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# STD MEASUREMENTS OFF WASHINGTON AND VANCOUVER ISLAND DURING SEPTEMBER 1973

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# STD MEASUREMENTS OFF WASHINGTON AND VANCOUVER ISLAND DURING SEPTEMBER 1973

James R. Holbrook

Summaries of STD measurements recorded during September 1973 in the northeast Pacific near Washington and Vancouver Island are presented as vertical profiles of temperature, salinity, and sigma-t and as tables of temperature, salinity, sigma-t, and dynamic height anomaly at selected depths. Meteorological observations associated with each STD cast are included.

## 1. INTRODUCTION

During September 1973, 150 vertical profiles of temperature and salinity were measured from the NOAA research vessel *Oceanographer* (OSS-01) in the northeast Pacific near Washington and Vancouver Island. Station positions (fig. 1), which were determined by visual, radar, satellite navigation, and Loran A, were accurate to about 1 km.

The STD measurements were made with a Hytech Model 9006 Salinity/Temperature/Depth/Sound Velocity profiling system and were recorded on 7-track magnetic tape by a Bissett-Berman Model 8114A Digital Data Logger (DDL). The data were recorded only during the descent of the instrument at a rate of one scan every 0.2 seconds. The descent rate was approximately 15 m/min in the upper 200 m, 30 m/min from 200 to 500 m, and 45 m/min below 500 m.

The processing and presentation of the data generally follow the procedures and formats developed in previous reports (Halpern, 1972; Halpern and Holbrook, 1973; Holbrook and Halpern, 1974).

## 2. DATA PROCESSING

The STD data processing consisted of the following steps. First, engineering units were computed from the recorded binary numbers using the following equations furnished by the manufacturer:

Recorded depth (m):

$$D = \left( \frac{4.75 \times 10^8}{N_D + 32768} - 9712 \right) \left( \frac{2000}{1576} \right)$$

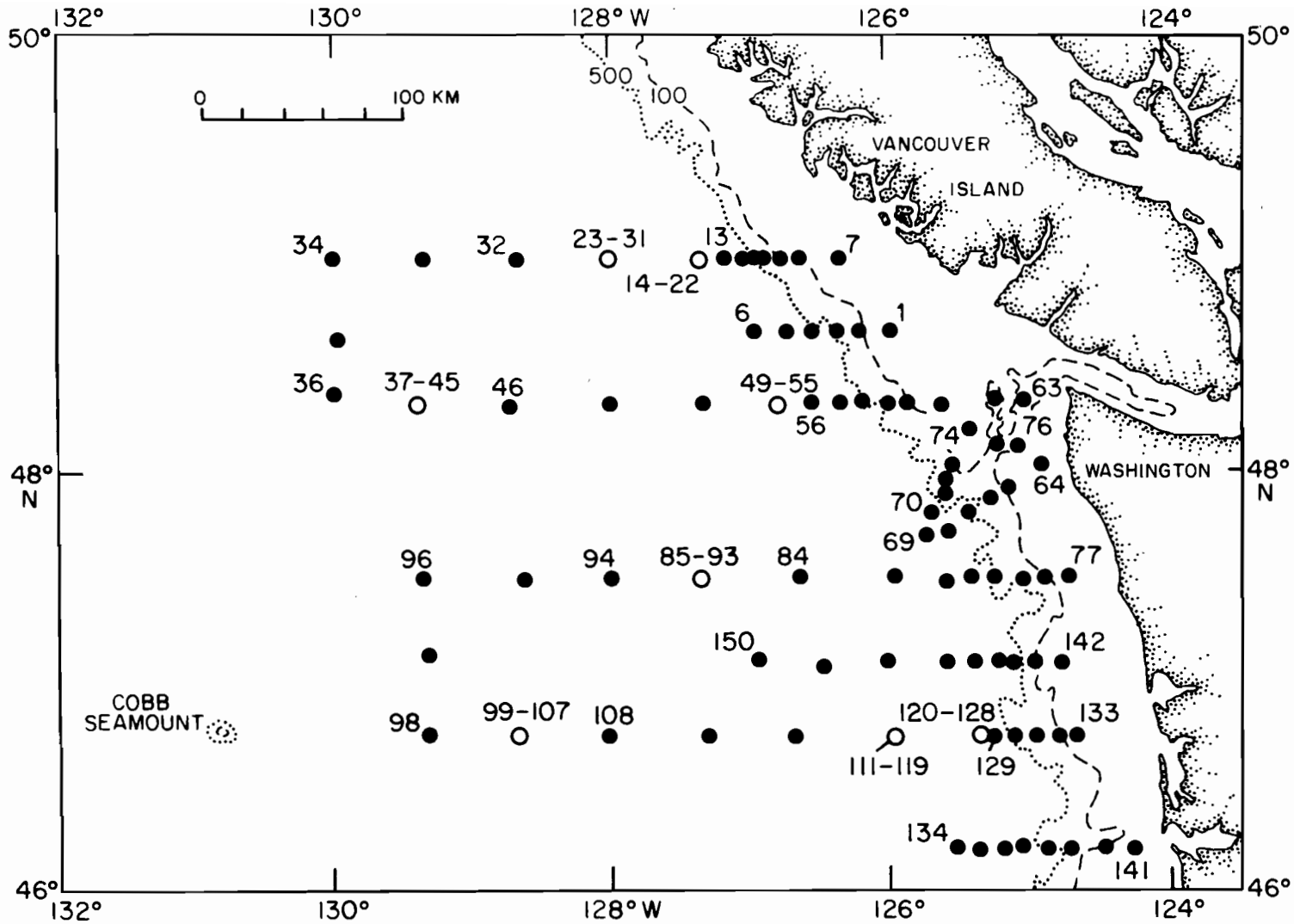



Figure 1. Location chart showing the STD station positions obtained during September 1973. ●'s identify single-cast stations and O's identify multicast stations.

Recorded salinity ($^{o}/_{oo}$):

$$S = \left( \frac{3.15 \times 10^8}{N_S + 32768} - 4995 \right) \left( \frac{10}{2906} \right) + 28.00$$

Recorded temperature (°C):

$$T = \left( \frac{3.5 \times 10^7}{N_T} - 2127 \right) \left( \frac{37}{2066} \right) - 2.00$$

$N_D$, $N_S$, and $N_T$ are the binary numbers recorded on magnetic tape for depth, salinity, and temperature.

Second, the data in each cast were arranged into a monotonically increasing function of depth by dropping scans with depth values less than preceding scan depth values. Third, temperature and salinity values recorded at the same depth were averaged together. Fourth, temperature, salinity, and depth corrections were applied. The corrections were based upon comparison of Nansen bottle and STD frequency data taken on every fifth cast (fig. 2 and 3):

Corrected depth (m):

$$D_c = (0.9913)\ (D)$$

Corrected salinity ($^{o}/_{oo}$):

$$S_c = S + 0.023 - (2.2 \times 10^{-5})\ (D)$$

Corrected temperature (°C):

$$T_c = T + 0.02$$

Fifth, average values of temperature and salinity were computed at 1-meter intervals; e.g., the average temperature at 90 m was equal to the arithmetic mean of measurements between 89.5 and 90.5 m. Sixth, scans with anomalous temperature or salinity values, which were generally associated with regions of strong vertical gradients, were removed from the 1-meter averaged data when the temperature or salinity gradient on both sides of the scan changed sign and exceeded a critical value. The critical gradients were 0.05°C/m and 0.025 $^{o}/_{oo}$/m for depth values between 0 and 200 m and 0.01°C/m and 0.01 $^{o}/_{oo}$/m for depth values greater than 200 m. Finally, the corrected and edited 1-meter averaged temperature, salinity, and sigma-t values were plotted versus depth.

The temperature and salinity corrections (fig. 2 and 3) were determined using the following technique. A Nansen bottle containing two protected and one unprotected thermometers was placed on the cable approximately 6 m above the STD instrument on 26 of the STD lowerings. After soaking for 6 minutes at calibration depth, the Nansen bottle was tripped and the STD was raised 6 m. Frequencies to the nearest tenth were measured

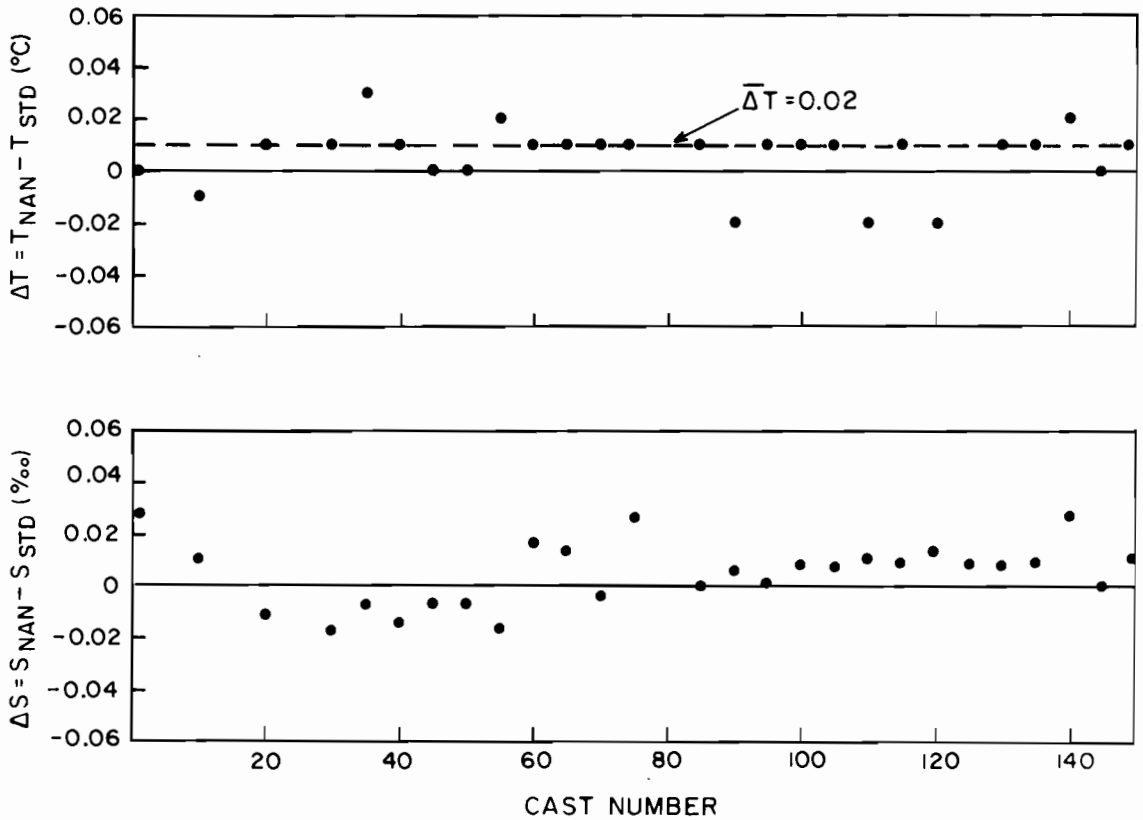



Figure 2. Temperature and salinity comparisons between Nansen bottle and STD data versus cast number.

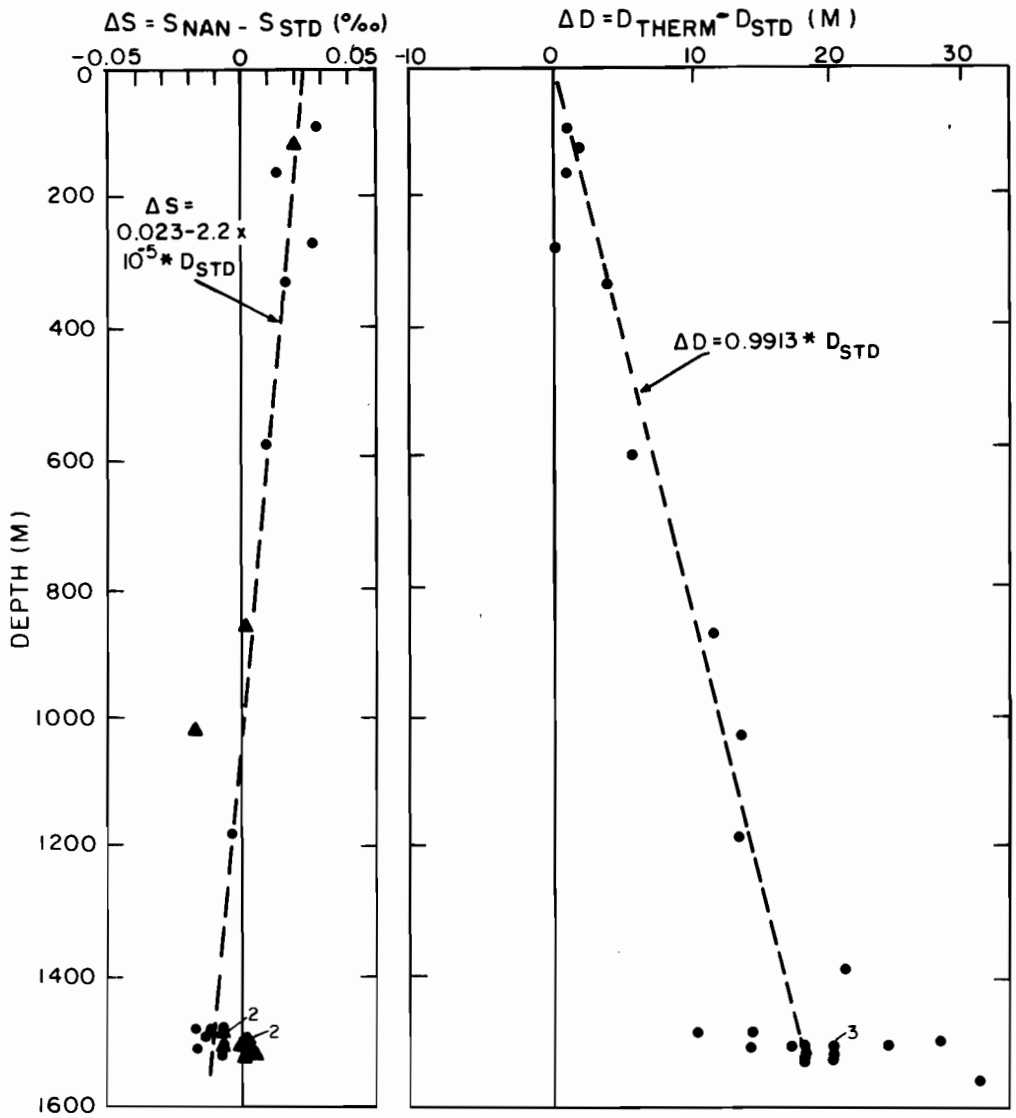



Figure 3. Salinity and depth comparisons between Nansen bottle and STD data versus depth. Both salinity and depth were corrected by the indicated depth dependent function.

from the temperature, salinity, and depth sensors. Comparisons were made between temperatures measured by the protected thermometers and the STD, between salinities determined from the Nansen bottle sample using a Beckman Model R56B salinometer and the STD, and between depths computed from protected and unprotected thermometers (thermometic depth) and the STD. A linear depth dependent correction was determined for the salinity and depth sensors (fig. 3).

## 3. DATA PRESENTATION

The reduced data from each STD cast are summarized by a computer-generated plot containing the vertical profiles of temperature, salinity, and sigma-t and by a table of selected values of temperature, salinity, sigma-t, and dynamic height anomaly. The shallowest and deepest 1-meter averaged values of each set of STD measurements are shown in the table. When the uppermost depth was not equal to 0 m, surface values of temperature and salinity were computed from a least-squares linear fit of the data recorded above 7 m below the surface. Sigma-t and the anomaly of specific volume were computed from equations developed by Ekman and Knudsen (Sweers, 1971). Depth in meters was defined as equivalent to pressure in decibars. The trapezoidal method of integration was used to calculate the anomaly of dynamic depth. Tables 1 to 6 contain the abbreviations and units used to describe the STD data summary.

## 4. ACKNOWLEDGMENTS

I thank Ron Reed who was Chief Scientist and Dorothy Klett who very ably assisted in the data processing. Dr. Halpern was most helpful in establishing formats and data processing procedures. The generous support of Captain W. D. Barbee and the officers and crew of the NOAA ship *Oceanographer* is greatly appreciated.

Table 1. Abbreviations and Units Used to Describe Each Set of STD Measurements

| | |
|---|---|
| SALINITY | Salinity, parts per thousand ($^{o}/_{oo}$) |
| TEMPERATURE | Temperature, degrees Celsius (°C) |
| CAST RP-7-OC-007 | STD measurement station 007 made from the research vessel *Oceanographer* on cruise RP-7 |
| DATE | Day, month, year |
| TIME | Hours and minutes, Greenwich Mean Time (GMT) |
| LAT | Latitude, degrees and minutes north |
| LONG | Longitude, degrees and minutes west |
| WEATHER | Present weather conditions (see table 2) |
| SEA STATE | Present sea state conditions (see table 5) |
| BAROMETER | Sea level atmospheric pressure, millibars (mb) over 1000 mb |
| WIND DIR | Wind direction, degrees True from which the wind blows |
| SPD | Wind speed, knots |
| VISIBILITY | Visibility (see table 6) |
| CLOUD | Cloud type (see table 3) |
| AMOUNT | Amount of cloud cover (see table 4) |
| DRY | Dry air temperature, degrees Celsius |
| WET | Wet bulb temperature, degrees Celsius |
| DEPTH | Depth to the bottom, meters |

Table 2. Weather Condition Code Used to Describe Each Set of STD Measurements

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

Table 3. Cloud Type Code Used to Describe Each Set of STD Measurements

| Code | Cloud type |
|---|---|
| 0 | Cirrus |
| 1 | Cirrocumulus |
| 2 | Cirrostratus |
| 3 | Altocumulus |
| 4 | Altostratus |
| 5 | Nimbostratus |
| 6 | Stratocumulus |
| 7 | Stratus |
| 8 | Cumulus |
| 9 | Cumulonimbus |
| X | Cloud not visible |

Table 4. Cloud Amount Code Used to Describe Each Set of STD Measurements

| Code | Cloud amount |
|---|---|
| 0 | 0 |
| 1 | 1/10 or less, but not zero |
| 2 | 2/10 - 3/10 |
| 3 | 4/10 |
| 4 | 5/10 |
| 5 | 6/10 |
| 6 | 7/10 - 8/10 |
| 7 | 9/10 or more, but not 10/10 |
| 8 | 10/10 |
| 9 | Sky obscured or not determined |

Table 5. Sea State Code Used to Describe Each Set of STD Measurements

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

Table 6. Visibility Code Used to Describe Each Set of STD Measurements

| Code | |
|---|---|
| 0 | < 50 m |
| 1 | 50 - 200 m |
| 2 | 200 - 500 m |
| 3 | 500 - 1,000 m |
| 4 | 1 - 2 km |
| 5 | 2 - 4 km |
| 6 | 4 - 10 km |
| 7 | 10 - 20 km |
| 8 | 20 - 50 km |
| 9 | 50 km or more |

## 5. REFERENCES

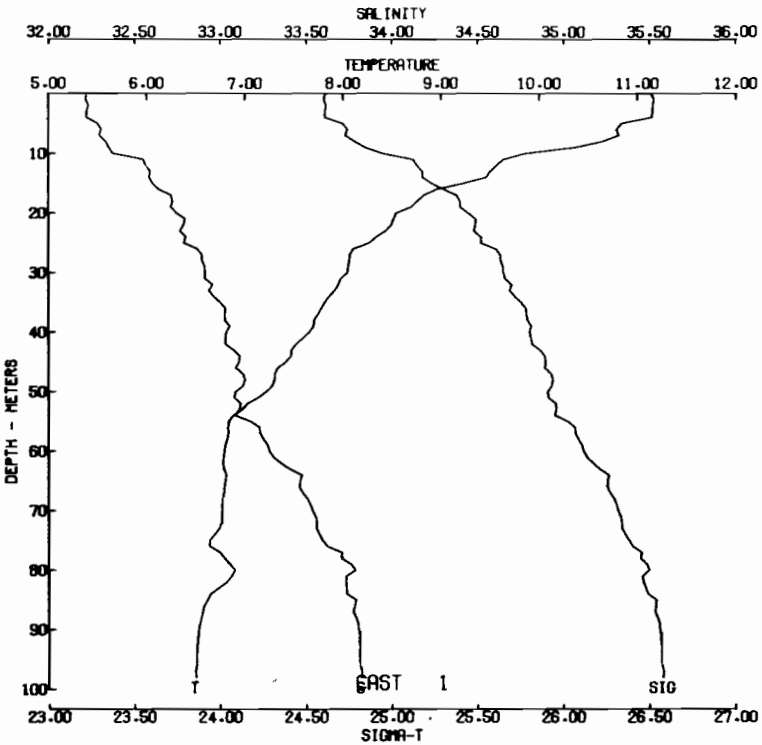

Halpern, D. (1972), STD observations in the northeast Pacific near 47°N, 128°W (August/September 1971), NOAA Technical Memorandum ERL POL-2, Pacific Oceanographic Laboratory, Seattle, Wash., 26 pp.

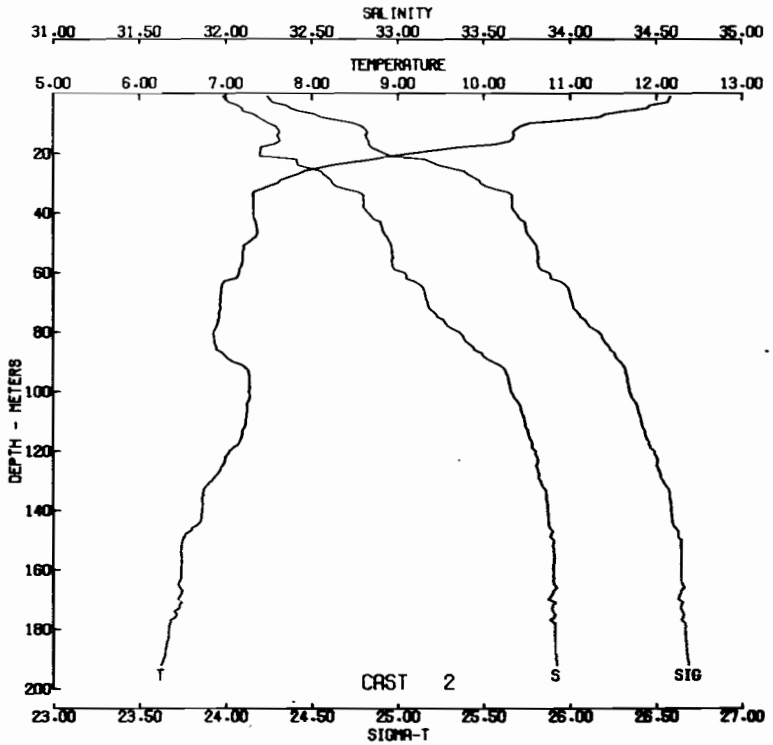
Halpern, D., and J. R. Holbrook (1973), STD measurements off the Oregon coast, July/August 1972, CUEA Data Report 4, Department of Oceanography, University of Washington, Seattle, 381 pp.

Holbrook, J. R., and Halpern, D. (1974), STD measurements off the Oregon Coast, July/August 1973, CUEA Data Report 12, Department of Oceanography, University of Washington, Seattle, 397 pp.

Sweers, H. E., (1971), A comparison of methods used to calculate sigma-t, specific volume anomaly and dynamic height, Marine Technology Society Journal, 5(3): 7-26.

STD STATION DATA: CASTS 1-150



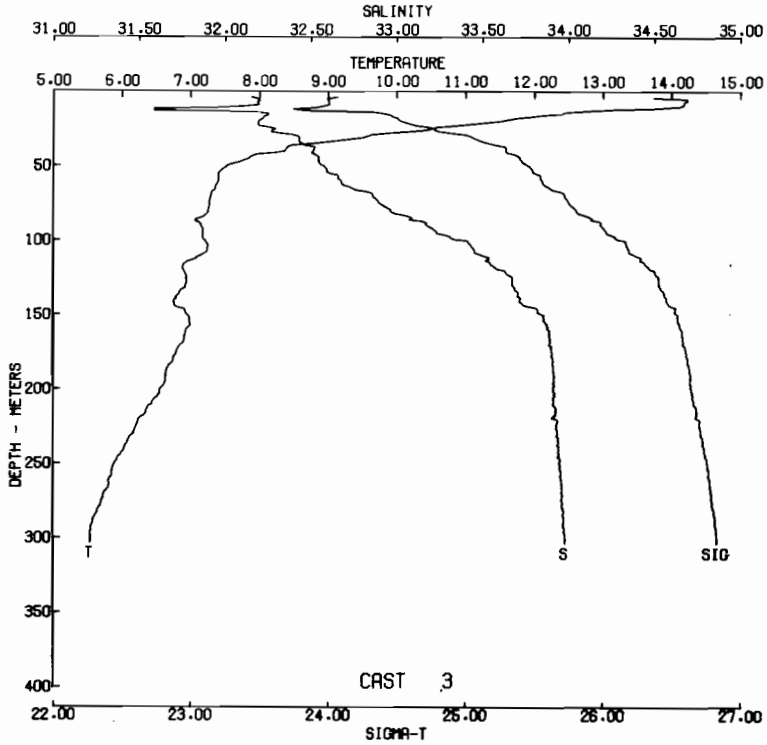



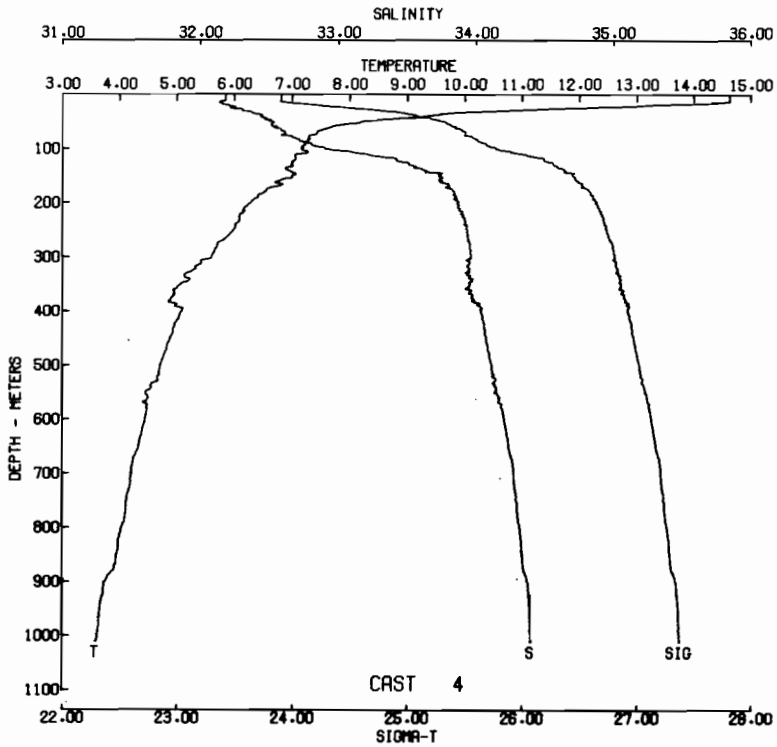

CAST RP-7-OC-001 DATE 07 SEP 73 TIME 0540 GMT
LAT 40 40.5N LONG 125 59.2W WEATHER 1 SEA STATE 3
BAROMETER 17 WIND DIR 285 T SPD 10 KT VISIBILITY 6
CLOUD X AMOUNT 9 DRY 13.1 WET 12.2 DEPTH 0103 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 11.14 | 32.22 | 24.61 | 0.000 |
| 5 | 10.84 | 32.28 | 24.71 | .017 |
| 10 | 9.86 | 32.37 | 24.95 | .033 |
| 15 | 9.23 | 32.60 | 25.23 | .047 |
| 20 | 8.54 | 32.74 | 25.45 | .060 |
| 25 | 8.27 | 32.79 | 25.52 | .072 |
| 30 | 8.04 | 32.91 | 25.65 | .084 |
| 35 | 7.81 | 33.00 | 25.75 | .096 |
| 40 | 7.65 | 33.03 | 25.80 | .107 |
| 45 | 7.41 | 33.11 | 25.89 | .118 |
| 50 | 7.21 | 33.09 | 25.91 | .128 |
| 75 | 6.64 | 33.60 | 26.38 | .175 |
| 98 | 6.50 | 33.82 | 26.58 | |

CAST RP-7-OC-002 DATE 07 SEP 73 TIME 0652 GMT
LAT 40 40.0N LONG 126 12.0W WEATHER 1 SEA STATE 3
BAROMETER 17 WIND DIR 280 T SPD 10 KT VISIBILITY 6
CLOUD 3 AMOUNT 2 DRY 13.5 WET 12.4 DEPTH 0194 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 12.41 | 31.94 | 24.16 | 0.000 |
| 1 | 12.17 | 31.98 | 24.24 | |
| 5 | 11.89 | 32.09 | 24.38 | .010 |
| 10 | 10.52 | 32.25 | 24.74 | .035 |
| 15 | 10.34 | 32.31 | 24.82 | .051 |
| 20 | 9.17 | 32.20 | 24.92 | .067 |
| 25 | 8.07 | 32.49 | 25.31 | .081 |
| 30 | 7.60 | 32.62 | 25.49 | .094 |
| 35 | 7.32 | 32.80 | 25.67 | .106 |
| 40 | 7.32 | 32.83 | 25.69 | .117 |
| 45 | 7.36 | 32.91 | 25.75 | .129 |
| 50 | 7.26 | 32.96 | 25.80 | .140 |
| 75 | 6.92 | 33.23 | 26.06 | .193 |
| 100 | 7.26 | 33.66 | 26.35 | .237 |
| 150 | 6.49 | 33.91 | 26.65 | .315 |
| 192 | 6.25 | 33.92 | 26.69 | |



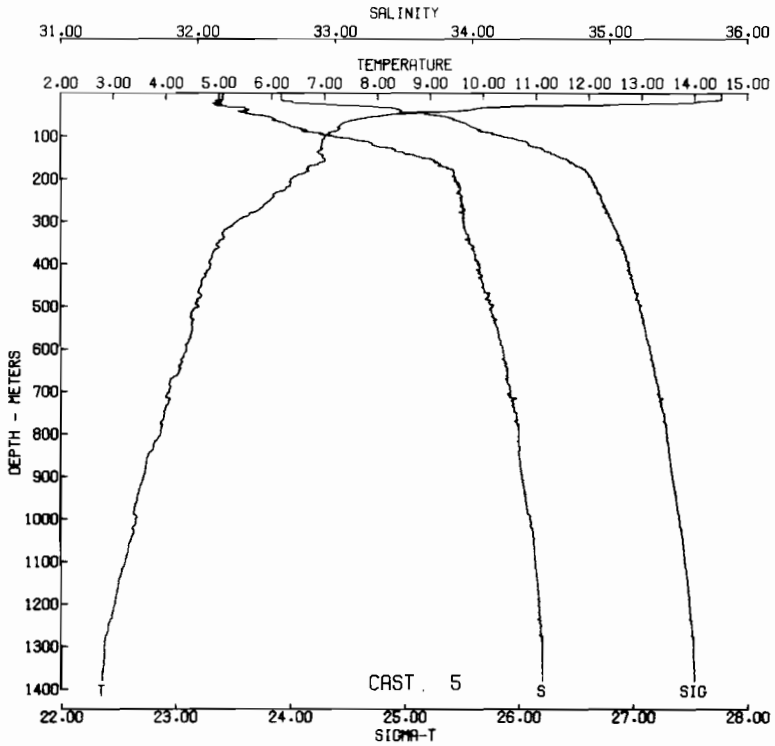



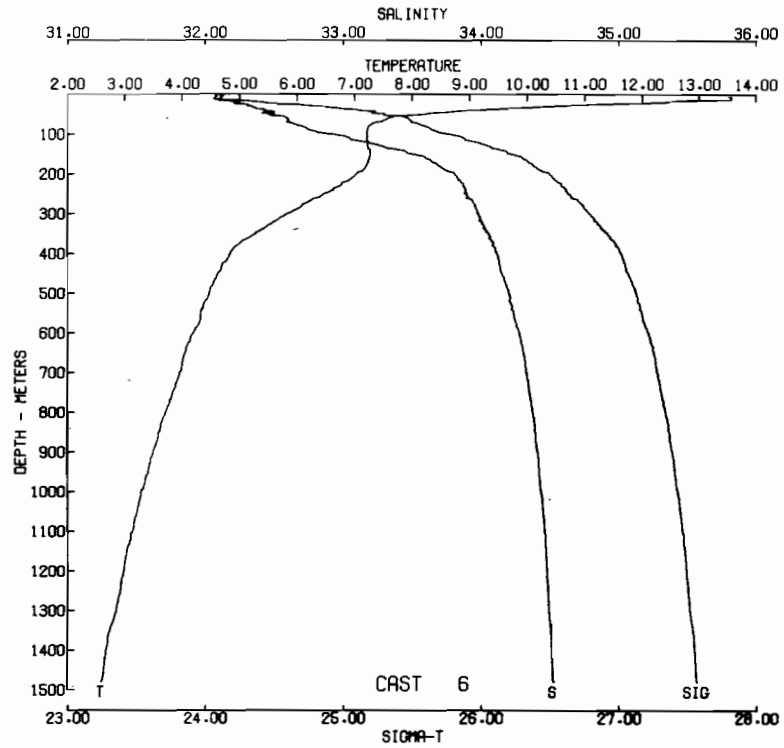

CAST RP-7-OC-003 DATE 07 SEP 73 TIME 0756 GMT
LAT 48 48.4N LONG 126 22.9W WEATHER 1 SEA STATE 3
BAROMETER 18 WIND DIR 290 T SPD 10 KT VISIBILITY 6
CLOUD 3 AMOUNT 2 DRY 14.2 WET 13.0 DEPTH 0675 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 13.36 | 32.12 | 24.11 | 0.000 |
| 4 | 13.74 | 32.15 | 24.06 | |
| 5 | 14.22 | 32.19 | 23.99 | .019 |
| 10 | 14.11 | 32.12 | 23.96 | .039 |
| 15 | 12.38 | 32.25 | 24.41 | .059 |
| 20 | 11.50 | 32.19 | 24.52 | .076 |
| 25 | 10.51 | 32.29 | 24.78 | .092 |
| 30 | 9.57 | 32.42 | 25.03 | .108 |
| 35 | 8.76 | 32.45 | 25.18 | .122 |
| 40 | 8.37 | 32.51 | 25.29 | .136 |
| 45 | 7.83 | 32.54 | 25.39 | .149 |
| 50 | 7.52 | 32.57 | 25.46 | .162 |
| 75 | 7.27 | 32.90 | 25.75 | .222 |
| 100 | 7.20 | 33.41 | 26.16 | .274 |
| 150 | 6.95 | 33.85 | 26.54 | .359 |
| 200 | 6.55 | 33.91 | 26.64 | .432 |
| 300 | 5.54 | 33.98 | 26.83 | .566 |
| 303 | 5.53 | 33.98 | 26.83 | |

CAST RP-7-OC-004 DATE 07 SEP 73 TIME 0907 GMT
LAT 48 48.5N LONG 126 32.8W WEATHER 1 SEA STATE 3
BAROMETER 18 WIND DIR 290 T SPD 13 KT VISIBILITY 6
CLOUD X AMOUNT 9 DRY 14.2 WET 13.0 DEPTH 1014 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.62 | 32.18 | 23.98 | 0.000 |
| 2 | 14.62 | 32.18 | 23.98 | |
| 5 | 14.63 | 32.18 | 23.98 | .020 |
| 10 | 14.63 | 32.18 | 23.98 | .040 |
| 15 | 14.31 | 32.14 | 23.94 | .060 |
| 20 | 13.12 | 32.19 | 24.22 | .080 |
| 25 | 12.00 | 32.23 | 24.46 | .098 |
| 30 | 10.64 | 32.31 | 24.76 | .114 |
| 35 | 9.76 | 32.38 | 24.97 | .130 |
| 40 | 9.38 | 32.44 | 25.08 | .144 |
| 45 | 8.80 | 32.48 | 25.20 | .159 |
| 50 | 8.23 | 32.50 | 25.30 | .172 |
| 75 | 7.37 | 32.59 | 25.50 | .237 |
| 100 | 7.15 | 32.91 | 25.77 | .296 |
| 150 | 6.98 | 33.73 | 26.44 | .388 |
| 200 | 6.28 | 33.86 | 26.64 | .464 |
| 300 | 5.59 | 33.96 | 26.81 | .599 |
| 500 | 4.70 | 34.11 | 27.03 | .836 |
| 750 | 4.11 | 34.29 | 27.23 | 1.084 |
| 1000 | 3.61 | 34.40 | 27.37 | 1.297 |
| 1011 | 3.58 | 34.40 | 27.37 | |



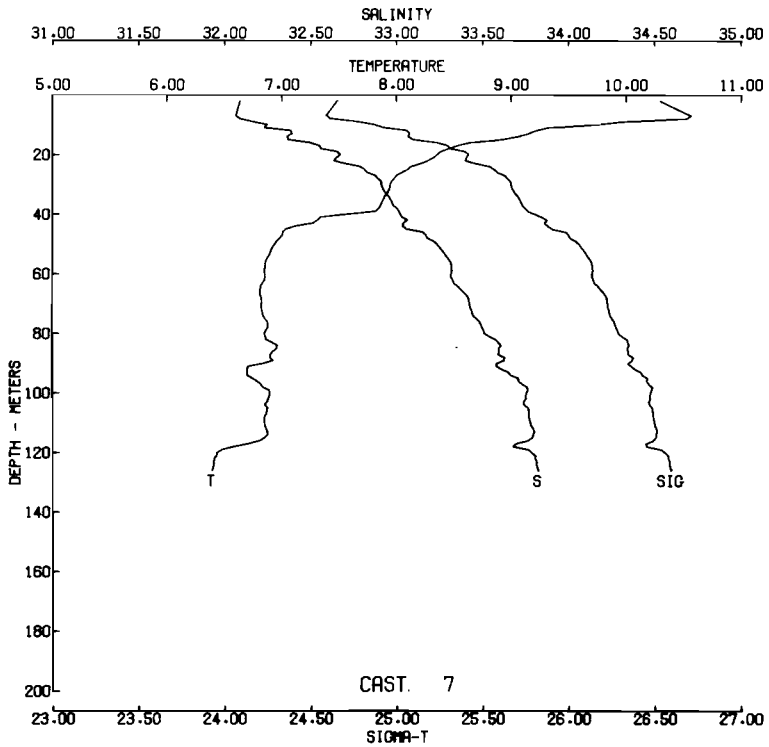



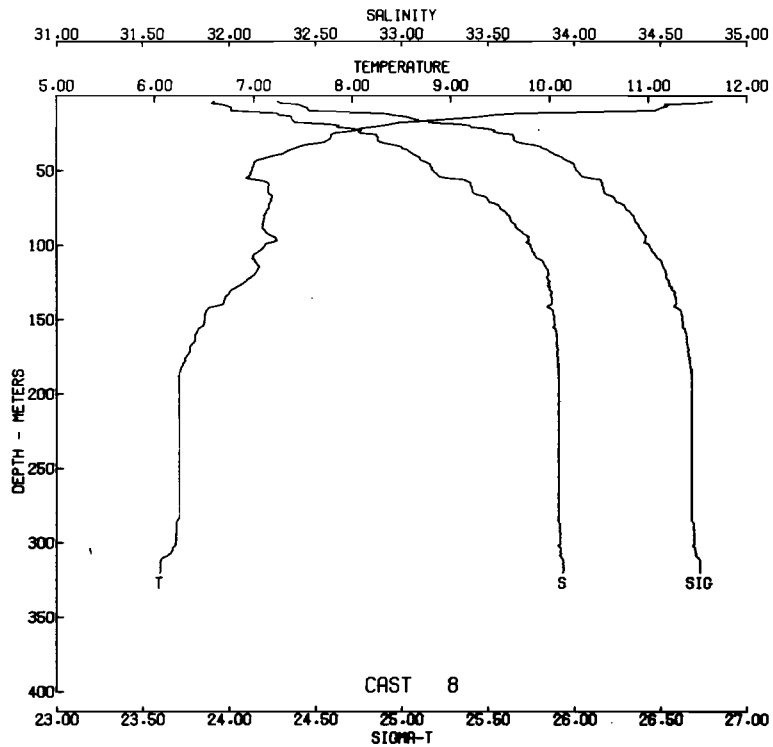

CAST RP-7-OC-005 DATE 07 SEP 73 TIME 1111 GMT
LAT 48 40.2N LONG 126 43.3W WEATHER 1 SEA STATE 3
BAROMETER 19 WIND DIR 308 T SPD 18 KT VISIBILITY 6
CLOUD X AMOUNT 9 DRY 14.3 WET 11.8 DEPTH 1408 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.51 | 32.18 | 23.93 | 0.000 |
| 2 | 14.51 | 32.18 | 23.93 | |
| 5 | 14.51 | 32.18 | 23.93 | .020 |
| 10 | 14.51 | 32.18 | 23.93 | .040 |
| 15 | 14.51 | 32.18 | 23.93 | .060 |
| 20 | 14.03 | 32.17 | 24.02 | .080 |
| 25 | 12.89 | 32.14 | 24.22 | .099 |
| 30 | 10.70 | 32.17 | 24.65 | .117 |
| 35 | 9.93 | 32.34 | 24.91 | .132 |
| 40 | 9.70 | 32.36 | 24.97 | .148 |
| 45 | 8.91 | 32.32 | 25.06 | .163 |
| 50 | 8.23 | 32.39 | 25.21 | .177 |
| 75 | 7.28 | 32.66 | 25.56 | .241 |
| 100 | 7.00 | 32.98 | 25.85 | .299 |
| 150 | 6.95 | 33.62 | 26.36 | .394 |
| 200 | 6.36 | 33.87 | 26.63 | .471 |
| 300 | 5.34 | 33.93 | 26.81 | .607 |
| 500 | 4.60 | 34.14 | 27.06 | .839 |
| 750 | 3.95 | 34.31 | 27.27 | 1.082 |
| 1000 | 3.42 | 34.41 | 27.40 | 1.288 |
| 1250 | 2.90 | 34.49 | 27.51 | 1.465 |
| 1380 | 2.78 | 34.51 | 27.53 | |

CAST RP-7-OC-006 DATE 07 SEP 73 TIME 1326 GMT
LAT 48 39.6N LONG 126 57.6W WEATHER 1 SEA STATE 2
BAROMETER 20 WIND DIR 320 T SPD 14 KT VISIBILITY 7
CLOUD 8 AMOUNT 1 DRY 13.9 WET 12.5 DEPTH 2041 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 13.50 | 32.11 | 24.08 | 0.000 |
| 2 | 13.51 | 32.11 | 24.08 | |
| 5 | 13.53 | 32.13 | 24.09 | .019 |
| 10 | 13.58 | 32.11 | 24.07 | .038 |
| 15 | 12.67 | 32.18 | 24.23 | .058 |
| 20 | 12.24 | 32.23 | 24.42 | .076 |
| 25 | 11.15 | 32.31 | 24.68 | .093 |
| 30 | 10.37 | 32.34 | 24.84 | .109 |
| 35 | 9.70 | 32.36 | 24.96 | .124 |
| 40 | 9.14 | 32.44 | 25.11 | .139 |
| 45 | 8.65 | 32.47 | 25.22 | .153 |
| 50 | 8.24 | 32.50 | 25.30 | .167 |
| 75 | 7.29 | 32.65 | 25.55 | .230 |
| 100 | 7.20 | 32.92 | 25.78 | .289 |
| 150 | 7.26 | 33.50 | 26.23 | .391 |
| 200 | 7.02 | 33.81 | 26.50 | .475 |
| 300 | 5.82 | 33.97 | 26.79 | .619 |
| 500 | 4.46 | 34.20 | 27.12 | .843 |
| 750 | 3.83 | 34.35 | 27.31 | 1.071 |
| 1000 | 3.28 | 34.43 | 27.43 | 1.266 |
| 1250 | 2.92 | 34.49 | 27.50 | 1.441 |
| 1478 | 2.58 | 34.52 | 27.56 | |



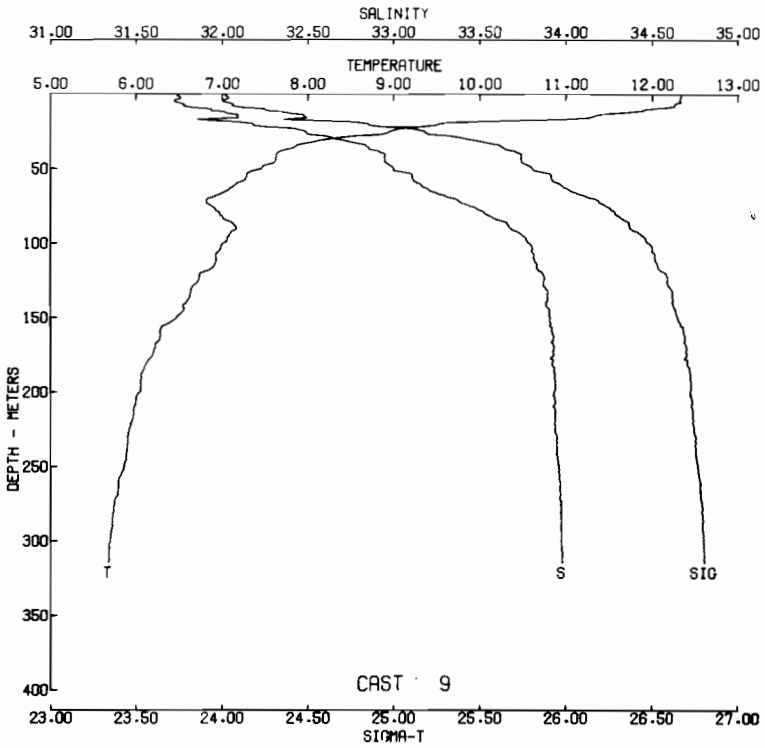



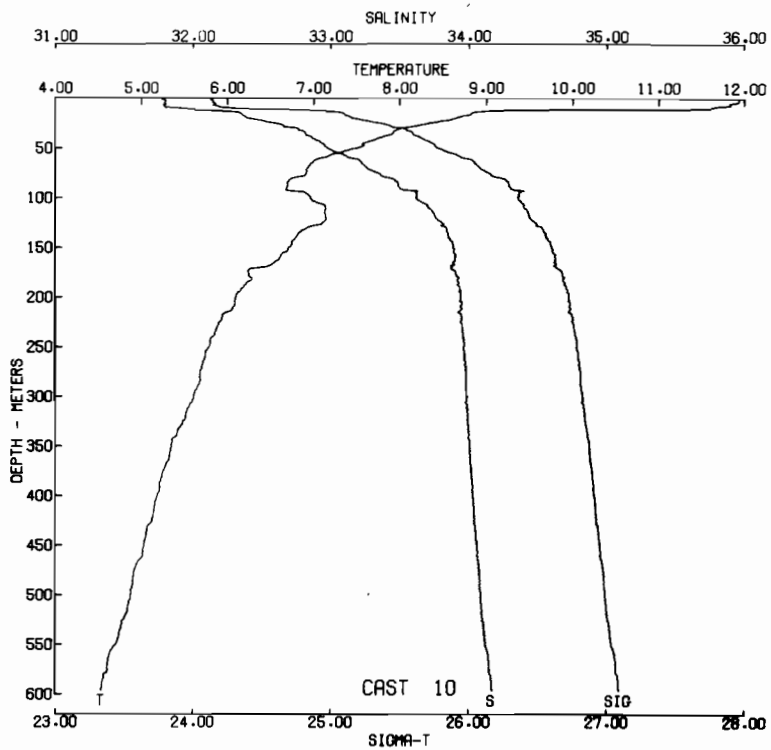

CAST RP-7-OC-007 DATE 07 SEP 73 TIME 1712 GMT
LAT 49 00.2N LONG 126 28.6W WEATHER 1 SEA STATE 3
BAROMETER 21 WIND DIR 305 T SPD 16 KT VISIBILITY 9
CLOUD 0 AMOUNT 1 DRY 13.2 WET 12.3 DEPTH 0132 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 10.19 | 32.10 | 24.68 | 0.000 |
| 2 | 10.30 | 32.09 | 24.65 | |
| 5 | 10.46 | 32.07 | 24.62 | .017 |
| 10 | 9.73 | 32.25 | 24.87 | .033 |
| 15 | 8.92 | 32.37 | 25.09 | .048 |
| 20 | 8.35 | 32.67 | 25.42 | .061 |
| 25 | 8.10 | 32.81 | 25.57 | .074 |
| 30 | 7.94 | 32.91 | 25.67 | .086 |
| 35 | 7.89 | 32.97 | 25.72 | .097 |
| 40 | 7.58 | 33.02 | 25.80 | .109 |
| 45 | 7.03 | 33.05 | 25.90 | .119 |
| 50 | 6.94 | 33.23 | 26.06 | .129 |
| 75 | 6.04 | 33.46 | 26.25 | .176 |
| 100 | 6.89 | 33.75 | 26.48 | .218 |
| 126 | 6.39 | 33.82 | 26.60 | |

CAST RP-7-OC-008 DATE 07 SEP 73 TIME 1837 GMT
LAT 49 00.1N LONG 126 36.6W WEATHER 0 SEA STATE 3
BAROMETER 22 WIND DIR 285 T SPD 15 KT VISIBILITY 9
CLOUD 0 AMOUNT 1 DRY 14.4 WET 13.0 DEPTH 0323 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 12.30 | 31.77 | 24.05 | 0.000 |
| 4 | 11.64 | 31.91 | 24.20 | |
| 5 | 11.49 | 31.98 | 24.30 | .019 |
| 10 | 11.07 | 32.01 | 24.46 | .036 |
| 15 | 9.14 | 32.36 | 25.06 | .052 |
| 20 | 8.31 | 32.64 | 25.40 | .066 |
| 25 | 7.82 | 32.76 | 25.57 | .078 |
| 30 | 7.74 | 32.86 | 25.65 | .090 |
| 35 | 7.42 | 33.01 | 25.81 | .101 |
| 40 | 7.21 | 33.09 | 25.91 | .112 |
| 45 | 7.08 | 33.16 | 25.99 | .123 |
| 50 | 6.98 | 33.18 | 26.01 | .133 |
| 75 | 7.16 | 33.50 | 26.30 | .179 |
| 100 | 7.12 | 33.75 | 26.44 | .221 |
| 150 | 6.58 | 33.88 | 26.63 | .297 |
| 200 | 6.25 | 33.91 | 26.68 | .367 |
| 300 | 6.21 | 33.92 | 26.69 | .507 |
| 320 | 6.05 | 33.94 | 26.73 | |



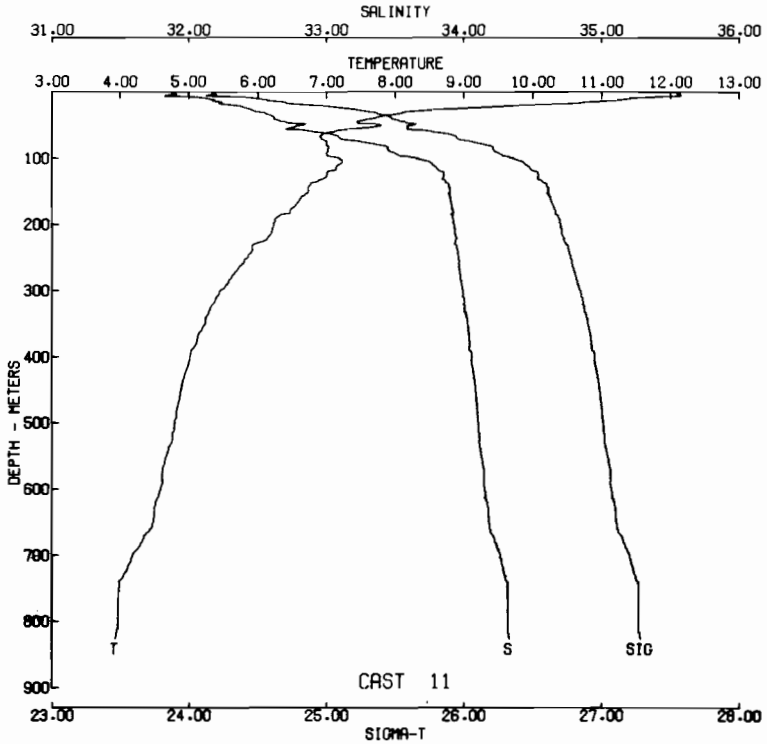




CAST RP-7-OC-009 DATE 07 SEP 73 TIME 1933 GMT
LAT 49 00.2N LONG 126 46.4W WEATHER 1 SEA STATE 4
BAROMETER 24 WIND DIR 295 T SPD 11 KT VISIBILITY 9
CLOUD 0 AMOUNT 1 DRY 13.8 WET 12.6 DEPTH 0317 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 12.36 | 31.73 | 24.01 | 0.000 |
| 1 | 12.34 | 31.74 | 24.02 | |
| 5 | 12.34 | 31.72 | 24.01 | .020 |
| 10 | 11.93 | 31.94 | 24.25 | .039 |
| 15 | 11.31 | 32.09 | 24.48 | .057 |
| 20 | 9.53 | 32.18 | 24.85 | .073 |
| 25 | 8.96 | 32.49 | 25.18 | .088 |
| 30 | 8.25 | 32.66 | 25.42 | .102 |
| 35 | 7.85 | 32.84 | 25.63 | .114 |
| 40 | 7.63 | 32.95 | 25.74 | .126 |
| 45 | 7.61 | 32.95 | 25.74 | .137 |
| 50 | 7.46 | 33.00 | 25.81 | .148 |
| 75 | 6.88 | 33.45 | 26.23 | .198 |
| 100 | 7.01 | 33.79 | 26.49 | .240 |
| 150 | 6.47 | 33.91 | 26.65 | .315 |
| 200 | 6.05 | 33.93 | 26.73 | .383 |
| 300 | 5.70 | 33.98 | 26.80 | .515 |
| 314 | 5.68 | 33.98 | 26.81 | |

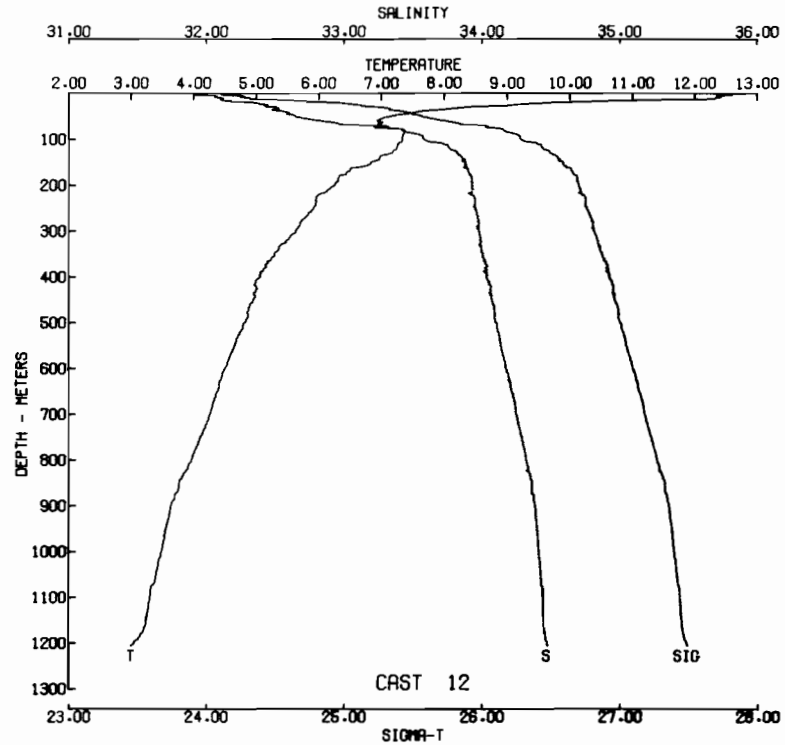
CAST RP-7-OC-010 DATE 07 SEP 73 TIME 2030 GMT
LAT 49 00.0N LONG 126 53.2W WEATHER 1 SEA STATE 3
BAROMETER 23 WIND DIR 290 T SPD 11 KT VISIBILITY 9
CLOUD 0 AMOUNT 1 DRY 14.2 WET 12.5 DEPTH 0598 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 11.98 | 31.79 | 24.12 | 0.000 |
| 1 | 11.93 | 31.77 | 24.12 | |
| 5 | 11.83 | 31.79 | 24.15 | .019 |
| 10 | 11.59 | 31.90 | 24.28 | .038 |
| 15 | 8.82 | 32.35 | 25.09 | .054 |
| 20 | 8.65 | 32.39 | 25.15 | .068 |
| 25 | 8.34 | 32.59 | 25.36 | .081 |
| 30 | 8.02 | 32.74 | 25.52 | .094 |
| 35 | 7.91 | 32.81 | 25.59 | .107 |
| 40 | 7.74 | 32.86 | 25.66 | .118 |
| 45 | 7.57 | 32.93 | 25.73 | .130 |
| 50 | 7.50 | 32.97 | 25.78 | .141 |
| 75 | 6.91 | 33.34 | 26.15 | .192 |
| 100 | 6.96 | 33.62 | 26.36 | .236 |
| 150 | 6.71 | 33.88 | 26.60 | .315 |
| 200 | 6.09 | 33.94 | 26.72 | .385 |
| 300 | 5.61 | 33.39 | 26.82 | .516 |
| 500 | 4.87 | 34.09 | 26.99 | .756 |
| 596 | 4.53 | 34.17 | 27.09 | |



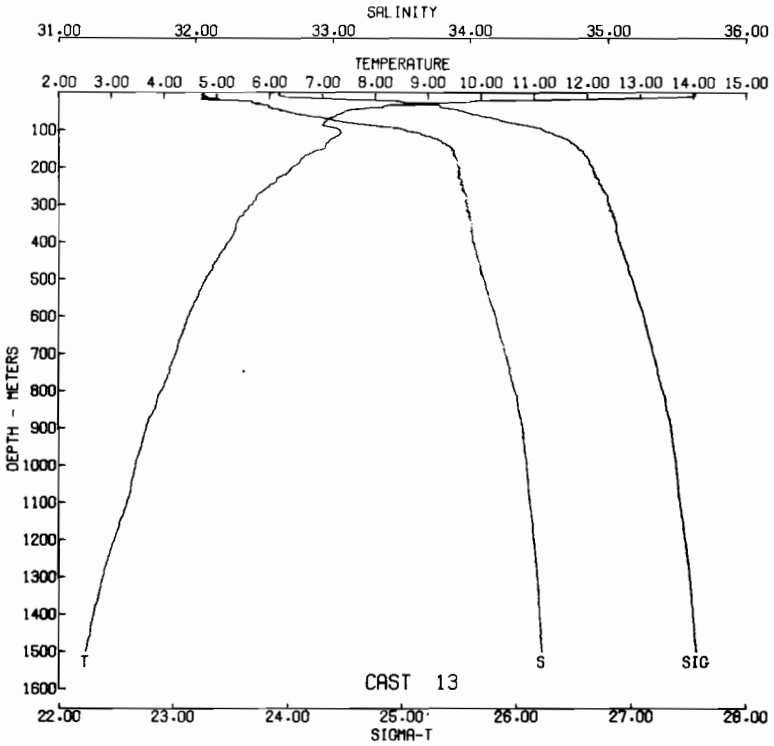

CAST RP-7-CC-011 DATE 07 SEP 73 TIME 2144 GMT
LAT 48 59.4N LONG 126 57.0W WEATHER 1 SEA STATE 3
BAROMETER 23 WIND DIR 290 T SPD 11 KT VISIBILITY 9
CLOUD 0 AMOUNT 1 DRY 14.8 WET 12.8 DEPTH 0830 M

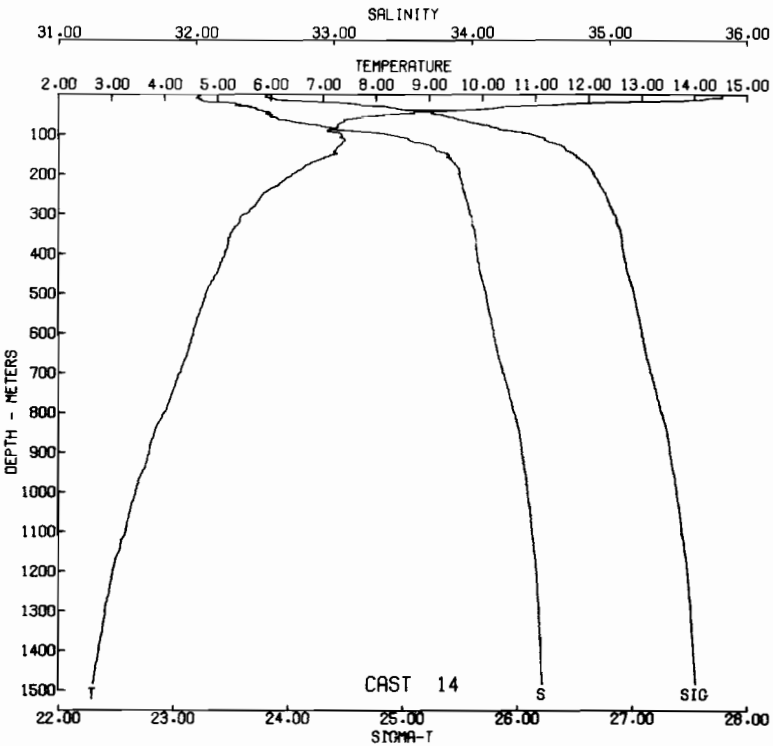
| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 12.19 | 31.88 | 24.16 | 0.000 |
| 1 | 12.10 | 31.87 | 24.17 | |
| 5 | 12.16 | 31.85 | 24.14 | .019 |
| 10 | 11.42 | 32.13 | 24.49 | .037 |
| 15 | 10.76 | 32.22 | 24.68 | .054 |
| 20 | 9.86 | 32.32 | 24.91 | .070 |
| 25 | 8.80 | 32.43 | 25.16 | .084 |
| 30 | 8.15 | 32.49 | 25.30 | .098 |
| 35 | 7.86 | 32.59 | 25.43 | .111 |
| 40 | 7.68 | 32.62 | 25.47 | .124 |
| 45 | 7.44 | 32.70 | 25.57 | .136 |
| 50 | 7.79 | 32.83 | 25.62 | .148 |
| 75 | 7.00 | 33.25 | 26.06 | .203 |
| 100 | 7.19 | 33.65 | 26.35 | .249 |
| 150 | 6.73 | 33.90 | 26.61 | .325 |
| 200 | 6.23 | 33.93 | 26.70 | .396 |
| 300 | 5.45 | 34.00 | 26.85 | .528 |
| 500 | 4.79 | 34.11 | 27.01 | .761 |
| 750 | 3.98 | 34.31 | 27.27 | 1.015 |
| 826 | 3.92 | 34.33 | 27.28 | |




CAST RP-7-CC-012 DATE 07 SEP 73 TIME 2257 GMT
LAT 48 59.2N LONG 127 01.3W WEATHER 1 SEA STATE 3
BAROMETER 23 WIND DIR 290 T SPD 10 KT VISIBILITY 7
CLOUD 0 AMOUNT 2 DRY 15.0 WET 13.0 DEPTH 1206 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 12.66 | 31.78 | 23.99 | 0.000 |
| 3 | 12.68 | 31.92 | 24.11 | |
| 5 | 12.35 | 32.03 | 24.24 | .019 |
| 10 | 12.34 | 32.11 | 24.31 | .038 |
| 15 | 11.21 | 32.12 | 24.52 | .055 |
| 20 | 9.05 | 32.33 | 24.92 | .072 |
| 25 | 9.11 | 32.45 | 25.13 | .086 |
| 30 | 8.39 | 32.51 | 25.28 | .100 |
| 35 | 7.99 | 32.49 | 25.33 | .114 |
| 40 | 7.58 | 32.55 | 25.44 | .127 |
| 45 | 7.37 | 32.59 | 25.49 | .139 |
| 50 | 7.15 | 32.65 | 25.57 | .152 |
| 75 | 7.10 | 33.27 | 26.06 | .207 |
| 100 | 7.33 | 33.56 | 26.28 | .253 |
| 150 | 6.83 | 33.88 | 26.56 | .332 |
| 200 | 6.24 | 33.93 | 26.70 | .403 |
| 300 | 5.64 | 33.98 | 26.81 | .536 |
| 500 | 4.82 | 34.10 | 27.08 | .773 |
| 750 | 4.11 | 34.29 | 27.23 | 1.026 |
| 1000 | 3.48 | 34.41 | 27.39 | 1.233 |
| 1205 | 3.00 | 34.48 | 27.49 | |



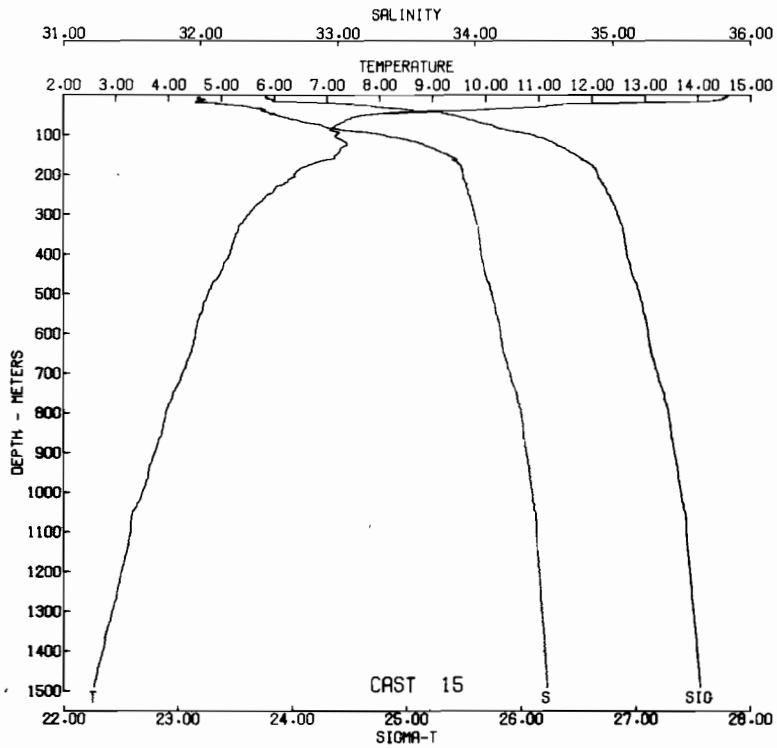



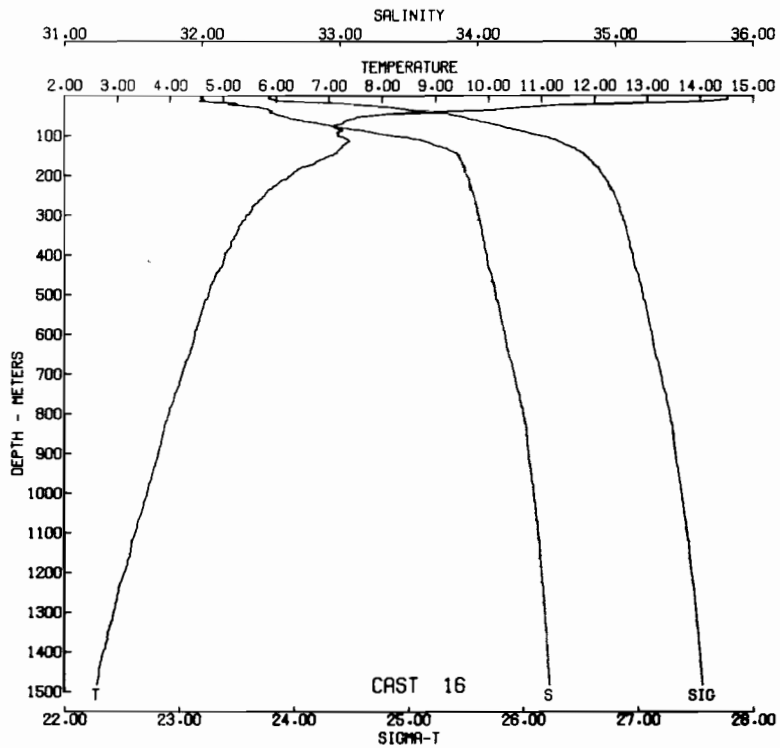

CAST RP-7-OC-013 DATE 09 SEP 73 TIME 0134 GMT
LAT 48 59.8N LONG 127 09.7W WEATHER 4 SEA STATE 2
BAROMETER 23 WIND DIR 209 T SPD 10 KT VISIBILITY 2
CLOUD X AMOUNT 9 DRY 15.0 WET 14.8 DEPTH 1775 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.03 | 32.06 | 23.93 | 0.000 |
| 3 | 14.03 | 32.05 | 23.93 | |
| 5 | 14.04 | 32.05 | 23.92 | .020 |
| 10 | 13.99 | 32.07 | 23.95 | .040 |
| 15 | 12.86 | 32.06 | 24.17 | .059 |
| 20 | 10.90 | 32.18 | 24.63 | .077 |
| 25 | 9.75 | 32.41 | 25.00 | .093 |
| 30 | 8.97 | 32.47 | 25.16 | .107 |
| 35 | 8.20 | 32.53 | 25.33 | .121 |
| 40 | 8.15 | 32.53 | 25.34 | .134 |
| 45 | 7.64 | 32.60 | 25.46 | .147 |
| 50 | 7.44 | 32.65 | 25.53 | .160 |
| 75 | 7.08 | 33.00 | 25.86 | .218 |
| 100 | 7.30 | 33.52 | 26.23 | .267 |
| 150 | 7.04 | 33.36 | 26.54 | .349 |
| 200 | 6.43 | 33.31 | 26.66 | .422 |
| 300 | 5.68 | 33.97 | 26.80 | .557 |
| 500 | 4.79 | 34.10 | 27.01 | .797 |
| 750 | 4.10 | 34.29 | 27.23 | 1.049 |
| 1000 | 3.46 | 34.41 | 27.39 | 1.256 |
| 1250 | 2.94 | 34.48 | 27.50 | 1.438 |
| 1500 | 2.51 | 34.52 | 27.57 | 1.600 |

CAST RP-7-OC-014 DATE 10 SEP 73 TIME 0546 GMT
LAT 48 59.7N LONG 127 19.6W WEATHER 1 SEA STATE 3
BAROMETER 23 WIND DIR 350 T SPD 12 KT VISIBILITY 6
CLOUD X AMOUNT 9 DRY 15.2 WET 14.8 DEPTH 2045 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.56 | 32.04 | 23.81 | 0.000 |
| 3 | 14.53 | 32.03 | 23.80 | |
| 5 | 14.51 | 32.01 | 23.79 | .021 |
| 10 | 14.21 | 32.02 | 23.87 | .041 |
| 15 | 13.78 | 32.04 | 23.97 | .061 |
| 20 | 12.22 | 32.23 | 24.42 | .080 |
| 25 | 11.46 | 32.32 | 24.63 | .097 |
| 30 | 10.45 | 32.39 | 24.86 | .113 |
| 35 | 10.14 | 32.43 | 24.95 | .129 |
| 40 | 9.35 | 32.48 | 25.11 | .143 |
| 45 | 8.71 | 32.53 | 25.25 | .157 |
| 50 | 8.33 | 32.51 | 25.30 | .171 |
| 75 | 7.27 | 32.81 | 25.68 | .234 |
| 100 | 7.34 | 33.39 | 26.13 | .287 |
| 150 | 7.19 | 33.82 | 26.49 | .373 |
| 200 | 6.41 | 33.91 | 26.66 | .447 |
| 300 | 5.50 | 33.98 | 26.83 | .580 |
| 500 | 4.78 | 34.10 | 27.01 | .816 |
| 750 | 4.15 | 34.27 | 27.22 | 1.073 |
| 1000 | 3.45 | 34.41 | 27.39 | 1.283 |
| 1250 | 2.96 | 34.48 | 27.49 | 1.463 |
| 1483 | 2.64 | 34.51 | 27.55 | |



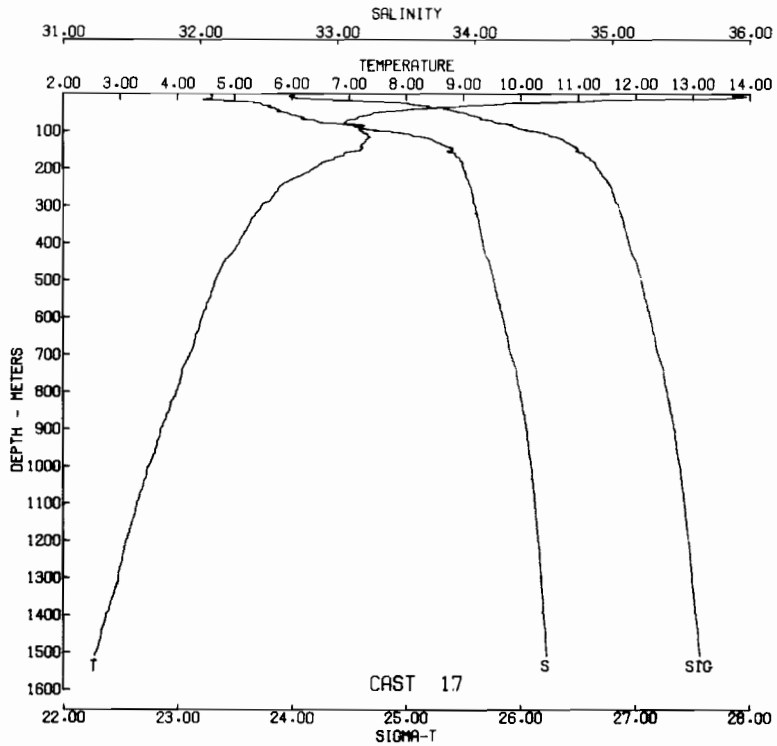



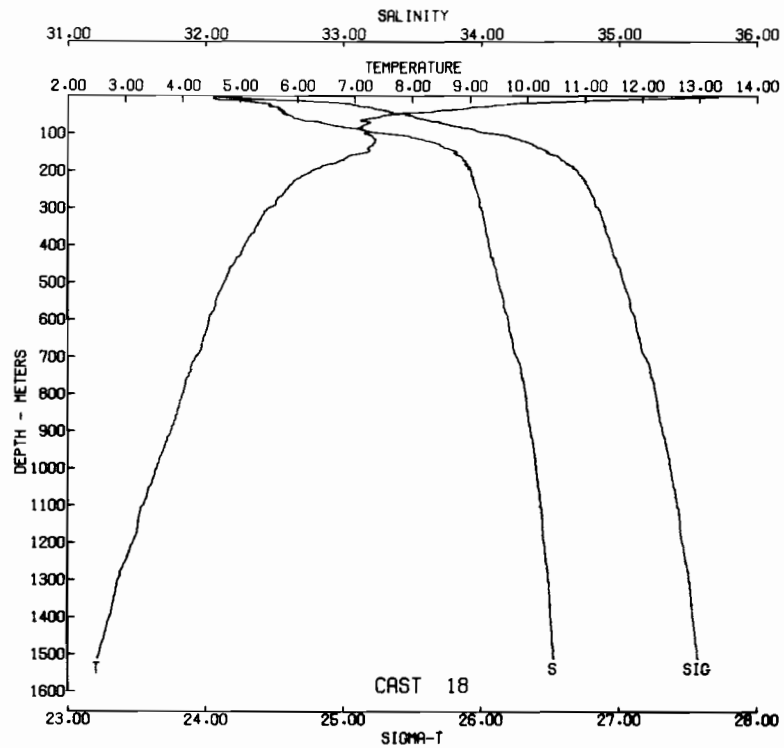

CAST RP-7-OC-015 DATE 10 SEP 73 TIME 0715 GMT
LAT 48 59.6N LONG 127 17.5W WEATHER 0 SEA STATE 4
BAROMETER 23 WIND DIR 340 T SPD 11 KT VISIBILITY 6
CLOUD X AMOUNT 0 DRY 14.4 WET DEPTH 1951 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.61 | 32.00 | 23.77 | 0.000 |
| 2 | 14.57 | 31.99 | 23.77 | |
| 5 | 14.56 | 31.99 | 23.77 | .021 |
| 10 | 14.49 | 32.00 | 23.79 | .041 |
| 15 | 14.22 | 31.97 | 23.83 | .062 |
| 20 | 12.36 | 32.12 | 24.31 | .081 |
| 25 | 11.31 | 32.21 | 24.57 | .099 |
| 30 | 11.01 | 32.37 | 24.75 | .115 |
| 35 | 10.12 | 32.45 | 24.97 | .131 |
| 40 | 9.11 | 32.44 | 25.12 | .146 |
| 45 | 8.17 | 32.50 | 25.31 | .159 |
| 50 | 7.76 | 32.56 | 25.41 | .172 |
| 75 | 7.17 | 32.88 | 25.75 | .233 |
| 100 | 7.16 | 33.33 | 26.11 | .286 |
| 150 | 7.16 | 33.80 | 26.48 | .373 |
| 200 | 6.38 | 33.91 | 26.67 | .447 |
| 300 | 5.52 | 33.39 | 26.84 | .580 |
| 500 | 4.74 | 34.12 | 27.03 | .815 |
| 750 | 4.08 | 34.30 | 27.25 | 1.067 |
| 1000 | 3.49 | 34.42 | 27.39 | 1.275 |
| 1250 | 3.01 | 34.48 | 27.49 | 1.456 |
| 1490 | 2.58 | 34.52 | 27.56 | |

CAST RP-7-OC-016 DATE 10 SEP 73 TIME 0845 GMT
LAT 48 58.5N LONG 127 16.0W WEATHER 0 SEA STATE 4
BAROMETER 22 WIND DIR 330 T SPD 15 KT VISIBILITY 6
CLOUD X AMOUNT 0 DRY 14.6 WET 13.9 DEPTH 1966 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.53 | 32.01 | 23.79 | 0.000 |
| 5 | 14.53 | 31.99 | 23.78 | .021 |
| 10 | 14.42 | 32.01 | 23.82 | .041 |
| 15 | 13.72 | 32.04 | 23.98 | .062 |
| 20 | 12.24 | 32.24 | 24.43 | .080 |
| 25 | 11.11 | 32.29 | 24.67 | .097 |
| 30 | 10.54 | 32.41 | 24.87 | .113 |
| 35 | 10.10 | 32.48 | 24.99 | .128 |
| 40 | 9.09 | 32.50 | 25.17 | .143 |
| 45 | 8.20 | 32.52 | 25.32 | .157 |
| 50 | 7.83 | 32.55 | 25.40 | .170 |
| 75 | 7.09 | 32.93 | 25.80 | .238 |
| 100 | 7.15 | 33.38 | 26.14 | .282 |
| 150 | 7.02 | 33.66 | 26.54 | .365 |
| 200 | 6.27 | 33.92 | 26.69 | .438 |
| 300 | 5.44 | 34.00 | 26.85 | .568 |
| 500 | 4.71 | 34.13 | 27.04 | .799 |
| 750 | 4.08 | 34.30 | 27.24 | 1.048 |
| 1000 | 3.55 | 34.41 | 27.38 | 1.258 |
| 1250 | 3.01 | 34.48 | 27.49 | 1.441 |
| 1482 | 2.60 | 34.52 | 27.56 | |



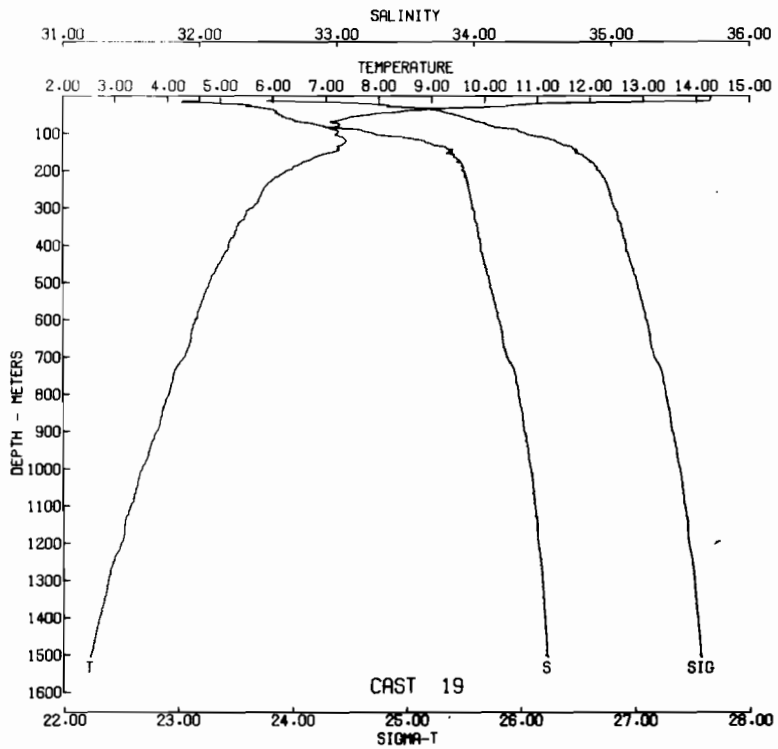



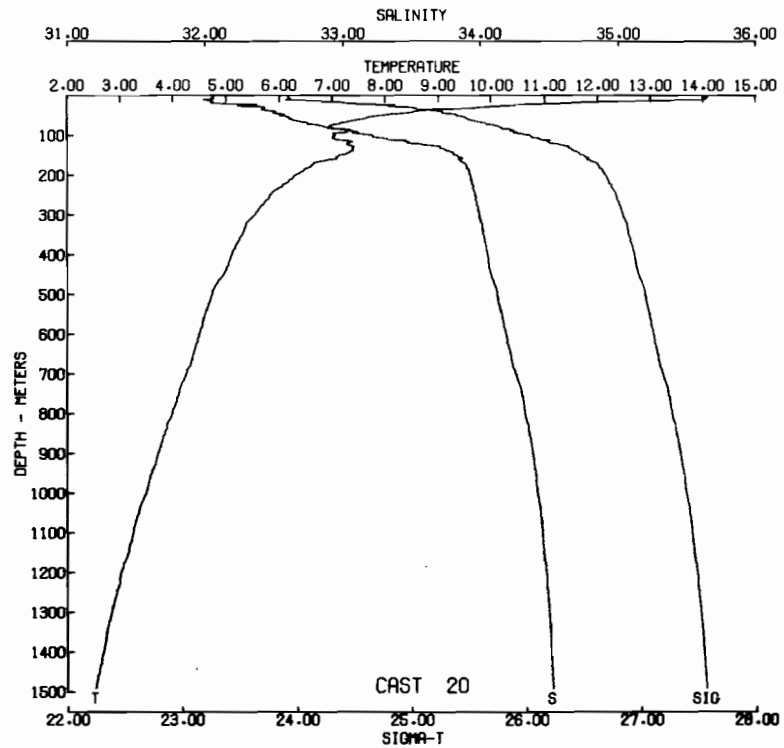

CAST RP-7-CC-017 DATE 10 SEP 73 TIME 1018 GMT
LAT 48 59.0N LONG 127 21.2W WEATHER 0 SEA STATE 4
BAROMETER 22 WIND DIR 330 T SPD 16 KT VISIBILITY 6
CLOUD X AMOUNT 0 DRY 14.5 WET 13.9 DEPTH 2048 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 13.55 | 32.07 | 24.04 | 0.000 |
| 3 | 13.76 | 32.08 | 24.06 | |
| 5 | 13.77 | 32.09 | 24.01 | .020 |
| 10 | 13.74 | 32.08 | 24.01 | .039 |
| 15 | 12.17 | 32.04 | 24.28 | .058 |
| 20 | 11.07 | 32.26 | 24.66 | .076 |
| 25 | 9.71 | 32.43 | 25.02 | .091 |
| 30 | 9.30 | 32.45 | 25.10 | .106 |
| 35 | 8.73 | 32.50 | 25.23 | .120 |
| 40 | 8.17 | 32.55 | 25.35 | .133 |
| 45 | 7.84 | 32.57 | 25.41 | .146 |
| 50 | 7.43 | 32.61 | 25.50 | .159 |
| 75 | 6.93 | 32.86 | 25.77 | .218 |
| 100 | 7.22 | 33.35 | 26.11 | .270 |
| 150 | 7.16 | 33.84 | 26.50 | .355 |
| 200 | 6.37 | 33.92 | 26.67 | .429 |
| 300 | 5.47 | 34.01 | 26.85 | .560 |
| 500 | 4.67 | 34.14 | 27.05 | .791 |
| 750 | 4.08 | 34.30 | 27.25 | 1.038 |
| 1000 | 3.49 | 34.42 | 27.39 | 1.246 |
| 1250 | 3.04 | 34.48 | 27.49 | 1.429 |
| 1500 | 2.56 | 34.52 | 27.56 | 1.592 |
| 1508 | 2.55 | 34.52 | 27.57 | |

CAST RP-7-CC-018 DATE 10 SEP 73 TIME 1147 GMT
LAT 48 59.7N LONG 127 19.3W WEATHER 1 SEA STATE 4
BAROMETER 21 WIND DIR 330 T SPD 15 KT VISIBILITY 6
CLOUD X AMOUNT 9 DRY 14.4 WET 13.9 DEPTH 2033 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 13.37 | 32.07 | 24.08 | 0.000 |
| 1 | 13.26 | 32.07 | 24.10 | |
| 5 | 13.04 | 32.06 | 24.13 | .019 |
| 10 | 11.68 | 32.08 | 24.40 | .037 |
| 15 | 10.74 | 32.28 | 24.72 | .054 |
| 20 | 9.78 | 32.41 | 24.99 | .070 |
| 25 | 9.43 | 32.45 | 25.08 | .084 |
| 30 | 9.03 | 32.50 | 25.18 | .099 |
| 35 | 8.85 | 32.54 | 25.24 | .113 |
| 40 | 8.40 | 32.55 | 25.32 | .126 |
| 45 | 7.99 | 32.55 | 25.37 | .139 |
| 50 | 7.64 | 32.59 | 25.46 | .152 |
| 75 | 7.21 | 32.87 | 25.74 | .213 |
| 100 | 7.16 | 33.28 | 26.07 | .266 |
| 150 | 7.22 | 33.83 | 26.49 | .352 |
| 200 | 6.24 | 33.93 | 26.70 | .426 |
| 300 | 5.50 | 34.00 | 26.85 | .557 |
| 500 | 4.71 | 34.12 | 27.03 | .790 |
| 750 | 4.10 | 34.29 | 27.24 | 1.040 |
| 1000 | 3.54 | 34.40 | 27.38 | 1.252 |
| 1250 | 2.99 | 34.48 | 27.49 | 1.435 |
| 1500 | 2.53 | 34.52 | 27.57 | 1.597 |
| 1510 | 2.51 | 34.53 | 27.58 | |



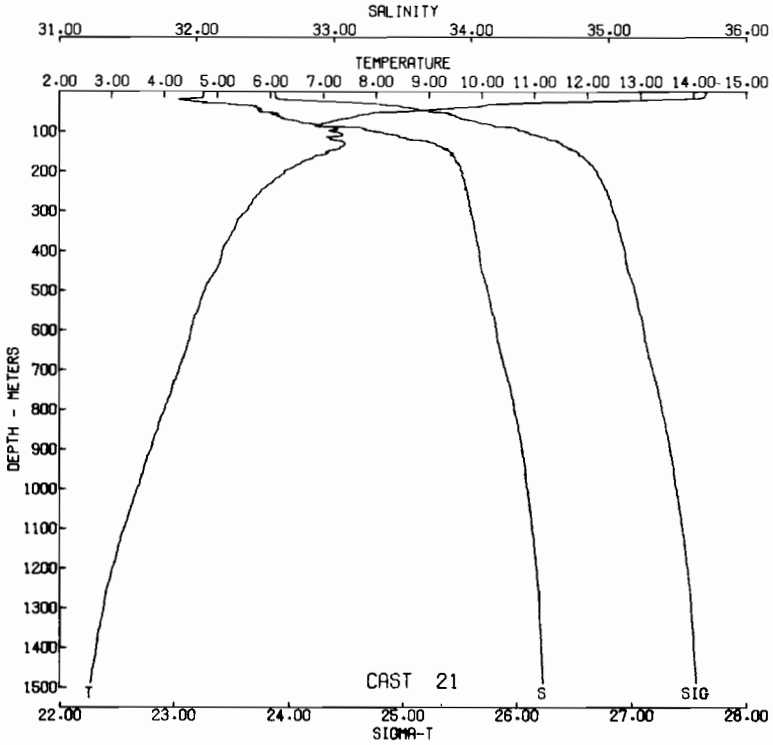



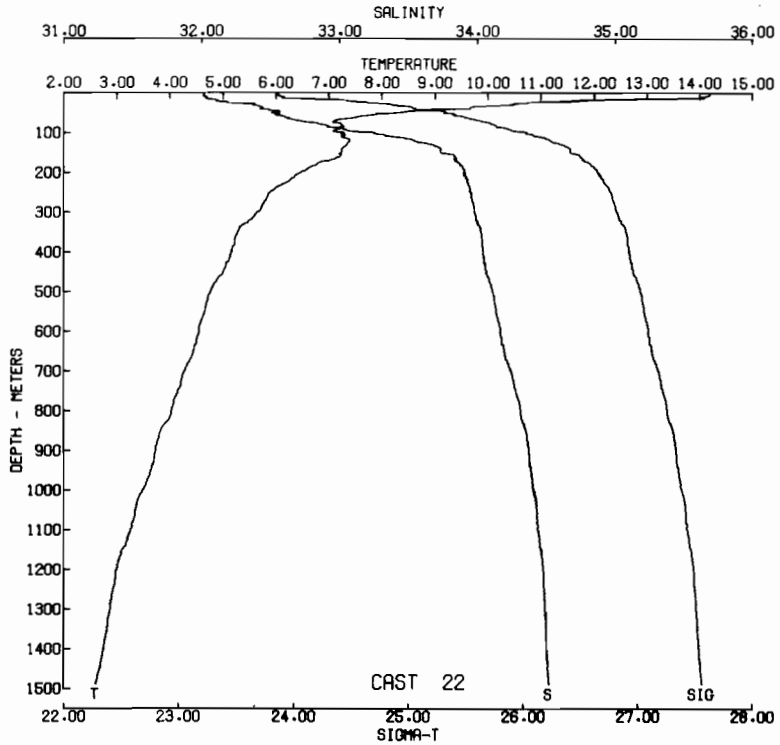

CAST RP-7-CC-019 DATE 10 SEP 73 TIME 1315 GMT
LAT 48 59.7N LONG 127 19.6W WEATHER 4 SEA STATE 4
BAROMETER 20 WIND DIR 352 T SPD 16 KT VISIBILITY 1
CLOUD X AMOUNT 9 DRY 13.7 WET 13.4 DEPTH 2033 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.28 | 32.00 | 23.84 | 0.000 |
| 3 | 14.27 | 32.00 | 23.84 | |
| 5 | 14.27 | 32.00 | 23.84 | .020 |
| 10 | 14.27 | 32.00 | 23.84 | .041 |
| 15 | 13.22 | 31.88 | 23.95 | .061 |
| 20 | 10.95 | 32.18 | 24.61 | .079 |
| 25 | 10.47 | 32.36 | 24.84 | .095 |
| 30 | 9.64 | 32.42 | 25.02 | .111 |
| 35 | 8.91 | 32.51 | 25.20 | .125 |
| 40 | 8.46 | 32.56 | 25.31 | .139 |
| 45 | 8.19 | 32.56 | 25.36 | .152 |
| 50 | 7.82 | 32.58 | 25.42 | .165 |
| 75 | 7.24 | 32.83 | 25.70 | .226 |
| 100 | 7.21 | 33.27 | 26.05 | .279 |
| 150 | 7.11 | 33.82 | 26.50 | .366 |
| 200 | 6.24 | 33.92 | 26.69 | .439 |
| 300 | 5.58 | 33.98 | 26.82 | .570 |
| 500 | 4.78 | 34.11 | 27.02 | .807 |
| 750 | 4.09 | 34.30 | 27.24 | 1.060 |
| 1000 | 3.49 | 34.41 | 27.39 | 1.271 |
| 1250 | 2.94 | 34.48 | 27.50 | 1.453 |
| 1500 | 2.51 | 34.52 | 27.57 | 1.613 |
| 1505 | 2.51 | 34.53 | 27.58 | |

CAST RP-7-OC-020 DATE 10 SEP 73 TIME 1447 GMT
LAT 43 01.0N LONG 127 20.6W WEATHER 4 SEA STATE 3
BAROMETER 20 WIND DIR 010 T SPD 14 KT VISIBILITY 4
CLOUD 6 AMOUNT 1 DRY 14.5 WET 14.0 DEPTH 2033 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.14 | 32.00 | 23.92 | 0.000 |
| 3 | 14.10 | 32.06 | 23.92 | |
| 5 | 14.09 | 32.06 | 23.92 | .020 |
| 10 | 14.00 | 32.06 | 23.94 | .040 |
| 15 | 12.33 | 32.05 | 24.26 | .059 |
| 20 | 11.15 | 32.06 | 24.49 | .077 |
| 25 | 10.39 | 32.36 | 24.85 | .093 |
| 30 | 9.76 | 32.44 | 25.01 | .109 |
| 35 | 9.02 | 32.41 | 25.13 | .123 |
| 40 | 8.53 | 32.51 | 25.27 | .137 |
| 45 | 8.20 | 32.49 | 25.29 | .151 |
| 50 | 7.91 | 32.56 | 25.40 | .164 |
| 75 | 6.97 | 32.82 | 25.73 | .225 |
| 100 | 7.04 | 33.21 | 26.03 | .279 |
| 150 | 7.12 | 33.83 | 26.51 | .367 |
| 200 | 6.30 | 33.93 | 26.69 | .440 |
| 300 | 5.55 | 34.00 | 26.84 | .571 |
| 500 | 4.73 | 34.12 | 27.03 | .806 |
| 750 | 4.10 | 34.30 | 27.24 | 1.057 |
| 1000 | 3.48 | 34.41 | 27.39 | 1.265 |
| 1250 | 2.93 | 34.48 | 27.50 | 1.444 |
| 1490 | 2.53 | 34.52 | 27.57 | |



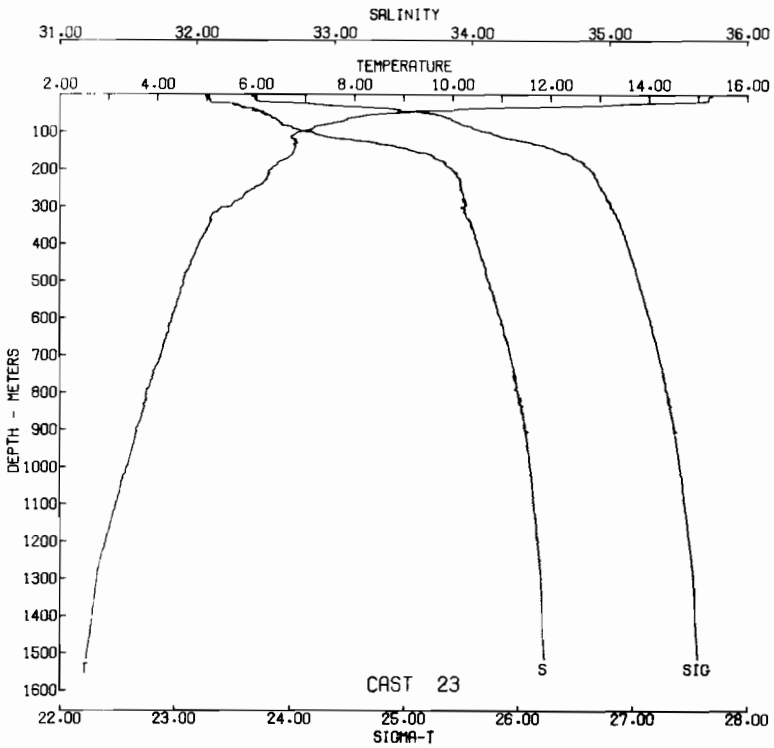



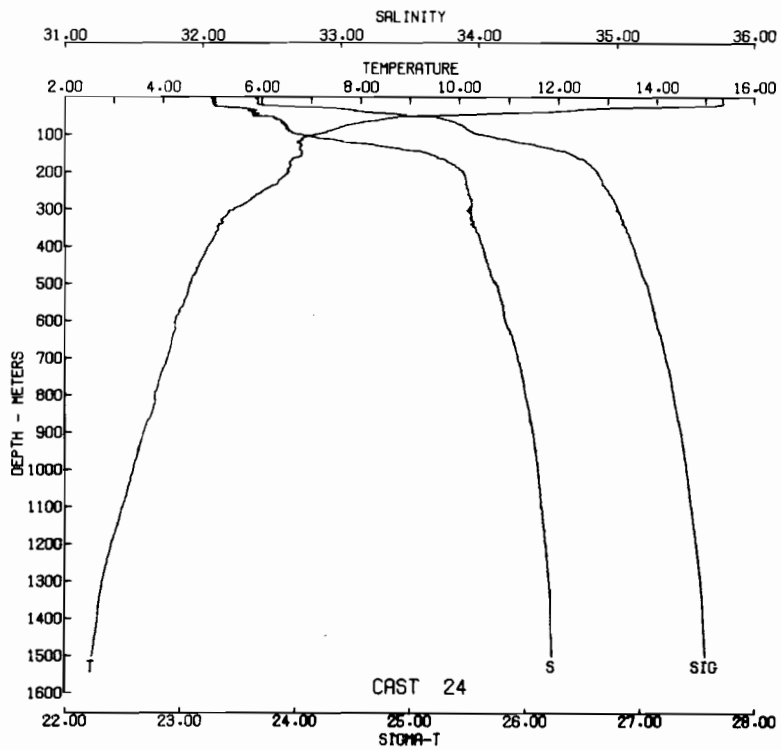

CAST RP-7-CC- 21 DATE 10 SEP 73 TIME 1616 GMT
LAT 49 1.0N LONG 127 20.6W WEATHER 4 SEA STATE 3
BAROMETER 20 WIND DIR 330 T SPD 14 KT VISIBILITY 4
CLOUD 6 AMOUNT 1 DRY 15.0 WET 14.1 DEPTH 2025 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.25 | 32.06 | 23.89 | 0.000 |
| 3 | 14.24 | 32.05 | 23.88 | |
| 5 | 14.25 | 32.05 | 23.88 | .020 |
| 10 | 14.22 | 32.05 | 23.89 | .040 |
| 15 | 14.18 | 32.04 | 23.89 | .060 |
| 20 | 13.33 | 31.88 | 23.94 | .081 |
| 25 | 11.69 | 31.96 | 24.31 | .100 |
| 30 | 10.35 | 32.19 | 24.72 | .117 |
| 35 | 10.05 | 32.32 | 24.88 | .133 |
| 40 | 9.59 | 32.43 | 25.04 | .148 |
| 45 | 9.13 | 32.46 | 25.13 | .162 |
| 50 | 8.52 | 32.45 | 25.22 | .176 |
| 75 | 7.15 | 32.74 | 25.64 | .239 |
| 100 | 7.17 | 33.31 | 26.08 | .293 |
| 150 | 7.08 | 33.85 | 26.52 | .380 |
| 200 | 6.26 | 33.93 | 26.70 | .453 |
| 300 | 5.54 | 33.99 | 26.84 | .584 |
| 500 | 4.75 | 34.12 | 27.03 | .819 |
| 750 | 4.12 | 34.29 | 27.23 | 1.071 |
| 1000 | 3.48 | 34.41 | 27.39 | 1.280 |
| 1250 | 2.90 | 34.49 | 27.51 | 1.459 |
| 1488 | 2.59 | 34.52 | 27.56 | |

CAST RP-7-CC-022 DATE 10 SEP 73 TIME 1745 GMT
LAT 49 00.1N LONG 127 19.1W WEATHER 1 SEA STATE 4
BAROMETER 19 WIND DIR 325 T SPD 11 KT VISIBILITY 4
CLOUD 3 AMOUNT 1 DRY 15.2 WET 14.5 DEPTH 2029 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.21 | 32.02 | 23.87 | 0.000 |
| 2 | 14.20 | 32.01 | 23.86 | |
| 5 | 14.19 | 32.01 | 23.87 | .020 |
| 10 | 14.07 | 32.02 | 23.90 | .040 |
| 15 | 12.89 | 32.04 | 24.15 | .060 |
| 20 | 11.52 | 32.12 | 24.46 | .078 |
| 25 | 10.78 | 32.18 | 24.64 | .095 |
| 30 | 10.45 | 32.37 | 24.85 | .111 |
| 35 | 9.70 | 32.43 | 25.02 | .126 |
| 40 | 9.43 | 32.43 | 25.06 | .141 |
| 45 | 8.68 | 32.49 | 25.22 | .155 |
| 50 | 8.35 | 32.55 | 25.32 | .169 |
| 75 | 7.15 | 32.82 | 25.70 | .231 |
| 100 | 7.29 | 33.25 | 26.03 | .286 |
| 150 | 7.23 | 33.74 | 26.41 | .374 |
| 200 | 6.46 | 33.91 | 26.65 | .450 |
| 300 | 5.64 | 33.98 | 26.81 | .583 |
| 500 | 4.76 | 34.11 | 27.02 | .820 |
| 750 | 4.15 | 34.28 | 27.22 | 1.075 |
| 1000 | 3.49 | 34.41 | 27.39 | 1.285 |
| 1250 | 2.93 | 34.49 | 27.50 | 1.463 |
| 1483 | 2.60 | 34.52 | 27.56 | |



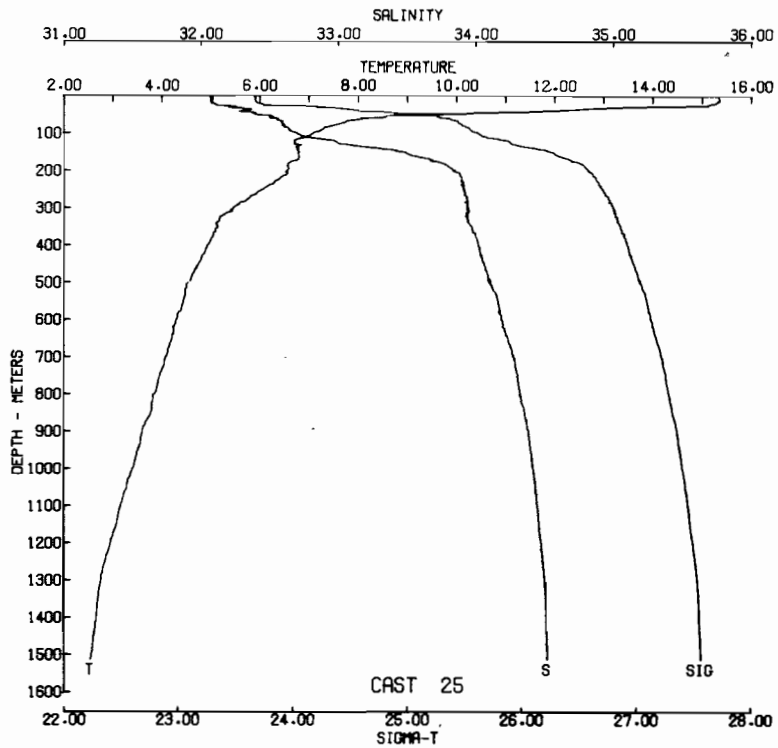



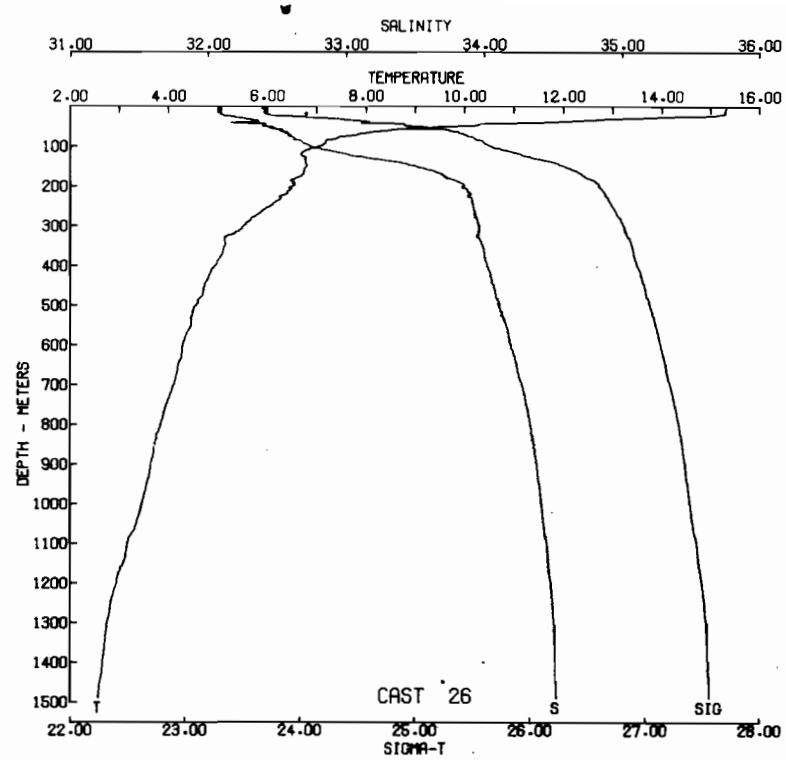

CAST RP-7-OC-023 DATE 10 SEP 73 TIME 2112 GMT
LAT 49 00.9N LONG 128 00.0W WEATHER 1 SEA STATE 4
BAROMETER 18 WIND DIR 330 T SPD 19 KT VISIBILITY 9
CLOUD 3 AMOUNT 1 DRY 17.2 WET 15.5 DEPTH 2501 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.30 | 32.07 | 23.67 | 0.000 |
| 1 | 15.28 | 32.07 | 23.68 | |
| 5 | 15.27 | 32.06 | 23.67 | .021 |
| 10 | 15.21 | 32.09 | 23.71 | .042 |
| 15 | 15.20 | 32.09 | 23.71 | .063 |
| 20 | 14.97 | 32.10 | 23.77 | .084 |
| 25 | 13.46 | 32.25 | 24.20 | .104 |
| 30 | 12.63 | 32.30 | 24.40 | .122 |
| 35 | 10.84 | 32.32 | 24.74 | .139 |
| 40 | 10.05 | 32.42 | 24.96 | .154 |
| 45 | 9.26 | 32.45 | 25.11 | .169 |
| 50 | 8.73 | 32.46 | 25.20 | .183 |
| 75 | 7.57 | 32.60 | 25.47 | .249 |
| 100 | 6.87 | 32.81 | 25.73 | .310 |
| 150 | 6.76 | 33.56 | 26.34 | .409 |
| 200 | 6.30 | 33.85 | 26.63 | .487 |
| 300 | 5.47 | 33.94 | 26.80 | .622 |
| 500 | 4.51 | 34.12 | 27.05 | .854 |
| 750 | 3.91 | 34.31 | 27.27 | 1.095 |
| 1000 | 3.36 | 34.42 | 27.41 | 1.298 |
| 1250 | 2.83 | 34.49 | 27.52 | 1.473 |
| 1500 | 2.54 | 34.52 | 27.57 | 1.632 |
| 1514 | 2.54 | 34.53 | 27.57 | |

CAST RP-7-OC-024 DATE 10 SEP 73 TIME 2246 GMT
LAT 48 59.6N LONG 127 59.3W WEATHER 1 SEA STATE 3
BAROMETER 18 WIND DIR 332 T SPD 17 KT VISIBILITY 8
CLOUD 2 AMOUNT 2 DRY 16.2 WET 15.0 DEPTH 2501 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.36 | 32.07 | 23.66 | 0.000 |
| 5 | 15.35 | 32.09 | 23.68 | .021 |
| 10 | 15.35 | 32.09 | 23.67 | .042 |
| 15 | 15.36 | 32.09 | 23.68 | .064 |
| 20 | 15.32 | 32.08 | 23.68 | .085 |
| 25 | 14.48 | 32.09 | 23.86 | .106 |
| 30 | 12.81 | 32.27 | 24.34 | .125 |
| 35 | 12.33 | 32.38 | 24.51 | .142 |
| 40 | 11.77 | 32.36 | 24.68 | .159 |
| 45 | 10.42 | 32.41 | 24.88 | .175 |
| 50 | 9.46 | 32.36 | 25.00 | .191 |
| 75 | 7.70 | 32.58 | 25.44 | .258 |
| 100 | 7.08 | 32.69 | 25.61 | .320 |
| 150 | 6.79 | 33.63 | 26.39 | .421 |
| 200 | 6.54 | 33.89 | 26.63 | .497 |
| 300 | 5.43 | 33.94 | 26.81 | .634 |
| 500 | 4.55 | 34.13 | 27.06 | .869 |
| 750 | 3.94 | 34.31 | 27.27 | 1.111 |
| 1000 | 3.40 | 34.42 | 27.41 | 1.315 |
| 1250 | 2.86 | 34.49 | 27.51 | 1.491 |
| 1500 | 2.54 | 34.53 | 27.57 | 1.649 |



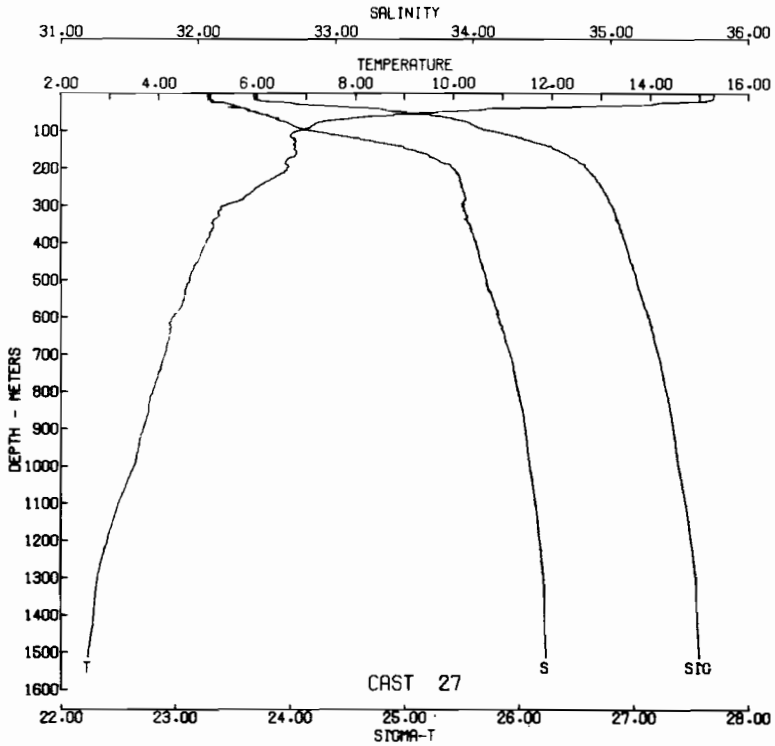



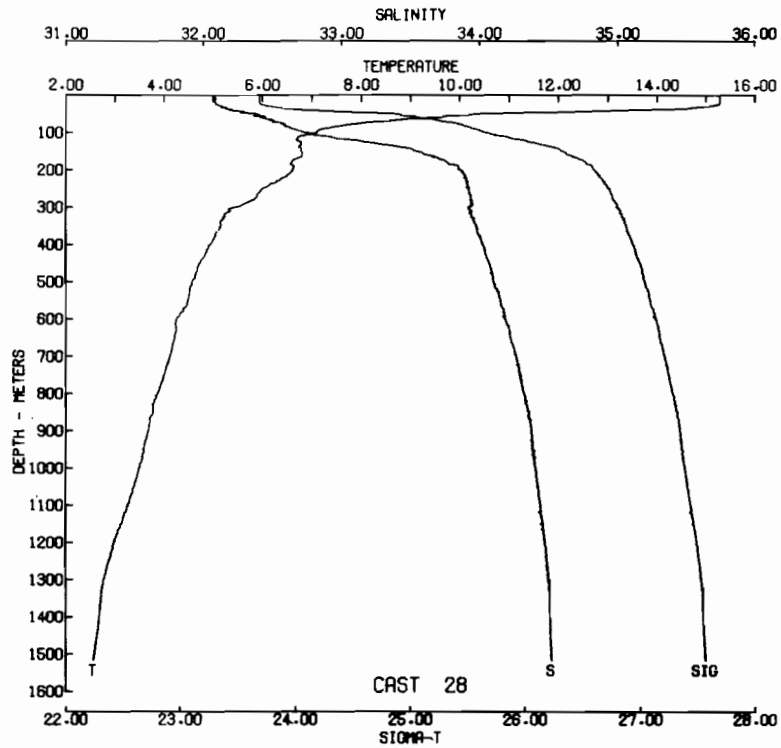

CAST RP-7-OC-025 DATE 11 SEP 73 TIME 0016 GMT
LAT 48 59.8N LONG 127 59.7W WEATHER 1 SEA STATE 3
BAROMETER 17 WIND DIR 325 T SPD 17 KT VISIBILITY 8
CLOUD 0 AMOUNT 1 DRY 16.2 WET 15.0 DEPTH 2501 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.33 | 32.06 | 23.66 | 0.000 |
| 1 | 15.33 | 32.06 | 23.66 | |
| 5 | 15.35 | 32.08 | 23.67 | .021 |
| 10 | 15.36 | 32.08 | 23.67 | .042 |
| 15 | 15.32 | 32.08 | 23.68 | .064 |
| 20 | 15.25 | 32.08 | 23.69 | .085 |
| 25 | 15.10 | 32.11 | 23.75 | .106 |
| 30 | 13.37 | 32.25 | 24.22 | .125 |
| 35 | 12.53 | 32.31 | 24.42 | .144 |
| 40 | 11.80 | 32.32 | 24.56 | .161 |
| 45 | 10.60 | 32.37 | 24.83 | .177 |
| 50 | 9.66 | 32.39 | 25.00 | .192 |
| 75 | 7.63 | 32.59 | 25.46 | .259 |
| 100 | 7.08 | 32.70 | 25.62 | .321 |
| 150 | 6.79 | 33.46 | 26.26 | .427 |
| 200 | 6.56 | 33.85 | 26.59 | .508 |
| 300 | 5.46 | 33.95 | 26.81 | .645 |
| 500 | 4.55 | 34.10 | 27.04 | .882 |
| 750 | 3.96 | 34.30 | 27.26 | 1.127 |
| 1000 | 3.40 | 34.42 | 27.41 | 1.332 |
| 1250 | 2.84 | 34.49 | 27.52 | 1.508 |
| 1500 | 2.56 | 34.52 | 27.56 | 1.666 |
| 1512 | 2.54 | 34.52 | 27.57 | |

CAST RP-7-OC-026 DATE 11 SEP 73 TIME 0146 GMT
LAT 49 00.5N LONG 127 58.1W WEATHER 1 SEA STATE 3
BAROMETER 16 WIND DIR 330 T SPD 17 KT VISIBILITY 8
CLOUD 0 AMOUNT 1 DRY 16.2 WET 15.1 DEPTH 2501 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.32 | 32.07 | 23.67 | 0.000 |
| 1 | 15.32 | 32.08 | 23.68 | |
| 5 | 15.31 | 32.07 | 23.67 | .021 |
| 10 | 15.30 | 32.09 | 23.69 | .042 |
| 15 | 15.30 | 32.09 | 23.69 | .063 |
| 20 | 15.21 | 32.09 | 23.71 | .084 |
| 25 | 14.48 | 32.15 | 23.91 | .105 |
| 30 | 13.28 | 32.26 | 24.24 | .124 |
| 35 | 12.42 | 32.34 | 24.47 | .142 |
| 40 | 11.64 | 32.31 | 24.59 | .159 |
| 45 | 10.31 | 32.41 | 24.90 | .176 |
| 50 | 10.00 | 32.39 | 24.94 | .191 |
| 75 | 7.00 | 32.58 | 25.45 | .259 |
| 100 | 7.06 | 32.74 | 25.66 | .319 |
| 150 | 6.79 | 33.51 | 26.30 | .422 |
| 200 | 6.51 | 33.84 | 26.59 | .502 |
| 300 | 5.53 | 33.96 | 26.82 | .639 |
| 500 | 4.56 | 34.11 | 27.04 | .873 |
| 750 | 3.96 | 34.30 | 27.26 | 1.117 |
| 1000 | 3.46 | 34.42 | 27.40 | 1.322 |
| 1250 | 2.83 | 34.50 | 27.52 | 1.499 |
| 1488 | 2.57 | 34.53 | 27.57 | |



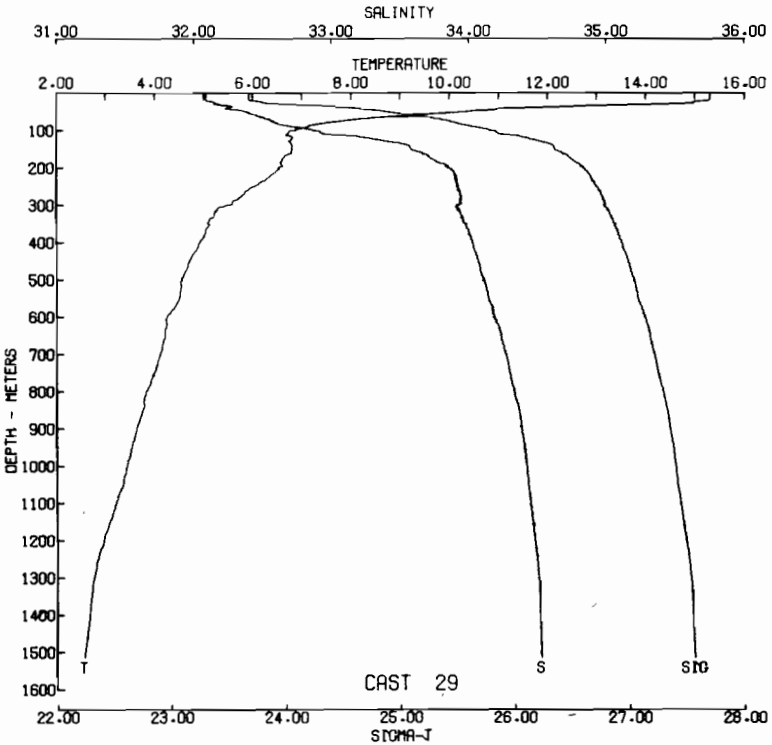



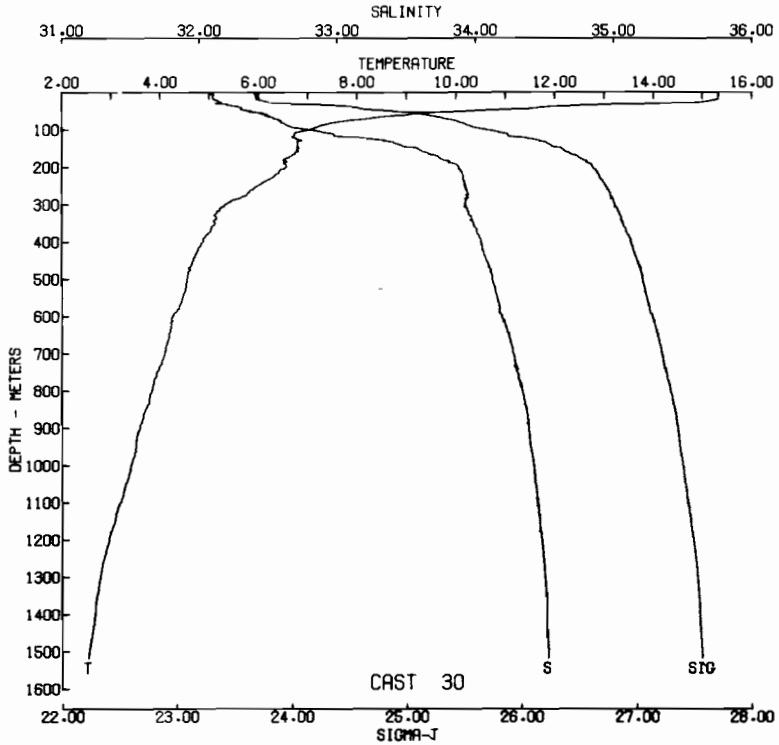

CAST RP-7-CC-027 DATE 11 SEP 73 TIME 0315 GMT
LAT 48 59.6N LONG 127 59.3W WEATHER 1 SEA STATE 3
BAROMETER 16 WIND DIR 325 T SPD 16 KT VISIBILITY 8
CLOUD 0 AMOUNT 1 DRY 15.8 WET 15.1 DEPTH 2581 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.29 | 32.11 | 23.71 | 0.000 |
| 5 | 15.29 | 32.09 | 23.69 | |
| 10 | 15.29 | 32.09 | 23.69 | .042 |
| 15 | 15.29 | 32.09 | 23.69 | .063 |
| 20 | 15.11 | 32.11 | 23.74 | .084 |
| 25 | 14.16 | 32.19 | 24.00 | .105 |
| 30 | 14.01 | 32.23 | 24.07 | .124 |
| 35 | 12.43 | 32.27 | 24.41 | .143 |
| 40 | 10.83 | 32.34 | 24.75 | .160 |
| 45 | 10.55 | 32.38 | 24.83 | .175 |
| 50 | 9.75 | 32.43 | 25.01 | .191 |
| 75 | 7.33 | 32.62 | 25.52 | .258 |
| 100 | 6.86 | 32.82 | 25.74 | .318 |
| 150 | 6.76 | 33.53 | 26.31 | .417 |
| 200 | 6.61 | 33.85 | 26.59 | .496 |
| 300 | 5.36 | 33.93 | 26.81 | .634 |
| 500 | 4.63 | 34.10 | 27.02 | .878 |
| 750 | 4.00 | 34.30 | 27.25 | 1.118 |
| 1000 | 3.49 | 34.41 | 27.39 | 1.325 |
| 1250 | 2.83 | 34.49 | 27.52 | 1.502 |
| 1500 | 2.55 | 34.53 | 27.57 | 1.659 |
| 1513 | 2.55 | 34.53 | 27.57 | |

CAST RP-7-CC-028 DATE 11 SEP 73 TIME 0444 GMT
LAT 48 59.8N LONG 127 58.7W WEATHER 4 SEA STATE 3
BAROMETER 16 WIND DIR 316 T SPD 18 KT VISIBILITY 2
CLOUD X AMOUNT 9 DRY 15.2 WET 15.1 DEPTH 2584 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.26 | 32.08 | 23.69 | 0.000 |
| 4 | 15.28 | 32.08 | 23.69 | |
| 5 | 15.28 | 32.08 | 23.69 | .021 |
| 10 | 15.29 | 32.09 | 23.69 | .042 |
| 15 | 15.29 | 32.09 | 23.69 | .063 |
| 20 | 15.29 | 32.09 | 23.69 | .084 |
| 25 | 15.26 | 32.09 | 23.70 | .105 |
| 30 | 15.00 | 32.14 | 23.79 | .126 |
| 35 | 14.65 | 32.17 | 23.89 | .147 |
| 40 | 13.41 | 32.19 | 24.16 | .166 |
| 45 | 12.00 | 32.29 | 24.51 | .184 |
| 50 | 10.38 | 32.38 | 24.87 | .201 |
| 75 | 7.98 | 32.57 | 25.39 | .272 |
| 100 | 7.08 | 32.75 | 25.66 | .334 |
| 150 | 6.78 | 33.55 | 26.33 | .435 |
| 200 | 6.60 | 33.86 | 26.60 | .514 |
| 300 | 5.42 | 33.92 | 26.79 | .651 |
| 500 | 4.57 | 34.18 | 27.03 | .886 |
| 750 | 4.00 | 34.38 | 27.25 | 1.132 |
| 1000 | 3.48 | 34.41 | 27.39 | 1.339 |
| 1250 | 2.87 | 34.49 | 27.51 | 1.519 |
| 1500 | 2.58 | 34.52 | 27.56 | 1.677 |
| 1515 | 2.56 | 34.53 | 27.57 | |



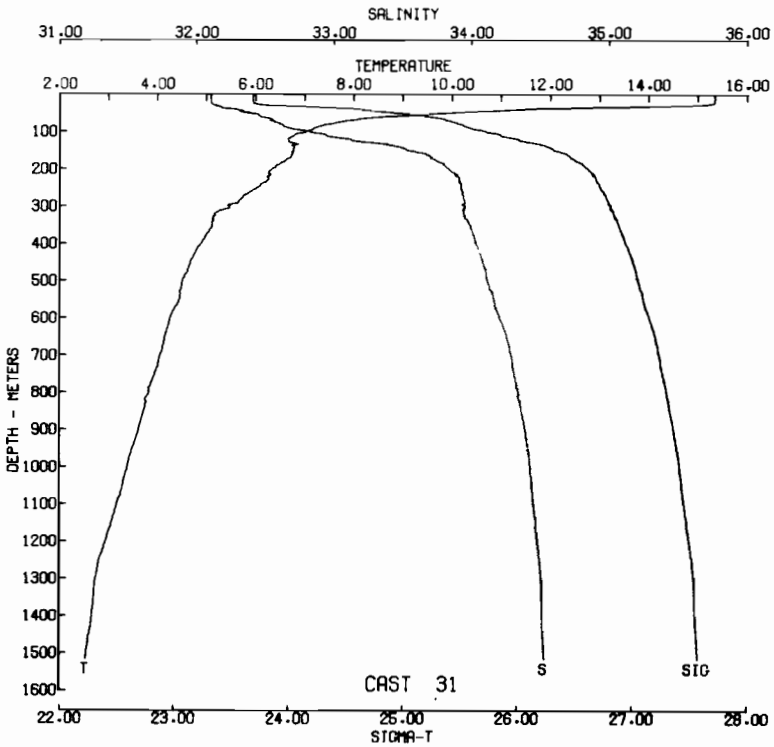



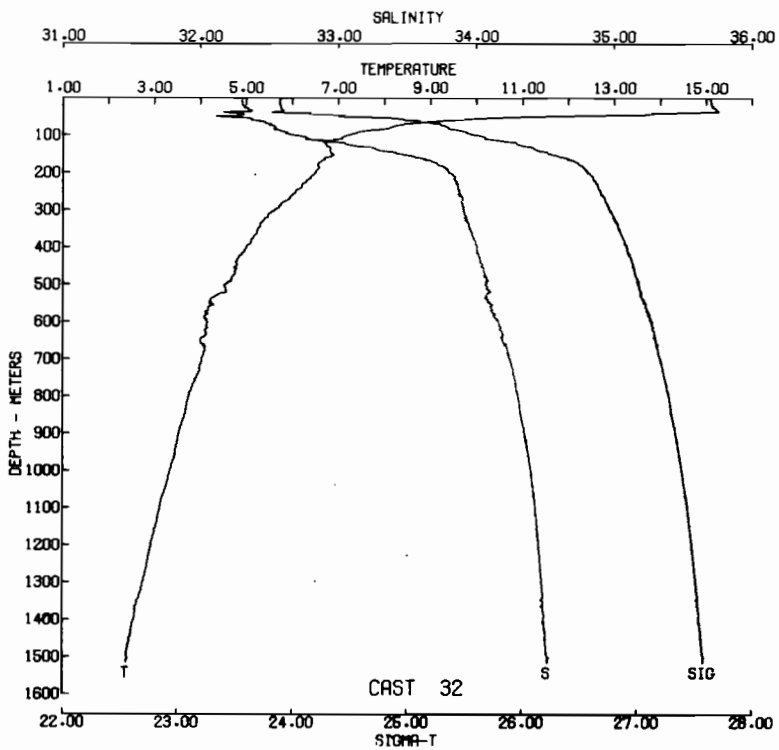

CAST RP-7-CC-029 DATE 11 SEP 73 TIME 0615 GMT
LAT 43 00.1N LONG 127 57.3W WEATHER 4 SEA STATE 3
BAROMETER 16 WIND DIR 317 T SPD 18 KT VISIBILITY 4
CLOUD X AMOUNT 9 DRY 15.1 WET 15.0 DEPTH 2504 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.31 | 32.09 | 23.68 | 0.000 |
| 4 | 15.31 | 32.09 | 23.68 | |
| 5 | 15.31 | 32.09 | 23.68 | .021 |
| 10 | 15.31 | 32.09 | 23.68 | .042 |
| 15 | 15.31 | 32.09 | 23.68 | .063 |
| 20 | 15.28 | 32.09 | 23.70 | .084 |
| 25 | 14.98 | 32.15 | 23.80 | .105 |
| 30 | 14.21 | 32.19 | 24.00 | .126 |
| 35 | 12.57 | 32.27 | 24.39 | .144 |
| 40 | 11.34 | 32.35 | 24.59 | .162 |
| 45 | 10.85 | 32.32 | 24.74 | .178 |
| 50 | 10.36 | 32.38 | 24.87 | .194 |
| 75 | 7.78 | 32.59 | 25.43 | .264 |
| 100 | 6.87 | 32.87 | 25.79 | .324 |
| 150 | 6.80 | 33.58 | 26.35 | .420 |
| 200 | 6.52 | 33.85 | 26.60 | .499 |
| 300 | 5.47 | 33.91 | 26.78 | .636 |
| 500 | 4.56 | 34.12 | 27.05 | .871 |
| 750 | 3.99 | 34.30 | 27.25 | 1.116 |
| 1000 | 3.43 | 34.42 | 27.40 | 1.321 |
| 1250 | 2.84 | 34.49 | 27.52 | 1.499 |
| 1500 | 2.57 | 34.52 | 27.57 | 1.656 |
| 1513 | 2.56 | 34.53 | 27.57 | |

CAST RP-7-CC-030 DATE 11 SEP 73 TIME 0745 GMT
LAT 48 59.4N LONG 128 00.2W WEATHER 4 SEA STATE 4
BAROMETER 16 WIND DIR 310 T SPD 16 KT VISIBILITY 4
CLOUD X AMOUNT 9 DRY 14.4 WET DEPTH 2504 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.32 | 32.07 | 23.67 | 0.000 |
| 1 | 15.32 | 32.07 | 23.67 | |
| 5 | 15.32 | 32.08 | 23.68 | .021 |
| 10 | 15.33 | 32.10 | 23.69 | .042 |
| 15 | 15.33 | 32.10 | 23.69 | .063 |
| 20 | 15.27 | 32.12 | 23.72 | .084 |
| 25 | 15.07 | 32.15 | 23.78 | .105 |
| 30 | 14.21 | 32.13 | 23.95 | .126 |
| 35 | 12.39 | 32.23 | 24.39 | .144 |
| 40 | 11.72 | 32.31 | 24.57 | .162 |
| 45 | 11.17 | 32.30 | 24.67 | .178 |
| 50 | 10.23 | 32.38 | 24.89 | .194 |
| 75 | 7.83 | 32.57 | 25.42 | .264 |
| 100 | 7.04 | 32.79 | 25.70 | .326 |
| 150 | 6.80 | 33.57 | 26.35 | .425 |
| 200 | 6.56 | 33.88 | 26.62 | .503 |
| 300 | 5.32 | 33.93 | 26.81 | .639 |
| 500 | 4.56 | 34.12 | 27.05 | .871 |
| 750 | 3.33 | 34.30 | 27.26 | 1.115 |
| 1000 | 3.40 | 34.42 | 27.41 | 1.318 |
| 1250 | 2.85 | 34.49 | 27.52 | 1.494 |
| 1500 | 2.55 | 34.53 | 27.57 | 1.652 |
| 1516 | 2.53 | 34.53 | 27.57 | |



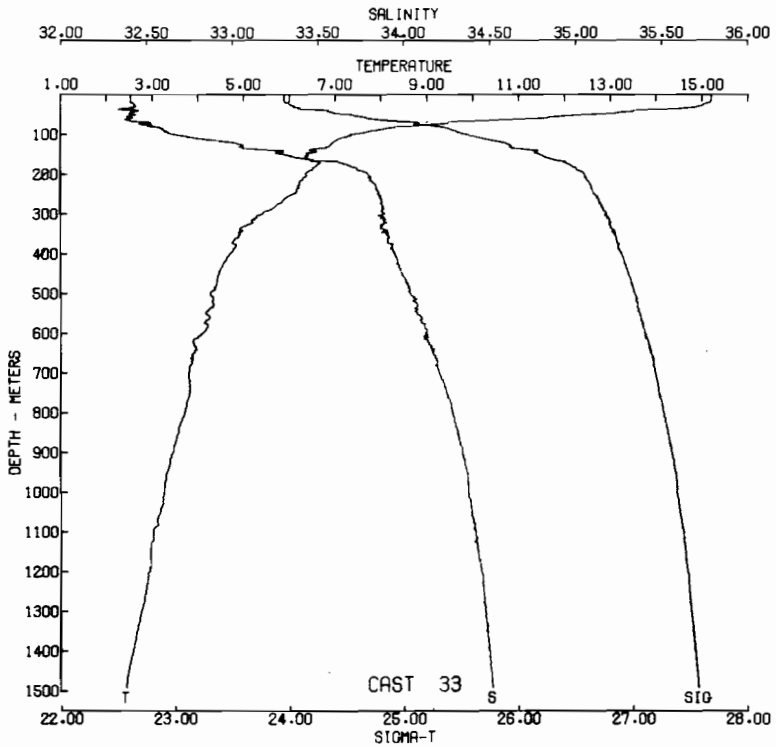



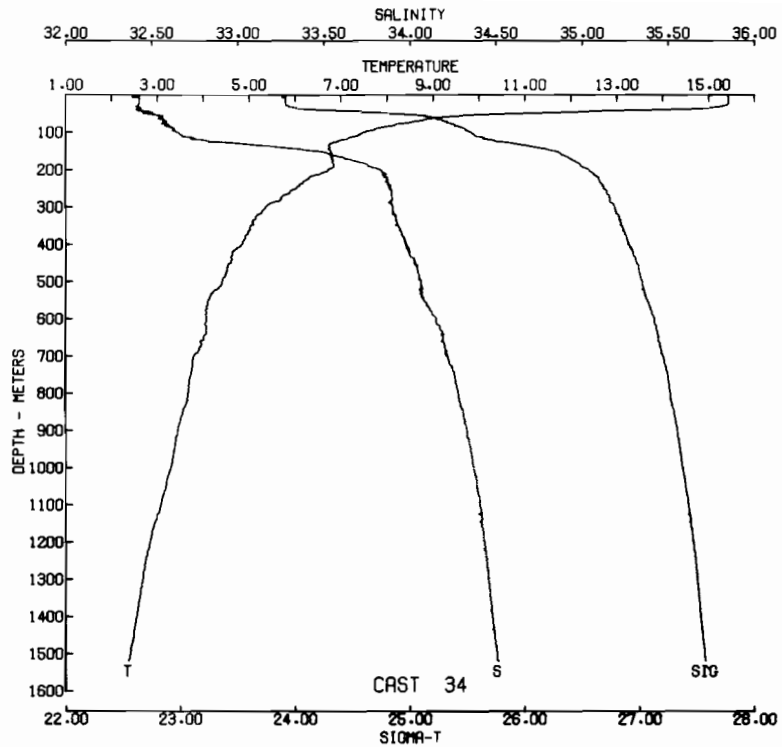

CAST RP-7-OC-031 DATE 11 SEP 73 TIME 0923 GMT
LAT 49 00.4N LONG 127 58.8W WEATHER 4 SEA STATE 4
BAROMETER 17 WIND DIR 300 T SPD 19 KT VISIBILITY 3
CLOUD X AMOUNT 9 DRY 14.2 WET 14.0 DEPTH 2504 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.34 | 32.11 | 23.69 | 0.000 |
| 3 | 15.34 | 32.11 | 23.69 | |
| 5 | 15.35 | 32.10 | 23.69 | .021 |
| 10 | 15.35 | 32.10 | 23.69 | .042 |
| 15 | 15.35 | 32.10 | 23.69 | .063 |
| 20 | 15.34 | 32.11 | 23.69 | .084 |
| 25 | 15.25 | 32.11 | 23.71 | .105 |
| 30 | 14.77 | 32.13 | 23.84 | .126 |
| 35 | 12.63 | 32.18 | 24.30 | .145 |
| 40 | 11.41 | 32.29 | 24.62 | .163 |
| 45 | 10.73 | 32.32 | 24.76 | .179 |
| 50 | 10.01 | 32.37 | 24.92 | .195 |
| 75 | 7.65 | 32.58 | 25.45 | .263 |
| 100 | 7.02 | 32.83 | 25.73 | .324 |
| 150 | 6.77 | 33.54 | 26.32 | .423 |
| 200 | 6.32 | 33.83 | 26.61 | .502 |
| 300 | 5.46 | 33.95 | 26.81 | .638 |
| 500 | 4.51 | 34.12 | 27.05 | .870 |
| 750 | 3.94 | 34.31 | 27.27 | 1.112 |
| 1000 | 3.38 | 34.42 | 27.41 | 1.314 |
| 1250 | 2.80 | 34.50 | 27.53 | 1.490 |
| 1500 | 2.55 | 34.53 | 27.57 | 1.647 |
| 1514 | 2.53 | 34.53 | 27.57 | |

CAST RP-7-OC-032 DATE 11 SEP 73 TIME 1252 GMT
LAT 48 59.6N LONG 128 39.5W WEATHER 1 SEA STATE 4
BAROMETER 18 WIND DIR 295 T SPD 12 KT VISIBILITY 4
CLOUD X AMOUNT 9 DRY 15.0 WET 14.1 DEPTH 2509 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.09 | 32.30 | 23.90 | 0.000 |
| 3 | 15.09 | 32.30 | 23.89 | |
| 5 | 15.10 | 32.30 | 23.89 | .020 |
| 10 | 15.11 | 32.30 | 23.89 | .040 |
| 15 | 15.12 | 32.30 | 23.89 | .060 |
| 20 | 15.12 | 32.31 | 23.90 | .080 |
| 25 | 15.14 | 32.32 | 23.90 | .101 |
| 30 | 15.22 | 32.34 | 23.90 | .121 |
| 35 | 15.27 | 32.37 | 23.91 | .141 |
| 40 | 13.84 | 32.23 | 24.10 | .161 |
| 45 | 13.60 | 32.32 | 24.22 | .180 |
| 50 | 11.34 | 32.11 | 24.49 | .198 |
| 75 | 8.23 | 32.53 | 25.32 | .271 |
| 100 | 7.18 | 32.69 | 25.60 | .334 |
| 150 | 6.88 | 33.46 | 26.25 | .439 |
| 200 | 6.50 | 33.80 | 26.56 | .519 |
| 300 | 5.61 | 33.91 | 26.77 | .659 |
| 500 | 4.53 | 34.07 | 27.01 | .899 |
| 750 | 3.91 | 34.28 | 27.24 | 1.147 |
| 1000 | 3.34 | 34.40 | 27.39 | 1.355 |
| 1250 | 2.84 | 34.47 | 27.50 | 1.534 |
| 1500 | 2.40 | 34.52 | 27.58 | 1.693 |
| 1514 | 2.39 | 34.52 | 27.58 | |



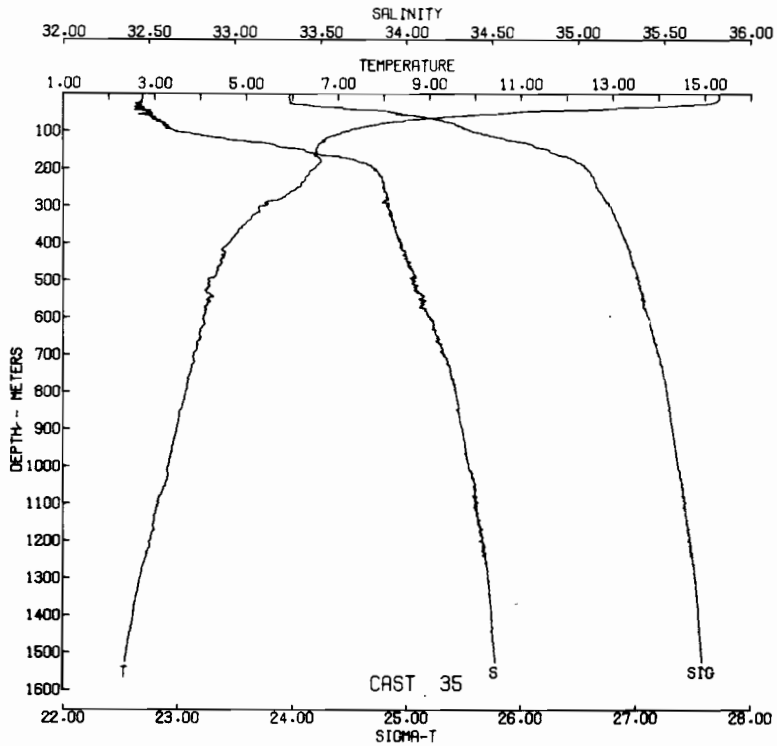



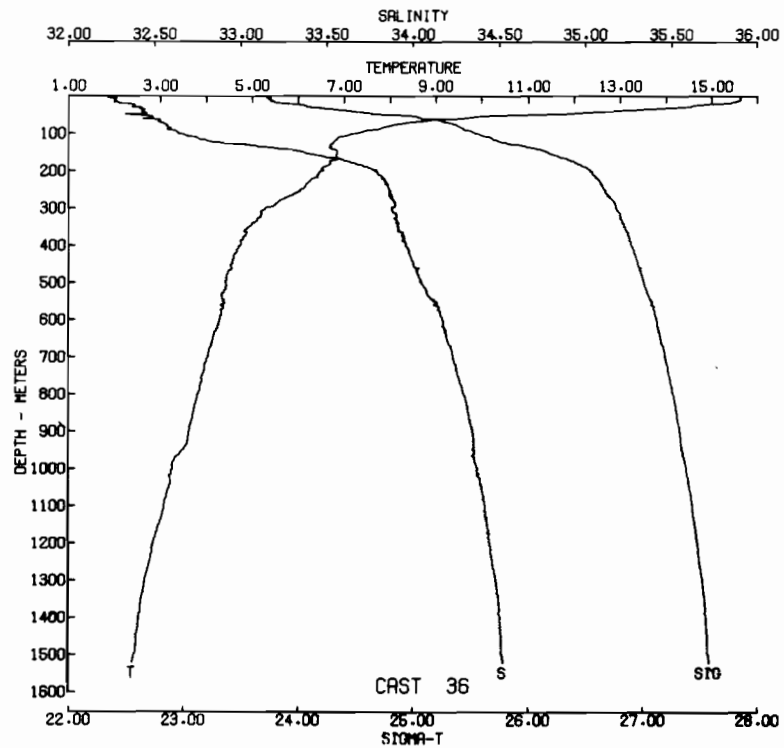

CAST RP-7-OC-033 DATE 11 SEP 73 TIME 1608 GMT
LAT 48 59.8N LONG 129 20.8W WEATHER 2 SEA STATE 3
BAROMETER 18 WIND DIR 260 T SPD 12 KT VISIBILITY 3
CLOUD 6 AMOUNT 8 DRY 15.8 WET 15.2 DEPTH 2388 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.21 | 32.41 | 23.95 | 0.000 |
| 3 | 15.21 | 32.41 | 23.95 | |
| 5 | 15.21 | 32.41 | 23.95 | .020 |
| 10 | 15.21 | 32.41 | 23.95 | .040 |
| 15 | 15.21 | 32.41 | 23.95 | .060 |
| 20 | 15.16 | 32.40 | 23.96 | .079 |
| 25 | 15.04 | 32.42 | 24.00 | .099 |
| 30 | 14.91 | 32.44 | 24.04 | .119 |
| 35 | 14.53 | 32.39 | 24.08 | .138 |
| 40 | 13.52 | 32.45 | 24.34 | .157 |
| 45 | 13.17 | 32.41 | 24.37 | .175 |
| 50 | 12.52 | 32.42 | 24.51 | .192 |
| 75 | 9.14 | 32.47 | 25.14 | .271 |
| 100 | 7.32 | 32.65 | 25.55 | .336 |
| 150 | 6.40 | 33.30 | 26.18 | .443 |
| 200 | 6.35 | 33.79 | 26.57 | .525 |
| 300 | 5.40 | 33.88 | 26.77 | .667 |
| 500 | 4.27 | 34.04 | 27.02 | .908 |
| 750 | 3.61 | 34.25 | 27.23 | 1.157 |
| 1000 | 3.25 | 34.38 | 27.39 | 1.364 |
| 1250 | 2.85 | 34.46 | 27.49 | 1.544 |
| 1491 | 2.43 | 34.52 | 27.57 | |

CAST RP-7-CC-034 DATE 11 SEP 73 TIME 1912 GMT
LAT 49 00.0N LONG 130 00.0W WEATHER 1 SEA STATE 4
BAROMETER 21 WIND DIR 310 T SPD 18 KT VISIBILITY 8
CLOUD 6 AMOUNT 3 DRY 16.8 WET 13.3 DEPTH 2694 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.44 | 32.42 | 23.91 | 0.000 |
| 5 | 15.44 | 32.39 | 23.89 | .020 |
| 10 | 15.44 | 32.43 | 23.92 | .040 |
| 15 | 15.44 | 32.43 | 23.92 | .060 |
| 20 | 15.44 | 32.43 | 23.92 | .080 |
| 25 | 15.42 | 32.42 | 23.92 | .100 |
| 30 | 15.30 | 32.42 | 23.94 | .120 |
| 35 | 14.98 | 32.44 | 24.02 | .140 |
| 40 | 13.55 | 32.41 | 24.30 | .159 |
| 45 | 12.22 | 32.44 | 24.59 | .176 |
| 50 | 10.89 | 32.45 | 24.84 | .192 |
| 75 | 8.40 | 32.58 | 25.34 | .262 |
| 100 | 7.47 | 32.65 | 25.53 | .326 |
| 150 | 6.77 | 33.17 | 26.27 | .436 |
| 200 | 6.72 | 33.83 | 26.56 | .518 |
| 300 | 5.35 | 33.90 | 26.79 | .657 |
| 500 | 4.40 | 34.07 | 27.02 | .896 |
| 750 | 3.73 | 34.26 | 27.25 | 1.143 |
| 1000 | 3.29 | 34.37 | 27.38 | 1.352 |
| 1250 | 2.74 | 34.45 | 27.49 | 1.534 |
| 1500 | 2.40 | 34.51 | 27.57 | 1.695 |
| 1918 | 2.37 | 34.51 | 27.57 | |



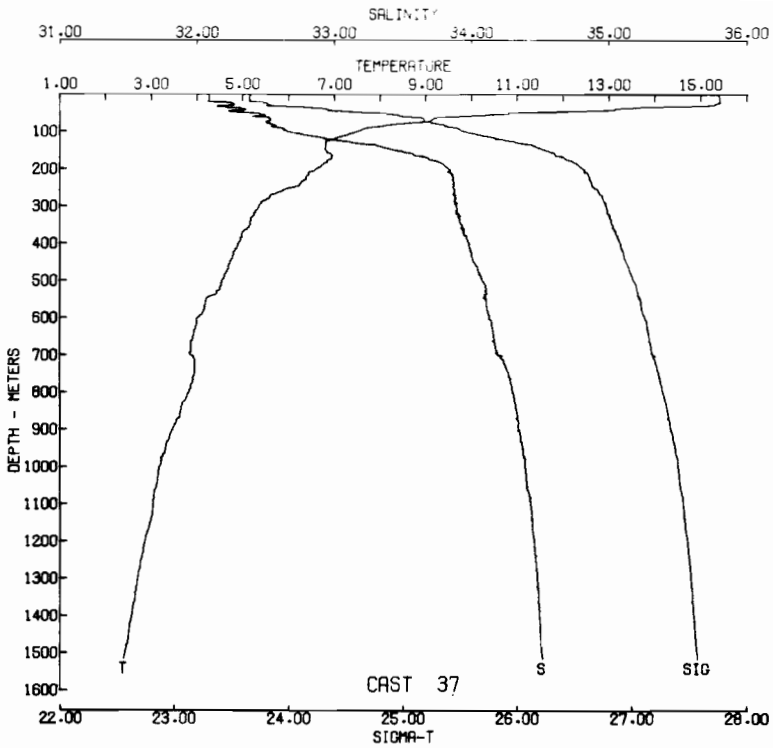



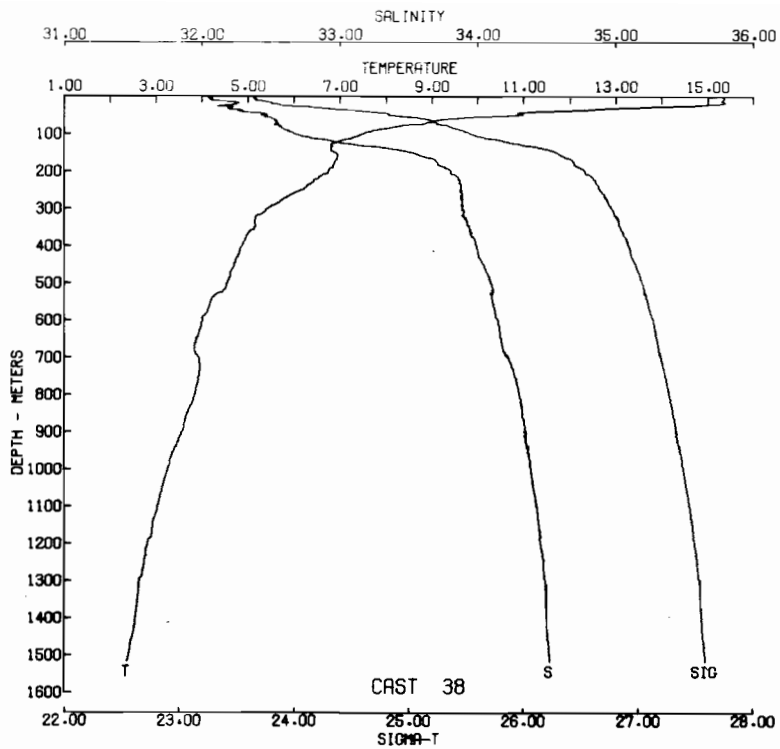

CAST RP-7-OC-035 DATE 11 SEP 73 TIME 2201 GMT
LAT 48 38.3N LONG 129 56.8W WEATHER 1 SEA STATE 4
BAROMETER 22 WIND DIR 320 T SPD 13 KT VISIBILITY 8
CLOUD 6 AMOUNT 6 DRY 15.7 WET 12.2 DEPTH 2809 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.29 | 32.46 | 23.98 | 0.000 |
| 4 | 15.31 | 32.46 | 23.97 | |
| 5 | 15.31 | 32.46 | 23.97 | .020 |
| 10 | 15.32 | 32.46 | 23.97 | .039 |
| 15 | 15.31 | 32.46 | 23.97 | .059 |
| 20 | 15.27 | 32.46 | 23.98 | .079 |
| 25 | 15.17 | 32.45 | 23.99 | .099 |
| 30 | 14.53 | 32.45 | 24.13 | .118 |
| 35 | 13.78 | 32.41 | 24.26 | .137 |
| 40 | 13.04 | 32.46 | 24.44 | .155 |
| 45 | 11.28 | 32.51 | 24.81 | .171 |
| 50 | 10.80 | 32.50 | 24.89 | .187 |
| 75 | 8.22 | 32.54 | 25.34 | .258 |
| 100 | 7.23 | 32.66 | 25.57 | .322 |
| 150 | 6.52 | 33.40 | 26.25 | .427 |
| 200 | 6.49 | 33.81 | 26.57 | .509 |
| 300 | 5.35 | 33.88 | 26.77 | .658 |
| 500 | 4.17 | 34.05 | 27.04 | .887 |
| 750 | 3.76 | 34.26 | 27.24 | 1.136 |
| 1000 | 3.30 | 34.37 | 27.37 | 1.345 |
| 1250 | 2.79 | 34.46 | 27.50 | 1.526 |
| 1500 | 2.38 | 34.51 | 27.57 | 1.684 |
| 1525 | 2.35 | 34.52 | 27.58 | |

CAST RP-7-OC-036 DATE 12 SEP 73 TIME 0827 GMT
LAT 48 23.0N LONG 129 59.5W WEATHER 1 SEA STATE 4
BAROMETER 22 WIND DIR 350 T SPD 17 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 16.0 WET 13.6 DEPTH 1605 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.64 | 32.26 | 23.75 | 0.000 |
| 1 | 15.64 | 32.27 | 23.75 | |
| 5 | 15.62 | 32.23 | 23.72 | .021 |
| 10 | 15.62 | 32.27 | 23.76 | .042 |
| 15 | 15.49 | 32.20 | 23.79 | .062 |
| 20 | 15.21 | 32.30 | 23.87 | .083 |
| 25 | 14.61 | 32.30 | 24.06 | .103 |
| 30 | 14.34 | 32.37 | 24.10 | .122 |
| 35 | 13.52 | 32.43 | 24.33 | .140 |
| 40 | 12.82 | 32.43 | 24.46 | .158 |
| 45 | 12.13 | 32.43 | 24.60 | .175 |
| 50 | 10.88 | 32.35 | 24.76 | .192 |
| 75 | 8.16 | 32.56 | 25.36 | .263 |
| 100 | 7.22 | 32.64 | 25.55 | .327 |
| 150 | 6.86 | 33.37 | 26.17 | .436 |
| 200 | 6.51 | 33.78 | 26.54 | .519 |
| 300 | 5.29 | 33.88 | 26.77 | .660 |
| 500 | 4.42 | 34.05 | 27.01 | .980 |
| 750 | 3.90 | 34.27 | 27.23 | 1.149 |
| 1000 | 3.26 | 34.38 | 27.39 | 1.359 |
| 1250 | 2.76 | 34.46 | 27.50 | 1.538 |
| 1500 | 2.42 | 34.52 | 27.57 | 1.696 |
| 1520 | 2.38 | 34.52 | 27.58 | |



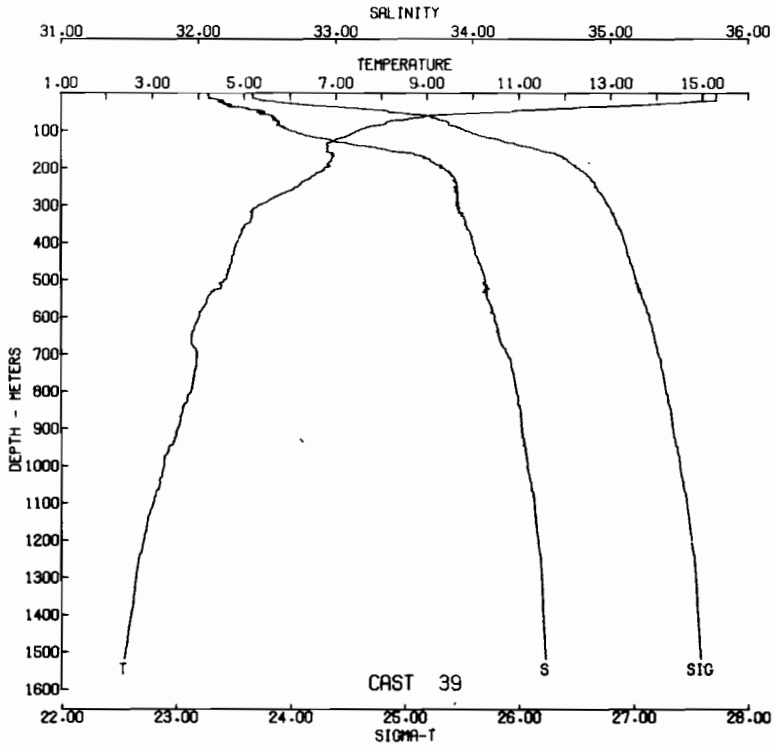



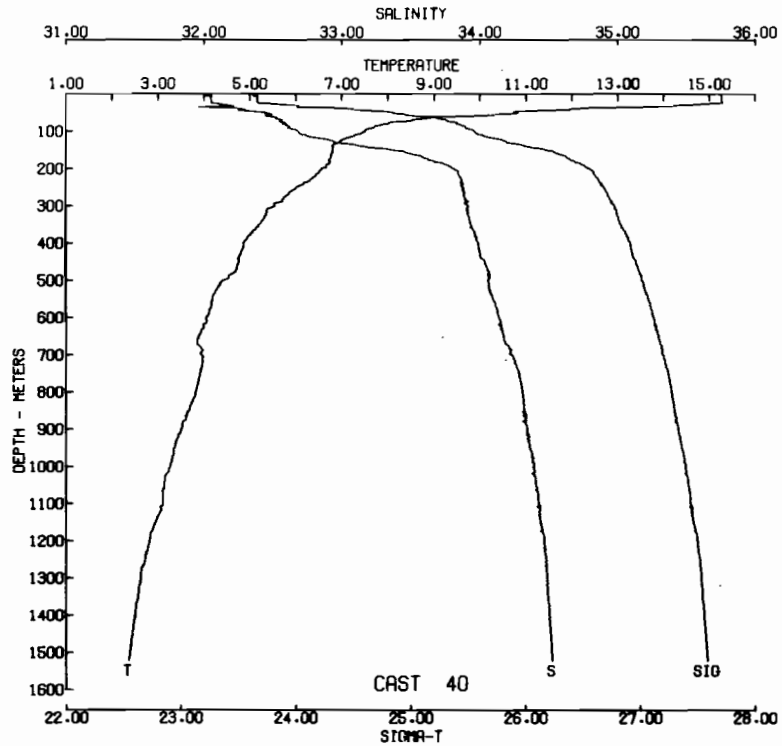

CAST RP-7-CC-037 DATE 12 SEP 73 TIME 0315 GMT
LAT 48 19.8N LONG 129 23.5W WEATHER 1 SEA STATE 4
BAROMETER 22 WIND DIR 352 T SPD 14 KT VISIBILITY 7
CLOUD 6 AMOUNT 5 DRY 14.9 WET 12.8 DEPTH 2497 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.38 | 32.09 | 23.67 | 0.000 |
| 4 | 15.40 | 32.09 | 23.66 | |
| 5 | 15.40 | 32.09 | 23.66 | .021 |
| 10 | 15.42 | 32.09 | 23.66 | .042 |
| 15 | 15.42 | 32.09 | 23.66 | .064 |
| 20 | 15.41 | 32.11 | 23.68 | .085 |
| 25 | 15.35 | 32.26 | 23.81 | .106 |
| 30 | 15.16 | 32.26 | 23.85 | .126 |
| 35 | 13.56 | 32.22 | 24.15 | .146 |
| 40 | 13.14 | 32.36 | 24.34 | .164 |
| 45 | 12.14 | 32.24 | 24.45 | .182 |
| 50 | 10.89 | 32.36 | 24.76 | .199 |
| 75 | 8.81 | 32.51 | 25.22 | .272 |
| 100 | 7.47 | 32.67 | 25.54 | .337 |
| 150 | 6.81 | 33.45 | 26.25 | .442 |
| 200 | 6.60 | 33.94 | 26.58 | .523 |
| 300 | 5.36 | 33.90 | 26.78 | .663 |
| 500 | 4.55 | 34.08 | 27.02 | .905 |
| 750 | 3.94 | 34.27 | 27.24 | 1.154 |
| 1000 | 3.17 | 34.39 | 27.41 | 1.360 |
| 1250 | 2.76 | 34.47 | 27.50 | 1.537 |
| 1500 | 2.42 | 34.51 | 27.57 | 1.695 |
| 1513 | 2.40 | 34.52 | 27.58 | |

CAST RP-7-CC-038 DATE 12 SEP 73 TIME 0445 GMT
LAT 48 19.8N LONG 129 23.2W WEATHER 1 SEA STATE 4
BAROMETER 22 WIND DIR 347 T SPD 16 KT VISIBILITY 6
CLOUD X AMOUNT 9 DRY 14.9 WET 12.2 DEPTH 2279 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.36 | 32.04 | 23.64 | 0.000 |
| 1 | 15.35 | 32.04 | 23.64 | |
| 5 | 15.35 | 32.05 | 23.64 | .021 |
| 10 | 15.32 | 32.06 | 23.66 | .043 |
| 15 | 15.37 | 32.21 | 23.77 | .063 |
| 20 | 15.17 | 32.24 | 23.83 | .084 |
| 25 | 14.26 | 32.12 | 23.93 | .104 |
| 30 | 13.20 | 32.18 | 24.20 | .123 |
| 35 | 12.25 | 32.23 | 24.42 | .142 |
| 40 | 11.27 | 32.28 | 24.63 | .159 |
| 45 | 10.94 | 32.43 | 24.81 | .175 |
| 50 | 10.85 | 32.42 | 24.82 | .191 |
| 75 | 8.60 | 32.52 | 25.26 | .262 |
| 100 | 7.49 | 32.67 | 25.54 | .327 |
| 150 | 6.90 | 33.53 | 26.29 | .432 |
| 200 | 6.74 | 33.80 | 26.53 | .514 |
| 300 | 5.42 | 33.89 | 26.77 | .655 |
| 500 | 4.53 | 34.10 | 27.04 | .894 |
| 750 | 3.93 | 34.27 | 27.24 | 1.140 |
| 1000 | 3.25 | 34.39 | 27.40 | 1.348 |
| 1250 | 2.74 | 34.48 | 27.52 | 1.524 |
| 1500 | 2.39 | 34.53 | 27.58 | 1.680 |
| 1515 | 2.36 | 34.53 | 27.59 | |



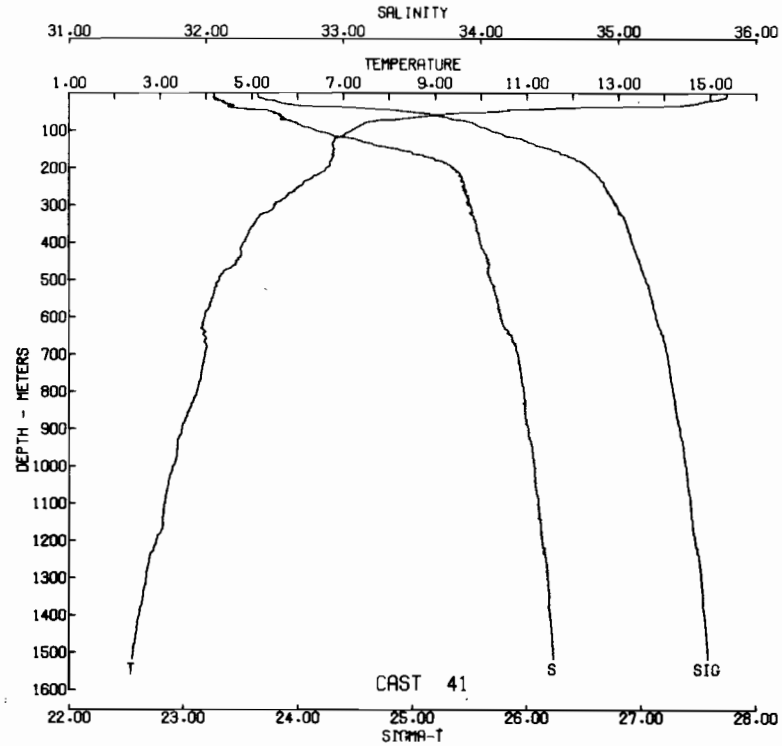



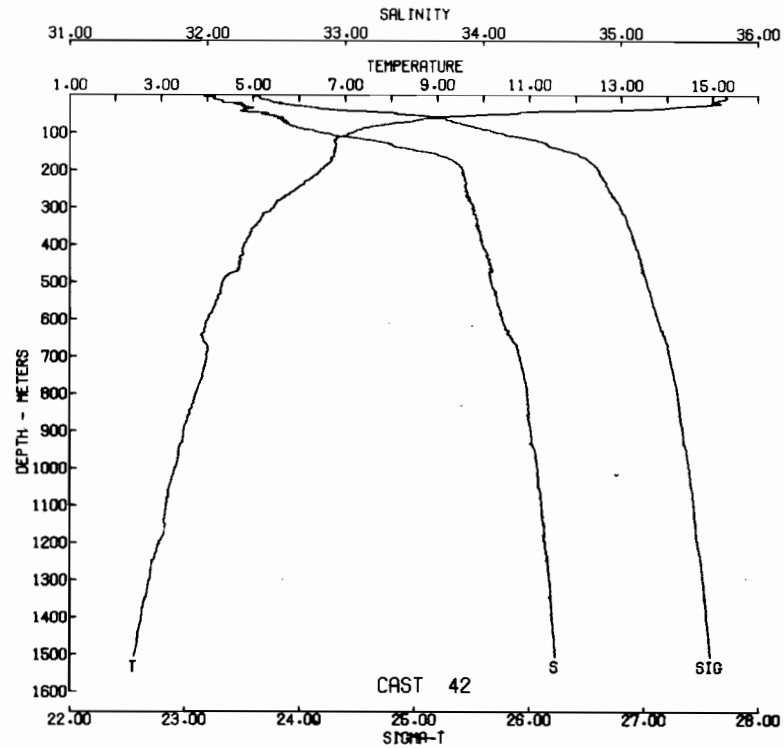

CAST RP-7-OC-039 DATE 12 SEP 73 TIME 0615 GMT
LAT 48 13.8N LONG 129 22.1W WEATHER 1 SEA STATE 4
BAROMETER 22 WIND DIR 350 T SPD 17 KT VISIBILITY 6
CLOUD X AMOUNT 9 DRY 14.3 WET 11.8 DEPTH 2246 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.31 | 32.07 | 23.67 | 0.000 |
| 3 | 15.31 | 32.07 | 23.67 | |
| 5 | 15.31 | 32.07 | 23.67 | .021 |
| 10 | 15.31 | 32.07 | 23.67 | .042 |
| 15 | 15.30 | 32.10 | 23.70 | .063 |
| 20 | 15.31 | 32.18 | 23.76 | .084 |
| 25 | 14.56 | 32.17 | 23.91 | .105 |
| 30 | 13.86 | 32.21 | 24.08 | .124 |
| 35 | 12.79 | 32.22 | 24.31 | .143 |
| 40 | 11.97 | 32.34 | 24.56 | .161 |
| 45 | 11.14 | 32.37 | 24.73 | .177 |
| 50 | 10.79 | 32.47 | 24.87 | .193 |
| 75 | 8.18 | 32.58 | 25.37 | .263 |
| 100 | 7.50 | 32.66 | 25.53 | .327 |
| 150 | 6.81 | 33.35 | 26.17 | .437 |
| 200 | 6.75 | 33.78 | 26.51 | .521 |
| 300 | 5.31 | 33.89 | 26.78 | .662 |
| 500 | 4.58 | 34.08 | 27.02 | .901 |
| 750 | 3.90 | 34.29 | 27.25 | 1.146 |
| 1000 | 3.24 | 34.39 | 27.40 | 1.352 |
| 1250 | 2.69 | 34.49 | 27.53 | 1.526 |
| 1500 | 2.40 | 34.53 | 27.58 | 1.680 |
| 1516 | 2.37 | 34.53 | 27.59 | |

CAST RP-7-OC-040 DATE 12 SEP 73 TIME 0746 GMT
LAT 48 20.3N LONG 129 20.9W WEATHER 1 SEA STATE 4
BAROMETER 22 WIND DIR 000 T SPD 21 KT VISIBILITY 6
CLOUD 3 AMOUNT 6 DRY 14.2 WET 12.6 DEPTH 2133 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.20 | 32.05 | 23.66 | 0.000 |
| 1 | 15.20 | 32.05 | 23.66 | |
| 5 | 15.27 | 32.02 | 23.64 | .021 |
| 10 | 15.20 | 32.05 | 23.66 | .042 |
| 15 | 15.20 | 32.05 | 23.66 | .064 |
| 20 | 15.20 | 32.05 | 23.66 | .085 |
| 25 | 15.07 | 32.05 | 23.71 | .106 |
| 30 | 14.33 | 32.16 | 23.95 | .127 |
| 35 | 13.23 | 31.96 | 24.02 | .146 |
| 40 | 11.90 | 32.26 | 24.49 | .164 |
| 45 | 11.12 | 32.29 | 24.67 | .181 |
| 50 | 10.83 | 32.45 | 24.85 | .197 |
| 75 | 8.09 | 32.56 | 25.37 | .269 |
| 100 | 7.50 | 32.68 | 25.55 | .332 |
| 150 | 6.81 | 33.37 | 26.19 | .442 |
| 200 | 6.56 | 33.81 | 26.57 | .525 |
| 300 | 5.53 | 33.92 | 26.78 | .666 |
| 500 | 4.40 | 34.06 | 27.02 | .987 |
| 750 | 3.90 | 34.29 | 27.25 | 1.154 |
| 1000 | 3.26 | 34.39 | 27.40 | 1.361 |
| 1250 | 2.71 | 34.49 | 27.52 | 1.537 |
| 1500 | 2.37 | 34.53 | 27.58 | 1.692 |
| 1520 | 2.35 | 34.53 | 27.59 | |



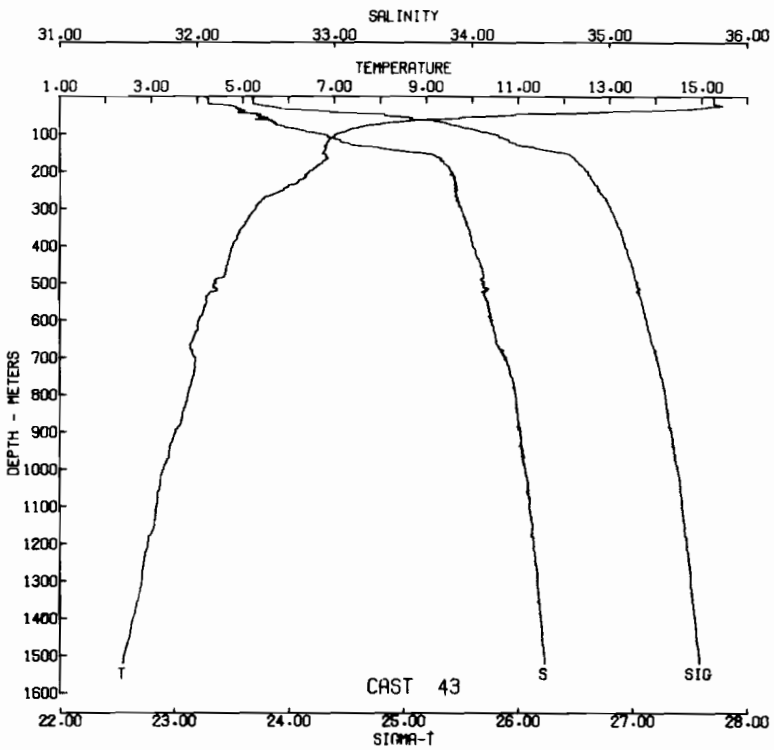



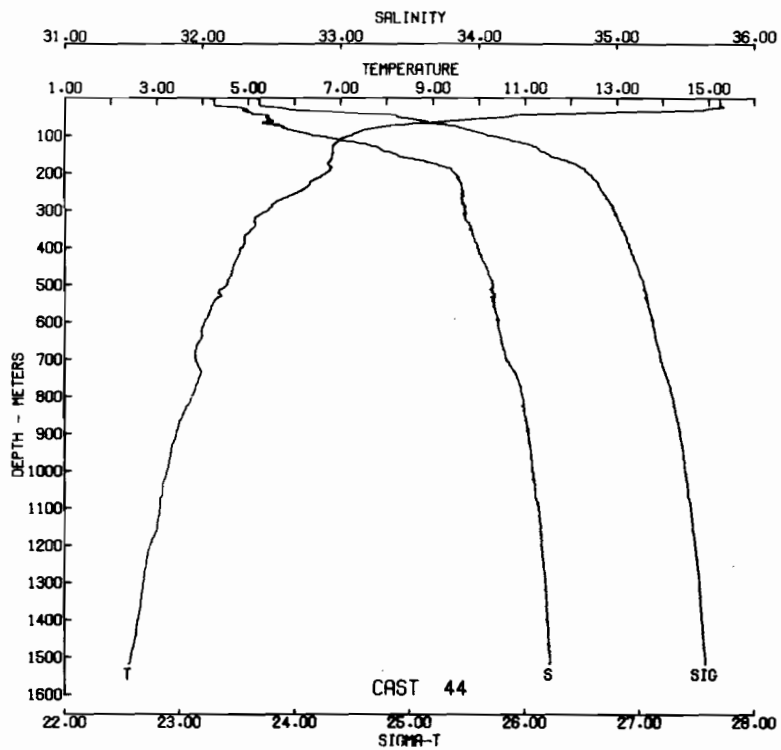

CAST RP-7-CC-041 DATE 12 SEP 73 TIME 0915 GMT
LAT 48 19.8N LONG 129 19.6W WEATHER 1 SEA STATE 4
BAROMETER 21 WIND DIR 350 T SPD 15 KT VISIBILITY 6
CLOUD 3 AMOUNT 7 DRY 14.1 WET 11.3 DEPTH 2180 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.38 | 32.06 | 23.65 | 0.000 |
| 3 | 15.37 | 32.06 | 23.65 | |
| 5 | 15.36 | 32.06 | 23.65 | .021 |
| 10 | 15.35 | 32.06 | 23.65 | .043 |
| 15 | 15.22 | 32.07 | 23.69 | .064 |
| 20 | 14.97 | 32.09 | 23.76 | .085 |
| 25 | 14.76 | 32.13 | 23.83 | .105 |
| 30 | 14.56 | 32.17 | 23.91 | .126 |
| 35 | 13.96 | 32.18 | 24.04 | .145 |
| 40 | 11.66 | 32.19 | 24.50 | .164 |
| 45 | 10.69 | 32.35 | 24.79 | .180 |
| 50 | 10.20 | 32.46 | 24.96 | .196 |
| 75 | 7.70 | 32.62 | 25.47 | .265 |
| 100 | 7.19 | 32.80 | 25.68 | .325 |
| 150 | 6.80 | 33.40 | 26.21 | .430 |
| 200 | 6.64 | 33.80 | 26.54 | .513 |
| 300 | 5.48 | 33.92 | 26.78 | .653 |
| 500 | 4.30 | 34.07 | 27.04 | .890 |
| 750 | 3.90 | 34.29 | 27.26 | 1.133 |
| 1000 | 3.28 | 34.39 | 27.40 | 1.339 |
| 1250 | 2.76 | 34.47 | 27.51 | 1.519 |
| 1500 | 2.40 | 34.53 | 27.58 | 1.676 |
| 1517 | 2.38 | 34.53 | 27.58 | |

CAST RP-7-OC-042 DATE 12 SEP 73 TIME 1045 GMT
LAT 48 19.8N LONG 129 20.8W WEATHER 1 SEA STATE 3
BAROMETER 21 WIND DIR 001 T SPD 13 KT VISIBILITY 7
CLOUD 4 AMOUNT 7 DRY 14.3 WET 11.4 DEPTH 2255 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.27 | 31.95 | 23.58 | 0.000 |
| 3 | 15.29 | 31.98 | 23.60 | |
| 5 | 15.31 | 32.05 | 23.66 | .021 |
| 10 | 15.28 | 32.04 | 23.66 | .043 |
| 15 | 15.11 | 32.11 | 23.74 | .064 |
| 20 | 14.99 | 32.11 | 23.77 | .085 |
| 25 | 14.92 | 32.24 | 23.89 | .105 |
| 30 | 14.33 | 32.27 | 24.03 | .125 |
| 35 | 13.90 | 32.33 | 24.17 | .144 |
| 40 | 12.91 | 32.27 | 24.32 | .162 |
| 45 | 11.09 | 32.29 | 24.68 | .180 |
| 50 | 10.75 | 32.44 | 24.85 | .196 |
| 75 | 8.05 | 32.58 | 25.39 | .266 |
| 100 | 7.16 | 32.82 | 25.70 | .327 |
| 150 | 6.74 | 33.54 | 26.33 | .427 |
| 200 | 6.46 | 33.85 | 26.61 | .505 |
| 300 | 5.45 | 33.93 | 26.80 | .643 |
| 500 | 4.32 | 34.05 | 27.02 | .880 |
| 750 | 3.89 | 34.30 | 27.26 | 1.125 |
| 1000 | 3.28 | 34.39 | 27.40 | 1.331 |
| 1250 | 2.79 | 34.47 | 27.50 | 1.512 |
| 1500 | 2.40 | 34.52 | 27.58 | 1.670 |
| 1505 | 2.39 | 34.52 | 27.58 | |



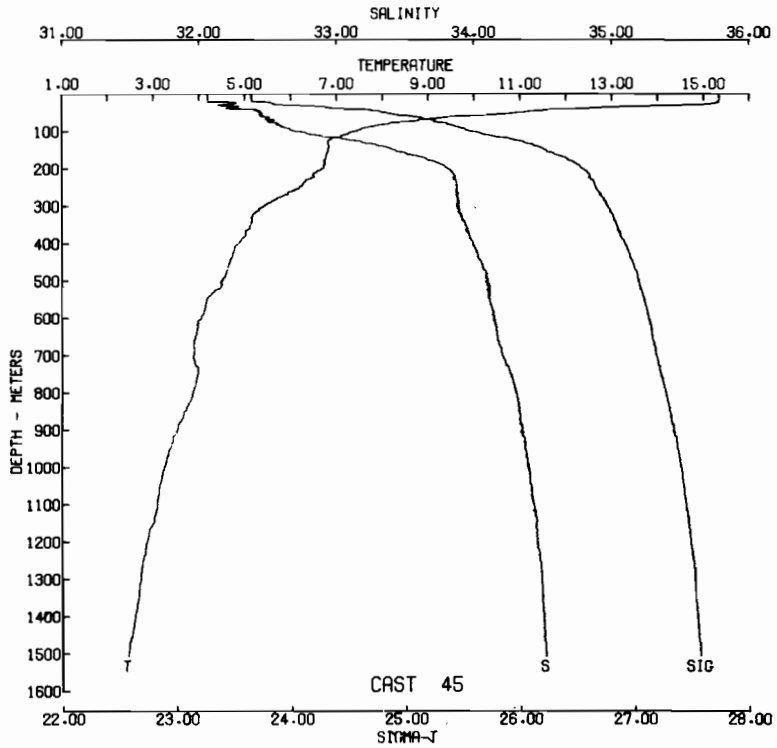



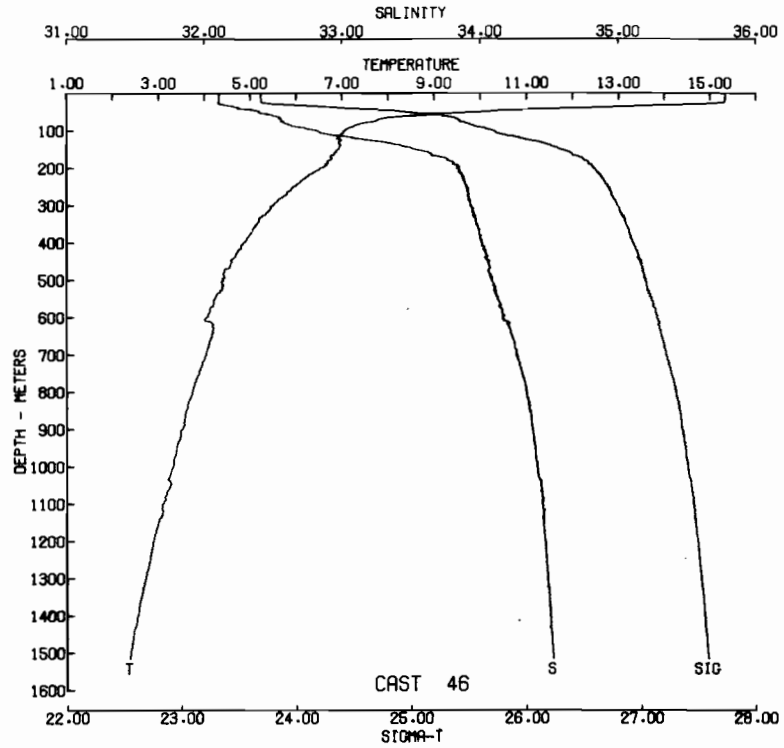

CAST RP-7-OC-043 DATE 12 SEP 73 TIME 1215 GMT
LAT 48 19.6N LONG 129 22.4W WEATHER 1 SEA STATE 3
BAROMETER 21 WIND DIR 340 T SPD 14 KT VISIBILITY 6
CLOUD 6 AMOUNT 5 DRY 14.0 WET 11.2 DEPTH 2467 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.26 | 32.07 | 23.68 | 0.000 |
| 1 | 15.27 | 32.07 | 23.68 | |
| 5 | 15.27 | 32.08 | 23.69 | .021 |
| 10 | 15.26 | 32.08 | 23.69 | .042 |
| 15 | 15.27 | 32.08 | 23.69 | .063 |
| 20 | 15.29 | 32.10 | 23.70 | .084 |
| 25 | 15.44 | 32.25 | 23.78 | .105 |
| 30 | 15.82 | 32.29 | 23.90 | .126 |
| 35 | 14.37 | 32.30 | 24.05 | .145 |
| 40 | 13.04 | 32.31 | 24.33 | .164 |
| 45 | 11.95 | 32.37 | 24.58 | .182 |
| 50 | 10.91 | 32.46 | 24.84 | .198 |
| 75 | 7.89 | 32.58 | 25.41 | .266 |
| 100 | 7.05 | 32.90 | 25.78 | .328 |
| 150 | 6.76 | 33.63 | 26.40 | .429 |
| 200 | 6.46 | 33.85 | 26.61 | .506 |
| 300 | 5.28 | 33.92 | 26.81 | .644 |
| 500 | 4.42 | 34.08 | 27.03 | .878 |
| 750 | 3.92 | 34.28 | 27.24 | 1.125 |
| 1000 | 3.27 | 34.39 | 27.39 | 1.333 |
| 1250 | 2.84 | 34.46 | 27.49 | 1.513 |
| 1500 | 2.40 | 34.52 | 27.58 | 1.673 |
| 1520 | 2.38 | 34.53 | 27.58 | |

CAST RP-7-OC-044 DATE 12 SEP 73 TIME 1345 GMT
LAT 48 19.6N LONG 129 23.3W WEATHER 1 SEA STATE 3
BAROMETER 21 WIND DIR 000 T SPD 14 KT VISIBILITY 6
CLOUD 6 AMOUNT 6 DRY 14.5 WET 11.4 DEPTH 2542 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.25 | 32.06 | 23.67 | 0.000 |
| 1 | 15.25 | 32.05 | 23.67 | |
| 5 | 15.25 | 32.09 | 23.69 | .021 |
| 10 | 15.26 | 32.08 | 23.69 | .042 |
| 15 | 15.25 | 32.08 | 23.69 | .063 |
| 20 | 15.25 | 32.08 | 23.69 | .084 |
| 25 | 15.22 | 32.27 | 23.84 | .105 |
| 30 | 14.94 | 32.32 | 23.94 | .125 |
| 35 | 13.93 | 32.33 | 24.16 | .145 |
| 40 | 12.54 | 32.36 | 24.46 | .163 |
| 45 | 10.84 | 32.44 | 24.83 | .180 |
| 50 | 10.62 | 32.48 | 24.90 | .195 |
| 75 | 8.02 | 32.58 | 25.39 | .267 |
| 100 | 7.23 | 32.79 | 25.67 | .328 |
| 150 | 6.81 | 33.40 | 26.21 | .430 |
| 200 | 6.69 | 33.82 | 26.55 | .513 |
| 300 | 5.43 | 33.90 | 26.77 | .653 |
| 500 | 4.53 | 34.10 | 27.04 | .891 |
| 750 | 3.92 | 34.28 | 27.24 | 1.140 |
| 1000 | 3.23 | 34.39 | 27.40 | 1.343 |
| 1250 | 2.78 | 34.47 | 27.51 | 1.520 |
| 1500 | 2.44 | 34.52 | 27.57 | 1.679 |
| 1510 | 2.39 | 34.52 | 27.57 | |



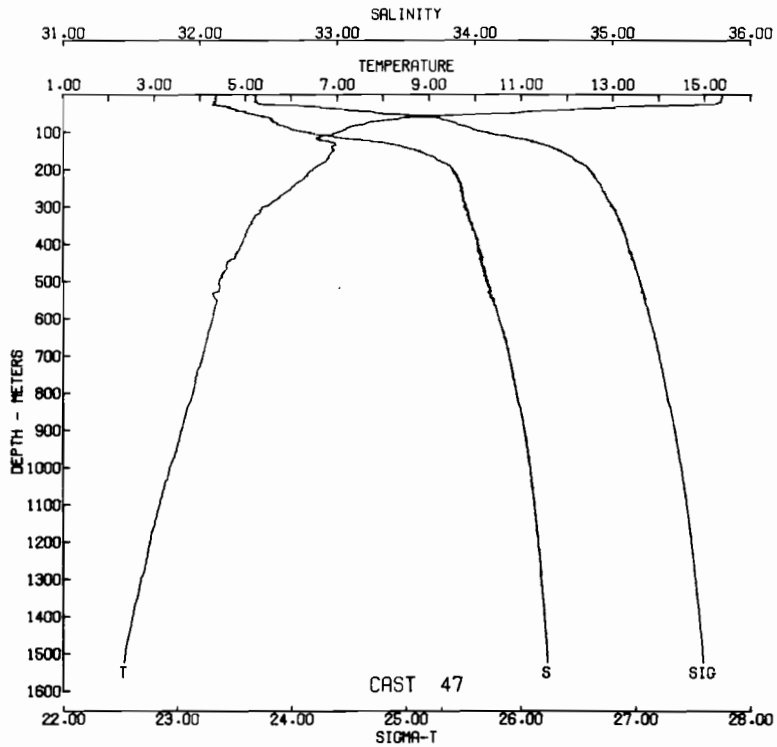



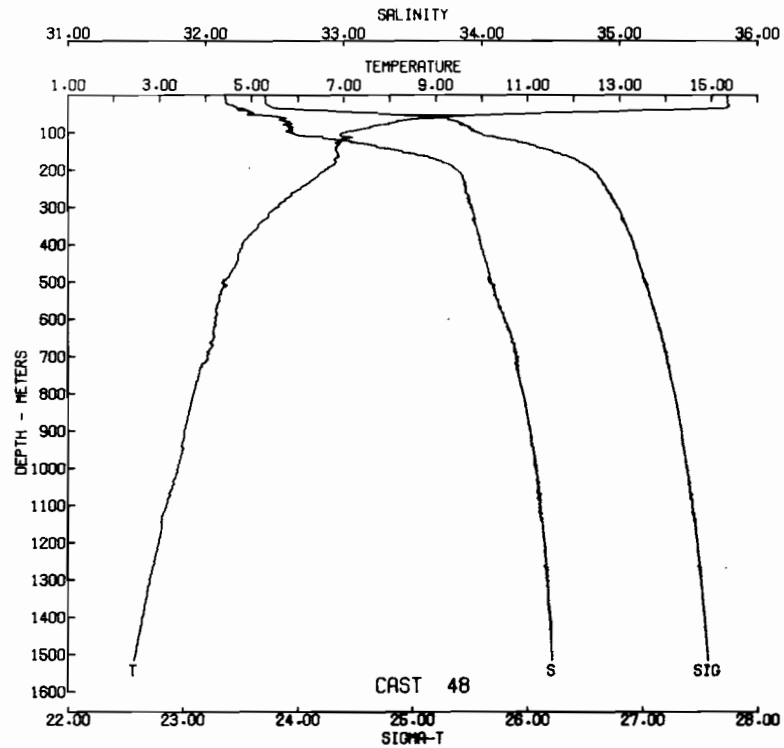

CAST RP-7-OC-045 DATE 12 SEP 73 TIME 1516 GMT
LAT 48 19.7N LONG 129 22.3W WEATHER 2 SEA STATE 3
BAROMETER 20 WIND DIR 005 T SPD 15 KT VISIBILITY 6
CLOUD 6 AMOUNT 6 DRY 14.8 WET 12.6 DEPTH 2337 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.36 | 32.06 | 23.65 | 0.000 |
| 5 | 15.35 | 32.06 | 23.66 | |
| 10 | 15.34 | 32.06 | 23.66 | .042 |
| 15 | 15.34 | 32.06 | 23.66 | .064 |
| 20 | 15.34 | 32.07 | 23.66 | .085 |
| 25 | 15.25 | 32.27 | 23.84 | .106 |
| 30 | 14.42 | 32.14 | 23.91 | .126 |
| 35 | 12.83 | 32.23 | 24.31 | .145 |
| 40 | 11.92 | 32.27 | 24.51 | .163 |
| 45 | 11.26 | 32.44 | 24.76 | .179 |
| 50 | 10.88 | 32.45 | 24.83 | .195 |
| 75 | 8.44 | 32.51 | 25.28 | .267 |
| 100 | 7.38 | 32.71 | 25.55 | .331 |
| 150 | 6.31 | 33.43 | 26.23 | .435 |
| 200 | 6.69 | 33.82 | 26.55 | .517 |
| 300 | 5.41 | 33.89 | 26.77 | .658 |
| 500 | 4.50 | 34.09 | 27.04 | .897 |
| 750 | 3.96 | 34.27 | 27.23 | 1.144 |
| 1000 | 3.23 | 34.39 | 27.40 | 1.352 |
| 1250 | 2.75 | 34.47 | 27.51 | 1.529 |
| 1500 | 2.43 | 34.52 | 27.57 | 1.687 |
| 1565 | 2.43 | 34.52 | 27.57 | |

CAST RP-7-OC-046 DATE 12 SEP 73 TIME 1916 GMT
LAT 48 19.3N LONG 128 43.1W WEATHER 1 SEA STATE 4
BAROMETER 19 WIND DIR 340 T SPD 12 KT VISIBILITY 7
CLOUD 6 AMOUNT 2 DRY 15.9 WET 13.1 DEPTH 2440 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.34 | 32.11 | 23.70 | 0.000 |
| 3 | 15.34 | 32.11 | 23.70 | |
| 5 | 15.34 | 32.11 | 23.69 | .021 |
| 10 | 15.34 | 32.11 | 23.69 | .042 |
| 15 | 15.34 | 32.11 | 23.69 | .063 |
| 20 | 15.33 | 32.11 | 23.70 | .084 |
| 25 | 15.25 | 32.10 | 23.70 | .105 |
| 30 | 14.40 | 32.14 | 23.92 | .126 |
| 35 | 13.19 | 32.22 | 24.22 | .145 |
| 40 | 12.01 | 32.24 | 24.47 | .163 |
| 45 | 10.66 | 32.35 | 24.80 | .180 |
| 50 | 9.88 | 32.40 | 24.96 | .195 |
| 75 | 7.71 | 32.56 | 25.42 | .263 |
| 100 | 7.05 | 32.81 | 25.71 | .324 |
| 150 | 6.91 | 33.54 | 26.31 | .425 |
| 200 | 6.52 | 33.83 | 26.58 | .504 |
| 300 | 5.47 | 33.93 | 26.79 | .641 |
| 500 | 4.41 | 34.09 | 27.04 | .876 |
| 750 | 3.88 | 34.30 | 27.26 | 1.120 |
| 1000 | 3.31 | 34.41 | 27.41 | 1.322 |
| 1250 | 2.81 | 34.48 | 27.51 | 1.497 |
| 1500 | 2.38 | 34.53 | 27.58 | 1.654 |
| 1514 | 2.37 | 34.53 | 27.58 | |



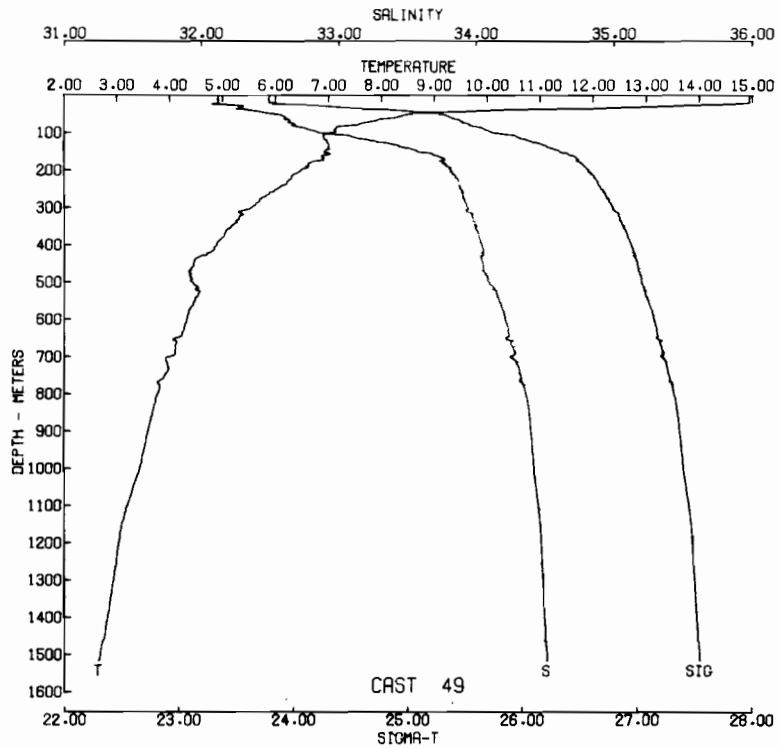



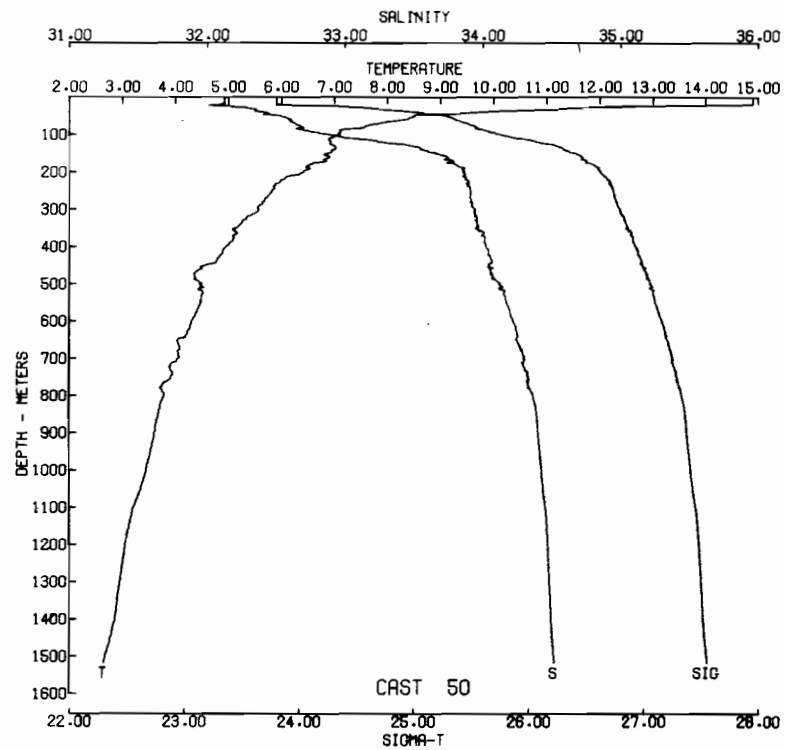

CAST RP-7-OC-047 DATE 12 SEP 73 TIME 2229 GMT
LAT 48 21.1N LONG 128 00.0W WEATHER 1 SEA STATE 7
BAROMETER 18 WIND DIR 340 T SPD 10 KT VISIBILITY 7
CLOUD 6 AMOUNT 2 DRY 16.2 WET 13.1 DEPTH 2570 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.39 | 32.12 | 23.69 | 0.000 |
| 3 | 15.39 | 32.12 | 23.69 | |
| 5 | 15.40 | 32.11 | 23.69 | .021 |
| 10 | 15.38 | 32.11 | 23.68 | .042 |
| 15 | 15.37 | 32.11 | 23.69 | .063 |
| 20 | 15.35 | 32.11 | 23.69 | .084 |
| 25 | 15.20 | 32.11 | 23.73 | .105 |
| 30 | 13.75 | 32.15 | 24.06 | .126 |
| 35 | 13.00 | 32.20 | 24.25 | .144 |
| 40 | 12.16 | 32.27 | 24.46 | .162 |
| 45 | 11.13 | 32.33 | 24.70 | .179 |
| 50 | 10.82 | 32.34 | 24.76 | .195 |
| 75 | 7.65 | 32.56 | 25.43 | .265 |
| 100 | 7.01 | 32.78 | 25.70 | .326 |
| 150 | 6.91 | 33.60 | 26.35 | .425 |
| 200 | 6.47 | 33.84 | 26.60 | .504 |
| 300 | 5.38 | 33.93 | 26.81 | .642 |
| 500 | 4.42 | 34.08 | 27.04 | .877 |
| 750 | 3.93 | 34.28 | 27.24 | 1.124 |
| 1000 | 3.34 | 34.40 | 27.40 | 1.333 |
| 1250 | 2.82 | 34.47 | 27.50 | 1.512 |
| 1500 | 2.37 | 34.52 | 27.58 | 1.669 |
| 1522 | 2.34 | 34.53 | 27.59 | |

CAST RP-7-OC-048 DATE 13 SEP 73 TIME 0134 GMT
LAT 48 19.9N LONG 127 28.5W WEATHER 1 SEA STATE 4
BAROMETER 16 WIND DIR 337 T SPD 16 KT VISIBILITY 8
CLOUD 2 AMOUNT 3 DRY 14.1 WET 12.2 DEPTH 2604 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.35 | 32.14 | 23.72 | 0.000 |
| 3 | 15.35 | 32.14 | 23.72 | |
| 5 | 15.35 | 32.14 | 23.72 | .021 |
| 10 | 15.36 | 32.15 | 23.72 | .042 |
| 15 | 15.37 | 32.15 | 23.72 | .063 |
| 20 | 15.36 | 32.15 | 23.72 | .084 |
| 25 | 15.38 | 32.17 | 23.73 | .105 |
| 30 | 15.38 | 32.21 | 23.76 | .126 |
| 35 | 15.10 | 32.23 | 23.84 | .146 |
| 40 | 13.58 | 32.25 | 24.17 | .166 |
| 45 | 12.14 | 32.32 | 24.50 | .184 |
| 50 | 10.90 | 32.34 | 24.74 | .201 |
| 75 | 7.97 | 32.68 | 25.42 | .270 |
| 100 | 6.97 | 32.62 | 25.57 | .333 |
| 150 | 6.84 | 33.42 | 26.22 | .439 |
| 200 | 6.59 | 33.83 | 26.57 | .521 |
| 300 | 5.54 | 33.92 | 26.78 | .660 |
| 500 | 4.37 | 34.05 | 27.02 | .898 |
| 750 | 3.85 | 34.27 | 27.24 | 1.145 |
| 1000 | 3.38 | 34.39 | 27.39 | 1.353 |
| 1250 | 2.87 | 34.47 | 27.49 | 1.533 |
| 1500 | 2.46 | 34.51 | 27.56 | 1.694 |
| 1514 | 2.43 | 34.51 | 27.57 | |



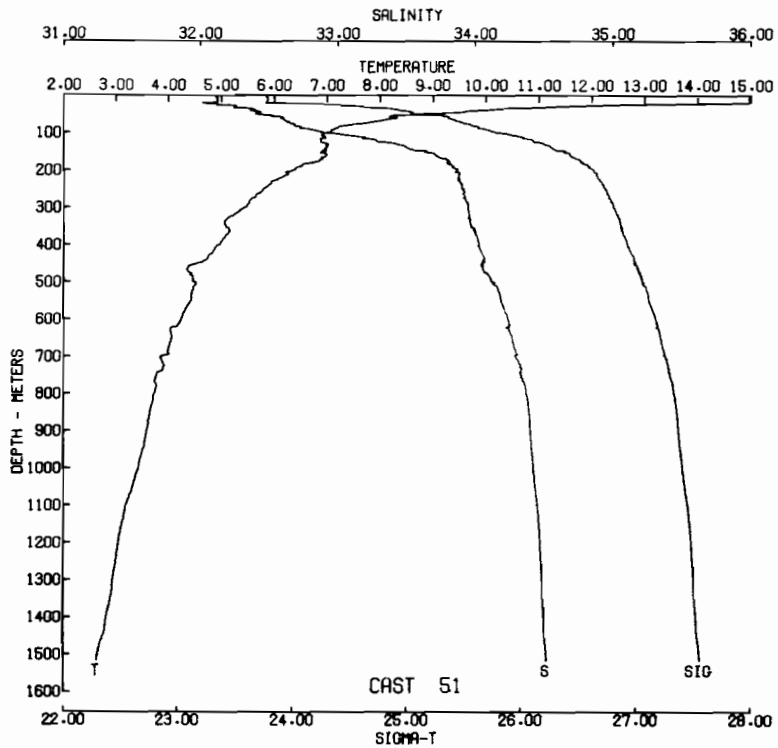




CAST RP-7-CC-049 DATE 13 SEP 73 TIME 0414 GMT
LAT 48 19.4N LONG 126 48.1W WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 340 T SPD 10 KT VISIBILITY 7
CLOUD X AMOUNT 9 DRY 13.8 WET 12.1 DEPTH 2537 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.94 | 32.13 | 23.79 | 0.000 |
| 3 | 14.94 | 32.12 | 23.79 | |
| 5 | 14.95 | 32.12 | 23.79 | .021 |
| 10 | 14.95 | 32.11 | 23.78 | .041 |
| 15 | 14.95 | 32.12 | 23.79 | .062 |
| 20 | 14.92 | 32.12 | 23.79 | .082 |
| 25 | 13.87 | 32.16 | 24.04 | .103 |
| 30 | 13.05 | 32.30 | 24.32 | .121 |
| 35 | 11.91 | 32.29 | 24.53 | .139 |
| 40 | 10.01 | 32.35 | 24.90 | .155 |
| 45 | 9.19 | 32.44 | 25.10 | .170 |
| 50 | 8.59 | 32.53 | 25.27 | .184 |
| 75 | 7.63 | 32.66 | 25.51 | .249 |
| 100 | 7.05 | 32.85 | 25.74 | .308 |
| 150 | 6.93 | 33.57 | 26.33 | .405 |
| 200 | 6.49 | 33.81 | 26.58 | .484 |
| 300 | 5.56 | 33.94 | 26.79 | .623 |
| 500 | 4.42 | 34.10 | 27.05 | .856 |
| 750 | 3.91 | 34.33 | 27.28 | 1.098 |
| 1000 | 3.44 | 34.42 | 27.41 | 1.297 |
| 1250 | 2.99 | 34.48 | 27.49 | 1.475 |
| 1500 | 2.69 | 34.51 | 27.55 | 1.641 |
| 1515 | 2.66 | 34.52 | 27.55 | |

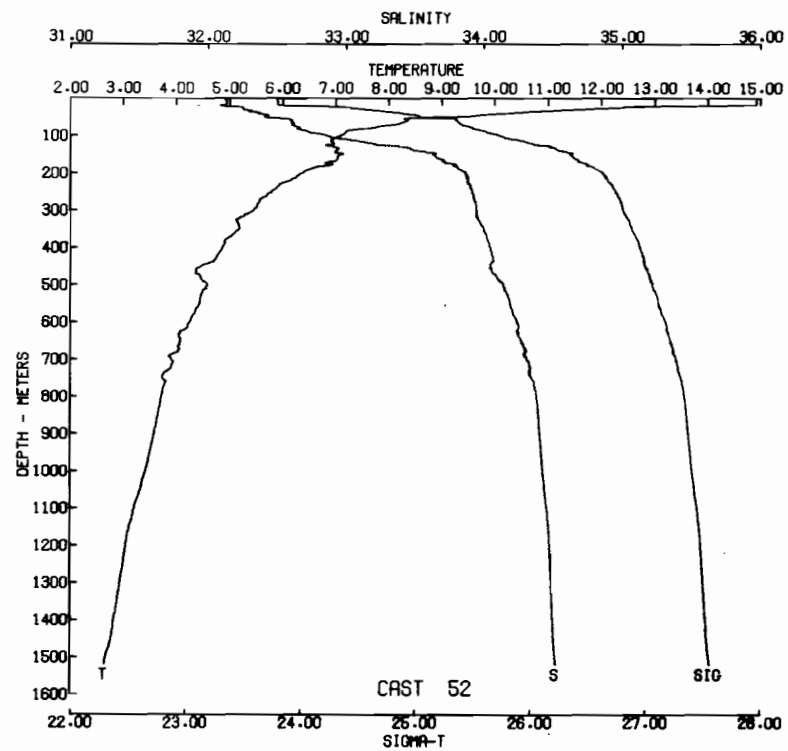
CAST RP-7-CC-050 DATE 13 SEP 73 TIME 0616 GMT
LAT 48 19.9N LONG 126 47.9W WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 325 T SPD 08 KT VISIBILITY 7
CLOUD X AMOUNT 9 DRY 13.7 WET 12.0 DEPTH 2538 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.90 | 32.12 | 23.80 | 0.000 |
| 4 | 14.90 | 32.12 | 23.80 | |
| 5 | 14.90 | 32.12 | 23.80 | .021 |
| 10 | 14.89 | 32.12 | 23.80 | .041 |
| 15 | 14.90 | 32.12 | 23.80 | .062 |
| 20 | 14.65 | 32.09 | 23.83 | .082 |
| 25 | 12.24 | 32.19 | 24.39 | .101 |
| 30 | 11.41 | 32.30 | 24.62 | .119 |
| 35 | 10.53 | 32.35 | 24.82 | .135 |
| 40 | 9.66 | 32.42 | 25.02 | .150 |
| 45 | 9.23 | 32.44 | 25.10 | .165 |
| 50 | 8.52 | 32.53 | 25.28 | .179 |
| 75 | 7.64 | 32.67 | 25.52 | .244 |
| 100 | 7.09 | 32.87 | 25.75 | .304 |
| 150 | 6.87 | 33.67 | 26.41 | .399 |
| 200 | 6.42 | 33.86 | 26.62 | .476 |
| 300 | 5.56 | 33.94 | 26.79 | .612 |
| 500 | 4.46 | 34.12 | 27.06 | .847 |
| 750 | 3.90 | 34.33 | 27.29 | 1.086 |
| 1000 | 3.44 | 34.42 | 27.41 | 1.285 |
| 1250 | 2.99 | 34.48 | 27.49 | 1.464 |
| 1500 | 2.67 | 34.52 | 27.55 | 1.630 |
| 1516 | 2.64 | 34.52 | 27.55 | |



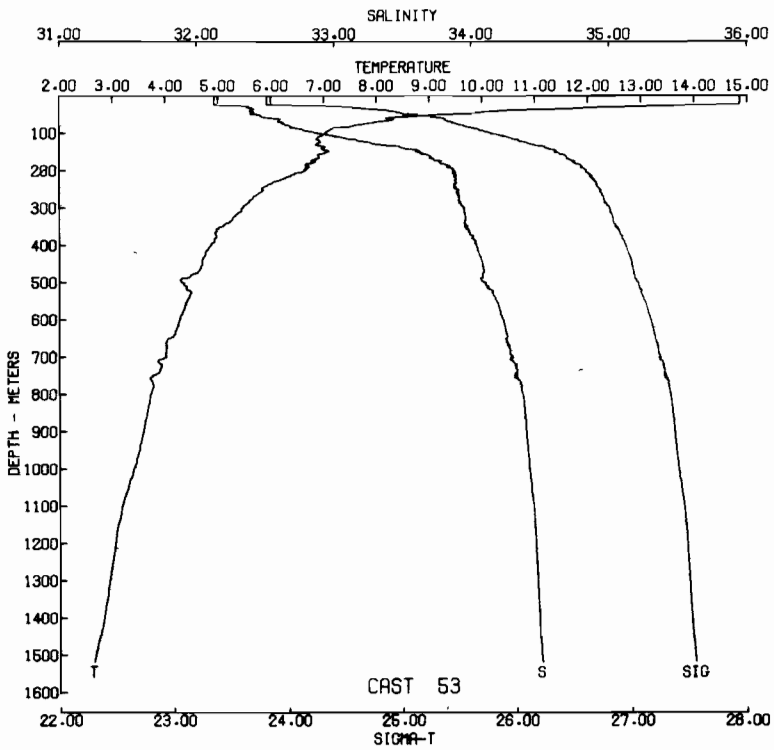

CAST RP-7-OC-051 DATE 13 SEP 73 TIME 0815 GMT
LAT 48 19.9N LONG 126 46.7W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 340 T SPD 09 KT VISIBILITY 6
CLOUD X AMOUNT 9 DRY 13.7 WET 12.4 DEPTH 2528 M

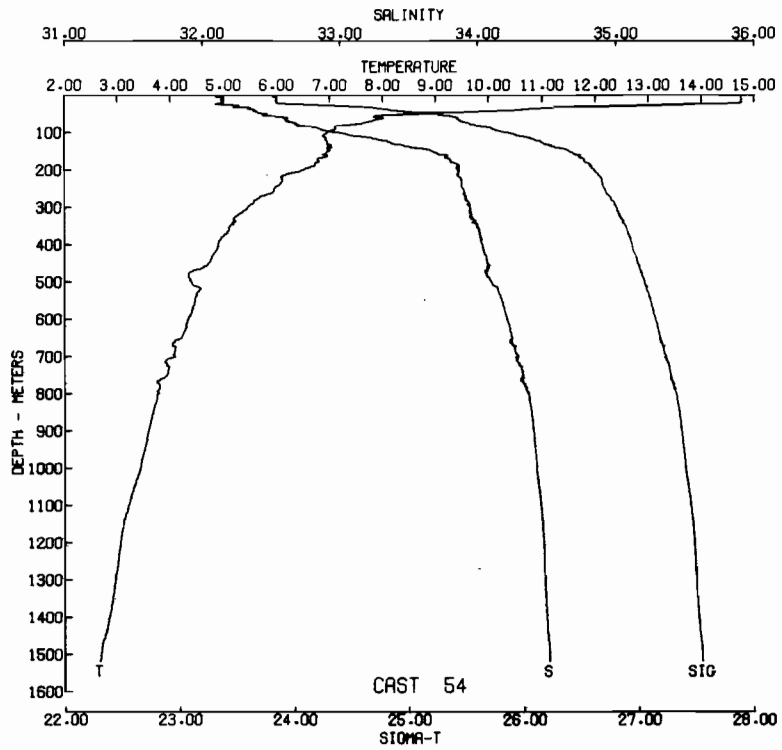
| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.97 | 32.10 | 23.77 | 0.000 |
| 1 | 14.97 | 32.10 | 23.77 | |
| 5 | 14.97 | 32.11 | 23.78 | .021 |
| 10 | 14.97 | 32.12 | 23.79 | .041 |
| 15 | 14.98 | 32.13 | 23.79 | .062 |
| 20 | 14.90 | 32.09 | 23.77 | .083 |
| 25 | 12.38 | 32.12 | 24.31 | .102 |
| 30 | 11.32 | 32.26 | 24.61 | .119 |
| 35 | 10.38 | 32.38 | 24.86 | .135 |
| 40 | 10.00 | 32.39 | 24.93 | .151 |
| 45 | 9.59 | 32.44 | 25.04 | .166 |
| 50 | 8.89 | 32.40 | 25.13 | .180 |
| 75 | 7.69 | 32.65 | 25.50 | .246 |
| 100 | 6.97 | 32.92 | 25.81 | .305 |
| 150 | 6.96 | 33.63 | 26.37 | .400 |
| 200 | 6.37 | 33.87 | 26.63 | .478 |
| 300 | 5.44 | 33.95 | 26.81 | .613 |
| 500 | 4.49 | 34.15 | 27.08 | .846 |
| 750 | 3.78 | 34.34 | 27.30 | 1.081 |
| 1000 | 3.43 | 34.43 | 27.41 | 1.278 |
| 1250 | 2.99 | 34.48 | 27.49 | 1.456 |
| 1500 | 2.65 | 34.52 | 27.55 | 1.621 |
| 1515 | 2.63 | 34.52 | 27.56 | |




CAST RP-7-OC-052 DATE 13 SEP 73 TIME 1016 GMT
LAT 48 19.9N LONG 126 45.6W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 340 T SPD 18 KT VISIBILITY 6
CLOUD 8 AMOUNT 2 DRY 13.6 WET 12.2 DEPTH 2522 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.93 | 32.12 | 23.79 | 0.000 |
| 1 | 14.93 | 32.12 | 23.79 | |
| 5 | 14.93 | 32.13 | 23.80 | .021 |
| 10 | 14.93 | 32.13 | 23.80 | .041 |
| 15 | 14.93 | 32.13 | 23.80 | .062 |
| 20 | 13.91 | 32.10 | 23.99 | .082 |
| 25 | 12.39 | 32.25 | 24.40 | .101 |
| 30 | 11.55 | 32.25 | 24.56 | .118 |
| 35 | 10.66 | 32.29 | 24.75 | .134 |
| 40 | 10.25 | 32.30 | 24.89 | .150 |
| 45 | 9.71 | 32.43 | 25.02 | .165 |
| 50 | 9.23 | 32.40 | 25.07 | .180 |
| 75 | 7.81 | 32.63 | 25.47 | .246 |
| 100 | 7.09 | 32.86 | 25.74 | .306 |
| 150 | 7.09 | 33.63 | 26.35 | .404 |
| 200 | 6.36 | 33.86 | 26.63 | .483 |
| 300 | 5.44 | 33.95 | 26.81 | .618 |
| 500 | 4.58 | 34.14 | 27.06 | .849 |
| 750 | 3.74 | 34.35 | 27.32 | 1.083 |
| 1000 | 3.42 | 34.43 | 27.41 | 1.280 |
| 1250 | 2.99 | 34.48 | 27.49 | 1.458 |
| 1500 | 2.66 | 34.51 | 27.55 | 1.623 |
| 1518 | 2.64 | 34.52 | 27.56 | |



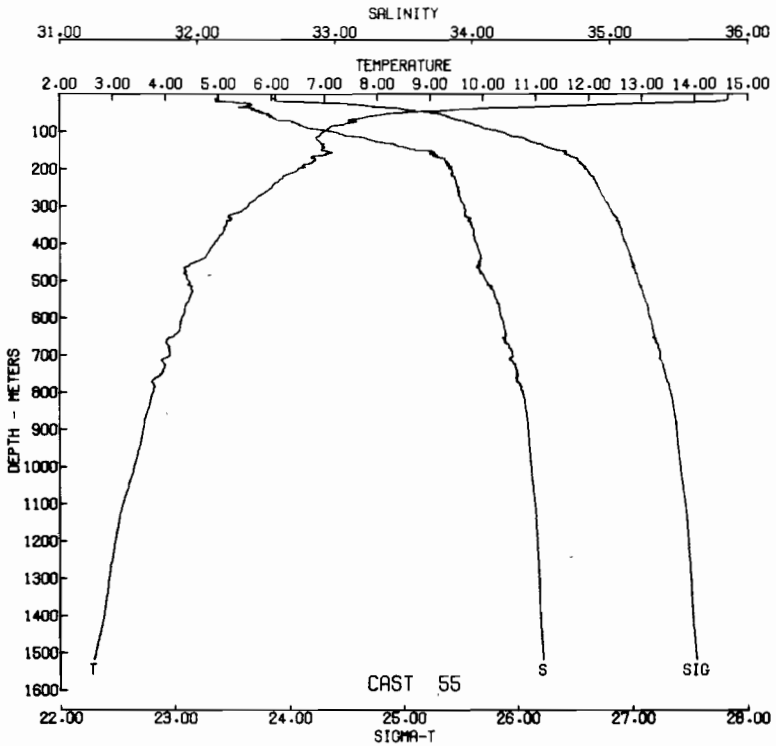



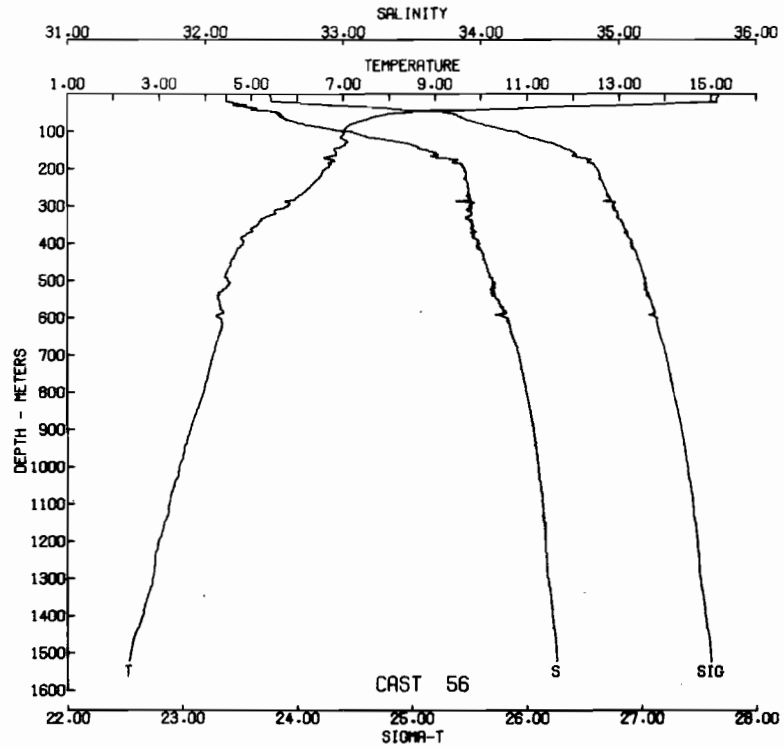

CAST RP-7-OC-053 DATE 13 SEP 73 TIME 1215 GMT
LAT 48 20.2N LONG 126 47.1W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 009 T SPD 04 KT VISIBILITY 6
CLOUD 6 AMOUNT 5 DRY 13.8 WET 12.3 DEPTH 2531 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.86 | 32.13 | 23.81 | 0.000 |
| 4 | 14.86 | 32.13 | 23.81 | |
| 5 | 14.87 | 32.13 | 23.81 | .020 |
| 10 | 14.86 | 32.13 | 23.81 | .041 |
| 15 | 14.87 | 32.12 | 23.81 | .062 |
| 20 | 14.87 | 32.13 | 23.81 | .082 |
| 25 | 14.36 | 32.18 | 23.96 | .102 |
| 30 | 12.24 | 32.36 | 24.52 | .121 |
| 35 | 11.35 | 32.42 | 24.73 | .137 |
| 40 | 10.38 | 32.40 | 24.88 | .153 |
| 45 | 9.92 | 32.39 | 24.95 | .168 |
| 50 | 9.33 | 32.44 | 25.08 | .183 |
| 75 | 7.78 | 32.64 | 25.48 | .250 |
| 100 | 7.06 | 32.90 | 25.78 | .309 |
| 150 | 7.05 | 33.60 | 26.33 | .407 |
| 200 | 6.65 | 33.88 | 26.60 | .486 |
| 300 | 5.47 | 33.95 | 26.81 | .623 |
| 500 | 4.35 | 34.10 | 27.06 | .856 |
| 750 | 3.76 | 34.32 | 27.29 | 1.094 |
| 1000 | 3.40 | 34.43 | 27.41 | 1.291 |
| 1250 | 2.99 | 34.48 | 27.49 | 1.469 |
| 1500 | 2.67 | 34.52 | 27.55 | 1.634 |
| 1517 | 2.65 | 34.52 | 27.56 | |

CAST RP-7-OC-054 DATE 13 SEP 73 TIME 1415 GMT
LAT 48 20.4N LONG 126 46.8W WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 330 T SPD 04 KT VISIBILITY 7
CLOUD 6 AMOUNT 5 DRY 13.7 WET 12.1 DEPTH 2533 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.75 | 32.13 | 23.84 | 0.000 |
| 5 | 14.76 | 32.13 | 23.84 | .020 |
| 10 | 14.76 | 32.14 | 23.84 | .041 |
| 15 | 14.76 | 32.14 | 23.84 | .061 |
| 20 | 14.75 | 32.14 | 23.85 | .082 |
| 25 | 13.40 | 32.15 | 24.13 | .101 |
| 30 | 11.70 | 32.23 | 24.52 | .119 |
| 35 | 10.92 | 32.33 | 24.73 | .136 |
| 40 | 10.47 | 32.39 | 24.86 | .152 |
| 45 | 9.50 | 32.40 | 25.03 | .167 |
| 50 | 8.47 | 32.47 | 25.25 | .181 |
| 75 | 7.62 | 32.68 | 25.53 | .246 |
| 100 | 6.95 | 33.01 | 25.88 | .304 |
| 150 | 6.96 | 33.67 | 26.40 | .398 |
| 200 | 6.49 | 33.86 | 26.61 | .475 |
| 300 | 5.45 | 33.94 | 26.81 | .612 |
| 500 | 4.39 | 34.10 | 27.05 | .846 |
| 750 | 3.93 | 34.33 | 27.28 | 1.087 |
| 1000 | 3.43 | 34.43 | 27.41 | 1.286 |
| 1250 | 3.01 | 34.48 | 27.49 | 1.464 |
| 1500 | 2.68 | 34.51 | 27.55 | 1.630 |
| 1517 | 2.66 | 34.52 | 27.55 | |



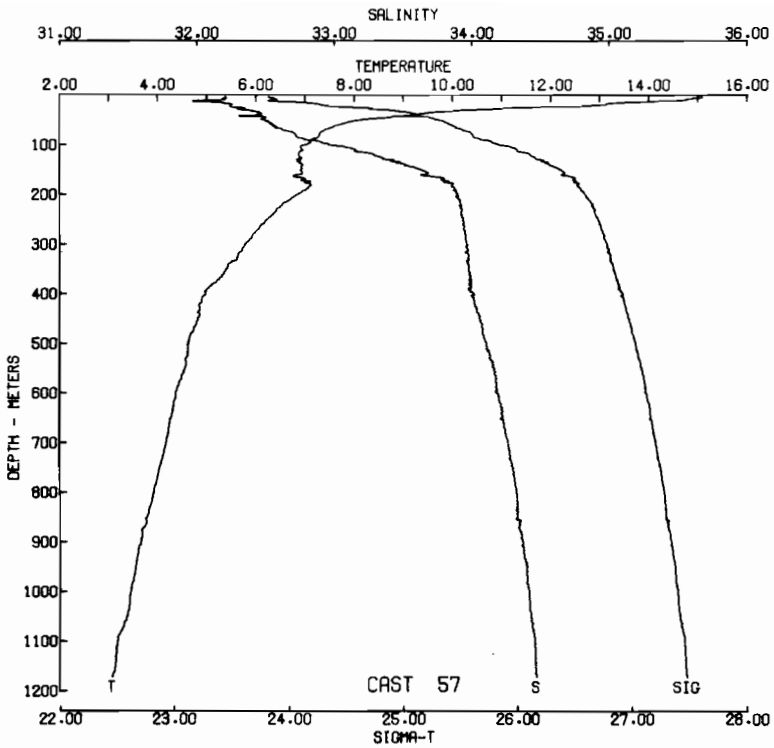



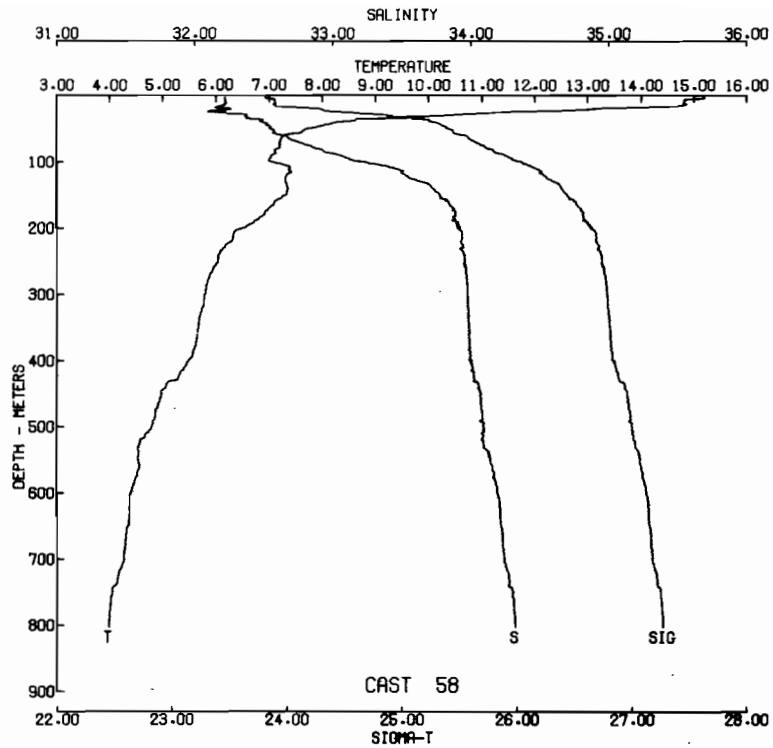

CAST RP-7-OC-055 DATE 13 SEP 73 TIME 1616 GMT
LAT 48 19.6N LONG 126 47.9W WEATHER 1 SEA STATE 2
BAROMETER 15 WIND DIR 320 T SPD 03 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 13.9 WET 12.1 DEPTH 2536 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.64 | 32.15 | 23.88 | 0.000 |
| 4 | 14.63 | 32.15 | 23.88 | |
| 5 | 14.63 | 32.15 | 23.88 | .020 |
| 10 | 14.63 | 32.15 | 23.88 | .040 |
| 15 | 14.63 | 32.14 | 23.87 | .061 |
| 20 | 14.38 | 32.13 | 23.92 | .081 |
| 25 | 12.80 | 32.38 | 24.43 | .100 |
| 30 | 11.89 | 32.38 | 24.60 | .117 |
| 35 | 10.86 | 32.31 | 24.73 | .133 |
| 40 | 9.87 | 32.41 | 24.98 | .148 |
| 45 | 9.25 | 32.45 | 25.10 | .163 |
| 50 | 8.50 | 32.47 | 25.24 | .177 |
| 75 | 7.59 | 32.69 | 25.54 | .242 |
| 100 | 7.00 | 32.96 | 25.84 | .300 |
| 150 | 6.93 | 33.58 | 26.33 | .397 |
| 200 | 6.50 | 33.84 | 26.59 | .476 |
| 300 | 5.59 | 33.94 | 26.80 | .614 |
| 500 | 4.43 | 34.10 | 27.05 | .848 |
| 750 | 3.92 | 34.32 | 27.28 | 1.088 |
| 1000 | 3.40 | 34.43 | 27.42 | 1.286 |
| 1250 | 2.98 | 34.48 | 27.50 | 1.463 |
| 1500 | 2.67 | 34.52 | 27.55 | 1.628 |
| 1517 | 2.63 | 34.52 | 27.56 | |

CAST RP-7-OC-056 DATE 13 SEP 73 TIME 1821 GMT
LAT 48 19.4N LONG 126 32.5W WEATHER 1 SEA STATE 2
BAROMETER 14 WIND DIR 332 T SPD 06 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 15.3 WET 13.1 DEPTH 1616 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.24 | 32.15 | 23.75 | 0.000 |
| 5 | 15.17 | 32.15 | 23.76 | |
| 10 | 15.15 | 32.15 | 23.77 | .041 |
| 15 | 15.14 | 32.15 | 23.77 | .062 |
| 20 | 15.13 | 32.15 | 23.77 | .083 |
| 25 | 14.12 | 32.21 | 24.03 | .103 |
| 30 | 13.12 | 32.38 | 24.38 | .122 |
| 35 | 11.33 | 32.29 | 24.63 | .139 |
| 40 | 10.36 | 32.36 | 24.86 | .155 |
| 45 | 9.01 | 32.45 | 25.14 | .170 |
| 50 | 8.32 | 32.53 | 25.31 | .184 |
| 75 | 7.30 | 32.64 | 25.55 | .248 |
| 100 | 6.98 | 33.02 | 25.88 | .306 |
| 150 | 6.81 | 33.62 | 26.38 | .401 |
| 200 | 6.61 | 33.88 | 26.61 | .479 |
| 300 | 5.79 | 33.93 | 26.76 | .620 |
| 500 | 4.47 | 34.08 | 27.03 | .859 |
| 750 | 4.05 | 34.31 | 27.25 | 1.107 |
| 1000 | 3.43 | 34.42 | 27.40 | 1.313 |
| 1250 | 2.90 | 34.48 | 27.50 | 1.492 |
| 1500 | 2.37 | 34.55 | 27.60 | 1.649 |
| 1521 | 2.34 | 34.55 | 27.60 | |



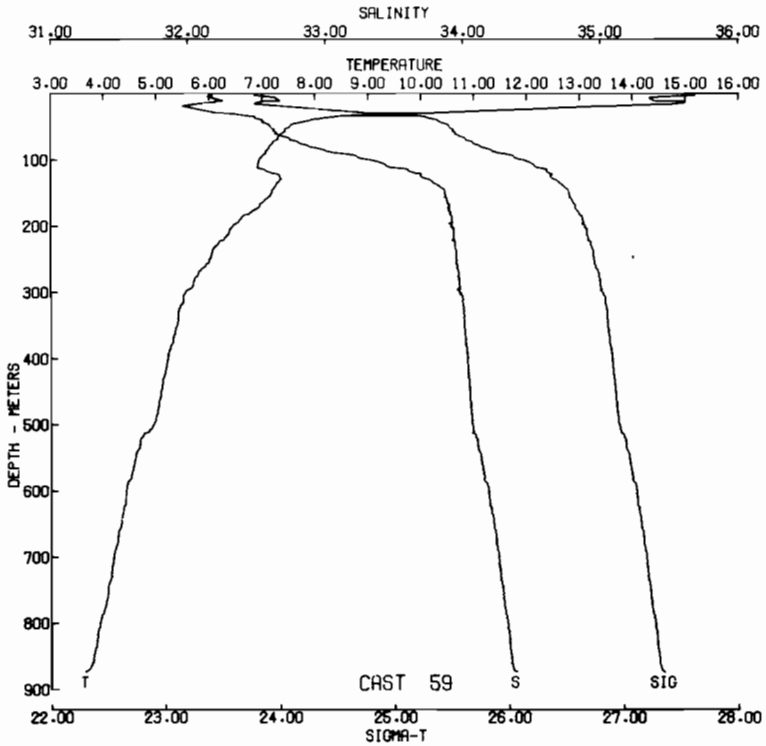



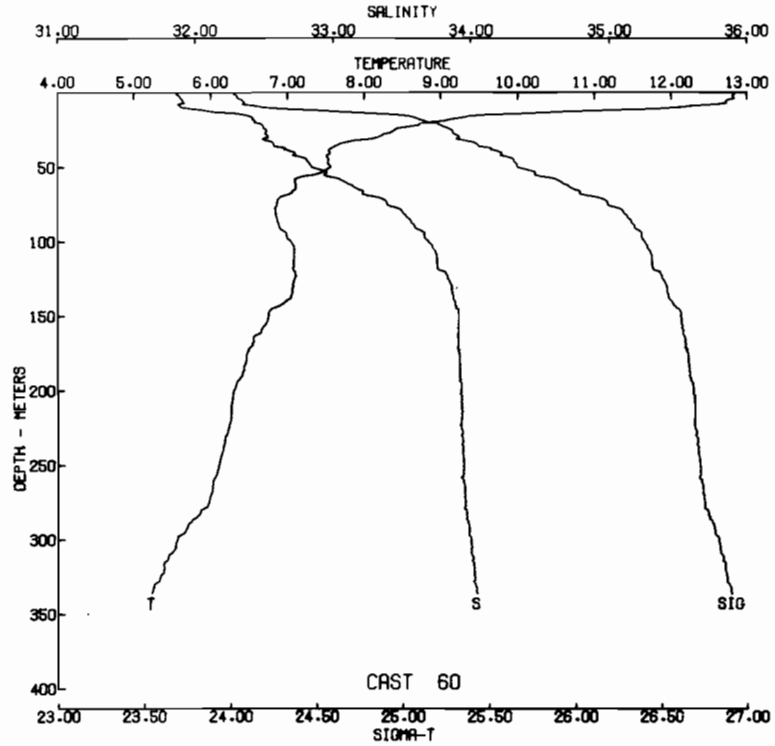

CAST RP-7-OC-057 DATE 13 SEP 73 TIME 2003 GMT
LAT 48 19.7N LONG 126 21.0W WEATHER 1 SEA STATE 2
BAROMETER 15 WIND DIR 350 T SPD 03 KT VISIBILITY 7
CLOUD 0 AMOUNT 2 DRY 15.8 WET 13.8 DEPTH 1179 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.39 | 32.21 | 23.76 | 0.000 |
| 4 | 15.08 | 32.20 | 23.82 | |
| 5 | 15.09 | 32.21 | 23.82 | .021 |
| 10 | 14.76 | 32.19 | 23.88 | .041 |
| 15 | 13.43 | 32.11 | 24.10 | .061 |
| 20 | 12.98 | 32.24 | 24.28 | .079 |
| 25 | 11.58 | 32.26 | 24.56 | .097 |
| 30 | 10.27 | 32.34 | 24.86 | .113 |
| 35 | 9.62 | 32.46 | 25.05 | .128 |
| 40 | 9.27 | 32.47 | 25.12 | .143 |
| 45 | 8.75 | 32.50 | 25.22 | .157 |
| 50 | 8.14 | 32.49 | 25.31 | .171 |
| 75 | 7.31 | 32.70 | 25.59 | .235 |
| 100 | 6.99 | 32.96 | 25.84 | .293 |
| 150 | 6.92 | 33.64 | 26.38 | .388 |
| 200 | 6.63 | 33.89 | 26.59 | .466 |
| 300 | 5.77 | 33.97 | 26.79 | .604 |
| 500 | 4.62 | 34.11 | 27.03 | .844 |
| 750 | 4.03 | 34.30 | 27.25 | 1.091 |
| 1000 | 3.44 | 34.42 | 27.40 | 1.299 |
| 1171 | 3.07 | 34.47 | 27.48 | |

CAST RP-7-OC-058 DATE 13 SEP 73 TIME 2130 GMT
LAT 48 20.2N LONG 126 11.3W WEATHER 1 SEA STATE 2
BAROMETER 15 WIND DIR 340 T SPD 05 KT VISIBILITY 7
CLOUD 0 AMOUNT 2 DRY 16.5 WET 13.2 DEPTH 0805 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.78 | 32.22 | 23.68 | 0.000 |
| 4 | 15.21 | 32.22 | 23.81 | |
| 5 | 15.11 | 32.21 | 23.83 | .021 |
| 10 | 14.82 | 32.22 | 23.89 | .041 |
| 15 | 14.79 | 32.22 | 23.90 | .061 |
| 20 | 13.12 | 32.26 | 24.27 | .081 |
| 25 | 11.66 | 32.09 | 24.42 | .099 |
| 30 | 10.45 | 32.38 | 24.85 | .115 |
| 35 | 9.12 | 32.38 | 25.07 | .130 |
| 40 | 8.40 | 32.47 | 25.25 | .144 |
| 45 | 8.03 | 32.52 | 25.34 | .158 |
| 50 | 7.77 | 32.54 | 25.40 | .171 |
| 75 | 7.18 | 32.81 | 25.69 | .232 |
| 100 | 7.04 | 33.23 | 26.04 | .286 |
| 150 | 7.31 | 33.77 | 26.43 | .375 |
| 200 | 6.51 | 33.90 | 26.64 | .451 |
| 300 | 5.79 | 33.98 | 26.79 | .585 |
| 500 | 4.78 | 34.09 | 27.00 | .831 |
| 750 | 4.04 | 34.31 | 27.25 | 1.081 |
| 802 | 3.98 | 34.32 | 27.27 | |



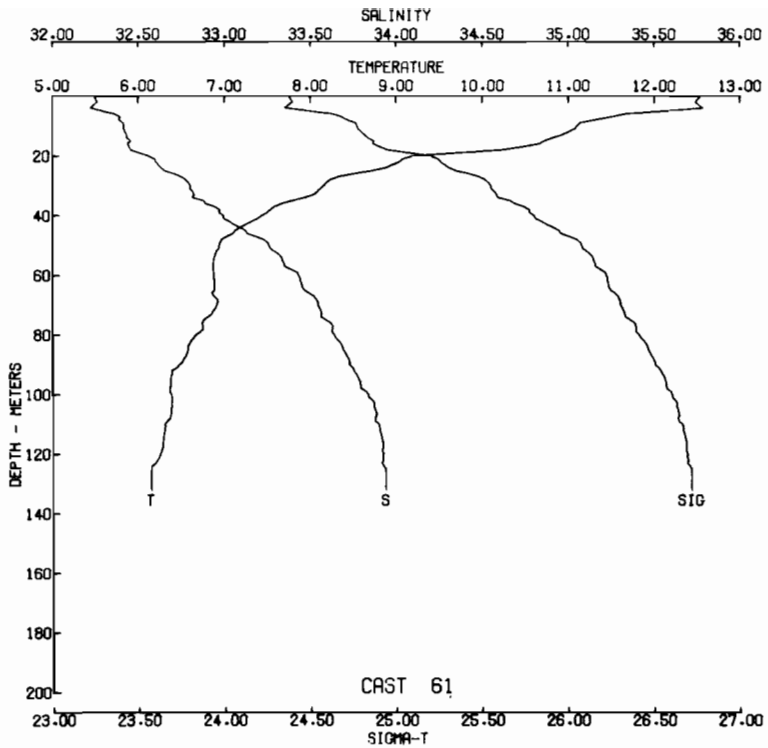




CAST RP-7-OC-059 DATE 13 SEP 73 TIME 2254 GMT
LAT 48 19.7N LONG 126 00.4W WEATHER 1 SEA STATE 2
BAROMETER 15 WIND DIR 321 T SPD 04 KT VISIBILITY 7
CLOUD 0 AMOUNT 2 DRY 16.0 WET 13.4 DEPTH 0876 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.78 | 32.16 | 23.64 | 0.000 |
| 3 | 15.19 | 32.17 | 23.78 | |
| 5 | 14.52 | 32.14 | 23.90 | .021 |
| 10 | 14.40 | 32.23 | 23.99 | .041 |
| 15 | 14.09 | 32.10 | 23.79 | .061 |
| 20 | 13.08 | 31.98 | 24.07 | .081 |
| 25 | 11.59 | 32.10 | 24.44 | .098 |
| 30 | 10.11 | 32.22 | 24.78 | .116 |
| 35 | 8.38 | 32.49 | 25.27 | .131 |
| 40 | 7.93 | 32.54 | 25.38 | .144 |
| 45 | 7.66 | 32.57 | 25.44 | .157 |
| 50 | 7.53 | 32.60 | 25.48 | .170 |
| 75 | 7.19 | 32.81 | 25.65 | .230 |
| 100 | 6.94 | 33.33 | 26.13 | .284 |
| 150 | 7.18 | 33.87 | 26.53 | .368 |
| 200 | 6.44 | 33.92 | 26.66 | .441 |
| 300 | 5.55 | 33.98 | 26.82 | .575 |
| 500 | 4.95 | 34.07 | 26.97 | .816 |
| 750 | 4.07 | 34.29 | 27.23 | 1.068 |
| 873 | 3.65 | 34.38 | 27.35 | |

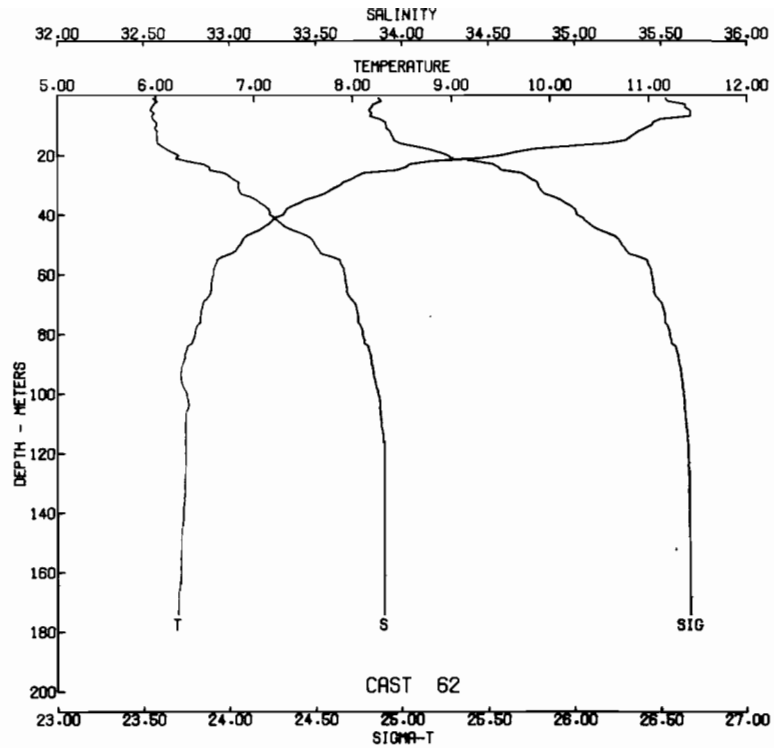
CAST RP-7-OC- 60 DATE 14 SEP 73 TIME 10 GMT
LAT 48 19.9N LONG 125 52.5W WEATHER 1 SEA STATE 2
BAROMETER 15 WIND DIR 304 T SPD 8 KT VISIBILITY 7
CLOUD 0 AMOUNT 2 DRY 16.1 WET 14.0 DEPTH 378 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 12.86 | 31.86 | 24.01 | 0.000 |
| 1 | 12.84 | 31.86 | 24.02 | |
| 5 | 12.75 | 31.90 | 24.07 | .019 |
| 10 | 12.08 | 31.98 | 24.19 | .039 |
| 15 | 9.61 | 32.35 | 24.97 | .055 |
| 20 | 8.88 | 32.43 | 25.15 | .070 |
| 25 | 8.48 | 32.52 | 25.29 | .084 |
| 30 | 8.17 | 32.53 | 25.33 | .097 |
| 35 | 7.66 | 32.57 | 25.44 | .110 |
| 40 | 7.55 | 32.72 | 25.57 | .123 |
| 45 | 7.53 | 32.81 | 25.64 | .135 |
| 50 | 7.56 | 32.84 | 25.67 | .146 |
| 75 | 6.86 | 33.39 | 26.19 | .190 |
| 100 | 7.04 | 33.69 | 26.40 | .241 |
| 150 | 6.75 | 33.91 | 26.62 | .319 |
| 200 | 6.29 | 33.93 | 26.69 | .390 |
| 300 | 5.56 | 34.00 | 26.84 | .525 |
| 336 | 5.23 | 34.04 | 26.91 | |



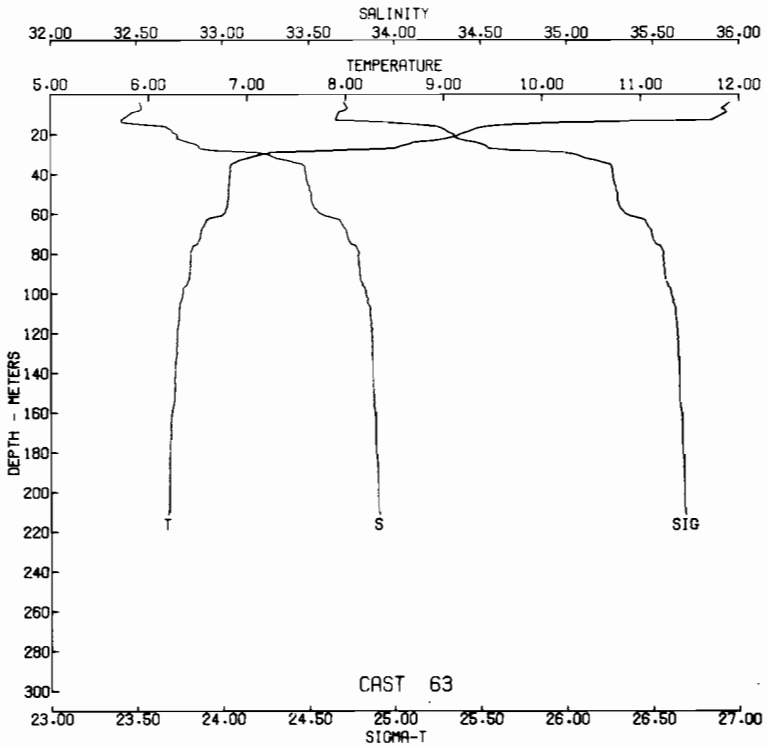

CAST RP-7-OC-061 DATE 14 SEP 73 TIME 0126 GMT
LAT 48 19.3N LONG 123 37.0W WEATHER 1 SEA STATE 2
BAROMETER 15 WIND DIR 335 T SPD 08 KT VISIBILITY 7
CLOUD 6 AMOUNT 1 DRY 14.9 WET 13.5 DEPTH 0214 M

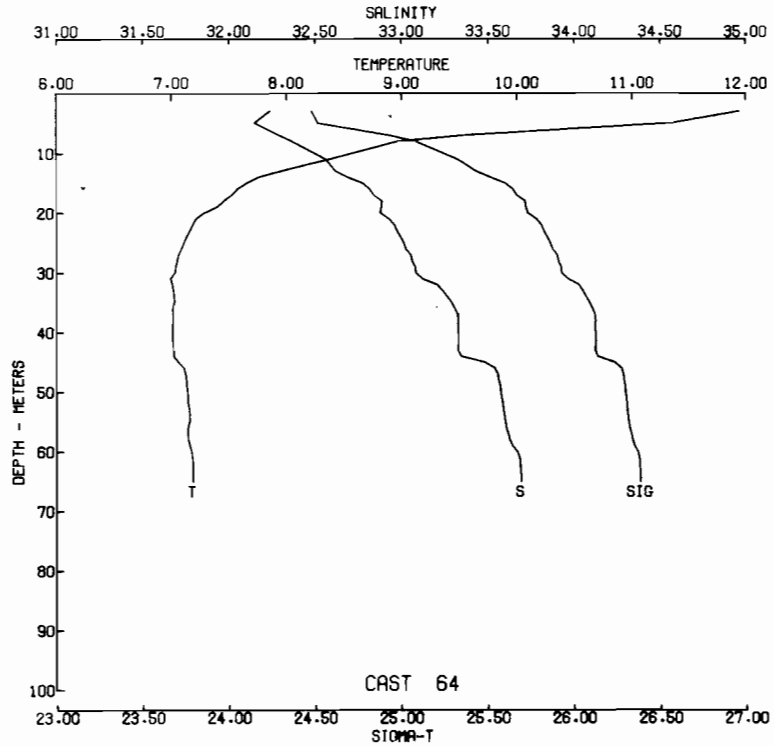
| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 12.54 | 32.25 | 24.37 | 0.000 |
| 5 | 12.12 | 32.29 | 24.49 | .018 |
| 10 | 11.11 | 32.42 | 24.77 | .034 |
| 15 | 10.72 | 32.46 | 24.87 | .050 |
| 20 | 9.20 | 32.56 | 25.20 | .065 |
| 25 | 8.71 | 32.66 | 25.35 | .078 |
| 30 | 8.15 | 32.80 | 25.55 | .091 |
| 35 | 7.79 | 32.88 | 25.66 | .103 |
| 40 | 7.44 | 32.99 | 25.80 | .114 |
| 45 | 7.12 | 33.12 | 25.94 | .125 |
| 50 | 6.94 | 33.26 | 26.08 | .135 |
| 75 | 6.76 | 33.59 | 26.36 | .180 |
| 100 | 6.38 | 33.83 | 26.61 | .219 |
| 132 | 6.15 | 33.94 | 26.72 | |




CAST RP-7-OC-062 DATE 14 SEP 73 TIME 0230 GMT
LAT 48 20.3N LONG 125 14.3W WEATHER 1 SEA STATE 2
BAROMETER 15 WIND DIR 294 T SPD 08 KT VISIBILITY 7
CLOUD 6 AMOUNT 1 DRY 13.3 WET 12.2 DEPTH 0182 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 11.16 | 32.57 | 24.88 | 0.000 |
| 1 | 11.17 | 32.56 | 24.87 | |
| 5 | 11.42 | 32.54 | 24.81 | .016 |
| 10 | 11.03 | 32.58 | 24.91 | .031 |
| 15 | 10.77 | 32.58 | 24.95 | .046 |
| 20 | 9.52 | 32.71 | 25.26 | .061 |
| 25 | 8.45 | 32.89 | 25.57 | .073 |
| 30 | 7.87 | 33.06 | 25.79 | .085 |
| 35 | 7.52 | 33.16 | 25.92 | .096 |
| 40 | 7.30 | 33.23 | 26.01 | .106 |
| 45 | 7.06 | 33.36 | 26.14 | .116 |
| 50 | 6.86 | 33.49 | 26.27 | .125 |
| 75 | 6.45 | 33.74 | 26.53 | .165 |
| 100 | 6.31 | 33.86 | 26.64 | .201 |
| 150 | 6.26 | 33.90 | 26.67 | .272 |
| 174 | 6.22 | 33.90 | 26.68 | |



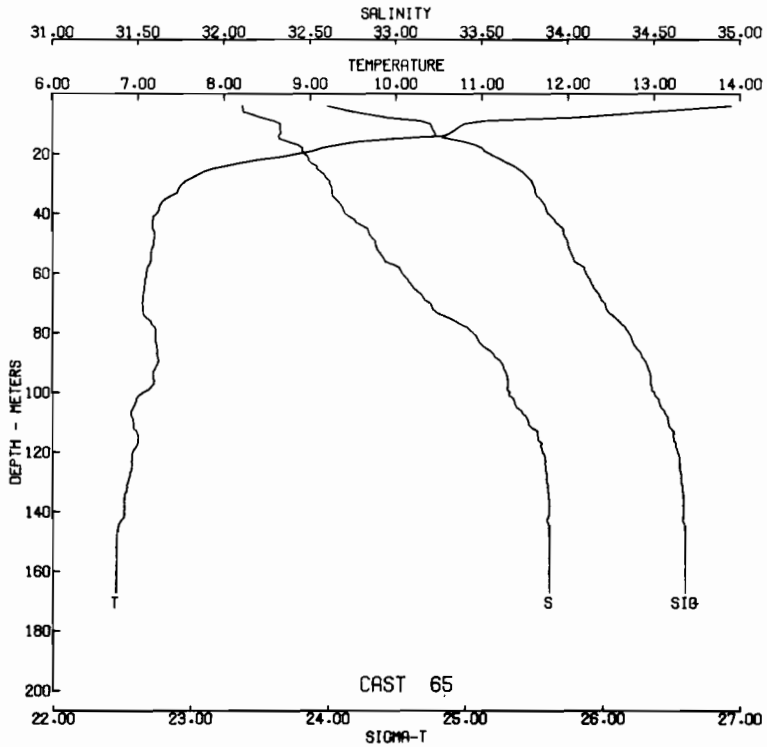




CAST RP-7-CC-063 DATE 14 SEP 73 TIME 0335 GMT
LAT 48 20.1N LONG 125 01.0W WEATHER 1 SEA STATE 2
BAROMETER 15 WIND DIR 273 T SPD 06 KT VISIBILITY 6
CLOUD X AMOUNT 9 DRY 13.2 WET 12.5 DEPTH 0219 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 12.02 | 32.51 | 24.67 | 0.000 |
| 4 | 11.91 | 32.52 | 24.70 | |
| 5 | 11.88 | 32.52 | 24.71 | .016 |
| 10 | 11.84 | 32.46 | 24.67 | .033 |
| 15 | 9.71 | 32.52 | 25.09 | .049 |
| 20 | 9.17 | 32.74 | 25.34 | .062 |
| 25 | 8.65 | 32.85 | 25.51 | .075 |
| 30 | 7.15 | 33.27 | 26.06 | .087 |
| 35 | 6.84 | 33.46 | 26.25 | .096 |
| 40 | 6.83 | 33.48 | 26.27 | .105 |
| 45 | 6.82 | 33.49 | 26.28 | .114 |
| 50 | 6.81 | 33.51 | 26.30 | .122 |
| 75 | 6.50 | 33.74 | 26.52 | .163 |
| 100 | 6.35 | 33.83 | 26.61 | .200 |
| 150 | 6.26 | 33.88 | 26.66 | .271 |
| 200 | 6.21 | 33.91 | 26.68 | .341 |
| 211 | 6.19 | 33.91 | 26.69 | |

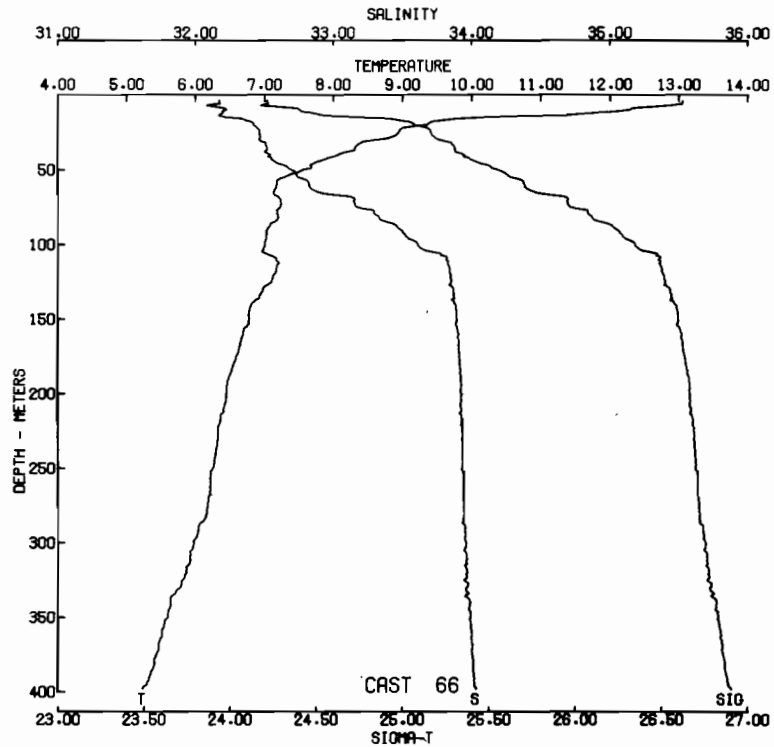
CAST RP-7-OC-064 DATE 14 SEP 73 TIME 0526 GMT
LAT 48 03.3N LONG 124 53.8W WEATHER 1 SEA STATE 2
BAROMETER 16 WIND DIR 193 T SPD 08 KT VISIBILITY 5
CLOUD X AMOUNT 9 DRY 13.5 WET 12.8 DEPTH 0070 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 13.92 | 32.16 | 24.03 | 0.000 |
| 3 | 11.94 | 32.24 | 24.48 | |
| 5 | 11.35 | 32.15 | 24.52 | .018 |
| 10 | 8.57 | 32.50 | 25.25 | .033 |
| 15 | 7.65 | 32.78 | 25.60 | .046 |
| 20 | 7.29 | 32.88 | 25.73 | .057 |
| 25 | 7.11 | 33.01 | 25.86 | .068 |
| 30 | 7.03 | 33.08 | 25.93 | .079 |
| 35 | 7.03 | 33.29 | 26.09 | .089 |
| 40 | 7.01 | 33.33 | 26.13 | .099 |
| 45 | 7.06 | 33.48 | 26.24 | .108 |
| 50 | 7.14 | 33.57 | 26.30 | .117 |
| 65 | 7.19 | 33.69 | 26.39 | |



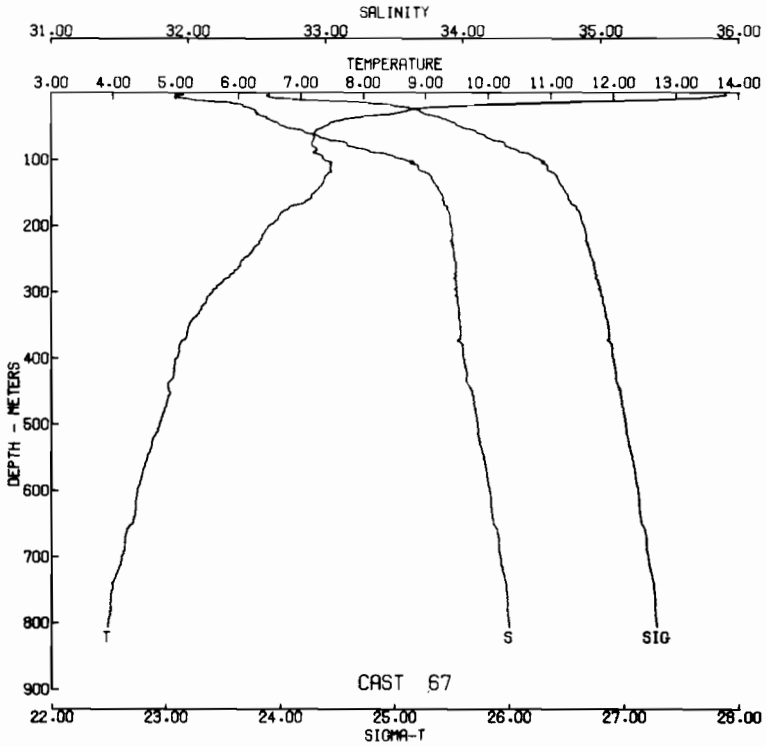

CAST RP-7-CC-065 DATE 14 SEP 73 TIME 0712 GMT
LAT 47 56.2N LONG 125 10.4W WEATHER 1 SEA STATE 3
BAROMETER 16 WIND DIR T SPD 00 KT VISIBILITY 6
CLOUD 3 AMOUNT 9 DRY 13.7 WET 12.6 DEPTH 0170 M

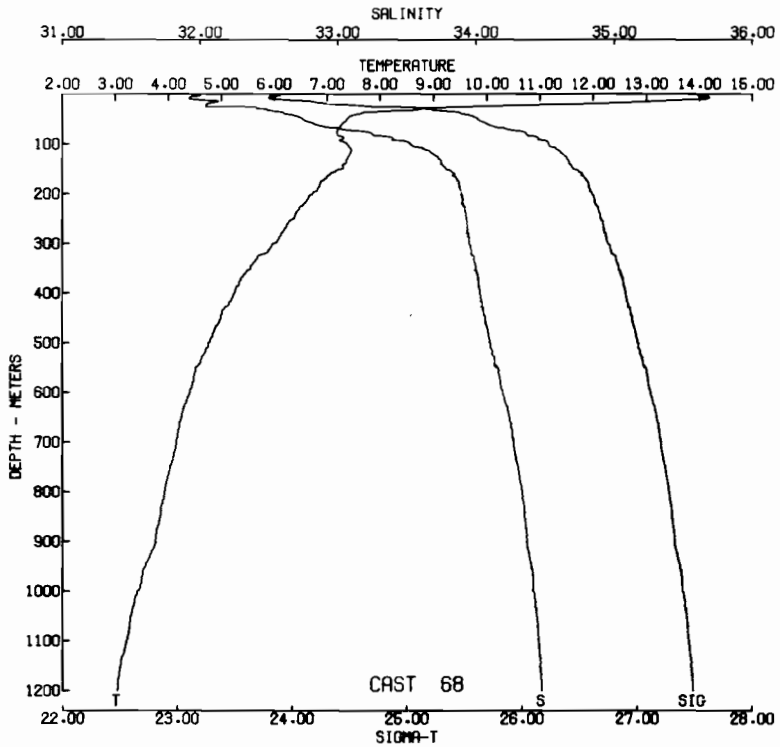
| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.73 | 32.03 | 23.55 | 0.000 |
| 4 | 13.90 | 32.11 | 24.00 | |
| 5 | 13.43 | 32.11 | 24.09 | .020 |
| 10 | 10.80 | 32.33 | 24.75 | .038 |
| 15 | 9.97 | 32.32 | 24.89 | .054 |
| 20 | 8.85 | 32.47 | 25.18 | .063 |
| 25 | 7.86 | 32.54 | 25.39 | .082 |
| 30 | 7.51 | 32.61 | 25.49 | .095 |
| 35 | 7.32 | 32.65 | 25.55 | .107 |
| 40 | 7.21 | 32.70 | 25.60 | .119 |
| 45 | 7.17 | 32.83 | 25.71 | .131 |
| 50 | 7.18 | 32.88 | 25.75 | .142 |
| 75 | 7.10 | 33.31 | 26.10 | .195 |
| 100 | 7.06 | 33.66 | 26.38 | .239 |
| 150 | 6.74 | 33.89 | 26.60 | .315 |
| 167 | 6.73 | 33.89 | 26.60 | |




CAST RP-7-CC-066 DATE 14 SEP 73 TIME 0820 GMT
LAT 47 52.0N LONG 125 16.2W WEATHER 1 SEA STATE 3
BAROMETER 17 WIND DIR 170 T SPD 06 KT VISIBILITY 5
CLOUD X AMOUNT 9 DRY 13.8 WET 12.8 DEPTH 0401 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 13.29 | 32.29 | 24.26 | 0.000 |
| 4 | 13.06 | 32.17 | 24.22 | |
| 5 | 13.06 | 32.17 | 24.22 | .018 |
| 10 | 12.29 | 32.23 | 24.40 | .037 |
| 15 | 10.26 | 32.22 | 24.76 | .054 |
| 20 | 9.36 | 32.42 | 25.06 | .069 |
| 25 | 8.95 | 32.46 | 25.16 | .083 |
| 30 | 8.63 | 32.46 | 25.21 | .097 |
| 35 | 8.32 | 32.52 | 25.30 | .111 |
| 40 | 8.07 | 32.54 | 25.36 | .124 |
| 45 | 7.74 | 32.59 | 25.44 | .137 |
| 50 | 7.57 | 32.69 | 25.55 | .150 |
| 75 | 7.23 | 33.17 | 25.97 | .206 |
| 100 | 7.01 | 33.61 | 26.35 | .252 |
| 150 | 6.77 | 33.89 | 26.60 | .329 |
| 200 | 6.45 | 33.93 | 26.67 | .400 |
| 300 | 5.97 | 33.96 | 26.76 | .538 |
| 398 | 5.23 | 34.03 | 26.91 | |



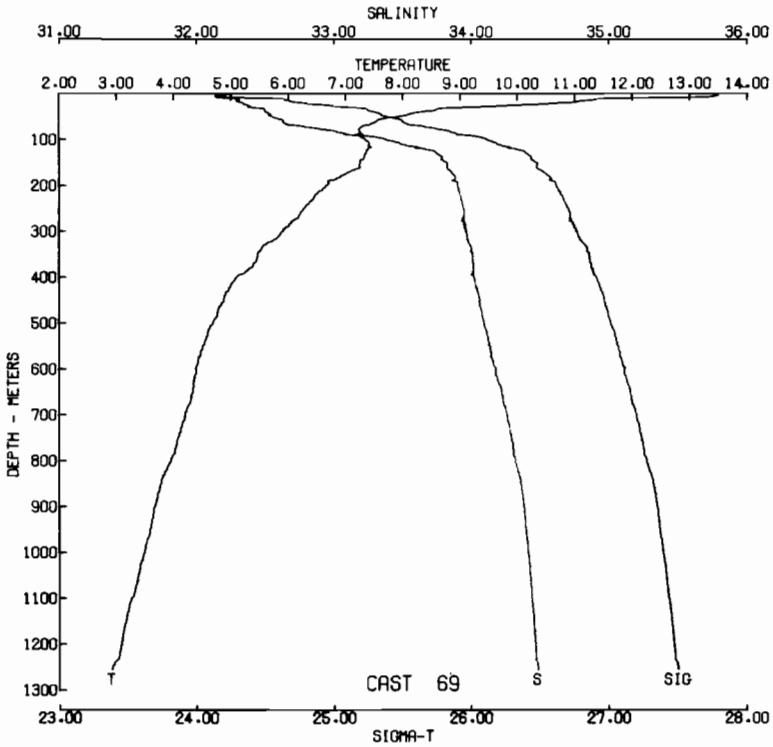



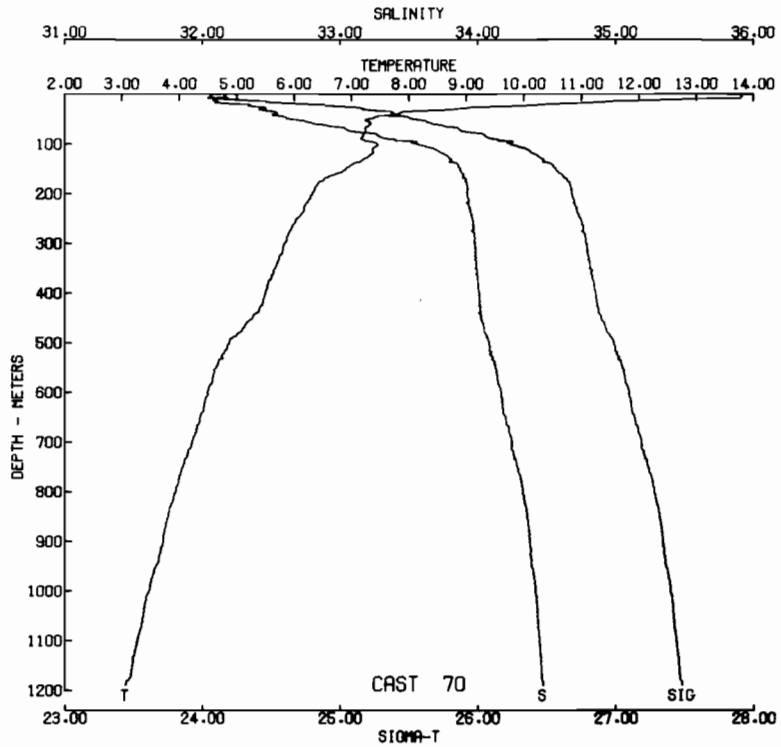

CAST RP-7-CC-067 DATE 14 SEP 73 TIME 0935 GMT
LAT 47 48.0N LONG 125 26.1W WEATHER 1 SEA STATE 3
BAROMETER 17 WIND DIR 170 T SPD 06 KT VISIBILITY 5
CLOUD X AMOUNT 9 DRY 14.3 WET 13.0 DEPTH 0809 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.04 | 32.00 | 23.89 | 0.000 |
| 3 | 13.73 | 31.96 | 23.91 | |
| 5 | 13.72 | 31.92 | 23.89 | .020 |
| 10 | 13.00 | 32.01 | 24.10 | .040 |
| 15 | 10.80 | 32.32 | 24.75 | .057 |
| 20 | 9.64 | 32.40 | 25.00 | .073 |
| 25 | 8.79 | 32.47 | 25.19 | .087 |
| 30 | 8.59 | 32.49 | 25.24 | .101 |
| 35 | 8.07 | 32.53 | 25.35 | .114 |
| 40 | 7.69 | 32.59 | 25.45 | .127 |
| 45 | 7.47 | 32.65 | 25.53 | .140 |
| 50 | 7.39 | 32.69 | 25.57 | .152 |
| 75 | 7.18 | 33.15 | 25.96 | .209 |
| 100 | 7.37 | 33.57 | 26.26 | .257 |
| 150 | 7.22 | 33.84 | 26.49 | .340 |
| 200 | 6.50 | 33.91 | 26.65 | .415 |
| 300 | 5.58 | 33.95 | 26.80 | .551 |
| 500 | 4.74 | 34.11 | 27.02 | .790 |
| 750 | 3.98 | 34.31 | 27.26 | 1.037 |
| 806 | 3.90 | 34.33 | 27.29 | |

CAST RP-7-CC-068 DATE 14 SEP 73 TIME 1054 GMT
LAT 47 43.9N LONG 125 35.0W WEATHER 1 SEA STATE 3
BAROMETER 18 WIND DIR 153 T SPD 06 KT VISIBILITY 5
CLOUD X AMOUNT 9 DRY 14.8 WET 13.1 DEPTH 1202 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 13.90 | 32.04 | 23.94 | 0.000 |
| 2 | 13.98 | 32.00 | 23.90 | |
| 5 | 14.17 | 31.94 | 23.81 | .020 |
| 10 | 14.12 | 31.93 | 23.81 | .041 |
| 15 | 13.10 | 32.13 | 24.17 | .060 |
| 20 | 11.68 | 32.05 | 24.38 | .079 |
| 25 | 9.76 | 32.04 | 24.71 | .096 |
| 30 | 8.75 | 32.48 | 25.21 | .110 |
| 35 | 7.98 | 32.54 | 25.37 | .124 |
| 40 | 7.59 | 32.61 | 25.48 | .136 |
| 45 | 7.42 | 32.71 | 25.58 | .149 |
| 50 | 7.37 | 32.74 | 25.61 | .161 |
| 75 | 7.19 | 33.19 | 25.99 | .217 |
| 100 | 7.38 | 33.53 | 26.23 | .265 |
| 150 | 7.28 | 33.78 | 26.44 | .350 |
| 200 | 6.72 | 33.90 | 26.61 | .425 |
| 300 | 5.38 | 33.95 | 26.75 | .565 |
| 500 | 4.75 | 34.10 | 27.01 | .807 |
| 750 | 4.03 | 34.31 | 27.25 | 1.054 |
| 1000 | 3.41 | 34.42 | 27.40 | 1.261 |
| 1199 | 3.03 | 34.48 | 27.49 | |



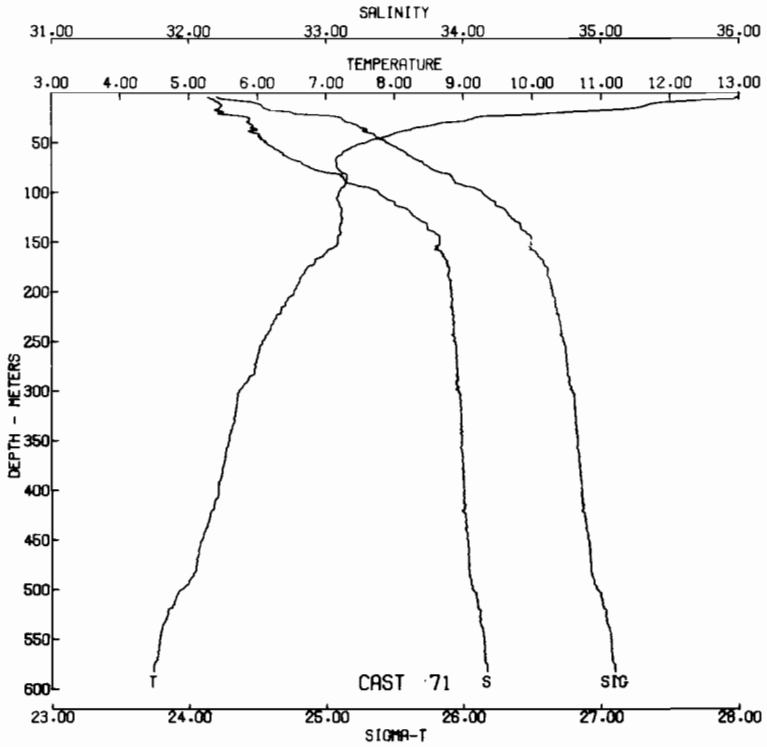



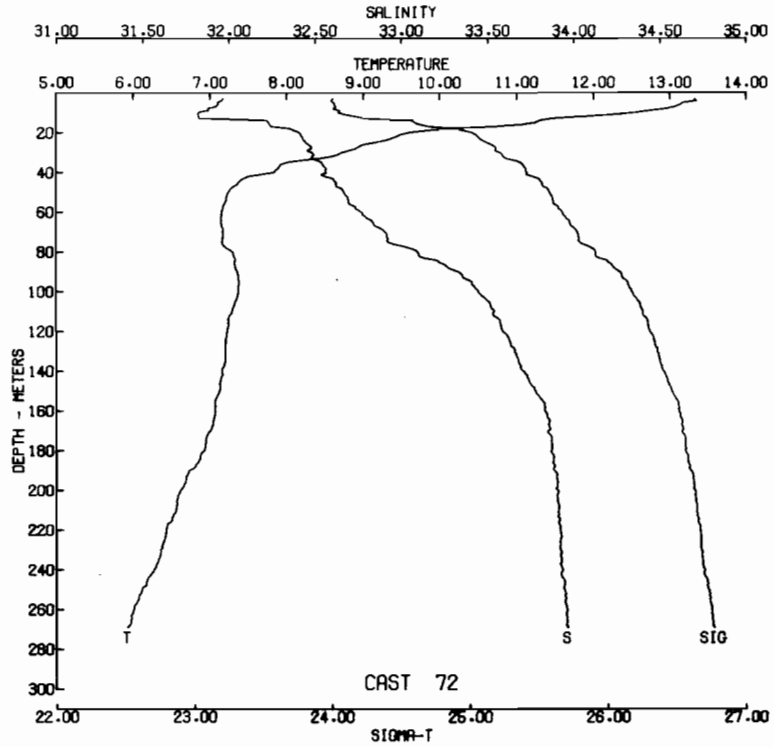

CAST RP-7-CC-069 DATE 14 SEP 73 TIME 1235 GMT
LAT 47 41.7N LONG 125 45.1W WEATHER 1 SEA STATE 3
BAROMETER 18 WIND DIR 101 T SPD 03 KT VISIBILITY 6
CLOUD 6 AMOUNT 5 DRY 14.3 WET 13.1 DEPTH 1257 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 13.51 | 32.33 | 24.24 | 0.000 |
| 5 | 13.45 | 32.19 | 24.15 | .019 |
| 10 | 11.91 | 32.24 | 24.49 | .037 |
| 15 | 11.19 | 32.31 | 24.67 | .054 |
| 20 | 10.85 | 32.33 | 24.75 | .070 |
| 25 | 9.92 | 32.38 | 24.94 | .086 |
| 30 | 9.02 | 32.40 | 25.10 | .101 |
| 35 | 8.59 | 32.50 | 25.25 | .115 |
| 40 | 8.33 | 32.51 | 25.29 | .128 |
| 45 | 8.12 | 32.54 | 25.35 | .142 |
| 50 | 7.95 | 32.55 | 25.38 | .155 |
| 75 | 7.25 | 32.87 | 25.73 | .217 |
| 100 | 7.34 | 33.38 | 26.12 | .269 |
| 150 | 7.25 | 33.82 | 26.48 | .355 |
| 200 | 6.66 | 33.90 | 26.62 | .431 |
| 300 | 5.90 | 33.96 | 26.77 | .570 |
| 500 | 4.69 | 34.10 | 27.02 | .809 |
| 750 | 4.08 | 34.29 | 27.24 | 1.059 |
| 1000 | 3.49 | 34.41 | 27.35 | 1.266 |
| 1250 | 2.93 | 34.49 | 27.50 | 1.447 |
| 1254 | 2.92 | 34.49 | 27.51 | |

CAST RP-7-CC-070 DATE 14 SEP 73 TIME 1418 GMT
LAT 47 47.9N LONG 125 41.9W WEATHER 1 SEA STATE 3
BAROMETER 19 WIND DIR 122 T SPD 05 KT VISIBILITY 7
CLOUD 6 AMOUNT 5 DRY 14.4 WET 13.2 DEPTH 1192 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 13.84 | 32.14 | 24.03 | 0.000 |
| 3 | 13.80 | 32.16 | 24.06 | |
| 5 | 13.80 | 32.17 | 24.06 | .019 |
| 10 | 13.07 | 32.09 | 24.15 | .038 |
| 15 | 11.51 | 32.11 | 24.46 | .057 |
| 20 | 10.44 | 32.18 | 24.70 | .074 |
| 25 | 9.50 | 32.37 | 25.00 | .089 |
| 30 | 8.82 | 32.46 | 25.18 | .103 |
| 35 | 7.96 | 32.50 | 25.34 | .117 |
| 40 | 7.82 | 32.54 | 25.39 | .130 |
| 45 | 7.45 | 32.58 | 25.47 | .143 |
| 50 | 7.29 | 32.61 | 25.52 | .156 |
| 75 | 7.24 | 33.08 | 25.90 | .212 |
| 100 | 7.45 | 33.56 | 26.24 | .261 |
| 150 | 6.91 | 33.87 | 26.57 | .342 |
| 200 | 6.32 | 33.93 | 26.68 | .413 |
| 300 | 5.83 | 33.98 | 26.79 | .548 |
| 500 | 4.87 | 34.08 | 26.95 | .796 |
| 750 | 4.06 | 34.29 | 27.24 | 1.050 |
| 1000 | 3.46 | 34.42 | 27.40 | 1.257 |
| 1189 | 3.06 | 34.47 | 27.48 | |



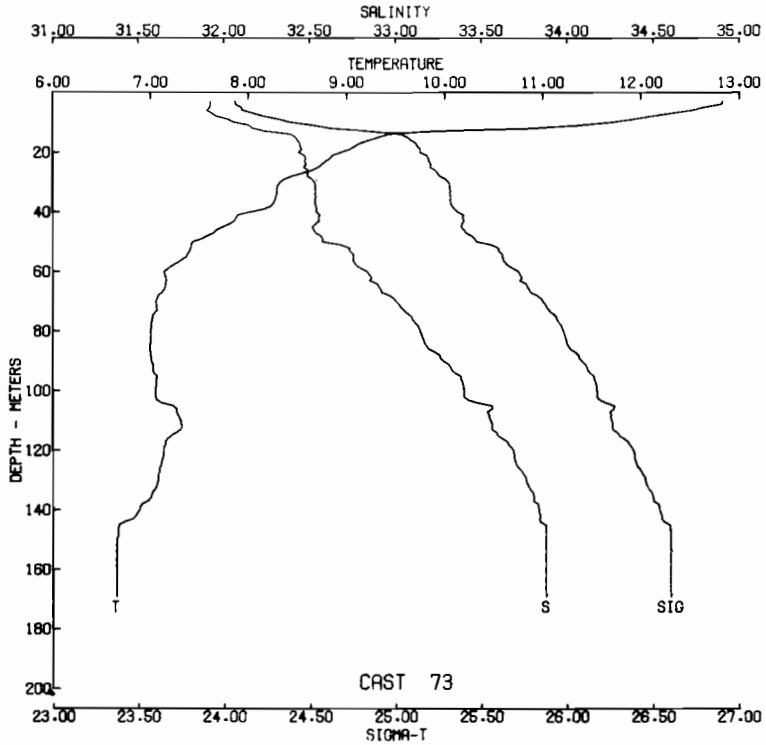



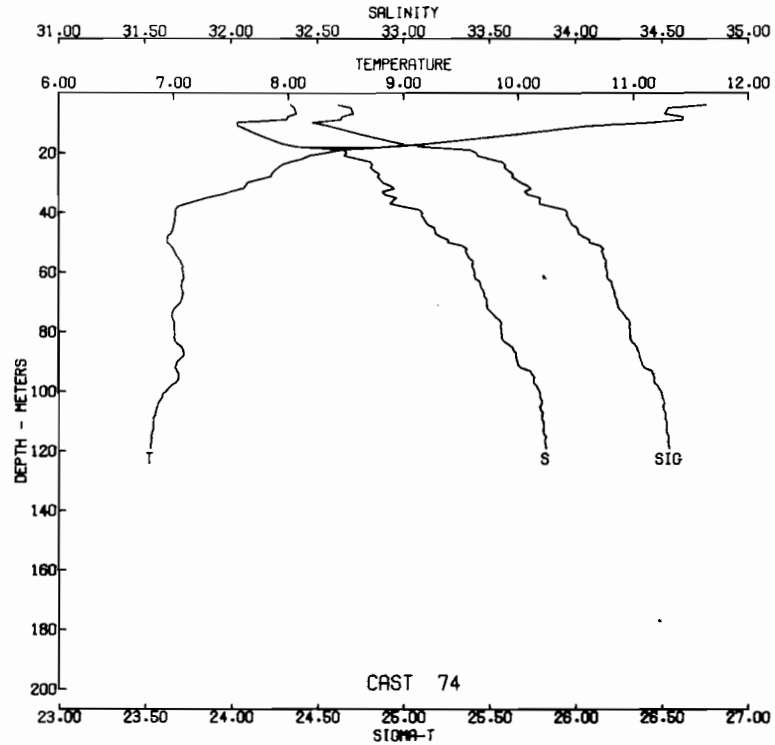

CAST RP-7-OC-071 DATE 14 SEP 73 TIME 1603 GMT
LAT 47 53.5N LONG 125 36.8W WEATHER 0 SEA STATE 1
BAROMETER 19 WIND DIR 100 T SPD 04 KT VISIBILITY 7
CLOUD X AMOUNT 0 DRY 14.9 WET 13.4 DEPTH 0585 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 13.44 | 32.07 | 24.06 | 0.000 |
| 4 | 12.98 | 32.14 | 24.20 | |
| 5 | 12.96 | 32.15 | 24.22 | .019 |
| 10 | 11.84 | 32.22 | 24.48 | .037 |
| 15 | 11.52 | 32.22 | 24.55 | .054 |
| 20 | 10.36 | 32.23 | 24.76 | .071 |
| 25 | 9.16 | 32.44 | 25.11 | .086 |
| 30 | 8.68 | 32.44 | 25.18 | .100 |
| 35 | 8.31 | 32.45 | 25.25 | .114 |
| 40 | 8.02 | 32.47 | 25.31 | .127 |
| 45 | 7.81 | 32.53 | 25.39 | .140 |
| 50 | 7.58 | 32.57 | 25.45 | .153 |
| 75 | 7.17 | 32.89 | 25.76 | .213 |
| 100 | 7.19 | 33.38 | 26.14 | .265 |
| 150 | 7.17 | 33.83 | 26.49 | .350 |
| 200 | 6.32 | 33.91 | 26.65 | .425 |
| 300 | 5.73 | 33.97 | 26.79 | .561 |
| 500 | 4.88 | 34.07 | 26.98 | .809 |
| 582 | 4.48 | 34.17 | 27.10 | |

CAST RP-7-OC-072 DATE 14 SEP 73 TIME 1703 GMT
LAT 47 57.5N LONG 125 36.0W WEATHER 0 SEA STATE 1
BAROMETER 19 WIND DIR 138 T SPD 03 KT VISIBILITY 7
CLOUD X AMOUNT 0 DRY 15.4 WET 13.9 DEPTH 0277 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 13.58 | 32.00 | 23.98 | 0.000 |
| 3 | 13.33 | 31.96 | 24.00 | |
| 5 | 13.17 | 31.93 | 24.01 | .020 |
| 10 | 12.55 | 31.82 | 24.04 | .039 |
| 15 | 11.25 | 32.23 | 24.60 | .057 |
| 20 | 9.61 | 32.41 | 25.02 | .073 |
| 25 | 9.14 | 32.45 | 25.12 | .088 |
| 30 | 8.71 | 32.48 | 25.22 | .102 |
| 35 | 8.00 | 32.54 | 25.36 | .115 |
| 40 | 7.83 | 32.56 | 25.41 | .128 |
| 45 | 7.37 | 32.62 | 25.52 | .141 |
| 50 | 7.24 | 32.67 | 25.57 | .153 |
| 75 | 7.15 | 32.92 | 25.79 | .211 |
| 100 | 7.37 | 33.45 | 26.17 | .262 |
| 150 | 7.12 | 33.78 | 26.46 | .348 |
| 200 | 6.61 | 33.91 | 26.63 | .423 |
| 269 | 5.92 | 33.97 | 26.77 | |



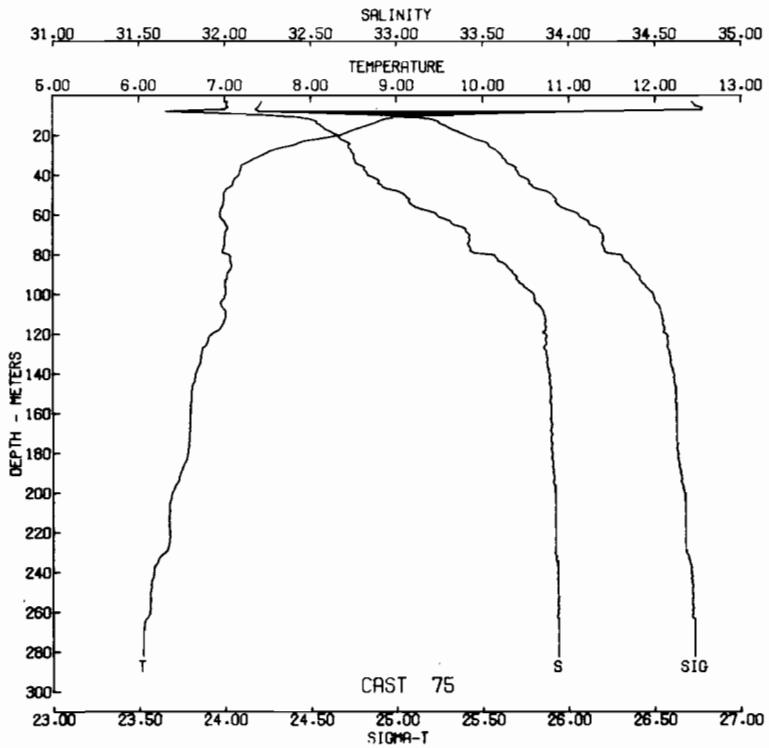



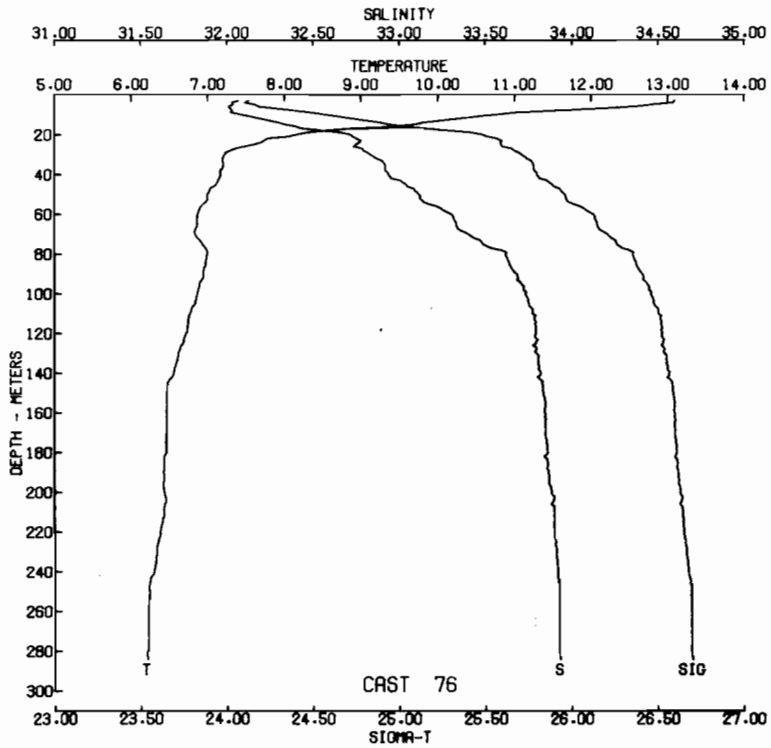

CAST RP-7-CC-073 DATE 14 SEP 73 TIME 1755 GMT
LAT 48 02.5N LONG 125 32.1W WEATHER 4 SEA STATE 7
BAROMETER 20 WIND DIR 133 T SPD 03 KT VISIBILITY 7
CLOUD X AMOUNT 0 DRY 15.8 WET 13.9 DEPTH 0169 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 13.20 | 31.94 | 24.01 | 0.000 |
| 3 | 12.83 | 31.92 | 24.07 | |
| 5 | 12.64 | 31.92 | 24.10 | .019 |
| 10 | 11.70 | 32.06 | 24.38 | .038 |
| 15 | 9.33 | 32.42 | 25.07 | .054 |
| 20 | 8.94 | 32.43 | 25.14 | .068 |
| 25 | 8.71 | 32.47 | 25.20 | .082 |
| 30 | 8.32 | 32.53 | 25.31 | .096 |
| 35 | 8.28 | 32.53 | 25.32 | .109 |
| 40 | 8.03 | 32.54 | 25.36 | .122 |
| 45 | 7.74 | 32.51 | 25.38 | .136 |
| 50 | 7.43 | 32.57 | 25.47 | .148 |
| 75 | 7.02 | 33.09 | 25.94 | .205 |
| 100 | 7.05 | 33.40 | 26.17 | .255 |
| 150 | 6.65 | 33.88 | 26.60 | .337 |
| 169 | 6.65 | 33.88 | 26.61 | |

CAST RP-7-CC-074 DATE 14 SEP 73 TIME 1908 GMT
LAT 48 12.6N LONG 125 26.4W WEATHER 4 SEA STATE 3
BAROMETER 20 WIND DIR 100 T SPD 04 KT VISIBILITY 6
CLOUD X AMOUNT 0 DRY 15.7 WET 13.7 DEPTH 0124 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 11.96 | 32.31 | 24.53 | 0.000 |
| 4 | 11.63 | 32.35 | 24.62 | |
| 5 | 11.30 | 32.37 | 24.70 | .017 |
| 10 | 11.12 | 32.03 | 24.47 | .033 |
| 15 | 9.70 | 32.20 | 24.84 | .050 |
| 20 | 8.33 | 32.67 | 25.42 | .064 |
| 25 | 7.91 | 32.81 | 25.59 | .076 |
| 30 | 7.64 | 32.88 | 25.69 | .088 |
| 35 | 7.30 | 32.96 | 25.79 | .100 |
| 40 | 7.01 | 33.11 | 25.95 | .110 |
| 45 | 6.99 | 33.18 | 26.01 | .121 |
| 50 | 6.94 | 33.26 | 26.08 | .131 |
| 75 | 6.98 | 33.54 | 26.29 | .176 |
| 100 | 6.93 | 33.79 | 26.50 | .218 |
| 119 | 6.80 | 33.83 | 26.55 | |



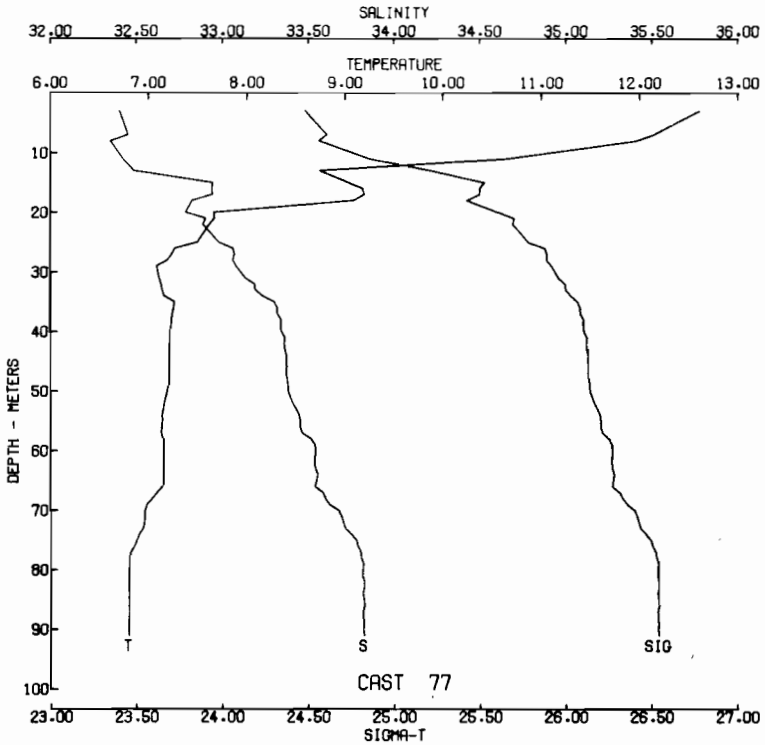




CAST RP-7-CC-075 DATE 14 SEP 73 TIME 2022 GMT
LAT 48 08.4N LONG 125 12.9W WEATHER 4 SEA STATE 0
BAROMETER 20 WIND DIR 100 T SPD 04 KT VISIBILITY 6
CLOUD X AMOUNT 0 DRY 17.2 WET 14.3 DEPTH 0286 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 12.33 | 32.03 | 24.24 | 0.000 |
| 3 | 12.43 | 32.01 | 24.21 | |
| 5 | 12.47 | 32.01 | 24.20 | .019 |
| 10 | 9.35 | 32.24 | 24.93 | .037 |
| 15 | 8.67 | 32.56 | 25.28 | .051 |
| 20 | 8.34 | 32.65 | 25.41 | .064 |
| 25 | 7.81 | 32.72 | 25.54 | .076 |
| 30 | 7.43 | 32.75 | 25.61 | .088 |
| 35 | 7.20 | 32.79 | 25.67 | .100 |
| 40 | 7.17 | 32.83 | 25.71 | .112 |
| 45 | 7.09 | 32.91 | 25.79 | .123 |
| 50 | 6.99 | 33.05 | 25.91 | .134 |
| 75 | 7.00 | 33.42 | 26.19 | .183 |
| 100 | 7.01 | 33.80 | 26.44 | .225 |
| 150 | 6.61 | 33.89 | 26.62 | .299 |
| 200 | 6.38 | 33.92 | 26.68 | .371 |
| 282 | 6.05 | 33.94 | 26.73 | |

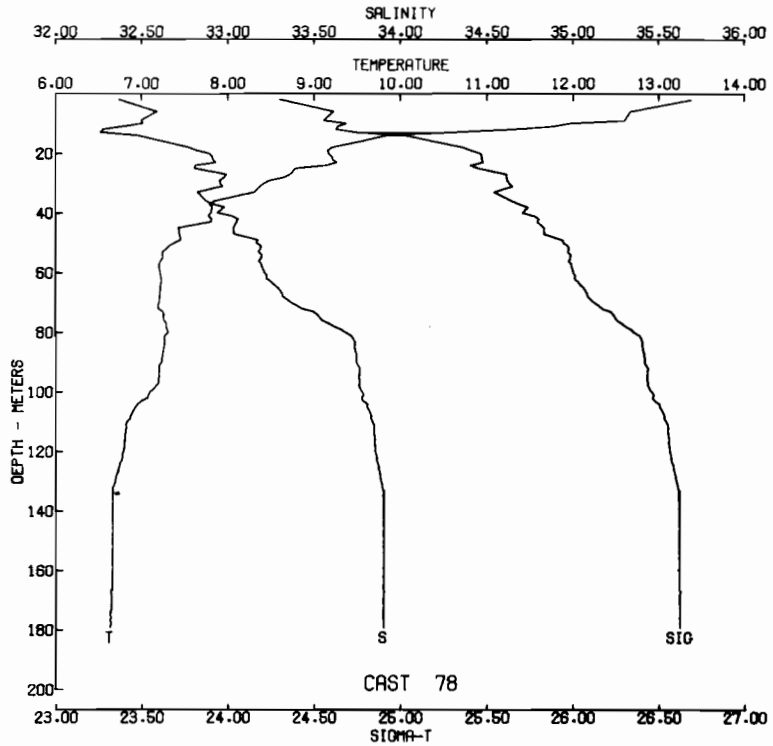
CAST RP-7-OC-076 DATE 14 SEP 73 TIME 2127 GMT
LAT 48 06.9N LONG 125 05.3W WEATHER 4 SEA STATE 2
BAROMETER 20 WIND DIR 100 T SPD 04 KT VISIBILITY 6
CLOUD X AMOUNT 0 DRY 15.0 WET 13.8 DEPTH 0280 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 13.73 | 32.11 | 24.03 | 0.000 |
| 3 | 13.09 | 32.07 | 24.13 | |
| 5 | 12.80 | 32.03 | 24.16 | .019 |
| 10 | 10.79 | 32.08 | 24.56 | .037 |
| 15 | 9.70 | 32.34 | 24.95 | .053 |
| 20 | 8.17 | 32.72 | 25.48 | .067 |
| 25 | 7.60 | 32.75 | 25.59 | .079 |
| 30 | 7.22 | 32.83 | 25.71 | .091 |
| 35 | 7.20 | 32.92 | 25.77 | .102 |
| 40 | 7.16 | 32.94 | 25.80 | .113 |
| 45 | 7.11 | 33.04 | 25.88 | .124 |
| 50 | 6.99 | 33.11 | 25.96 | .135 |
| 75 | 6.93 | 33.49 | 26.26 | .182 |
| 100 | 6.86 | 33.73 | 26.46 | .224 |
| 150 | 6.46 | 33.84 | 26.60 | .300 |
| 200 | 6.43 | 33.88 | 26.64 | .373 |
| 284 | 6.21 | 33.93 | 26.71 | |



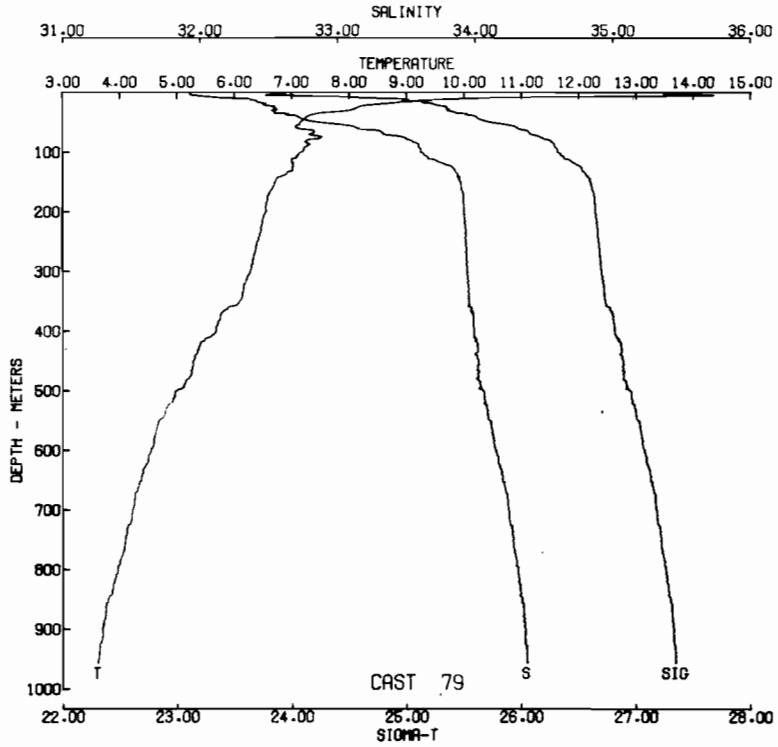

CAST RP-7-OC-077 DATE 15 SEP 73 TIME 0045 GMT
LAT 47 30.1N LONG 124 43.2W WEATHER 1 SEA STATE 2
BAROMETER 20 WIND DIR 190 T SPD 04 KT VISIBILITY 7
CLOUD 6 AMOUNT 3 DRY 15.7 WET 14.2 DEPTH 0093 M

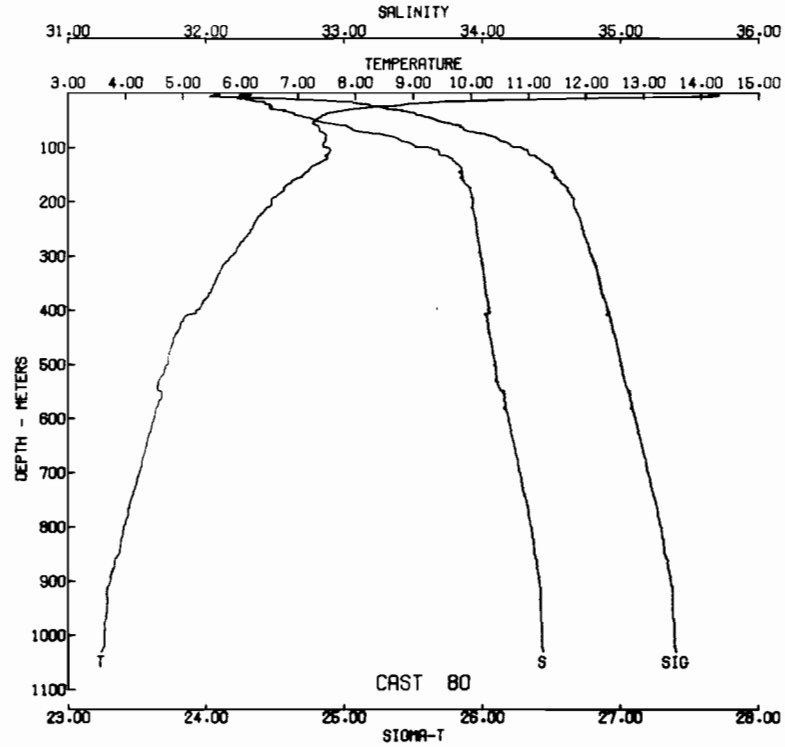
| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 12.96 | 32.37 | 24.38 | 0.000 |
| 3 | 12.61 | 32.40 | 24.48 | |
| 5 | 12.37 | 32.43 | 24.54 | .017 |
| 10 | 11.09 | 32.40 | 24.76 | .034 |
| 15 | 9.03 | 32.95 | 25.53 | .048 |
| 20 | 7.66 | 32.79 | 25.61 | .061 |
| 25 | 7.49 | 32.98 | 25.78 | .072 |
| 30 | 7.09 | 33.10 | 25.94 | .083 |
| 35 | 7.26 | 33.10 | 26.07 | .093 |
| 40 | 7.22 | 33.34 | 26.11 | .103 |
| 45 | 7.21 | 33.37 | 26.13 | .112 |
| 50 | 7.15 | 33.38 | 26.14 | .122 |
| 75 | 6.88 | 33.78 | 26.50 | .165 |
| 91 | 6.80 | 33.82 | 26.54 | |




CAST RP-7-OC-078 DATE 15 SEP 73 TIME 0129 GMT
LAT 47 30.0N LONG 124 54.3W WEATHER 1 SEA STATE 3
BAROMETER 20 WIND DIR 176 T SPD 05 KT VISIBILITY 6
CLOUD 6 AMOUNT 4 DRY 16.5 WET 14.8 DEPTH 0185 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 13.74 | 32.26 | 24.14 | 0.000 |
| 2 | 13.38 | 32.37 | 24.30 | |
| 5 | 12.85 | 32.53 | 24.54 | .018 |
| 10 | 11.96 | 32.51 | 24.68 | .035 |
| 15 | 9.69 | 32.55 | 25.11 | .051 |
| 20 | 9.16 | 32.89 | 25.47 | .064 |
| 25 | 8.79 | 32.81 | 25.46 | .077 |
| 30 | 8.42 | 32.96 | 25.63 | .089 |
| 35 | 8.00 | 32.86 | 25.61 | .101 |
| 40 | 7.80 | 32.94 | 25.71 | .112 |
| 45 | 7.43 | 33.03 | 25.83 | .123 |
| 50 | 7.38 | 33.17 | 25.95 | .134 |
| 75 | 7.25 | 33.53 | 26.25 | .183 |
| 100 | 7.10 | 33.78 | 26.46 | .225 |
| 150 | 6.66 | 33.90 | 26.62 | .299 |
| 179 | 6.63 | 33.90 | 26.63 | |



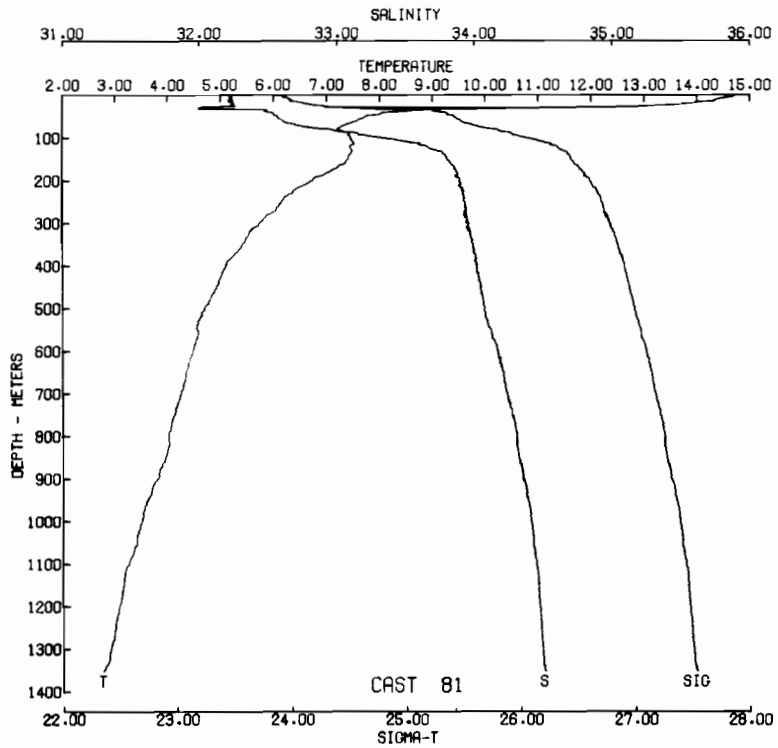



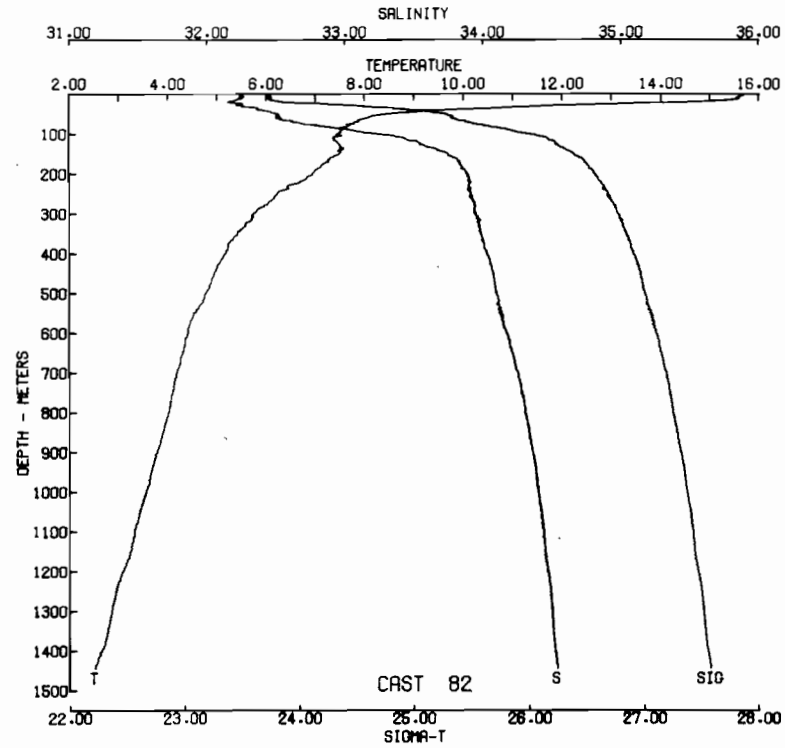

CAST RP-7-OC-079 DATE 15 SEP 73 TIME 0212 GMT
LAT 47 30.0N LONG 125 02.3W WEATHER 1 SEA STATE 3
BAROMETER 20 WIND DIR 167 T SPD 03 KT VISIBILITY 6
CLOUD 6 AMOUNT 5 DRY 16.0 WET 14.2 DEPTH 0960 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 12.19 | 31.91 | 24.18 | 0.000 |
| 3 | 13.50 | 31.93 | 23.94 | |
| 5 | 14.37 | 31.94 | 23.77 | .020 |
| 10 | 10.29 | 32.22 | 24.75 | .038 |
| 15 | 9.12 | 32.41 | 25.10 | .053 |
| 20 | 8.48 | 32.46 | 25.23 | .067 |
| 25 | 8.14 | 32.55 | 25.35 | .080 |
| 30 | 8.03 | 32.55 | 25.37 | .093 |
| 35 | 7.49 | 32.55 | 25.44 | .106 |
| 40 | 7.30 | 32.70 | 25.59 | .119 |
| 45 | 7.23 | 32.75 | 25.64 | .131 |
| 50 | 7.16 | 32.85 | 25.73 | .142 |
| 75 | 7.53 | 33.48 | 26.17 | .193 |
| 100 | 7.17 | 33.61 | 26.32 | .237 |
| 150 | 6.72 | 33.89 | 26.61 | .316 |
| 200 | 6.55 | 33.92 | 26.65 | .387 |
| 300 | 6.27 | 33.94 | 26.71 | .528 |
| 500 | 4.38 | 34.06 | 26.96 | .785 |
| 750 | 4.10 | 34.28 | 27.22 | 1.043 |
| 950 | 3.62 | 34.37 | 27.35 | |

CAST RP-7-OC-080 DATE 15 SEP 73 TIME 0338 GMT
LAT 47 29.9N LONG 125 16.3W WEATHER 1 SEA STATE 2
BAROMETER 20 WIND DIR T SPD 00 KT VISIBILITY 6
CLOUD X AMOUNT 9 DRY 15.1 WET 13.9 DEPTH 1033 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.20 | 32.39 | 24.15 | 0.000 |
| 3 | 14.15 | 32.30 | 24.09 | |
| 5 | 14.32 | 32.30 | 24.06 | .019 |
| 10 | 12.21 | 32.23 | 24.43 | .038 |
| 15 | 9.95 | 32.34 | 24.91 | .054 |
| 20 | 9.06 | 32.43 | 25.12 | .069 |
| 25 | 8.46 | 32.47 | 25.24 | .083 |
| 30 | 7.95 | 32.46 | 25.31 | .096 |
| 35 | 7.60 | 32.59 | 25.46 | .109 |
| 40 | 7.49 | 32.65 | 25.52 | .122 |
| 45 | 7.40 | 32.71 | 25.59 | .134 |
| 50 | 7.31 | 32.79 | 25.66 | .146 |
| 75 | 7.45 | 33.24 | 25.99 | .201 |
| 100 | 7.48 | 33.60 | 26.27 | .249 |
| 150 | 7.11 | 33.85 | 26.52 | .338 |
| 200 | 6.54 | 33.93 | 26.66 | .404 |
| 300 | 5.84 | 33.98 | 26.79 | .568 |
| 500 | 4.74 | 34.09 | 27.01 | .779 |
| 750 | 4.10 | 34.32 | 27.26 | 1.029 |
| 1000 | 3.63 | 34.43 | 27.39 | 1.233 |
| 1030 | 3.58 | 34.44 | 27.41 | |



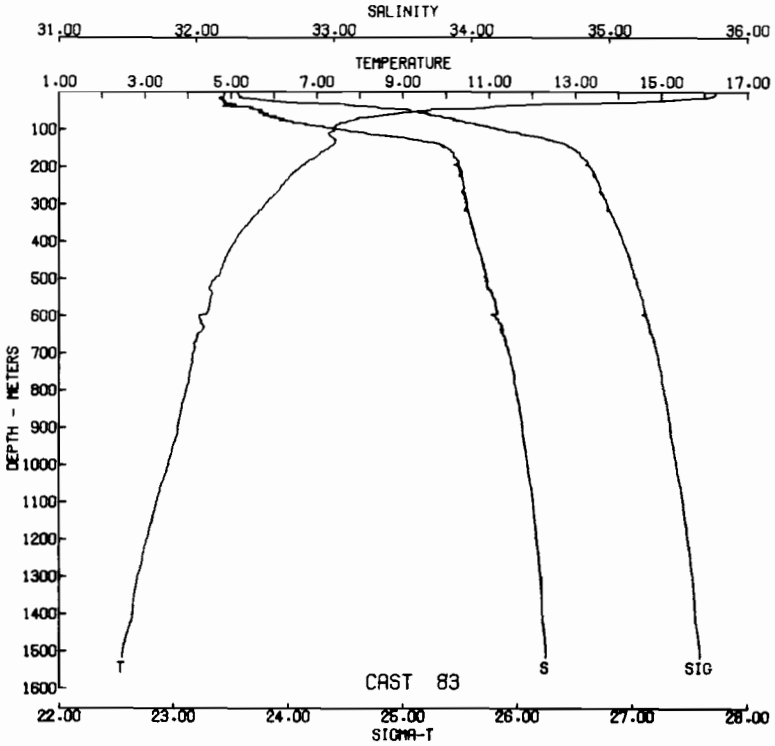



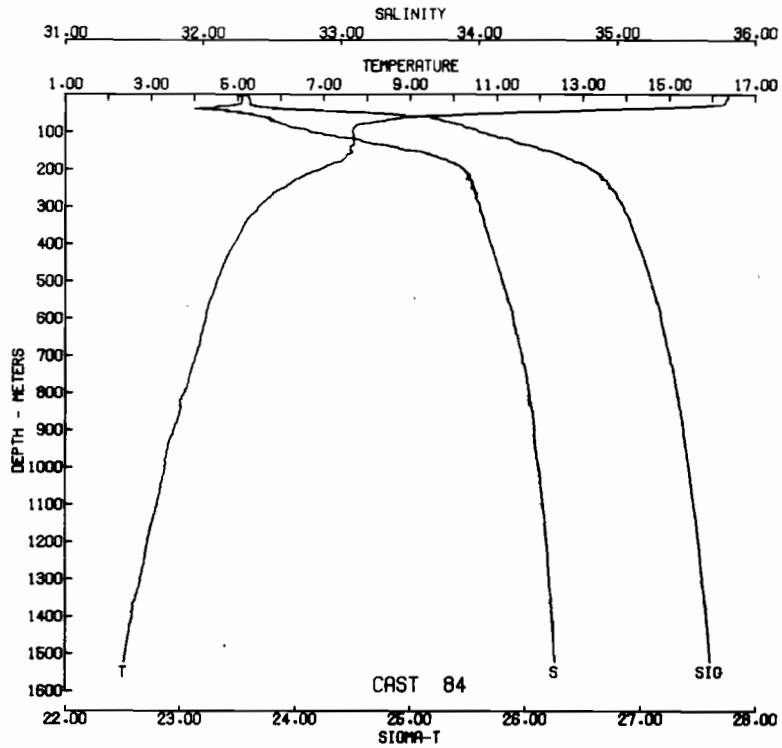

CAST RP-7-CC-081 DATE 15 SEP 73 TIME 0504 GMT
LAT 47 29.8N LONG 125 24.3W WEATHER 1 SEA STATE 2
BAROMETER 21 WIND DIR T SPD 00 KT VISIBILITY 6
CLOUD X AMOUNT 9 DRY 14.9 WET 14.0 DEPTH 1354 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.85 | 32.22 | 23.88 | 0.000 |
| 3 | 14.74 | 32.23 | 23.93 | |
| 5 | 14.58 | 32.24 | 23.95 | .020 |
| 10 | 14.39 | 32.23 | 23.99 | .040 |
| 15 | 14.17 | 32.22 | 24.03 | .059 |
| 20 | 13.72 | 32.25 | 24.14 | .079 |
| 25 | 13.06 | 32.25 | 24.28 | .097 |
| 30 | 10.52 | 31.99 | 24.54 | .115 |
| 35 | 8.66 | 32.49 | 25.23 | .131 |
| 40 | 8.13 | 32.51 | 25.33 | .144 |
| 45 | 8.01 | 32.54 | 25.37 | .158 |
| 50 | 7.74 | 32.56 | 25.42 | .171 |
| 75 | 7.25 | 32.79 | 25.66 | .233 |
| 100 | 7.44 | 33.31 | 26.05 | .286 |
| 150 | 7.40 | 33.30 | 26.44 | .373 |
| 200 | 6.73 | 33.89 | 26.60 | .450 |
| 300 | 5.72 | 33.35 | 26.78 | .588 |
| 500 | 4.09 | 34.07 | 27.00 | .829 |
| 750 | 4.12 | 34.27 | 27.22 | 1.083 |
| 1000 | 3.90 | 34.41 | 27.39 | 1.297 |
| 1250 | 3.00 | 34.48 | 27.49 | 1.477 |
| 1351 | 2.77 | 34.51 | 27.54 | |

CAST RP-7-CC-082 DATE 15 SEP 73 TIME 0654 GMT
LAT 47 29.1N LONG 125 37.4W WEATHER 1 SEA STATE 3
BAROMETER 21 WIND DIR 030 T SPD 08 KT VISIBILITY 6
CLOUD 6 AMOUNT DRY 14.8 WET 13.9 DEPTH 1447 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.76 | 32.21 | 23.68 | 0.000 |
| 3 | 15.69 | 32.24 | 23.72 | |
| 5 | 15.64 | 32.25 | 23.74 | .021 |
| 10 | 15.54 | 32.25 | 23.76 | .042 |
| 15 | 15.41 | 32.21 | 23.75 | .063 |
| 20 | 14.71 | 32.15 | 23.86 | .083 |
| 25 | 13.05 | 32.24 | 24.27 | .102 |
| 30 | 11.59 | 32.26 | 24.56 | .120 |
| 35 | 10.66 | 32.37 | 24.81 | .136 |
| 40 | 9.52 | 32.42 | 25.04 | .152 |
| 45 | 9.02 | 32.46 | 25.15 | .166 |
| 50 | 8.42 | 32.51 | 25.28 | .180 |
| 75 | 7.71 | 32.70 | 25.53 | .245 |
| 100 | 7.45 | 33.26 | 26.01 | .301 |
| 150 | 7.48 | 33.75 | 26.39 | .392 |
| 200 | 6.94 | 33.89 | 26.57 | .470 |
| 300 | 5.74 | 33.95 | 26.77 | .610 |
| 500 | 4.76 | 34.10 | 27.01 | .850 |
| 750 | 4.10 | 34.29 | 27.23 | 1.101 |
| 1000 | 3.56 | 34.40 | 27.38 | 1.314 |
| 1250 | 2.94 | 34.49 | 27.51 | 1.497 |
| 1443 | 2.51 | 34.53 | 27.58 | |



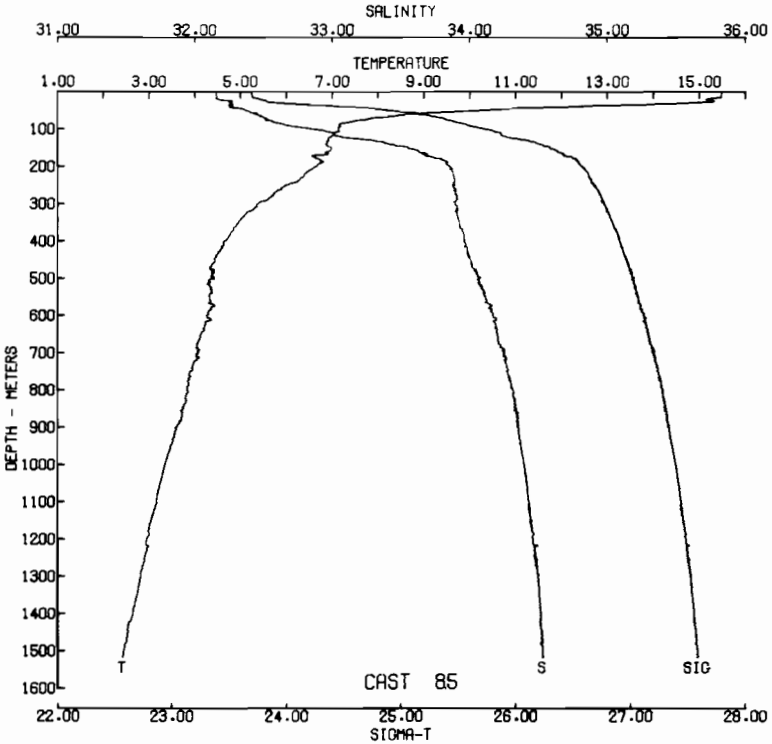



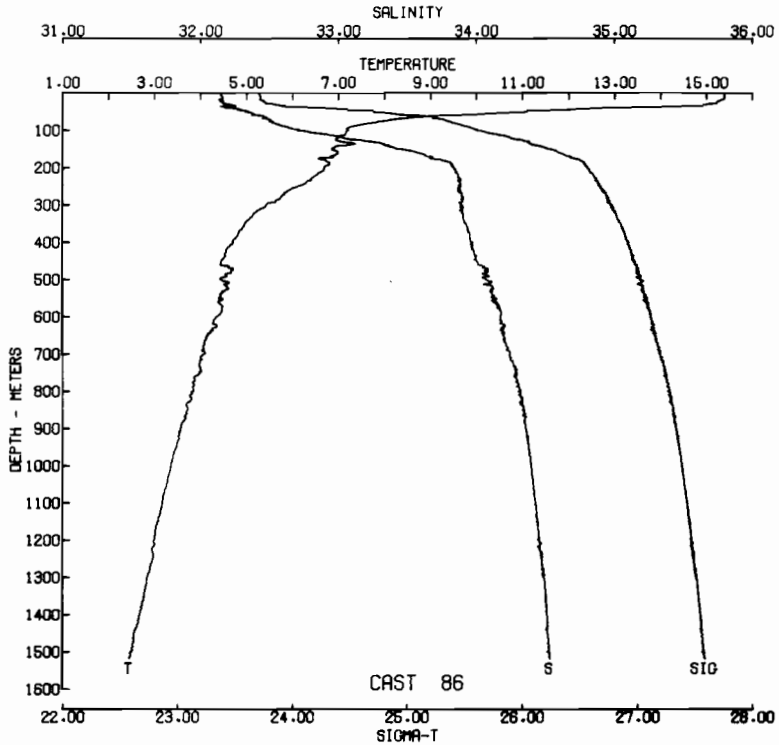

CAST RP-7-OC-083 DATE 15 SEP 73 TIME 0916 GMT
LAT 47 30.6N LONG 125 58.3W WEATHER 1 SEA STATE 6
BAROMETER 22 WIND DIR 050 T SPD 10 KT VISIBILITY 6
CLOUD X AMOUNT 9 DRY 14.8 WET 13.1 DEPTH 1688 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.27 | 32.20 | 23.56 | 0.000 |
| 3 | 16.26 | 32.20 | 23.56 | |
| 5 | 16.27 | 32.20 | 23.56 | .022 |
| 10 | 16.22 | 32.20 | 23.57 | .043 |
| 15 | 16.09 | 32.16 | 23.57 | .065 |
| 20 | 15.45 | 32.20 | 23.74 | .086 |
| 25 | 14.79 | 32.20 | 23.88 | .107 |
| 30 | 13.60 | 32.20 | 24.13 | .127 |
| 35 | 11.78 | 32.25 | 24.52 | .144 |
| 40 | 11.07 | 32.39 | 24.75 | .161 |
| 45 | 10.50 | 32.40 | 24.86 | .177 |
| 50 | 9.60 | 32.47 | 25.06 | .192 |
| 75 | 7.89 | 32.64 | 25.46 | .260 |
| 100 | 7.43 | 33.02 | 25.82 | .319 |
| 150 | 7.28 | 33.82 | 26.47 | .412 |
| 200 | 6.64 | 33.90 | 26.62 | .487 |
| 300 | 5.80 | 33.97 | 26.78 | .625 |
| 500 | 4.64 | 34.11 | 27.03 | .863 |
| 750 | 4.05 | 34.31 | 27.25 | 1.111 |
| 1000 | 3.55 | 34.41 | 27.38 | 1.321 |
| 1250 | 2.94 | 34.49 | 27.50 | 1.501 |
| 1500 | 2.47 | 34.54 | 27.59 | 1.660 |
| 1516 | 2.46 | 34.54 | 27.59 | |

CAST RP-7-OC-084 DATE 15 SEP 73 TIME 1220 GMT
LAT 47 29.9N LONG 126 39.3W WEATHER 1 SEA STATE 3
BAROMETER 20 WIND DIR 050 T SPD 06 KT VISIBILITY 6
CLOUD X AMOUNT 9 DRY 15.0 WET 13.1 DEPTH 2417 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.38 | 32.20 | 23.54 | 0.000 |
| 5 | 16.37 | 32.20 | 23.59 | .022 |
| 10 | 16.36 | 32.20 | 23.60 | .043 |
| 15 | 16.33 | 32.20 | 23.61 | .065 |
| 20 | 16.32 | 32.20 | 23.61 | .086 |
| 25 | 16.28 | 32.20 | 23.61 | .108 |
| 30 | 15.90 | 32.23 | 23.66 | .129 |
| 35 | 14.95 | 32.08 | 23.76 | .150 |
| 40 | 13.49 | 32.05 | 24.03 | .170 |
| 45 | 12.50 | 32.10 | 24.33 | .189 |
| 50 | 11.05 | 32.25 | 24.65 | .206 |
| 75 | 8.13 | 32.55 | 25.36 | .278 |
| 100 | 7.67 | 32.70 | 25.60 | .341 |
| 150 | 7.62 | 33.51 | 26.10 | .448 |
| 200 | 6.93 | 33.89 | 26.57 | .530 |
| 300 | 5.50 | 34.01 | 26.85 | .665 |
| 500 | 4.52 | 34.17 | 27.09 | .891 |
| 750 | 3.90 | 34.34 | 27.30 | 1.125 |
| 1000 | 3.31 | 34.43 | 27.42 | 1.323 |
| 1250 | 2.84 | 34.50 | 27.52 | 1.495 |
| 1500 | 2.39 | 34.55 | 27.60 | 1.648 |
| 1521 | 2.37 | 34.55 | 27.61 | |



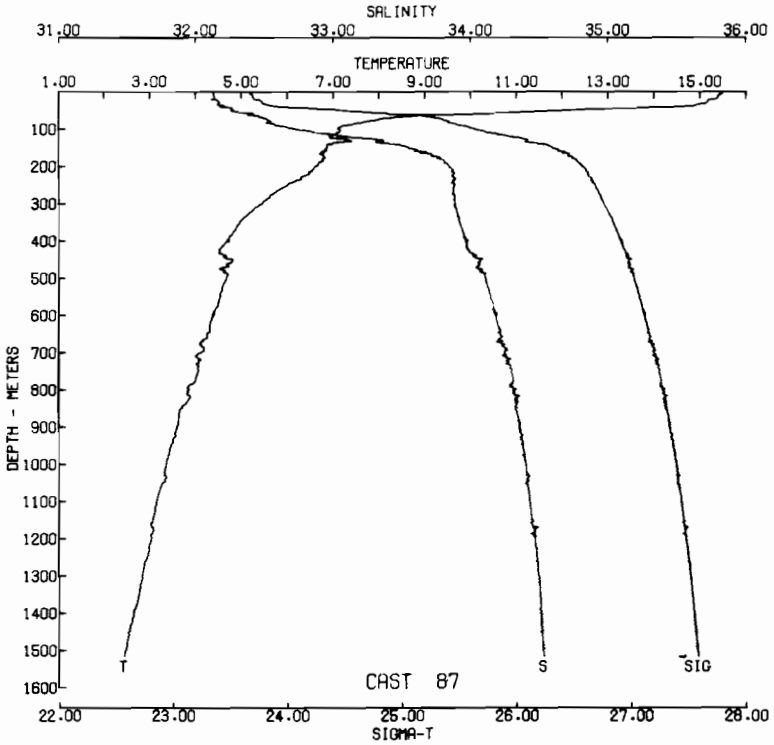



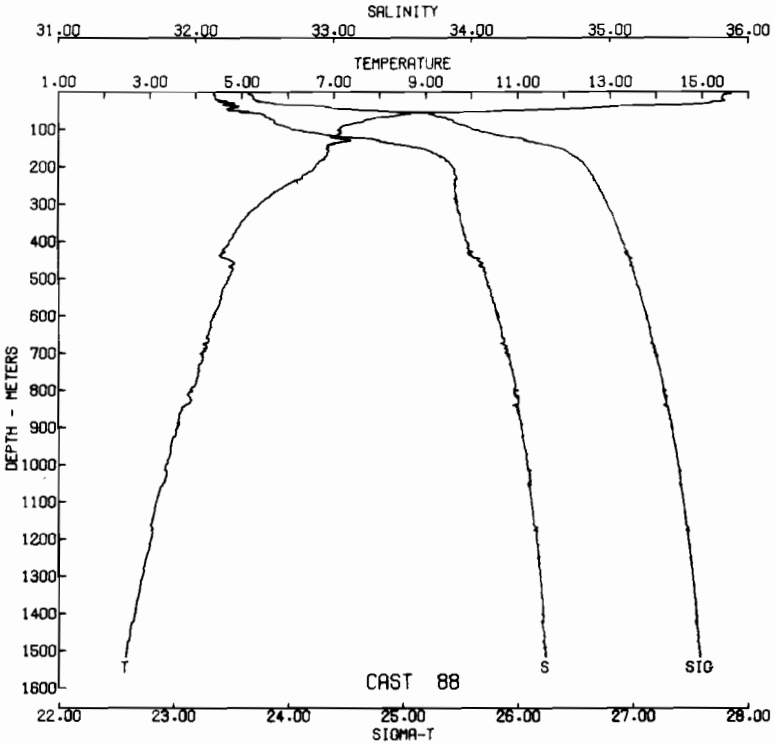

CAST RP-7-OC-085 DATE 15 SEP 73 TIME 1530 GMT
LAT 47 30.0N LONG 127 20.6W WEATHER 4 SEA STATE 2
BAROMETER 20 WIND DIR 050 T SPD 06 KT VISIBILITY 7
CLOUD X AMOUNT 0 DRY 14.7 WET 13.2 DEPTH 2591 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.48 | 32.15 | 23.70 | 0.000 |
| 4 | 15.48 | 32.15 | 23.70 | |
| 5 | 15.48 | 32.15 | 23.70 | .021 |
| 10 | 15.48 | 32.16 | 23.70 | .042 |
| 15 | 15.47 | 32.16 | 23.71 | .063 |
| 20 | 15.18 | 32.17 | 23.78 | .084 |
| 25 | 15.32 | 32.27 | 23.83 | .105 |
| 30 | 14.75 | 32.27 | 23.94 | .125 |
| 35 | 13.35 | 32.27 | 24.23 | .144 |
| 40 | 12.20 | 32.27 | 24.46 | .162 |
| 45 | 10.87 | 32.34 | 24.75 | .179 |
| 50 | 10.18 | 32.37 | 24.90 | .194 |
| 75 | 7.73 | 32.53 | 25.39 | .264 |
| 100 | 7.13 | 32.96 | 25.74 | .325 |
| 150 | 6.98 | 33.55 | 26.31 | .425 |
| 200 | 6.65 | 33.86 | 26.59 | .505 |
| 300 | 5.39 | 33.90 | 26.78 | .644 |
| 500 | 4.43 | 34.07 | 27.02 | .882 |
| 750 | 3.90 | 34.28 | 27.24 | 1.131 |
| 1000 | 3.55 | 34.40 | 27.40 | 1.339 |
| 1250 | 2.90 | 34.49 | 27.50 | 1.518 |
| 1500 | 2.44 | 34.53 | 27.58 | 1.675 |
| 1516 | 2.42 | 34.53 | 27.59 | |

CAST RP-7-OC-086 DATE 15 SEP 73 TIME 1700 GMT
LAT 47 29.8N LONG 127 20.8W WEATHER 4 SEA STATE 2
BAROMETER 20 WIND DIR 071 T SPD 06 KT VISIBILITY 7
CLOUD X AMOUNT 0 DRY 14.9 WET 13.5 DEPTH 2591 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.40 | 32.14 | 23.70 | 0.000 |
| 4 | 15.39 | 32.15 | 23.71 | |
| 5 | 15.39 | 32.14 | 23.71 | .021 |
| 10 | 15.39 | 32.15 | 23.72 | .042 |
| 15 | 15.39 | 32.16 | 23.72 | .063 |
| 20 | 15.29 | 32.15 | 23.74 | .084 |
| 25 | 15.22 | 32.16 | 23.76 | .105 |
| 30 | 15.01 | 32.19 | 23.83 | .125 |
| 35 | 14.70 | 32.25 | 23.94 | .146 |
| 40 | 13.02 | 32.19 | 24.24 | .165 |
| 45 | 12.02 | 32.29 | 24.50 | .183 |
| 50 | 11.11 | 32.34 | 24.71 | .199 |
| 75 | 8.00 | 32.51 | 25.34 | .272 |
| 100 | 7.21 | 32.71 | 25.61 | .335 |
| 150 | 6.85 | 33.45 | 26.24 | .439 |
| 200 | 6.09 | 33.84 | 26.57 | .521 |
| 300 | 5.42 | 33.89 | 26.77 | .661 |
| 500 | 4.44 | 34.08 | 27.03 | .900 |
| 750 | 3.37 | 34.29 | 27.25 | 1.149 |
| 1000 | 3.35 | 34.40 | 27.39 | 1.356 |
| 1250 | 2.95 | 34.48 | 27.49 | 1.536 |
| 1500 | 2.47 | 34.52 | 27.57 | 1.695 |
| 1516 | 2.44 | 34.53 | 27.58 | |



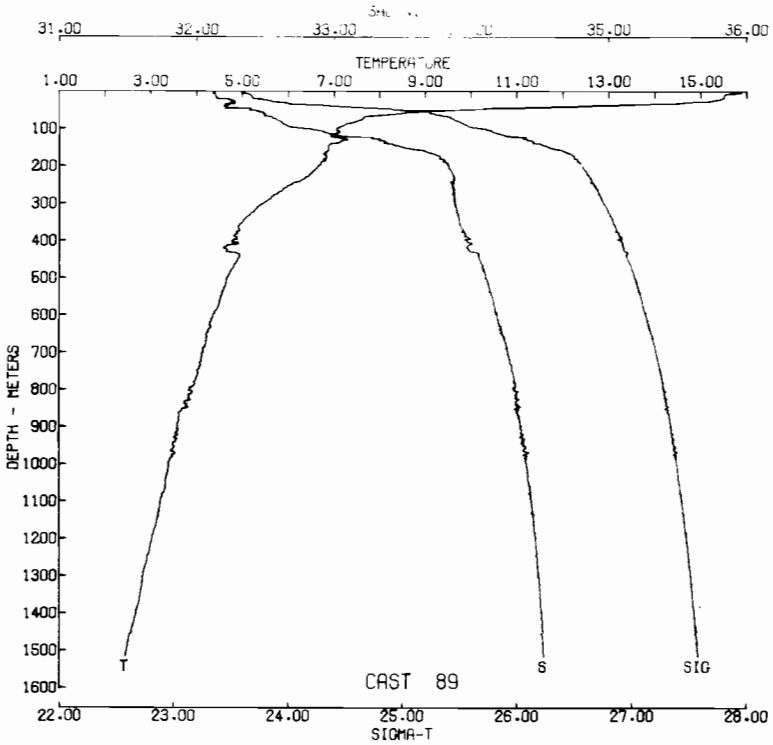



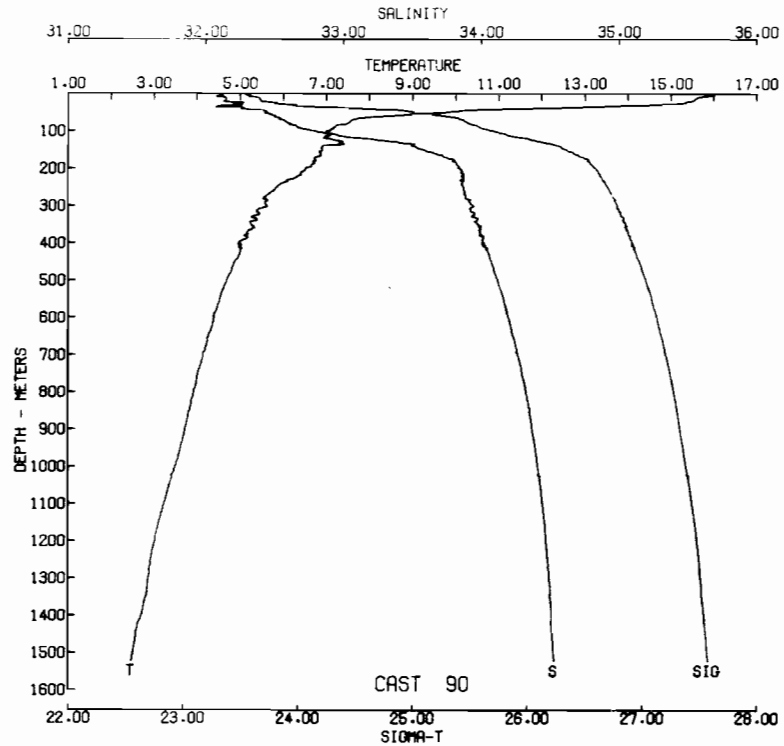

CAST RP-7-OC-087 DATE 15 SEP 73 TIME 1830 GMT
LAT 47 29.9N LONG 127 20.4W WEATHER 4 SEA STATE 2
BAROMETER 20 WIND DIR 040 T SPD 06 KT VISIBILITY 7
CLOUD X AMOUNT 0 DRY 15.0 WET 13.5 DEPTH 2591 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.66 | 32.13 | 23.64 | 0.000 |
| 5 | 15.50 | 32.13 | 23.68 | |
| 10 | 15.41 | 32.13 | 23.70 | .042 |
| 15 | 15.39 | 32.14 | 23.71 | .063 |
| 20 | 15.27 | 32.12 | 23.72 | .084 |
| 25 | 15.17 | 32.17 | 23.78 | .105 |
| 30 | 15.14 | 32.17 | 23.79 | .126 |
| 35 | 14.91 | 32.19 | 23.85 | .146 |
| 40 | 14.44 | 32.18 | 23.94 | .167 |
| 45 | 13.19 | 32.26 | 24.26 | .185 |
| 50 | 12.07 | 32.28 | 24.49 | .203 |
| 75 | 7.45 | 32.53 | 25.37 | .277 |
| 100 | 7.13 | 32.73 | 25.64 | .340 |
| 150 | 6.87 | 33.55 | 26.32 | .441 |
| 200 | 6.62 | 33.85 | 26.59 | .520 |
| 300 | 5.45 | 33.89 | 26.77 | .660 |
| 500 | 4.67 | 34.11 | 27.03 | .898 |
| 750 | 4.05 | 34.30 | 27.24 | 1.146 |
| 1000 | 3.35 | 34.40 | 27.40 | 1.354 |
| 1250 | 2.93 | 34.48 | 27.50 | 1.533 |
| 1500 | 2.46 | 34.53 | 27.58 | 1.692 |
| 1514 | 2.43 | 34.53 | 27.58 | |

CAST RP-7-CC-088 DATE 15 SEP 73 TIME 1959 GMT
LAT 47 30.2N LONG 127 20.2W WEATHER 4 SEA STATE 2
BAROMETER 19 WIND DIR 050 T SPD 06 KT VISIBILITY 7
CLOUD X AMOUNT 0 DRY 16.0 WET 13.9 DEPTH 2591 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.82 | 32.14 | 23.61 | 0.000 |
| 4 | 15.63 | 32.14 | 23.65 | |
| 5 | 15.58 | 32.12 | 23.65 | .021 |
| 10 | 15.45 | 32.14 | 23.69 | .042 |
| 15 | 15.44 | 32.14 | 23.70 | .064 |
| 20 | 15.44 | 32.16 | 23.71 | .085 |
| 25 | 15.36 | 32.16 | 23.73 | .106 |
| 30 | 15.14 | 32.26 | 23.86 | .126 |
| 35 | 13.94 | 32.23 | 24.09 | .146 |
| 40 | 12.91 | 32.31 | 24.35 | .164 |
| 45 | 11.96 | 32.23 | 24.47 | .182 |
| 50 | 10.60 | 32.30 | 24.77 | .199 |
| 75 | 7.67 | 32.57 | 25.44 | .268 |
| 100 | 7.10 | 32.70 | 25.62 | .330 |
| 150 | 6.85 | 33.62 | 26.38 | .432 |
| 200 | 6.59 | 33.86 | 26.60 | .510 |
| 300 | 5.37 | 33.90 | 26.78 | .649 |
| 500 | 4.70 | 34.10 | 27.02 | .887 |
| 750 | 4.06 | 34.30 | 27.24 | 1.136 |
| 1000 | 3.34 | 34.40 | 27.40 | 1.343 |
| 1250 | 2.91 | 34.48 | 27.50 | 1.522 |
| 1500 | 2.47 | 34.53 | 27.58 | 1.680 |
| 1515 | 2.46 | 34.54 | 27.59 | |



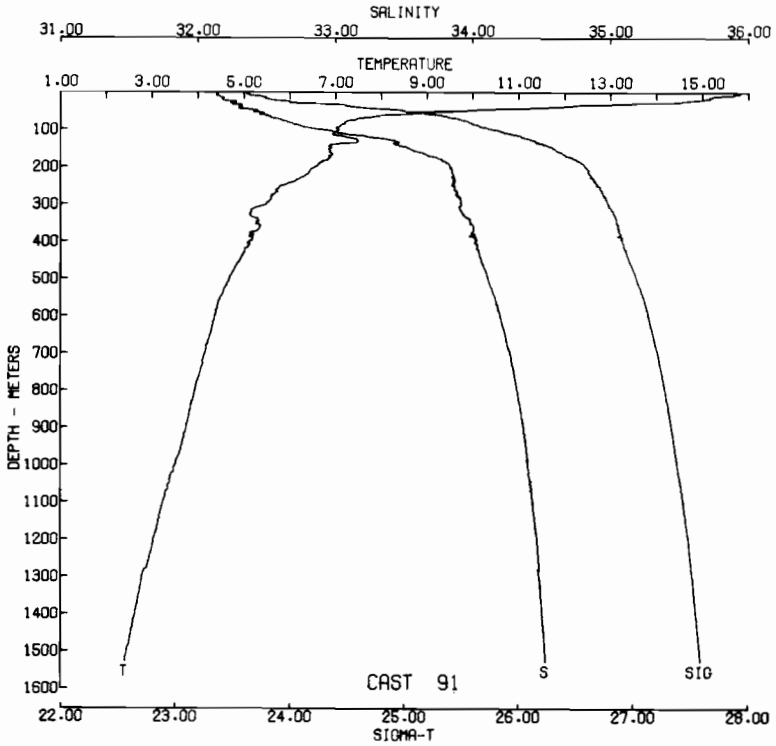



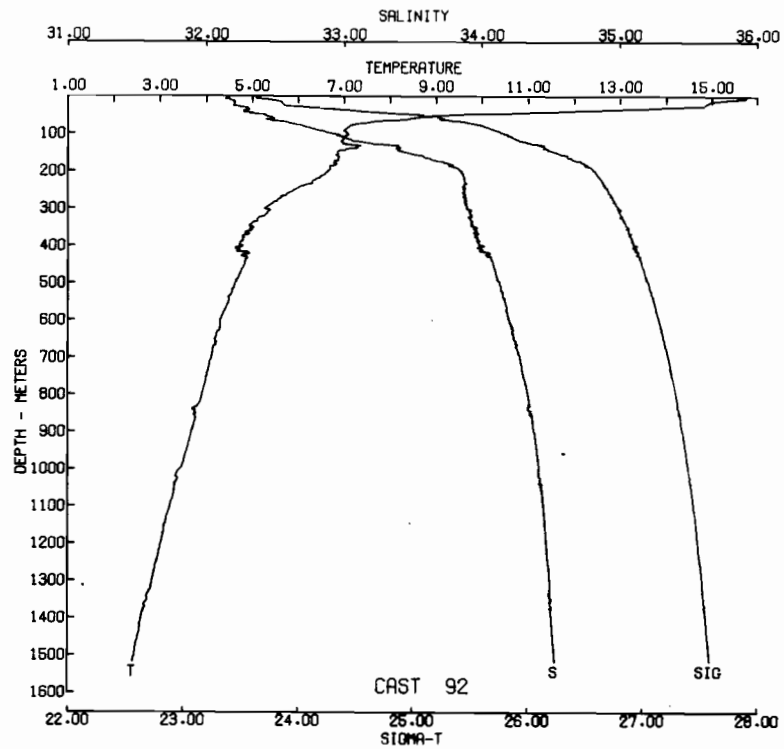

CAST RP-7-OC-089 DATE 15 SEP 73 TIME 2130 GMT
LAT 47 30.2N LONG 127 19.5W WEATHER 4 SEA STATE 2
BAROMETER 19 WIND DIR 050 T SPD 08 KT VISIBILITY 7
CLOUD X AMOUNT 0 DRY 16.0 WET 13.9 DEPTH 2583 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.27 | 32.14 | 23.51 | 0.000 |
| 4 | 15.89 | 32.13 | 23.59 | |
| 5 | 15.85 | 32.12 | 23.59 | .022 |
| 10 | 15.53 | 32.13 | 23.67 | .043 |
| 15 | 15.51 | 32.15 | 23.69 | .064 |
| 20 | 15.47 | 32.15 | 23.70 | .085 |
| 25 | 15.29 | 32.27 | 23.83 | .106 |
| 30 | 14.72 | 32.25 | 23.93 | .126 |
| 35 | 13.75 | 32.21 | 24.11 | .146 |
| 40 | 12.13 | 32.21 | 24.43 | .164 |
| 45 | 10.48 | 32.22 | 24.73 | .181 |
| 50 | 9.84 | 32.39 | 24.97 | .196 |
| 75 | 7.61 | 32.58 | 25.45 | .264 |
| 100 | 7.05 | 32.82 | 25.72 | .325 |
| 150 | 6.88 | 33.51 | 26.28 | .426 |
| 200 | 6.06 | 33.94 | 26.57 | .506 |
| 300 | 5.46 | 33.98 | 26.76 | .646 |
| 500 | 4.57 | 34.11 | 27.03 | .886 |
| 750 | 4.02 | 34.30 | 27.25 | 1.133 |
| 1000 | 3.39 | 34.41 | 27.40 | 1.340 |
| 1250 | 2.92 | 34.48 | 27.50 | 1.520 |
| 1500 | 2.47 | 34.53 | 27.58 | 1.679 |
| 1515 | 2.44 | 34.53 | 27.58 | |

CAST RP-7-OC-090 DATE 15 SEP 73 TIME 2300 GMT
LAT 47 29.5N LONG 127 19.2W WEATHER 4 SEA STATE 2
BAROMETER 18 WIND DIR 055 T SPD 06 KT VISIBILITY 7
CLOUD X AMOUNT 0 DRY 17.4 WET 14.2 DEPTH 2585 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.12 | 32.13 | 23.54 | 0.000 |
| 1 | 16.03 | 32.12 | 23.55 | |
| 5 | 15.94 | 32.12 | 23.57 | .022 |
| 10 | 15.64 | 32.14 | 23.65 | .043 |
| 15 | 15.58 | 32.14 | 23.67 | .064 |
| 20 | 15.52 | 32.14 | 23.68 | .086 |
| 25 | 15.33 | 32.26 | 23.81 | .106 |
| 30 | 14.56 | 32.26 | 23.98 | .127 |
| 35 | 12.96 | 32.07 | 24.16 | .146 |
| 40 | 11.46 | 32.27 | 24.59 | .164 |
| 45 | 10.14 | 32.42 | 24.94 | .180 |
| 50 | 9.79 | 32.44 | 25.02 | .195 |
| 75 | 7.55 | 32.39 | 25.47 | .262 |
| 100 | 7.01 | 32.80 | 25.71 | .323 |
| 150 | 6.90 | 33.59 | 26.34 | .422 |
| 200 | 6.52 | 33.84 | 26.59 | .501 |
| 300 | 5.62 | 33.95 | 26.79 | .640 |
| 500 | 4.68 | 34.12 | 27.03 | .878 |
| 750 | 4.01 | 34.30 | 27.25 | 1.124 |
| 1000 | 3.49 | 34.41 | 27.39 | 1.332 |
| 1250 | 2.91 | 34.48 | 27.50 | 1.511 |
| 1500 | 2.43 | 34.52 | 27.57 | 1.671 |
| 1520 | 2.46 | 34.53 | 27.56 | |



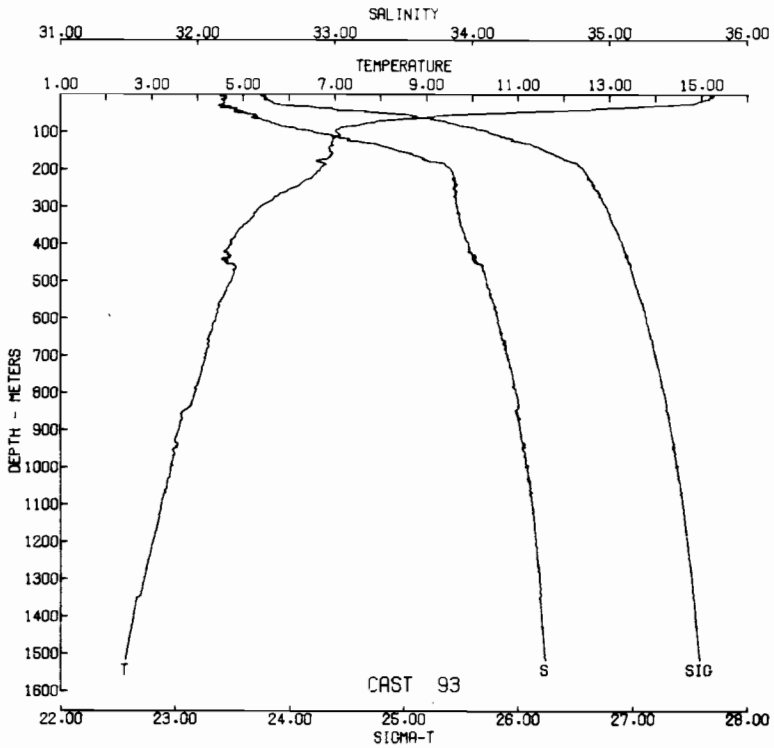



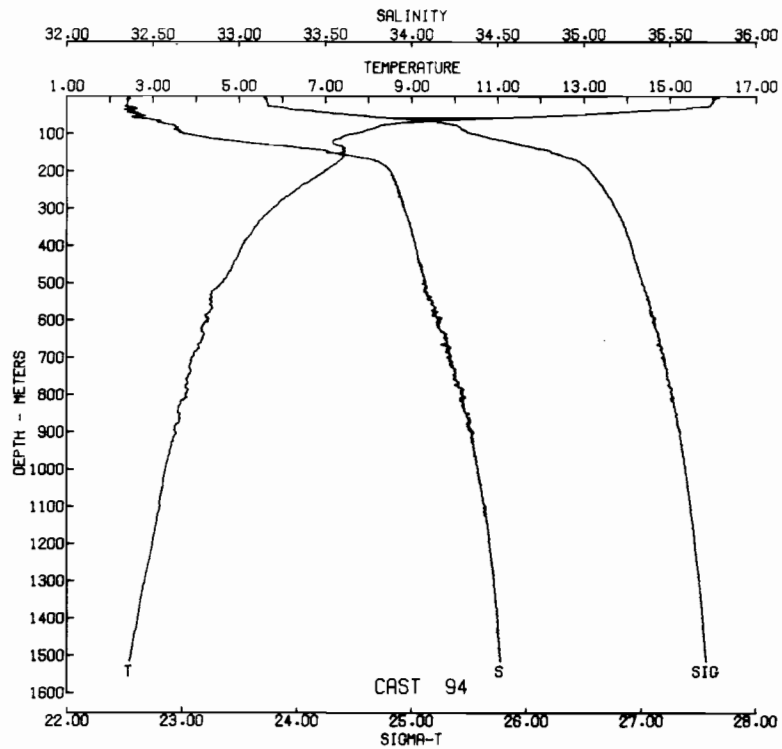

CAST RP-7-CC-091 DATE 16 SEP 73 TIME 0030 GMT
LAT 47 28.7N LONG 127 19.3W WEATHER 4 SEA STATE 3
BAROMETER 17 WIND DIR 052 T SPD 06 KT VISIBILITY 7
CLOUD X AMOUNT 0 DRY 16.5 WET 14.9 DEPTH 2574 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.81 | 32.13 | 23.61 | 0.000 |
| 1 | 15.76 | 32.13 | 23.62 | |
| 5 | 15.72 | 32.14 | 23.63 | .021 |
| 10 | 15.28 | 32.15 | 23.74 | .043 |
| 15 | 15.15 | 32.19 | 23.80 | .063 |
| 20 | 14.92 | 32.18 | 23.84 | .084 |
| 25 | 14.53 | 32.28 | 24.00 | .104 |
| 30 | 13.26 | 32.27 | 24.25 | .123 |
| 35 | 12.19 | 32.32 | 24.50 | .141 |
| 40 | 11.58 | 32.31 | 24.60 | .158 |
| 45 | 10.38 | 32.39 | 24.87 | .174 |
| 50 | 9.78 | 32.42 | 25.00 | .189 |
| 75 | 7.32 | 32.61 | 25.52 | .257 |
| 100 | 7.07 | 32.92 | 25.79 | .316 |
| 150 | 6.89 | 33.54 | 26.31 | .414 |
| 200 | 6.56 | 33.84 | 26.59 | .494 |
| 300 | 5.48 | 34.41 | 26.78 | .633 |
| 500 | 4.69 | 34.11 | 27.03 | .872 |
| 750 | 4.06 | 34.30 | 27.25 | 1.118 |
| 1000 | 3.50 | 34.40 | 27.38 | 1.328 |
| 1250 | 2.94 | 34.48 | 27.50 | 1.509 |
| 1500 | 2.43 | 34.53 | 27.58 | 1.668 |
| 1526 | 2.40 | 34.53 | 27.59 | |

CAST RP-7-OC-092 DATE 16 SEP 73 TIME 0200 GMT
LAT 47 29.5N LONG 127 20.0W WEATHER 4 SEA STATE 3
BAROMETER 17 WIND DIR 073 T SPD 07 KT VISIBILITY 7
CLOUD X AMOUNT 0 DRY 15.7 WET 14.9 DEPTH 2586 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.75 | 32.15 | 23.64 | 0.000 |
| 2 | 15.72 | 32.14 | 23.64 | |
| 5 | 15.73 | 32.16 | 23.65 | .021 |
| 10 | 15.30 | 32.17 | 23.75 | .042 |
| 15 | 14.97 | 32.20 | 23.85 | .063 |
| 20 | 14.90 | 32.20 | 23.86 | .083 |
| 25 | 14.80 | 32.20 | 23.88 | .104 |
| 30 | 13.90 | 32.25 | 24.11 | .123 |
| 35 | 12.94 | 32.30 | 24.34 | .142 |
| 40 | 11.82 | 32.27 | 24.52 | .159 |
| 45 | 10.69 | 32.33 | 24.78 | .176 |
| 50 | 9.37 | 32.42 | 25.07 | .191 |
| 75 | 7.25 | 32.64 | 25.55 | .259 |
| 100 | 7.07 | 32.91 | 25.79 | .317 |
| 150 | 6.86 | 33.45 | 26.24 | .416 |
| 200 | 6.64 | 33.85 | 26.58 | .499 |
| 300 | 5.29 | 33.89 | 26.78 | .638 |
| 500 | 4.64 | 34.13 | 27.05 | .875 |
| 750 | 4.01 | 34.30 | 27.25 | 1.119 |
| 1000 | 3.43 | 34.41 | 27.40 | 1.324 |
| 1250 | 2.93 | 34.48 | 27.50 | 1.503 |
| 1500 | 2.45 | 34.53 | 27.58 | 1.661 |
| 1516 | 2.41 | 34.53 | 27.59 | |



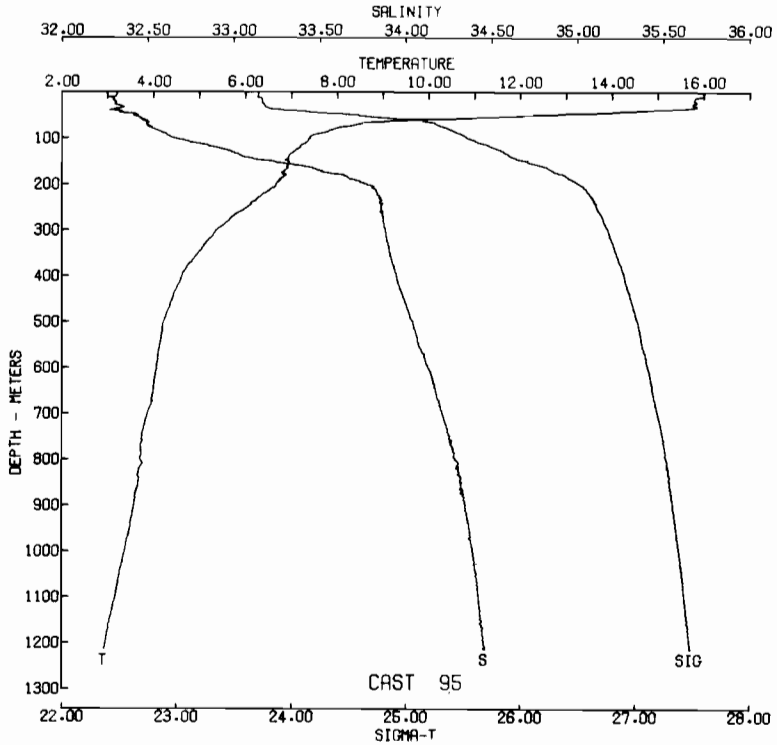




CAST RP-7-CC-093 DATE 16 SEP 73 TIME 0328 GMT
LAT 47 29.7N LONG 127 20.0W WEATHER 1 SEA STATE 2
BAROMETER 16 WIND DIR 049 T SPD 06 KT VISIBILITY 7
CLOUD 7 AMOUNT 1 DRY 15.7 WET 14.2 DEPTH 2585 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.29 | 32.10 | 23.70 | 0.000 |
| 4 | 15.27 | 32.17 | 23.75 | |
| 5 | 15.23 | 32.18 | 23.77 | .021 |
| 10 | 15.15 | 32.20 | 23.80 | .041 |
| 15 | 15.08 | 32.18 | 23.81 | .062 |
| 20 | 14.92 | 32.20 | 23.85 | .082 |
| 25 | 14.82 | 32.20 | 23.87 | .103 |
| 30 | 14.01 | 32.15 | 24.01 | .123 |
| 35 | 13.02 | 32.18 | 24.23 | .142 |
| 40 | 12.53 | 32.27 | 24.39 | .160 |
| 45 | 11.25 | 32.33 | 24.68 | .177 |
| 50 | 10.38 | 32.36 | 24.85 | .193 |
| 75 | 7.86 | 32.53 | 25.38 | .264 |
| 100 | 7.02 | 32.84 | 25.74 | .325 |
| 150 | 6.88 | 33.46 | 26.24 | .426 |
| 200 | 6.67 | 33.84 | 26.57 | .508 |
| 300 | 5.38 | 33.89 | 26.78 | .649 |
| 500 | 4.73 | 34.10 | 27.02 | .888 |
| 750 | 4.05 | 34.29 | 27.24 | 1.137 |
| 1000 | 3.41 | 34.40 | 27.39 | 1.346 |
| 1250 | 2.92 | 34.48 | 27.50 | 1.526 |
| 1500 | 2.44 | 34.53 | 27.58 | 1.684 |
| 1515 | 2.42 | 34.54 | 27.59 | |

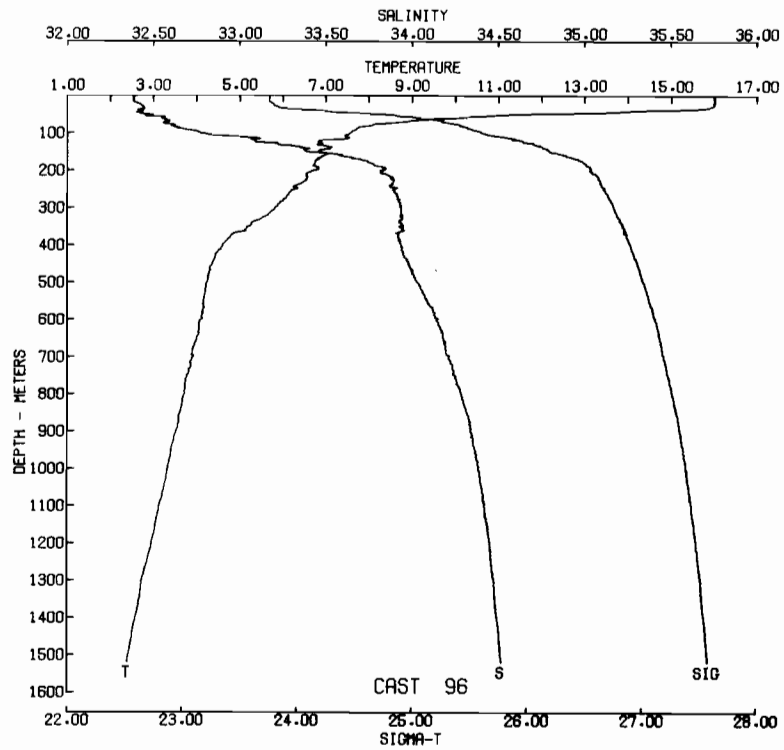
CAST RP-7-DC-094 DATE 16 SEP 73 TIME 0624 GMT
LAT 47 29.9N LONG 128 00.2W WEATHER 1 SEA STATE 2
BAROMETER 16 WIND DIR 028 T SPD 09 KT VISIBILITY 6
CLOUD X AMOUNT 9 DRY 15.9 WET 14.2 DEPTH 2667 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.23 | 32.34 | 23.67 | 0.000 |
| 4 | 16.14 | 32.36 | 23.71 | |
| 5 | 16.06 | 32.35 | 23.72 | .021 |
| 10 | 16.02 | 32.36 | 23.74 | .042 |
| 15 | 16.00 | 32.36 | 23.74 | .063 |
| 20 | 15.96 | 32.35 | 23.75 | .084 |
| 25 | 15.94 | 32.35 | 23.75 | .105 |
| 30 | 15.61 | 32.39 | 23.85 | .125 |
| 35 | 15.12 | 32.36 | 23.93 | .145 |
| 40 | 14.16 | 32.39 | 24.16 | .165 |
| 45 | 13.52 | 32.41 | 24.31 | .183 |
| 50 | 12.83 | 32.42 | 24.45 | .201 |
| 75 | 8.48 | 32.59 | 25.34 | .277 |
| 100 | 7.68 | 32.67 | 25.52 | .341 |
| 150 | 7.41 | 33.53 | 26.22 | .448 |
| 200 | 6.98 | 33.88 | 26.56 | .529 |
| 300 | 5.77 | 33.96 | 26.78 | .670 |
| 500 | 4.60 | 34.08 | 27.01 | .909 |
| 750 | 3.82 | 34.25 | 27.23 | 1.159 |
| 1000 | 3.28 | 34.39 | 27.39 | 1.367 |
| 1250 | 2.90 | 34.47 | 27.49 | 1.548 |
| 1500 | 2.48 | 34.51 | 27.56 | 1.709 |
| 1514 | 2.45 | 34.52 | 27.57 | |



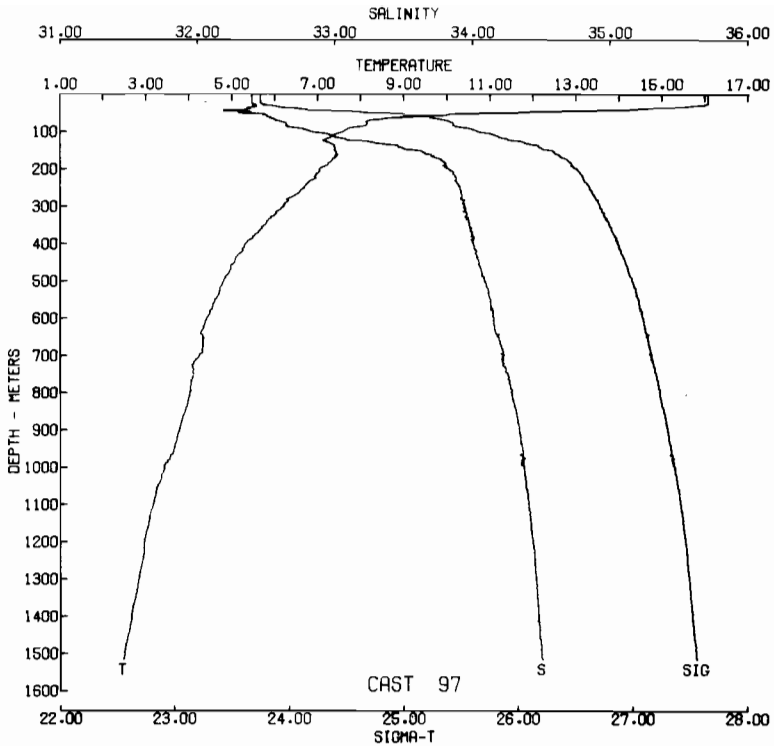

CAST RP-7-CC-095 DATE 16 SEP 73 TIME 0923 GMT
LAT 47 29.8N LONG 128 39.2W WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 060 T SPD 11 KT VISIBILITY 6
CLOUD 2 AMOUNT 3 DRY 15.7 WET 14.7 DEPTH 2681 M

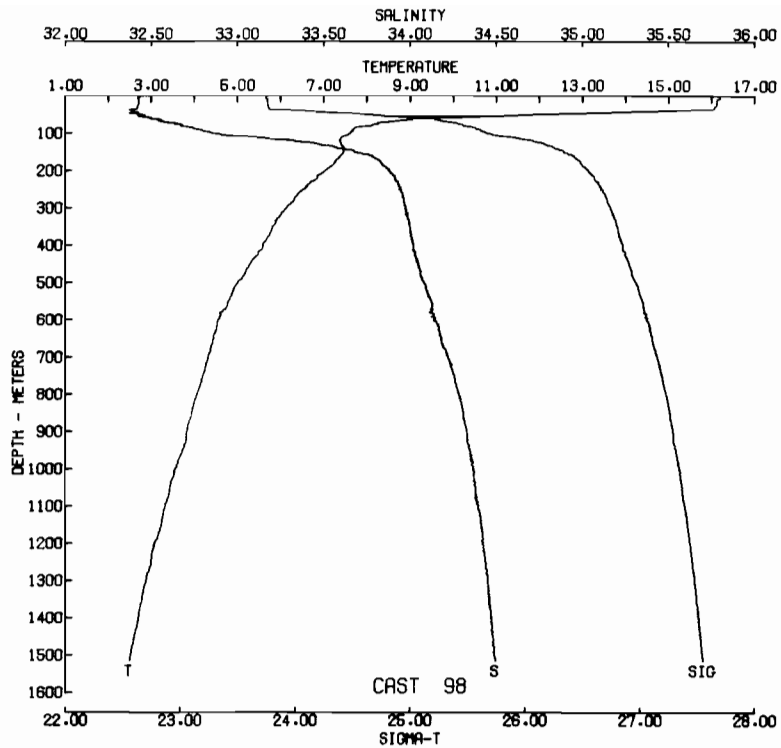
| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.02 | 32.32 | 23.71 | 0.000 |
| 3 | 16.01 | 32.32 | 23.71 | |
| 5 | 16.01 | 32.32 | 23.71 | .021 |
| 10 | 16.00 | 32.32 | 23.71 | .042 |
| 15 | 15.81 | 32.30 | 23.74 | .063 |
| 20 | 15.81 | 32.31 | 23.74 | .084 |
| 25 | 15.78 | 32.31 | 23.75 | .105 |
| 30 | 15.83 | 32.34 | 23.76 | .125 |
| 35 | 15.67 | 32.34 | 23.80 | .146 |
| 40 | 14.78 | 32.28 | 23.94 | .166 |
| 45 | 13.80 | 32.36 | 24.21 | .186 |
| 50 | 12.22 | 32.44 | 24.58 | .203 |
| 75 | 8.19 | 32.52 | 25.32 | .277 |
| 100 | 7.41 | 32.65 | 25.54 | .341 |
| 150 | 6.91 | 33.22 | 26.05 | .452 |
| 200 | 6.66 | 33.77 | 26.52 | .539 |
| 300 | 5.38 | 33.88 | 26.76 | .681 |
| 500 | 4.22 | 34.04 | 27.02 | .921 |
| 750 | 3.74 | 34.26 | 27.24 | 1.170 |
| 1000 | 3.36 | 34.39 | 27.39 | 1.379 |
| 1213 | 2.92 | 34.46 | 27.48 | |




CAST RP-7-CC-096 DATE 16 SEP 73 TIME 1320 GMT
LAT 47 30.3N LONG 129 21.3W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 064 T SPD 10 KT VISIBILITY 6
CLOUD 3 AMOUNT 2 DRY 16.0 WET 14.7 DEPTH 2535 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.02 | 32.39 | 23.76 | 0.000 |
| 3 | 16.02 | 32.39 | 23.76 | |
| 5 | 16.02 | 32.39 | 23.76 | .021 |
| 10 | 16.02 | 32.39 | 23.76 | .042 |
| 15 | 16.03 | 32.38 | 23.75 | .062 |
| 20 | 16.00 | 32.41 | 23.78 | .083 |
| 25 | 16.00 | 32.43 | 23.79 | .104 |
| 30 | 15.91 | 32.44 | 23.82 | .124 |
| 35 | 15.48 | 32.45 | 23.93 | .145 |
| 40 | 14.15 | 32.44 | 24.20 | .164 |
| 45 | 13.08 | 32.40 | 24.39 | .182 |
| 50 | 11.31 | 32.45 | 24.76 | .199 |
| 75 | 8.22 | 32.59 | 25.37 | .271 |
| 100 | 7.57 | 32.77 | 25.61 | .334 |
| 150 | 6.84 | 33.39 | 26.19 | .437 |
| 200 | 6.74 | 33.82 | 26.54 | .518 |
| 300 | 5.83 | 33.93 | 26.75 | .660 |
| 500 | 4.24 | 34.03 | 27.02 | .901 |
| 750 | 3.77 | 34.25 | 27.24 | 1.150 |
| 1000 | 3.33 | 34.39 | 27.39 | 1.358 |
| 1250 | 2.85 | 34.46 | 27.49 | 1.539 |
| 1500 | 2.42 | 34.52 | 27.57 | 1.699 |
| 1518 | 2.40 | 34.52 | 27.58 | |



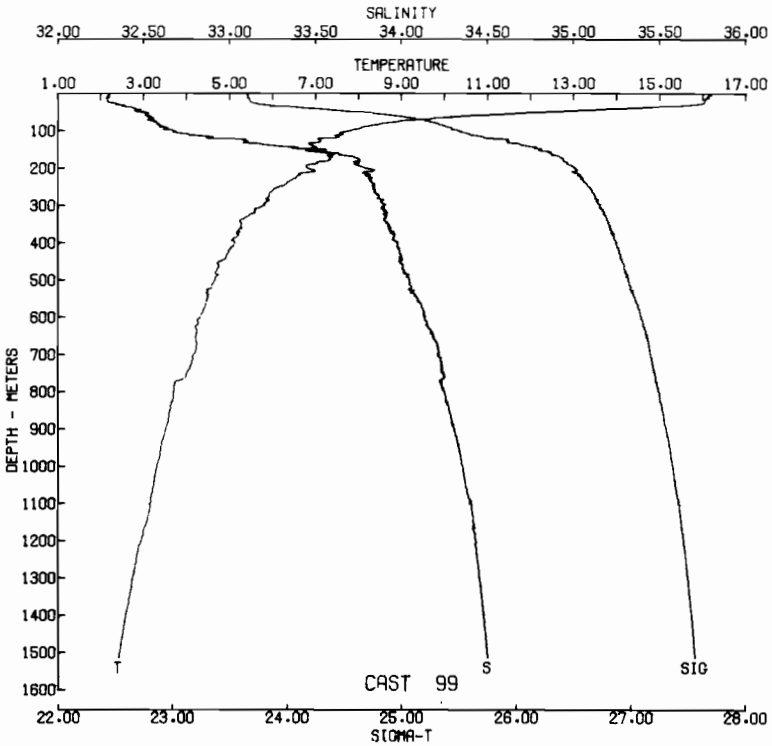



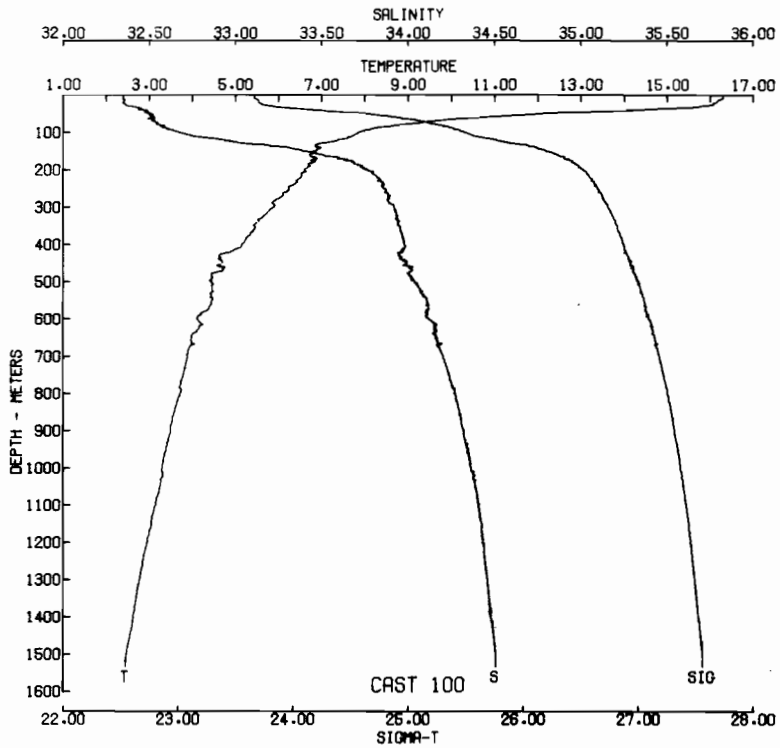

CAST RP-7-OC-097 DATE 16 SEP 73 TIME 1612 GMT
LAT 47 07.9N LONG 129 19.3W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 100 T SPD 04 KT VISIBILITY 6
CLOUD 3 AMOUNT 5 DRY 16.6 WET 14.9 DEPTH 2515 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.09 | 32.39 | 23.75 | 0.000 |
| 4 | 16.09 | 32.39 | 23.75 | |
| 5 | 16.08 | 32.40 | 23.75 | .021 |
| 10 | 16.08 | 32.39 | 23.75 | .042 |
| 15 | 16.09 | 32.39 | 23.75 | .062 |
| 20 | 16.09 | 32.39 | 23.75 | .083 |
| 25 | 16.08 | 32.40 | 23.75 | .104 |
| 30 | 15.82 | 32.42 | 23.83 | .125 |
| 35 | 15.28 | 32.39 | 23.92 | .145 |
| 40 | 14.34 | 32.36 | 24.10 | .164 |
| 45 | 12.36 | 32.28 | 24.39 | .183 |
| 50 | 11.22 | 32.30 | 24.66 | .200 |
| 75 | 8.14 | 32.62 | 25.41 | .273 |
| 100 | 7.60 | 32.82 | 25.65 | .333 |
| 150 | 7.40 | 33.61 | 26.29 | .436 |
| 200 | 7.05 | 33.82 | 26.51 | .518 |
| 300 | 6.21 | 33.95 | 26.71 | .665 |
| 500 | 4.81 | 34.09 | 27.00 | .913 |
| 750 | 4.11 | 34.26 | 27.21 | 1.169 |
| 1000 | 3.43 | 34.38 | 27.37 | 1.386 |
| 1250 | 2.93 | 34.45 | 27.48 | 1.570 |
| 1500 | 2.50 | 34.51 | 27.56 | 1.734 |
| 1515 | 2.48 | 34.51 | 27.56 | |

CAST RP-7-OC- 98 DATE 16 SEP 73 TIME 1859 GMT
LAT 46 45.2N LONG 129 20.7W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 180 T SPD 7 KT VISIBILITY 6
CLOUD 3 AMOUNT 6 DRY 17.2 WET 14.8 DEPTH 2346 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.20 | 32.43 | 23.75 | 0.000 |
| 3 | 16.20 | 32.43 | 23.75 | |
| 5 | 16.21 | 32.43 | 23.74 | .021 |
| 10 | 16.15 | 32.43 | 23.76 | .042 |
| 15 | 16.14 | 32.43 | 23.76 | .062 |
| 20 | 16.13 | 32.43 | 23.76 | .083 |
| 25 | 16.12 | 32.42 | 23.76 | .104 |
| 30 | 16.08 | 32.42 | 23.77 | .125 |
| 35 | 16.03 | 32.41 | 23.78 | .145 |
| 40 | 14.72 | 32.39 | 24.04 | .166 |
| 45 | 13.33 | 32.42 | 24.36 | .184 |
| 50 | 11.89 | 32.43 | 24.64 | .202 |
| 75 | 8.25 | 32.65 | 25.42 | .274 |
| 100 | 7.62 | 32.85 | 25.67 | .335 |
| 150 | 7.46 | 33.68 | 26.34 | .433 |
| 200 | 7.04 | 33.88 | 26.55 | .513 |
| 300 | 6.13 | 33.97 | 26.75 | .655 |
| 500 | 5.01 | 34.08 | 26.97 | .906 |
| 750 | 4.20 | 34.26 | 27.20 | 1.167 |
| 1000 | 3.57 | 34.37 | 27.35 | 1.387 |
| 1250 | 3.00 | 34.44 | 27.46 | 1.577 |
| 1500 | 2.52 | 34.49 | 27.55 | 1.745 |
| 1514 | 2.50 | 34.50 | 27.55 | |



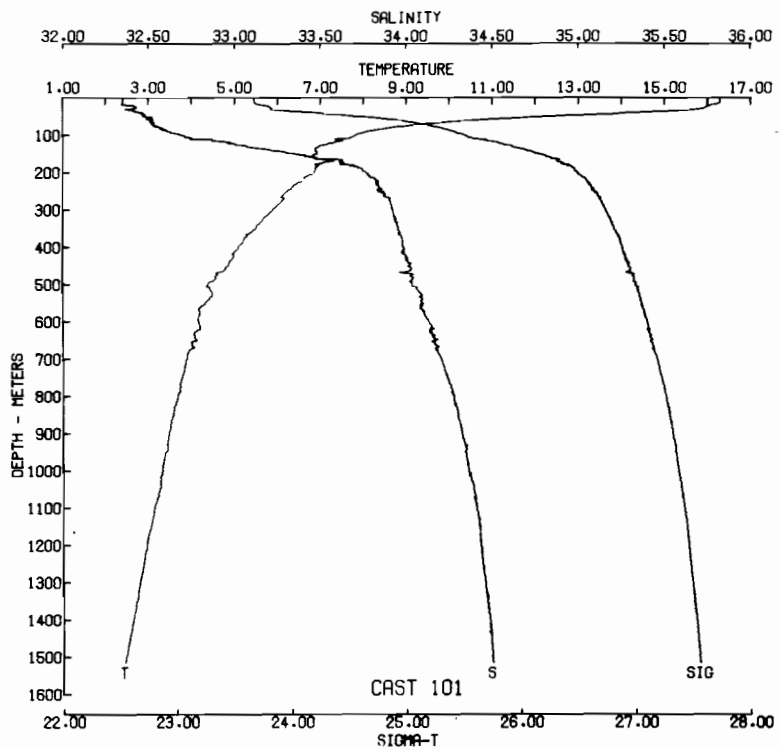



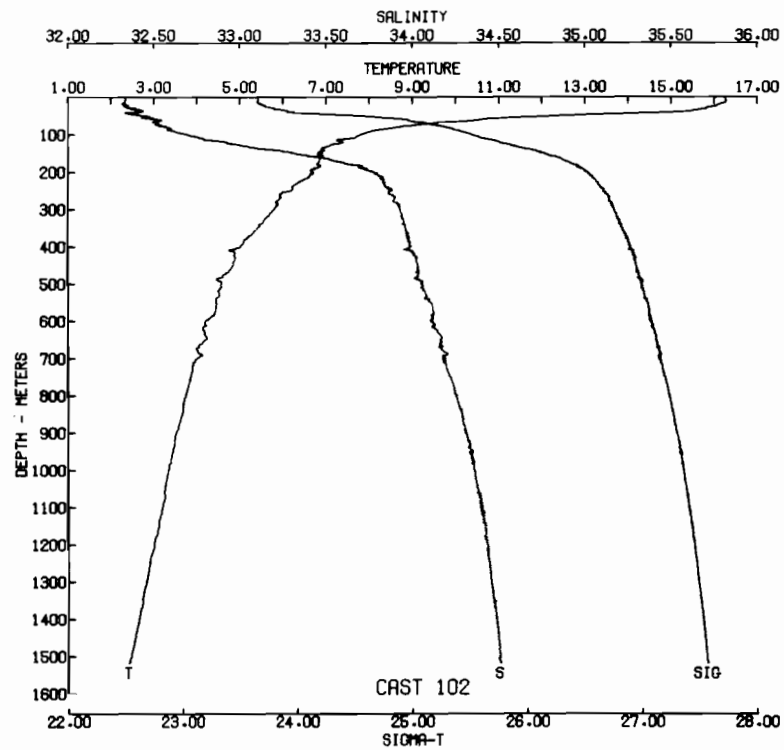

CAST RP-7-CC-099 DATE 16 SEP 73 TIME 2200 GMT
LAT 46 45.5N LONG 128 43.6W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 190 T SPD 12 KT VISIBILITY 6
CLOUD 3 AMOUNT o DRY 17.2 WET 15.0 DEPTH 2742 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.27 | 32.32 | 23.65 | 0.000 |
| 3 | 16.20 | 32.30 | 23.65 | |
| 5 | 16.16 | 32.30 | 23.66 | .021 |
| 10 | 16.14 | 32.30 | 23.67 | .042 |
| 15 | 16.06 | 32.29 | 23.67 | .064 |
| 20 | 16.05 | 32.29 | 23.68 | .085 |
| 25 | 16.03 | 32.33 | 23.71 | .106 |
| 30 | 15.77 | 32.35 | 23.79 | .127 |
| 35 | 14.93 | 32.40 | 24.00 | .147 |
| 40 | 14.03 | 32.45 | 24.24 | .166 |
| 45 | 13.16 | 32.45 | 24.41 | .184 |
| 50 | 12.09 | 32.51 | 24.67 | .201 |
| 75 | 8.33 | 32.56 | 25.25 | .276 |
| 100 | 7.76 | 32.67 | 25.51 | .341 |
| 150 | 7.25 | 33.48 | 26.21 | .443 |
| 200 | 6.82 | 33.79 | 26.52 | .533 |
| 300 | 5.78 | 33.90 | 26.73 | .678 |
| 500 | 4.66 | 34.05 | 26.98 | .925 |
| 750 | 4.01 | 34.24 | 27.21 | 1.181 |
| 1000 | 3.31 | 34.36 | 27.37 | 1.396 |
| 1250 | 2.83 | 34.44 | 27.48 | 1.581 |
| 1500 | 2.43 | 34.50 | 27.56 | 1.744 |
| 1513 | 2.42 | 34.50 | 27.56 | |

CAST RP-7-CC-100 DATE 16 SEP 73 TIME 2330 GMT
LAT 46 45.4N LONG 128 40.0W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 189 T SPD 12 KT VISIBILITY 6
CLOUD 6 AMOUNT o DRY 17.0 WET 15.3 DEPTH 2741 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.27 | 32.35 | 23.67 | 0.000 |
| 5 | 16.30 | 32.35 | 23.66 | |
| 10 | 16.27 | 32.34 | 23.67 | .042 |
| 15 | 16.18 | 32.36 | 23.70 | .064 |
| 20 | 16.14 | 32.35 | 23.70 | .085 |
| 25 | 16.08 | 32.36 | 23.72 | .106 |
| 30 | 15.76 | 32.38 | 23.81 | .126 |
| 35 | 15.17 | 32.44 | 23.99 | .147 |
| 40 | 14.23 | 32.46 | 24.20 | .166 |
| 45 | 13.25 | 32.49 | 24.42 | .184 |
| 50 | 12.09 | 32.49 | 24.65 | .201 |
| 75 | 9.26 | 32.55 | 25.18 | .277 |
| 100 | 7.87 | 32.67 | 25.49 | .343 |
| 150 | 6.84 | 33.39 | 26.20 | .452 |
| 200 | 6.61 | 33.77 | 26.52 | .536 |
| 300 | 5.89 | 33.92 | 26.74 | .679 |
| 500 | 4.43 | 34.04 | 27.00 | .926 |
| 750 | 3.79 | 34.24 | 27.22 | 1.179 |
| 1000 | 3.29 | 34.36 | 27.37 | 1.390 |
| 1250 | 2.84 | 34.45 | 27.48 | 1.573 |
| 1500 | 2.46 | 34.51 | 27.56 | 1.737 |
| 1533 | 2.44 | 34.51 | 27.56 | |



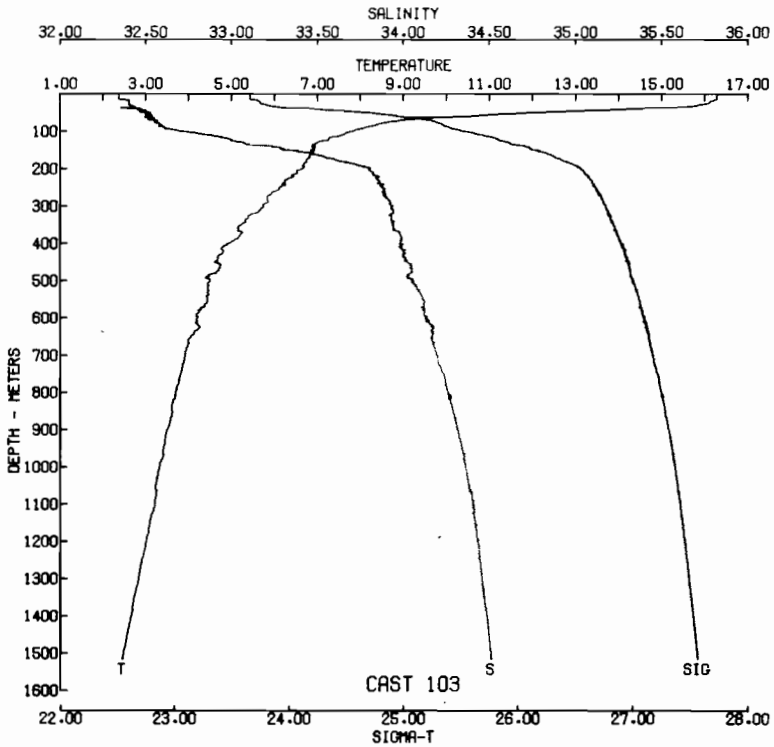



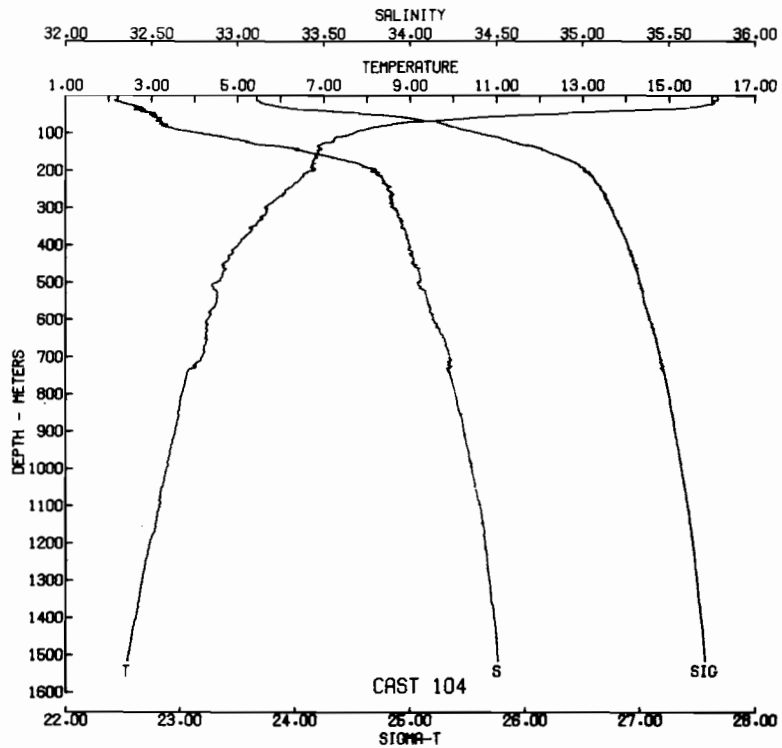

CAST RP-7-OC-101 DATE 17 SEP 73 TIME 0100 GMT
LAT 46 44.8N LONG 128 39.6W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 168 T SPD 14 KT VISIBILITY 6
CLOUD 6 AMOUNT 6 DRY 16.9 WET 15.3 DEPTH 2558 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.30 | 32.35 | 23.67 | 0.000 |
| 2 | 16.30 | 32.35 | 23.67 | |
| 5 | 16.29 | 32.35 | 23.67 | .021 |
| 10 | 16.29 | 32.35 | 23.67 | .042 |
| 15 | 16.23 | 32.35 | 23.68 | .064 |
| 20 | 16.05 | 32.39 | 23.75 | .085 |
| 25 | 15.95 | 32.43 | 23.81 | .105 |
| 30 | 15.77 | 32.41 | 23.83 | .126 |
| 35 | 15.06 | 32.42 | 23.99 | .146 |
| 40 | 14.07 | 32.47 | 24.24 | .165 |
| 45 | 13.30 | 32.48 | 24.40 | .183 |
| 50 | 12.21 | 32.48 | 24.61 | .201 |
| 75 | 9.01 | 32.54 | 25.22 | .276 |
| 100 | 7.81 | 32.70 | 25.52 | .341 |
| 150 | 6.90 | 33.35 | 26.16 | .450 |
| 200 | 6.84 | 33.76 | 26.49 | .535 |
| 300 | 5.89 | 33.92 | 26.74 | .680 |
| 500 | 4.37 | 34.03 | 27.00 | .925 |
| 750 | 3.77 | 34.24 | 27.23 | 1.177 |
| 1000 | 3.32 | 34.36 | 27.37 | 1.388 |
| 1250 | 2.88 | 34.44 | 27.47 | 1.572 |
| 1500 | 2.46 | 34.50 | 27.56 | 1.736 |
| 1514 | 2.44 | 34.50 | 27.56 | |

CAST RP-7-OC-102 DATE 17 SEP 73 TIME 0230 GMT
LAT 46 45.0N LONG 128 40.0W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 195 T SPD 17 KT VISIBILITY 6
CLOUD 6 AMOUNT 6 DRY 16.4 WET 15.2 DEPTH 2740 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.26 | 32.34 | 23.66 | 0.000 |
| 2 | 16.27 | 32.34 | 23.66 | |
| 5 | 16.27 | 32.33 | 23.66 | .021 |
| 10 | 16.28 | 32.33 | 23.66 | .042 |
| 15 | 16.25 | 32.33 | 23.66 | .064 |
| 20 | 16.11 | 32.32 | 23.69 | .085 |
| 25 | 15.97 | 32.34 | 23.73 | .106 |
| 30 | 15.83 | 32.38 | 23.79 | .127 |
| 35 | 15.51 | 32.43 | 23.90 | .147 |
| 40 | 15.09 | 32.41 | 23.98 | .167 |
| 45 | 13.57 | 32.38 | 24.27 | .186 |
| 50 | 12.43 | 32.46 | 24.56 | .204 |
| 75 | 9.04 | 32.55 | 25.22 | .280 |
| 100 | 7.80 | 32.70 | 25.52 | .345 |
| 150 | 6.82 | 33.33 | 26.15 | .455 |
| 200 | 6.67 | 33.78 | 26.52 | .540 |
| 300 | 5.78 | 33.93 | 26.76 | .683 |
| 500 | 4.56 | 34.05 | 27.00 | .926 |
| 750 | 3.84 | 34.22 | 27.21 | 1.182 |
| 1000 | 3.33 | 34.36 | 27.37 | 1.397 |
| 1250 | 2.90 | 34.45 | 27.47 | 1.582 |
| 1500 | 2.47 | 34.51 | 27.56 | 1.746 |
| 1516 | 2.42 | 34.51 | 27.57 | |



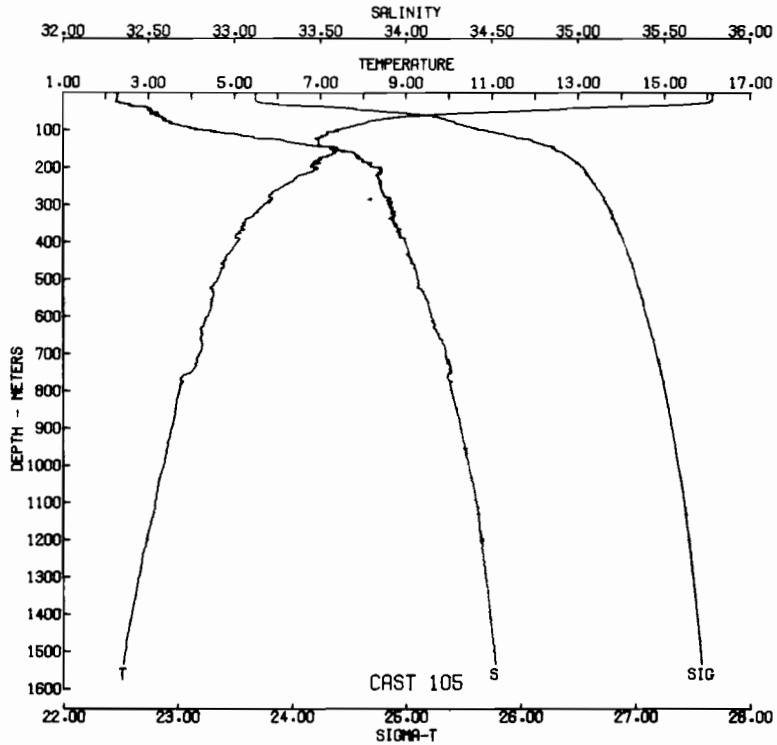



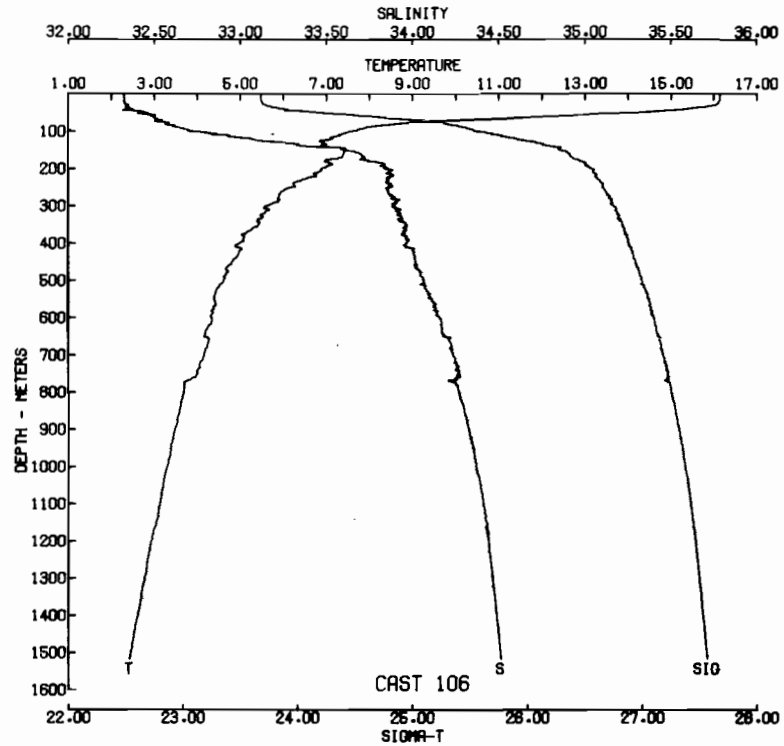

CAST RP-7-CC-103 DATE 17 SEP 73 TIME 0400 GMT
LAT 46 44.9N LONG 128 40.0W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 149 T SPD 16 KT VISIBILITY 5
CLOUD X AMOUNT 9 DRY 16.5 WET 15.2 DEPTH 2740 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.30 | 32.34 | 23.66 | 0.000 |
| 4 | 16.30 | 32.34 | 23.66 | |
| 5 | 16.29 | 32.34 | 23.66 | .021 |
| 10 | 16.29 | 32.34 | 23.66 | .042 |
| 15 | 16.28 | 32.35 | 23.67 | .064 |
| 20 | 16.13 | 32.40 | 23.74 | .085 |
| 25 | 16.10 | 32.40 | 23.75 | .105 |
| 30 | 15.86 | 32.40 | 23.81 | .126 |
| 35 | 15.52 | 32.44 | 23.91 | .146 |
| 40 | 14.17 | 32.45 | 24.21 | .166 |
| 45 | 12.39 | 32.49 | 24.47 | .184 |
| 50 | 11.92 | 32.51 | 24.70 | .201 |
| 75 | 8.65 | 32.56 | 25.28 | .275 |
| 100 | 7.80 | 32.71 | 25.53 | .340 |
| 150 | 6.84 | 33.32 | 26.14 | .448 |
| 200 | 6.65 | 33.80 | 26.55 | .532 |
| 300 | 5.75 | 33.94 | 26.77 | .674 |
| 500 | 4.49 | 34.05 | 27.00 | .915 |
| 750 | 3.81 | 34.24 | 27.22 | 1.168 |
| 1000 | 3.32 | 34.36 | 27.37 | 1.381 |
| 1250 | 2.90 | 34.45 | 27.47 | 1.566 |
| 1500 | 2.47 | 34.51 | 27.56 | 1.730 |
| 1514 | 2.45 | 34.51 | 27.57 | |

CAST RP-7-CC-104 DATE 17 SEP 73 TIME 0530 GMT
LAT 46 44.3N LONG 128 41.8W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 155 T SPD 15 KT VISIBILITY 5
CLOUD X AMOUNT 9 DRY 16.2 WET 15.1 DEPTH 2741 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.14 | 32.31 | 23.67 | 0.000 |
| 4 | 16.14 | 32.30 | 23.67 | |
| 5 | 16.14 | 32.30 | 23.67 | .021 |
| 10 | 16.14 | 32.30 | 23.67 | .042 |
| 15 | 16.03 | 32.29 | 23.68 | .064 |
| 20 | 16.06 | 32.33 | 23.71 | .085 |
| 25 | 15.86 | 32.39 | 23.79 | .106 |
| 30 | 15.65 | 32.42 | 23.87 | .126 |
| 35 | 15.17 | 32.44 | 23.99 | .146 |
| 40 | 14.11 | 32.44 | 24.21 | .165 |
| 45 | 12.87 | 32.47 | 24.48 | .183 |
| 50 | 12.31 | 32.50 | 24.62 | .200 |
| 75 | 8.66 | 32.56 | 25.28 | .274 |
| 100 | 7.69 | 32.77 | 25.59 | .339 |
| 150 | 6.86 | 33.40 | 26.20 | .444 |
| 200 | 6.74 | 33.78 | 26.51 | .528 |
| 300 | 5.63 | 33.90 | 26.75 | .670 |
| 500 | 4.52 | 34.05 | 27.00 | .912 |
| 750 | 3.80 | 34.24 | 27.22 | 1.166 |
| 1000 | 3.35 | 34.36 | 27.36 | 1.380 |
| 1250 | 2.86 | 34.45 | 27.48 | 1.565 |
| 1500 | 2.46 | 34.51 | 27.56 | 1.728 |
| 1515 | 2.43 | 34.51 | 27.57 | |



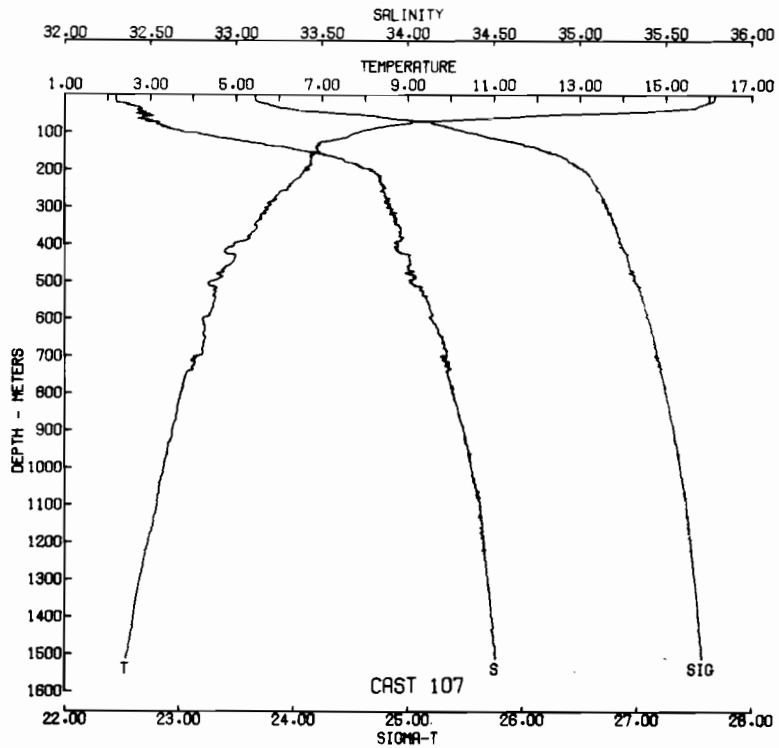



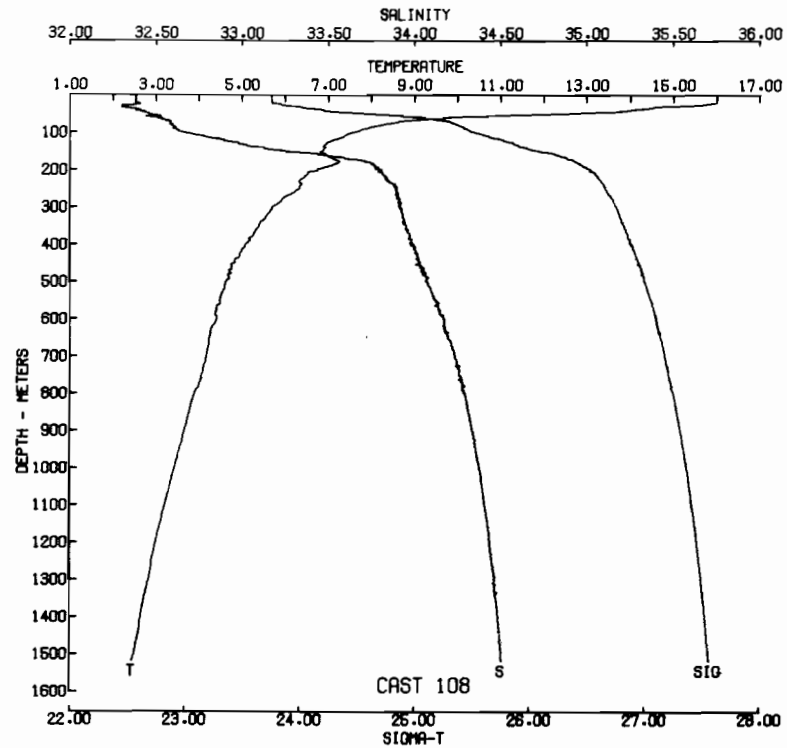

CAST RP-7-OC-105 DATE 17 SEP 73 TIME 0700 GMT
LAT 46 44.2N LONG 128 43.5W WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 140 T SPD 20 KT VISIBILITY 6
CLOUD 3 AMOUNT 5 DRY 16.5 WET 15.3 DEPTH 2741 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.11 | 32.33 | 23.69 | 0.000 |
| 3 | 16.11 | 32.32 | 23.69 | |
| 5 | 16.13 | 32.32 | 23.68 | .021 |
| 10 | 16.12 | 32.32 | 23.68 | .042 |
| 15 | 16.12 | 32.32 | 23.68 | .063 |
| 20 | 16.11 | 32.31 | 23.68 | .084 |
| 25 | 16.05 | 32.32 | 23.70 | .106 |
| 30 | 15.67 | 32.38 | 23.83 | .126 |
| 35 | 14.54 | 32.41 | 24.10 | .146 |
| 40 | 13.16 | 32.50 | 24.44 | .165 |
| 45 | 12.44 | 32.50 | 24.59 | .182 |
| 50 | 11.44 | 32.52 | 24.79 | .198 |
| 75 | 8.16 | 32.59 | 25.38 | .269 |
| 100 | 7.33 | 32.83 | 25.69 | .331 |
| 150 | 7.22 | 33.58 | 26.29 | .431 |
| 200 | 6.92 | 33.86 | 26.55 | .513 |
| 300 | 5.67 | 33.91 | 26.75 | .656 |
| 500 | 4.59 | 34.07 | 27.00 | .898 |
| 750 | 3.98 | 34.26 | 27.22 | 1.152 |
| 1000 | 3.34 | 34.37 | 27.37 | 1.364 |
| 1250 | 2.84 | 34.45 | 27.48 | 1.548 |
| 1500 | 2.44 | 34.51 | 27.57 | 1.710 |
| 1532 | 2.40 | 34.52 | 27.58 | |

CAST RP-7-OC-106 DATE 17 SEP 73 TIME 0830 GMT
LAT 46 44.2N LONG 128 43.6W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 140 T SPD 13 KT VISIBILITY 6
CLOUD 3 AMOUNT 5 DRY 16.1 WET 15.2 DEPTH 2742 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.17 | 32.33 | 23.68 | 0.000 |
| 3 | 16.16 | 32.33 | 23.68 | |
| 5 | 16.15 | 32.32 | 23.68 | .021 |
| 10 | 16.15 | 32.32 | 23.68 | .042 |
| 15 | 16.16 | 32.33 | 23.68 | .063 |
| 20 | 16.13 | 32.33 | 23.69 | .085 |
| 25 | 16.11 | 32.32 | 23.69 | .106 |
| 30 | 16.05 | 32.35 | 23.72 | .127 |
| 35 | 15.81 | 32.35 | 23.78 | .148 |
| 40 | 15.43 | 32.35 | 23.86 | .168 |
| 45 | 14.92 | 32.36 | 23.98 | .188 |
| 50 | 14.38 | 32.45 | 24.16 | .208 |
| 75 | 9.13 | 32.52 | 25.18 | .290 |
| 100 | 7.59 | 32.73 | 25.57 | .355 |
| 150 | 7.45 | 33.60 | 26.28 | .458 |
| 200 | 6.88 | 33.84 | 26.54 | .540 |
| 300 | 5.60 | 33.90 | 26.75 | .682 |
| 500 | 4.62 | 34.06 | 27.00 | .927 |
| 750 | 4.00 | 34.27 | 27.23 | 1.179 |
| 1000 | 3.29 | 34.37 | 27.38 | 1.390 |
| 1250 | 2.84 | 34.45 | 27.49 | 1.572 |
| 1500 | 2.44 | 34.51 | 27.57 | 1.734 |
| 1515 | 2.42 | 34.52 | 27.57 | |



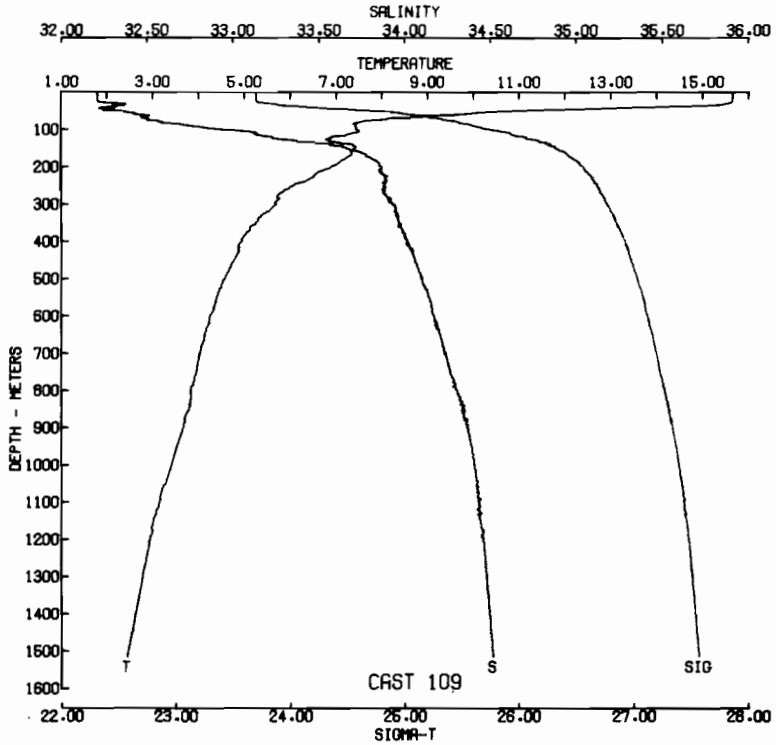



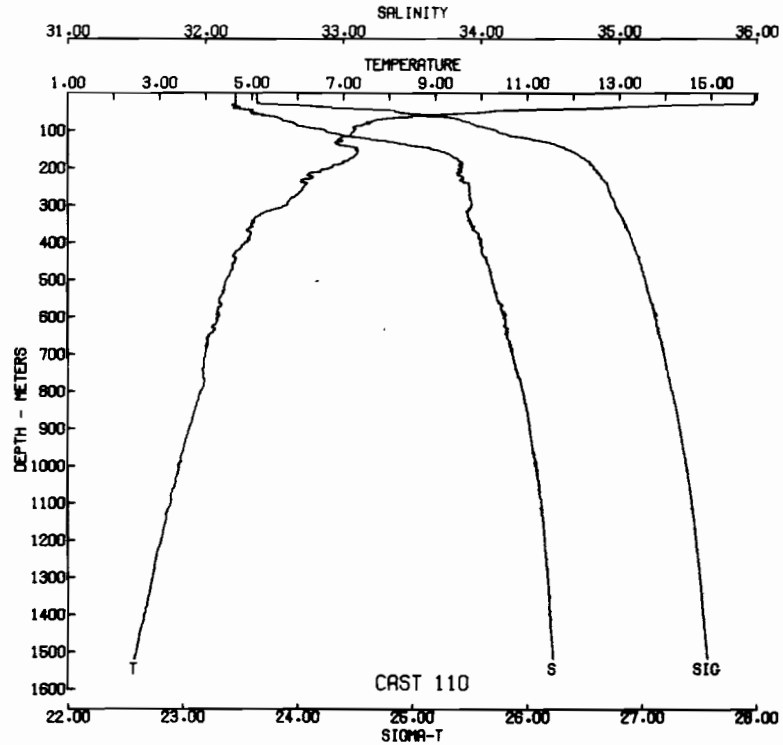

CAST RP-7-OC-107 DATE 17 SEP 73 TIME 1000 GMT
LAT 46 45.4N LONG 128 41.1W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 180 T SPD 15 KT VISIBILITY 5
CLOUD X AMOUNT 9 DRY 16.0 WET 15.6 DEPTH 2742 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.15 | 32.30 | 23.66 | 0.000 |
| 4 | 16.13 | 32.30 | 23.66 | |
| 5 | 16.13 | 32.30 | 23.67 | .021 |
| 10 | 16.13 | 32.30 | 23.67 | .042 |
| 15 | 16.11 | 32.30 | 23.67 | .064 |
| 20 | 16.00 | 32.30 | 23.69 | .085 |
| 25 | 15.87 | 32.38 | 23.78 | .106 |
| 30 | 15.76 | 32.40 | 23.82 | .126 |
| 35 | 15.66 | 32.44 | 23.88 | .147 |
| 40 | 15.03 | 32.44 | 24.02 | .166 |
| 45 | 14.28 | 32.45 | 24.18 | .186 |
| 50 | 13.14 | 32.44 | 24.40 | .204 |
| 75 | 9.08 | 32.54 | 25.21 | .282 |
| 100 | 7.83 | 32.70 | 25.52 | .348 |
| 150 | 6.89 | 33.41 | 26.20 | .455 |
| 200 | 6.68 | 33.78 | 26.53 | .538 |
| 300 | 5.71 | 33.88 | 26.72 | .682 |
| 500 | 4.38 | 34.02 | 26.99 | .924 |
| 750 | 3.83 | 34.23 | 27.22 | 1.183 |
| 1000 | 3.31 | 34.37 | 27.38 | 1.395 |
| 1250 | 2.84 | 34.46 | 27.49 | 1.577 |
| 1500 | 2.44 | 34.51 | 27.56 | 1.738 |
| 1511 | 2.43 | 34.51 | 27.57 | |

CAST RP-7-OC-108 DATE 17 SEP 73 TIME 1305 GMT
LAT 46 44.9N LONG 128 00.7W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 175 T SPD 15 KT VISIBILITY 5
CLOUD X AMOUNT 9 DRY 16.8 WET 16.0 DEPTH 2724 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.01 | 32.33 | 23.72 | 0.000 |
| 5 | 16.01 | 32.38 | 23.76 | .021 |
| 10 | 16.01 | 32.38 | 23.76 | .042 |
| 15 | 16.01 | 32.38 | 23.76 | .062 |
| 20 | 15.98 | 32.38 | 23.76 | .083 |
| 25 | 15.74 | 32.41 | 23.84 | .104 |
| 30 | 14.88 | 32.30 | 23.94 | .124 |
| 35 | 14.41 | 32.33 | 24.06 | .144 |
| 40 | 13.99 | 32.40 | 24.20 | .163 |
| 45 | 13.65 | 32.43 | 24.30 | .181 |
| 50 | 12.35 | 32.45 | 24.57 | .199 |
| 75 | 8.50 | 32.58 | 25.33 | .272 |
| 100 | 7.56 | 32.65 | 25.52 | .336 |
| 150 | 6.85 | 33.25 | 26.08 | .447 |
| 200 | 6.75 | 33.81 | 26.54 | .532 |
| 300 | 5.70 | 33.91 | 26.75 | .674 |
| 500 | 4.62 | 34.07 | 27.01 | .918 |
| 750 | 4.06 | 34.26 | 27.22 | 1.170 |
| 1000 | 3.43 | 34.38 | 27.37 | 1.383 |
| 1250 | 2.89 | 34.45 | 27.48 | 1.568 |
| 1500 | 2.48 | 34.50 | 27.56 | 1.732 |
| 1516 | 2.44 | 34.51 | 27.56 | |



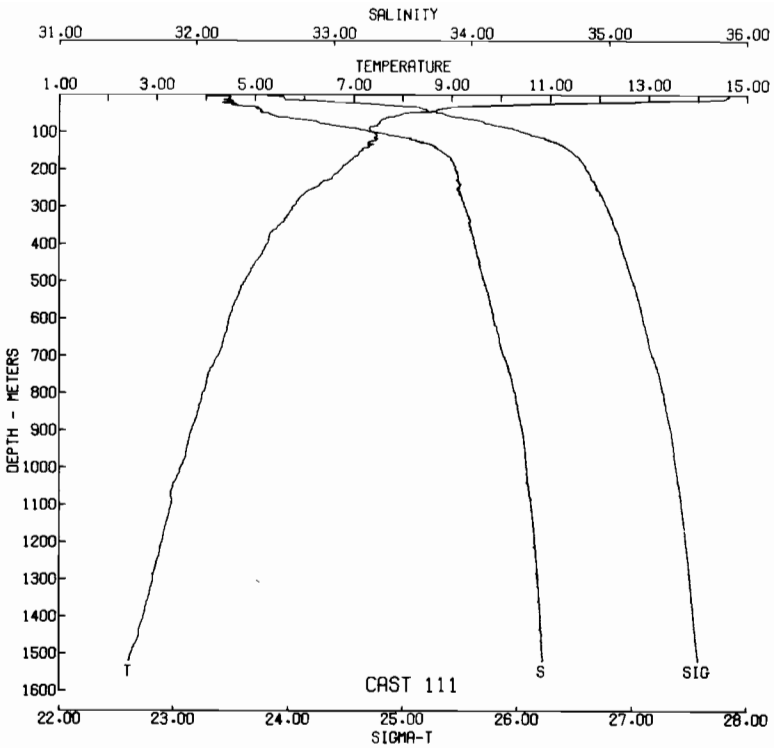



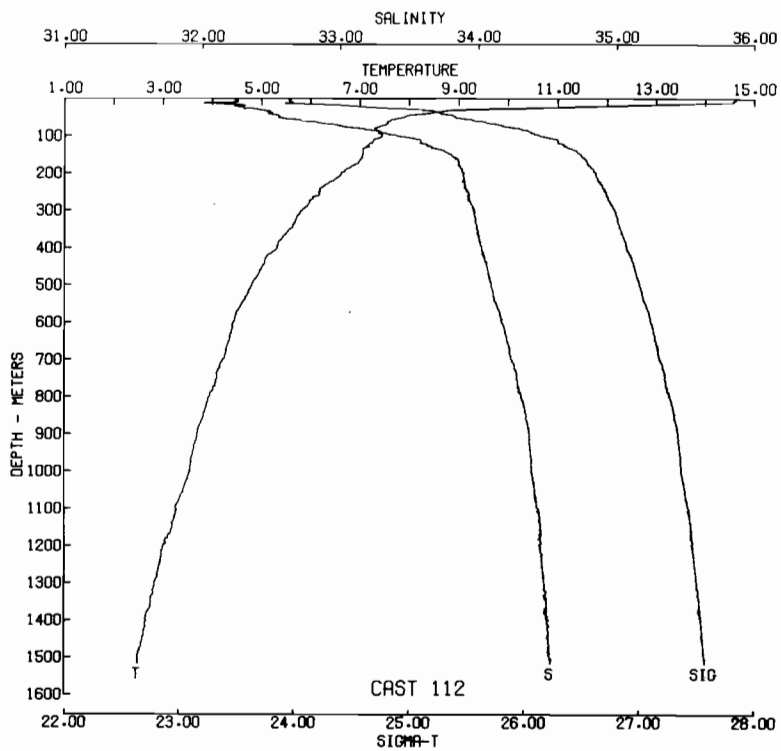

CAST RP-7-OC-109 DATE 17 SEP 73 TIME 1625 GMT
LAT 46 45.0N LONG 127 19.0W WEATHER 6 SEA STATE 3
BAROMETER 10 WIND DIR 140 T SPD 18 KT VISIBILITY 5
CLOUD 6 AMOUNT 8 DRY 16.1 WET 15.9 DEPTH 2681 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.66 | 32.21 | 23.70 | 0.000 |
| 3 | 15.66 | 32.21 | 23.70 | |
| 5 | 15.66 | 32.21 | 23.70 | .021 |
| 10 | 15.67 | 32.21 | 23.70 | .042 |
| 15 | 15.67 | 32.21 | 23.70 | .063 |
| 20 | 15.66 | 32.21 | 23.70 | .084 |
| 25 | 15.65 | 32.21 | 23.71 | .105 |
| 30 | 15.55 | 32.27 | 23.76 | .126 |
| 35 | 15.20 | 32.34 | 23.90 | .146 |
| 40 | 13.86 | 32.30 | 24.15 | .166 |
| 45 | 12.24 | 32.24 | 24.43 | .184 |
| 50 | 10.91 | 32.25 | 24.67 | .201 |
| 75 | 7.86 | 32.52 | 25.37 | .273 |
| 100 | 7.45 | 32.93 | 25.75 | .334 |
| 150 | 7.41 | 33.66 | 26.33 | .432 |
| 200 | 6.88 | 33.87 | 26.56 | .512 |
| 300 | 5.69 | 33.93 | 26.77 | .652 |
| 500 | 4.56 | 34.10 | 27.04 | .890 |
| 750 | 3.95 | 34.27 | 27.23 | 1.138 |
| 1000 | 3.40 | 34.41 | 27.40 | 1.346 |
| 1250 | 2.86 | 34.47 | 27.50 | 1.525 |
| 1500 | 2.46 | 34.51 | 27.57 | 1.685 |
| 1514 | 2.44 | 34.52 | 27.57 | |

CAST RP-7-OC-110 DATE 17 SEP 73 TIME 1919 GMT
LAT 46 46.0N LONG 126 41.4W WEATHER 6 SEA STATE 4
BAROMETER 11 WIND DIR 160 T SPD 22 KT VISIBILITY 4
CLOUD 6 AMOUNT 8 DRY 16.2 WET 15.5 DEPTH 2623 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.95 | 32.21 | 23.64 | 0.000 |
| 4 | 15.95 | 32.21 | 23.64 | |
| 5 | 15.95 | 32.21 | 23.64 | .021 |
| 10 | 15.95 | 32.21 | 23.64 | .043 |
| 15 | 15.95 | 32.21 | 23.64 | .064 |
| 20 | 15.94 | 32.21 | 23.64 | .085 |
| 25 | 15.91 | 32.21 | 23.65 | .107 |
| 30 | 15.44 | 32.20 | 23.75 | .128 |
| 35 | 13.64 | 32.21 | 24.13 | .148 |
| 40 | 12.39 | 32.19 | 24.36 | .166 |
| 45 | 10.59 | 32.33 | 24.79 | .183 |
| 50 | 10.09 | 32.34 | 24.88 | .198 |
| 75 | 7.61 | 32.58 | 25.46 | .268 |
| 100 | 7.23 | 32.87 | 25.73 | .329 |
| 150 | 7.25 | 33.65 | 26.34 | .428 |
| 200 | 6.70 | 33.86 | 26.58 | .507 |
| 300 | 5.74 | 33.93 | 26.76 | .647 |
| 500 | 4.44 | 34.08 | 27.03 | .885 |
| 750 | 3.95 | 34.26 | 27.23 | 1.134 |
| 1000 | 3.40 | 34.40 | 27.39 | 1.345 |
| 1250 | 2.92 | 34.47 | 27.49 | 1.526 |
| 1500 | 2.48 | 34.52 | 27.57 | 1.687 |
| 1517 | 2.44 | 34.52 | 27.57 | |



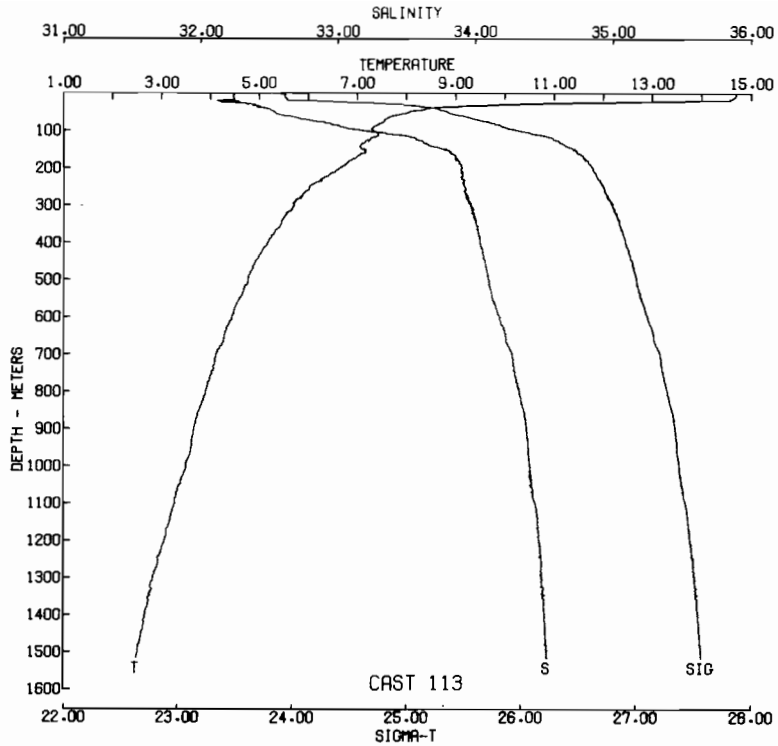



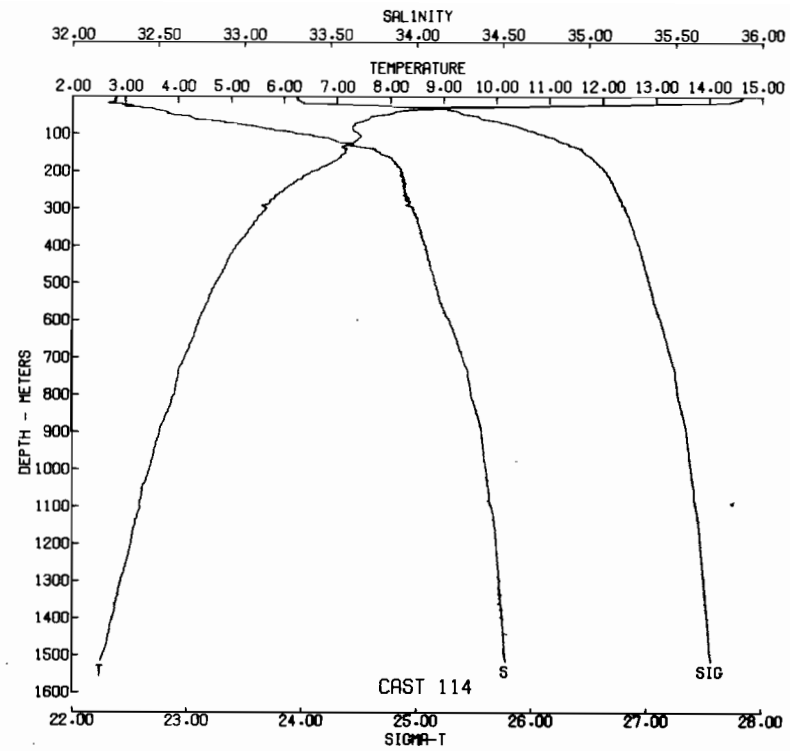

CAST RP-7-OC-111 DATE 17 SEP 73 TIME 2256 GMT
LAT 46 45.1N LONG 126 02.0W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 210 T SPD 14 KT VISIBILITY 6
CLOUD 6 AMOUNT 6 DRY 16.1 WET 15.0 DEPTH 2599 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.66 | 32.03 | 23.78 | 0.000 |
| 3 | 14.63 | 32.07 | 23.82 | |
| 5 | 14.62 | 32.24 | 23.95 | .020 |
| 10 | 14.57 | 32.24 | 23.96 | .040 |
| 15 | 13.72 | 32.23 | 24.13 | .060 |
| 20 | 12.11 | 32.21 | 24.42 | .079 |
| 25 | 10.52 | 32.29 | 24.77 | .095 |
| 30 | 9.46 | 32.32 | 24.97 | .110 |
| 35 | 8.93 | 32.43 | 25.14 | .125 |
| 40 | 8.70 | 32.47 | 25.21 | .139 |
| 45 | 8.58 | 32.48 | 25.23 | .152 |
| 50 | 8.01 | 32.53 | 25.36 | .166 |
| 75 | 7.52 | 32.39 | 25.71 | .223 |
| 100 | 7.40 | 33.30 | 26.05 | .281 |
| 150 | 7.15 | 33.78 | 26.46 | .369 |
| 200 | 6.72 | 33.89 | 26.66 | .445 |
| 300 | 5.75 | 33.95 | 26.78 | .584 |
| 500 | 4.73 | 34.39 | 27.06 | .826 |
| 750 | 4.04 | 34.28 | 27.23 | 1.080 |
| 1000 | 3.48 | 34.40 | 27.38 | 1.290 |
| 1250 | 2.93 | 34.47 | 27.45 | 1.473 |
| 1500 | 2.47 | 34.51 | 27.57 | 1.636 |
| 1513 | 2.45 | 34.52 | 27.57 | |

CAST RP-7-OC-112 DATE 18 SEP 73 TIME 0027 GMT
LAT 46 45.6N LONG 126 00.4W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 198 T SPD 14 KT VISIBILITY 6
CLOUD 6 AMOUNT 4 DRY 16.2 WET 15.1 DEPTH 2587 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.64 | 32.24 | 23.95 | 0.000 |
| 3 | 14.63 | 32.25 | 23.95 | |
| 5 | 14.59 | 32.25 | 23.96 | .020 |
| 10 | 14.54 | 32.24 | 23.97 | .040 |
| 15 | 13.65 | 32.13 | 24.07 | .059 |
| 20 | 12.14 | 32.31 | 24.50 | .077 |
| 25 | 10.60 | 32.29 | 24.76 | .094 |
| 30 | 9.15 | 32.40 | 25.08 | .109 |
| 35 | 8.66 | 32.48 | 25.22 | .123 |
| 40 | 8.43 | 32.50 | 25.27 | .137 |
| 45 | 8.00 | 32.54 | 25.36 | .151 |
| 50 | 7.83 | 32.56 | 25.40 | .164 |
| 75 | 7.39 | 33.02 | 25.83 | .223 |
| 100 | 7.44 | 33.42 | 26.13 | .274 |
| 150 | 7.04 | 33.30 | 26.49 | .359 |
| 200 | 6.61 | 33.89 | 26.62 | .435 |
| 300 | 5.32 | 33.37 | 26.78 | .573 |
| 500 | 4.81 | 34.09 | 27.00 | .816 |
| 750 | 4.09 | 34.28 | 27.23 | 1.069 |
| 1000 | 3.54 | 34.39 | 27.37 | 1.279 |
| 1250 | 2.93 | 34.46 | 27.49 | 1.463 |
| 1500 | 2.47 | 34.52 | 27.57 | 1.624 |
| 1513 | 2.48 | 34.52 | 27.57 | |



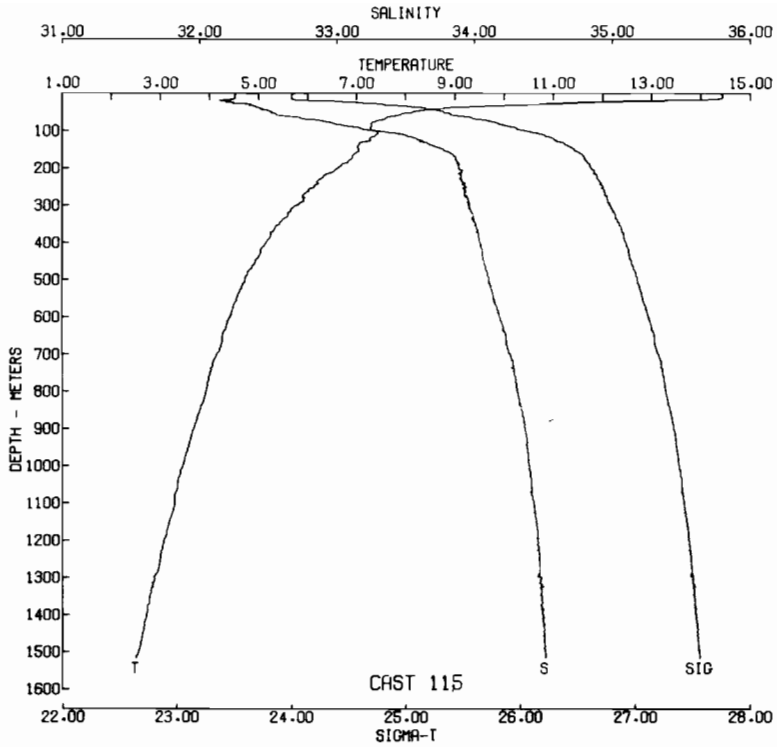



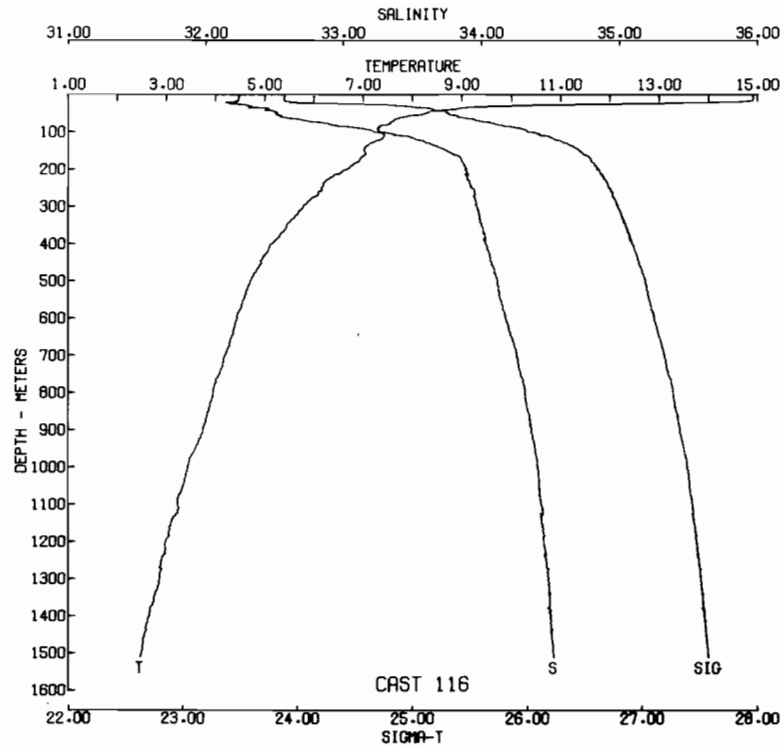

CAST RP-7-CC-113 DATE 18 SEP 73 TIME 0200 GMT
LAT 46 45.0N LONG 126 04.2W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 193 T SPD 12 KT VISIBILITY 7
CLOUD 6 AMOUNT 5 DRY 16.0 WET 14.6 DEPTH 2593 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.68 | 32.22 | 23.92 | 0.000 |
| 1 | 14.68 | 32.20 | 23.90 | |
| 5 | 14.09 | 32.24 | 23.94 | .020 |
| 10 | 14.08 | 32.24 | 23.94 | .040 |
| 15 | 14.62 | 32.24 | 23.95 | .060 |
| 20 | 14.07 | 32.12 | 23.97 | .080 |
| 25 | 11.70 | 32.21 | 24.50 | .098 |
| 30 | 10.04 | 32.38 | 24.95 | .114 |
| 35 | 9.15 | 32.44 | 25.11 | .129 |
| 40 | 8.53 | 32.46 | 25.22 | .143 |
| 45 | 8.34 | 32.51 | 25.29 | .157 |
| 50 | 8.07 | 32.53 | 25.35 | .170 |
| 75 | 7.55 | 32.54 | 25.67 | .233 |
| 100 | 7.32 | 33.18 | 25.96 | .288 |
| 150 | 7.14 | 33.79 | 26.47 | .377 |
| 200 | 6.84 | 33.90 | 26.63 | .452 |
| 300 | 5.71 | 33.97 | 26.79 | .590 |
| 500 | 4.77 | 34.10 | 27.01 | .829 |
| 750 | 4.03 | 34.29 | 27.24 | 1.080 |
| 1000 | 3.50 | 34.40 | 27.38 | 1.289 |
| 1250 | 2.95 | 34.49 | 27.50 | 1.470 |
| 1500 | 2.52 | 34.52 | 27.57 | 1.630 |
| 1515 | 2.49 | 34.52 | 27.57 | |

CAST RP-7-CC-114 DATE 18 SEP 73 TIME 0330 GMT
LAT 46 44.8N LONG 125 59.3W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 216 T SPD 11 KT VISIBILITY 6
CLOUD X AMOUNT 9 DRY 15.9 WET 14.1 DEPTH 2589 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.65 | 32.25 | 23.95 | 0.000 |
| 1 | 14.62 | 32.25 | 23.96 | |
| 5 | 14.61 | 32.25 | 23.96 | .020 |
| 10 | 14.55 | 32.24 | 23.97 | .040 |
| 15 | 14.42 | 32.25 | 24.00 | .059 |
| 20 | 12.92 | 32.23 | 24.28 | .079 |
| 25 | 10.85 | 32.35 | 24.76 | .096 |
| 30 | 9.49 | 32.40 | 25.03 | .111 |
| 35 | 8.55 | 32.48 | 25.24 | .125 |
| 40 | 8.14 | 32.54 | 25.34 | .139 |
| 45 | 8.05 | 32.56 | 25.37 | .152 |
| 50 | 7.79 | 32.61 | 25.45 | .165 |
| 75 | 7.43 | 32.98 | 25.81 | .224 |
| 100 | 7.41 | 33.33 | 26.07 | .277 |
| 150 | 7.15 | 33.79 | 26.46 | .364 |
| 200 | 6.50 | 33.90 | 26.64 | .440 |
| 300 | 5.83 | 33.97 | 26.81 | .575 |
| 500 | 4.73 | 34.11 | 27.02 | .811 |
| 750 | 4.00 | 34.30 | 27.25 | 1.059 |
| 1000 | 3.46 | 34.40 | 27.39 | 1.266 |
| 1250 | 3.02 | 34.47 | 27.46 | 1.449 |
| 1500 | 2.58 | 34.51 | 27.55 | 1.613 |
| 1515 | 2.54 | 34.52 | 27.57 | |



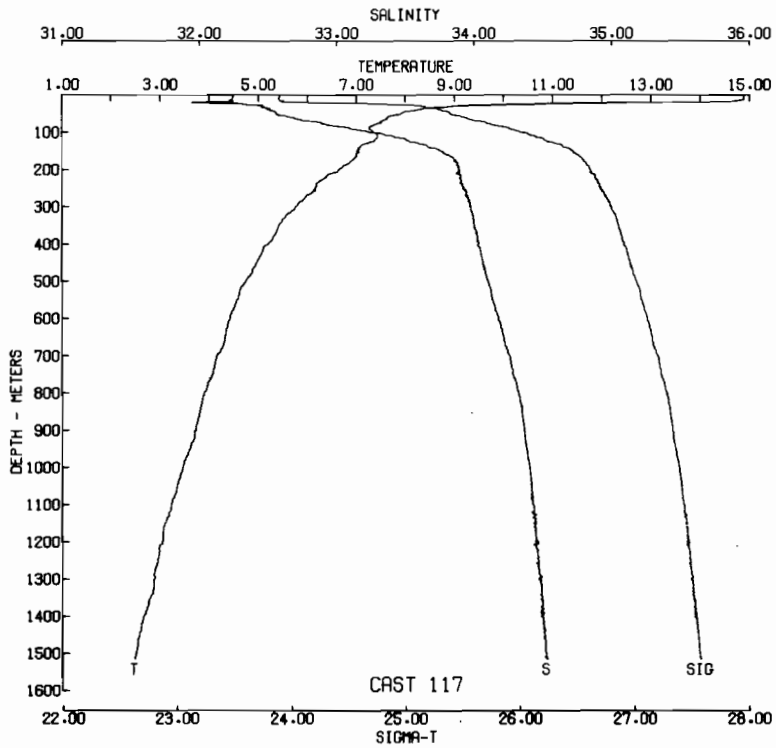



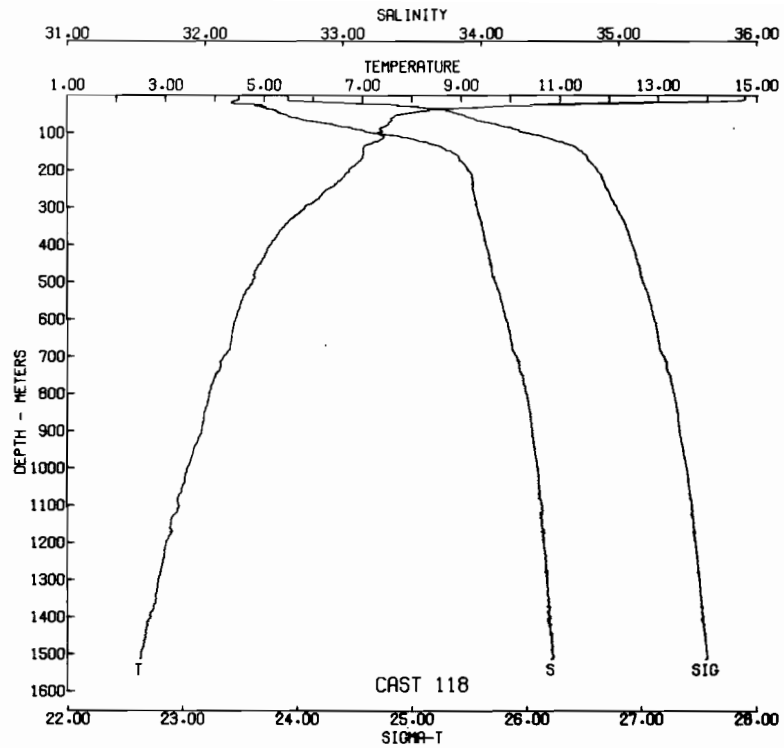

CAST RP-7-OC-115 DATE 18 SEP 73 TIME 0501 GMT
LAT 46 44.9N LONG 126 00.9W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 255 T SPD 08 KT VISIBILITY 6
CLOUD X AMOUNT 9 DRY 15.2 WET 14.0 DEPTH 2591 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.40 | 32.25 | 24.01 | 0.000 |
| 2 | 14.42 | 32.25 | 24.00 | |
| 5 | 14.44 | 32.26 | 24.00 | .020 |
| 10 | 14.44 | 32.26 | 24.00 | .039 |
| 15 | 14.42 | 32.25 | 24.00 | .059 |
| 20 | 12.86 | 32.16 | 24.24 | .078 |
| 25 | 11.47 | 32.25 | 24.57 | .096 |
| 30 | 10.74 | 32.37 | 24.80 | .112 |
| 35 | 9.58 | 32.41 | 25.02 | .128 |
| 40 | 8.80 | 32.44 | 25.17 | .142 |
| 45 | 8.41 | 32.49 | 25.26 | .156 |
| 50 | 8.15 | 32.52 | 25.33 | .169 |
| 75 | 7.38 | 32.31 | 25.74 | .231 |
| 100 | 7.34 | 33.29 | 26.04 | .285 |
| 150 | 7.04 | 33.77 | 26.47 | .373 |
| 200 | 6.62 | 33.99 | 26.62 | .448 |
| 300 | 5.77 | 33.96 | 26.78 | .586 |
| 500 | 4.72 | 34.10 | 27.06 | .865 |
| 750 | 4.01 | 34.29 | 27.24 | 1.074 |
| 1000 | 3.45 | 34.40 | 27.39 | 1.283 |
| 1250 | 2.98 | 34.47 | 27.49 | 1.466 |
| 1500 | 2.55 | 34.52 | 27.56 | 1.624 |
| 1515 | 2.49 | 34.52 | 27.57 | |

CAST RP-7-OC-116 DATE 18 SEP 73 TIME 0631 GMT
LAT 46 45.2N LONG 126 00.0W WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 216 T SPD 10 KT VISIBILITY 6
CLOUD X AMOUNT 9 DRY 15.9 WET 14.2 DEPTH 2583 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.31 | 32.24 | 23.89 | 0.000 |
| 3 | 14.91 | 32.24 | 23.89 | |
| 5 | 14.91 | 32.24 | 23.89 | .020 |
| 10 | 14.92 | 32.24 | 23.89 | .040 |
| 15 | 14.91 | 32.23 | 23.88 | .060 |
| 20 | 14.55 | 32.20 | 23.94 | .081 |
| 25 | 11.78 | 32.19 | 24.47 | .099 |
| 30 | 9.95 | 32.31 | 24.86 | .115 |
| 35 | 9.07 | 32.40 | 25.10 | .130 |
| 40 | 8.82 | 32.46 | 25.18 | .145 |
| 45 | 8.38 | 32.49 | 25.27 | .158 |
| 50 | 8.26 | 32.52 | 25.31 | .172 |
| 75 | 7.55 | 32.35 | 25.68 | .235 |
| 100 | 7.30 | 33.23 | 26.01 | .289 |
| 150 | 7.02 | 33.75 | 26.45 | .378 |
| 200 | 6.65 | 33.88 | 26.61 | .454 |
| 300 | 5.78 | 33.97 | 26.79 | .591 |
| 500 | 4.70 | 34.11 | 27.03 | .830 |
| 750 | 4.07 | 34.28 | 27.23 | 1.081 |
| 1000 | 3.43 | 34.40 | 27.39 | 1.291 |
| 1250 | 2.90 | 34.47 | 27.49 | 1.473 |
| 1500 | 2.49 | 34.52 | 27.57 | 1.634 |
| 1511 | 2.47 | 34.53 | 27.58 | |



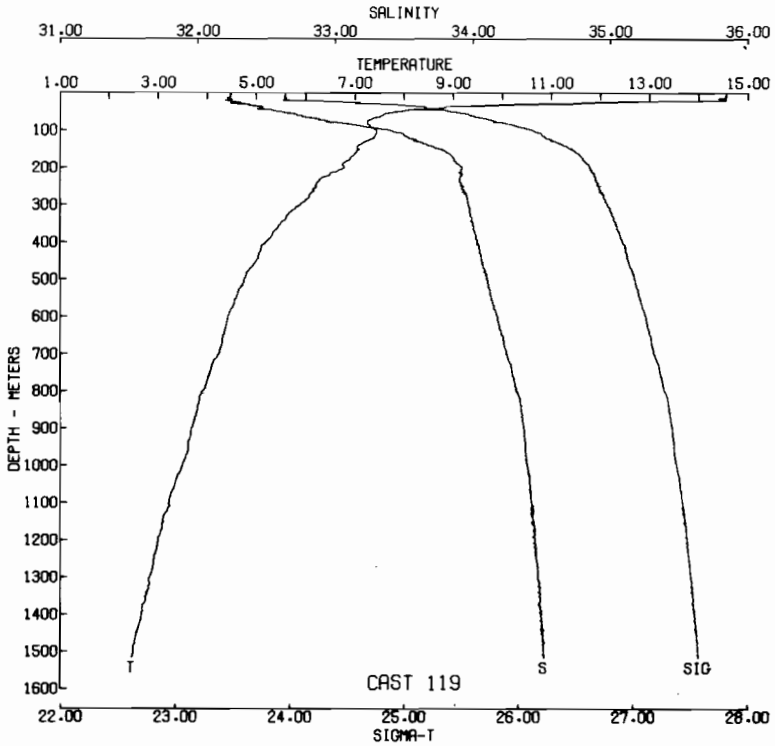



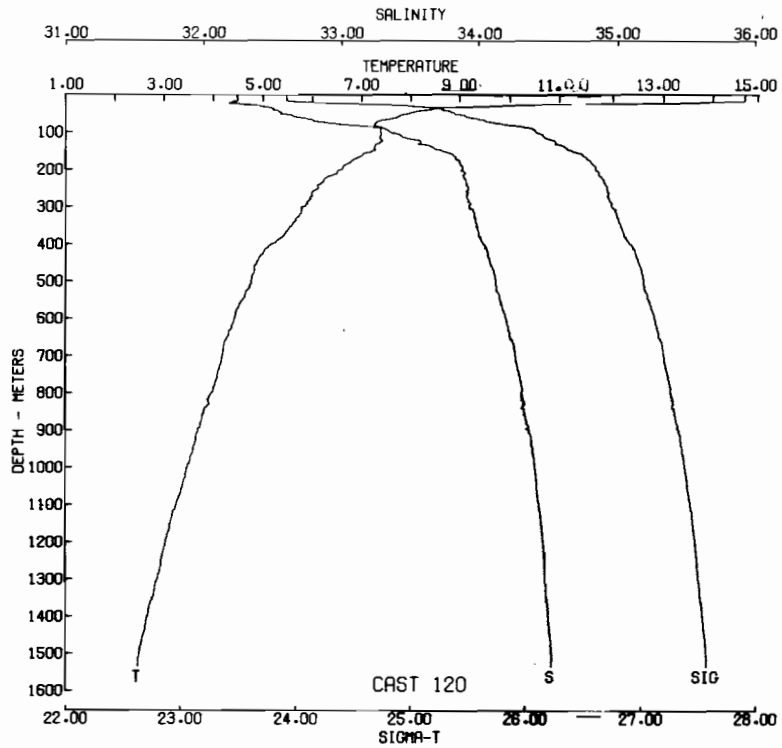

CAST RP-7-CC-117 DATE 18 SEP 73 TIME 0800 GMT
LAT 46 45.2N LONG 125 59.6W WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 210 T SPD 12 KT VISIBILITY 6
CLOUD X AMOUNT 9 DRY 15.5 WET 13.9 DEPTH 2583 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.88 | 32.25 | 23.90 | 0.000 |
| 3 | 14.88 | 32.24 | 23.90 | |
| 5 | 14.89 | 32.24 | 23.85 | .020 |
| 10 | 14.89 | 32.24 | 23.89 | .040 |
| 15 | 14.80 | 32.23 | 23.90 | .060 |
| 20 | 13.17 | 31.95 | 24.02 | .080 |
| 25 | 10.35 | 32.31 | 24.82 | .098 |
| 30 | 8.99 | 32.45 | 25.15 | .112 |
| 35 | 8.40 | 32.49 | 25.27 | .126 |
| 40 | 8.23 | 32.51 | 25.31 | .140 |
| 45 | 7.98 | 32.55 | 25.38 | .153 |
| 50 | 7.90 | 32.56 | 25.39 | .166 |
| 75 | 7.47 | 32.88 | 25.71 | .227 |
| 100 | 7.34 | 33.25 | 26.01 | .281 |
| 150 | 7.02 | 33.76 | 26.46 | .370 |
| 200 | 6.64 | 33.89 | 26.61 | .446 |
| 300 | 5.75 | 33.98 | 26.80 | .584 |
| 500 | 4.74 | 34.11 | 27.02 | .823 |
| 750 | 4.05 | 34.29 | 27.24 | 1.073 |
| 1000 | 3.46 | 34.41 | 27.39 | 1.281 |
| 1250 | 2.94 | 34.47 | 27.49 | 1.463 |
| 1500 | 2.49 | 34.52 | 27.57 | 1.625 |
| 1514 | 2.47 | 34.53 | 27.58 | |

CAST RP-7-CC-118 DATE 18 SEP 73 TIME 0930 GMT
LAT 46 45.8N LONG 126 00.5W WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 210 T SPD 12 KT VISIBILITY 5
CLOUD X AMOUNT 9 DRY 15.7 WET 13.8 DEPTH 2583 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.76 | 32.21 | 23.90 | 0.000 |
| 5 | 14.77 | 32.24 | 23.92 | .020 |
| 10 | 14.77 | 32.24 | 23.92 | .040 |
| 15 | 14.68 | 32.23 | 23.93 | .060 |
| 20 | 12.58 | 32.19 | 24.32 | .079 |
| 25 | 10.52 | 32.35 | 24.82 | .096 |
| 30 | 9.75 | 32.37 | 24.97 | .112 |
| 35 | 9.06 | 32.44 | 25.15 | .126 |
| 40 | 8.38 | 32.51 | 25.28 | .140 |
| 45 | 8.09 | 32.53 | 25.34 | .153 |
| 50 | 7.84 | 32.56 | 25.40 | .167 |
| 75 | 7.53 | 32.88 | 25.70 | .228 |
| 100 | 7.31 | 33.21 | 25.99 | .282 |
| 150 | 7.11 | 33.79 | 26.48 | .371 |
| 200 | 6.72 | 33.90 | 26.62 | .447 |
| 300 | 5.82 | 33.97 | 26.79 | .585 |
| 500 | 4.77 | 34.11 | 27.02 | .824 |
| 750 | 4.00 | 34.30 | 27.25 | 1.073 |
| 1000 | 3.43 | 34.41 | 27.40 | 1.281 |
| 1250 | 2.94 | 34.47 | 27.49 | 1.462 |
| 1500 | 2.48 | 34.52 | 27.57 | 1.624 |
| 1514 | 2.46 | 34.51 | 27.57 | |



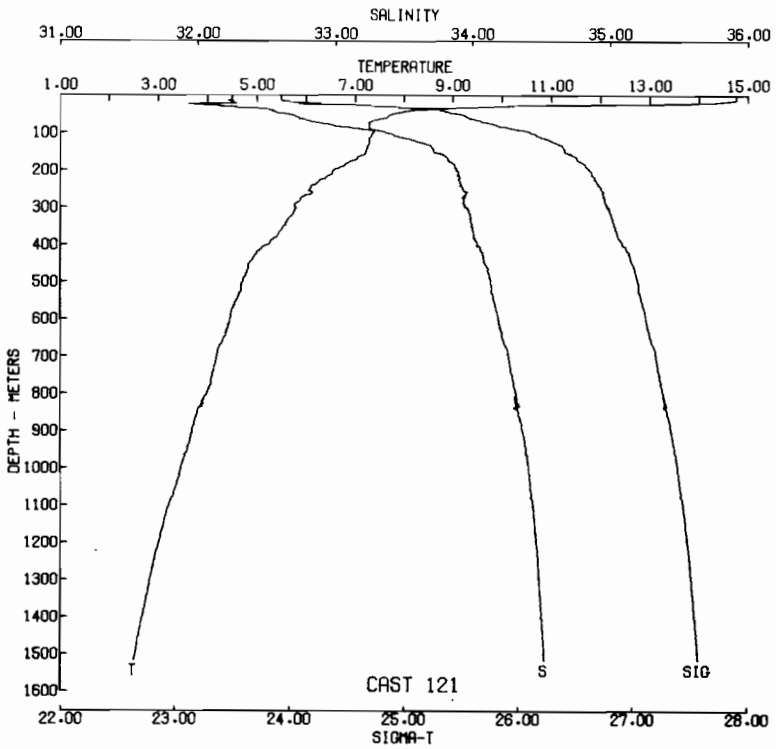



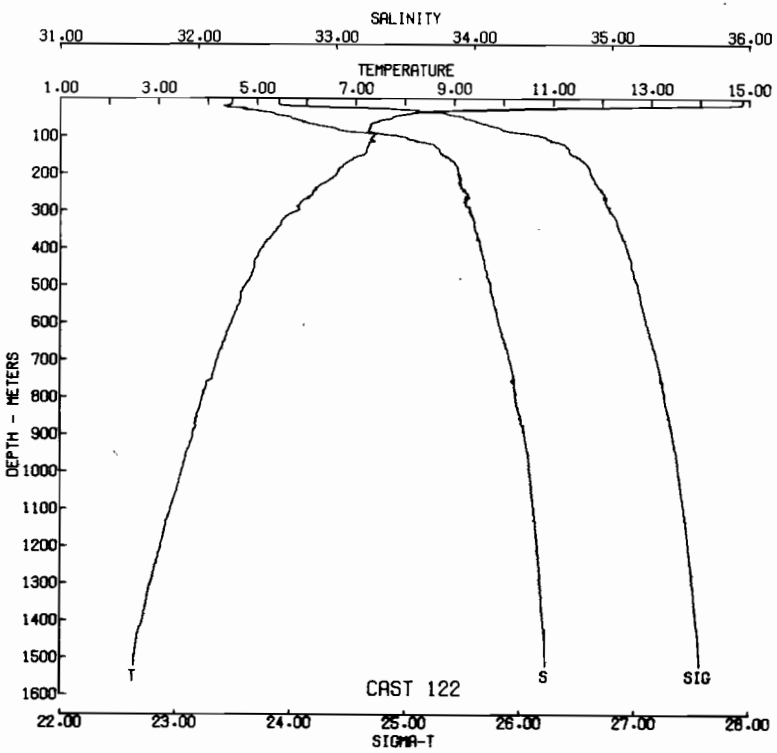

CAST RP-7-OC-119 DATE 18 SEP 73 TIME 1103 GMT
LAT 46 45.5N LONG 125 59.4W WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 203 T SPD 10 KT VISIBILITY 5
CLOUD X AMOUNT 9 DRY 15.4 WET 13.3 DEPTH 2579 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.56 | 32.20 | 23.93 | 0.000 |
| 5 | 14.57 | 32.24 | 23.96 | .020 |
| 10 | 14.57 | 32.24 | 23.96 | .040 |
| 15 | 14.40 | 32.22 | 23.98 | .059 |
| 20 | 14.55 | 32.24 | 23.96 | .079 |
| 25 | 11.80 | 32.25 | 24.50 | .098 |
| 30 | 10.46 | 32.27 | 24.77 | .114 |
| 35 | 9.30 | 32.42 | 25.06 | .130 |
| 40 | 8.80 | 32.46 | 25.18 | .144 |
| 45 | 8.12 | 32.52 | 25.33 | .157 |
| 50 | 7.90 | 32.58 | 25.41 | .171 |
| 75 | 7.26 | 32.33 | 25.78 | .230 |
| 100 | 7.44 | 33.40 | 26.16 | .282 |
| 150 | 7.06 | 33.77 | 26.47 | .370 |
| 200 | 6.76 | 33.92 | 26.66 | .446 |
| 300 | 5.88 | 33.97 | 26.77 | .589 |
| 500 | 4.74 | 34.10 | 27.02 | .825 |
| 750 | 4.04 | 34.29 | 27.24 | 1.077 |
| 1000 | 3.43 | 34.40 | 27.38 | 1.285 |
| 1250 | 2.91 | 34.47 | 27.49 | 1.466 |
| 1500 | 2.48 | 34.52 | 27.57 | 1.627 |
| 1515 | 2.45 | 34.52 | 27.57 | |

CAST RP-7-OC-120 DATE 18 SEP 73 TIME 1402 GMT
LAT 46 44.8N LONG 125 21.2W WEATHER 1 SEA STATE 4
BAROMETER 15 WIND DIR 233 T SPD 14 KT VISIBILITY 6
CLOUD 7 AMOUNT 5 DRY 15.0 WET 13.2 DEPTH 1949 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.78 | 32.24 | 23.92 | 0.000 |
| 5 | 14.79 | 32.24 | 23.92 | |
| 5 | 14.78 | 32.24 | 23.92 | .020 |
| 10 | 14.79 | 32.24 | 23.92 | .040 |
| 15 | 14.78 | 32.25 | 23.92 | .060 |
| 20 | 14.19 | 32.21 | 24.02 | .080 |
| 25 | 11.49 | 32.22 | 24.55 | .098 |
| 30 | 9.73 | 32.38 | 24.97 | .114 |
| 35 | 8.75 | 32.47 | 25.20 | .129 |
| 40 | 8.41 | 32.50 | 25.28 | .142 |
| 45 | 8.12 | 32.54 | 25.35 | .156 |
| 50 | 7.97 | 32.56 | 25.39 | .169 |
| 75 | 7.30 | 32.88 | 25.74 | .230 |
| 100 | 7.40 | 33.36 | 26.10 | .281 |
| 150 | 7.34 | 33.73 | 26.41 | .371 |
| 200 | 6.61 | 33.87 | 26.61 | .447 |
| 300 | 5.34 | 33.93 | 26.75 | .586 |
| 500 | 4.77 | 34.12 | 27.13 | .826 |
| 750 | 4.08 | 34.29 | 27.23 | 1.075 |
| 1000 | 3.47 | 34.40 | 27.38 | 1.286 |
| 1250 | 2.93 | 34.47 | 27.49 | 1.468 |
| 1500 | 2.49 | 34.52 | 27.57 | 1.623 |
| 1534 | 2.47 | 34.52 | 27.57 | |



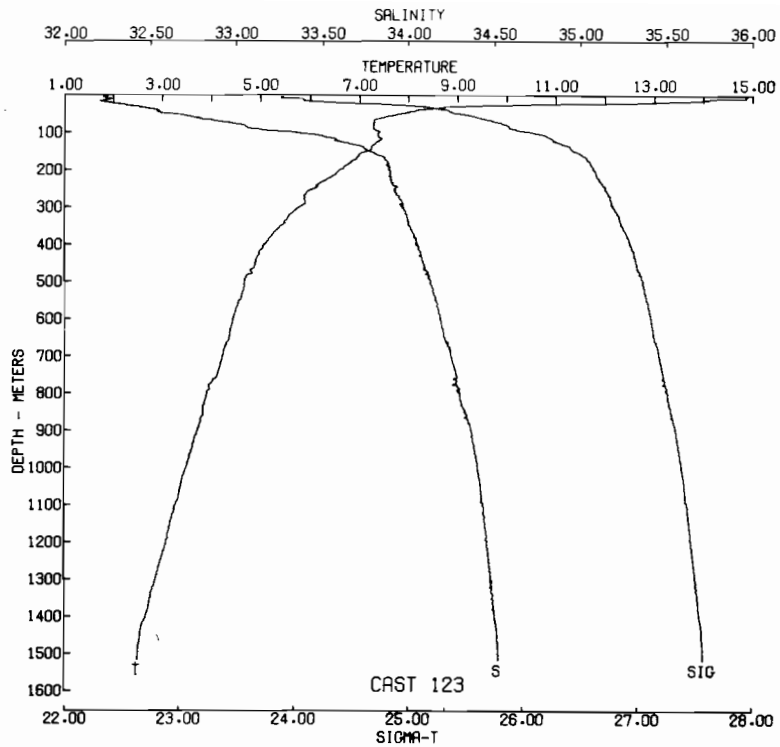



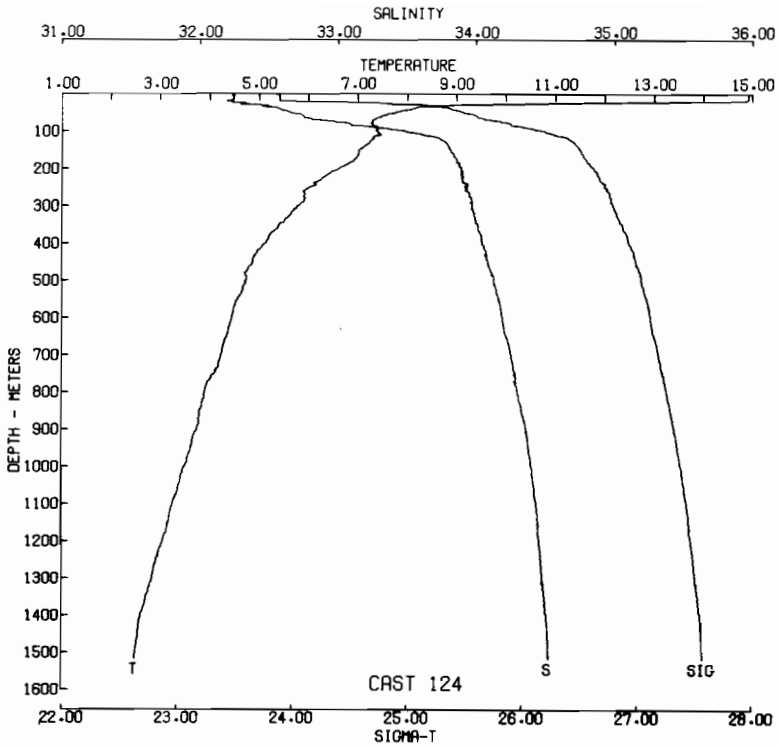

CAST RP-7-OC-121 DATE 18 SEP 73 TIME 1530 GMT
LAT 46 44.7N LONG 125 20.9W WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 195 T SPD 09 KT VISIBILITY 7
CLOUD 2 AMOUNT 3 DRY 15.5 WET 14.0 DEPTH 1948 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.75 | 32.22 | 23.91 | 0.000 |
| 5 | 14.76 | 32.25 | 23.93 | .020 |
| 10 | 14.77 | 32.25 | 23.92 | .040 |
| 15 | 14.72 | 32.24 | 23.93 | .060 |
| 20 | 14.28 | 32.26 | 24.03 | .080 |
| 25 | 12.03 | 31.38 | 24.66 | .098 |
| 30 | 10.12 | 32.16 | 24.74 | .115 |
| 35 | 8.93 | 32.36 | 25.06 | .131 |
| 40 | 8.34 | 32.52 | 25.36 | .145 |
| 45 | 7.98 | 32.56 | 25.38 | .158 |
| 50 | 7.80 | 32.64 | 25.47 | .171 |
| 75 | 7.27 | 32.90 | 25.75 | .231 |
| 100 | 7.37 | 33.36 | 26.16 | .283 |
| 150 | 7.22 | 33.72 | 26.40 | .371 |
| 200 | 6.57 | 33.88 | 26.62 | .449 |
| 300 | 5.76 | 34.35 | 26.78 | .586 |
| 500 | 4.72 | 34.13 | 27.64 | .829 |
| 750 | 4.09 | 34.29 | 27.25 | 1.074 |
| 1000 | 3.46 | 34.41 | 27.39 | 1.285 |
| 1250 | 2.91 | 34.43 | 27.50 | 1.465 |
| 1500 | 2.52 | 34.52 | 27.57 | 1.626 |
| 1519 | 2.50 | 34.52 | 27.57 | |

CAST RP-7-OC-122 DATE 18 SEP 73 TIME 1700 GMT
LAT 46 45.5N LONG 125 21.7W WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 186 T SPD 11 KT VISIBILITY 7
CLOUD 3 AMOUNT 7 DRY 16.0 WET 14.0 DEPTH 1961 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.87 | 32.25 | 23.90 | 0.000 |
| 4 | 14.87 | 32.24 | 23.90 | |
| 5 | 14.86 | 32.24 | 23.90 | .020 |
| 10 | 14.86 | 32.24 | 23.90 | .040 |
| 15 | 14.86 | 32.24 | 23.90 | .060 |
| 20 | 14.03 | 32.20 | 24.04 | .080 |
| 25 | 10.96 | 32.23 | 24.65 | .098 |
| 30 | 9.40 | 32.32 | 24.98 | .114 |
| 35 | 8.02 | 32.46 | 25.21 | .128 |
| 40 | 8.14 | 32.55 | 25.35 | .142 |
| 45 | 7.90 | 32.58 | 25.41 | .155 |
| 50 | 7.74 | 32.67 | 25.50 | .167 |
| 75 | 7.30 | 32.93 | 25.77 | .227 |
| 100 | 7.37 | 33.45 | 26.17 | .279 |
| 150 | 7.17 | 33.77 | 26.45 | .364 |
| 200 | 6.61 | 33.88 | 26.61 | .439 |
| 300 | 5.82 | 33.98 | 26.79 | .577 |
| 500 | 4.76 | 34.12 | 27.05 | .814 |
| 750 | 4.08 | 34.29 | 27.24 | 1.065 |
| 1000 | 3.46 | 34.40 | 27.39 | 1.275 |
| 1250 | 2.92 | 34.47 | 27.49 | 1.457 |
| 1500 | 2.50 | 34.52 | 27.57 | 1.618 |
| 1922 | 2.49 | 34.52 | 27.57 | |



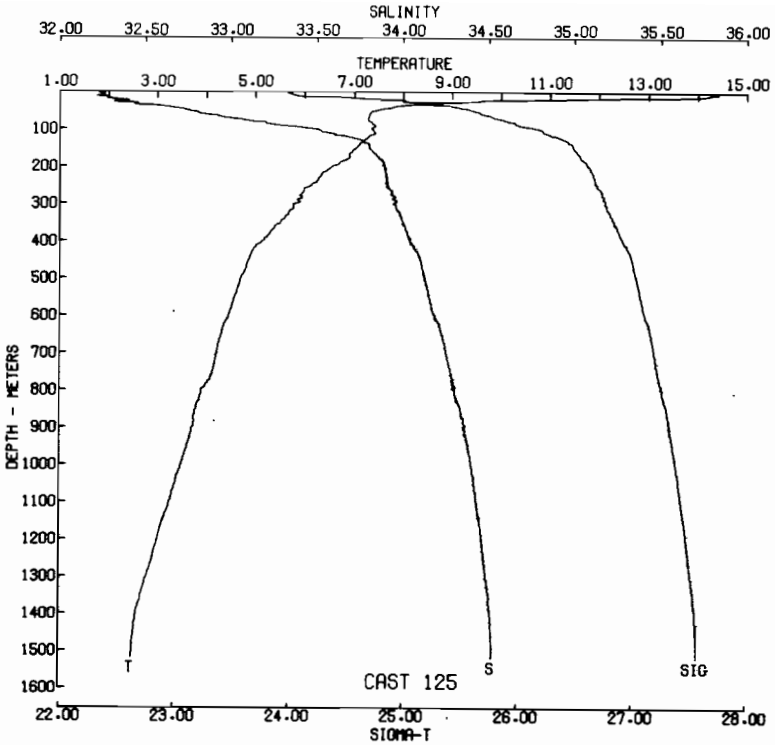



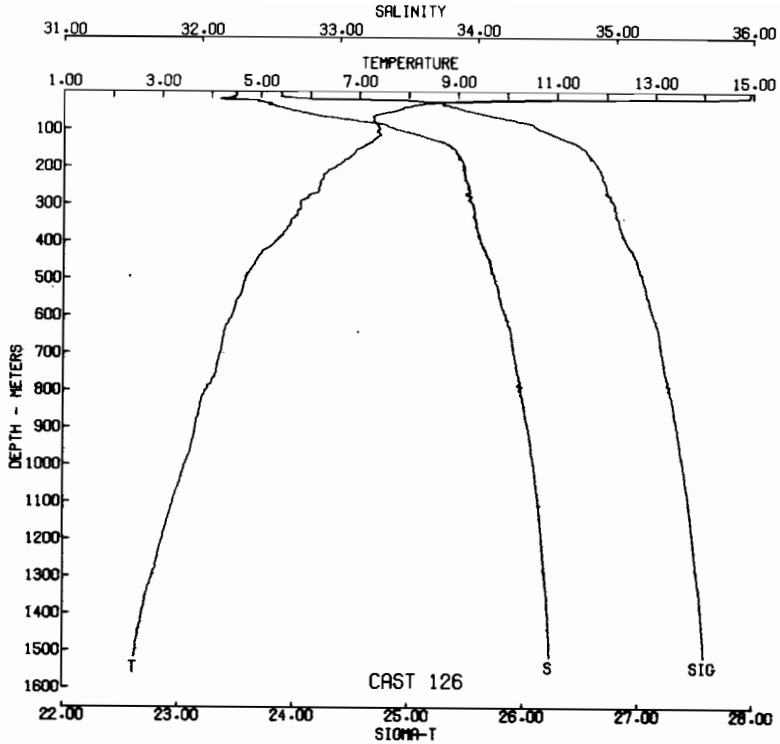

CAST RP-7-OC-123 DATE 18 SEP 73 TIME 1830 GMT
LAT 45 45.34 LONG 125 21.94 WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 189 T SPD 14 KT VISIBILITY 6
CLOUD 3 AMOUNT 7 DRY 15.9 WET 13.9 DEPTH 1970 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.94 | 32.23 | 23.86 | 0.000 |
| 4 | 14.88 | 32.25 | 23.90 | |
| 5 | 14.87 | 32.22 | 23.88 | .020 |
| 10 | 14.12 | 32.24 | 24.05 | .040 |
| 15 | 13.92 | 32.24 | 24.09 | .059 |
| 20 | 12.63 | 32.27 | 24.37 | .078 |
| 25 | 10.46 | 32.34 | 24.82 | .095 |
| 30 | 9.24 | 32.38 | 25.06 | .110 |
| 35 | 8.62 | 32.47 | 25.22 | .124 |
| 40 | 8.19 | 32.53 | 25.33 | .137 |
| 45 | 8.02 | 32.55 | 25.37 | .150 |
| 50 | 7.83 | 32.61 | 25.44 | .163 |
| 75 | 7.28 | 32.38 | 25.81 | .223 |
| 100 | 7.39 | 33.36 | 26.09 | .275 |
| 150 | 7.14 | 33.77 | 26.45 | .363 |
| 200 | 6.98 | 33.89 | 26.62 | .438 |
| 300 | 5.77 | 33.97 | 26.79 | .575 |
| 500 | 4.66 | 34.13 | 27.05 | .811 |
| 750 | 4.12 | 34.28 | 27.22 | 1.061 |
| 1000 | 3.48 | 34.40 | 27.39 | 1.272 |
| 1250 | 2.95 | 34.47 | 27.49 | 1.454 |
| 1500 | 2.50 | 34.52 | 27.57 | 1.615 |
| 1515 | 2.49 | 34.52 | 27.57 | |

CAST RP-7-OC-124 DATE 18 SEP 73 TIME 2002 GMT
LAT 45 45.44 LONG 125 22.8W WEATHER 1 SEA STATE 4
BAROMETER 15 WIND DIR 190 T SPD 14 KT VISIBILITY 5
CLOUD 3 AMOUNT 7 DRY 16.1 WET 14.1 DEPTH 1977 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.92 | 32.22 | 23.87 | 0.000 |
| 1 | 14.92 | 32.20 | 23.86 | |
| 5 | 14.92 | 32.24 | 23.89 | .020 |
| 10 | 14.32 | 32.24 | 23.89 | .040 |
| 15 | 14.31 | 32.24 | 23.89 | .060 |
| 20 | 14.32 | 32.19 | 23.97 | .081 |
| 25 | 10.74 | 32.33 | 24.77 | .098 |
| 30 | 8.96 | 32.43 | 25.14 | .113 |
| 35 | 8.24 | 32.47 | 25.28 | .127 |
| 40 | 8.11 | 32.57 | 25.37 | .141 |
| 45 | 7.90 | 32.62 | 25.44 | .154 |
| 50 | 7.76 | 32.65 | 25.49 | .166 |
| 75 | 7.29 | 32.98 | 25.81 | .225 |
| 100 | 7.38 | 33.49 | 26.20 | .276 |
| 150 | 7.02 | 33.81 | 26.50 | .359 |
| 200 | 6.00 | 33.89 | 26.62 | .435 |
| 300 | 5.78 | 33.97 | 26.79 | .572 |
| 500 | 4.73 | 34.12 | 27.03 | .808 |
| 750 | 4.03 | 34.28 | 27.23 | 1.053 |
| 1000 | 3.43 | 34.40 | 27.38 | 1.270 |
| 1250 | 2.91 | 34.47 | 27.49 | 1.452 |
| 1500 | 2.50 | 34.52 | 27.57 | 1.611 |
| 1515 | 2.48 | 34.52 | 27.57 | |



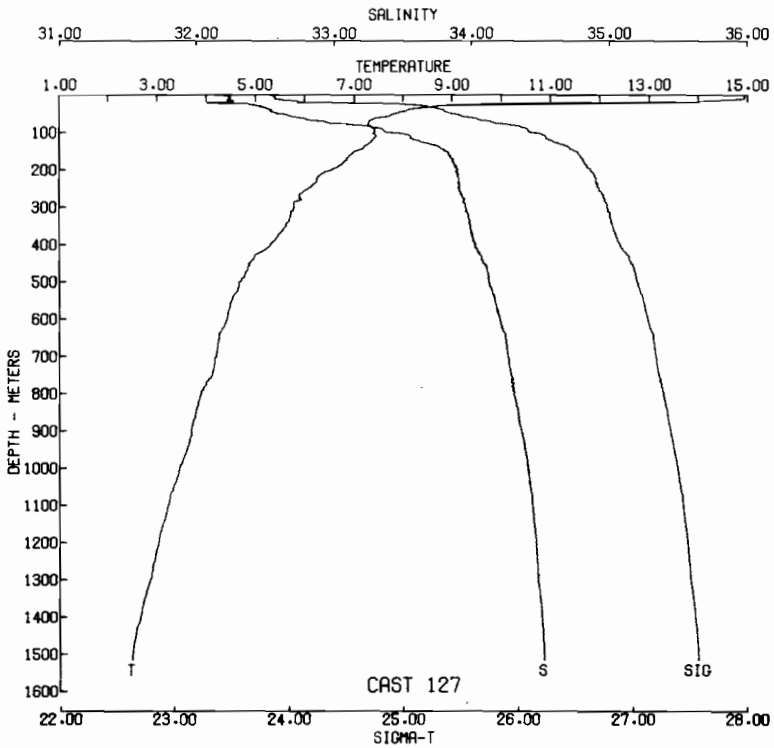



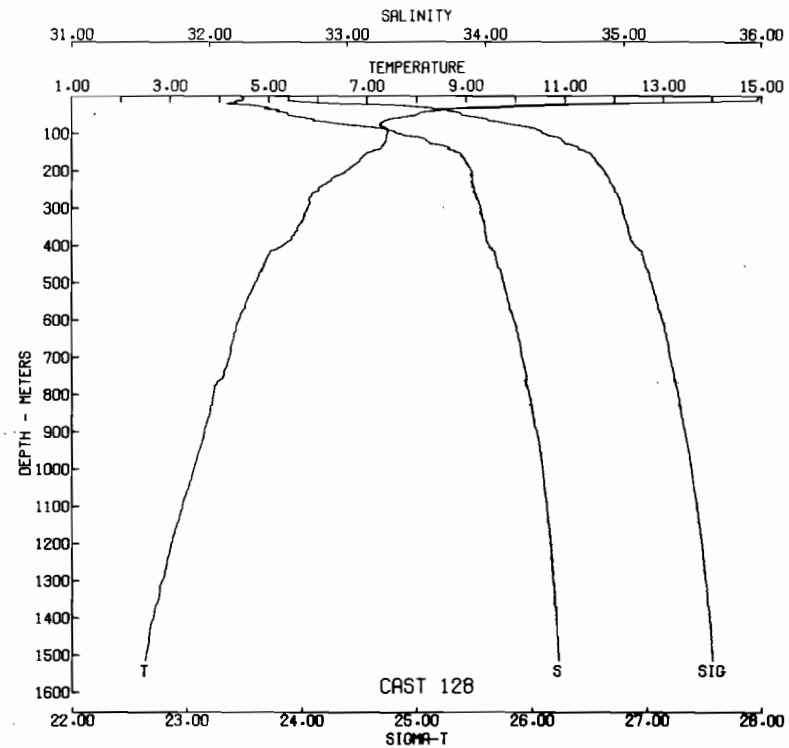

CAST RP-7-CC-125 DATE 18 SEP 73 TIME 2129 GMT
LAT 46 45.2N LONG 125 21.3W WEATHER 1 SEA STATE 4
BAROMETER 15 WIND DIR 190 T SPD 12 KT VISIBILITY 5
CLOUD 3 AMOUNT 7 DRY 16.2 WET 13.9 DEPTH 1962 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.56 | 32.24 | 23.96 | 0.000 |
| 3 | 14.30 | 32.23 | 24.00 | |
| 5 | 14.41 | 32.25 | 24.00 | .020 |
| 10 | 14.16 | 32.26 | 24.06 | .039 |
| 15 | 12.35 | 32.28 | 24.44 | .058 |
| 20 | 10.62 | 32.33 | 24.79 | .075 |
| 25 | 9.52 | 32.40 | 25.02 | .090 |
| 30 | 8.72 | 32.45 | 25.19 | .104 |
| 35 | 8.14 | 32.46 | 25.28 | .118 |
| 40 | 7.84 | 32.62 | 25.45 | .131 |
| 45 | 7.62 | 32.71 | 25.55 | .144 |
| 50 | 7.46 | 32.76 | 25.62 | .156 |
| 75 | 7.28 | 33.07 | 25.89 | .213 |
| 100 | 7.36 | 33.50 | 26.21 | .263 |
| 150 | 7.03 | 33.81 | 26.50 | .346 |
| 200 | 6.53 | 33.89 | 26.63 | .422 |
| 300 | 5.78 | 33.94 | 26.76 | .560 |
| 500 | 4.70 | 34.13 | 27.04 | .797 |
| 750 | 4.12 | 34.28 | 27.22 | 1.046 |
| 1000 | 3.43 | 34.40 | 27.38 | 1.257 |
| 1250 | 2.91 | 34.48 | 27.50 | 1.449 |
| 1500 | 2.49 | 34.52 | 27.57 | 1.597 |
| 1917 | 2.48 | 34.52 | 27.57 | |

CAST RP-7-CC-126 DATE 18 SEP 73 TIME 2303 GMT
LAT 46 44.8N LONG 125 21.7W WEATHER 1 SEA STATE 4
BAROMETER 15 WIND DIR 169 T SPD 14 KT VISIBILITY 6
CLOUD 3 AMOUNT 7 DRY 15.9 WET 14.1 DEPTH 1953 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.92 | 32.23 | 23.88 | 0.000 |
| 5 | 14.93 | 32.25 | 23.89 | .020 |
| 10 | 14.93 | 32.25 | 23.89 | .040 |
| 15 | 14.86 | 32.22 | 23.88 | .060 |
| 20 | 13.28 | 32.13 | 24.14 | .080 |
| 25 | 9.43 | 32.42 | 25.05 | .096 |
| 30 | 8.66 | 32.45 | 25.20 | .111 |
| 35 | 8.25 | 32.50 | 25.30 | .124 |
| 40 | 8.05 | 32.53 | 25.35 | .138 |
| 45 | 7.88 | 32.59 | 25.43 | .150 |
| 50 | 7.78 | 32.65 | 25.48 | .163 |
| 75 | 7.29 | 33.08 | 25.89 | .222 |
| 100 | 7.40 | 33.40 | 26.12 | .271 |
| 150 | 7.04 | 33.80 | 26.49 | .357 |
| 200 | 6.52 | 33.89 | 26.63 | .432 |
| 300 | 5.80 | 33.96 | 26.78 | .570 |
| 500 | 4.70 | 34.12 | 27.04 | .812 |
| 750 | 4.09 | 34.29 | 27.23 | 1.059 |
| 1000 | 3.45 | 34.41 | 27.39 | 1.268 |
| 1250 | 2.91 | 34.47 | 27.50 | 1.449 |
| 1500 | 2.47 | 34.52 | 27.57 | 1.607 |
| 1917 | 2.45 | 34.53 | 27.58 | |



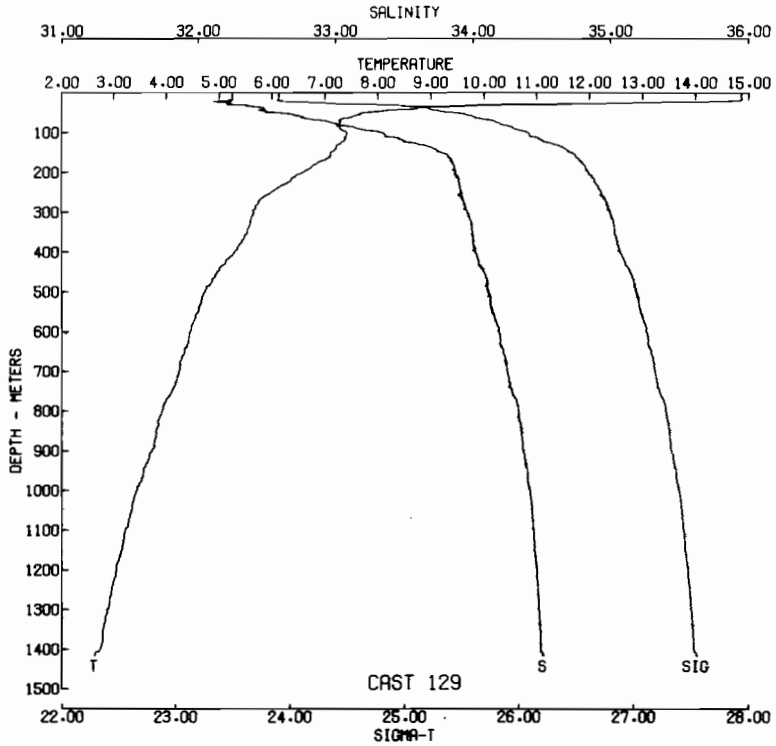



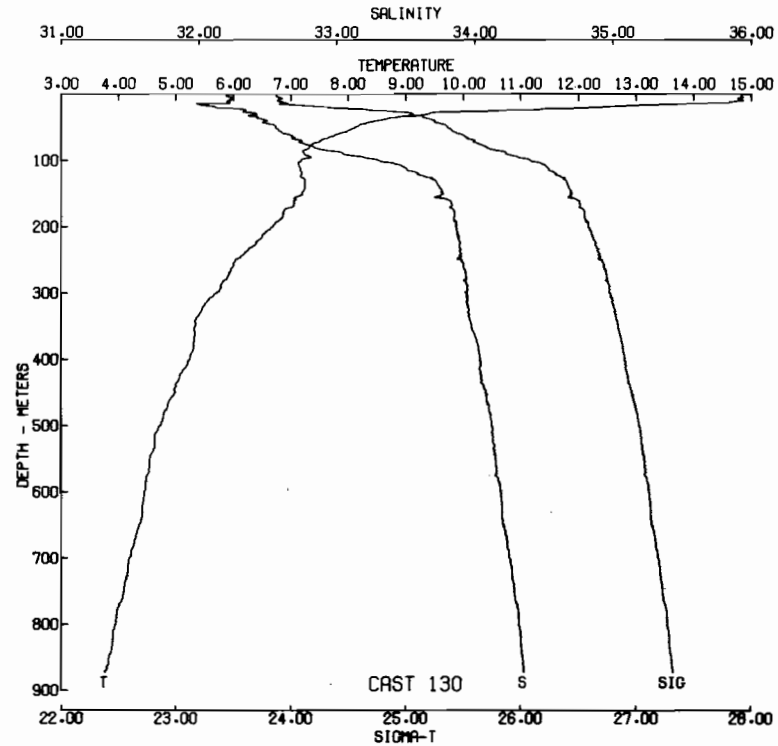

CAST RP-7-OC-127 DATE 19 SEP 73 TIME 0030 GMT
LAT 46 45.2N LONG 125 21.5W WEATHER 1 SEA STATE 4
BAROMETER 15 WIND DIR 157 T SPD 12 KT VISIBILITY 6
CLOUD 3 AMOUNT 7 DRY 15.4 WET 13.9 DEPTH 1952 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.94 | 32.21 | 23.86 | 0.000 |
| 1 | 14.94 | 32.20 | 23.85 | |
| 5 | 14.94 | 32.24 | 23.88 | .020 |
| 10 | 14.94 | 32.24 | 23.88 | .040 |
| 15 | 14.37 | 32.25 | 24.01 | .060 |
| 20 | 13.49 | 32.11 | 24.08 | .080 |
| 25 | 9.63 | 32.39 | 25.00 | .096 |
| 30 | 8.70 | 32.47 | 25.21 | .110 |
| 35 | 8.35 | 32.50 | 25.29 | .124 |
| 40 | 8.10 | 32.55 | 25.36 | .137 |
| 45 | 7.96 | 32.54 | 25.37 | .151 |
| 50 | 7.84 | 32.58 | 25.42 | .164 |
| 75 | 7.29 | 32.96 | 25.80 | .223 |
| 100 | 7.40 | 33.40 | 26.12 | .273 |
| 150 | 7.02 | 33.81 | 26.50 | .353 |
| 200 | 6.54 | 33.89 | 26.63 | .434 |
| 300 | 5.77 | 33.95 | 26.78 | .571 |
| 500 | 4.63 | 34.12 | 27.04 | .812 |
| 750 | 4.11 | 34.29 | 27.23 | 1.059 |
| 1000 | 3.44 | 34.41 | 27.39 | 1.268 |
| 1250 | 2.94 | 34.47 | 27.49 | 1.448 |
| 1500 | 2.45 | 34.52 | 27.57 | 1.608 |
| 1515 | 2.48 | 34.53 | 27.57 | |

CAST RP-7-OC-128 DATE 19 SEP 73 TIME 0201 GMT
LAT 46 45.6N LONG 125 21.2W WEATHER 6 SEA STATE 4
BAROMETER 14 WIND DIR 198 T SPD 10 KT VISIBILITY 5
CLOUD X AMOUNT 9 DRY 15.0 WET 14.0 DEPTH 1953 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.94 | 32.22 | 23.87 | 0.000 |
| 5 | 14.93 | 32.24 | 23.89 | .020 |
| 10 | 14.91 | 32.24 | 23.89 | .040 |
| 15 | 14.34 | 32.18 | 23.96 | .060 |
| 20 | 12.47 | 32.12 | 24.29 | .079 |
| 25 | 10.15 | 32.31 | 24.85 | .096 |
| 30 | 9.37 | 32.41 | 25.06 | .111 |
| 35 | 8.63 | 32.45 | 25.21 | .125 |
| 40 | 8.39 | 32.49 | 25.27 | .139 |
| 45 | 8.07 | 32.56 | 25.37 | .152 |
| 50 | 7.99 | 32.57 | 25.39 | .165 |
| 75 | 7.27 | 32.98 | 25.81 | .226 |
| 100 | 7.41 | 33.38 | 26.11 | .276 |
| 150 | 7.04 | 33.79 | 26.48 | .364 |
| 200 | 6.57 | 33.90 | 26.63 | .439 |
| 300 | 5.78 | 33.96 | 26.76 | .576 |
| 500 | 4.71 | 34.13 | 27.04 | .816 |
| 750 | 4.08 | 34.30 | 27.24 | 1.062 |
| 1000 | 3.47 | 34.41 | 27.39 | 1.271 |
| 1250 | 2.93 | 34.48 | 27.50 | 1.452 |
| 1500 | 2.50 | 34.52 | 27.57 | 1.612 |
| 1514 | 2.49 | 34.53 | 27.57 | |



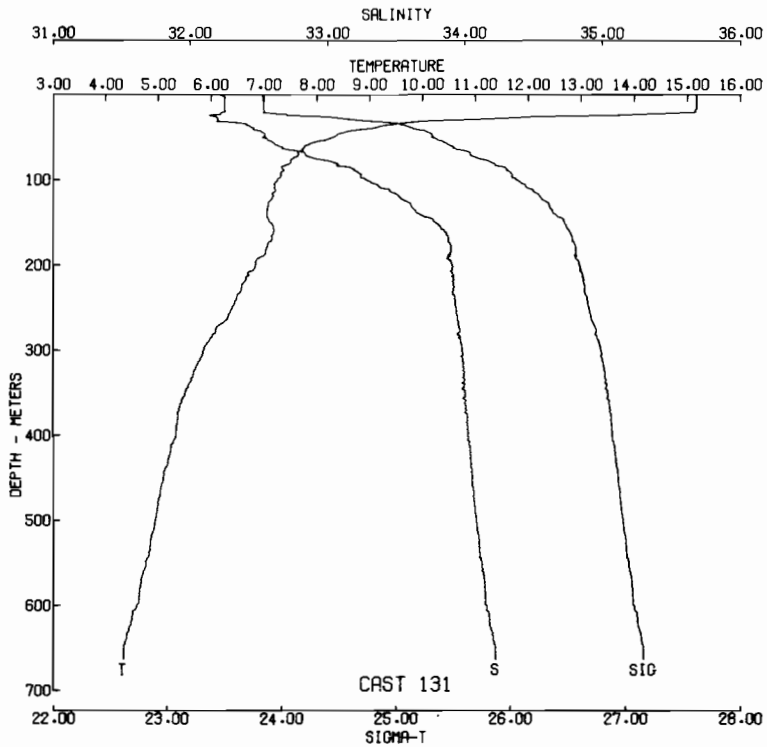



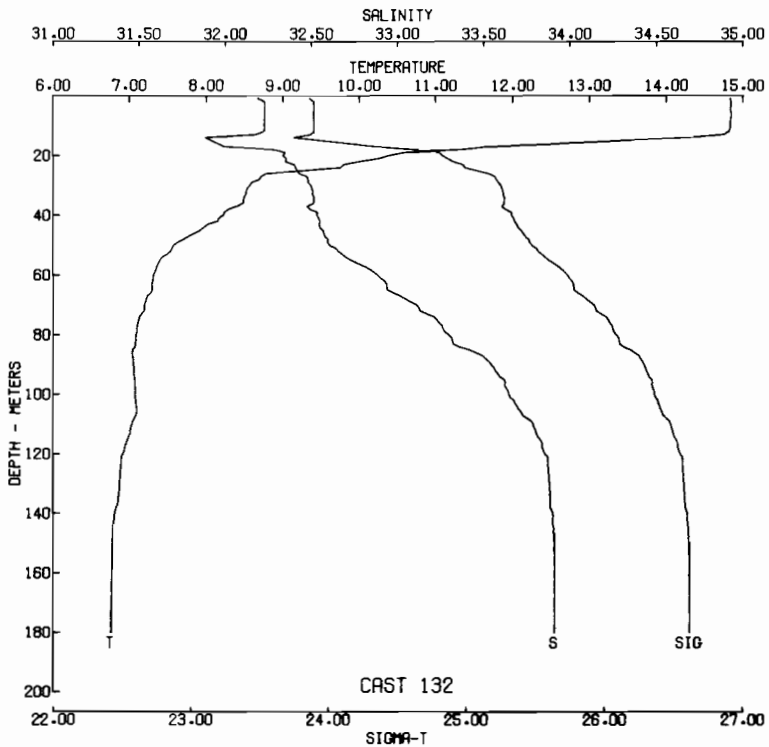

CAST RP-7-OC-129 DATE 19 SEP 73 TIME 0334 GMT
LAT 46 45.5N LONG 125 17.2W WEATHER 5 SEA STATE 4
BAROMETER 13 WIND DIR 150 T SPD 06 KT VISIBILITY 5
CLOUD X AMOUNT 9 DRY 15.8 WET 14.5 DEPTH 1419 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.86 | 32.25 | 23.90 | 0.000 |
| 4 | 14.86 | 32.25 | 23.90 | |
| 5 | 14.87 | 32.25 | 23.90 | .020 |
| 10 | 14.87 | 32.25 | 23.90 | .040 |
| 15 | 14.87 | 32.25 | 23.90 | .060 |
| 20 | 14.83 | 32.22 | 23.89 | .080 |
| 25 | 12.98 | 32.23 | 24.28 | .100 |
| 30 | 10.44 | 32.21 | 24.73 | .117 |
| 35 | 9.14 | 32.39 | 25.08 | .132 |
| 40 | 8.72 | 32.48 | 25.21 | .146 |
| 45 | 8.14 | 32.49 | 25.31 | .160 |
| 50 | 7.73 | 32.55 | 25.42 | .173 |
| 75 | 7.28 | 32.38 | 25.81 | .233 |
| 100 | 7.40 | 33.34 | 26.08 | .285 |
| 150 | 7.11 | 33.77 | 26.46 | .374 |
| 200 | 6.57 | 33.87 | 26.61 | .450 |
| 300 | 5.95 | 33.96 | 26.80 | .587 |
| 500 | 4.72 | 34.11 | 27.02 | .828 |
| 750 | 4.11 | 34.28 | 27.23 | 1.073 |
| 1000 | 3.43 | 34.41 | 27.40 | 1.287 |
| 1250 | 2.96 | 34.47 | 27.49 | 1.467 |
| 1416 | 2.62 | 34.51 | 27.55 | |

CAST RP-7-OC-130 DATE 19 SEP 73 TIME 0511 GMT
LAT 46 45.3N LONG 125 09.4W WEATHER 5 SEA STATE 4
BAROMETER 12 WIND DIR 132 T SPD 16 KT VISIBILITY 5
CLOUD X AMOUNT 9 DRY 15.5 WET 14.3 DEPTH 0879 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.92 | 32.17 | 23.83 | 0.000 |
| 3 | 14.83 | 32.20 | 23.87 | |
| 5 | 14.86 | 32.24 | 23.90 | .020 |
| 10 | 14.87 | 32.22 | 23.88 | .040 |
| 15 | 13.93 | 31.98 | 23.89 | .060 |
| 20 | 12.29 | 32.12 | 24.32 | .079 |
| 25 | 10.78 | 32.33 | 24.76 | .096 |
| 30 | 9.40 | 32.42 | 25.06 | .111 |
| 35 | 8.85 | 32.43 | 25.15 | .126 |
| 40 | 8.52 | 32.50 | 25.26 | .140 |
| 45 | 8.23 | 32.51 | 25.31 | .153 |
| 50 | 8.12 | 32.55 | 25.36 | .166 |
| 75 | 7.37 | 32.77 | 25.63 | .229 |
| 100 | 7.17 | 33.31 | 26.09 | .284 |
| 150 | 7.19 | 33.77 | 26.44 | .370 |
| 200 | 6.67 | 33.87 | 26.59 | .447 |
| 300 | 5.69 | 33.95 | 26.78 | .595 |
| 500 | 4.72 | 34.12 | 27.04 | .824 |
| 750 | 4.09 | 34.29 | 27.23 | 1.074 |
| 872 | 3.76 | 34.36 | 27.32 | |



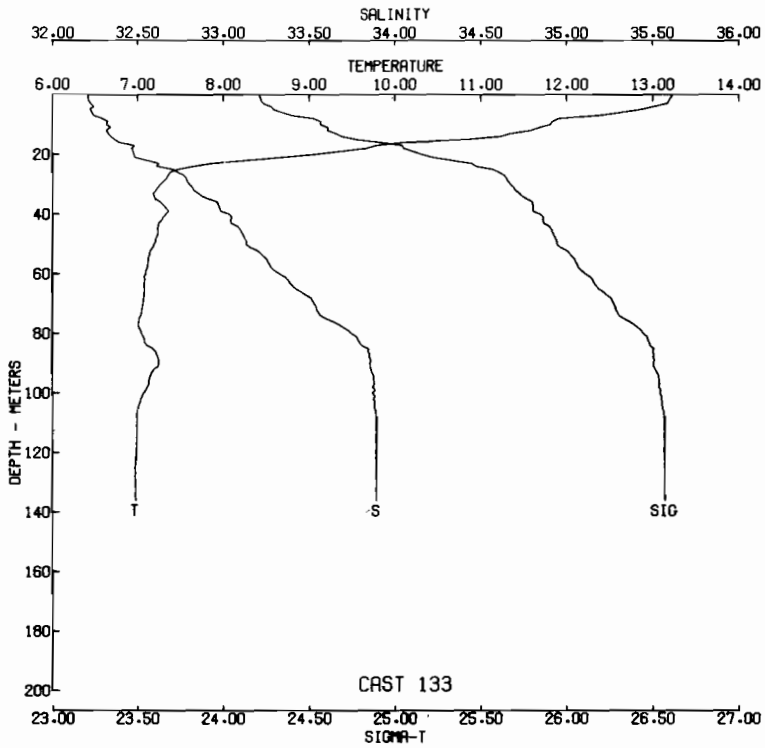



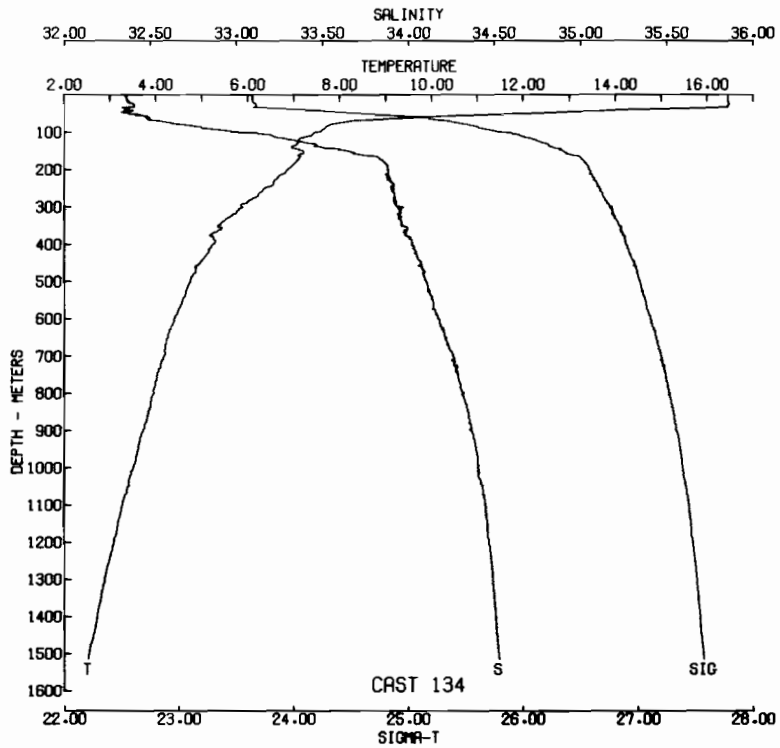

CAST RP-7-OC-131 DATE 19 SEP 73 TIME 0646 GMT
LAT 46 45.2N LONG 124 59.0W WEATHER 5 SEA STATE 4
BAROMETER 11 WIND DIR 140 T SPD 16 KT VISIBILITY 4
CLOUD X AMOUNT 9 DRY 15.0 WET 14.1 DEPTH 0668 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.17 | 32.22 | 23.82 | 0.000 |
| 5 | 15.17 | 32.25 | 23.84 | .020 |
| 10 | 15.17 | 32.25 | 23.84 | .041 |
| 15 | 15.17 | 32.25 | 23.84 | .061 |
| 20 | 15.16 | 32.25 | 23.84 | .082 |
| 25 | 12.97 | 32.16 | 24.23 | .101 |
| 30 | 10.63 | 32.20 | 24.68 | .119 |
| 35 | 9.43 | 32.41 | 25.04 | .134 |
| 40 | 9.00 | 32.46 | 25.15 | .148 |
| 45 | 8.42 | 32.49 | 25.30 | .162 |
| 50 | 8.28 | 32.53 | 25.31 | .175 |
| 75 | 7.53 | 32.92 | 25.73 | .237 |
| 100 | 7.24 | 33.29 | 26.06 | .289 |
| 150 | 7.13 | 33.79 | 26.47 | .377 |
| 200 | 6.83 | 33.91 | 26.60 | .454 |
| 300 | 5.85 | 33.98 | 26.79 | .593 |
| 500 | 4.94 | 34.08 | 26.95 | .836 |
| 565 | 4.33 | 34.23 | 27.16 | |

CAST RP-7-OC-132 DATE 19 SEP 73 TIME 0814 GMT
LAT 46 45.1N LONG 124 48.5W WEATHER 5 SEA STATE 4
BAROMETER 11 WIND DIR 140 T SPD 16 KT VISIBILITY 4
CLOUD X AMOUNT 9 DRY 14.5 WET 13.8 DEPTH 0184 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.84 | 32.20 | 23.88 | 0.000 |
| 1 | 14.84 | 32.19 | 23.86 | |
| 5 | 14.84 | 32.23 | 23.89 | .020 |
| 10 | 14.84 | 32.22 | 23.89 | .040 |
| 15 | 13.40 | 31.92 | 23.95 | .060 |
| 20 | 10.39 | 32.34 | 24.83 | .078 |
| 25 | 9.27 | 32.42 | 25.08 | .093 |
| 30 | 8.57 | 32.50 | 25.25 | .107 |
| 35 | 8.49 | 32.52 | 25.28 | .121 |
| 40 | 8.22 | 32.53 | 25.33 | .134 |
| 45 | 7.92 | 32.57 | 25.40 | .147 |
| 50 | 7.58 | 32.61 | 25.48 | .160 |
| 75 | 7.12 | 33.23 | 26.03 | .216 |
| 100 | 7.07 | 33.65 | 26.37 | .262 |
| 150 | 6.78 | 33.91 | 26.61 | .338 |
| 180 | 6.75 | 33.91 | 26.62 | |



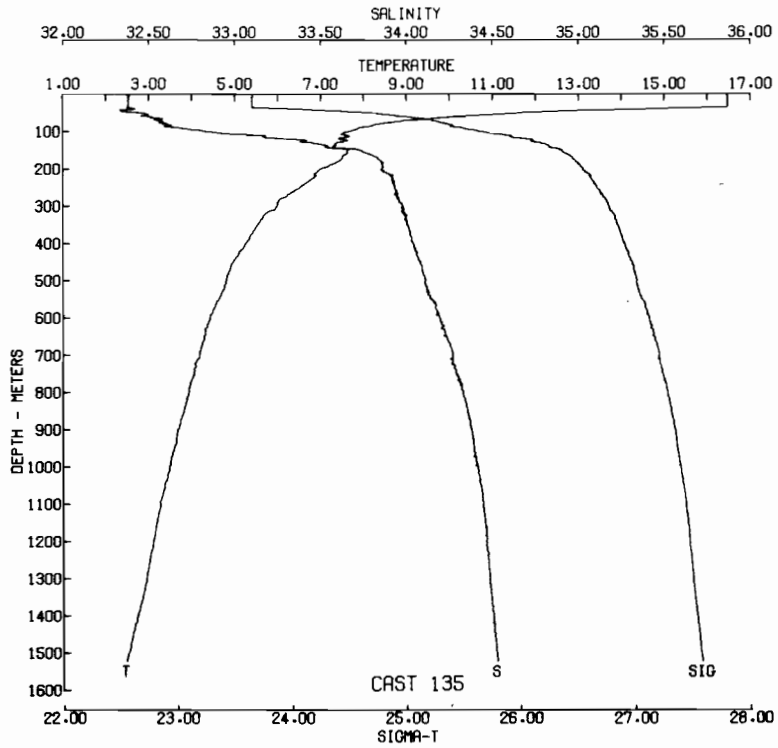



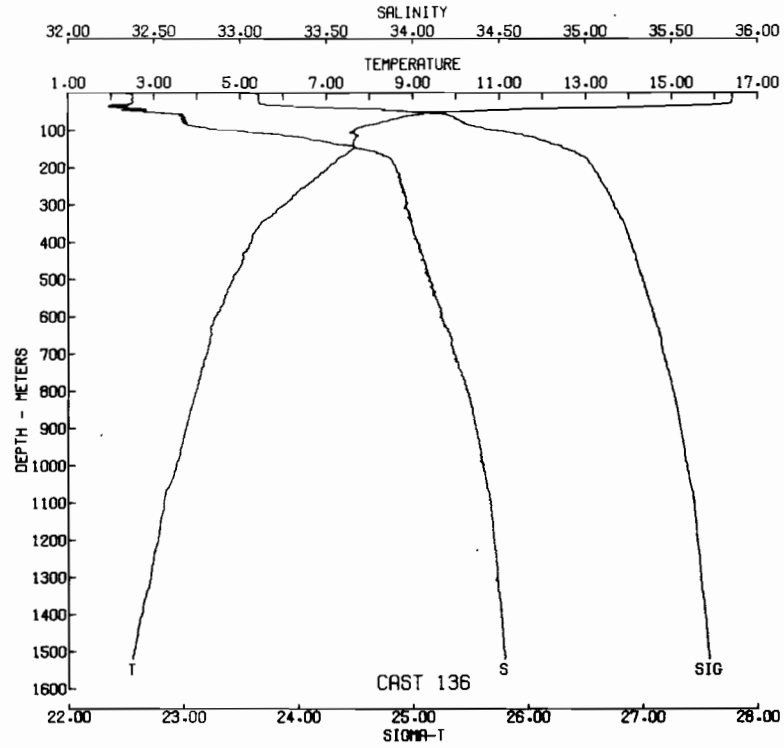

CAST RP-7-CC-133 DATE 19 SEP 73 TIME 0912 GMT
LAT 46 44.9N LONG 124 40.8W WEATHER 6 SEA STATE 4
BAROMETER 10 WIND DIR 140 T SPD 13 KT VISIBILITY 3
CLOUD X AMOUNT 9 DRY 13.5 WET 13.1 DEPTH 0139 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 13.24 | 32.21 | 24.21 | 0.000 |
| 5 | 12.47 | 32.22 | 24.29 | .018 |
| 10 | 11.81 | 32.32 | 24.57 | .036 |
| 15 | 10.83 | 32.36 | 24.78 | .052 |
| 20 | 9.06 | 32.48 | 25.16 | .067 |
| 25 | 7.47 | 32.71 | 25.57 | .083 |
| 30 | 7.27 | 32.80 | 25.68 | .092 |
| 35 | 7.21 | 32.92 | 25.77 | .104 |
| 40 | 7.33 | 33.03 | 25.85 | .115 |
| 45 | 7.23 | 33.10 | 25.91 | .125 |
| 50 | 7.20 | 33.13 | 25.94 | .136 |
| 75 | 7.02 | 33.60 | 26.33 | .183 |
| 100 | 7.07 | 33.87 | 26.54 | .222 |
| 136 | 6.98 | 33.89 | 26.57 | |

CAST RP-7-CC-134 DATE 19 SEP 73 TIME 1308 GMT
LAT 46 12.3N LONG 125 32.5W WEATHER 6 SEA STATE 4
BAROMETER 02 WIND DIR 119 T SPD 25 KT VISIBILITY 4
CLOUD X AMOUNT 9 DRY 13.6 WET 13.0 DEPTH 1185 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.45 | 32.36 | 23.64 | 0.000 |
| 2 | 16.46 | 32.35 | 23.63 | |
| 5 | 16.47 | 32.36 | 23.64 | .021 |
| 10 | 16.47 | 32.36 | 23.64 | .043 |
| 15 | 16.46 | 32.36 | 23.64 | .064 |
| 20 | 16.47 | 32.37 | 23.65 | .085 |
| 25 | 16.49 | 32.41 | 23.67 | .107 |
| 30 | 16.47 | 32.41 | 23.67 | .128 |
| 35 | 16.05 | 32.35 | 23.72 | .149 |
| 40 | 14.33 | 32.35 | 24.10 | .169 |
| 45 | 13.30 | 32.35 | 24.30 | .188 |
| 50 | 12.02 | 32.37 | 24.57 | .205 |
| 75 | 7.98 | 32.63 | 25.44 | .277 |
| 100 | 7.48 | 33.04 | 25.84 | .337 |
| 150 | 7.19 | 33.64 | 26.34 | .433 |
| 200 | 6.86 | 33.88 | 26.58 | .511 |
| 300 | 5.89 | 33.97 | 26.78 | .653 |
| 500 | 4.75 | 34.11 | 27.02 | .895 |
| 750 | 4.03 | 34.29 | 27.24 | 1.145 |
| 1000 | 3.50 | 34.41 | 27.39 | 1.354 |
| 1250 | 2.98 | 34.48 | 27.50 | 1.535 |
| 1500 | 2.54 | 34.53 | 27.57 | 1.696 |
| 1513 | 2.52 | 34.53 | 27.57 | |



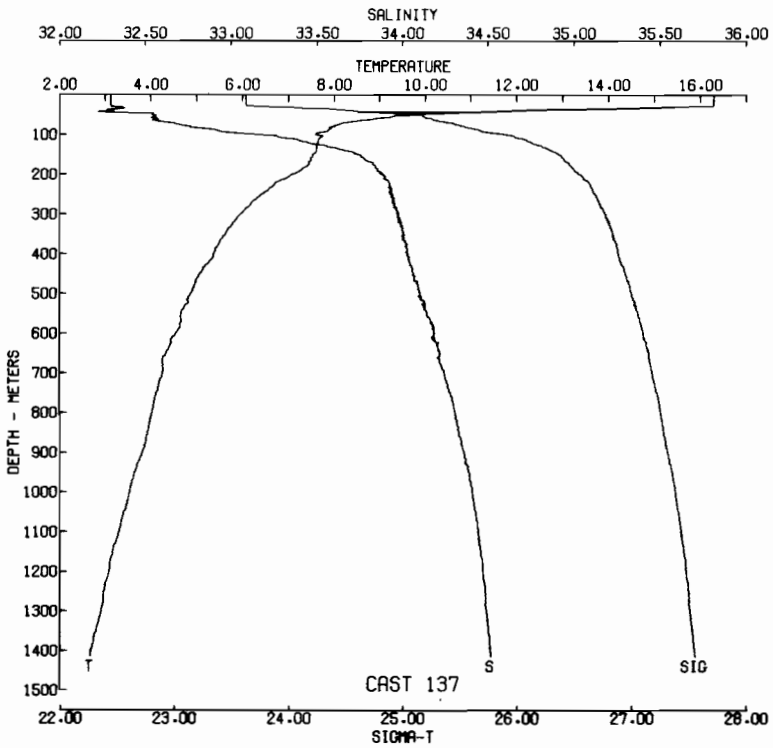



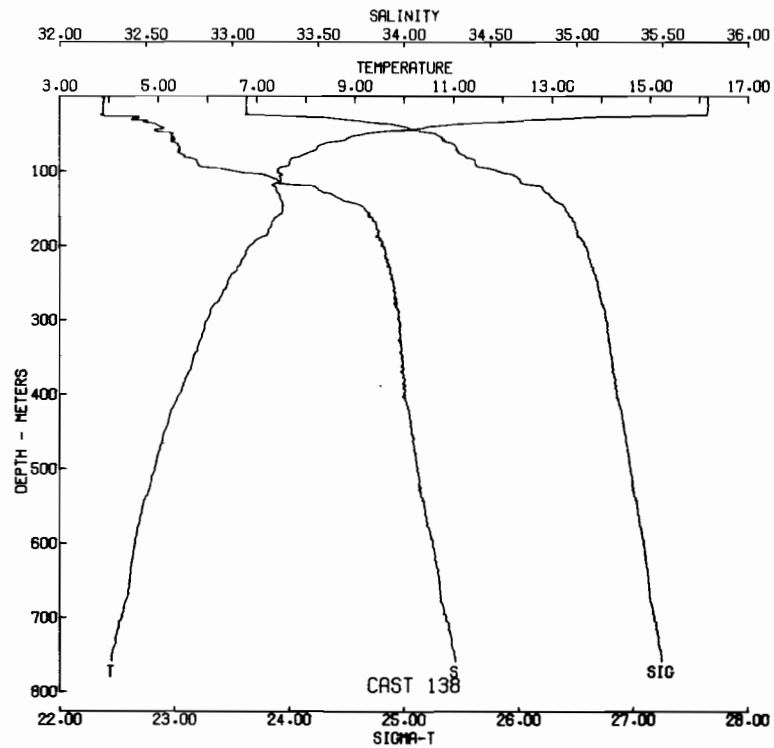

CAST RP-7-OC-135 DATE 19 SEP 73 TIME 1507 GMT
LAT 46 12.2N LONG 125 23.3W WEATHER 2 SEA STATE 4
BAROMETER 00 WIND DIR 150 T SPD 22 KT VISIBILITY 6
CLOUD 3 AMOUNT 8 DRY 16.8 WET 15.9 DEPTH 1715 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.46 | 32.38 | 23.65 | 0.000 |
| 2 | 16.46 | 32.37 | 23.65 | |
| 5 | 16.47 | 32.39 | 23.66 | .021 |
| 10 | 16.47 | 32.38 | 23.65 | .043 |
| 15 | 16.47 | 32.38 | 23.65 | .064 |
| 20 | 16.47 | 32.38 | 23.65 | .085 |
| 25 | 16.47 | 32.38 | 23.65 | .106 |
| 30 | 16.47 | 32.38 | 23.65 | .128 |
| 35 | 16.47 | 32.38 | 23.65 | .149 |
| 40 | 14.84 | 32.41 | 24.64 | .170 |
| 45 | 12.87 | 32.36 | 24.39 | .188 |
| 50 | 11.64 | 32.44 | 24.69 | .206 |
| 75 | 8.71 | 32.58 | 25.30 | .279 |
| 100 | 7.65 | 32.82 | 25.64 | .343 |
| 150 | 7.64 | 33.73 | 26.35 | .442 |
| 200 | 7.00 | 33.85 | 26.54 | .522 |
| 300 | 5.99 | 33.98 | 26.77 | .664 |
| 500 | 4.80 | 34.11 | 27.01 | .904 |
| 750 | 4.04 | 34.29 | 27.24 | 1.153 |
| 1000 | 3.46 | 34.41 | 27.40 | 1.360 |
| 1250 | 3.01 | 34.49 | 27.49 | 1.541 |
| 1500 | 2.52 | 34.52 | 27.57 | 1.793 |
| 1522 | 2.47 | 34.53 | 27.58 | |

CAST RP-7-OC-136 DATE 19 SEP 73 TIME 1722 GMT
LAT 46 12.6N LONG 125 11.6W WEATHER 2 SEA STATE 4
BAROMETER 01 WIND DIR 195 T SPD 24 KT VISIBILITY 7
CLOUD 3 AMOUNT 8 DRY 16.0 WET 15.1 DEPTH 1646 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.40 | 32.32 | 23.62 | 0.000 |
| 5 | 16.41 | 32.38 | 23.66 | .021 |
| 10 | 16.41 | 32.38 | 23.66 | .043 |
| 15 | 16.41 | 32.38 | 23.66 | .064 |
| 20 | 16.40 | 32.37 | 23.66 | .085 |
| 25 | 16.39 | 32.38 | 23.67 | .106 |
| 30 | 16.20 | 32.36 | 23.70 | .127 |
| 35 | 14.65 | 32.34 | 23.98 | .148 |
| 40 | 13.05 | 32.34 | 24.35 | .167 |
| 45 | 11.14 | 32.40 | 24.75 | .184 |
| 50 | 10.15 | 32.45 | 24.96 | .200 |
| 75 | 8.42 | 32.68 | 25.42 | .267 |
| 100 | 7.66 | 32.94 | 25.73 | .329 |
| 150 | 7.60 | 33.72 | 26.35 | .426 |
| 200 | 7.03 | 33.90 | 26.57 | .505 |
| 300 | 6.03 | 33.96 | 26.75 | .647 |
| 500 | 4.34 | 34.10 | 27.01 | .889 |
| 750 | 4.08 | 34.29 | 27.23 | 1.141 |
| 1000 | 3.50 | 34.41 | 27.39 | 1.351 |
| 1250 | 2.97 | 34.48 | 27.50 | 1.531 |
| 1500 | 2.51 | 34.53 | 27.56 | 1.691 |
| 1519 | 2.48 | 34.53 | 27.58 | |



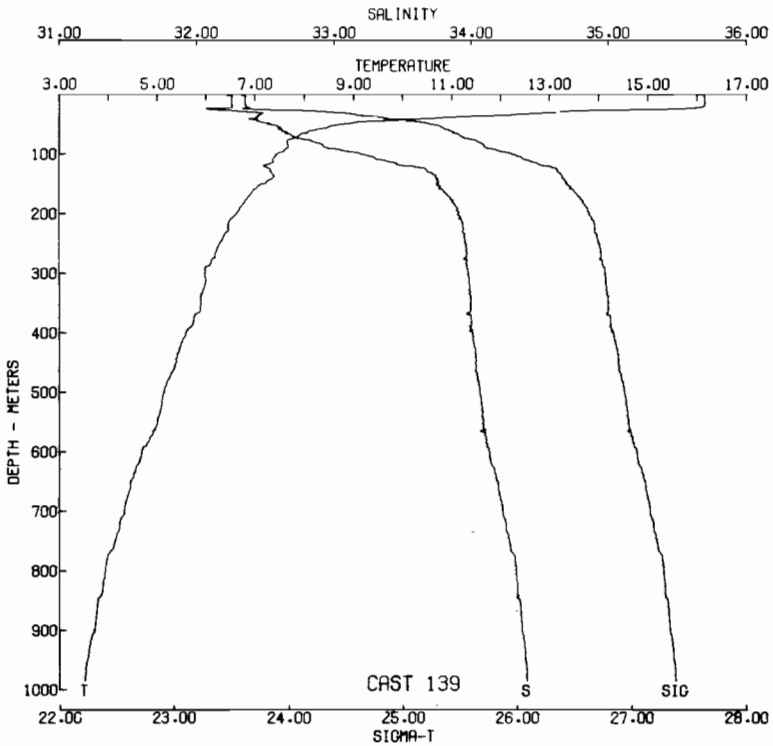



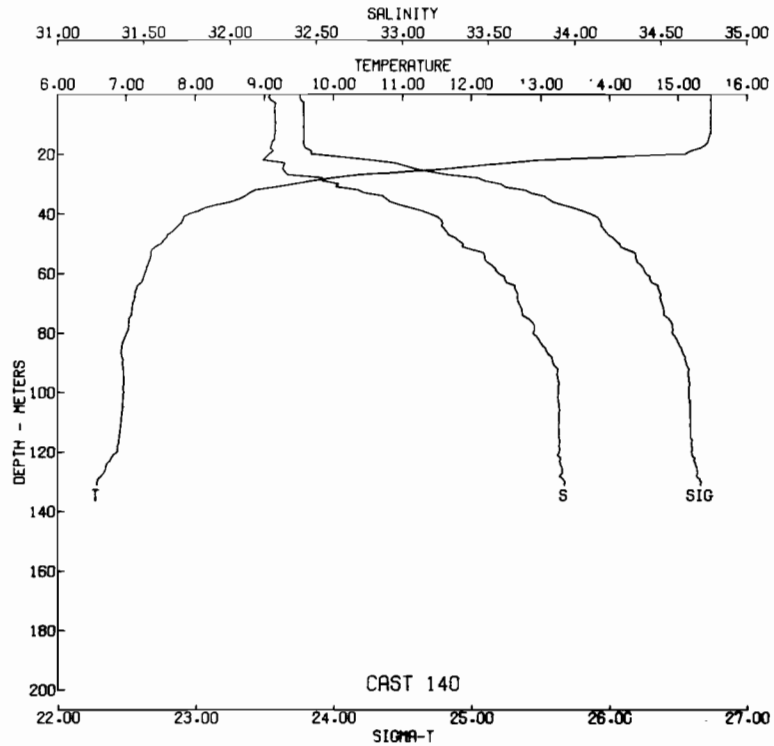

CAST RP-7-CC-137 DATE 19 SEP 73 TIME 1903 GMT
LAT 46 12.6N LONG 125 03.8W WEATHER 2 SEA STATE 4
BAROMETER 01 WIND DIR 190 T SPD 20 KT VISIBILITY 6
CLOUD 3 AMOUNT 8 DRY 17.6 WET 15.8 DEPTH 1416 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.29 | 32.30 | 23.63 | 0.000 |
| 4 | 16.29 | 32.30 | 23.63 | |
| 5 | 16.29 | 32.30 | 23.63 | .021 |
| 10 | 16.29 | 32.30 | 23.63 | .043 |
| 15 | 16.30 | 32.30 | 23.63 | .064 |
| 20 | 16.29 | 32.30 | 23.63 | .086 |
| 25 | 16.28 | 32.30 | 23.63 | .107 |
| 30 | 15.65 | 32.30 | 24.77 | .128 |
| 35 | 13.37 | 32.36 | 24.30 | .148 |
| 40 | 11.81 | 32.30 | 24.55 | .165 |
| 45 | 10.34 | 32.33 | 24.80 | .182 |
| 50 | 9.77 | 32.54 | 25.09 | .197 |
| 75 | 8.08 | 32.70 | 25.48 | .264 |
| 100 | 7.62 | 33.17 | 25.91 | .323 |
| 150 | 7.52 | 33.74 | 26.36 | .416 |
| 200 | 7.07 | 33.88 | 26.55 | .497 |
| 300 | 5.45 | 33.98 | 26.78 | .637 |
| 500 | 4.87 | 34.10 | 27.01 | .881 |
| 750 | 4.11 | 34.28 | 27.22 | 1.134 |
| 1000 | 3.53 | 34.41 | 27.38 | 1.348 |
| 1250 | 2.95 | 34.48 | 27.51 | 1.529 |
| 1413 | 2.56 | 34.52 | 27.55 | |

CAST RP-7-CC-138 DATE 19 SEP 73 TIME 2108 GMT
LAT 46 11.7N LONG 124 53.5W WEATHER 2 SEA STATE 4
BAROMETER 01 WIND DIR 190 T SPD 22 KT VISIBILITY 6
CLOUD 3 AMOUNT 8 DRY 16.9 WET 15.9 DEPTH 0762 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.17 | 32.24 | 23.61 | 0.000 |
| 5 | 16.18 | 32.26 | 23.62 | .021 |
| 10 | 16.18 | 32.25 | 23.62 | .043 |
| 15 | 16.18 | 32.25 | 23.62 | .064 |
| 20 | 16.17 | 32.25 | 23.62 | .086 |
| 25 | 16.15 | 32.24 | 23.61 | .107 |
| 30 | 13.19 | 32.44 | 24.40 | .126 |
| 35 | 11.88 | 32.49 | 24.68 | .143 |
| 40 | 10.63 | 32.58 | 24.98 | .159 |
| 45 | 10.12 | 32.55 | 25.04 | .174 |
| 50 | 9.20 | 32.66 | 25.28 | .188 |
| 75 | 8.08 | 32.68 | 25.47 | .253 |
| 100 | 7.42 | 33.00 | 25.81 | .313 |
| 150 | 7.52 | 33.77 | 26.40 | .407 |
| 200 | 6.86 | 33.87 | 26.57 | .486 |
| 300 | 6.00 | 33.97 | 26.76 | .627 |
| 500 | 4.93 | 34.08 | 26.98 | .875 |
| 750 | 4.06 | 34.29 | 27.24 | 1.131 |
| 759 | 4.05 | 34.30 | 27.25 | |



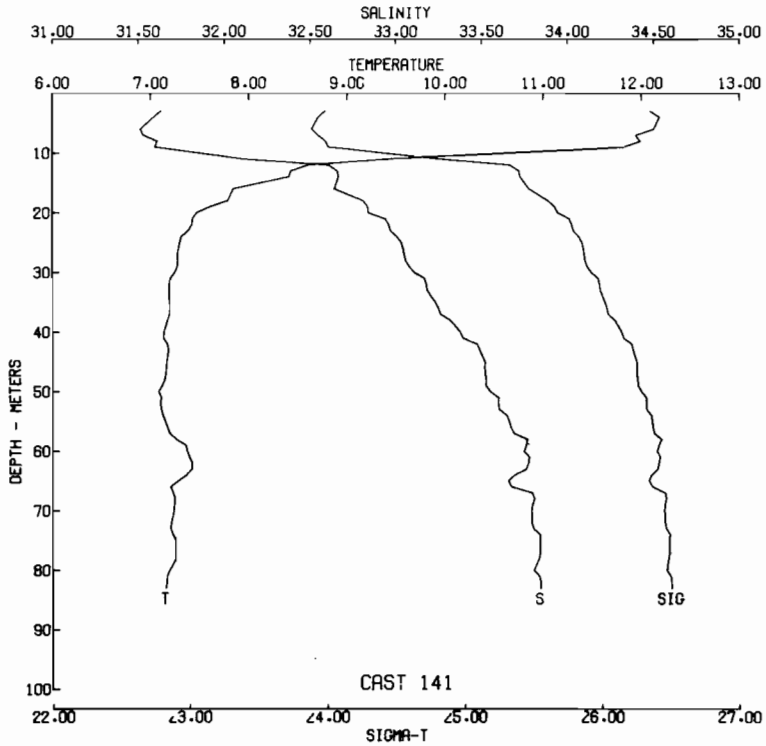



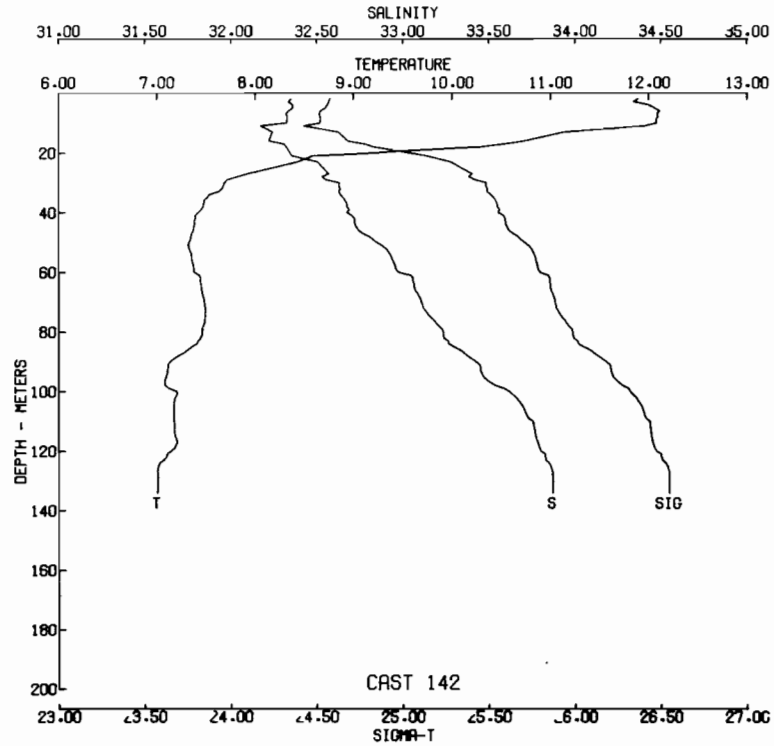

CAST RP-7-CC-139 DATE 19 SEP 73 TIME 2236 GMT
LAT 46 12.2N LONG 124 43.8W WEATHER 1 SEA STATE 4
BAROMETER 01 WIND DIR 210 T SPD 17 KT VISIBILITY 6
CLOUD 6 AMOUNT 5 DRY 17.0 WET 15.2 DEPTH 0997 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.15 | 32.22 | 23.60 | 0.000 |
| 1 | 16.15 | 32.21 | 23.59 | |
| 5 | 16.16 | 32.20 | 23.63 | .021 |
| 10 | 16.16 | 32.26 | 23.63 | .043 |
| 15 | 16.17 | 32.26 | 23.63 | .064 |
| 20 | 16.14 | 32.26 | 23.63 | .086 |
| 25 | 15.38 | 32.07 | 23.65 | .107 |
| 30 | 13.18 | 32.42 | 24.38 | .126 |
| 35 | 12.21 | 32.45 | 24.59 | .143 |
| 40 | 10.70 | 32.44 | 24.86 | .159 |
| 45 | 9.44 | 32.46 | 25.08 | .174 |
| 50 | 8.74 | 32.52 | 25.24 | .188 |
| 75 | 7.09 | 32.78 | 25.68 | .253 |
| 100 | 7.43 | 33.20 | 25.96 | .304 |
| 150 | 7.12 | 33.75 | 26.44 | .398 |
| 200 | 6.61 | 33.90 | 26.65 | .474 |
| 300 | 5.96 | 33.98 | 26.77 | .311 |
| 500 | 5.14 | 34.06 | 26.94 | .863 |
| 750 | 4.13 | 34.27 | 27.22 | 1.128 |
| 984 | 3.51 | 34.41 | 27.35 | |

CAST RP-7-CC-140 DATE 20 SEP 73 TIME 0019 GMT
LAT 46 11.9N LONG 124 29.8W WEATHER 1 SEA STATE 4
BAROMETER 02 WIND DIR 200 T SPD 20 KT VISIBILITY 7
CLOUD 6 AMOUNT DRY 16.1 WET 15.0 DEPTH 0146 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.49 | 32.23 | 23.76 | 0.000 |
| 5 | 15.48 | 32.26 | 23.78 | .021 |
| 10 | 15.47 | 32.26 | 23.78 | .041 |
| 15 | 15.44 | 32.26 | 23.79 | .062 |
| 20 | 15.10 | 32.23 | 23.84 | .083 |
| 25 | 11.61 | 32.31 | 24.59 | .101 |
| 30 | 9.45 | 32.63 | 25.21 | .116 |
| 35 | 8.63 | 32.90 | 25.56 | .129 |
| 40 | 7.91 | 33.16 | 25.86 | .141 |
| 45 | 7.70 | 33.24 | 25.96 | .151 |
| 50 | 7.50 | 33.35 | 26.07 | .161 |
| 75 | 7.04 | 33.72 | 26.43 | .205 |
| 100 | 6.96 | 33.30 | 26.58 | .243 |
| 131 | 6.56 | 33.34 | 26.66 | |



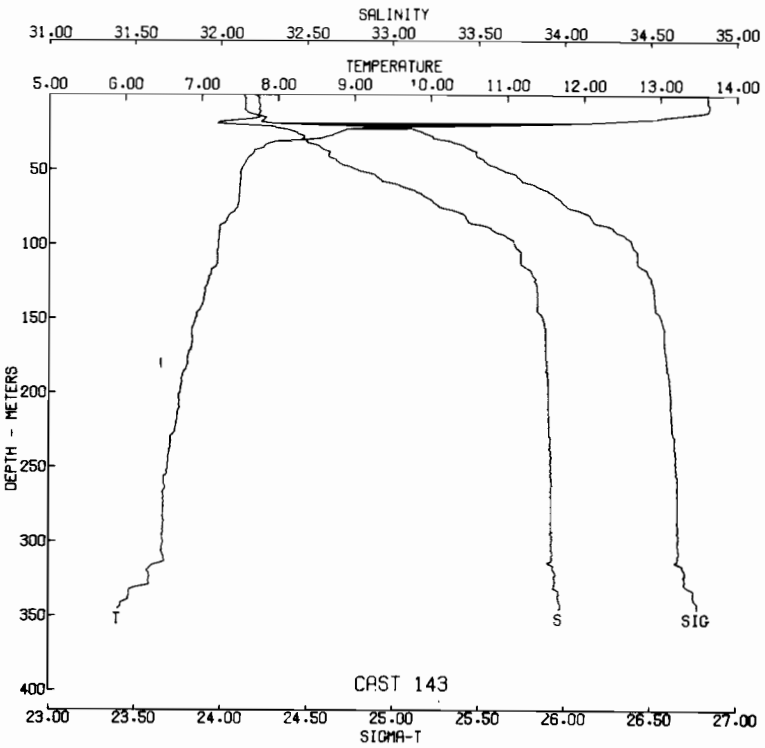



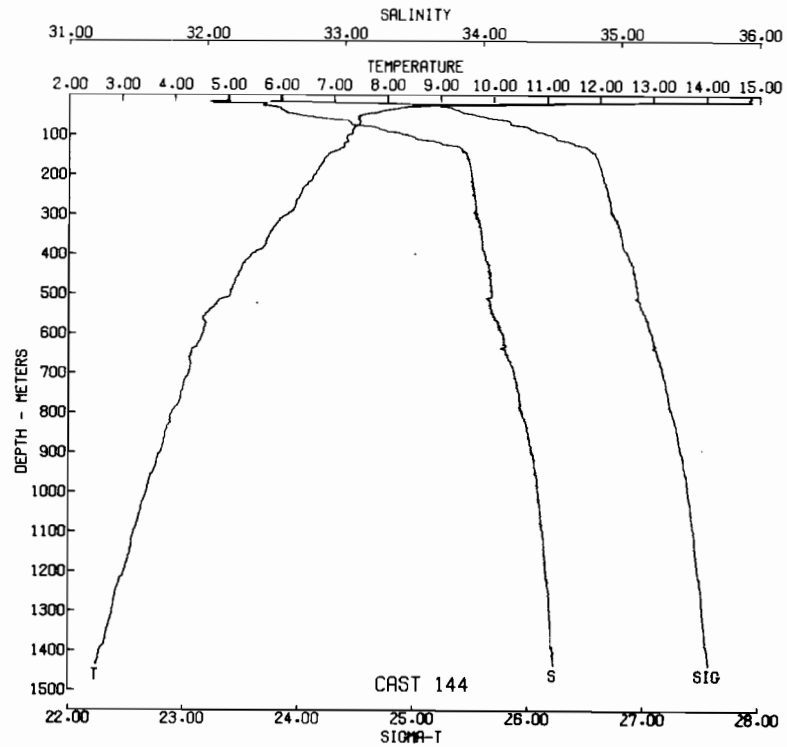

CAST RP-7-CC-141 DATE 20 SEP 73 TIME 0147 GMT
LAT 49 12.1N LONG 124 16.9W WEATHER 5 SEA STATE 4
BAROMETER 02 WIND DIR 202 T SPD 19 KT VISIBILITY 4
CLOUD 6 AMOUNT 7 DRY 14.4 WET 13.7 DEPTH 0103 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 12.26 | 31.71 | 24.01 | 0.000 |
| 3 | 12.09 | 31.63 | 23.98 | |
| 5 | 12.16 | 31.55 | 23.91 | .020 |
| 10 | 10.62 | 31.85 | 24.41 | .039 |
| 15 | 8.12 | 32.65 | 25.44 | .053 |
| 20 | 7.47 | 32.84 | 25.68 | .066 |
| 25 | 7.29 | 33.03 | 25.85 | .077 |
| 30 | 7.24 | 33.11 | 25.92 | .087 |
| 35 | 7.19 | 33.23 | 26.02 | .093 |
| 40 | 7.13 | 33.37 | 26.14 | .107 |
| 45 | 7.16 | 33.52 | 26.25 | .116 |
| 50 | 7.08 | 33.55 | 26.29 | .125 |
| 75 | 7.25 | 33.94 | 26.49 | .166 |
| 85 | 7.15 | 33.84 | 26.51 | |

CAST RP-7-CC-142 DATE 20 SEP 73 TIME 0602 GMT
LAT 47 06.2N LONG 124 48.2W WEATHER 1 SEA STATE 4
BAROMETER 00 WIND DIR 154 T SPD 20 KT VISIBILITY 4
CLOUD X AMOUNT 9 DRY 13.8 WET 13.2 DEPTH 0133 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 11.76 | 32.36 | 24.61 | 0.000 |
| 2 | 11.89 | 32.35 | 24.58 | |
| 5 | 12.06 | 32.36 | 24.55 | .017 |
| 10 | 12.08 | 32.32 | 24.52 | .034 |
| 15 | 10.87 | 32.23 | 24.66 | .051 |
| 20 | 9.15 | 32.34 | 25.04 | .067 |
| 25 | 8.16 | 32.54 | 25.34 | .080 |
| 30 | 7.68 | 32.63 | 25.48 | .093 |
| 35 | 7.51 | 32.66 | 25.53 | .106 |
| 40 | 7.42 | 32.68 | 25.56 | .118 |
| 45 | 7.37 | 32.73 | 25.61 | .130 |
| 50 | 7.33 | 32.85 | 25.71 | .142 |
| 75 | 7.49 | 33.16 | 25.93 | .197 |
| 100 | 7.20 | 33.62 | 26.32 | .245 |
| 134 | 7.00 | 33.87 | 26.55 | |



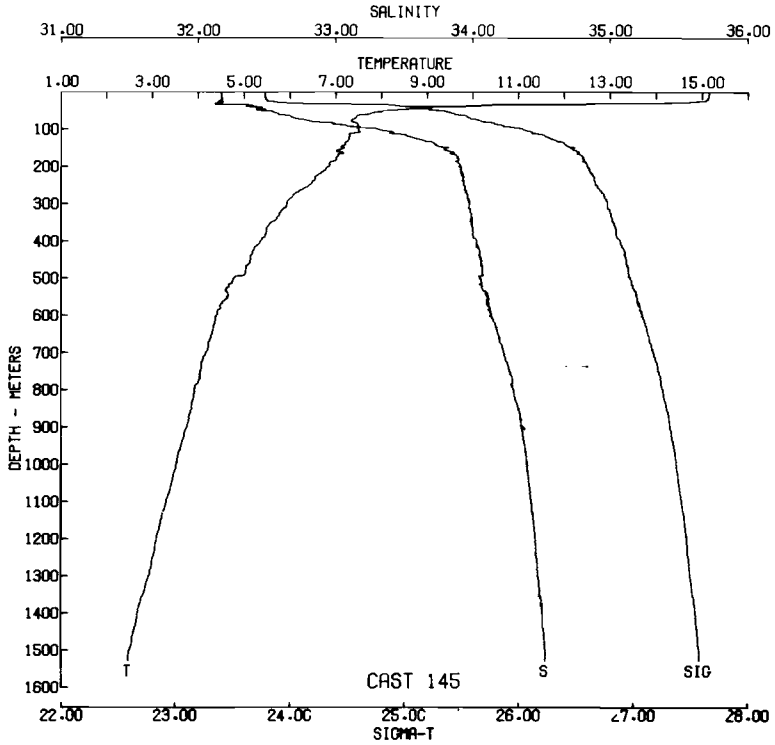



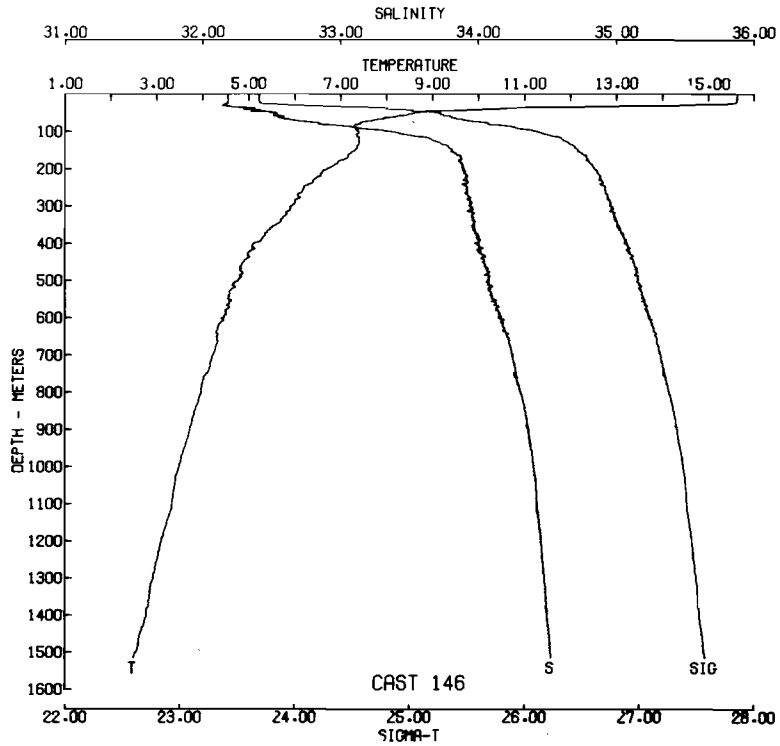

CAST RP-7-CC-143 DATE 20 SEP 73 TIME 0653 GMT
LAT 47 03.6N LONG 124 59.3W WEATHER 6 SEA STATE 4
BAROMETER 98 WIND DIR 150 T SPD 22 KT VISIBILITY 1
CLOUD X AMOUNT 9 DRY 14.0 WET 13.7 DEPTH 0348 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 13.61 | 32.21 | 24.14 | 0.000 |
| 1 | 13.62 | 32.21 | 24.13 | |
| 5 | 13.62 | 32.22 | 24.14 | .013 |
| 10 | 13.63 | 32.22 | 24.14 | .034 |
| 15 | 13.01 | 32.22 | 24.26 | .057 |
| 20 | 11.15 | 32.11 | 24.52 | .075 |
| 25 | 8.79 | 32.44 | 25.17 | .090 |
| 30 | 8.32 | 32.48 | 25.28 | .104 |
| 35 | 7.81 | 32.58 | 25.42 | .117 |
| 40 | 7.65 | 32.63 | 25.48 | .129 |
| 45 | 7.57 | 32.68 | 25.54 | .142 |
| 50 | 7.51 | 32.79 | 25.63 | .154 |
| 75 | 7.47 | 33.27 | 26.01 | .204 |
| 100 | 7.22 | 33.71 | 26.39 | .253 |
| 150 | 6.42 | 33.87 | 25.55 | .332 |
| 200 | 6.73 | 33.91 | 26.62 | .406 |
| 300 | 6.50 | 33.93 | 26.66 | .549 |
| 345 | 5.91 | 33.97 | 26.77 | |

CAST RP-7-CC-144 DATE 20 SEP 73 TIME 0755 GMT
LAT 47 06.5N LONG 125 07.6W WEATHER 6 SEA STATE 4
BAROMETER 96 WIND DIR 140 T SPD 25 KT VISIBILITY 1
CLOUD X AMOUNT 9 DRY 15.2 WET 14.4 DEPTH 1452 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 14.82 | 32.15 | 23.84 | 0.000 |
| 3 | 14.83 | 32.15 | 23.84 | |
| 5 | 14.84 | 32.15 | 23.83 | .020 |
| 10 | 14.80 | 32.16 | 23.85 | .041 |
| 15 | 14.83 | 32.16 | 23.84 | .061 |
| 20 | 11.50 | 32.05 | 24.41 | .081 |
| 25 | 9.55 | 32.42 | 25.03 | .096 |
| 30 | 8.39 | 32.51 | 25.28 | .110 |
| 35 | 8.15 | 32.53 | 25.34 | .124 |
| 40 | 7.89 | 32.55 | 25.39 | .137 |
| 45 | 7.70 | 32.57 | 25.43 | .150 |
| 50 | 7.52 | 32.67 | 25.53 | .162 |
| 75 | 7.44 | 33.07 | 25.86 | .213 |
| 100 | 7.25 | 33.45 | 26.19 | .263 |
| 150 | 6.86 | 33.88 | 26.58 | .351 |
| 200 | 6.03 | 33.91 | 26.63 | .424 |
| 300 | 6.12 | 33.95 | 26.73 | .564 |
| 500 | 5.04 | 34.07 | 26.96 | .814 |
| 750 | 4.12 | 34.27 | 27.21 | 1.074 |
| 1000 | 3.46 | 34.40 | 27.39 | 1.286 |
| 1250 | 2.89 | 34.48 | 27.50 | 1.467 |
| 1435 | 2.52 | 34.52 | 27.57 | |



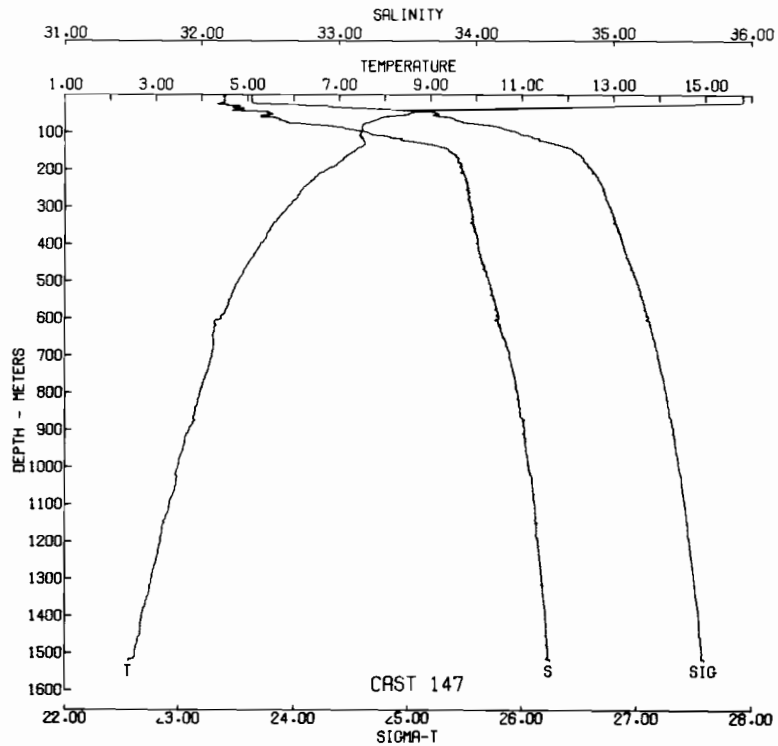



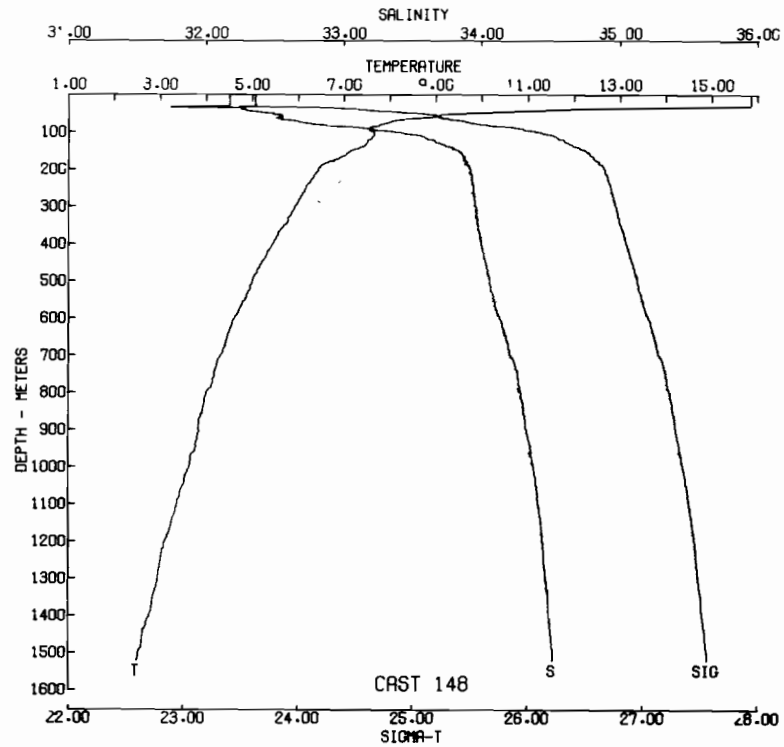

CAST RP-7-CC-145 DATE 20 SEP 73 TIME 0931 GMT
LAT 47 06.2N LONG 125 13.4W WEATHER 1 SEA STATE 4
BAROMETER 96 WIND DIR 180 T SPD 16 KT VISIBILITY 6
CLOUD X AMOUNT 9 DRY 15.5 WET 14.2 DEPTH 1621 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.17 | 32.17 | 23.78 | 0.000 |
| 3 | 15.16 | 32.17 | 23.78 | |
| 5 | 15.16 | 32.17 | 23.78 | .021 |
| 10 | 15.15 | 32.17 | 23.78 | .041 |
| 15 | 15.14 | 32.17 | 23.79 | .062 |
| 20 | 15.11 | 32.17 | 23.79 | .083 |
| 25 | 14.91 | 32.15 | 23.82 | .103 |
| 30 | 13.99 | 32.14 | 24.01 | .123 |
| 35 | 10.25 | 32.35 | 24.87 | .141 |
| 40 | 9.19 | 32.44 | 25.11 | .159 |
| 45 | 8.04 | 32.46 | 25.21 | .170 |
| 50 | 8.08 | 32.50 | 25.32 | .184 |
| 75 | 7.34 | 32.79 | 25.65 | .246 |
| 100 | 7.50 | 33.31 | 26.04 | .301 |
| 150 | 7.18 | 33.79 | 26.46 | .399 |
| 200 | 6.62 | 33.91 | 26.60 | .465 |
| 300 | 5.93 | 33.98 | 26.78 | .604 |
| 500 | 4.78 | 34.06 | 26.98 | .343 |
| 750 | 4.05 | 34.27 | 27.22 | 1.105 |
| 1000 | 3.52 | 34.40 | 27.33 | 1.318 |
| 1250 | 3.01 | 34.47 | 27.48 | 1.503 |
| 1500 | 2.49 | 34.53 | 27.57 | 1.665 |
| 1527 | 2.47 | 34.53 | 27.58 | |

CAST RP-7-CC-146 DATE 20 SEP 73 TIME 1149 GMT
LAT 47 05.9N LONG 125 23.8W WEATHER 1 SEA STATE 4
BAROMETER 92 WIND DIR 155 T SPD 14 KT VISIBILITY 5
CLOUD X AMOUNT 9 DRY 15.2 WET 14.9 DEPTH 1674 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.61 | 32.15 | 23.67 | 0.000 |
| 5 | 15.63 | 32.18 | 23.69 | .021 |
| 10 | 15.63 | 32.18 | 23.69 | .042 |
| 15 | 15.62 | 32.18 | 23.69 | .063 |
| 20 | 15.62 | 32.18 | 23.69 | .084 |
| 25 | 15.57 | 32.18 | 23.70 | .106 |
| 30 | 14.44 | 32.15 | 23.52 | .126 |
| 35 | 11.97 | 32.21 | 24.45 | .145 |
| 40 | 10.52 | 32.35 | 24.82 | .161 |
| 45 | 9.53 | 32.42 | 25.04 | .177 |
| 50 | 8.67 | 32.48 | 25.22 | .191 |
| 75 | 7.48 | 32.77 | 25.62 | .256 |
| 100 | 7.38 | 33.36 | 26.10 | .310 |
| 150 | 7.32 | 33.81 | 26.46 | .397 |
| 200 | 6.71 | 33.89 | 26.61 | .473 |
| 300 | 5.92 | 33.94 | 26.74 | .613 |
| 500 | 4.76 | 34.08 | 26.99 | .857 |
| 750 | 4.06 | 34.26 | 27.21 | 1.112 |
| 1000 | 3.48 | 34.40 | 27.36 | 1.323 |
| 1250 | 3.01 | 34.46 | 27.48 | 1.507 |
| 1500 | 2.54 | 34.52 | 27.56 | 1.671 |
| 1514 | 2.43 | 34.52 | 27.57 | |



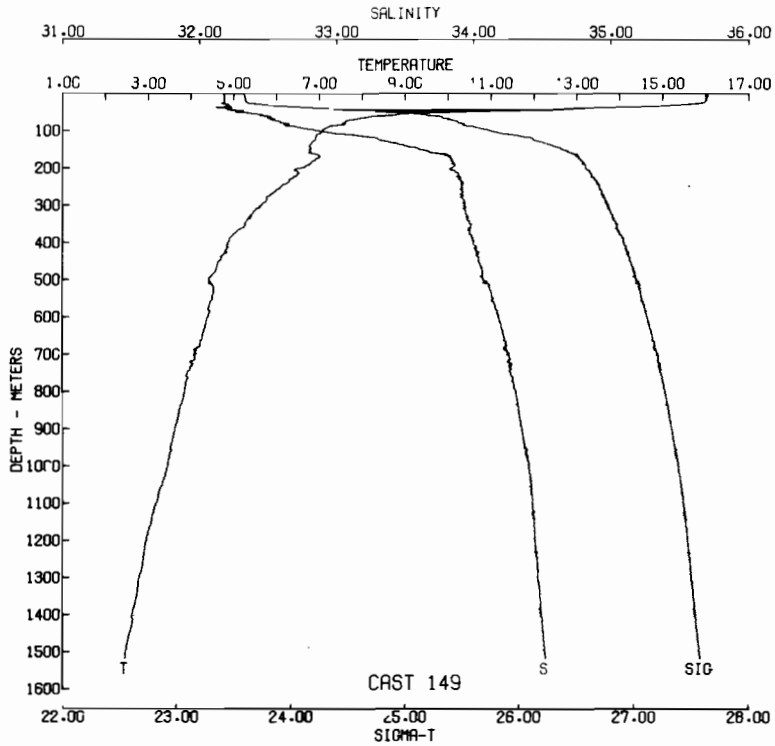



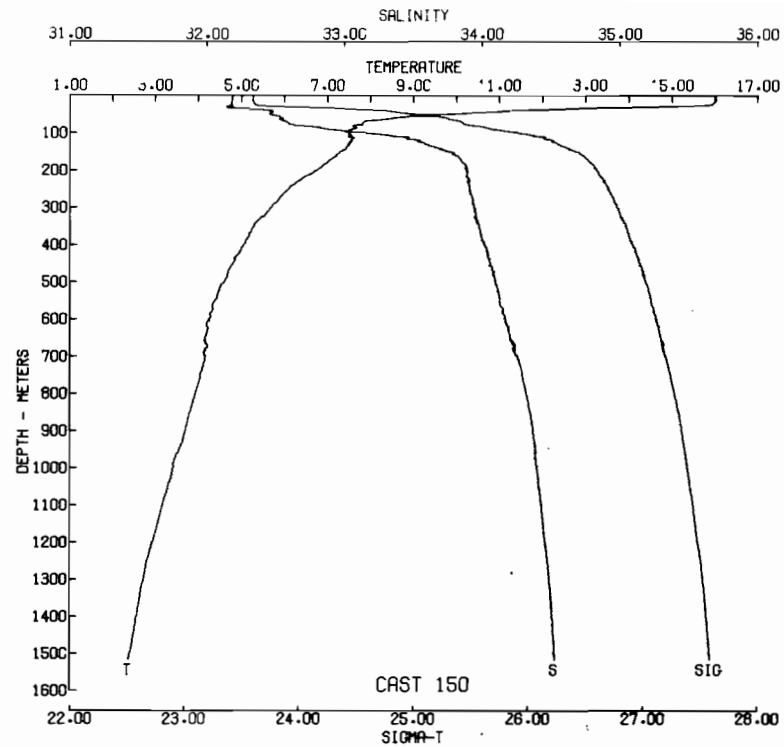

CAST RP-7-OC-147 DATE 20 SEP 73 TIME 1401 GMT
LAT 47 05.6N LONG 125 35.7W WEATHER 1 SEA STATE 4
BAROMETER 96 WIND DIR 275 T SPD 20 KT VISIBILITY 6
CLOUD 6 AMOUNT 5 DRY 15.5 WET 14.5 DEPTH 1516 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.81 | 32.17 | 23.64 | 0.000 |
| 3 | 15.81 | 32.17 | 23.64 | |
| 5 | 15.81 | 32.16 | 23.63 | .021 |
| 10 | 15.81 | 32.17 | 23.63 | .043 |
| 15 | 15.81 | 32.17 | 23.64 | .064 |
| 20 | 15.79 | 32.16 | 23.64 | .085 |
| 25 | 14.00 | 32.11 | 23.86 | .107 |
| 30 | 13.10 | 32.28 | 24.29 | .126 |
| 35 | 12.04 | 32.23 | 24.46 | .144 |
| 40 | 9.92 | 32.27 | 24.86 | .169 |
| 45 | 8.81 | 32.48 | 25.20 | .175 |
| 50 | 8.54 | 32.50 | 25.26 | .189 |
| 75 | 7.61 | 32.02 | 25.48 | .255 |
| 100 | 7.48 | 33.20 | 25.96 | .311 |
| 150 | 7.35 | 33.80 | 26.45 | .402 |
| 200 | 6.73 | 33.90 | 26.61 | .473 |
| 300 | 5.83 | 33.96 | 26.77 | .617 |
| 500 | 4.80 | 34.10 | 27.00 | .852 |
| 750 | 4.11 | 34.28 | 27.22 | 1.115 |
| 1000 | 3.47 | 34.38 | 27.37 | 1.323 |
| 1250 | 3.00 | 34.46 | 27.46 | 1.514 |
| 1500 | 2.53 | 34.52 | 27.57 | 1.677 |
| 1520 | 2.41 | 34.54 | 27.59 | |

CAST RP-7-OC-148 DATE 20 SEP 73 TIME 1650 GMT
LAT 47 06.1N LONG 126 01.2W WEATHER 1 SEA STATE 3
BAROMETER 02 WIND DIR 275 T SPD 17 KT VISIBILITY 6
CLOUD 8 AMOUNT 1 DRY 17.2 WET 15.1 DEPTH 1953 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 15.85 | 32.17 | 23.63 | 0.000 |
| 4 | 15.86 | 32.17 | 23.62 | |
| 5 | 15.86 | 32.17 | 23.62 | .021 |
| 10 | 15.86 | 32.17 | 23.62 | .043 |
| 15 | 15.87 | 32.17 | 23.62 | .064 |
| 20 | 15.86 | 32.17 | 23.63 | .086 |
| 25 | 15.86 | 32.17 | 23.63 | .107 |
| 30 | 15.80 | 32.15 | 23.65 | .128 |
| 35 | 12.80 | 32.21 | 24.29 | .149 |
| 40 | 11.65 | 32.26 | 24.55 | .167 |
| 45 | 10.04 | 32.34 | 24.74 | .183 |
| 50 | 9.63 | 32.49 | 25.06 | .199 |
| 75 | 7.96 | 32.70 | 25.50 | .266 |
| 100 | 7.65 | 33.40 | 26.09 | .321 |
| 150 | 7.15 | 33.83 | 26.50 | .408 |
| 200 | 6.43 | 33.92 | 26.66 | .482 |
| 300 | 5.93 | 33.96 | 26.76 | .613 |
| 500 | 5.00 | 34.06 | 26.95 | .863 |
| 750 | 4.17 | 34.26 | 27.20 | 1.133 |
| 1000 | 3.63 | 34.38 | 27.35 | 1.353 |
| 1250 | 3.00 | 34.45 | 27.47 | 1.541 |
| 1500 | 2.51 | 34.52 | 27.57 | 1.706 |
| 1520 | 2.48 | 34.51 | 27.57 | |




CAST RP-7-CC-149 DATE 20 SEP 73 TIME 1921 GMT
LAT 47 04.9N LONG 126 29.2W WEATHER 1 SEA STATE 3
BAROMETER 06 WIND DIR 270 T SPD 13 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 16.7 WET 14.8 DEPTH 2542 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.06 | 32.17 | 23.58 | 0.000 |
| 1 | 16.07 | 32.17 | 23.58 | |
| 5 | 16.06 | 32.18 | 23.59 | .022 |
| 10 | 16.04 | 32.18 | 23.60 | .043 |
| 15 | 16.02 | 32.18 | 23.60 | .065 |
| 20 | 16.01 | 32.18 | 23.60 | .086 |
| 25 | 15.91 | 32.17 | 23.62 | .108 |
| 30 | 15.48 | 32.21 | 23.74 | .129 |
| 35 | 14.51 | 32.22 | 23.95 | .149 |
| 40 | 12.86 | 32.23 | 24.30 | .169 |
| 45 | 11.70 | 32.20 | 24.56 | .186 |
| 50 | 9.35 | 32.26 | 24.84 | .203 |
| 75 | 7.01 | 32.59 | 25.46 | .271 |
| 100 | 7.07 | 32.37 | 25.75 | .332 |
| 150 | 6.78 | 33.61 | 26.37 | .423 |
| 200 | 6.55 | 33.83 | 26.56 | .505 |
| 300 | 5.00 | 33.93 | 26.77 | .644 |
| 500 | 4.42 | 34.07 | 27.62 | .882 |
| 750 | 3.91 | 34.28 | 27.24 | 1.131 |
| 1000 | 3.46 | 34.41 | 27.35 | 1.340 |
| 1250 | 2.39 | 34.46 | 27.49 | 1.521 |
| 1500 | 2.47 | 34.52 | 27.57 | 1.682 |
| 1517 | 2.46 | 34.53 | 27.58 | |

CAST RP-7-CC-150 DATE 20 SEP 73 TIME 2212 GMT
LAT 47 06.5N LONG 125 58.0W WEATHER 2 SEA STATE 3
BAROMETER 08 WIND DIR 280 T SPD 16 KT VISIBILITY 7
CLOUD 8 AMOUNT 6 DRY 15.8 WET 15.0 DEPTH 2595 M

| DEPTH (M) | TEMPERATURE (C) | SALINITY (PPT) | SIGMA-T | DELTA-D (DYN M) |
|---|---|---|---|---|
| 0 | 16.02 | 32.18 | 23.60 | 0.000 |
| 2 | 16.02 | 32.18 | 23.60 | |
| 5 | 16.02 | 32.18 | 23.60 | .022 |
| 10 | 16.03 | 32.18 | 23.60 | .043 |
| 15 | 16.01 | 32.18 | 23.60 | .065 |
| 20 | 15.97 | 32.18 | 23.61 | .086 |
| 25 | 15.30 | 32.18 | 23.62 | .108 |
| 30 | 14.76 | 32.14 | 23.84 | .129 |
| 35 | 12.70 | 32.31 | 24.39 | .148 |
| 40 | 11.38 | 32.47 | 24.76 | .165 |
| 45 | 10.87 | 32.48 | 24.86 | .180 |
| 50 | 9.79 | 32.40 | 25.03 | .196 |
| 75 | 7.81 | 32.59 | 25.44 | .263 |
| 100 | 7.52 | 33.15 | 25.92 | .322 |
| 150 | 7.30 | 33.74 | 26.41 | .413 |
| 200 | 6.74 | 33.89 | 26.60 | .490 |
| 300 | 5.09 | 33.94 | 26.77 | .623 |
| 500 | 4.03 | 34.10 | 27.03 | .367 |
| 750 | 4.03 | 34.30 | 27.25 | 1.115 |
| 1000 | 3.40 | 34.40 | 27.39 | 1.323 |
| 1250 | 2.80 | 34.48 | 27.51 | 1.502 |
| 1500 | 2.43 | 34.53 | 27.56 | 1.659 |
| 1515 | 2.37 | 34.53 | 27.59 | |



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