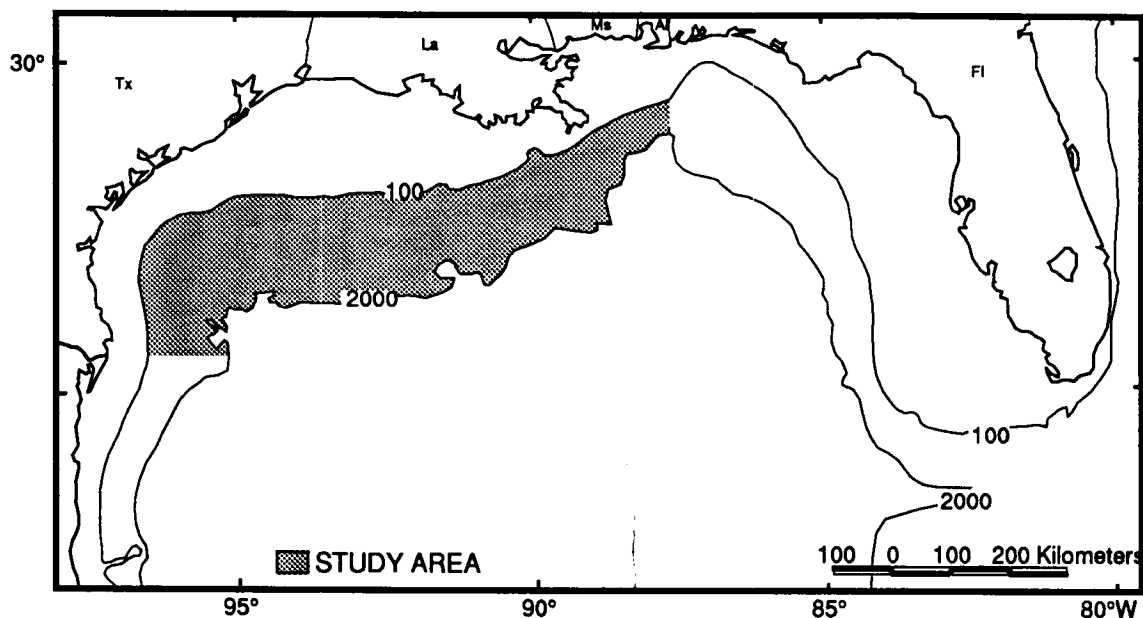


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GULFCET CRUISE 07 HYDROGRAPHIC DATA

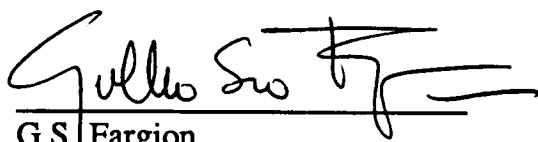
XBT, CTD, AND NISKIN BOTTLE DATA FROM
DECEMBER 4-13, 1993 CRUISE ON R/V *PELICAN*




Technical Report 94-03-T of the Department of Marine Biology
Texas A&M University at Galveston, Galveston, Texas 77553

Prepared for the U.S. Minerals Management Service by the Data
Management Office of the GulfCet project, under contract number
14-35-0001-30619

February 1994


G.S. Fargion,
Technical Editor


R.W. Davis,
Program Manager, GulfCet

FILE COPY

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**Giulietta S. Fargion
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**Randall W. Davis
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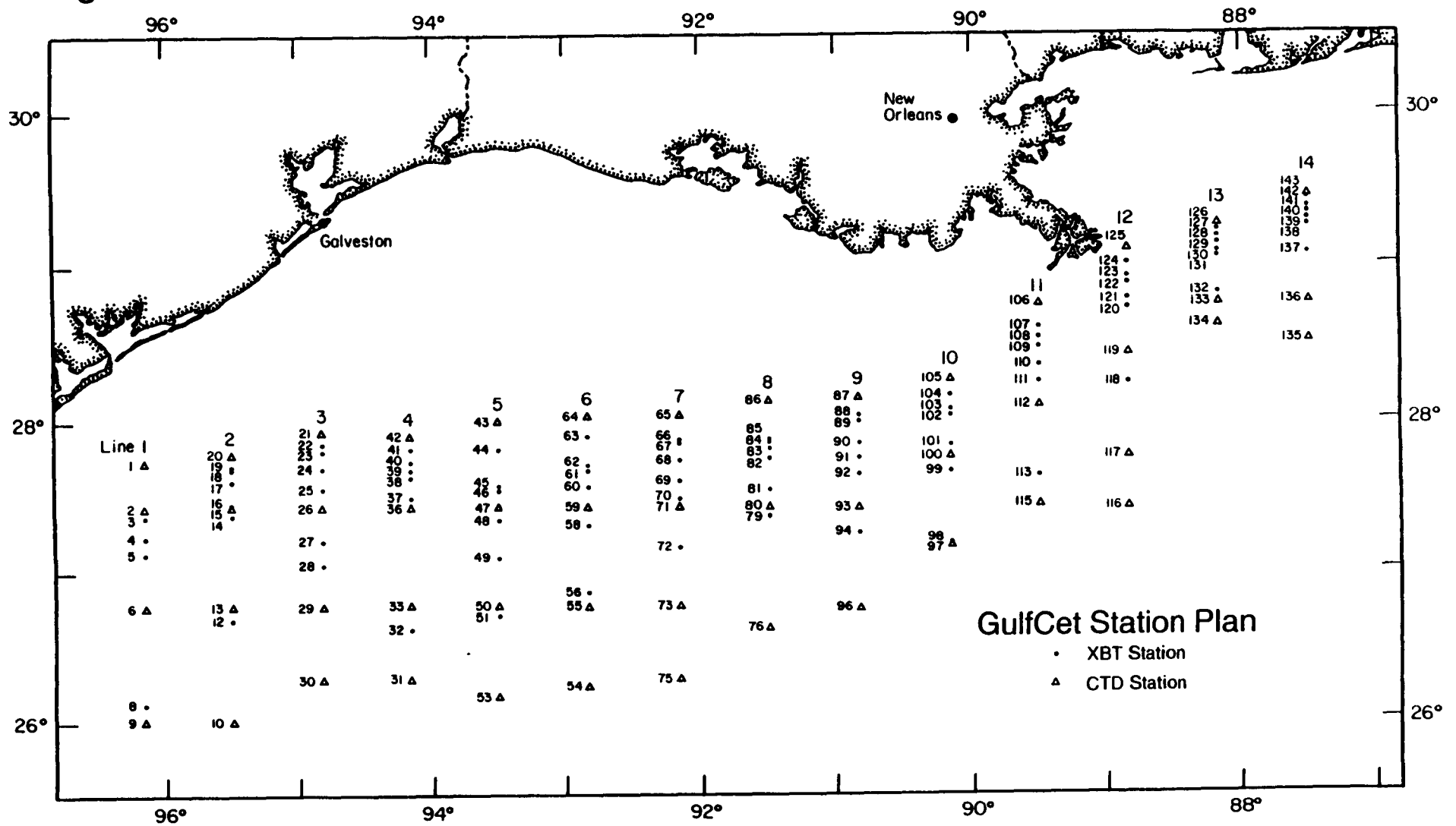
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Figure 1. GulfCet Station Plan: XBT and CTD Stations



INTRODUCTION

The data presented in this report were collected to satisfy, in part, the objectives of Mineral Management Service (MMS) contract number 14-35-0001-30619, "Distribution and Abundance of Marine Mammals in the North-Central and Western Gulf of Mexico." This program includes aerial, acoustic, visual, hydrographic, and remote sensing surveys, as well as a sperm whale tagging and tracking program. The program involves the combined efforts of Texas A&M University at Galveston (TAMUG), Texas Institute of Oceanography (TIO), Texas A&M University at College Station (TAMU), the National Marine Fisheries Service (NMFS) at the Southeast Fisheries Science Center, and Oregon State University's Hatfield Marine Science Center. This MMS program, named GulfCet, is designed to ascertain the distribution, abundance, seasonality, and movement patterns of cetaceans along the continental slope from the Florida-Alabama border to the Texas-Mexico border between the 100 and 2000 meter isobaths.

The GulfCet program participates in four TAMU sponsored cruises per year, one cruise per season, for two of the three years of the contract period. These data were collected on the seventh TAMU GulfCet cruise, a ten day autumn cruise, December 4-13, 1993, aboard the Louisiana Universities Marine Consortium (LUMCON) ship, R/V *Pelican*. This cruise had a threefold purpose: a visual survey of marine mammals, a continuously recording acoustic survey, and a hydrographic survey. A transect consisting of twelve North-South track lines (Figure 1) was followed during the cruise. Track lines 1 and 2 were dropped from the station plan following a GulfCet cruise evaluation. Track lines 3, 4, and half of line 5 were not surveyed due to an illness that required the ship to return to shore. The cruise was aborted at that point. The stations were sampled in reverse order, beginning with line 14, station 143.

Data from the hydrographic survey are presented in this report. Requests for data should be sent to the Minerals Management Service at the Gulf of Mexico Regional OCS Office in New Orleans, or via Dr. Giulietta Fargion, GulfCet DMO, TAMUG, Galveston, Texas, (OMNET/ G. Fargion). The data in this report are available in digital form.

STANDARD PROCEDURES

Data in this report were obtained with CTD lowerings, rosette casts, and XBT deployments. Sea-Bird Electronics SBE 9 Plus CTD was used on this cruise, and lowered to the sea floor, or to a maximum depth of 800 m. Sparton of Canada XBT probes, hardware, and software, along with Sippican's XBT launcher were also used. A rosette holding 12 5-liter Niskin bottles was lowered with the CTD.

Expendable Bathythermograph (XBT) Data:

XBT's (Appendix A, Table 1) were launched at the depths of 200, 350, 500, 800, 1000, and 1500 meters along each track line, using T-7 and T-10 XBT probes.

Conductivity/Temperature/Depth (CTD) Data:

CTD stations (see Appendix A, Table 2) were located at the 100 and 2000 m isobaths (except at the Mexican border), and at 40 nautical mile intervals along each track line. Lines 5-14 were surveyed, ending with CTD station 05-050, which is located in the middle of line five. Vertical profiles of salinity, temperature, oxygen, and beam attenuation coefficient (transmissometry) were measured at every station. In situ fluorescence was measured at stations less than 500 m.

The CTD temperature, pressure, dissolved oxygen, and conductivity sensors are calibrated semi-annually at Sea-Bird Electronics.

Rosette Cast Data:

The rosette was lowered with the CTD at all designated stations. The bottles were closed on the upcast, and seven water samples were collected at each station. Chlorophyll samples were taken from all

seven of the Niskin bottles. A salinity sample was taken from the surface and the deepest bottle at each station.

Salinity samples were analyzed at TAMU, using a Guildline Connectively Coupled Salinometer (model number 8400A). The Salinometer was standardized with Wormley Standard Seawater. Salinity values are reported to four decimal places.

Chlorophyll samples were filtered on board and kept under liquid nitrogen until return to shore. The chlorophyll data are not presented in this report, but will be reported in a later technical report.

TABULATED DATA

The "start time" for hydrographic casts is Central Standard Time. Bottom depth was determined acoustically (DATA SONIC SBT 220), but in some cases the depth was estimated from bathymetric charts.

Expendable Bathythermograph (XBT) Data:

Raw frequency data were processed with an in-house conversion program using Sparton's drop rates (Sparton of Canada, 1992). The processed XBT data were interpolated using a program developed at Scripps Institution of Oceanography. Interpolations are at 1 m steps, and data are listed at 10 m intervals. Two probe failures occurred at stations 07-068 and 10-102, but in both cases another probe was immediately deployed at the same station. The second probe launched at station 10-102 is listed as 10-EX4. Nineteen extra XBT probes were deployed at specific marine mammal sightings, or to delineate certain hydrographic features. The extra probes are listed by their corresponding track line number followed by EX. NL indicates that the probe was not deployed on one of the cruise track lines. Most of the probes launched to define eddies and other features are listed with the letter B in their station designation.

Conductivity/Temperature/Depth (CTD) Data:

CTD data are tabulated to "standard levels" (UNESCO, 1991). The CTD data were acquired at 24 Hz and processed using Sea-Bird's Seasoft software (version 4.015, Sea-Bird Electronics, 1992).

The following CTD data processing steps were used:

- | | |
|---------------------|--|
| 1. DATCNV | Converts raw data to binary engineering units and stores data in CNV files. |
| 2. SPLIT | Splits the CNV files into upcast and downcast files. |
| 3. WILDEDIT | Checks for and marks 'wild' data points. |
| 4. FILTER | Filters data columns to produce zero phase time shifts. |
| 5. ALIGNCTD | Aligns specific temperature, conductivity, and oxygen measurements with their corresponding pressure measurement. |
| 6. In-house program | Converts temperature to ITS-90 scale (UNESCO, 1991). |
| 7. CELLM | Removes conductivity cell thermal mass effects from conductivity data. |
| 8. LOOPEDIT | Marks the scan where CTD is moving less than the minimum velocity or traveling backwards due to ship roll. |
| 9. DERIVE | Computes dissolved oxygen and depth. |
| 10. BINAVG | Averages the data into 1 m. depth bins. |
| 11. DERIVE | Computes salinity (PSS-78), density (EOS80), potential temperature (Pot. Temp), specific volume anomaly (SVA), and sound velocity (Chen-Millero) using Fofonoff and Millard's (1983) formulas. |

No data corrections were made. The temperature sensor as well as the conductivity sensor was calibrated after this cruise at Sea-Bird Electronics. On January 20, 1994, a drift of 0.007 °C/year was obtained for the temperature sensor. A drift of 0.0002 S/m/month² was detected for the conductivity sensor on January 21, 1994.

Station positions for the processed CTD data indicate occupied positions. Figure 2 (Appendix B) shows a CTD versus XBT temperature comparison for CTD station 05-050 and for an XBT deployed at station 05-051.

Column headings and units for the tabulated CTD data are as follows:

<u>Depth</u>	Depth	m
<u>Temp</u>	Temperature	°C
<u>Pot. Temp</u>	Potential Temperature	°C
<u>Salinity</u>	Salinity	PSU
<u>Density</u>	Density	kg/m ³
<u>SVA</u>	Specific Volume Anomaly	10 ⁻⁸ m ³ /kg
<u>Sound V</u>	Sound Velocity	m/s
<u>Oxy</u>	Oxygen	mg/l
<u>Fluor.</u>	Fluorescence	v
<u>Pressure:</u>	Pressure	db

Temperature Data:

The processed XBT data were calibrated against the CTD cast data. Scatter plots were made of the CTD depth and XBT depth difference (for the compared isotherm) versus XBT isotherm depth (Singer, 1990). The first order empirical fit was $Y = 0.047x - 2.9$. A depth adjustment was made in the data to compensate for the fact that XBT isotherms were shallower than CTD isotherms.

The temperature profiles and isotherm maps were plotted using this corrected temperature data and were all generated with *Surfer*™ software (version 4, Golden Software, Inc.).

Rosette Cast Data:

Salinity data were computed using the recommended Joint Panel on Oceanographic Tables and Standards (JPOTS) formula (UNESCO, 1991). The surface salinity contour map was generated with *Surfer*™ software (version 4, Golden Software, Inc.) from CTD salinity data. Figure 3 of Appendix B is a plot of the CTD salinity values versus those obtained from Niskin water samples at the same stations. The difference between the Niskin bottle salinity values and the CTD values is plotted versus depth in Figure 4 (Appendix B).

The mean and standard deviation for the Niskin bottle salinities and CTD salinities are as follows:

Mean Niskin bottle salinity: 35.5720
 Niskin bottle standard deviation: 1.2279

Mean CTD salinity: 35.6239
 CTD standard deviation: 1.0822

LITERATURE CITED

- Fofonoff, N.P., and Millard, Jr., R.C. 1983. *Algorithms for computation of fundamental properties of seawater*. UNESCO Technical Papers in Marine Science, No. 44.
- Golden Software, Inc. 1989. *Surfer™, version 4.*. Computer software. Golden, Colorado: Golden Software, Inc.
- Sea-Bird Electronics, Inc. August, 1992. *CTD data acquisition software, Seasoft version 4.015*. Bellevue, Washington: Sea-Bird Electronics, Inc.
- Singer, J. J. 1990. *On the error observed in electronically digitized T-7 XBT data*. J. Atmos. Oceanic Technol., 7:603-611.
- Sparton of Canada, Ltd. June, 1992. *BT/SV processor, model 101: operation and maintenance manual, version 1.02*. London, Canada: Sparton of Canada, Ltd.
- UNESCO/JPOTS editorial panel. 1991. *Processing of oceanographic station data*. Vendome, France: UNESCO

PERSONNEL

GulfCet Cruise 07 Personnel:

Ship's Captain:

Chris Riffe, R/V *Pelican*

Chief Scientist:

Jeff Norris

TAMU, Research Associate

Scientific Staff:

Tom Jefferson

TAMU, Graduate Student

Bill Stevens

Volunteer

Troy Sparks

TAMU, Graduate Student

Andy Schiro

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TAMUG, GulfCet PI, Research Associate Specialist

Cheryl Schroeder

TAMUG, Student

EXPENDABLE BATHYTHERMOGRAPH (XBT) DATA:

-DATA SUMMARY TABLES

Cruise: GULFCET 07 **Station:** 05-049 **Probe Type:** T-7
Latitude: 27° 06.04' N **Longitude:** 93° 30.14' W **Date:** 12-Dec-1993 **Time:** 0823

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.03	310.00	11.76	620.00	6.88
10.00	24.00	320.00	11.53	630.00	6.77
20.00	23.98	330.00	11.33	640.00	6.68
30.00	23.94	340.00	11.08	650.00	6.65
40.00	23.91	350.00	10.78	660.00	6.58
50.00	23.90	360.00	10.65	670.00	6.44
60.00	23.89	370.00	10.30	680.00	6.37
70.00	23.84	380.00	10.20	690.00	6.28
80.00	23.52	390.00	10.08	700.00	6.22
90.00	22.59	400.00	9.92	710.00	6.12
100.00	20.79	410.00	9.72	720.00	6.05
110.00	19.76	420.00	9.58	730.00	6.04
120.00	19.22	430.00	9.43	740.00	6.01
130.00	18.56	440.00	9.20	750.00	5.97
140.00	17.69	450.00	9.08	760.00	5.93
150.00	17.06	460.00	8.93	770.00	5.87
160.00	16.68	470.00	8.75	780.00	5.80
170.00	16.15	480.00	8.64	790.00	5.77
180.00	15.80	490.00	8.56	800.00	5.70
190.00	15.40	500.00	8.37	810.00	5.64
200.00	15.10	510.00	8.28	820.00	5.61
210.00	14.59	520.00	8.17		
220.00	14.35	530.00	8.03		
230.00	14.02	540.00	7.85		
240.00	13.45	550.00	7.76		
250.00	13.07	560.00	7.63		
260.00	12.76	570.00	7.52		
270.00	12.67	580.00	7.40		
280.00	12.58	590.00	7.27		
290.00	12.50	600.00	7.17		
300.00	12.16	610.00	7.07		

Cruise: GULFCET 07 **Station:** 05-051 **Probe Type:** T-7
Latitude: 26° 43.13' N **Longitude:** 93° 29.90' W **Date:** 12-Dec-1993 **Time:** 0434

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.33	310.00	11.80	620.00	7.03
10.00	23.31	320.00	11.59	630.00	6.90
20.00	23.25	330.00	11.25	640.00	6.80
30.00	23.07	340.00	11.22	650.00	6.72
40.00	23.30	350.00	11.00	660.00	6.61
50.00	23.34	360.00	10.87	670.00	6.55
60.00	23.33	370.00	10.66	680.00	6.49
70.00	23.34	380.00	10.40	690.00	6.41
80.00	23.34	390.00	10.22	700.00	6.36
90.00	22.28	400.00	9.99	710.00	6.33
100.00	20.96	410.00	9.84	720.00	6.28
110.00	19.69	420.00	9.61	730.00	6.19
120.00	19.08	430.00	9.50	740.00	6.13
130.00	18.37	440.00	9.35	750.00	6.00
140.00	17.91	450.00	9.13	760.00	5.97
150.00	17.58	460.00	9.00	770.00	5.88
160.00	17.01	470.00	8.92	780.00	5.85
170.00	16.51	480.00	8.72	790.00	5.81
180.00	16.12	490.00	8.62	800.00	5.75
190.00	15.83	500.00	8.47	810.00	5.71
200.00	15.55	510.00	8.29	820.00	5.62
210.00	15.07	520.00	8.12		
220.00	14.70	530.00	7.96		
230.00	14.40	540.00	7.83		
240.00	14.02	550.00	7.68		
250.00	13.69	560.00	7.59		
260.00	13.22	570.00	7.51		
270.00	12.94	580.00	7.41		
280.00	12.63	590.00	7.29		
290.00	12.42	600.00	7.22		
300.00	12.01	610.00	7.10		

Cruise: GULFCET 07 **Station:** 05-B09 **Probe Type:** T-7
Latitude: 26° 26.00' N **Longitude:** 93° 29.94' W **Date:** 12-Dec-1993 **Time:** 0140

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.29	310.00	11.85	620.00	7.29
10.00	24.34	320.00	11.64	630.00	7.22
20.00	24.34	330.00	11.41	640.00	7.18
30.00	24.33	340.00	11.18	650.00	7.14
40.00	24.34	350.00	10.99	660.00	7.10
50.00	24.34	360.00	10.74	670.00	7.02
60.00	24.34	370.00	10.53	680.00	6.96
70.00	24.35	380.00	10.29	690.00	6.81
80.00	24.10	390.00	9.97	700.00	6.65
90.00	22.51	400.00	9.82	710.00	6.52
100.00	21.46	410.00	9.64	720.00	6.41
110.00	20.13	420.00	9.41	730.00	6.36
120.00	19.21	430.00	9.23	740.00	6.30
130.00	18.72	440.00	9.01	750.00	6.20
140.00	18.30	450.00	8.78	760.00	6.10
150.00	17.84	460.00	8.56	770.00	6.00
160.00	17.34	470.00	8.43	780.00	5.89
170.00	16.87	480.00	8.25	790.00	5.82
180.00	16.36	490.00	8.14	800.00	5.73
190.00	15.96	500.00	8.07	810.00	5.67
200.00	15.64	510.00	8.03	820.00	5.61
210.00	15.27	520.00	7.92		
220.00	14.74	530.00	7.88		
230.00	14.31	540.00	7.81		
240.00	13.91	550.00	7.73		
250.00	13.65	560.00	7.68		
260.00	13.38	570.00	7.64		
270.00	13.07	580.00	7.57		
280.00	12.51	590.00	7.49		
290.00	12.32	600.00	7.43		
300.00	12.21	610.00	7.37		

Cruise: GULFCET 07 **Station:** 06-058 **Probe Type:** T-7
Latitude: 27° 18.94' N **Longitude:** 92° 50.00' W **Date:** 11-Dec-1993 **Time:** 0748

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.80	310.00	11.16	620.00	6.60
10.00	23.76	320.00	10.93	630.00	6.52
20.00	23.76	330.00	10.62	640.00	6.45
30.00	23.76	340.00	10.37	650.00	6.39
40.00	23.75	350.00	10.19	660.00	6.30
50.00	23.49	360.00	10.04	670.00	6.23
60.00	21.36	370.00	9.89	680.00	6.20
70.00	20.48	380.00	9.62	690.00	6.11
80.00	19.53	390.00	9.40	700.00	6.08
90.00	18.66	400.00	9.17	710.00	6.04
100.00	18.11	410.00	8.99	720.00	6.03
110.00	17.64	420.00	8.89	730.00	6.01
120.00	17.07	430.00	8.78	740.00	5.92
130.00	16.63	440.00	8.60	750.00	5.84
140.00	16.23	450.00	8.42	760.00	5.81
150.00	15.77	460.00	8.28	770.00	5.76
160.00	15.30	470.00	8.18	780.00	5.73
170.00	15.02	480.00	8.04	790.00	5.67
180.00	14.75	490.00	7.84	800.00	5.57
190.00	14.32	500.00	7.74	810.00	5.56
200.00	13.90	510.00	7.64	820.00	5.52
210.00	13.54	520.00	7.57		
220.00	13.20	530.00	7.44		
230.00	12.90	540.00	7.31		
240.00	12.70	550.00	7.20		
250.00	12.43	560.00	7.08		
260.00	12.25	570.00	6.93		
270.00	12.07	580.00	6.84		
280.00	11.80	590.00	6.78		
290.00	11.64	600.00	6.73		
300.00	11.42	610.00	6.65		

Cruise: GULFCET 07 **Station:** 06-060 **Probe Type:** T-7
Latitude: 27° 34.46' N **Longitude:** 92° 50.10' W **Date:** 11-Dec-1993 **Time:** 0447

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.56	310.00	10.92
10.00	23.54	320.00	10.67
20.00	23.54	330.00	10.54
30.00	23.56	340.00	10.36
40.00	23.55	350.00	10.05
50.00	23.52	360.00	9.98
60.00	22.81	370.00	9.94
70.00	20.68	380.00	9.89
80.00	19.27	390.00	9.81
90.00	18.58	400.00	9.58
100.00	17.92	410.00	9.38
110.00	17.34	420.00	9.23
120.00	16.88	430.00	9.21
130.00	16.53	440.00	9.18
140.00	16.24	450.00	9.09
150.00	16.03	460.00	9.02
160.00	15.54	470.00	8.73
170.00	15.19	480.00	8.60
180.00	14.70	490.00	8.45
190.00	14.29	500.00	8.40
200.00	13.87	510.00	8.34
210.00	13.52	520.00	8.28
220.00	13.26	530.00	8.20
230.00	13.05	540.00	8.17
240.00	12.79	550.00	8.14
250.00	12.42	560.00	8.16
260.00	11.92	570.00	7.96
270.00	11.68	580.00	7.95
280.00	11.39	590.00	7.92
290.00	11.07	600.00	7.75
300.00	10.95	610.00	7.70

Cruise: GULFCET 07 **Station:** 06-061 **Probe Type:** T-7
Latitude: 27° 40.99' N **Longitude:** 92° 50.17' W **Date:** 11-Dec-1993 **Time:** 0352

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.02	310.00	11.75
10.00	23.99	320.00	11.50
20.00	23.99	330.00	11.37
30.00	23.82	340.00	11.31
40.00	23.70		
50.00	23.68		
60.00	23.19		
70.00	20.88		
80.00	19.91		
90.00	18.83		
100.00	18.45		
110.00	18.06		
120.00	17.40		
130.00	16.95		
140.00	16.57		
150.00	16.24		
160.00	15.66		
170.00	15.34		
180.00	14.92		
190.00	14.53		
200.00	14.22		
210.00	14.13		
220.00	13.94		
230.00	13.78		
240.00	13.48		
250.00	13.17		
260.00	12.89		
270.00	12.75		
280.00	12.66		
290.00	12.29		
300.00	12.09		

Cruise: GULFCET 07 **Station:** 06-062 **Probe Type:** T-7
Latitude: 27° 42.99' N **Longitude:** 92° 50.12' W **Date:** 11-Dec-1993 **Time:** 0335

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.86	310.00	12.47
10.00	23.84	320.00	12.37
20.00	23.85		
30.00	23.86		
40.00	23.85		
50.00	23.57		
60.00	22.65		
70.00	21.03		
80.00	19.47		
90.00	18.84		
100.00	18.63		
110.00	18.00		
120.00	17.45		
130.00	17.14		
140.00	16.72		
150.00	16.29		
160.00	15.88		
170.00	15.53		
180.00	15.28		
190.00	14.98		
200.00	14.77		
210.00	14.70		
220.00	14.46		
230.00	14.25		
240.00	13.88		
250.00	13.54		
260.00	13.41		
270.00	13.27		
280.00	12.99		
290.00	12.91		
300.00	12.50		

Cruise: GULFCET 07 **Station:** 06-063 **Probe Type:** T-10
Latitude: 27° 54.45' N **Longitude:** 92° 49.97' W **Date:** 11-Dec-1993 **Time:** 0201

Depth (m)	Temp. (°C)
0.00	23.54
10.00	23.39
20.00	23.03
30.00	23.00
40.00	22.91
50.00	22.90
60.00	22.95
70.00	22.86
80.00	20.40
90.00	19.91
100.00	19.31
110.00	18.67
120.00	18.11
130.00	17.69
140.00	17.47
150.00	17.04
160.00	16.64
170.00	16.32
180.00	15.79
190.00	15.59
200.00	15.07

Cruise: GULFCET 07 **Station:** 06-B07 **Probe Type:** T-7
Latitude: 27° 04.18' N **Longitude:** 92° 49.65' W **Date:** 11-Dec-1993 **Time:** 0953

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.59	310.00	10.14	620.00	6.27
10.00	23.56	320.00	9.96	630.00	6.20
20.00	23.57	330.00	9.81	640.00	6.17
30.00	23.57	340.00	9.70	650.00	6.11
40.00	23.58	350.00	9.61	660.00	6.06
50.00	23.58	360.00	9.42	670.00	5.91
60.00	23.56	370.00	9.33	680.00	5.85
70.00	23.21	380.00	9.15	690.00	5.79
80.00	21.11	390.00	9.00	700.00	5.71
90.00	19.46	400.00	8.76	710.00	5.64
100.00	18.67	410.00	8.57	720.00	5.60
110.00	17.89	420.00	8.39	730.00	5.55
120.00	16.87	430.00	8.19	740.00	5.51
130.00	16.08	440.00	8.04	750.00	5.50
140.00	15.20	450.00	7.97	760.00	5.44
150.00	14.45	460.00	7.84	770.00	5.38
160.00	13.99	470.00	7.74	780.00	5.31
170.00	13.63	480.00	7.54	790.00	5.27
180.00	13.19	490.00	7.39	800.00	5.22
190.00	12.93	500.00	7.29	810.00	5.20
200.00	12.69	510.00	7.20	820.00	5.18
210.00	12.49	520.00	7.16		
220.00	12.14	530.00	7.06		
230.00	11.90	540.00	6.97		
240.00	11.72	550.00	6.84		
250.00	11.43	560.00	6.74		
260.00	11.18	570.00	6.67		
270.00	11.01	580.00	6.58		
280.00	10.78	590.00	6.49		
290.00	10.58	600.00	6.46		
300.00	10.38	610.00	6.41		

Cruise: GULFCET 07 **Station:** 06-B08 **Probe Type:** T-7
Latitude: 26° 30.09' N **Longitude:** 92° 50.06' W **Date:** 11-Dec-1993 **Time:** 1533

Depth (m)	Temp. (°C)
0.00	23.71
10.00	23.70
20.00	23.71
30.00	23.70
40.00	23.71
50.00	23.71
60.00	23.71
70.00	22.97
80.00	22.04
90.00	21.61
100.00	21.15
110.00	20.65

Cruise: GULFCET 07
Latitude: 27° 52.99' N

Station: 07-066
Longitude: 92° 09.96' W

Probe Type: T-10
Date: 10-Dec-1993
Time: 1917

Depth (m)	Temp. (°C)
0.00	24.52
10.00	24.52
20.00	24.52
30.00	24.46
40.00	24.15
50.00	24.05
60.00	23.90
70.00	22.17
80.00	21.02
90.00	20.24
100.00	19.56
110.00	18.65
120.00	18.13
130.00	17.72
140.00	17.28
150.00	16.82
160.00	16.27
170.00	16.09
180.00	15.83
190.00	15.54
200.00	15.27
210.00	15.08

Cruise: GULFCET 07
Latitude: 27° 52.00' N

Station: 07-067
Longitude: 92° 09.91' W

Probe Type: T-7
Date: 10-Dec-1993
Time: 1909

Depth (m)	Temp. (°C)
0.00	24.56
10.00	24.56
20.00	24.56
30.00	24.54
40.00	24.21
50.00	24.06
60.00	23.68
70.00	22.42
80.00	20.88
90.00	20.12
100.00	19.19
110.00	18.68
120.00	17.95
130.00	17.59
140.00	17.26
150.00	16.89
160.00	16.28
170.00	16.05
180.00	15.68
190.00	15.33
200.00	15.06
210.00	14.70
220.00	14.41
230.00	14.00
240.00	13.66
250.00	13.34
260.00	13.17
270.00	12.92
280.00	12.62

Cruise: GULFCET 07 **Station:** 07-068 **Probe Type:** T-7
Latitude: 27° 45.19' N **Longitude:** 92° 10.01' W **Date:** 10-Dec-1993 **Time:** 1809

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.85	310.00	11.23
10.00	24.81	320.00	11.08
20.00	24.20	330.00	10.94
30.00	23.93	340.00	10.79
40.00	23.84	350.00	10.72
50.00	23.81	360.00	10.60
60.00	23.54	370.00	10.48
70.00	21.90	380.00	10.22
80.00	20.76	390.00	10.11
90.00	19.71	400.00	10.09
100.00	18.88	410.00	9.99
110.00	18.22	420.00	9.58
120.00	17.75	430.00	9.33
130.00	17.30	440.00	9.19
140.00	16.95	450.00	9.08
150.00	16.63	460.00	9.02
160.00	15.88	470.00	9.01
170.00	15.35	480.00	8.99
180.00	15.10		
190.00	14.70		
200.00	14.45		
210.00	14.16		
220.00	13.84		
230.00	13.45		
240.00	13.33		
250.00	13.06		
260.00	12.82		
270.00	12.40		
280.00	11.89		
290.00	11.47		
300.00	11.30		

Cruise: GULFCET 07 **Station:** 07-069 **Probe Type:** T-7
Latitude: 27° 37.00' N **Longitude:** 92° 09.96' W **Date:** 10-Dec-1993 **Time:** 1654

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.28	310.00	11.33	620.00	7.31
10.00	24.27	320.00	11.08	630.00	7.26
20.00	24.22	330.00	10.96	640.00	7.16
30.00	24.22	340.00	10.63	650.00	7.10
40.00	24.11	350.00	10.56	660.00	7.00
50.00	24.04	360.00	10.36	670.00	6.92
60.00	23.65	370.00	10.19	680.00	6.86
70.00	21.11	380.00	10.04	690.00	6.73
80.00	20.15	390.00	9.76	700.00	6.69
90.00	19.12	400.00	9.58	710.00	6.52
100.00	18.38	410.00	9.43		
110.00	17.70	420.00	9.17		
120.00	16.96	430.00	9.02		
130.00	16.80	440.00	8.92		
140.00	16.38	450.00	8.77		
150.00	15.98	460.00	8.62		
160.00	15.56	470.00	8.49		
170.00	15.19	480.00	8.33		
180.00	14.94	490.00	8.26		
190.00	14.49	500.00	8.20		
200.00	14.15	510.00	8.12		
210.00	13.92	520.00	8.04		
220.00	13.71	530.00	7.86		
230.00	13.38	540.00	7.85		
240.00	13.17	550.00	7.74		
250.00	12.79	560.00	7.65		
260.00	12.46	570.00	7.63		
270.00	12.25	580.00	7.52		
280.00	12.00	590.00	7.48		
290.00	11.73	600.00	7.44		
300.00	11.46	610.00	7.37		

Cruise: GULFCET 07 **Station:** 07-070 **Probe Type:** T-7
Latitude: 27° 29.48' N **Longitude:** 92° 09.89' W **Date:** 10-Dec-1993 **Time:** 1547

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.27	310.00	11.41	620.00	6.82
10.00	24.27	320.00	11.13	630.00	6.73
20.00	24.21	330.00	10.94	640.00	6.68
30.00	24.12	340.00	10.76	650.00	6.52
40.00	24.00	350.00	10.56	660.00	6.43
50.00	23.68	360.00	10.35	670.00	6.30
60.00	22.04	370.00	10.17	680.00	6.28
70.00	21.17	380.00	10.06	690.00	6.26
80.00	19.95	390.00	9.90		
90.00	19.13	400.00	9.71		
100.00	18.46	410.00	9.48		
110.00	17.84	420.00	9.23		
120.00	17.27	430.00	9.09		
130.00	16.84	440.00	8.92		
140.00	16.32	450.00	8.82		
150.00	15.93	460.00	8.64		
160.00	15.59	470.00	8.55		
170.00	15.14	480.00	8.43		
180.00	14.79	490.00	8.22		
190.00	14.39	500.00	8.11		
200.00	14.11	510.00	7.96		
210.00	13.78	520.00	7.84		
220.00	13.56	530.00	7.75		
230.00	13.34	540.00	7.63		
240.00	13.05	550.00	7.47		
250.00	12.76	560.00	7.37		
260.00	12.58	570.00	7.29		
270.00	12.38	580.00	7.21		
280.00	12.07	590.00	7.08		
290.00	11.87	600.00	7.01		
300.00	11.57	610.00	6.94		

Cruise: GULFCET 07 **Station:** 07-072 **Probe Type:** T-7
Latitude: 27° 09.99' N **Longitude:** 92° 10.03' W **Date:** 10-Dec-1993 **Time:** 1200

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.69	310.00	11.12
10.00	23.55	320.00	10.83
20.00	23.56	330.00	10.51
30.00	23.54	340.00	10.24
40.00	23.54	350.00	10.01
50.00	23.54	360.00	9.82
60.00	21.81	370.00	9.68
70.00	20.54	380.00	9.51
80.00	19.53	390.00	9.35
90.00	18.67	400.00	9.18
100.00	17.88	410.00	9.01
110.00	17.50	420.00	8.88
120.00	16.94	430.00	8.68
130.00	16.43	440.00	8.55
140.00	16.08	450.00	8.45
150.00	15.69	460.00	8.29
160.00	15.37	470.00	8.08
170.00	15.04	480.00	7.81
180.00	14.63	490.00	7.74
190.00	14.27	500.00	7.55
200.00	13.94	510.00	7.46
210.00	13.58	520.00	7.34
220.00	13.42	530.00	7.20
230.00	13.15	540.00	7.08
240.00	12.91	550.00	6.96
250.00	12.54	560.00	6.87
260.00	12.26	570.00	6.83
270.00	12.06	580.00	6.75
280.00	11.81	590.00	6.63
290.00	11.56	600.00	6.57
300.00	11.35		

Cruise: GULFCET 07 **Station:** 07-B06 **Probe Type:** T-7
Latitude: 26° 31.03' N **Longitude:** 92° 10.03' W **Date:** 10-Dec-1993 **Time:** 0541

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.08	310.00	11.12	620.00	6.60
10.00	23.74	320.00	10.96	630.00	6.49
20.00	23.74	330.00	10.71	640.00	6.40
30.00	23.74	340.00	10.43	650.00	6.27
40.00	23.73	350.00	10.24	660.00	6.21
50.00	23.73	360.00	9.97	670.00	6.15
60.00	22.38	370.00	9.73	680.00	6.09
70.00	20.84	380.00	9.51	690.00	6.05
80.00	19.56	390.00	9.38	700.00	5.97
90.00	18.86	400.00	9.27	710.00	5.91
100.00	17.88	410.00	9.11	720.00	5.85
110.00	17.44	420.00	8.88	730.00	5.82
120.00	16.81	430.00	8.74	740.00	5.78
130.00	16.32	440.00	8.57	750.00	5.71
140.00	16.01	450.00	8.47	760.00	5.67
150.00	15.59	460.00	8.34		
160.00	15.23	470.00	8.20		
170.00	14.87	480.00	8.09		
180.00	14.38	490.00	7.96		
190.00	14.11	500.00	7.86		
200.00	13.83	510.00	7.69		
210.00	13.64	520.00	7.60		
220.00	13.32	530.00	7.48		
230.00	13.04	540.00	7.42		
240.00	12.67	550.00	7.32		
250.00	12.46	560.00	7.22		
260.00	12.18	570.00	7.08		
270.00	12.02	580.00	6.97		
280.00	11.79	590.00	6.86		
290.00	11.54	600.00	6.79		
300.00	11.38	610.00	6.71		

Cruise: GULFCET 07 **Station:** 08-079 **Probe Type:** T-7
Latitude: 27° 22.98' N **Longitude:** 91° 29.90' W **Date:** 9-Dec-1993 **Time:** 1429

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.63	310.00	12.12	620.00	7.01
10.00	24.11	320.00	11.92	630.00	6.88
20.00	24.10	330.00	11.60	640.00	6.79
30.00	24.10	340.00	11.46	650.00	6.66
40.00	24.04	350.00	11.26	660.00	6.56
50.00	23.93	360.00	11.02	670.00	6.50
60.00	23.82	370.00	10.82	680.00	6.40
70.00	23.42	380.00	10.63	690.00	6.32
80.00	21.58	390.00	10.33	700.00	6.28
90.00	20.57	400.00	10.14	710.00	6.20
100.00	20.01	410.00	10.06	720.00	6.13
110.00	19.67	420.00	9.84	730.00	6.06
120.00	18.94	430.00	9.64	740.00	6.01
130.00	18.43	440.00	9.46	750.00	5.96
140.00	18.04	450.00	9.35	760.00	5.89
150.00	17.48	460.00	9.19	770.00	5.84
160.00	16.92	470.00	9.01	780.00	5.77
170.00	16.43	480.00	8.88	790.00	5.72
180.00	15.99	490.00	8.68	800.00	5.68
190.00	15.75	500.00	8.54	810.00	5.60
200.00	15.44	510.00	8.44		
210.00	15.19	520.00	8.34		
220.00	14.96	530.00	8.21		
230.00	14.61	540.00	8.03		
240.00	14.34	550.00	7.95		
250.00	14.06	560.00	7.80		
260.00	13.71	570.00	7.62		
270.00	13.46	580.00	7.52		
280.00	13.17	590.00	7.38		
290.00	12.72	600.00	7.31		
300.00	12.45	610.00	7.22		

Cruise: GULFCET 07 Station: 08-081 Probe Type: T-7
 Latitude: 27° 32.92' N Longitude: 91° 29.87' W Date: 9-Dec-1993 Time: 1211

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.26	310.00	12.08	620.00	7.03
10.00	24.06	320.00	11.91	630.00	6.92
20.00	24.00	330.00	11.68	640.00	6.85
30.00	23.98	340.00	11.47	650.00	6.80
40.00	23.94	350.00	11.22	660.00	6.76
50.00	23.23	360.00	11.01	670.00	6.64
60.00	22.48	370.00	10.78	680.00	6.57
70.00	21.87	380.00	10.58	690.00	6.49
80.00	21.41	390.00	10.41	700.00	6.42
90.00	20.83	400.00	10.24	710.00	6.31
100.00	19.92	410.00	9.97	720.00	6.24
110.00	19.22	420.00	9.84	730.00	6.19
120.00	18.65	430.00	9.67	740.00	6.15
130.00	18.07	440.00	9.45	750.00	6.06
140.00	17.65	450.00	9.25	760.00	6.00
150.00	17.07	460.00	9.07	770.00	5.92
160.00	16.64	470.00	8.96	780.00	5.86
170.00	16.30	480.00	8.76	790.00	5.77
180.00	16.02	490.00	8.61	800.00	5.70
190.00	15.72	500.00	8.40		
200.00	15.23	510.00	8.37		
210.00	14.90	520.00	8.27		
220.00	14.62	530.00	8.17		
230.00	14.14	540.00	8.02		
240.00	13.92	550.00	7.87		
250.00	13.55	560.00	7.70		
260.00	13.25	570.00	7.51		
270.00	12.99	580.00	7.41		
280.00	12.72	590.00	7.34		
290.00	12.48	600.00	7.20		
300.00	12.25	610.00	7.12		

Cruise: GULFCET 07 Station: 08-082 Probe Type: T-7
 Latitude: 27° 45.31' N Longitude: 91° 30.00' W Date: 9-Dec-1993 Time: 1027

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.02	310.00	11.71	620.00	7.11
10.00	24.82	320.00	11.53	630.00	7.02
20.00	24.80	330.00	11.21	640.00	6.88
30.00	24.32	340.00	11.03	650.00	6.77
40.00	24.07	350.00	10.81	660.00	6.71
50.00	23.70	360.00	10.56	670.00	6.69
60.00	23.13	370.00	10.44	680.00	6.64
70.00	22.41	380.00	10.39	690.00	6.58
80.00	21.31	390.00	10.19	700.00	6.51
90.00	20.48	400.00	10.03	710.00	6.39
100.00	19.39	410.00	9.80		
110.00	18.96	420.00	9.61		
120.00	18.23	430.00	9.44		
130.00	17.86	440.00	9.36		
140.00	17.35	450.00	9.20		
150.00	16.94	460.00	8.94		
160.00	16.63	470.00	8.72		
170.00	16.09	480.00	8.57		
180.00	15.77	490.00	8.52		
190.00	15.29	500.00	8.45		
200.00	14.85	510.00	8.41		
210.00	14.62	520.00	8.29		
220.00	14.30	530.00	8.22		
230.00	13.90	540.00	8.15		
240.00	13.65	550.00	8.05		
250.00	13.42	560.00	7.94		
260.00	12.93	570.00	7.86		
270.00	12.60	580.00	7.73		
280.00	12.33	590.00	7.65		
290.00	12.22	600.00	7.48		
300.00	11.91	610.00	7.27		

Cruise: GULFCET 07
Latitude: 27° 49.51' N

Station: 08-083
Longitude: 91° 29.98' W

Probe Type: T-7
Date: 9-Dec-1993 Time: 0951

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.39	310.00	11.95
10.00	25.18	320.00	11.60
20.00	24.88	330.00	11.11
30.00	24.53	340.00	11.01
40.00	24.10	350.00	10.84
50.00	23.98	360.00	10.69
60.00	23.24		
70.00	22.43		
80.00	21.97		
90.00	20.54		
100.00	19.71		
110.00	19.16		
120.00	18.80		
130.00	18.06		
140.00	17.46		
150.00	17.10		
160.00	16.80		
170.00	16.46		
180.00	15.89		
190.00	15.33		
200.00	15.05		
210.00	14.72		
220.00	14.31		
230.00	14.06		
240.00	13.76		
250.00	13.39		
260.00	13.16		
270.00	12.98		
280.00	12.64		
290.00	12.48		
300.00	12.27		

Cruise: GULFCET 07
Latitude: 27° 51.99' N

Station: 08-084
Longitude: 91° 30.01' W

Probe Type: T-7
Date: 9-Dec-1993 Time: 0930

Depth (m)	Temp. (°C)
0.00	25.03
10.00	25.00
20.00	25.00
30.00	24.73
40.00	24.25
50.00	23.92
60.00	23.83
70.00	22.73
80.00	21.26
90.00	20.44
100.00	19.57
110.00	18.83
120.00	18.10
130.00	17.88
140.00	17.42
150.00	16.97
160.00	16.59
170.00	16.07
180.00	15.70
190.00	15.24
200.00	15.00
210.00	14.67
220.00	14.06
230.00	13.77
240.00	13.37

Cruise: GULFCET 07
Latitude: 27° 52.99' N

Station: 08-085
Longitude: 91° 30.07' W

Probe Type: T-10
Date: 9-Dec-1993
Time: 0922

Depth (m)	Temp. (°C)
0.00	25.07
10.00	24.89
20.00	24.89
30.00	24.89
40.00	24.25
50.00	24.04
60.00	23.87
70.00	22.91
80.00	21.61
90.00	20.69
100.00	20.07
110.00	19.19
120.00	18.79
130.00	17.94
140.00	17.63
150.00	17.32
160.00	16.24
170.00	15.96
180.00	15.75
190.00	15.12

Cruise: GULFCET 07
Latitude: 27° 00.00' N

Station: 08-B05
Longitude: 91° 30.00' W

Probe Type: T-7
Date: 9-Dec-1993
Time: 1757

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.97	310.00	12.36	620.00	7.11
10.00	24.48	320.00	12.11	630.00	7.01
20.00	24.47	330.00	11.92	640.00	6.91
30.00	24.43	340.00	11.72	650.00	6.80
40.00	24.36	350.00	11.43	660.00	6.77
50.00	24.23	360.00	11.20	670.00	6.68
60.00	24.04	370.00	10.99	680.00	6.59
70.00	23.84	380.00	10.65	690.00	6.50
80.00	23.26	390.00	10.51	700.00	6.44
90.00	21.26	400.00	10.34	710.00	6.36
100.00	20.41	410.00	10.19	720.00	6.31
110.00	19.85	420.00	10.04	730.00	6.25
120.00	19.03	430.00	9.84	740.00	6.15
130.00	18.42	440.00	9.53	750.00	6.07
140.00	17.70	450.00	9.41	760.00	6.02
150.00	17.20	460.00	9.23	770.00	5.98
160.00	16.84	470.00	9.10	780.00	5.91
170.00	16.50	480.00	8.88	790.00	5.83
180.00	16.09	490.00	8.71	800.00	5.79
190.00	15.77	500.00	8.63	810.00	5.73
200.00	15.46	510.00	8.50	820.00	5.69
210.00	15.10	520.00	8.33		
220.00	14.77	530.00	8.24		
230.00	14.45	540.00	8.11		
240.00	14.26	550.00	8.05		
250.00	13.90	560.00	7.88		
260.00	13.57	570.00	7.73		
270.00	13.37	580.00	7.57		
280.00	13.19	590.00	7.50		
290.00	12.86	600.00	7.39		
300.00	12.55	610.00	7.27		

Cruise: GULFCET 07
Latitude: 28° 02.49' N

Station: 09-088
Longitude: 90° 49.98' W

Probe Type: T-10
Date: 9-Dec-1993
Time: 0149

Depth (m)	Temp. (°C)
0.00	23.49
10.00	23.43
20.00	23.42
30.00	23.42
40.00	23.42
50.00	23.39
60.00	23.36
70.00	23.32
80.00	22.56
90.00	19.11
100.00	18.94
110.00	18.18
120.00	17.65
130.00	17.33
140.00	17.10
150.00	16.81
160.00	16.59
170.00	16.26
180.00	16.16
190.00	15.79

Cruise: GULFCET 07
Latitude: 28° 00.08' N

Station: 09-089
Longitude: 90° 50.33' W

Probe Type: T-7
Date: 9-Dec-1993
Time: 0129

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.73	310.00	12.11
10.00	23.44	320.00	11.71
20.00	23.43		
30.00	23.33		
40.00	23.28		
50.00	23.24		
60.00	23.19		
70.00	23.13		
80.00	22.33		
90.00	20.07		
100.00	18.69		
110.00	17.67		
120.00	17.29		
130.00	16.99		
140.00	16.76		
150.00	16.57		
160.00	16.32		
170.00	16.03		
180.00	15.72		
190.00	15.55		
200.00	15.34		
210.00	15.19		
220.00	14.83		
230.00	14.46		
240.00	14.01		
250.00	13.90		
260.00	13.71		
270.00	13.07		
280.00	12.89		
290.00	12.42		
300.00	12.28		

Cruise: GULFCET 07
Latitude: 27° 51.99' N

Station: 09-090
Longitude: 90° 49.91' W

Probe Type: T-7
Date: 9-Dec-1993 Time: 0020

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.19	310.00	12.11
10.00	24.11	320.00	12.05
20.00	23.85	330.00	11.93
30.00	23.78	340.00	11.51
40.00	23.44	350.00	11.28
50.00	23.29	360.00	11.13
60.00	23.24	370.00	10.99
70.00	23.25	380.00	10.81
80.00	22.48	390.00	10.78
90.00	20.82	400.00	10.71
100.00	20.19	410.00	10.71
110.00	19.19	420.00	10.68
120.00	18.28	430.00	10.69
130.00	17.88	440.00	9.98
140.00	17.40		
150.00	16.94		
160.00	16.45		
170.00	16.03		
180.00	15.77		
190.00	15.32		
200.00	15.14		
210.00	14.80		
220.00	14.35		
230.00	14.01		
240.00	13.58		
250.00	13.22		
260.00	12.89		
270.00	12.73		
280.00	12.62		
290.00	12.50		
300.00	12.39		

Cruise: GULFCET 07
Latitude: 27° 45.98' N

Station: 09-091
Longitude: 90° 50.03' W

Probe Type: T-7
Date: 8-Dec-1993 Time: 2230

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.92	310.00	11.86	620.00	7.01
10.00	24.97	320.00	11.51	630.00	6.94
20.00	24.92	330.00	11.23	640.00	6.90
30.00	24.37	340.00	10.88	650.00	6.89
40.00	24.30	350.00	10.67	660.00	6.86
50.00	23.99	360.00	10.50	670.00	6.71
60.00	23.70	370.00	10.43		
70.00	23.58	380.00	10.27		
80.00	23.18	390.00	10.15		
90.00	21.20	400.00	10.01		
100.00	20.43	410.00	9.79		
110.00	19.83	420.00	9.73		
120.00	19.26	430.00	9.68		
130.00	18.81	440.00	9.59		
140.00	18.19	450.00	9.55		
150.00	17.31	460.00	9.48		
160.00	16.73	470.00	9.39		
170.00	16.37	480.00	9.23		
180.00	15.89	490.00	9.08		
190.00	15.40	500.00	9.03		
200.00	15.17	510.00	8.98		
210.00	14.83	520.00	8.87		
220.00	14.29	530.00	8.42		
230.00	13.99	540.00	7.92		
240.00	13.65	550.00	7.67		
250.00	13.26	560.00	7.55		
260.00	12.93	570.00	7.43		
270.00	12.81	580.00	7.24		
280.00	12.60	590.00	7.17		
290.00	12.25	600.00	7.11		
300.00	11.95	610.00	7.08		

Cruise: GULFCET 07 **Station:** 09-092 **Probe Type:** T-7
Latitude: 27° 39.49' N **Longitude:** 90° 50.02' W **Date:** 8-Dec-1993 **Time:** 2236

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.33	310.00	12.23
10.00	25.38	320.00	12.00
20.00	25.39	330.00	11.75
30.00	25.38	340.00	11.56
40.00	25.22	350.00	11.31
50.00	24.97	360.00	11.07
60.00	24.65	370.00	10.80
70.00	24.28	380.00	10.58
80.00	23.66	390.00	10.51
90.00	22.61	400.00	10.35
100.00	21.82	410.00	10.14
110.00	20.92	420.00	9.98
120.00	20.13	430.00	9.73
130.00	19.41	440.00	9.57
140.00	18.83	450.00	9.36
150.00	18.24	460.00	9.02
160.00	17.60	470.00	8.93
170.00	17.14	480.00	8.87
180.00	16.69	490.00	8.71
190.00	16.29	500.00	8.64
200.00	15.92		
210.00	15.55		
220.00	15.20		
230.00	14.94		
240.00	14.56		
250.00	14.18		
260.00	13.79		
270.00	13.45		
280.00	13.21		
290.00	12.78		
300.00	12.44		

Cruise: GULFCET 07 **Station:** 09-094 **Probe Type:** T-7
Latitude: 27° 15.97' N **Longitude:** 90° 50.01' W **Date:** 8-Dec-1993 **Time:** 1810

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.61	310.00	12.97	620.00	7.29
10.00	25.55	320.00	12.79	630.00	7.17
20.00	25.55	330.00	12.59	640.00	7.06
30.00	25.55	340.00	12.33	650.00	6.97
40.00	25.56	350.00	11.96	660.00	6.90
50.00	25.56	360.00	11.66	670.00	6.80
60.00	25.58	370.00	11.38	680.00	6.68
70.00	25.62	380.00	11.21	690.00	6.58
80.00	25.17	390.00	10.94	700.00	6.44
90.00	23.18	400.00	10.72	710.00	6.35
100.00	22.90	410.00	10.52	720.00	6.30
110.00	21.97	420.00	10.32	730.00	6.25
120.00	21.21	430.00	10.19	740.00	6.15
130.00	21.05	440.00	9.99	750.00	6.07
140.00	20.26	450.00	9.76	760.00	5.99
150.00	19.71	460.00	9.58	770.00	5.92
160.00	19.05	470.00	9.37	780.00	5.85
170.00	18.43	480.00	9.20	790.00	5.79
180.00	17.78	490.00	9.01	800.00	5.75
190.00	17.34	500.00	8.82	810.00	5.70
200.00	17.01	510.00	8.76		
210.00	16.53	520.00	8.63		
220.00	16.05	530.00	8.48		
230.00	15.56	540.00	8.27		
240.00	15.20	550.00	8.07		
250.00	14.77	560.00	7.93		
260.00	14.45	570.00	7.80		
270.00	14.12	580.00	7.78		
280.00	13.84	590.00	7.60		
290.00	13.63	600.00	7.49		
300.00	13.39	610.00	7.42		

Cruise: GULFCET 07 **Station:** 09-B04 **Probe Type:** T-7
Latitude: 27° 00.02' N **Longitude:** 90° 49.80' W **Date:** 8-Dec-1993 **Time:** 1557

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.72	310.00	13.76	620.00	7.67
10.00	25.60	320.00	13.43	630.00	7.54
20.00	25.59	330.00	13.14	640.00	7.45
30.00	25.60	340.00	12.86	650.00	7.36
40.00	25.57	350.00	12.60	660.00	7.23
50.00	25.57	360.00	12.30	670.00	7.12
60.00	25.57	370.00	12.06	680.00	6.97
70.00	25.57	380.00	11.76	690.00	6.85
80.00	25.56	390.00	11.55	700.00	6.76
90.00	24.26	400.00	11.36	710.00	6.65
100.00	23.60	410.00	11.28	720.00	6.58
110.00	22.70	420.00	10.99	730.00	6.50
120.00	21.98	430.00	10.80	740.00	6.42
130.00	20.94	440.00	10.49	750.00	6.36
140.00	20.06	450.00	10.35	760.00	6.31
150.00	19.50	460.00	10.20	770.00	6.24
160.00	19.09	470.00	10.04	780.00	6.12
170.00	18.53	480.00	9.88	790.00	6.03
180.00	18.15	490.00	9.66	800.00	5.98
190.00	17.57	500.00	9.43	810.00	5.94
200.00	17.21	510.00	9.29	820.00	5.89
210.00	16.86	520.00	9.09		
220.00	16.51	530.00	8.91		
230.00	16.14	540.00	8.67		
240.00	15.81	550.00	8.53		
250.00	15.56	560.00	8.41		
260.00	15.30	570.00	8.29		
270.00	14.97	580.00	8.14		
280.00	14.68	590.00	8.00		
290.00	14.32	600.00	7.84		
300.00	14.01	610.00	7.78		

Cruise: GULFCET 07 **Station:** 10-098 **Probe Type:** T-7
Latitude: 27° 11.49' N **Longitude:** 90° 10.08' W **Date:** 8-Dec-1993 **Time:** 0713

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	25.09	310.00	12.05	620.00	7.07
10.00	25.07	320.00	11.79	630.00	6.99
20.00	25.07	330.00	11.57	640.00	6.86
30.00	25.07	340.00	11.35	650.00	6.76
40.00	25.07	350.00	11.02	660.00	6.68
50.00	25.07	360.00	10.91	670.00	6.59
60.00	24.90	370.00	10.76	680.00	6.51
70.00	24.52	380.00	10.55	690.00	6.40
80.00	23.83	390.00	10.29	700.00	6.33
90.00	23.38	400.00	10.21	710.00	6.26
100.00	22.59	410.00	10.06	720.00	6.16
110.00	21.53	420.00	9.87	730.00	6.10
120.00	20.70	430.00	9.71	740.00	6.01
130.00	19.83	440.00	9.50	750.00	5.93
140.00	19.09	450.00	9.36	760.00	5.86
150.00	18.56	460.00	9.23	770.00	5.79
160.00	18.10	470.00	8.96	780.00	5.74
170.00	17.79	480.00	8.77	790.00	5.70
180.00	17.01	490.00	8.65	800.00	5.63
190.00	16.51	500.00	8.50		
200.00	16.22	510.00	8.39		
210.00	15.67	520.00	8.22		
220.00	14.99	530.00	8.10		
230.00	14.63	540.00	7.97		
240.00	14.39	550.00	7.90		
250.00	14.09	560.00	7.79		
260.00	13.78	570.00	7.63		
270.00	13.43	580.00	7.56		
280.00	12.97	590.00	7.41		
290.00	12.57	600.00	7.28		
300.00	12.35	610.00	7.21		

Cruise: GULFCET 07 **Station:** 10-099 **Probe Type:** T-7
Latitude: 27° 40.01' N **Longitude:** 90° 09.85' W **Date:** 8-Dec-1993 **Time:** 0318

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.83	310.00	11.64	620.00	6.49
10.00	24.84	320.00	11.40	630.00	6.47
20.00	24.84	330.00	11.20	640.00	6.45
30.00	24.82	340.00	10.83	650.00	6.42
40.00	24.48	350.00	10.71	660.00	6.35
50.00	24.07	360.00	10.50	670.00	6.24
60.00	24.04	370.00	10.31	680.00	6.22
70.00	23.88	380.00	10.14	690.00	6.16
80.00	21.91	390.00	10.02	700.00	6.07
90.00	20.74	400.00	9.86	710.00	6.04
100.00	19.57	410.00	9.69	720.00	5.92
110.00	19.09	420.00	9.49	730.00	5.90
120.00	18.24	430.00	9.36	740.00	5.80
130.00	17.75	440.00	9.16	750.00	5.78
140.00	17.25	450.00	9.07	760.00	5.76
150.00	16.70	460.00	8.97	770.00	5.73
160.00	16.30	470.00	8.90	780.00	5.73
170.00	16.00	480.00	8.66	790.00	5.71
180.00	15.58	490.00	8.51	800.00	5.69
190.00	15.11	500.00	8.30	810.00	5.65
200.00	14.75	510.00	8.15	820.00	5.63
210.00	14.57	520.00	8.06		
220.00	14.36	530.00	7.91		
230.00	14.16	540.00	7.74		
240.00	13.95	550.00	7.60		
250.00	13.60	560.00	7.39		
260.00	13.33	570.00	7.22		
270.00	13.14	580.00	7.08		
280.00	12.67	590.00	7.00		
290.00	12.24	600.00	6.78		
300.00	12.02	610.00	6.60		

Cruise: GULFCET 07 **Station:** 10-101 **Probe Type:** T-7
Latitude: 27° 49.99' N **Longitude:** 90° 09.93' W **Date:** 8-Dec-1993 **Time:** 0117

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.20	310.00	11.31	620.00	7.28
10.00	24.16	320.00	11.23	630.00	7.26
20.00	24.14	330.00	11.03	640.00	7.25
30.00	23.92	340.00	10.82	650.00	7.17
40.00	23.80	350.00	10.67	660.00	7.00
50.00	23.72	360.00	10.49	670.00	6.95
60.00	23.67	370.00	10.38	680.00	6.85
70.00	23.19	380.00	10.22	690.00	6.65
80.00	21.09	390.00	10.03	700.00	6.53
90.00	19.97	400.00	9.90	710.00	6.02
100.00	18.65	410.00	9.73	720.00	5.96
110.00	17.62	420.00	9.61	730.00	5.90
120.00	16.85	430.00	9.50	740.00	5.87
130.00	16.56	440.00	9.25	750.00	5.82
140.00	16.36	450.00	9.10		
150.00	15.91	460.00	8.98		
160.00	15.63	470.00	8.66		
170.00	15.38	480.00	8.44		
180.00	15.01	490.00	8.17		
190.00	14.66	500.00	8.13		
200.00	14.31	510.00	8.08		
210.00	14.27	520.00	7.96		
220.00	13.91	530.00	7.91		
230.00	13.62	540.00	7.90		
240.00	13.17	550.00	7.82		
250.00	12.82	560.00	7.68		
260.00	12.61	570.00	7.66		
270.00	12.27	580.00	7.62		
280.00	12.06	590.00	7.53		
290.00	11.73	600.00	7.37		
300.00	11.51	610.00	7.31		

Cruise: GULFCET 07
Latitude: 28° 01.62' N

Station: 10-EX4
Longitude: 90° 10.07' W

Probe Type: T-7
Date: 8-Dec-1993 Time: 2335

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	21.55	310.00	11.90
10.00	21.57	320.00	11.76
20.00	22.83	330.00	11.63
30.00	22.91	340.00	11.52
40.00	22.96	350.00	11.38
50.00	23.26	360.00	11.32
60.00	22.43	370.00	11.14
70.00	20.71	380.00	11.08
80.00	19.01	390.00	10.76
90.00	18.27	400.00	10.50
100.00	17.83	410.00	10.34
110.00	17.32	420.00	10.31
120.00	16.85	430.00	10.24
130.00	16.51	440.00	10.18
140.00	16.30	450.00	10.15
150.00	16.16	460.00	10.00
160.00	15.54	470.00	9.77
170.00	15.10	480.00	9.54
180.00	14.98	490.00	9.47
190.00	14.83	500.00	9.42
200.00	14.31		
210.00	14.05		
220.00	13.67		
230.00	13.51		
240.00	13.21		
250.00	12.86		
260.00	12.60		
270.00	12.40		
280.00	12.22		
290.00	12.15		
300.00	12.12		

Cruise: GULFCET 07
Latitude: 28° 04.02' N

Station: 10-103
Longitude: 90° 10.09' W

Probe Type: T-7
Date: 7-Dec-1993 Time: 2314

Depth (m)	Temp. (°C)
0.00	21.23
10.00	21.76
20.00	22.91
30.00	22.98
40.00	23.36
50.00	23.11
60.00	22.19
70.00	20.30
80.00	19.12
90.00	18.17
100.00	17.67
110.00	17.02
120.00	16.69
130.00	16.15
140.00	15.90
150.00	15.53
160.00	15.30
170.00	15.14
180.00	15.01
190.00	14.72
200.00	14.45
210.00	14.07
220.00	13.79
230.00	13.63
240.00	13.46
250.00	13.28
260.00	13.14
270.00	12.96

Cruise: GULFCET 07
Latitude: 28° 09.50' N

Station: 10-104
Longitude: 90° 09.98' W

Probe Type: T-10
Date: 7-Dec-1993

Time: 2227

Depth (m)	Temp. (°C)
0.00	21.34
10.00	22.70
20.00	22.89
30.00	23.25
40.00	23.05
50.00	22.06
60.00	20.92
70.00	20.29
80.00	19.64
90.00	18.32
100.00	17.68
110.00	17.53
120.00	17.39
130.00	17.18
140.00	17.05
150.00	16.89
160.00	16.50
170.00	15.71
180.00	15.13

Cruise: GULFCET 07
Latitude: 27° 26.01' N

Station: 10-B03
Longitude: 90° 09.99' W

Probe Type: T-7
Date: 8-Dec-1993

Time: 0514

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.90	310.00	12.10	620.00	7.09
10.00	24.87	320.00	11.95	630.00	7.05
20.00	24.87	330.00	11.74	640.00	7.00
30.00	24.88	340.00	11.45	650.00	6.89
40.00	24.88	350.00	11.23	660.00	6.74
50.00	24.90	360.00	11.03	670.00	6.61
60.00	24.90	370.00	10.73	680.00	6.54
70.00	24.47	380.00	10.54	690.00	6.47
80.00	23.93	390.00	10.30	700.00	6.39
90.00	22.59	400.00	10.09	710.00	6.28
100.00	21.20	410.00	9.89	720.00	6.15
110.00	20.28	420.00	9.70	730.00	6.05
120.00	19.52	430.00	9.42	740.00	6.01
130.00	18.99	440.00	9.22	750.00	5.97
140.00	18.53	450.00	9.05	760.00	5.91
150.00	17.85	460.00	8.94	770.00	5.86
160.00	17.41	470.00	8.81	780.00	5.81
170.00	16.82	480.00	8.70	790.00	5.74
180.00	16.32	490.00	8.61	800.00	5.67
190.00	16.03	500.00	8.49	810.00	5.60
200.00	15.69	510.00	8.35	820.00	5.55
210.00	15.20	520.00	8.17		
220.00	14.82	530.00	8.10		
230.00	14.50	540.00	7.98		
240.00	14.16	550.00	7.85		
250.00	13.80	560.00	7.70		
260.00	13.45	570.00	7.60		
270.00	13.27	580.00	7.49		
280.00	13.06	590.00	7.37		
290.00	12.68	600.00	7.29		
300.00	12.40	610.00	7.21		

Cruise: GULFCET 07 **Station:** 11-107 **Probe Type:** T-7
Latitude: 28° 35.99' N **Longitude:** 89° 30.14' W **Date:** 7-Dec-1993 **Time:** 1446

Depth (m)	Temp. (°C)
0.00	22.53
10.00	22.81
20.00	22.85
30.00	22.88
40.00	22.96
50.00	23.40
60.00	22.16
70.00	21.17
80.00	19.79
90.00	18.86
100.00	17.93
110.00	17.27
120.00	16.65

Cruise: GULFCET 07 **Station:** 11-108 **Probe Type:** T-7
Latitude: 28° 32.00' N **Longitude:** 89° 30.11' W **Date:** 7-Dec-1993 **Time:** 1412

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.01	310.00	13.01
10.00	22.95	320.00	12.85
20.00	22.96	330.00	12.62
30.00	23.01	340.00	11.64
40.00	23.10		
50.00	23.10		
60.00	22.51		
70.00	21.16		
80.00	19.91		
90.00	19.06		
100.00	18.52		
110.00	17.74		
120.00	17.00		
130.00	16.91		
140.00	16.24		
150.00	15.68		
160.00	15.24		
170.00	15.16		
180.00	15.06		
190.00	15.04		
200.00	14.97		
210.00	14.91		
220.00	14.76		
230.00	14.28		
240.00	14.28		
250.00	14.22		
260.00	13.83		
270.00	13.58		
280.00	13.46		
290.00	13.40		
300.00	13.38		

Cruise: GULFCET 07
Latitude: 28° 28.03' N

Station: 11-109
Longitude: 89° 30.07' W

Probe Type: T-7
Date: 7-Dec-1993 Time: 1338

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.36	310.00	12.61
10.00	23.25	320.00	12.55
20.00	23.23	330.00	12.04
30.00	23.22	340.00	11.59
40.00	23.21	350.00	11.36
50.00	23.18	360.00	11.11
60.00	22.61	370.00	10.86
70.00	21.25	380.00	10.69
80.00	20.69	390.00	10.33
90.00	19.70	400.00	10.18
100.00	18.84	410.00	10.00
110.00	18.00	420.00	9.91
120.00	17.38	430.00	9.67
130.00	16.80	440.00	9.22
140.00	16.36	450.00	9.08
150.00	15.97	460.00	8.90
160.00	15.75	470.00	8.65
170.00	15.48	480.00	8.51
180.00	15.03	490.00	8.35
190.00	14.98	500.00	8.06
200.00	14.72		
210.00	14.39		
220.00	14.24		
230.00	13.91		
240.00	13.49		
250.00	13.26		
260.00	13.09		
270.00	12.99		
280.00	12.93		
290.00	12.86		
300.00	12.78		

Cruise: GULFCET 07
Latitude: 28° 21.53' N

Station: 11-110
Longitude: 89° 30.04' W

Probe Type: T-7
Date: 7-Dec-1993 Time: 1243

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.50	310.00	11.54	620.00	7.09
10.00	23.41	320.00	11.41	630.00	7.05
20.00	23.39	330.00	11.17	640.00	6.94
30.00	23.36	340.00	10.91	650.00	6.88
40.00	23.38	350.00	10.72	660.00	6.83
50.00	23.35	360.00	10.39	670.00	6.72
60.00	22.75	370.00	10.25	680.00	6.66
70.00	21.44	380.00	9.93	690.00	6.47
80.00	20.27	390.00	9.80	700.00	6.42
90.00	19.44	400.00	9.55	710.00	6.29
100.00	18.81	410.00	9.24	720.00	6.18
110.00	18.52	420.00	9.06		
120.00	17.79	430.00	8.89		
130.00	16.98	440.00	8.78		
140.00	16.58	450.00	8.72		
150.00	16.11	460.00	8.68		
160.00	15.69	470.00	8.65		
170.00	15.20	480.00	8.55		
180.00	14.81	490.00	8.46		
190.00	14.45	500.00	8.32		
200.00	14.34	510.00	8.26		
210.00	14.03	520.00	8.23		
220.00	13.77	530.00	8.14		
230.00	13.44	540.00	8.10		
240.00	13.19	550.00	8.07		
250.00	12.94	560.00	7.96		
260.00	12.71	570.00	7.86		
270.00	12.33	580.00	7.71		
280.00	12.07	590.00	7.62		
290.00	11.85	600.00	7.35		
300.00	11.64	610.00	7.13		

Cruise: GULFCET 07 Station: 11-111 Probe Type: T-7
 Latitude: 28° 15.00' N Longitude: 89° 30.02' W Date: 7-Dec-1993 Time: 1151

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.44	310.00	10.74	620.00	6.77
10.00	23.34	320.00	10.48	630.00	6.72
20.00	23.33	330.00	10.25	640.00	6.68
30.00	23.32	340.00	10.11	650.00	6.60
40.00	23.33	350.00	10.04	660.00	6.57
50.00	23.23	360.00	9.93	670.00	6.53
60.00	22.02	370.00	9.71	680.00	6.44
70.00	20.83	380.00	9.64	690.00	6.38
80.00	20.15	390.00	9.57	700.00	6.34
90.00	19.29	400.00	9.29	710.00	6.30
100.00	18.53	410.00	9.11	720.00	6.18
110.00	17.85	420.00	8.86	730.00	6.13
120.00	16.95	430.00	8.77	740.00	6.11
130.00	16.50	440.00	8.68	750.00	6.05
140.00	16.13	450.00	8.49	760.00	5.98
150.00	15.88	460.00	8.30	770.00	5.89
160.00	15.53	470.00	8.16	780.00	5.84
170.00	15.12	480.00	7.95	790.00	5.79
180.00	14.65	490.00	7.94	800.00	5.66
190.00	14.28	500.00	7.89		
200.00	13.82	510.00	7.78		
210.00	13.47	520.00	7.64		
220.00	13.30	530.00	7.45		
230.00	12.98	540.00	7.37		
240.00	12.60	550.00	7.29		
250.00	12.42	560.00	7.22		
260.00	12.00	570.00	7.16		
270.00	11.70	580.00	7.06		
280.00	11.59	590.00	7.00		
290.00	11.29	600.00	6.87		
300.00	11.01	610.00	6.79		

Cruise: GULFCET 07 Station: 11-113 Probe Type: T-7
 Latitude: 27° 38.14' N Longitude: 89° 29.98' W Date: 7-Dec-1993 Time: 0534

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.03	310.00	10.10	620.00	6.20
10.00	21.70	320.00	9.90	630.00	6.14
20.00	22.81	330.00	9.72	640.00	6.08
30.00	23.18	340.00	9.61	650.00	6.00
40.00	23.58	350.00	9.39	660.00	5.88
50.00	23.39	360.00	9.13	670.00	5.84
60.00	23.32	370.00	8.90	680.00	5.75
70.00	21.38	380.00	8.75	690.00	5.67
80.00	20.20	390.00	8.55	700.00	5.59
90.00	19.25	400.00	8.39	710.00	5.56
100.00	17.86	410.00	8.20	720.00	5.52
110.00	16.74	420.00	8.13	730.00	5.48
120.00	16.22	430.00	8.05	740.00	5.41
130.00	15.84	440.00	7.88	750.00	5.36
140.00	15.52	450.00	7.73	760.00	5.31
150.00	15.16	460.00	7.59	770.00	5.26
160.00	14.74	470.00	7.50	780.00	5.25
170.00	14.26	480.00	7.37	790.00	5.22
180.00	13.85	490.00	7.23	800.00	5.19
190.00	13.61	500.00	7.10	810.00	5.14
200.00	13.23	510.00	7.04	820.00	5.12
210.00	12.83	520.00	6.95		
220.00	12.53	530.00	6.88		
230.00	12.17	540.00	6.76		
240.00	11.90	550.00	6.66		
250.00	11.64	560.00	6.61		
260.00	11.36	570.00	6.55		
270.00	11.11	580.00	6.47		
280.00	10.91	590.00	6.40		
290.00	10.60	600.00	6.35		
300.00	10.38	610.00	6.27		

Cruise: GULFCET 07 **Station:** 11-B02 **Probe Type:** T-7
Latitude: 27° 52.00' N **Longitude:** 89° 30.03' W **Date:** 7-Dec-1993 **Time:** 0744

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	24.45	310.00	10.15	620.00	6.20
10.00	23.08	320.00	9.94	630.00	6.14
20.00	23.03	330.00	9.81	640.00	6.11
30.00	23.03	340.00	9.62	650.00	6.02
40.00	23.00	350.00	9.47	660.00	5.97
50.00	22.95	360.00	9.33	670.00	5.94
60.00	21.45	370.00	9.13	680.00	5.92
70.00	19.69	380.00	8.90	690.00	5.86
80.00	18.78	390.00	8.70	700.00	5.80
90.00	18.05	400.00	8.51	710.00	5.76
100.00	17.23	410.00	8.16	720.00	5.72
110.00	16.52	420.00	7.97	730.00	5.68
120.00	15.98	430.00	7.88	740.00	5.65
130.00	15.44	440.00	7.77	750.00	5.59
140.00	14.92	450.00	7.68	760.00	5.56
150.00	14.48	460.00	7.57	770.00	5.49
160.00	14.17	470.00	7.47	780.00	5.42
170.00	13.73	480.00	7.36	790.00	5.39
180.00	13.51	490.00	7.29	800.00	5.33
190.00	13.27	500.00	7.24	810.00	5.28
200.00	13.09	510.00	7.15		
210.00	12.85	520.00	7.08		
220.00	12.53	530.00	6.97		
230.00	12.17	540.00	6.88		
240.00	11.92	550.00	6.78		
250.00	11.68	560.00	6.73		
260.00	11.28	570.00	6.67		
270.00	11.15	580.00	6.59		
280.00	10.90	590.00	6.49		
290.00	10.68	600.00	6.38		
300.00	10.33	610.00	6.30		

Cruise: GULFCET 07 **Station:** 12-118 **Probe Type:** T-7
Latitude: 28° 14.28' N **Longitude:** 88° 50.15' W **Date:** 6-Dec-1993 **Time:** 1426

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.42	310.00	11.39	620.00	6.78
10.00	23.40	320.00	11.19	630.00	6.72
20.00	23.42	330.00	11.01	640.00	6.69
30.00	23.41	340.00	10.81	650.00	6.63
40.00	23.42	350.00	10.71	660.00	6.59
50.00	23.48	360.00	10.51	670.00	6.52
60.00	23.03	370.00	10.23	680.00	6.45
70.00	21.16	380.00	10.11	690.00	6.34
80.00	20.50	390.00	10.00	700.00	6.25
90.00	19.60	400.00	9.82	710.00	6.14
100.00	19.04	410.00	9.66	720.00	6.04
110.00	18.47	420.00	9.46	730.00	6.01
120.00	17.78	430.00	9.31	740.00	5.95
130.00	17.41	440.00	9.18	750.00	5.89
140.00	17.14	450.00	8.95	760.00	5.80
150.00	16.66	460.00	8.74	770.00	5.75
160.00	16.12	470.00	8.57	780.00	5.70
170.00	15.73	480.00	8.46	790.00	5.65
180.00	15.25	490.00	8.32	800.00	5.63
190.00	14.95	500.00	8.16	810.00	5.58
200.00	14.52	510.00	8.00	820.00	5.53
210.00	14.20	520.00	7.82		
220.00	13.91	530.00	7.70		
230.00	13.61	540.00	7.57		
240.00	13.17	550.00	7.44		
250.00	12.85	560.00	7.37		
260.00	12.56	570.00	7.25		
270.00	12.35	580.00	7.17		
280.00	12.09	590.00	7.11		
290.00	11.85	600.00	6.97		
300.00	11.67	610.00	6.87		

Cruise: GULFCET 07 Station: 12-120 Probe Type: T-7
 Latitude: 28° 43.49' N Longitude: 88° 49.90' W Date: 6-Dec-1993 Time: 0932

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.42	310.00	11.80	620.00	7.28
10.00	23.44	320.00	11.66	630.00	7.11
20.00	23.44	330.00	11.56	640.00	6.96
30.00	23.44	340.00	11.42	650.00	6.83
40.00	23.44	350.00	11.15	660.00	6.75
50.00	23.45	360.00	10.96	670.00	6.57
60.00	23.43	370.00	10.73	680.00	6.47
70.00	21.91	380.00	10.50	690.00	6.36
80.00	21.47	390.00	10.39	700.00	6.21
90.00	20.65	400.00	10.26	710.00	6.12
100.00	19.20	410.00	10.06	720.00	6.02
110.00	18.57	420.00	9.94	730.00	5.95
120.00	18.13	430.00	9.78	740.00	5.88
130.00	17.49	440.00	9.60	750.00	5.82
140.00	17.00	450.00	9.40	760.00	5.76
150.00	16.40	460.00	9.22	770.00	5.70
160.00	15.97	470.00	8.95	780.00	5.64
170.00	15.56	480.00	8.75	790.00	5.58
180.00	15.16	490.00	8.60	800.00	5.53
190.00	14.92	500.00	8.50	810.00	5.44
200.00	14.65	510.00	8.36	820.00	5.42
210.00	14.34	520.00	8.24		
220.00	14.18	530.00	8.21		
230.00	13.96	540.00	8.12		
240.00	13.76	550.00	8.02		
250.00	13.36	560.00	7.91		
260.00	13.09	570.00	7.65		
270.00	12.78	580.00	7.67		
280.00	12.71	590.00	7.59		
290.00	12.39	600.00	7.47		
300.00	12.04	610.00	7.38		

Cruise: GULFCET 07 Station: 12-121 Probe Type: T-7
 Latitude: 28° 46.99' N Longitude: 88° 50.00' W Date: 6-Dec-1993 Time: 0903

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	21.73	310.00	11.95	620.00	7.21
10.00	22.04	320.00	11.75	630.00	7.07
20.00	23.04	330.00	11.59	640.00	6.99
30.00	23.52	340.00	11.37	650.00	6.90
40.00	23.77	350.00	11.12	660.00	6.88
50.00	23.85	360.00	10.96	670.00	6.81
60.00	23.69	370.00	10.75	680.00	6.57
70.00	22.24	380.00	10.63	690.00	6.36
80.00	20.90	390.00	10.39		
90.00	20.03	400.00	10.18		
100.00	19.17	410.00	10.02		
110.00	18.23	420.00	9.86		
120.00	17.69	430.00	9.71		
130.00	17.20	440.00	9.46		
140.00	16.67	450.00	9.25		
150.00	16.34	460.00	9.12		
160.00	16.06	470.00	8.95		
170.00	15.73	480.00	8.83		
180.00	15.31	490.00	8.74		
190.00	15.10	500.00	8.66		
200.00	14.90	510.00	8.50		
210.00	14.58	520.00	8.30		
220.00	14.26	530.00	8.17		
230.00	13.98	540.00	7.96		
240.00	13.69	550.00	7.85		
250.00	13.45	560.00	7.85		
260.00	13.33	570.00	7.70		
270.00	13.10	580.00	7.62		
280.00	12.73	590.00	7.57		
290.00	12.42	600.00	7.31		
300.00	12.19	610.00	7.28		

Cruise: GULFCET 07
Latitude: 28° 53.00' N

Station: 12-122
Longitude: 88° 89.95' W

Probe Type: T-7
Date: 6-Dec-1993 Time: 0812

Depth (m)	Temp. (°C)
0.00	21.50
10.00	21.82
20.00	22.20
30.00	22.93
40.00	23.29
50.00	23.19
60.00	22.58
70.00	21.26
80.00	19.76
90.00	19.32
100.00	18.67
110.00	18.01
120.00	17.29
130.00	16.93
140.00	16.44
150.00	16.13
160.00	15.80
170.00	15.43
180.00	15.13
190.00	14.87
200.00	14.62
210.00	14.41
220.00	14.17
230.00	13.96
240.00	13.84
250.00	13.73

Cruise: GULFCET 07
Latitude: 28° 55.48' N

Station: 12-123
Longitude: 88° 49.95' W

Probe Type: T-7
Date: 6-Dec-1993 Time:

Depth (m)	Temp. (°C)
0.00	20.75
10.00	21.13
20.00	22.03
30.00	22.94
40.00	22.91
50.00	22.93
60.00	22.49
70.00	21.09
80.00	20.47
90.00	19.45
100.00	18.88
110.00	18.37
120.00	17.92
130.00	17.46
140.00	16.97
150.00	16.61
160.00	16.33
170.00	16.10
180.00	15.59
190.00	15.31
200.00	15.02
210.00	14.92
220.00	14.85
230.00	14.76
240.00	14.72
250.00	14.66
260.00	14.65
270.00	14.60
280.00	14.58
290.00	14.52
300.00	13.15

Cruise: GULFCET 07 **Station:** 12-124 **Probe Type:** T-10
Latitude: 29° 00.00' N **Longitude:** 88° 49.96' W **Date:** 6-Dec-1993 **Time:** 0711

Depth (m)	Temp. (°C)
0.00	20.32
10.00	21.49
20.00	22.13
30.00	23.31
40.00	23.34
50.00	23.31
60.00	21.29
70.00	20.21
80.00	18.80
90.00	18.19
100.00	17.83
110.00	17.59
120.00	17.38
130.00	17.24
140.00	16.66
150.00	16.28
160.00	16.07
170.00	16.02
180.00	16.01
190.00	16.00

Cruise: GULFCET 07 **Station:** 12-B01 **Probe Type:** T-7
Latitude: 28° 00.01' N **Longitude:** 88° 50.08' W **Date:** 6-Dec-1993 **Time:** 1628

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.15	310.00	10.92	620.00	6.36
10.00	23.10	320.00	10.73	630.00	6.32
20.00	23.09	330.00	10.51	640.00	6.20
30.00	23.07	340.00	10.33	650.00	6.13
40.00	23.01	350.00	10.20	660.00	6.08
50.00	22.92	360.00	9.94	670.00	6.03
60.00	21.82	370.00	9.68	680.00	5.97
70.00	20.35	380.00	9.54	690.00	5.85
80.00	19.46	390.00	9.34	700.00	5.79
90.00	18.92	400.00	9.15	710.00	5.77
100.00	18.09	410.00	9.05	720.00	5.72
110.00	17.58	420.00	8.93	730.00	5.68
120.00	16.71	430.00	8.73	740.00	5.62
130.00	16.14	440.00	8.53	750.00	5.57
140.00	15.68	450.00	8.45	760.00	5.53
150.00	15.27	460.00	8.20	770.00	5.47
160.00	14.89	470.00	8.08	780.00	5.44
170.00	14.53	480.00	7.90	790.00	5.40
180.00	14.23	490.00	7.70	800.00	5.37
190.00	13.93	500.00	7.58	810.00	5.32
200.00	13.60	510.00	7.44	820.00	5.29
210.00	13.35	520.00	7.33		
220.00	13.09	530.00	7.19		
230.00	12.88	540.00	7.09		
240.00	12.56	550.00	6.98		
250.00	12.20	560.00	6.89		
260.00	11.98	570.00	6.79		
270.00	11.74	580.00	6.71		
280.00	11.54	590.00	6.61		
290.00	11.25	600.00	6.51		
300.00	11.09	610.00	6.44		

Cruise: GULFCET 07 **Station:** 13-127 **Probe Type:** T-10
Latitude: 29° 13.01' N **Longitude:** 88° 10.00' W **Date:** 6-Dec-1993 **Time:** 0031

Depth (m)	Temp. (°C)
0.00	23.10
10.00	23.09
20.00	23.09
30.00	23.09
40.00	23.09
50.00	23.09
60.00	21.98
70.00	20.69
80.00	20.03
90.00	19.28
100.00	18.62
110.00	18.16
120.00	17.68
130.00	17.27
140.00	17.03
150.00	16.76
160.00	16.48
170.00	16.38

Cruise: GULFCET 07 **Station:** 13-128 **Probe Type:** T-7
Latitude: 29° 10.50' N **Longitude:** 88° 09.97' W **Date:** 6-Dec-1993 **Time:** 0110

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.82	310.00	12.65
10.00	22.73	320.00	12.72
20.00	22.75	330.00	12.66
30.00	22.75	340.00	12.82
40.00	22.76	350.00	12.86
50.00	22.75	360.00	12.20
60.00	22.13		
70.00	21.00		
80.00	20.16		
90.00	19.28		
100.00	18.44		
110.00	17.91		
120.00	17.46		
130.00	17.04		
140.00	16.77		
150.00	16.49		
160.00	16.23		
170.00	16.01		
180.00	15.80		
190.00	15.62		
200.00	15.50		
210.00	15.16		
220.00	14.84		
230.00	14.75		
240.00	14.52		
250.00	14.21		
260.00	13.95		
270.00	13.81		
280.00	13.56		
290.00	13.26		
300.00	12.71		

Cruise: GULFCET 07 Station: 13-129 Probe Type: T-7
 Latitude: 29° 08.52' N Longitude: 88° 10.10' W Date: 6-Dec-1993 Time: 0054

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.62	310.00	12.37
10.00	22.58	320.00	12.17
20.00	22.60	330.00	11.97
30.00	22.60	340.00	11.68
40.00	22.64	350.00	11.52
50.00	22.67	360.00	11.29
60.00	22.38	370.00	11.22
70.00	21.19	380.00	10.98
80.00	20.49	390.00	10.84
90.00	19.56	400.00	10.71
100.00	19.01	410.00	10.54
110.00	18.25	420.00	10.35
120.00	17.86	430.00	10.13
130.00	17.38	440.00	9.68
140.00	16.89	450.00	9.40
150.00	16.69	460.00	9.25
160.00	16.38	470.00	9.08
170.00	16.08	480.00	8.74
180.00	15.83	490.00	8.63
190.00	15.54		
200.00	15.24		
210.00	14.89		
220.00	14.67		
230.00	14.52		
240.00	14.26		
250.00	14.05		
260.00	13.76		
270.00	13.52		
280.00	13.29		
290.00	12.95		
300.00	12.69		

Cruise: GULFCET 07 Station: 13-130 Probe Type: T-7
 Latitude: 29° 05.00' N Longitude: 88° 10.02' W Date: 6-Dec-1993 Time: 0024

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.52	310.00	11.96	620.00	6.91
10.00	22.48	320.00	11.72	630.00	6.77
20.00	22.50	330.00	11.55	640.00	6.68
30.00	22.57	340.00	11.32	650.00	6.60
40.00	22.60	350.00	11.13	660.00	6.47
50.00	22.64	360.00	10.87	670.00	6.37
60.00	22.57	370.00	10.79	680.00	6.32
70.00	21.28	380.00	10.67	690.00	6.17
80.00	20.21	390.00	10.41	700.00	6.08
90.00	19.48	400.00	10.31	710.00	6.01
100.00	19.11	410.00	10.07	720.00	5.92
110.00	18.45	420.00	9.90	730.00	5.82
120.00	17.82	430.00	9.77	740.00	5.75
130.00	17.41	440.00	9.60		
140.00	17.00	450.00	9.44		
150.00	16.59	460.00	9.21		
160.00	16.21	470.00	8.99		
170.00	15.78	480.00	8.89		
180.00	15.53	490.00	8.80		
190.00	15.05	500.00	8.62		
200.00	14.75	510.00	8.48		
210.00	14.43	520.00	8.35		
220.00	14.15	530.00	8.14		
230.00	13.86	540.00	7.92		
240.00	13.60	550.00	7.70		
250.00	13.35	560.00	7.52		
260.00	13.15	570.00	7.46		
270.00	12.89	580.00	7.33		
280.00	12.63	590.00	7.19		
290.00	12.35	600.00	7.15		
300.00	12.19	610.00	7.05		

Cruise: GULFCET 07 **Station:** 13-131 **Probe Type:** T-7
Latitude: 29° 02.99' N **Longitude:** 88° 10.04' W **Date:** 6-Dec-1993 **Time:** 0008

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.37	310.00	11.97	620.00	7.08
10.00	23.36	320.00	11.76	630.00	6.93
20.00	23.35	330.00	11.51	640.00	6.87
30.00	23.35	340.00	11.26	650.00	6.79
40.00	23.35	350.00	10.98	660.00	6.72
50.00	23.32	360.00	10.75	670.00	6.66
60.00	23.00	370.00	10.58	680.00	6.54
70.00	21.67	380.00	10.44	690.00	6.44
80.00	20.81	390.00	10.24	700.00	6.35
90.00	19.95	400.00	10.08	710.00	6.25
100.00	19.24	410.00	9.95	720.00	6.16
110.00	18.58	420.00	9.81	730.00	6.10
120.00	18.08	430.00	9.62	740.00	6.03
130.00	17.44	440.00	9.44	750.00	5.97
140.00	16.99	450.00	9.34	760.00	5.92
150.00	16.58	460.00	9.15	770.00	5.86
160.00	16.16	470.00	8.98	780.00	5.78
170.00	15.89	480.00	8.85	790.00	5.66
180.00	15.62	490.00	8.75	800.00	5.64
190.00	15.25	500.00	8.58	810.00	5.58
200.00	14.99	510.00	8.45	820.00	5.54
210.00	14.65	520.00	8.29		
220.00	14.37	530.00	8.11		
230.00	14.06	540.00	8.01		
240.00	13.72	550.00	7.89		
250.00	13.51	560.00	7.79		
260.00	13.26	570.00	7.58		
270.00	13.01	580.00	7.43		
280.00	12.84	590.00	7.37		
290.00	12.58	600.00	7.21		
300.00	12.28	610.00	7.15		

Cruise: GULFCET 07 **Station:** 13-132 **Probe Type:** T-7
Latitude: 28° 48.98' N **Longitude:** 88° 10.01' W **Date:** 5-Dec-1993 **Time:** 2208

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.41	310.00	12.35	620.00	7.28
10.00	23.31	320.00	12.12	630.00	7.21
20.00	23.31	330.00	11.80	640.00	7.01
30.00	23.31	340.00	11.54	650.00	6.80
40.00	23.32	350.00	11.24	660.00	6.77
50.00	23.31	360.00	11.04	670.00	6.71
60.00	23.31	370.00	10.91	680.00	6.63
70.00	23.31	380.00	10.73	690.00	6.53
80.00	21.87	390.00	10.57	700.00	6.46
90.00	20.58	400.00	10.39	710.00	6.39
100.00	19.39	410.00	10.34	720.00	6.30
110.00	18.58	420.00	10.32	730.00	6.21
120.00	18.24	430.00	9.95	740.00	6.13
130.00	17.87	440.00	9.66	750.00	6.06
140.00	17.31	450.00	9.48	760.00	5.99
150.00	16.99	460.00	9.34	770.00	5.93
160.00	16.75	470.00	9.12	780.00	5.89
170.00	16.35	480.00	9.06	790.00	5.81
180.00	16.00	490.00	8.93	800.00	5.77
190.00	15.71	500.00	8.74	810.00	5.72
200.00	15.33	510.00	8.54	820.00	5.64
210.00	15.06	520.00	8.34		
220.00	14.66	530.00	8.14		
230.00	14.22	540.00	8.08		
240.00	13.96	550.00	8.02		
250.00	13.73	560.00	7.91		
260.00	13.45	570.00	7.75		
270.00	13.21	580.00	7.70		
280.00	12.96	590.00	7.59		
290.00	12.76	600.00	7.48		
300.00	12.53	610.00	7.37		

Cruise: GULFCET 07
Latitude: 29° 04.00' N

Station: 14-137
Longitude: 87° 29.95' W

Probe Type: T-7
Date: 5-Dec-1993 Time: 0820

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.74	310.00	11.65	620.00	6.98
10.00	22.74	320.00	11.42	630.00	6.90
20.00	22.74	330.00	11.18	640.00	6.73
30.00	22.75	340.00	11.01	650.00	6.62
40.00	22.75	350.00	10.81	660.00	6.50
50.00	22.75	360.00	10.64	670.00	6.42
60.00	22.74	370.00	10.45	680.00	6.35
70.00	21.37	380.00	10.32	690.00	6.27
80.00	20.57	390.00	10.07	700.00	6.20
90.00	19.61	400.00	9.84	710.00	6.13
100.00	19.01	410.00	9.75	720.00	6.03
110.00	18.32	420.00	9.64	730.00	5.95
120.00	17.74	430.00	9.39	740.00	5.88
130.00	17.16	440.00	9.22	750.00	5.82
140.00	16.86	450.00	9.04	760.00	5.75
150.00	16.42	460.00	8.85	770.00	5.67
160.00	16.01	470.00	8.71	780.00	5.61
170.00	15.66	480.00	8.65	790.00	5.57
180.00	15.28	490.00	8.56	800.00	5.55
190.00	14.96	500.00	8.40	810.00	5.52
200.00	14.59	510.00	8.31	820.00	5.47
210.00	14.16	520.00	8.17		
220.00	13.78	530.00	8.00		
230.00	13.59	540.00	7.84		
240.00	13.34	550.00	7.71		
250.00	13.02	560.00	7.71		
260.00	12.73	570.00	7.61		
270.00	12.49	580.00	7.51		
280.00	12.30	590.00	7.39		
290.00	12.08	600.00	7.25		
300.00	11.87	610.00	7.11		

Cruise: GULFCET 07
Latitude: 29° 15.01' N

Station: 14-138
Longitude: 87° 30.00' W

Probe Type: T-7
Date: 5-Dec-1993 Time: 0647

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.81	310.00	11.49	620.00	6.81
10.00	22.83	320.00	11.27	630.00	6.74
20.00	22.84	330.00	11.08	640.00	6.69
30.00	22.84	340.00	10.98	650.00	6.53
40.00	22.84	350.00	10.88	660.00	6.41
50.00	22.85	360.00	10.75	670.00	6.29
60.00	22.85	370.00	10.64	680.00	6.18
70.00	21.34	380.00	10.61	690.00	6.15
80.00	20.22	390.00	10.45	700.00	6.10
90.00	19.33	400.00	10.26	710.00	5.98
100.00	18.58	410.00	10.07	720.00	5.92
110.00	18.13	420.00	9.95	730.00	5.83
120.00	17.71	430.00	9.66	740.00	5.77
130.00	17.28	440.00	9.54	750.00	5.73
140.00	16.80	450.00	9.54	760.00	5.67
150.00	16.31	460.00	9.37	770.00	5.64
160.00	15.92	470.00	9.33	780.00	5.58
170.00	15.51	480.00	9.25		
180.00	15.09	490.00	9.11		
190.00	14.86	500.00	8.93		
200.00	14.67	510.00	8.77		
210.00	14.32	520.00	8.46		
220.00	14.05	530.00	8.19		
230.00	13.74	540.00	7.96		
240.00	13.31	550.00	7.85		
250.00	13.07	560.00	7.60		
260.00	12.82	570.00	7.48		
270.00	12.53	580.00	7.29		
280.00	12.34	590.00	7.12		
290.00	12.00	600.00	7.01		
300.00	11.74	610.00	6.92		

Cruise: GULFCET 07 **Station:** 14-139 **Probe Type:** T-7
Latitude: 29° 17.01' N **Longitude:** 87° 30.01' W **Date:** 5-Dec-1993 **Time:** 0630

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.76	310.00	11.82	620.00	7.18
10.00	22.77	320.00	11.65	630.00	7.06
20.00	22.79	330.00	11.44	640.00	7.02
30.00	22.80	340.00	11.20	650.00	6.97
40.00	22.79	350.00	11.01	660.00	6.92
50.00	22.80	360.00	10.90	670.00	6.83
60.00	22.80	370.00	10.74	680.00	6.63
70.00	21.63	380.00	10.49	690.00	6.45
80.00	20.42	390.00	10.43	700.00	6.18
90.00	19.58	400.00	10.41	710.00	5.97
100.00	18.86	410.00	10.20	720.00	5.81
110.00	18.25	420.00	10.08	730.00	5.74
120.00	17.75	430.00	10.03	740.00	5.70
130.00	17.22	440.00	9.93	750.00	5.55
140.00	16.76	450.00	9.86		
150.00	16.42	460.00	9.75		
160.00	16.06	470.00	9.67		
170.00	15.77	480.00	9.63		
180.00	15.47	490.00	9.58		
190.00	15.09	500.00	9.31		
200.00	14.80	510.00	9.00		
210.00	14.47	520.00	8.89		
220.00	14.30	530.00	8.63		
230.00	14.08	540.00	8.02		
240.00	13.79	550.00	7.99		
250.00	13.59	560.00	7.85		
260.00	13.24	570.00	7.79		
270.00	12.95	580.00	7.68		
280.00	12.62	590.00	7.45		
290.00	12.38	600.00	7.28		
300.00	12.04	610.00	7.27		

Cruise: GULFCET 07 **Station:** 14-140 **Probe Type:** T-7
Latitude: 29° 19.99' N **Longitude:** 87° 30.06' W **Date:** 5-Dec-1993 **Time:** 0604

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.83	310.00	12.26
10.00	22.82	320.00	12.00
20.00	22.83	330.00	11.73
30.00	22.83	340.00	11.55
40.00	22.83	350.00	11.47
50.00	22.83	360.00	11.40
60.00	22.83	370.00	11.34
70.00	21.66		
80.00	20.40		
90.00	19.54		
100.00	18.84		
110.00	18.34		
120.00	17.63		
130.00	17.04		
140.00	16.84		
150.00	16.50		
160.00	16.04		
170.00	15.74		
180.00	15.44		
190.00	15.26		
200.00	15.05		
210.00	14.79		
220.00	14.63		
230.00	14.30		
240.00	14.06		
250.00	13.84		
260.00	13.67		
270.00	13.34		
280.00	13.11		
290.00	12.74		
300.00	12.47		

Cruise: GULFCET 07 **Station:** 14-141 **Probe Type:** T-7
Latitude: 29° 22.00' N **Longitude:** 87° 30.05' W **Date:** 5-Dec-1993 **Time:** 0547

Depth (m)	Temp. (°C)
0.00	22.65
10.00	22.65
20.00	22.66
30.00	22.65
40.00	22.62
50.00	22.64
60.00	22.70
70.00	21.14
80.00	20.35

Cruise: GULFCET 07 **Station:** 14-142 **Probe Type:** T-10
Latitude: 29° 25.01' N **Longitude:** 87° 29.96' W **Date:** 5-Dec-1993 **Time:** 0522

Depth (m)	Temp. (°C)
0.00	22.51
10.00	22.50
20.00	22.51
30.00	22.50
40.00	22.51
50.00	22.51
60.00	22.52
70.00	21.84
80.00	20.64
90.00	19.69
100.00	19.09
110.00	18.57
120.00	17.93
130.00	17.37
140.00	16.58
150.00	16.40
160.00	16.36

Cruise: GULFCET 07 **Station:** 06-EX5 **Probe Type:** T-7
Latitude: 26° 58.96' N **Longitude:** 92° 49.58' W **Date:** 11-Dec-1993 **Time:** 1035

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.75	320.00	10.16	620.00	6.23
10.00	23.69	330.00	9.96	630.00	6.14
20.00	23.69	340.00	9.70	640.00	6.06
30.00	23.69	350.00	9.52	650.00	5.98
40.00	23.70	360.00	9.26	660.00	5.90
50.00	23.70	370.00	9.06	670.00	5.86
60.00	23.59	380.00	8.90	680.00	5.82
70.00	22.12	390.00	8.72	690.00	5.77
80.00	20.97	400.00	8.60	700.00	5.73
90.00	19.77	410.00	8.46	710.00	5.70
100.00	18.69	420.00	8.29	720.00	5.67
110.00	17.57	430.00	8.20	730.00	5.64
120.00	16.83	440.00	8.08	740.00	5.59
130.00	16.03	450.00	8.04	750.00	5.53
140.00	15.08	460.00	7.89	760.00	5.49
150.00	14.36	470.00	7.74	770.00	5.46
160.00	13.83	480.00	7.59	780.00	5.39
170.00	13.54	490.00	7.48	790.00	5.32
180.00	13.09	510.00	7.23	800.00	5.29
190.00	12.73	520.00	7.16	810.00	5.26
200.00	12.52	530.00	7.05	820.00	5.23
210.00	12.30	540.00	6.94		
220.00	12.06	550.00	6.90		
230.00	11.86	560.00	6.81		
240.00	11.60	570.00	6.75		
250.00	11.42	580.00	6.63		
260.00	11.21	590.00	6.50		
270.00	11.04	600.00	6.41		
280.00	10.92	610.00	6.29		
290.00	10.68				
300.00	10.51				
310.00	10.33				

Cruise: GULFCET 07 **Station:** 06-EX6 **Probe Type:** T-7
Latitude: 26° 51.37' N **Longitude:** 92° 49.66' W **Date:** 11-Dec-1993 **Time:** 1152

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.58	310.00	10.14	620.00	6.25
10.00	23.58	320.00	9.98	630.00	6.17
20.00	23.56	330.00	9.74	640.00	6.10
30.00	23.56	340.00	9.54	650.00	6.02
40.00	23.55	350.00	9.38	660.00	5.98
50.00	23.55	360.00	9.21	670.00	5.90
60.00	23.54	370.00	9.07	680.00	5.83
70.00	21.82	380.00	8.88	690.00	5.79
80.00	20.63	390.00	8.72	700.00	5.72
90.00	19.34	400.00	8.55	710.00	5.67
100.00	18.68	410.00	8.43	720.00	5.63
110.00	17.58	420.00	8.32	730.00	5.62
120.00	16.93	430.00	8.17	740.00	5.56
130.00	16.07	440.00	7.98	750.00	5.53
140.00	15.44	450.00	7.85	760.00	5.47
150.00	14.93	460.00	7.76	770.00	5.42
160.00	14.36	470.00	7.71	780.00	5.41
170.00	13.92	480.00	7.53	790.00	5.37
180.00	13.62	490.00	7.51	800.00	5.33
190.00	13.24	500.00	7.40	810.00	5.30
200.00	12.83	510.00	7.37	820.00	5.28
210.00	12.40	520.00	7.20		
220.00	12.14	530.00	7.07		
230.00	11.77	540.00	6.97		
240.00	11.46	550.00	6.94		
250.00	11.30	560.00	6.78		
260.00	10.99	570.00	6.67		
270.00	10.83	580.00	6.59		
280.00	10.72	590.00	6.51		
290.00	10.55	600.00	6.39		
300.00	10.32	610.00	6.35		

Cruise: GULFCET 07 **Station:** 06-EX7 **Probe Type:** T-7
Latitude: 26° 29.78' N **Longitude:** 92° 50.06' W **Date:** 11-Dec-1993 **Time:** 1536

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.68	310.00	10.68	620.00	6.37
10.00	23.57	320.00	10.37	630.00	6.29
20.00	23.58	330.00	10.15	640.00	6.20
30.00	23.58	340.00	10.01	650.00	6.14
40.00	23.57	350.00	9.84	660.00	6.09
50.00	23.59	360.00	9.69	670.00	6.05
60.00	23.54	370.00	9.60	680.00	5.99
70.00	21.52	380.00	9.36	690.00	5.92
80.00	20.31	390.00	9.13	700.00	5.86
90.00	19.22	400.00	9.01	710.00	5.83
100.00	18.36	410.00	8.85	720.00	5.77
110.00	17.66	420.00	8.64	730.00	5.72
120.00	17.29	430.00	8.50	740.00	5.65
130.00	16.89	440.00	8.40	750.00	5.61
140.00	16.27	450.00	8.26	760.00	5.56
150.00	15.80	460.00	8.13	770.00	5.53
160.00	15.43	470.00	7.94	780.00	5.50
170.00	15.11	480.00	7.82	790.00	5.46
180.00	14.76	490.00	7.69	800.00	5.40
190.00	14.43	500.00	7.55	810.00	5.37
200.00	14.03	510.00	7.44	820.00	5.33
210.00	13.73	520.00	7.24		
220.00	13.30	530.00	7.14		
230.00	12.90	540.00	7.01		
240.00	12.66	550.00	6.91		
250.00	12.40	560.00	6.85		
260.00	12.16	570.00	6.74		
270.00	11.80	580.00	6.63		
280.00	11.49	590.00	6.56		
290.00	11.21	600.00	6.50		
300.00	11.01	610.00	6.43		

Cruise: GULFCET 07 **Station:** 11-EX1 **Probe Type:** T-10
Latitude: 28° 37.81' N **Longitude:** 89° 29.99' W **Date:** 7-Dec-1993 **Time:** 0530

Depth (m)	Temp. (°C)
0.00	21.64
10.00	21.64
20.00	22.06
30.00	22.94
40.00	23.39
50.00	23.21
60.00	23.29
70.00	21.41
80.00	20.13
90.00	18.97
100.00	18.55
110.00	17.39
120.00	16.61
130.00	16.03
140.00	15.74
150.00	15.35
160.00	15.02
170.00	14.64
180.00	14.14
190.00	13.78
200.00	13.49
210.00	13.08

Cruise: GULFCET 07 Station: 11-EX2 Probe Type: T-7
 Latitude: 27° 45.50' N Longitude: 89° 29.78' W Date: 7-Dec-1993 Time: 0650

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.88	310.00	10.16	620.00	6.22
10.00	22.71	320.00	9.99	630.00	6.16
20.00	22.93	330.00	9.77	640.00	6.07
30.00	22.95	340.00	9.62	650.00	5.99
40.00	22.96	350.00	9.40	660.00	5.93
50.00	22.97	360.00	9.18	670.00	5.87
60.00	22.97	370.00	9.01	680.00	5.81
70.00	22.08	380.00	8.91	690.00	5.74
80.00	20.80	390.00	8.71	700.00	5.67
90.00	19.54	400.00	8.60	710.00	5.61
100.00	18.41	410.00	8.41	720.00	5.57
110.00	17.43	420.00	8.24	730.00	5.53
120.00	16.62	430.00	8.00	740.00	5.50
130.00	15.87	440.00	7.85	750.00	5.45
140.00	15.23	450.00	7.77	760.00	5.38
150.00	14.74	460.00	7.70	770.00	5.34
160.00	14.24	470.00	7.44	780.00	5.32
170.00	13.94	480.00	7.36	790.00	5.28
180.00	13.62	490.00	7.30	800.00	5.26
190.00	13.29	500.00	7.22	810.00	5.23
200.00	12.97	510.00	7.15	820.00	5.20
210.00	12.77	520.00	6.99		
220.00	12.44	530.00	6.86		
230.00	12.30	540.00	6.72		
240.00	11.92	550.00	6.65		
250.00	11.59	560.00	6.57		
260.00	11.27	570.00	6.52		
270.00	11.04	580.00	6.48		
280.00	10.83	590.00	6.39		
290.00	10.58	600.00	6.36		
300.00	10.41	610.00	6.29		

Cruise: GULFCET 07 Station: 11-EX3 Probe Type: T-7
 Latitude: 28° 32.31' N Longitude: 89° 30.11' W Date: 7-Dec-1993 Time: 1415

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	22.98	310.00	13.23
10.00	22.95	320.00	13.10
20.00	22.99	330.00	12.26
30.00	23.06		
40.00	23.09		
50.00	23.04		
60.00	22.67		
70.00	21.06		
80.00	19.93		
90.00	18.93		
100.00	18.41		
110.00	17.62		
120.00	17.07		
130.00	16.88		
140.00	16.31		
150.00	15.62		
160.00	15.39		
170.00	15.15		
180.00	15.10		
190.00	15.04		
200.00	14.98		
210.00	14.96		
220.00	14.89		
230.00	14.39		
240.00	14.16		
250.00	14.15		
260.00	13.61		
270.00	13.52		
280.00	13.47		
290.00	13.42		
300.00	13.41		

Cruise: GULFCET 07
Latitude: 27° 56.12' N

Station: NL-E10
Longitude: 93° 48.50' W

Probe Type: T-7
Date: 12-Dec-1993 Time: 1420

Depth (m)	Temp. (°C)
0.00	23.65
10.00	23.48
20.00	23.47
30.00	23.48
40.00	23.49
50.00	23.16
60.00	22.71
70.00	22.30
80.00	20.51
90.00	19.26
100.00	18.61
110.00	18.25

Cruise: GULFCET 07
Latitude: 27° 14.35' N

Station: NL-EX8
Longitude: 93° 32.03' W

Probe Type: T-7
Date: 12-Dec-1993 Time: 0934

Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)	Depth (m)	Temp. (°C)
0.00	23.95	310.00	11.68	620.00	7.01
10.00	23.92	320.00	11.57	630.00	6.89
20.00	23.91	330.00	11.40	640.00	6.79
30.00	23.92	340.00	11.10	650.00	6.69
40.00	23.92	350.00	10.85	660.00	6.58
50.00	23.92	360.00	10.56	670.00	6.50
60.00	23.91	370.00	10.36	680.00	6.39
70.00	23.78	380.00	10.18	690.00	6.30
80.00	23.23	390.00	10.05	700.00	6.26
90.00	21.74	400.00	9.91	710.00	6.19
100.00	20.53	410.00	9.76	720.00	6.13
110.00	19.27	420.00	9.47	730.00	6.08
120.00	18.58	430.00	9.29	740.00	6.02
130.00	18.16	440.00	9.05	750.00	5.99
140.00	17.68	450.00	8.94	760.00	5.99
150.00	17.17	460.00	8.76	770.00	5.96
160.00	16.74	470.00	8.68		
170.00	16.42	480.00	8.56		
180.00	16.11	490.00	8.42		
190.00	15.66	500.00	8.32		
200.00	15.21	510.00	8.19		
210.00	14.85	520.00	8.00		
220.00	14.43	530.00	7.87		
230.00	14.12	540.00	7.78		
240.00	13.78	550.00	7.66		
250.00	13.49	560.00	7.58		
260.00	13.14	570.00	7.53		
270.00	12.86	580.00	7.45		
280.00	12.65	590.00	7.38		
290.00	12.42	600.00	7.27		
300.00	11.98	610.00	7.16		

Cruise: GULFCET 07
Latitude: 27° 44.57' N

Station: NL-EX9
Longitude: 93° 43.40' W

Probe Type: T-7
Date: 12-Dec-1993 Time: 1310

Depth (m)	Temp. (°C)
0.00	23.89
10.00	23.81
20.00	23.80
30.00	23.80
40.00	23.46
50.00	23.23
60.00	22.95
70.00	22.72
80.00	21.45
90.00	19.74
100.00	19.21
110.00	18.37
120.00	17.92
130.00	17.56
140.00	17.18
150.00	16.74
160.00	16.47
170.00	15.91
180.00	15.73
190.00	15.37
200.00	14.99
210.00	14.50
220.00	13.92

CONDUCTIVITY/ TEMPERATURE/DEPTH (CTD) DATA:

-DATA SUMMARY TABLES

**-PLOTS OF TEMPERATURE, SALINITY, AND SOUND
VELOCITY VERSUS DEPTH**

**- PLOTS OF TEMPERATURE VERSUS SALINITY VERSUS DENSITY FOR :
ALL CTD STATIONS, OFFSHORE STATIONS (STATIONS AT THE 2000 M
ISOBATH), INSHORE STATIONS (STATIONS AT 100 M ISOBATH (EXCEPT
STATIONS 11-106 AND 12-125)), AND EVERY TWO TRACK LINES
COMBINED**

Cruise: GULFCET 07 **Station:** 05-050
Date: 12-Dec-93 **Time:** 0438 **Lat:** 26° 45.82 **Long:** 93° 30.07
Depth: 1470 m **Wind Dir:** 128 ° **Wind Speed:** 5.7 m/s **Wave Dir:** °
Barometer: 29.97 in. **Air Temp Dry:** 18.5 °C **Air Temp Wet:** 15.5 °C **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	23.400	23.398	36.155	24.695	324.21	1531.88	4.883		10.07
20	23.400	23.396	36.155	24.695	324.59	1532.05	5.020		20.14
30	23.428	23.422	36.202	24.722	322.39	1532.34	5.042		30.20
50	23.493	23.483	36.264	24.750	320.52	1532.90	4.805		50.34
75	23.088	23.072	36.275	24.877	309.40	1532.32	4.776		75.52
100	22.170	22.150	36.531	25.335	266.73	1530.66	4.455		100.69
125	18.966	18.943	36.425	26.121	192.66	1522.26	3.220		125.88
150	17.323	17.297	36.311	26.444	162.55	1517.79	3.170		151.06
200	15.703	15.671	36.080	26.648	144.47	1513.45	3.175		201.44
250	13.755	13.719	35.770	26.835	127.52	1507.74	3.078		251.83
300	12.271	12.231	35.536	26.954	116.91	1503.37	3.038		302.23
400	10.288	10.240	35.252	27.100	104.26	1497.80	2.929		403.07
500	8.624	8.570	35.047	27.215	93.96	1493.16	3.012		503.96
600	7.552	7.491	34.946	27.298	86.74	1490.66	3.146		604.90
700	6.640	6.573	34.896	27.386	78.76	1488.74	3.493		705.89

Cruise: GULFCET 07 **Station:** 05-053
Date: 11-Dec-93 **Time:** 2237 **Lat:** 26° 09.97 **Long:** 93° 29.99
Depth: 2000 m **Wind Dir:** 94.5 ° **Wind Speed:** 4.7 m/s **Wave Dir:** °
Barometer: 30.05 in. **Air Temp Dry:** 19.5 °C **Air Temp Wet:** 15 °C **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	24.298	24.296	36.310	24.546	338.40	1534.27	4.649		10.07
20	24.300	24.296	36.310	24.545	338.87	1534.45	4.779		20.14
30	24.288	24.281	36.311	24.550	338.80	1534.59	4.636		30.20
50	24.306	24.295	36.310	24.544	340.20	1534.97	4.622		50.34
75	24.309	24.293	36.312	24.544	341.19	1535.40	4.639		75.52
100	22.702	22.682	36.357	25.051	293.83	1531.84	4.359		100.69
125	20.577	20.553	36.502	25.755	227.64	1526.82	3.571		125.88
150	19.382	19.354	36.550	26.109	194.77	1523.99	3.252		151.06
200	16.171	16.138	36.142	26.588	150.26	1514.96	3.120		201.44
250	14.478	14.440	35.887	26.771	133.85	1510.21	3.125		251.83
300	12.918	12.876	35.638	26.904	121.92	1505.66	3.121		302.23
400	10.614	10.565	35.292	27.073	107.05	1499.01	3.144		403.07
500	8.807	8.752	35.057	27.194	96.14	1493.85	3.072		503.96
600	7.496	7.435	34.941	27.302	86.26	1490.44	3.283		604.90
700	6.483	6.417	34.888	27.401	77.12	1488.11	3.625		705.89
800	5.757	5.686	34.889	27.496	68.40	1486.91	3.977		806.92

Cruise: GULFCET 07 **Station:** 06-054
Date: 11-Dec-93 **Time:** 1749 **Lat:** 26° 14.04 **Long:** 92° 50.00
Depth: 2000 m **Wind Dir:** 40.6 ° **Wind Speed:** 7.4 m/s **Wave Dir:** °
Barometer: 30.02 in. **Air Temp Dry:** 19.2 °C **Air Temp Wet:** 16 °C **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	23.665	23.663	36.355	24.768	317.21	1532.76	4.856		10.07
20	23.667	23.663	36.354	24.767	317.71	1532.93	4.772		20.14
30	23.668	23.661	36.353	24.767	318.19	1533.10	4.818		30.20
50	23.679	23.668	36.372	24.777	317.95	1533.49	4.846		50.34
75	21.245	21.230	36.505	25.574	243.00	1527.78	4.551		75.52
100	18.558	18.541	36.376	26.187	185.39	1520.63	3.370		100.69
125	16.584	16.564	36.187	26.525	153.87	1515.02	3.283		125.88
150	15.216	15.193	35.994	26.691	138.66	1511.00	3.193		151.06
200	13.491	13.462	35.723	26.853	124.30	1505.99	3.237		201.44
250	11.986	11.953	35.491	26.974	113.62	1501.51	3.248		251.83
300	10.779	10.741	35.315	27.061	105.95	1497.95	3.102		302.23
400	9.040	8.995	35.093	27.185	95.21	1493.09	3.034		403.07
500	7.739	7.688	34.959	27.281	86.88	1489.72	3.184		503.96
600	6.647	6.590	34.891	27.382	77.72	1487.09	3.534		604.90
700	5.960	5.897	34.885	27.467	70.12	1486.04	3.788		705.89

Cruise: GULFCET 07 **Station:** 06-055
Date: 11-Dec-93 **Time:** 1243 **Lat:** 26° 46.04 **Long:** 92° 50.13
Depth: 1745 m **Wind Dir:** 72 ° **Wind Speed:** 16.0 m/s **Wave Dir:** 25 °
Barometer: 30.04 in. **Air Temp Dry:** 20.2 °C **Air Temp Wet:** 16.5 °C **Secchi Depth:** 25 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	23.635	23.633	36.338	24.765	317.55	1532.67	4.583		10.07
20	23.624	23.619	36.345	24.774	317.11	1532.81	4.483		20.14
30	23.635	23.629	36.344	24.770	317.91	1533.01	4.691		30.20
50	23.631	23.620	36.347	24.772	318.42	1533.34	4.795		50.34
75	20.728	20.713	36.513	25.722	228.90	1526.40	4.005		75.52
100	18.501	18.483	36.459	26.265	177.97	1520.56	3.365		100.69
125	17.150	17.129	36.286	26.466	159.56	1516.83	3.335		125.88
150	15.882	15.858	36.100	26.622	145.36	1513.19	3.272		151.06
200	13.729	13.700	35.785	26.852	124.53	1506.84	3.187		201.44
250	12.109	12.076	35.517	26.970	114.02	1501.96	3.177		251.83
300	11.020	10.982	35.355	27.049	107.27	1498.85	3.166		302.23
400	9.145	9.100	35.091	27.166	97.09	1493.47	3.192		403.07
500	7.721	7.670	34.947	27.274	87.45	1489.64	3.261		503.96
600	6.585	6.529	34.892	27.391	76.78	1486.85	3.587		604.90
700	5.781	5.719	34.890	27.494	67.38	1485.34	4.013		705.89
800	5.414	5.345	34.899	27.546	63.12	1485.55	4.227		806.92

Cruise: GULFCET 07 **Station:** 06-059
Date: 11-Dec-93 **Time:** 0605 **Lat:** 27° 25.99 **Long:** 92° 50.00
Depth: 1035 m **Wind Dir:** 56 ° **Wind Speed:** 12.0 m/s **Wave Dir:** °
Barometer: 30.03 in. **Air Temp Dry:** 21 °C **Air Temp Wet:** 17.5 °C **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	23.552	23.550	36.359	24.805	313.73	1532.48	4.953		10.07
20	23.556	23.552	36.360	24.804	314.21	1532.66	4.943		20.14
30	23.558	23.552	36.360	24.804	314.64	1532.83	4.915		30.20
50	23.557	23.547	36.361	24.805	315.28	1533.17	4.914		50.34
75	19.948	19.934	36.528	25.943	207.88	1524.29	3.629		75.52
100	18.060	18.043	36.388	26.322	172.57	1519.20	3.333		100.69
125	16.875	16.854	36.256	26.510	155.40	1515.97	3.345		125.88
150	15.580	15.557	36.058	26.659	141.81	1512.21	3.268		151.06
200	14.024	13.995	35.813	26.811	128.44	1507.83	3.293		201.44
250	12.701	12.667	35.605	26.922	118.83	1504.07	3.267		251.83
300	11.713	11.673	35.465	27.006	111.71	1501.38	3.024		302.23
400	9.626	9.580	35.166	27.146	99.40	1495.32	3.005		403.07
500	8.161	8.108	34.993	27.245	90.71	1491.36	3.131		503.96
600	7.214	7.155	34.919	27.325	83.74	1489.33	3.353		604.90
700	6.507	6.441	34.889	27.399	77.37	1488.21	3.558		705.89
800	6.107	6.033	34.886	27.449	73.43	1488.30	3.706		806.92

Cruise: GULFCET 07 **Station:** 06-064
Date: 11-Dec-93 **Time:** 0047 **Lat:** 28° 01.96 **Long:** 92° 49.98
Depth: 97 m **Wind Dir:** 54 ° **Wind Speed:** 10.0 m/s **Wave Dir:** °
Barometer: 29.97 in. **Air Temp Dry:** 22 °C **Air Temp Wet:** 21 °C **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	23.432	23.430	36.308	24.802	314.06	1532.12	4.845	.065	10.07
20	23.423	23.419	36.310	24.806	314.03	1532.27	4.890	.065	20.14
30	23.300	23.294	36.325	24.853	309.91	1532.15	4.933	.094	30.20
50	23.053	23.043	36.320	24.921	304.24	1531.86	4.898	.251	50.34
75	22.931	22.916	36.344	24.975	300.12	1531.99	4.872	.262	75.52

Cruise: GULFCET 07 **Station:** 07-065
Date: 10-Dec-93 **Time:** 2037 **Lat:** 28° 01.99 **Long:** 92° 10.01
Depth: 101 m **Wind Dir:** 13.9 ° **Wind Speed:** 6.1 m/s **Wave Dir:** °
Barometer: 29.94 in. **Air Temp Dry:** 22 °C **Air Temp Wet:** 20.8 °C **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	24.286	24.284	36.265	24.516	341.28	1534.19	4.835	.053	10.07
20	24.277	24.272	36.266	24.519	341.35	1534.34	4.803	.065	20.14
30	24.148	24.141	36.284	24.572	336.76	1534.21	4.795	.062	30.20
50	23.471	23.461	36.280	24.769	318.76	1532.87	4.865	.168	50.34
75	22.932	22.917	36.265	24.915	305.82	1531.91	4.924	.278	75.52

Cruise: GULFCET 07 **Station:** 07-071
Date: 10-Dec-93 **Time:** 1430 **Lat:** 27° 25.88 **Long:** 92° 09.91
Depth: 775 m **Wind Dir:** 256 ° **Wind Speed:** 4.3 m/s **Wave Dir:** 225 °
Barometer: 29.87 in. **Air Temp Dry:** 24 °C **Air Temp Wet:** 22.5 °C **Secchi Depth:** 30 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	24.240	24.238	36.255	24.522	340.70	1534.07	4.754		10.07
20	24.216	24.212	36.256	24.530	340.36	1534.18	4.762		20.14
30	24.154	24.148	36.252	24.546	339.25	1534.20	4.815		30.20
50	23.483	23.472	36.279	24.764	319.17	1532.89	4.758		50.34
75	20.669	20.655	36.605	25.808	220.76	1526.34	3.841		75.52
100	18.406	18.389	36.398	26.243	180.13	1520.21	3.360		100.69
125	16.924	16.903	36.256	26.498	156.54	1516.12	3.279		125.88
150	15.697	15.673	36.072	26.643	143.34	1512.59	3.355		151.06
200	14.587	14.556	35.902	26.759	133.56	1509.74	3.238		201.44
250	12.921	12.886	35.635	26.901	120.88	1504.83	3.206		251.83
300	11.887	11.847	35.478	26.983	113.98	1501.99	3.112		302.23
400	9.795	9.748	35.178	27.127	101.32	1495.94	3.109		403.07
500	8.217	8.164	34.998	27.240	91.25	1491.58	3.114		503.96
600	7.097	7.038	34.914	27.337	82.46	1488.87	3.328		604.90
700	6.151	6.087	34.886	27.444	72.65	1486.80	3.714		705.89

Cruise: GULFCET 07 **Station:** 07-073
Date: 10-Dec-93 **Time:** 0752 **Lat:** 26° 46.04 **Long:** 92° 09.95
Depth: 1800 m **Wind Dir:** 223.5° **Wind Speed:** 4.3 m/s **Wave Dir:** 220 °
Barometer: 29.93 in. **Air Temp Dry:** 23 °C **Air Temp Wet:** 21 °C **Secchi Depth:** 30 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	23.692	23.690	36.331	24.742	319.70	1532.80	5.008		10.07
20	23.698	23.693	36.331	24.741	320.21	1532.98	4.999		20.14
30	23.698	23.692	36.331	24.741	320.65	1533.15	4.978		30.20
50	23.701	23.690	36.331	24.740	321.52	1533.50	4.933		50.34
75	19.954	19.940	36.546	25.955	206.69	1524.33	3.918		75.52
100	18.121	18.104	36.409	26.323	172.50	1519.40	3.526		100.69
125	16.988	16.967	36.278	26.499	156.41	1516.34	3.640		125.88
150	15.848	15.824	36.101	26.631	144.54	1513.09	3.384		151.06
200	13.997	13.967	35.816	26.819	127.66	1507.75	3.148		201.44
250	12.624	12.590	35.600	26.934	117.65	1503.80	3.118		251.83
300	11.226	11.188	35.381	27.031	109.05	1499.60	3.162		302.23
400	9.407	9.361	35.131	27.155	98.39	1494.48	3.143		403.07
500	7.882	7.831	34.965	27.264	88.60	1490.27	3.343		503.96
600	6.880	6.822	34.903	27.359	80.15	1488.01	3.557		604.90
700	6.088	6.024	34.884	27.450	71.91	1486.55	3.887		705.89
800	5.579	5.509	34.895	27.522	65.64	1486.21	4.179		806.92

Cruise: GULFCET 07 Station: 07-075
 Date: 10-Dec-93 Time: 0309
 Depth: 2000 m Wind Dir: 210.4°
 Barometer: 29.89 in. Air Temp Dry: 23.2 °C

Lat: 26° 17.12
 Wind Speed: 7.3 m/s
 Air Temp Wet: 20 °C

Long: 92° 09.95
 Wave Dir: °
 Secchi Depth: m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	23.784	23.782	36.293	24.687	325.01	1532.99	4.937		10.07
20	23.787	23.783	36.293	24.686	325.48	1533.16	4.910		20.14
30	23.790	23.783	36.293	24.685	325.93	1533.34	4.966		30.20
50	23.793	23.782	36.294	24.685	326.78	1533.68	4.960		50.34
75	22.603	22.588	36.401	25.113	286.93	1531.22	4.729		75.52
100	19.242	19.224	36.498	26.105	193.27	1522.71	3.694		100.69
125	17.088	17.067	36.257	26.459	160.21	1516.61	3.388		125.88
150	16.045	16.021	36.123	26.602	147.30	1513.72	3.291		151.06
200	14.231	14.202	35.841	26.788	130.67	1508.53	3.359		201.44
250	12.888	12.853	35.640	26.912	119.82	1504.73	3.250		251.83
300	11.746	11.707	35.459	26.994	112.81	1501.49	3.209		302.23
400	9.568	9.522	35.146	27.139	99.96	1495.09	3.219		403.07
500	8.219	8.167	35.000	27.241	91.10	1491.59	3.225		503.96
600	7.018	6.960	34.907	27.343	81.81	1488.56	3.487		604.90
700	6.124	6.061	34.888	27.448	72.16	1486.70	3.856		705.89
800	5.600	5.529	34.893	27.519	66.02	1486.29	4.164		806.92

Cruise: GULFCET 07 Station: 08-076
 Date: 9-Dec-93 Time: 2115
 Depth: 2000 m Wind Dir: 180.4°
 Barometer: 29.96 in. Air Temp Dry: 22.5 °C

Lat: 26° 37.02
 Wind Speed: 6.4 m/s
 Air Temp Wet: 20 °C

Long: 91° 29.96
 Wave Dir: °
 Secchi Depth: m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	24.034	24.032	36.282	24.604	332.89	1533.59	4.844		10.07
20	24.035	24.030	36.282	24.604	333.31	1533.76	4.856		20.14
30	24.033	24.027	36.279	24.602	333.86	1533.92	4.790		30.20
50	24.039	24.029	36.280	24.601	334.74	1534.28	4.824		50.34
75	24.025	24.009	36.278	24.604	335.49	1534.66	4.783		75.52
100	22.034	22.014	36.327	25.219	277.77	1530.08	4.526		100.69
125	20.008	19.984	36.524	25.924	211.49	1525.29	3.482		125.88
150	18.554	18.528	36.472	26.262	180.09	1521.56	3.459		151.06
200	16.086	16.054	36.133	26.601	149.03	1514.70	3.296		201.44
250	14.260	14.223	35.854	26.793	131.71	1509.47	3.130		251.83
300	12.903	12.861	35.633	26.904	121.98	1505.61	3.238		302.23
400	10.503	10.454	35.281	27.084	105.87	1498.60	3.172		403.07
500	8.811	8.756	35.064	27.199	95.65	1493.88	3.091		503.96
600	7.533	7.472	34.943	27.298	86.71	1490.58	3.250		604.90
700	6.555	6.489	34.889	27.392	78.07	1488.40	3.593		705.89
800	5.936	5.864	34.888	27.473	70.94	1487.62	3.846		806.92

Cruise: GULFCET 07 **Station:** 08-080
Date: 9-Dec-93 **Time:** 1311 **Lat:** 27° 26.04 **Long:** 91° 29.98
Depth: 940 m **Wind Dir:** 180.8° **Wind Speed:** 6.9 m/s **Wave Dir:** 140°
Barometer: 29.98 in. **Air Temp Dry:** 23.5 °C **Air Temp Wet:** 20.8 °C **Secchi Depth:** 28 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	24.112	24.109	36.314	24.605	332.75	1533.82	4.867		10.07
20	24.103	24.099	36.316	24.609	332.80	1533.97	4.876		20.14
30	24.093	24.086	36.315	24.612	332.95	1534.11	4.917		30.20
50	23.903	23.892	36.322	24.674	327.84	1533.99	4.885		50.34
75	21.294	21.279	36.374	25.461	253.76	1527.76	4.138		75.52
100	20.253	20.234	36.575	25.897	213.13	1525.60	3.525		100.69
125	18.742	18.719	36.461	26.206	184.56	1521.67	3.222		125.88
150	17.486	17.460	36.318	26.410	165.84	1518.28	3.161		151.06
200	15.733	15.701	36.076	26.638	145.37	1513.54	3.245		201.44
250	14.263	14.226	35.849	26.789	132.11	1509.48	3.376		251.83
300	12.783	12.742	35.627	26.923	120.09	1505.20	3.216		302.23
400	10.606	10.557	35.286	27.070	107.35	1498.97	3.158		403.07
500	8.771	8.716	35.056	27.199	95.58	1493.72	3.056		503.96
600	7.495	7.434	34.936	27.298	86.63	1490.43	3.237		604.90
700	6.515	6.449	34.890	27.398	77.45	1488.24	3.539		705.89
800	5.852	5.781	34.887	27.483	69.85	1487.29	3.897		806.92

Cruise: GULFCET 07 **Station:** 08-086
Date: 9-Dec-93 **Time:** 0705 **Lat:** 28° 07.47 **Long:** 91° 30.03
Depth: 97 m **Wind Dir:** 168° **Wind Speed:** 11.0 m/s **Wave Dir:** 180°
Barometer: 30.04 in. **Air Temp Dry:** 20 °C **Air Temp Wet:** 18.2 °C **Secchi Depth:** 22 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	24.738	24.736	36.233	24.355	356.63	1535.26	4.812	.056	10.07
20	24.433	24.428	36.250	24.460	347.02	1534.71	4.818	.061	20.14
30	24.335	24.329	36.246	24.487	344.84	1534.63	4.861	.072	30.20
50	24.210	24.199	36.253	24.529	341.61	1534.67	4.886	.114	50.34
75	21.915	21.900	36.343	25.264	272.47	1529.37	4.396	.142	75.52

Cruise: GULFCET 07 **Station:** 09-087
Date: 9-Dec-93 **Time:** 0249 **Lat:** 28° 09.05 **Long:** 90° 49.98
Depth: 99 m **Wind Dir:** 146° **Wind Speed:** 4 m/s **Wave Dir:** °
Barometer: 30.03 in. **Air Temp Dry:** 21 °C **Air Temp Wet:** 19 °C **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	23.542	23.540	36.307	24.768	317.22	1532.40	4.942	.079	10.07
20	23.537	23.533	36.309	24.771	317.34	1532.56	4.912	.085	20.14
30	23.509	23.503	36.318	24.787	316.28	1532.67	4.937	.101	30.20
50	23.424	23.413	36.319	24.812	314.62	1532.79	4.886	.174	50.34
75	22.318	22.303	36.381	25.179	280.65	1530.46	4.542	.170	75.52

Cruise: GULFCET 07 Station: 09-093
 Date: 8-Dec-93 Time: 1939
 Depth: 1300 m Wind Dir: 142.7°
 Barometer: 30.06 in. Air Temp Dry: 21.2 °C

Lat: 27° 26.04
 Wind Speed: 21.0 m/s
 Air Temp Wet: 18.5 °C

Long: 90° 50.01
 Wave Dir: °
 Secchi Depth: m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.437	25.435	36.241	24.147	376.42	1536.94	4.598		10.07
20	25.434	25.430	36.242	24.149	376.68	1537.10	4.581		20.14
30	25.408	25.401	36.242	24.157	376.31	1537.21	4.605		30.20
50	25.365	25.354	36.245	24.173	375.63	1537.45	4.652		50.34
75	25.249	25.233	36.244	24.207	373.33	1537.60	4.580		75.52
100	23.329	23.308	36.334	24.852	312.81	1533.41	4.423		100.69
125	21.240	21.216	36.463	25.544	247.77	1528.56	3.866		125.88
150	19.183	19.156	36.442	26.077	197.67	1523.31	3.293		151.06
200	16.853	16.820	36.236	26.500	158.80	1517.14	3.136		201.44
250	15.308	15.269	36.016	26.688	142.03	1512.99	3.305		251.83
300	13.463	13.420	35.726	26.862	126.27	1507.57	3.069		302.23
400	11.022	10.972	35.346	27.042	110.29	1500.51	3.141		403.07
500	9.064	9.007	35.081	27.172	98.46	1494.83	3.118		503.96
600	7.887	7.825	34.965	27.264	90.35	1491.96	3.173		604.90
700	6.823	6.755	34.897	27.363	81.25	1489.45	3.441		705.89
800	6.143	6.069	34.885	27.444	73.98	1488.44	3.774		806.92

Cruise: GULFCET 07 Station: 09-096
 Date: 8-Dec-93 Time: 1257
 Depth: 2000 m Wind Dir: 66.1 °
 Barometer: 30.07 in. Air Temp Dry: 22.5 °C

Lat: 26° 45.02
 Wind Speed: 5.6 m/s
 Air Temp Wet: 19 °C

Long: 90° 50.06
 Wave Dir: 45 °
 Secchi Depth: 32 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.578	25.576	36.329	24.170	374.25	1537.37	4.712		10.07
20	25.565	25.560	36.327	24.172	374.45	1537.51	4.689		20.14
30	25.557	25.551	36.326	24.174	374.68	1537.66	4.667		30.20
50	25.557	25.546	36.326	24.174	375.51	1537.99	4.690		50.34
75	25.559	25.543	36.326	24.173	376.59	1538.42	4.615		75.52
100	24.349	24.327	36.337	24.552	341.47	1535.95	4.679		100.69
125	23.317	23.290	36.598	25.055	294.44	1534.09	4.231		125.88
150	21.127	21.097	36.580	25.664	237.30	1528.81	3.826		151.06
200	17.978	17.943	36.404	26.355	172.86	1520.66	3.484		201.44
250	15.840	15.800	36.104	26.635	147.24	1514.74	3.448		251.83
300	14.346	14.301	35.860	26.779	134.49	1510.59	3.166		302.23
400	11.201	11.150	35.373	27.030	111.52	1501.17	3.185		403.07
500	9.894	9.834	35.202	27.129	103.38	1498.00	2.903		503.96
600	8.657	8.592	35.054	27.215	95.89	1494.96	2.951		604.90
700	7.390	7.319	34.933	27.311	86.93	1491.69	3.170		705.89
800	6.330	6.256	34.880	27.415	76.97	1489.17	3.619		806.92

Cruise: GULFCET 07 **Station:** 10-097
Date: 8-Dec-93 **Time:** 0728 **Lat:** 27° 09.93 **Long:** 90° 09.92
Depth: 2000 m **Wind Dir:** 64.4 ° **Wind Speed:** 4.2 m/s **Wave Dir:** 90 °
Barometer: 30.13 in. **Air Temp Dry:** 22 °C **Air Temp Wet:** 21.5 °C **Secchi Depth:** 24 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	25.049	25.047	36.247	24.271	364.62	1536.02	4.805		10.07
20	25.055	25.050	36.247	24.269	365.19	1536.21	4.862		20.14
30	25.055	25.048	36.247	24.269	365.62	1536.38	4.848		30.20
50	25.059	25.048	36.247	24.268	366.52	1536.72	4.772		50.34
75	24.625	24.609	36.268	24.416	353.44	1536.12	4.790		75.52
100	23.008	22.987	36.452	25.035	295.36	1532.73	4.391		100.69
125	21.011	20.987	36.502	25.637	238.91	1527.99	3.834		125.88
150	19.268	19.241	36.516	26.112	194.37	1523.64	3.346		151.06
200	16.517	16.484	36.204	26.555	153.52	1516.09	3.215		201.44
250	14.446	14.408	35.876	26.769	133.99	1510.10	3.314		251.83
300	12.780	12.738	35.614	26.914	120.98	1505.17	3.294		302.23
400	10.566	10.517	35.284	27.075	106.79	1498.83	3.143		403.07
500	8.804	8.749	35.056	27.194	96.17	1493.84	3.201		503.96
600	7.573	7.512	34.953	27.300	86.54	1490.75	3.297		604.90
700	6.595	6.529	34.898	27.394	77.93	1488.57	3.641		705.89
800	5.853	5.781	34.886	27.482	69.92	1487.29	4.065		806.92

Cruise: GULFCET 07 **Station:** 10-100
Date: 8-Dec-93 **Time:** 0151 **Lat:** 27° 45.97 **Long:** 90° 09.88
Depth: 735 m **Wind Dir:** 159.2° **Wind Speed:** 1.2 m/s **Wave Dir:** °
Barometer: 30.08 in. **Air Temp Dry:** 20.5 °C **Air Temp Wet:** 17.5 °C **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	24.447	24.445	36.243	24.451	347.50	1534.56	4.911		10.07
20	24.435	24.431	36.242	24.454	347.60	1534.70	4.913		20.14
30	24.369	24.362	36.249	24.478	345.66	1534.72	4.872		30.20
50	24.252	24.241	36.252	24.516	342.84	1534.77	4.863		50.34
75	23.215	23.199	36.334	24.885	308.66	1532.70	4.757		75.52
100	19.412	19.393	36.414	25.997	203.54	1523.09	3.447		100.69
125	17.372	17.351	36.306	26.428	163.26	1517.51	3.310		125.88
150	16.288	16.264	36.173	26.584	149.05	1514.52	3.320		151.06
200	14.903	14.872	35.954	26.730	136.43	1510.81	3.313		201.44
250	13.157	13.121	35.668	26.880	123.02	1505.66	3.282		251.83
300	11.786	11.747	35.458	26.987	113.58	1501.62	3.211		302.23
400	10.115	10.068	35.220	27.104	103.69	1497.15	3.209		403.07
500	10.115	10.068	35.220	27.104	103.69	1497.15	3.209		403.07
600	8.446	8.392	35.009	27.213	93.97	1492.45	2.966		503.96
700	7.415	7.355	34.919	27.297	86.65	1490.10	3.139		604.90
800	6.494	6.428	34.886	27.398	77.40	1488.16	3.474		705.89

Cruise: GULFCET 07 **Station:** 10-105
Date: 7-Dec-93 **Time:** 2119 **Lat:** 28° 15.95 **Long:** 90° 09.95
Depth: 94 m **Wind Dir:** 260 ° **Wind Speed:** 0.8 m/s **Wave Dir:** °
Barometer: 30.11 in. **Air Temp Dry:** 19.5 °C **Air Temp Wet:** 17 °C **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.699	22.697	35.201	24.174	373.82	1529.05	5.270	1.011	10.07
20	22.881	22.877	35.745	24.534	339.87	1530.28	4.993	.331	20.14
30	23.124	23.117	36.006	24.663	328.05	1531.35	4.856	.177	30.20
50	22.649	22.639	36.110	24.879	308.22	1530.59	4.611	.158	50.34
75	19.406	19.392	36.392	25.981	204.15	1522.63	2.903	.057	75.52

Cruise: GULFCET 07 **Station:** 11-106
Date: 7-Dec-93 **Time:** 1602 **Lat:** 28° 44.95 **Long:** 89° 30.09
Depth: 95 m **Wind Dir:** 64 ° **Wind Speed:** 6.4 m/s **Wave Dir:** 40 °
Barometer: 30.07 in. **Air Temp Dry:** 18 °C **Air Temp Wet:** 16 °C **Secchi Depth:** 5 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.212	22.210	34.673	23.911	398.88	1527.21	4.808	.302	10.07
20	22.197	22.192	35.178	24.299	362.26	1527.90	4.728	.136	20.14
30	22.711	22.704	35.818	24.639	330.30	1530.10	4.691	.108	30.20
50	22.718	22.708	35.908	24.705	324.74	1530.55	4.629	.077	50.34
75	20.955	20.941	36.404	25.577	242.69	1526.89	3.622	.093	75.52

Cruise: GULFCET 07 **Station:** 11-112
Date: 7-Dec-93 **Time:** 0940 **Lat:** 28° 05.98 **Long:** 89° 29.99
Depth: 1075 m **Wind Dir:** 117.6° **Wind Speed:** 6.6 m/s **Wave Dir:** 90 °
Barometer: 30.12 in. **Air Temp Dry:** 20.5 °C **Air Temp Wet:** 17 °C **Secchi Depth:** 29 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	23.186	23.184	36.122	24.732	320.64	1531.30	5.321		10.07
20	23.181	23.176	36.127	24.738	320.51	1531.46	5.237		20.14
30	23.135	23.129	36.143	24.764	318.45	1531.53	5.256		30.20
50	23.043	23.032	36.163	24.806	315.24	1531.66	5.224		50.34
75	20.718	20.704	36.520	25.730	228.13	1526.38	4.301		75.52
100	18.479	18.461	36.441	26.257	178.76	1520.47	3.571		100.69
125	16.909	16.888	36.265	26.508	155.57	1516.09	3.805		125.88
150	15.807	15.783	36.101	26.640	143.67	1512.96	3.795		151.06
200	13.791	13.762	35.779	26.834	126.16	1507.04	3.579		201.44
250	12.156	12.123	35.511	26.956	115.35	1502.12	3.443		251.83
300	11.089	11.051	35.349	27.032	108.93	1499.08	3.398		302.23
400	9.398	9.353	35.119	27.147	99.14	1494.43	3.330		403.07
500	7.997	7.945	34.969	27.250	90.01	1490.71	3.340		503.96
600	6.855	6.797	34.891	27.353	80.66	1487.90	3.570		604.90
700	6.149	6.085	34.882	27.440	72.95	1486.79	3.896		705.89
800	5.516	5.447	34.893	27.529	64.93	1485.95	4.204		806.92

Cruise: GULFCET 07 **Station:** 11-115
Date: 7-Dec-93 **Time:** 0302 **Lat:** 27° 27.01 **Long:** 89° 29.96
Depth: 2000 m **Wind Dir:** 66.9 ° **Wind Speed:** 3.9 m/s **Wave Dir:** °
Barometer: 30.05 in. **Air Temp Dry:** 19.5 °C **Air Temp Wet:** 16 °C **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.940	22.938	35.807	24.565	336.62	1530.33	5.086		10.07
20	23.007	23.003	35.829	24.562	337.24	1530.70	5.061		20.14
30	23.102	23.095	35.907	24.594	334.63	1531.19	4.968		30.20
50	23.283	23.272	36.040	24.642	330.82	1532.13	4.910		50.34
75	21.553	21.538	36.352	25.372	262.21	1528.43	4.064		75.52
100	18.397	18.379	36.386	26.236	180.76	1520.18	3.260		100.69
125	17.291	17.270	36.311	26.452	160.98	1517.28	3.381		125.88
150	15.951	15.927	36.109	26.613	146.25	1513.42	3.228		151.06
200	13.964	13.935	35.802	26.815	128.03	1507.62	3.209		201.44
250	12.436	12.402	35.555	26.936	117.36	1503.12	3.275		251.83
300	11.246	11.208	35.376	27.024	109.75	1499.66	3.202		302.23
400	9.447	9.402	35.127	27.145	99.33	1494.62	3.136		403.07
500	7.924	7.872	34.957	27.252	89.75	1490.42	3.283		503.96
600	6.713	6.656	34.888	27.370	78.86	1487.35	3.597		604.90
700	6.069	6.006	34.882	27.450	71.87	1486.47	3.901		705.89
800	5.456	5.387	34.895	27.538	63.96	1485.71	4.301		806.92

Cruise: GULFCET 07 **Station:** 12-116
Date: 7-Dec-93 **Time:** 2200 **Lat:** 27° 25.90 **Long:** 88° 49.97
Depth: 2000 m **Wind Dir:** 53 ° **Wind Speed:** 4.6 m/s **Wave Dir:** °
Barometer: 30.08 in. **Air Temp Dry:** 18.2 °C **Air Temp Wet:** 15.5 °C **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.210	22.208	35.416	24.476	345.01	1528.03	5.056		10.07
20	22.219	22.215	35.438	24.490	344.07	1528.24	5.091		20.14
30	22.235	22.229	35.445	24.491	344.36	1528.46	5.092		30.20
50	22.268	22.258	36.357	25.175	280.04	1529.88	4.249		50.34
75	19.790	19.776	36.435	25.914	210.62	1523.74	3.272		75.52
100	17.475	17.458	36.309	26.406	164.54	1517.40	3.200		100.69
125	15.980	15.960	36.110	26.607	146.01	1513.09	3.241		125.88
150	14.772	14.749	35.925	26.737	134.25	1509.52	3.264		151.06
200	13.213	13.184	35.684	26.881	121.60	1505.03	3.246		201.44
250	11.930	11.897	35.482	26.977	113.25	1501.31	3.198		251.83
300	10.762	10.725	35.308	27.059	106.17	1497.89	3.132		302.23
400	9.116	9.072	35.090	27.170	96.71	1493.37	3.087		403.07
500	7.770	7.719	34.948	27.267	88.18	1489.83	3.203		503.96
600	6.647	6.590	34.889	27.380	77.85	1487.09	3.499		604.90
700	5.854	5.792	34.886	27.481	68.68	1485.62	3.884		705.89
800	5.267	5.199	34.903	27.567	60.89	1484.96	4.290		806.92

Cruise: GULFCET 07 **Station:** 12-117
Date: 6-Dec-93 **Time:** 1828 **Lat:** 27° 45.95 **Long:** 88° 49.99
Depth: 1575 m **Wind Dir:** 349 ° **Wind Speed:** 6.3 m/s **Wave Dir:** °
Barometer: 30.08 in. **Air Temp Dry:** 18.8 °C **Air Temp Wet:** 16 °C **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	23.115	23.113	36.154	24.777	316.37	1531.16	5.001		10.07
20	23.116	23.112	36.156	24.779	316.62	1531.33	4.896		20.14
30	23.107	23.101	36.173	24.794	315.58	1531.49	4.957		30.20
50	22.754	22.744	36.293	24.987	297.95	1531.06	4.852		50.34
75	19.587	19.573	36.543	26.050	197.70	1523.30	3.770		75.52
100	17.455	17.438	36.325	26.423	162.91	1517.36	3.680		100.69
125	16.274	16.254	36.173	26.587	147.95	1514.06	3.727		125.88
150	15.356	15.332	36.023	26.682	139.54	1511.47	3.688		151.06
200	13.673	13.644	35.749	26.836	126.00	1506.62	3.501		201.44
250	11.917	11.884	35.473	26.973	113.61	1501.26	3.401		251.83
300	10.513	10.476	35.264	27.070	105.02	1496.95	3.276		302.23
400	8.764	8.721	35.039	27.187	94.83	1492.01	3.266		403.07
500	7.308	7.259	34.896	27.294	85.21	1488.00	3.450		503.96
600	6.439	6.383	34.862	27.387	76.95	1486.24	3.714		604.90
700	5.841	5.778	34.885	27.482	68.53	1485.57	3.961		705.89
800	5.396	5.326	34.898	27.547	62.98	1485.47	4.211		806.92

Cruise: GULFCET 07 **Station:** 12-119
Date: 6-Dec-93 **Time:** 1205 **Lat:** 28° 25.96 **Long:** 88° 50.04
Depth: 1300 m **Wind Dir:** 353 ° **Wind Speed:** 5.8 m/s **Wave Dir:** 350 °
Barometer: 30.05 in. **Air Temp Dry:** 18.5 °C **Air Temp Wet:** 15.5 °C **Secchi Depth:** 26 m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	23.363	23.361	35.944	24.546	338.44	1531.55	4.835		10.07
20	23.362	23.358	35.953	24.553	338.14	1531.73	4.894		20.14
30	23.360	23.353	35.976	24.571	336.80	1531.92	4.878		30.20
50	23.359	23.348	35.987	24.580	336.74	1532.26	4.900		50.34
75	22.144	22.129	36.573	25.375	262.03	1530.22	4.134		75.52
100	19.768	19.750	36.606	26.050	198.58	1524.30	3.693		100.69
125	18.383	18.361	36.481	26.312	174.43	1520.66	3.737		125.88
150	16.837	16.812	36.258	26.520	155.26	1516.28	3.558		151.06
200	15.237	15.206	36.004	26.695	139.88	1511.92	3.535		201.44
250	13.533	13.497	35.724	26.846	126.42	1506.96	3.501		251.83
300	12.239	12.199	35.518	26.946	117.63	1503.24	3.425		302.23
400	10.239	10.191	35.220	27.083	105.80	1497.59	3.315		403.07
500	8.661	8.607	35.014	27.184	96.96	1493.26	3.344		503.96
600	7.462	7.401	34.901	27.276	88.70	1490.26	3.417		604.90
700	6.568	6.502	34.885	27.388	78.52	1488.45	3.670		705.89
800	5.833	5.761	34.885	27.484	69.73	1487.21	4.061		806.92

Cruise: GULFCET 07 **Station:** 12-125
Date: 6-Dec-93 **Time:** 0605 **Lat:** 29° 06.47 **Long:** 88° 50.03
Depth: 90 m **Wind Dir:** 318.2 ° **Wind Speed:** 5.1 m/s **Wave Dir:** °
Barometer: 30.03 in. **Air Temp Dry:** 16 °C **Air Temp Wet:** 15 °C **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	21.556	21.555	34.530	23.985	391.83	1525.33	5.274	.404	10.07
20	22.848	22.844	35.758	24.554	338.02	1530.21	5.035	.171	20.14
30	22.915	22.909	35.859	24.611	332.93	1530.66	4.988	.147	30.20
50	22.854	22.844	35.876	24.642	330.80	1530.86	4.950	.118	50.34
75	19.128	19.115	36.429	26.082	194.60	1521.89	3.235	.058	75.52

Cruise: GULFCET 07 **Station:** 13-126
Date: 6-Dec-93 **Time:** 0208 **Lat:** 29° 16.46 **Long:** 88° 09.97
Depth: 97 m **Wind Dir:** 323 ° **Wind Speed:** 5.8 m/s **Wave Dir:** °
Barometer: 29.98 in. **Air Temp Dry:** 18 °C **Air Temp Wet:** 15.5 °C **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.495	22.493	35.841	24.718	321.99	1529.23	5.074	.276	10.07
20	22.513	22.508	35.841	24.713	322.82	1529.44	5.073	.300	20.14
30	22.510	22.504	35.841	24.714	323.15	1529.61	5.077	.256	30.20
50	22.499	22.489	35.921	24.778	317.79	1530.00	4.878	.266	50.34
75	19.595	19.581	36.463	25.986	203.70	1523.24	3.485	.086	75.52

Cruise: GULFCET 07 **Station:** 13-133
Date: 5-Dec-93 **Time:** 2107 **Lat:** 28° 45.97 **Long:** 88° 09.96
Depth: 1850 m **Wind Dir:** 2.8 ° **Wind Speed:** 3.8 m/s **Wave Dir:** °
Barometer: 29.98 in. **Air Temp Dry:** 17.8 °C **Air Temp Wet:** 14 °C **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	23.341	23.339	36.065	24.644	329.08	1531.63	4.823		10.07
20	23.341	23.337	36.065	24.644	329.44	1531.80	4.897		20.14
30	23.343	23.336	36.064	24.643	329.92	1531.97	4.924		30.20
50	23.347	23.336	36.064	24.642	330.82	1532.32	4.884		50.34
75	22.701	22.686	36.391	25.077	290.38	1531.46	4.686		75.52
100	20.068	20.049	36.545	25.924	210.59	1525.06	3.710		100.69
125	18.435	18.413	36.494	26.309	174.73	1520.83	3.668		125.88
150	17.208	17.182	36.286	26.453	161.70	1517.42	3.432		151.06
200	15.336	15.305	36.012	26.678	141.48	1512.23	3.570		201.44
250	14.137	14.100	35.828	26.799	131.08	1509.05	3.553		251.83
300	12.817	12.776	35.619	26.910	121.34	1505.30	3.503		302.23
400	10.687	10.638	35.283	27.053	108.99	1499.26	3.371		403.07
500	9.282	9.225	35.091	27.144	101.28	1495.64	3.273		503.96
600	7.786	7.724	34.936	27.256	91.00	1491.54	3.336		604.90
700	6.585	6.519	34.874	27.376	79.61	1488.49	3.674		705.89
800	6.006	5.933	34.883	27.459	72.28	1487.89	3.961		806.92

Cruise: GULFCET 07 **Station:** 13-134
Date: 5-Dec-93 **Time:** 1857 **Lat:** 28° 37.00 **Long:** 88° 10.00
Depth: 2000 m **Wind Dir:** 317 ° **Wind Speed:** 4 m/s **Wave Dir:** °
Barometer: 29.96 in. **Air Temp Dry:** 17.5 °C **Air Temp Wet:** 15 °C **Secchi Depth:** m

Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	23.329	23.327	36.057	24.642	329.28	1531.59	4.945		10.07
20	23.332	23.328	36.057	24.640	329.78	1531.77	4.936		20.14
30	23.333	23.326	36.057	24.640	330.18	1531.94	4.897		30.20
50	23.316	23.306	36.060	24.647	330.31	1532.24	4.941		50.34
75	21.896	21.881	36.636	25.492	250.86	1529.64	4.009		75.52
100	19.722	19.704	36.595	26.054	198.19	1524.16	3.652		100.69
125	18.162	18.140	36.452	26.345	171.22	1519.99	3.672		125.88
150	17.456	17.431	36.356	26.446	162.39	1518.23	3.764		151.06
200	16.107	16.074	36.145	26.605	148.59	1514.77	3.782		201.44
250	14.378	14.341	35.856	26.769	134.04	1509.86	3.551		251.83
300	12.990	12.948	35.638	26.890	123.36	1505.90	3.521		302.23
400	10.538	10.489	35.257	27.059	108.27	1498.70	3.362		403.07
500	8.869	8.814	35.022	27.157	99.66	1494.04	3.288		503.96
600	8.190	8.126	34.958	27.212	95.57	1493.09	3.268		604.90
700	7.055	6.986	34.899	27.332	84.51	1490.36	3.405		705.89
800	6.000	5.927	34.876	27.455	72.69	1487.86	3.883		806.92

Cruise: GULFCET 07 **Station:** 14-135
Date: 5-Dec-93 **Time:** 1355 **Lat:** 28° 30.98 **Long:** 87° 29.98
Depth: 2000 m **Wind Dir:** 306 ° **Wind Speed:** 3 m/s **Wave Dir:** 320 °
Barometer: 29.94 in. **Air Temp Dry:** 17.5 °C **Air Temp Wet:** 14.7 °C **Secchi Depth:** 30 m

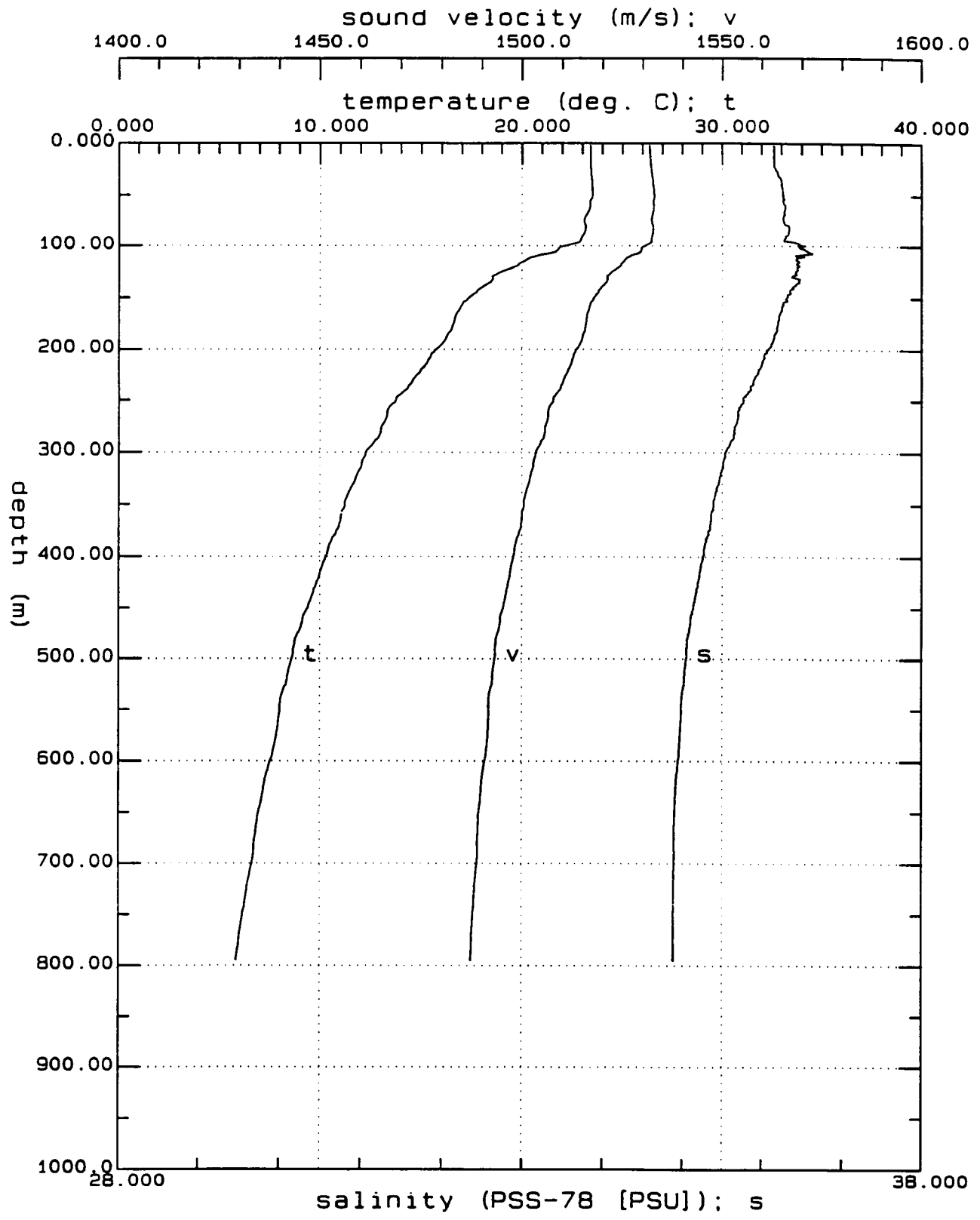
Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	23.390	23.388	36.043	24.613	332.03	1531.73	4.928		10.07
20	23.386	23.382	36.042	24.614	332.36	1531.89	4.924		20.14
30	23.383	23.377	36.041	24.614	332.71	1532.05	4.984		30.20
50	23.379	23.369	36.041	24.615	333.40	1532.38	4.964		50.34
75	21.131	21.117	36.531	25.625	238.13	1527.50	3.924		75.52
100	19.757	19.738	36.601	26.049	198.65	1524.26	3.581		100.69
125	18.409	18.387	36.480	26.305	175.13	1520.73	3.627		125.88
150	17.423	17.397	36.346	26.447	162.31	1518.12	3.790		151.06
200	15.564	15.533	36.047	26.654	143.85	1512.99	3.318		201.44
250	14.195	14.158	35.829	26.787	132.23	1509.24	3.344		251.83
300	13.420	13.378	35.713	26.860	126.37	1507.41	3.273		302.23
400	11.137	11.086	35.355	27.028	111.69	1500.92	3.137		403.07
500	9.577	9.519	35.140	27.133	102.63	1496.77	3.095		503.96
600	7.979	7.916	34.964	27.249	91.88	1492.30	3.133		604.90
700	6.703	6.636	34.885	27.369	80.43	1488.97	3.457		705.89

Cruise: GULFCET 07 **Station:** 14-136
Date: 5-Dec-93 **Time:** 1056 **Lat:** 28° 45.97 **Long:** 87° 30.04
Depth: 1600 m **Wind Dir:** 344 ° **Wind Speed:** 4.8 m/s **Wave Dir:** 330 °
Barometer: 29.99 in. **Air Temp Dry:** 17 °C **Air Temp Wet:** 16 °C **Secchi Depth:** m

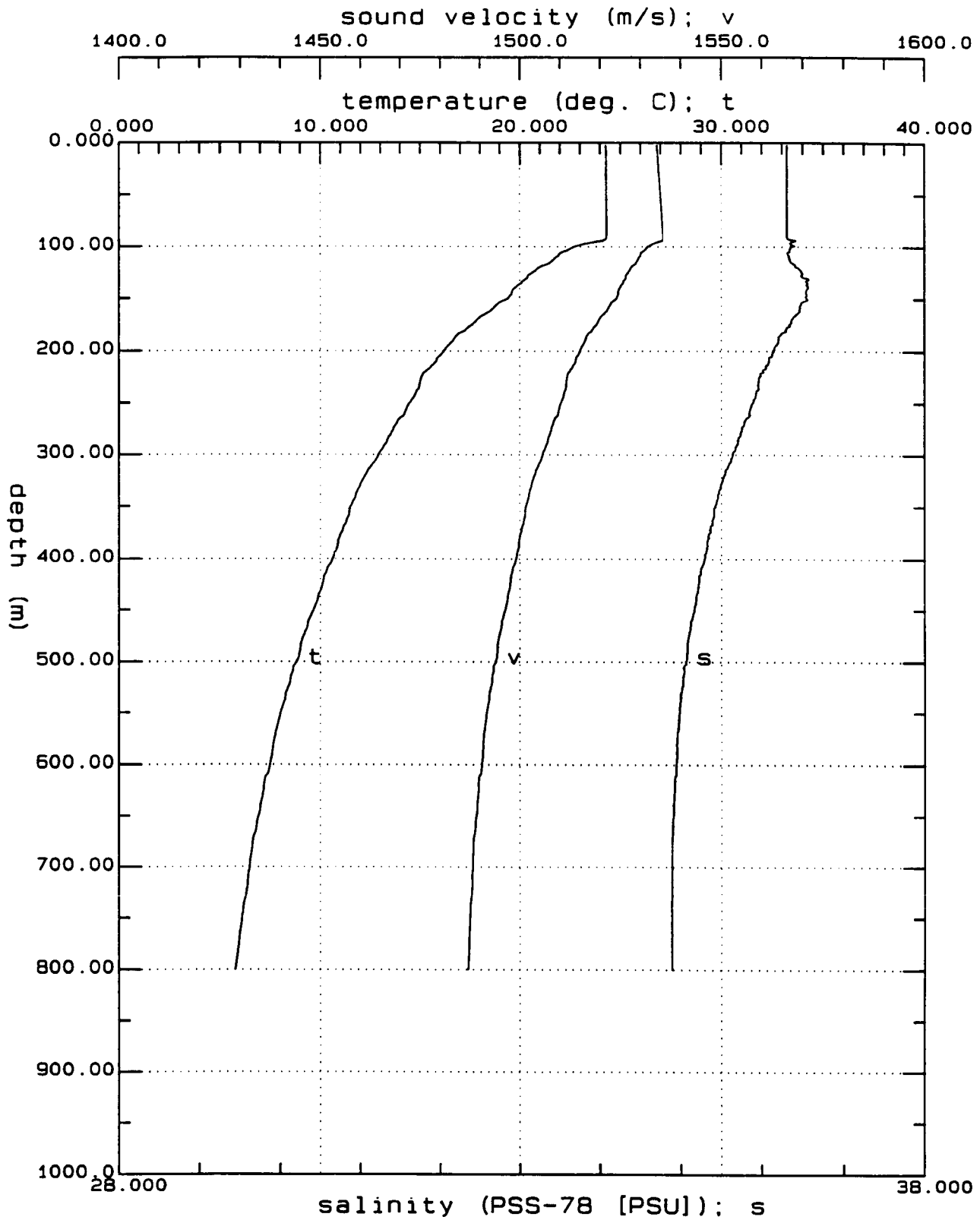
Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	23.083	23.081	36.014	24.680	325.61	1530.92	4.986		10.07
20	23.040	23.036	36.004	24.685	325.52	1530.97	4.993		20.14
30	22.995	22.989	35.983	24.683	326.15	1531.00	5.004		30.20
50	22.998	22.988	35.988	24.685	326.66	1531.35	4.965		50.34
75	21.662	21.647	36.538	25.483	251.65	1528.92	4.325		75.52
100	19.527	19.508	36.576	26.091	194.70	1523.59	3.703		100.69
125	18.074	18.052	36.433	26.353	170.46	1519.71	3.717		125.88
150	17.067	17.042	36.288	26.488	158.35	1517.00	3.771		151.06
200	15.396	15.364	36.039	26.686	140.73	1512.45	3.752		201.44
250	13.968	13.931	35.798	26.811	129.85	1508.47	3.616		251.83
300	12.688	12.647	35.600	26.921	120.23	1504.85	3.387		302.23
400	10.573	10.524	35.278	27.069	107.35	1498.85	3.277		403.07
500	9.106	9.050	35.081	27.165	99.17	1494.98	3.257		503.96
600	7.744	7.682	34.945	27.269	89.72	1491.39	3.395		604.90
700	6.401	6.336	34.880	27.406	76.58	1487.78	3.840		705.89
800	5.794	5.723	34.886	27.489	69.19	1487.06	4.215		806.92

Cruise: GULFCET 07 **Station:** 14-143
Date: 5-Dec-93 **Time:** 0455 **Lat:** 29° 26.84 **Long:** 87° 29.97
Depth: 90 m **Wind Dir:** 7.4 ° **Wind Speed:** 34.0 m/s **Wave Dir:** °
Barometer: 29.90 in. **Air Temp Dry:** 15 °C **Air Temp Wet:** 13.5 °C **Secchi Depth:** m

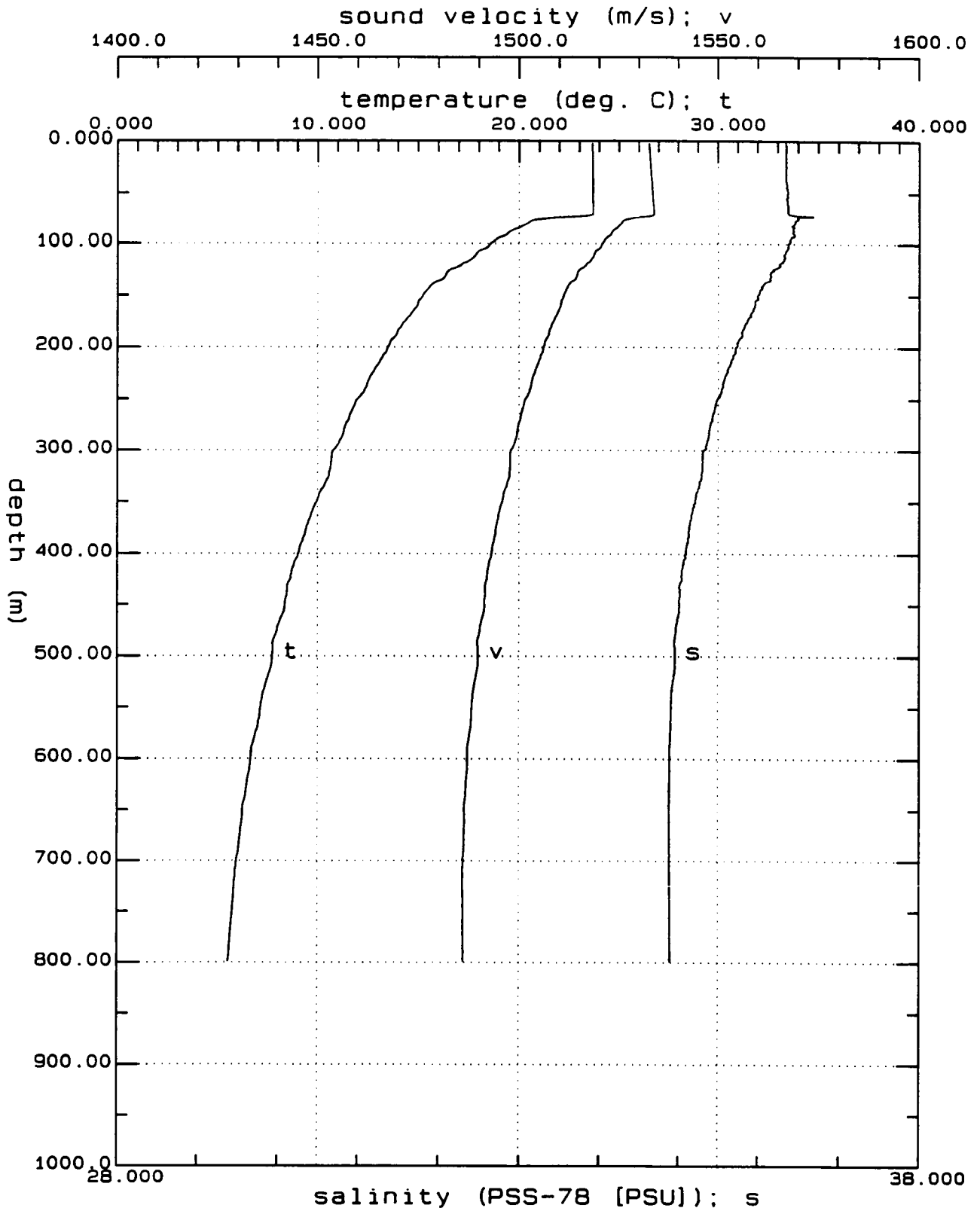
Depth	Temp.	Pot. Temp.	Salinity	Density	SVA	Sound V	Oxy.	Fluor.	Pressure
10	22.557	22.555	35.753	24.634	330.03	1529.29	4.203	.234	10.07
20	22.512	22.508	35.787	24.672	326.75	1529.38	4.309	.211	20.14
30	22.535	22.529	35.763	24.648	329.46	1529.59	4.204	.226	30.20
50	22.531	22.520	35.813	24.687	326.53	1529.96	4.162	.239	50.34



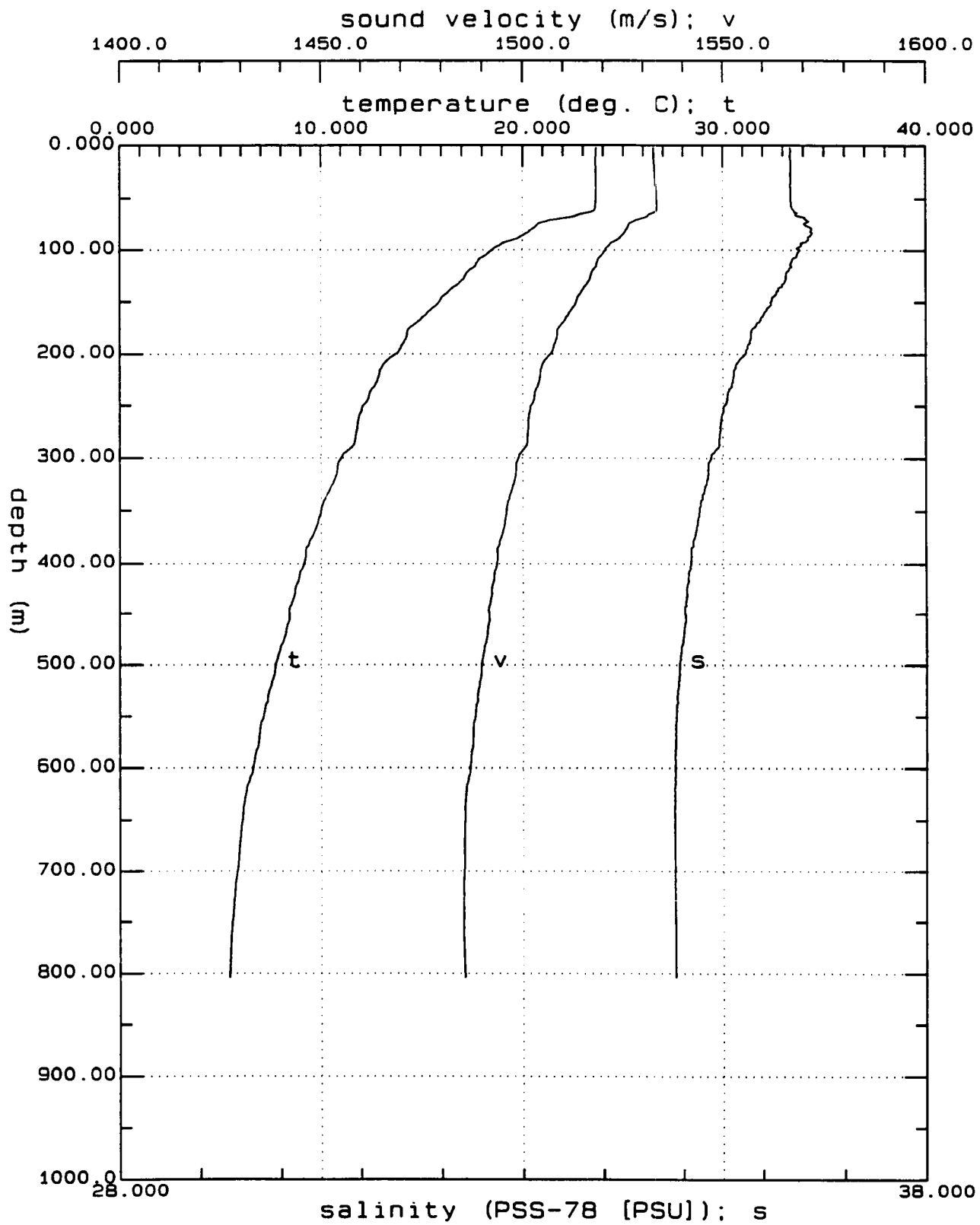
05-050.CNV: Gulfcet Cruise 07



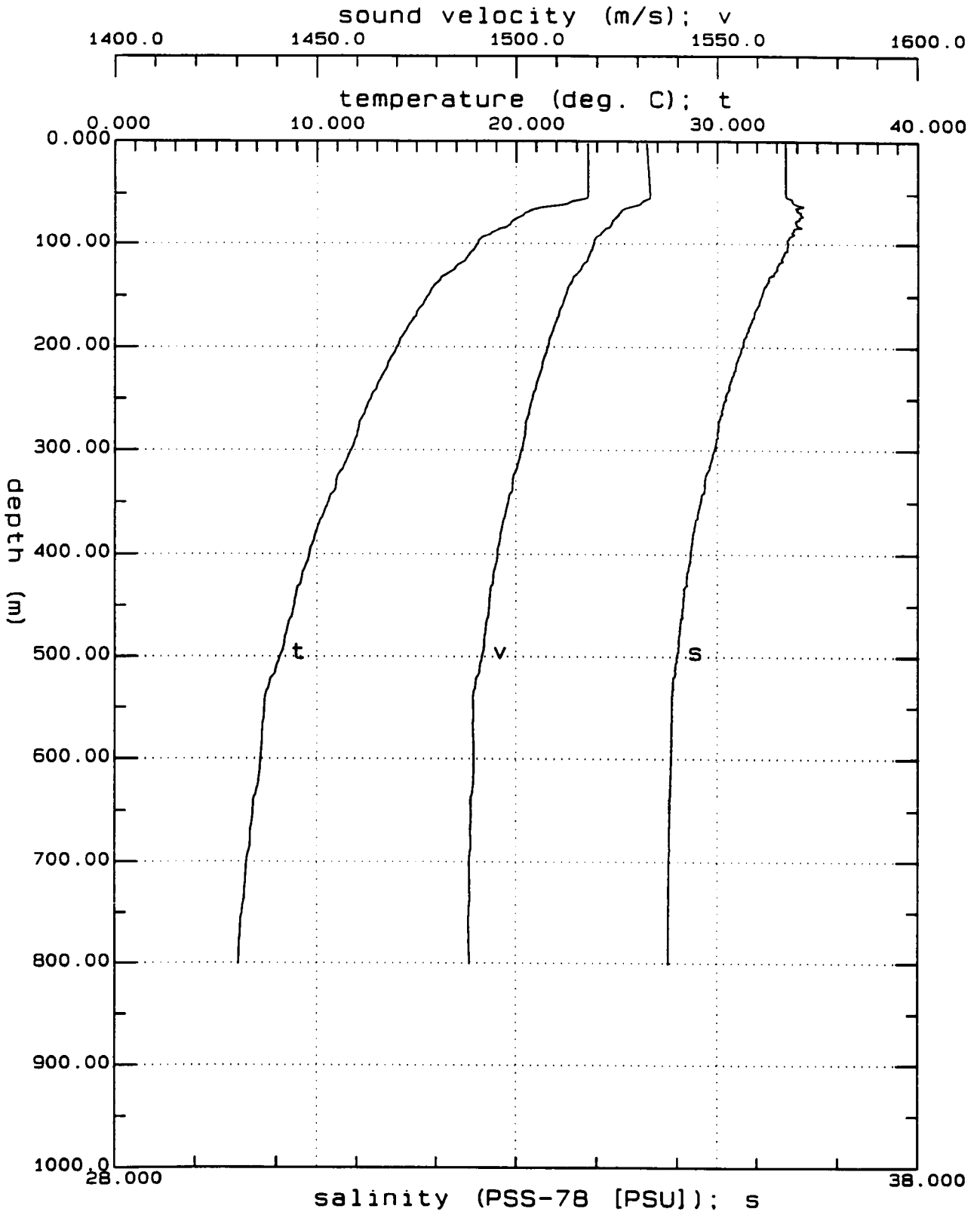
05-053.CNV: Gulfcet Cruise 07



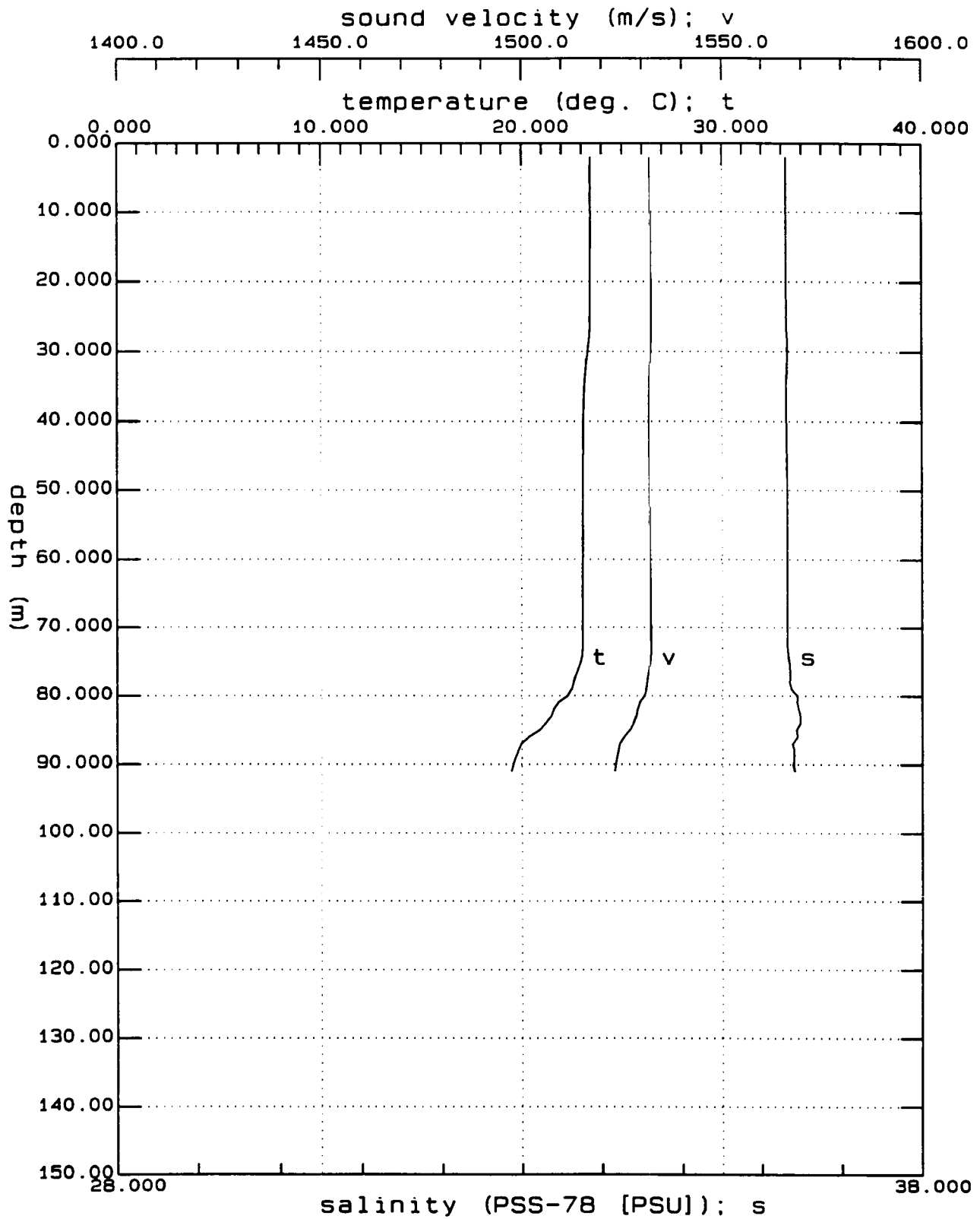
06-054.CNV: Gulfcet Cruise 07



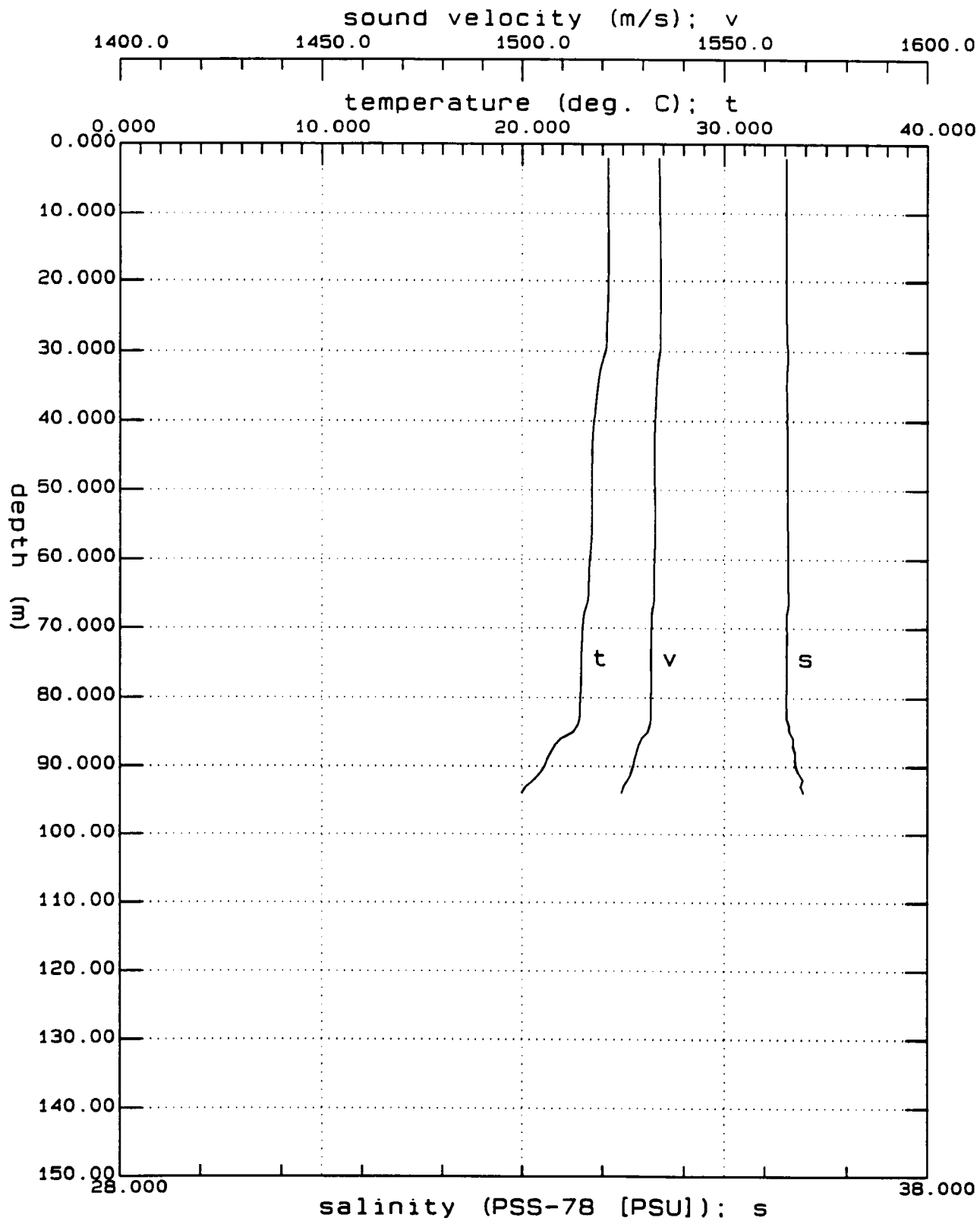
06-055.CNV: Gulfcet Cruise 07



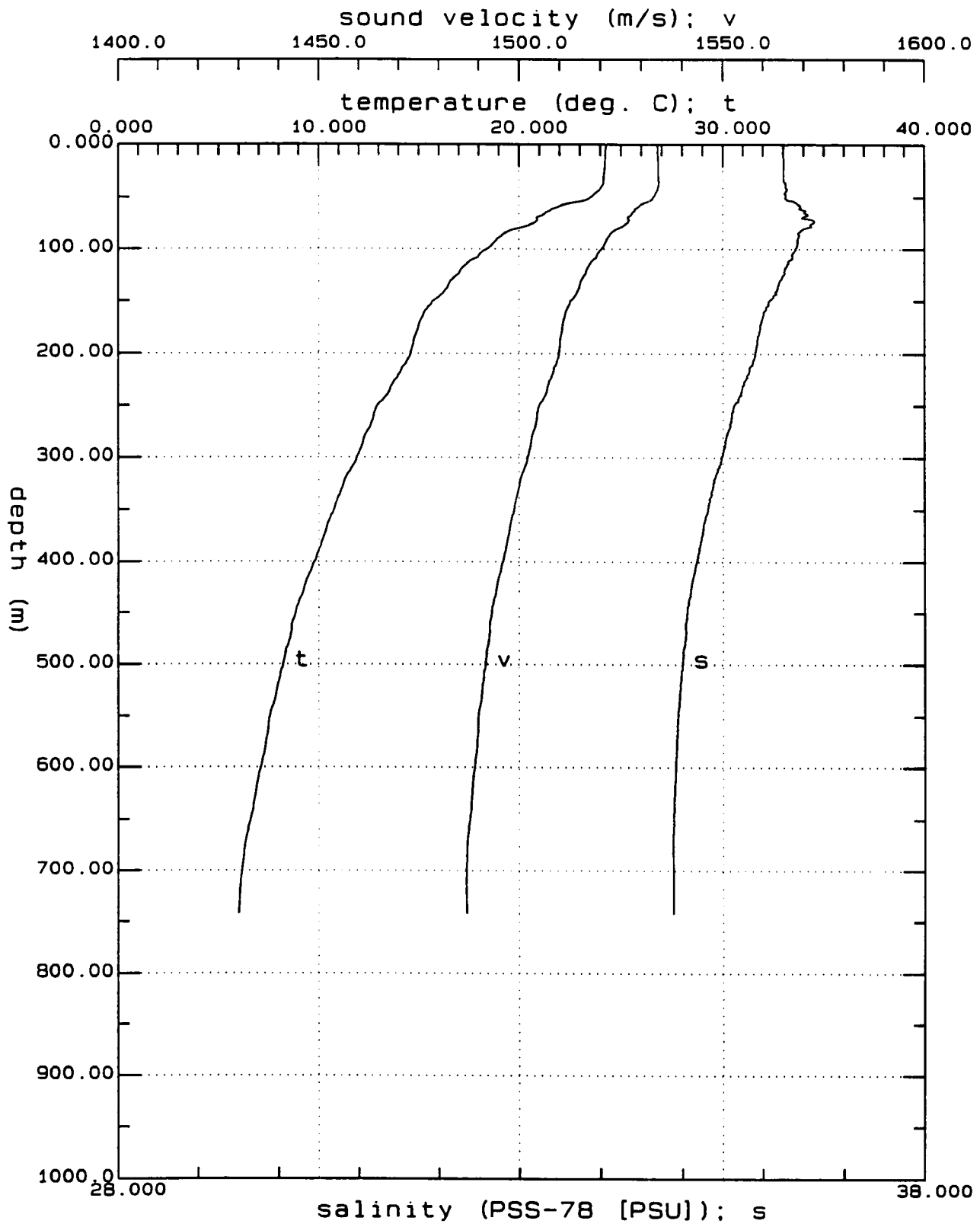
06-059.CNV: Gulfcet Cruise 07



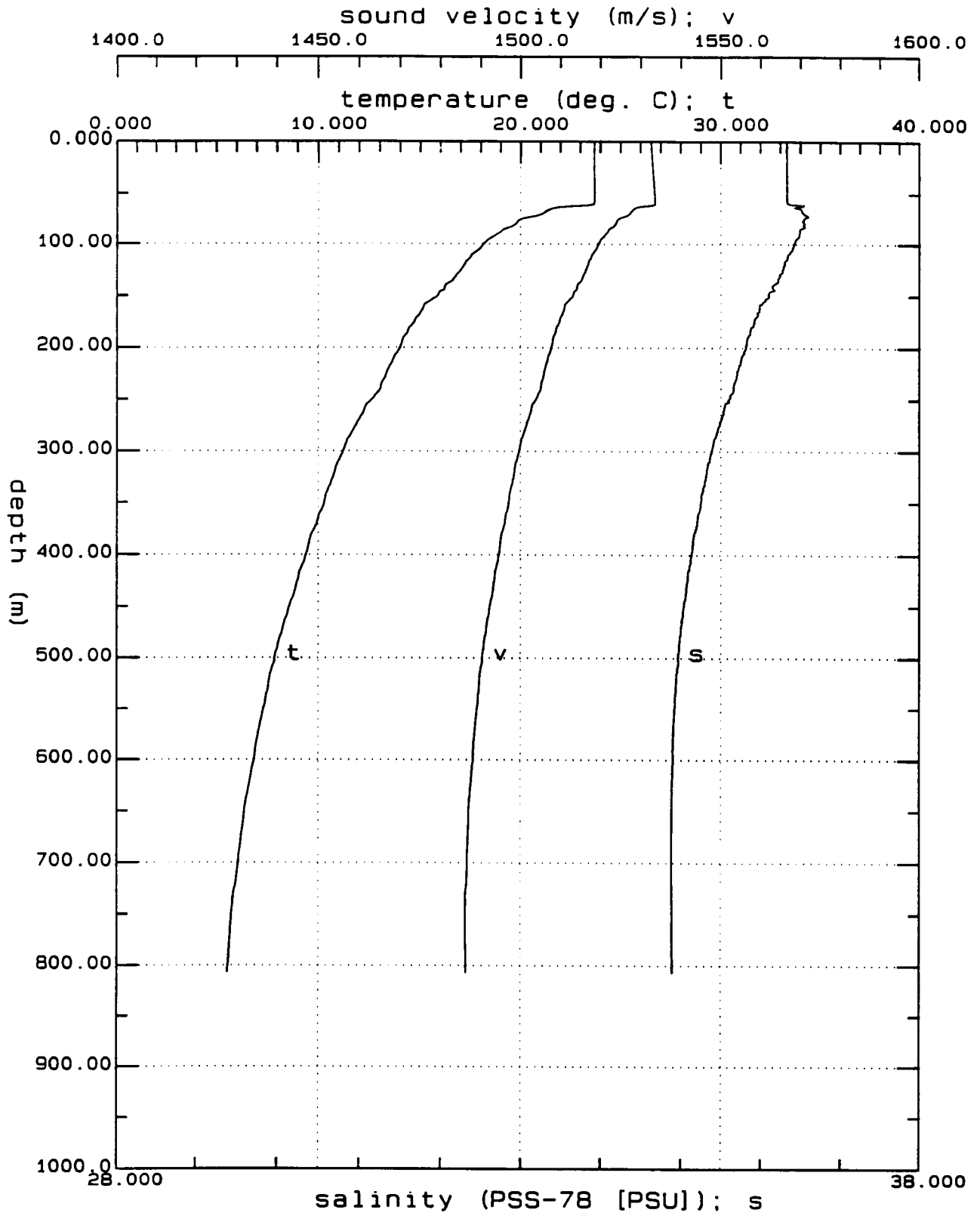
06-064.CNV: Gulfcet Cruise 07



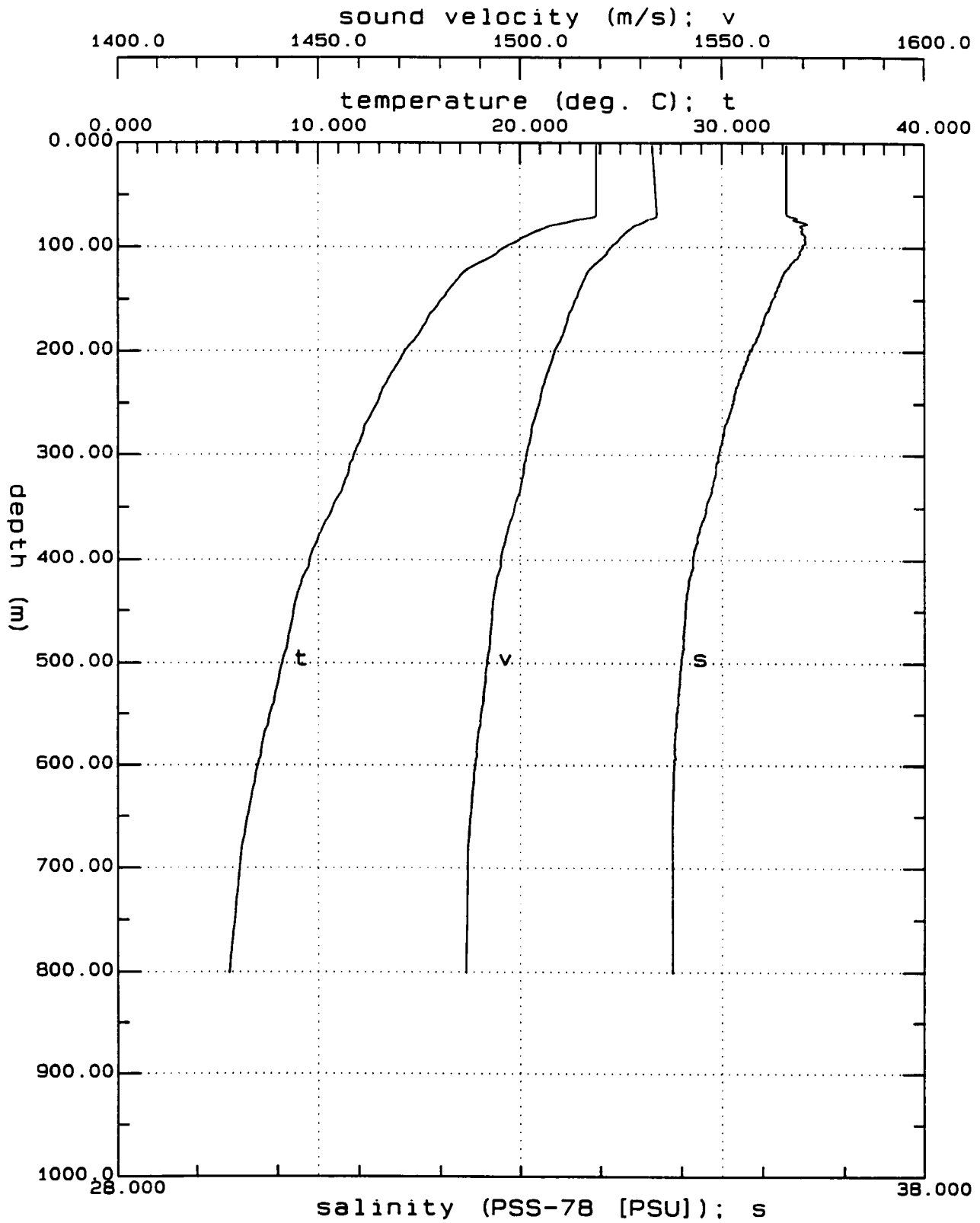
07-065.CNV: Gulfcet Cruise 07



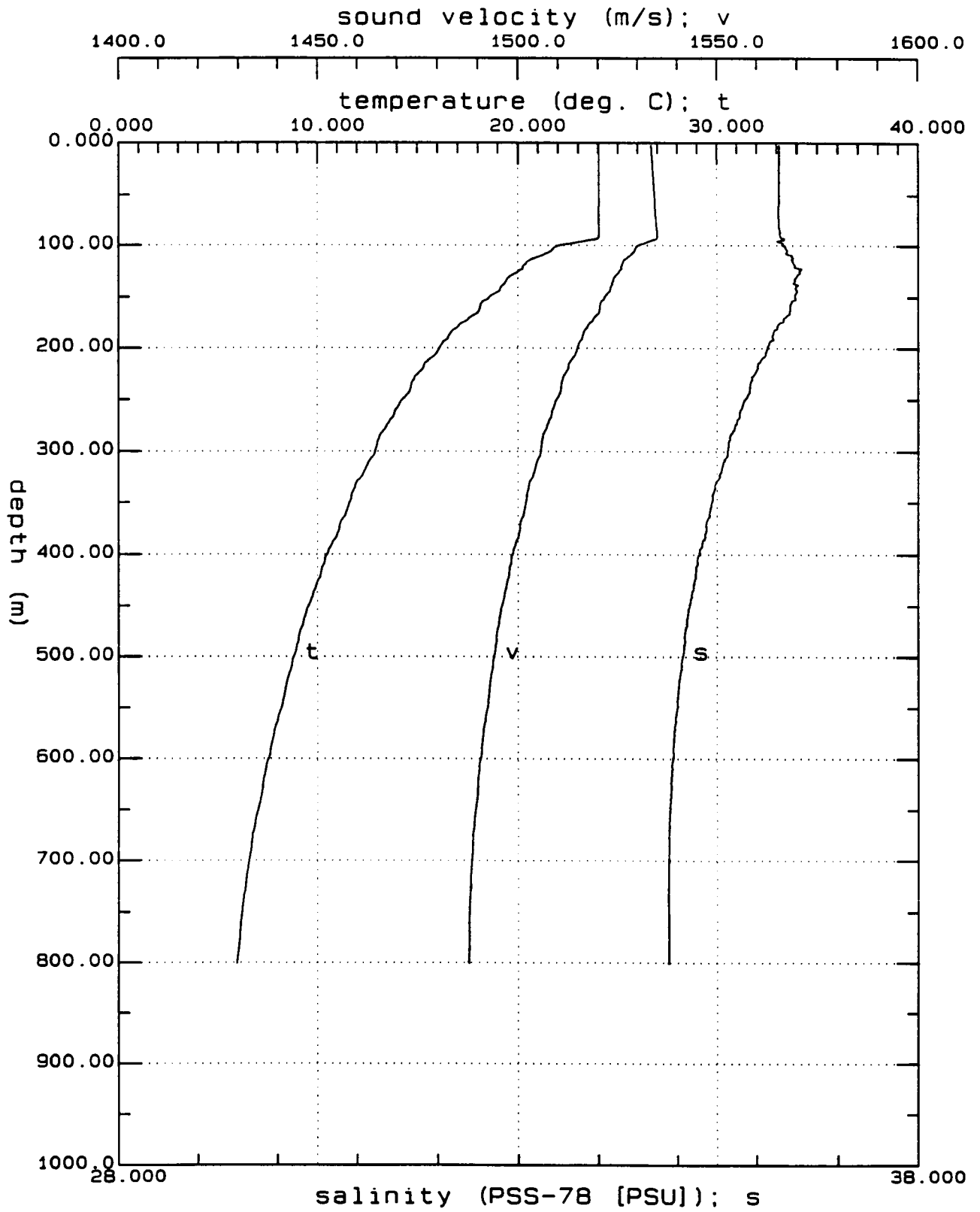
07-071.CNV: Gulfcet Cruise 07



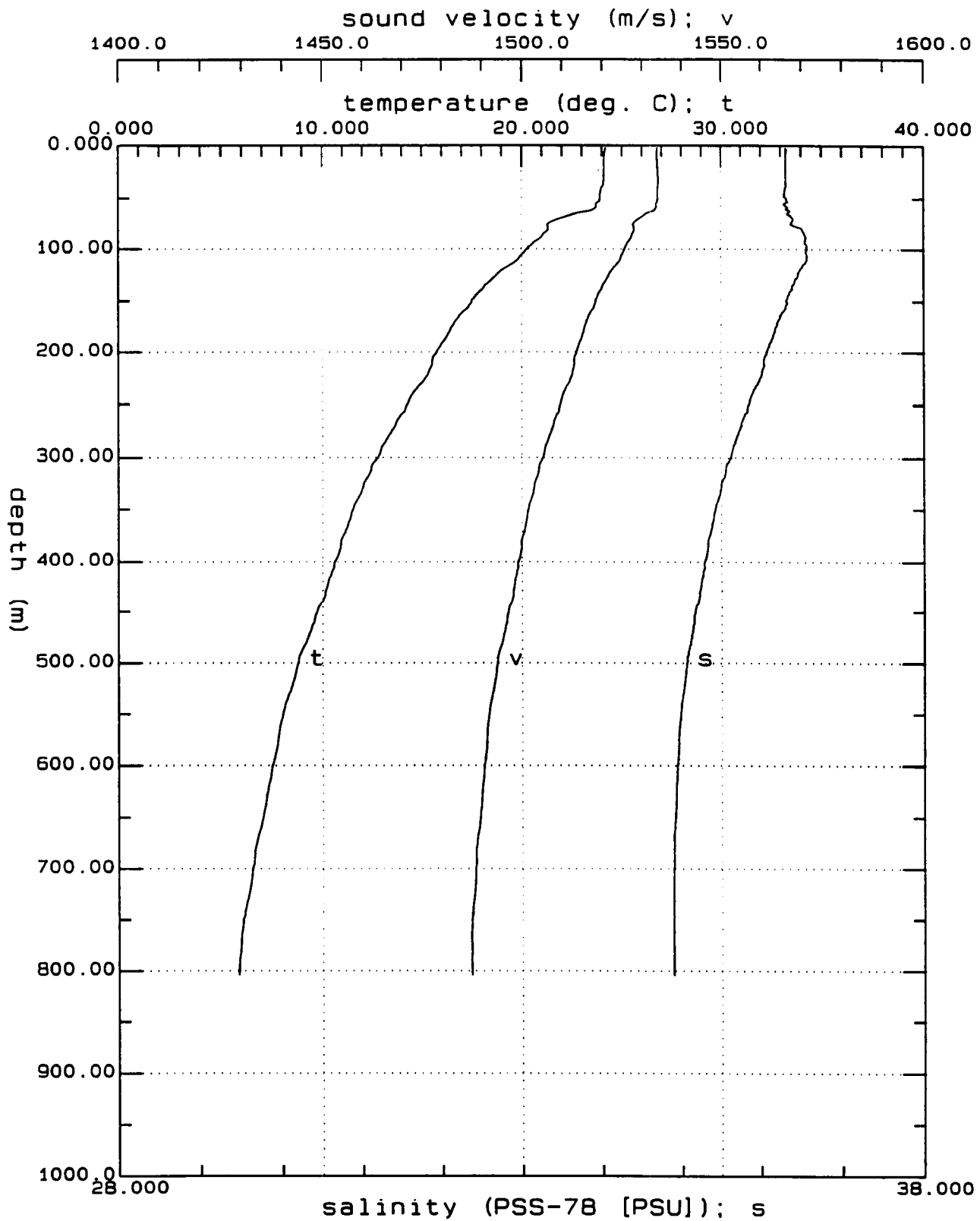
07-073.CNV: Gulfcet Cruise 07



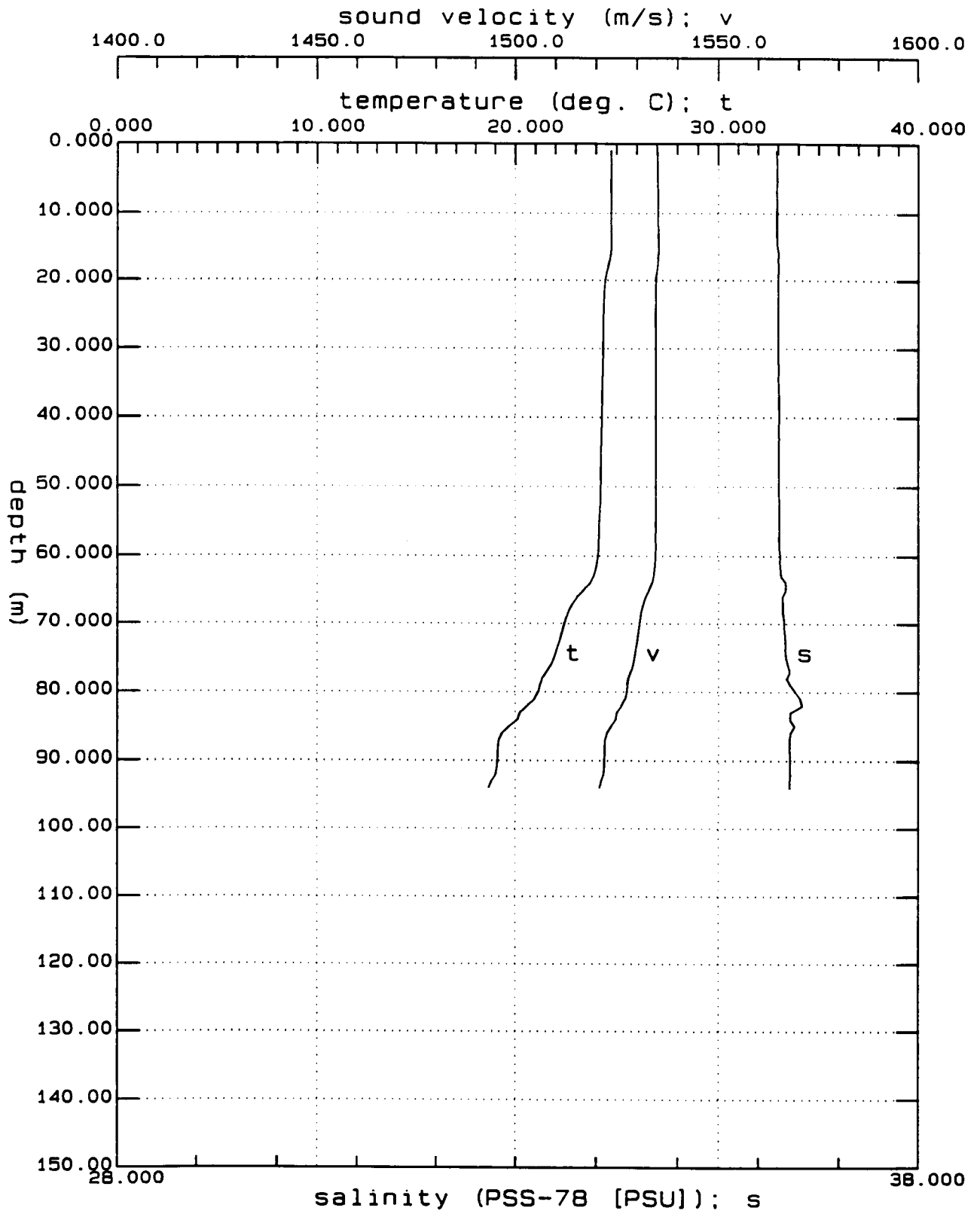
07-075.CNV: Gulfcet Cruise 07



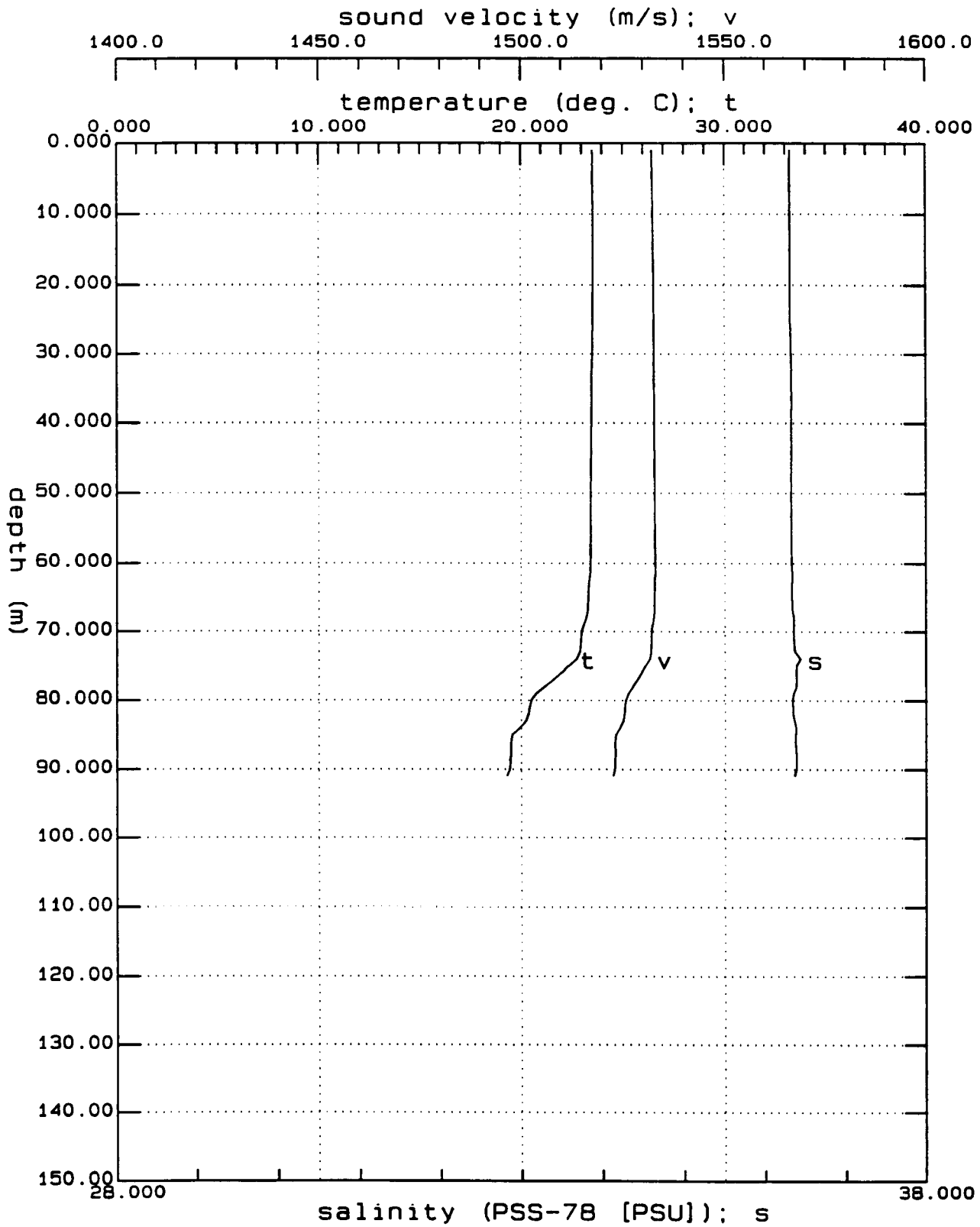
08-076.CNV: Gulfcet Cruise 07



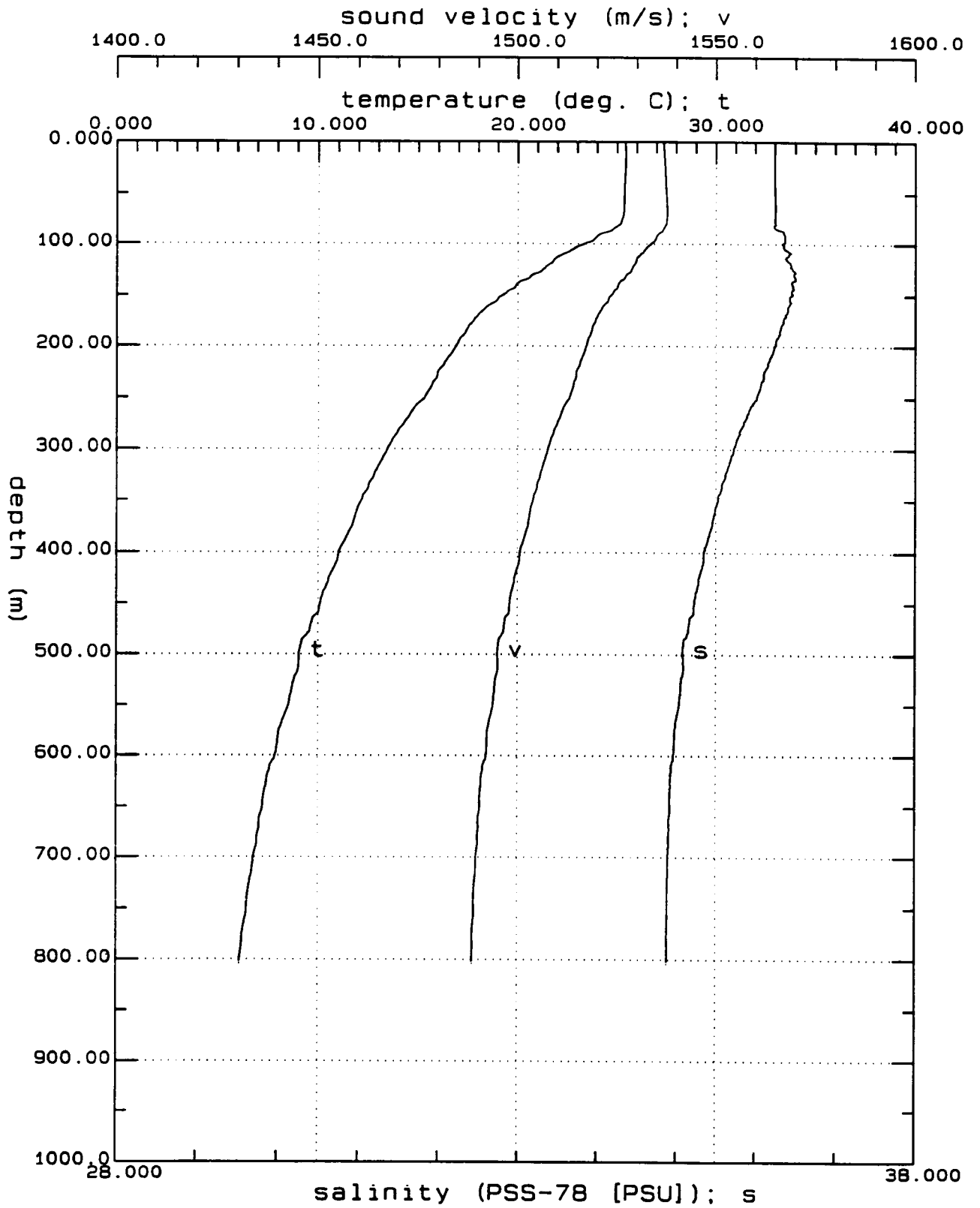
08-080.CNV: Gulfcet Cruise 07



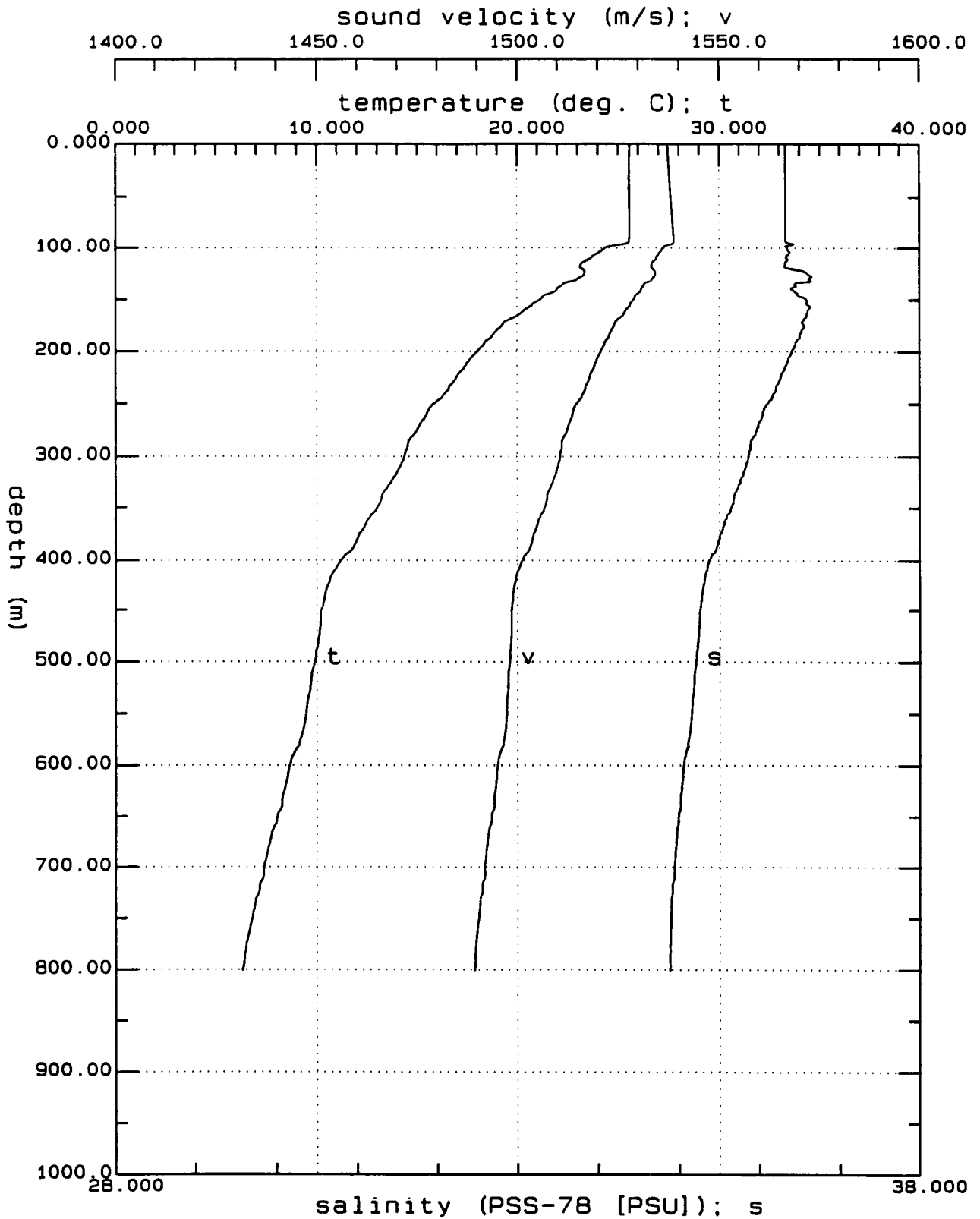
08-086.CNV: Gulfcet Cruise 07



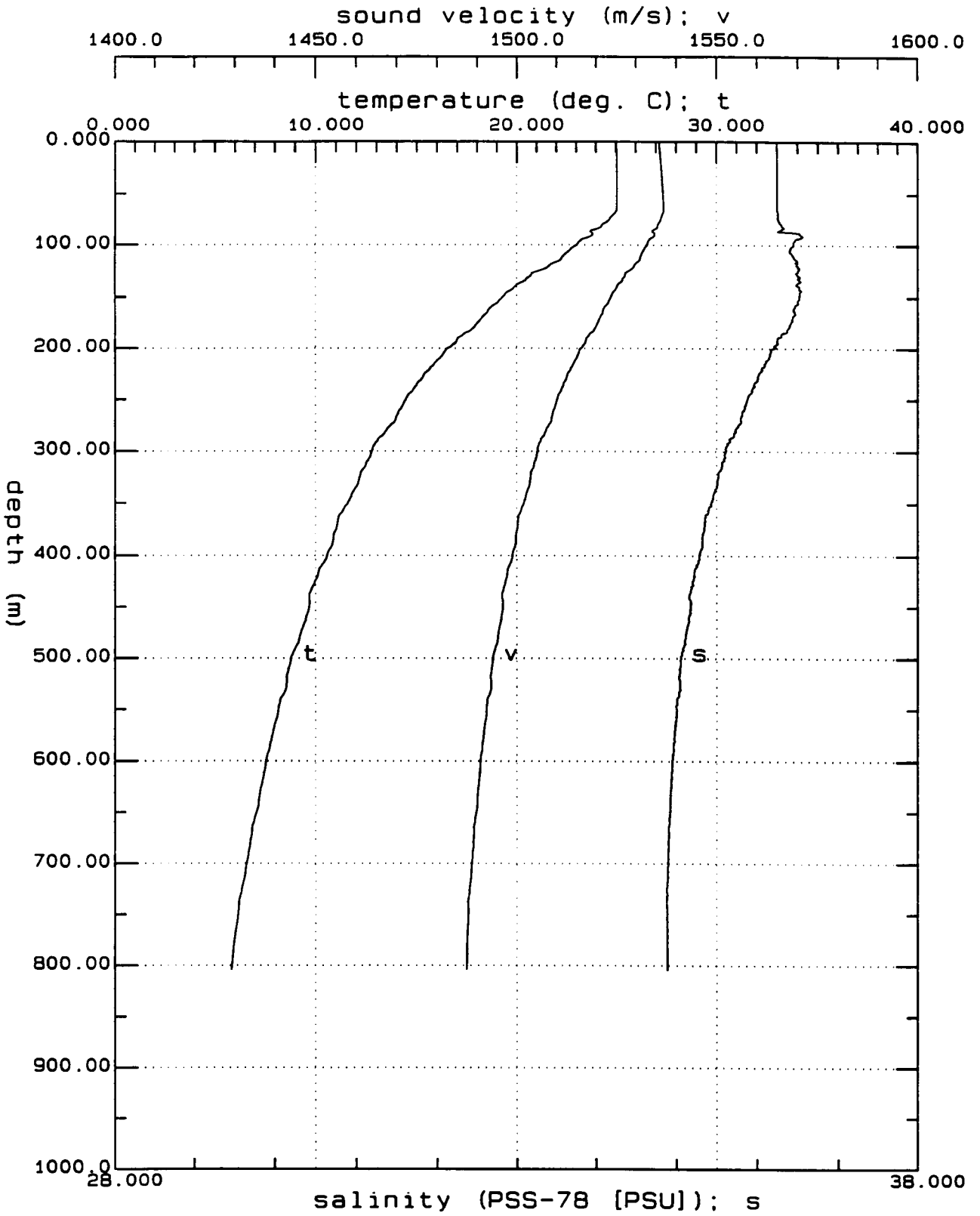
09-087.CNV: Gulfcet Cruise 07



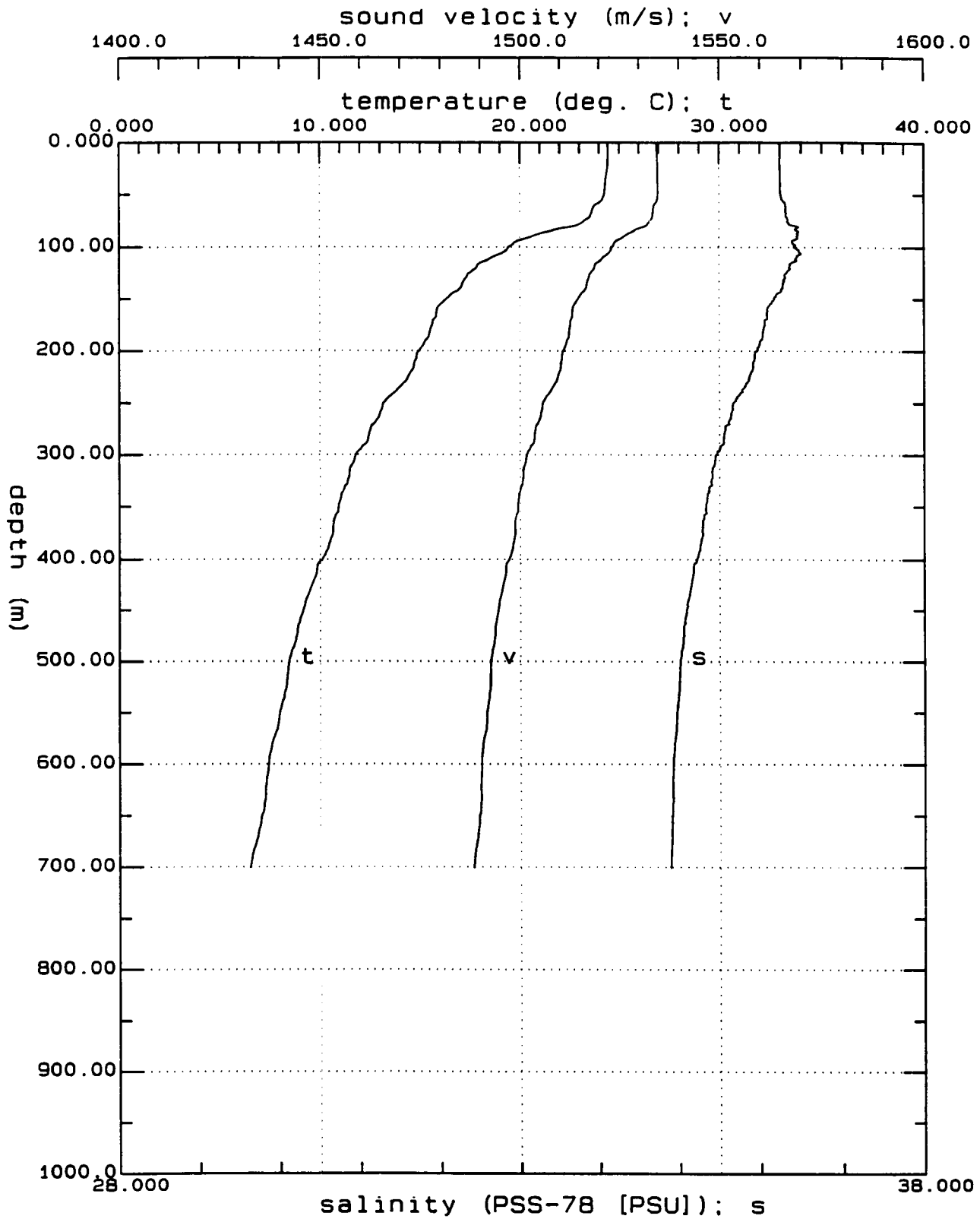
09-093.CNV: Gulfcet Cruise 07



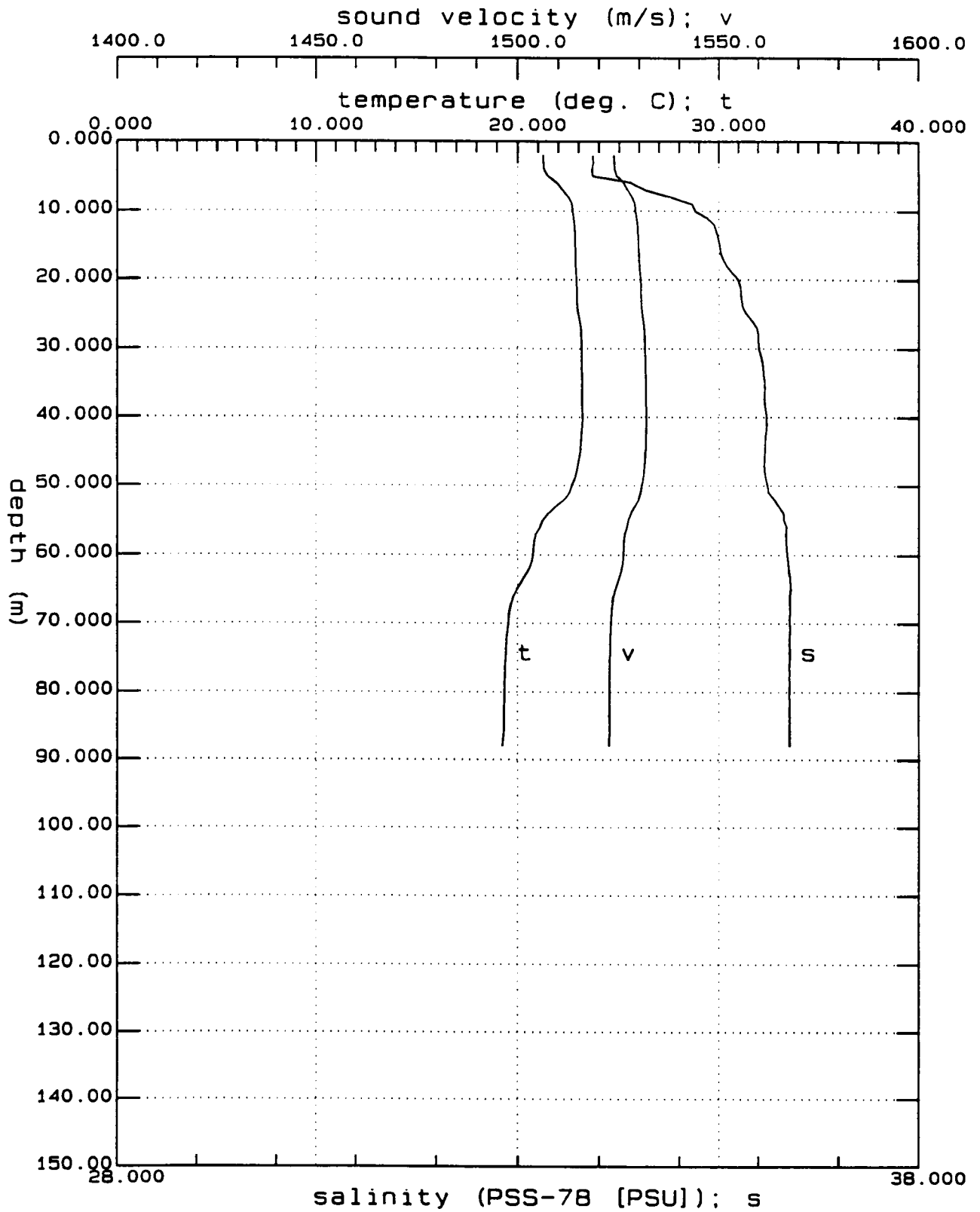
09-096.CNV: Gulfcet Cruise 07



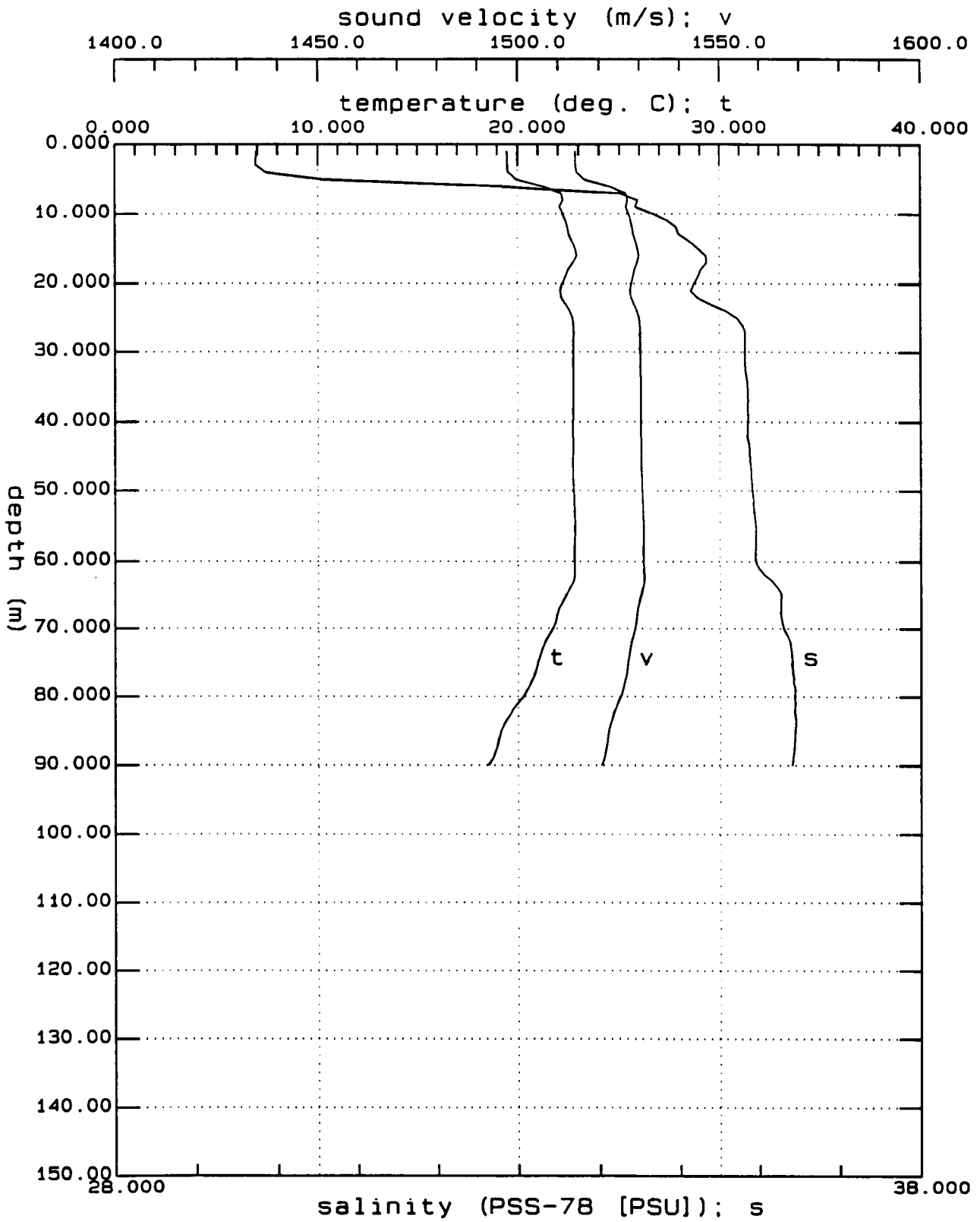
10-097.CNV: Gulfcet Cruise 07



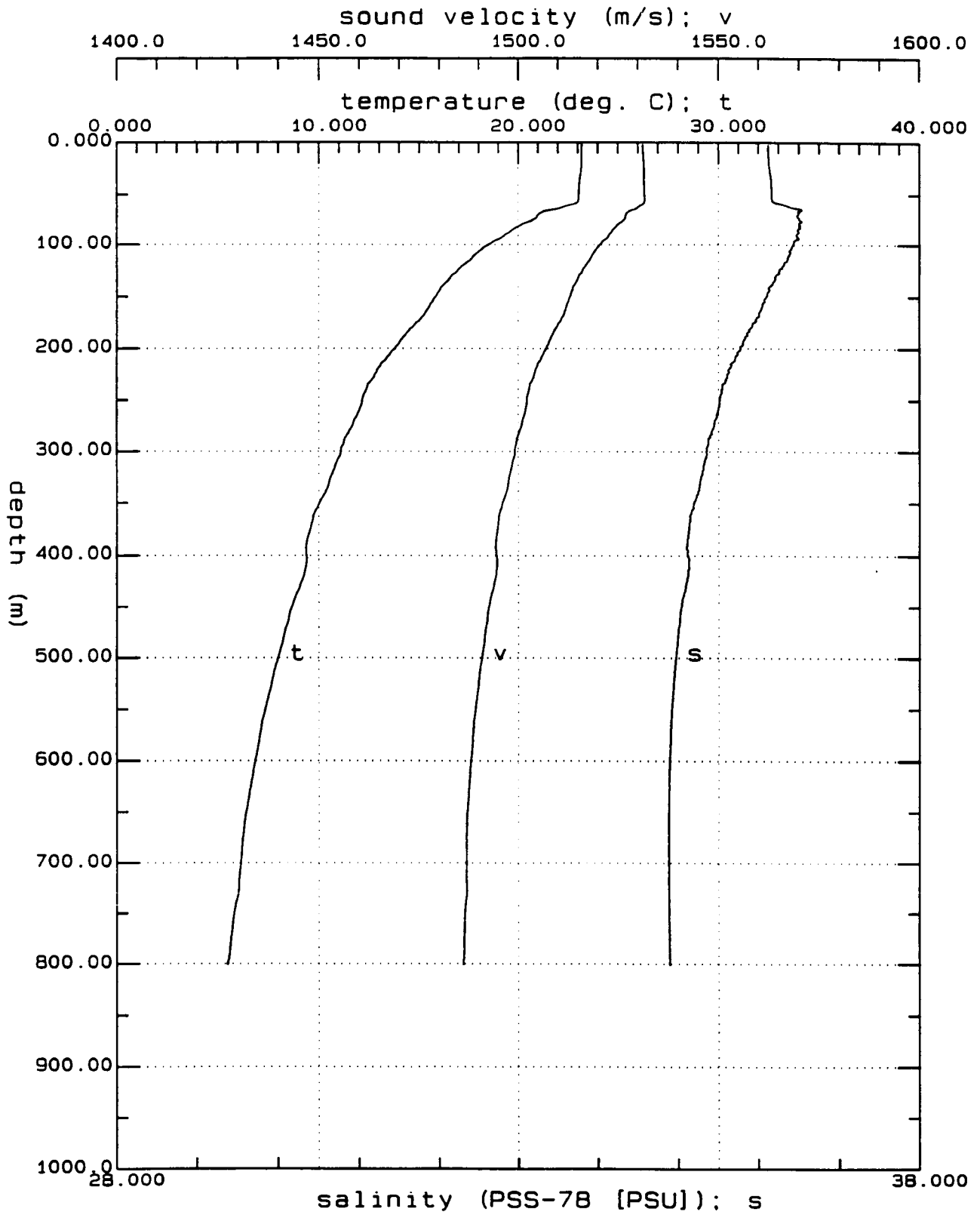
10-100.CNV: Gulfcet Cruise 07



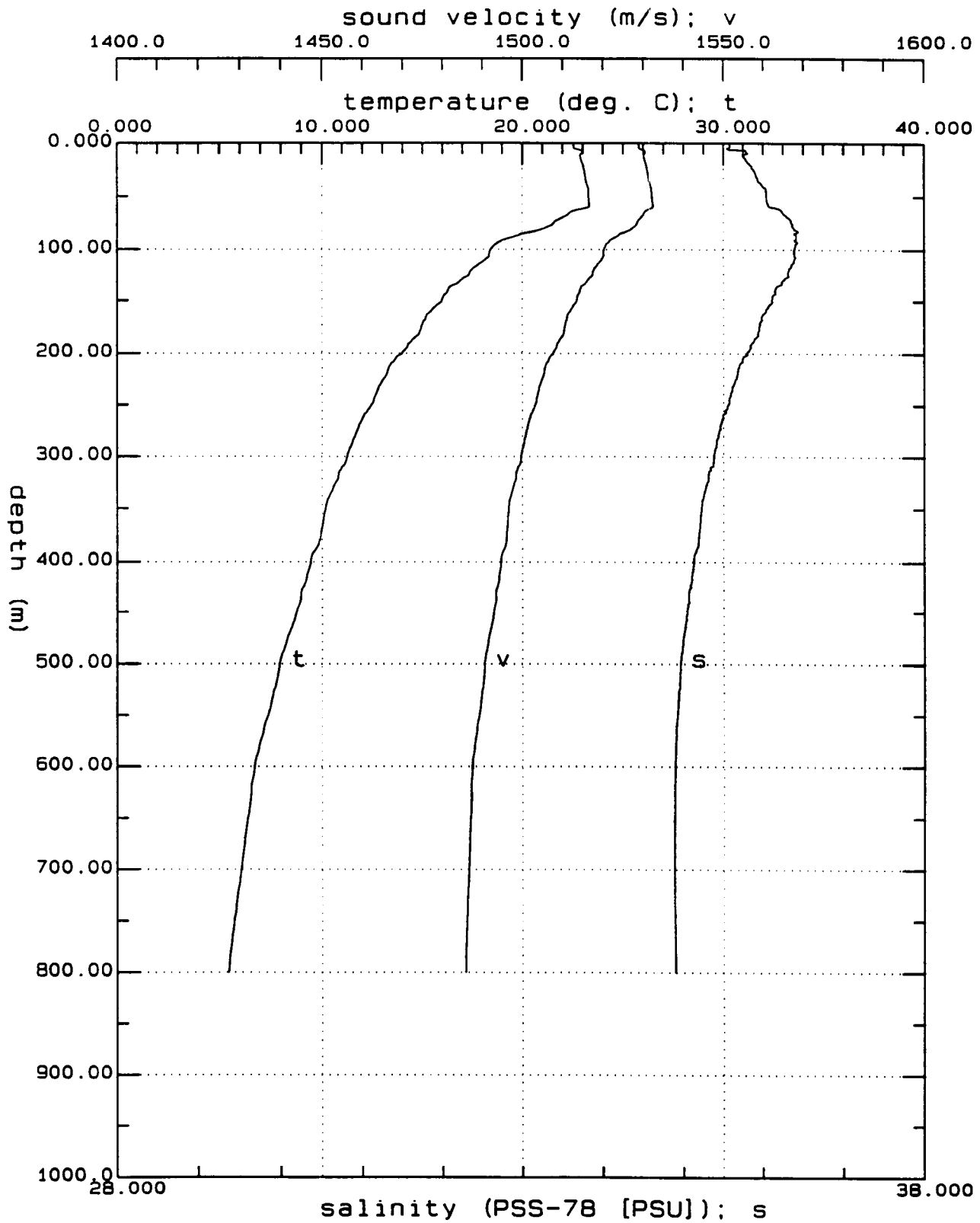
10-105.CNV: Gulfcet Cruise 07



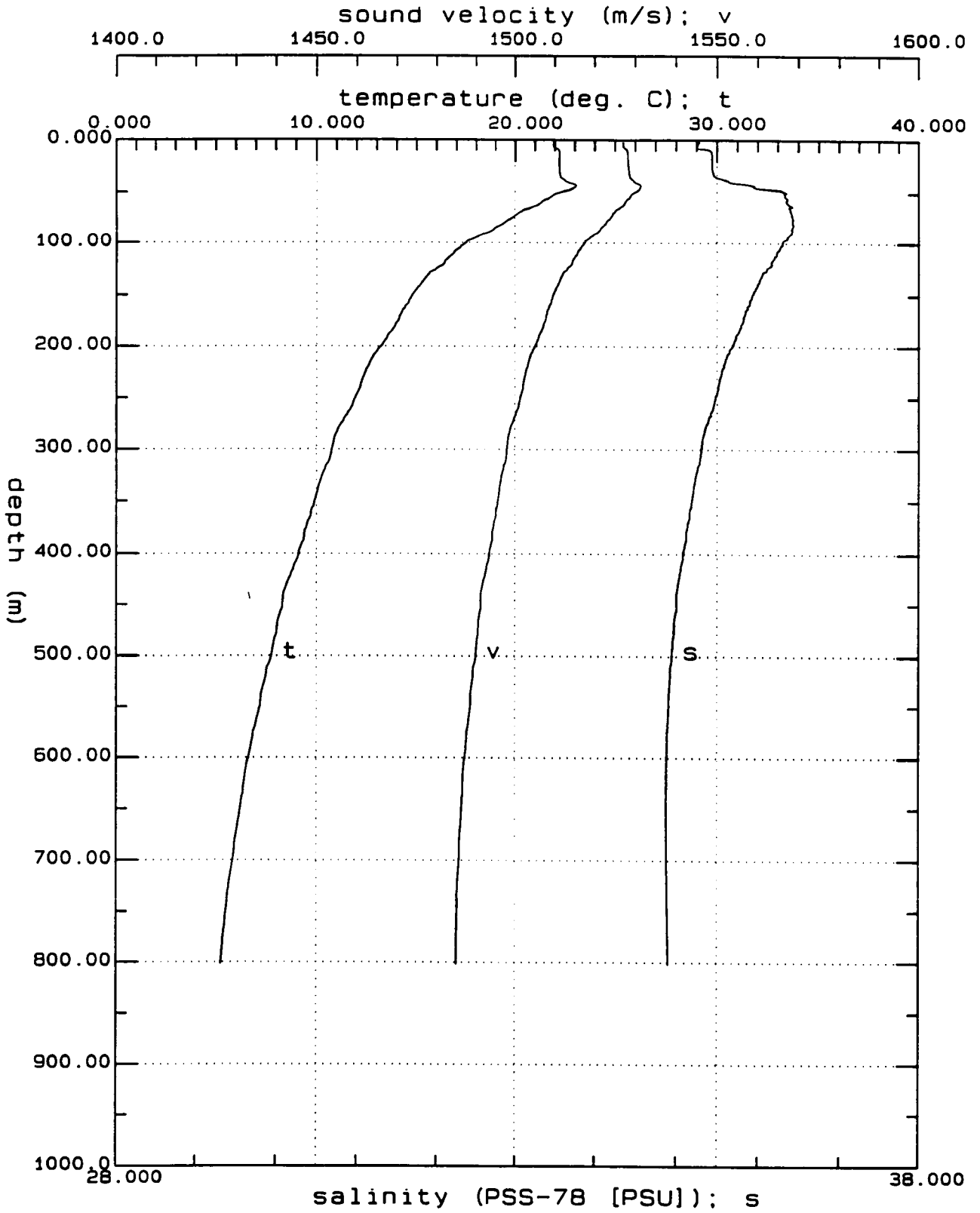
11-106.CNV: Gulfcet Cruise 07



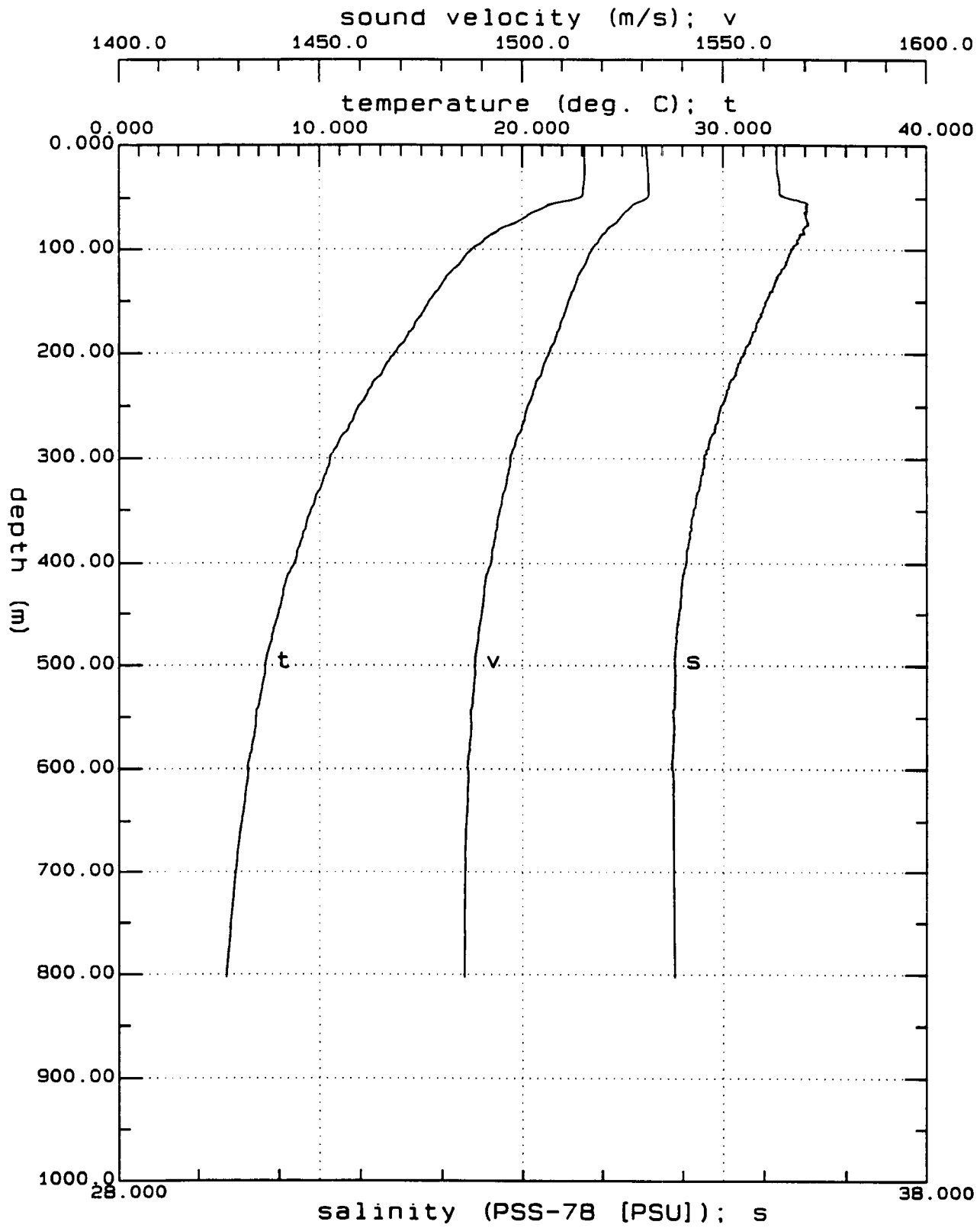
11-112.CNV: Gulfcet Cruise 07



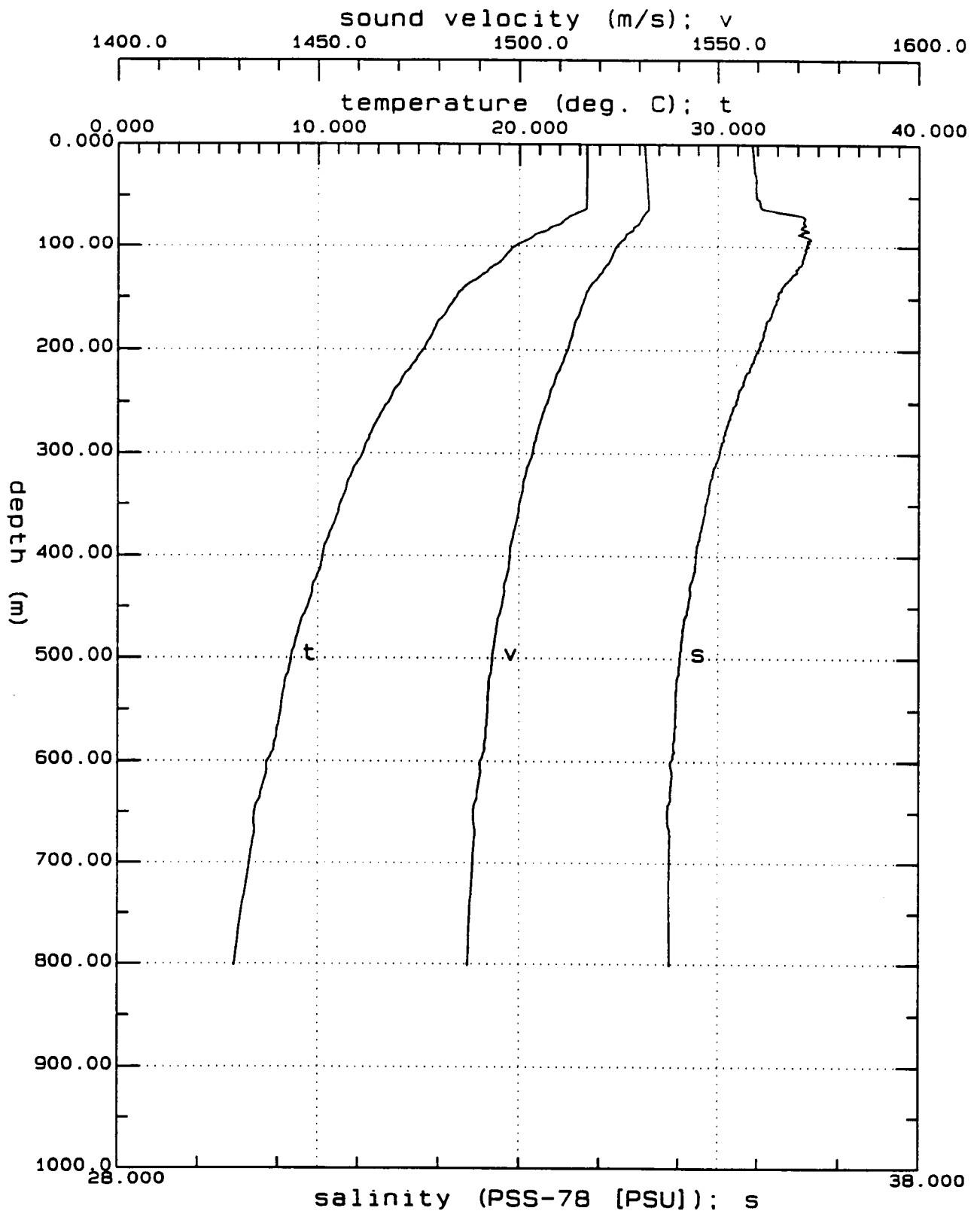
11-115.CNV: Gulfcet Cruise 07



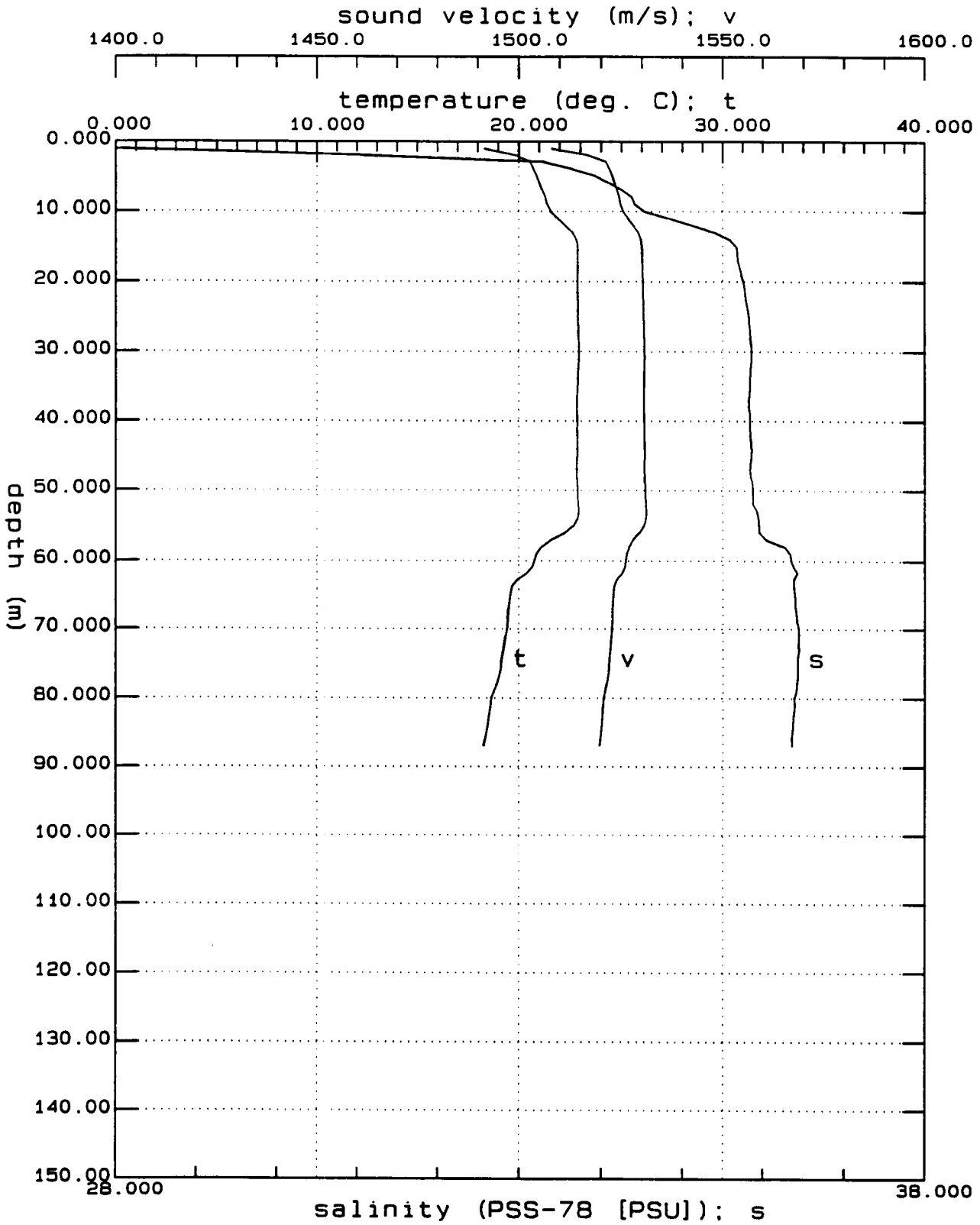
12-116.CNV: Gulfcet Cruise 07



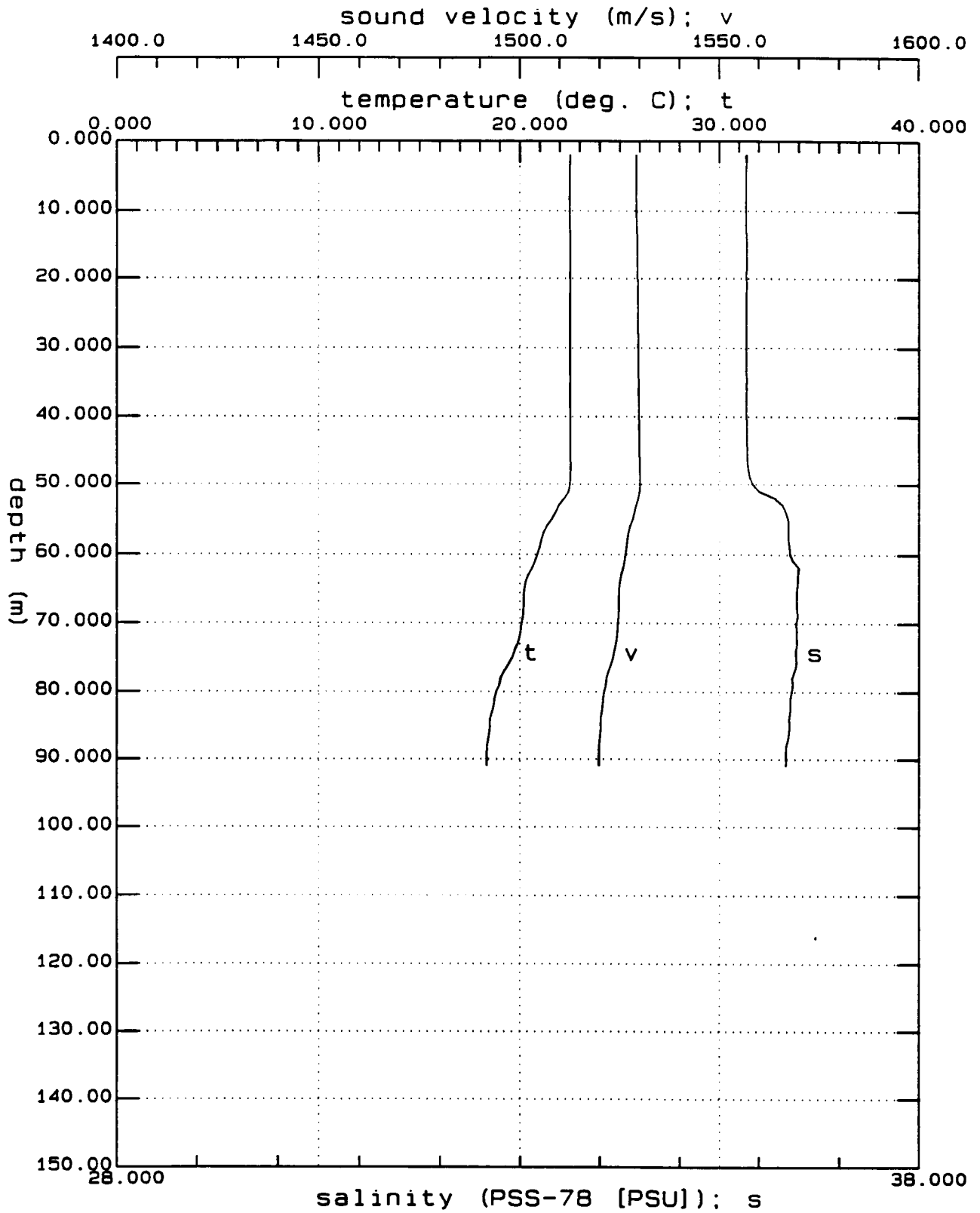
12-117.CNV: Gulfcet Cruise 07



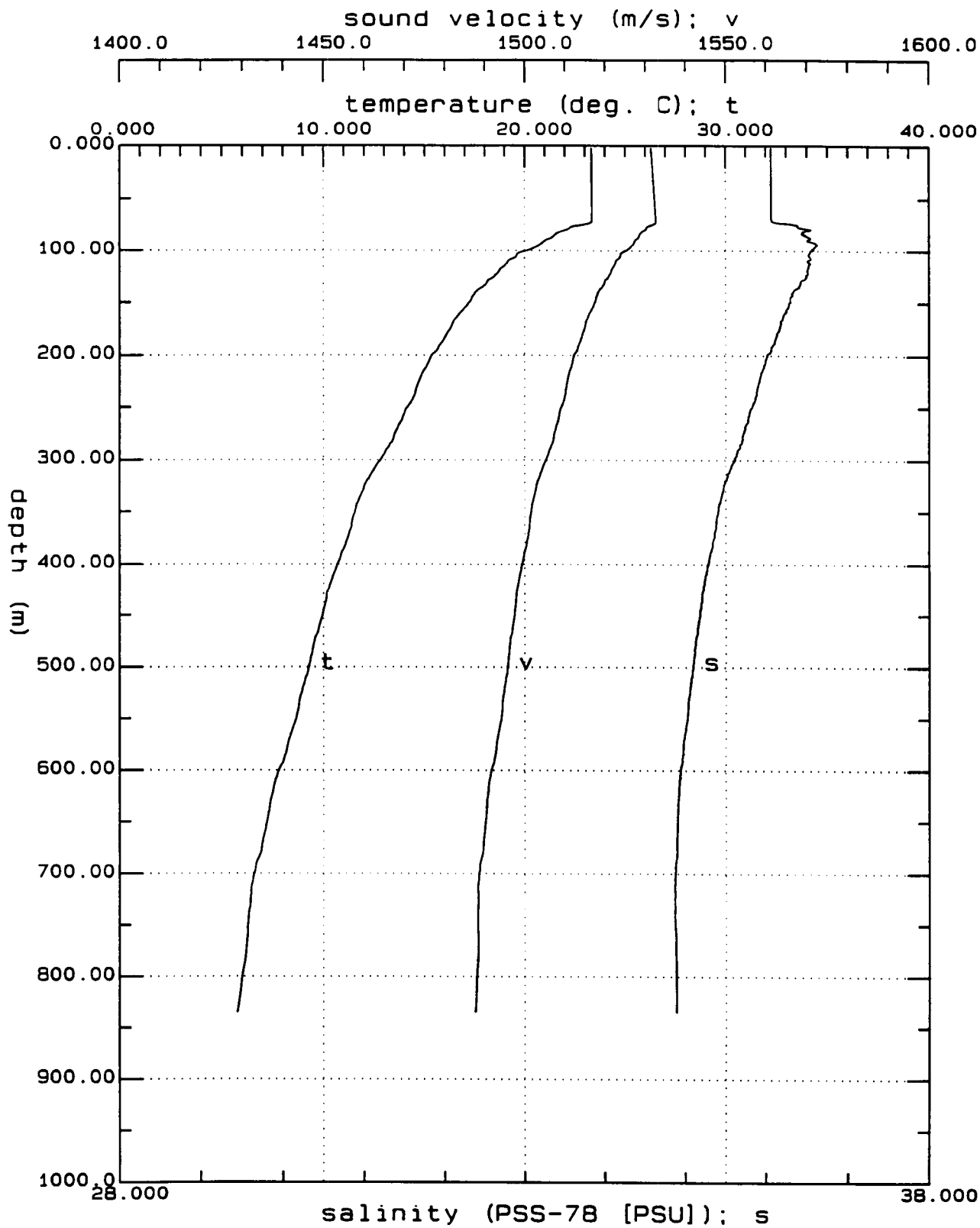
12-119.CNV: Gulfcet Cruise 07



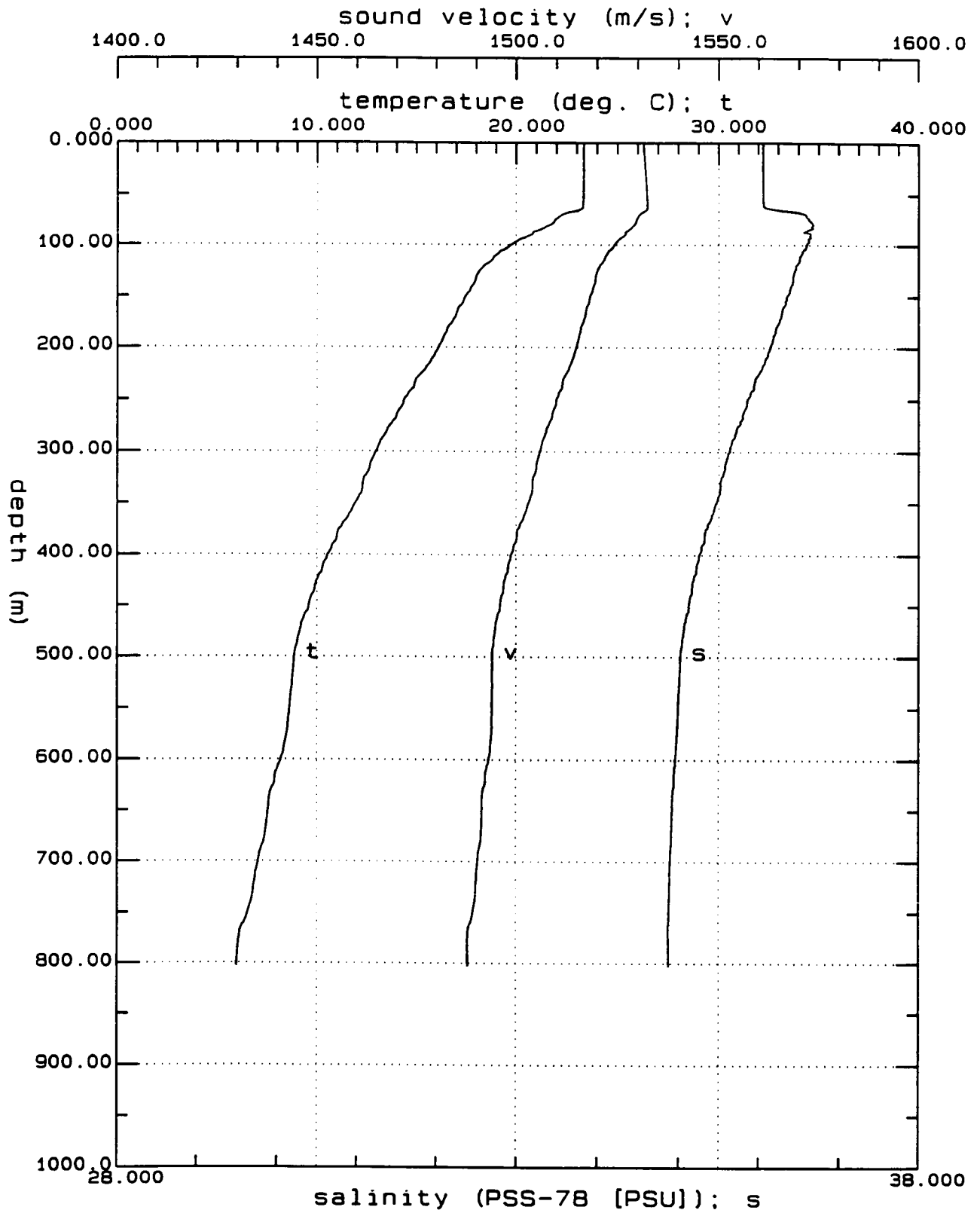
12-125.CNV: Gulfcet Cruise 07



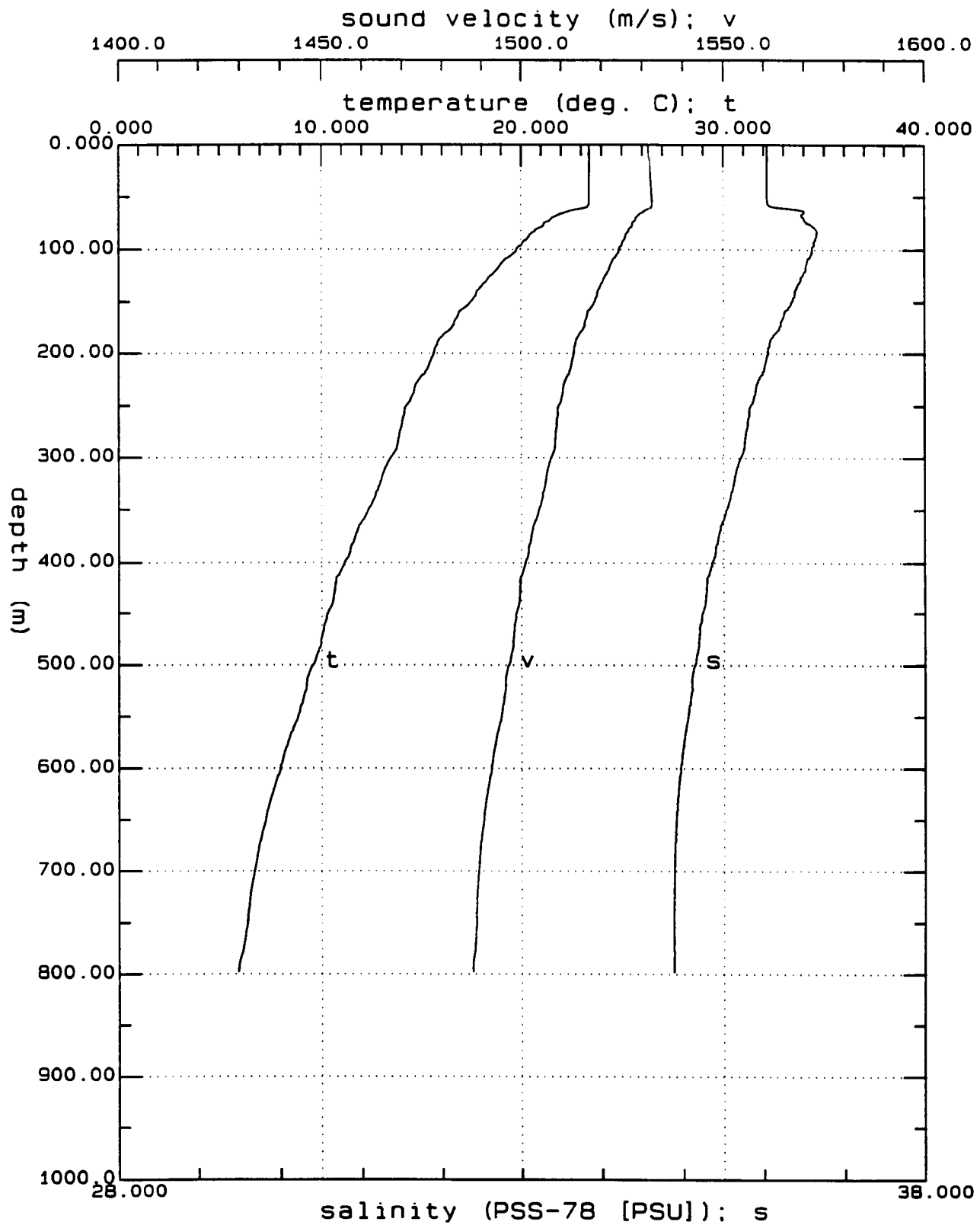
13-126.CNV: Gulfcet Cruise 07



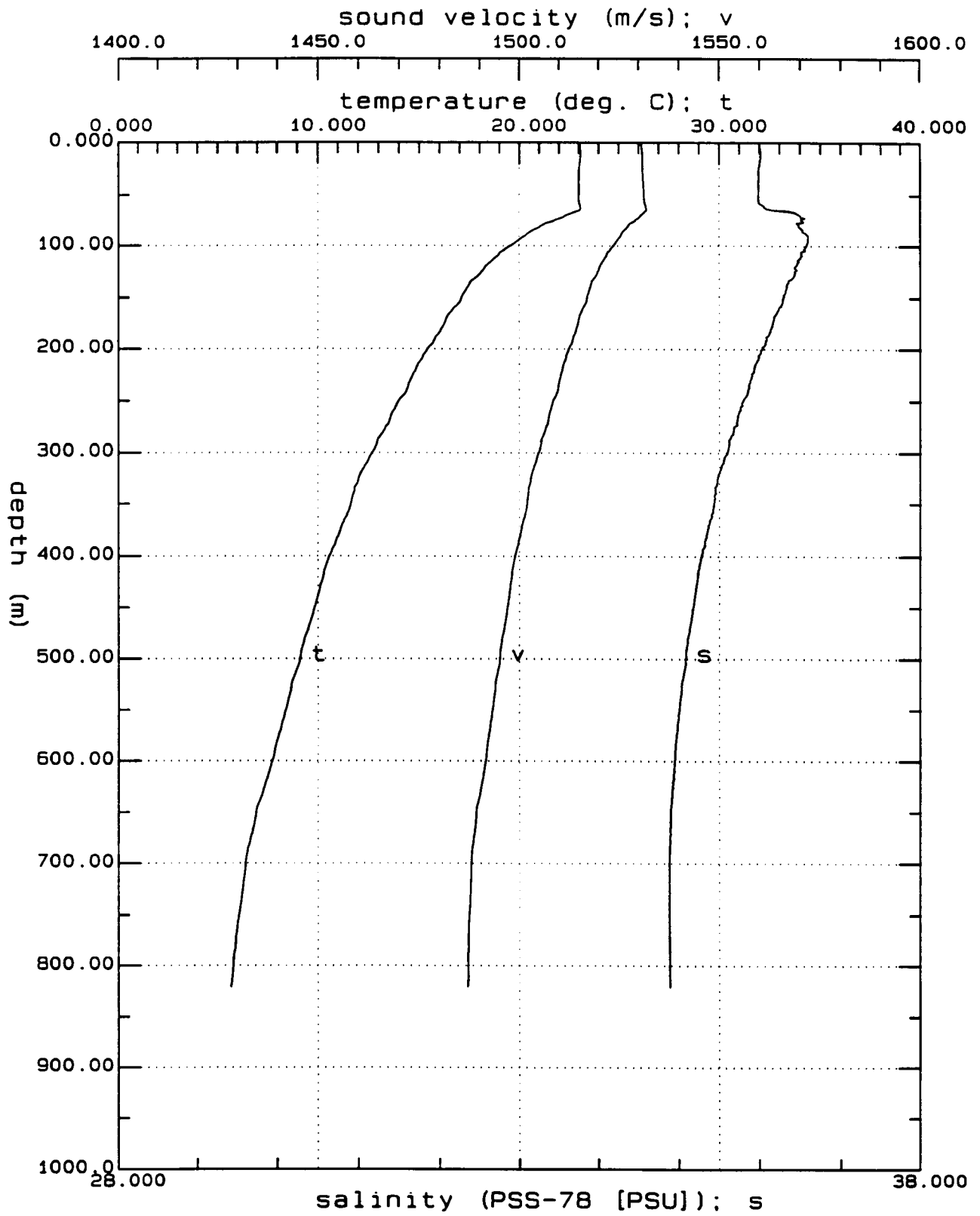
13-133.CNV: Gulfcet Cruise 07



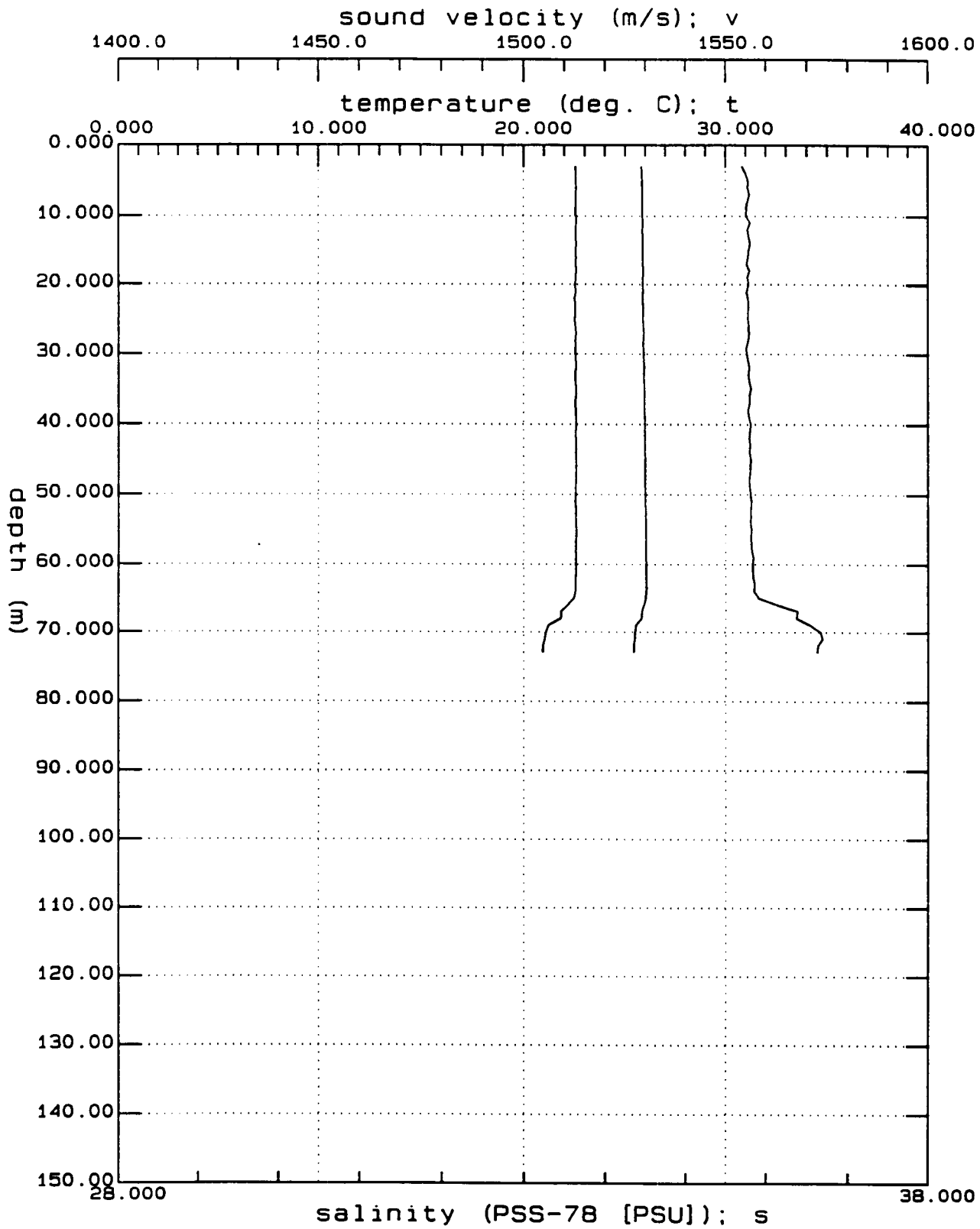
13-134.CNV: Gulfcet Cruise 07



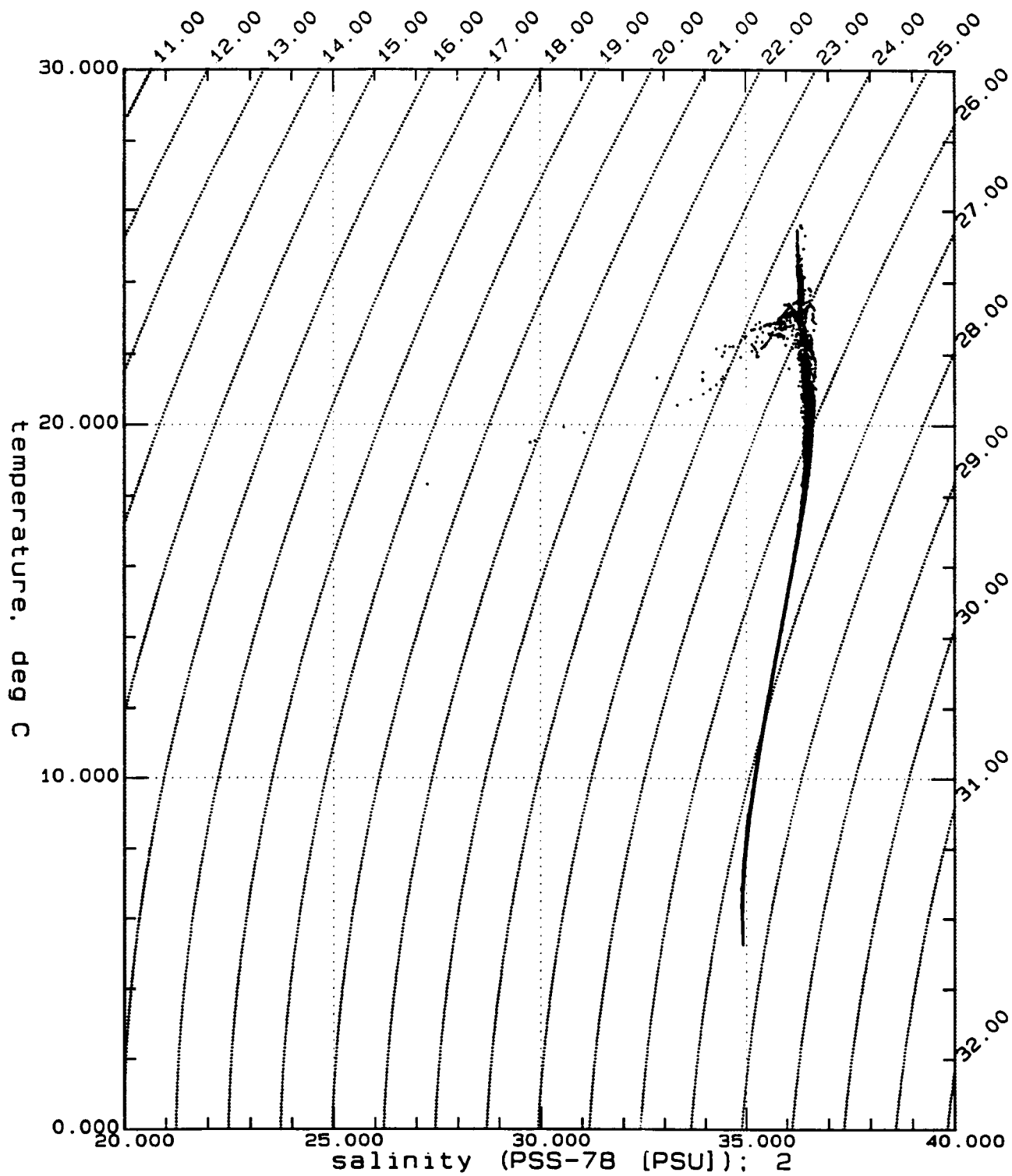
14-135.CNV: Gulfcet Cruise 07



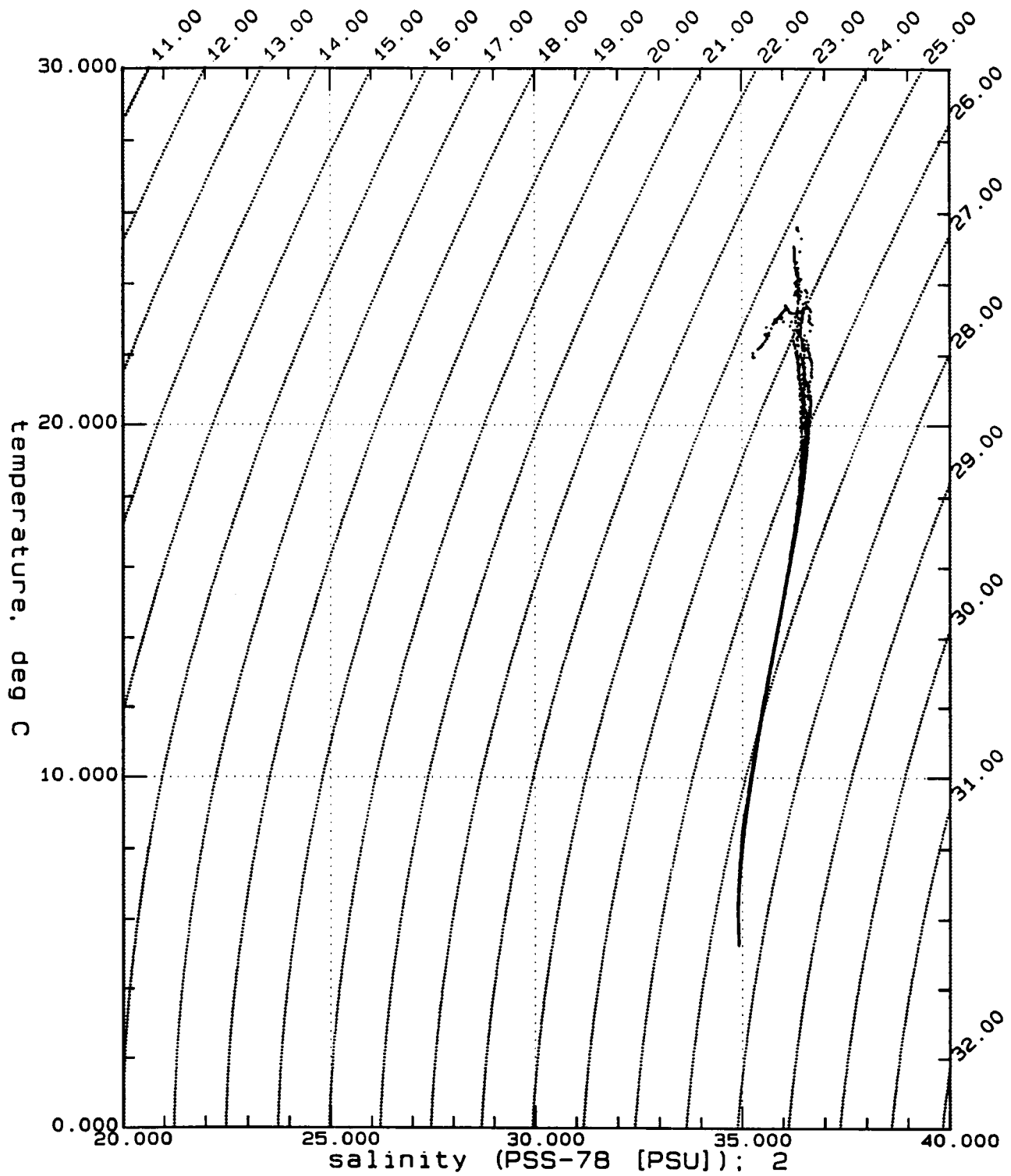
14-136.CNV: Gulfcet Cruise 07



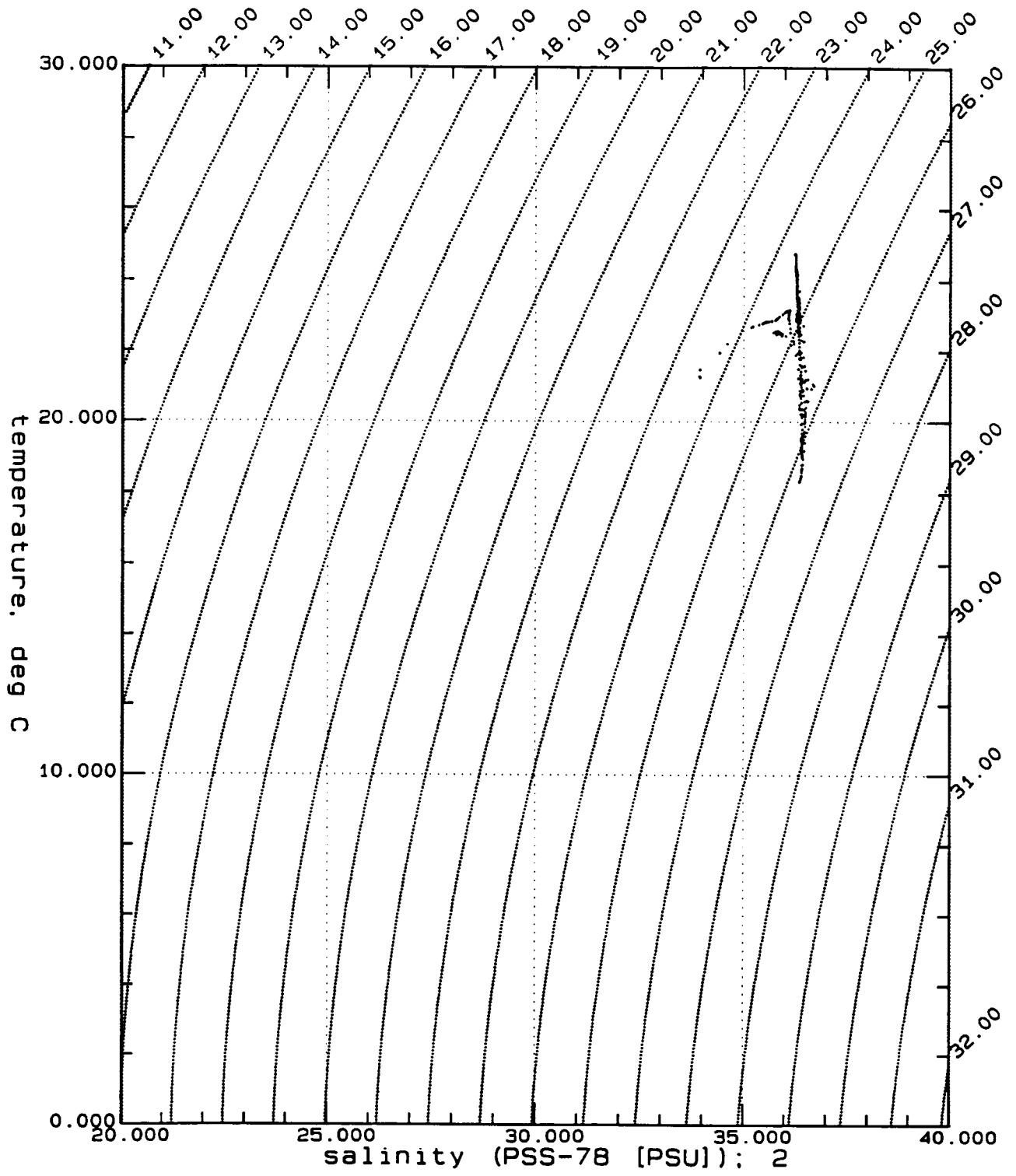
14-143.CNV: Gulfcet Cruise 07



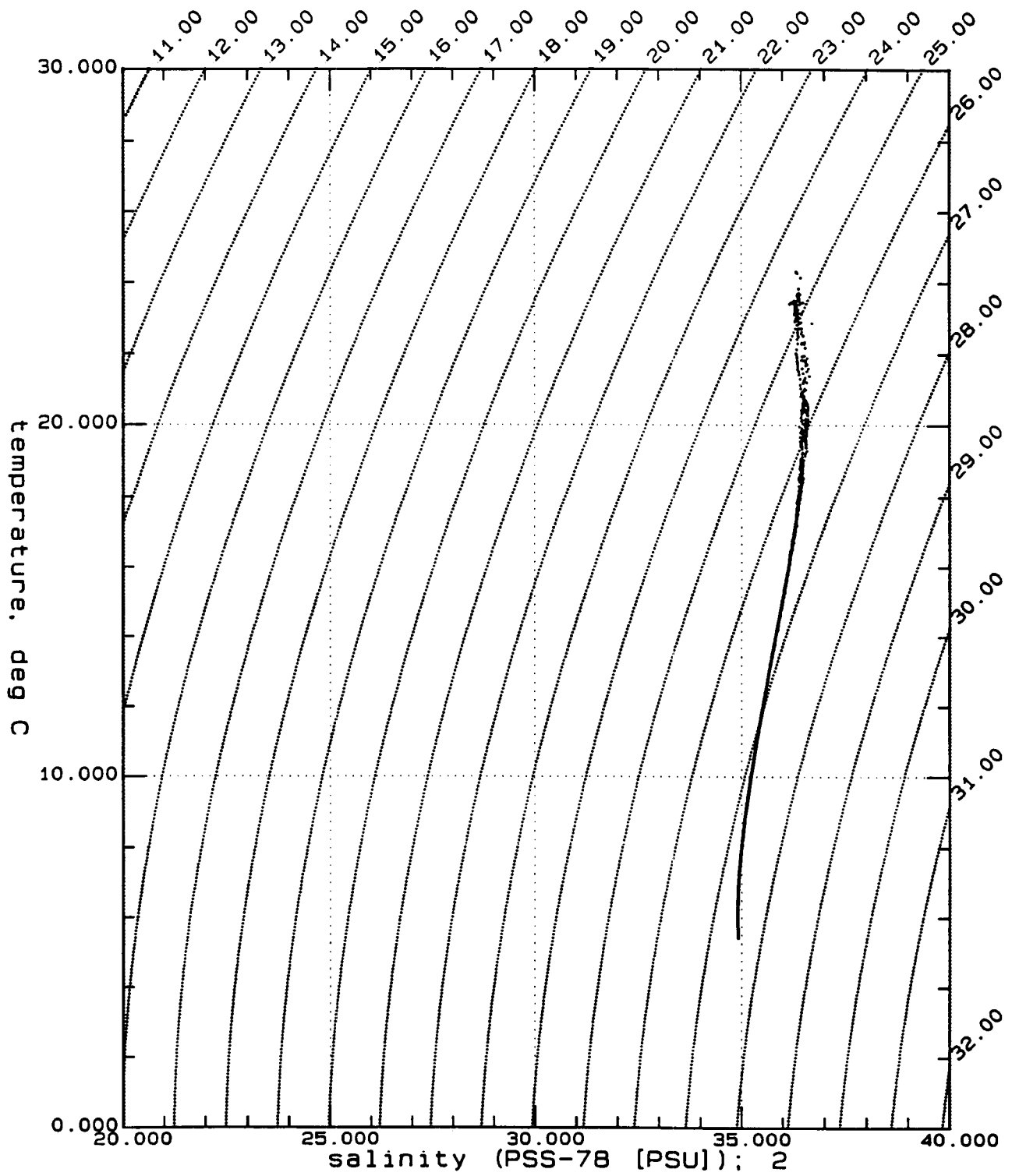
Gulfcet Cruise 07 - All Stations



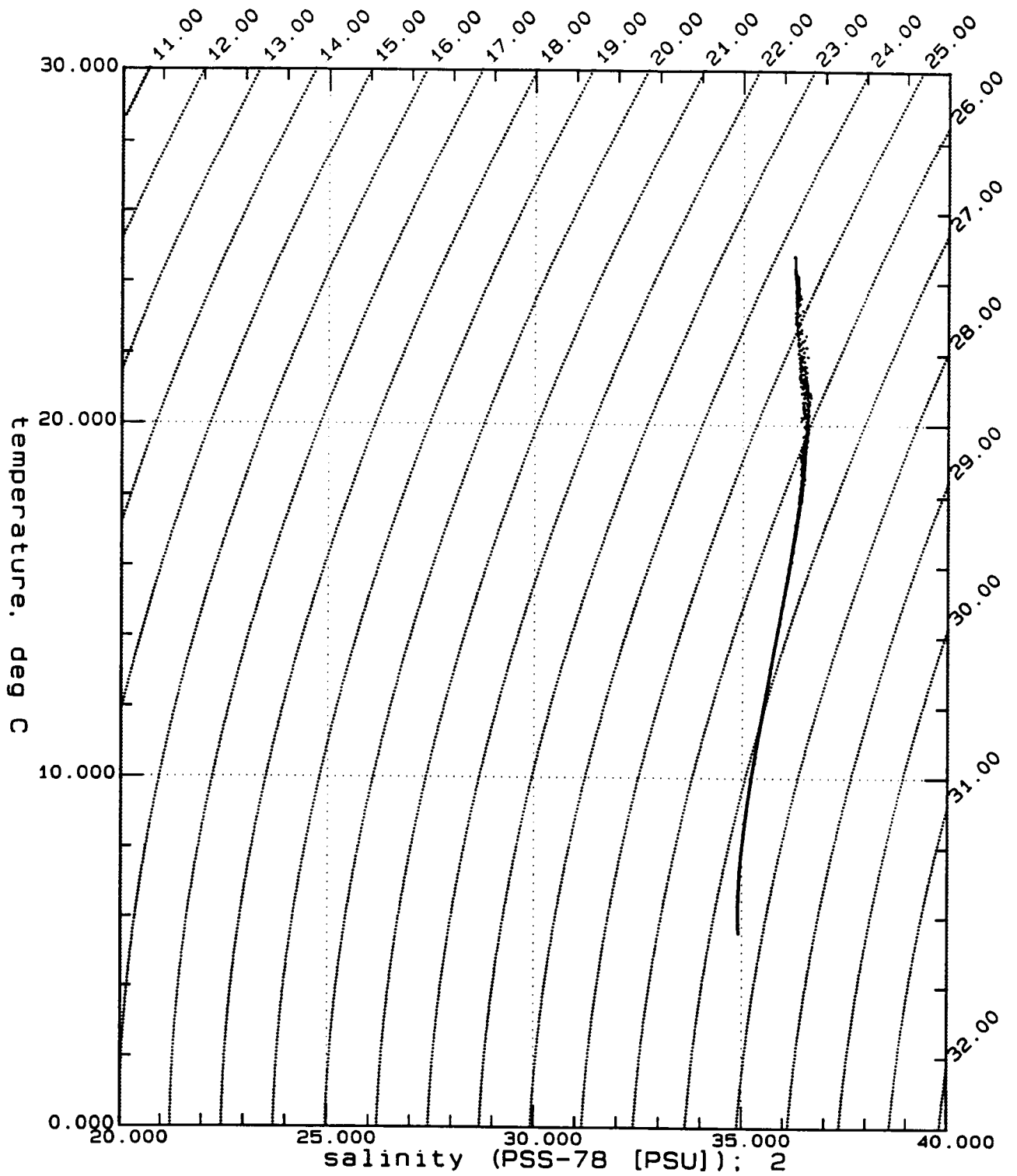
Gulfcet Cruise 07 - Offshore Stations



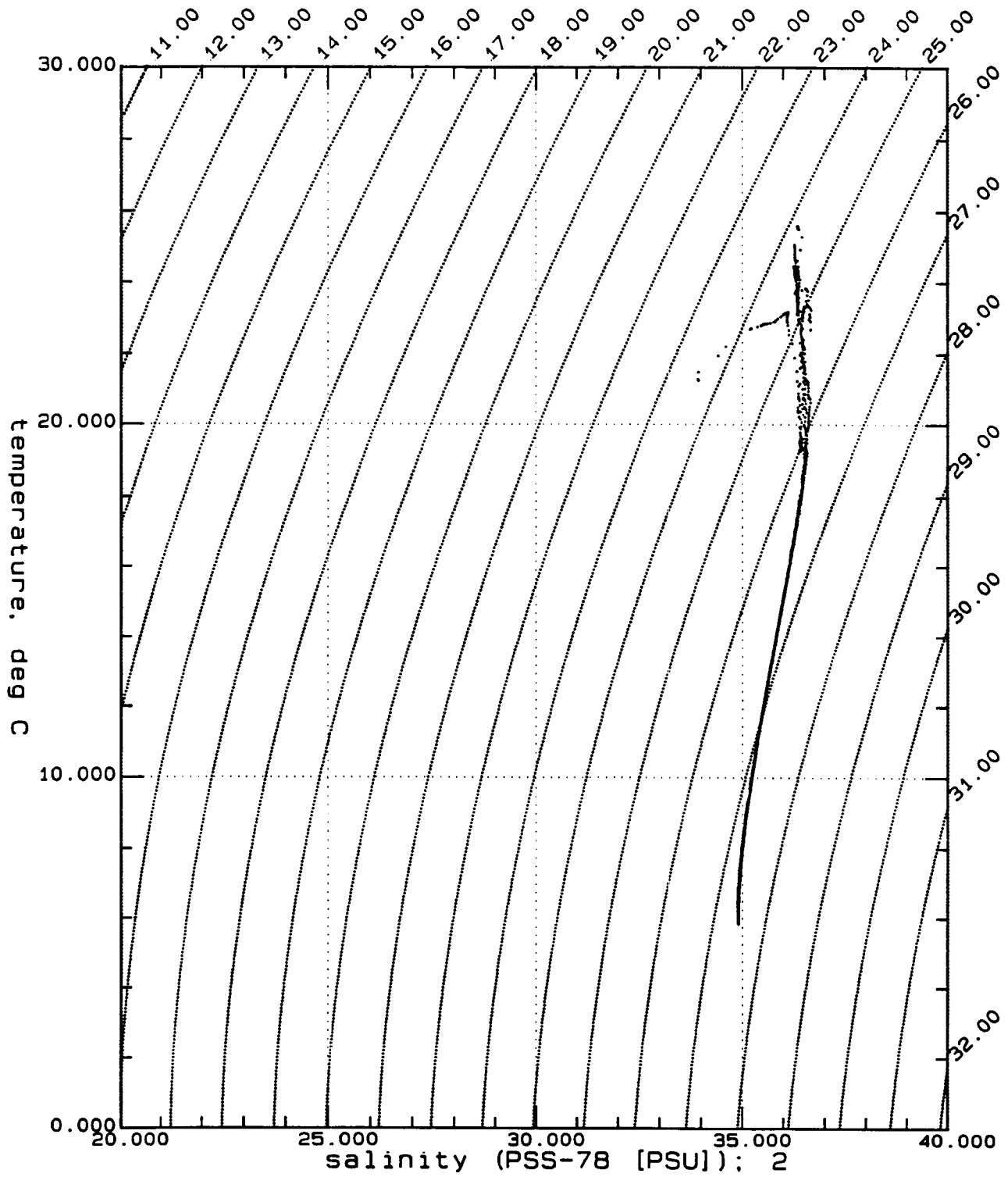
Gulfcet Cruise 07 - Inshore Stations



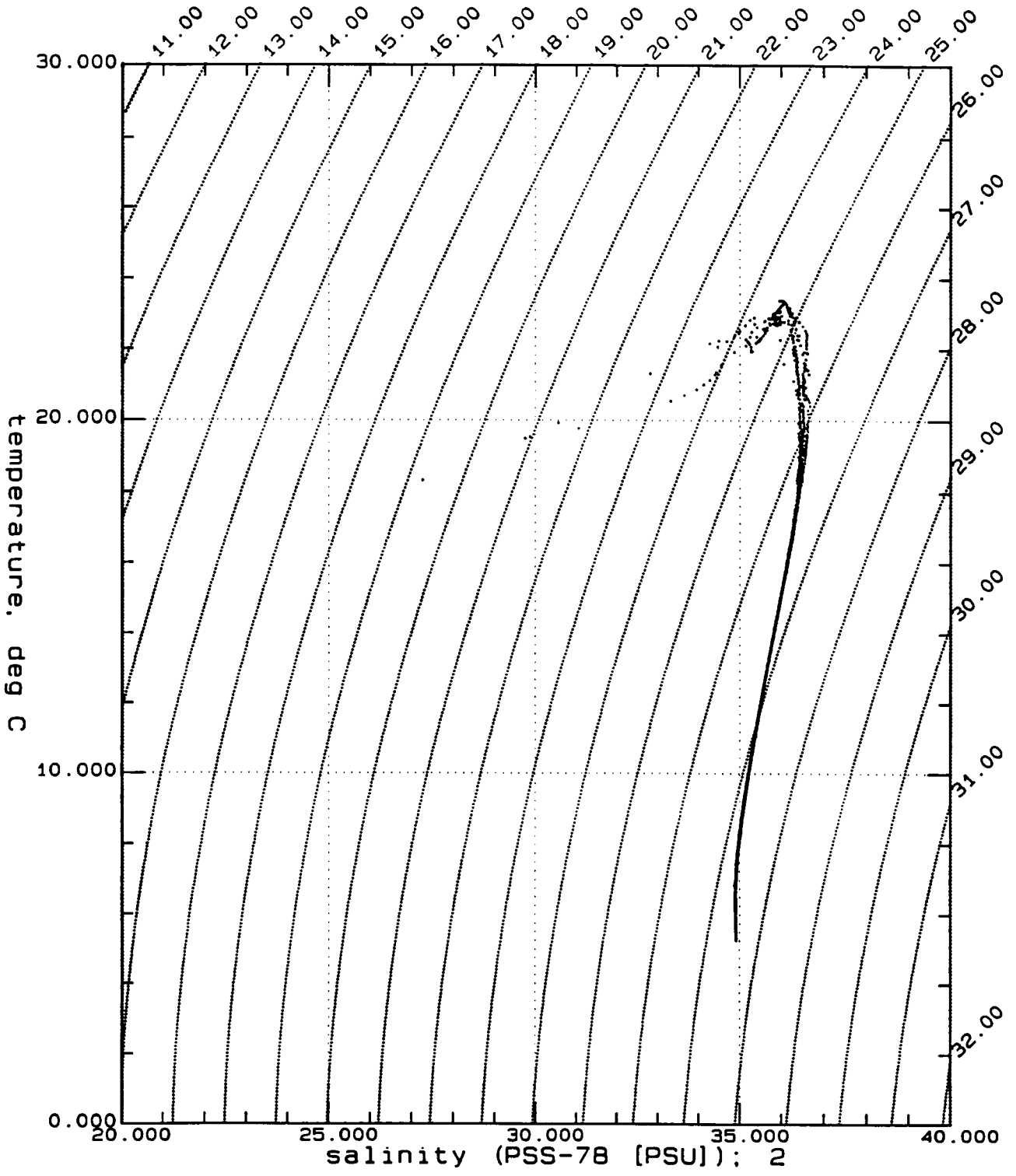
Gulfcet Cruise 07 - Lines 05 and 06



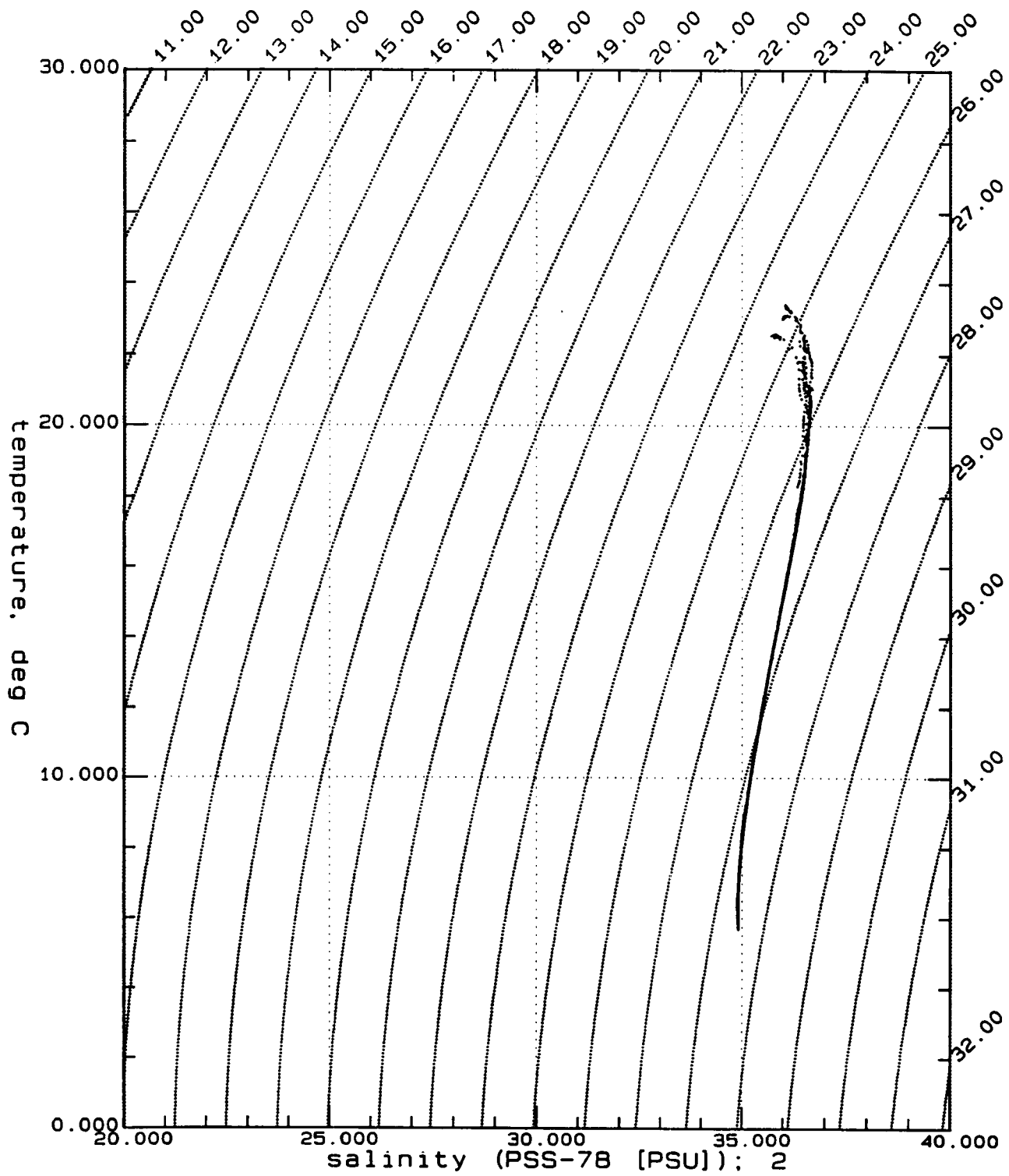
Gulfcet Cruise 07 - Lines 07 and 08



Gulfcet Cruise 07 - Lines 09 and 10



Gulfcet Cruise 07 - Lines 11 and 12



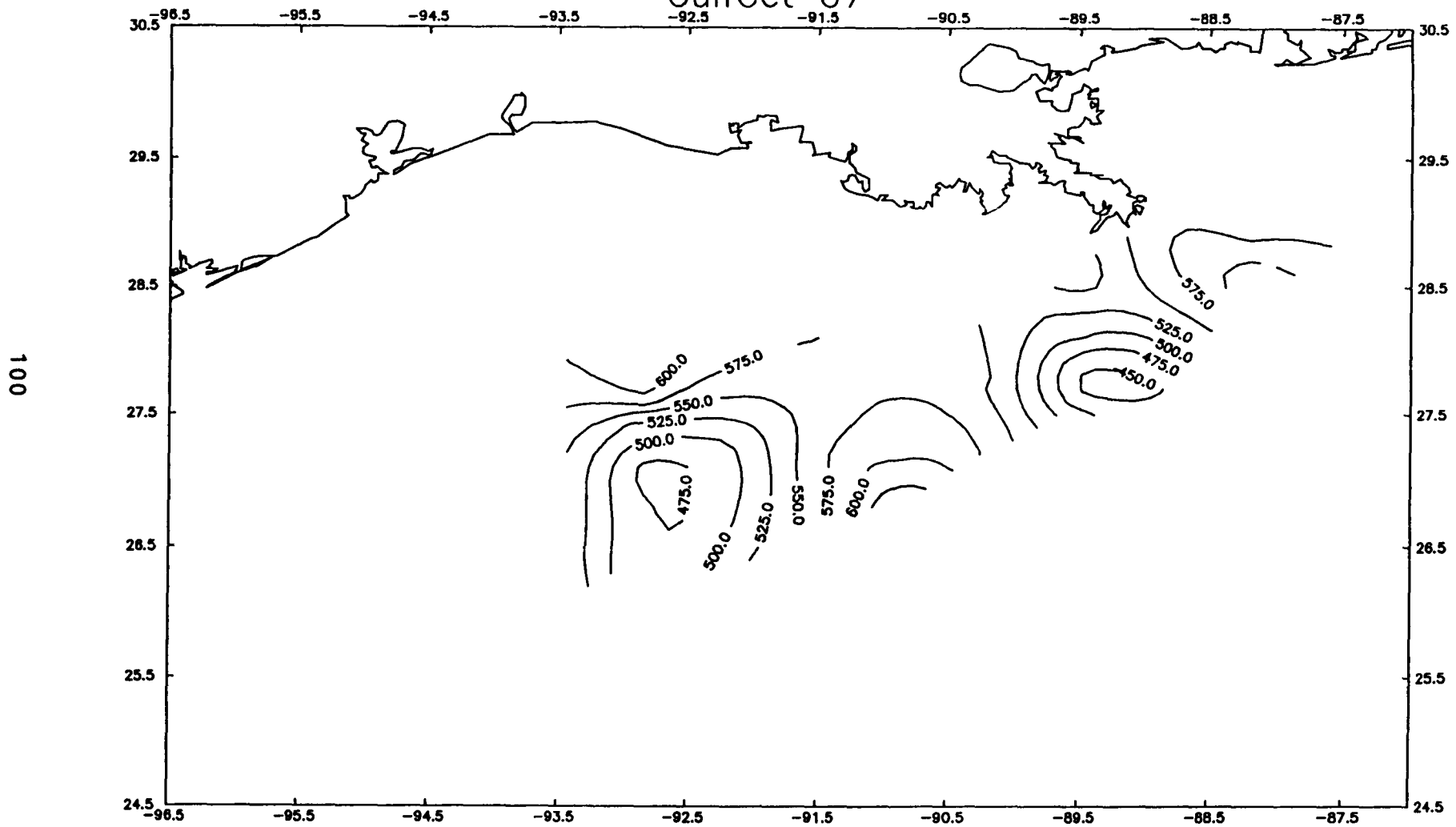
Gulfcet Cruise 07 - Lines 13 and 14

TEMPERATURE DATA:

- 8°, 15°, AND 20°C ISOTHERM MAPS
- TEMPERATURE PROFILES BY TRACK LINE

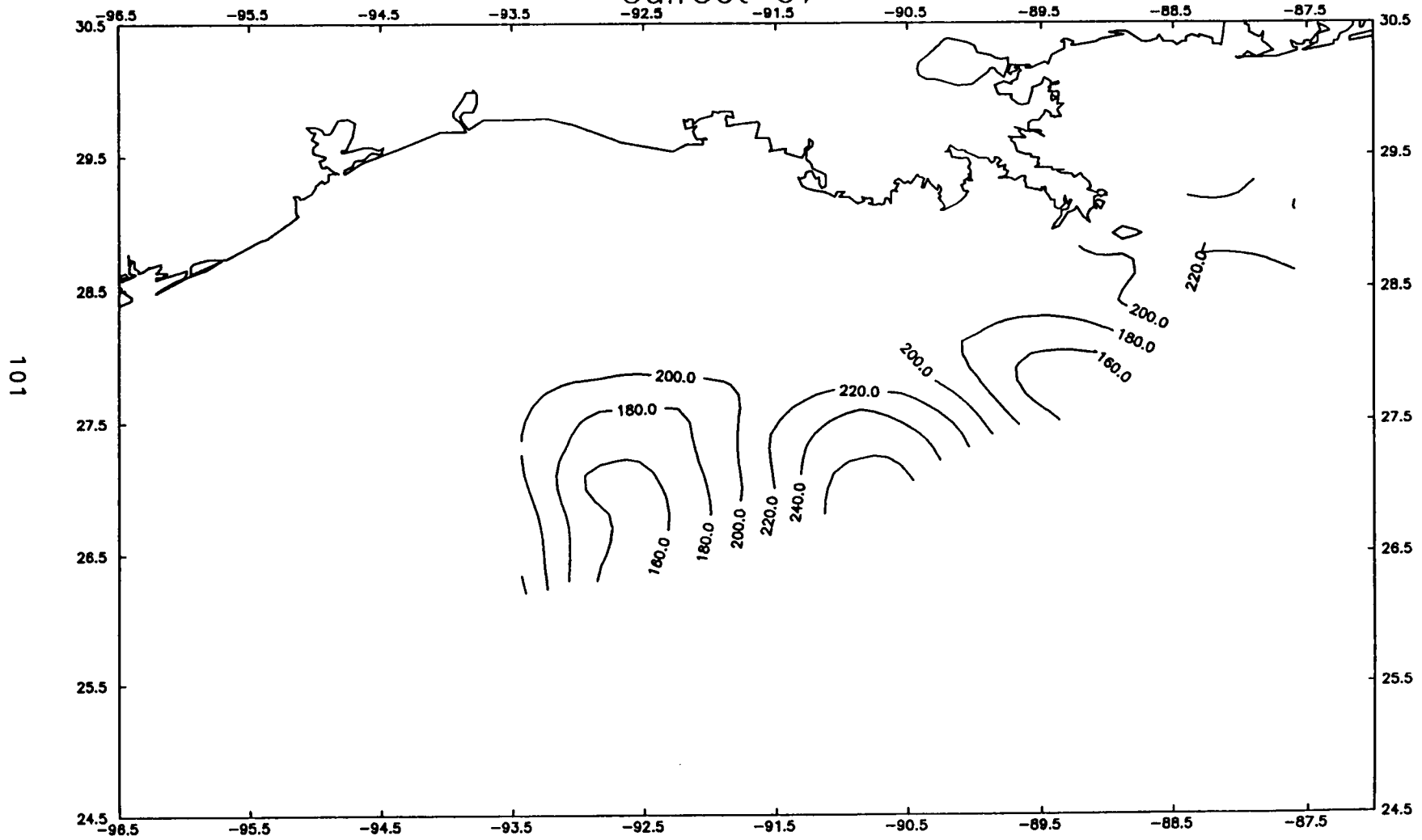
Depth of 8 °C Isotherm (m)

GulfCet_07



Depth of 15 °C Isotherm (m)

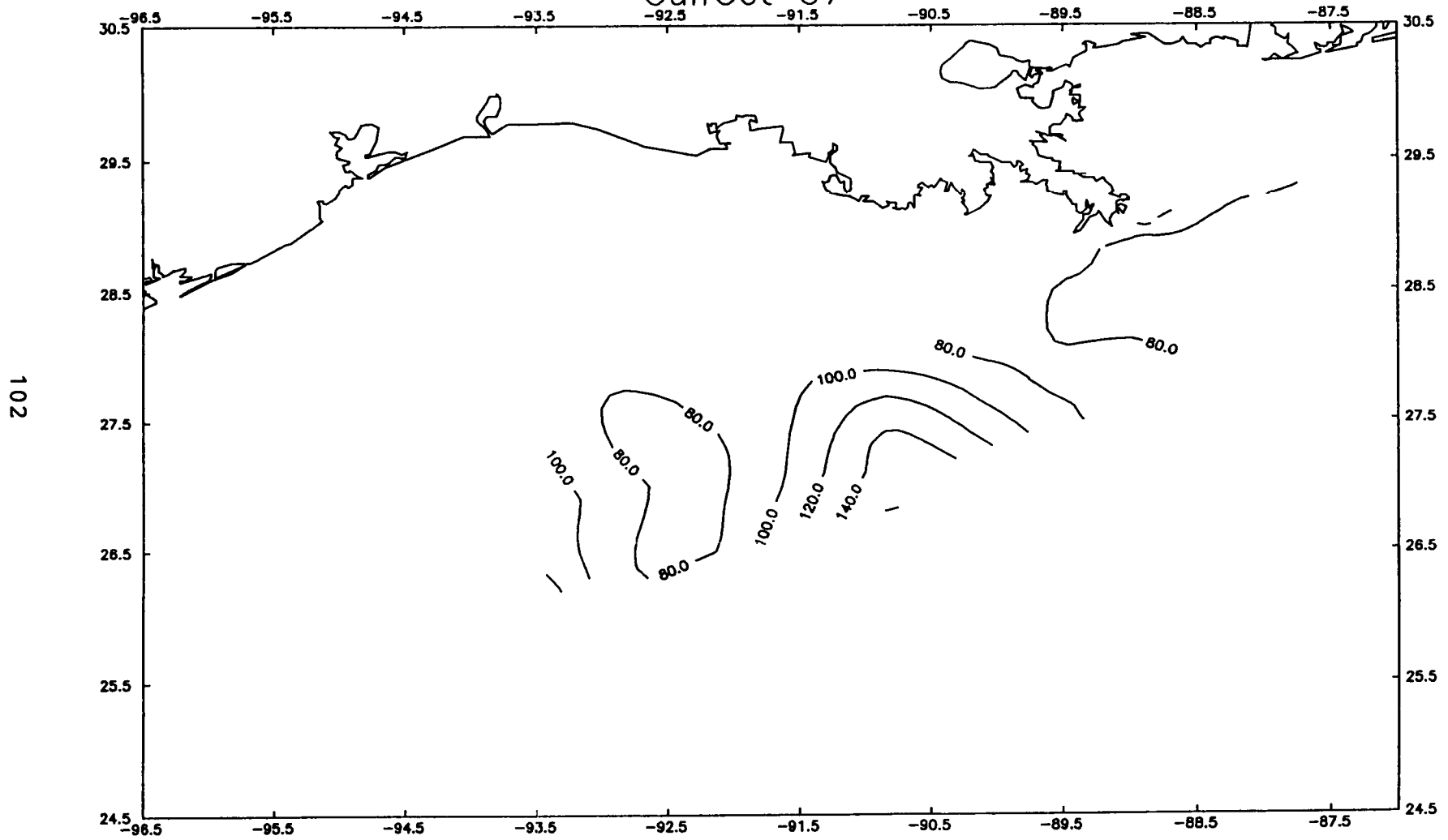
GulfCet_07



101

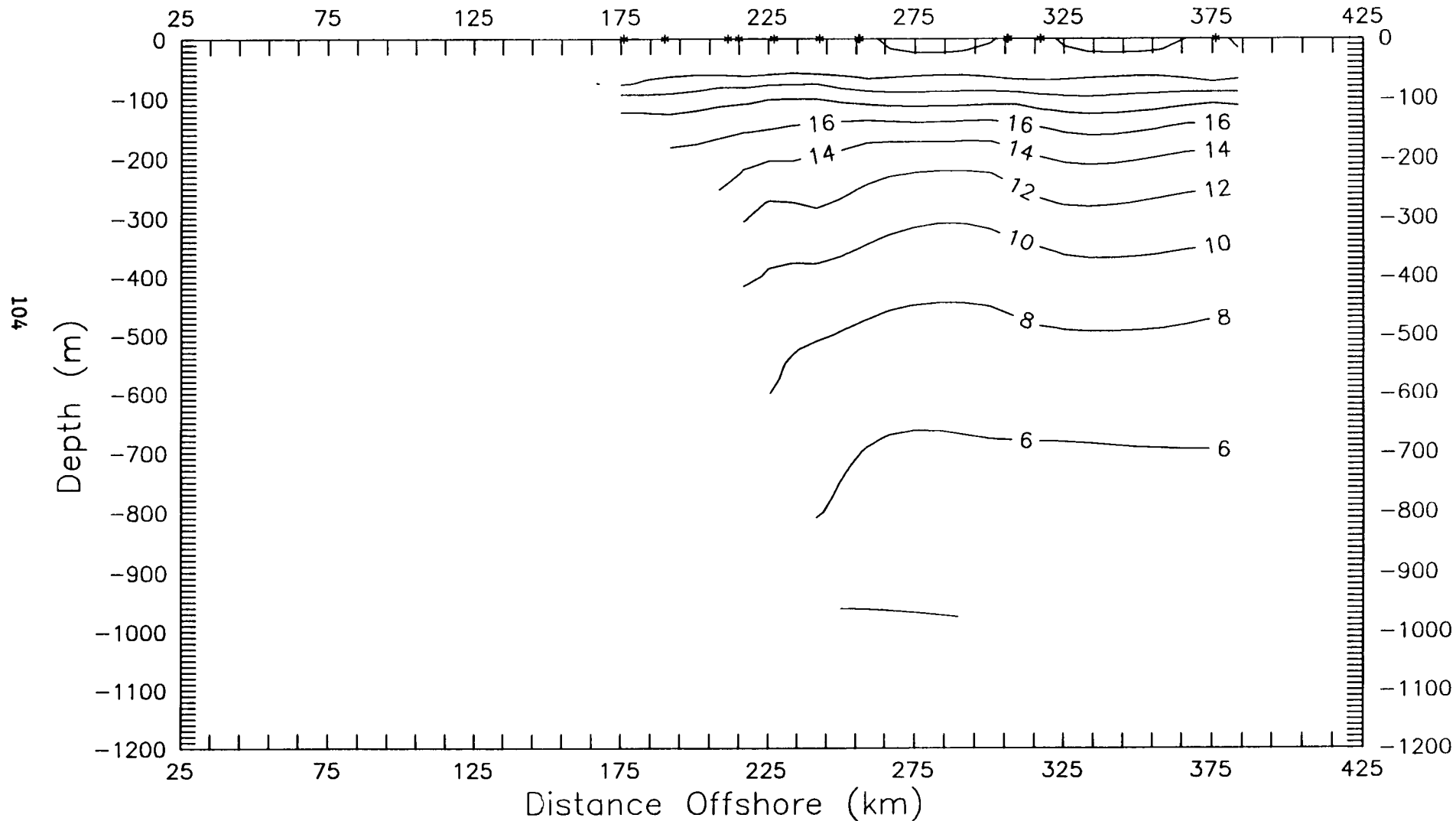
Depth of 20 °C Isotherm (m)

GulfCet 07



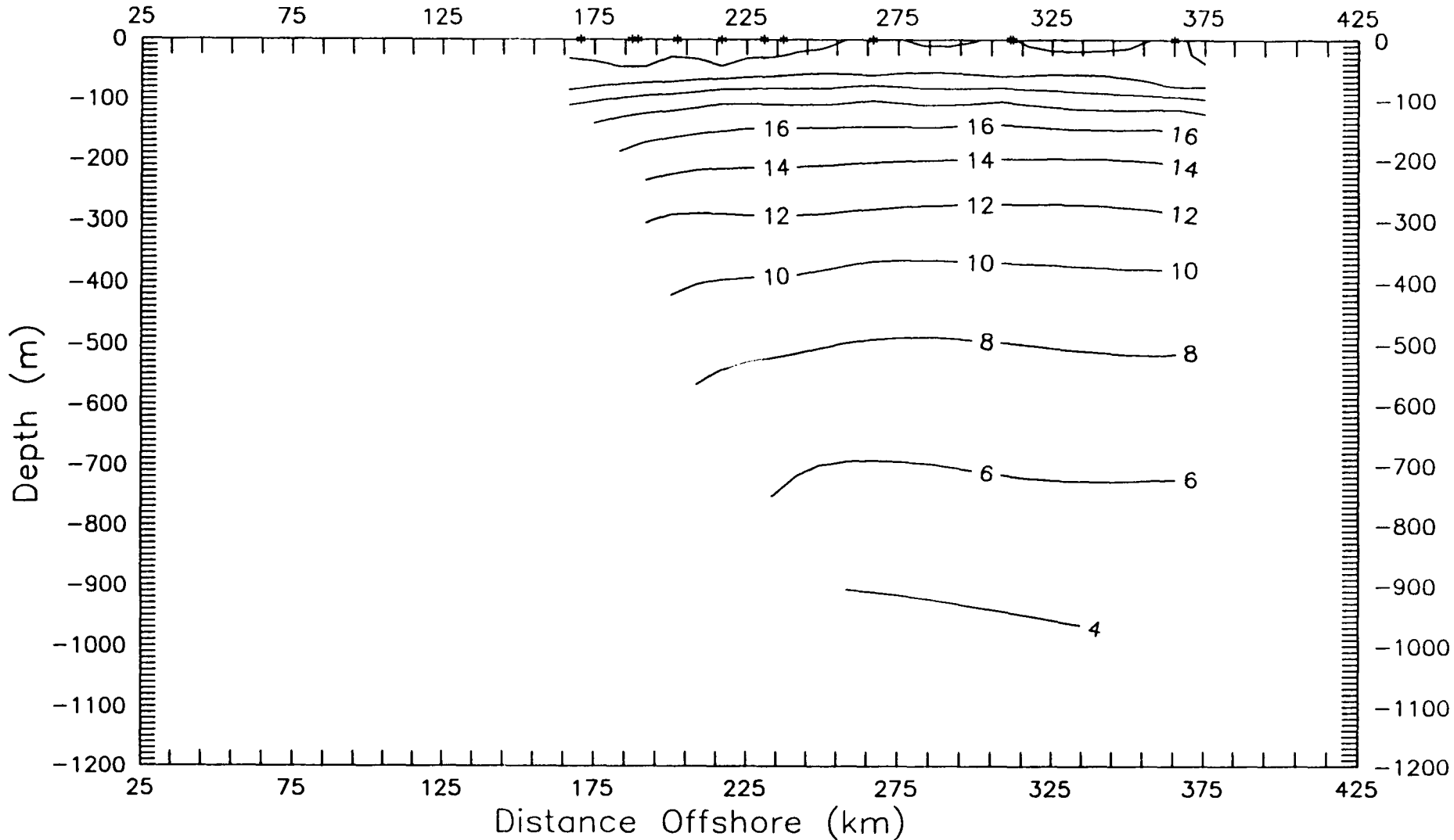
Temperature (°C)

GULFCET 07: Line 06



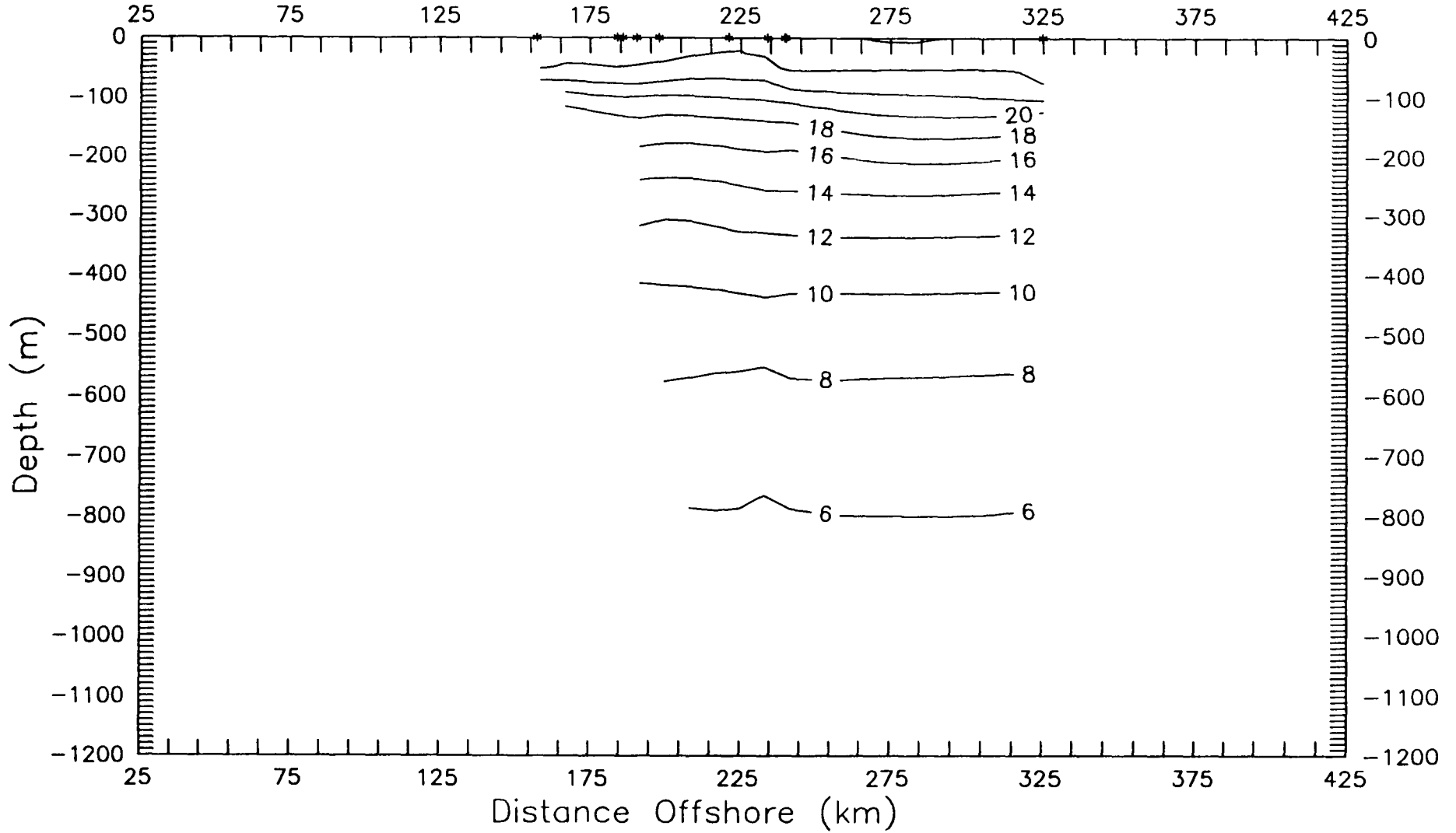
Temperature (°C)

GULFCET 07: Line 07



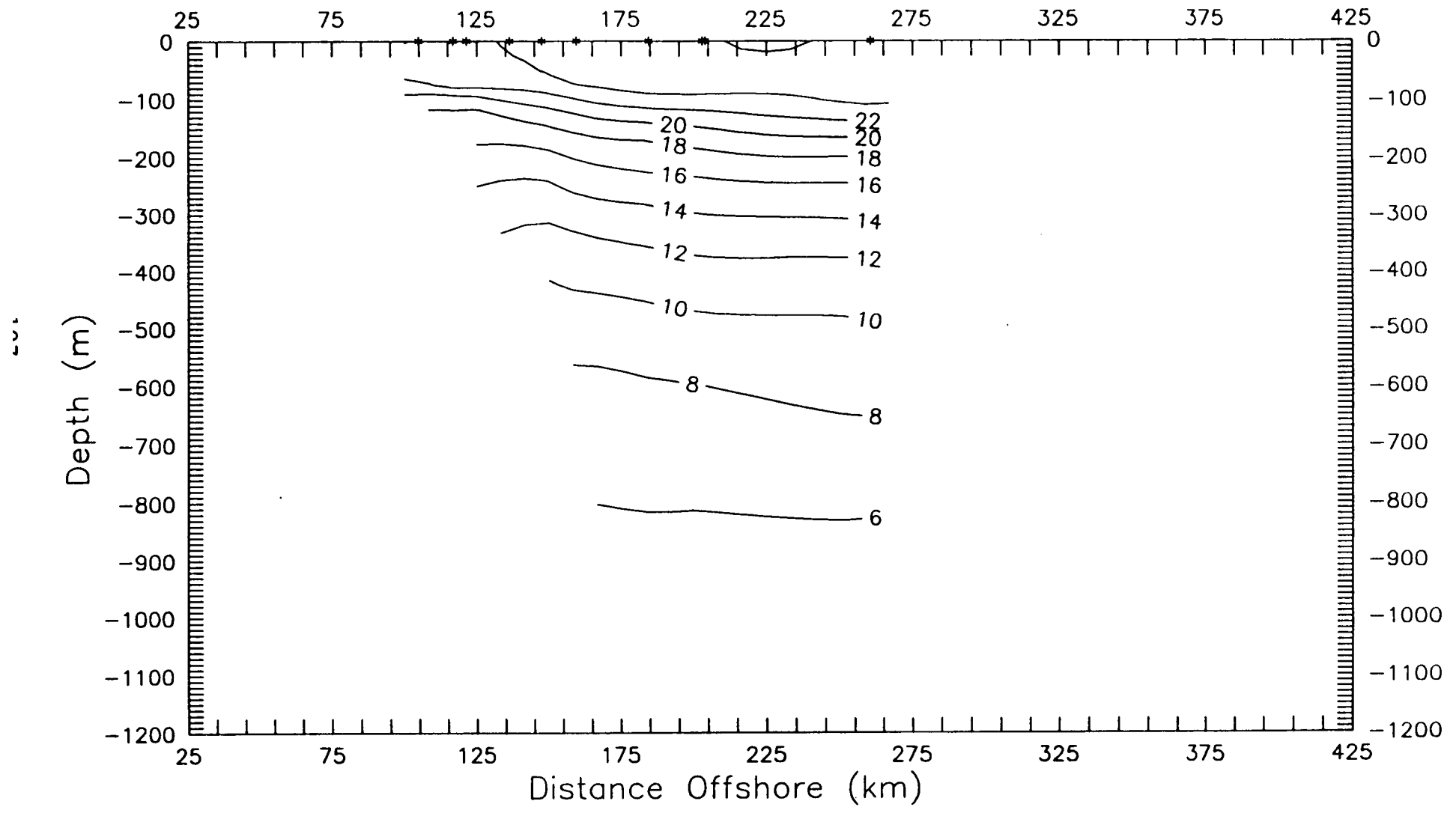
Temperature (°C)

GULFCET 07: Line 08



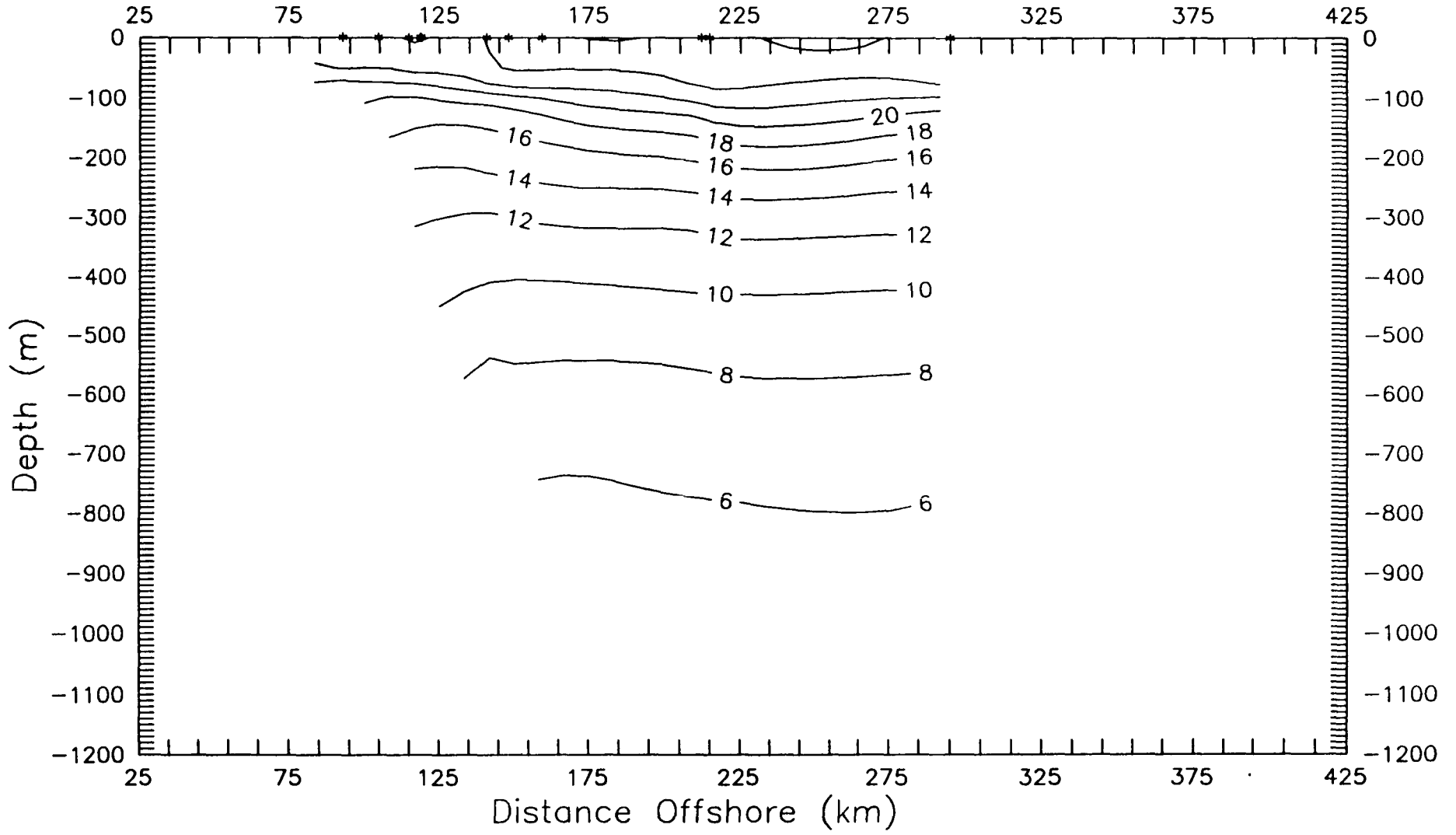
Temperature (°C)

GULFCET 07: Line 09



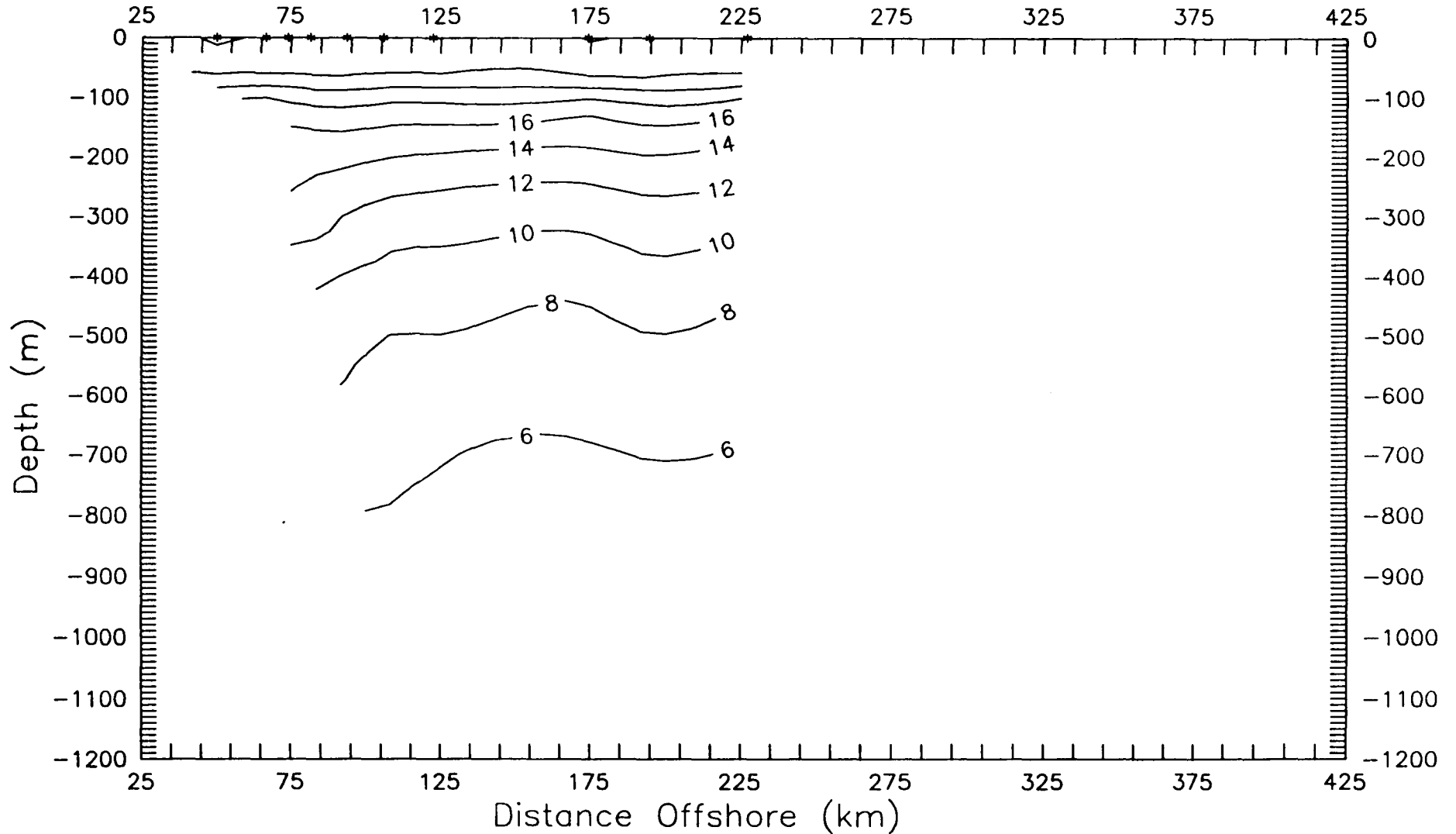
Temperature (°C)

GULFCET 07: Line 10



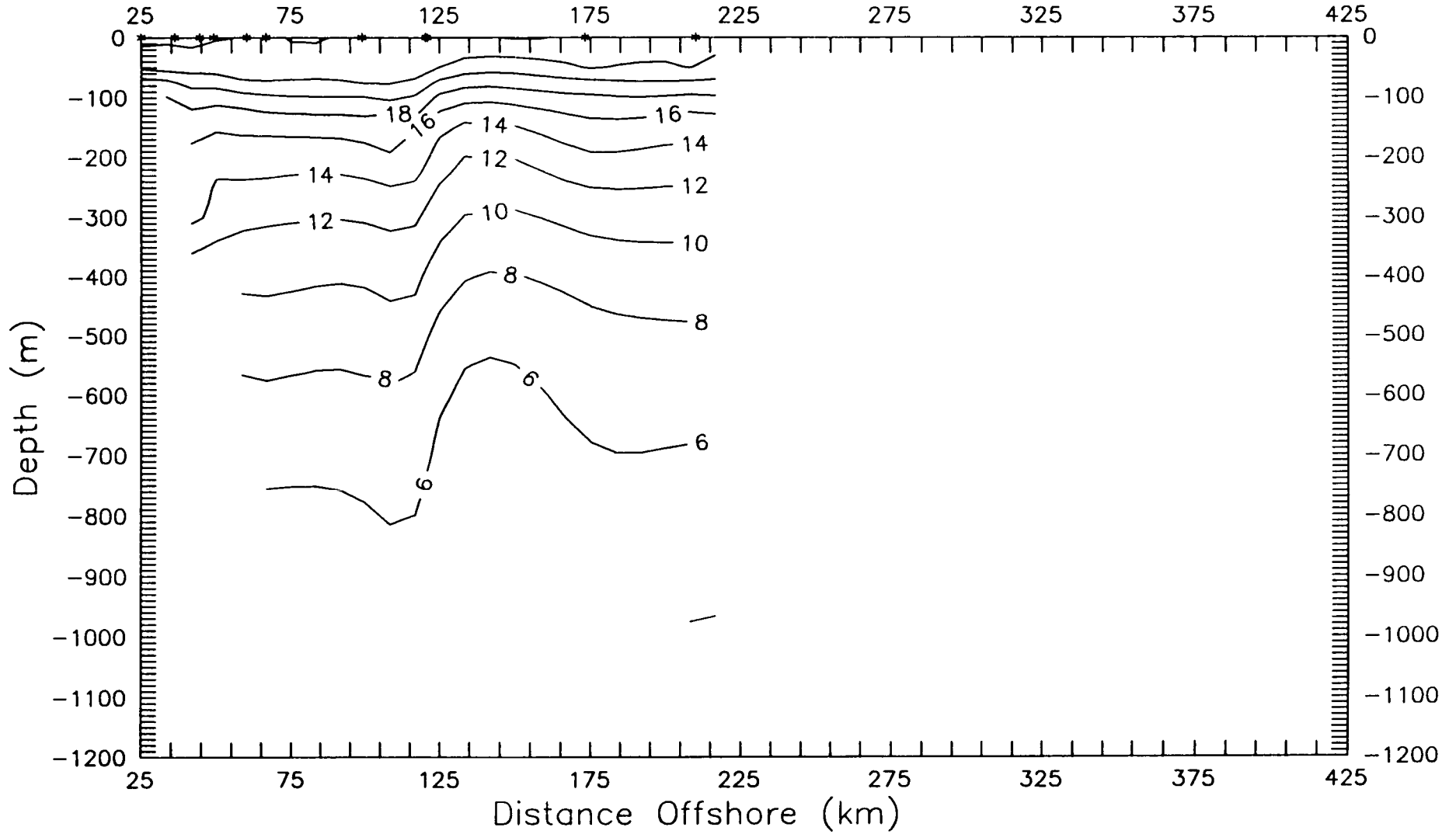
Temperature (°C)

GULFCET 07: Line 11



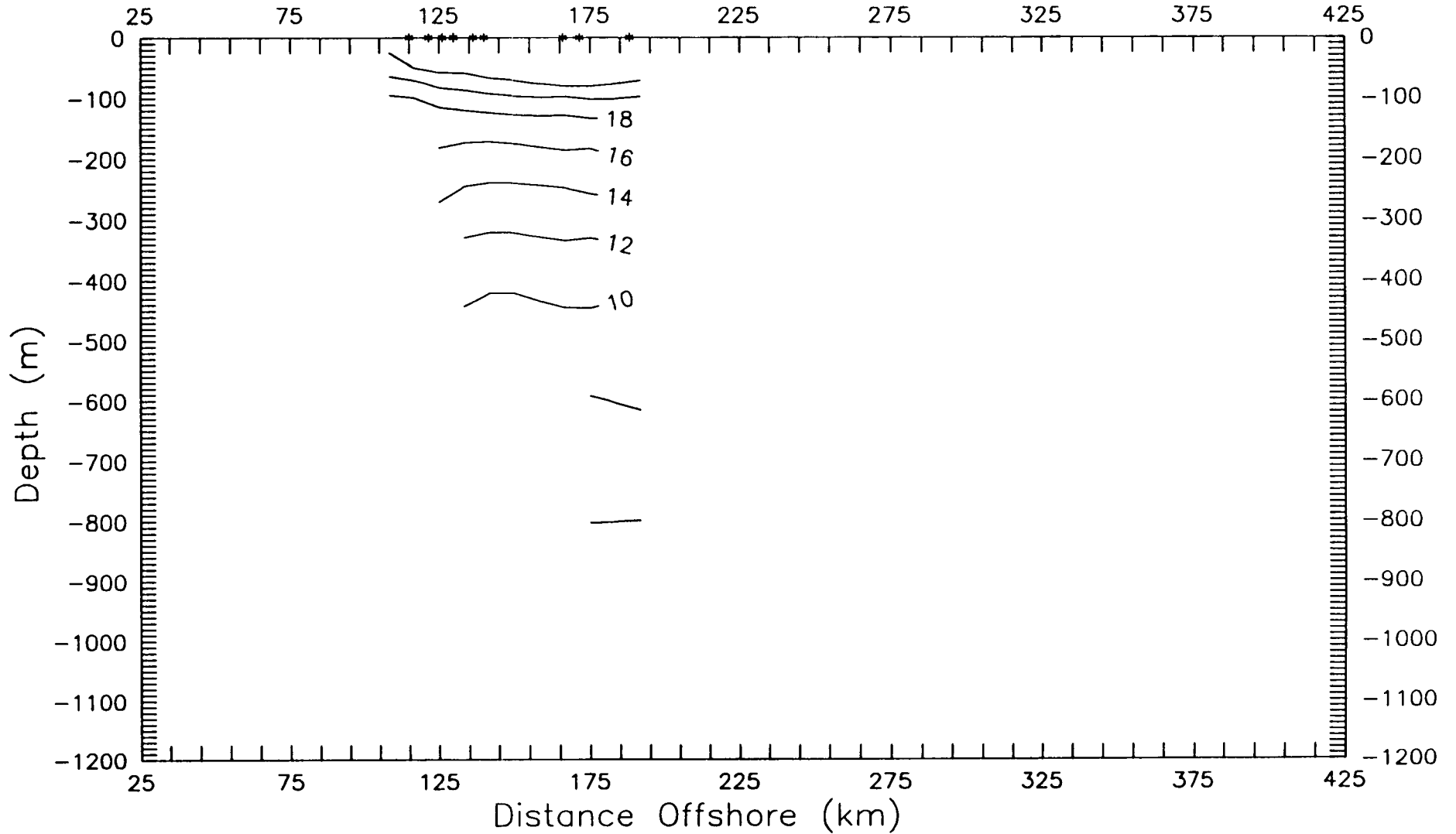
Temperature (°C)

GULFCET 07: Line 12



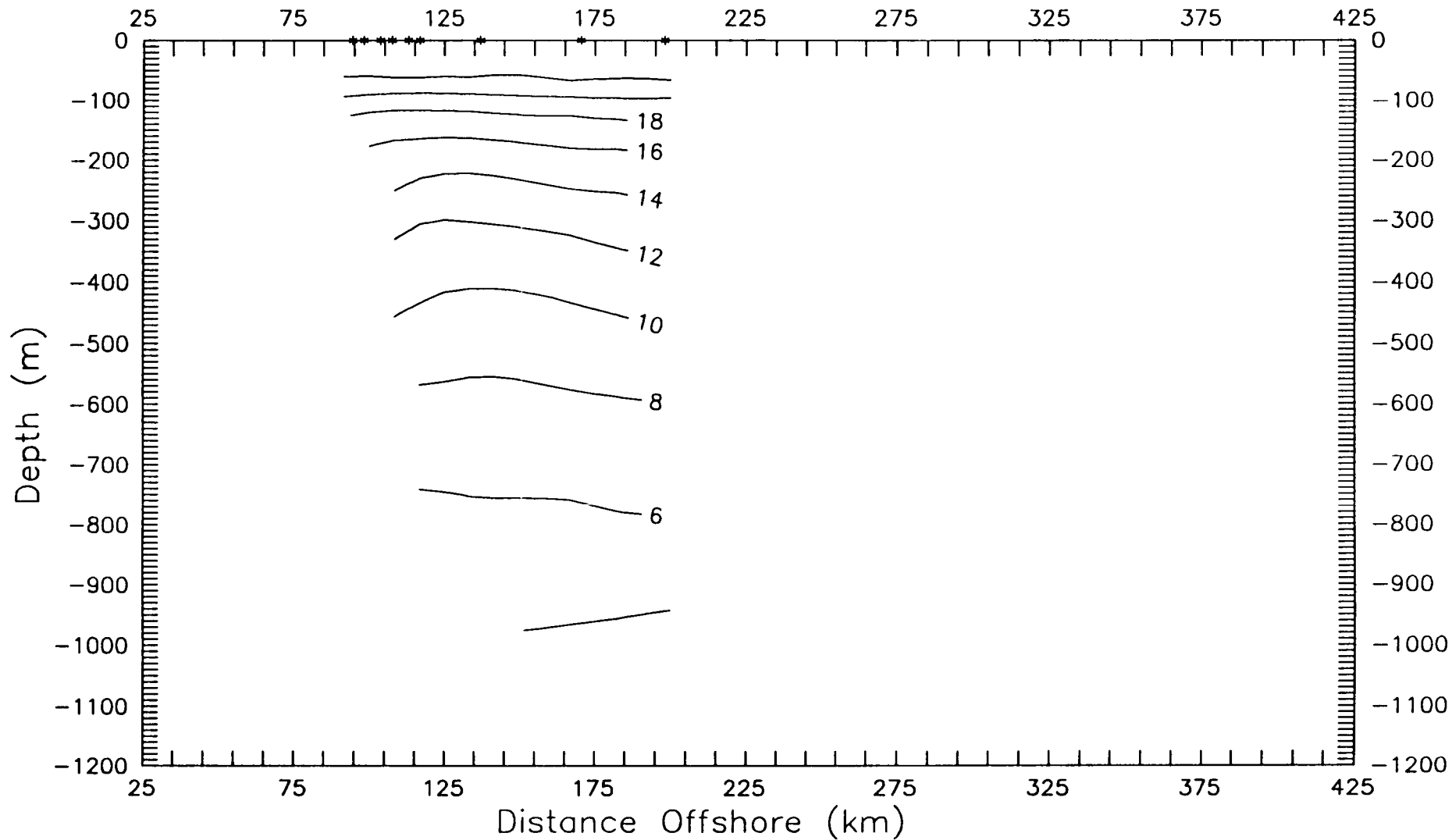
Temperature (°C)

GULFCET 07: Line 13



Temperature (°C)

GULFCET 07: Line 14



SALINITY DATA:

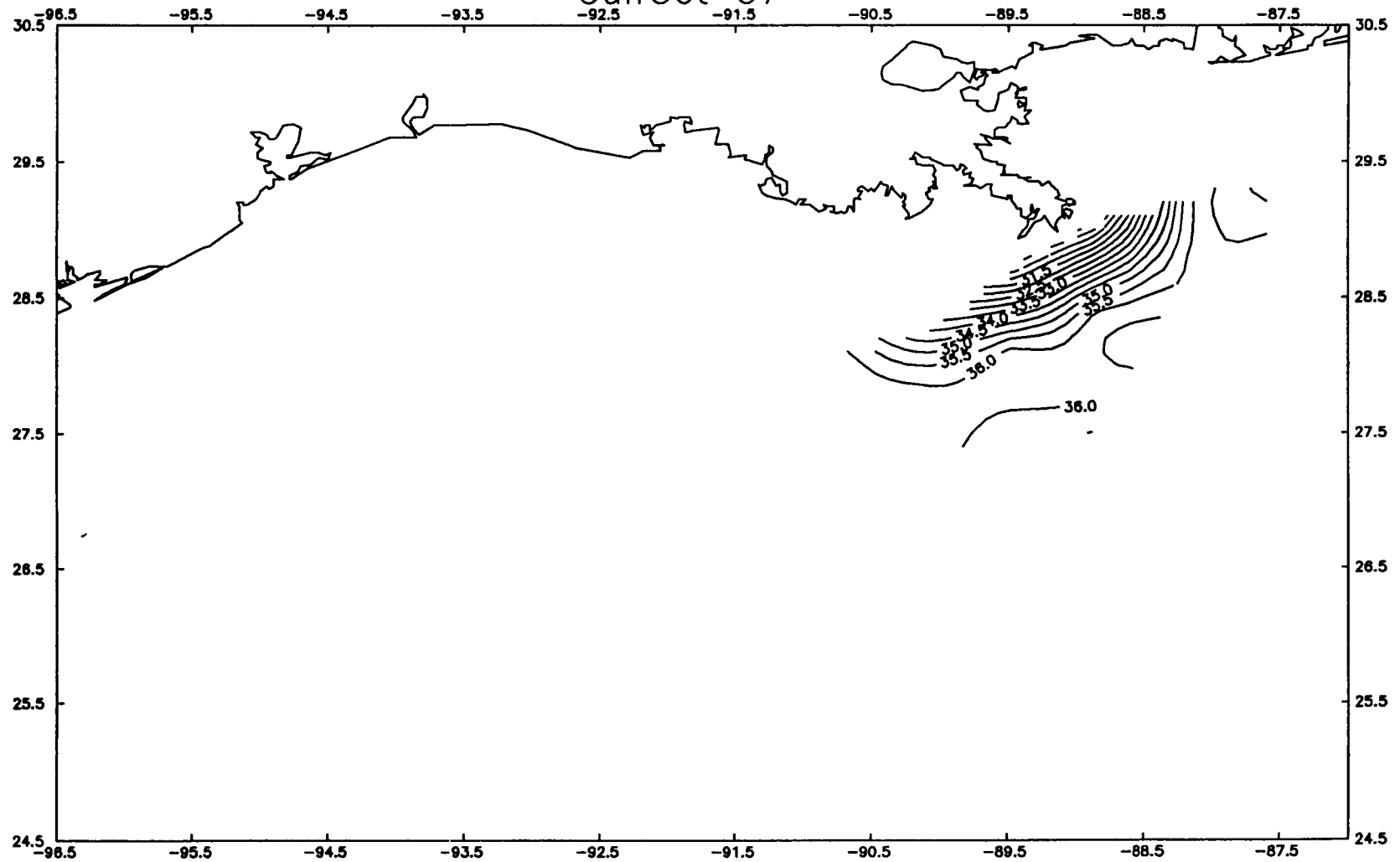
- DATA SUMMARY TABLE
- CTD SURFACE SALINITY MAP
- NISKIN BOTTLE SURFACE SALINITY MAP

Cruise 07 Salinity Data

Station	Depth (m)	Bottle Salinity	Probe Salinity	Difference Bottle-CTD	Station	Depth (m)	Bottle Salinity	Probe Salinity	Difference Bottle-CTD
05-050	796	34.9597	34.8865	0.0732	11-106	2	30.2197	29.8262	0.3935
05-050	1	36.1424	36.1452	-0.0028	11-106	91	36.3907	36.3968	-0.0061
05-053	806	34.9048	34.8895	0.0153	11-112	807	34.9109	34.8929	0.0180
05-053	3	36.2988	36.2609	0.0379	11-112	1	36.1211	36.1248	-0.0037
06-054	806	34.9087	34.8937	0.0150	11-115	805	34.9118	34.8948	0.0170
06-054	6	36.3697	36.3810	-0.0113	11-115	1	35.6497	35.6436	0.0061
06-055	809	34.9139	34.8989	0.0150	12-116	809	34.9598	34.9028	0.0570
06-055	3	36.3379	36.3438	-0.0059	12-116	1	35.2919	35.2840	0.0079
06-059	789	35.0529	34.8857	0.1672	12-117	11	34.9154	36.1493	-1.2339
06-059	2	36.3559	36.3629	-0.0070	12-117	810	34.9157	34.8979	0.0178
06-064	2	36.3025	36.3095	-0.0070	12-117	2	36.1472	36.1504	-0.0032
06-064	91	36.3850	36.4018	-0.0168	12-119	808	34.9009	34.8846	0.0163
07-065	2	36.2612	36.2654	-0.0042	12-119	1	36.0101	36.0108	-0.0007
07-065	95	36.3990	36.4590	-0.0600	12-119	119	36.5159	36.5185	-0.0026
07-071	748	34.9015	34.8860	0.0155	12-119	74	36.5560	36.5669	-0.0109
07-071	2	36.2450	36.2505	-0.0055	12-125	1	28.5644	31.4026	-2.8382
07-073	813	34.9514	34.8933	0.0581	12-125	88	36.3485	36.3602	-0.0117
07-073	1	36.3244	36.3322	-0.0078	13-126	2	35.8465	35.8413	0.0052
07-075	807	34.9164	34.8922	0.0242	13-126	91	36.3290	36.3366	-0.0076
07-075	2	36.2756	36.2837	-0.0081	13-133	817	34.9013	34.8812	0.0201
08-076	807	34.9047	34.8882	0.0165	13-133	1	36.0642	36.0653	-0.0011
08-076	2	36.2700	36.2770	-0.0070	13-134	809	34.8926	34.8760	0.0166
08-080	811	34.9017	34.8869	0.0148	13-134	1	36.0567	36.0578	-0.0011
08-080	2	36.2872	36.2935	-0.0063	14-135	804	34.8986	34.8817	0.0169
08-086	2	36.2258	36.2335	-0.0077	14-135	2	36.0415	36.0453	-0.0038
08-086	95	36.3673	36.3749	-0.0076	14-136	800	34.9060	34.8838	0.0222
09-087	1	36.3006	36.3098	-0.0092	14-136	120	36.4280	36.4336	-0.0056
09-087	92	36.3476	36.3605	-0.0129	14-136	91	36.0885	36.5866	-0.4981
09-093	810	34.9015	34.8858	0.0157	14-136	76	36.4649	36.4577	0.0072
09-093	2	36.2372	36.2386	-0.0014	14-136	25	36.0167	36.0174	-0.0007
09-096	808	34.9005	34.8806	0.0199	14-136	11	36.0214	36.0177	0.0037
09-096	2	36.3118	36.3169	-0.0051	14-136	2	36.0296	36.0314	-0.0018
10-097	809	34.9024	34.8865	0.0159	14-143	3	35.8438	35.8420	0.0018
10-097	1	36.2421	36.2469	-0.0048	14-143	11	35.8415	35.8367	0.0048
10-100	705	34.9045	34.8869	0.0176	14-143	26	35.8691	35.7917	0.0774
10-100	1	36.2439	36.2427	0.0012	14-143	51	35.8403	35.8422	-0.0019
10-105	1	33.9884	33.9408	0.0476	14-143	73	36.3678	36.6972	-0.3294
10-105	88	36.3758	36.3904	-0.0146					

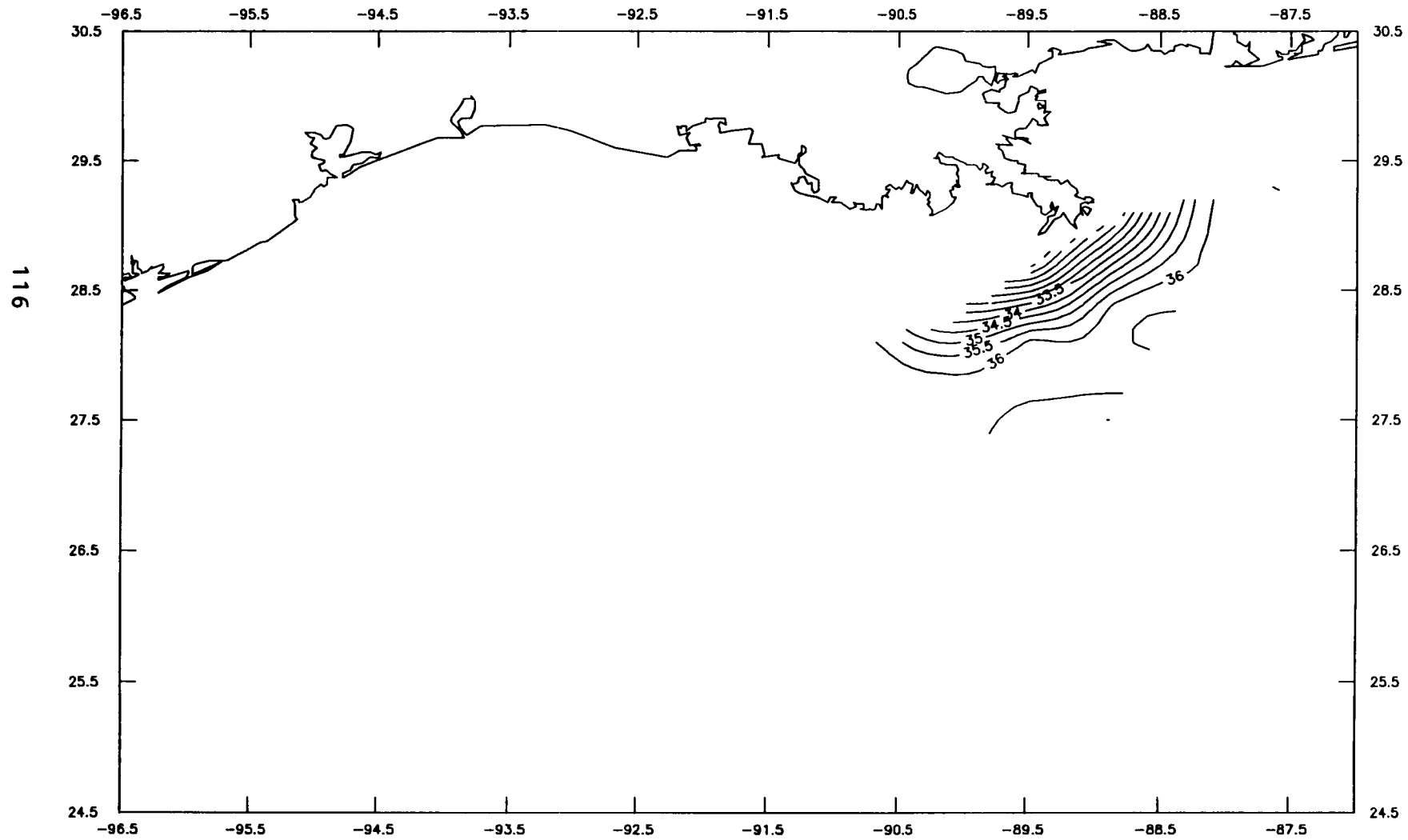
CTD Surface Salinity (PSU)

GulfCet_07



Niskin Bottle Surface Salinity (PSU)

GulfCet 07



**APPENDIX A:
STATION POSITIONS**

Table 1. Cruise 07 XBT Stations and Probe Types

XBT Station	Date	Start Time	Latitude	Longitude	Probe Type	XBT Station	Date	Start Time	Latitude	Longitude	Probe Type
05-049	12/12/93	0823	27°06.04	93°30.14	T-7	10-099	12/08/93	0318	27°40.01	90°09.85	T-7
05-051	12/12/93	0434	26°43.13	93°29.90	T-7	10-101	12/08/93	0117	27°49.99	90°09.93	T-7
05-B09	12/12/93	0140	26°26.00	93°29.94	T-7	10-102*	12/07/93	2332	28°02.00	90°10.07	T-7
06-EX7	12/11/93	1536	26°29.78	92°50.06	T-7	10-103	12/07/93	2314	28°04.02	90°10.09	T-7
06-EX6	12/11/93	1152	26°51.37	92°49.66	T-7	10-104	12/07/93	2227	28°09.50	90°09.98	T-10
06-EX5	12/11/93	1035	26°58.96	92°49.58	T-7	11-EX3	12/07/93	1415	28°32.31	89°30.11	T-7
06-B08	12/11/93	1533	26°30.09	92°50.06	T-7	11-EX2	12/07/93	0650	27°45.50	89°29.78	T-7
06-B07	12/11/93	0953	27°04.18	92°49.65	T-7	11-EX1	12/07/93	0530	28°37.81	89°29.99	T-10
06-058	12/11/93	0748	27°18.94	92°50.00	T-7	11-107	12/07/93	1446	28°35.99	89°30.14	T-7
06-060	12/11/93	0447	27°34.46	92°50.10	T-7	11-108	12/07/93	1412	28°32.00	89°30.11	T-7
06-061	12/11/93	0352	27°40.99	92°50.17	T-7	11-109	12/07/93	1338	28°28.03	89°30.07	T-7
06-062	12/11/93	0335	27°42.99	92°50.12	T-7	11-110	12/07/93	1243	28°21.53	89°30.04	T-7
06-063	12/11/93	0201	27°54.45	92°49.97	T-10	11-111	12/07/93	1151	28°15.00	89°30.02	T-7
07-066	12/10/93	1917	27°52.99	92°09.96	T-10	11-B02	12/07/93	0744	27°52.00	89°30.03	T-7
07-067	12/10/93	1909	27°52.00	92°09.91	T-7	11-113	12/07/93	0534	27°38.14	89°29.98	T-7
07-068*	12/10/93	1806	27°44.94	92°10.05	T-7	12-B01	12/06/93	1628	28°00.01	88°50.08	T-7
07-068	12/10/93	1809	27°45.19	92°10.01	T-7	12-118	12/06/93	1426	28°14.28	88°50.15	T-7
07-069	12/10/93	1654	27°37.00	92.09.96	T-7	12-120	12/06/93	0932	28°43.49	88°49.90	T-7
07-070	12/10/93	1547	27°29.48	92.09.89	T-7	12-121	12/06/93	0903	28°46.99	88°50.00	T-7
07-072	12/10/93	1200	27°09.99	92°10.03	T-7	12-122	12/06/93	0812	28°53.00	88°89.95	T-7
07-B06	12/10/93	0541	26°31.03	92°10.03	T-7	12-123	12/06/93		28°55.48	88°49.95	T-7
08-B05	12/09/93	1757	27°00.00	91°30.00	T-7	12-124	12/06/93	0711	29°00.00	88°49.96	T-10
08-079	12/09/93	1429	27°22.98	91°29.90	T-7	13-127	12/06/93	0131	29°13.01	88°10.00	T-10
08-081	12/09/93	1211	27°32.92	91°29.87	T-7	13-128	12/06/93	0110	29°10.50	88°09.97	T-7
08-082	12/09/93	1027	27°45.31	91°30.00	T-7	13-129	12/06/93	0054	29°08.52	88°10.10	T-7
08-083	12/09/93	0951	27°49.51	91°29.98	T-7	13-130	12/06/93	0024	29°05.00	88°10.02	T-7
08-084	12/09/93	0930	27°51.99	91°30.01	T-7	13-131	12/06/93	0008	29°02.99	88°10.04	T-7
08-085	12/09/93	0922	27°52.99	91°30.07	T-10	13-132	12/05/93	2208	28°48.98	88°10.01	T-7
09-088	12/09/93	0149	28°02.49	90°49.98	T-10	14-137	12/05/93	0820	29°04.00	87°29.95	T-7
09-089	12/09/93	0129	28°00.08	90°50.33	T-7	14-138	12/05/93	0647	29°15.01	87°30.00	T-7
09-090	12/09/93	0020	27°51.99	90°49.91	T-7	14-139	12/05/93	0630	29°17.01	87°30.01	T-7
09-091	12/08/93	2230	27°45.98	90°50.03	T-7	14-140	12/05/93	0604	29°19.99	87°30.06	T-7
09-092	12/08/93	2236	27°39.49	90°50.02	T-7	14-141	12/05/93	0547	29°22.00	87°30.05	T-7
09-094	12/08/93	1810	27°15.97	90°50.01	T-7	14-142	12/05/93	0522	29°25.01	87°29.96	T-10
09-B04	12/08/93	1557	27°00.02	90°49.80	T-7	NL-EX8	12/12/93	0934	27°14.35	93°32.03	T-7
10-EX4	12/08/93	2335	28°01.62	90°10.07	T-7	NL-EX9	12/12/93	1310	27°44.57	93°43.40	T-7
10-098	12/08/93	0713	27°11.49	90°10.08	T-7	NL-E10	12/12/93	1420	27°56.12	93°48.50	T-7
10-B03	12/08/93	0514	27°26.01	90°09.99	T-7						

Note: * "bad" probe

Table 2. Cruise 07 CTD Station Positions

Station	Date	Time	Latitude	Longitude	Depth	Station	Date	Time	Latitude	Longitude	Depth
05-050	12/12/93	0438	26° 45.82	93° 30.07	1470	10-097	12/8/93	0728	27° 09.93	90° 09.92	2000
05-053	12/11/93	2237	26° 09.97	93° 29.99	2000	10-100	12/8/93	0151	27° 45.97	90° 09.88	735
06-054	12/11/93	1749	26° 14.04	92° 50.00	2000	10-105	12/7/93	2119	28° 15.95	90° 09.95	94
06-055	12/11/93	1243	26° 46.04	92° 50.13	1745	11-106	12/7/93	1602	28° 44.95	89° 30.09	95
06-059	12/11/93	0605	27° 25.99	92° 50.00	1035	11-112	12/7/93	0940	28° 05.98	89° 29.99	1075
06-064	12/11/93	0047	28° 01.96	92° 49.98	97	11-115	12/7/93	0302	27° 27.01	89° 29.96	2000
07-065	12/10/93	2037	28° 01.99	92° 10.01	101	12-116	12/6/93	2200	27° 25.90	88° 49.97	2000
07-071	12/10/93	1430	27° 25.88	92° 09.91	775	12-117	12/6/93	1828	27° 45.95	88° 49.99	1575
07-073	12/10/93	0752	26° 46.04	92° 09.95	1800	12-119	12/6/93	1205	28° 25.96	88° 50.04	1300
07-075	12/10/93	0309	26° 17.12	92° 09.95	2000	12-125	12/6/93	0605	29° 06.47	88° 50.03	90
08-076	12/9/93	2115	26° 37.02	91° 29.96	2000	13-126	12/6/93	0208	29° 16.46	88° 09.97	97
08-080	12/9/93	1311	27° 26.04	91° 29.98	940	13-133	12/5/93	2107	28° 45.97	88° 09.96	1850
08-086	12/9/93	0705	28° 07.47	91° 30.03	97	13-134	12/5/93	1857	28° 37.00	88° 10.00	2000
09-087	12/9/93	0249	28° 09.05	90° 49.98	99	14-135	12/5/93	1355	28° 30.98	87° 29.98	2000
09-093	12/8/93	1939	27° 26.04	90° 50.01	1300	14-136	12/5/93	1056	28° 45.97	87° 30.04	1600
09-096	12/8/93	1257	26° 45.02	90° 50.06	2000	14-143	12/5/93	0455	29° 26.84	87° 29.97	90

APPENDIX B:
TEMPERATURE AND SALINITY

Figure 2. CTD Station 05-050 Temperature versus XBT Station 05-051 Temperature
(2.91 nautical mile separation between stations)

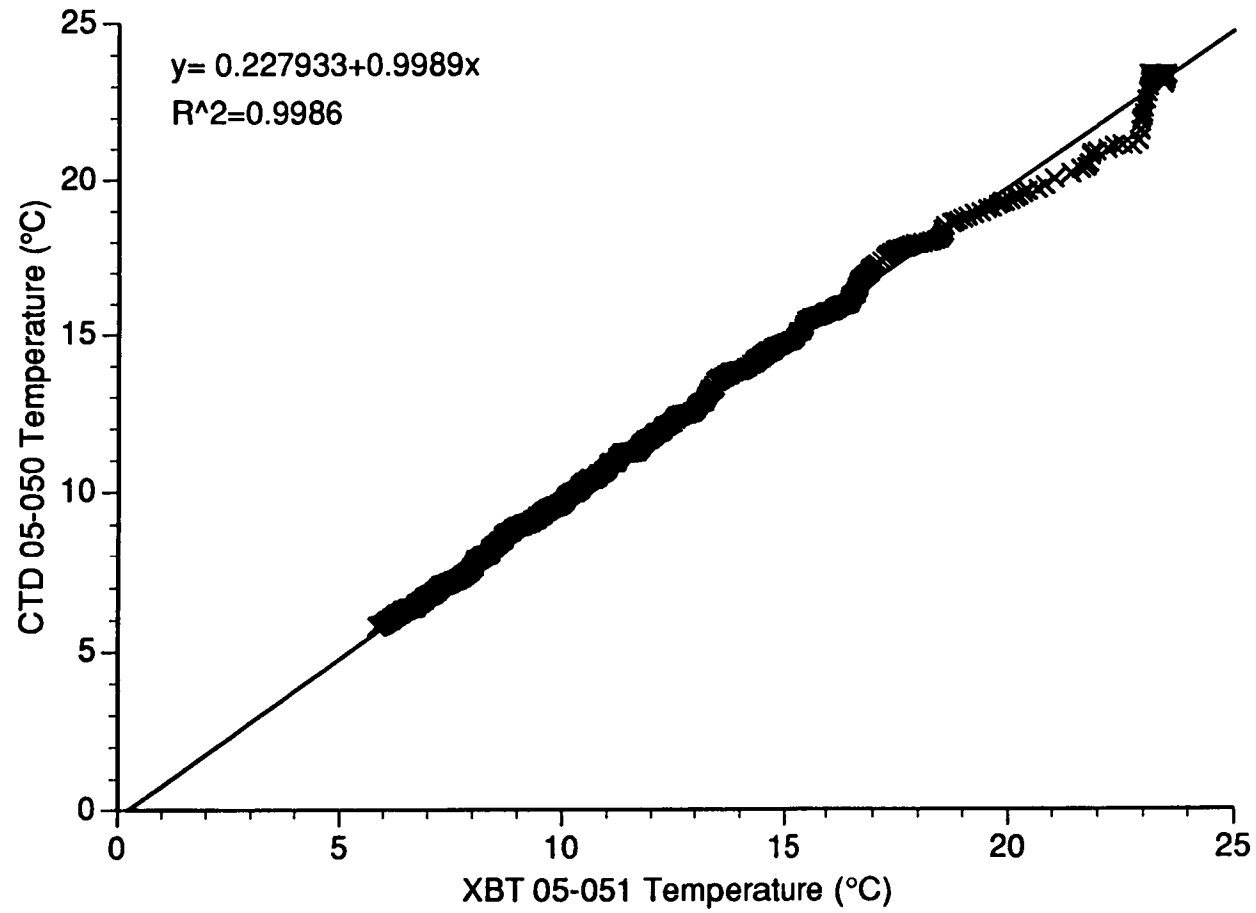


Figure 3. Niskin Bottle Salinity versus CTD Salinity

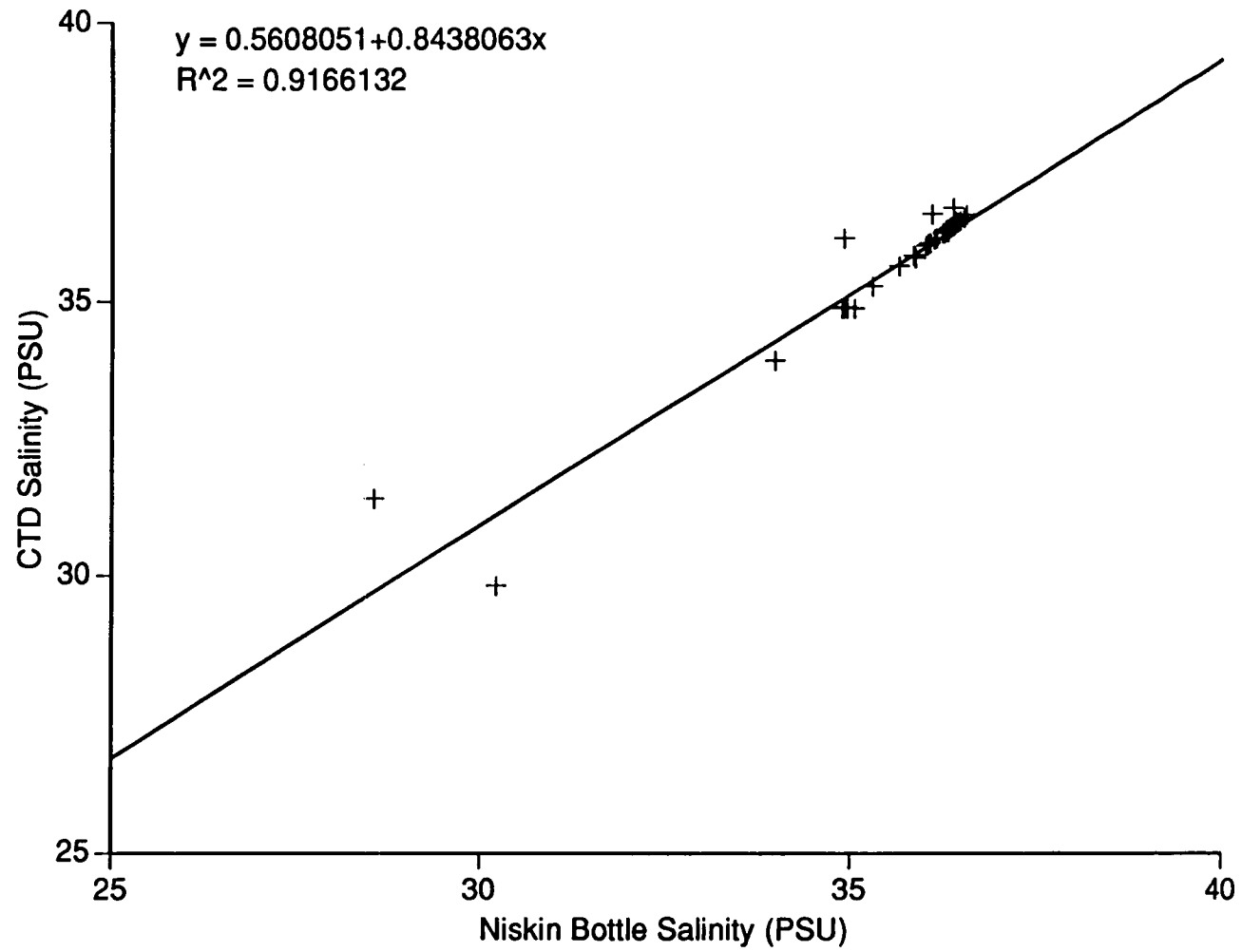
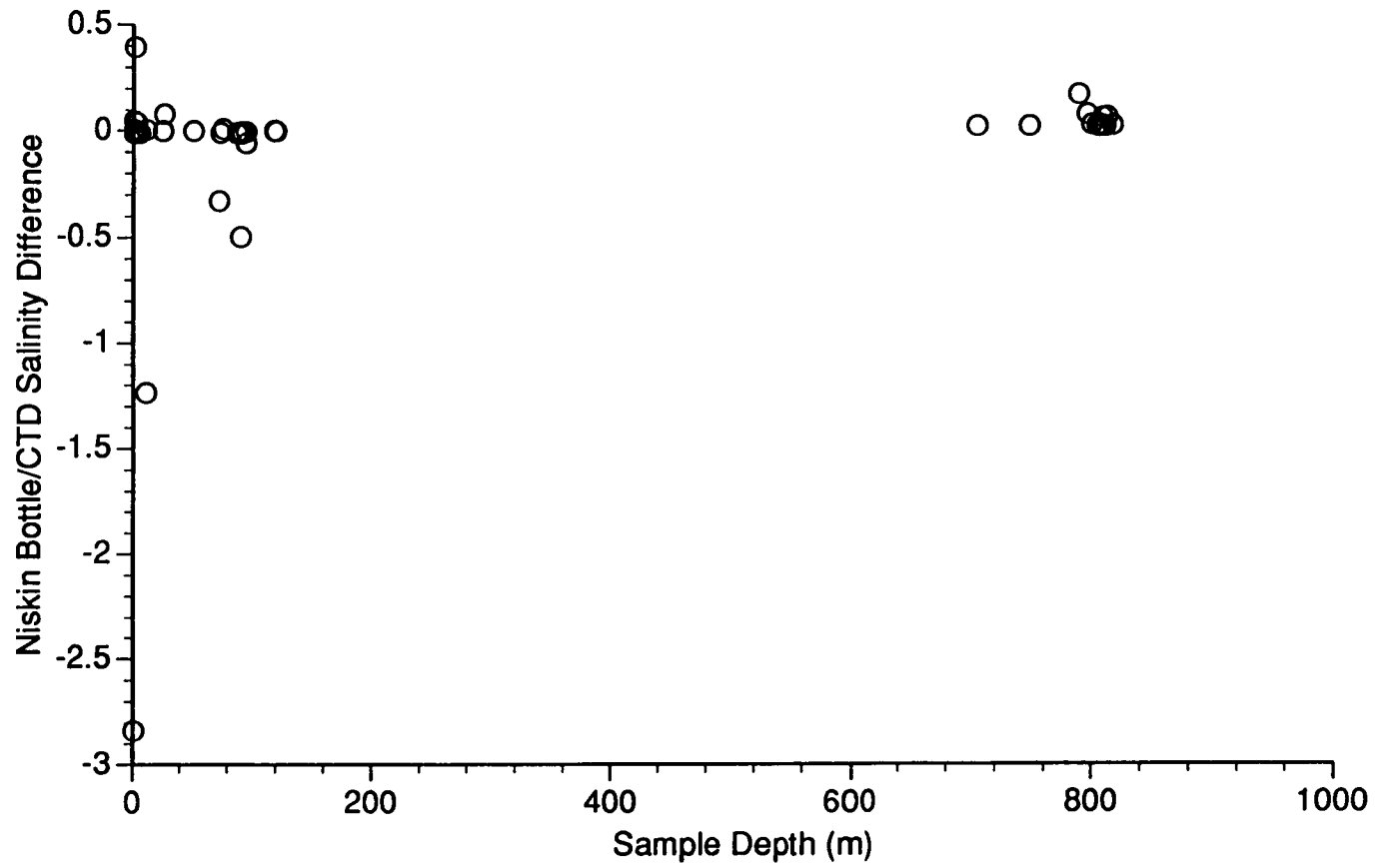


Figure 4. Sample Depth versus Niskin Bottle/CTD Salinity Difference





The Department of the Interior Mission

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering sound use of our land and water resources; protecting our fish, wildlife, and biological diversity; preserving the environmental and cultural values of our national parks and historical places; and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.



The Minerals Management Service Mission

As a bureau of the Department of the Interior, the Minerals Management Service's (MMS) primary responsibilities are to manage the mineral resources located on the Nation's Outer Continental Shelf (OCS), collect revenue from the Federal OCS and onshore Federal and Indian lands, and distribute those revenues.

Moreover, in working to meet its responsibilities, the **Offshore Minerals Management Program** administers the OCS competitive leasing program and oversees the safe and environmentally sound exploration and production of our Nation's offshore natural gas, oil and other mineral resources. The MMS **Minerals Revenue Management** meets its responsibilities by ensuring the efficient, timely and accurate collection and disbursement of revenue from mineral leasing and production due to Indian tribes and allottees, States and the U.S. Treasury.

The MMS strives to fulfill its responsibilities through the general guiding principles of: (1) being responsive to the public's concerns and interests by maintaining a dialogue with all potentially affected parties and (2) carrying out its programs with an emphasis on working to enhance the quality of life for all Americans by lending MMS assistance and expertise to economic development and environmental protection.