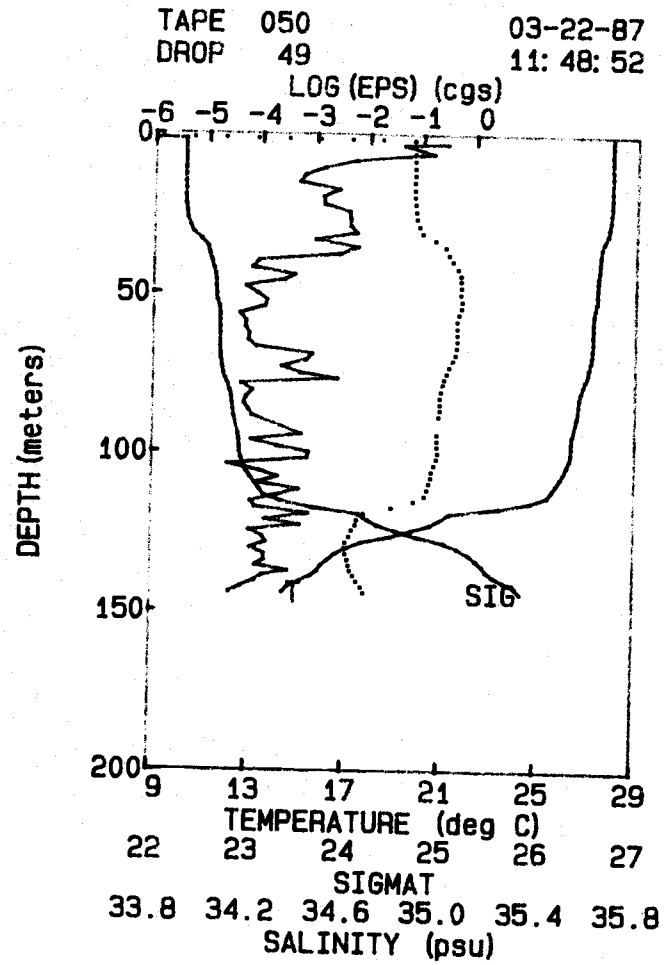
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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11: 48: 52
LOG (EPS) (cgs)
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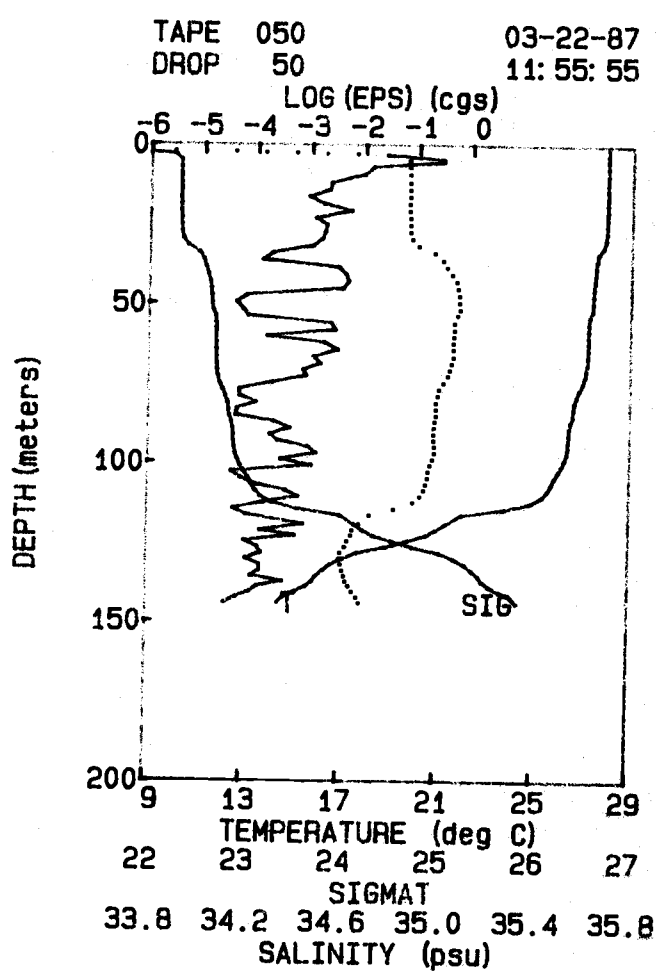
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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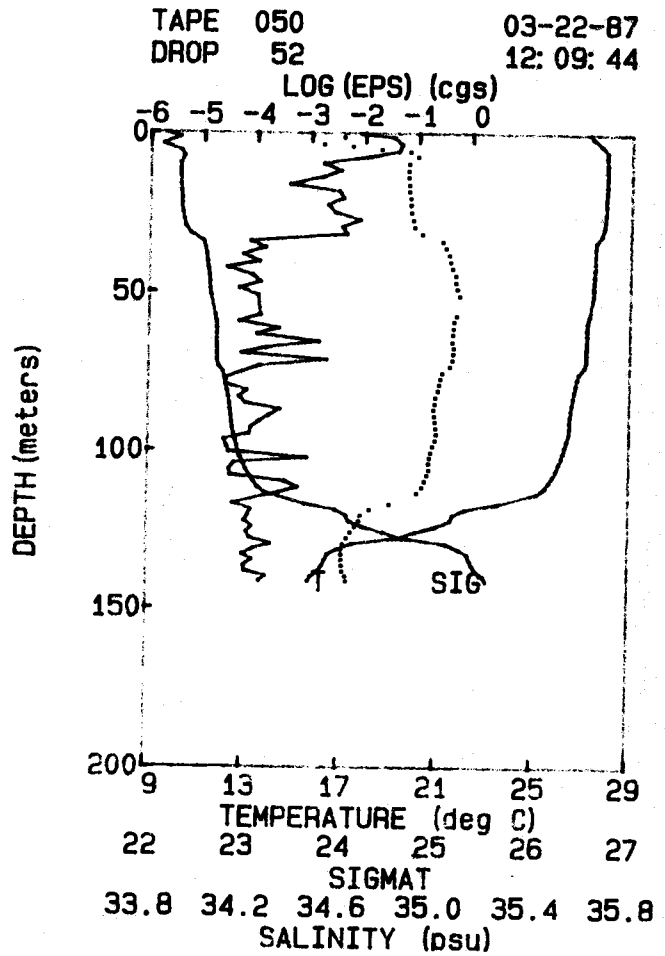
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 52
03-22-87
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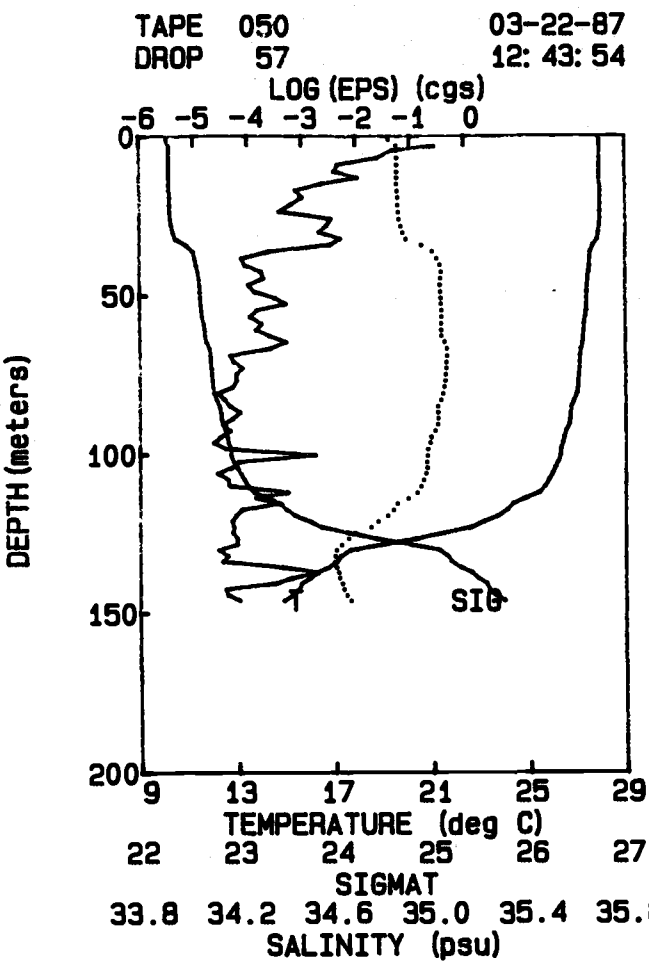
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 050
DROP 57
03-22-87
12: 43: 54
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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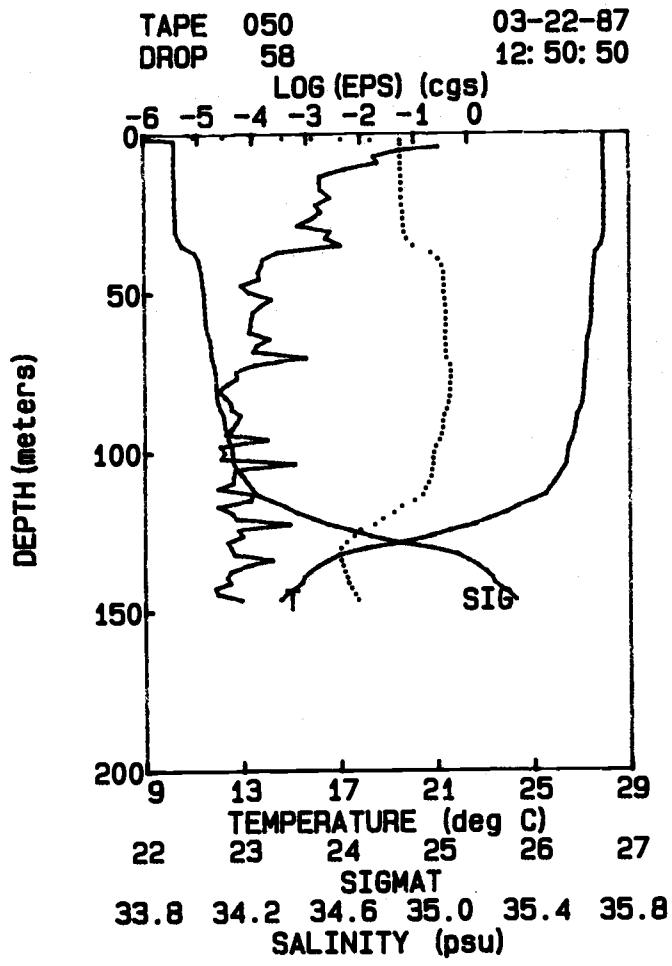
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
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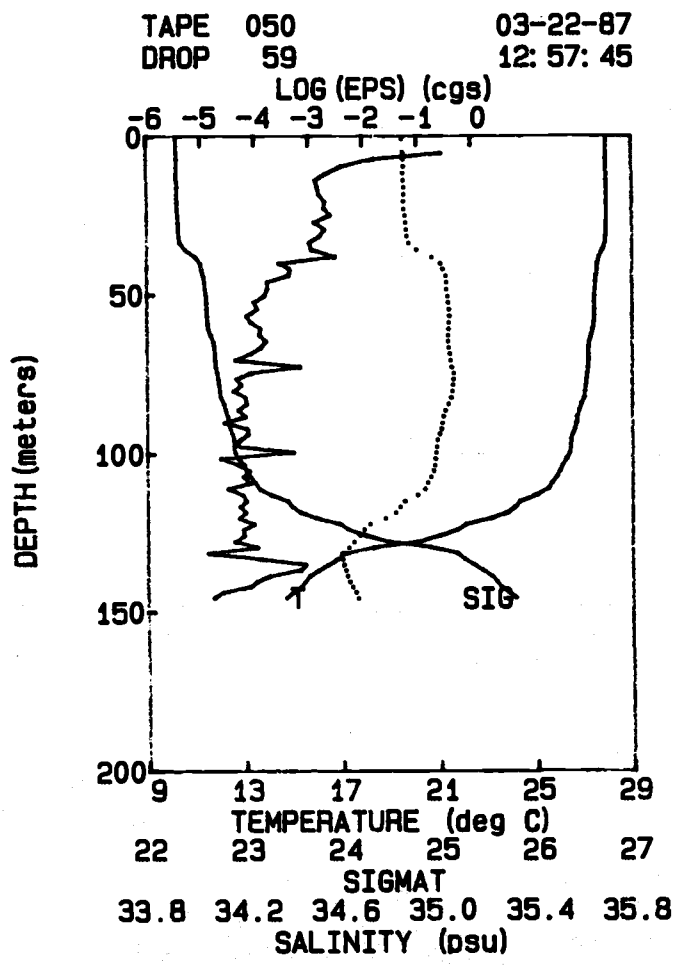
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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12: 57: 45
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DEPTH (meters)
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100
150
200
SIG
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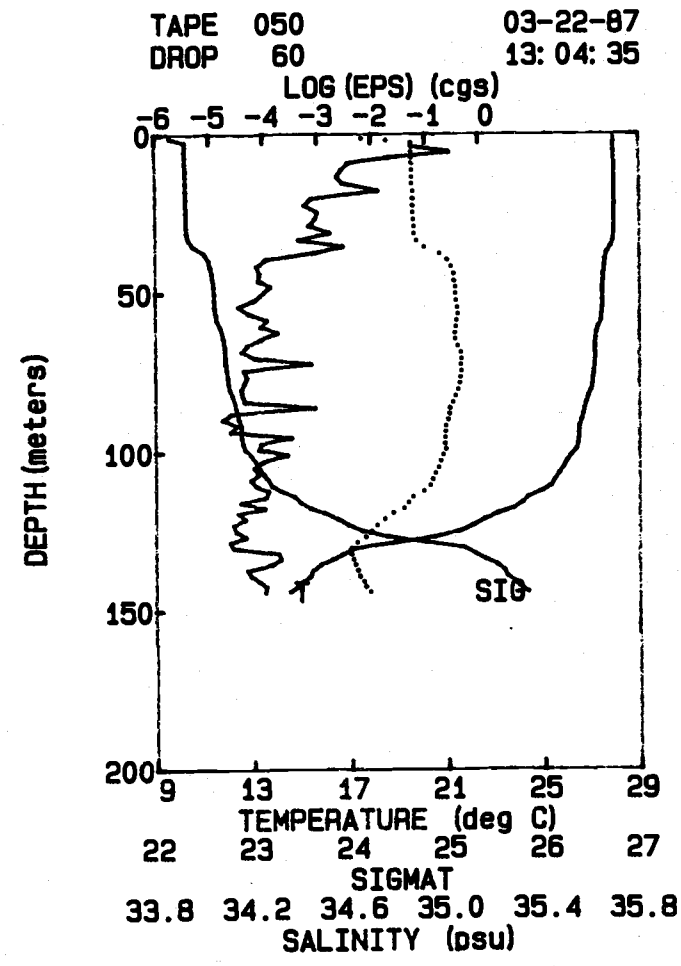
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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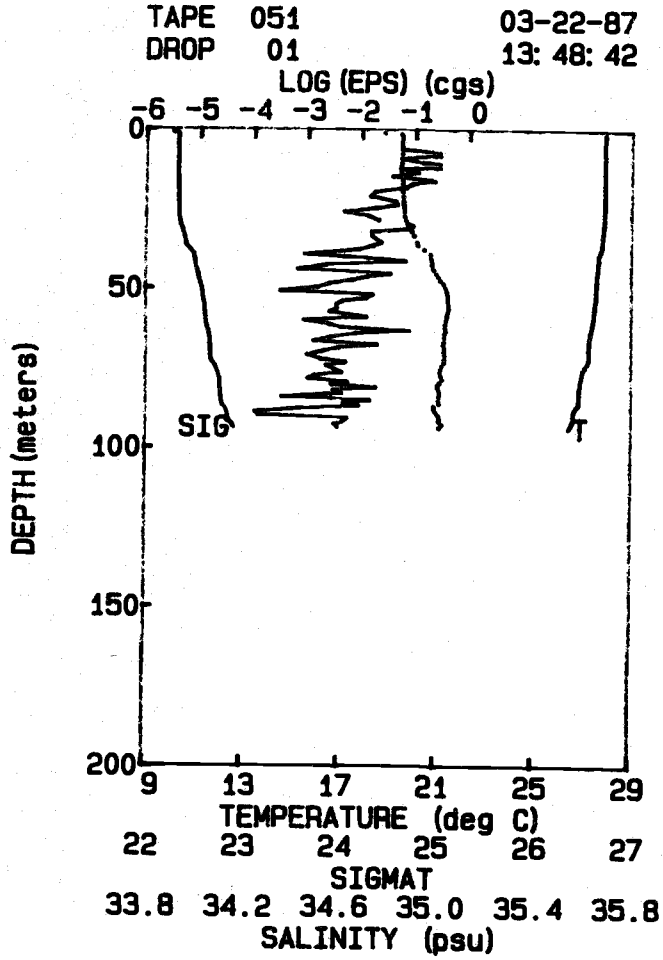
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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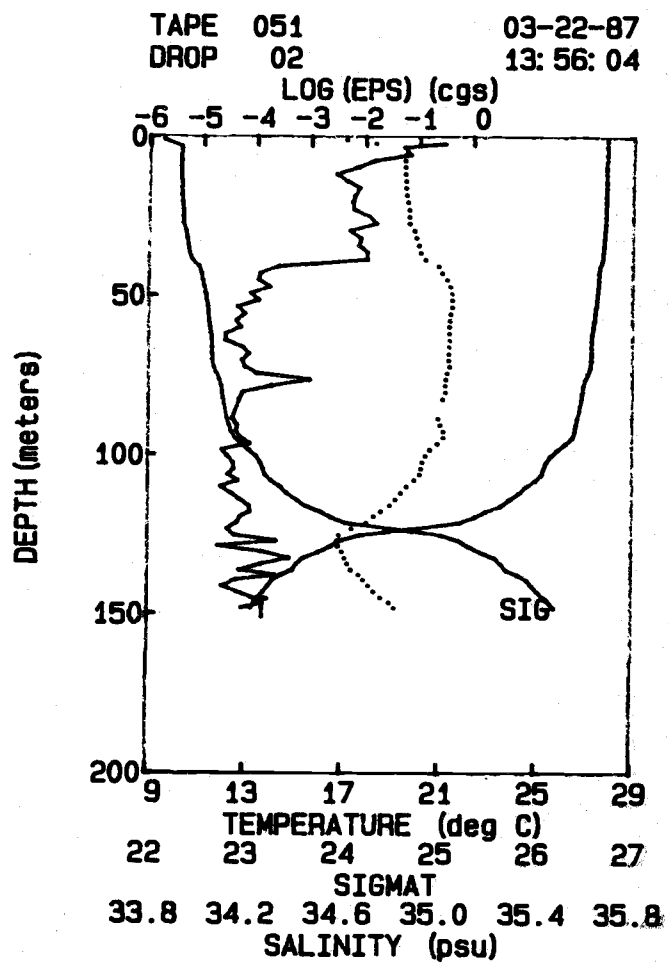
03-22-87
13: 48: 42
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
T
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 02
03-22-87
13: 56: 04
LOG (EPS) (cgs)
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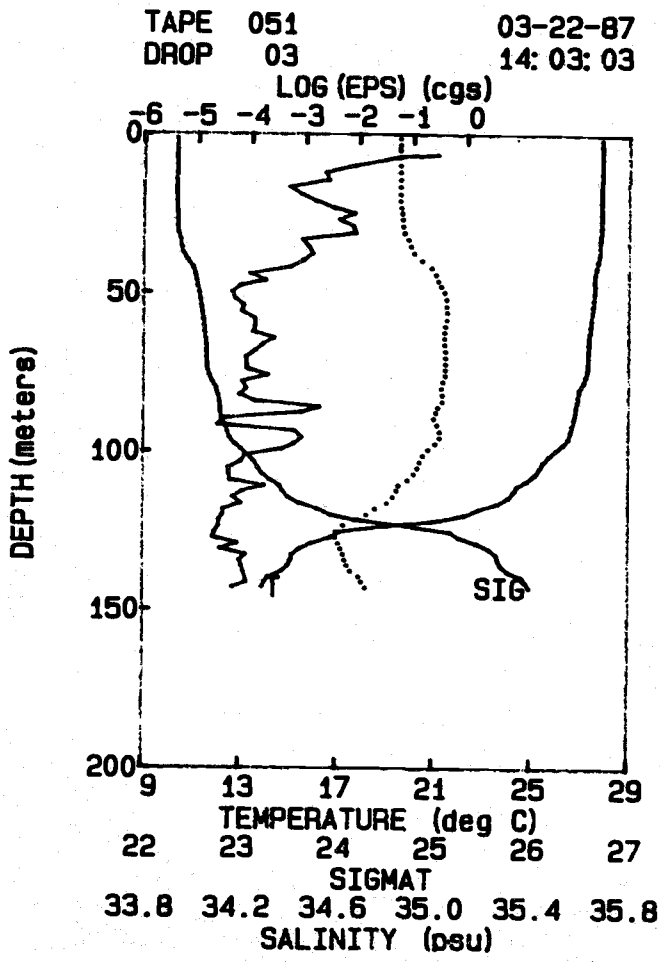
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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14: 03: 03
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DEPTH (meters)
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50
100
150
200
SIG
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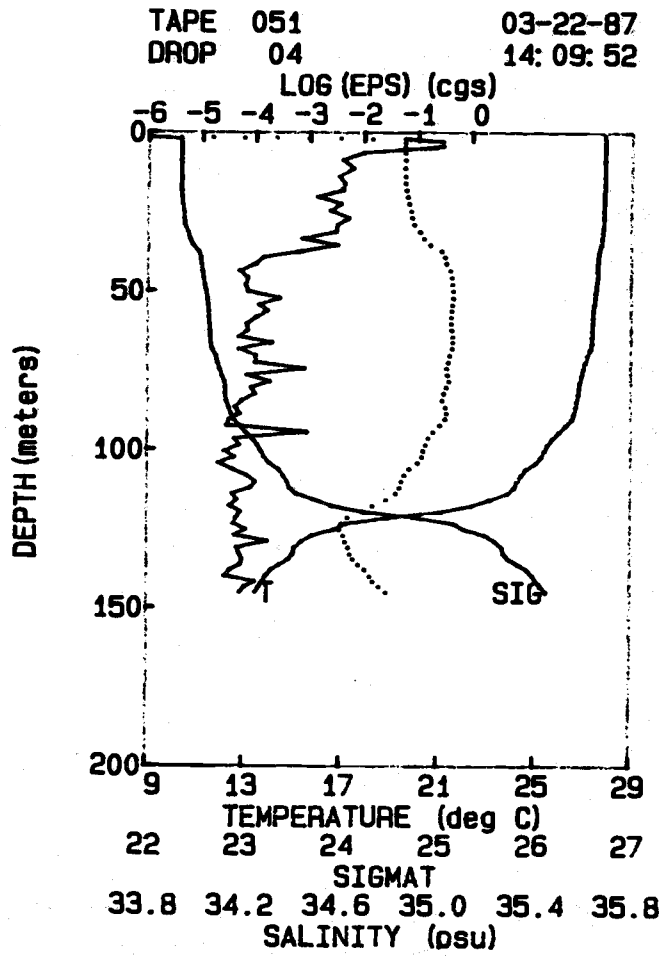
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-22-87
14: 09: 52
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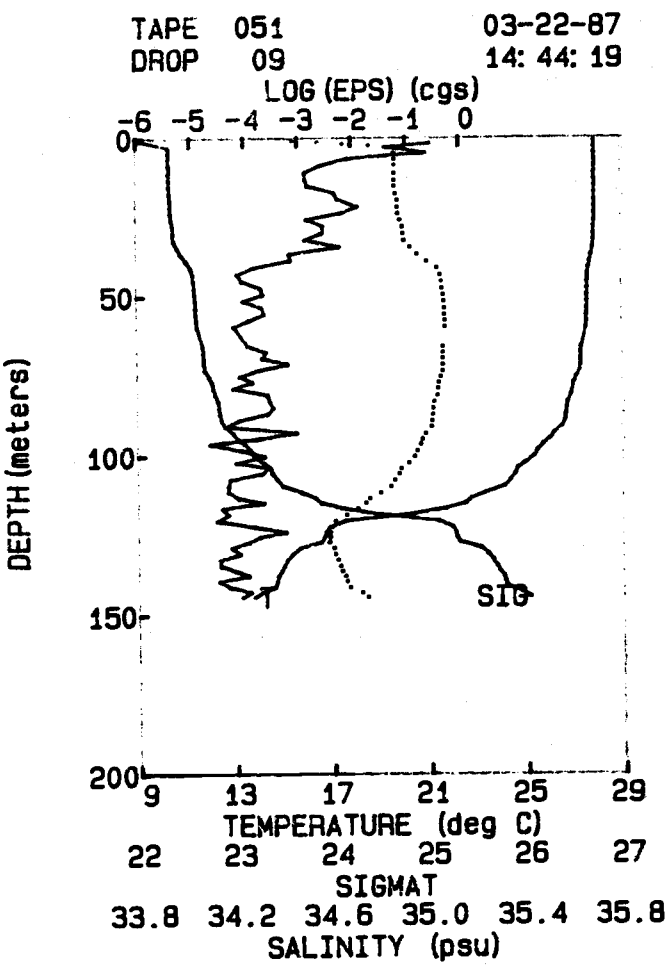
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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14: 44: 19
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0
50
100
150
200
DEPTH (meters)
SIG
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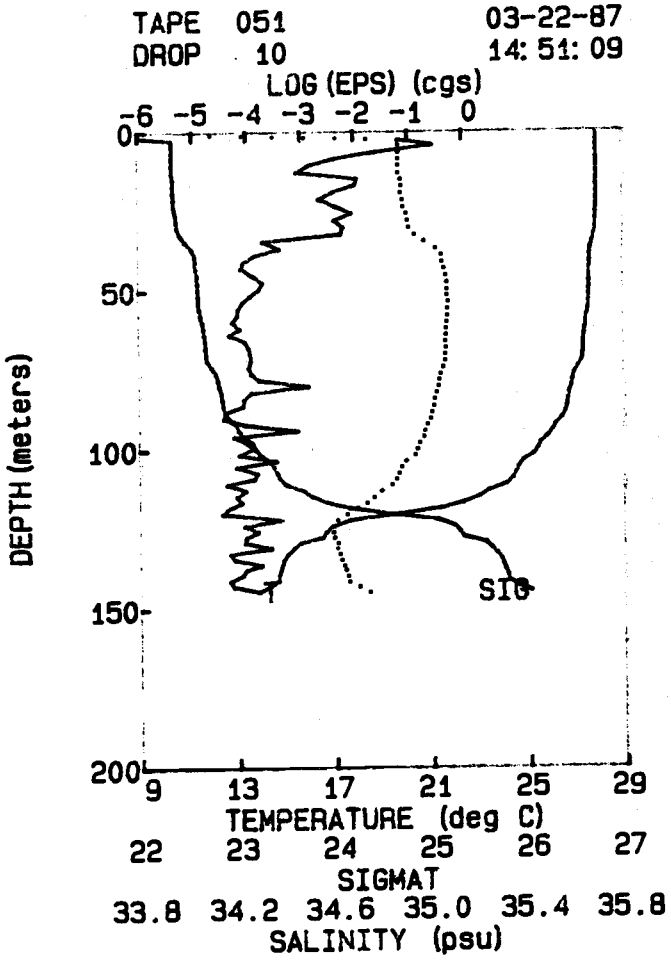
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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14: 51: 09
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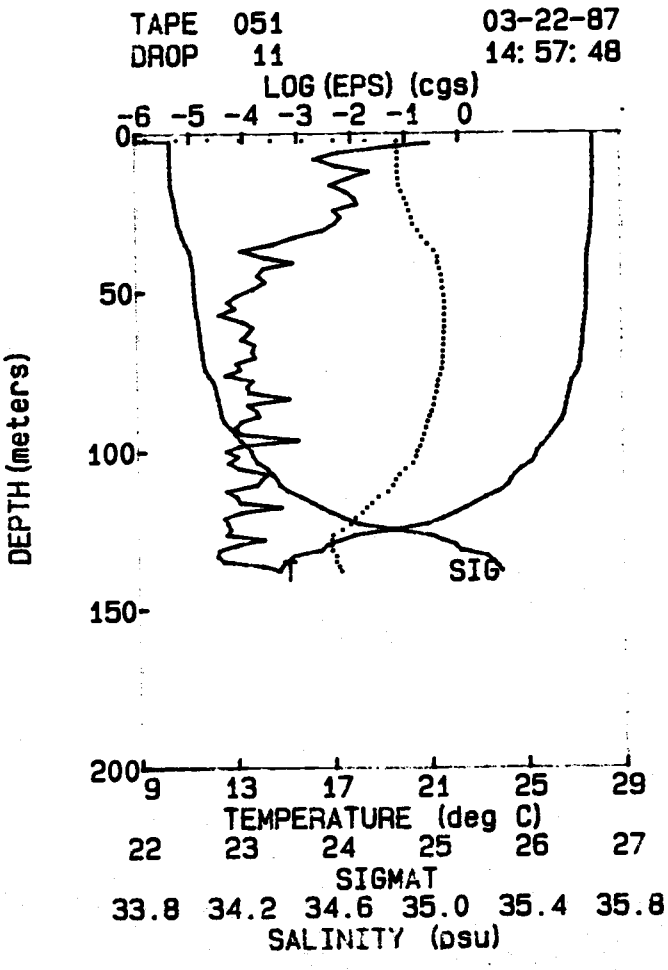
0
50
100
150
200
DEPTH (meters)
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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14: 57: 48
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50
100
150
200
DEPTH (meters)
SIG
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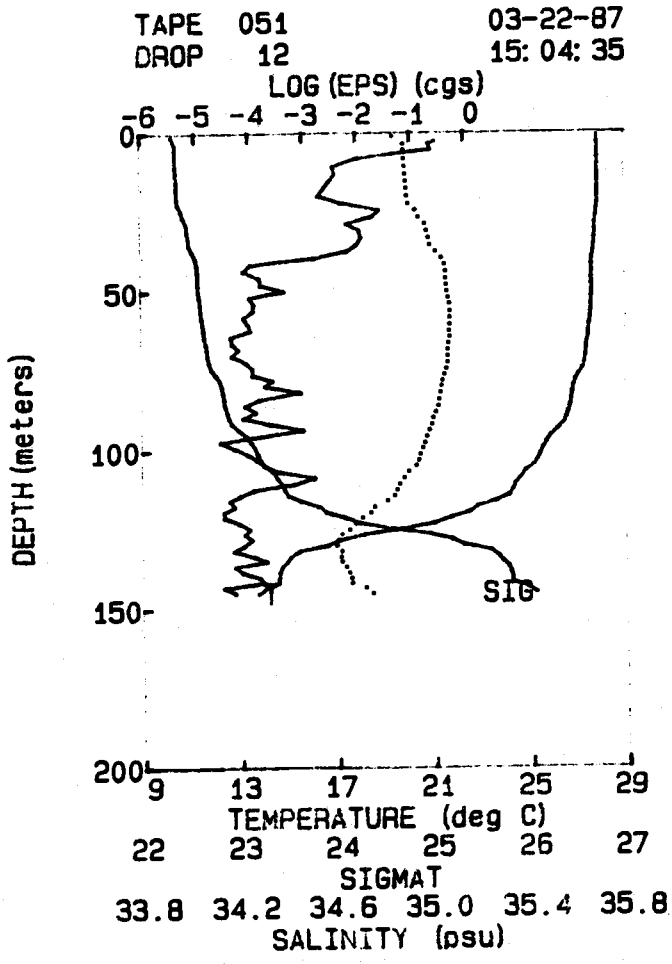
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-22-87
15: 04: 35
LOG (EPS) (cgs)
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0
50
100
150
200
DEPTH (meters)
SIG
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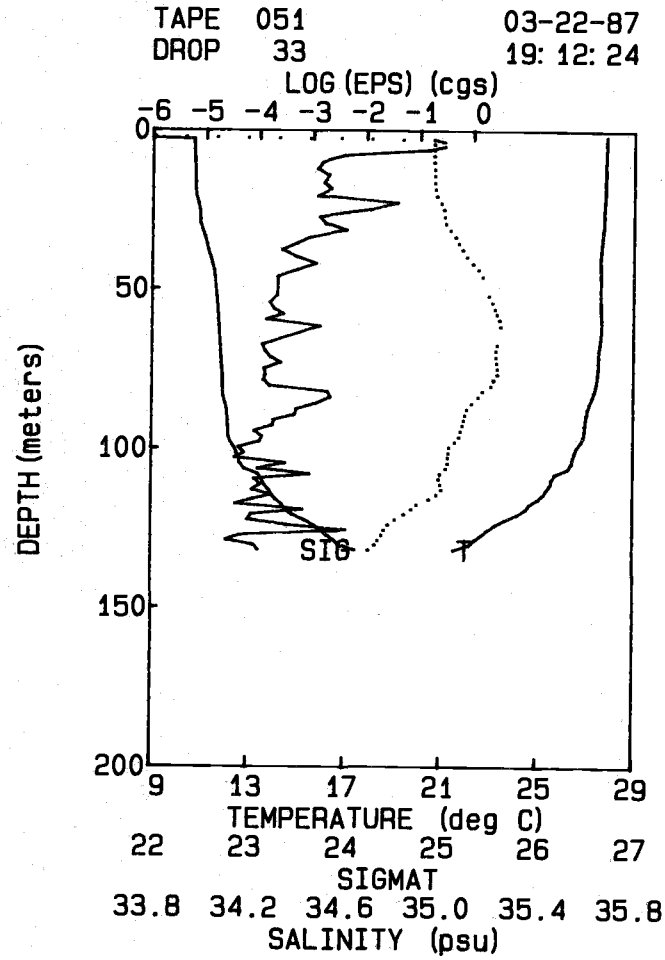
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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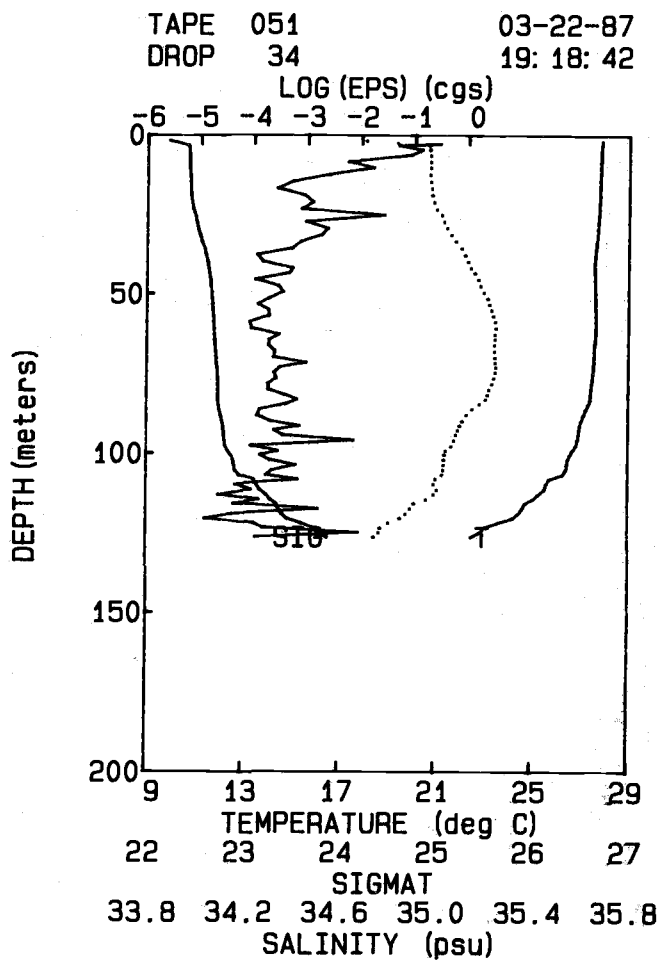
03-22-87
19: 12: 24
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
T
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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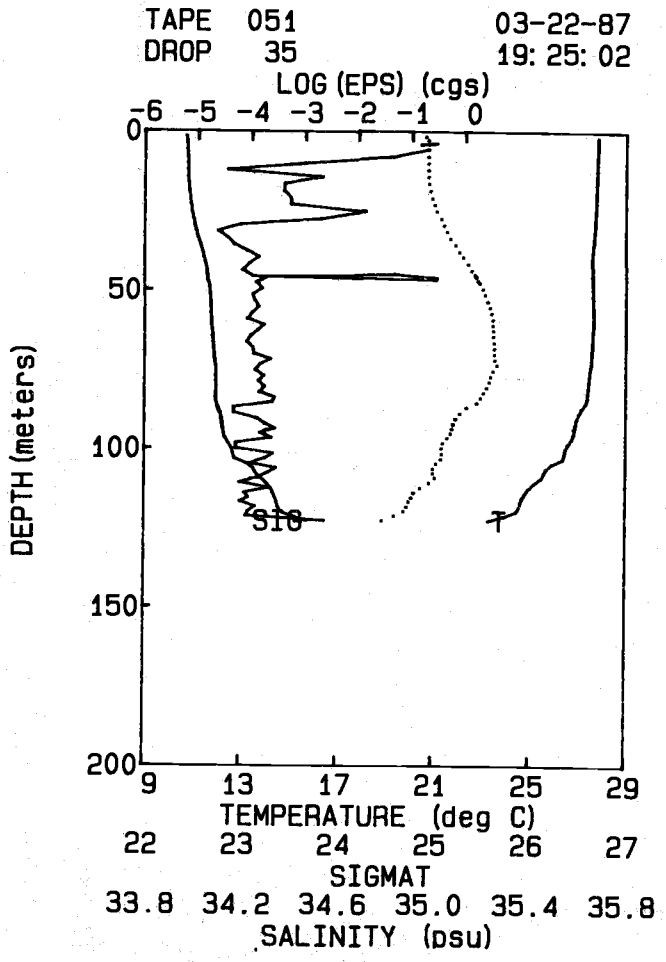
DROP 34
03-22-87
19: 18: 42
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
T
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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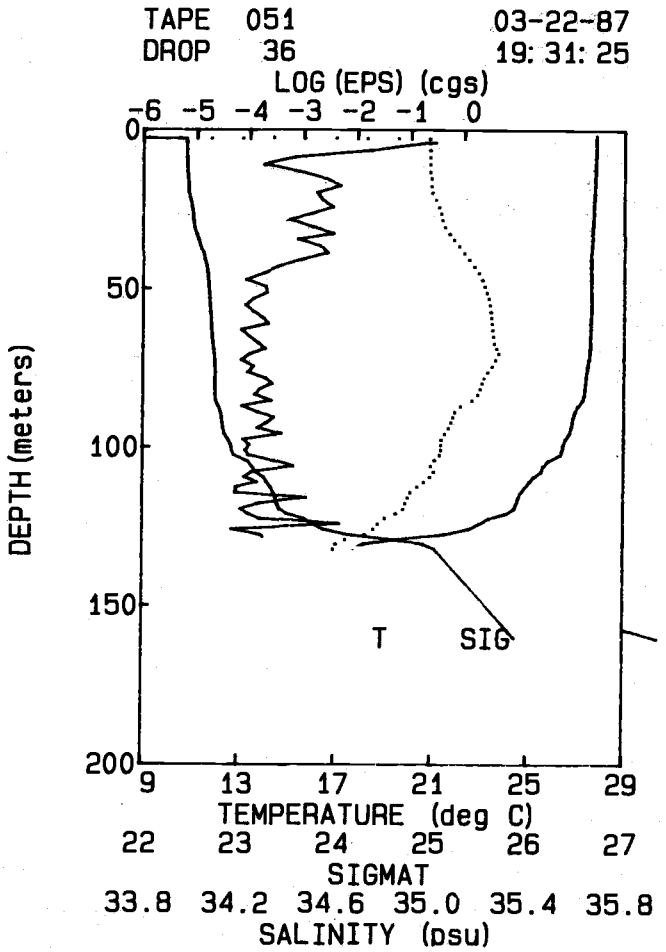
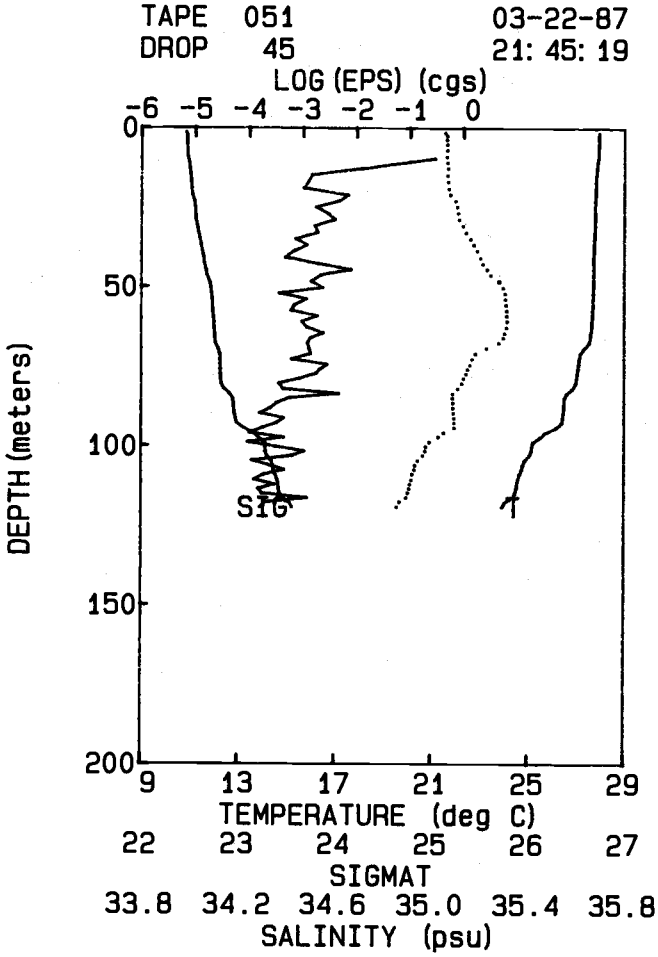
DROP 35
03-22-87
19: 25: 02
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
T
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 051
DROP 36
03-22-87
19: 31: 25
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 45
03-22-87
21: 45: 19
LOG (EPS) (cgs)
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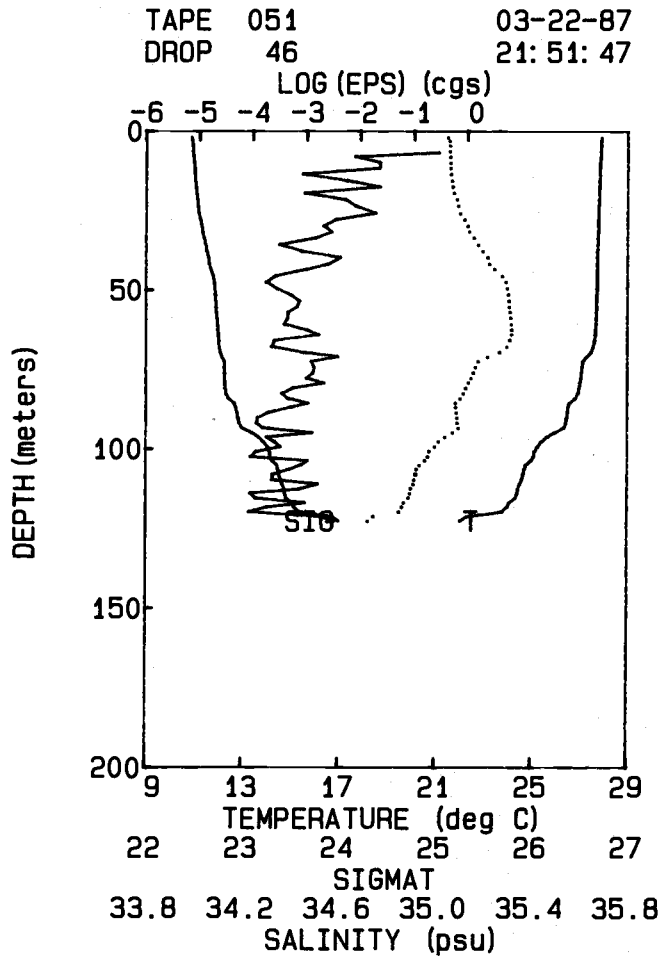
DEPTH (meters)
0
50
100
150
200
SIO
T
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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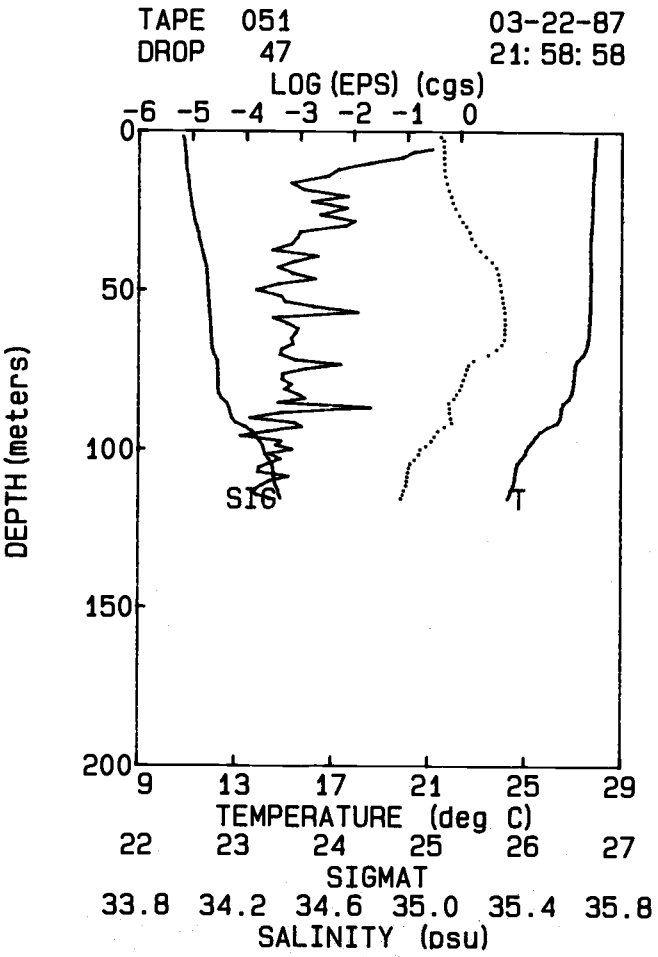
DROP 46
03-22-87
21: 51: 47
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIO
T
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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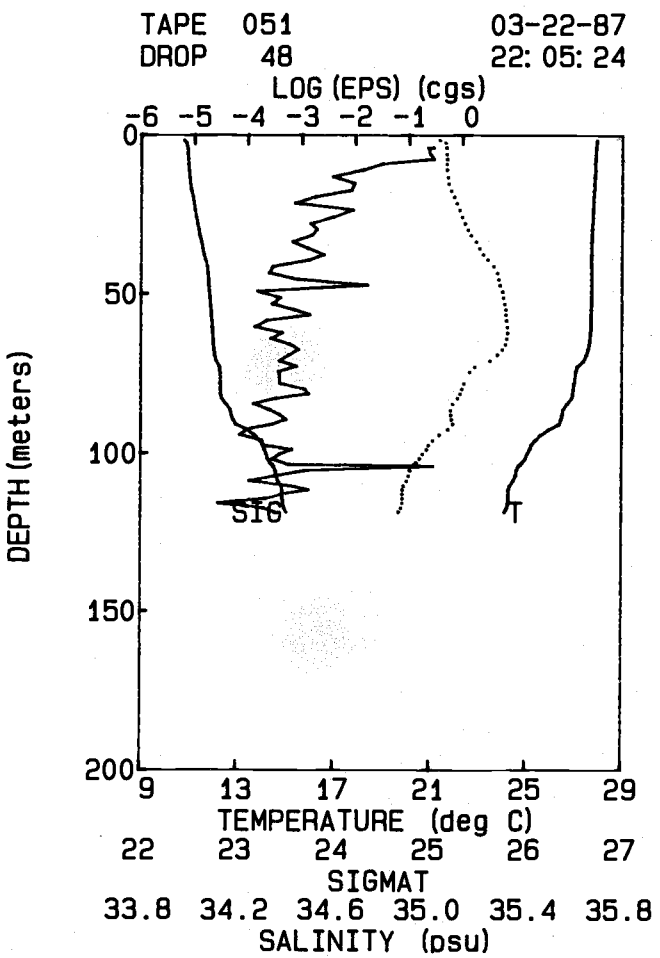
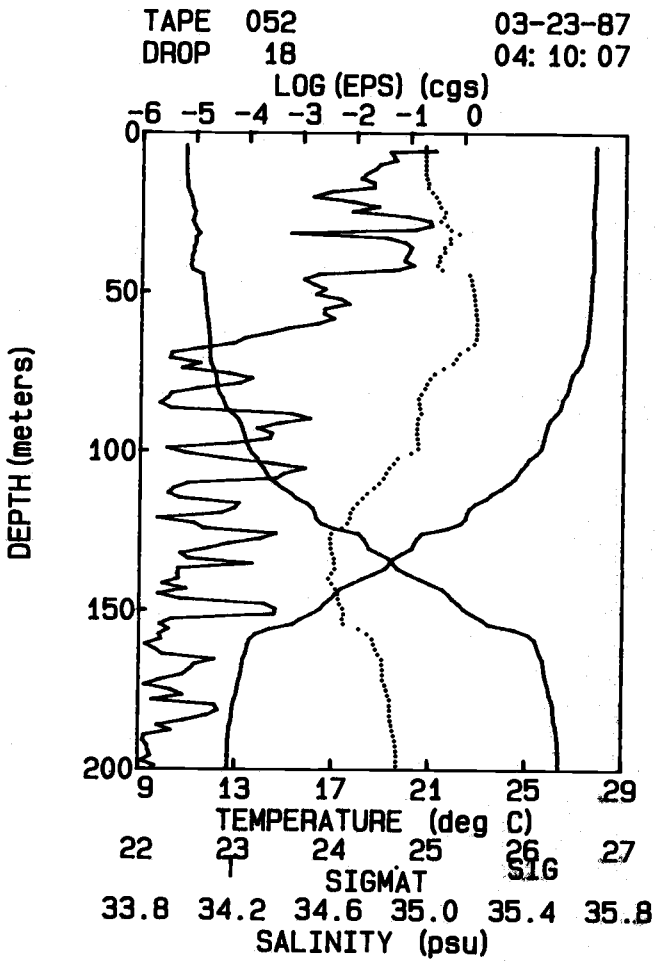
DROP 47
03-22-87
21: 58: 58
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIO
T
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 051
DROP 48
03-22-87
22: 05: 24
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIO
T
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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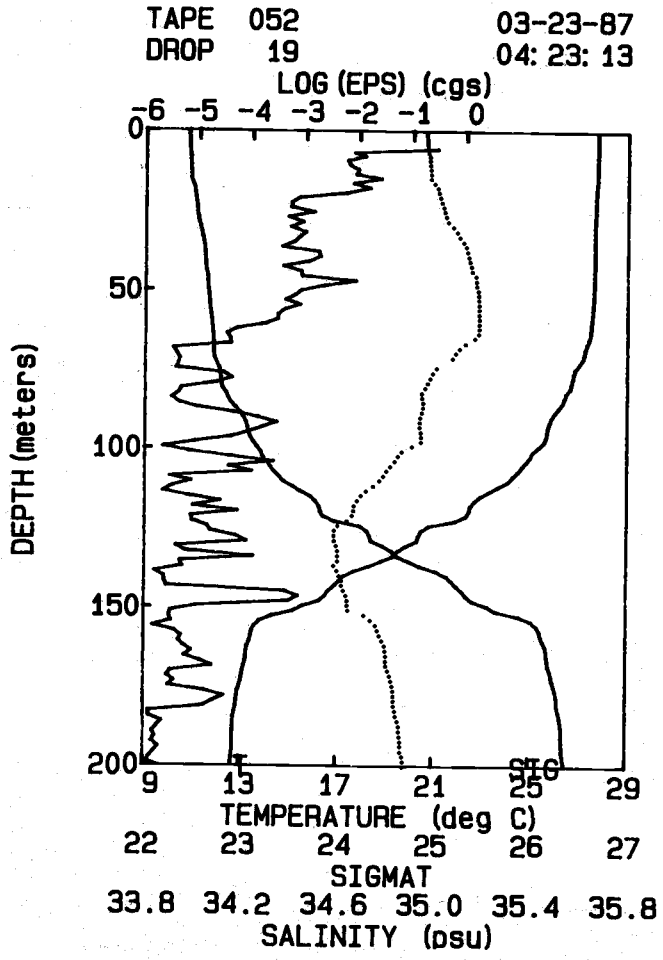
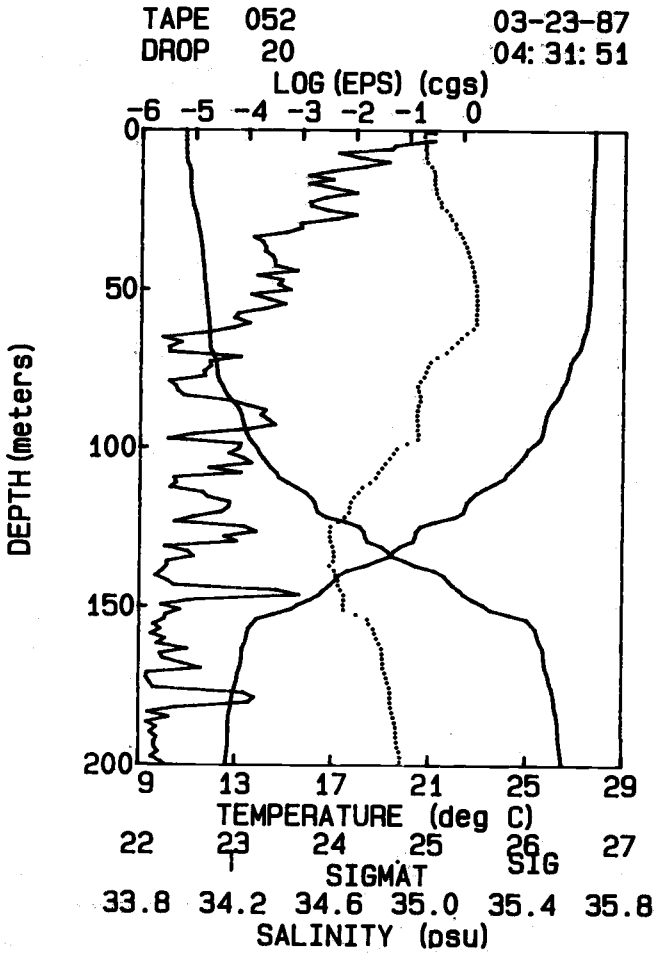
04: 10: 07
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
SIG
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 052
DROP 19
03-23-87
04: 23: 13
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
SIG
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 20
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04: 31: 51
LOG (EPS) (cgs)
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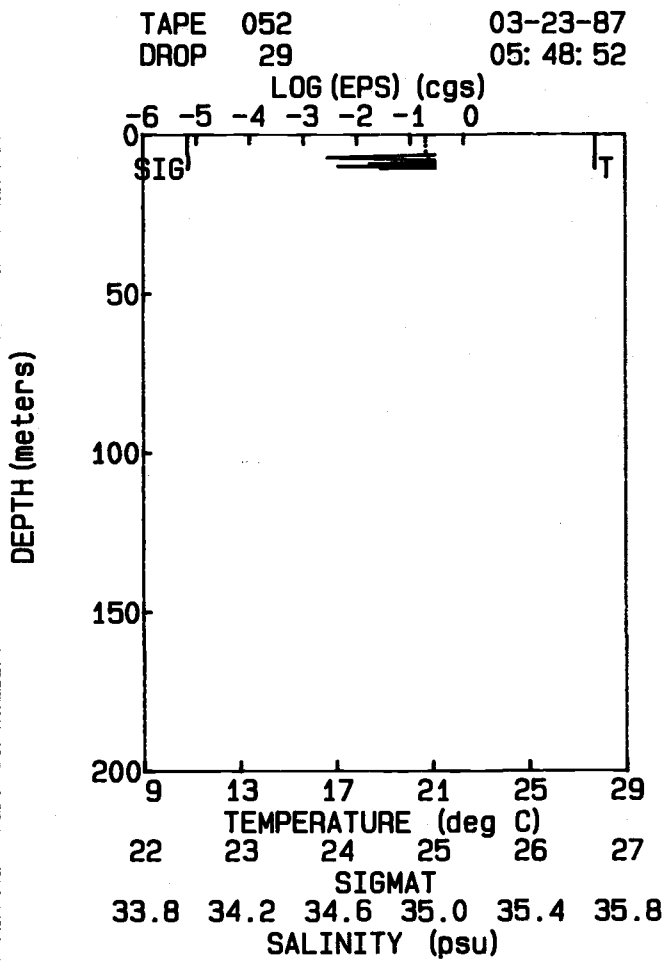
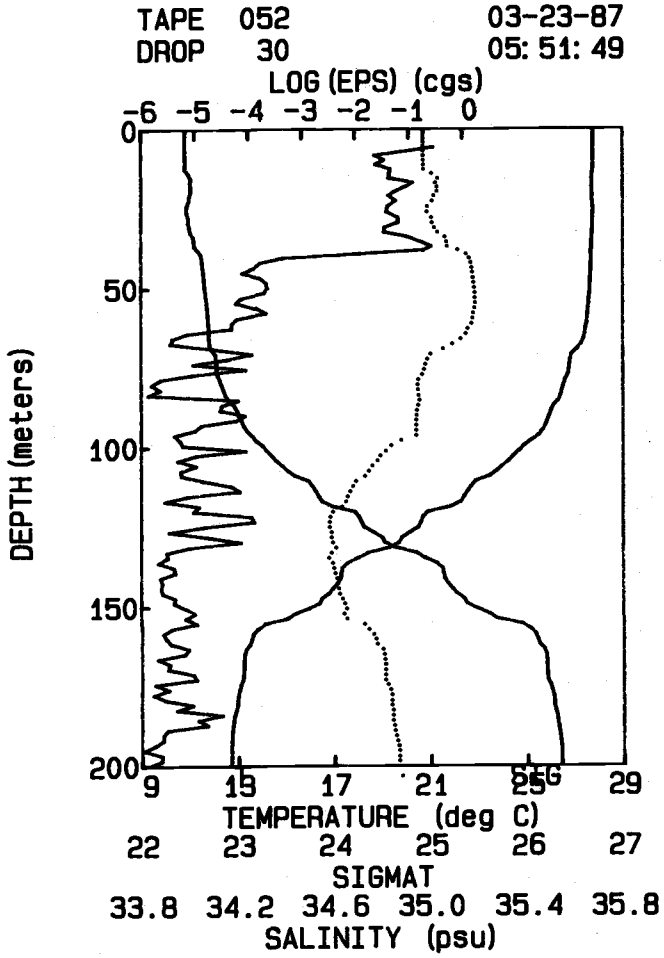
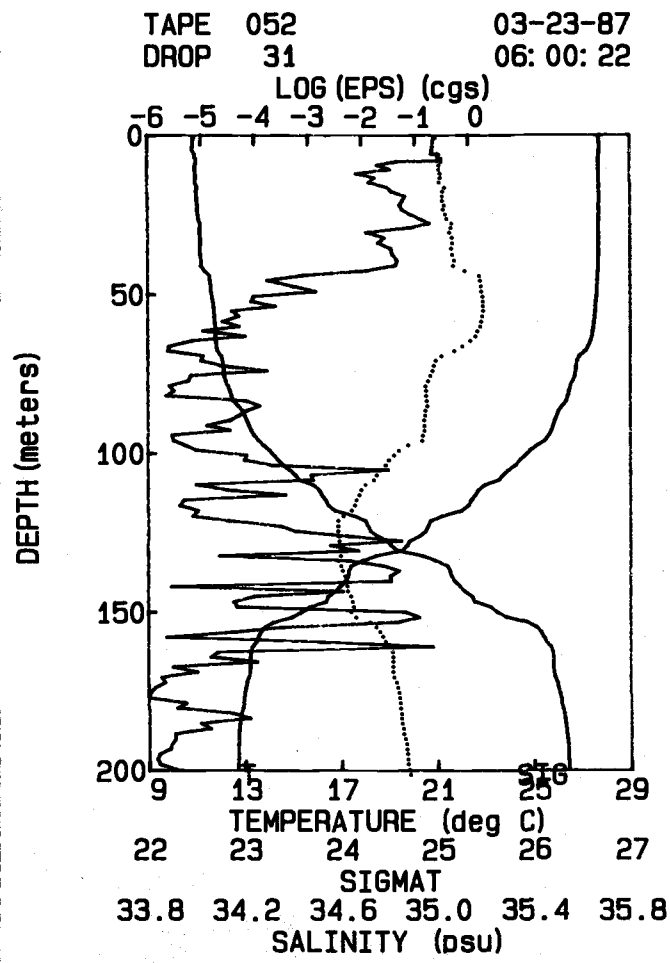
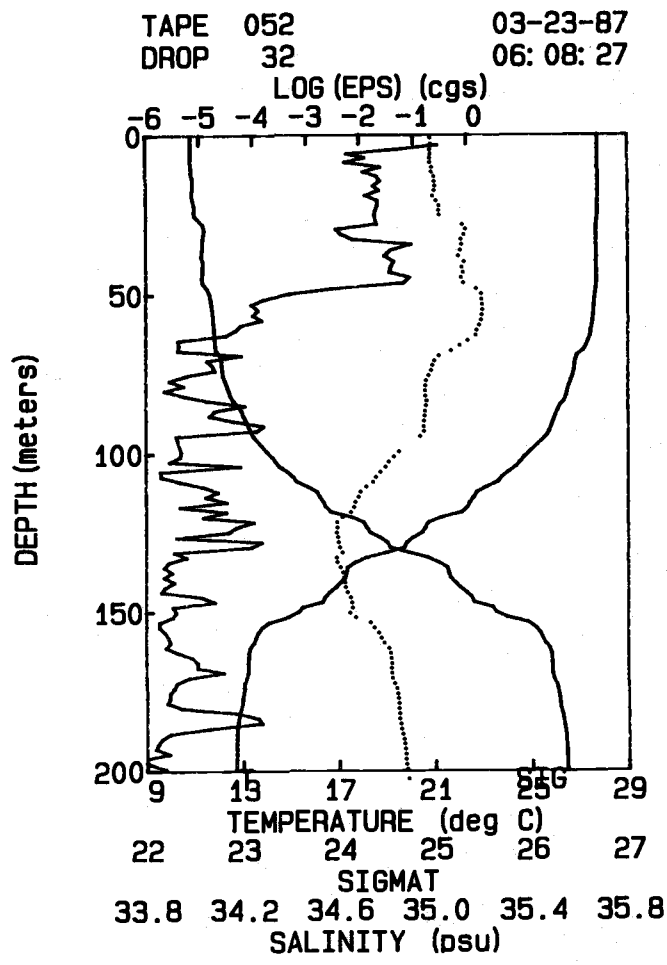
DEPTH (meters)
0
50
100
150
200
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
SIG
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 052
DROP 29
03-23-87
05: 48: 52
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
SIG
T
DEPTH (meters)
0
50
100
150
200
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 052
DROP 30
03-23-87
05: 51: 49
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
9 13 17 21 25 29
SIG
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 052
DROP 31
03-23-87
06: 00: 22
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
9 13 17 21 25 29
SIG
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 32
03-23-87
06: 08: 27
LOG (EPS) (cgs)
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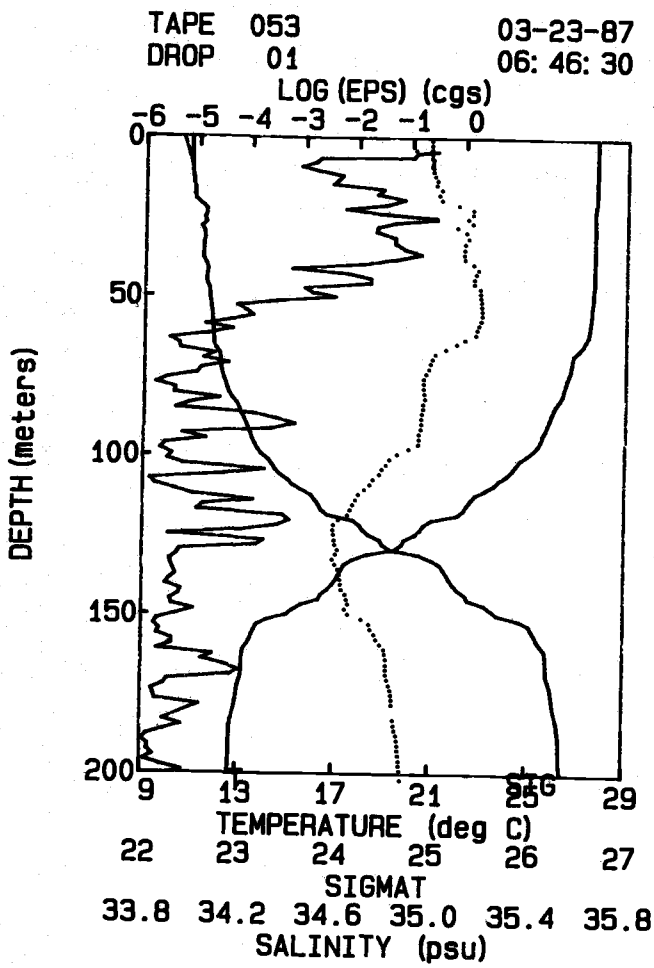
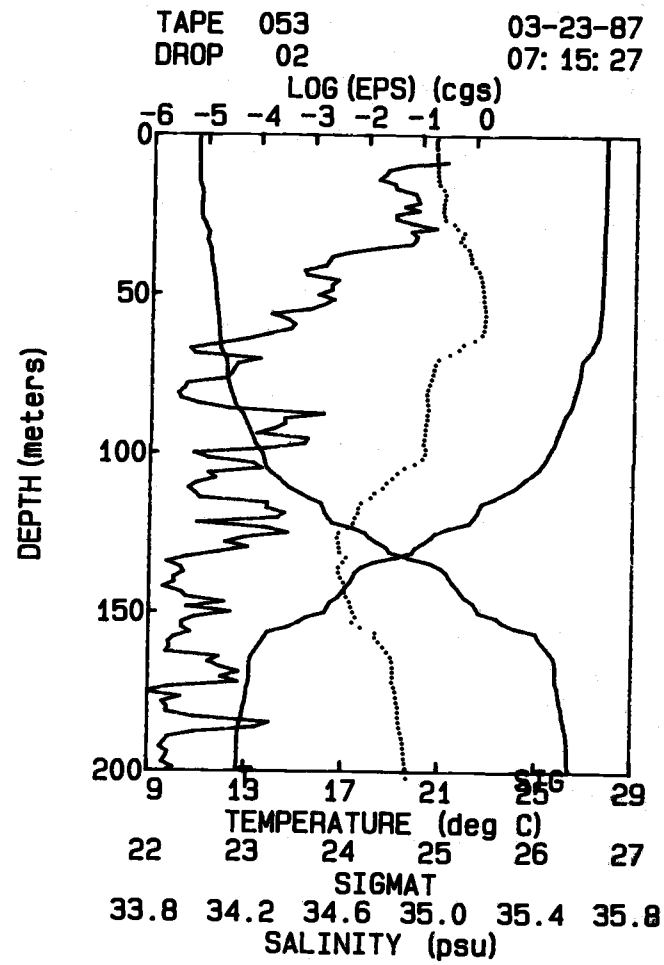
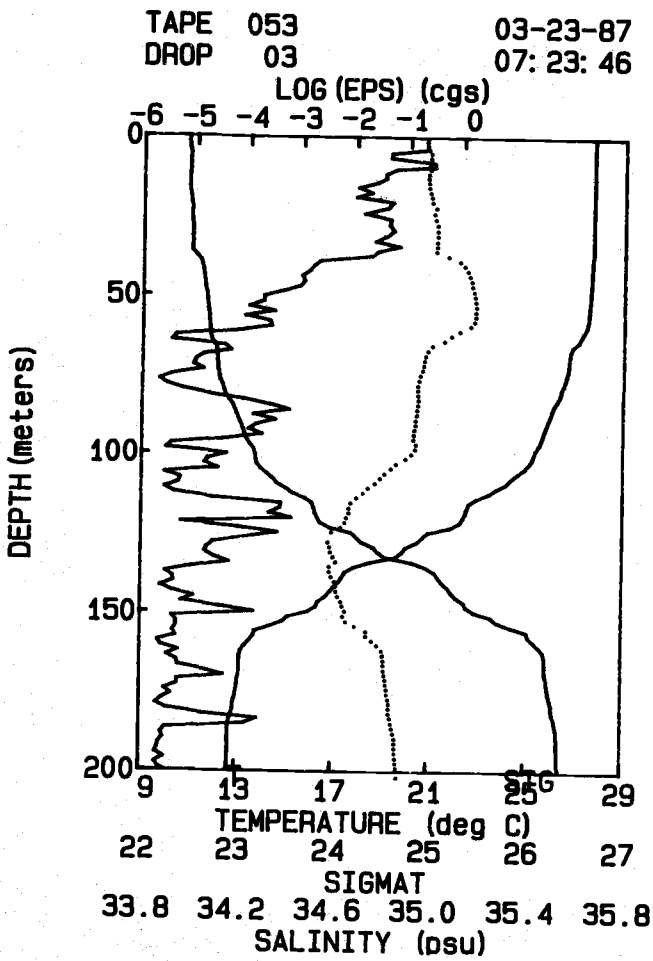
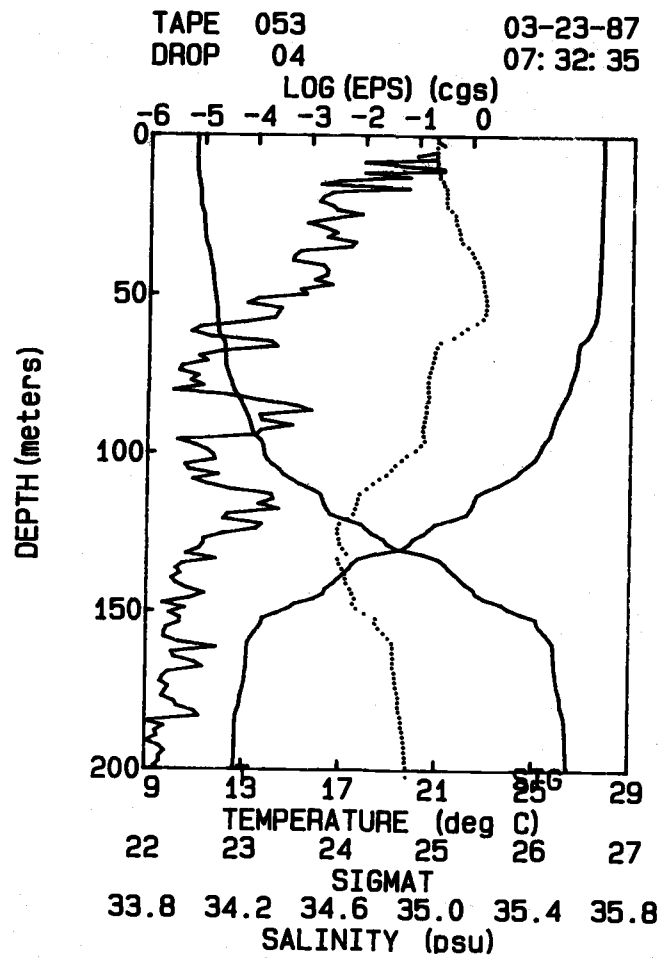
DEPTH (meters)
0
50
100
150
200
9 13 17 21 25 29
SIG
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 053
DROP 01
03-23-87
06: 46: 30
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
9 13 17 21 25 29
STG
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 053
DROP 02
03-23-87
07: 15: 27
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
9 13 17 21 25 29
STG
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 053
DROP 03
03-23-87
07: 23: 46
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
9 13 17 21 25 29
STG
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 053
DROP 04
03-23-87
07: 32: 35
LOG (EPS) (cgs)
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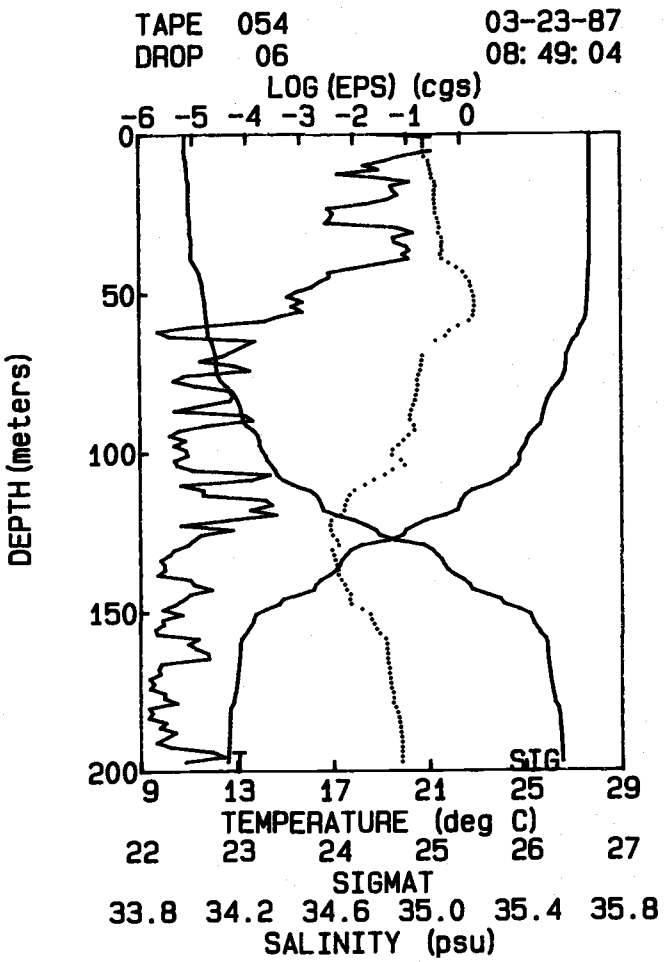
DEPTH (meters)
0
50
100
150
200
9 13 17 21 25 29
STG
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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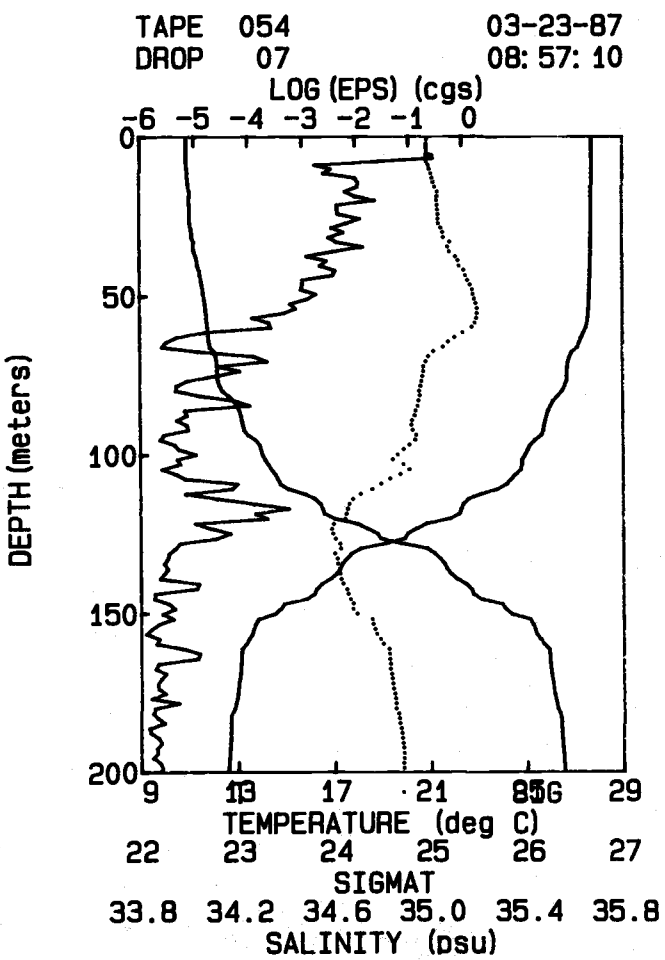
DROP 06
03-23-87
08: 49: 04
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
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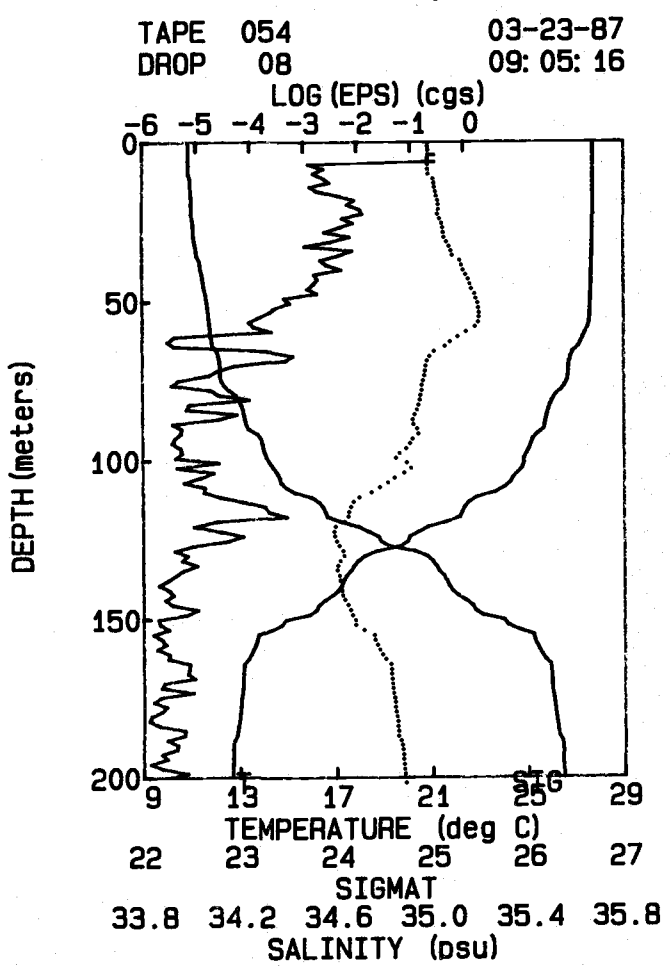
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-23-87
09: 05: 16
LOG (EPS) (cgs)
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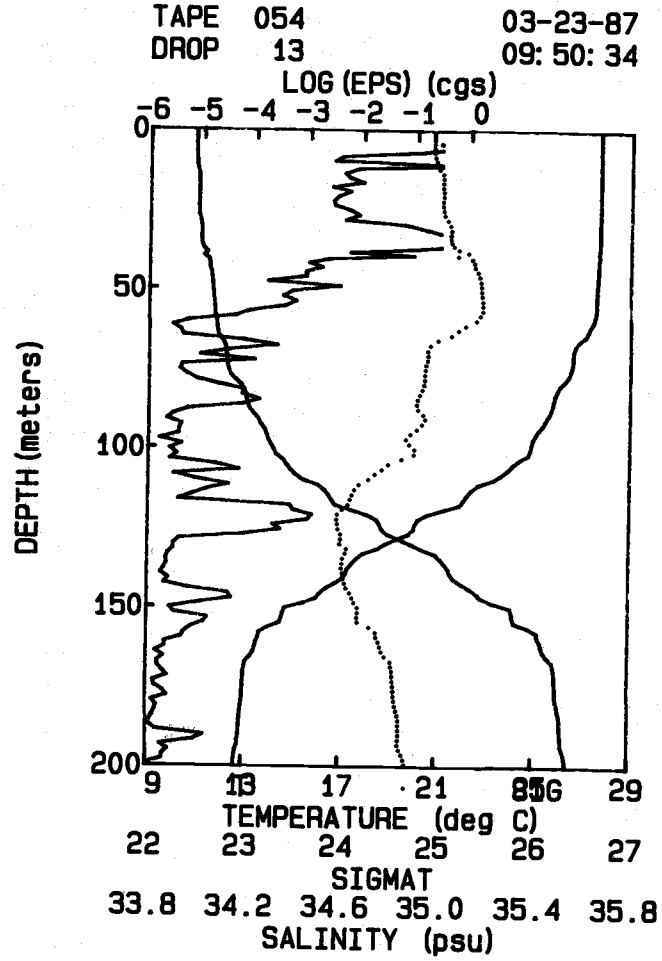
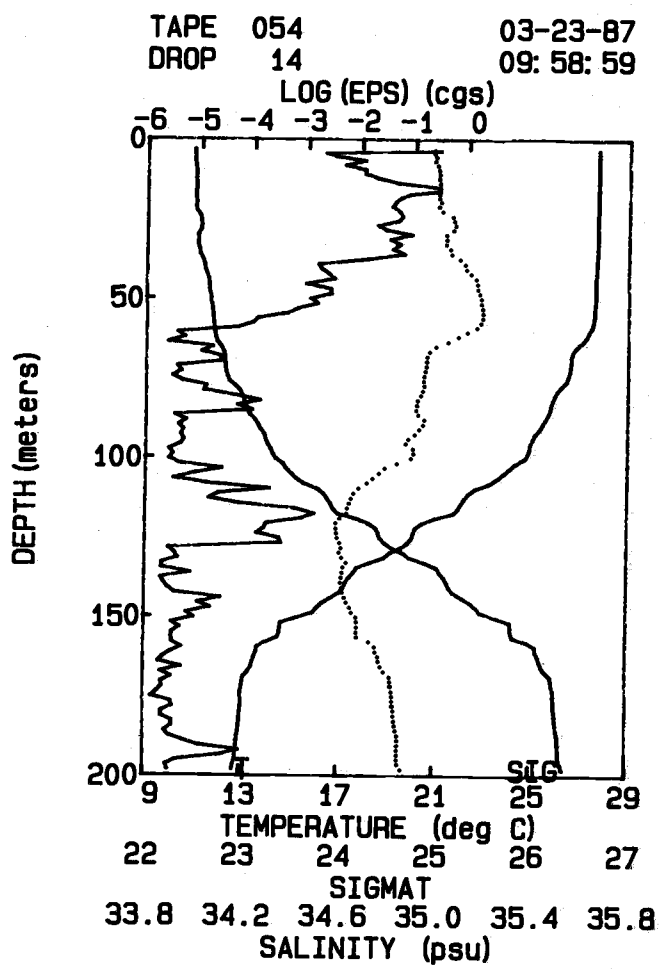
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 054
DROP 13
03-23-87
09: 50: 34
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
9 13 17 21 25 29
SIG
T
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 14
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LOG (EPS) (cgs)
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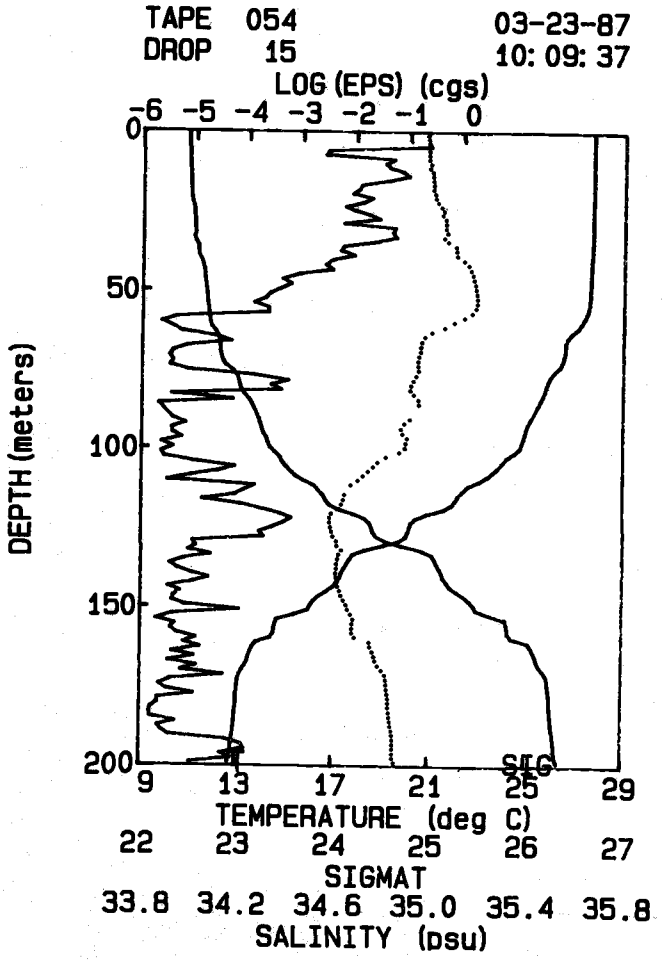
DEPTH (meters)
0
50
100
150
200
9 13 17 21 25 29
SIG
T
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 15
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10: 09: 37
LOG (EPS) (cgs)
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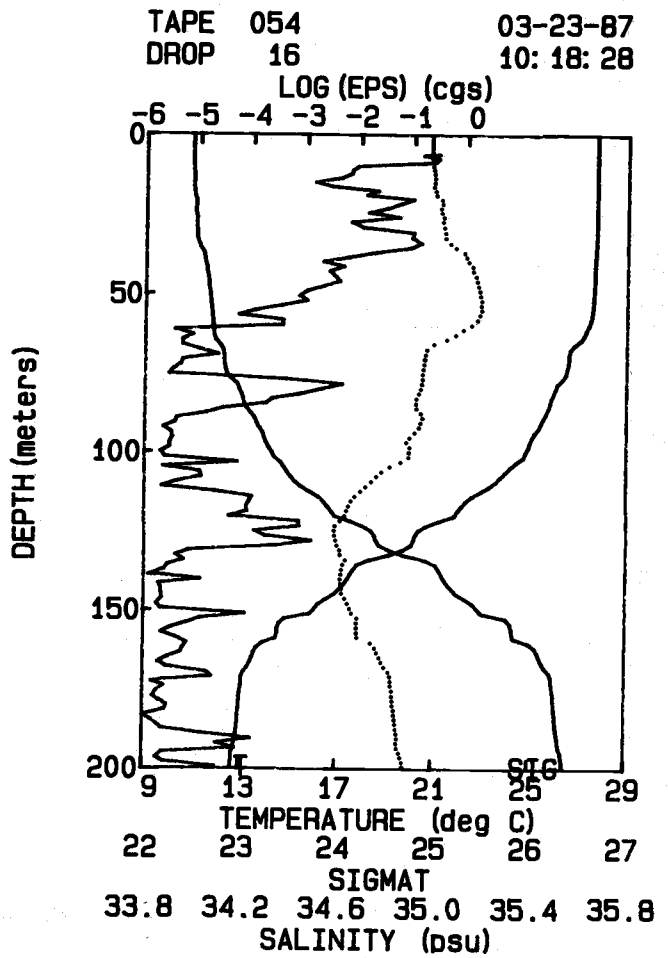
DEPTH (meters)
0
50
100
150
200
9 13 17 21 25 29
SIG
T
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 16
03-23-87
10: 18: 28
LOG (EPS) (cgs)
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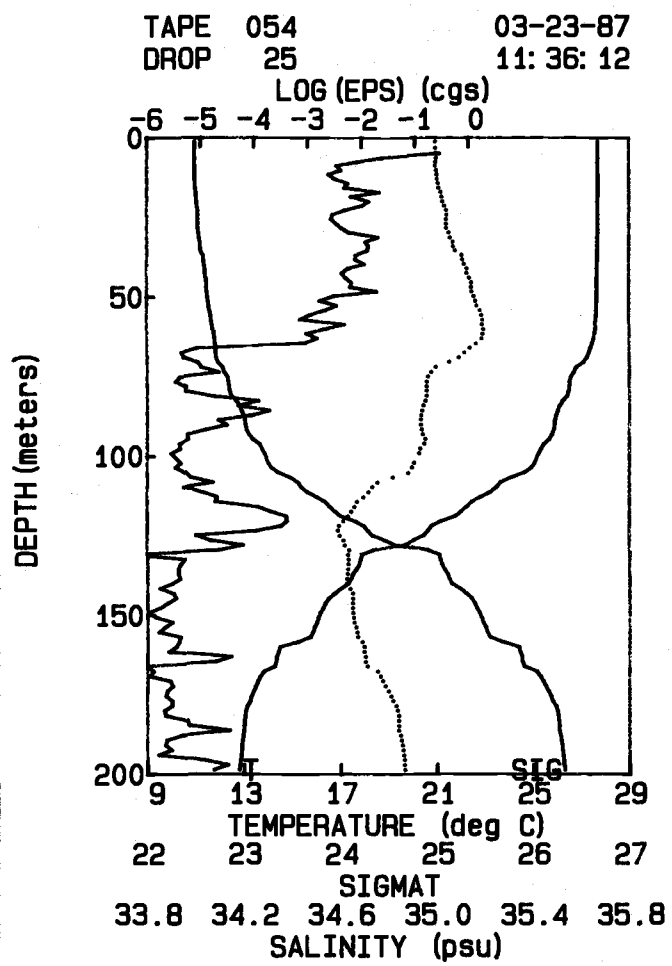
DEPTH (meters)
0
50
100
150
200
9 13 17 21 25 29
SIG
T
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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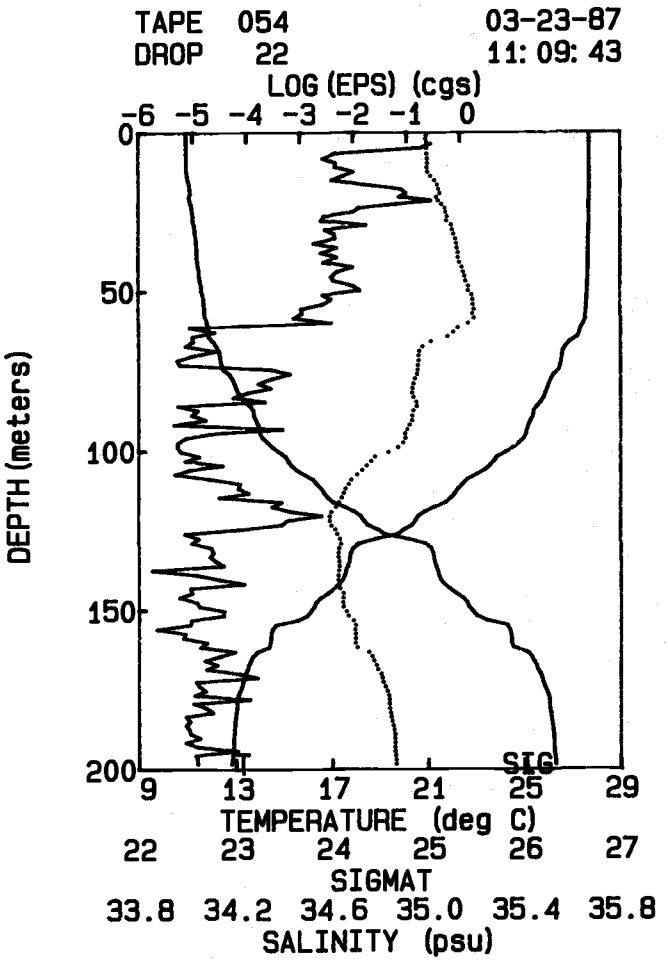
DROP 25
03-23-87
11: 36: 12
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 22
03-23-87
11: 09: 43
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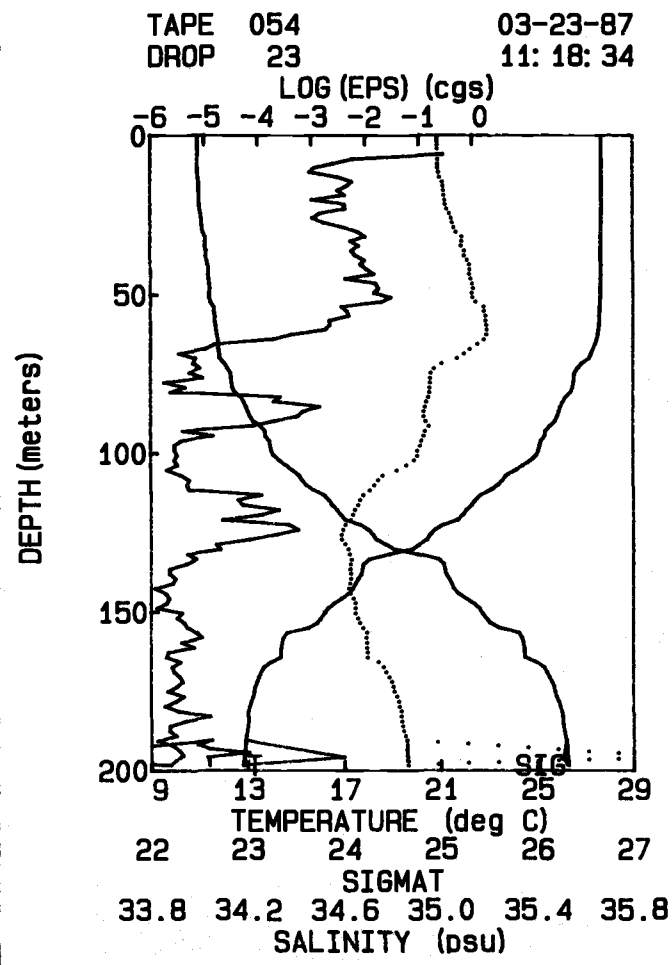
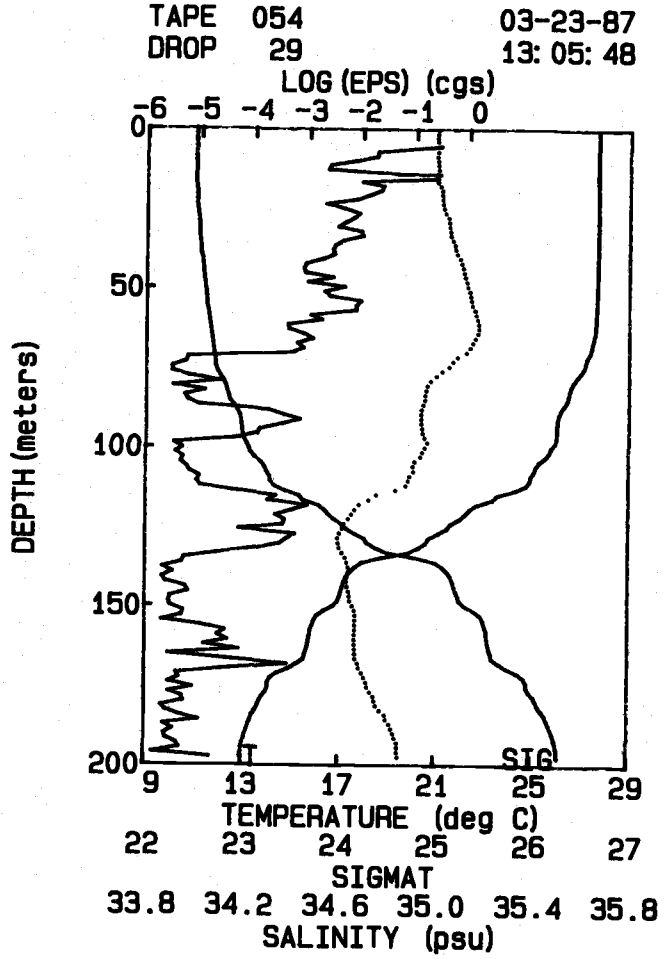
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 054
DROP 23
03-23-87
11: 18: 34
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 29
03-23-87
13: 05: 48
LOG (EPS) (cgs)
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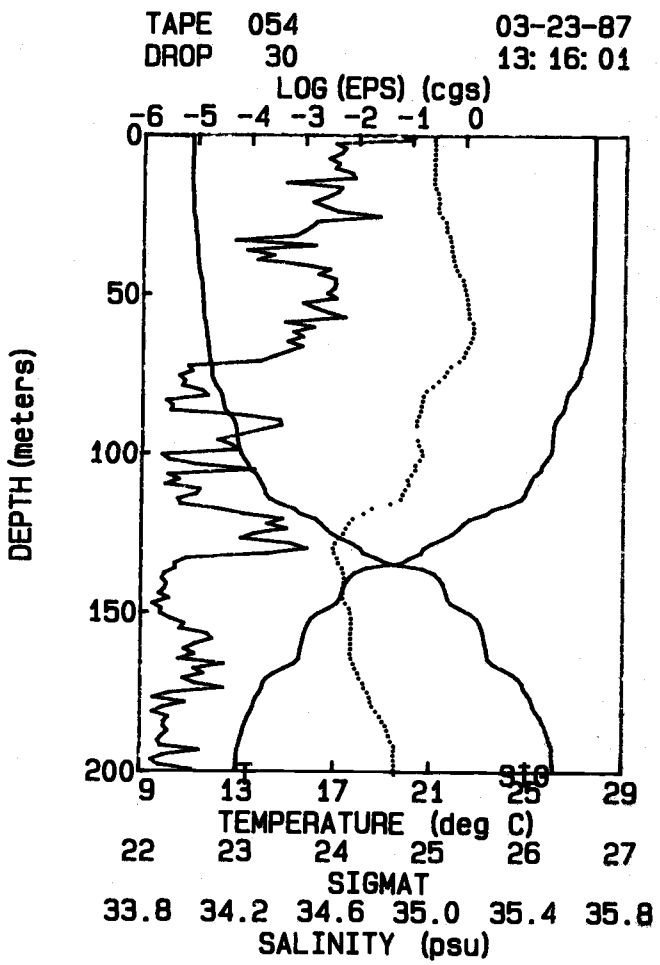
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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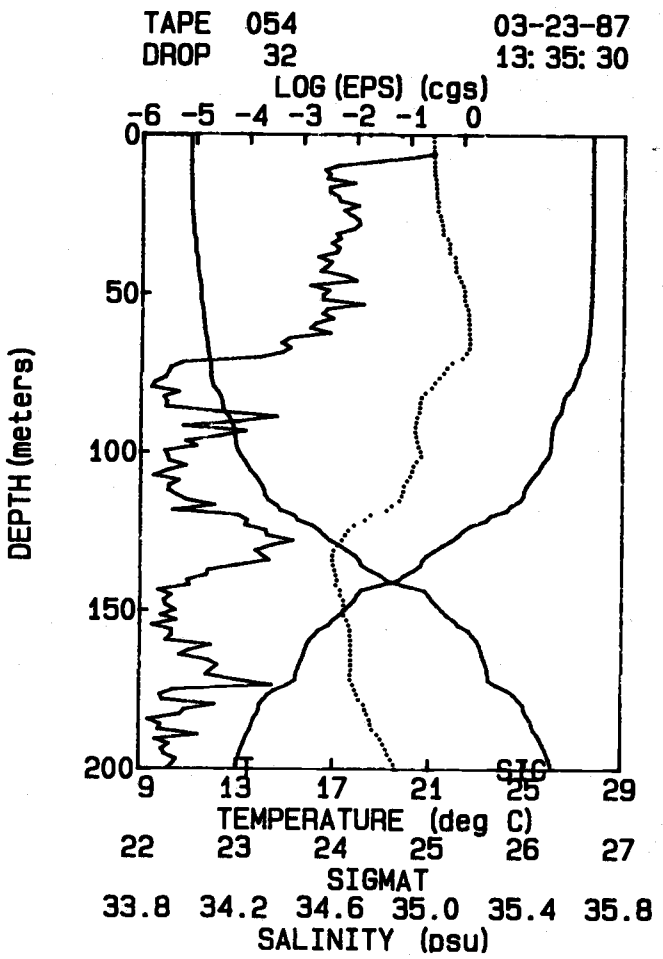
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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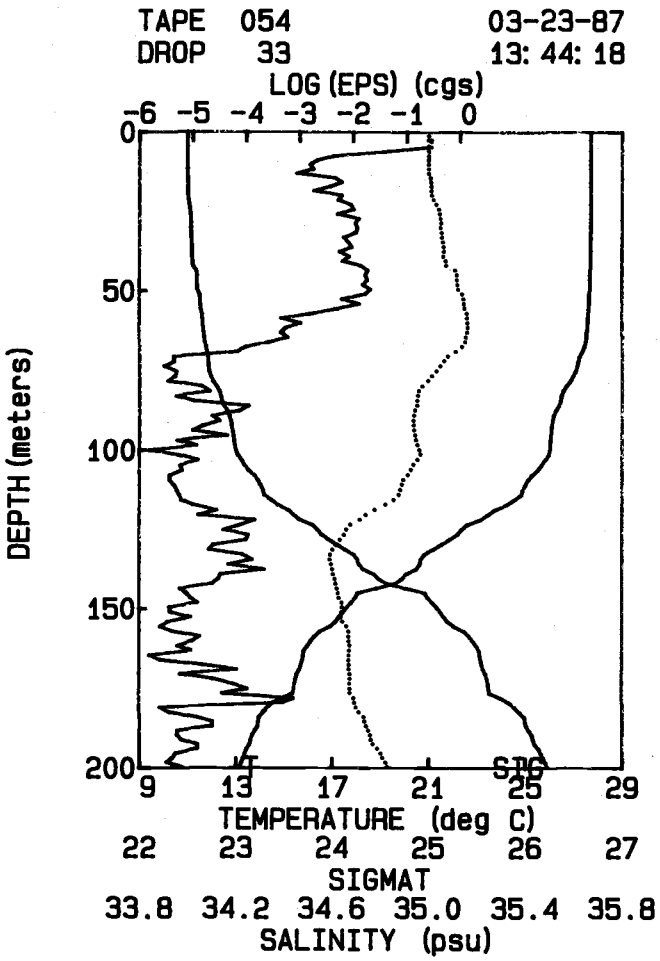
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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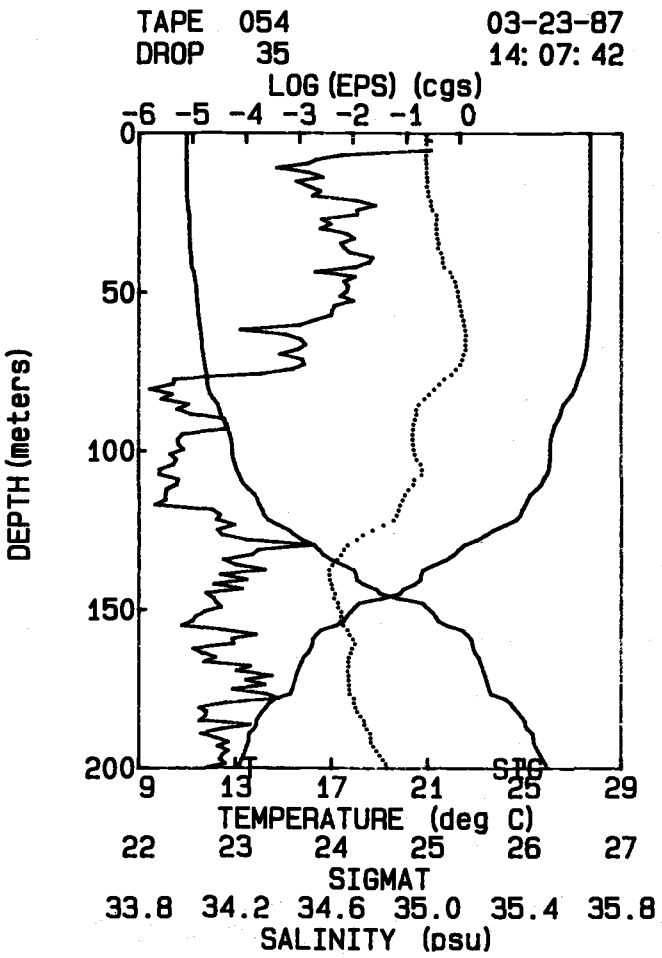
SALINITY (psu)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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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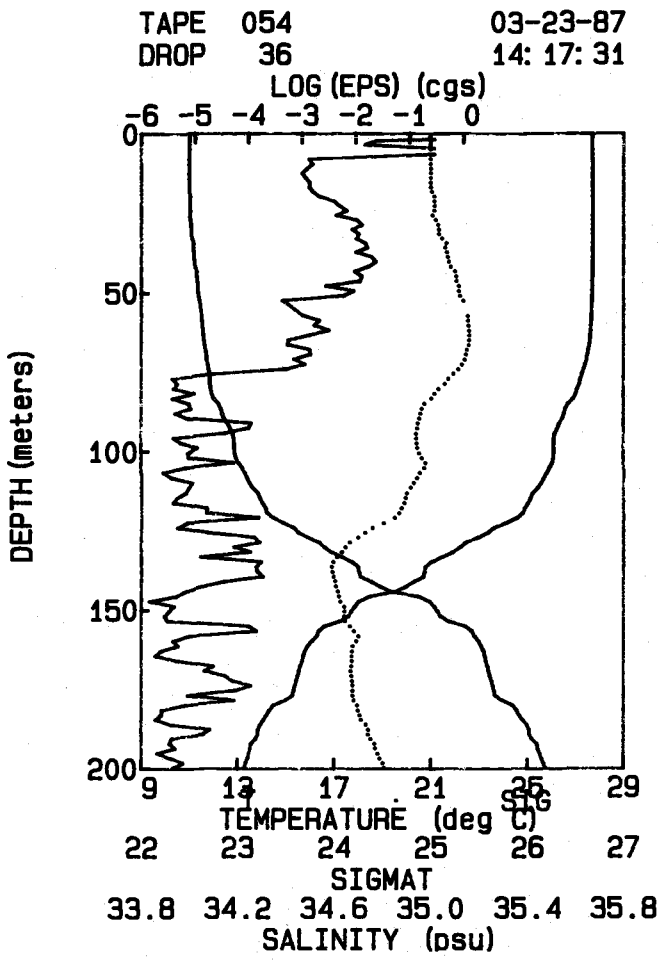
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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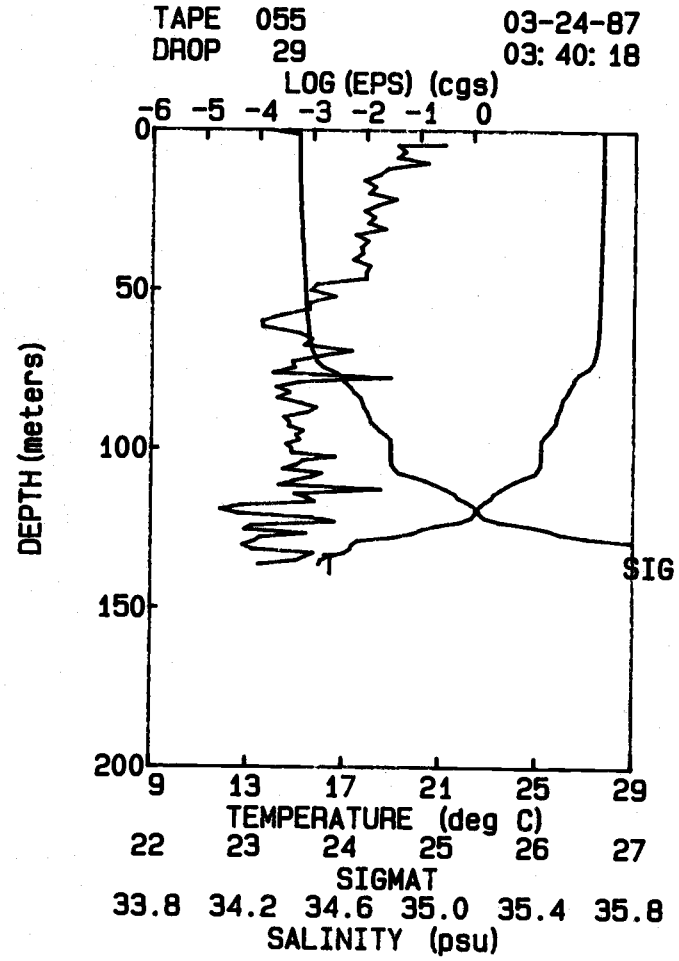
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
T
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TEMPERATURE (deg C)
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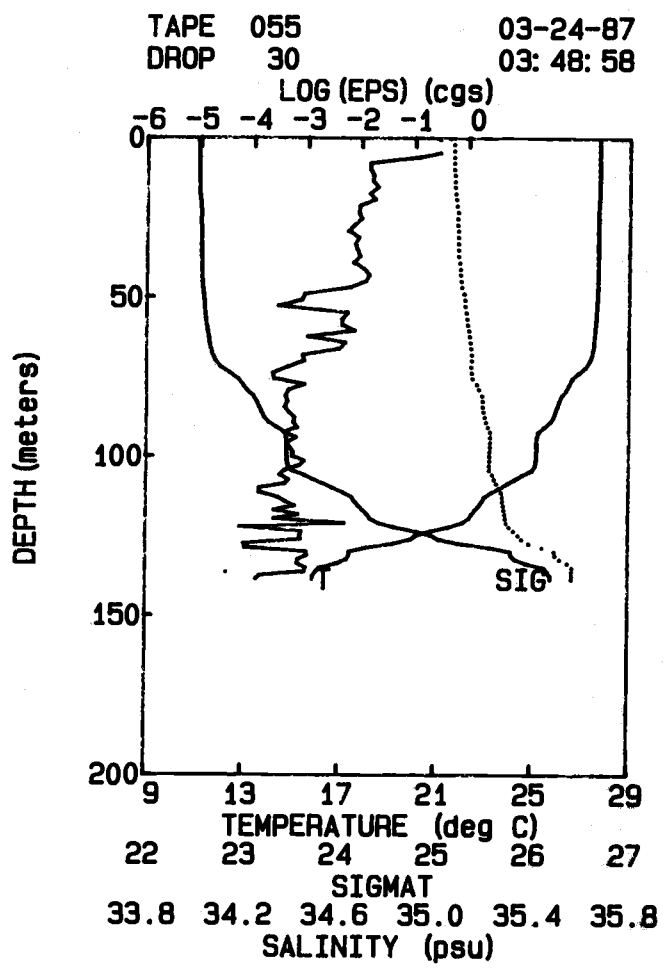
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
T
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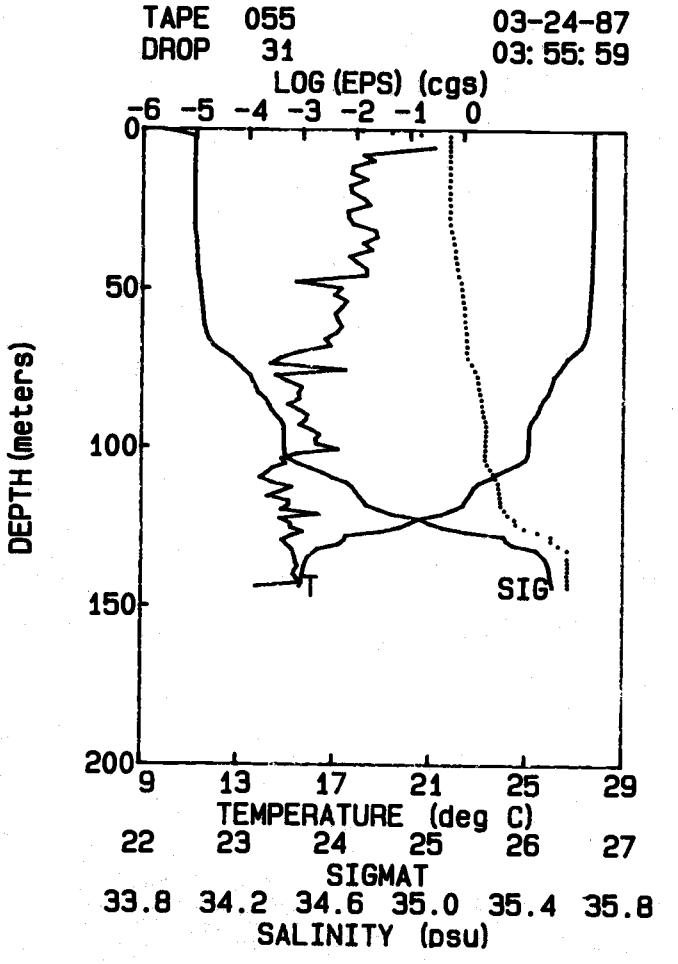
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
T
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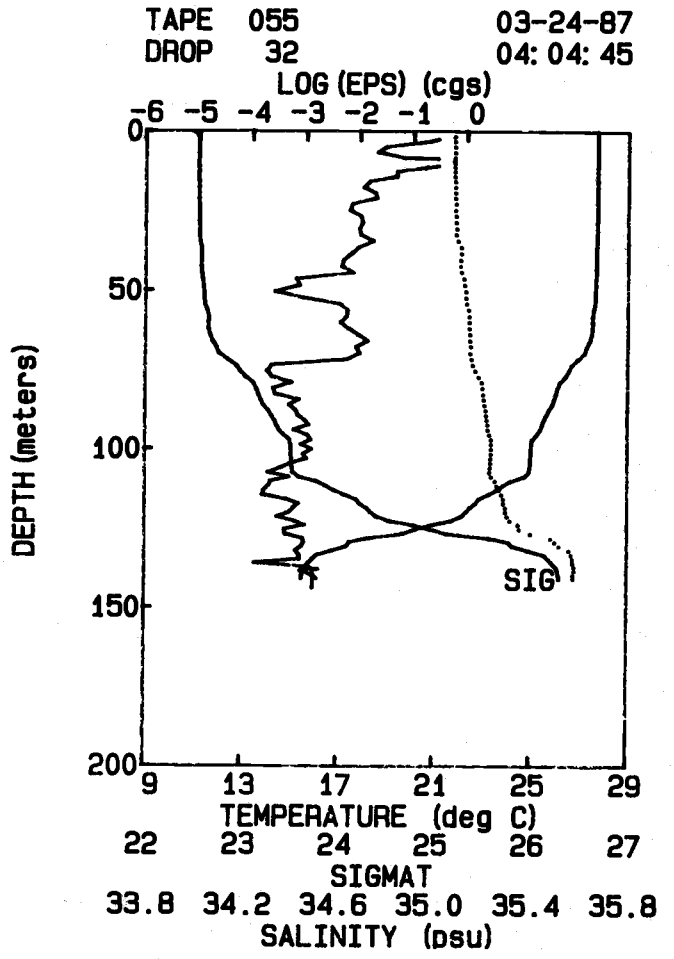
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
T
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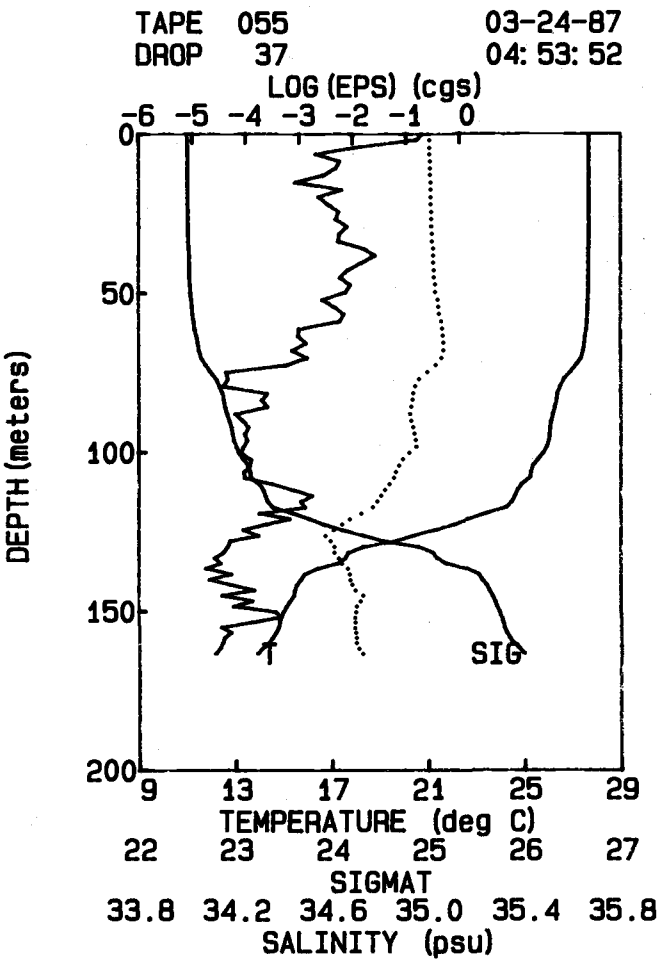
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
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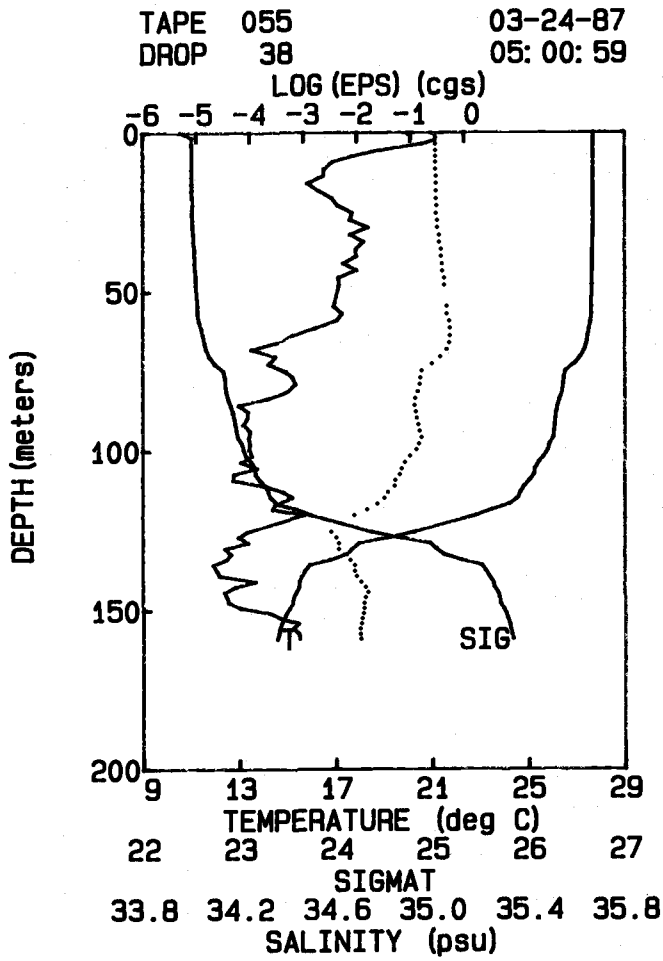
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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SIG
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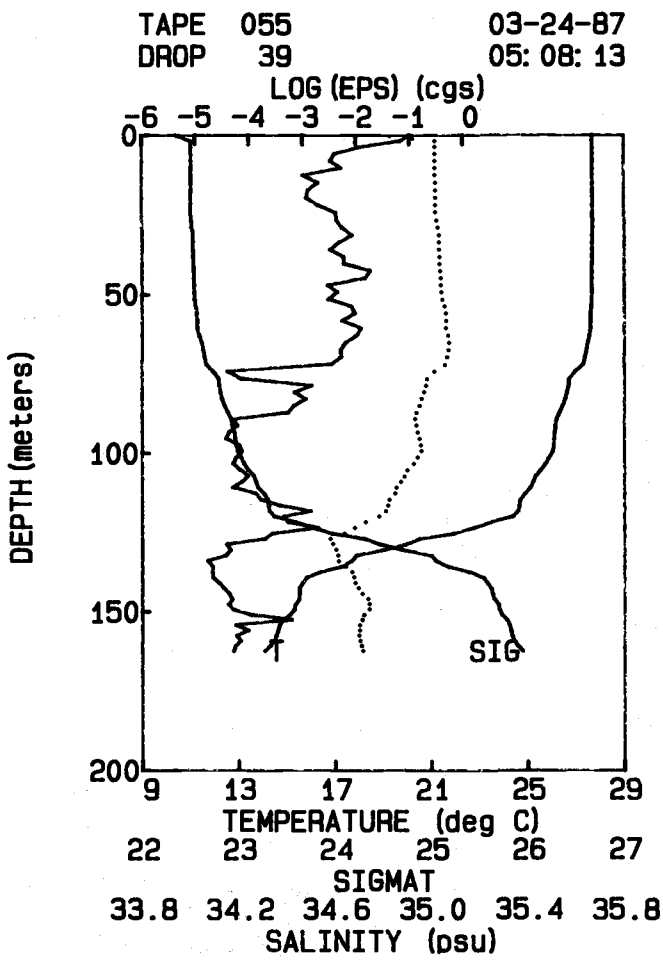
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
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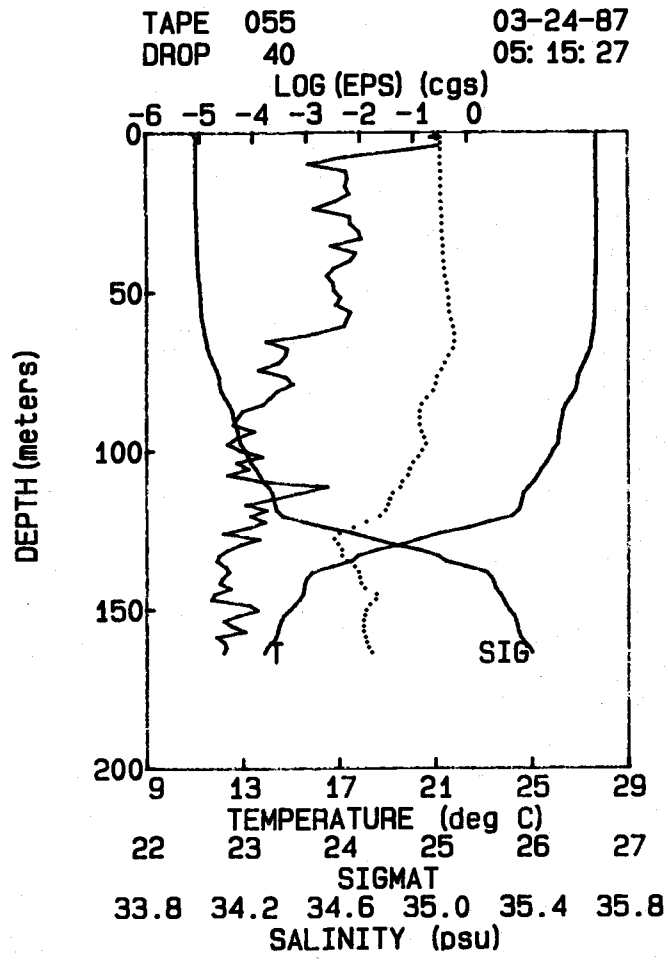
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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150
200
SIG
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TEMPERATURE (deg C)
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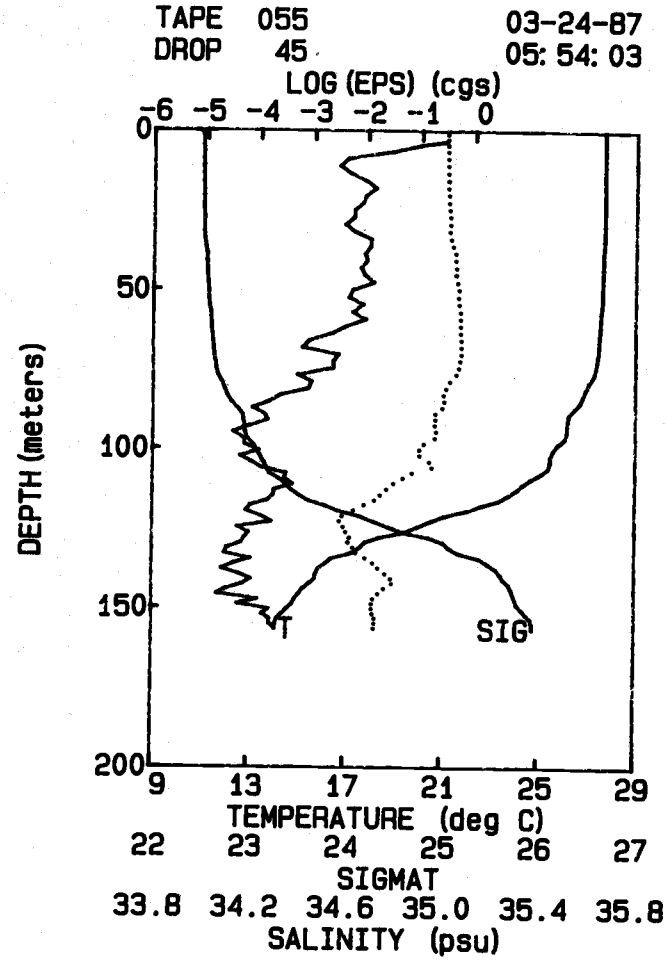
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
T
SIG
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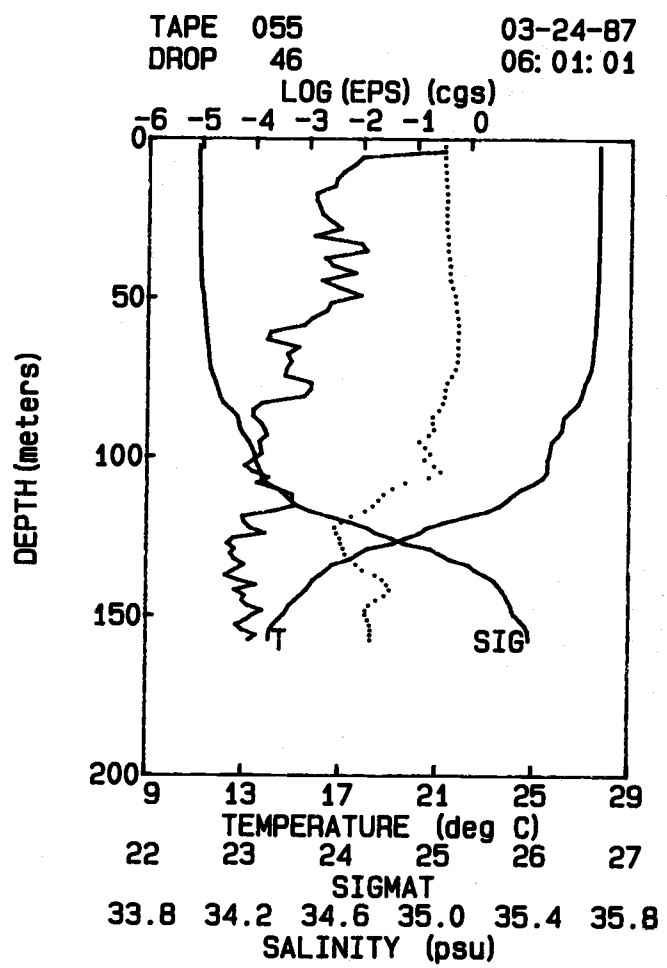
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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150
200
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SIG
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TEMPERATURE (deg C)
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SIGMAT
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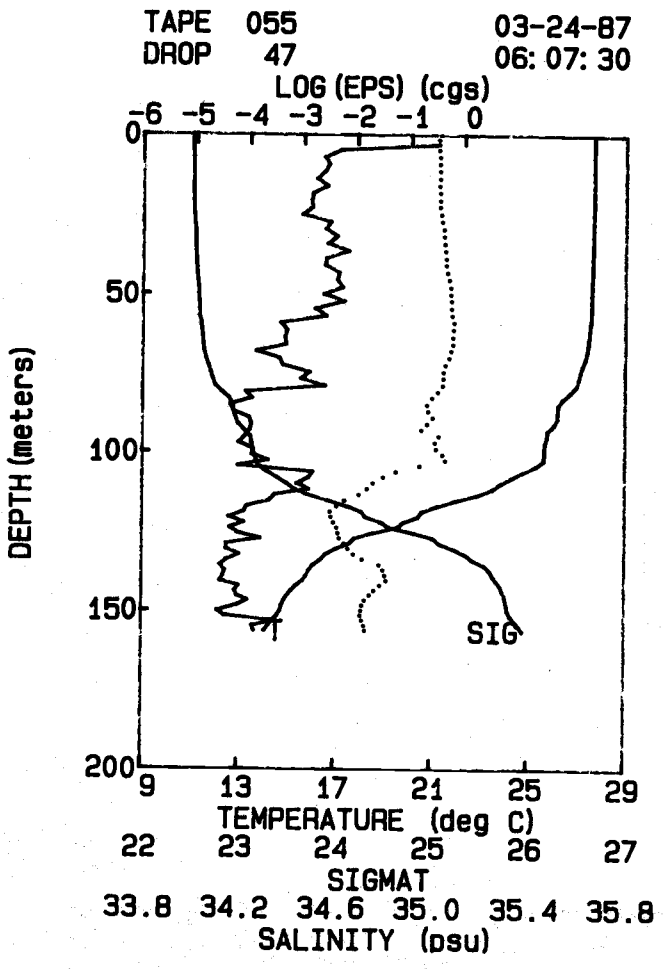
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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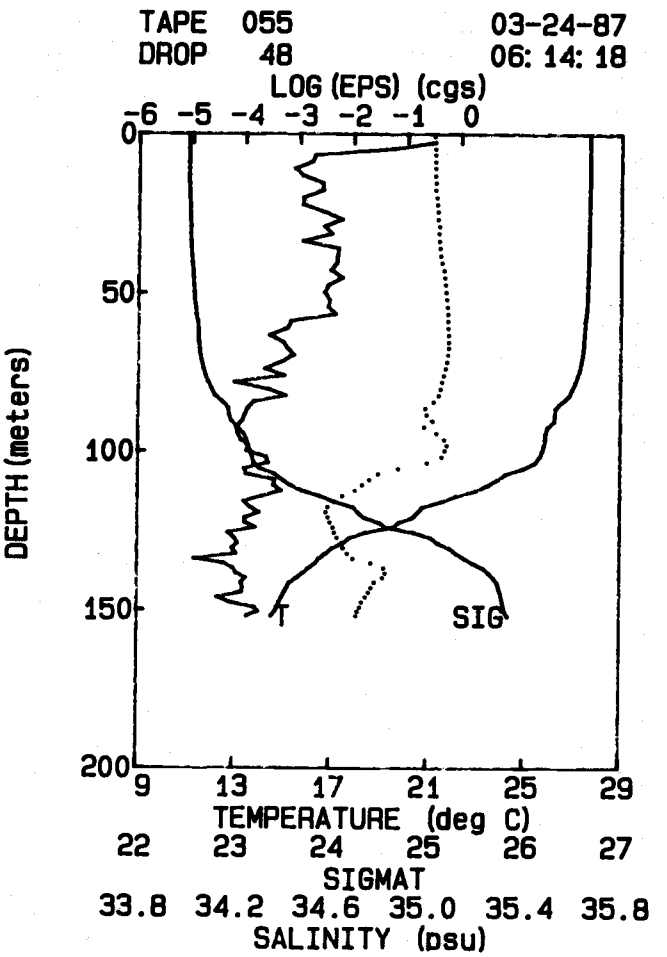
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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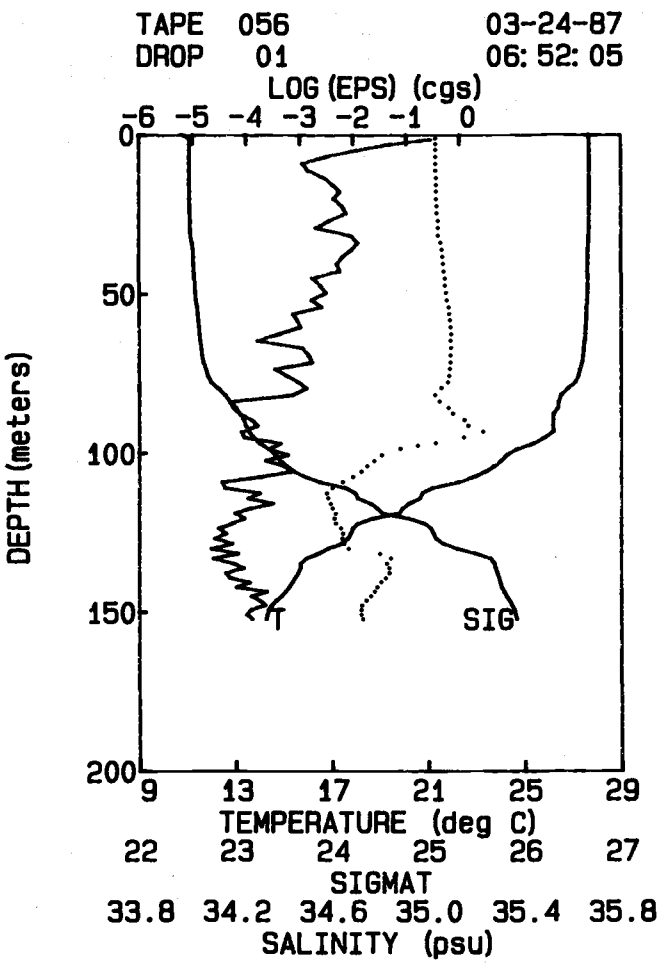
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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TEMPERATURE (deg C)
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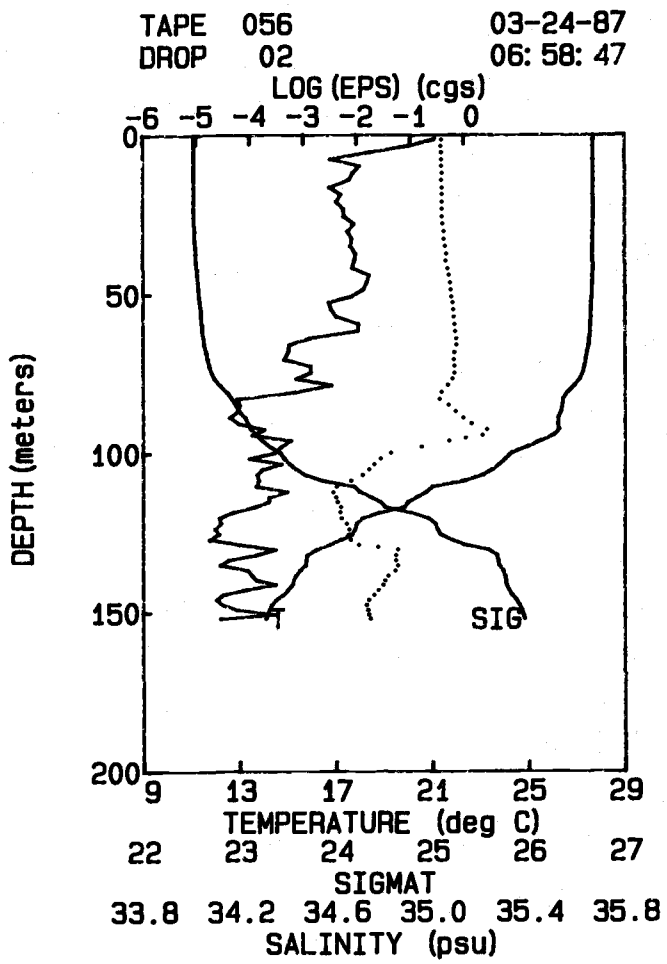
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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150
200
T
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SIGMAT
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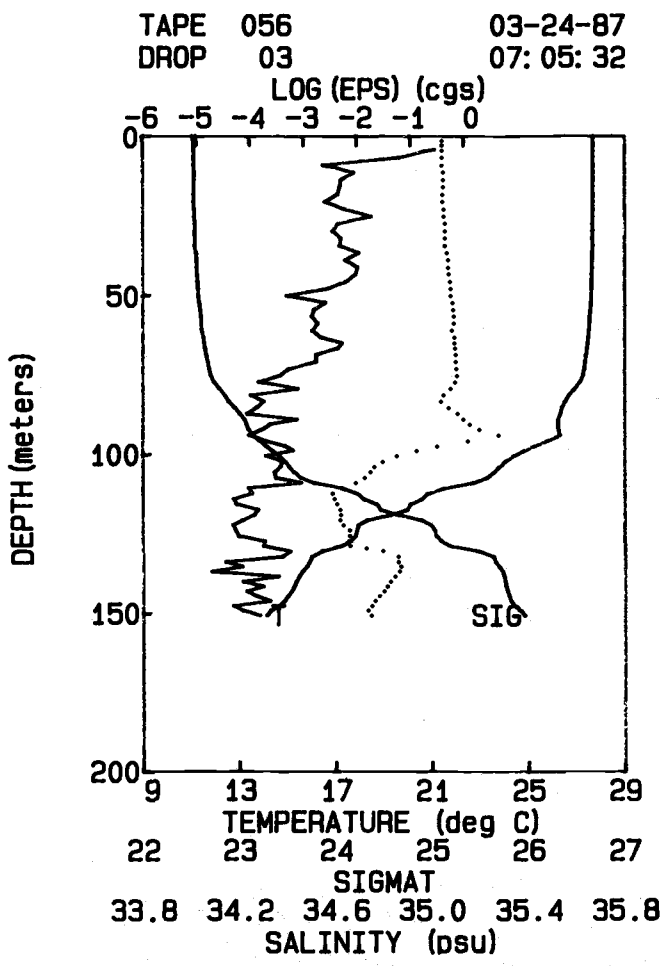
SALINITY (psu)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150
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SIG
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SIGMAT
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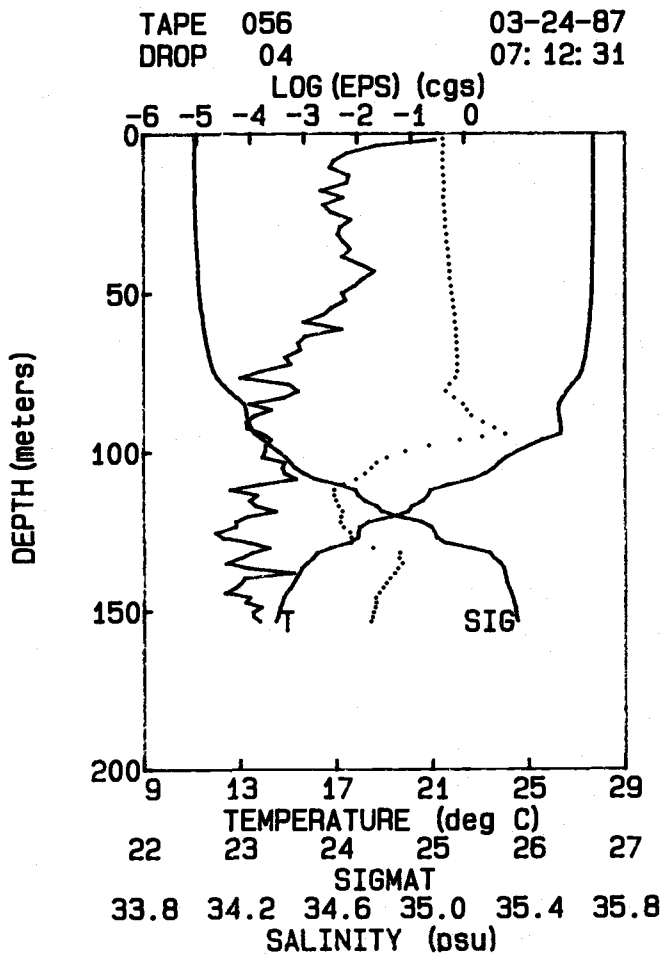
SALINITY (psu)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150
200
T
SIG
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SIGMAT
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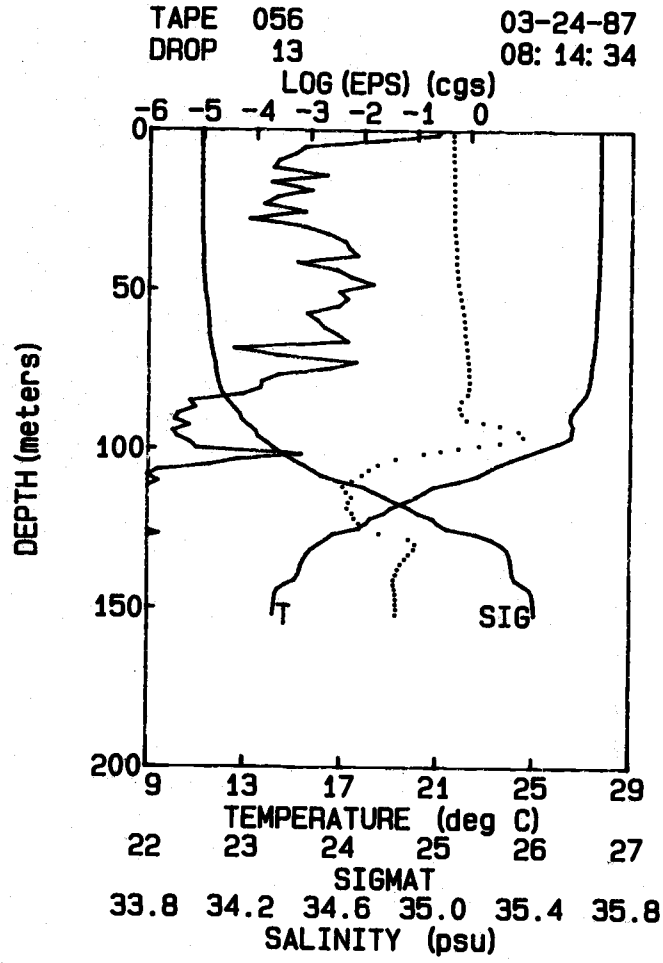
SALINITY (psu)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100
150
200
T
SIG
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TEMPERATURE (deg C)
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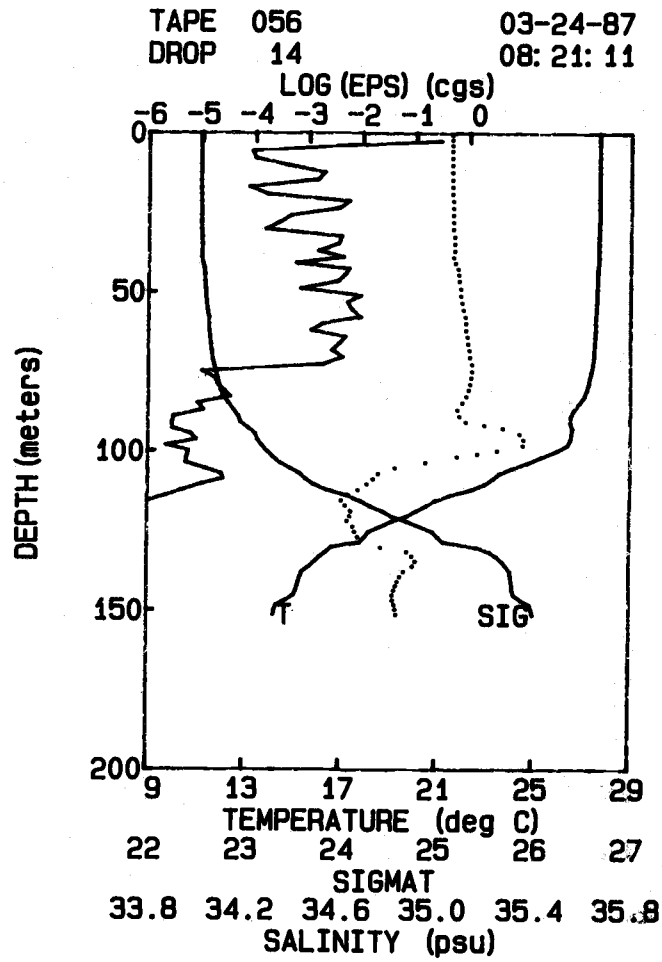
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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150
200
T
SIG
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SIGMAT
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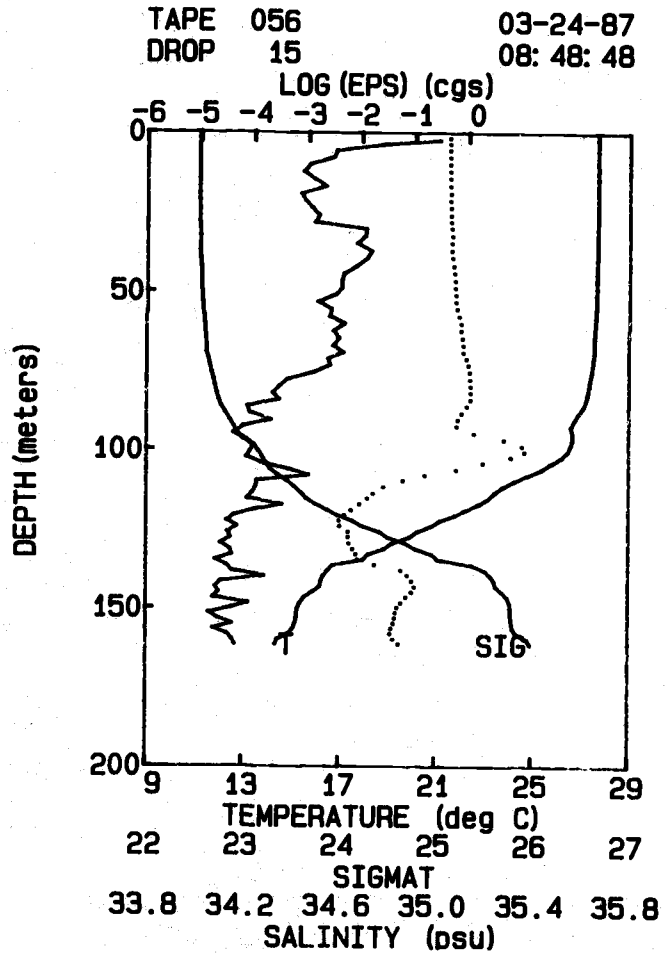
SALINITY (psu)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150
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T
SIG
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SIGMAT
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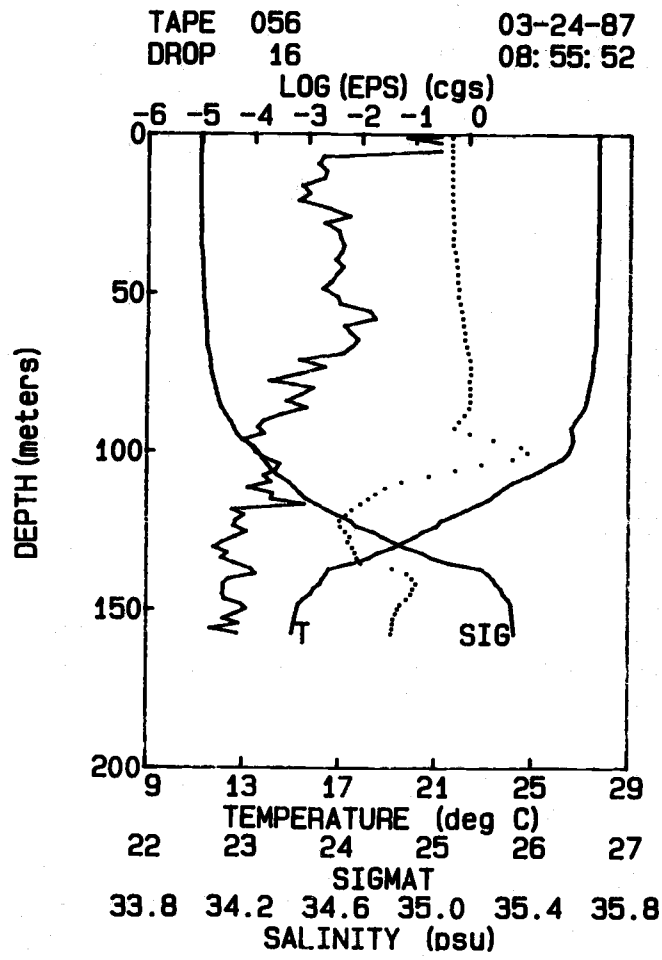
SALINITY (psu)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200
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SIG
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TEMPERATURE (deg C)
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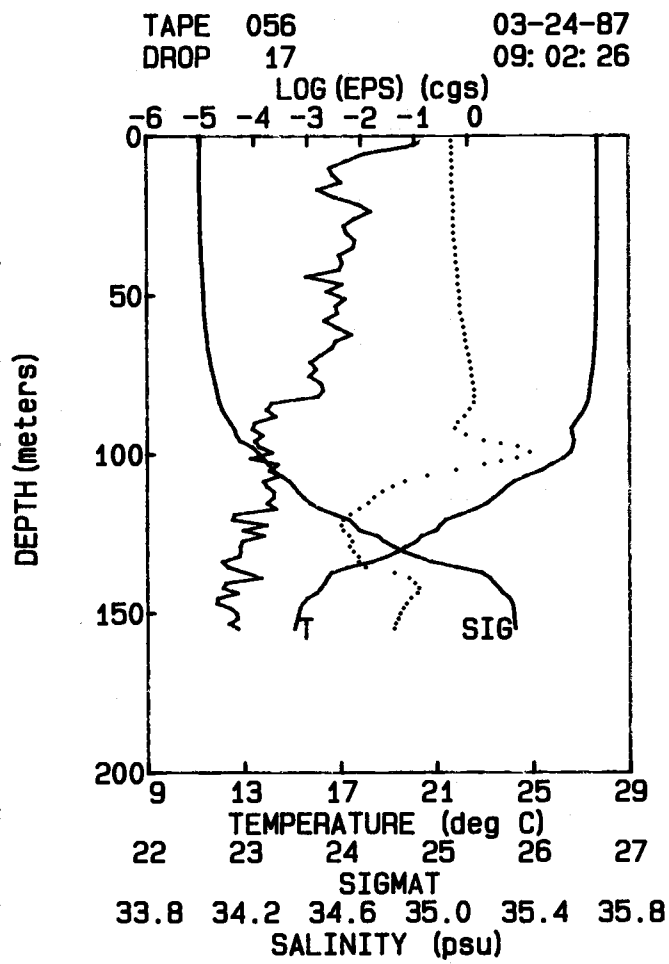
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
T
SIG
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TEMPERATURE (deg C)
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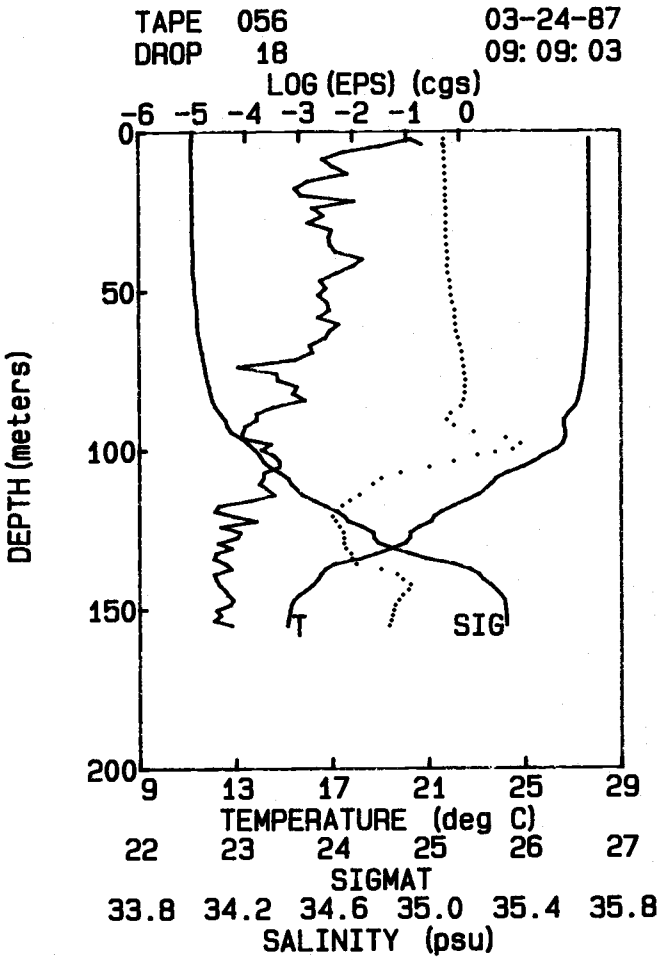
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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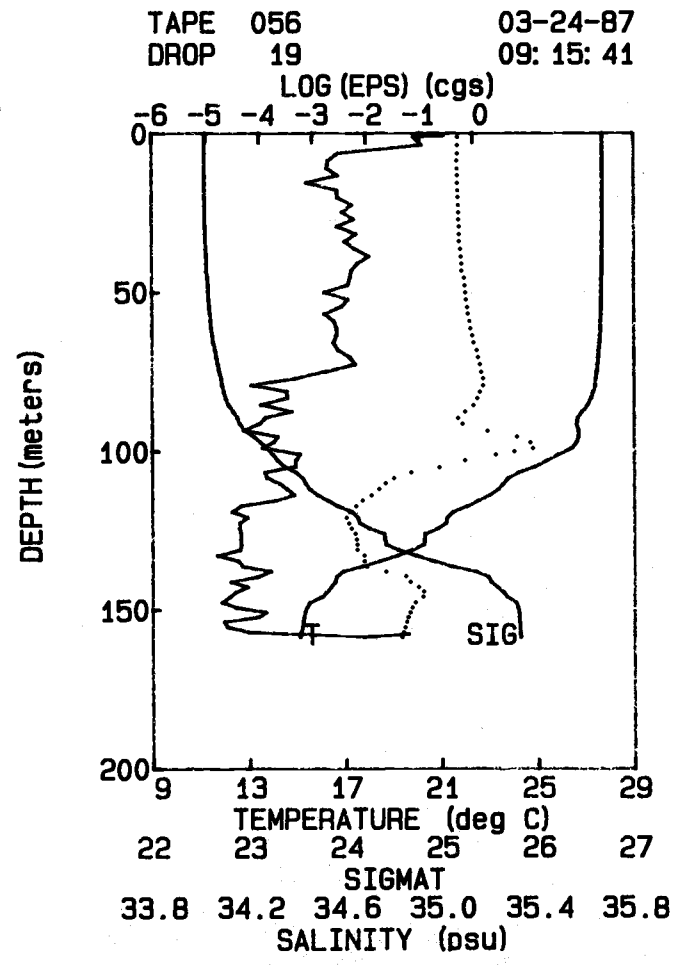
SALINITY (psu)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DEPTH (meters)
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150
200
T
SIG
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TEMPERATURE (deg C)
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SIGMAT
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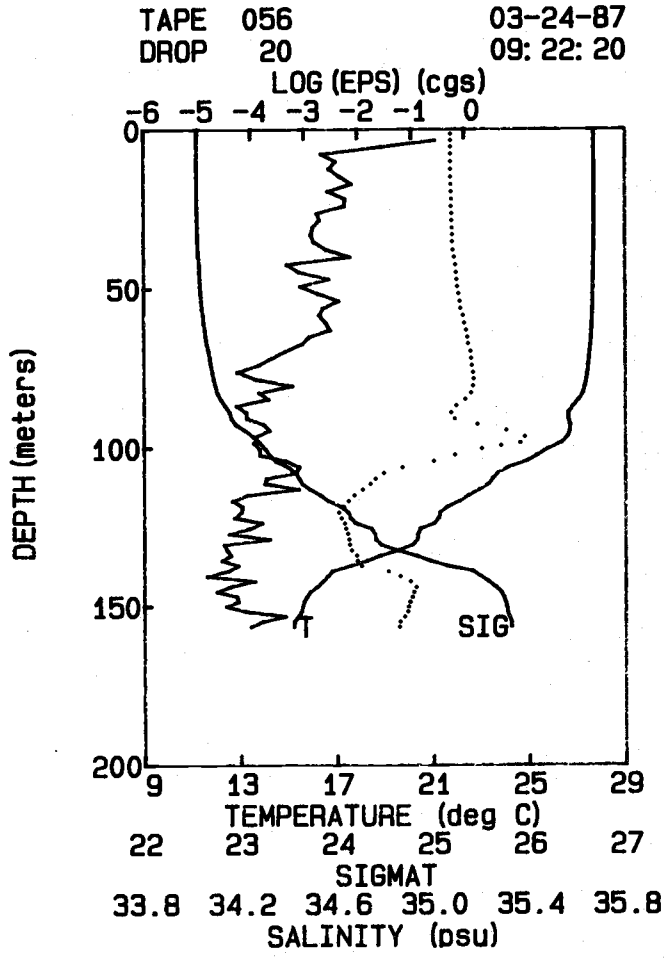
SALINITY (psu)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200
T
SIG
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SIGMAT
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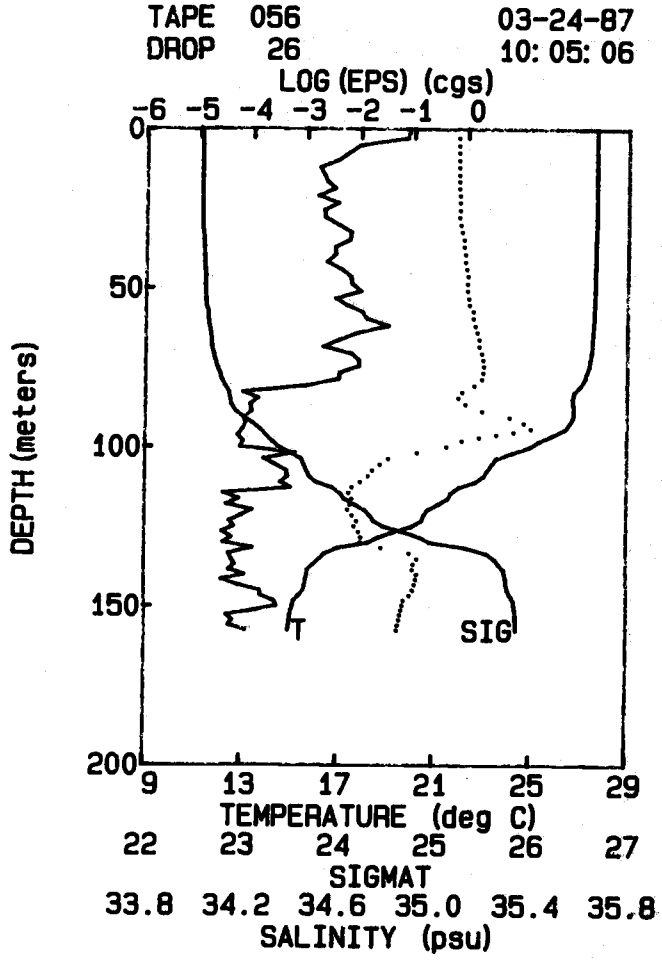
SALINITY (psu)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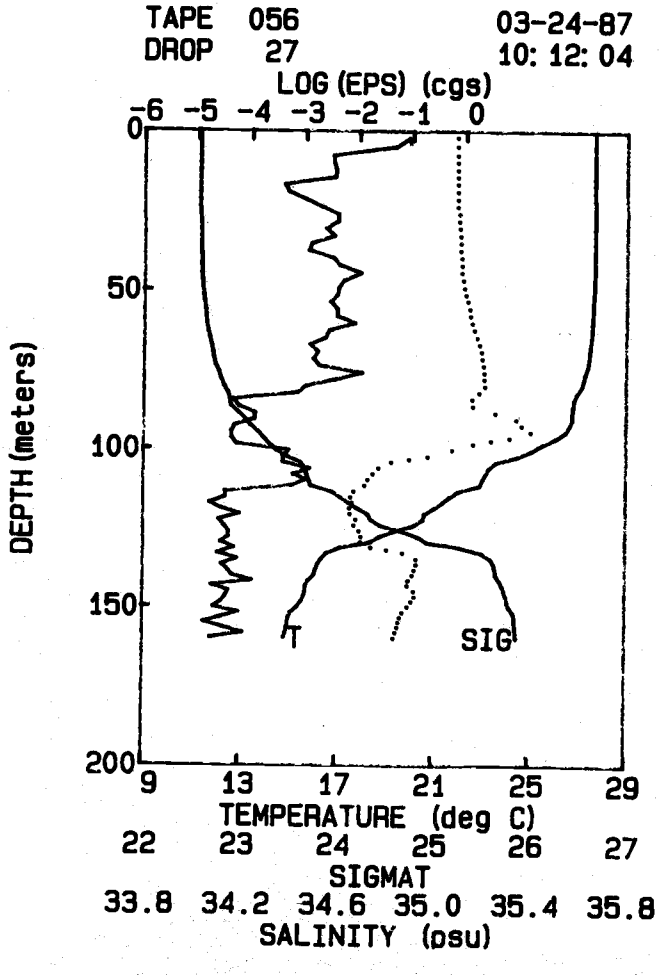
03-24-87
10: 05: 06
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-24-87
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LOG (EPS) (cgs)
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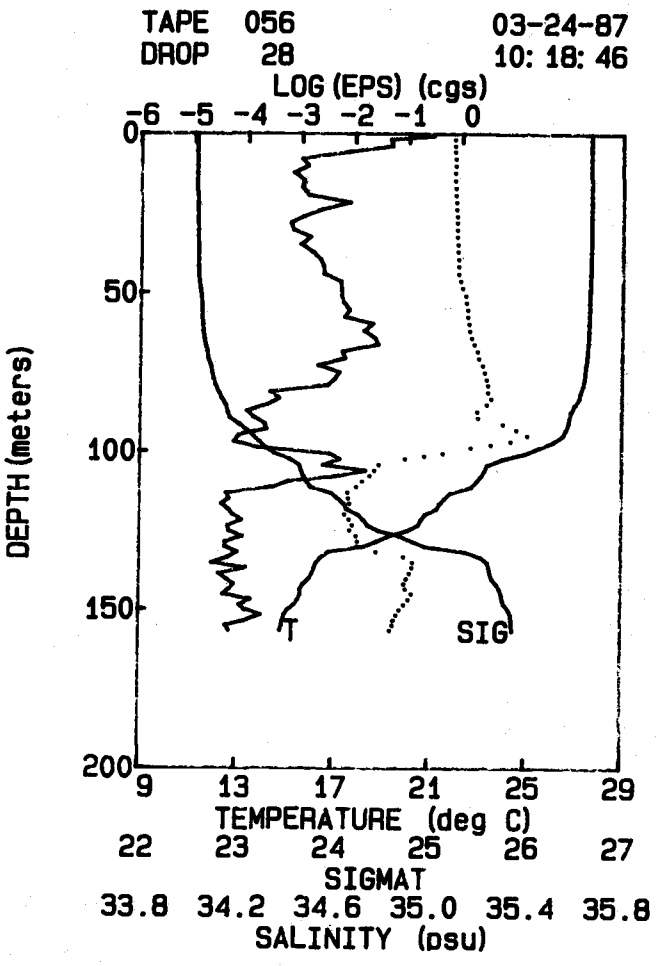
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-24-87
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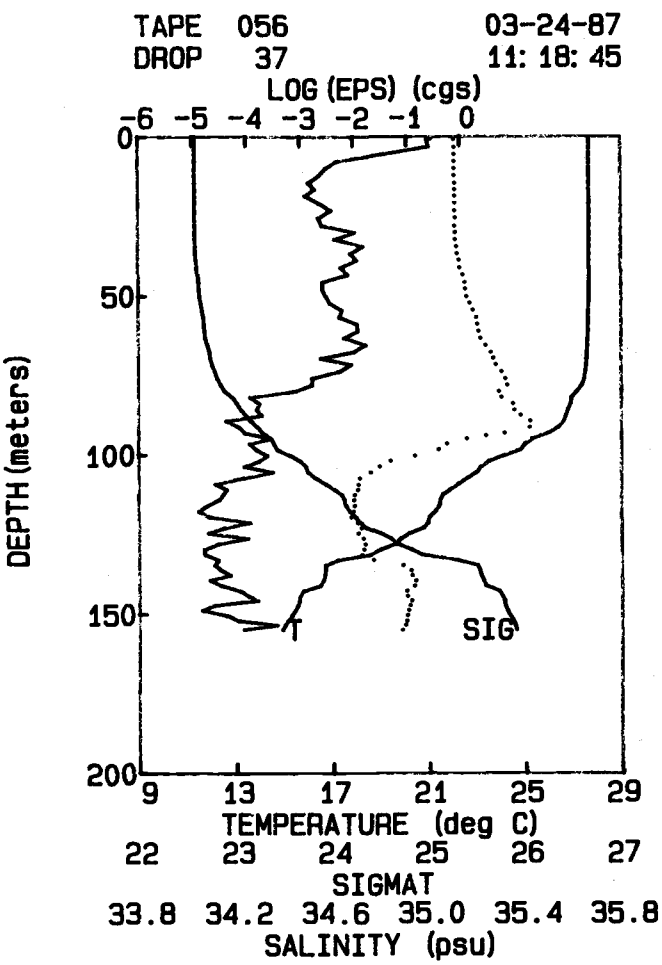
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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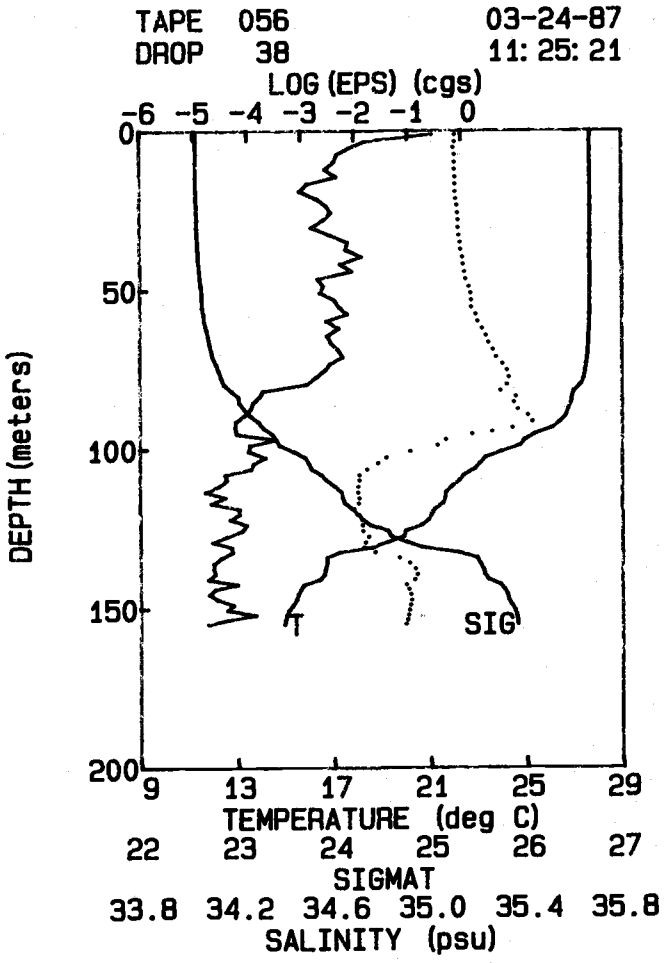
03-24-87
11: 18: 45
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 38
03-24-87
11: 25: 21
LOG (EPS) (cgs)
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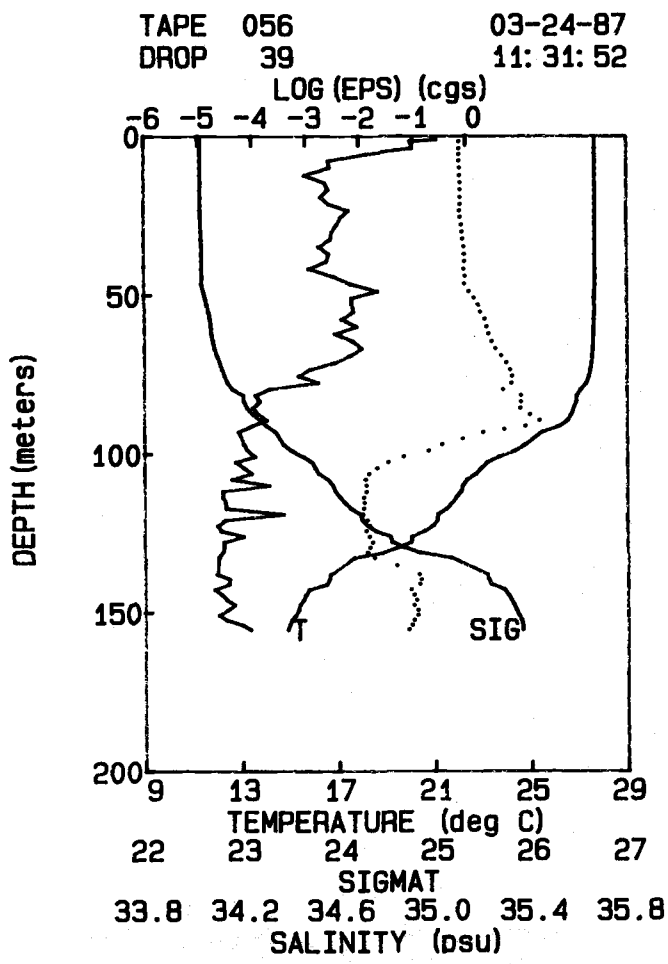
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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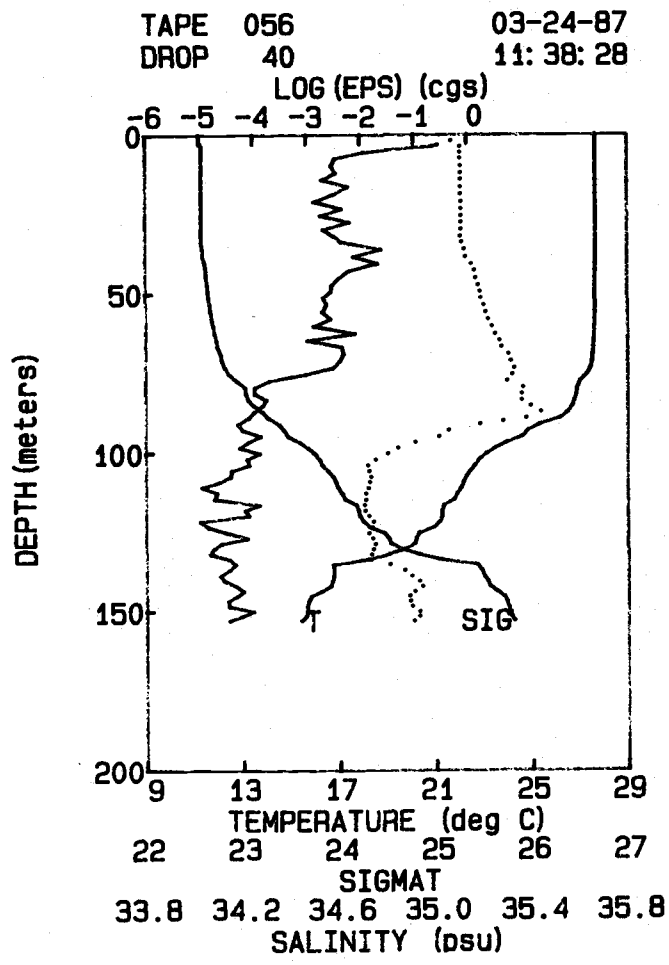
03-24-87
11: 31: 52
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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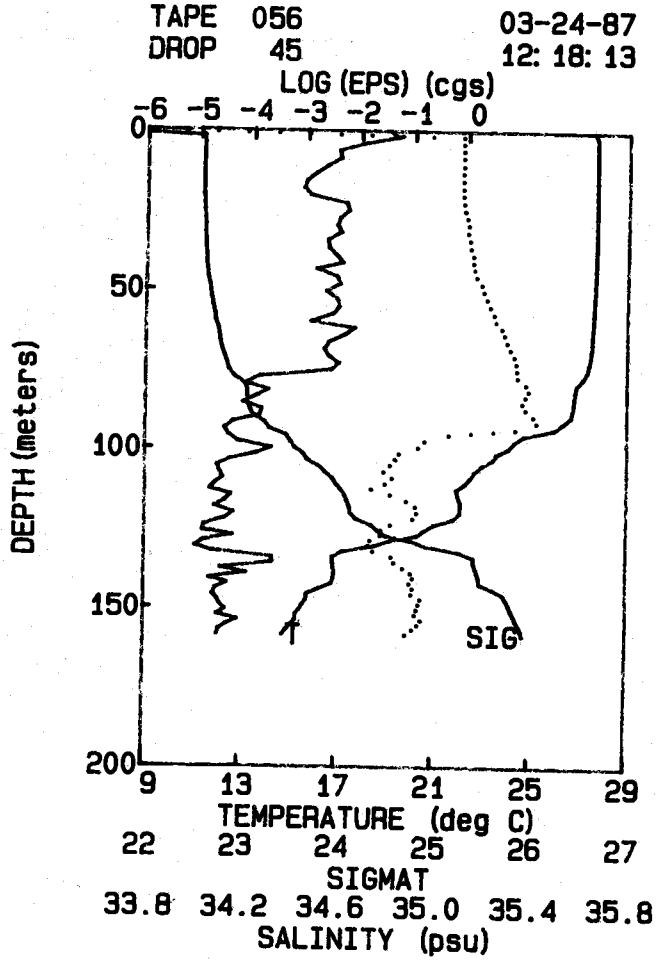
11: 38: 28
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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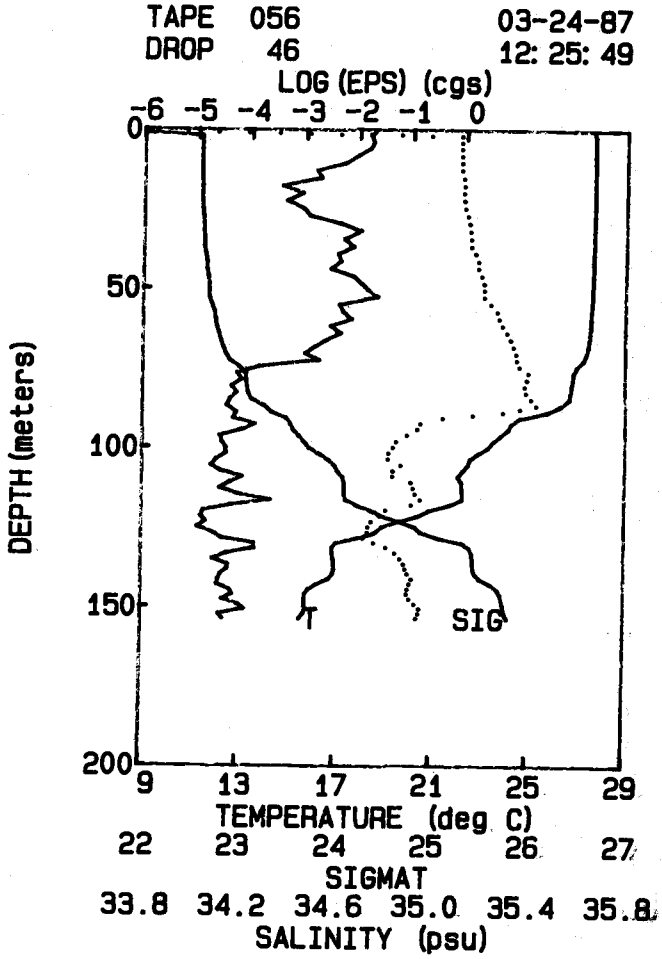
12: 18: 13
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
T
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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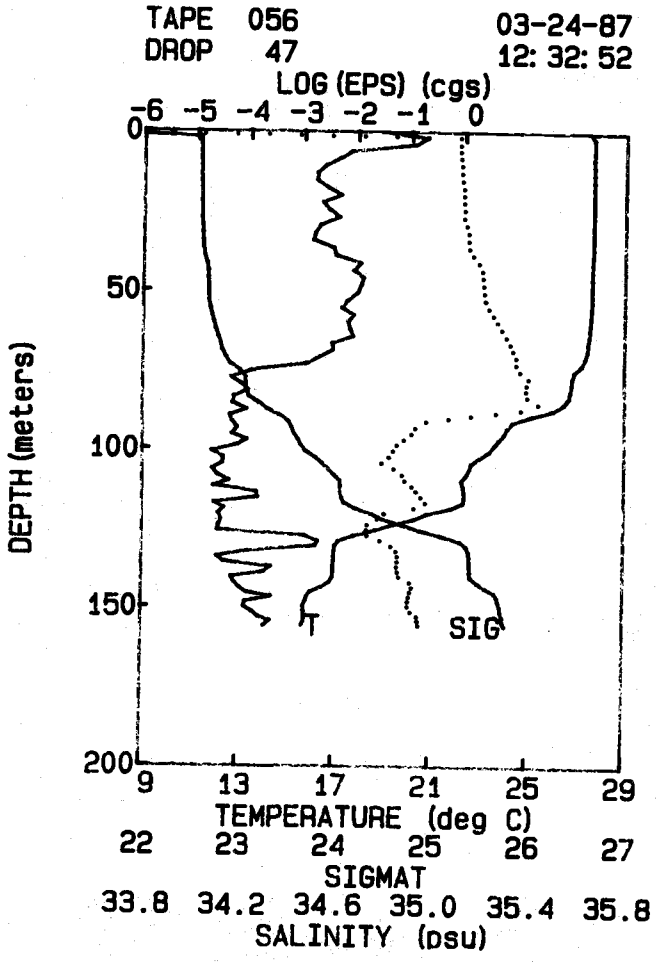
03-24-87
12: 25: 49
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
T
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-24-87
12: 32: 52
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
T
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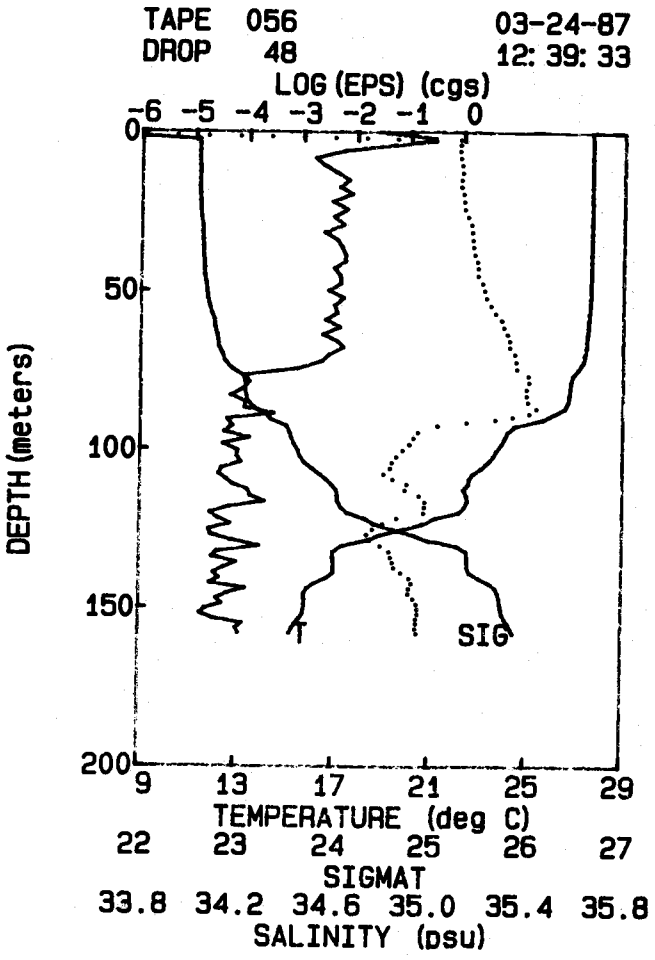
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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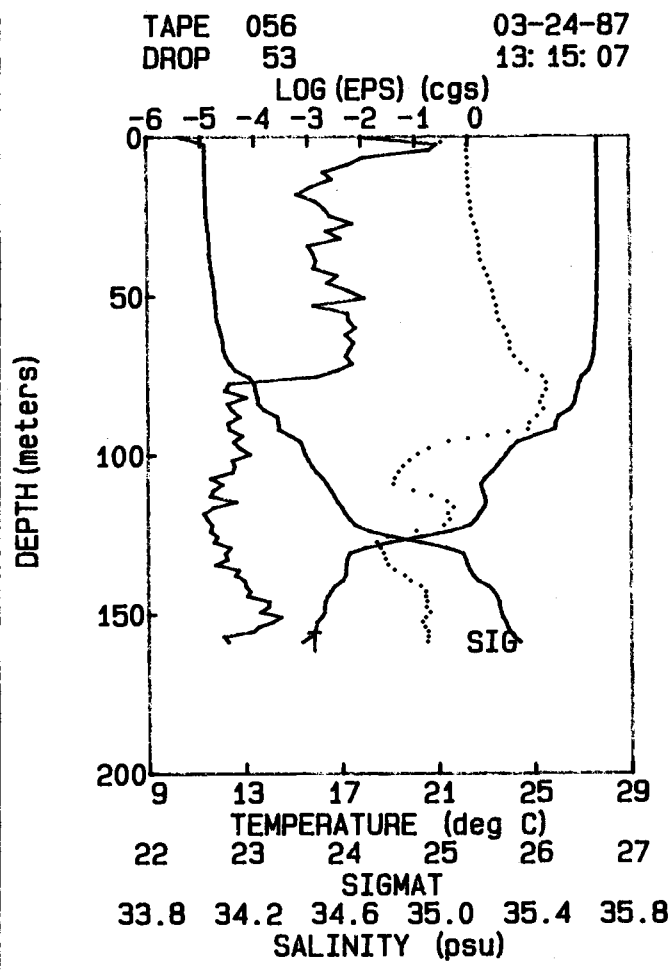
12: 39: 33
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
T
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-24-87
13: 15: 07
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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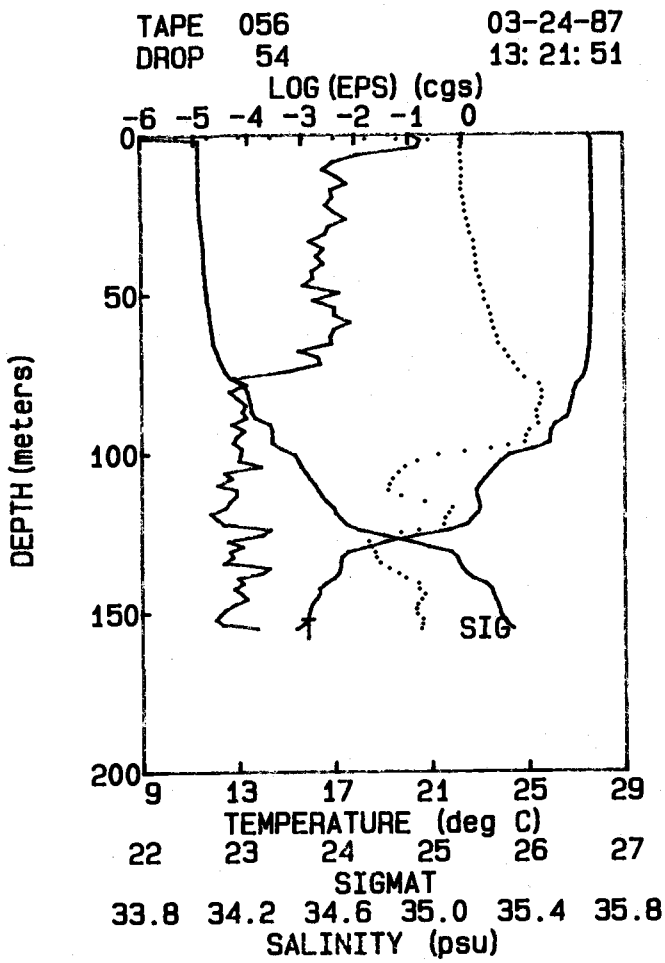
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 54
03-24-87
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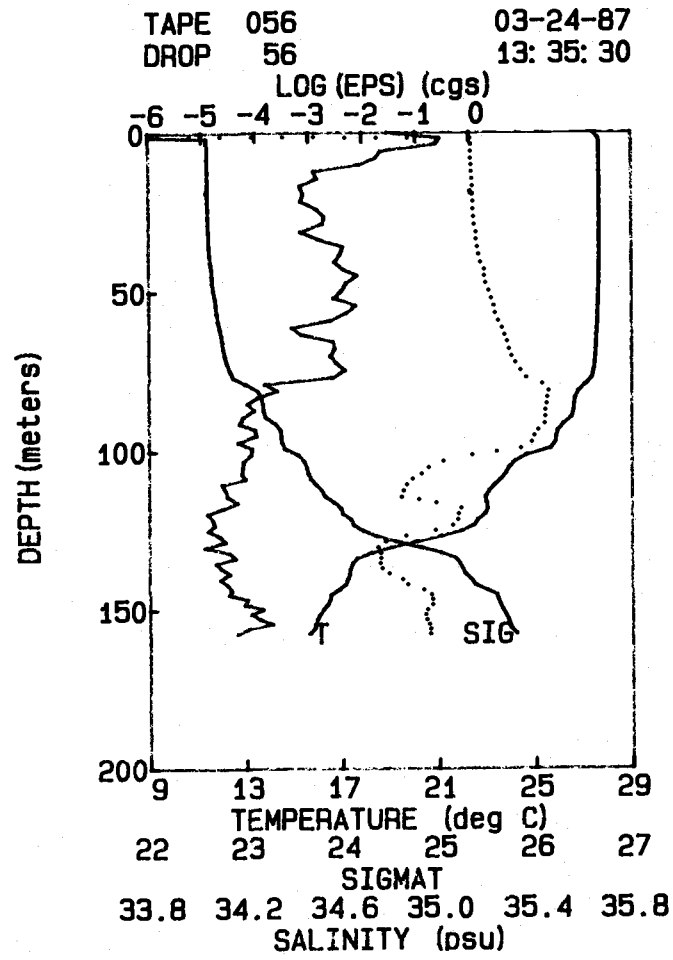
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 056
DROP 56
03-24-87
13: 35: 30
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
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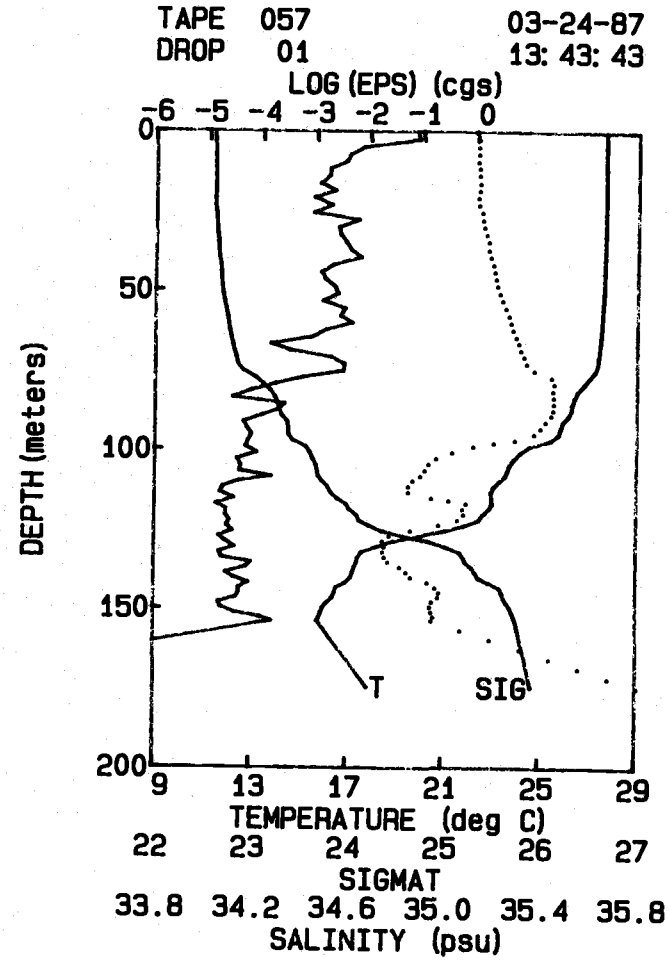
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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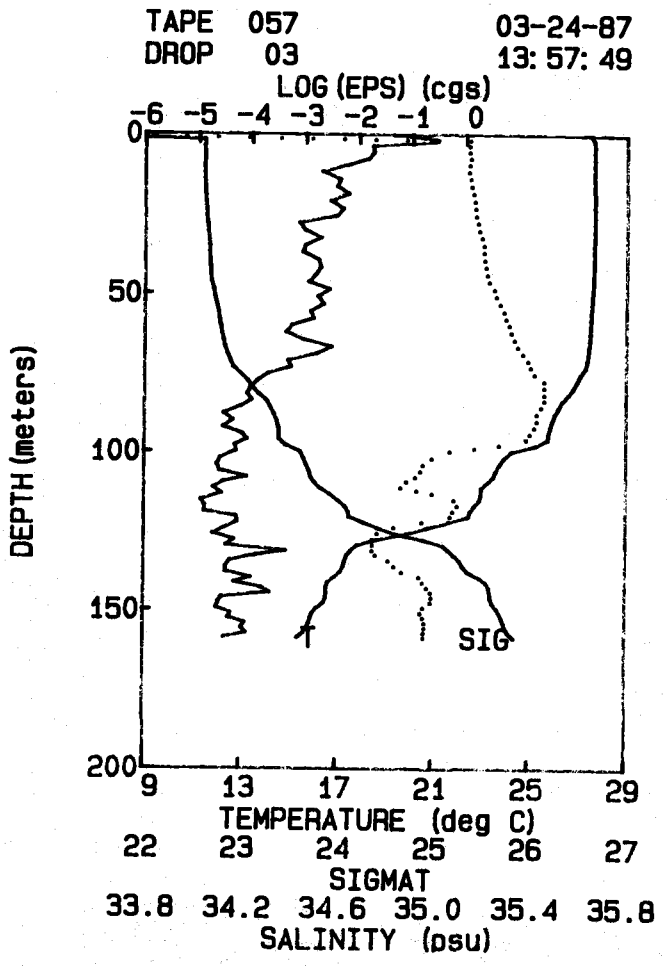
DROP 01
03-24-87
13: 43: 43
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
0
50
100
150
200
DEPTH (meters)
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 03
03-24-87
13: 57: 49
LOG (EPS) (cgs)
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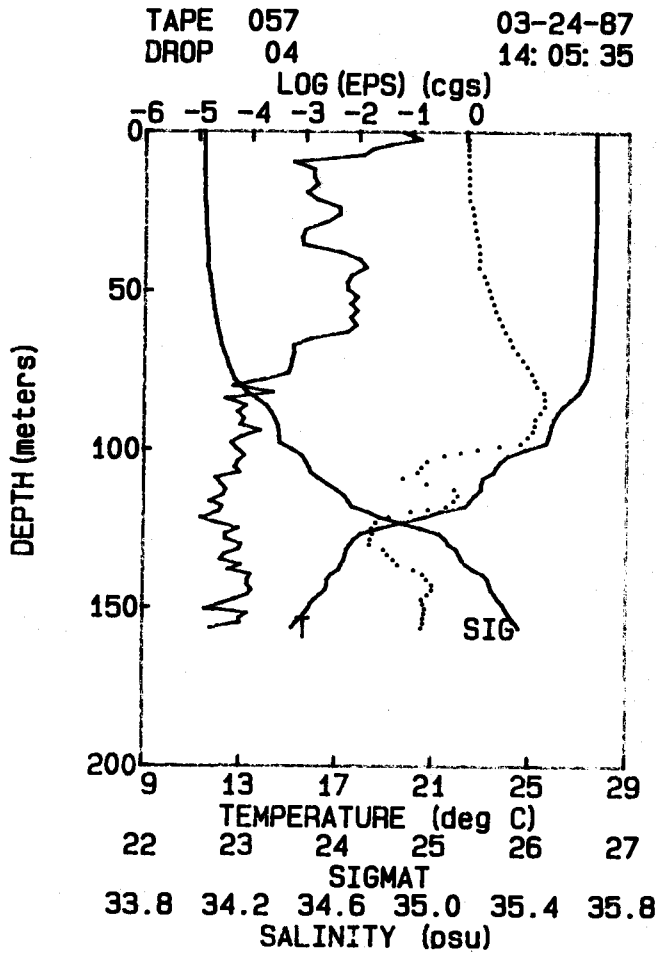
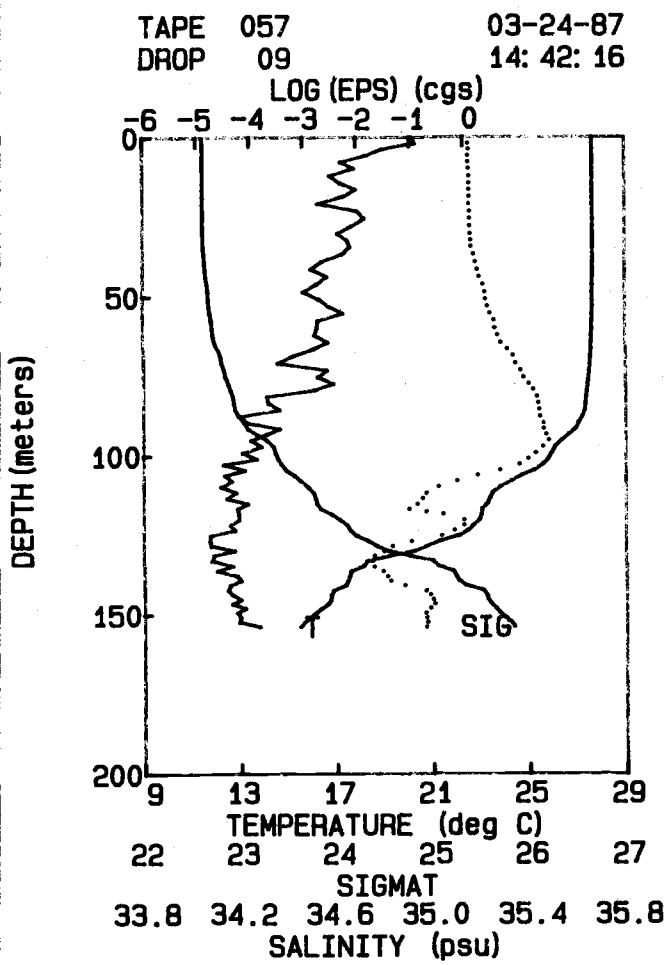
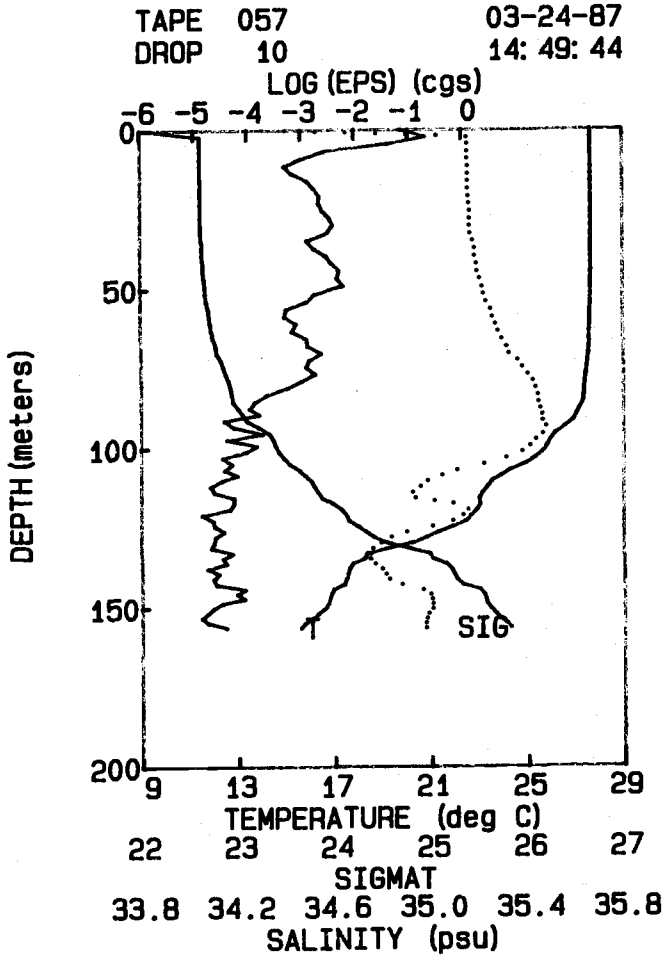
0
50
100
150
200
DEPTH (meters)
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 057
DROP 04
03-24-87
14: 05: 35
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
0
50
100
150
200
DEPTH (meters)
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 057
DROP 09
03-24-87
14: 42: 16
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-24-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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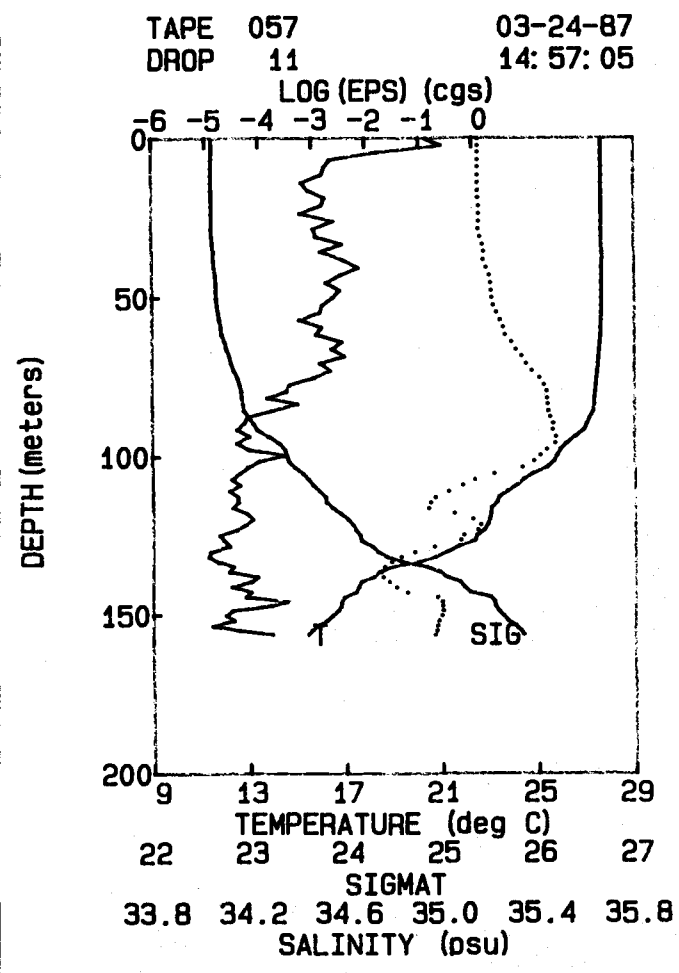
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-24-87
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DEPTH (meters)
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100
150
200
SIG
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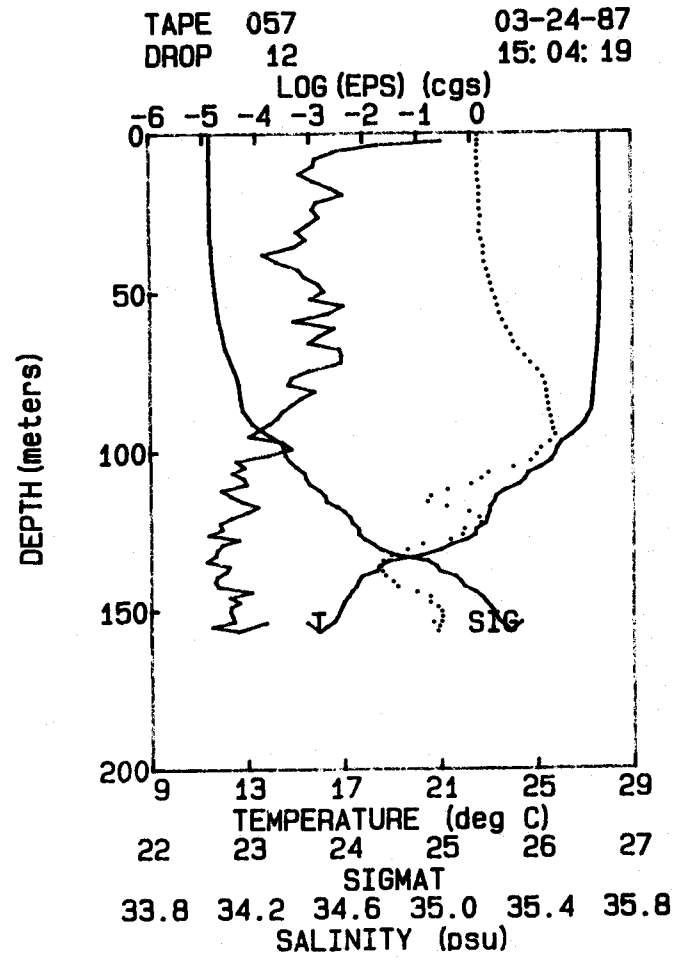
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-24-87
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DEPTH (meters)
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50
100
150
200
SIG
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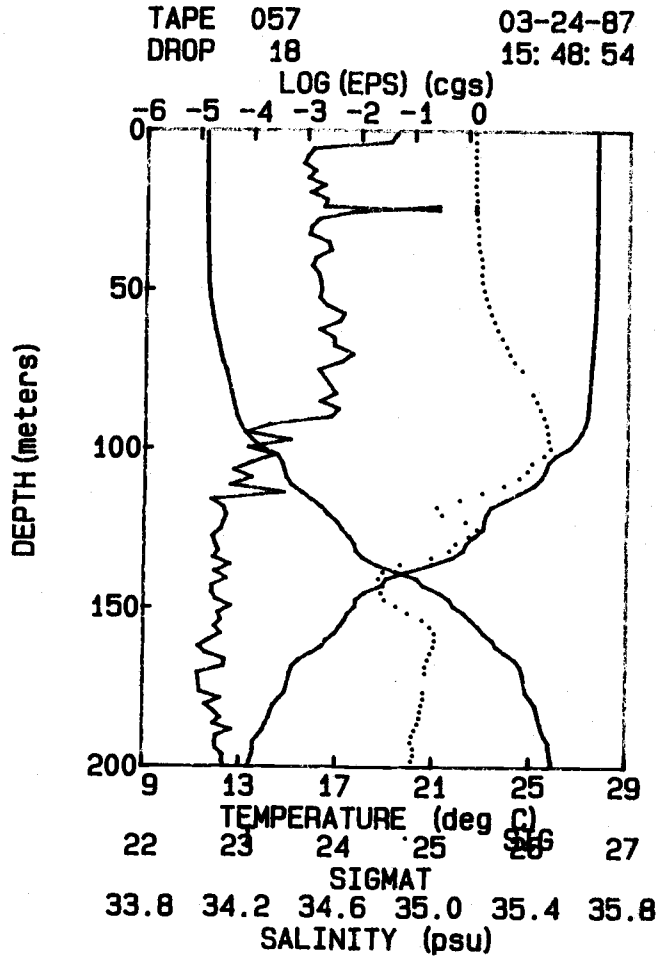
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
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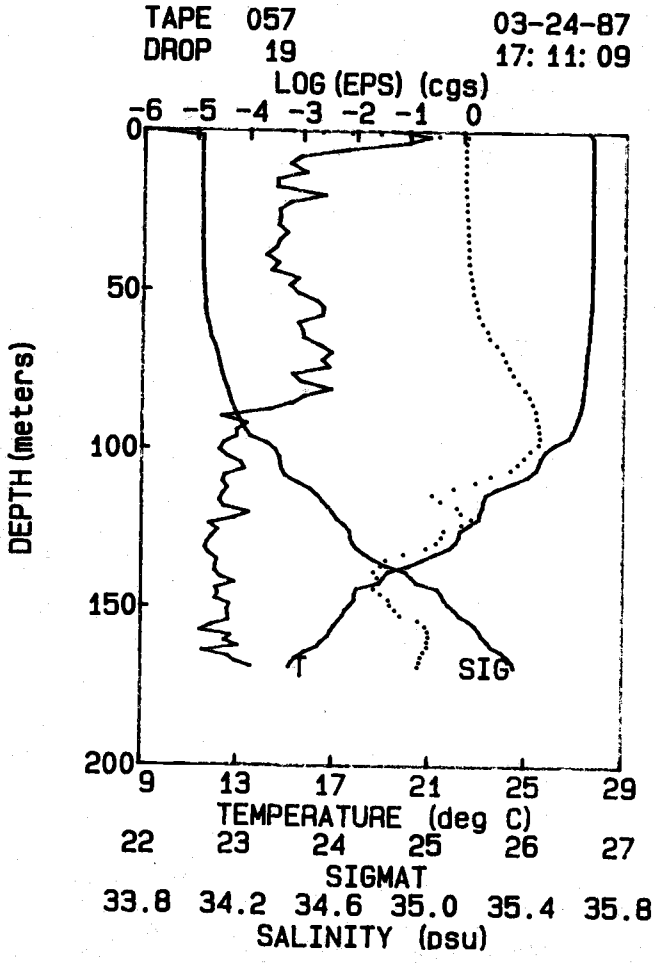
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-24-87
17: 11: 09
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DEPTH (meters)
0
50
100
150
200
SIG
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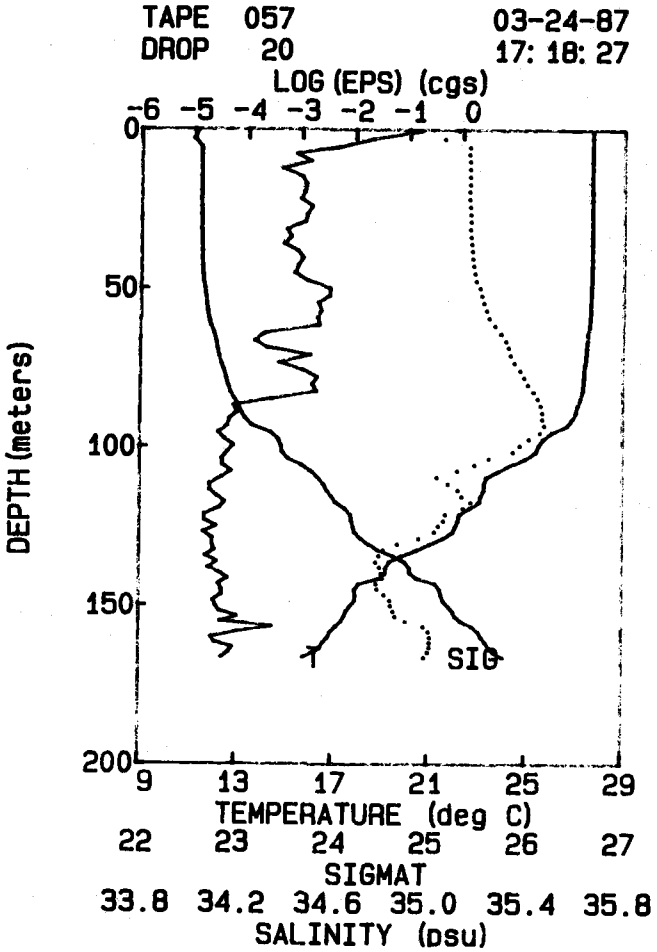
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-24-87
17: 18: 27
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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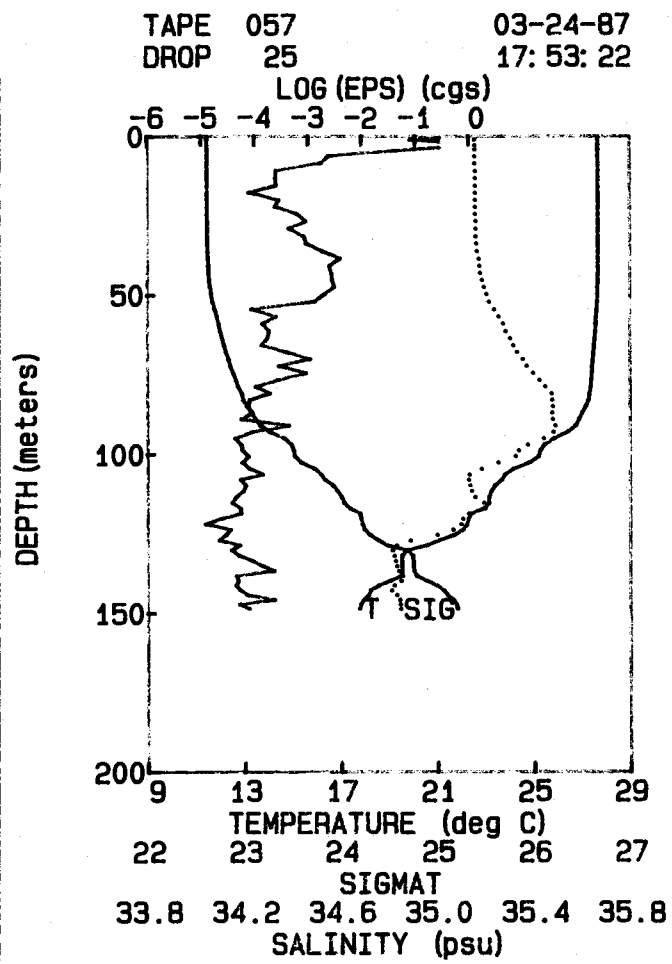
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-24-87
17: 53: 22
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T SIG
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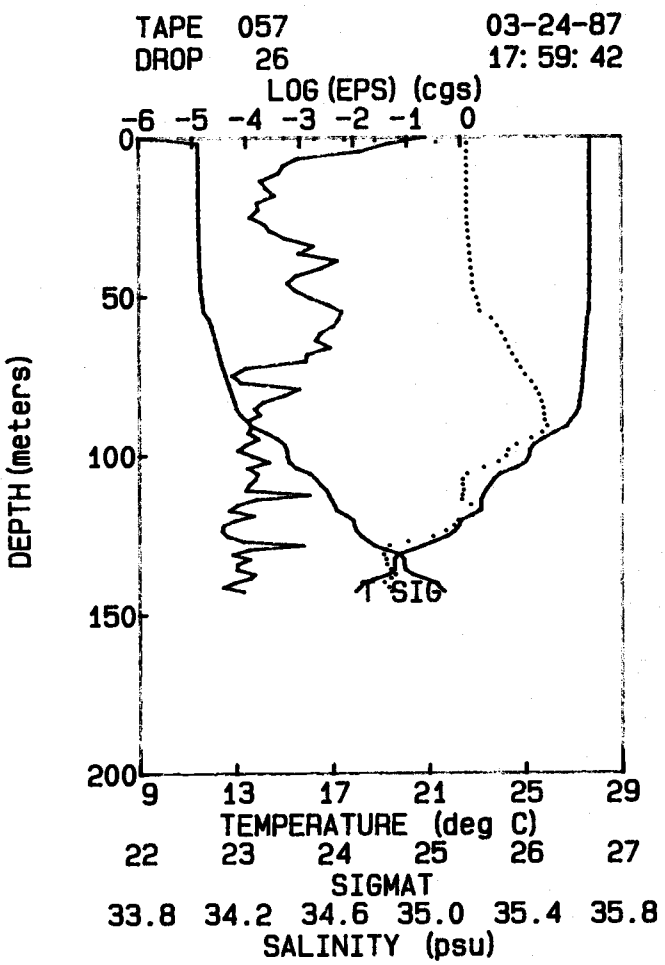
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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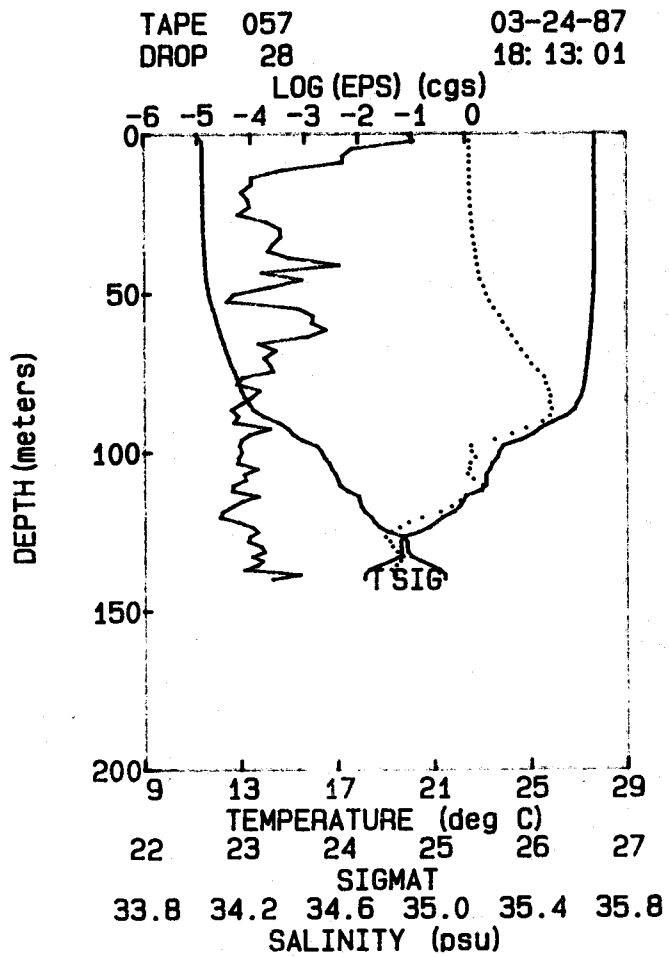
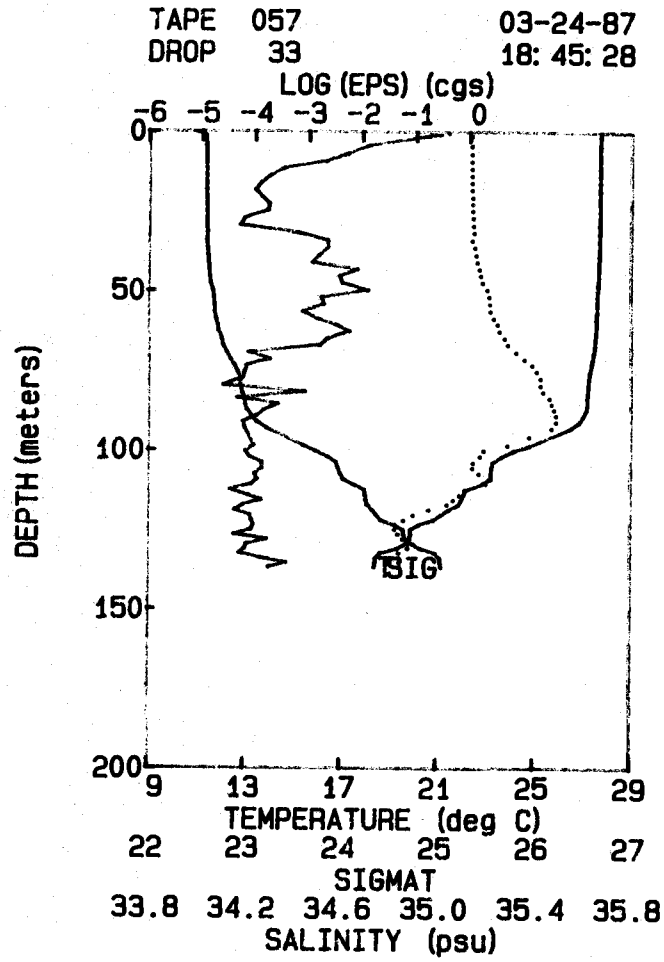
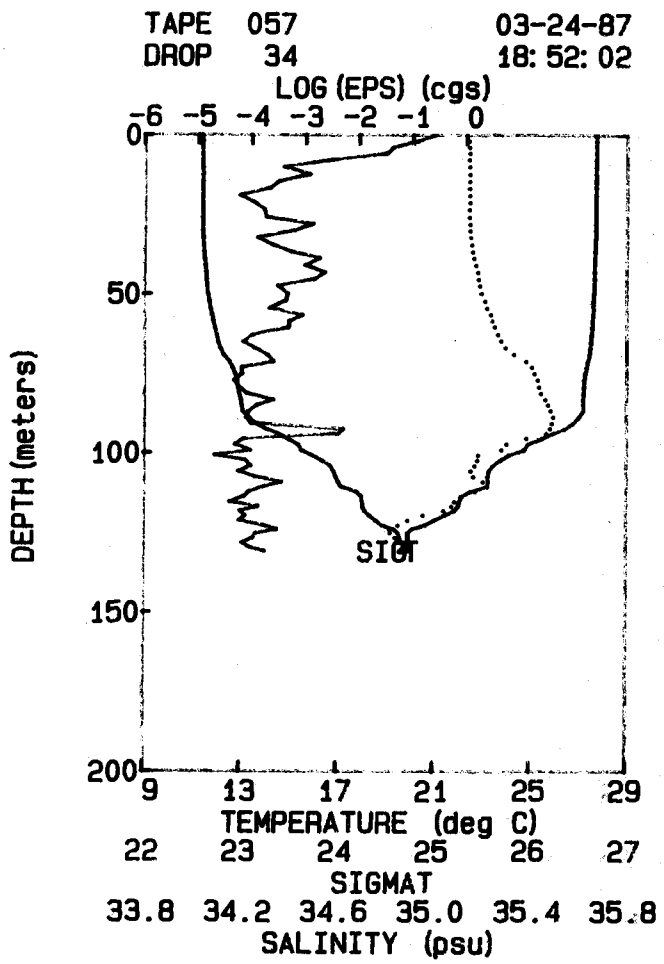
03-24-87
17: 59: 42
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 057
DROP 28
03-24-87
18: 13: 01
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 057
DROP 33
03-24-87
18: 45: 28
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-24-87
18: 52: 02
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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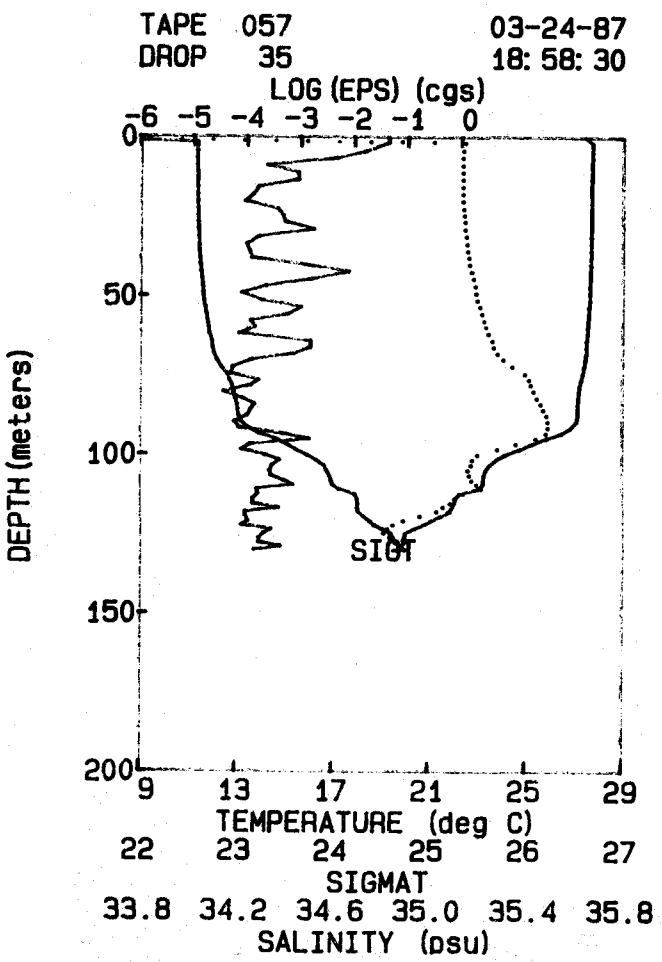
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-24-87
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DEPTH (meters)
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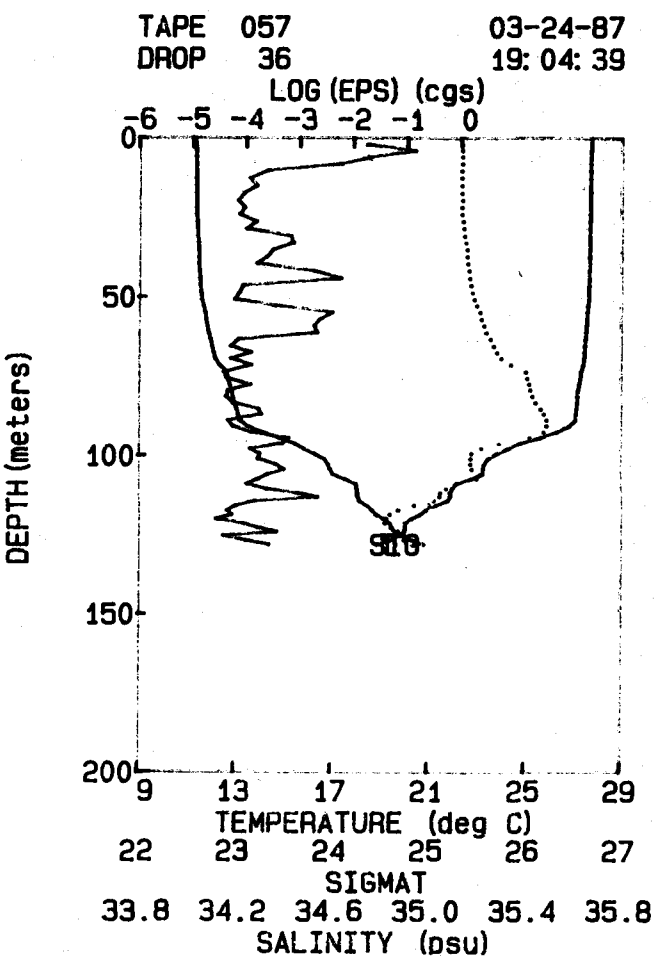
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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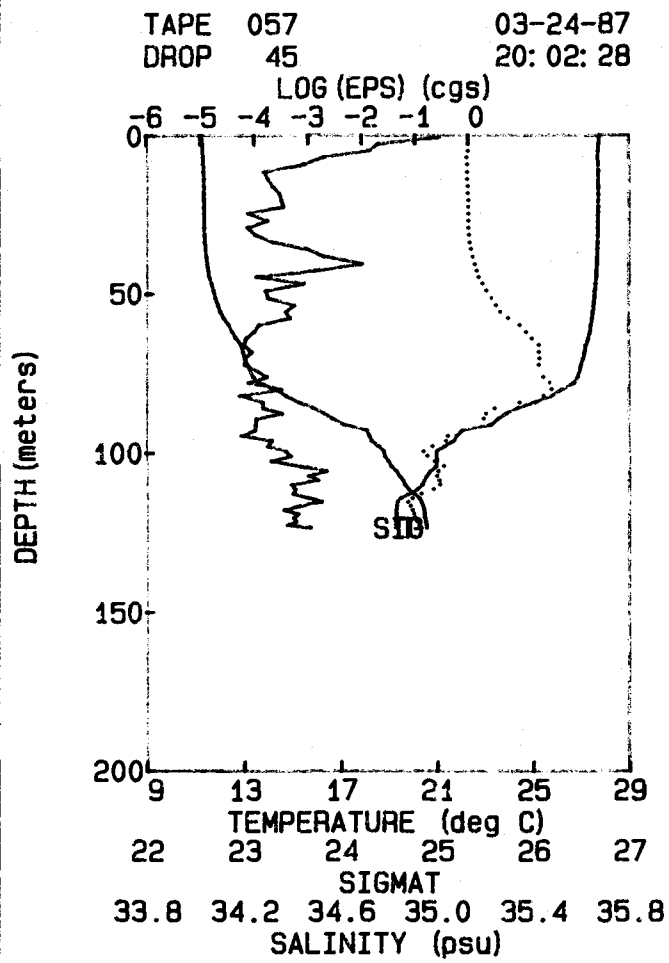
03-24-87
19: 04: 39
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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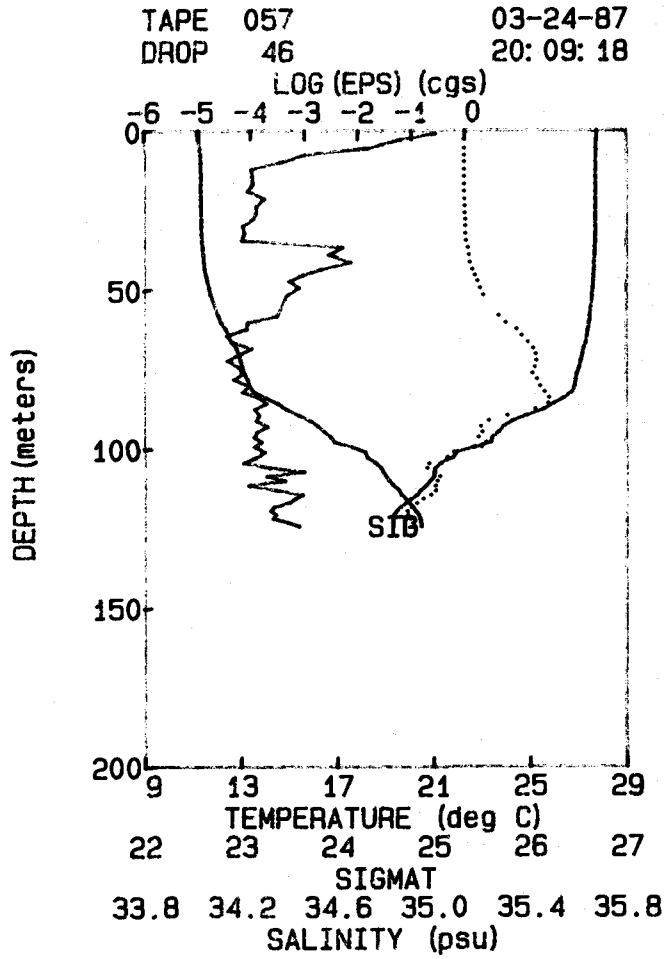
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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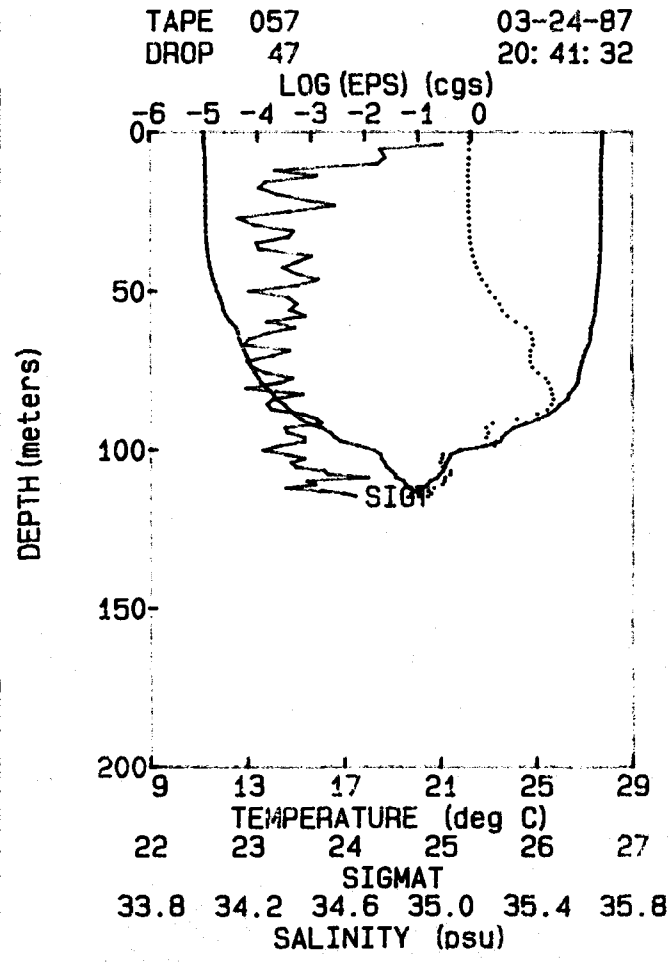
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-24-87
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LOG (EPS) (cgs)
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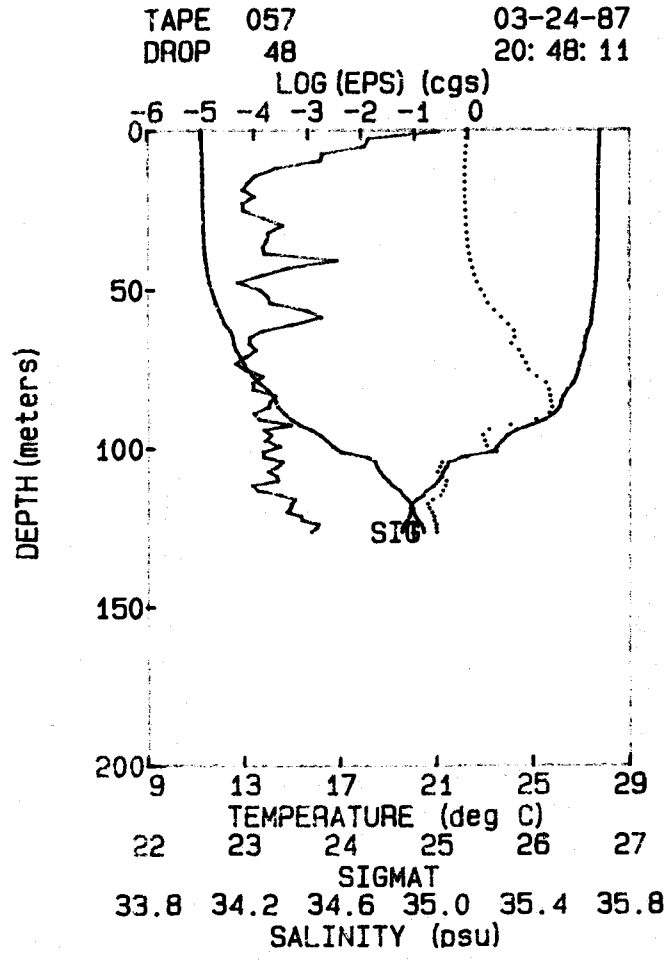
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIG
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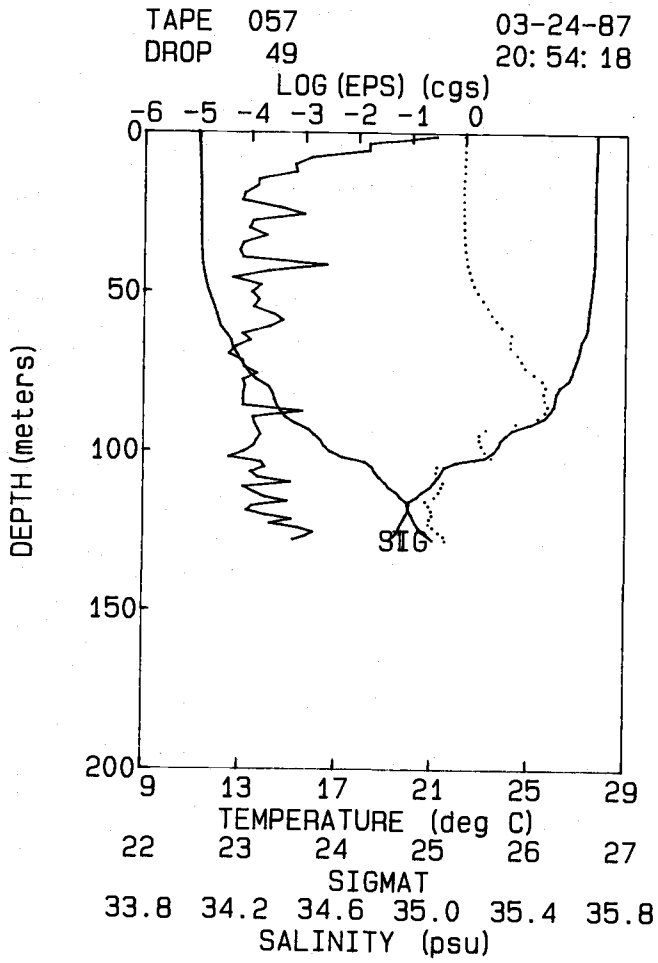
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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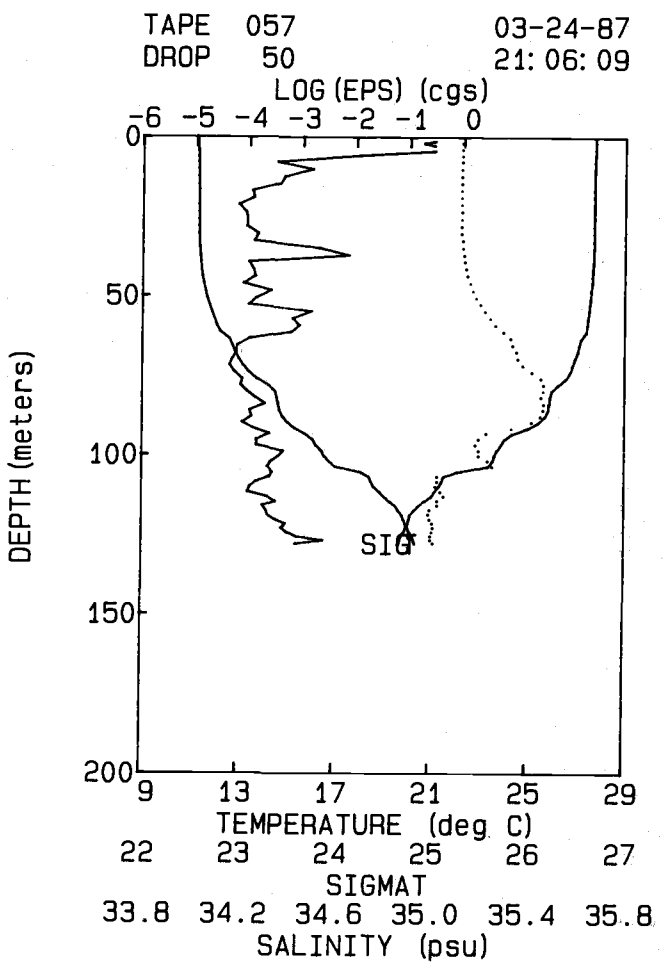
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
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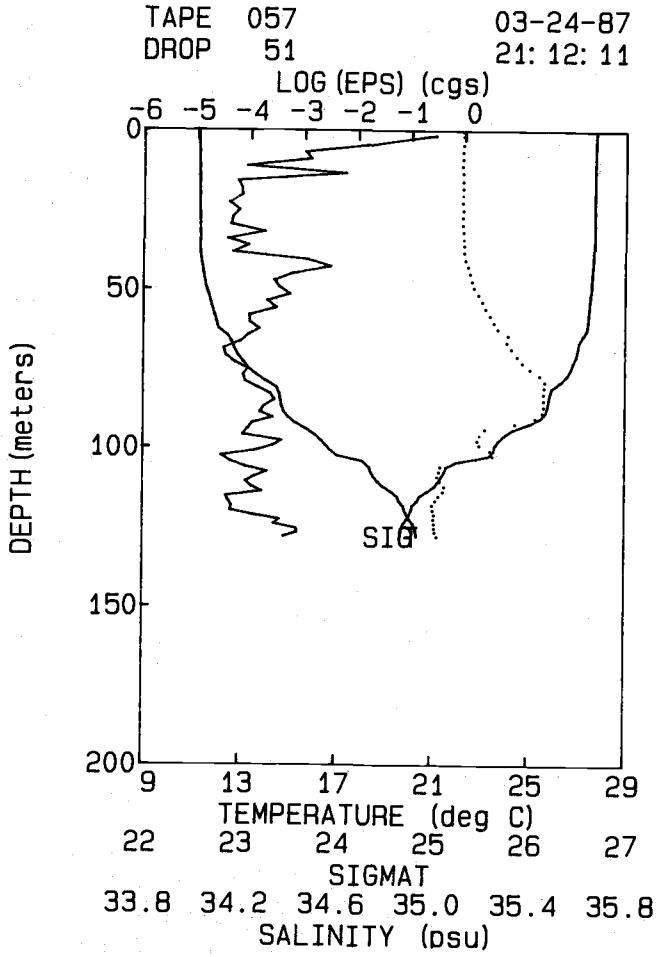
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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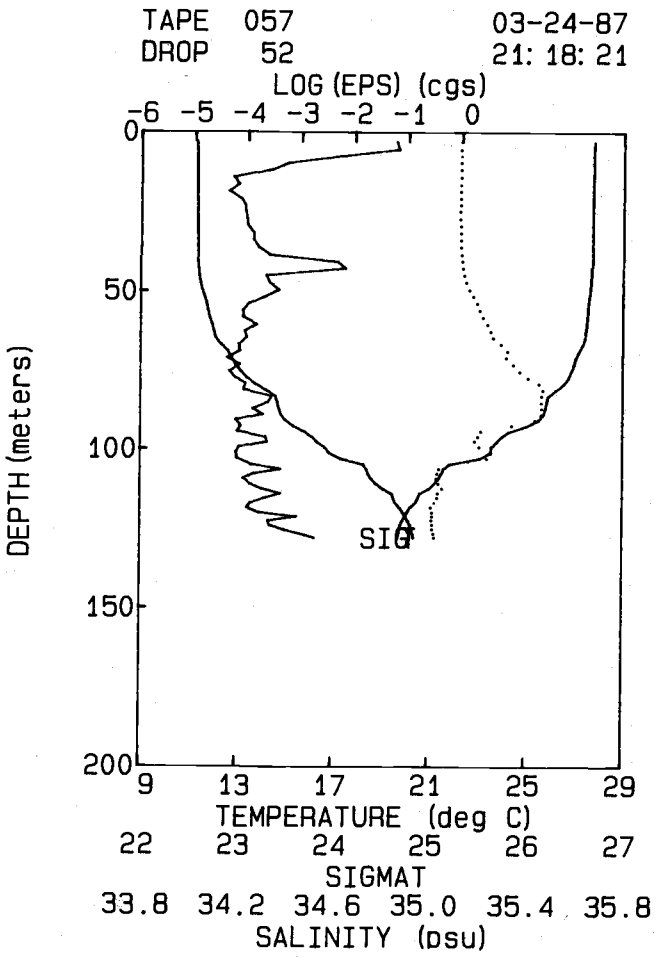
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-24-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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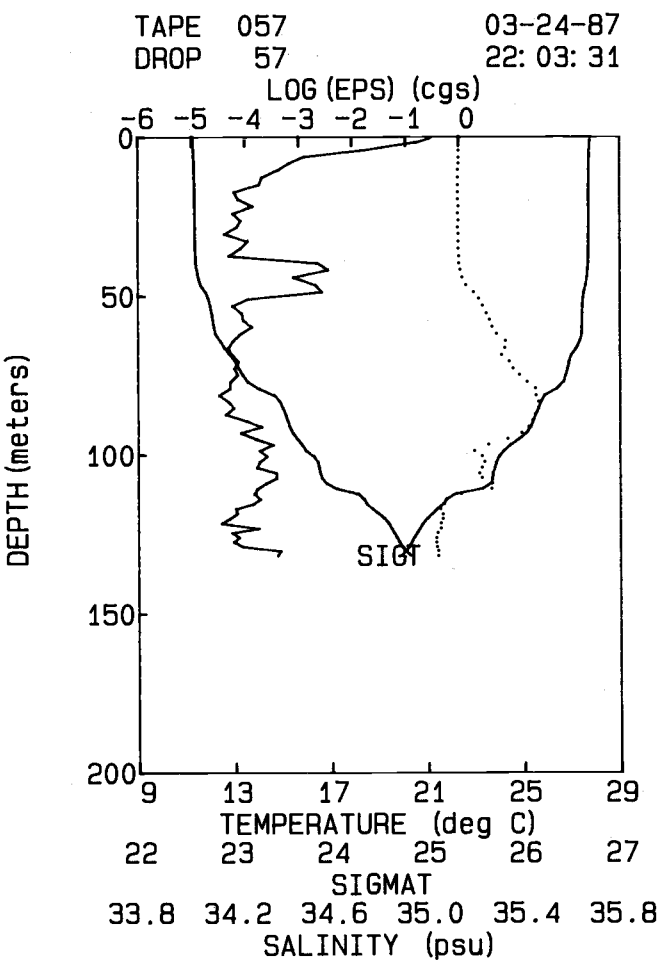
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIGT
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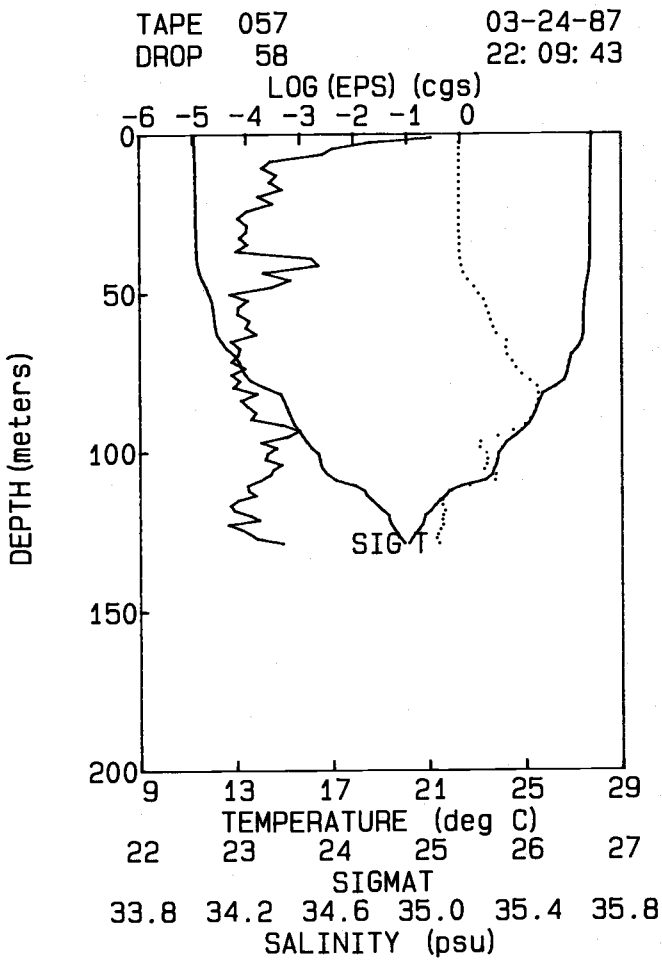
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIGT
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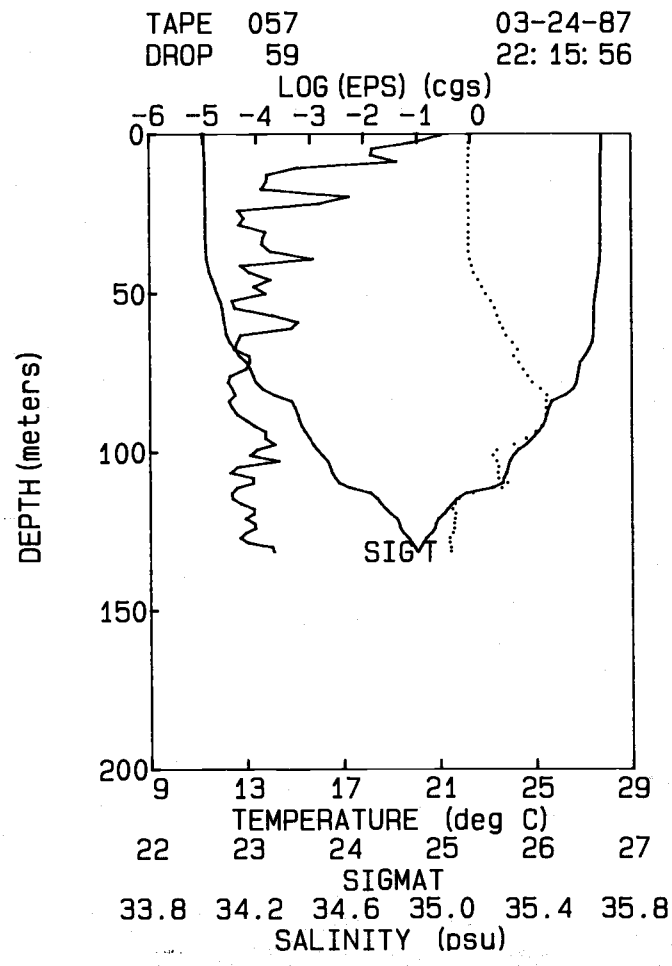
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIGT
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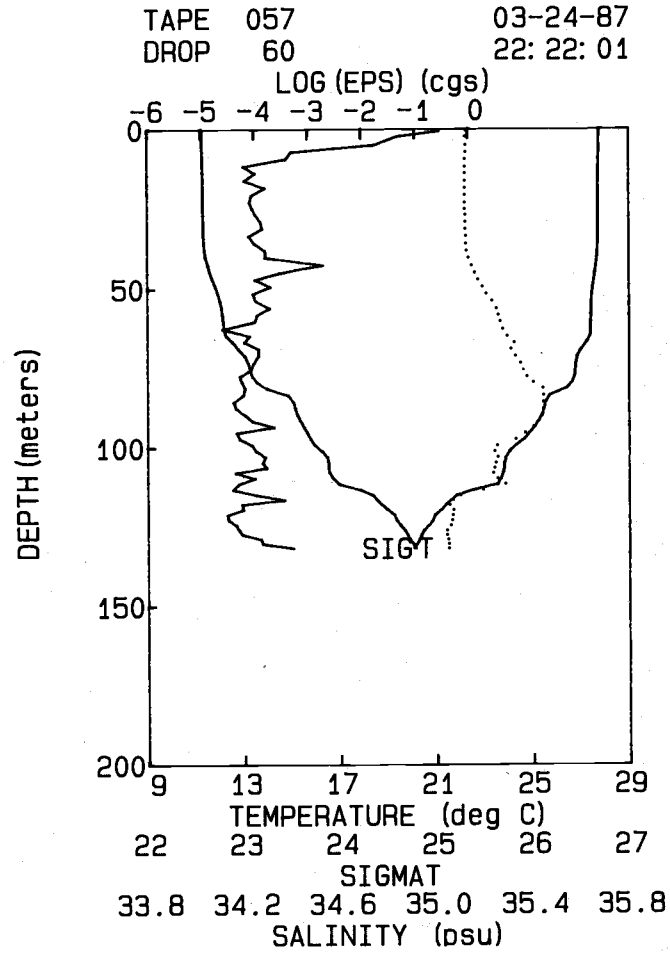
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIGT
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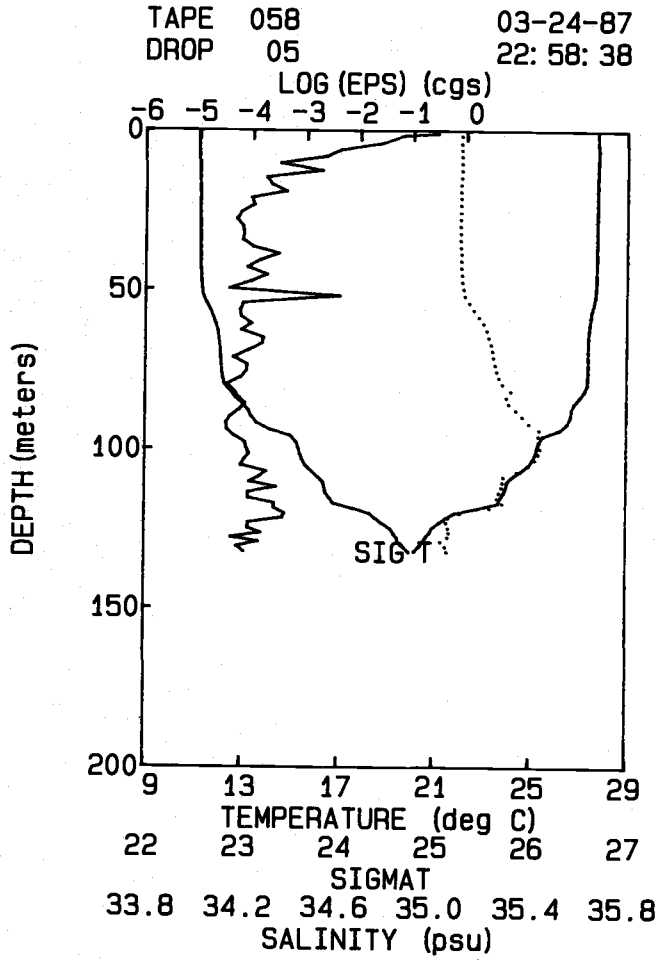
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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22: 58: 38
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG-T
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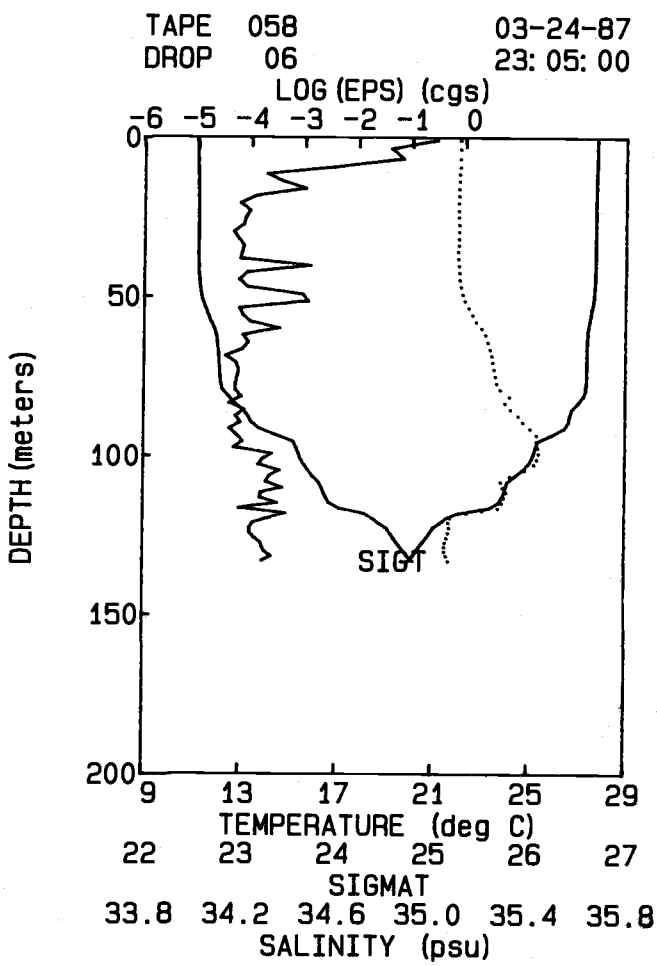
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
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150
200
SIGT
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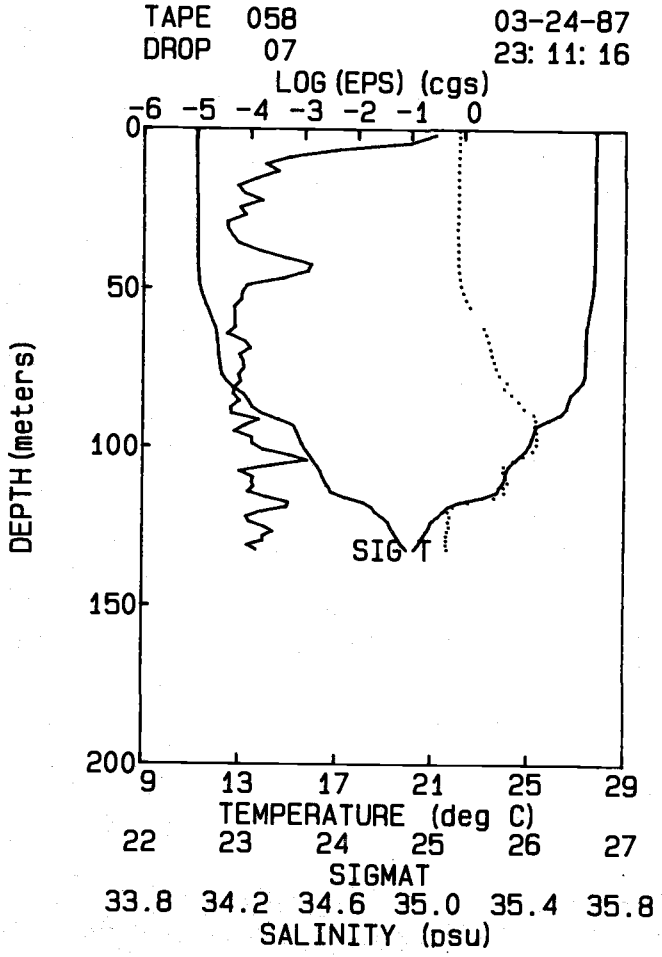
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
SIG-T
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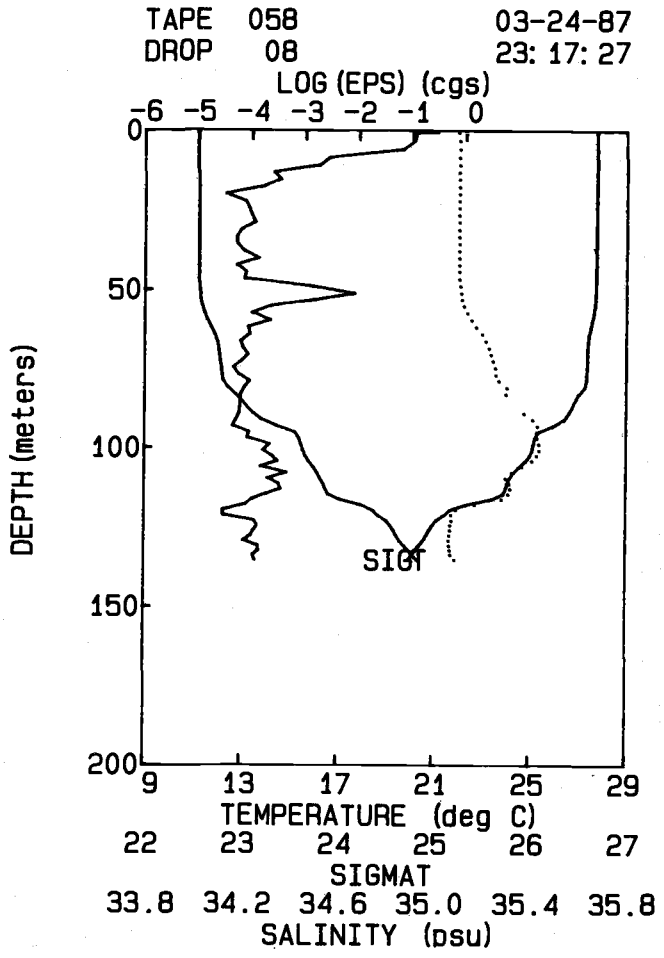
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIGT
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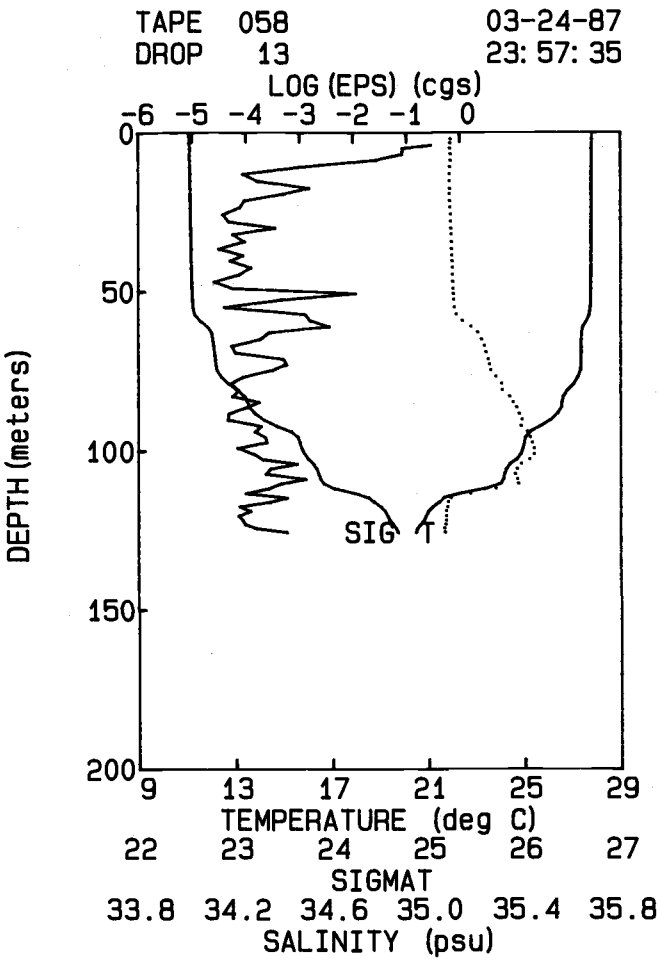
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 058
DROP 13
03-24-87
23: 57: 35
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG T
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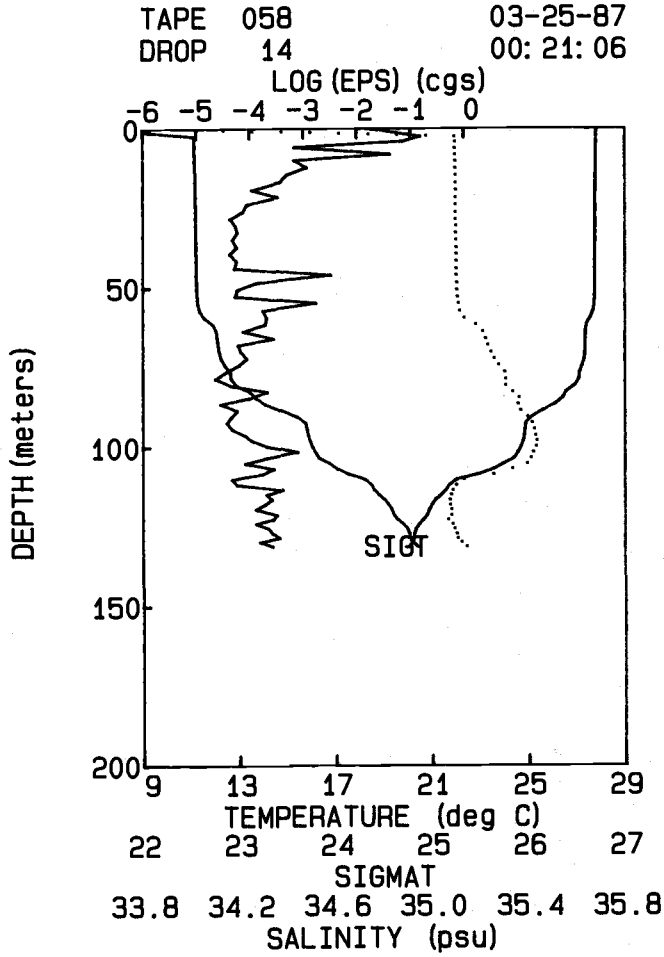
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
SIGT
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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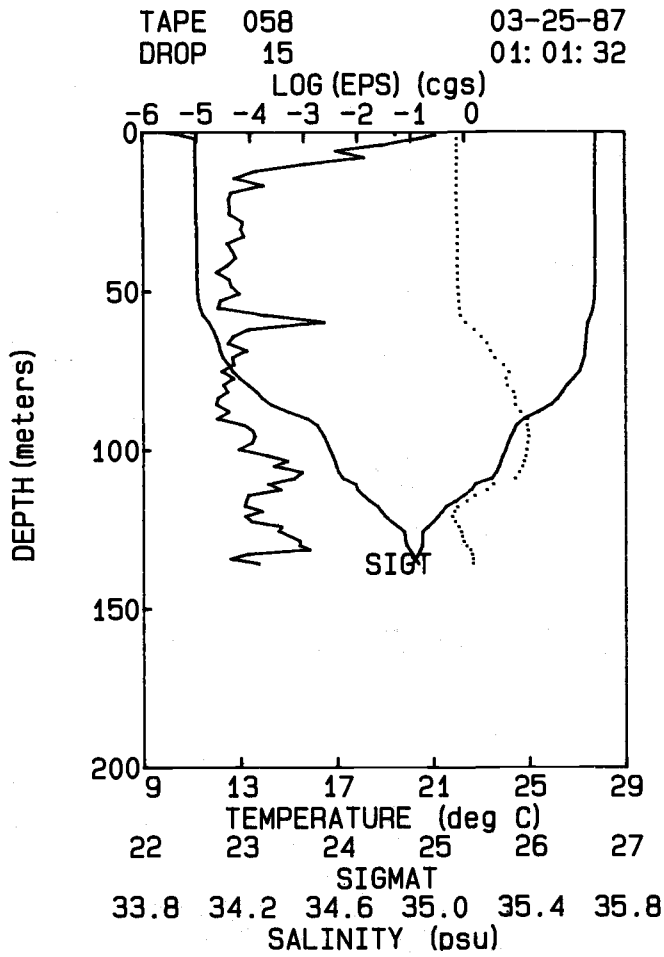
SALINITY (psu)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100
150
200
SIGT
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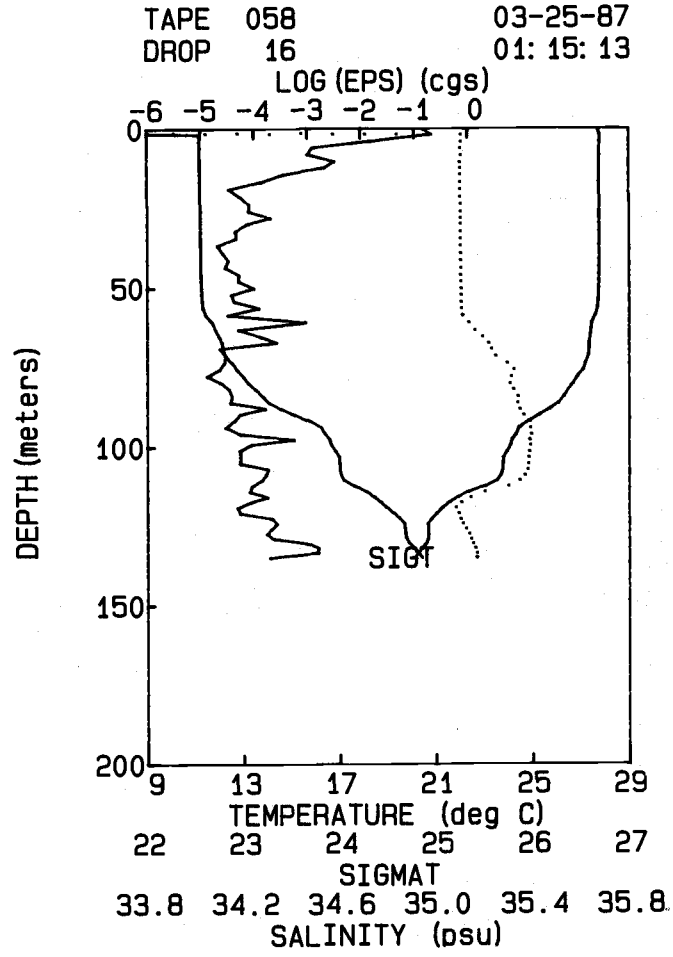
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
SIGT
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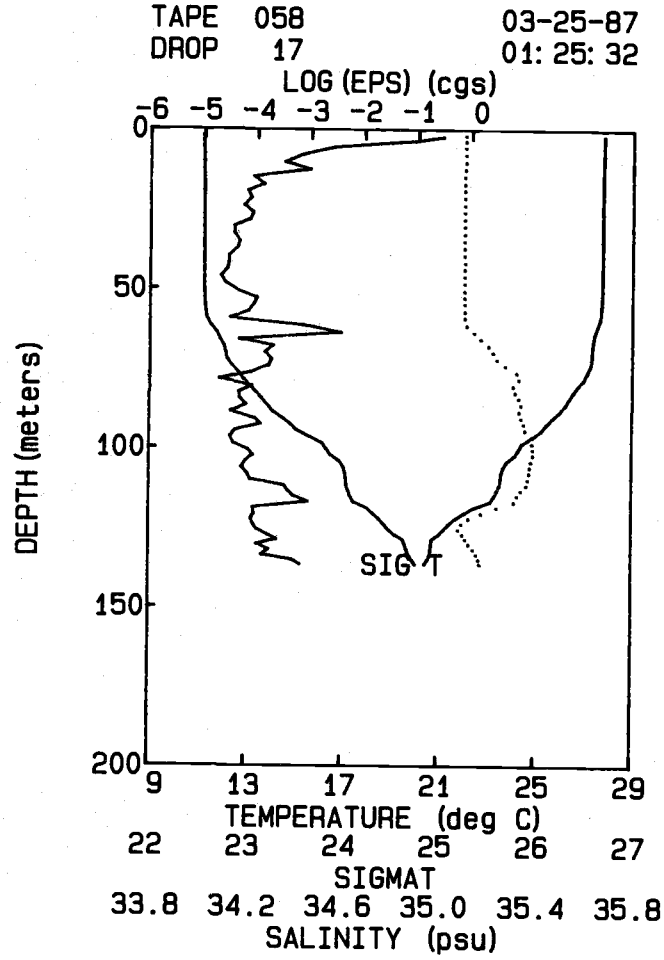
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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01: 25: 32
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DEPTH (meters)
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50
100
150
200
SIG-T
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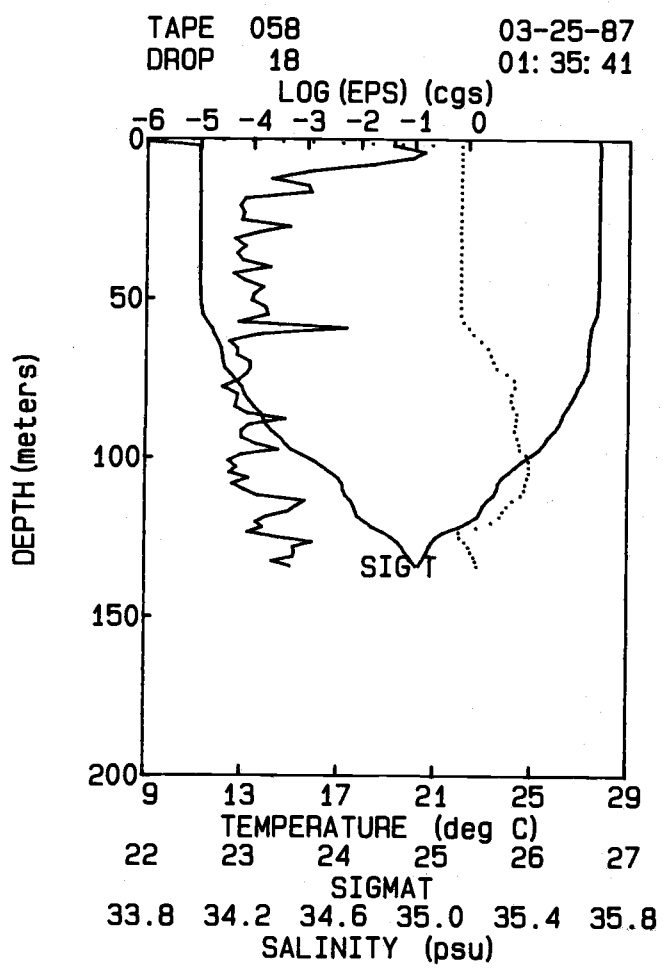
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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SIG-T
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22 23 24 25 26 27
SIGMAT
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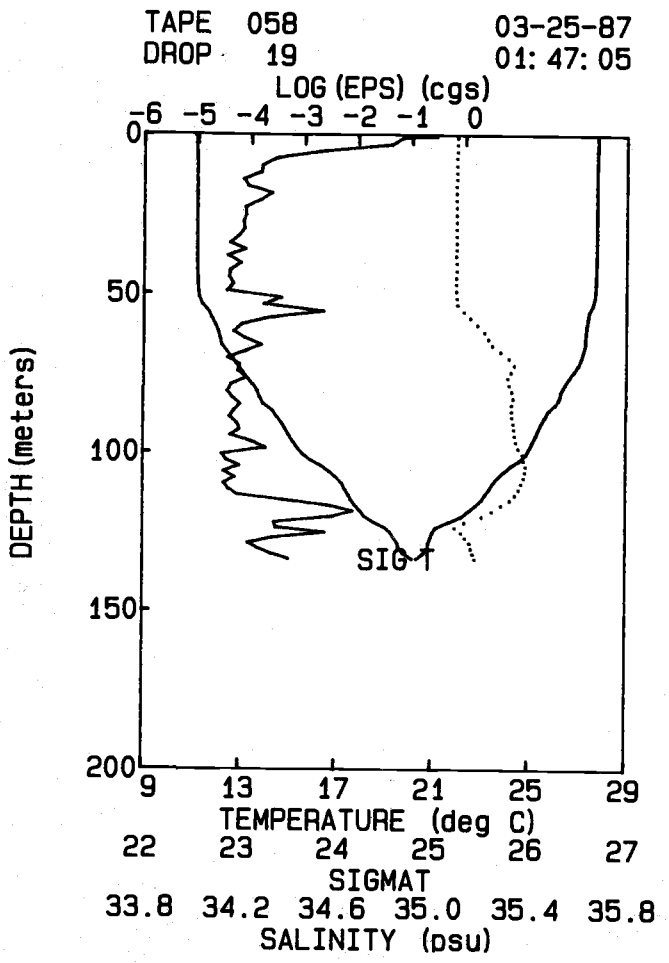
SALINITY (psu)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03-25-87
01: 47: 05
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DEPTH (meters)
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50
100
150
200
SIG-T
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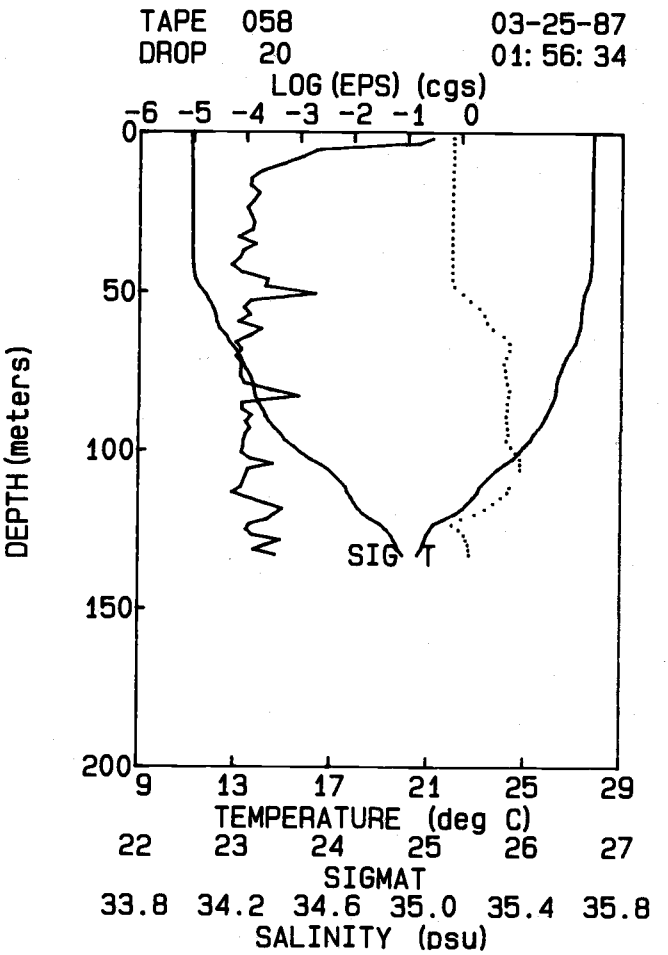
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG-T
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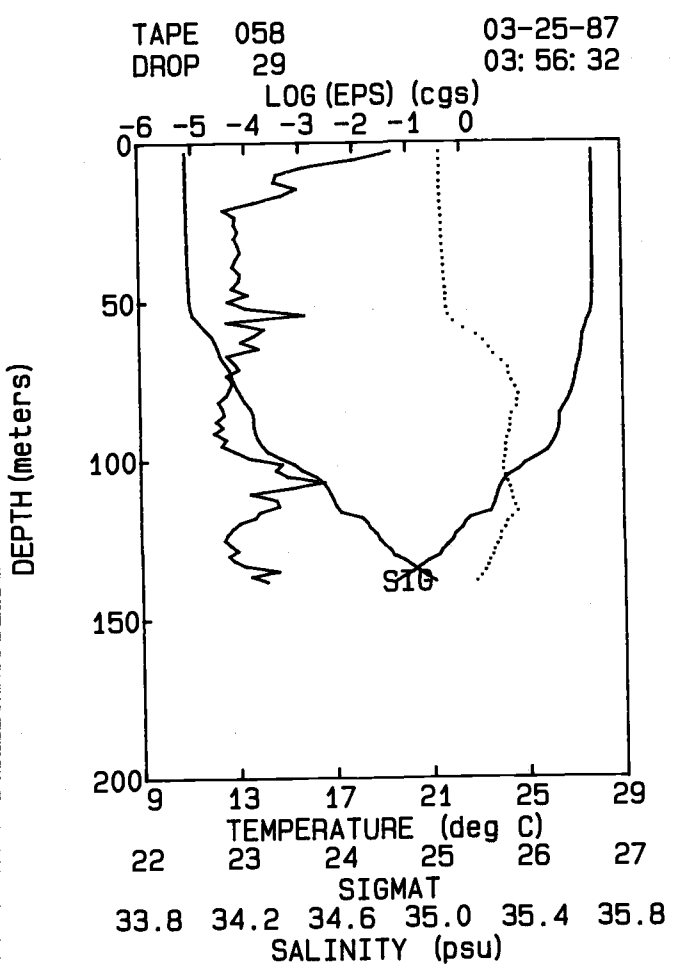
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03: 56: 32
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50
100
150
200
SIG
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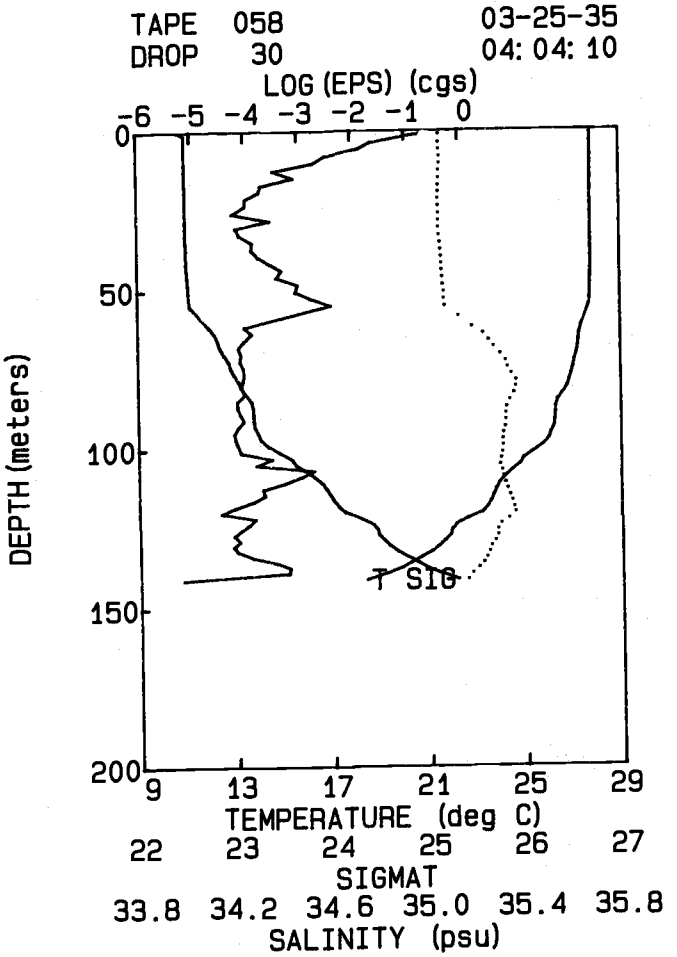
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
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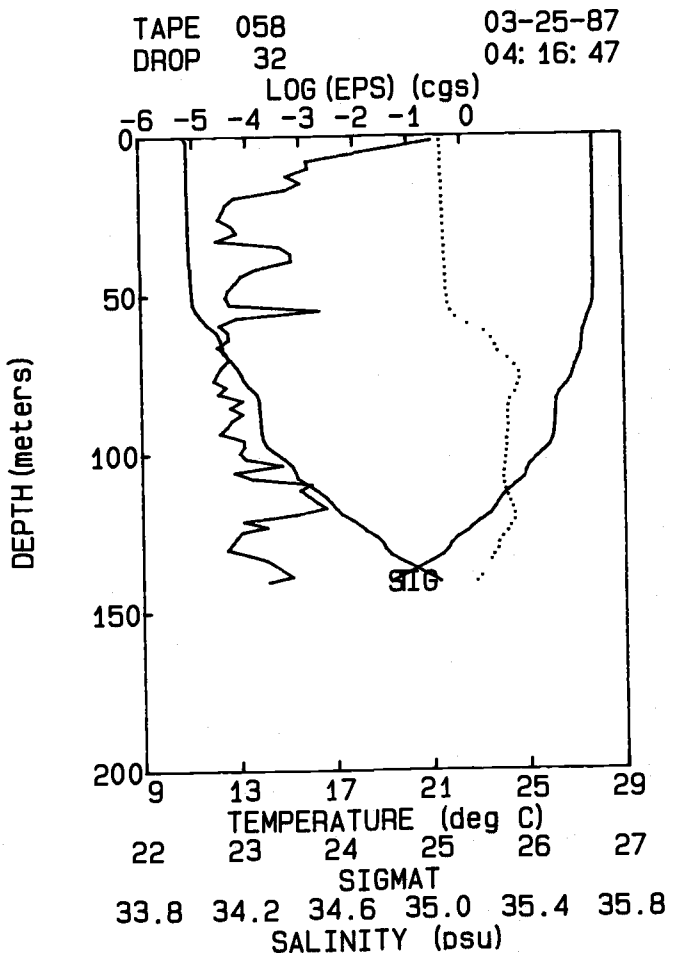
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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50
100
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200
SIG
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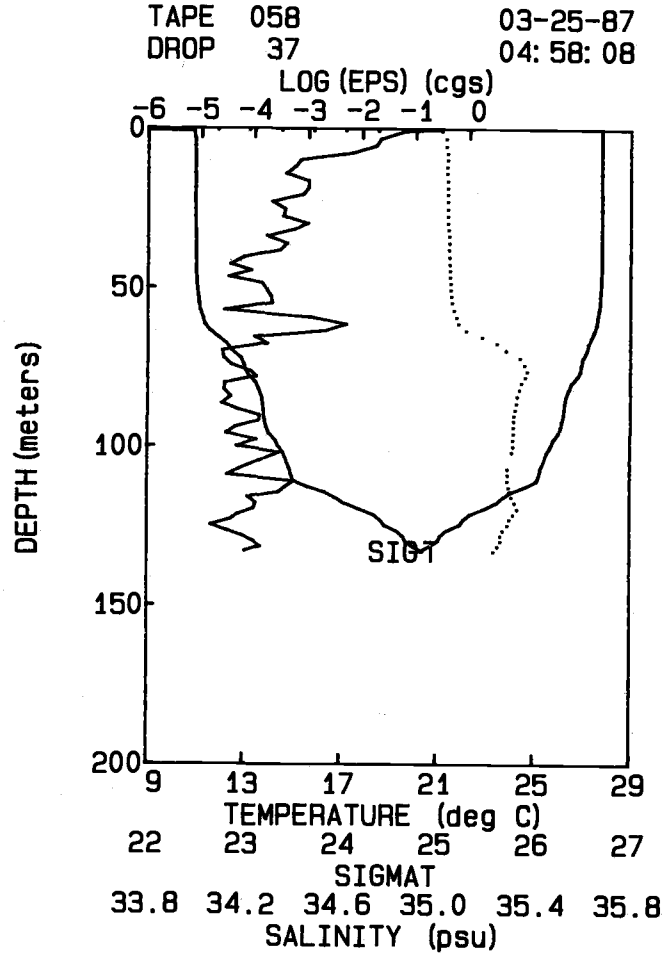
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-25-87
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100
150
200
SIGT
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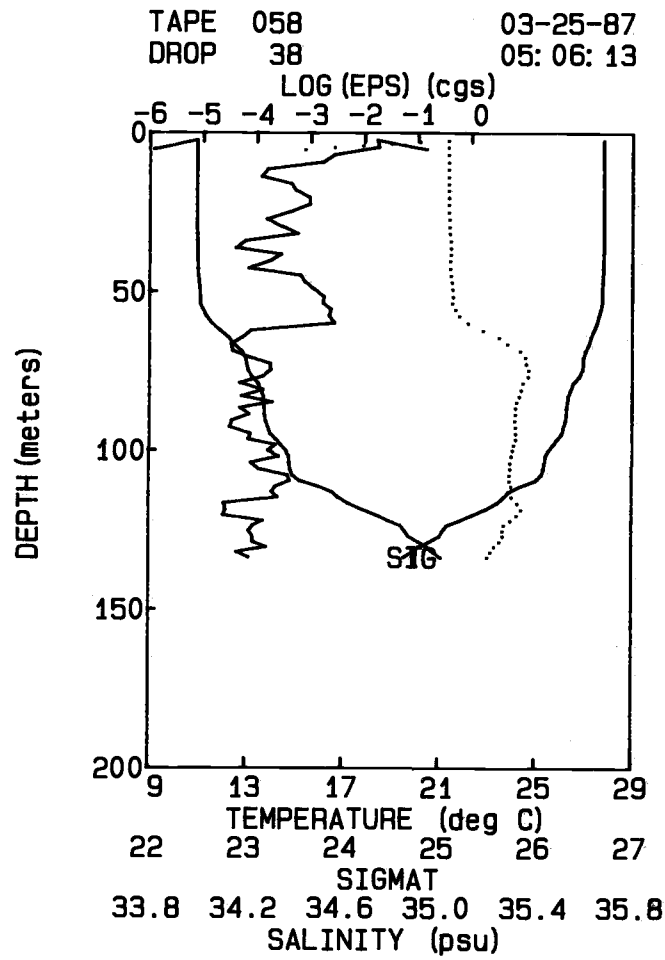
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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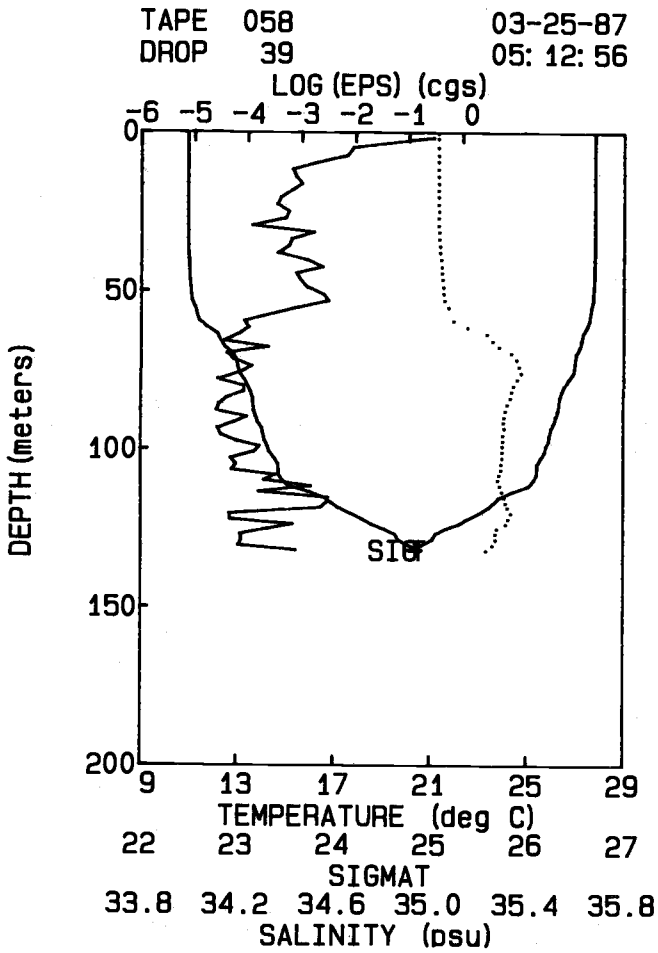
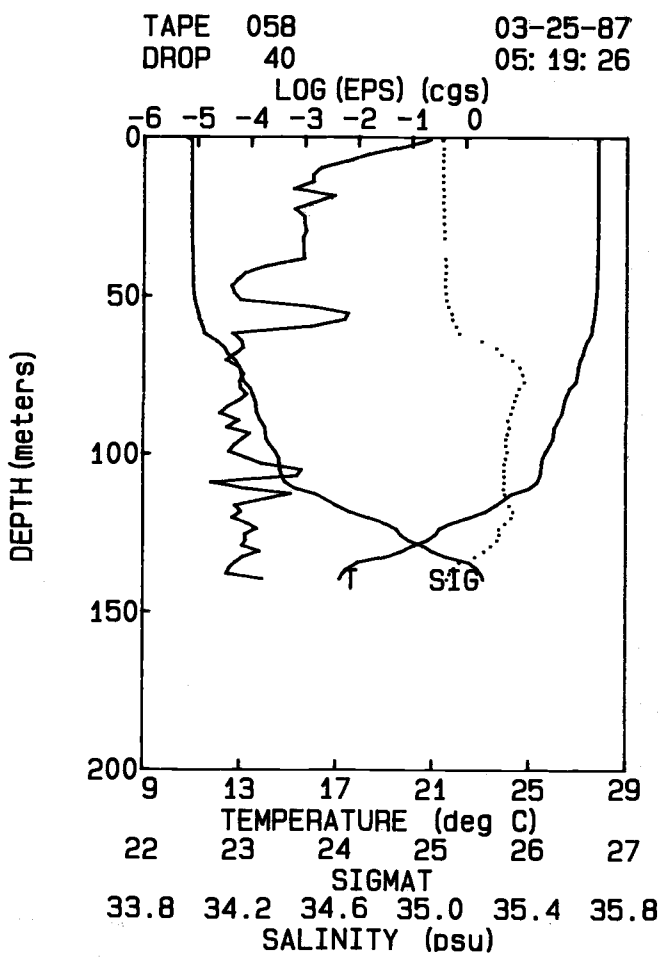
05: 06: 13
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIGT
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 058
DROP 39
03-25-87
05: 12: 56
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIGT
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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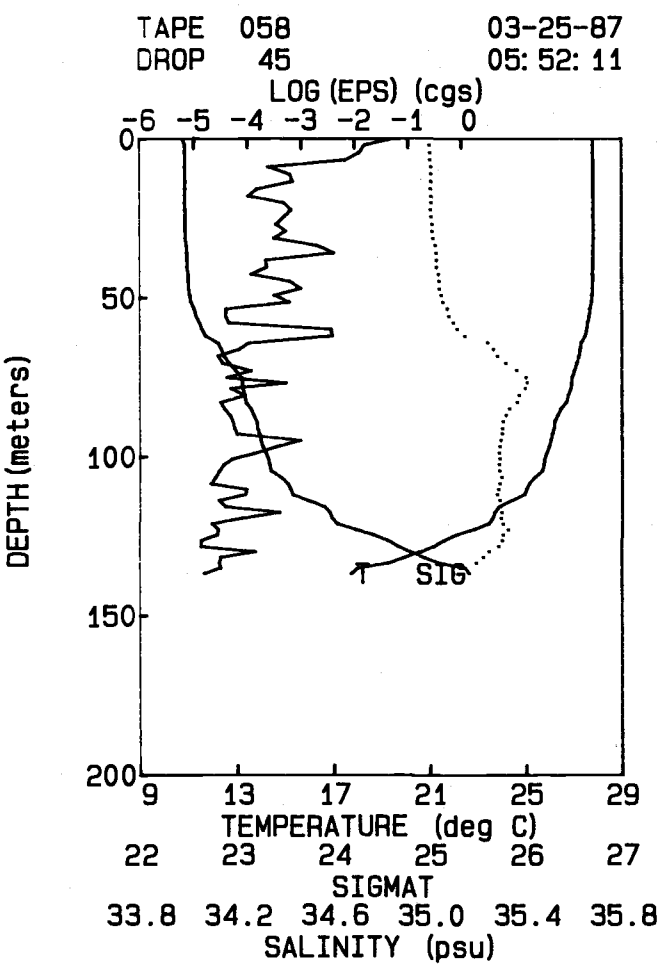
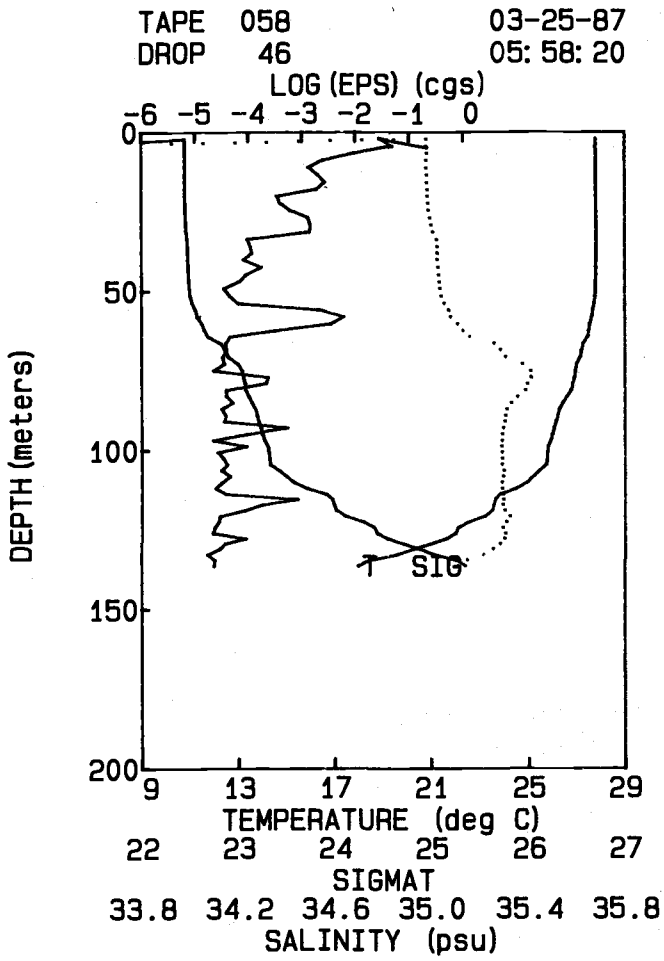
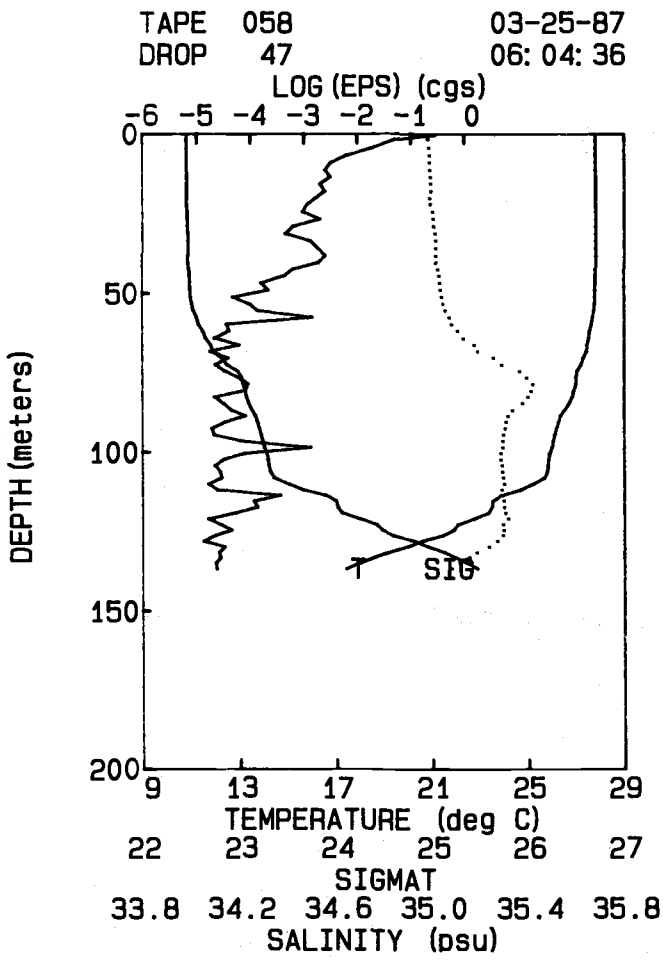
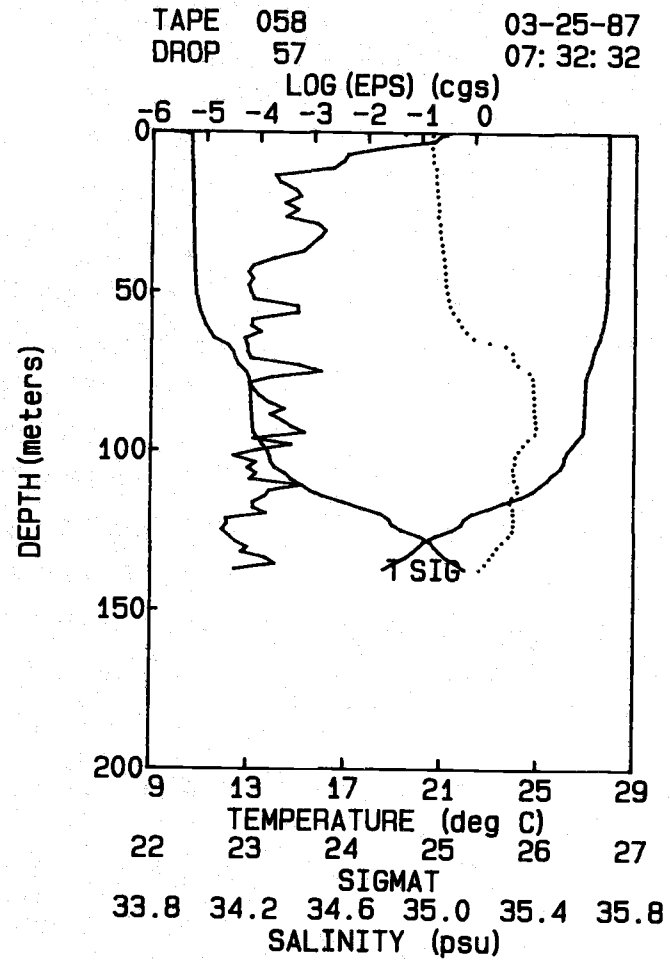
DROP 40
03-25-87
05: 19: 26
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIGT
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)




DEPTH (meters)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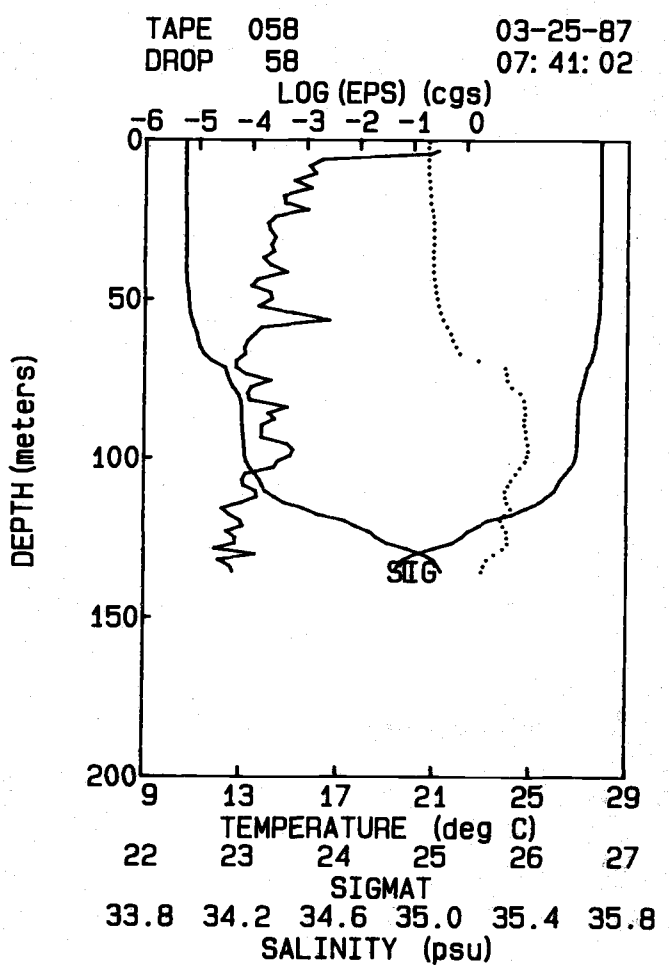
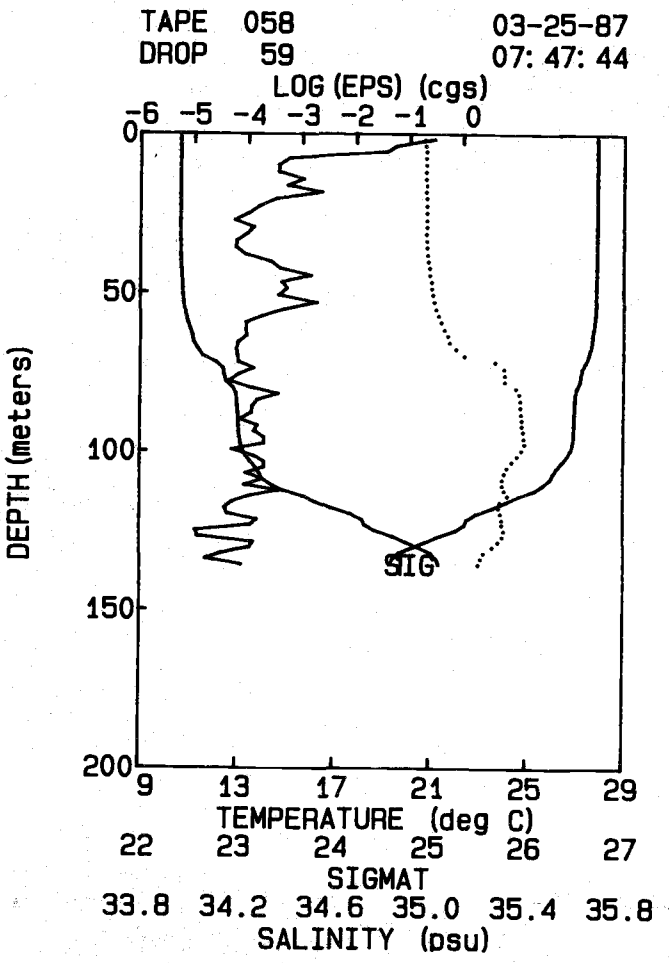
DROP 57
03-25-87
07: 32: 32
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 058
DROP 58
03-25-87
07: 41: 02
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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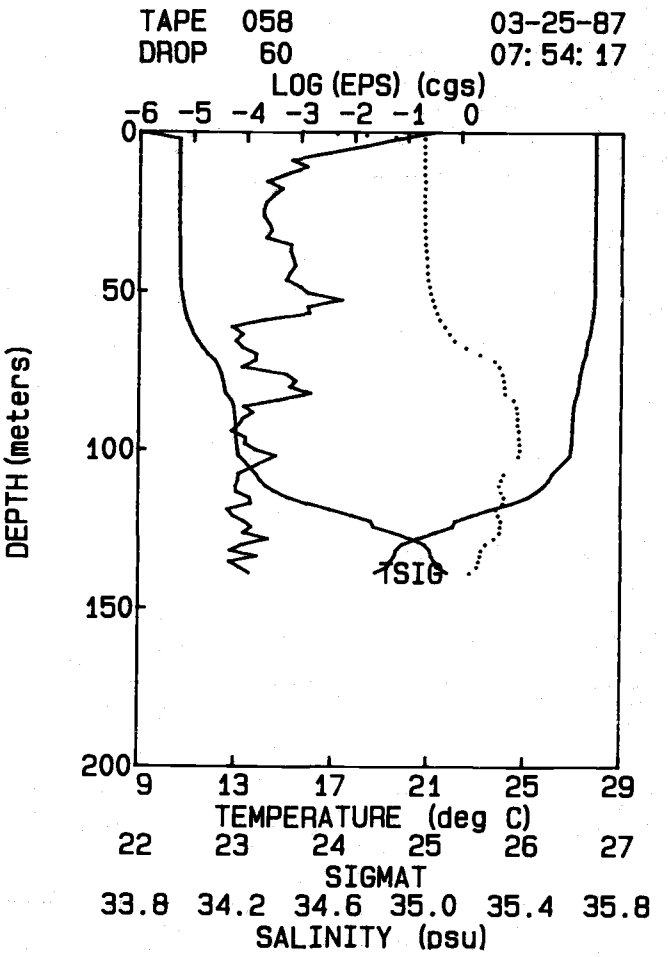
DROP 59
03-25-87
07: 47: 44
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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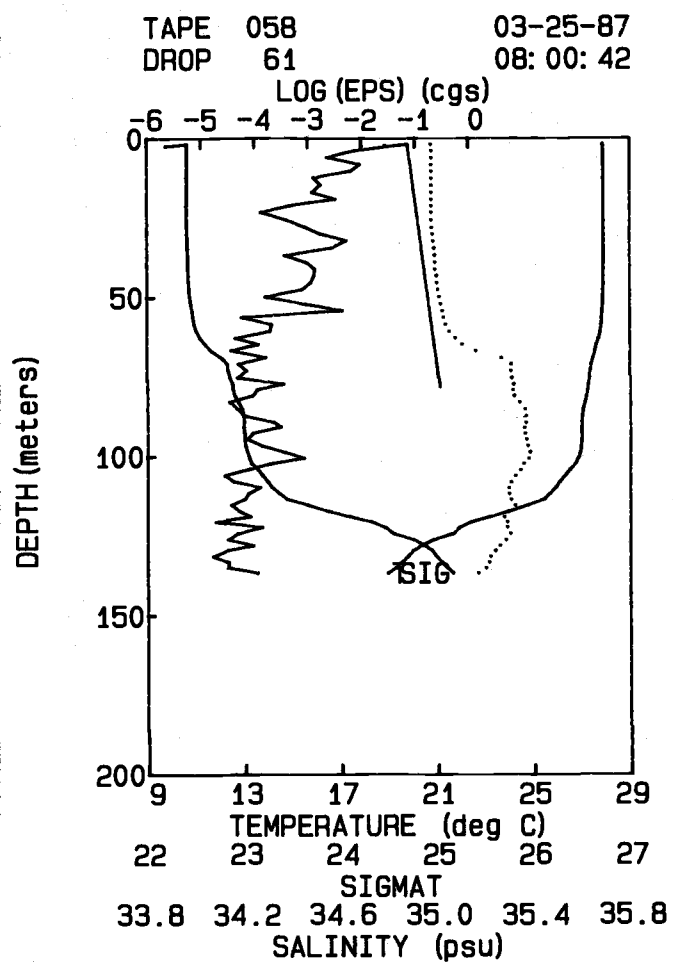
DROP 60
03-25-87
07: 54: 17
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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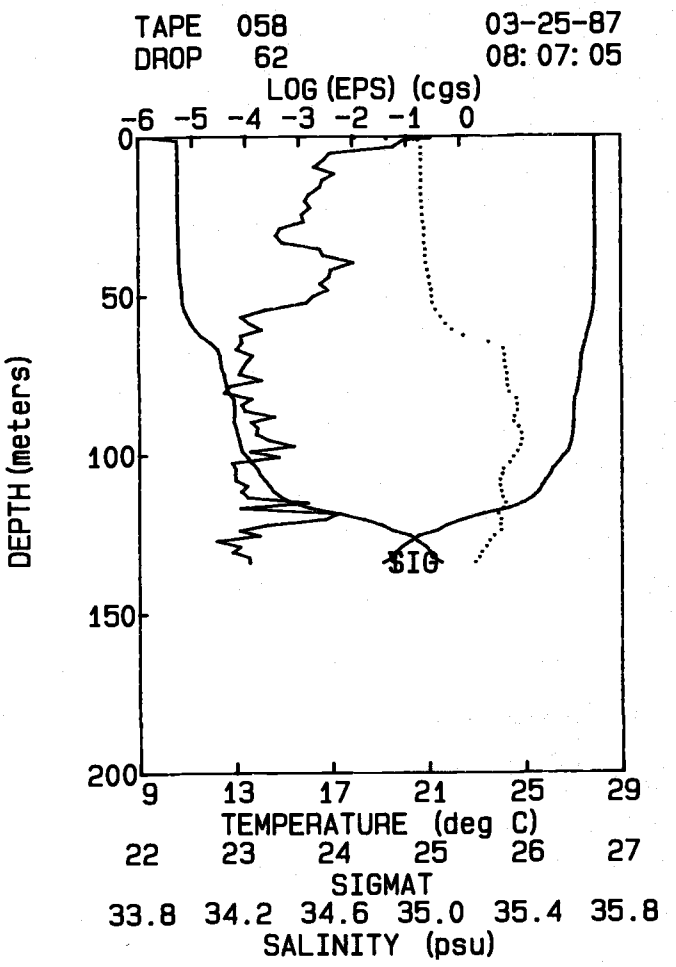
DROP 61
03-25-87
08: 00: 42
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 058
DROP 62
03-25-87
08: 07: 05
LOG (EPS) (cgs)
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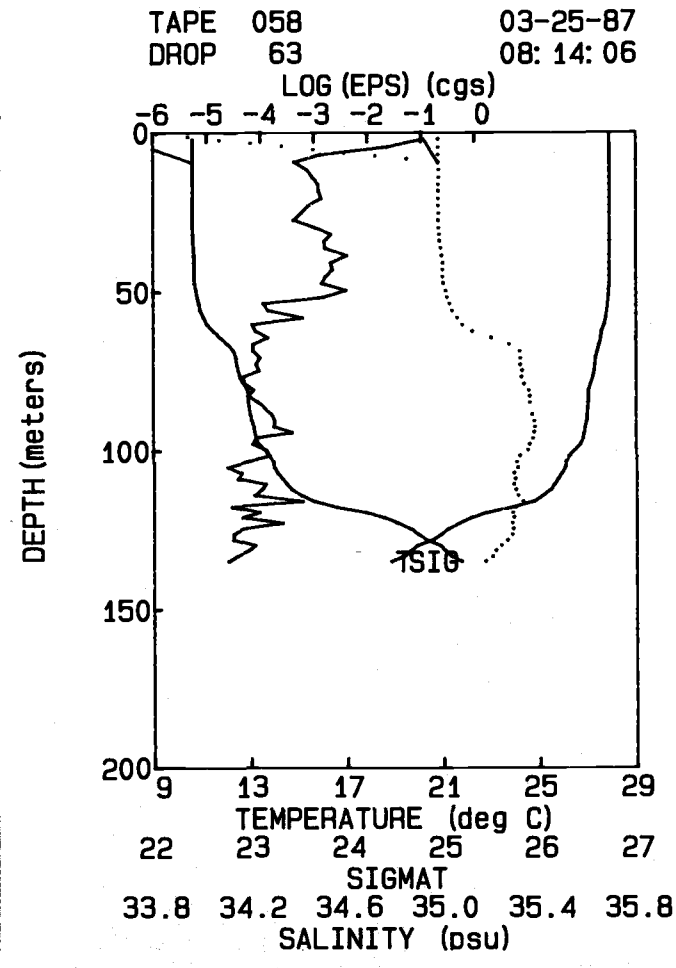
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 058
DROP 63
03-25-87
08: 14: 06
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
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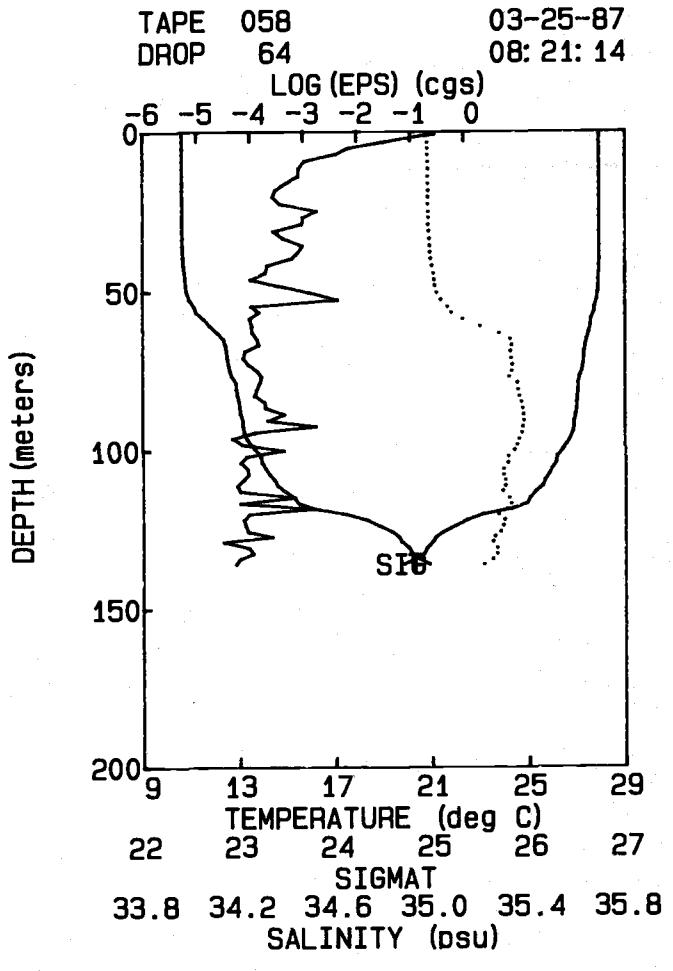
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 64
03-25-87
08: 21: 14
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
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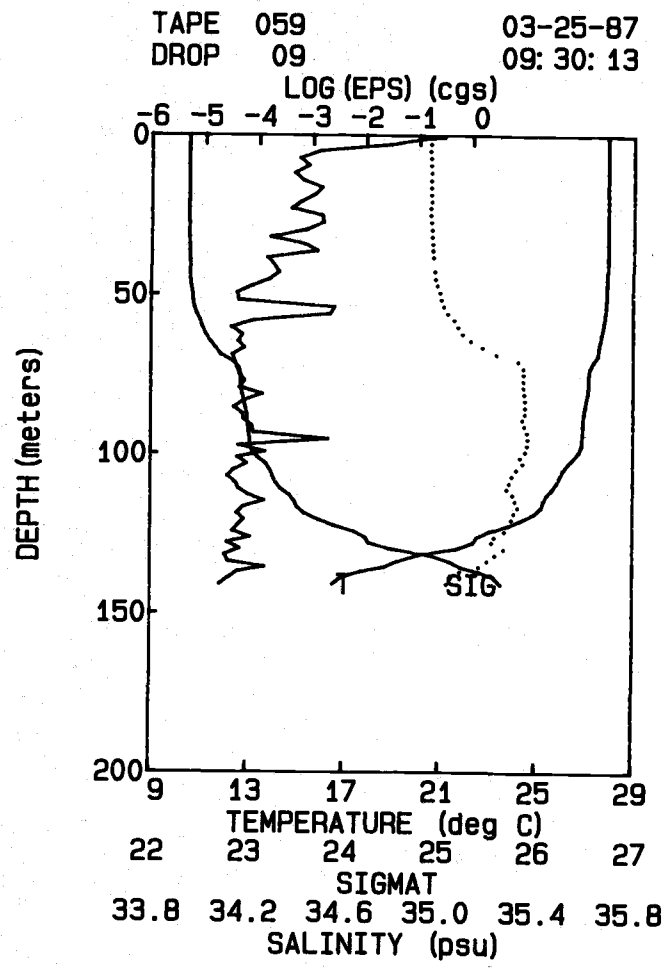
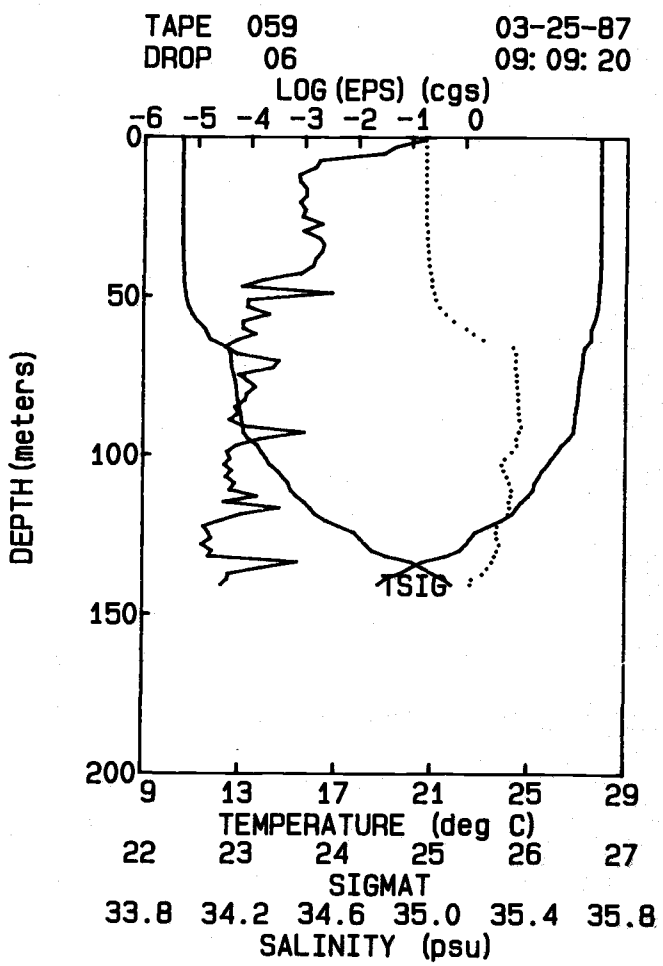
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 059
DROP 09
03-25-87
09: 30: 13
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
0
50
100
150
200
DEPTH (meters)
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-25-87
09: 09: 20
LOG (EPS) (cgs)
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0
50
100
150
200
DEPTH (meters)
SIG
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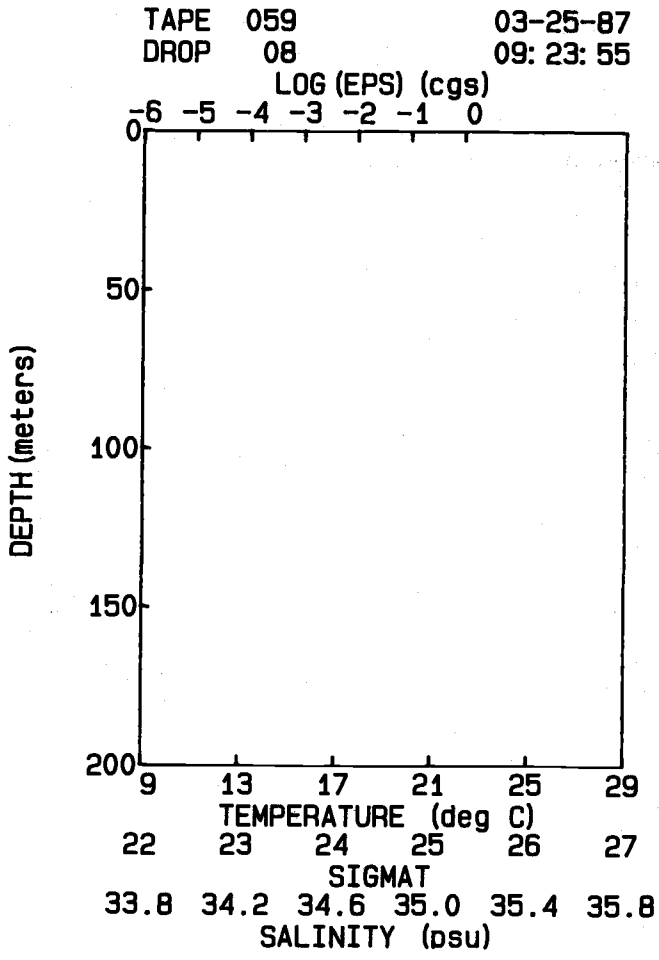
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 08
03-25-87
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LOG (EPS) (cgs)
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0
50
100
150
200
DEPTH (meters)
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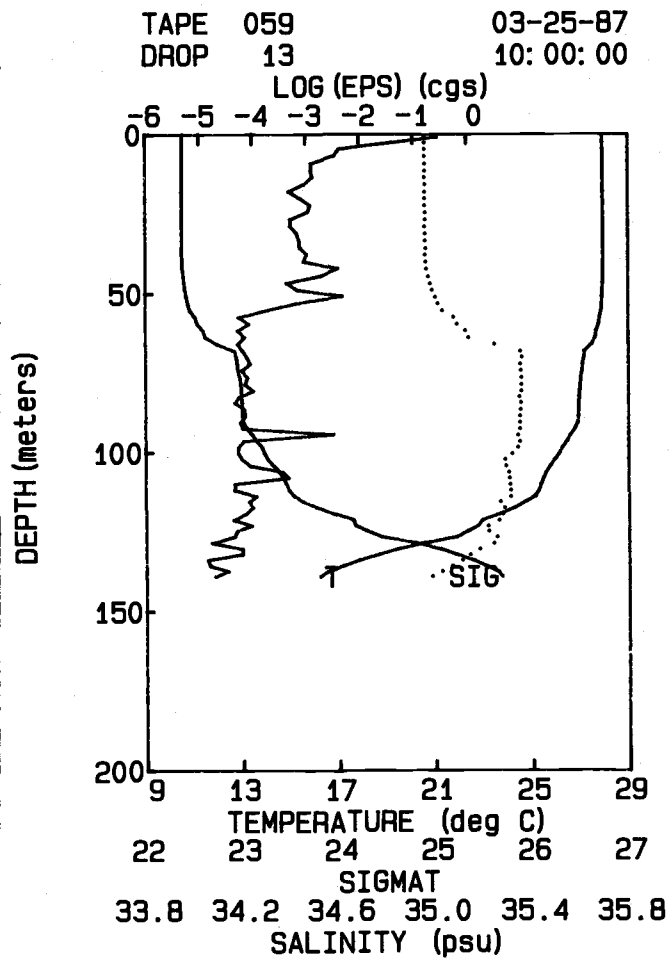
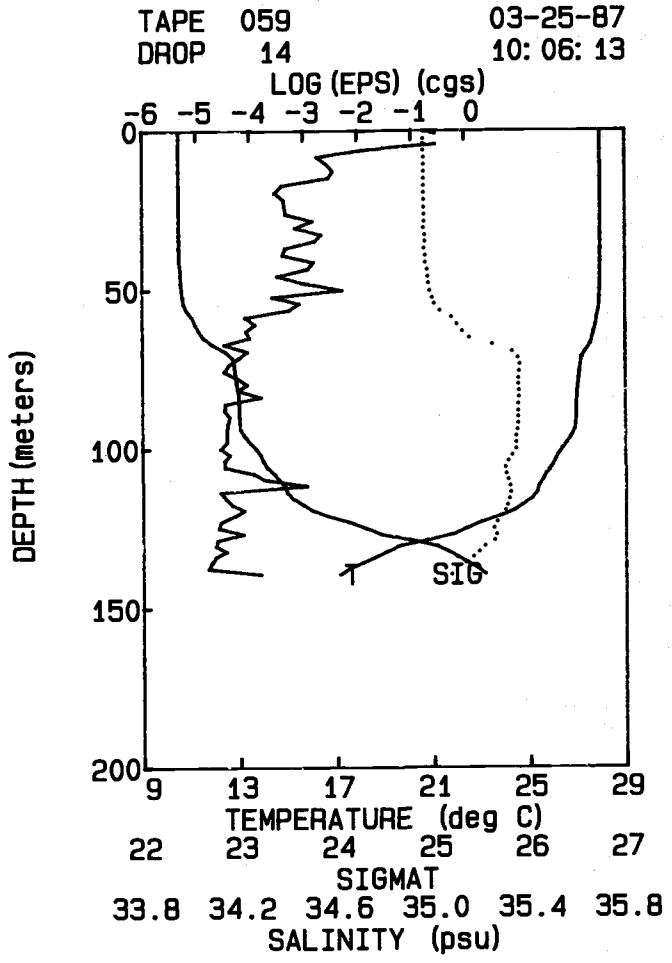
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 059
DROP 13
03-25-87
10: 00: 00
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 059
DROP 14
03-25-87
10: 06: 13
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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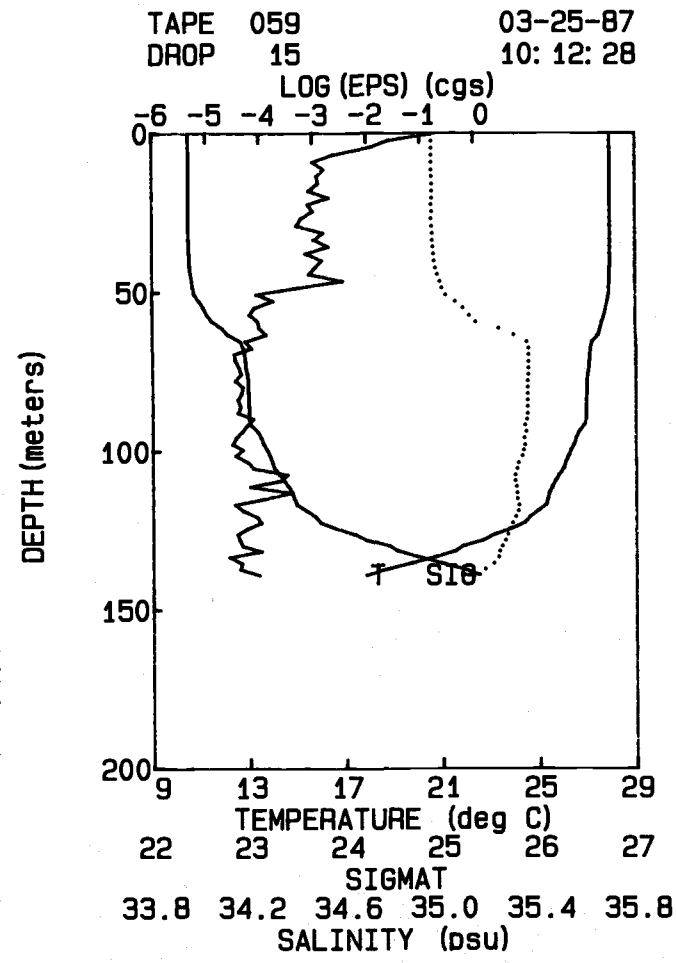
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 059
DROP 15
03-25-87
10: 12: 28
LOG (EPS) (cgs)
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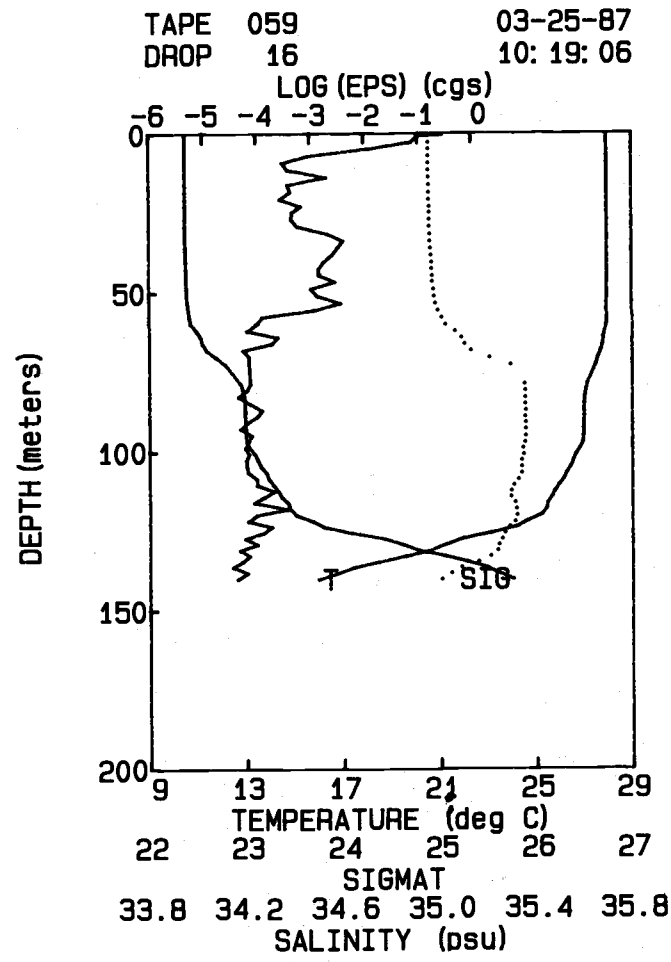
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 059
DROP 16
03-25-87
10: 19: 06
LOG (EPS) (cgs)
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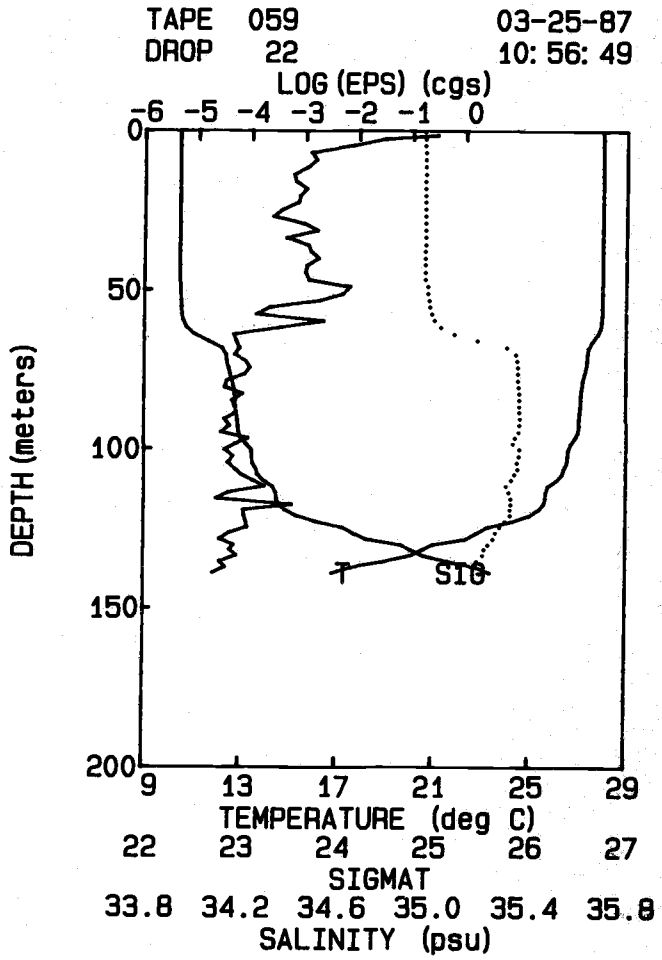
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-25-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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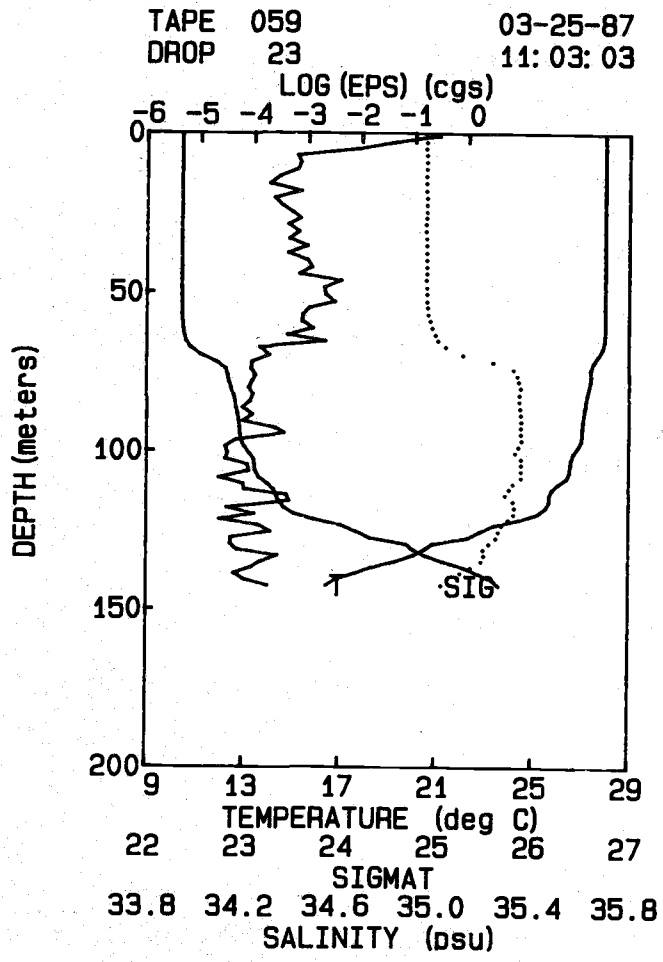
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 23
03-25-87
11: 03: 03
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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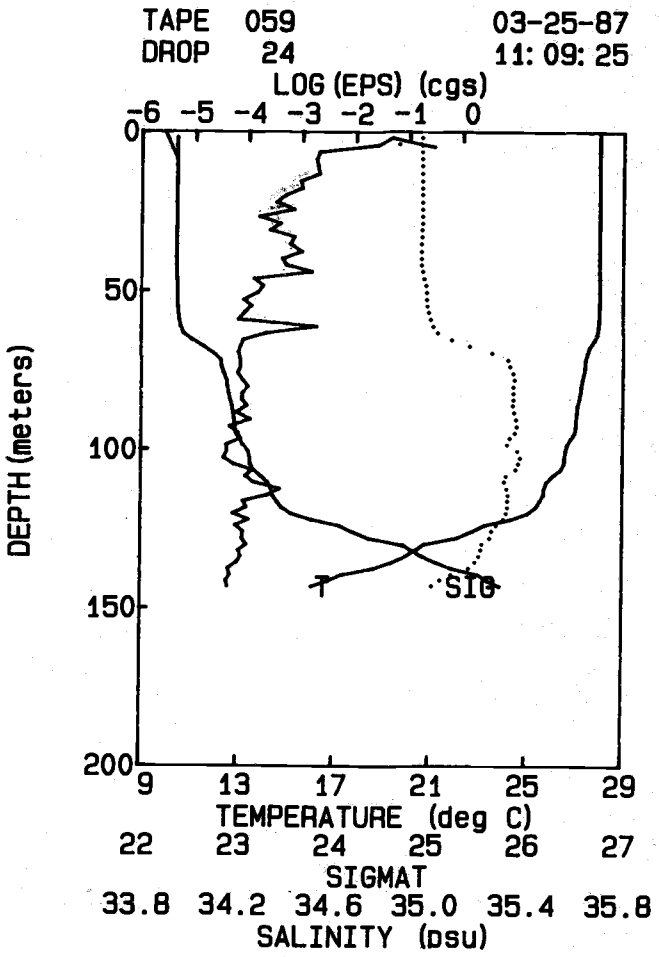
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 059
DROP 24
03-25-87
11: 09: 25
LOG (EPS) (cgs)
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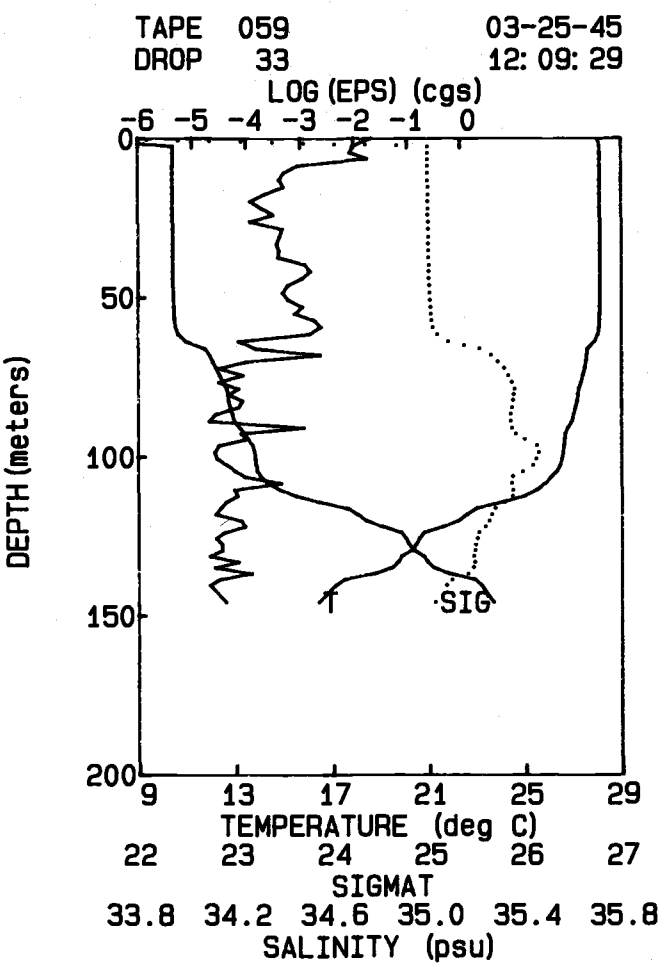
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-25-45
12: 09: 29
LOG (EPS) (cgs)
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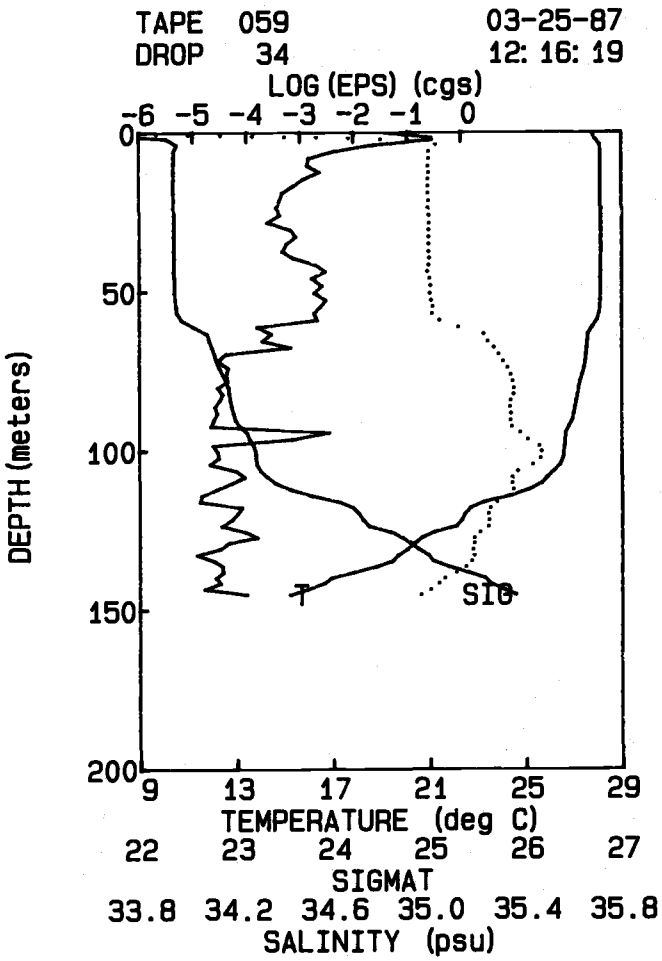
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-25-87
12: 16: 19
LOG (EPS) (cgs)
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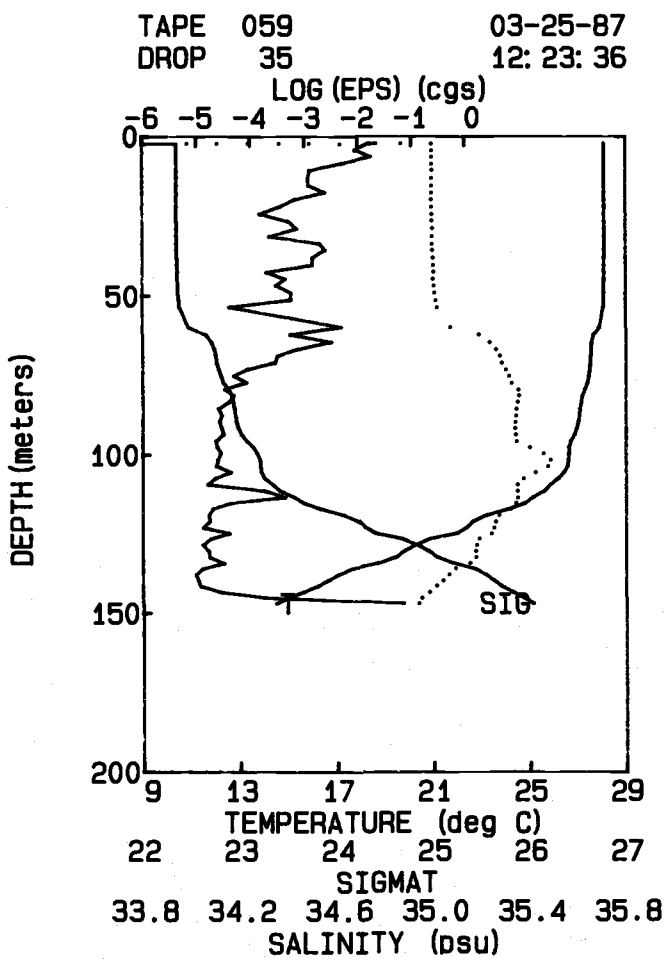
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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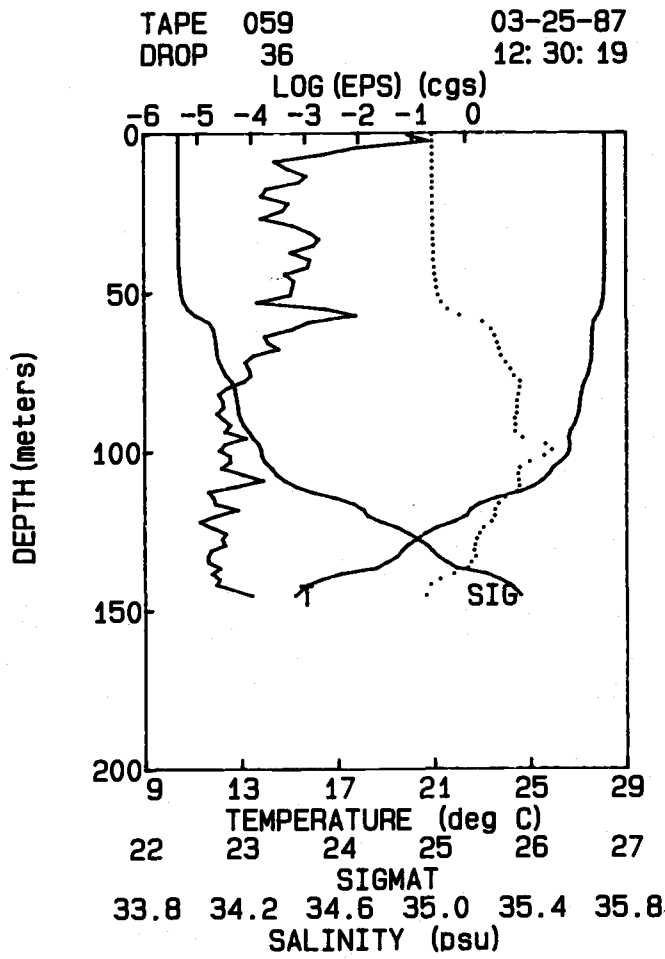
03-25-87
12: 23: 36
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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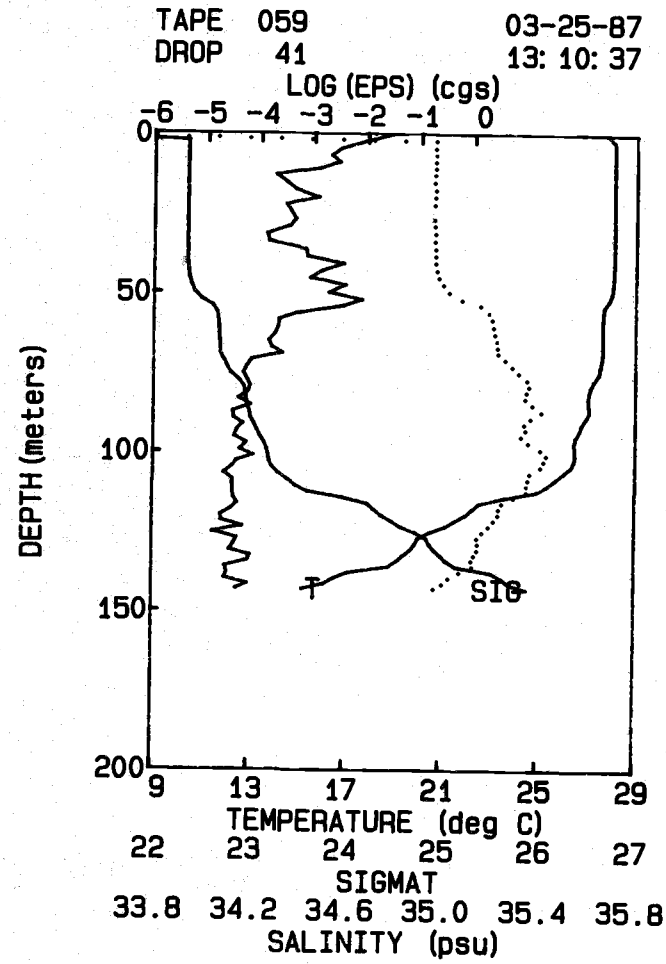
DROP 36
03-25-87
12: 30: 19
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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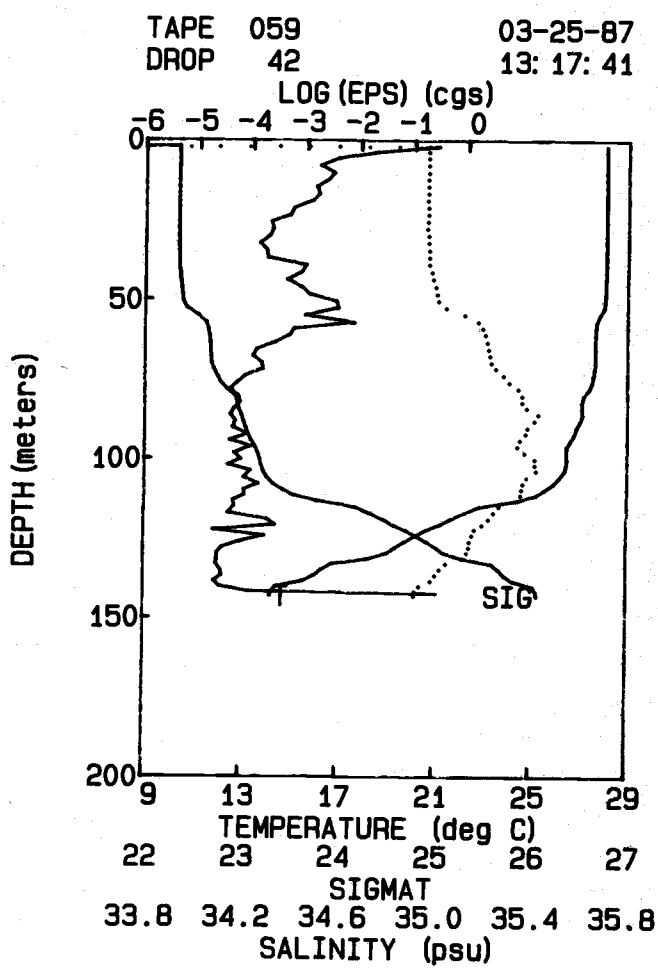
03-25-87
13: 10: 37
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-25-87
13: 17: 41
LOG (EPS) (cgs)
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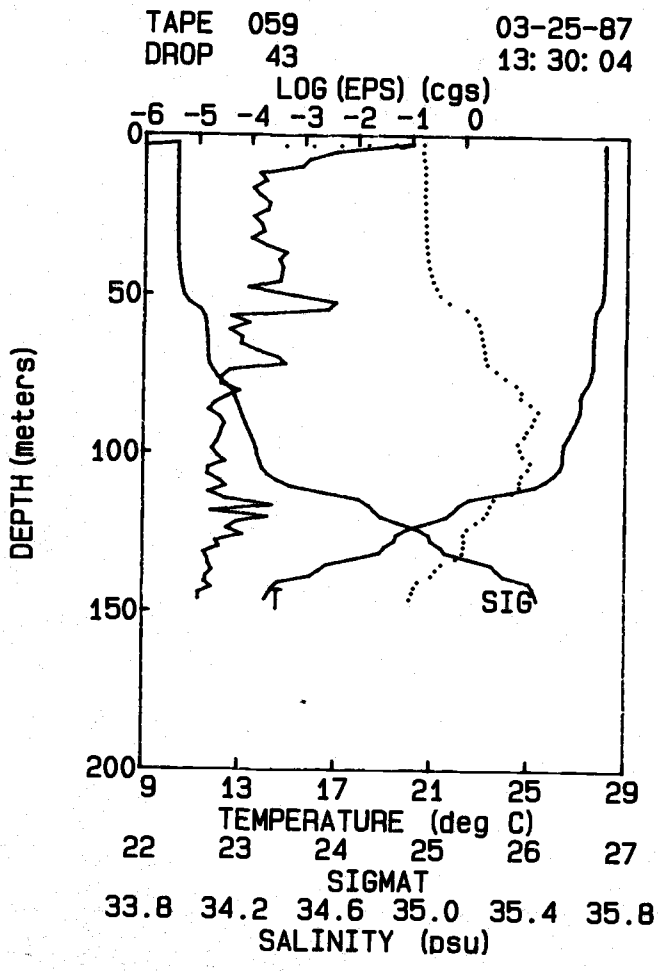
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-25-87
13: 30: 04
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DEPTH (meters)
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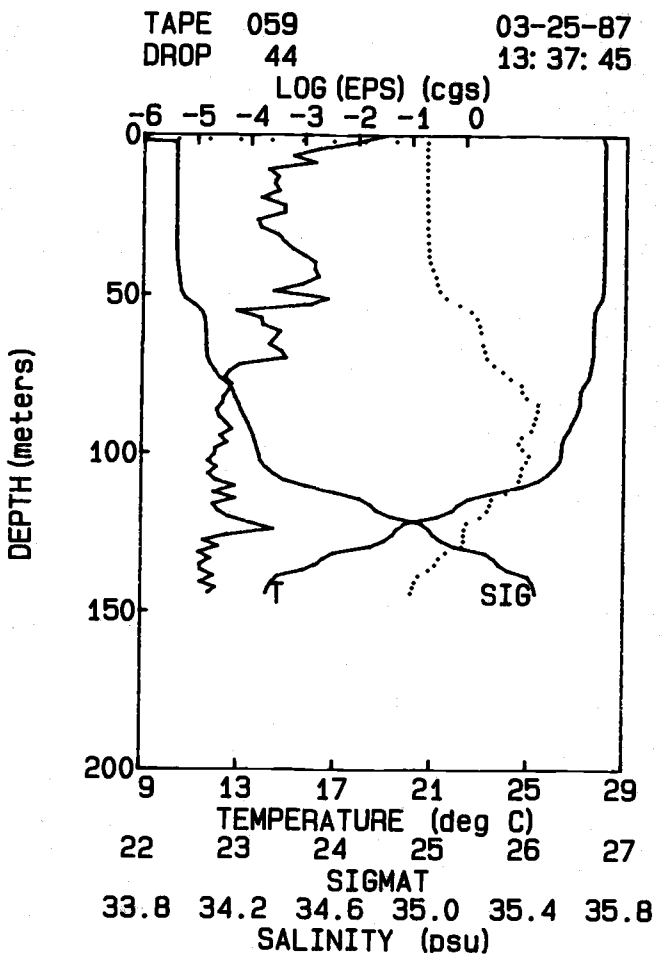
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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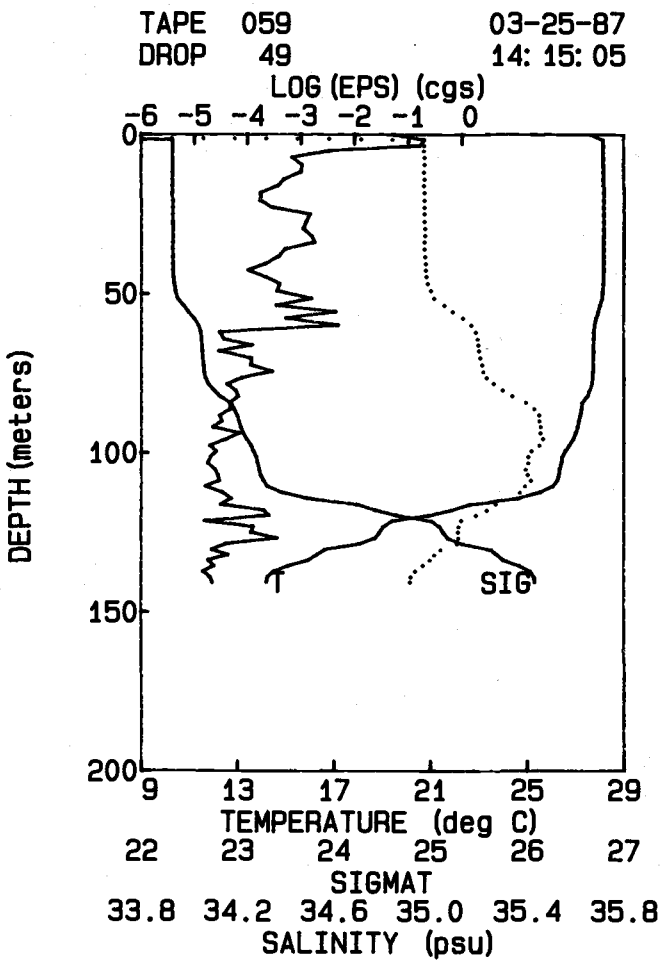
DROP 44
03-25-87
13: 37: 45
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-25-87
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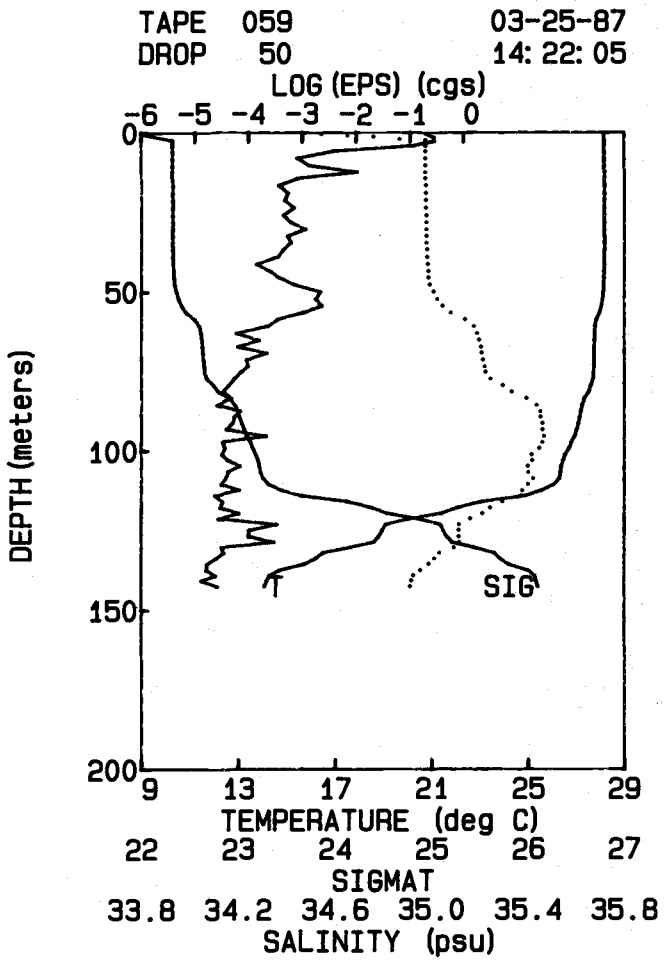
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-25-87
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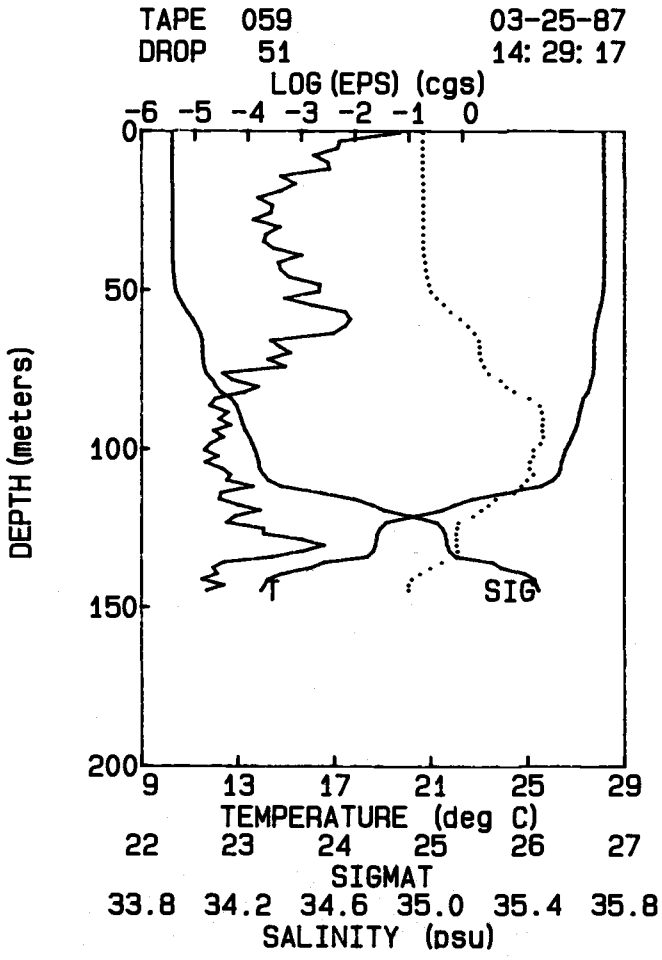
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-25-87
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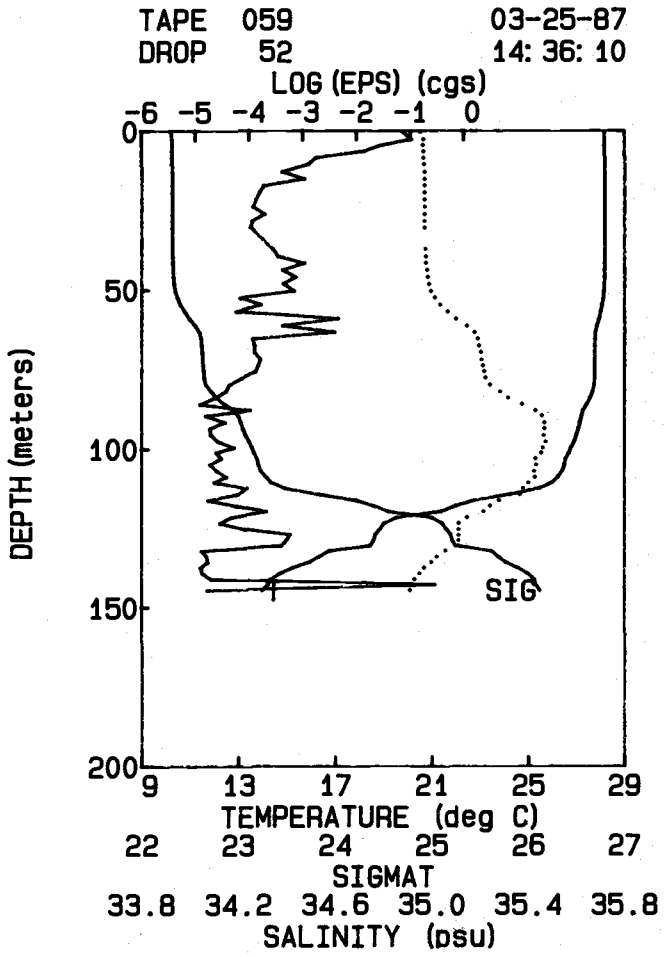
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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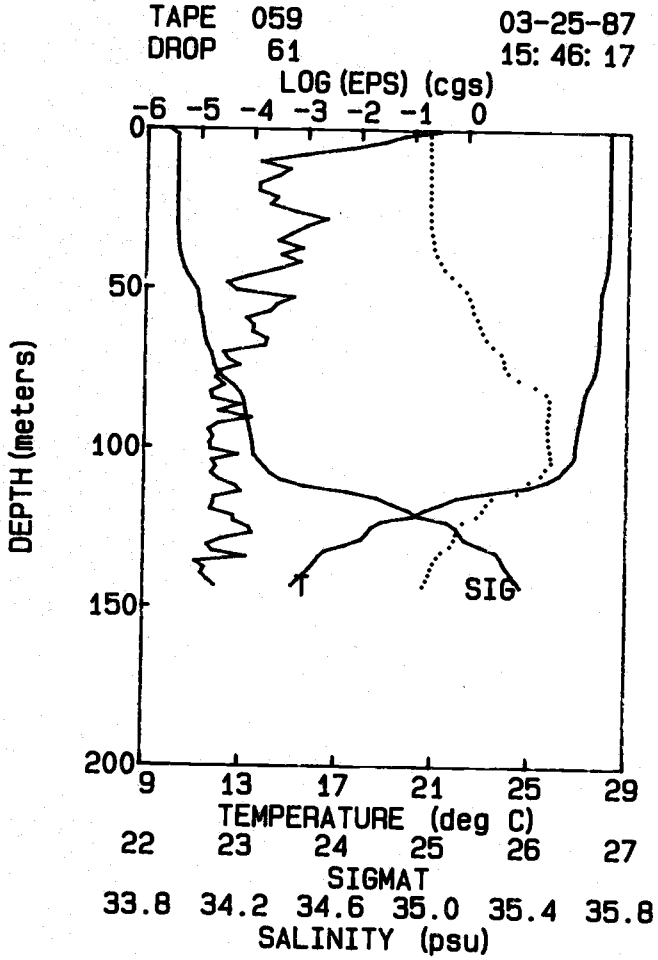
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-25-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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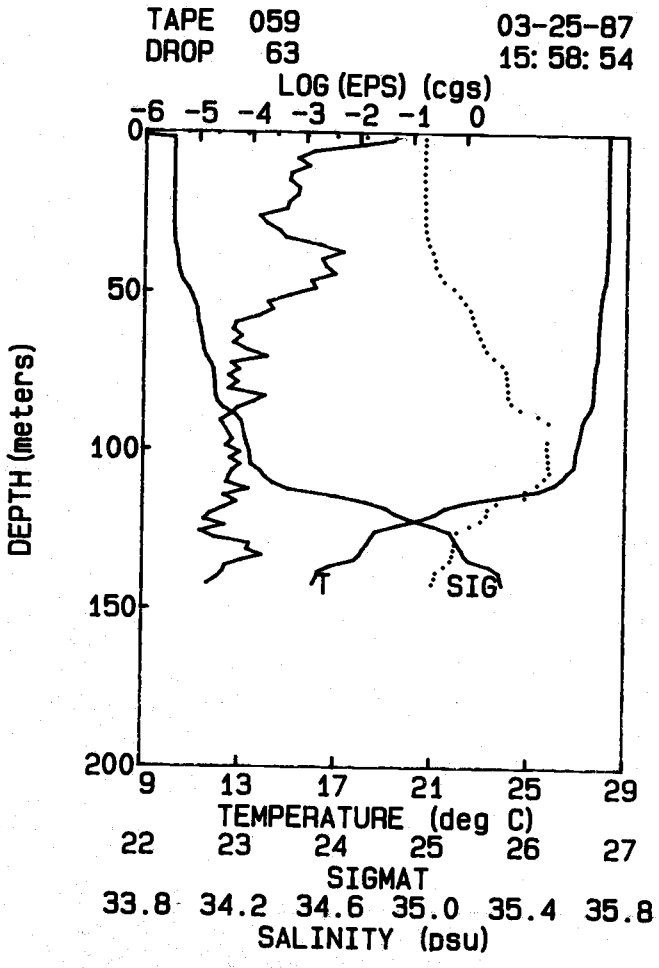
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-25-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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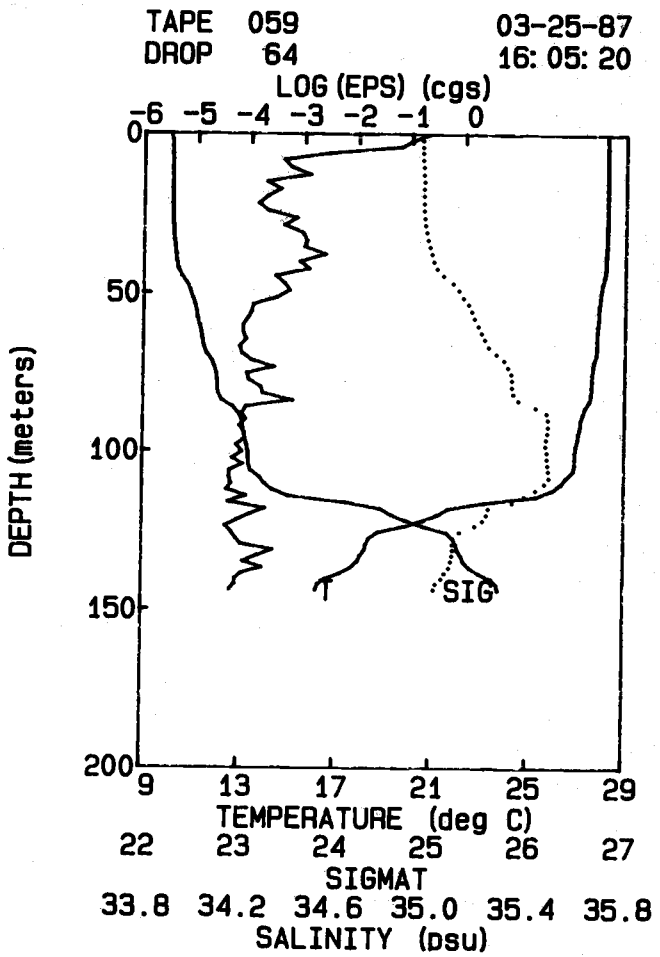
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
SIG
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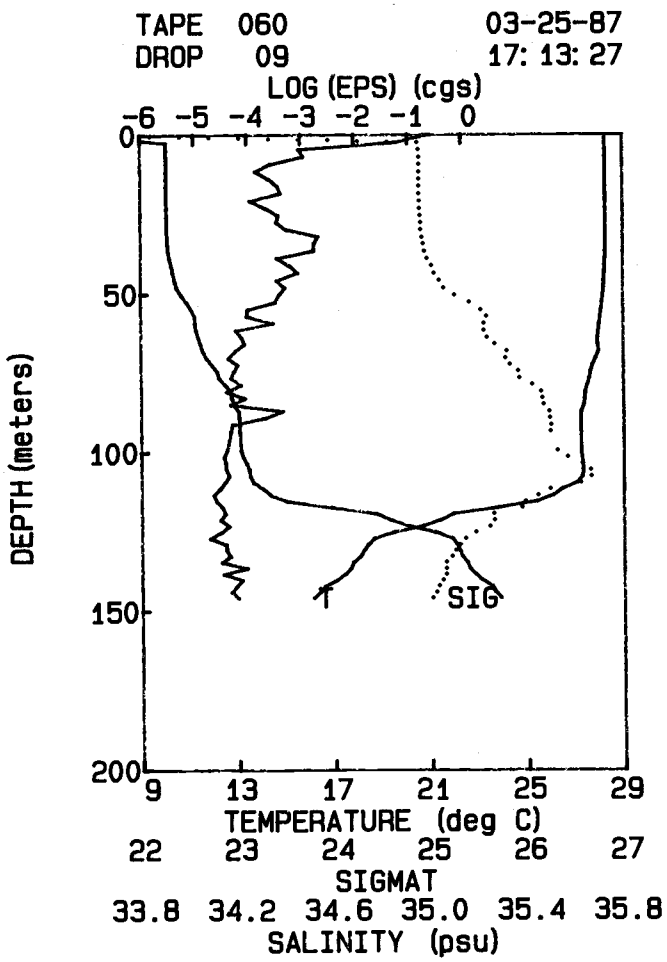
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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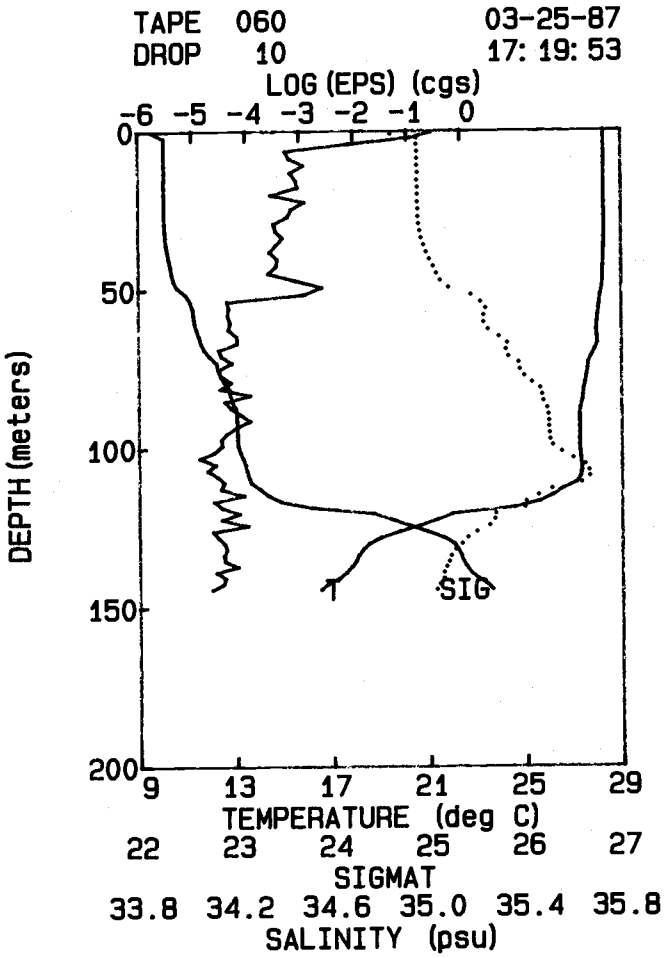
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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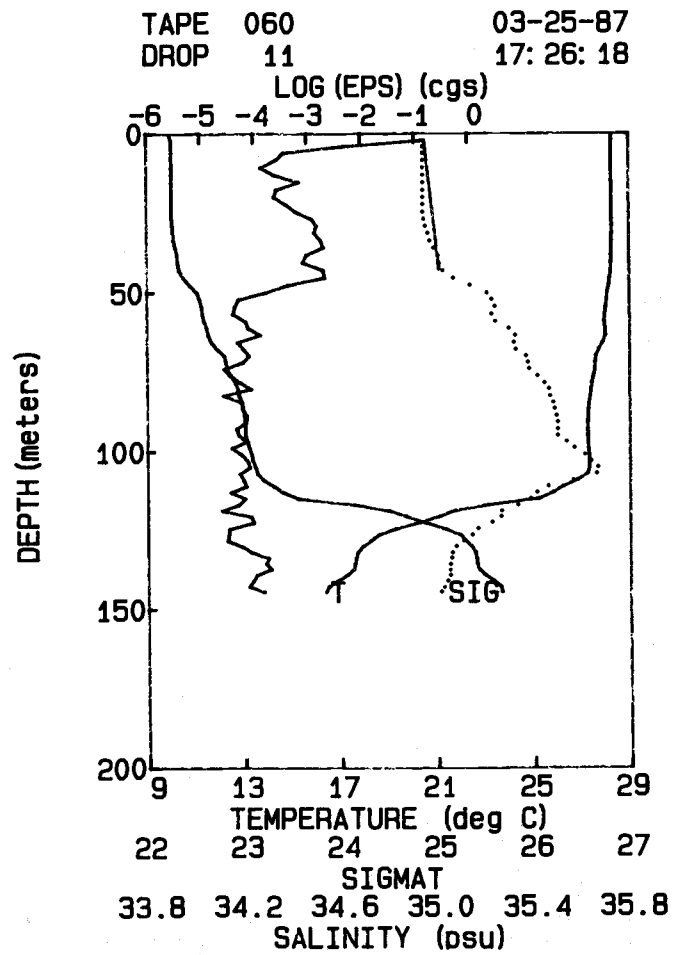
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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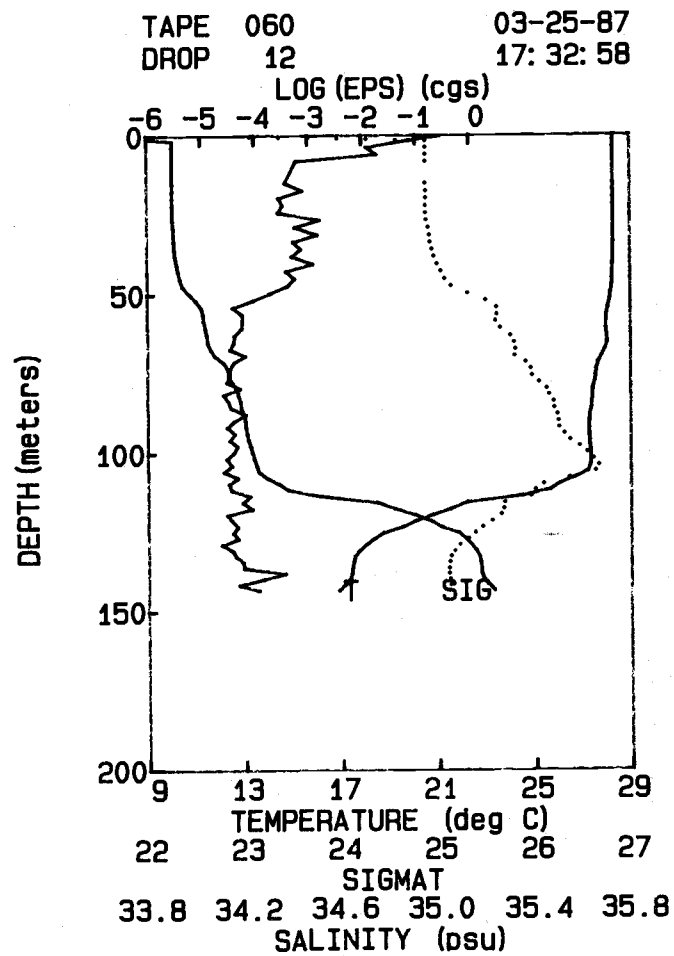
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 12
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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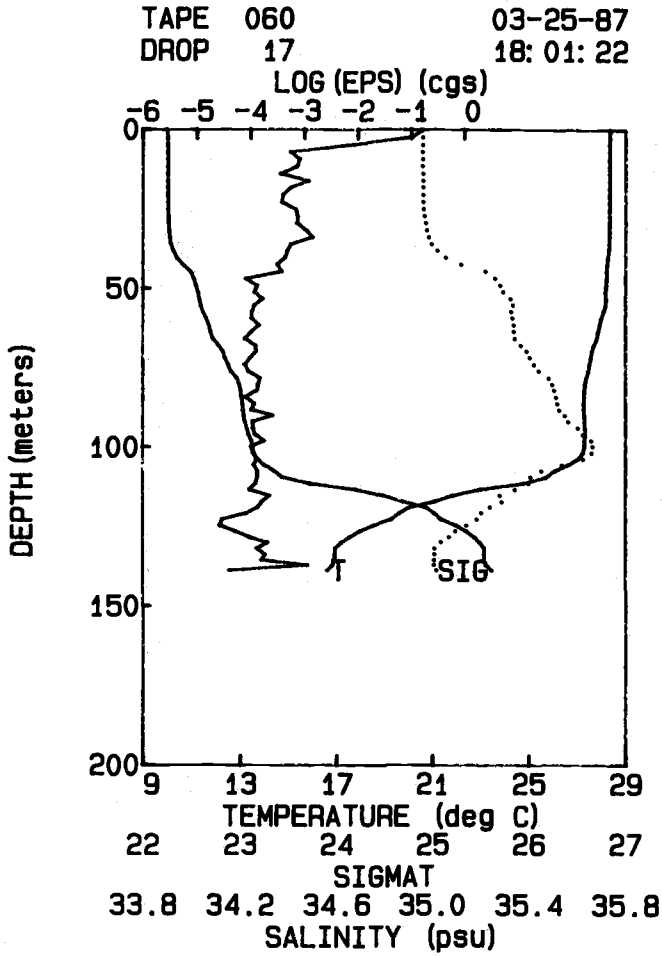
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 17
03-25-87
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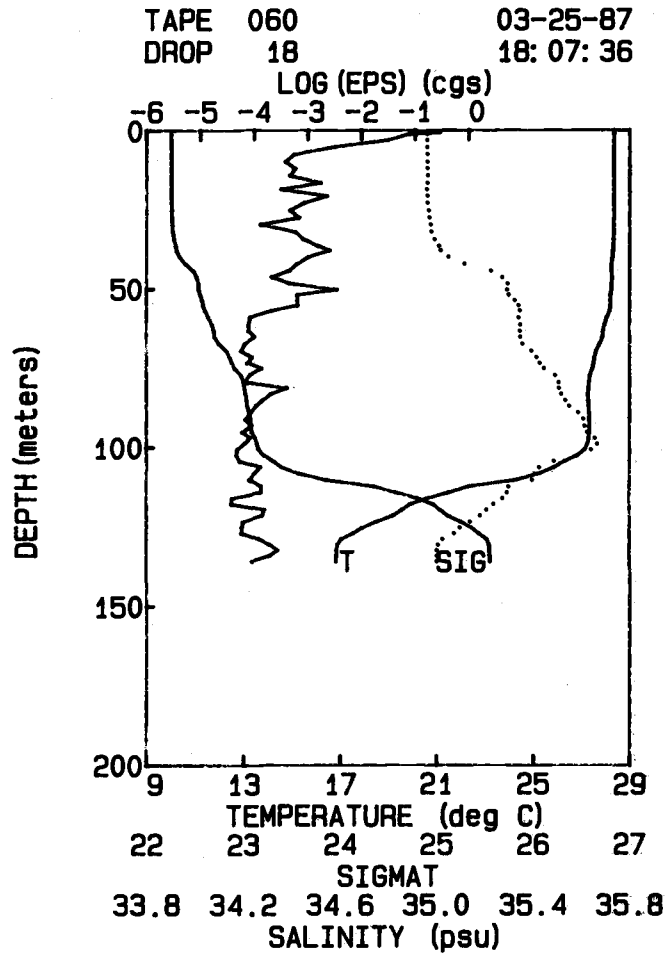
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 18
03-25-87
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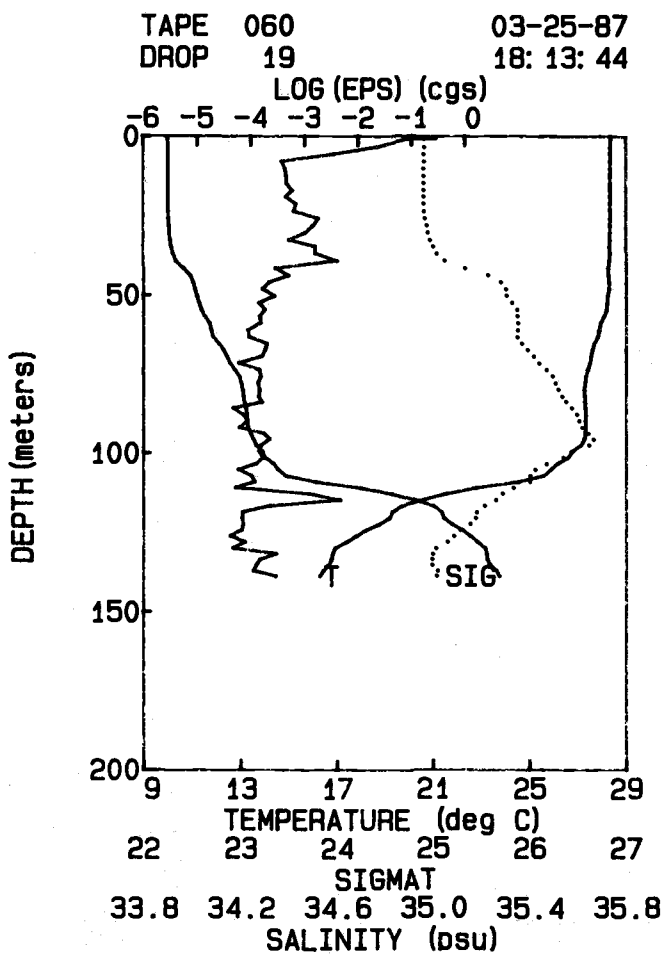
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-25-87
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LOG (EPS) (cgs)
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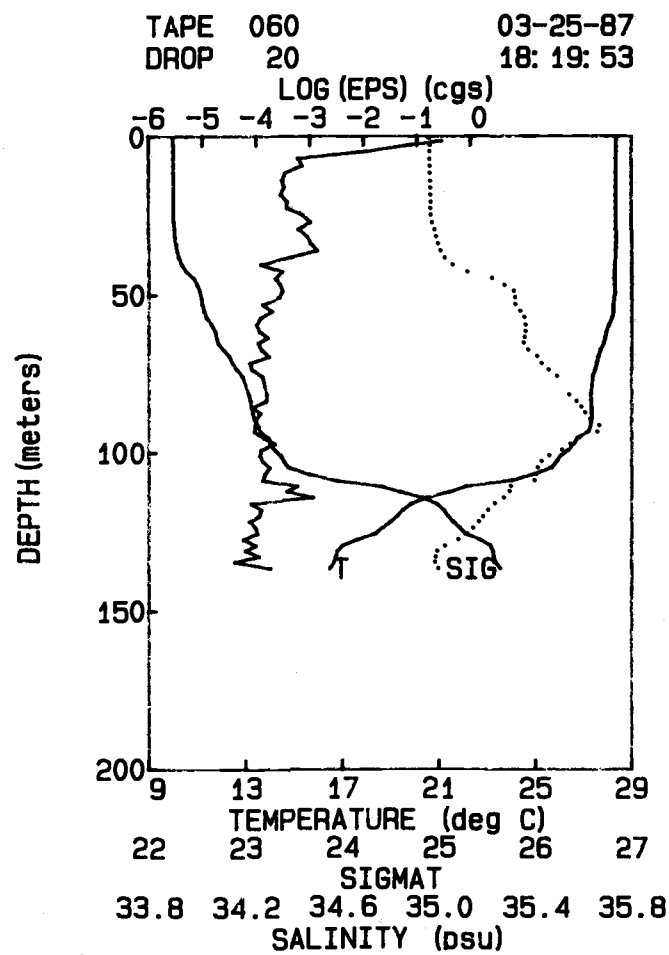
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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18: 19: 53
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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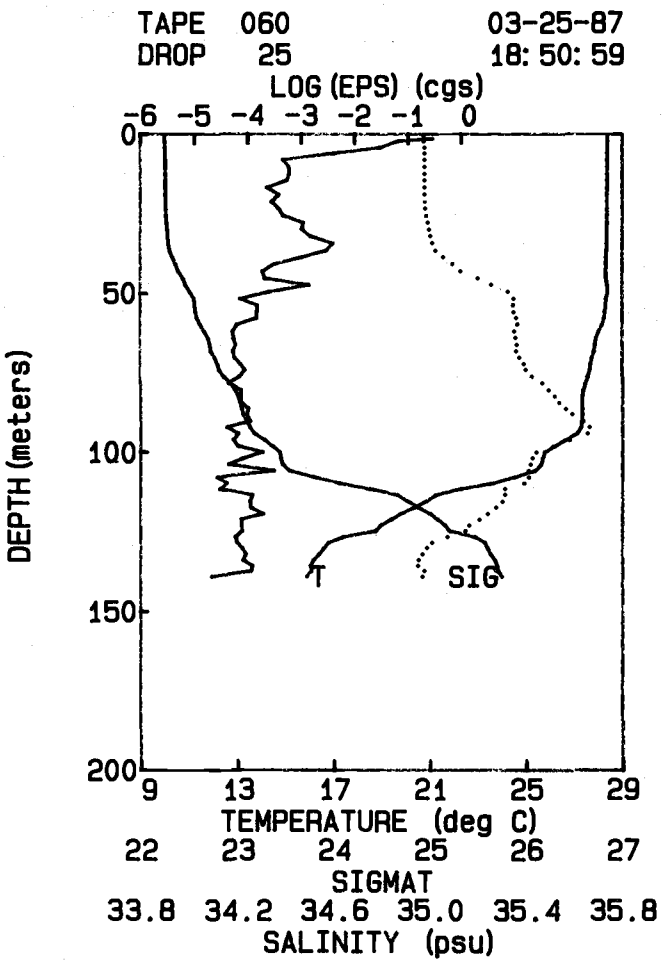
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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18: 50: 59
LOG (EPS) (cgs)
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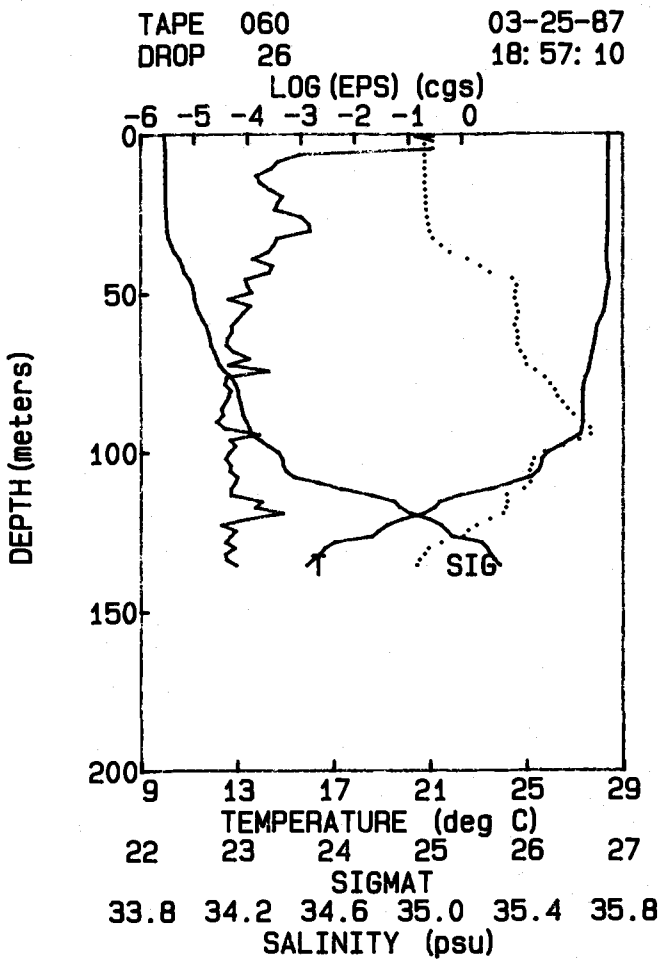
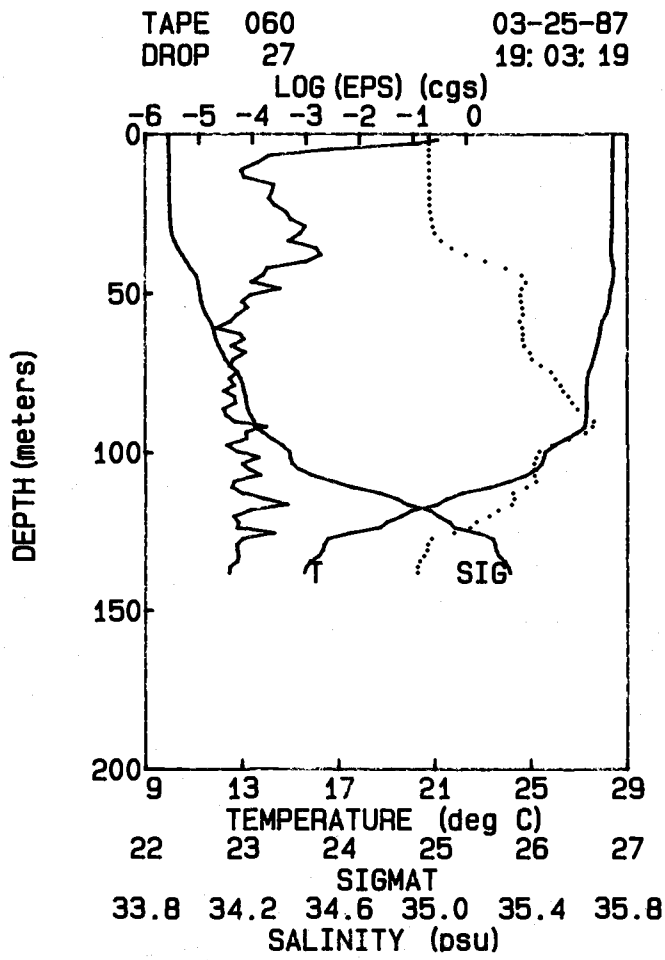
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 060
DROP 26
03-25-87
18: 57: 10
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-25-87
19: 03: 19
LOG (EPS) (cgs)
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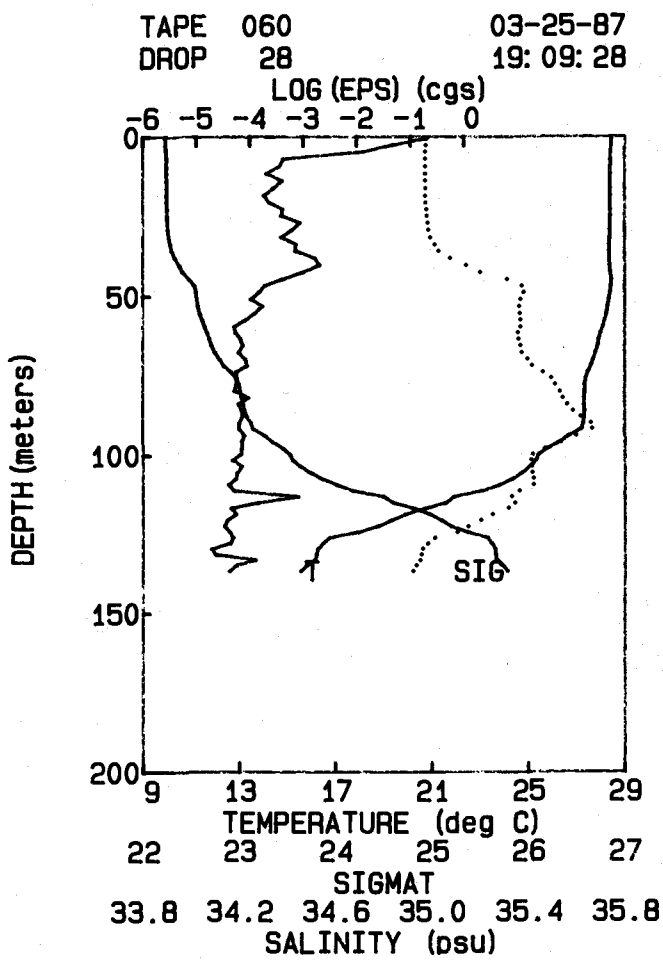
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 28
03-25-87
19: 09: 28
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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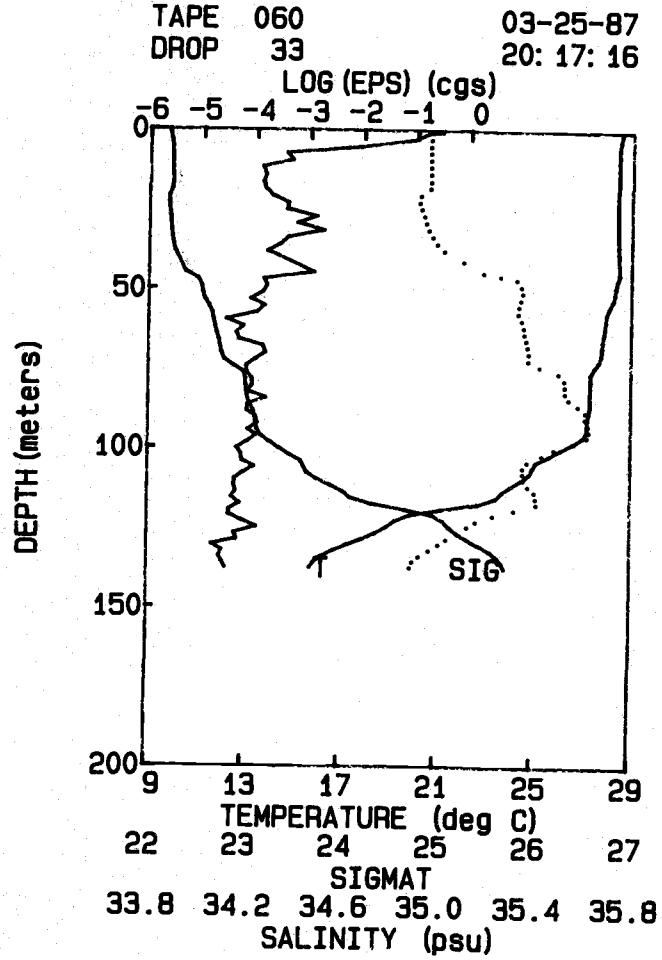
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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150
200
SIG
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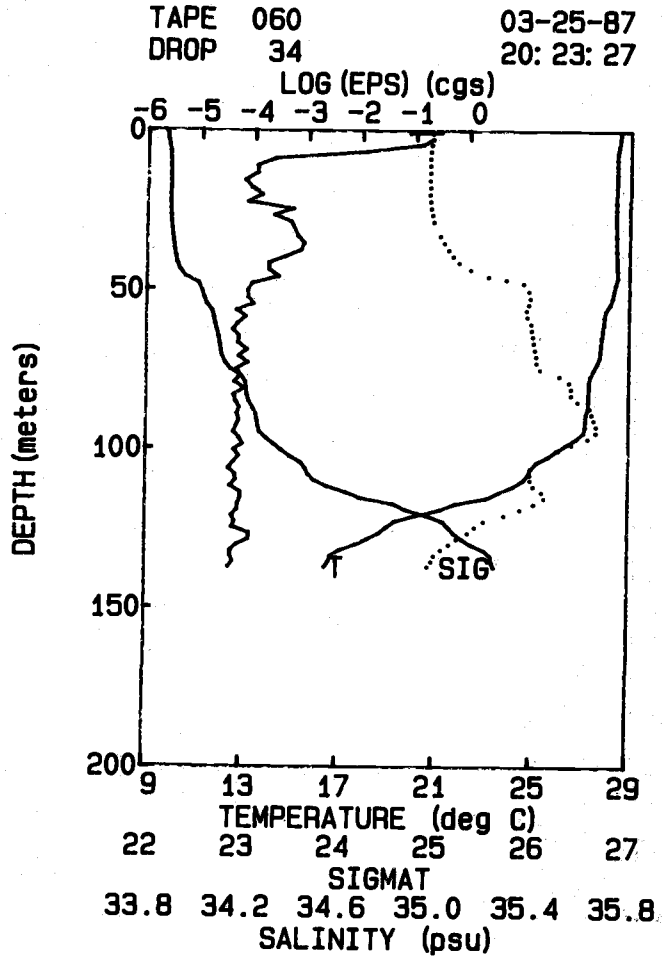
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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150
200
SIG
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TEMPERATURE (deg C)
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SIGMAT
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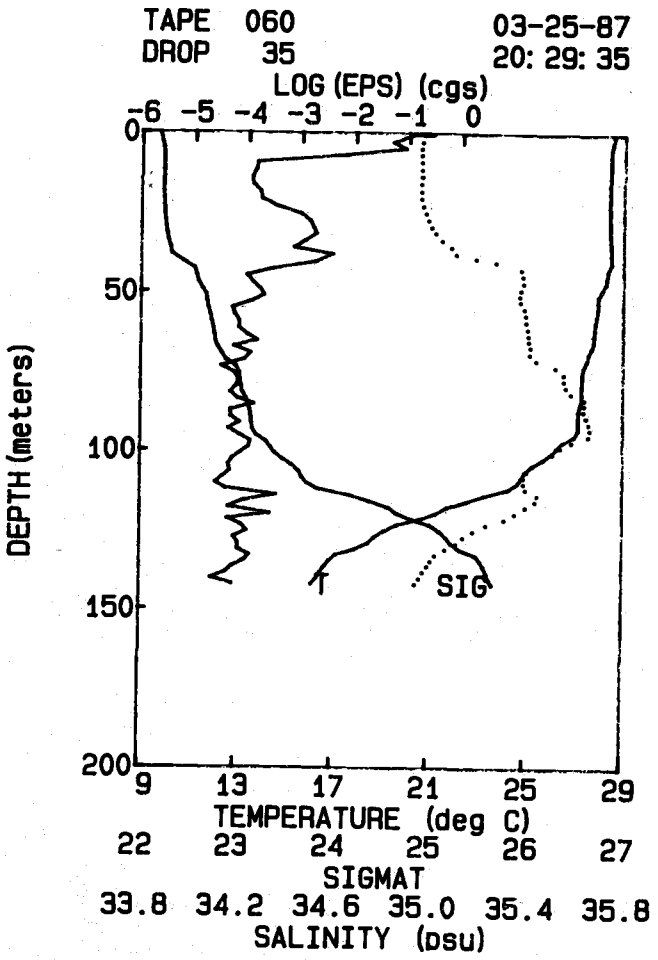
SALINITY (psu)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100
150
200
SIG
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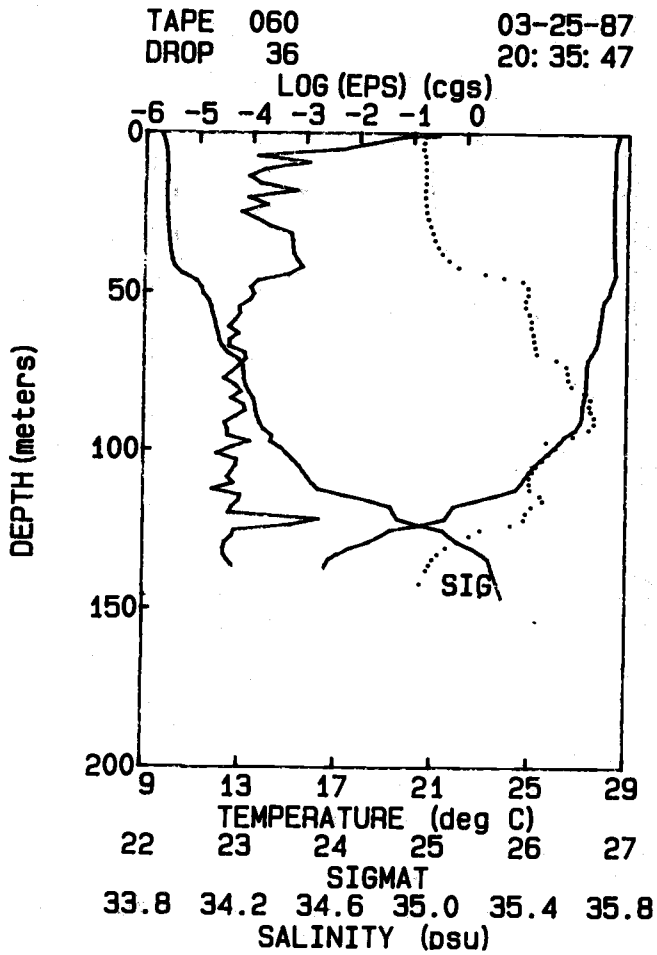
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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200
SIG
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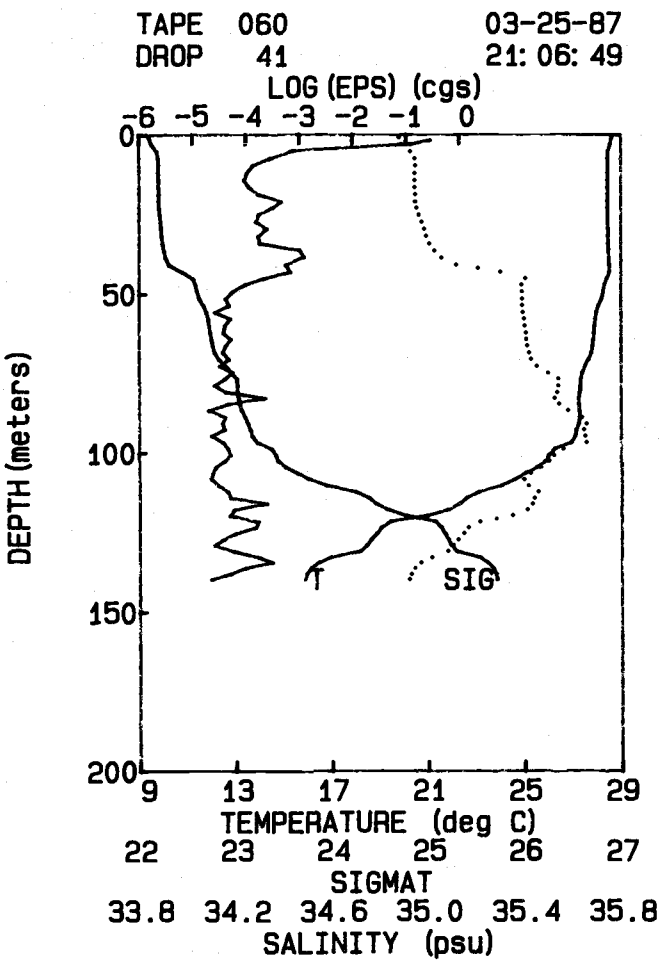
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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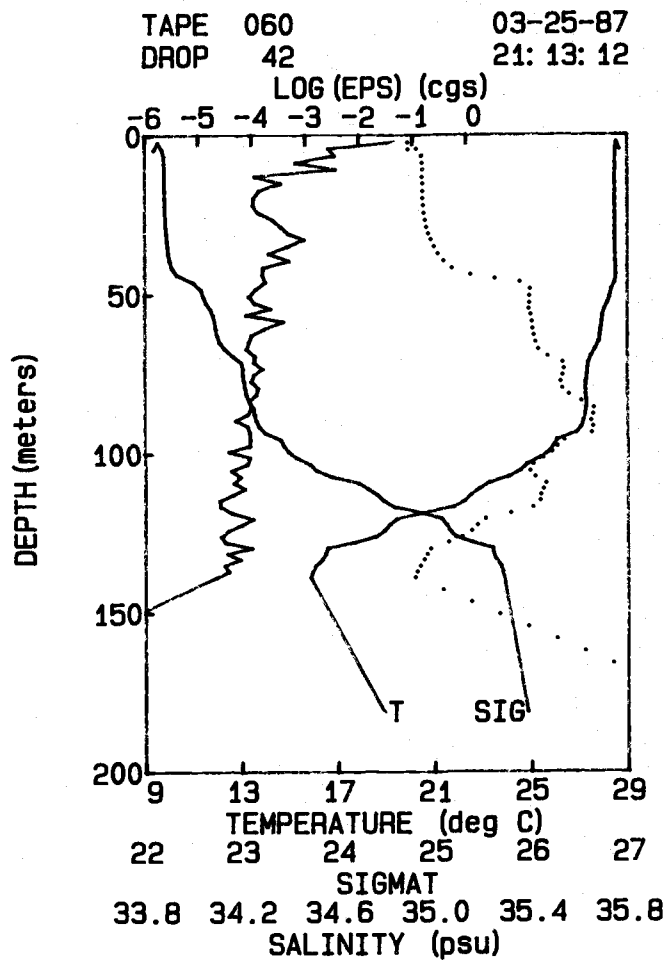
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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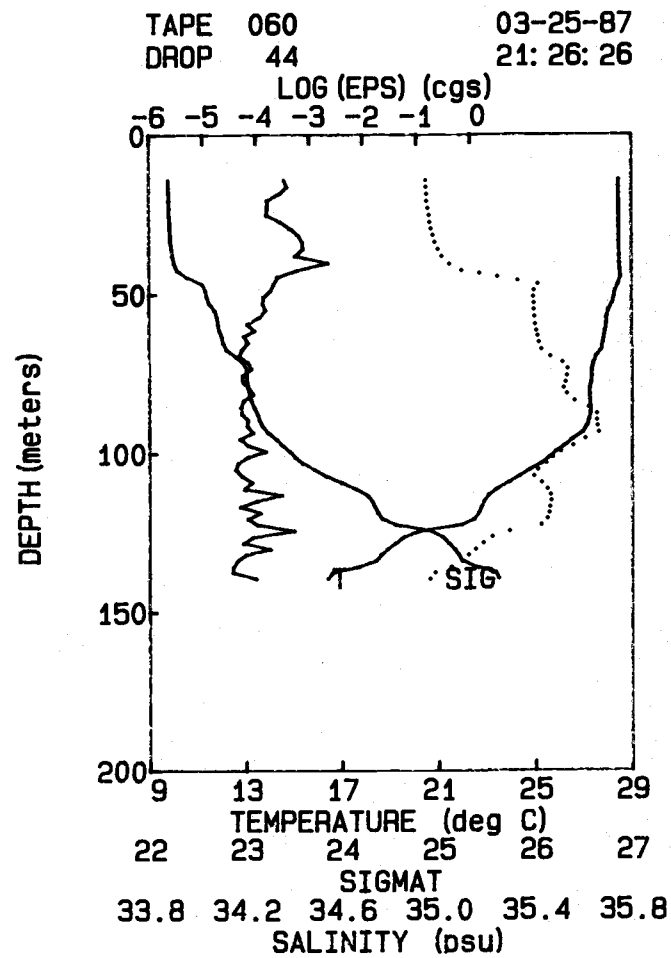
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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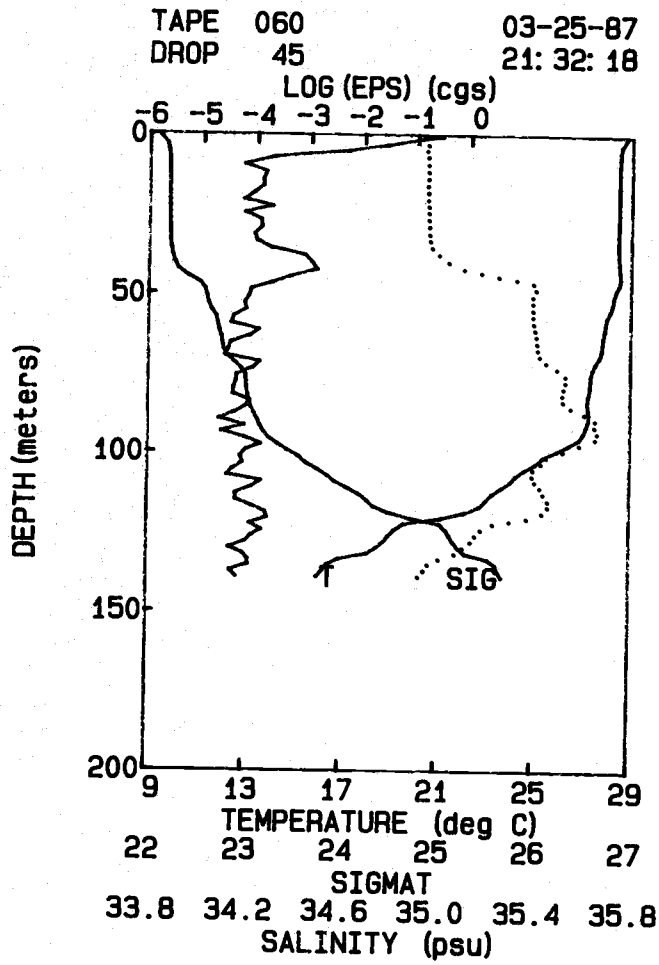
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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21: 32: 18
LOG (EPS) (cgs)
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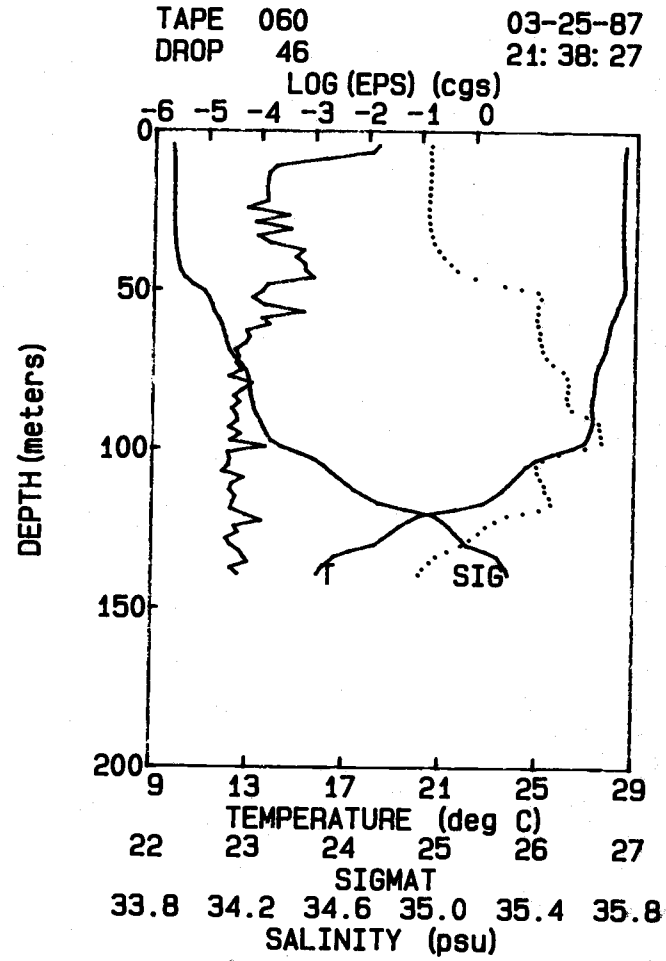
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-25-87
21: 38: 27
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DEPTH (meters)
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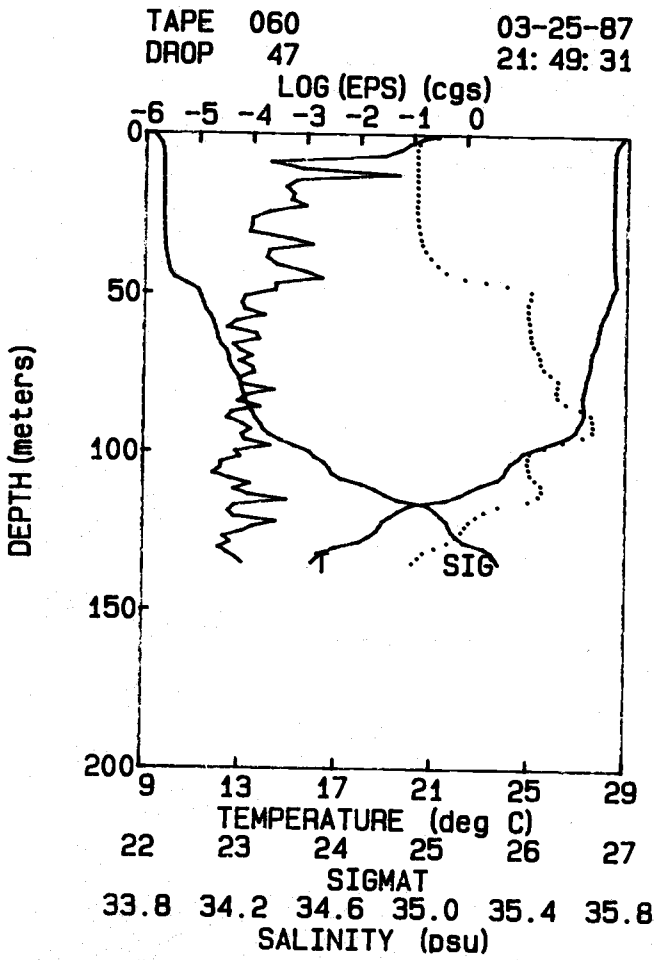
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-25-87
21: 49: 31
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DEPTH (meters)
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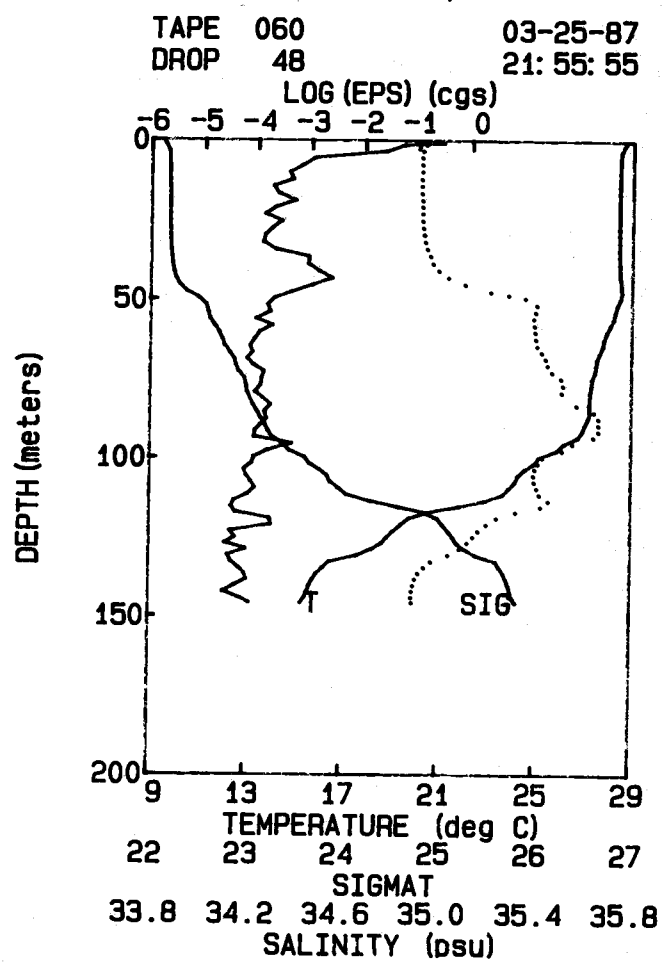
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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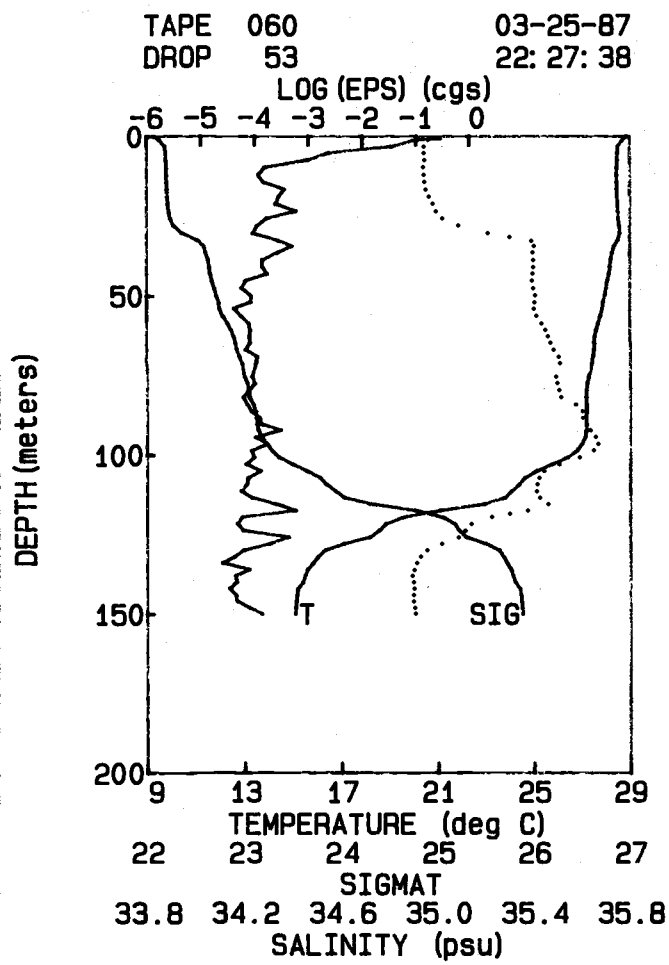
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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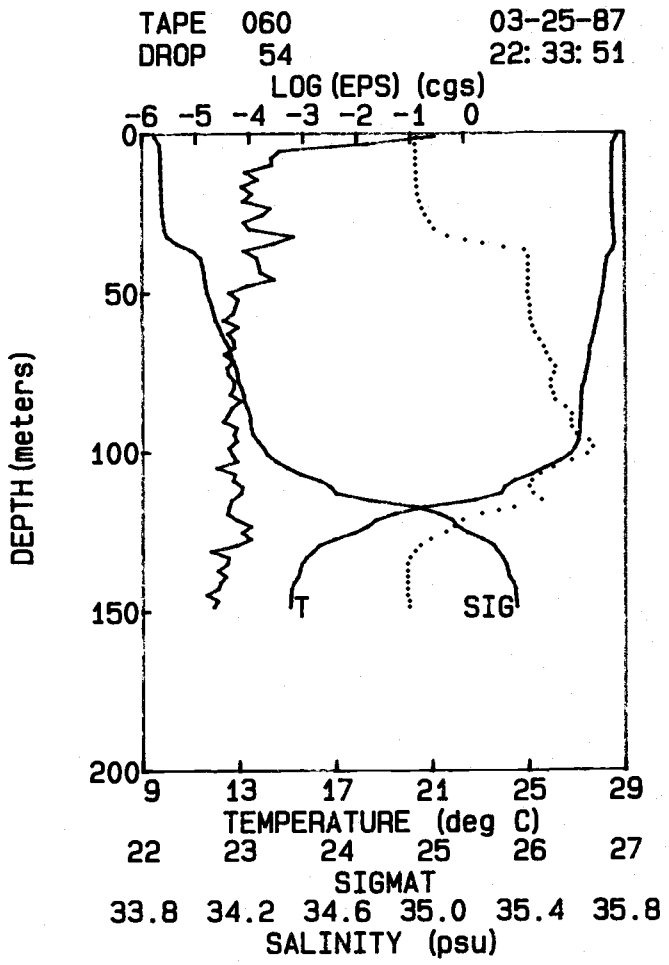
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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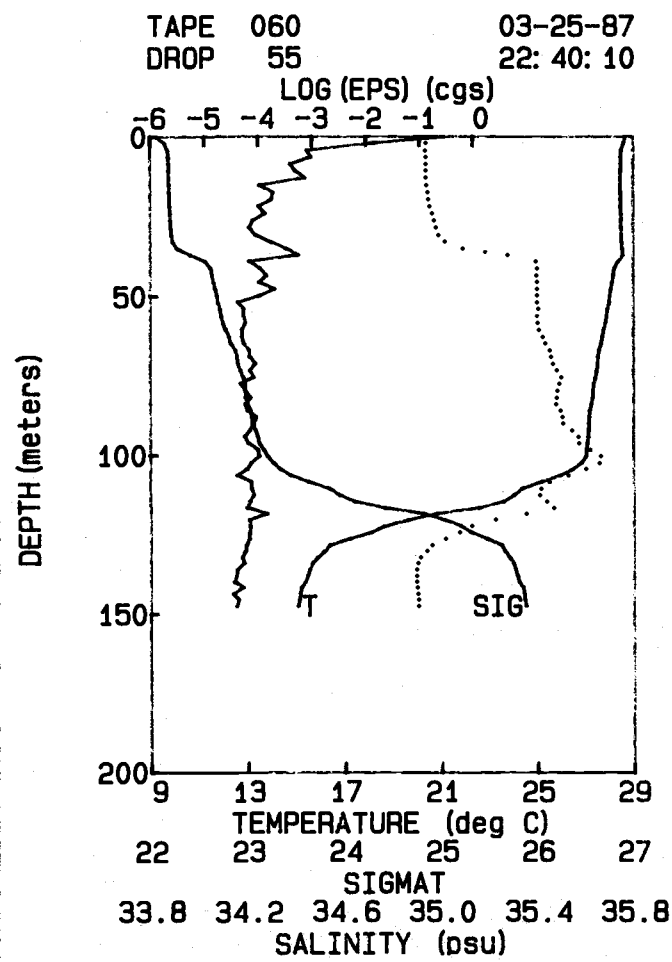
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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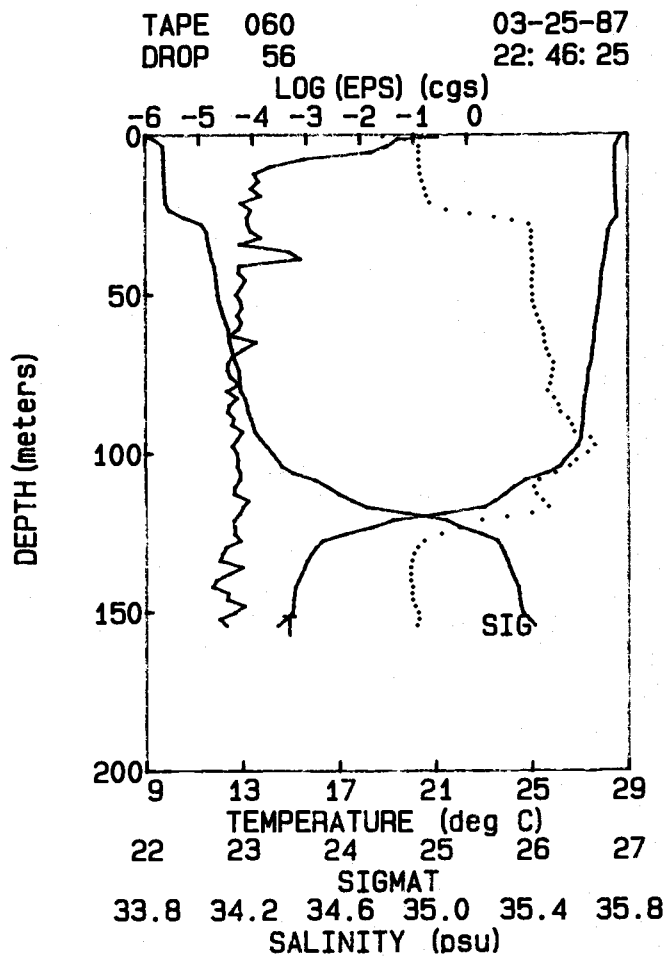
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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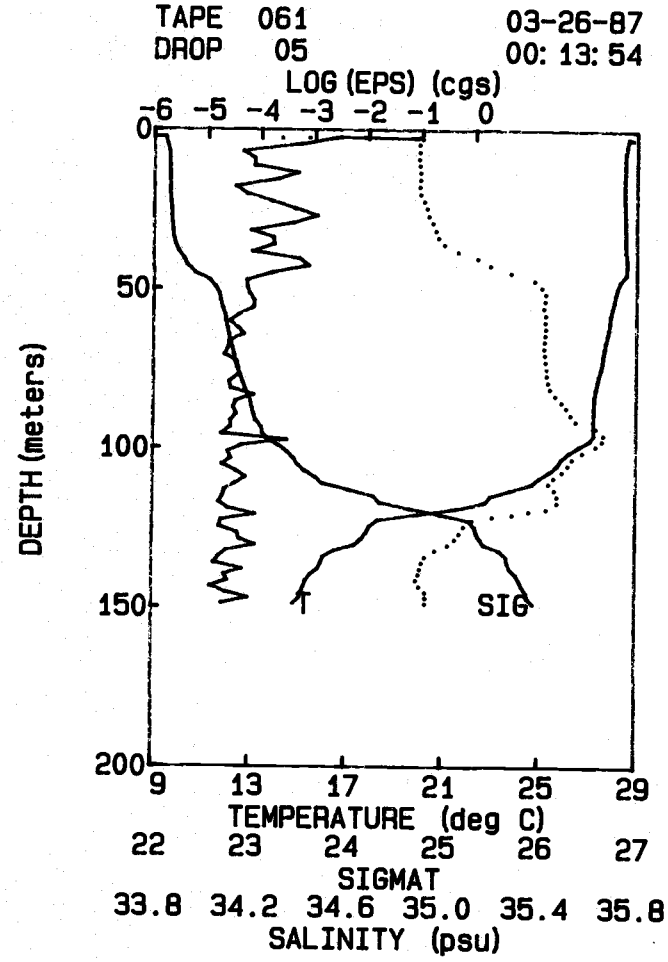
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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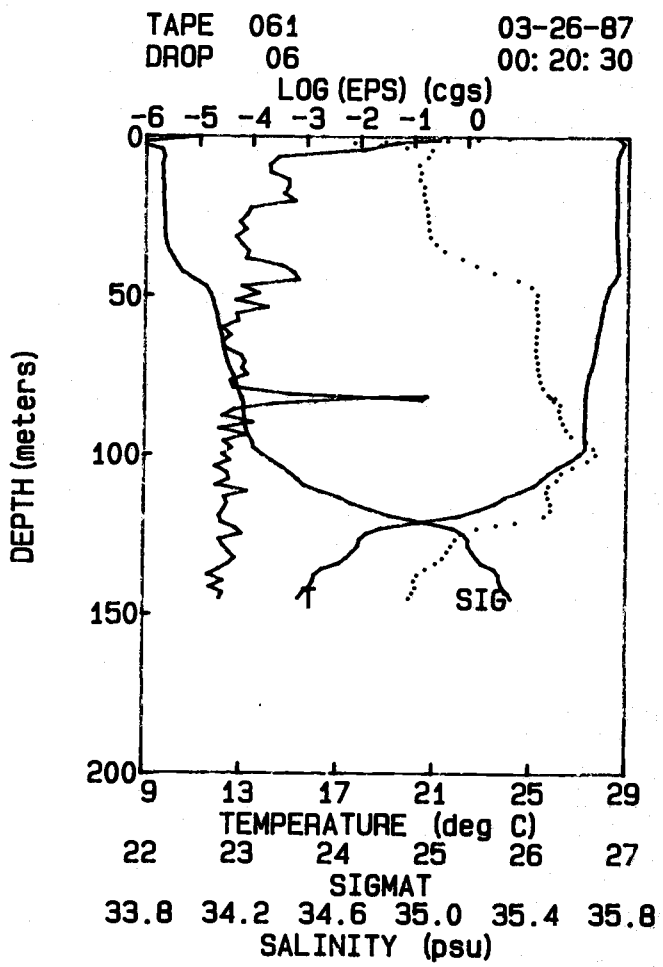
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
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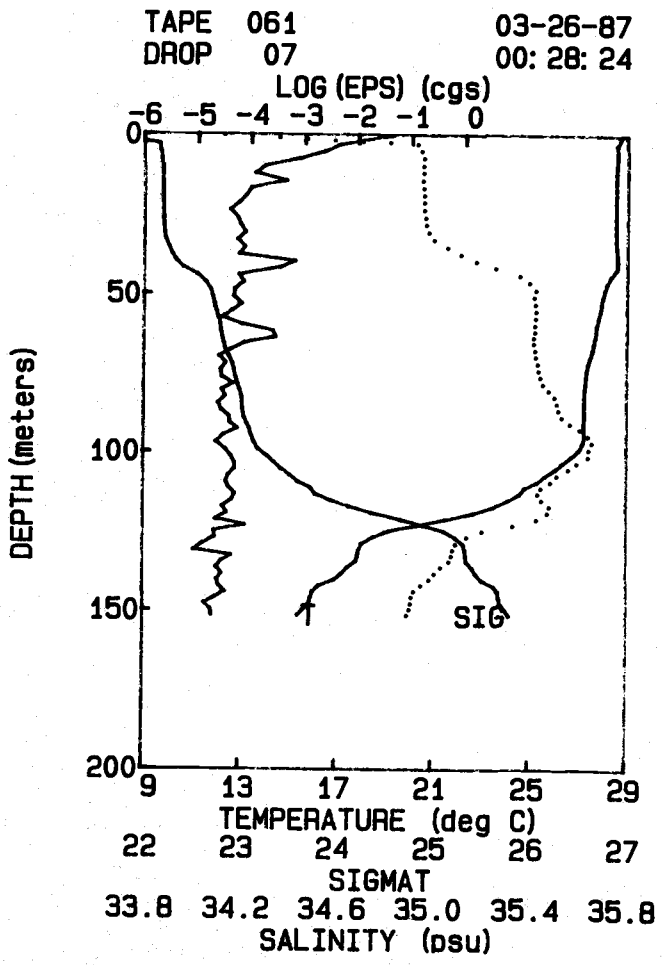
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIG
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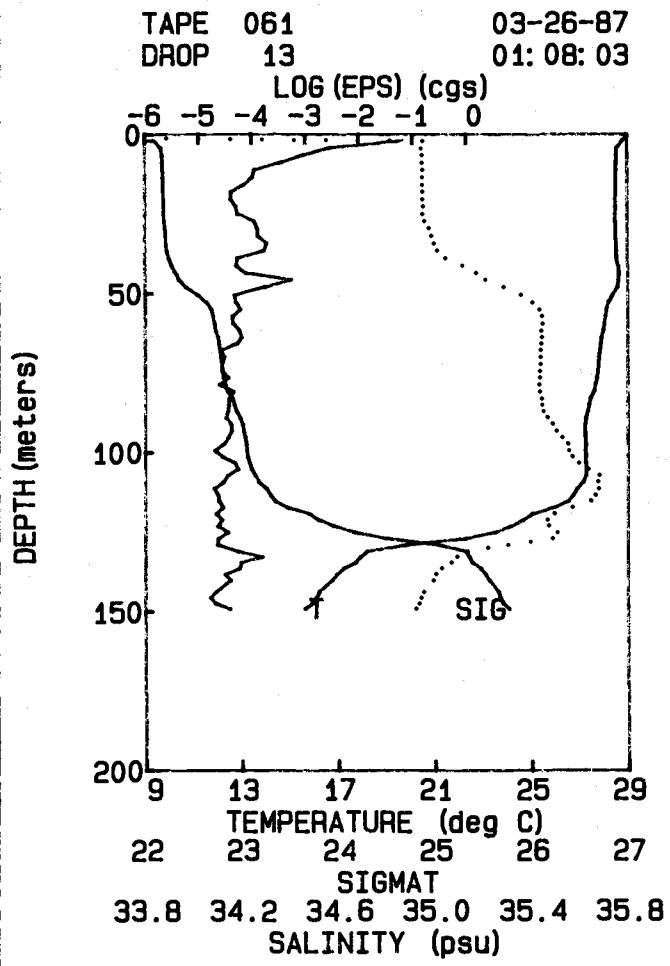
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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01: 08: 03
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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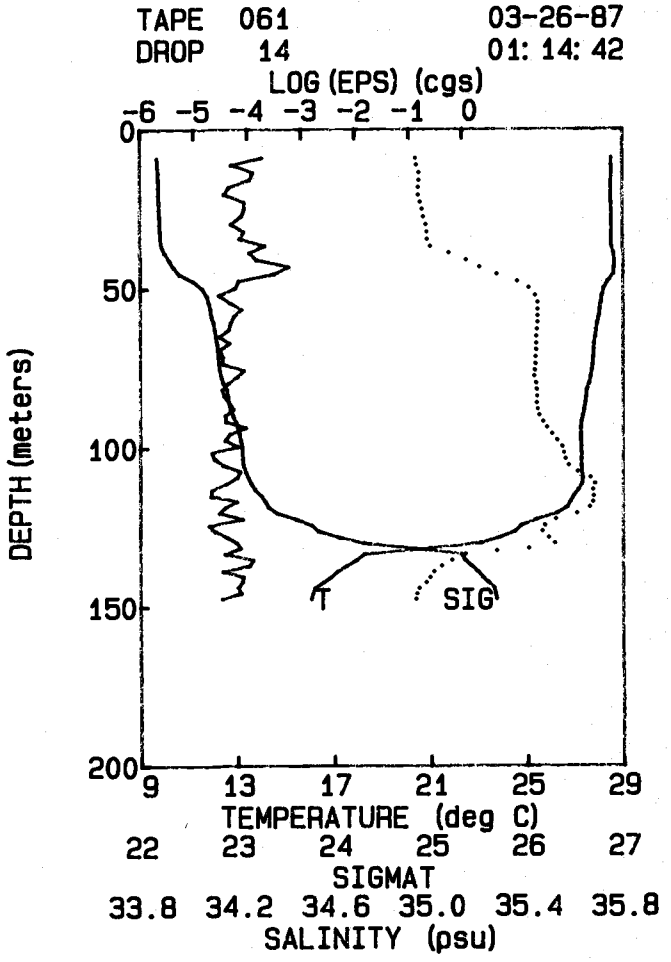
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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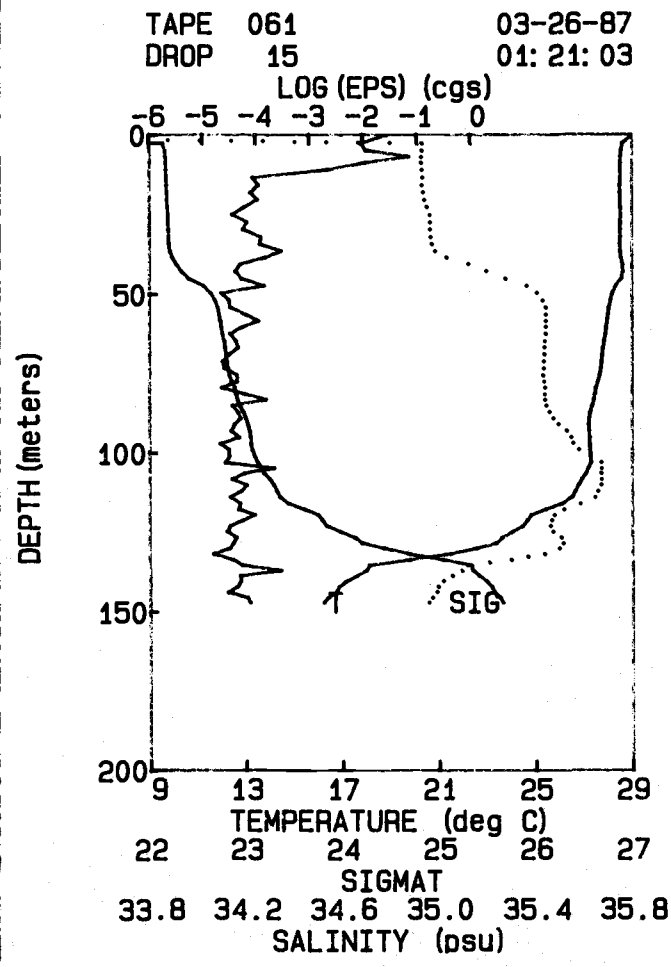
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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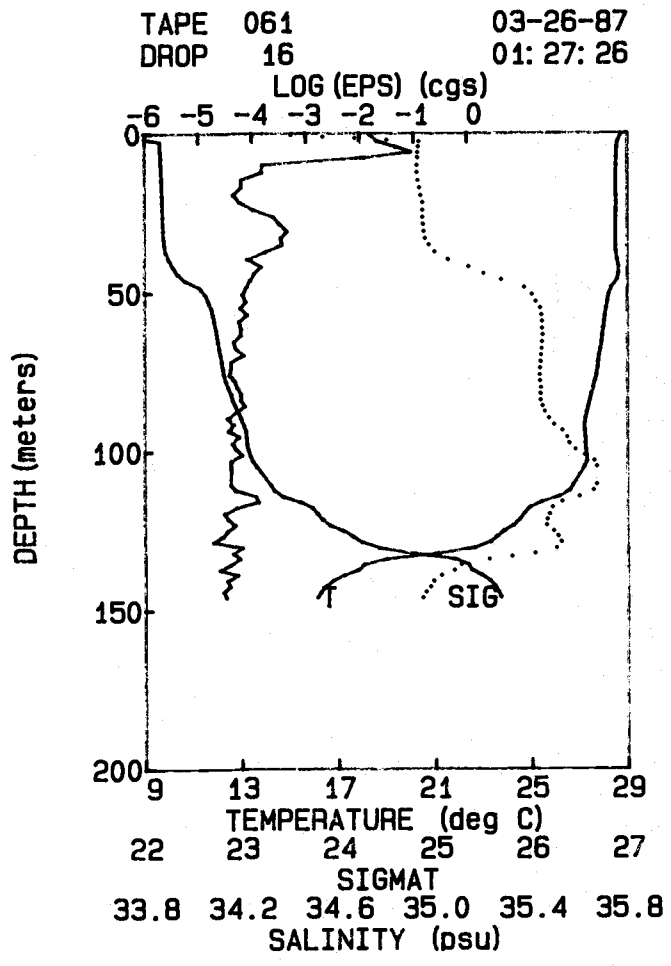
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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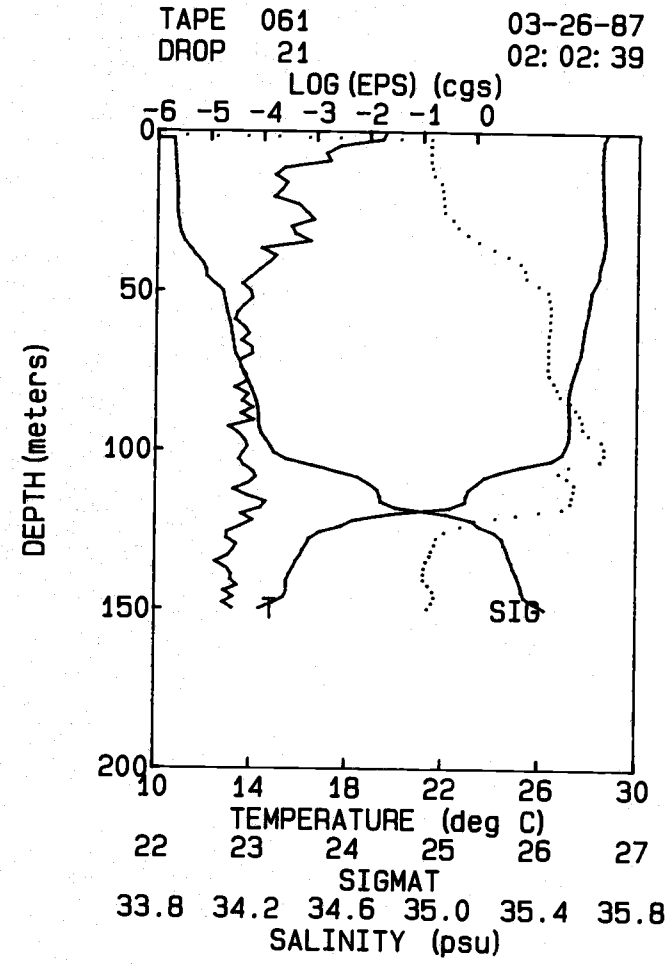
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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02: 02: 39
LOG (EPS) (cgs)
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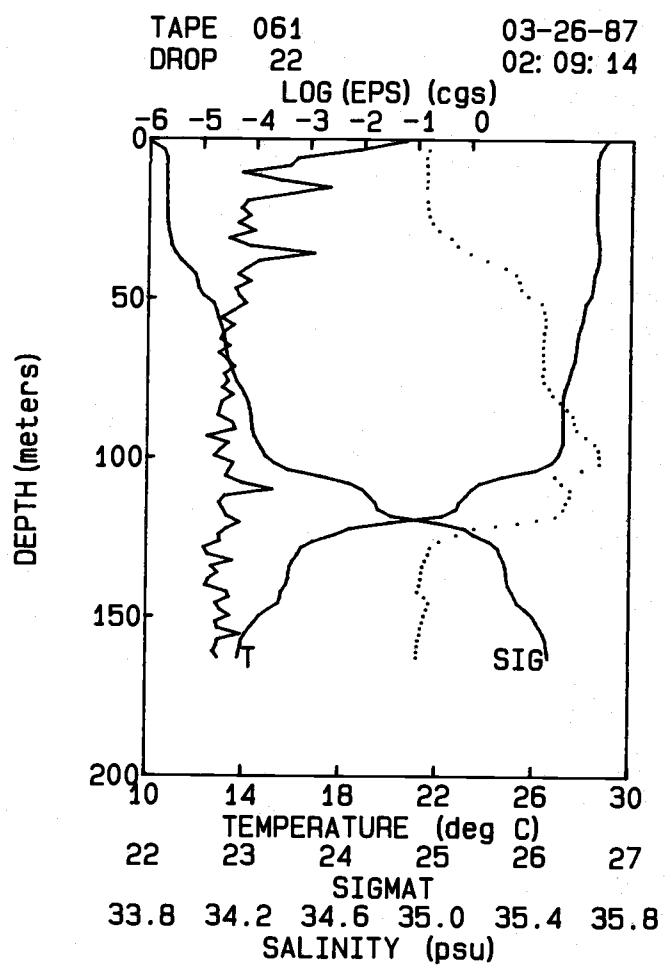
DEPTH (meters)
0
50
100
150
200
T
SIG
10 14 18 22 26 30
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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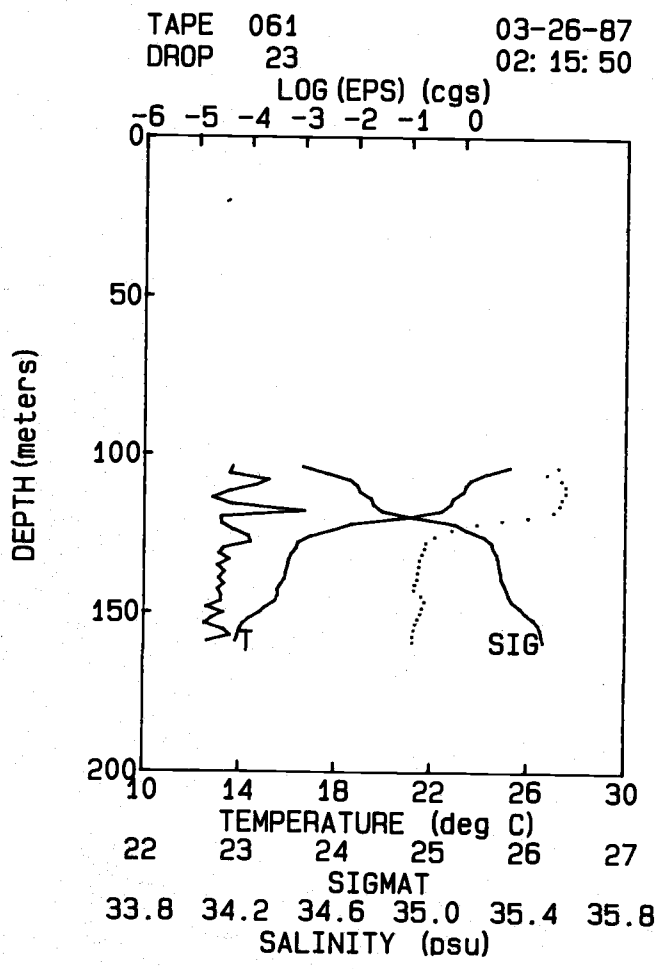
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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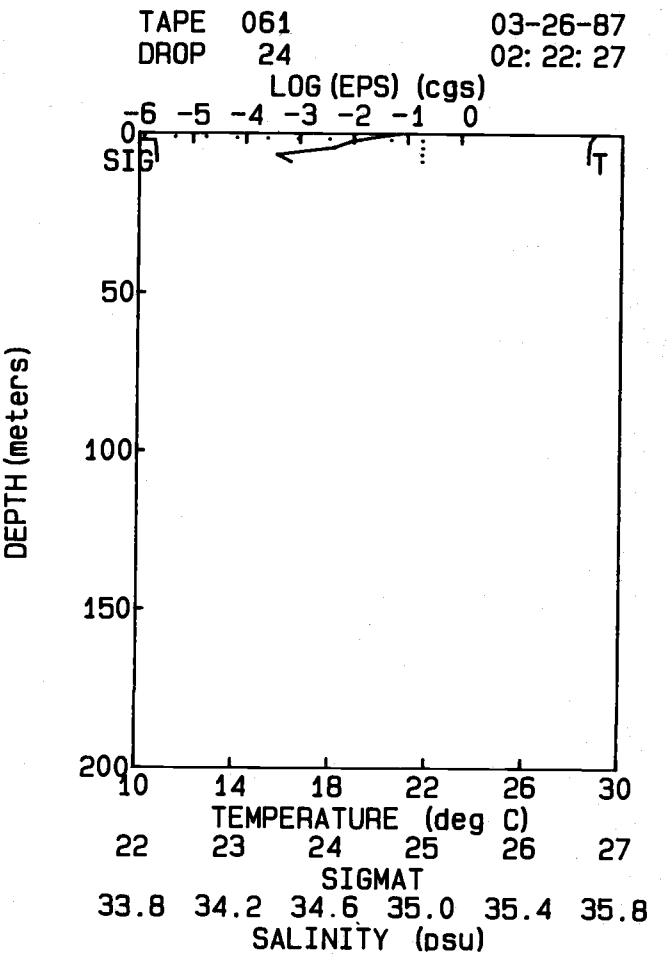
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
T
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TEMPERATURE (deg C)
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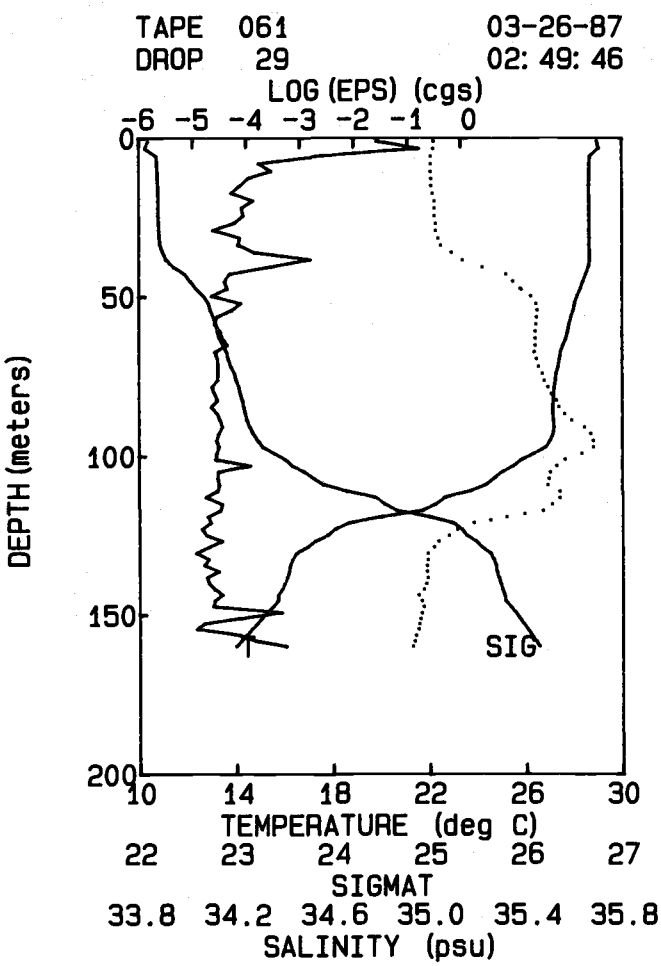
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
SIG
T
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TEMPERATURE (deg C)
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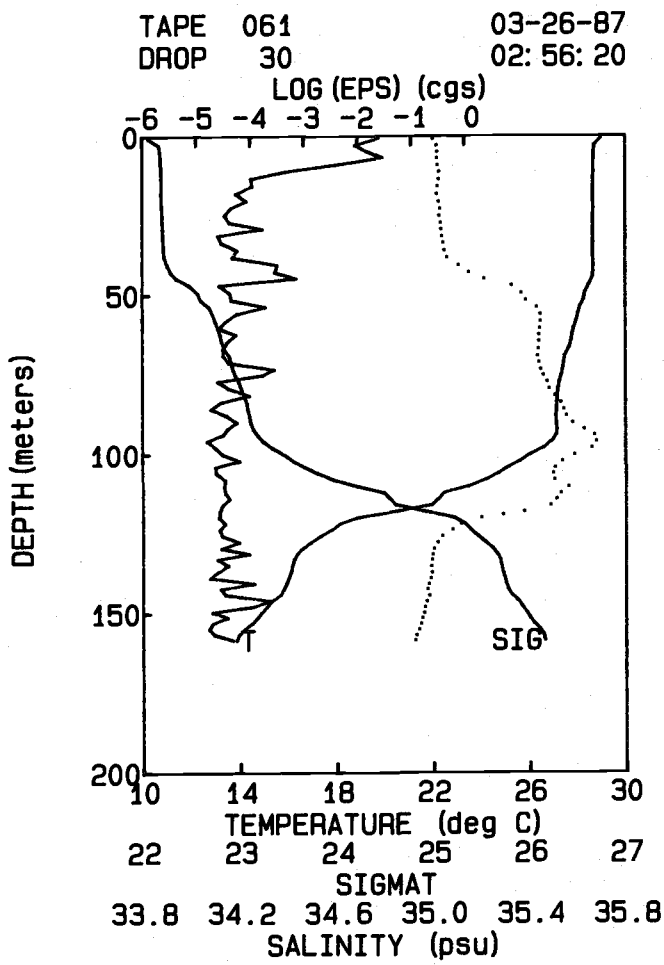
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
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100
150
200
SIG
T
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TEMPERATURE (deg C)
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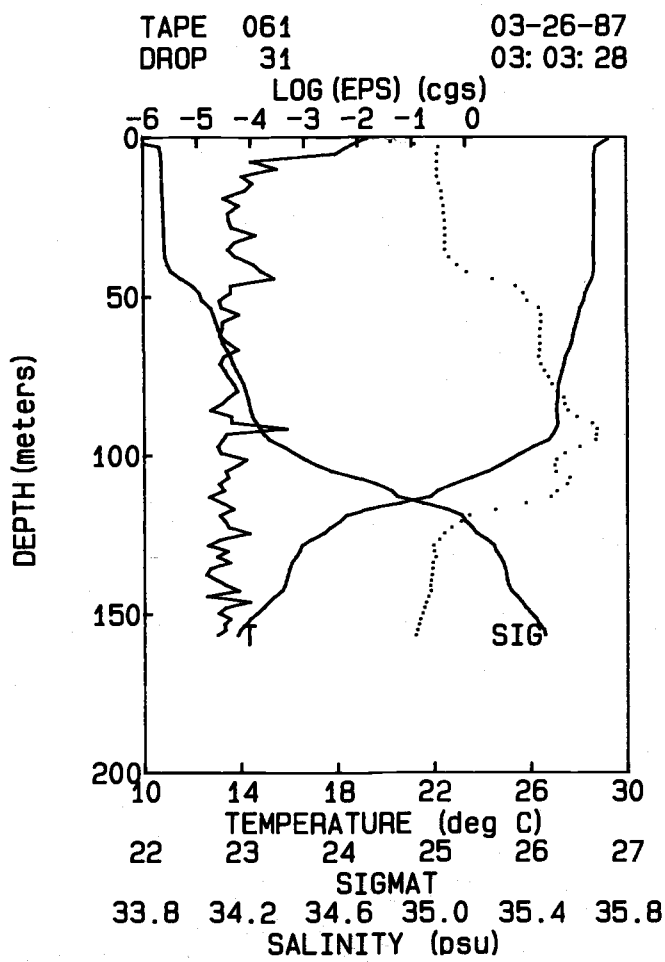
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
SIG
T
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TEMPERATURE (deg C)
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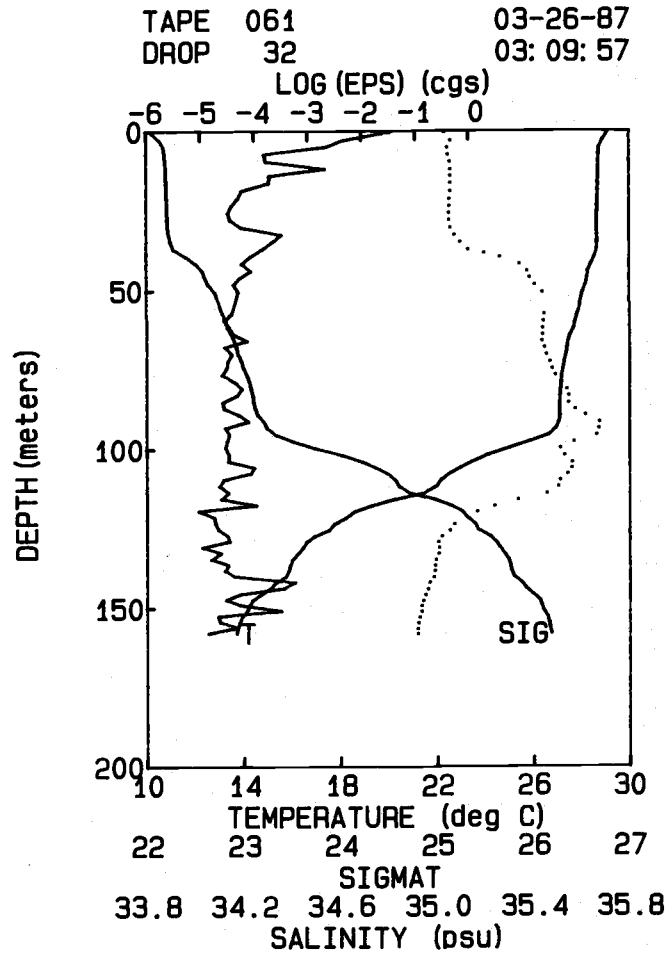
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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150
200
SIG
T
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SIGMAT
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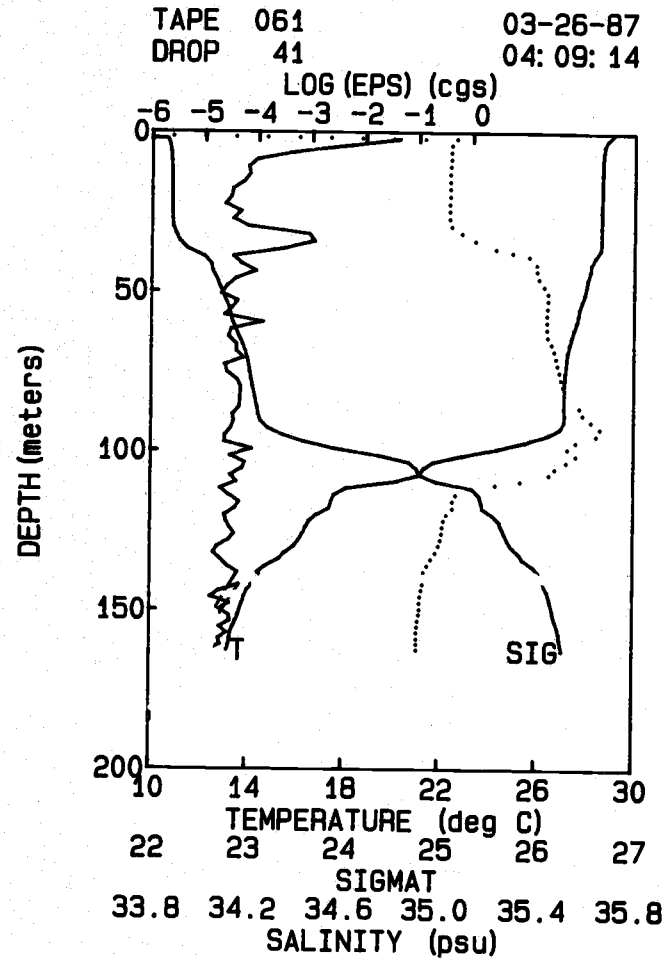
SALINITY (psu)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150
200
T
SIG
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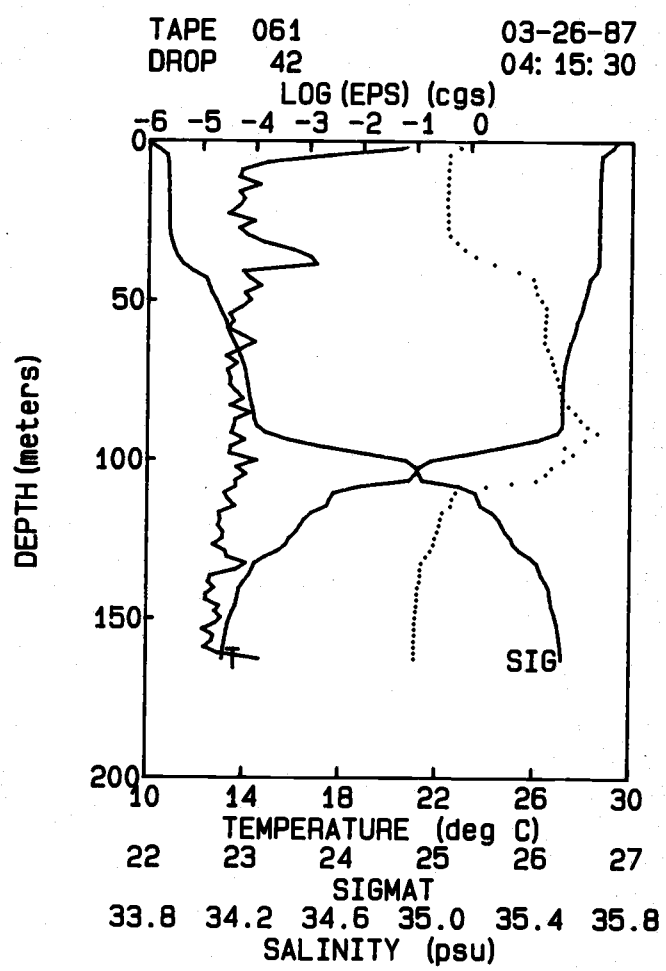
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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150
200
T
SIG
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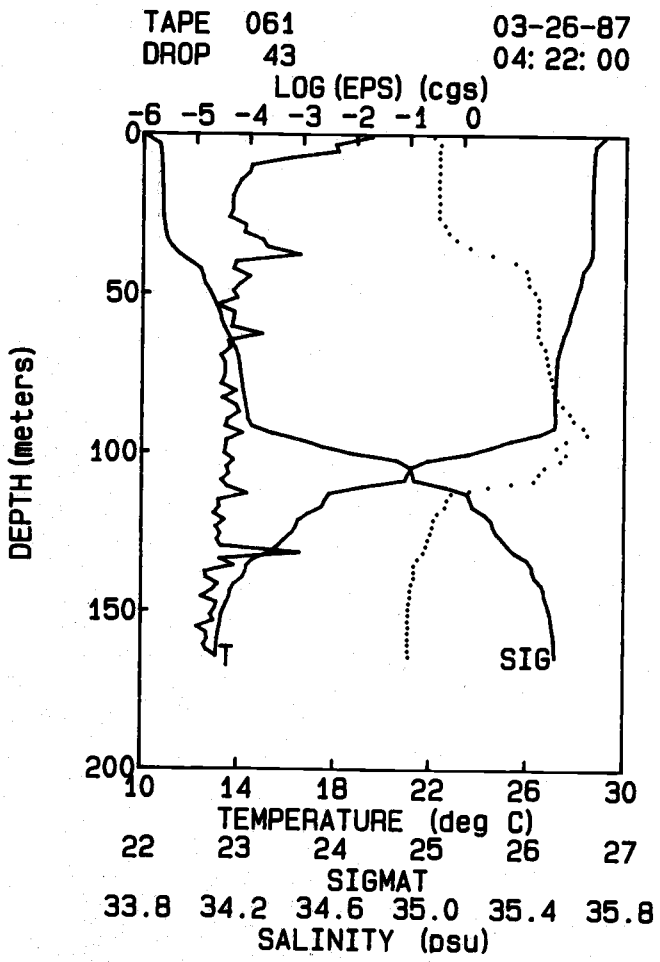
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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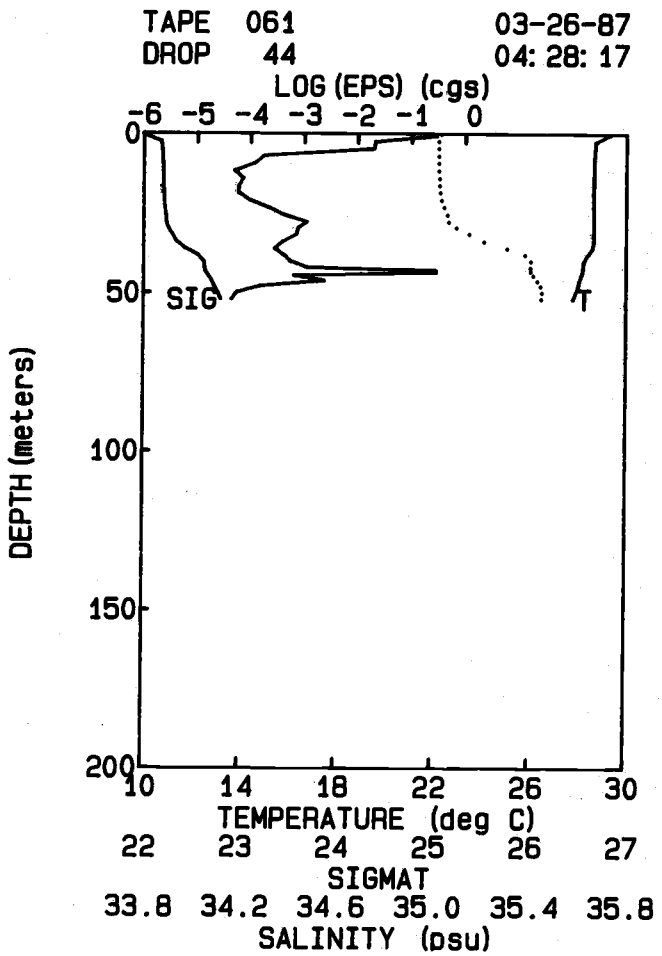
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
SIG
T
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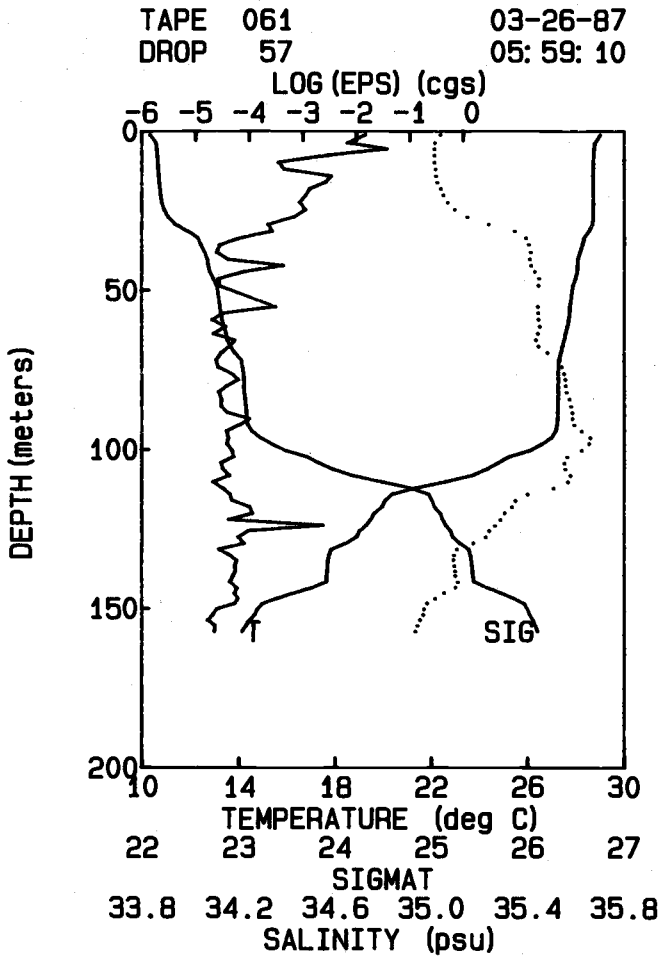
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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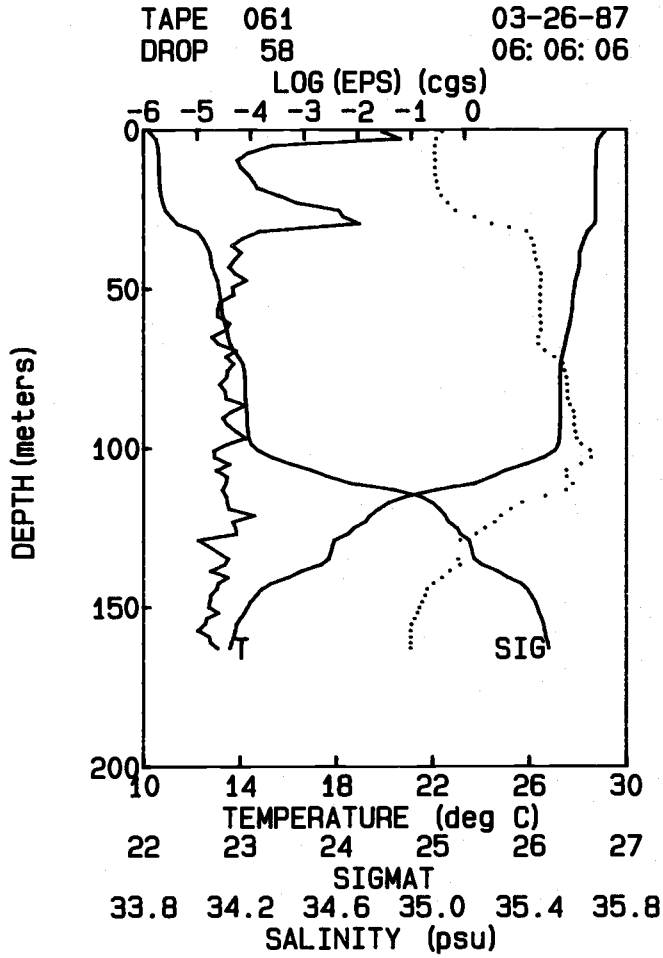
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 58 06: 06: 06
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DEPTH (meters)
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50
100
150
200
T
SIG
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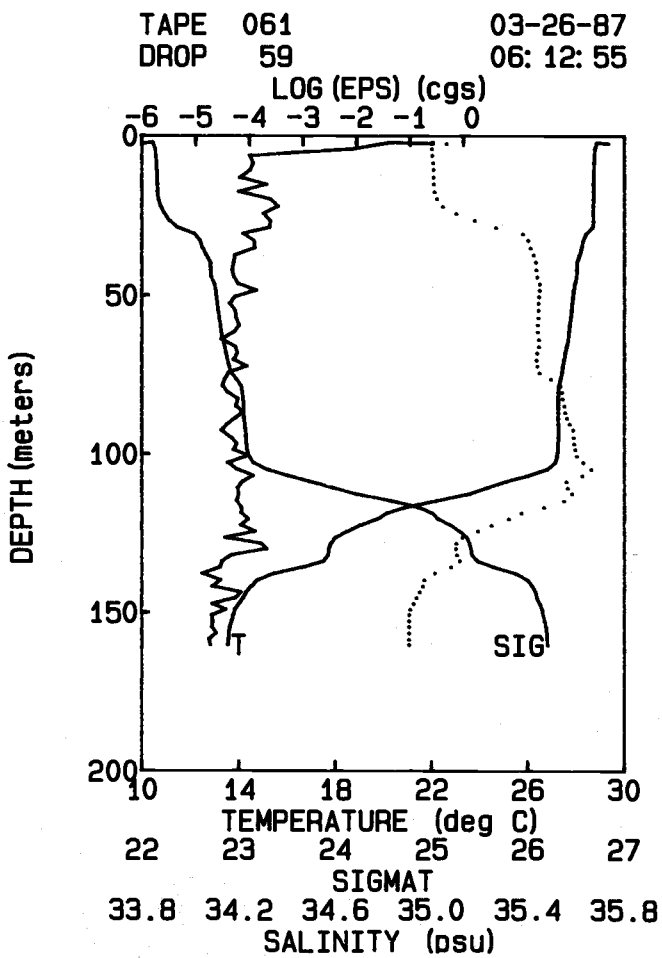
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
T
SIG
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TEMPERATURE (deg C)
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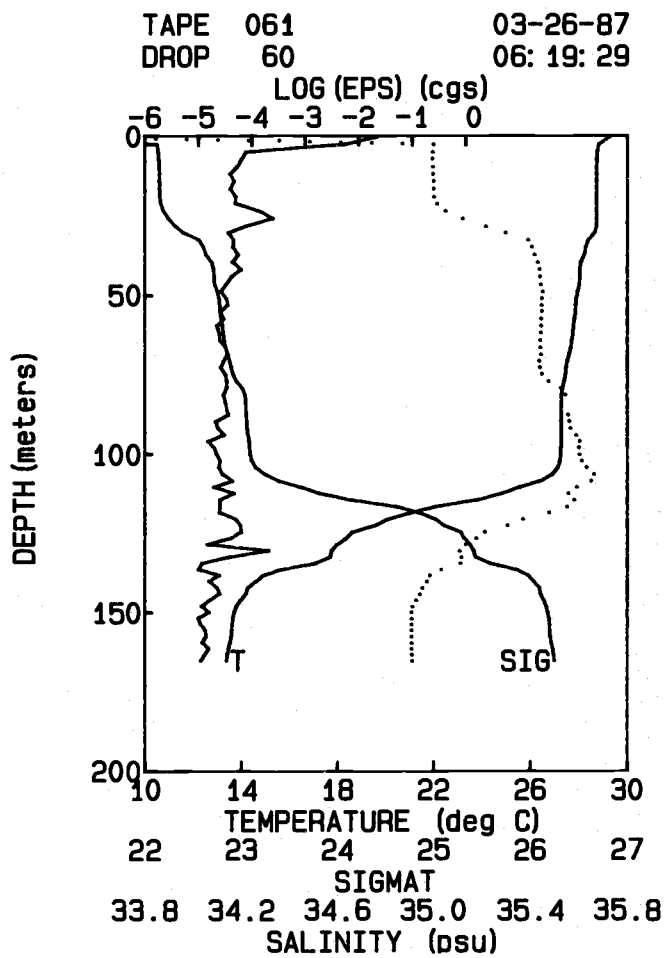
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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100
150
200
T
SIG
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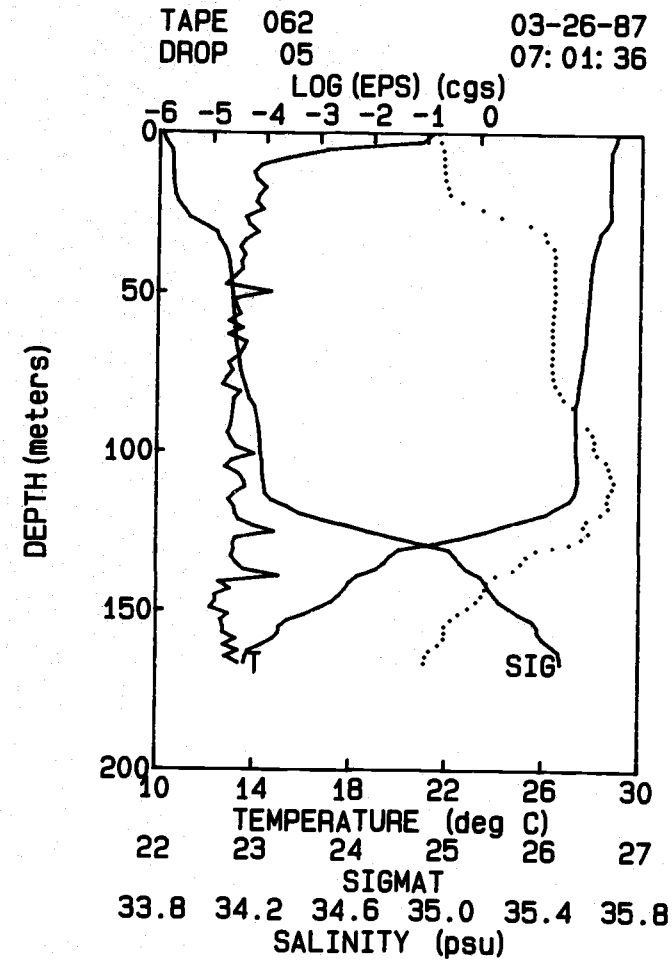
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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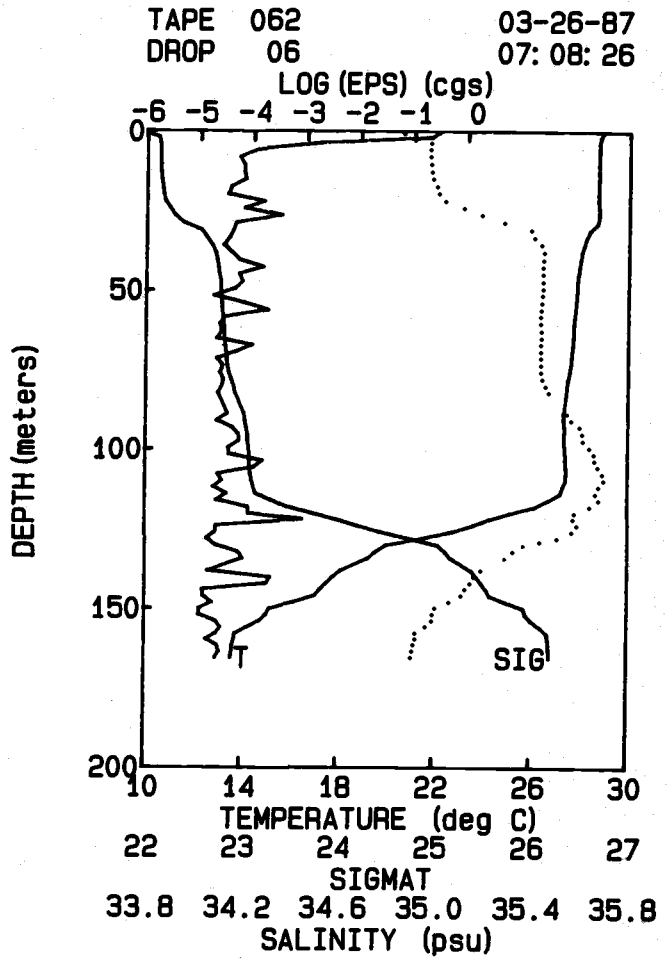
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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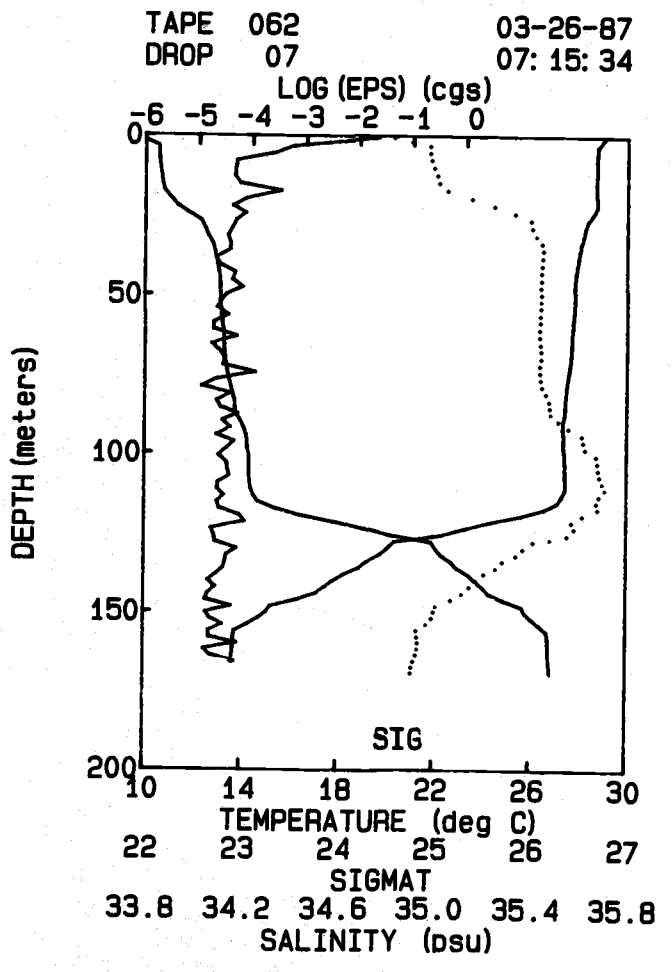
03-26-87
07: 08: 26
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
10 14 18 22 26 30
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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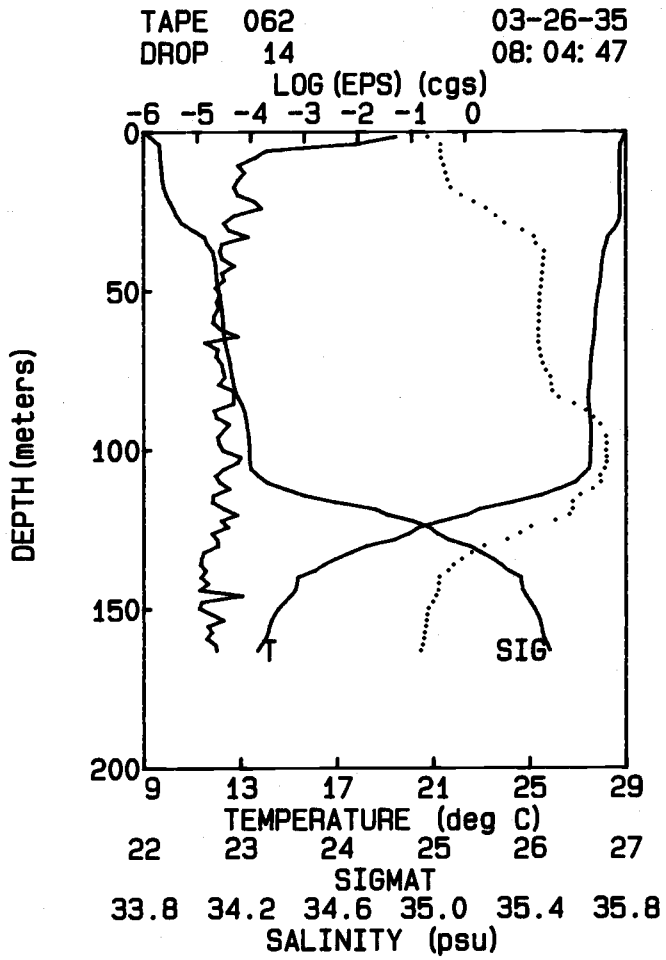
DROP 07
03-26-87
07: 15: 34
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
10 14 18 22 26 30
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-26-35
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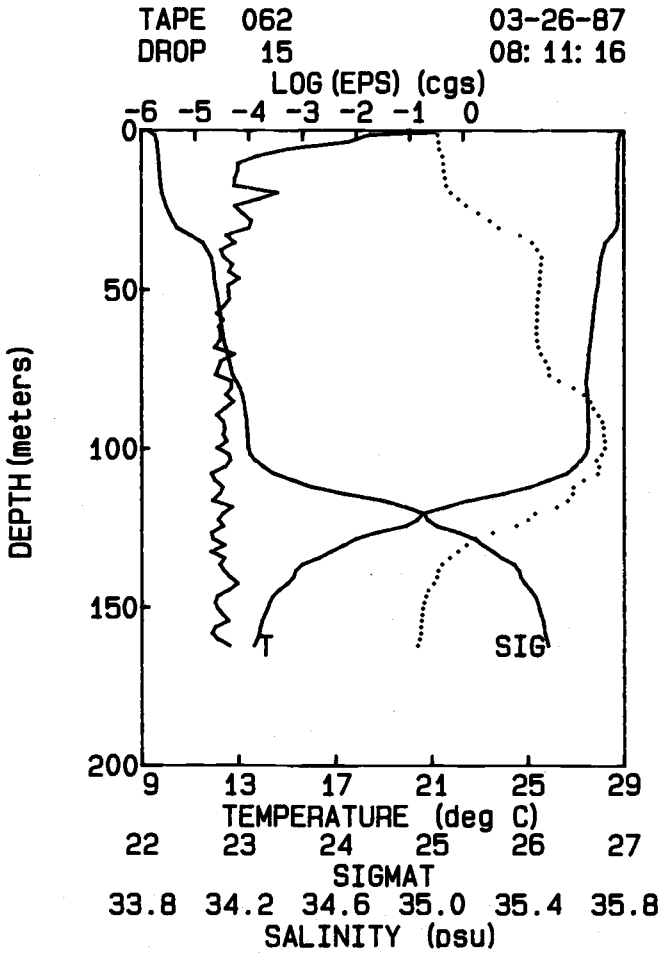
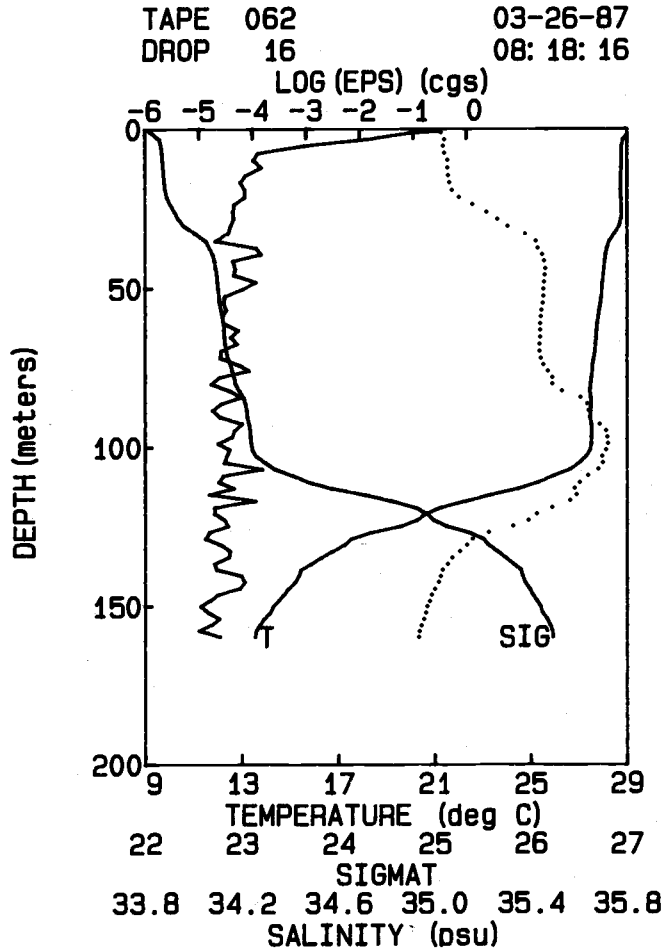
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 062
DROP 15
03-26-87
08: 11: 16
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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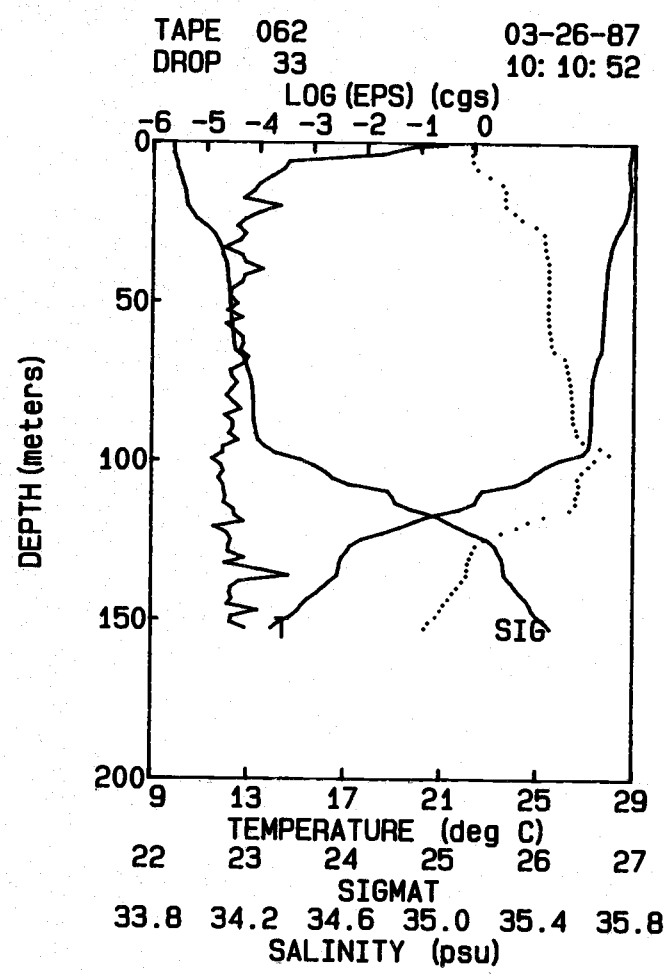
08: 18: 16
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 33
03-26-87
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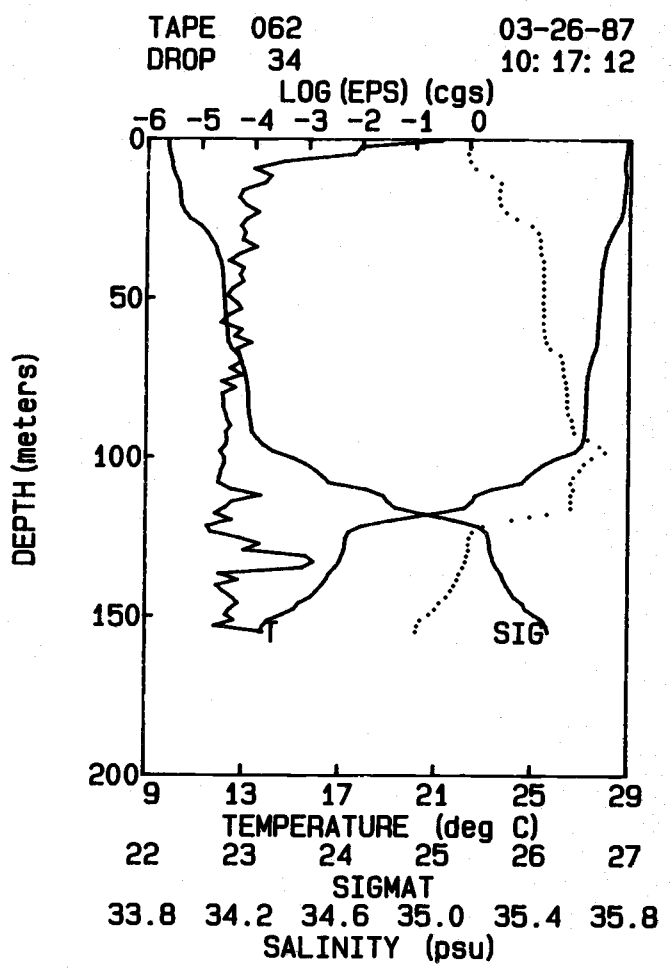
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-26-87
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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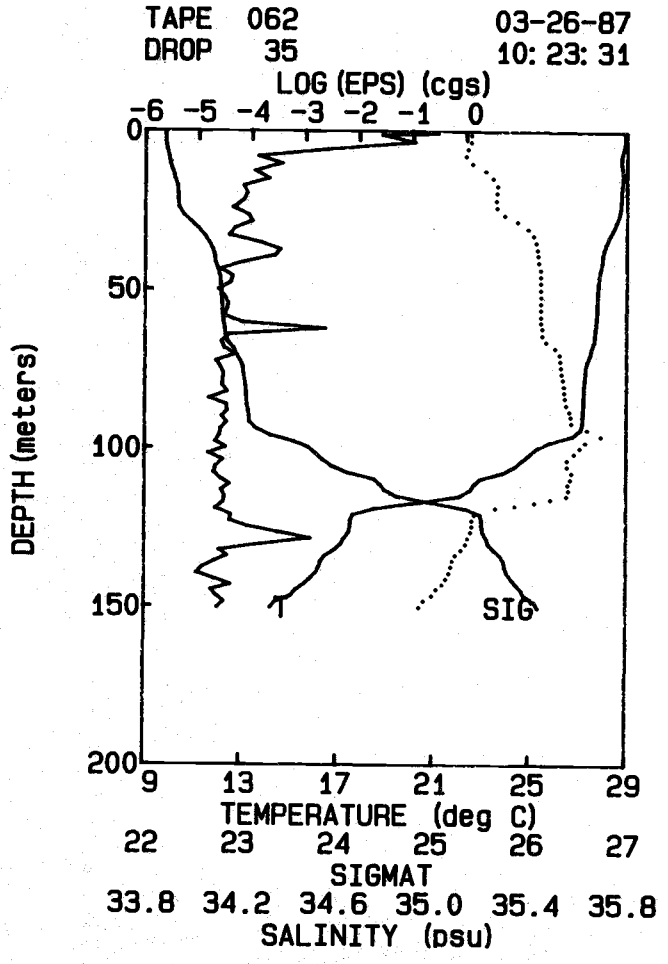
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 35
03-26-87
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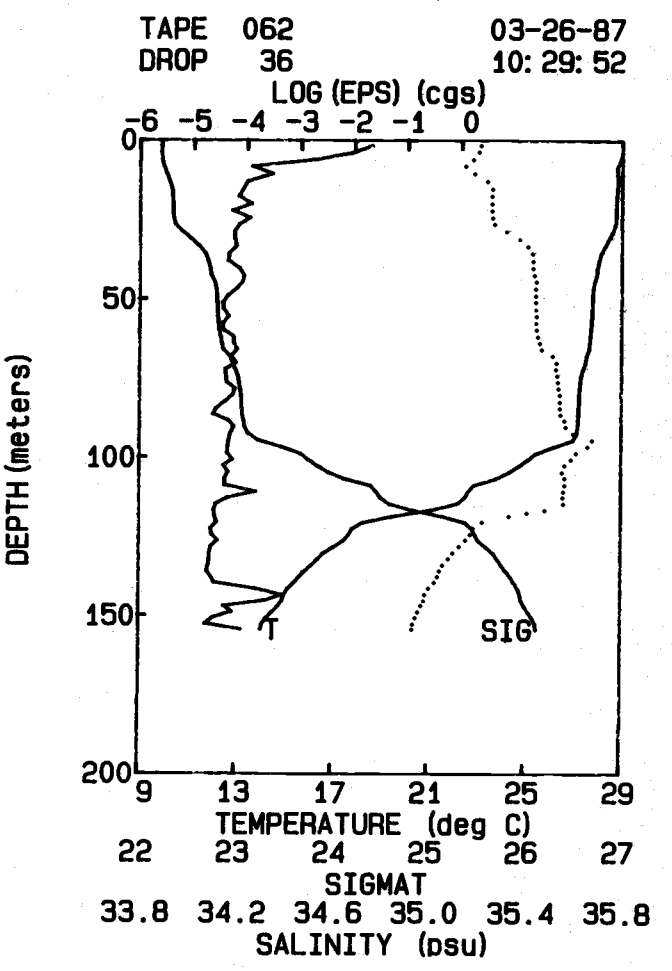
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
SIG
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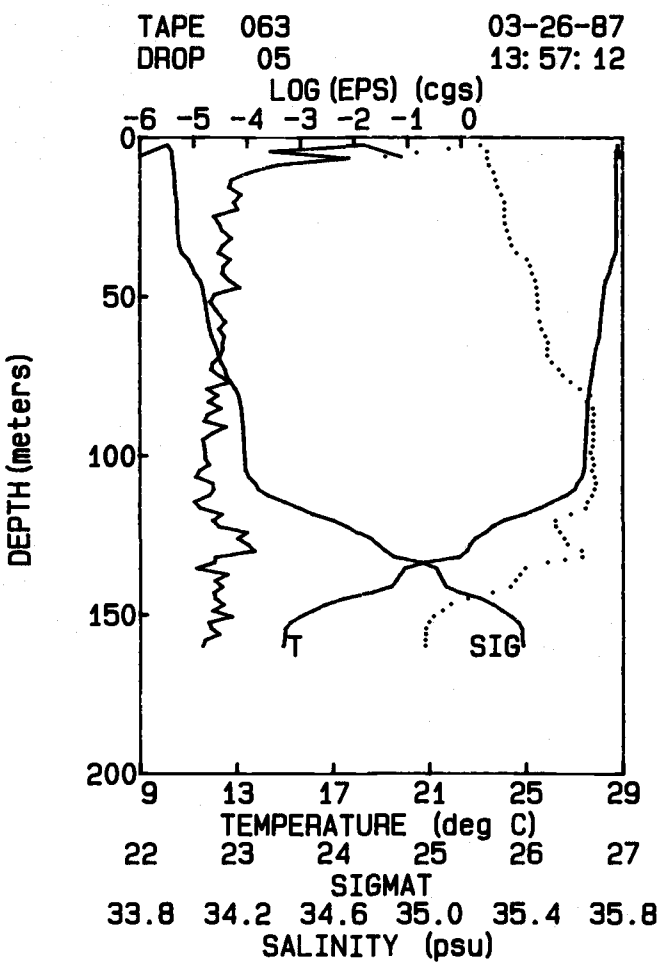
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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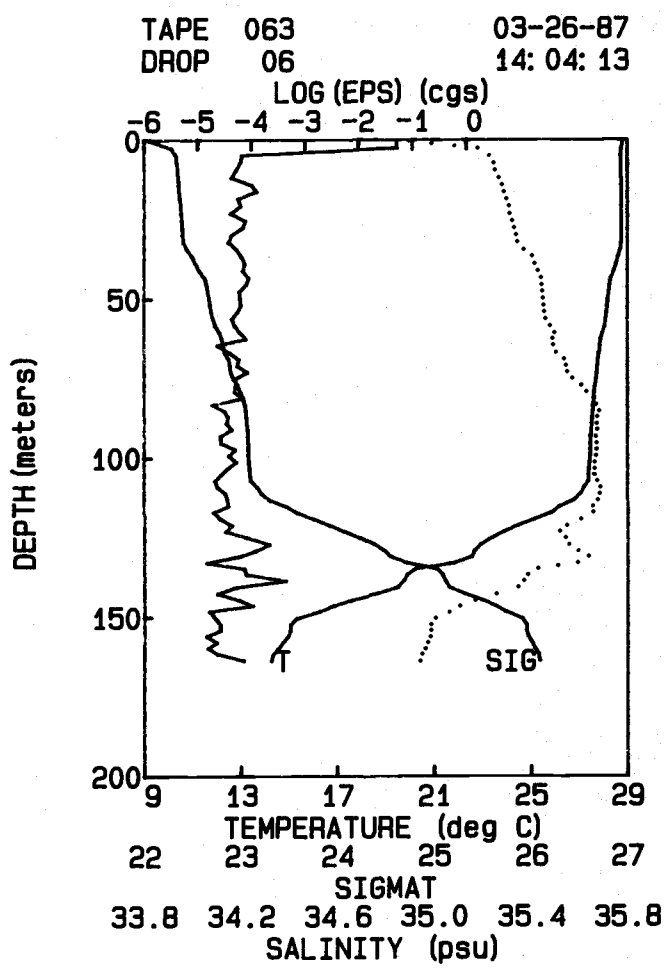
DROP 05
03-26-87
13: 57: 12
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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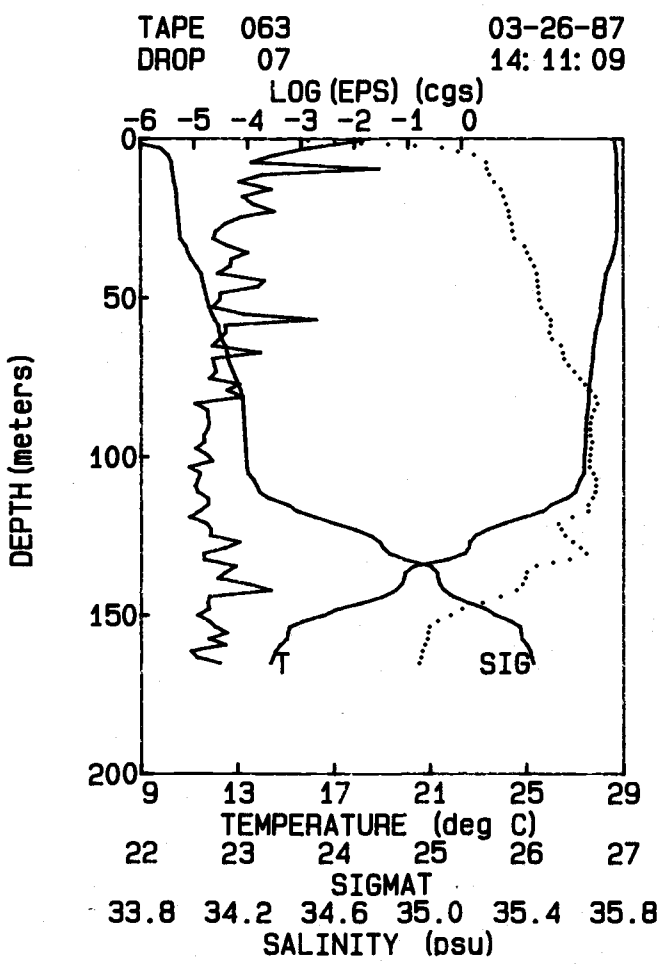
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 07
03-26-87
14: 11: 09
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
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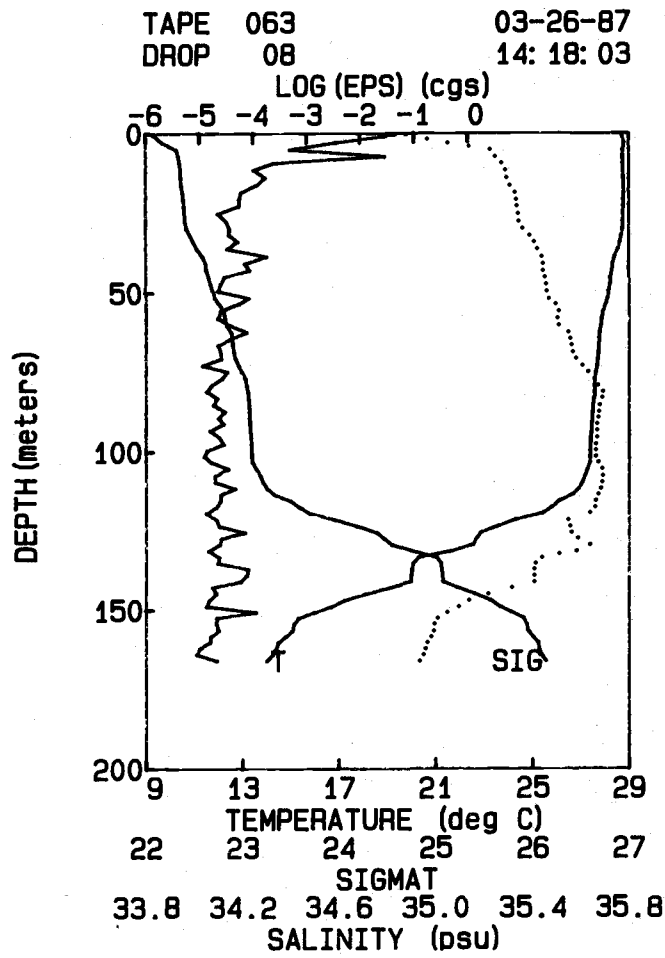
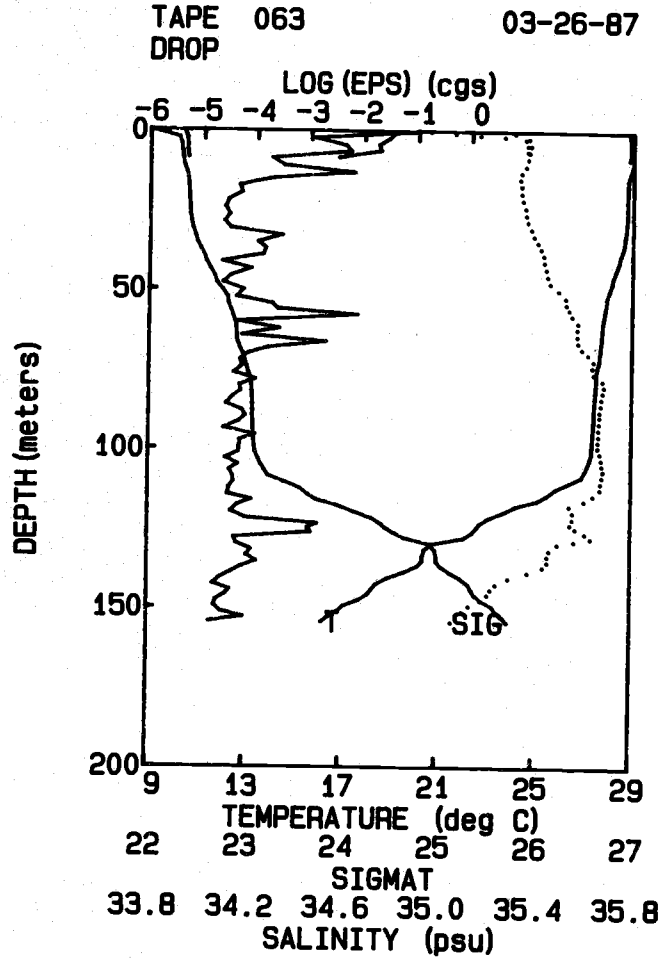
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 063
DROP 08
03-26-87
14: 18: 03
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP
03-26-87
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
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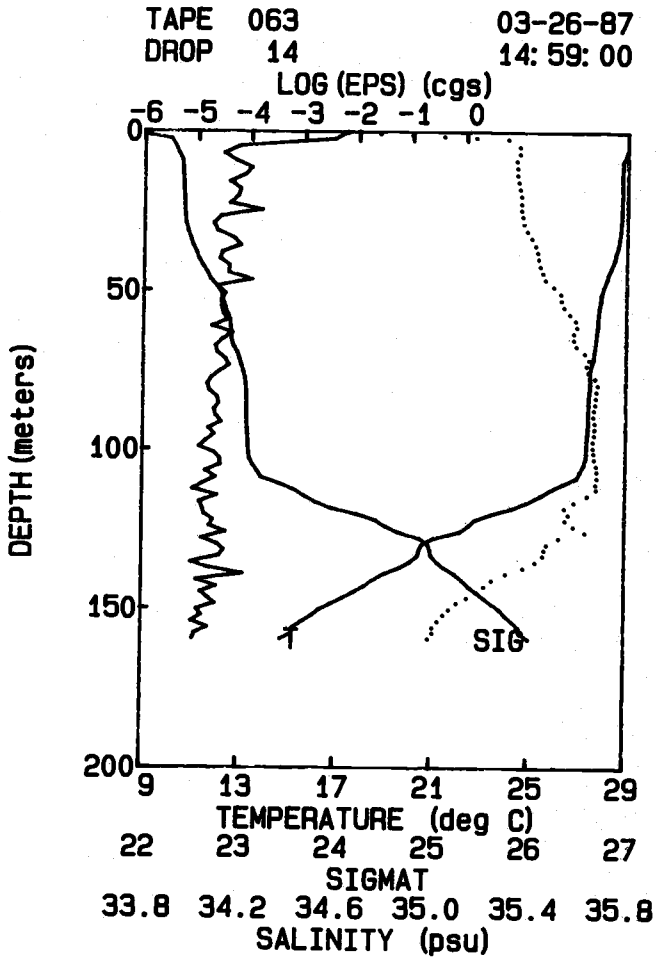
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DROP 14
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LOG (EPS) (cgs)
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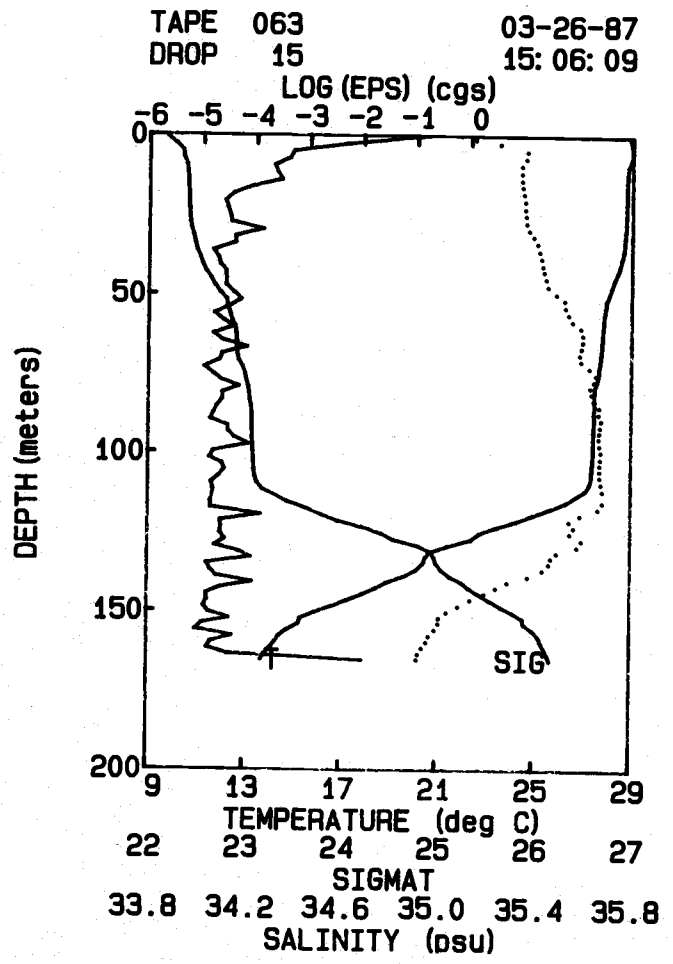
DEPTH (meters)
0
50
100
150
200
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 063
DROP 15
03-26-87
15: 06: 09
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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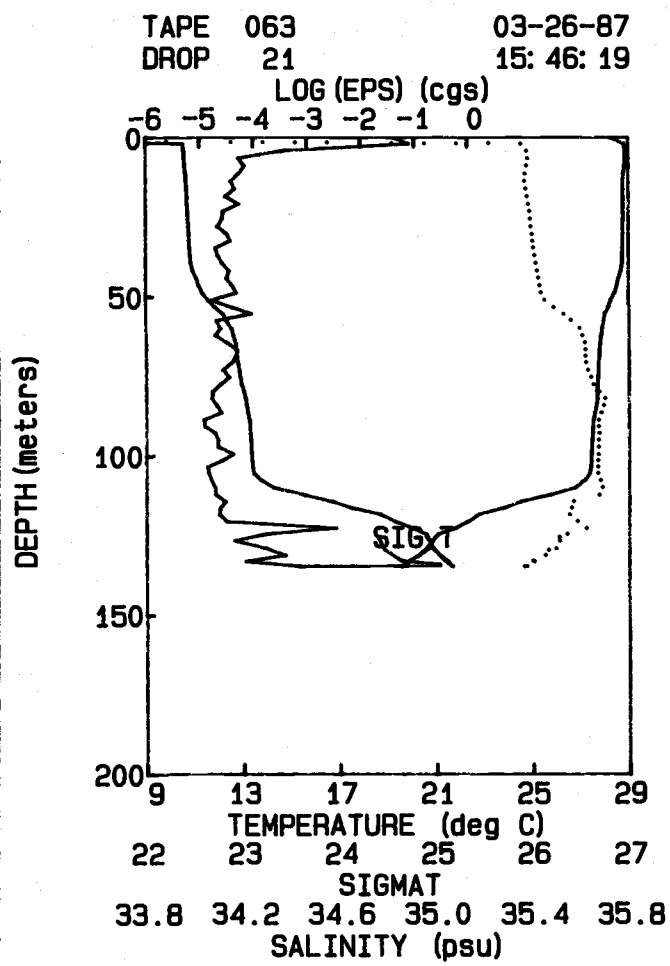
SALINITY (psu)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DROP 21
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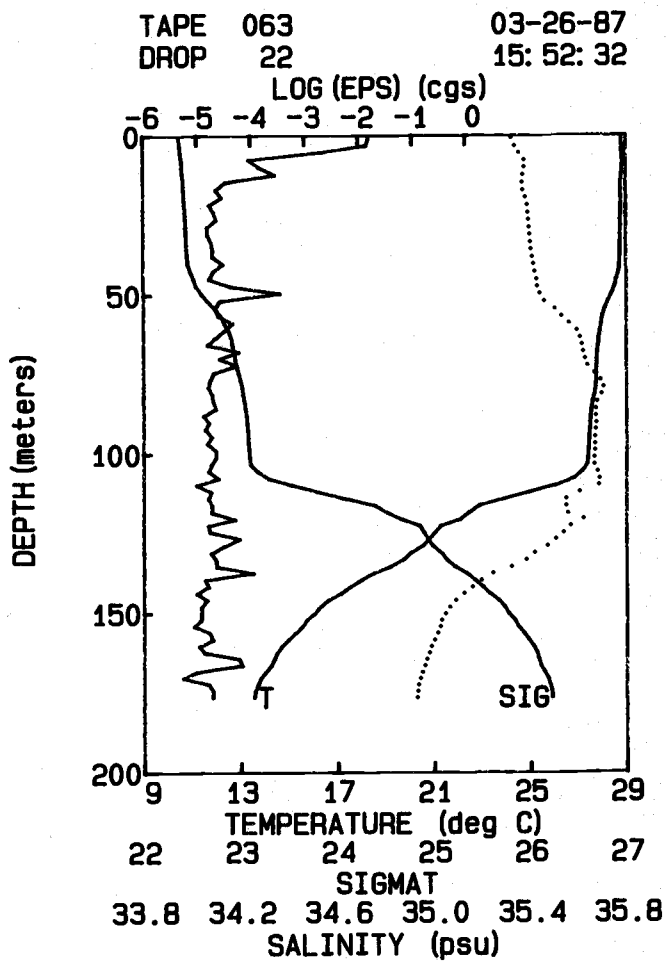
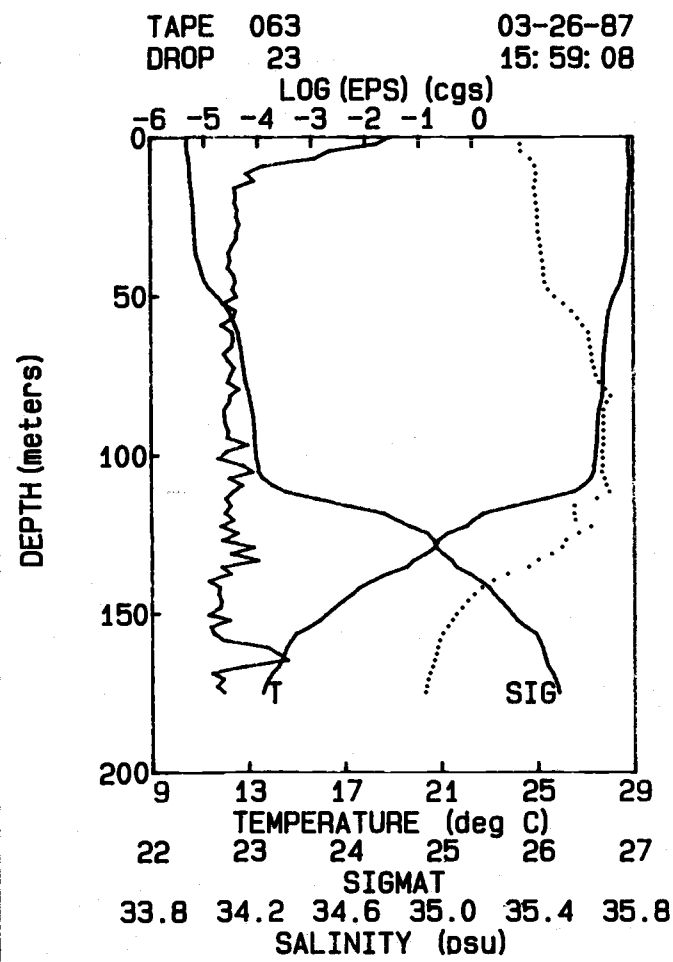
15: 46: 19
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIGT
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 063
DROP 22
03-26-87
15: 52: 32
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 063
DROP 23
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15: 59: 08
LOG (EPS) (cgs)
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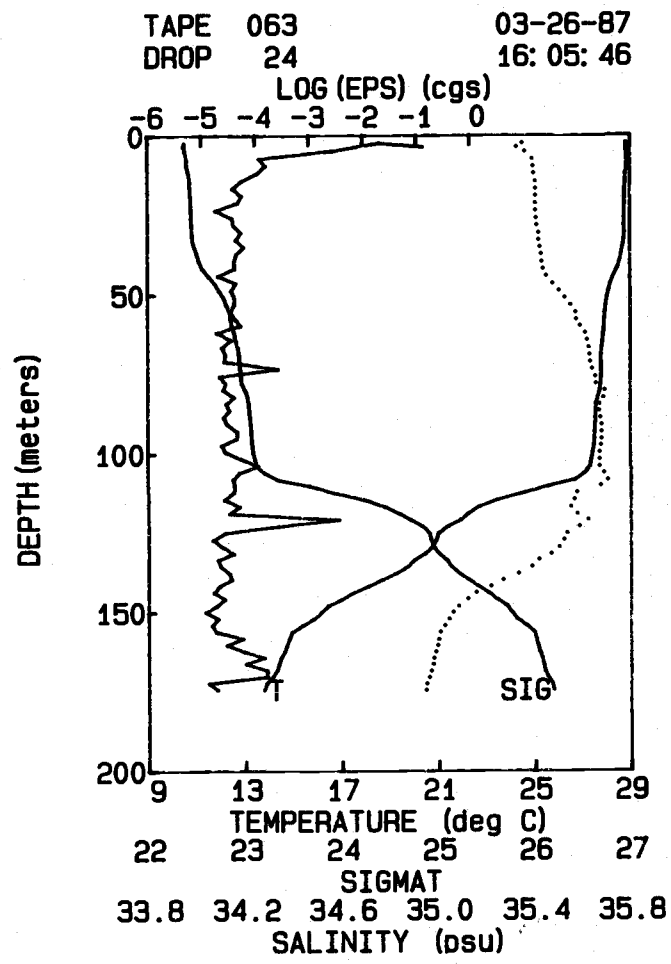
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)


TAPE 063
DROP 24
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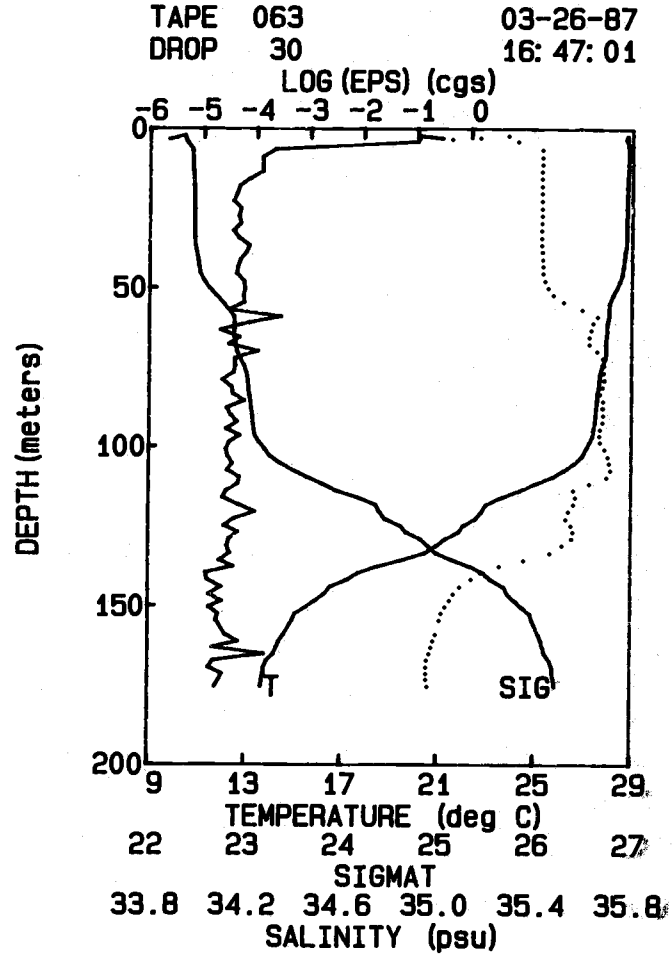
16: 05: 46
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-26-87
16: 47: 01
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
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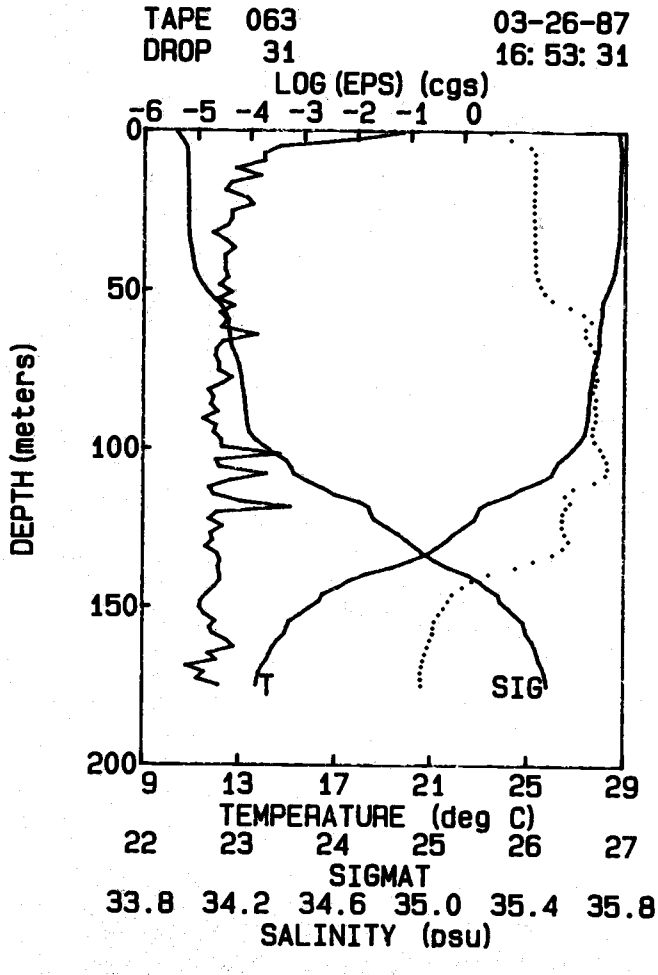
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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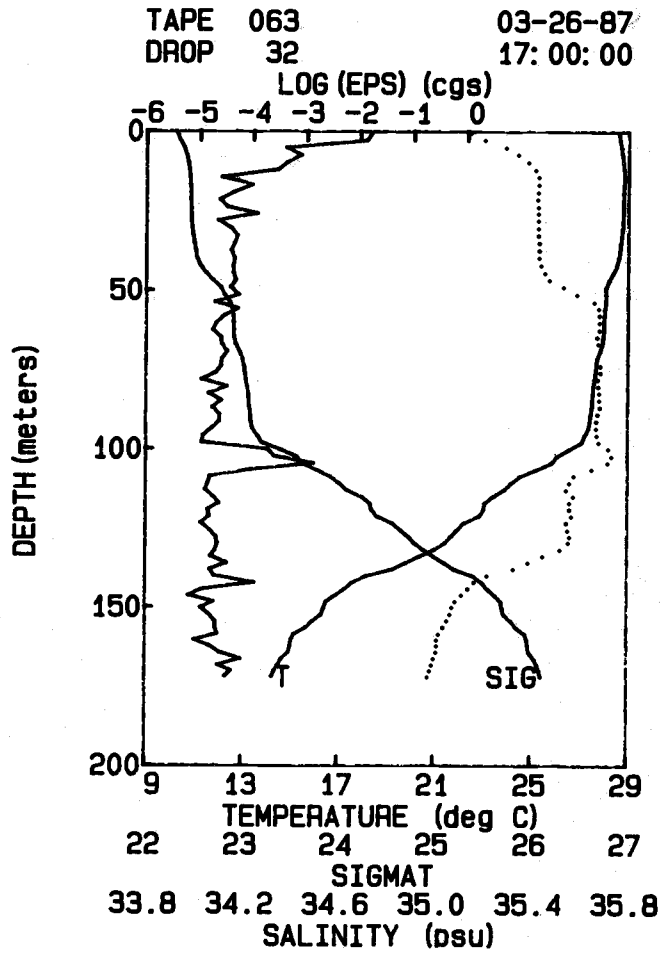
03-26-87
16: 53: 31
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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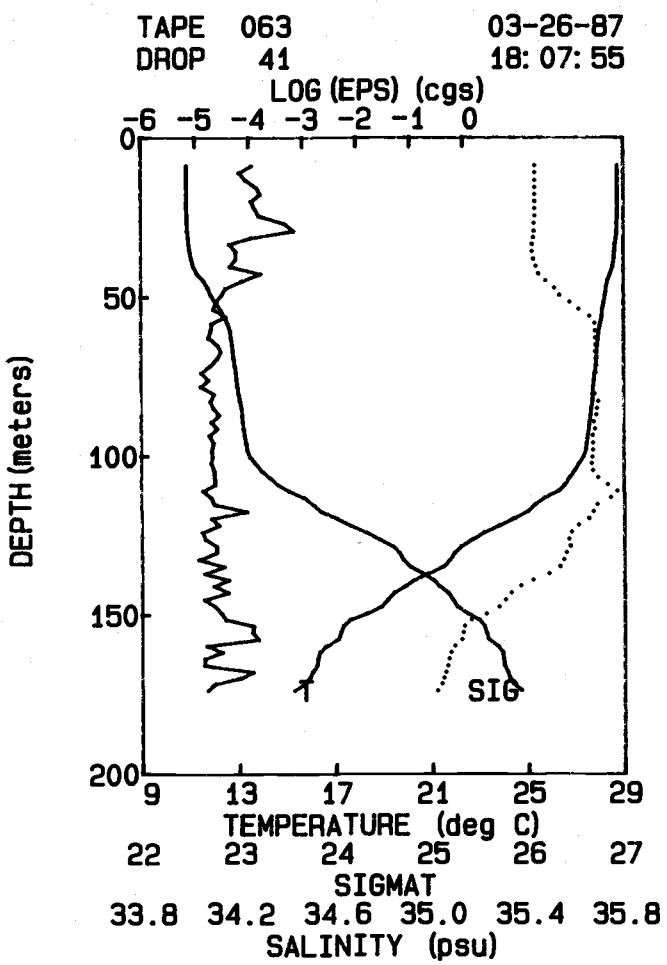
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-26-87
18: 07: 55
LOG (EPS) (cgs)
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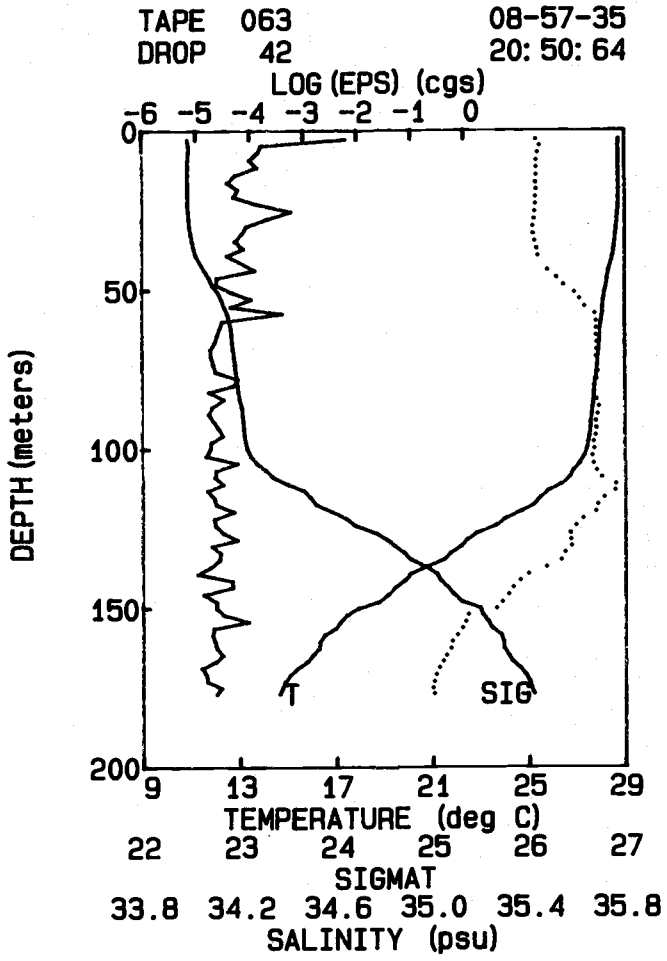
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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08-57-35
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DEPTH (meters)
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50
100
150
200
T
SIG
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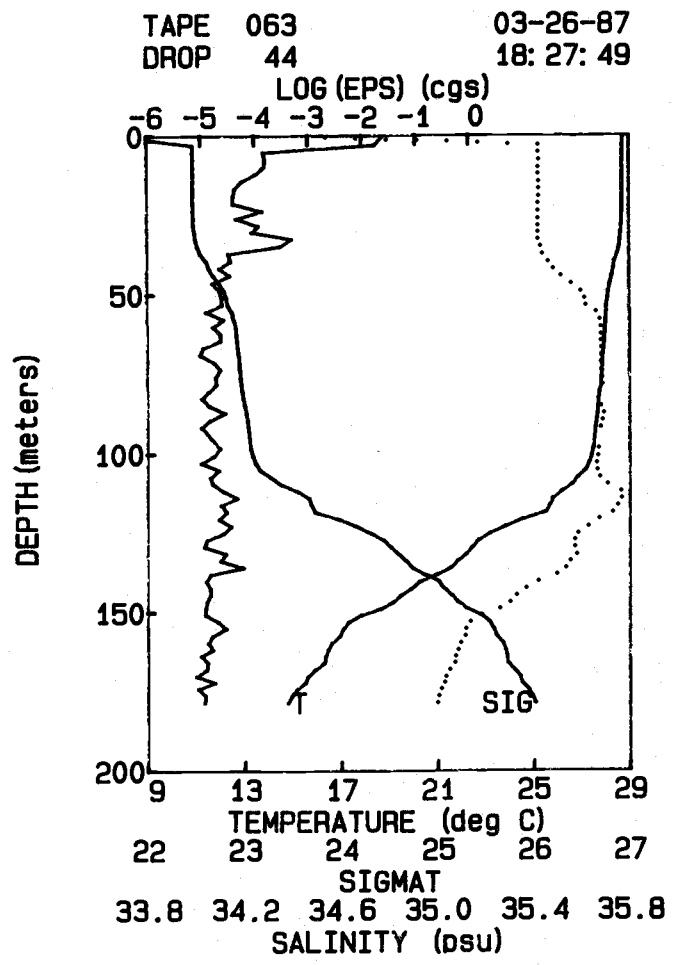
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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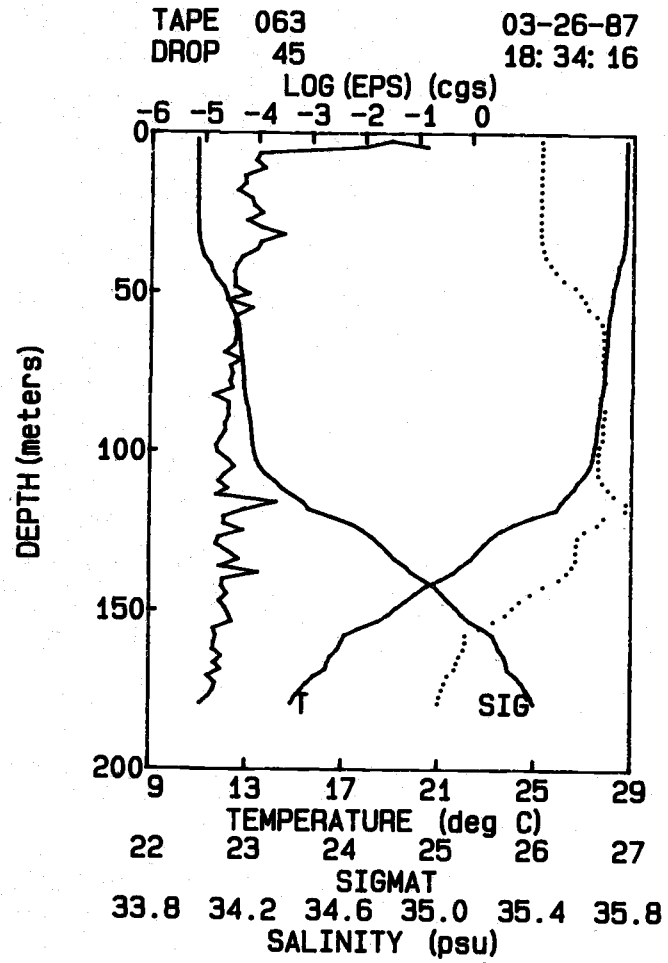
DROP 44
03-26-87
18: 27: 49
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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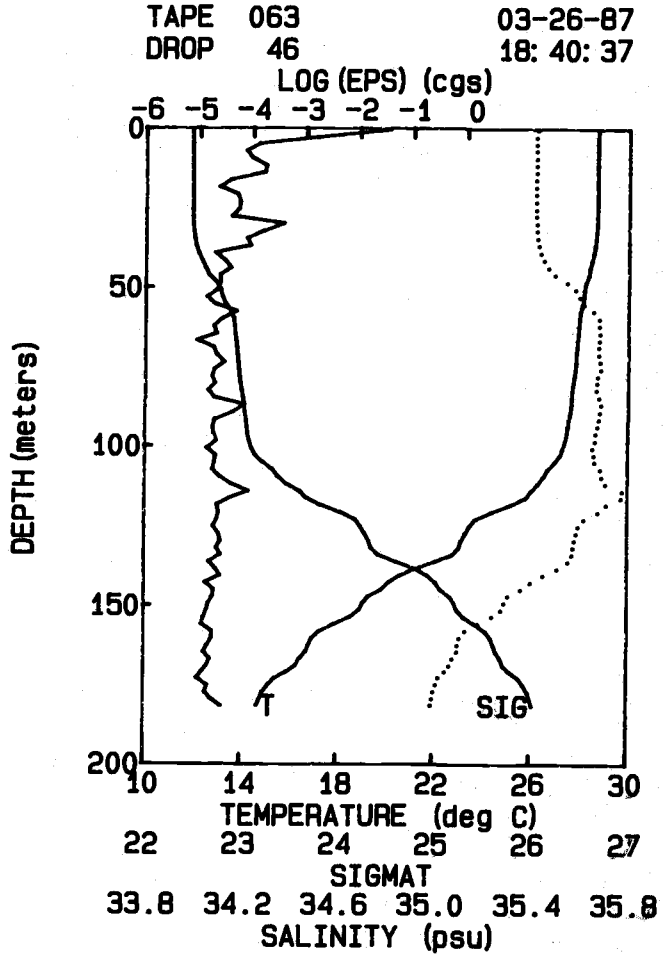
DROP 45
03-26-87
18: 34: 16
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
9 13 17 21 25 29
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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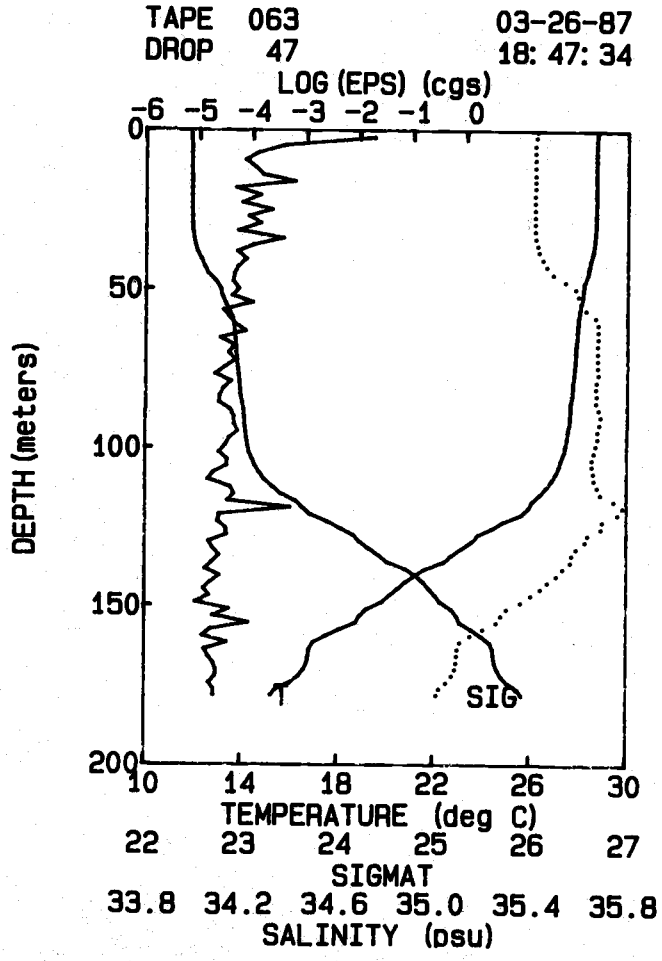
03-26-87
18: 40: 37
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
10 14 18 22 26 30
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-26-87
18: 47: 34
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DEPTH (meters)
0
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100
150
200
T
SIG
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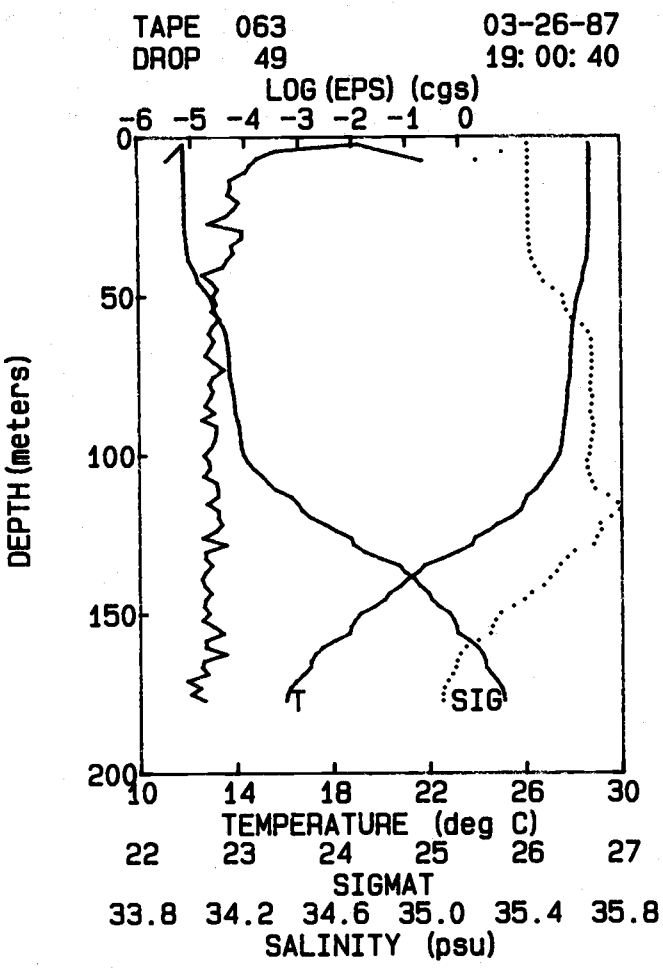
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-26-87
19: 00: 40
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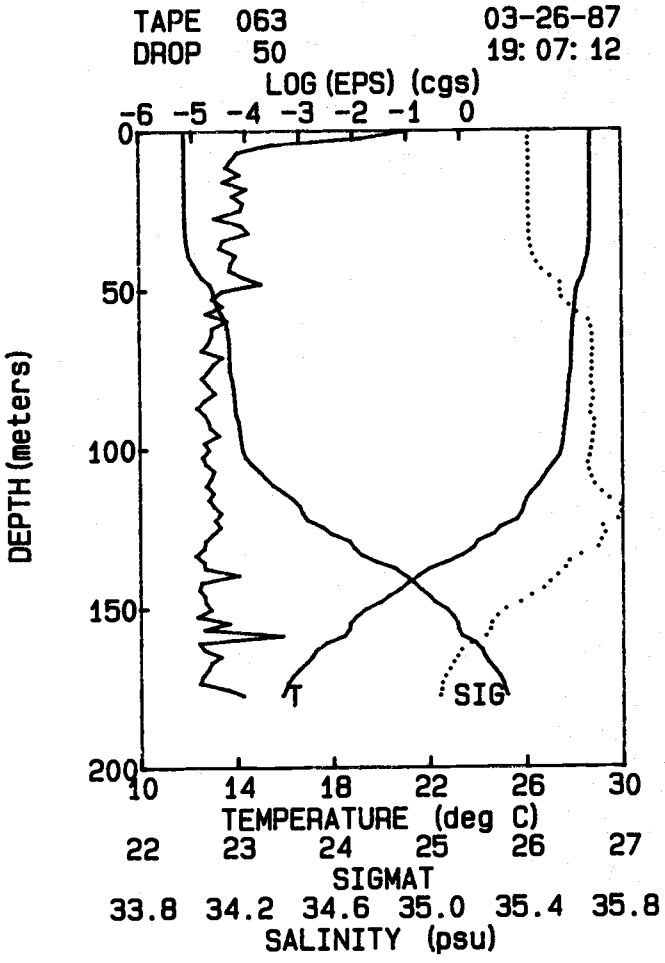
DEPTH (meters)
0
50
100
150
200
T
SIG
10 14 18 22 26 30
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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03-26-87
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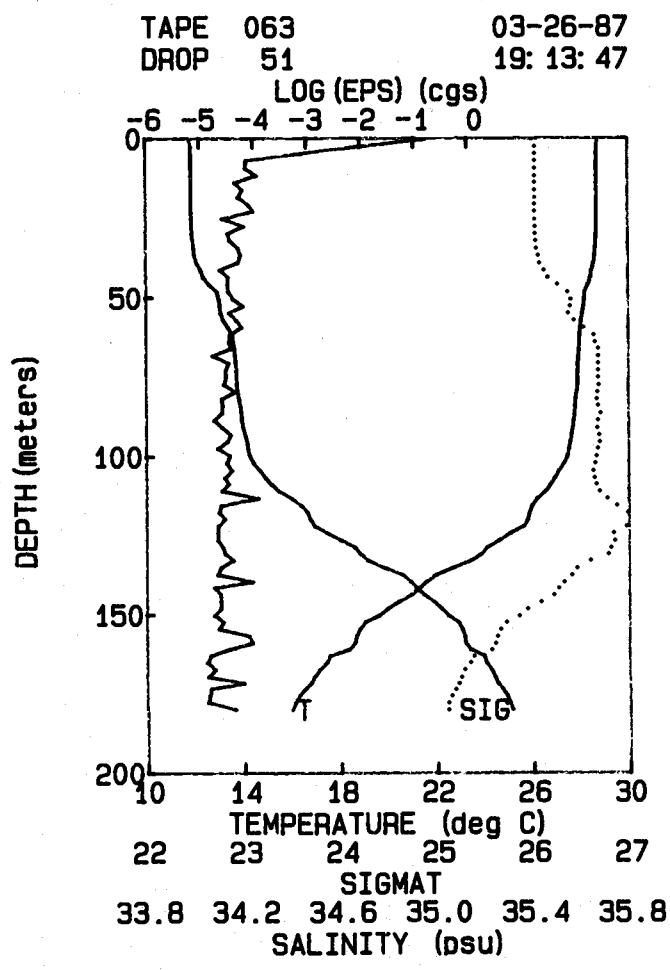
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
10 14 18 22 26 30
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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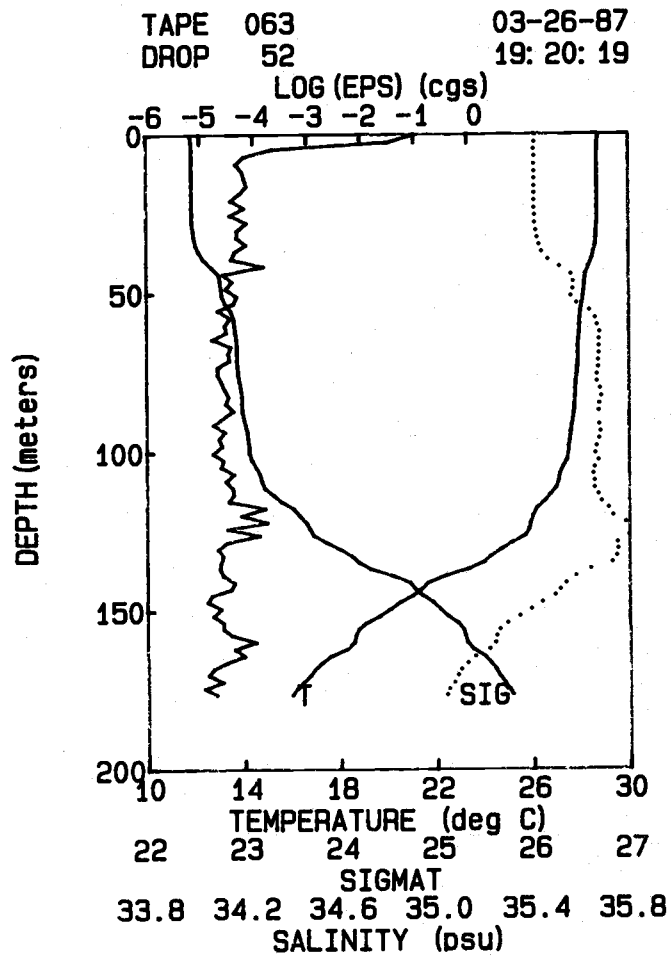
DEPTH (meters)
0
50
100
150
200
T
SIG
10 14 18 22 26 30
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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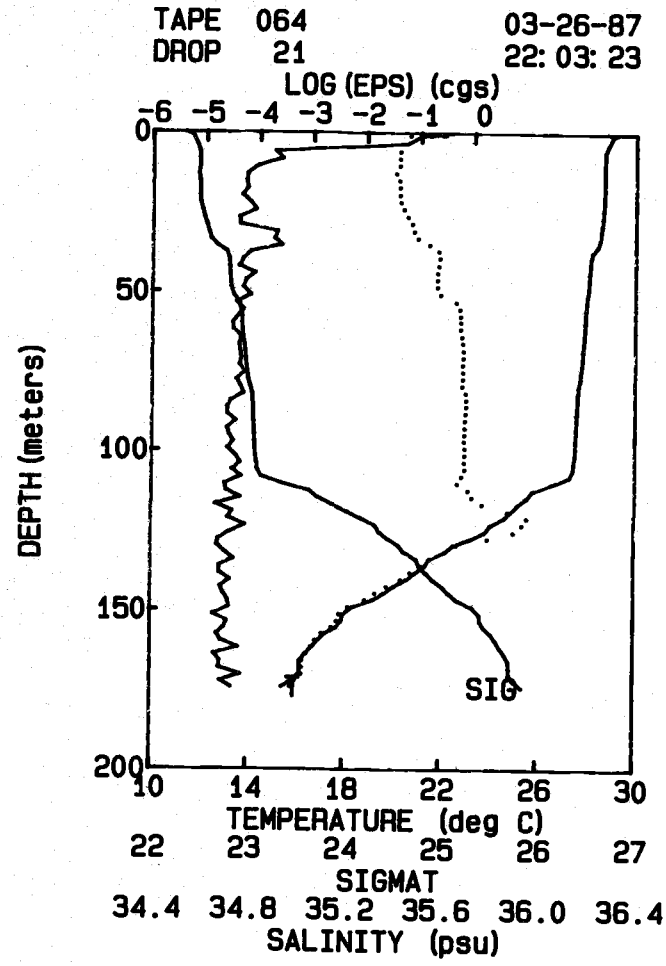
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
33.8 34.2 34.6 35.0 35.4 35.8
SALINITY (psu)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DEPTH (meters)
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50
100
150
200
SIG
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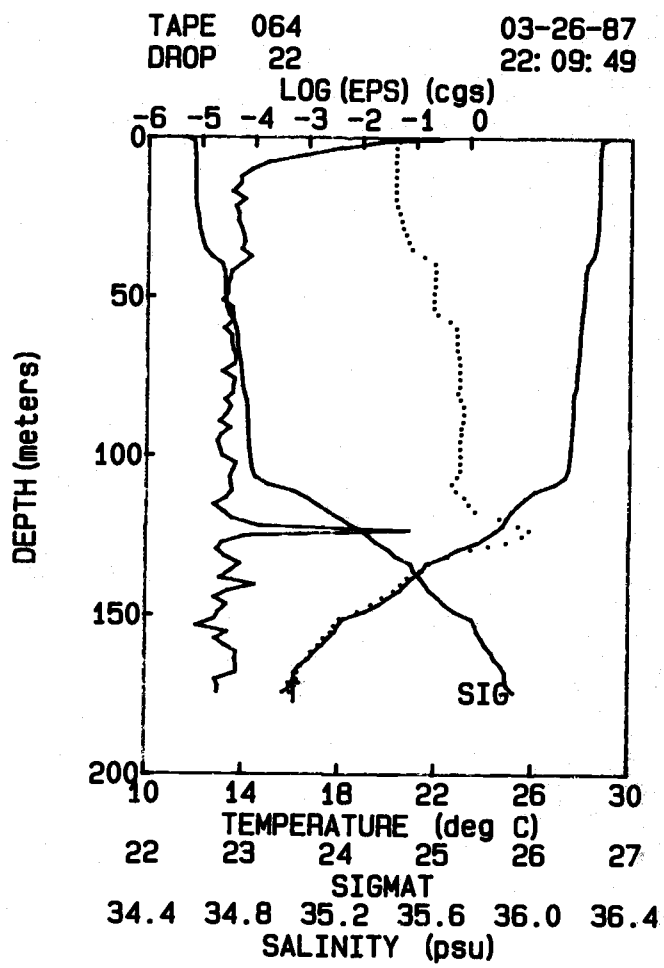
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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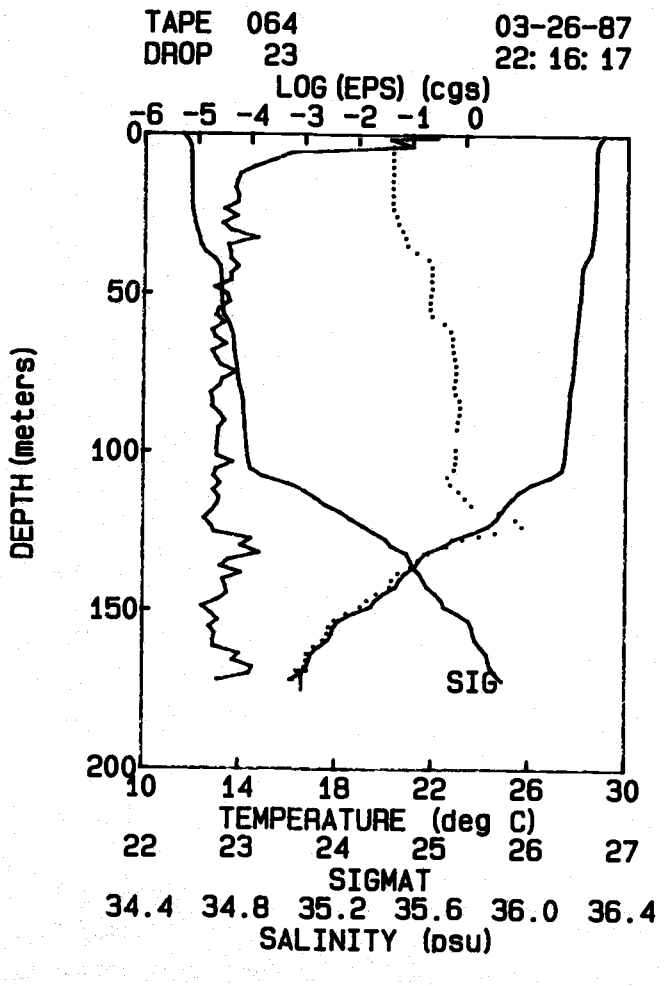
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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0
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100
150
200
SIG
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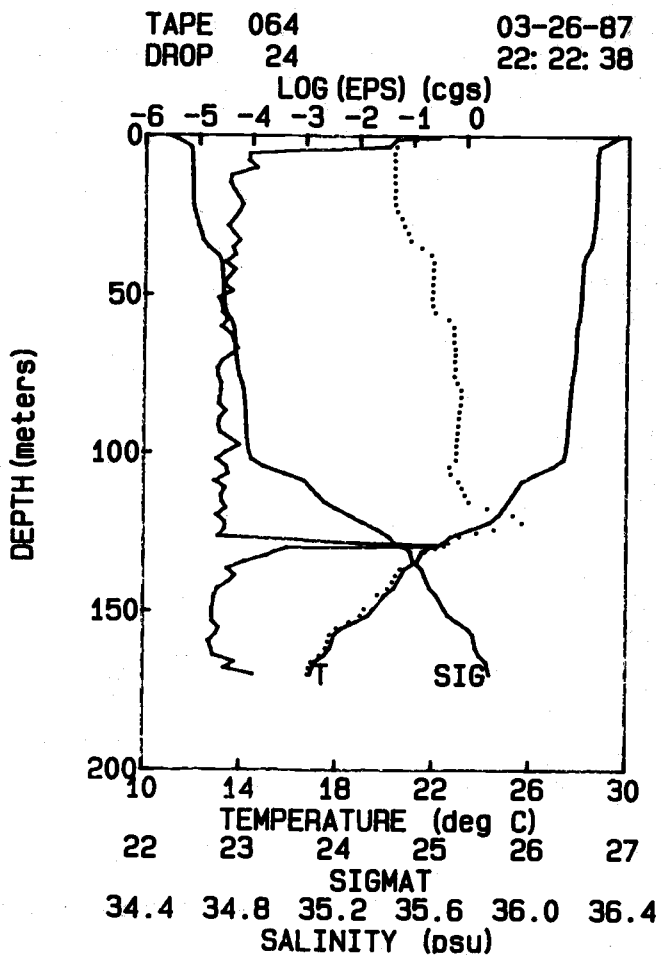
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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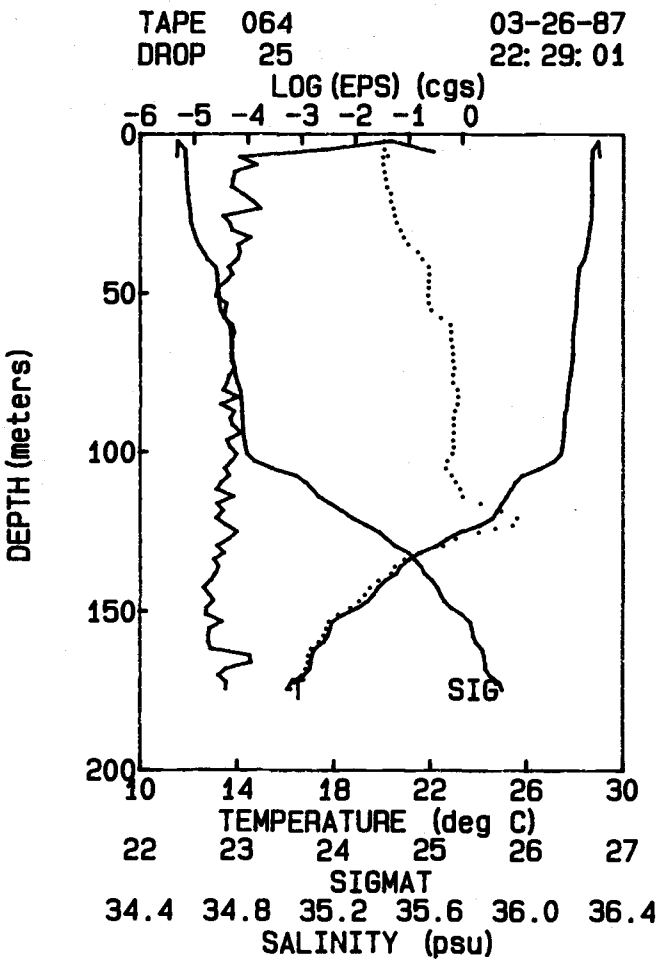
DEPTH (meters)
0
50
100
150
200
T
SIG
10 14 18 22 26 30
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
T
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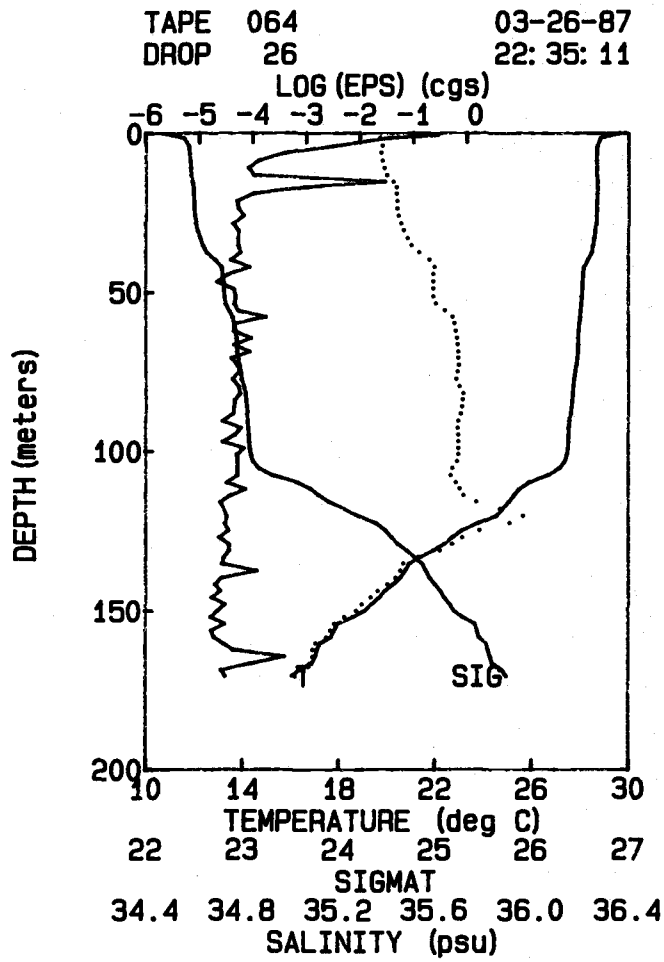
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
T
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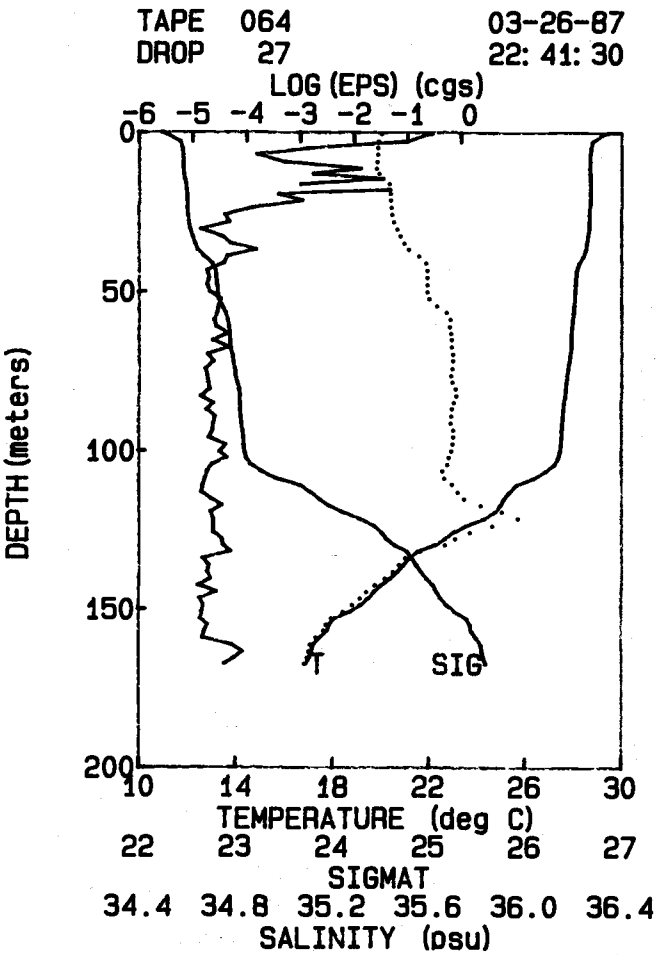
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIG
T
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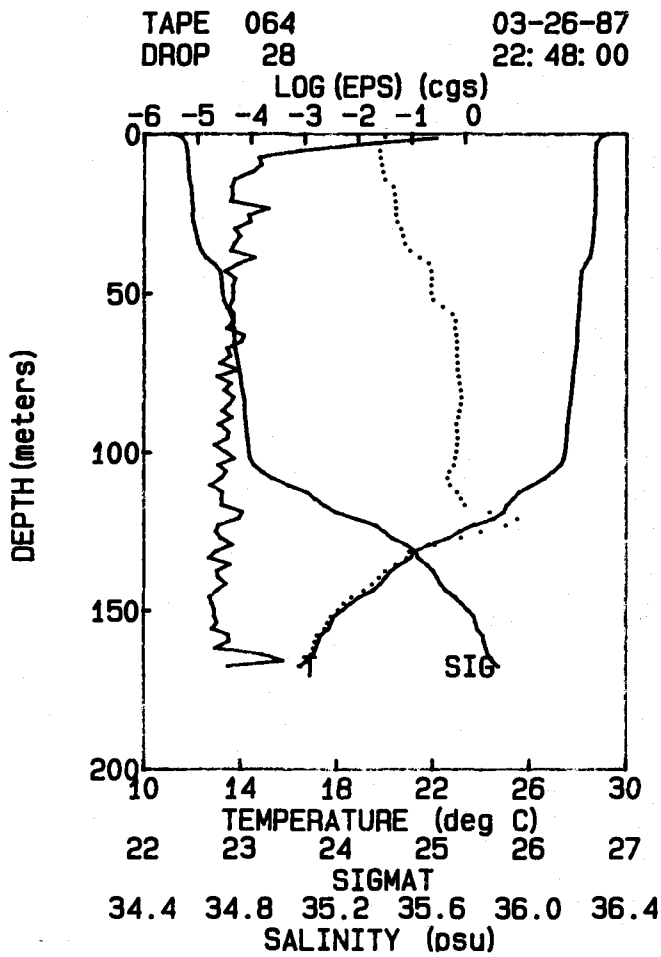
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
T
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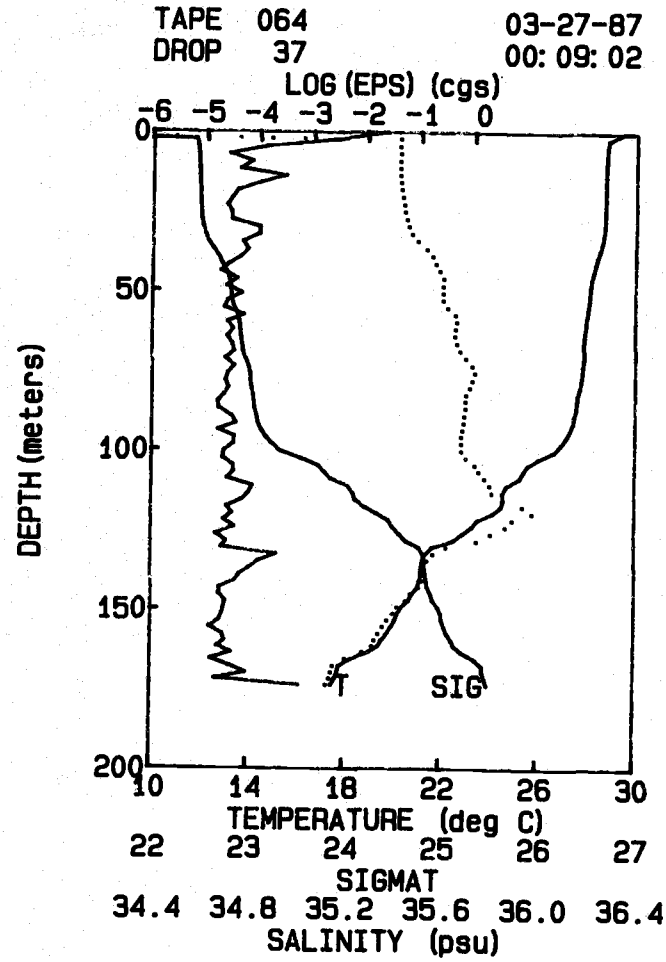
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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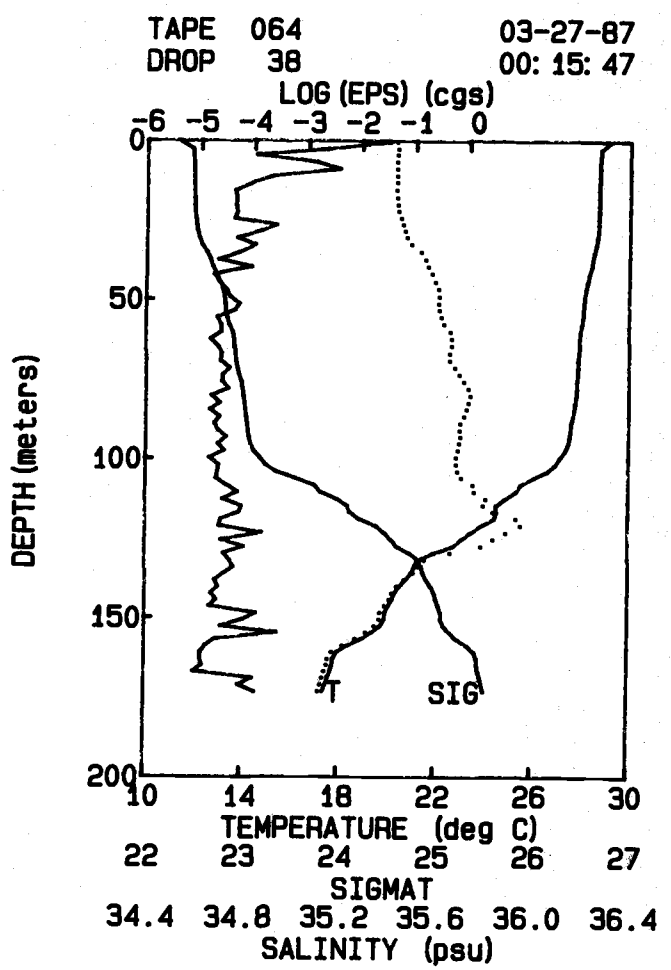
DEPTH (meters)
0
50
100
150
200
T
SIG
10 14 18 22 26 30
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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DROP 38
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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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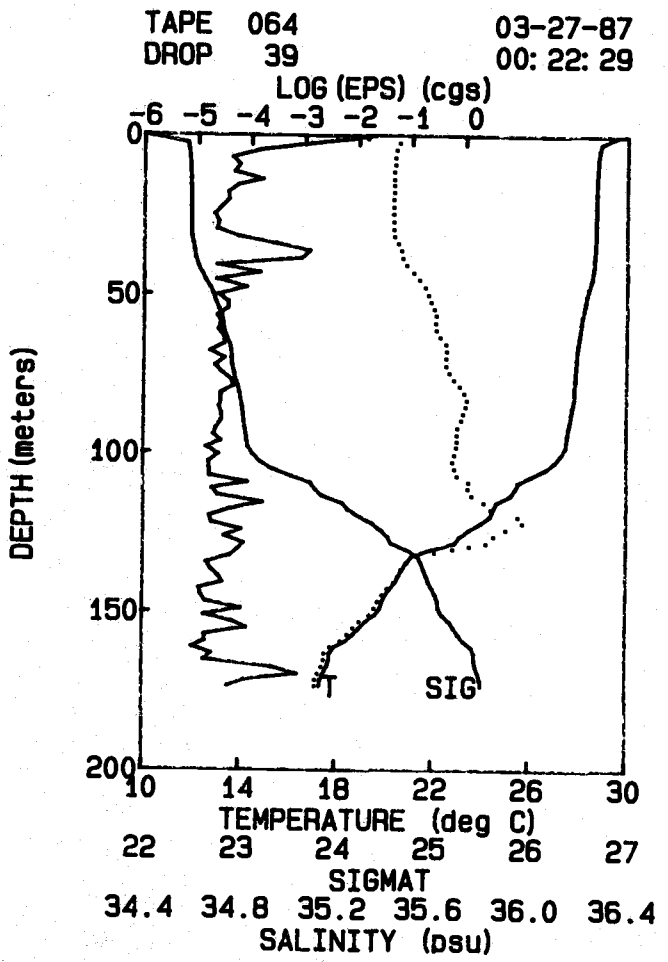
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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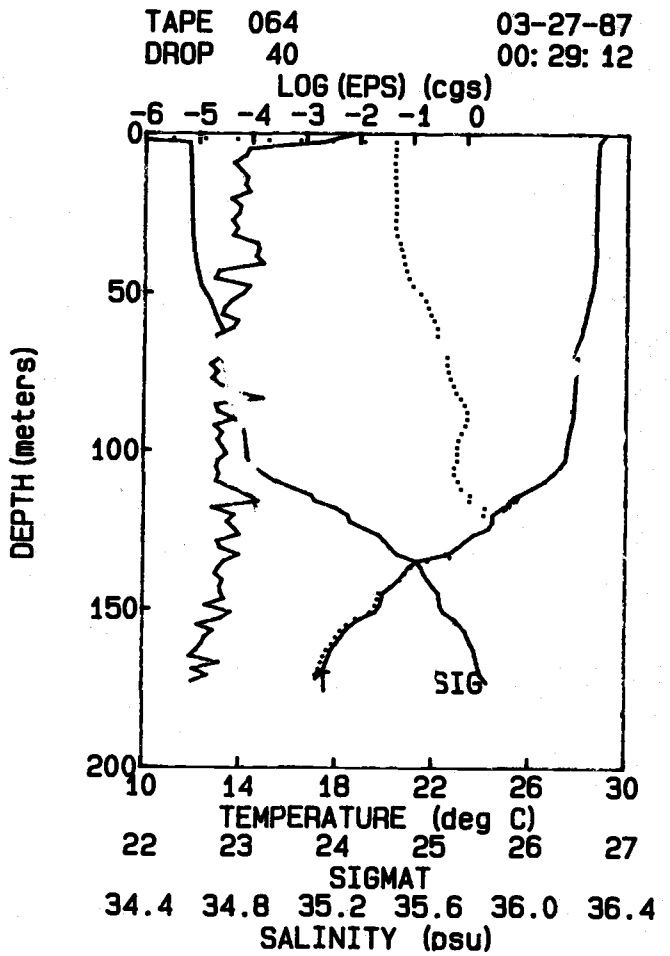
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
T
SIG
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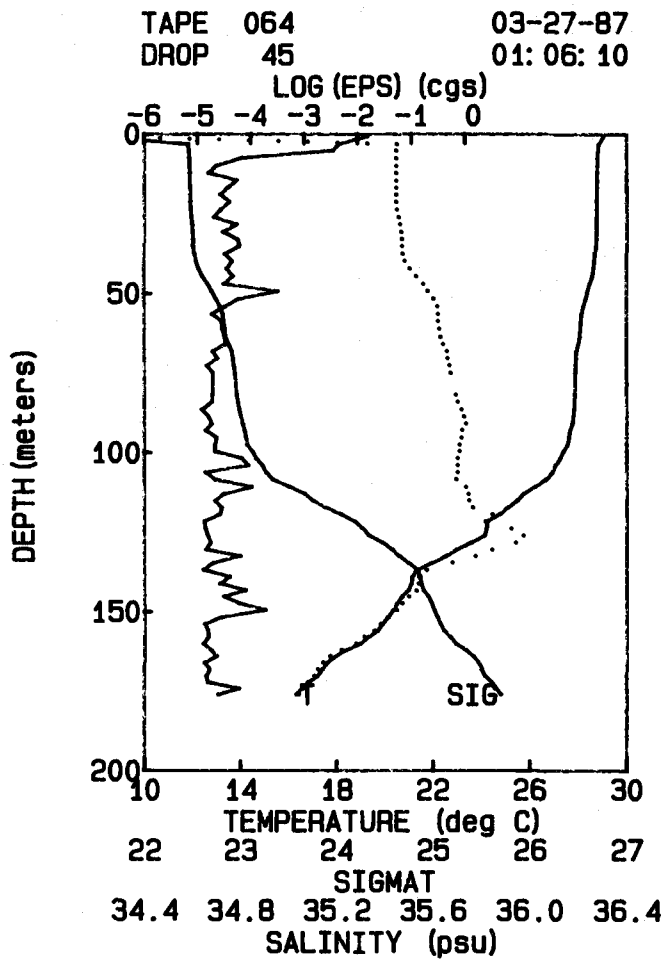
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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50
100
150
200
SIG
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TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
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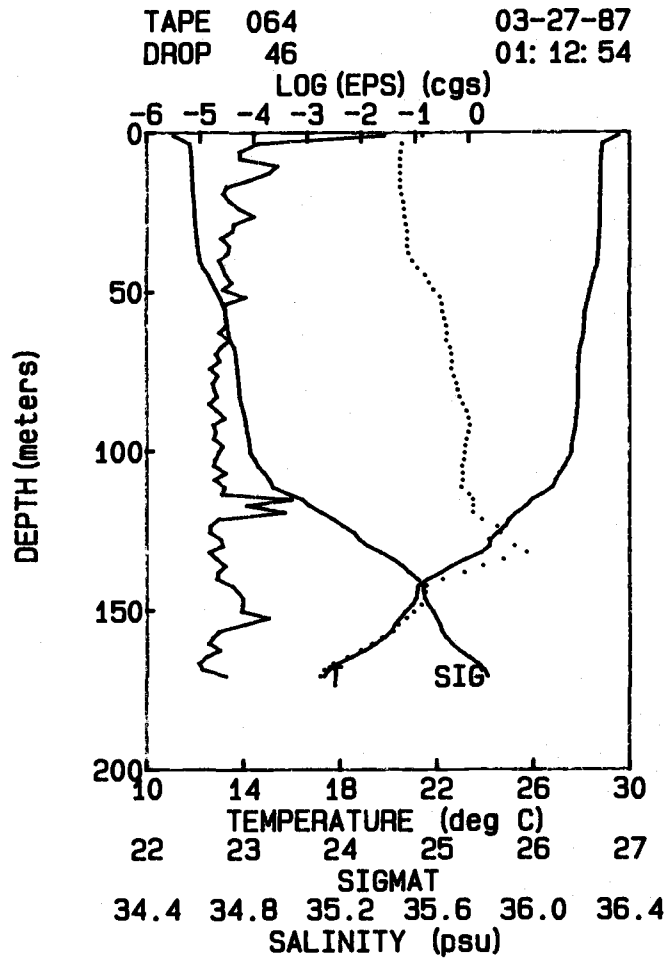
SALINITY (psu)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150
200
SIG
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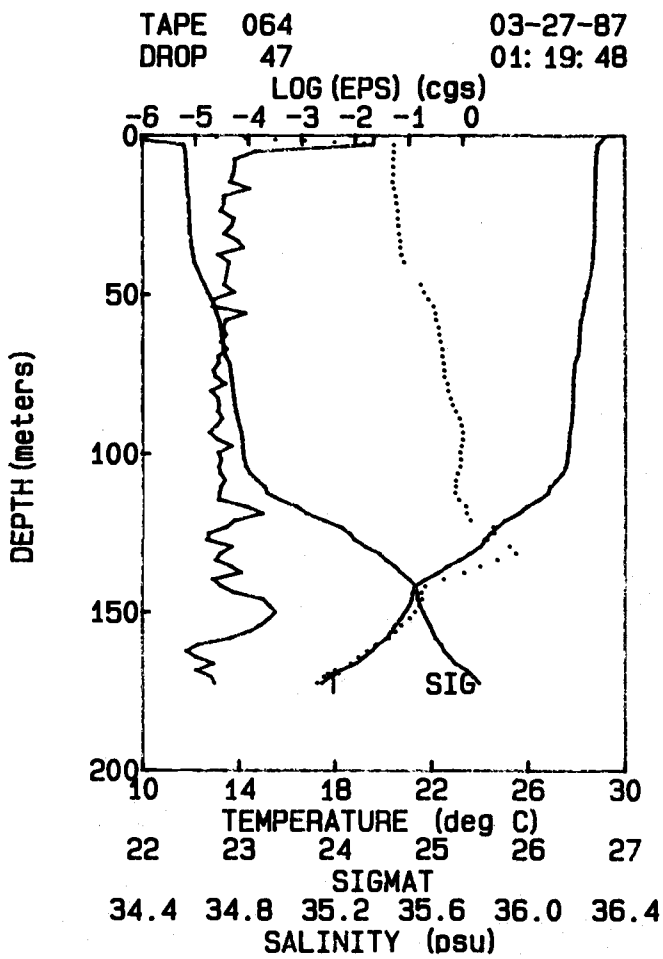
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
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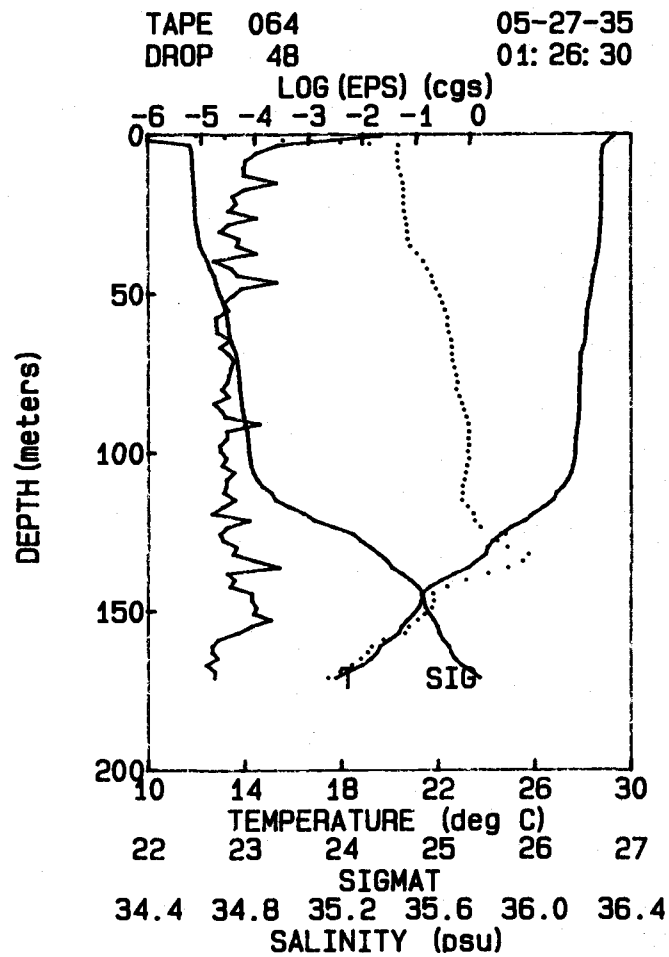
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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150
200
SIG
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22 23 24 25 26 27
SIGMAT
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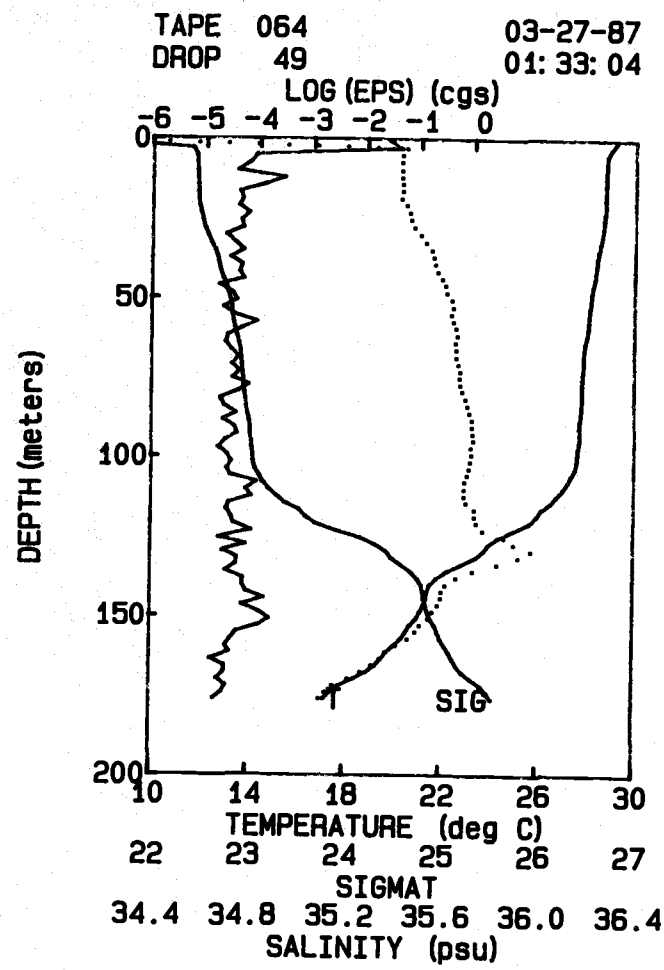
SALINITY (psu)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100
150
200
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SIGMAT
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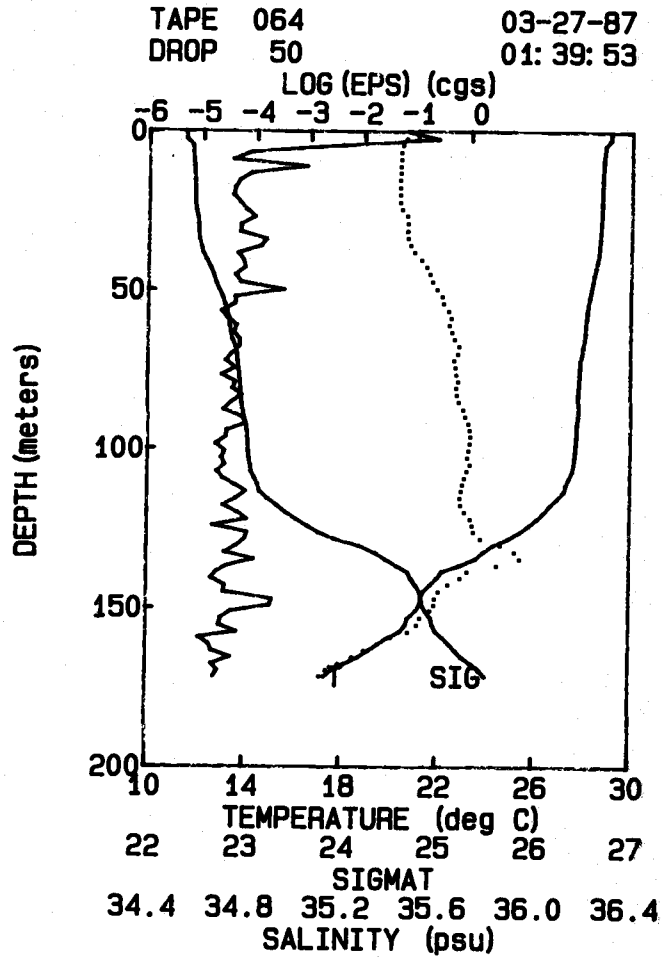
SALINITY (psu)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150
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SIG
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SIGMAT
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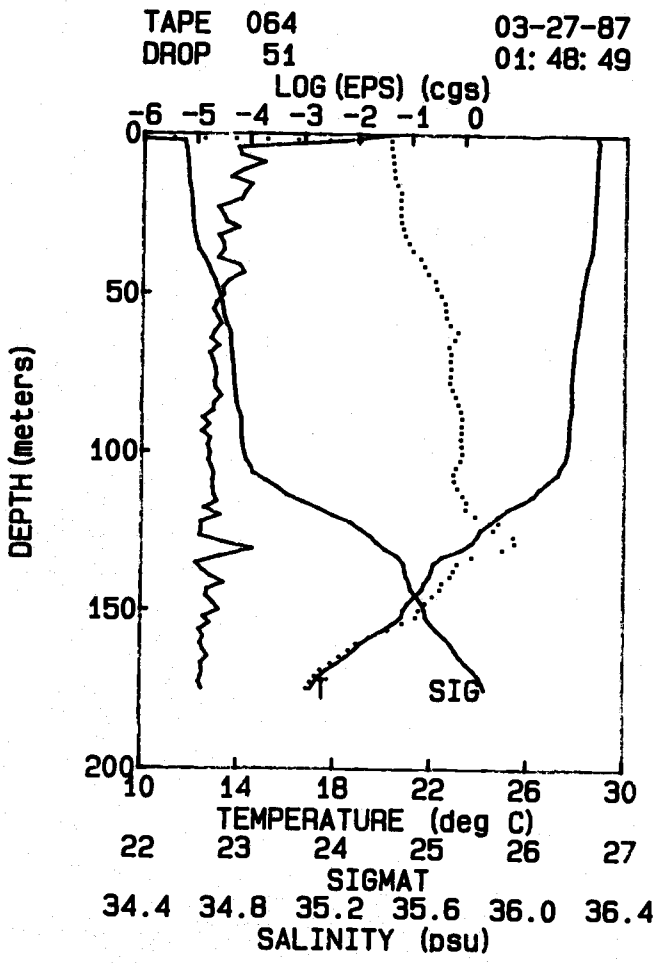
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
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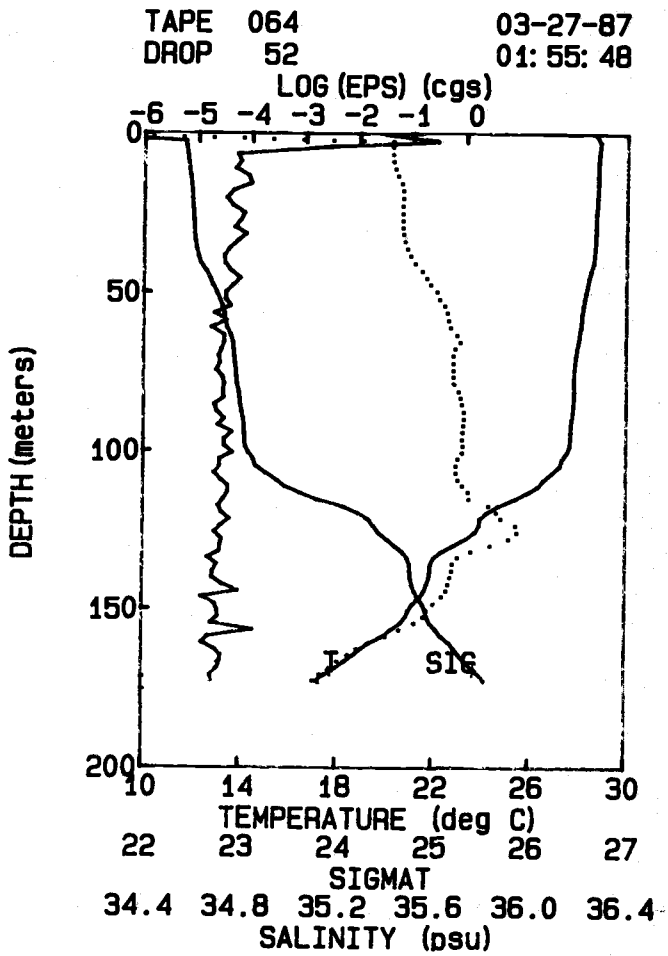
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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DEPTH (meters)
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100
150
200
SIG
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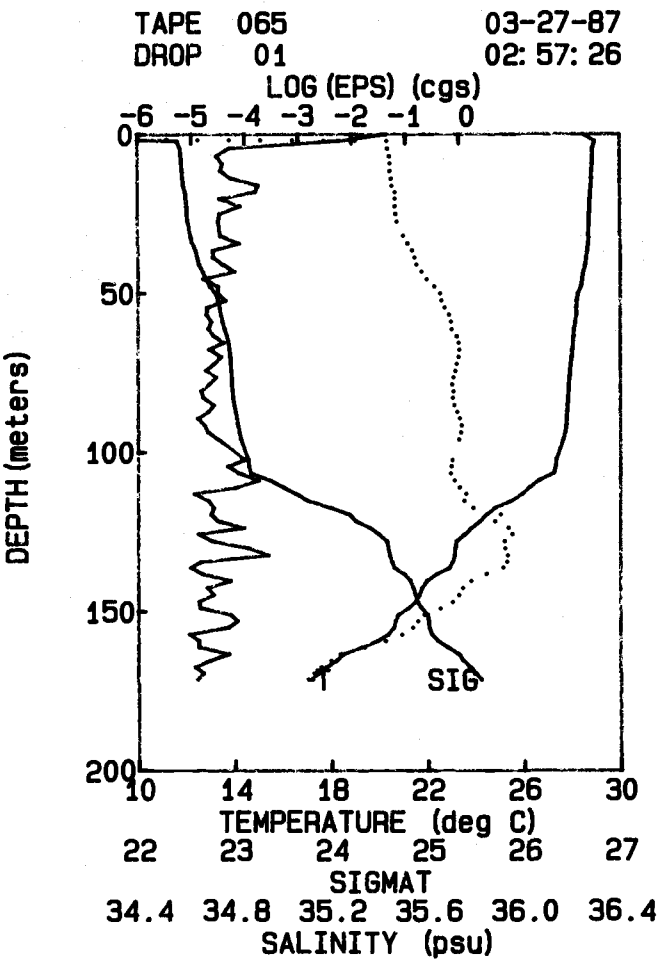
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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150
200
T
SIG
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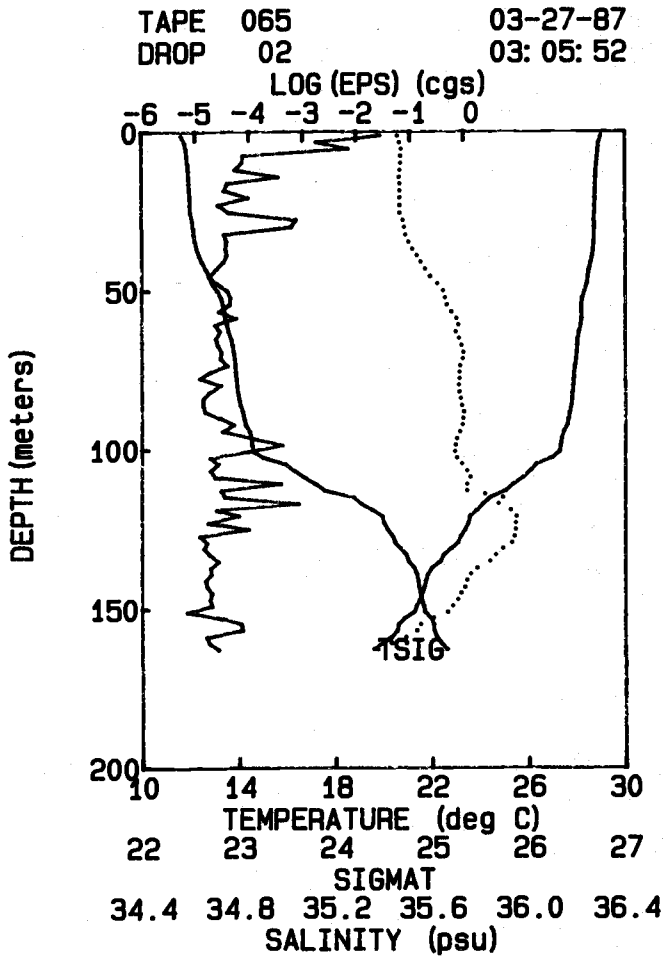
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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DEPTH (meters)
0
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100
150
200
T
SIG
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TEMPERATURE (deg C)
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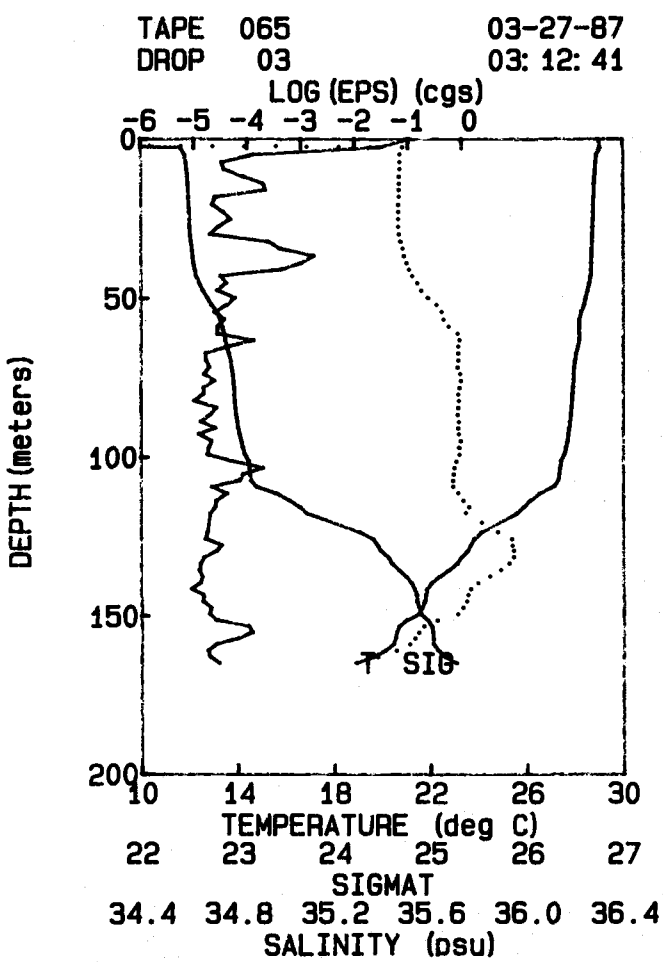
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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DEPTH (meters)
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100
150
200
T
SIG
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SIGMAT
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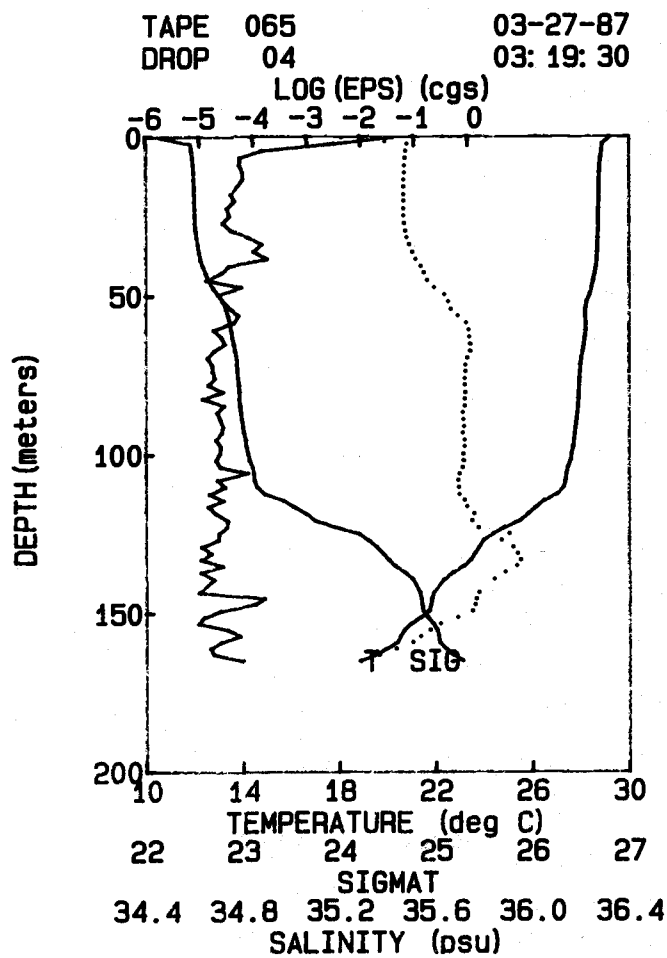
SALINITY (psu)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100
150
200
T
SIG
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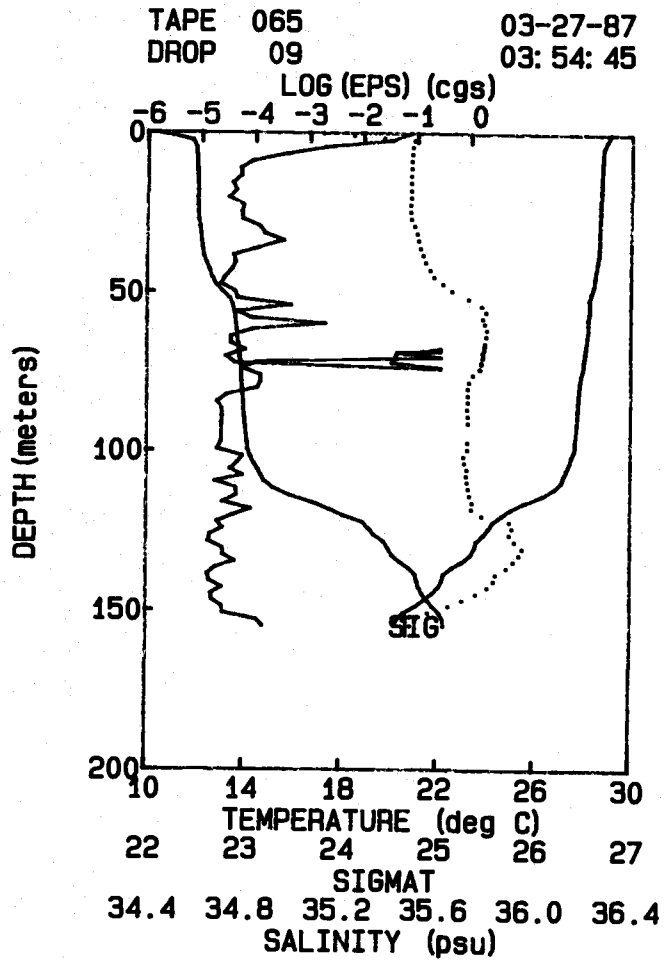
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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200
SIG
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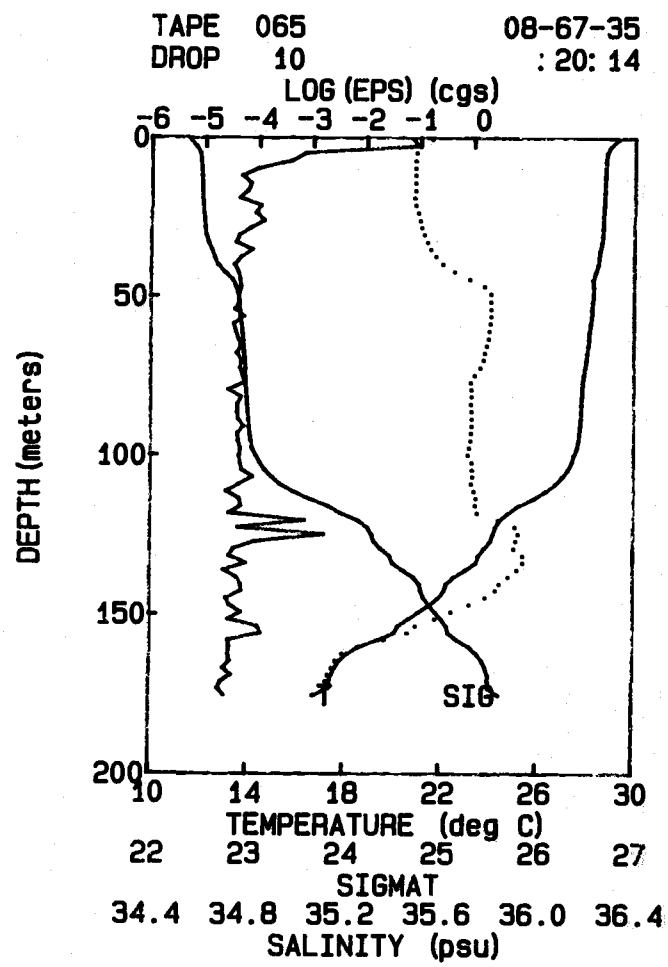
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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SIG
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SIGMAT
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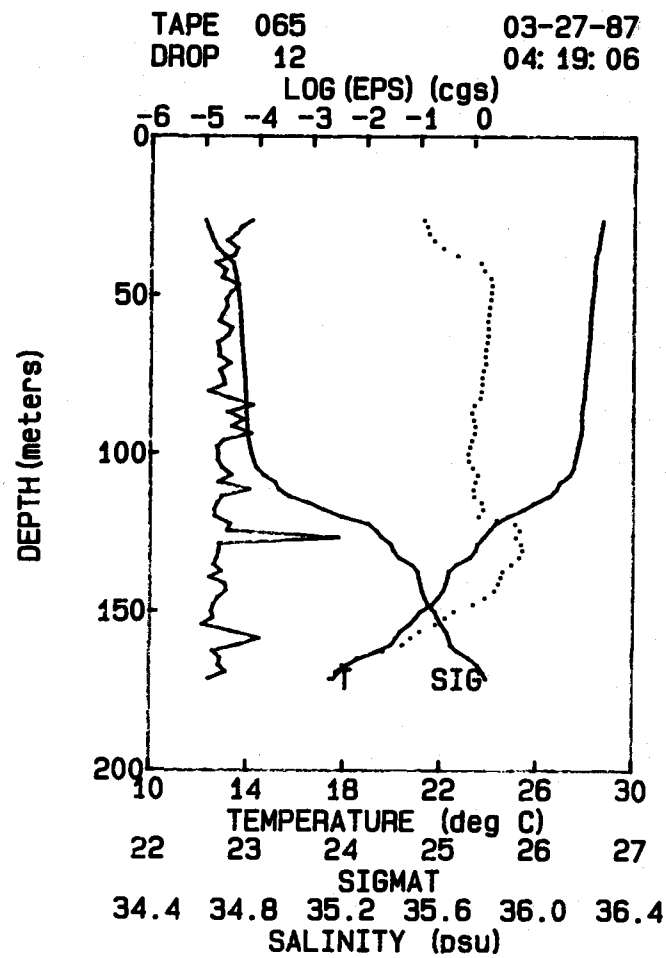
SALINITY (psu)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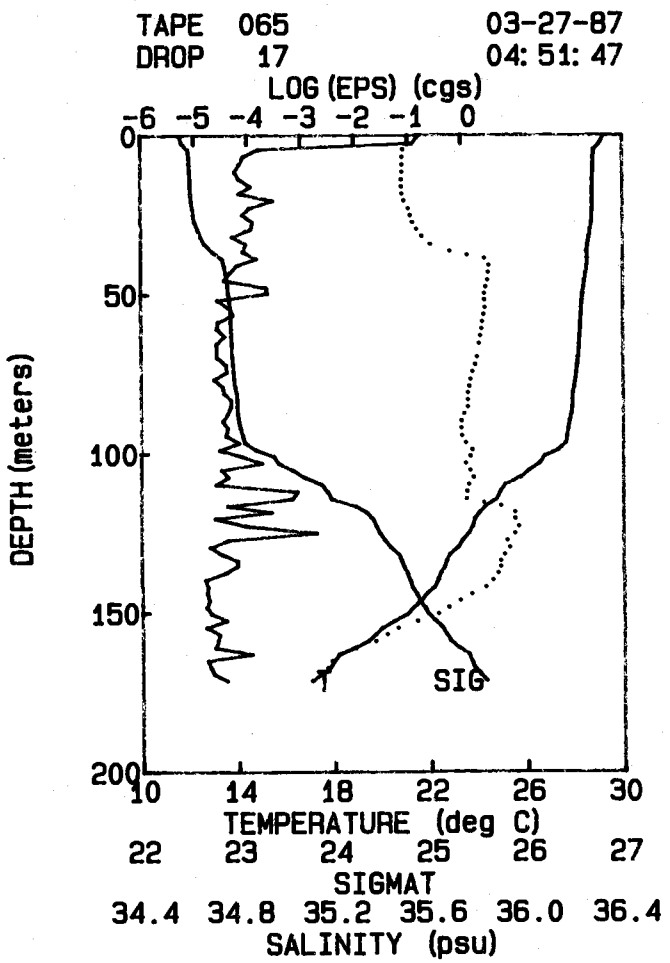
03-27-87
04: 19: 06
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
10 14 18 22 26 30
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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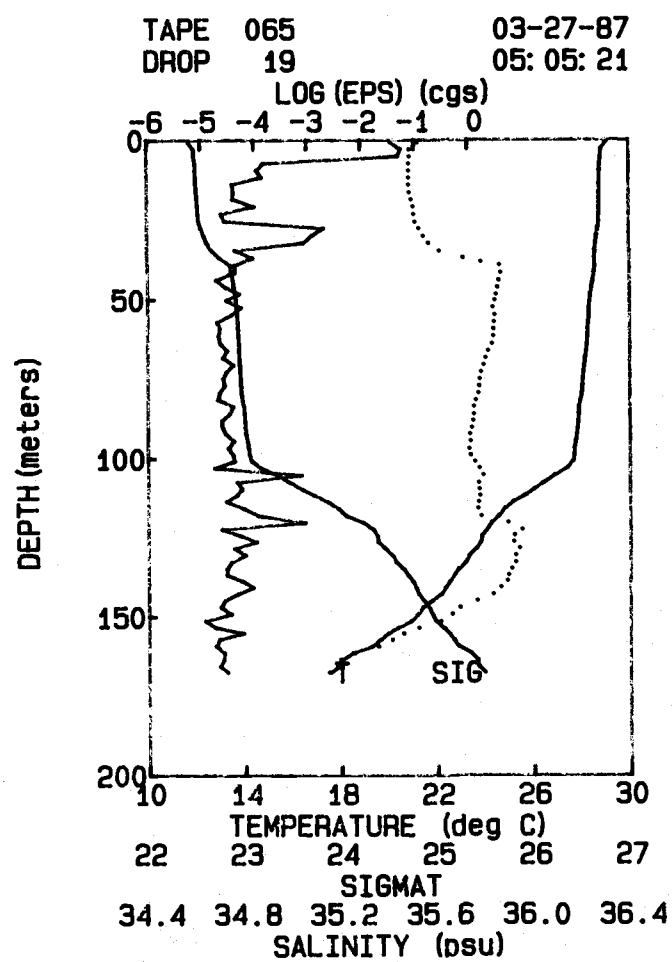
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
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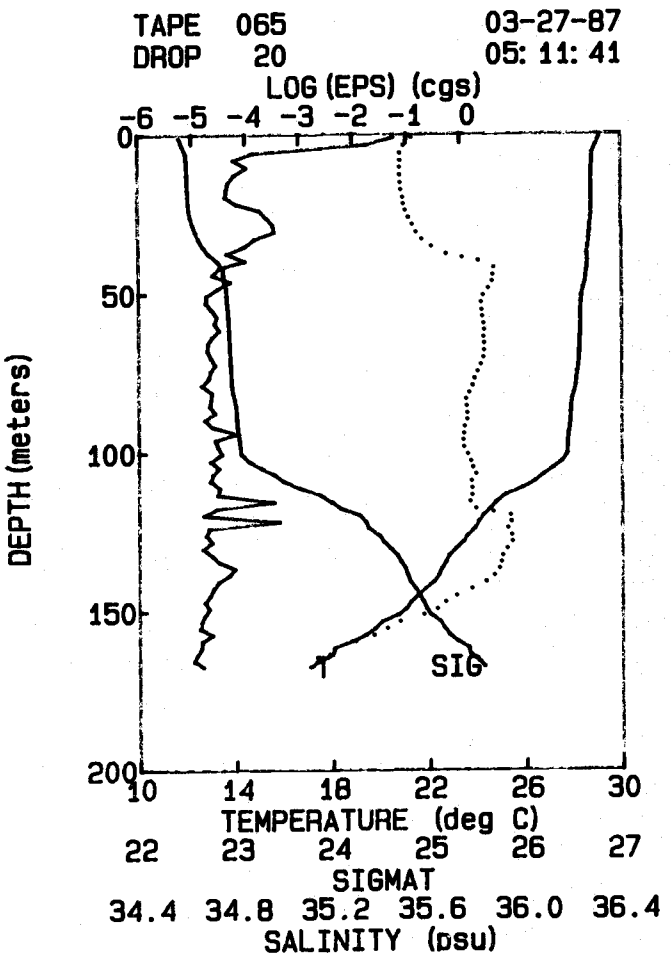
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
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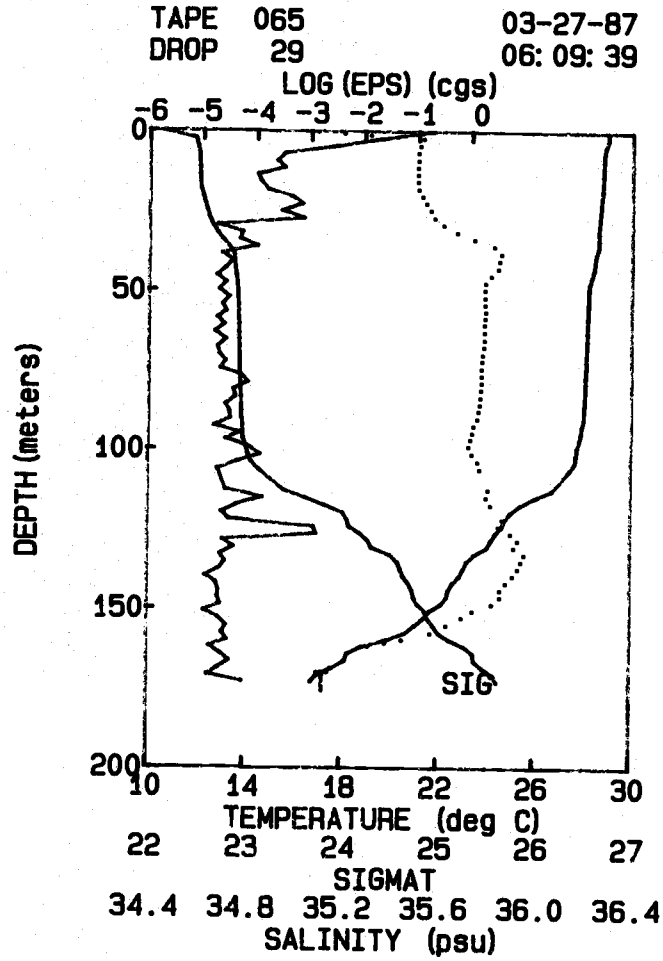
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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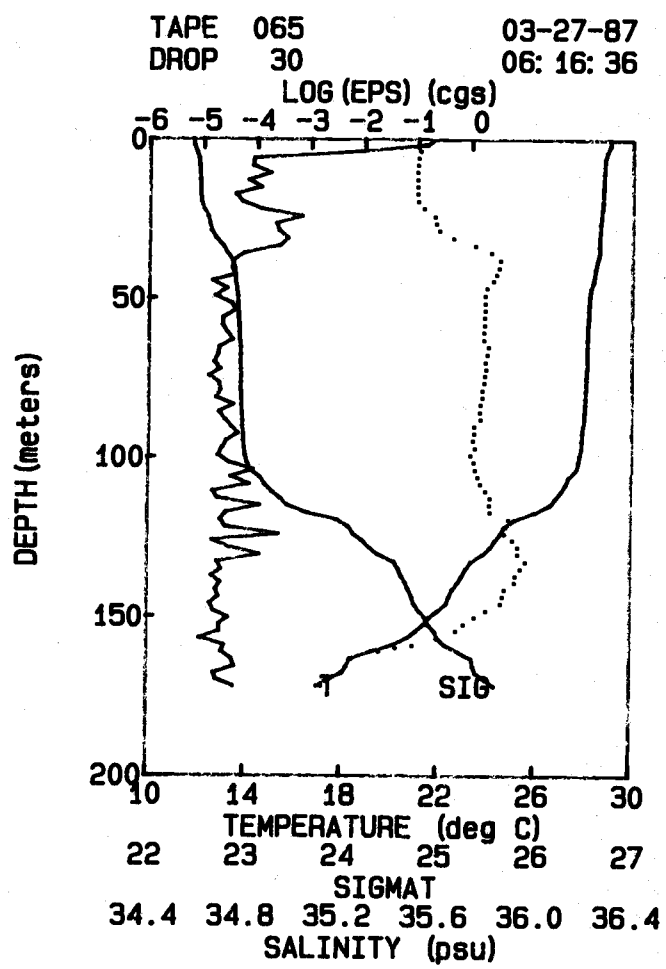
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
SIG
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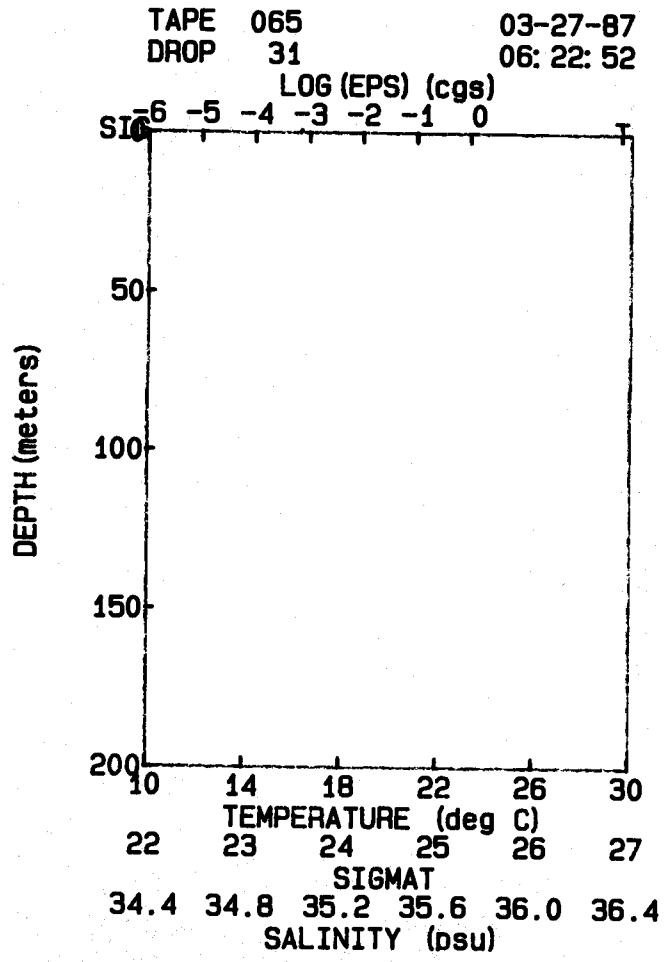
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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LOG (EPS) (cgs)
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SIG
DEPTH (meters)
50
100
150
200
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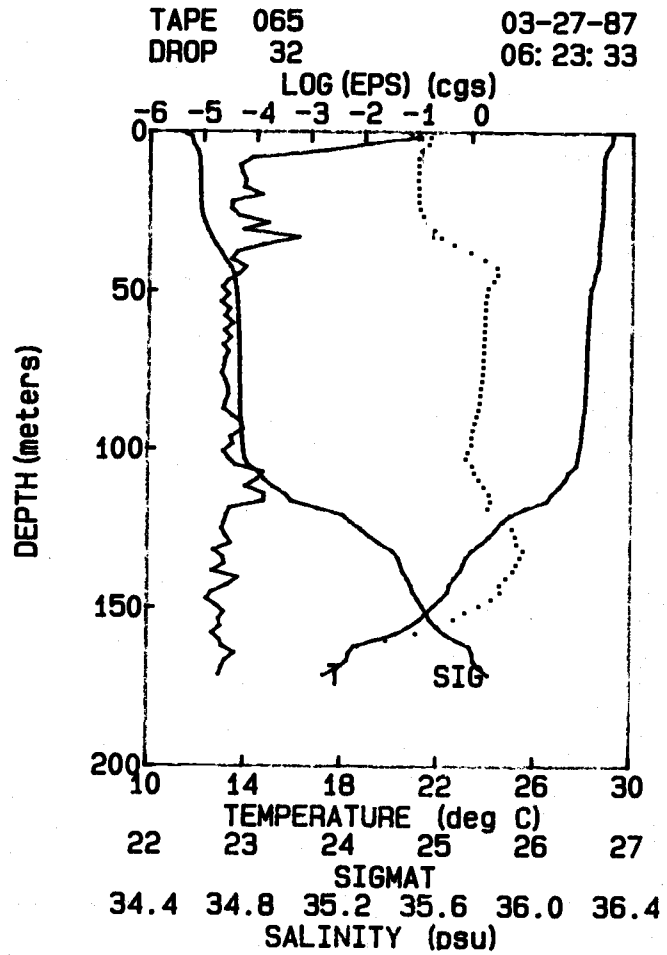
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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06: 23: 33
LOG (EPS) (cgs)
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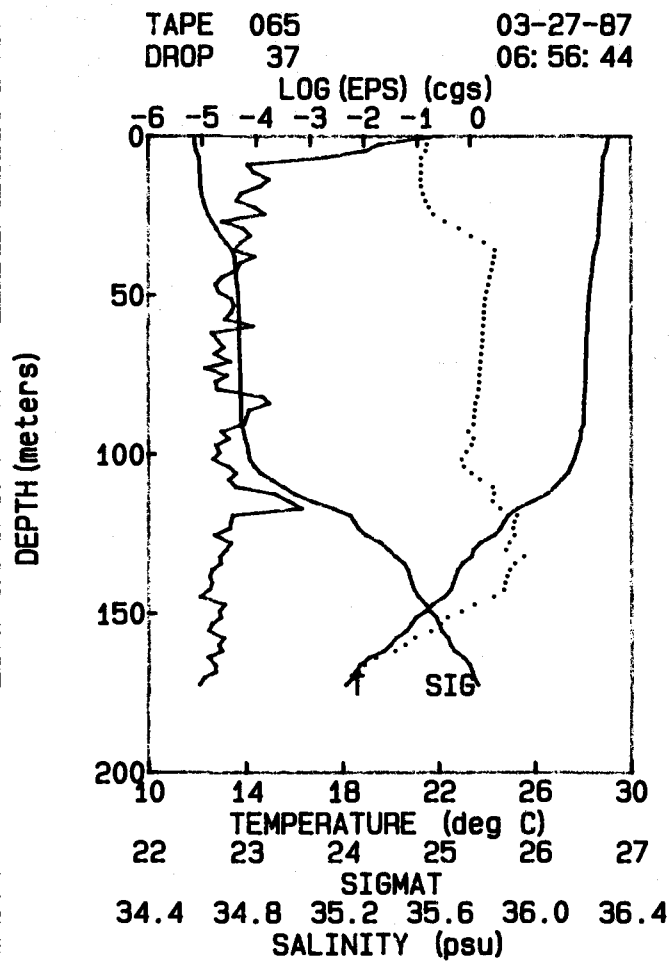
DEPTH (meters)
0
50
100
150
200
SIG
10 14 18 22 26 30
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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DROP 37
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06: 56: 44
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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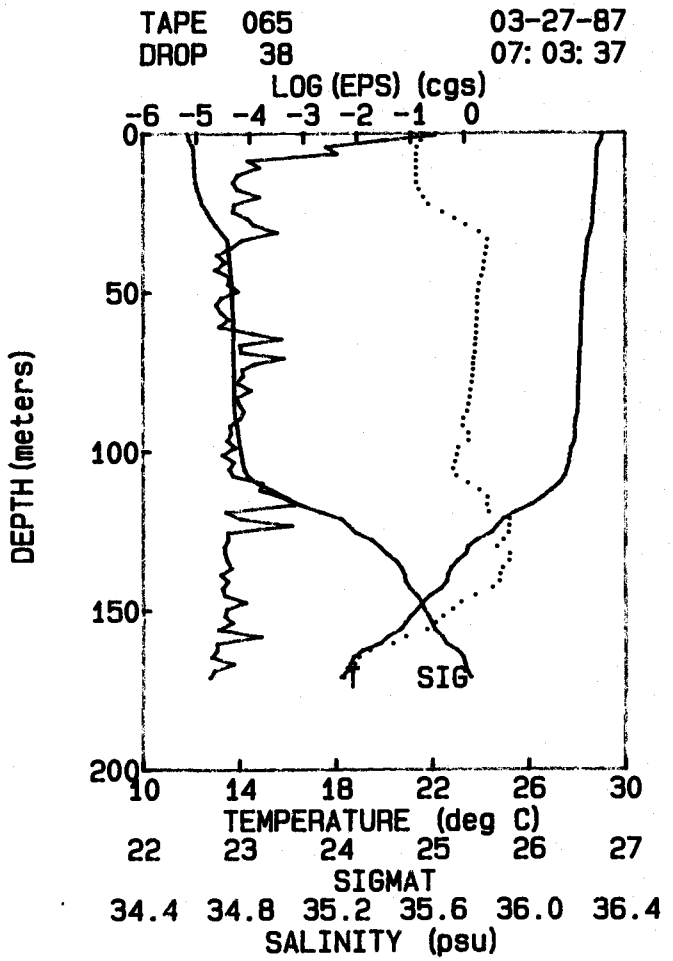
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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07: 03: 37
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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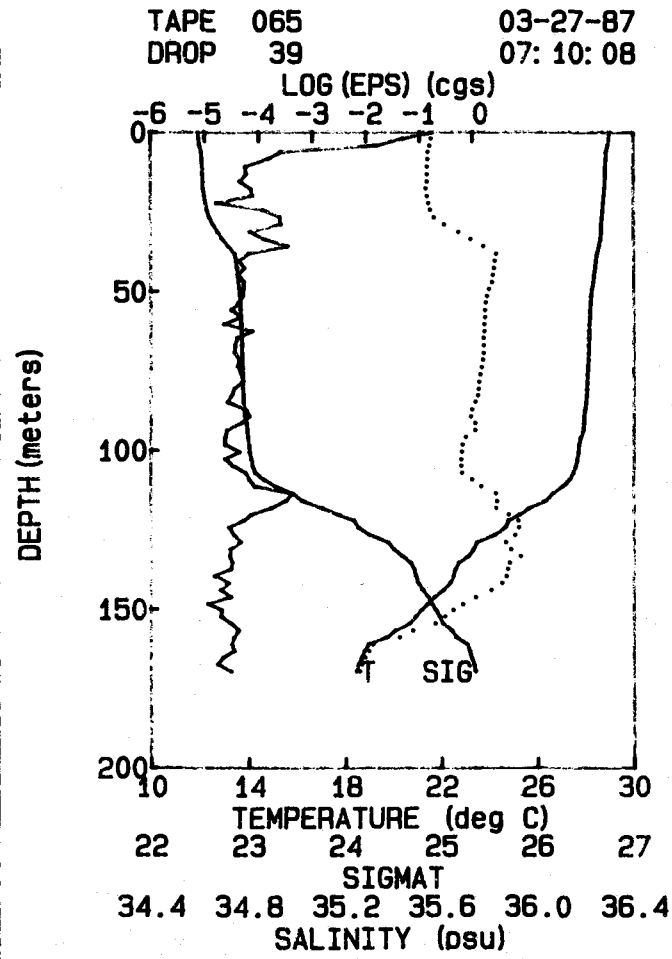
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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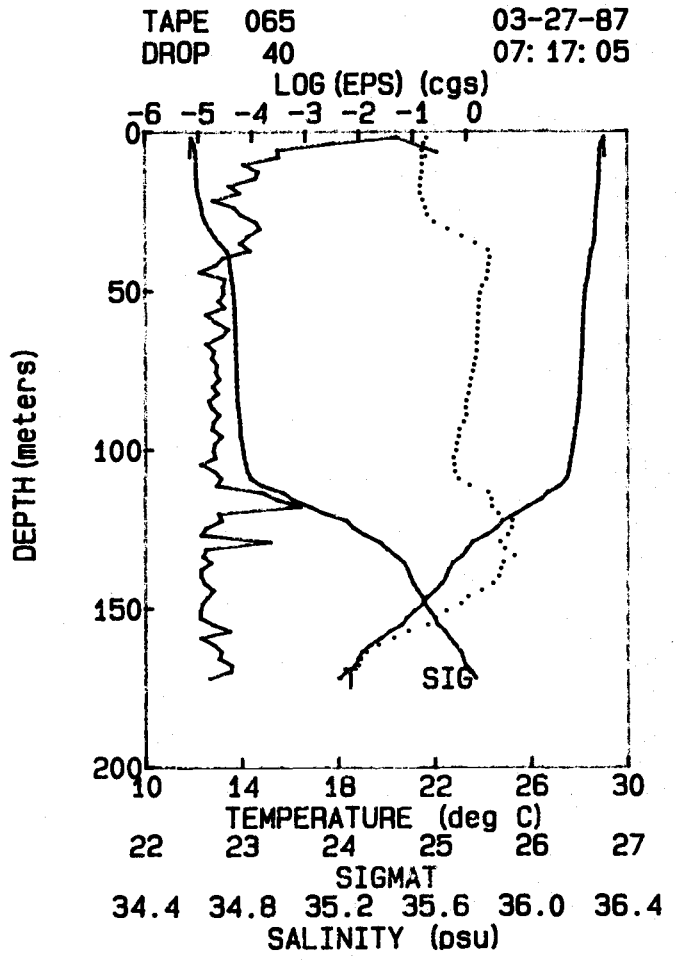
03-27-87
07: 10: 08
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
T
SIG
10 14 18 22 26 30
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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07: 17: 05
LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
T
SIG
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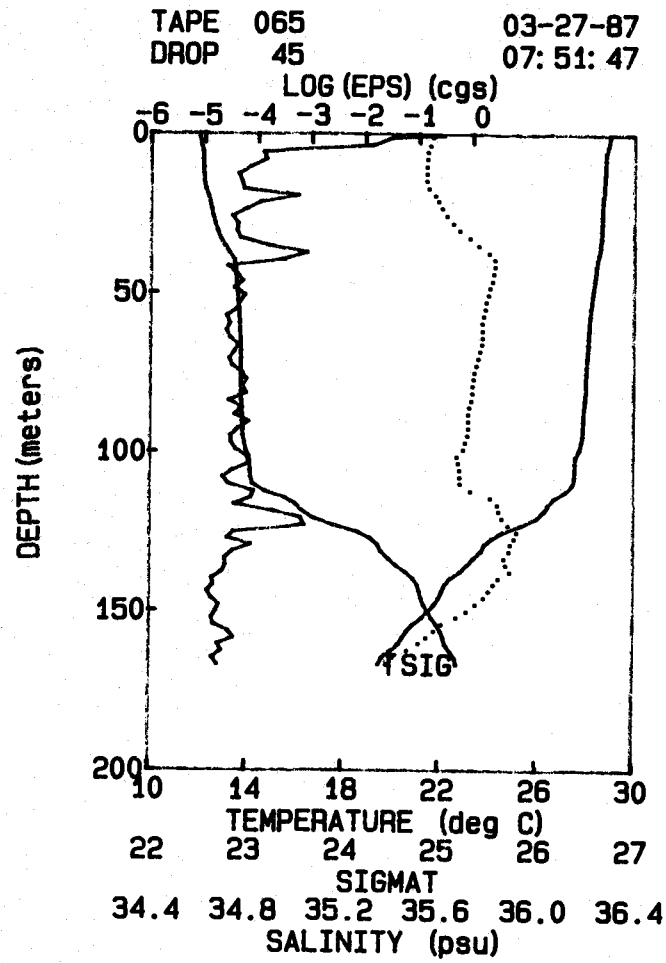
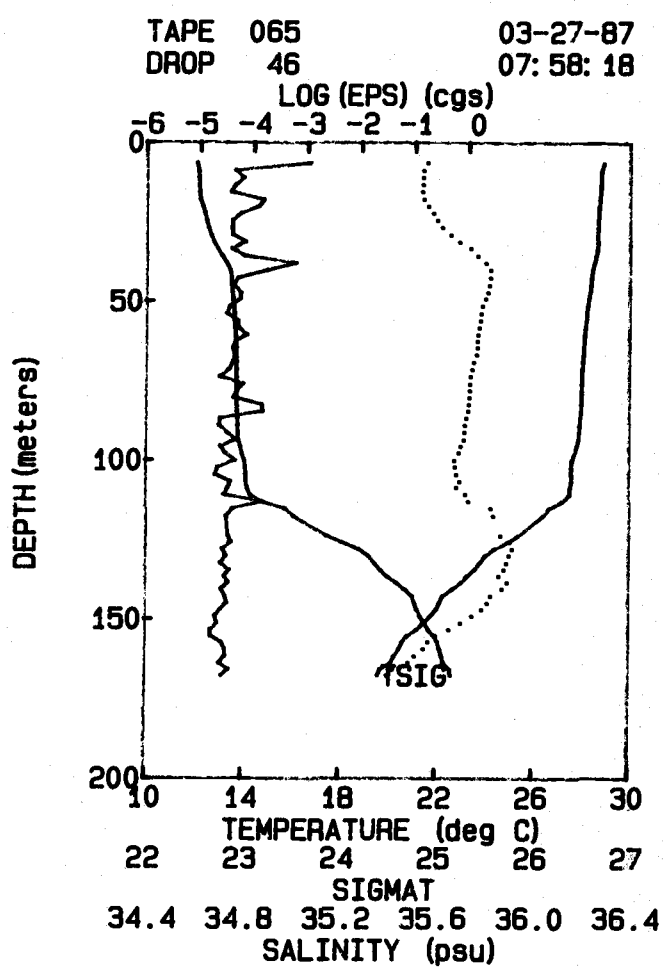
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)


TAPE 065
DROP 45
03-27-87
07: 51: 47
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
TSIG
10 14 18 22 26 30
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
0
50
100
150
200
TSIG
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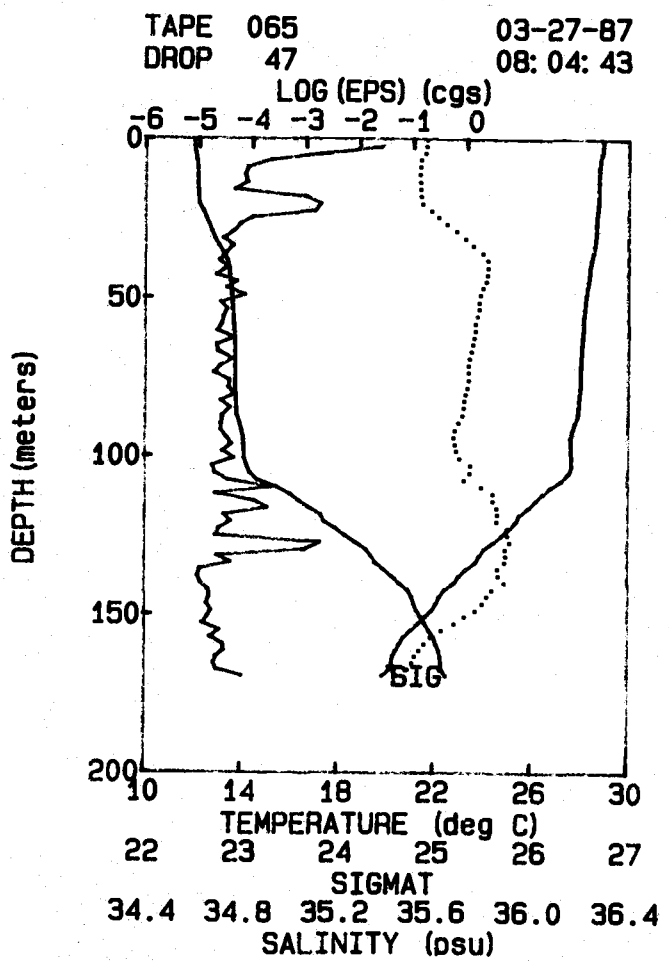
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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03-27-87
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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIG
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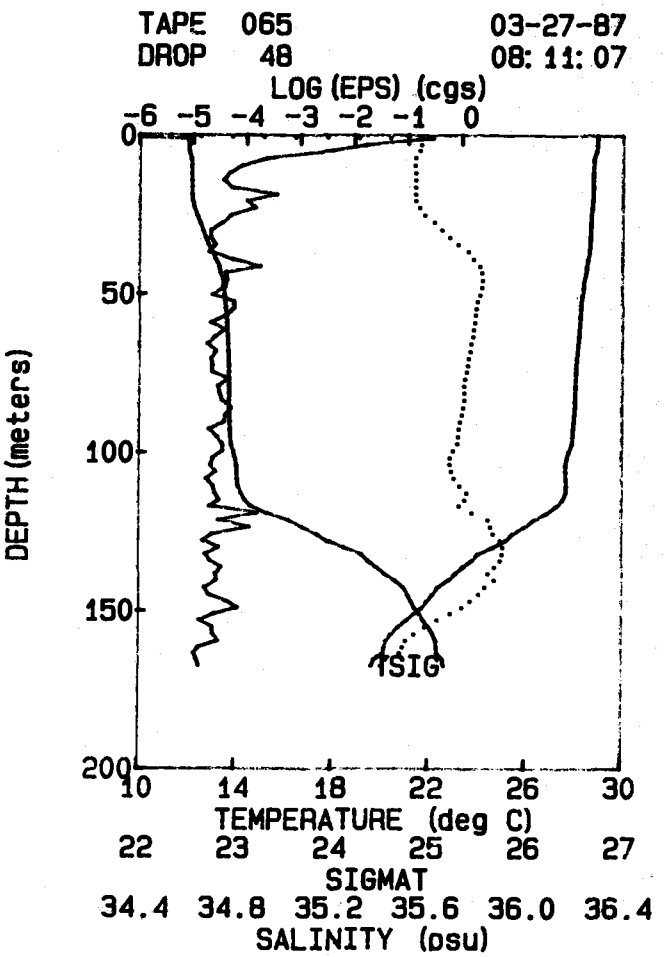
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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08: 11: 07
LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
TSIG
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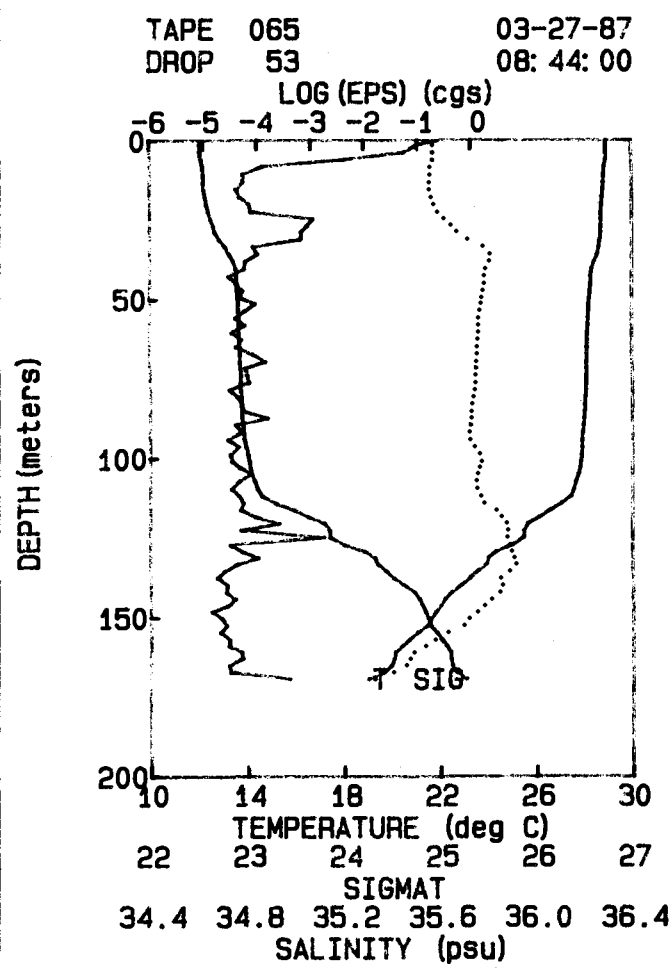
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
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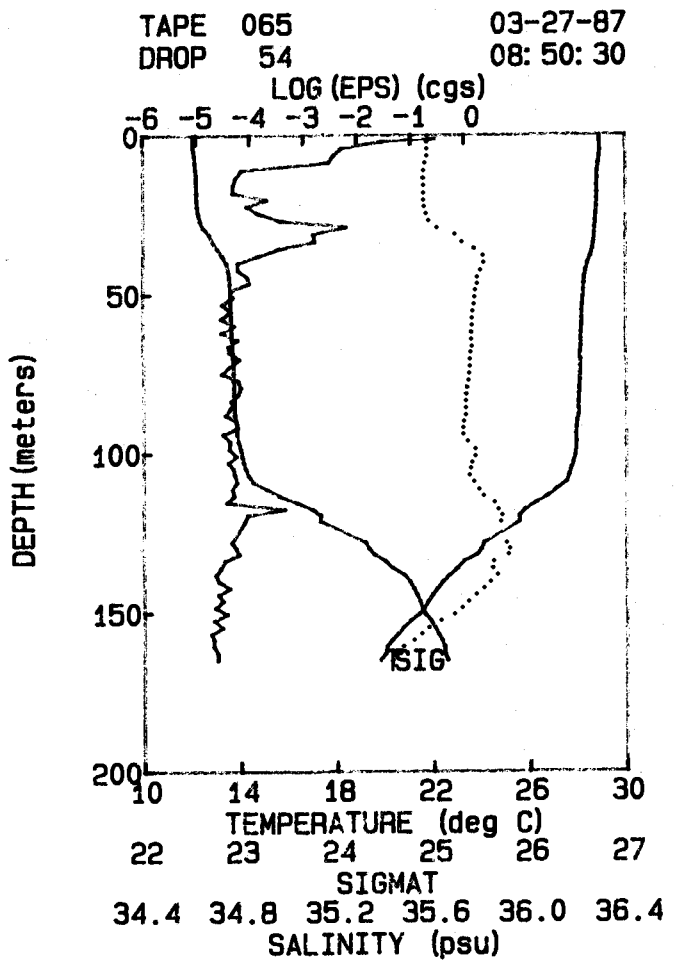
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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DEPTH (meters)
0
50
100
150
200
SIG
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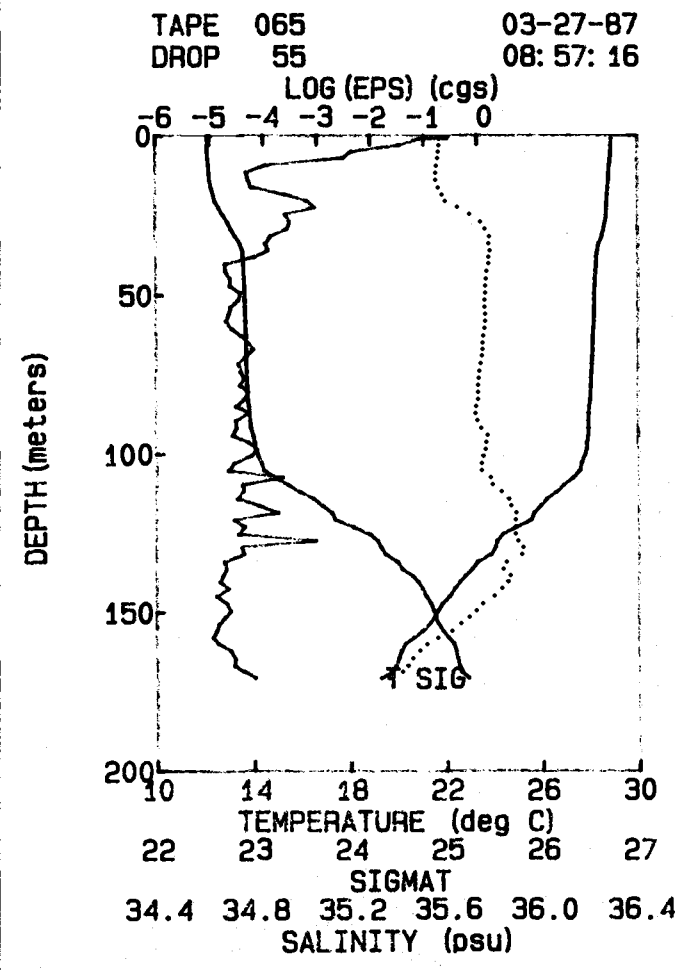
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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08: 57: 16
LOG (EPS) (cgs)
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100
150
200
SIG
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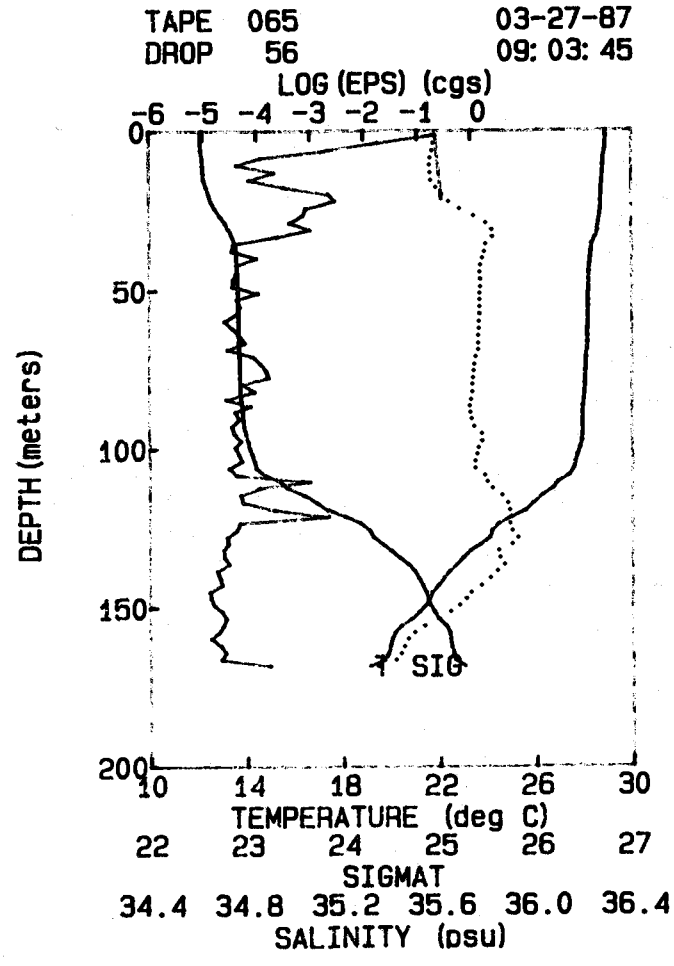
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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100
150
200
SIG
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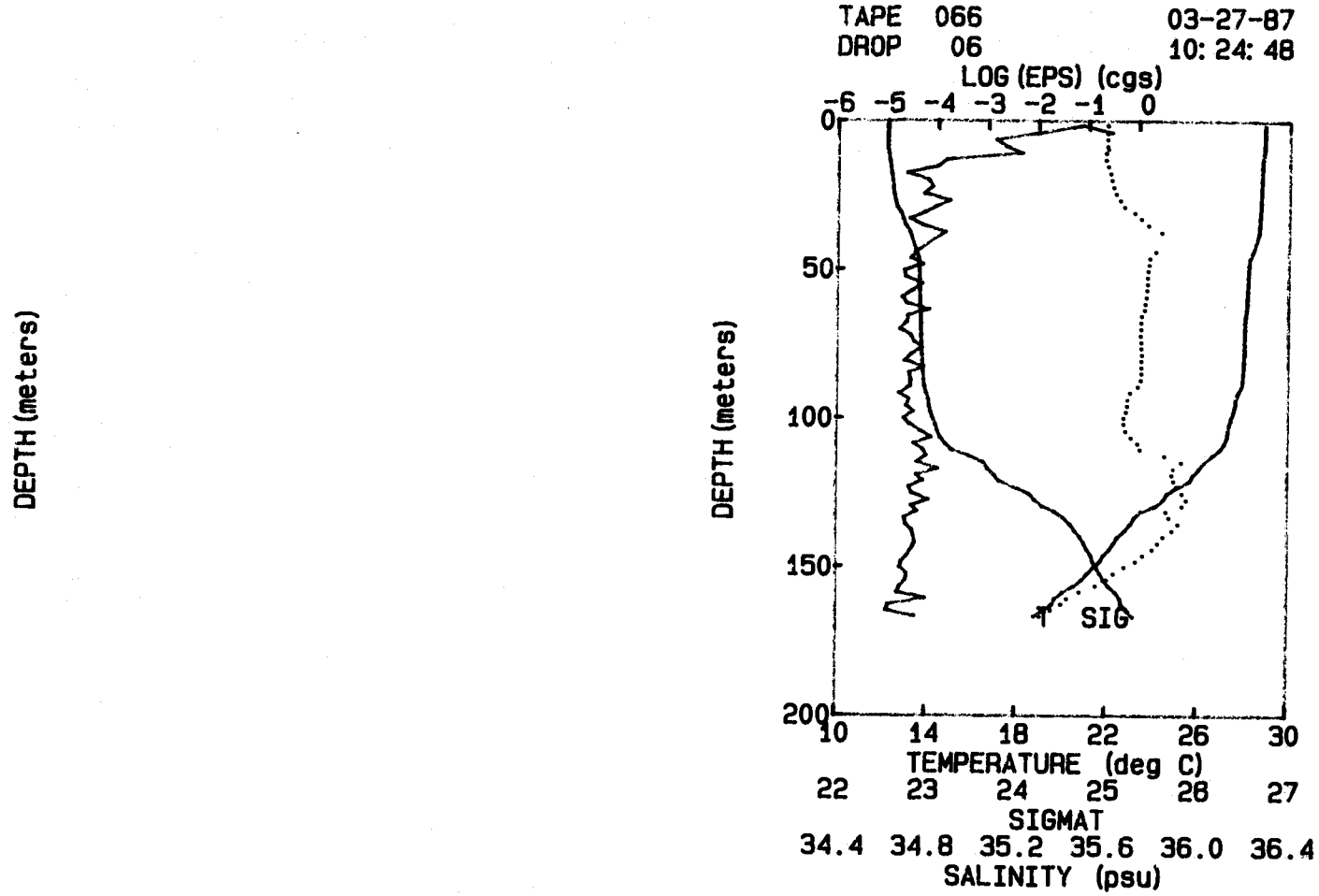
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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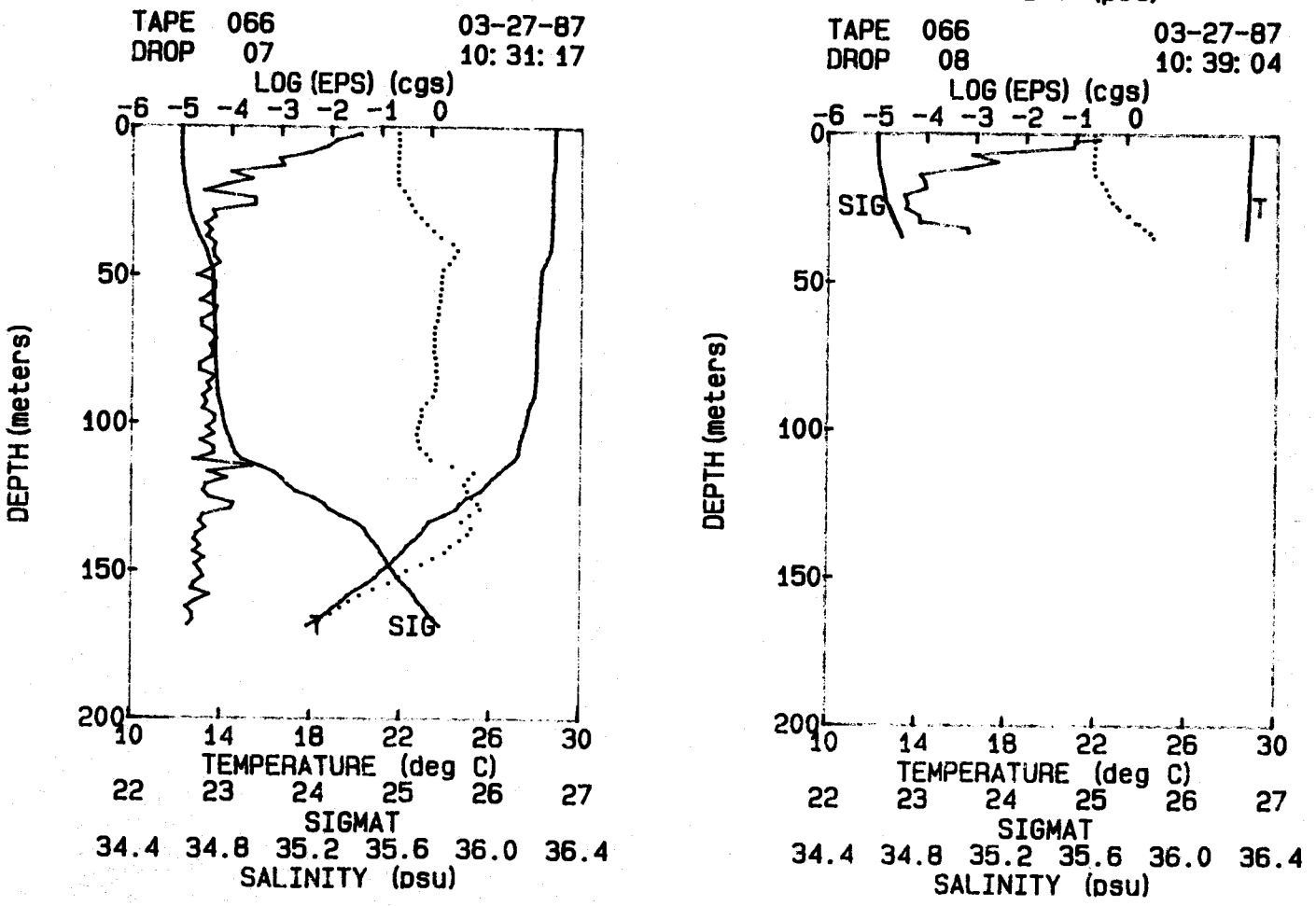
100
150
200
T
SIG
10 14 18 22 26 30
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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LOG (EPS) (cgs)
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DEPTH (meters)
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100
150
200
T
SIG
10 14 18 22 26 30
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)


TAPE 066
DROP 08
03-27-87
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LOG (EPS) (cgs)
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DEPTH (meters)
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50
100
150
200
SIG
T
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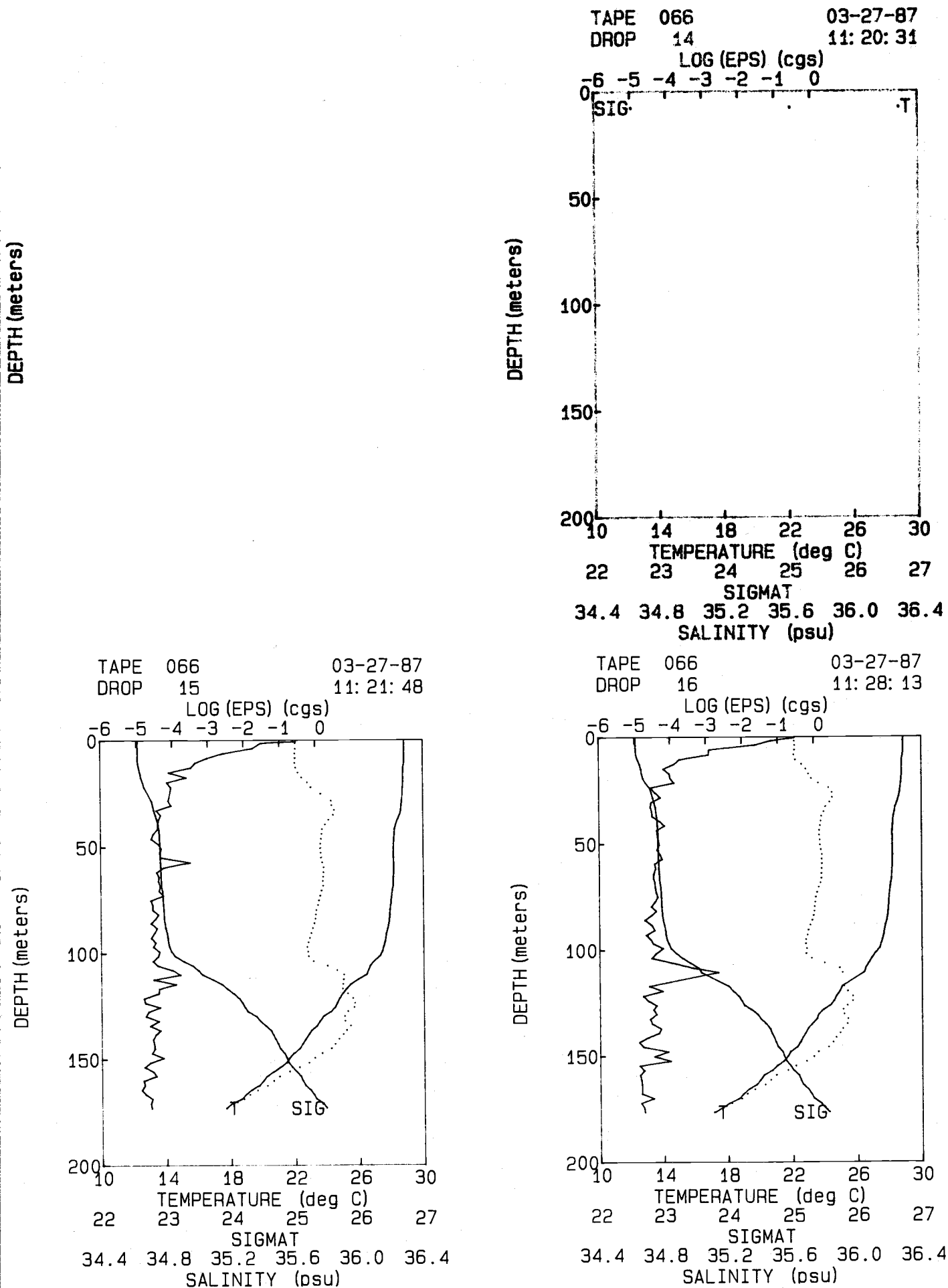
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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11: 20: 31
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SIG
T
DEPTH (meters)
0
50
100
150
200
10 14 18 22 26 30
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)
TAPE 066
DROP 15
03-27-87
11: 21: 48
LOG (EPS) (cgs)
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SIG
T
DEPTH (meters)
0
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100
150
200
10 14 18 22 26 30
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)
TAPE 066
DROP 16
03-27-87
11: 28: 13
LOG (EPS) (cgs)
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SIG
T
DEPTH (meters)
0
50
100
150
200
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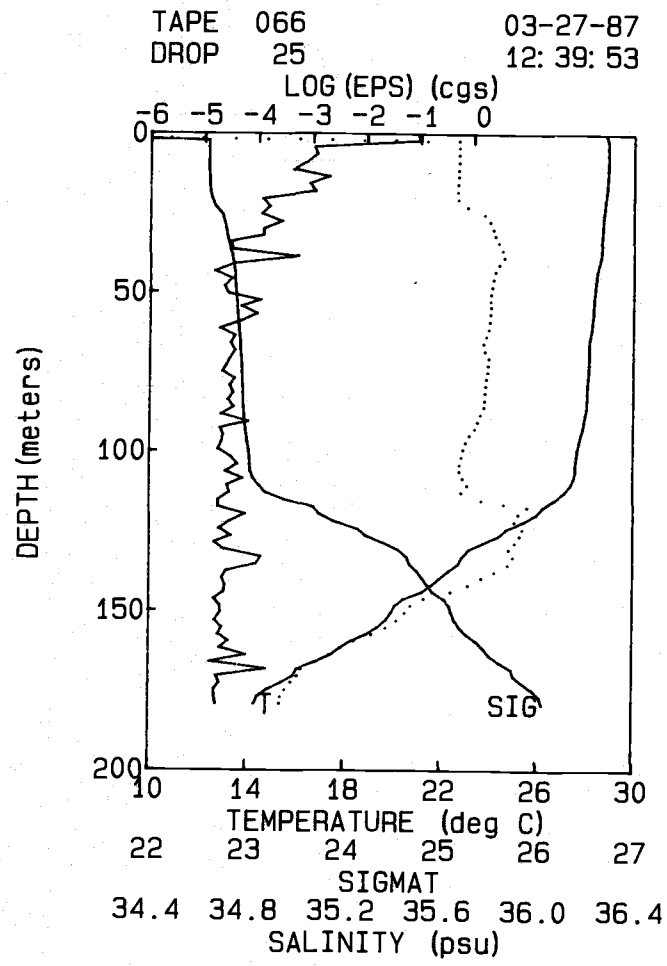
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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03-27-87
12: 39: 53
LOG (EPS) (cgs)
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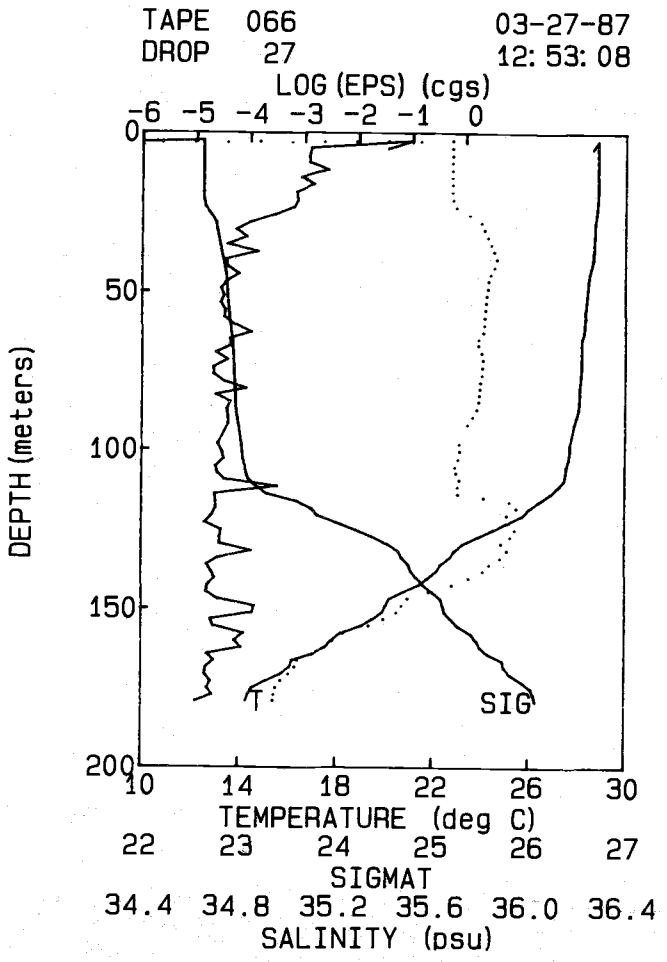
DEPTH (meters)
0
50
100
150
200
SIG
T
10 14 18 22 26 30
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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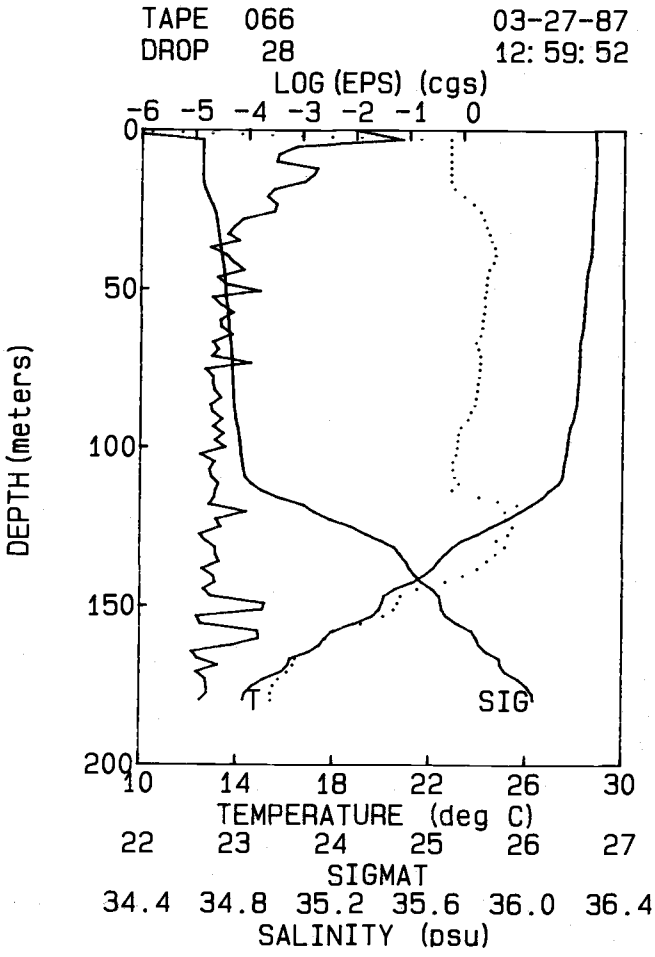
12: 53: 08
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
T
10 14 18 22 26 30
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)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DROP 28
03-27-87
12: 59: 52
LOG (EPS) (cgs)
-6 -5 -4 -3 -2 -1 0
DEPTH (meters)
0
50
100
150
200
SIG
T
10 14 18 22 26 30
TEMPERATURE (deg C)
22 23 24 25 26 27
SIGMAT
34.4 34.8 35.2 35.6 36.0 36.4
SALINITY (psu)