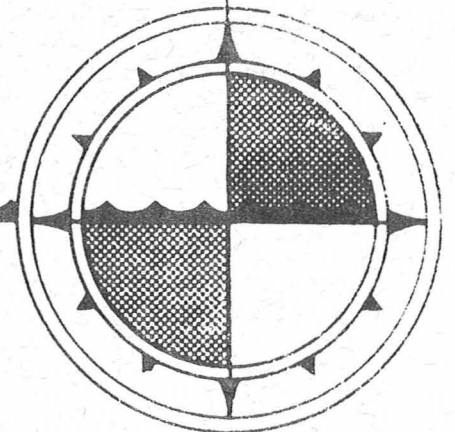


**OCEANOGRAPHIC OBSERVATIONS ALONG
LINE P AND OFF THE COAST OF BRITISH COLUMBIA
19 AUGUST - 10 SEPTEMBER 1975**

by

Offshore Oceanography Group

**Institute of Ocean Sciences, Patricia Bay
Sidney , B.C.**



OCEANOGRAPHIC OBSERVATIONS ALONG LINE P AND
OFF THE COAST OF BRITISH COLUMBIA
19 AUGUST - 10 SEPTEMBER 1975

by

Offshore Oceanography Group

Institute of Ocean Sciences, Patricia Bay
Sidney, B.C.

1978

This is a manuscript which has received only limited circulation. On citing this report in a bibliography, the title should be followed by the words "UNPUBLISHED MANUSCRIPT" which is in accordance with accepted bibliographic custom.

ABSTRACT

Physical oceanographic observations were made along Line P to Ocean Weather Station Papa, and off the coast of British Columbia.

Observed data only are shown, including surface salinity and temperature observations, profiles obtained with bottle casts, a conductivity-temperature-pressure instrument and an expendable bathythermograph system.

TABLE OF CONTENTS

| | <u>Page No.</u> |
|---|-----------------|
| ABSTRACT | i |
| INTRODUCTION | 1 |
| OBSERVATIONAL PROCEDURES | 1 |
| COMPUTATIONS | 2 |
| REFERENCES | 3 |
| STATION POSITIONS AND LOG OF STD AND XBT OBSERVATIONS | 4 |
| RESULTS OF HYDROGRAPHIC OBSERVATIONS | 9 |
| RESULTS OF STD OBSERVATIONS | 21 |
| RESULTS OF XBT OBSERVATIONS | 185 |
| SURFACE SALINITY AND TEMPERATURE OBSERVATIONS | 371 |

LIST OF FIGURES

| | | |
|----------|--|----|
| Figure 1 | Chart showing station positions | 7 |
| Figure 2 | Salinity difference between Hydrodata and STD | 22 |
| Figure 3 | Temperature difference between Hydrodata and STD | 23 |

INTRODUCTION

The data presented in this report was collected from one cruise as a supplement to the regular Line P weathership observations.

The vessel used during this cruise was the CFAV Endeavour. Personnel from and on contract to the Offshore Oceanography Group participated in this cruise (Cruise ref. No. 75-10).

The first phase was from 19 August to 28 August 1975. The second phase was from 30 August to 10 September 1975.

STD, XBT and surface observations were made along Line P, and on lines parallel to Line P with stations on same longitude as Line P stations (fig. 1).

The ship was equipped with a Plessey Model 6600T thermosalinograph which was used for continuous recording of surface temperature and salinity from the ship's seawaterloop. Requests for these data should be directed to the Institute of Ocean Sciences.

The following Pacific Marine Science Reports were published using data observed during this cruise:

Wood, Wayne, Practical accuracy of Sippican T-7 XBT's.

Tabata, S. An examination of the quality of sea-surface temperatures and salinities observed recently in the Northeast Pacific Ocean.

OBSERVATIONAL PROCEDURES

Observations for salinity, oxygen and temperature from all hydrographic casts, including the surface, were obtained with Niskin water sample bottles equipped with either Richter and Wiese and/or Yoshino Keiki Co. reversing thermometers. Two protected thermometers were used on all bottles and one unprotected thermometer was used on each bottle at depths of 300 m or greater. The accuracy of protected reversing thermometers is believed to be $\pm 0.02^{\circ}\text{C}$.

At each STD and XBT station a surface salinity sample was taken from a bucket and the ship's seawaterloop.

The surface water temperatures were measured from a bucket sample using a deck thermometer of $\pm 0.1^{\circ}\text{C}$ accuracy.

Salinity determinations were made aboard ship with a Hytech Model 6220 lab salinometer. Accuracy using duplicated determinations is estimated to be $\pm 0.003^{\circ}/\text{‰}$.

Depth determinations were made using the "depth difference" method described in the U.S.N. Hydrographic Office Publication No. 607 (1955). Depth estimates have an approximate accuracy of ± 5 m for depths less than 1000 m, and $\pm 0.5\%$ of depth for depths greater than 1000 m.

The dissolved oxygen analyses were done in the shipboard laboratory by a modified Winkler method (Carpenter, 1955).

STD profiles were taken with a Guildline Model 8701 STP system. The accuracy of this instrument is believed to be $\pm 0.01^\circ\text{C}$ for temperature and $\pm 0.01/\text{‰}$ for salinity.

XBT observations were made with a Sippican Expendable Bathythermograph System, consisting of a Model MK2A Recorder, a LM-3A hand-held launcher and T7 probes. The accuracy of this instrument is believed to be $\pm 0.2^\circ\text{C}$ for temperature and $\pm 2\%$ for depth.

COMPUTATIONS

All hydrographic data were processed with the aid of an IBM 370 computer and a UNIVAC 1100 computer. Reversing thermometer temperature corrections, thermometric depth calculations and accepted depth from the "depth difference" method were computed. Extraneous thermometric depths caused by thermometer malfunctions were automatically edited and replaced. A Calcomp 565 Offline Plotter was used to plot temperature-salinity, and temperature-oxygen diagrams, as well as plots of temperature, salinity, and dissolved oxygen vs \log_{10} depth. These plots were used to check the data for errors.

Missing hydrographic data were obtained using a weighted parabolas interpolation method (Reiniger and Ross, 1968). These data are indicated with an asterisk in this data record.

Data values which we suspect but which we have included in this data record are indicated with a plus. These data have been removed from punch card and magnetic tape records.

Analog records from the salinity-temperature-pressure and bathythermograph instruments have been machine digitized, then replotted using the Calcomp plotter.

Digitization was continued until original and computer plotted traces were coincident. Temperature and salinity values were listed at standard pressures, computed from the entire array of digitized data.

The headings for the data listings are explained as follows:

| | |
|-------------|--|
| PRESS | is pressure (decibars) |
| TEMP | is temperature (degrees Celsius) |
| SAL | is salinity (parts per thousand) |
| DEPTH | is reported in metres |
| SIGMA-T | is specific gravity anomaly |
| SVA | is specific volume anomaly |
| THETA | is potential temperature (degrees Celsius) |
| SVA (THETA) | is potential specific volume anomaly |
| DELTA D | is geopotential anomaly (J/kg) |
| POT EN | is potential energy in units of 10^8 ergs/cm ² |
| OXY | is the concentration of dissolved oxygen expressed in millilitres per litre |
| SOUND | is the velocity of sound in m/sec. |

REFERENCES

- Carpenter, J.H., 1965. The Chesapeake Bay Institute technique for the Winkler dissolved oxygen method. *Limnol. and Oceanogr.* 10:141-143.
- Collins, C.A., R.L. Tripe, D.A. Healey and J. Joergensen, 1969. The time distribution of serial oceanographic data from the Ocean Station P programme. *Fish. Res. Bd. Can. Tech. Rept. No.* 106.
- Reiniger, R.F. and C.K. Ross, 1968. A method of interpolation with application to oceanographic data. *Deep Sea Res.* 15:185-193.
- U.S.N. Hydrographic Office, 1955. *Instruction Manual of Oceanographic Observations*, Publ. No. 607.

Station No. and Positions

| <u>Station No.</u> | <u>Latitude(°N)</u> | <u>Longitude(°W)</u> | <u>STD</u> | <u>XBT</u> | <u>DATE</u> | <u>STD TIME</u> | <u>XBT TIME</u> |
|--------------------|---------------------|----------------------|------------|------------|-------------|---------------------|---------------------|
| 1 | 48° 33' | 125° 33' | 1 | - | 19-08-75 | 1600 | - |
| 2 | 48° 38' | 126° 00' | 2 | 1 | 19-08 | 1920 | 1935 |
| 3 | 48° 42' | 126° 40' | 3 | 2 | 19-08 | 2200 | 2218 |
| 4 | 48° 46' | 127° 40' | 4 | 3 | 20-08 | 0700 | 0751 |
| 5 | 48° 51' | 128° 40' | 5 | 4 | 20-08 | 1145 | 1235 |
| 5A | 48° 57' | 129° 40' | - | 5 | 20-08 | - | 1650 |
| 6 | 49° 02' | 130° 40' | 6 | 6 | 20-08 | 2055 | 2340 |
| 6A | 49° 06' | 131° 40' | - | 7 | 21-08 | - | 0334 |
| 7 | 49° 10' | 132° 40' | 8 | 8 | 21-08 | 0720 | 0757 |
| 7A | 49° 14' | 133° 40' | - | 9 | 21-08 | - | 1148 |
| 8 | 49° 17' | 134° 40' | 9 | 10 | 21-08 | 1550 | 1650 |
| 8A | 49° 21' | 135° 40' | - | 11 | 21-08 | - | 2030 |
| 9 | 49° 26' | 136° 40' | 11 | 12 | 22-08 | 0015 | 0055 |
| 9A | 49° 30' | 137° 40' | - | 13 | 22-08 | - | 0430 |
| 10 | 49° 34' | 138° 40' | 12 | 14 | 22-08 | 0815 | 0910 |
| 10A | 49° 38' | 139° 40' | - | 15 | 22-08 | - | 1423 |
| 11 | 49° 41' | 140° 40' | 13 | 16 | 22-08 | 2210 | 2241 |
| 11A | 49° 45' | 141° 40' | - | 17 | 23-08 | - | 0225 |
| 12 | 49° 49' | 142° 40' | 14 | 18 | 23-08 | 0615 | 0650 |
| 12A | 49° 55' | 143° 40' | - | 19 | 23-08 | - | 1030 |
| P | 50° 00' | 145° 00' | 15 | 20 | 23-08 | 1545 | 2005 |
| 13 | 51° 00' | 145° 00' | - | 21 | 24-08 | - | 0118 |
| 14 | 52° 00' | 145° 00' | 17 | 22 | 24-08 | 0600 | 0700 |
| 15 | 51° 55' | 143° 40' | - | 23 | 24-08 | - | 1100 |
| 16 | 51° 49' | 142° 40' | 18 | 24 | 24-08 | 1430 | 1515 |
| 17 | 51° 45' | 141° 40' | - | 25 | 24-08 | - | 1835 |
| 18 | 51° 41' | 140° 40' | 19 | 26 | 24-08 | 2140 | 2229 |
| 19 | 51° 38' | 139° 40' | - | 27 | 25-08 | - | 0150 |
| 20 | 51° 34' | 138° 40' | 20 | 28 | 25-08 | 0630 | 0702 |
| 21 | 51° 30' | 137° 40' | - | 29 | 25-08 | - | 1020 |
| 22 | 51° 26' | 136° 40' | 21 | 30 | 25-08 | 1330 | 1420 |
| 23 | 51° 21' | 135° 40' | - | 31 | 25-08 | - | 1745 |
| 24 | 51° 17' | 134° 40' | 22 | 32 | 25-08 | 2125 | 2200 |
| 25 | 51° 14' | 133° 40' | - | 33 | 26-08 | - | 0115 |
| 26 | 51° 10' | 132° 40' | 23 | 34 | 26-08 | 0430 | 0536 |
| 27 | 51° 36' | 131° 40' | - | 35 | 26-08 | - | 0906 |
| 28 | 51° 48' | 131° 07' | 24 | 36 | 26-08 | 1150 | 1310 |
| 29 | 51° 24' | 130° 55' | - | 37 | 26-08 | - | 1505 |
| 30 | 51° 02' | 130° 40' | 25 | 38 | 26-08 | 1735 | 1820 |
| 31 | 50° 31' | 129° 50' | 26 | 39 | 26-08 | 2235 | 2320 |
| 32 | 49° 51' | 128° 40' | 27 | 40 | 27-08 | 0620 | 0715 |
| 33 | 49° 17' | 127° 40' | 28 | 41 | 27-08 | 1210 | 1314 |
| 3 | 48° 42' | 126° 40' | 29 | 42 | 27-08 | 1900 | 1932 |
| 2 | 48° 38' | 126° 00' | 30 | - | 27-08 | 2155 | - |
| 1 | 48° 33' | 125° 33' | 31 | - | 28-08 | 0410 | - |
| 34 | 48° 03' | 125° 20' | 32 | - | 28-08 | 0725 | - |
| 32 | 49° 51' | 128° 40' | 33 | - | 30-08 | 1600 | - |
| 35 | 49° 57' | 129° 40' | - | 43 | 31-08 | - | 0754 |
| 36 | 50° 02' | 130° 40' | 34 | 44 | 31-08 | 1108 | 1150 |

| <u>Station No.</u> | <u>Latitude(°N)</u> | <u>Longitude(°W)</u> | <u>STD</u> | <u>XBT</u> | <u>DATE</u> | <u>STD TIME</u> | <u>XBT TIME</u> |
|--------------------|---------------------|----------------------|------------|------------|----------------|---------------------|---------------------|
| 37 | 50° 06' | 131° 40' | 35 | - | 31-08-75 | 1535 | - |
| 38 | 50° 10' | 132° 40' | 36 | - | 31-08 | 1945 | - |
| 39 | 50° 14' | 133° 40' | 37 | - | 01-09 | 0003 | - |
| 40 | 50° 17' | 134° 40' | 38 | 45 | 01-09 | 0400 | 0425 |
| 41 | 50° 21' | 135° 40' | 39 | - | 01-09 | 0755 | - |
| 42 | 50° 26' | 136° 40' | 40 | - | 01-09 | 1200 | - |
| | | | 41 | | no observation | | |
| 43 | 50° 30' | 137° 40' | 42 | 46 | 01-09 | 1644 | 1710 |
| 44 | 50° 34' | 138° 40' | 43 | - | 01-09 | 2045 | - |
| 45 | 50° 38' | 139° 40' | 44 | 47 | 02-09 | 0135 | 0205 |
| 46 | 50° 41' | 140° 40' | 45 | 48 | 02-09 | 0530 | 0600 |
| 47 | 51° 11' | 140° 40' | - | 49 | 02-09 | | 0845 |
| 18 | 51° 41' | 140° 40' | 46 | 50 | 02-09 | 1110 | 1150 |
| 48 | 52° 11' | 140° 40' | - | 51 | 02-09 | - | 1419 |
| 49 | 52° 41' | 140° 40' | 47 | 52 | 02-09 | 1655 | 1730 |
| 50 | 53° 11' | 140° 40' | - | 53 | 02-09 | - | 2002 |
| 51 | 53° 41' | 140° 40' | 48 | 54 | 02-09 | 2232 | 2315 |
| 52 | 54° 11' | 140° 40' | - | 55 | 03-09 | - | 0138 |
| 53 | 54° 41' | 140° 40' | 49 | 56 | 03-09 | 0415 | 0445 |
| 54 | 54° 41' | 139° 40' | - | 57 | 03-09 | - | 0733 |
| 55 | 54° 41' | 138° 40' | 50 | 58 | 03-09 | 1030 | 1115 |
| 56 | 54° 41' | 137° 40' | - | 59 | 03-09 | - | 1417 |
| 57 | 54° 41' | 136° 40' | 51 | 60 | 03-09 | 1730 | 1800 |
| 58 | 54° 41' | 135° 40' | 52 | 61 | 03-09 | 2055 | 2140 |
| 59 | 54° 41' | 134° 40' | 53 | 62 | 04-09 | 0025 | 0100 |
| 60 | 54° 41' | 134° 05' | 54 | - | 04-09 | 0250 | - |
| 61 | 54° 38' | 133° 29' | 55 | - | 04-09 | 0519 | - |
| 62 | 54° 20' | 133° 14' | 56 | 63 | 04-09 | 0725 | 0750 |
| 63 | 53° 14' | 133° 40' | 57 | 64 | 05-09 | 1029 | 1120 |
| 64 | 53° 17' | 134° 40' | 58 | 65 | 05-09 | 1510 | 1535 |
| 65 | 53° 21' | 135° 40' | - | 66 | 05-09 | - | 1915 |
| 66 | 53° 26' | 136° 40' | 59 | 67 | 05-09 | 2220 | 2255 |
| 67 | 53° 30' | 137° 40' | - | 68 | 06-09 | - | 0225 |
| 68 | 53° 34' | 138° 40' | 60 | 69 | 06-09 | 0554 | 0645 |
| 69 | 53° 38' | 139° 40' | - | 70 | 06-09 | - | 1025 |
| 51 | 53° 41' | 140° 40' | 61 | 71 | 06-09 | 1425 | 1500 |
| 70 | 53° 07' | 139° 40' | - | 72 | 06-09 | - | 1955 |
| 71 | 52° 34' | 138° 40' | 62 | 73 | 07-09 | 0010 | 0040 |
| 72 | 52° 30' | 137° 40' | 63 | 74 | 07-09 | 0330 | 0400 |
| 73 | 52° 26' | 136° 40' | 64 | 75 | 07-09 | 0655 | 0740 |
| 74 | 52° 21' | 135° 40' | 65 | 76 | 07-09 | 1032 | 1115 |
| 75 | 52° 17' | 134° 40' | 66 | 77 | 07-09 | 1415 | 1450 |
| 76 | 52° 14' | 133° 40' | 67 | 78 | 07-09 | 1800 | 2015 |

| <u>Station No.</u> | <u>Latitude(°N)</u> | <u>Longitude(°W)</u> | <u>STD</u> | <u>XBT</u> | <u>DATE</u> | <u>STD TIME</u> | <u>XBT TIME</u> |
|--------------------|---------------------|----------------------|------------|------------|-------------|---------------------|---------------------|
| 77 | 52° 10' | 132° 40' | 69 | 79 | 07-09-75 | 2310 | 2340 |
| 78 | 51° 40' | 132° 40' | 70 | 80 | 08-09 | 0220 | 0250 |
| 26 | 51° 10' | 132° 40' | 71 | 81 | 08-09 | 0520 | 0550 |
| 79 | 50° 40' | 132° 40' | 72 | 82 | 08-09 | 0812 | 0852 |
| 38 | 50° 10' | 132° 40' | 73 | 83 | 08-09 | 1110 | 1150 |
| 80 | 49° 40' | 132° 40' | 74 | 84 | 08-09 | 1435 | 1520 |
| 7 | 49° 10' | 132° 40' | 75 | 85 | 08-09 | 1739 | 1810 |
| 81 | 48° 40' | 132° 40' | 76 | 86 | 08-09 | 1958 | 2032 |
| 82 | 48° 10' | 132° 40' | 77 | 87 | 08-09 | 2240 | 2325 |
| 83 | 48° 06' | 131° 40' | 78 | 88 | 09-09 | 0200 | 0236 |
| 84 | 48° 02' | 130° 40' | 79 | 89 | 09-09 | 0556 | 0625 |
| 85 | 47° 57' | 129° 40' | 80 | 90 | 09-09 | 0958 | 1040 |
| 86 | 47° 51' | 128° 40' | 81 | 91 | 09-09 | 1420 | 1450 |
| 87 | 47° 46' | 127° 40' | 82 | 92 | 09-09 | 1833 | 1903 |
| 88 | 47° 42' | 126° 40' | 83 | 93 | 09-09 | 2237 | 2315 |
| 89 | 47° 58' | 126° 00' | 84 | 94 | 10-09 | 0200 | 0230 |
| 90 | 48° 27' | 124° 51' | 85 | - | 10-09 | 0711 | - |

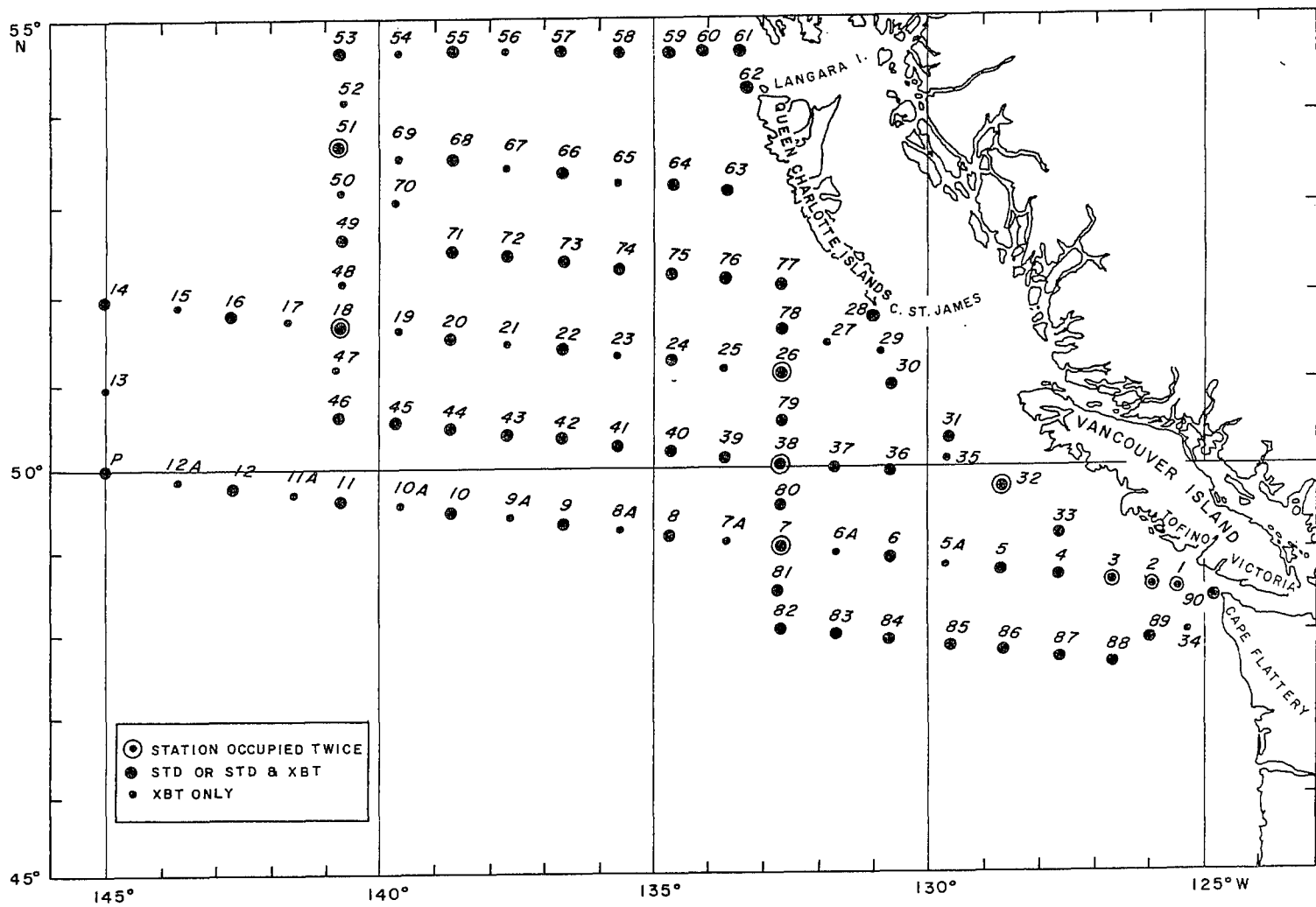
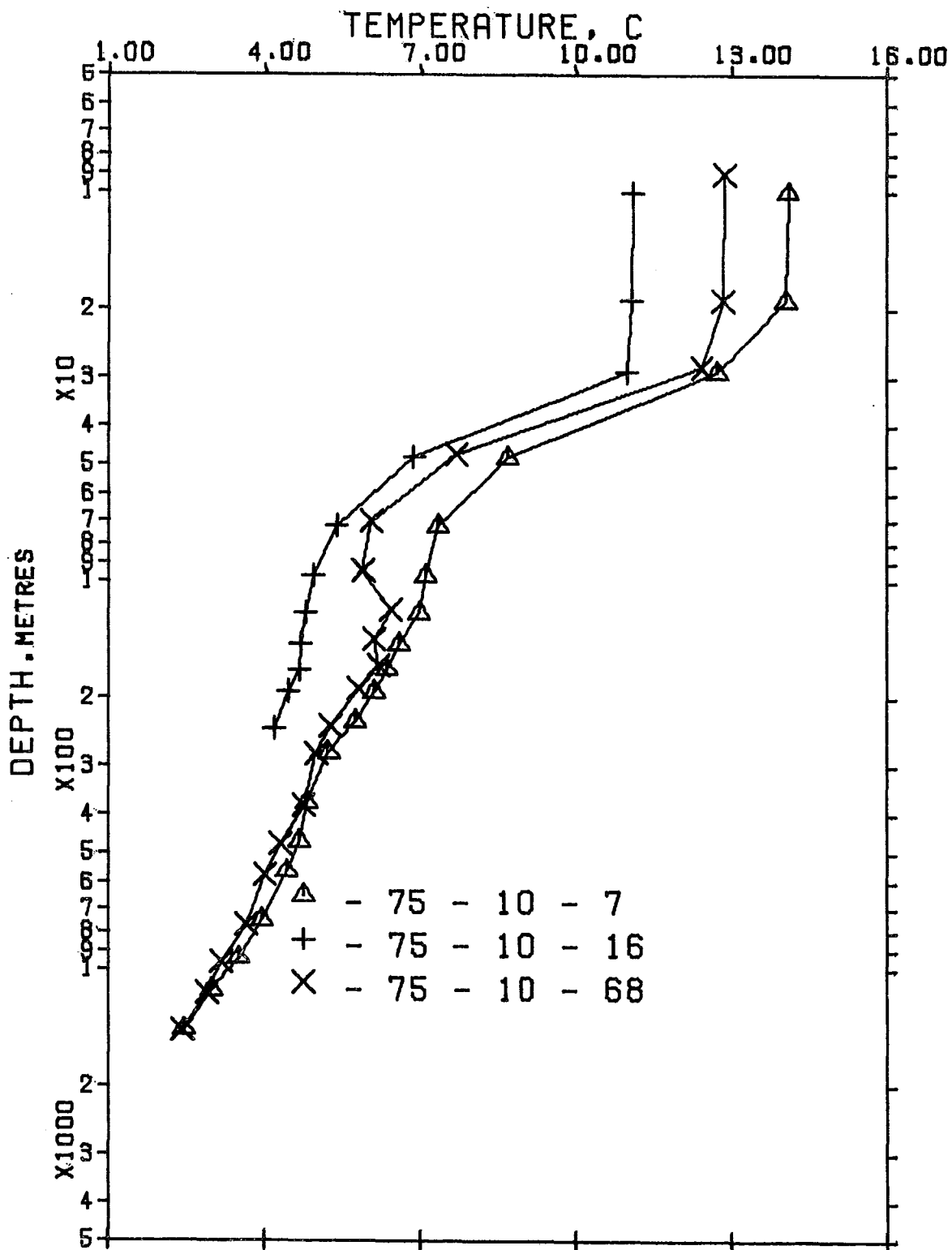


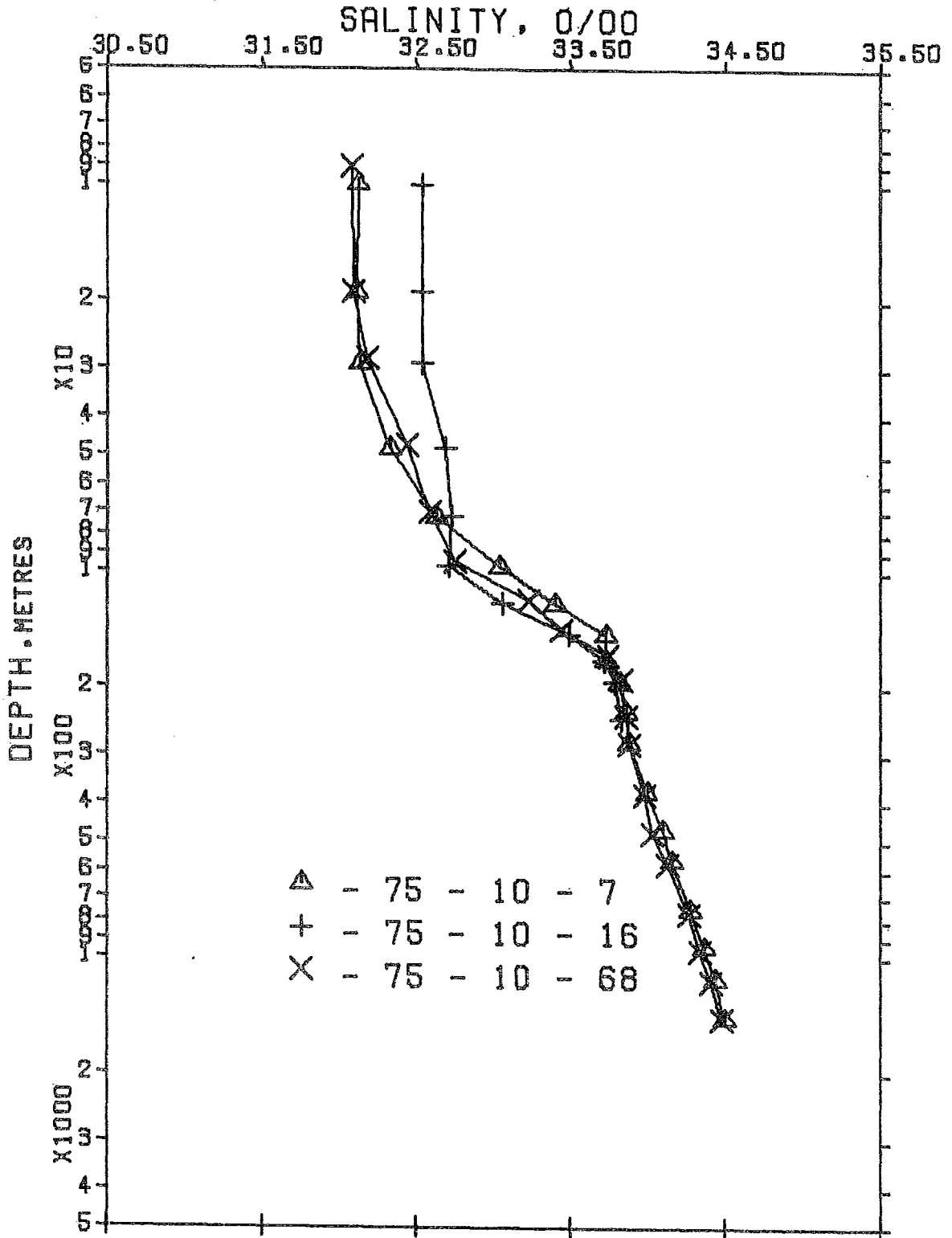
FIG. 1 Chart showing station positions.

THIS PAGE IS BLANK

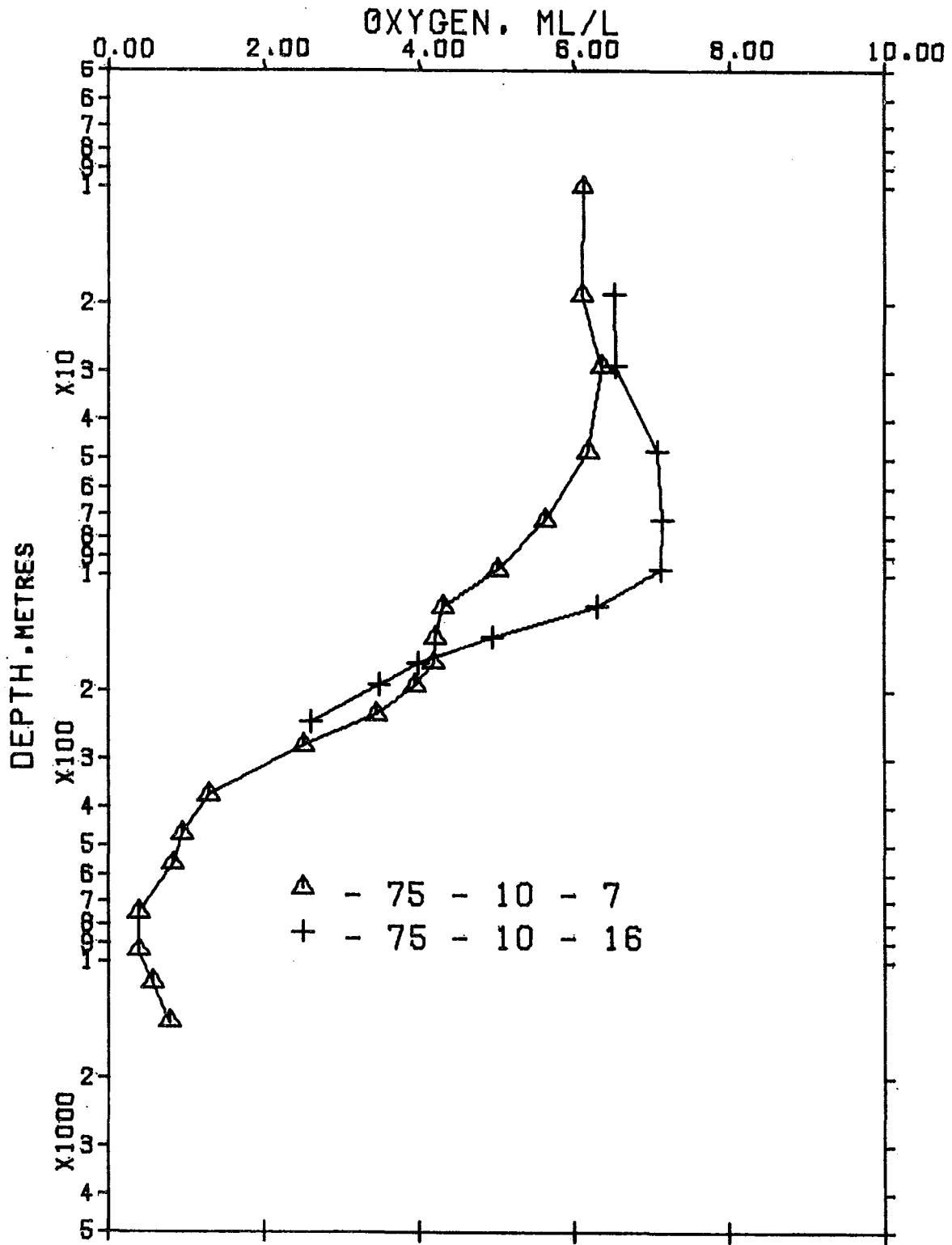
RESULTS OF HYDROGRAPHIC OBSERVATIONS



Composite plot of temperature vs Log₁₀ depth.

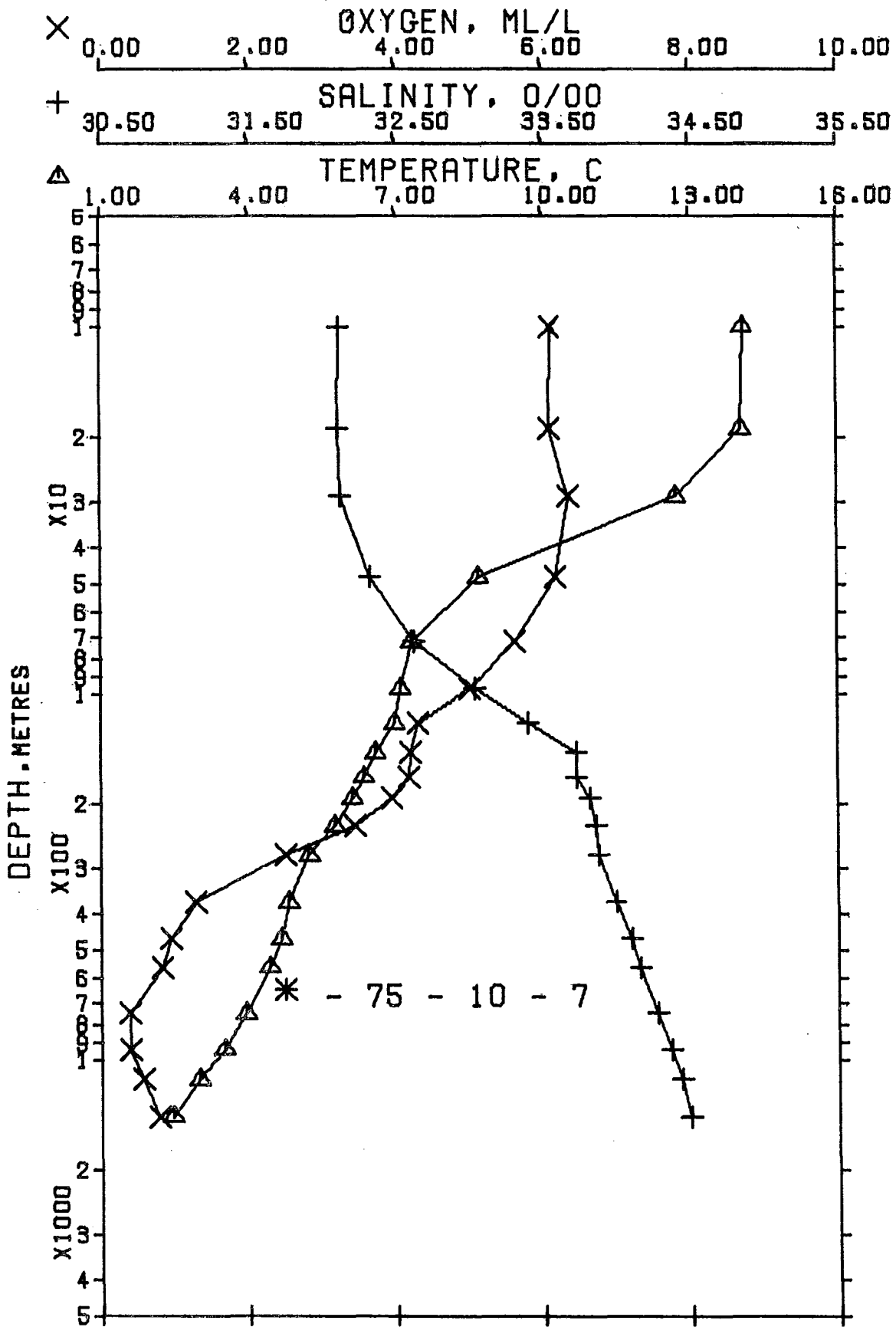


Composite plot of salinity vs Log₁₀ depth.



Composite plot of oxygen vs Log₁₀ depth.

THIS PAGE IS BLANK



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75- 10- 7 DATE 20/ 8/75 GMT 22.0

POSITION 49- 2.0 N, 130-40.0 W

STATION 6

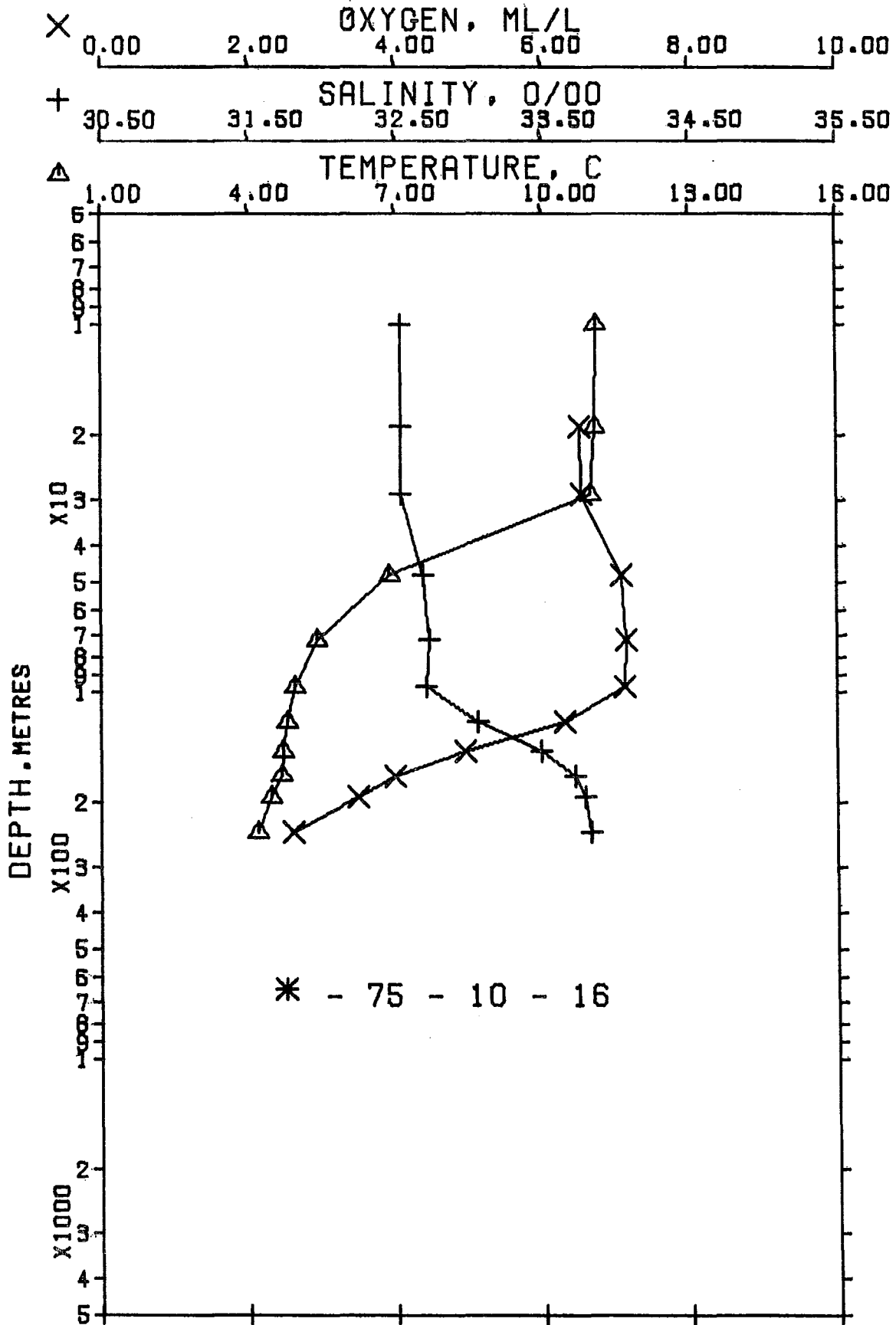
HYDROGRAPHIC CAST DATA

OBSERVED DATA

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | THETA | SVA (THETA) | DELTA D | POT. EN | OXY | SOUND |
|-------|-------|--------|-------|------------|-------|-------|----------------|------------|------------|------|-------|
| 0 | 14.16 | 32.121 | 0 | 23.956 | 396.1 | 14.16 | 396.1 | .00 | .00 | 6.12 | 1501. |
| 10 | 14.11 | 32.121 | 10 | 23.966 | 395.4 | 14.11 | 395.1 | .40 | .02 | 6.12 | 1501. |
| 19 | 14.07 | 32.117 | 19 | 23.971 | 395.1 | 14.07 | 394.6 | .76 | .07 | 6.11 | 1501. |
| 29 | 12.74 | 32.135 | 29 | 24.250 | 368.7 | 12.74 | 368.0 | 1.14 | .17 | 6.36 | 1497. |
| 48 | 8.70 | 32.335 | 48 | 25.104 | 287.6 | 8.69 | 286.7 | 1.77 | .41 | 6.20 | 1483. |
| 72 | 7.34 | 32.630 | 72 | 25.532 | 247.1 | 7.33 | 246.0 | 2.41 | .81 | 5.64 | 1478. |
| 98 | 7.12 | 33.045 | 97 | 25.887 | 213.6 | 7.11 | 212.2 | 2.99 | 1.31 | 5.01 | 1479. |
| 122 | 6.98 | 33.408 | 121 | 26.191 | 185.1 | 6.97 | 183.3 | 3.47 | 1.84 | 4.32 | 1479. |
| 146 | 6.60 | 33.739 | 145 | 26.502 | 155.9 | 6.59 | 153.7 | 3.88 | 2.40 | 4.20 | 1478. |
| 170 | 6.36 | 33.739 | 169 | 26.534 | 153.2 | 6.34 | 150.7 | 4.26 | 3.01 | 4.19 | 1478. |
| 194 | 6.10 | 33.820 | 193 | 26.631 | 144.2 | 6.08 | 141.5 | 4.62 | 3.67 | 3.96 | 1477. |
| 232 | 5.77 | 33.862 | 230 | 26.705 | 137.5 | 5.75 | 134.4 | 5.14 | 4.81 | 3.44 | 1476. |
| 279 | 5.23 | 33.885 | 277 | 26.788 | 129.9 | 5.21 | 126.5 | 5.77 | 6.46 | 2.51 | 1475. |
| 375 | 4.82 | 34.000 | 372 | 26.926 | 117.6 | 4.79 | 113.4 | 6.96 | 10.39 | 1.29 | 1475. |
| 471 | 4.68 | 34.105 | 467 | 27.025 | 109.1 | 4.64 | 103.9 | 8.04 | 15.06 | .96 | 1476. |
| 566 | 4.44 | 34.167 | 561 | 27.100 | 102.6 | 4.40 | 96.7 | 9.05 | 20.36 | .83 | 1477. |
| 756 | 3.95 | 34.290 | 749 | 27.249 | 89.6 | 3.89 | 82.5 | 10.87 | 32.58 | .38 | 1478. |
| 948 | 3.50 | 34.374 | 939 | 27.361 | 79.7 | 3.43 | 71.8 | 12.49 | 46.65 | .38 | 1479. |
| 1143 | 3.01 | 34.440 | 1132 | 27.460 | 70.7 | 2.93 | 62.4 | 13.96 | 62.26 | .56 | 1481. |
| 1447 | 2.46 | 34.508 | 1432 | 27.562 | 61.1 | 2.36 | 52.6 | 15.95 | 88.56 | .79 | 1483. |

INTERPOLATED TO STANDARD PRESSURE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | THETA | SVA (THETA) | DELTA D | POT. EN | OXY | SOUND |
|-------|-------|--------|-------|------------|-------|-------|----------------|------------|------------|------|-------|
| 0 | 14.16 | 32.121 | 0 | 23.956 | 396.1 | 14.16 | 396.1 | .00 | .00 | 6.12 | 1501. |
| 10 | 14.11 | 32.121 | 10 | 23.966 | 395.4 | 14.11 | 395.1 | .40 | .02 | 6.12 | 1501. |
| 20 | 13.92 | 32.119 | 20 | 24.003 | 392.2 | 13.92 | 391.6 | .79 | .08 | 6.14 | 1501. |
| 30 | 12.51 | 32.147 | 30 | 24.304 | 363.6 | 12.50 | 362.9 | 1.17 | .18 | 6.35 | 1496. |
| 50 | 8.58 | 32.361 | 50 | 25.142 | 283.9 | 8.57 | 283.1 | 1.82 | .44 | 6.15 | 1483. |
| 75 | 7.31 | 32.679 | 75 | 25.574 | 243.1 | 7.31 | 242.0 | 2.48 | .86 | 5.56 | 1478. |
| 100 | 7.10 | 33.086 | 99 | 25.921 | 210.4 | 7.09 | 208.9 | 3.04 | 1.36 | 4.94 | 1479. |
| 125 | 6.92 | 33.457 | 124 | 26.237 | 180.8 | 6.91 | 178.9 | 3.53 | 1.92 | 4.30 | 1479. |
| 150 | 6.56 | 33.739 | 149 | 26.508 | 155.4 | 6.54 | 153.2 | 3.95 | 2.50 | 4.20 | 1478. |
| 175 | 6.30 | 33.756 | 174 | 26.555 | 151.2 | 6.29 | 148.7 | 4.33 | 3.14 | 4.14 | 1478. |
| 200 | 6.05 | 33.827 | 199 | 26.643 | 143.1 | 6.03 | 140.3 | 4.70 | 3.84 | 3.87 | 1477. |
| 225 | 5.82 | 33.855 | 224 | 26.693 | 138.6 | 5.80 | 135.6 | 5.05 | 4.60 | 3.53 | 1477. |
| 250 | 5.55 | 33.871 | 249 | 26.740 | 134.3 | 5.53 | 131.1 | 5.39 | 5.43 | 3.06 | 1476. |
| 300 | 5.13 | 33.913 | 298 | 26.822 | 126.8 | 5.10 | 123.3 | 6.04 | 7.26 | 2.21 | 1475. |
| 400 | 4.78 | 34.030 | 397 | 26.954 | 115.1 | 4.75 | 110.7 | 7.25 | 11.55 | 1.19 | 1475. |
| 500 | 4.60 | 34.125 | 496 | 27.050 | 107.0 | 4.56 | 101.6 | 8.36 | 16.63 | .91 | 1476. |
| 600 | 4.34 | 34.192 | 595 | 27.131 | 99.9 | 4.29 | 93.8 | 9.39 | 22.43 | .74 | 1477. |
| 700 | 4.08 | 34.258 | 694 | 27.210 | 93.0 | 4.03 | 86.2 | 10.36 | 28.82 | .50 | 1478. |
| 800 | 3.84 | 34.311 | 793 | 27.278 | 87.1 | 3.78 | 79.8 | 11.26 | 35.69 | .38 | 1478. |
| 900 | 3.60 | 34.355 | 892 | 27.336 | 82.0 | 3.54 | 74.2 | 12.10 | 43.01 | .38 | 1479. |
| 1000 | 3.36 | 34.393 | 990 | 27.390 | 77.1 | 3.29 | 69.1 | 12.90 | 50.71 | .43 | 1480. |
| 1200 | 2.90 | 34.454 | 1188 | 27.481 | 68.7 | 2.81 | 60.4 | 14.35 | 66.98 | .61 | 1481. |



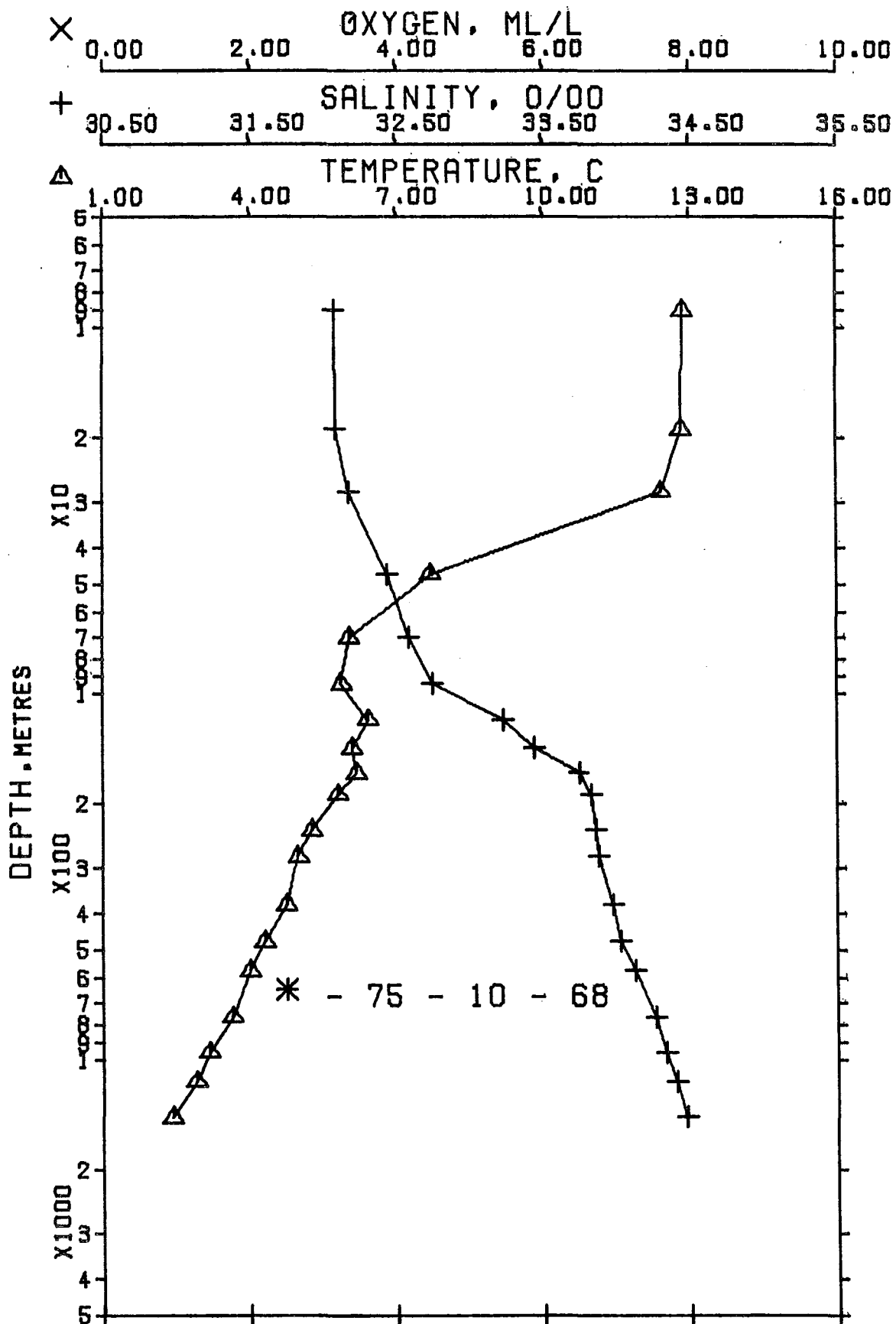
OFFSHORE OCEANOGRAPHY GROUP
 REFERENCE NO. 75- 10- 16 DATE 23/ 8/75 GMT 16.8
 POSITION 50- .0 N, 145- .0 W STATION P
 HYDROGRAPHIC CAST DATA

OBSERVED DATA

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | THETA | SVA (THETA) | DELTA D | POT. EN | OXY | SOUND |
|-------|-------|--------|-------|------------|-------|-------|----------------|------------|------------|------|-------|
| 0 | 11.15 | 32.542 | 0 | 24.860 | 310.0 | 11.15 | 310.0 | .00 | .00 | 6.62 | 1491. |
| 10 | 11.12 | 32.543 | 10 | 24.866 | 309.6 | 11.12 | 309.4 | .31 | .02 | 6.55 | 1491. |
| 19 | 11.09 | 32.542 | 19 | 24.871 | 309.4 | 11.09 | 308.9 | .59 | .06 | 6.53 | 1491. |
| 29 | 11.01 | 32.543 | 29 | 24.886 | 308.1 | 11.01 | 307.5 | .91 | .14 | 6.56 | 1491. |
| 48 | 6.88 | 32.690 | 48 | 25.641 | 236.3 | 6.88 | 235.6 | 1.43 | .34 | 7.09 | 1476. |
| 72 | 5.39 | 32.733 | 72 | 25.860 | 215.6 | 5.38 | 214.8 | 1.97 | .67 | 7.14 | 1471. |
| 98 | 4.94 | 32.715 | 97 | 25.897 | 212.3 | 4.93 | 211.3 | 2.52 | 1.15 | 7.12 | 1469. |
| 122 | 4.80 | 33.063 | 121 | 26.187 | 184.9 | 4.79 | 183.7 | 3.00 | 1.68 | 6.30 | 1470. |
| 146 | 4.71 | 33.498 | 145 | 26.541 | 151.6 | 4.70 | 150.1 | 3.40 | 2.23 | 4.96 | 1470. |
| 170 | 4.68 | 33.722 | 169 | 26.722 | 134.7 | 4.67 | 132.9 | 3.75 | 2.79 | 3.99 | 1471. |
| 194 | 4.47 | 33.797 | 193 | 26.804 | 127.1 | 4.46 | 125.1 | 4.06 | 3.38 | 3.49 | 1470. |
| 243 | 4.18 | 33.836 | 241 | 26.865 | 121.5 | 4.16 | 119.3 | 4.66 | 4.72 | 2.62 | 1470. |

INTERPOLATED TO STANDARD PRESSURE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | THETA | SVA (THETA) | DELTA D | POT. EN | OXY | SOUND |
|-------|-------|--------|-------|------------|-------|-------|----------------|------------|------------|------|-------|
| 0 | 11.15 | 32.542 | 0 | 24.860 | 310.0 | 11.15 | 310.0 | .00 | .00 | 6.62 | 1491. |
| 10 | 11.12 | 32.543 | 10 | 24.866 | 309.6 | 11.12 | 309.4 | .31 | .02 | 6.55 | 1491. |
| 20 | 11.08 | 32.542 | 20 | 24.872 | 309.2 | 11.08 | 308.8 | .62 | .06 | 6.53 | 1491. |
| 30 | 10.78 | 32.551 | 30 | 24.933 | 303.7 | 10.78 | 303.0 | .93 | .14 | 6.59 | 1491. |
| 50 | 6.75 | 32.694 | 50 | 25.661 | 234.4 | 6.75 | 233.7 | 1.47 | .36 | 7.10 | 1476. |
| 75 | 5.34 | 32.731 | 75 | 25.865 | 215.2 | 5.33 | 214.4 | 2.03 | .71 | 7.14 | 1471. |
| 100 | 4.92 | 32.753 | 99 | 25.929 | 209.3 | 4.92 | 208.3 | 2.57 | 1.20 | 7.03 | 1469. |
| 125 | 4.79 | 33.126 | 124 | 26.238 | 180.1 | 4.78 | 178.8 | 3.05 | 1.76 | 6.11 | 1470. |
| 150 | 4.70 | 33.538 | 149 | 26.573 | 148.6 | 4.69 | 147.0 | 3.46 | 2.33 | 4.79 | 1470. |
| 175 | 4.64 | 33.738 | 174 | 26.739 | 133.1 | 4.62 | 131.3 | 3.81 | 2.90 | 3.89 | 1471. |
| 200 | 4.43 | 33.802 | 199 | 26.812 | 126.4 | 4.42 | 124.4 | 4.13 | 3.52 | 3.38 | 1470. |
| 225 | 4.28 | 33.823 | 224 | 26.845 | 123.4 | 4.26 | 121.3 | 4.45 | 4.20 | 2.92 | 1470. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75- 10- 68 DATE 7/ 9/75 GMT 18.8

POSITION 52-14.0 N, 133-40.0 W

STATION 76

HYDROGRAPHIC CAST DATA

OBSERVED DATA

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | THETA | SVA (THETA) | DELTA D | POT. EN | OXY | SOUND |
|-------|-------|--------|-------|------------|-------|-------|----------------|------------|------------|-----|-------|
| 0 | 12.91 | 32.089 | 0 | 24.182 | 374.6 | 12.91 | 374.6 | .00 | .00 | .00 | 1497. |
| 9 | 12.89 | 32.087 | 9 | 24.184 | 374.6 | 12.89 | 374.3 | .34 | .02 | .00 | 1497. |
| 19 | 12.87 | 32.093 | 19 | 24.193 | 374.0 | 12.87 | 373.5 | .72 | .07 | .00 | 1497. |
| 28 | 12.46 | 32.189 | 28 | 24.346 | 359.6 | 12.46 | 358.9 | 1.05 | .15 | .00 | 1496. |
| 47 | 7.70 | 32.444 | 47 | 25.336 | 265.4 | 7.70 | 264.7 | 1.65 | .38 | .00 | 1479. |
| 70 | 6.06 | 32.597 | 70 | 25.673 | 233.5 | 6.05 | 232.6 | 2.22 | .72 | .00 | 1473. |
| 95 | 5.89 | 32.755 | 94 | 25.818 | 219.9 | 5.88 | 218.8 | 2.77 | 1.18 | .00 | 1473. |
| 119 | 6.43 | 33.236 | 118 | 26.129 | 190.9 | 6.42 | 189.2 | 3.26 | 1.72 | .00 | 1476. |
| 142 | 6.10 | 33.448 | 141 | 26.338 | 171.3 | 6.09 | 169.3 | 3.68 | 2.27 | .00 | 1476. |
| 166 | 6.21 | 33.750 | 165 | 26.562 | 150.4 | 6.20 | 148.1 | 4.07 | 2.88 | .00 | 1477. |
| 190 | 5.82 | 33.832 | 189 | 26.675 | 139.8 | 5.80 | 137.3 | 4.42 | 3.52 | .00 | 1476. |
| 239 | 5.27 | 33.864 | 237 | 26.767 | 131.5 | 5.25 | 128.6 | 5.08 | 4.95 | .00 | 1474. |
| 281 | 4.99 | 33.890 | 279 | 26.820 | 126.7 | 4.97 | 123.5 | 5.62 | 6.40 | .00 | 1474. |
| 381 | 4.75 | 33.988 | 378 | 26.924 | 117.7 | 4.72 | 113.5 | 6.84 | 10.50 | .00 | 1475. |
| 480 | 4.33 | 34.039 | 476 | 27.011 | 110.1 | 4.29 | 105.3 | 7.97 | 15.44 | .00 | 1475. |
| 577 | 4.01 | 34.131 | 572 | 27.117 | 100.6 | 3.97 | 95.2 | 8.99 | 20.92 | .00 | 1475. |
| 771 | 3.66 | 34.273 | 764 | 27.265 | 87.7 | 3.60 | 81.0 | 10.81 | 33.39 | .00 | 1477. |
| 964 | 3.19 | 34.348 | 955 | 27.370 | 78.3 | 3.12 | 71.0 | 12.41 | 47.52 | .00 | 1478. |
| 1158 | 2.91 | 34.411 | 1146 | 27.446 | 71.8 | 2.83 | 63.7 | 13.86 | 63.19 | .00 | 1480. |
| 1455 | 2.44 | 34.485 | 1439 | 27.546 | 62.6 | 2.34 | 54.2 | 15.85 | 89.63 | .00 | 1483. |

INTERPOLATED TO STANDARD PRESSURE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | THETA | SVA (THETA) | DELTA D | POT. EN | OXY | SOUND |
|-------|-------|--------|-------|------------|-------|-------|----------------|------------|------------|-----|-------|
| 0 | 12.91 | 32.089 | 0 | 24.182 | 374.6 | 12.91 | 374.6 | .00 | .00 | .00 | 1497. |
| 10 | 12.89 | 32.088 | 10 | 24.185 | 374.5 | 12.89 | 374.2 | .37 | .02 | .00 | 1497. |
| 20 | 12.82 | 32.104 | 20 | 24.211 | 372.3 | 12.82 | 371.8 | .75 | .08 | .00 | 1497. |
| 30 | 11.88 | 32.220 | 30 | 24.479 | 346.9 | 11.87 | 346.2 | 1.12 | .17 | .00 | 1494. |
| 50 | 7.47 | 32.466 | 50 | 25.385 | 260.7 | 7.46 | 260.0 | 1.72 | .41 | .00 | 1478. |
| 75 | 6.02 | 32.631 | 75 | 25.704 | 230.5 | 6.02 | 229.6 | 2.33 | .80 | .00 | 1473. |
| 100 | 6.02 | 32.873 | 99 | 25.895 | 212.7 | 6.01 | 211.5 | 2.89 | 1.30 | .00 | 1474. |
| 125 | 6.33 | 33.297 | 124 | 26.189 | 185.2 | 6.32 | 183.5 | 3.38 | 1.86 | .00 | 1476. |
| 150 | 6.14 | 33.554 | 149 | 26.417 | 163.9 | 6.13 | 161.9 | 3.82 | 2.48 | .00 | 1476. |
| 175 | 6.06 | 33.781 | 174 | 26.606 | 146.3 | 6.05 | 143.9 | 4.20 | 3.11 | .00 | 1477. |
| 200 | 5.70 | 33.839 | 199 | 26.696 | 137.9 | 5.68 | 135.3 | 4.56 | 3.78 | .00 | 1476. |
| 225 | 5.41 | 33.856 | 224 | 26.743 | 133.6 | 5.40 | 130.8 | 4.90 | 4.52 | .00 | 1475. |
| 250 | 5.19 | 33.871 | 249 | 26.782 | 130.1 | 5.17 | 127.1 | 5.22 | 5.32 | .00 | 1474. |
| 300 | 4.94 | 33.911 | 298 | 26.842 | 124.8 | 4.91 | 121.4 | 5.86 | 7.10 | .00 | 1474. |
| 400 | 4.66 | 33.999 | 397 | 26.943 | 116.1 | 4.63 | 111.8 | 7.06 | 11.39 | .00 | 1475. |
| 500 | 4.26 | 34.059 | 496 | 27.034 | 108.0 | 4.22 | 103.0 | 8.19 | 16.53 | .00 | 1475. |
| 600 | 3.96 | 34.150 | 595 | 27.137 | 98.8 | 3.92 | 93.2 | 9.22 | 22.30 | .00 | 1475. |
| 700 | 3.78 | 34.226 | 694 | 27.216 | 91.9 | 3.73 | 85.7 | 10.17 | 28.62 | .00 | 1476. |
| 800 | 3.58 | 34.285 | 793 | 27.283 | 86.1 | 3.52 | 79.4 | 11.06 | 35.41 | .00 | 1477. |
| 900 | 3.33 | 34.325 | 892 | 27.338 | 81.2 | 3.27 | 74.1 | 11.90 | 42.65 | .00 | 1478. |
| 1000 | 3.13 | 34.361 | 990 | 27.385 | 77.0 | 3.06 | 69.6 | 12.69 | 50.29 | .00 | 1479. |
| 1200 | 2.84 | 34.423 | 1188 | 27.462 | 70.3 | 2.75 | 62.2 | 14.16 | 66.79 | .00 | 1481. |

THIS PAGE IS BLANK

RESULTS OF STD OBSERVATIONS

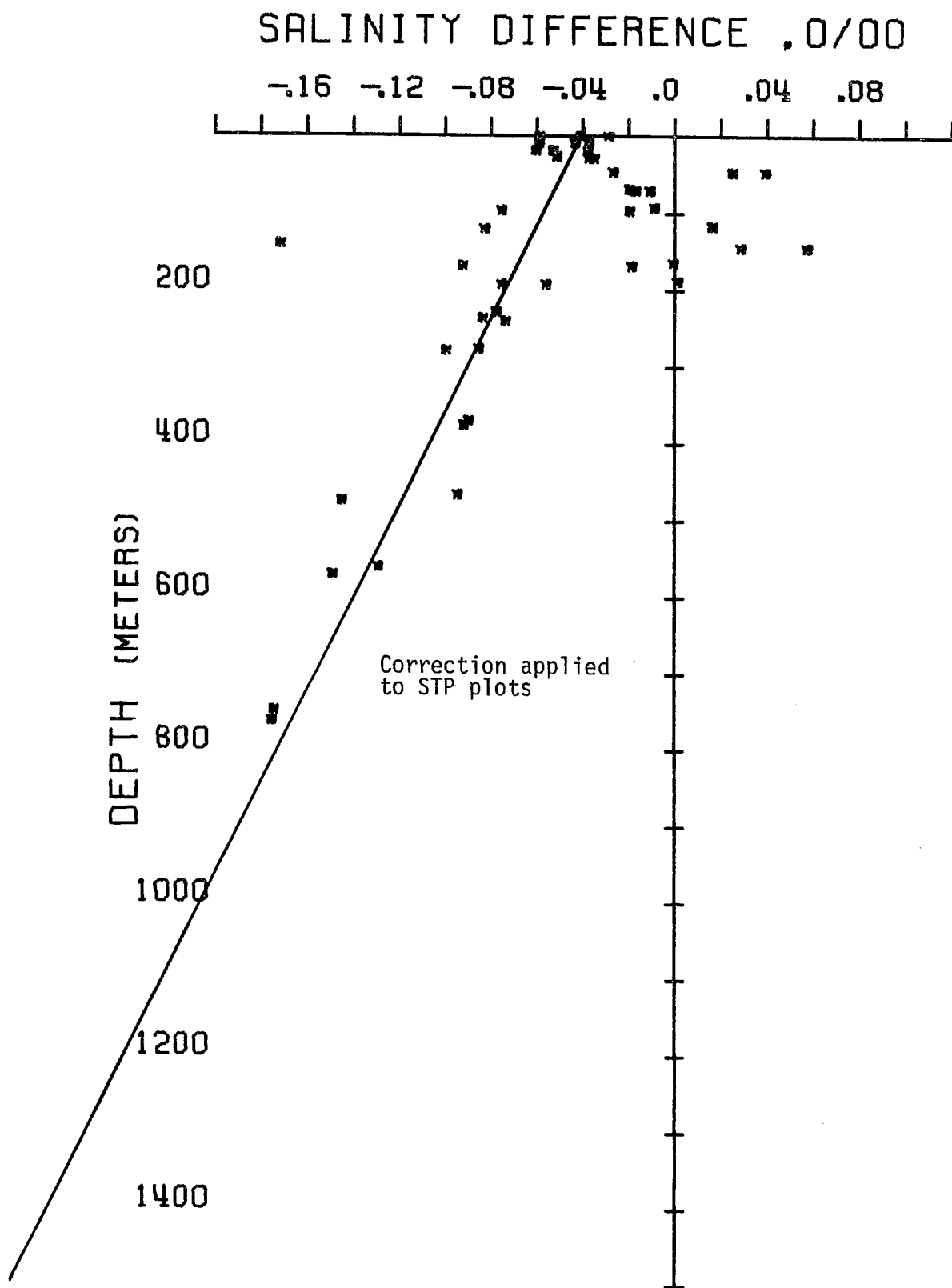


Fig. 2 Salinity difference between hydro data and STP.

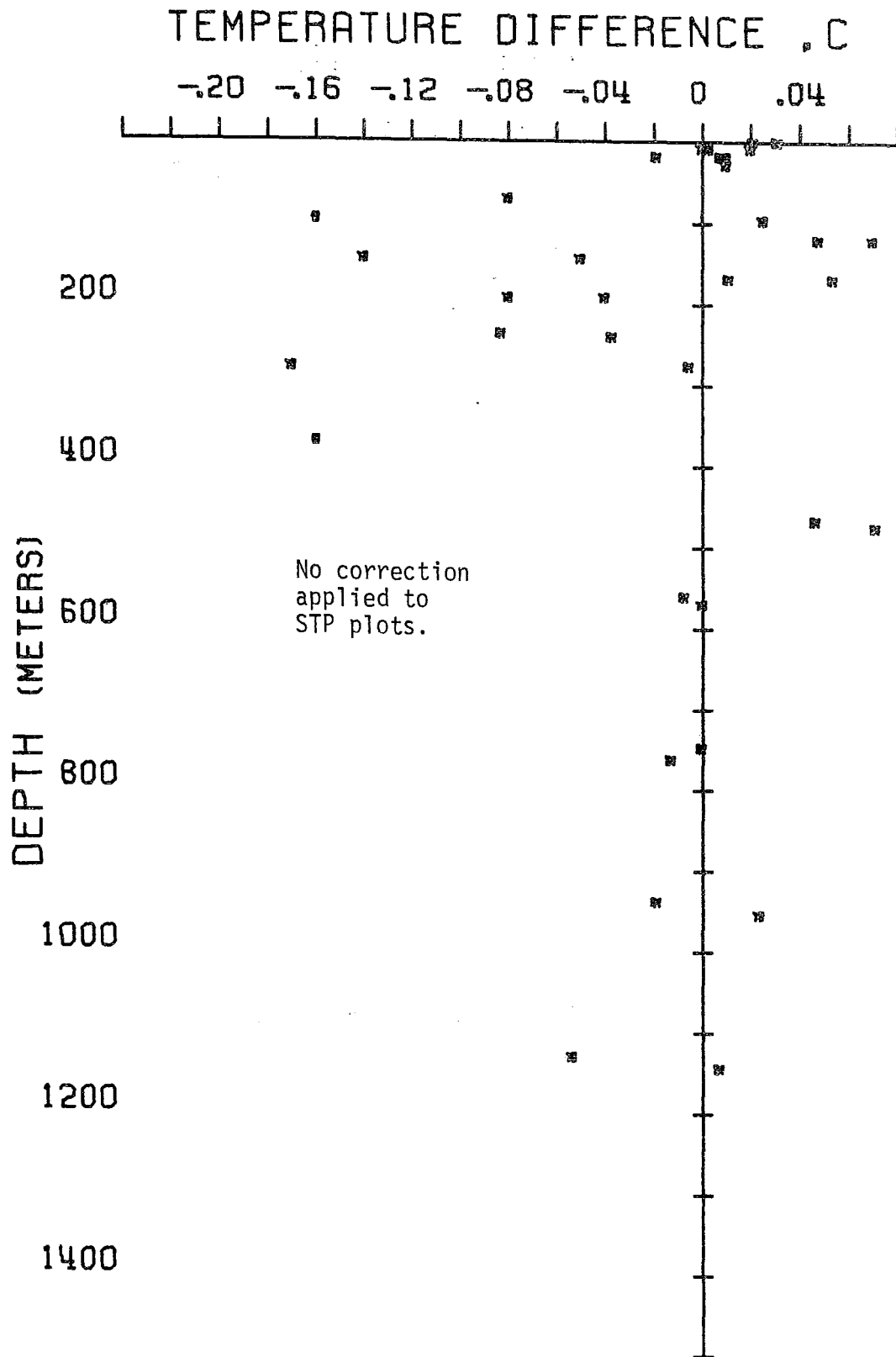
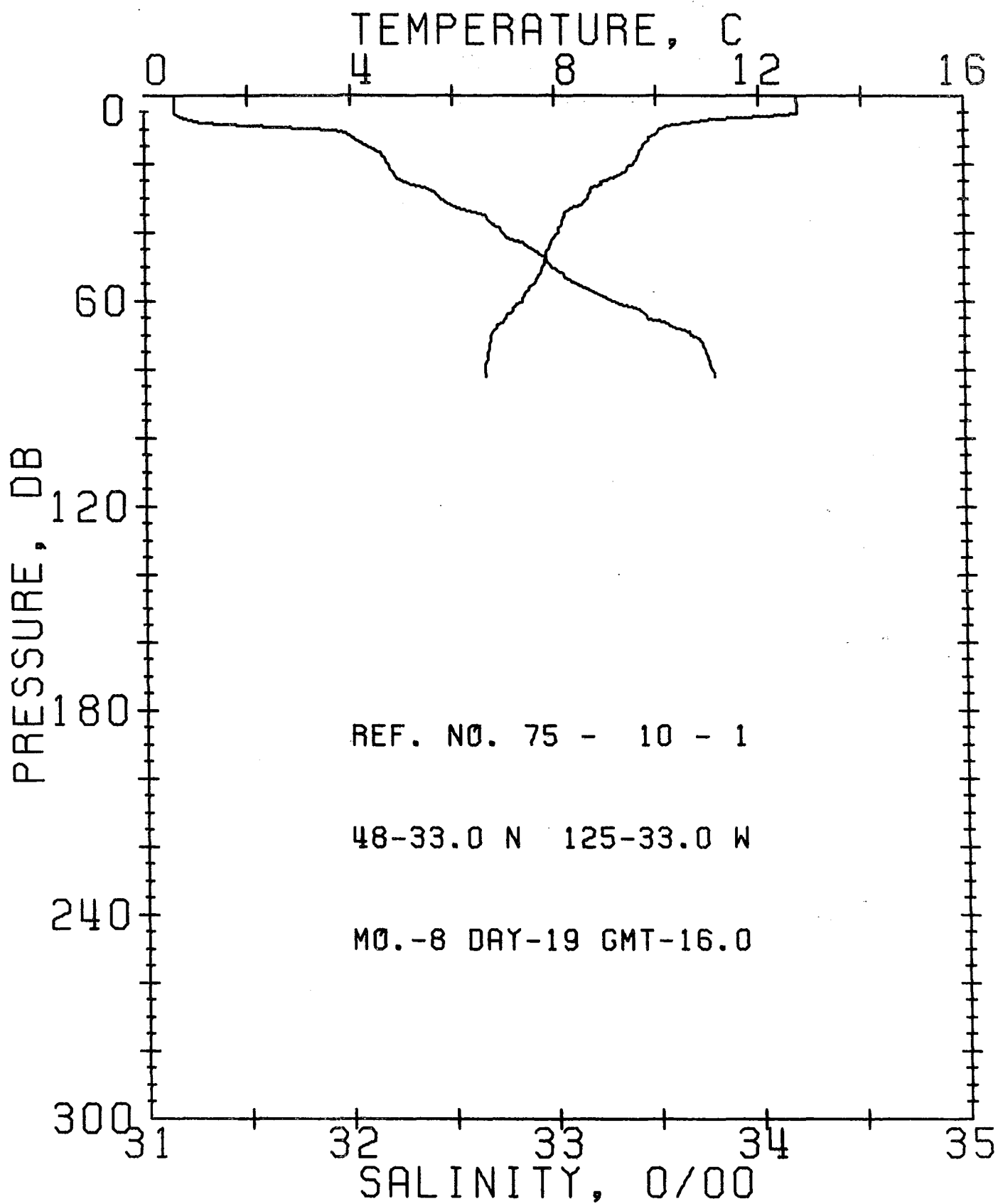


Fig. 3 Temperature difference between hydro data and STP.



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 1

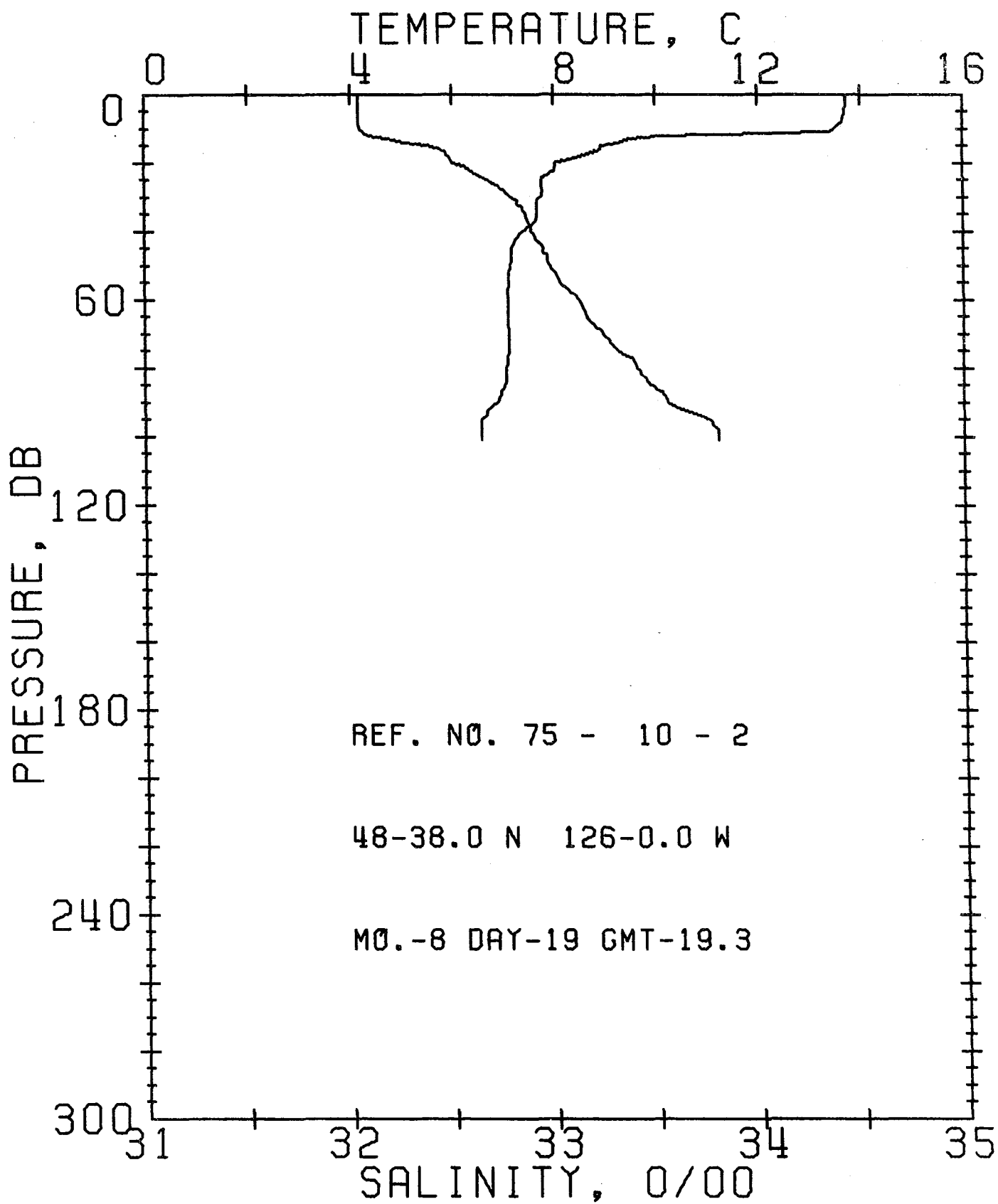
DATE 19/ 8/75

POSITION 48-33.0N, 125-33.0W GMT 16.0

RESULTS OF STP CAST 74 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 12.75 | 31.15 | 0 | 23.49 | 440.8 | 0.0 | 0.0 | 1495. |
| 10 | 10.07 | 31.93 | 10 | 24.57 | 338.0 | 0.42 | 0.02 | 1487. |
| 20 | 9.54 | 32.18 | 20 | 24.85 | 311.3 | 0.74 | 0.07 | 1485. |
| 30 | 8.66 | 32.44 | 30 | 25.19 | 279.1 | 1.04 | 0.14 | 1483. |
| 50 | 7.79 | 32.99 | 50 | 25.75 | 226.2 | 1.53 | 0.35 | 1480. |
| 75 | 6.69 | 33.74 | 75 | 26.49 | 156.1 | 2.01 | 0.64 | 1477. |

| DEPTH | TEMP | SAL | DEPTH | TEMP | SAL |
|-------|-------|-------|-------|------|-------|
| 0. | 12.75 | 31.15 | 40. | 8.07 | 32.74 |
| 2. | 12.75 | 31.15 | 41. | 8.02 | 32.75 |
| 3. | 12.77 | 31.15 | 42. | 7.98 | 32.78 |
| 4. | 12.76 | 31.15 | 43. | 7.95 | 32.84 |
| 5. | 12.77 | 31.15 | 44. | 7.91 | 32.87 |
| 6. | 12.17 | 31.17 | 45. | 7.88 | 32.90 |
| 7. | 11.15 | 31.20 | 46. | 7.84 | 32.92 |
| 8. | 10.61 | 31.28 | 47. | 7.83 | 32.95 |
| 9. | 10.22 | 31.51 | 49. | 7.81 | 32.97 |
| 10. | 10.07 | 31.93 | 50. | 7.79 | 32.99 |
| 11. | 10.04 | 31.98 | 51. | 7.76 | 33.01 |
| 12. | 9.90 | 32.01 | 52. | 7.73 | 33.04 |
| 13. | 9.86 | 32.03 | 53. | 7.69 | 33.05 |
| 14. | 9.78 | 32.06 | 54. | 7.66 | 33.08 |
| 15. | 9.75 | 32.09 | 55. | 7.60 | 33.10 |
| 16. | 9.70 | 32.13 | 56. | 7.53 | 33.15 |
| 17. | 9.67 | 32.15 | 57. | 7.49 | 33.18 |
| 18. | 9.66 | 32.16 | 58. | 7.42 | 33.22 |
| 19. | 9.63 | 32.17 | 60. | 7.37 | 33.29 |
| 20. | 9.54 | 32.18 | 61. | 7.24 | 33.32 |
| 21. | 9.47 | 32.19 | 62. | 7.19 | 33.40 |
| 22. | 9.40 | 32.20 | 63. | 7.16 | 33.43 |
| 24. | 9.14 | 32.23 | 64. | 7.07 | 33.45 |
| 25. | 8.94 | 32.27 | 65. | 7.04 | 33.46 |
| 26. | 8.92 | 32.30 | 66. | 6.99 | 33.54 |
| 27. | 8.74 | 32.36 | 67. | 6.87 | 33.56 |
| 28. | 8.72 | 32.41 | 68. | 6.85 | 33.60 |
| 30. | 8.66 | 32.44 | 69. | 6.79 | 33.66 |
| 31. | 8.61 | 32.46 | 70. | 6.76 | 33.67 |
| 32. | 8.53 | 32.50 | 71. | 6.74 | 33.71 |
| 33. | 8.32 | 32.53 | 72. | 6.74 | 33.72 |
| 34. | 8.24 | 32.60 | 73. | 6.71 | 33.73 |
| 35. | 8.22 | 32.66 | 77. | 6.68 | 33.75 |
| 36. | 8.20 | 32.67 | 78. | 6.66 | 33.76 |
| 37. | 8.15 | 32.68 | 79. | 6.64 | 33.76 |
| 38. | 8.12 | 32.71 | 81. | 6.64 | 33.78 |
| 39. | 8.09 | 32.73 | 82. | 6.64 | 33.78 |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 2

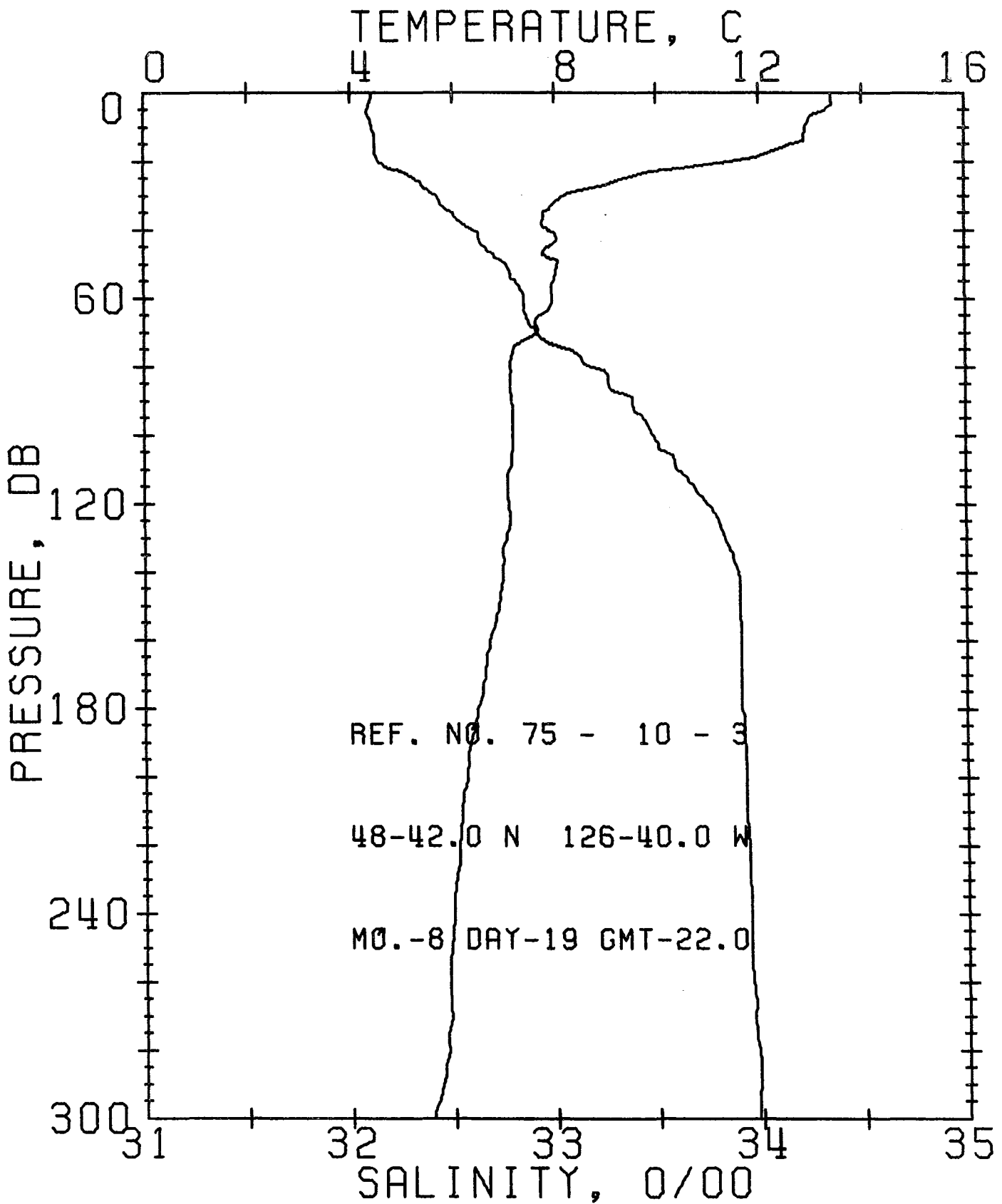
DATE 19/ 8/75

POSITION 48-38.0N, 126- 0.0W GMT 19.3

RESULTS OF STP CAST 78 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TFMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 13.73 | 32.04 | 0 | 23.98 | 393.7 | 0.0 | 0.0 | 1500. |
| 10 | 13.49 | 32.05 | 10 | 24.04 | 388.8 | 0.39 | 0.02 | 1499. |
| 20 | 8.03 | 32.51 | 20 | 25.34 | 264.8 | 0.70 | 0.07 | 1480. |
| 30 | 7.73 | 32.79 | 30 | 25.60 | 240.0 | 0.95 | 0.13 | 1479. |
| 50 | 7.15 | 32.98 | 50 | 25.83 | 218.3 | 1.40 | 0.31 | 1478. |
| 75 | 7.11 | 33.32 | 75 | 26.11 | 192.9 | 1.92 | 0.64 | 1479. |
| 100 | 6.55 | 33.80 | 99 | 26.56 | 150.2 | 2.35 | 1.02 | 1477. |

| DEPTH | TEMP | SAL | DEPTH | TEMP | SAL |
|-------|-------|-------|-------|------|-------|
| 0. | 13.73 | 32.04 | 43. | 7.26 | 32.92 |
| 2. | 13.73 | 32.04 | 44. | 7.20 | 32.94 |
| 3. | 13.73 | 32.04 | 45. | 7.18 | 32.95 |
| 5. | 13.71 | 32.04 | 46. | 7.17 | 32.95 |
| 6. | 13.71 | 32.04 | 47. | 7.16 | 32.97 |
| 7. | 13.68 | 32.04 | 49. | 7.16 | 32.97 |
| 8. | 13.64 | 32.04 | 50. | 7.15 | 32.98 |
| 9. | 13.56 | 32.04 | 51. | 7.14 | 32.99 |
| 10. | 13.49 | 32.05 | 52. | 7.13 | 33.01 |
| 11. | 13.42 | 32.06 | 55. | 7.13 | 33.03 |
| 12. | 10.09 | 32.09 | 59. | 7.09 | 33.11 |
| 13. | 9.53 | 32.18 | 60. | 7.09 | 33.12 |
| 14. | 9.29 | 32.27 | 62. | 7.09 | 33.14 |
| 15. | 8.96 | 32.38 | 65. | 7.10 | 33.16 |
| 16. | 8.94 | 32.45 | 68. | 7.10 | 33.21 |
| 17. | 8.77 | 32.47 | 69. | 7.12 | 33.23 |
| 18. | 8.54 | 32.48 | 70. | 7.12 | 33.24 |
| 20. | 8.03 | 32.51 | 74. | 7.12 | 33.30 |
| 21. | 8.05 | 32.56 | 76. | 7.11 | 33.34 |
| 22. | 8.02 | 32.59 | 77. | 7.10 | 33.38 |
| 23. | 7.94 | 32.61 | 79. | 7.09 | 33.40 |
| 24. | 7.78 | 32.65 | 80. | 7.08 | 33.41 |
| 25. | 7.75 | 32.68 | 83. | 7.07 | 33.45 |
| 26. | 7.76 | 32.71 | 84. | 7.06 | 33.46 |
| 27. | 7.77 | 32.73 | 85. | 7.05 | 33.49 |
| 28. | 7.78 | 32.75 | 86. | 7.00 | 33.50 |
| 29. | 7.78 | 32.77 | 87. | 6.95 | 33.53 |
| 30. | 7.73 | 32.79 | 88. | 6.95 | 33.54 |
| 31. | 7.68 | 32.82 | 89. | 6.93 | 33.55 |
| 32. | 7.68 | 32.82 | 90. | 6.89 | 33.56 |
| 33. | 7.67 | 32.84 | 91. | 6.79 | 33.58 |
| 34. | 7.67 | 32.85 | 92. | 6.72 | 33.63 |
| 35. | 7.67 | 32.86 | 93. | 6.69 | 33.67 |
| 36. | 7.69 | 32.86 | 94. | 6.63 | 33.73 |
| 37. | 7.65 | 32.87 | 95. | 6.57 | 33.76 |
| 38. | 7.57 | 32.88 | 97. | 6.56 | 33.78 |
| 40. | 7.39 | 32.89 | 98. | 6.55 | 33.80 |
| 41. | 7.33 | 32.90 | 100. | 6.55 | 33.80 |
| 42. | 7.29 | 32.91 | 101. | 6.55 | 33.80 |



OFFSHORE OCEANOGRAPHY GROUP

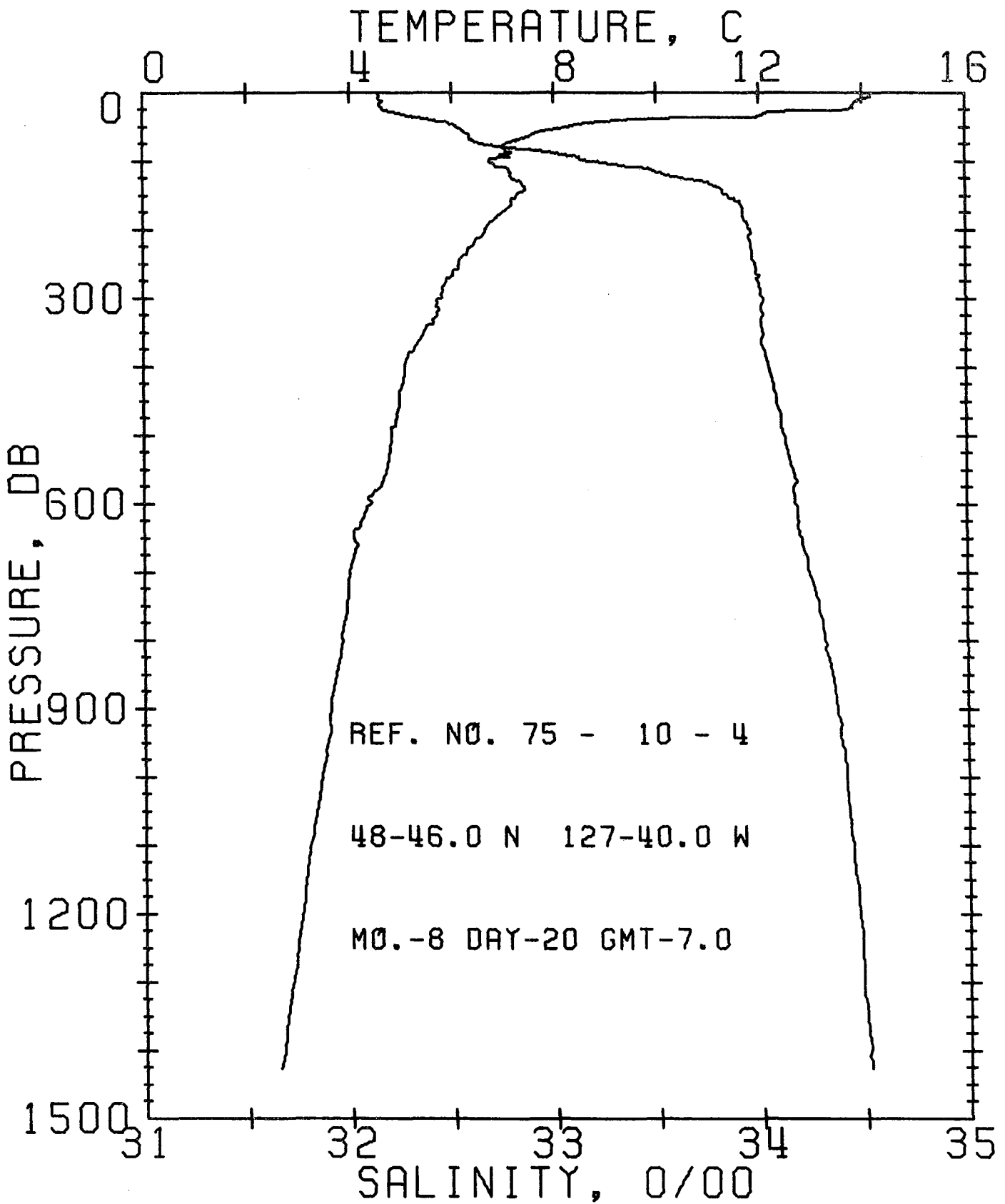
REFERENCE NO. 75-10- 3

DATE 19/ 8/75

POSITION 48-42.0N, 126-40.0W GMT 22.0

RESULTS OF STP CAST 158 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | PCT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 13.40 | 32.11 | 0 | 24.10 | 382.3 | 0.0 | 0.0 | 1499. |
| 10 | 12.91 | 32.11 | 10 | 24.20 | 373.5 | 0.38 | 0.02 | 1497. |
| 20 | 11.45 | 32.14 | 20 | 24.50 | 345.4 | 0.75 | 0.07 | 1492. |
| 30 | 8.17 | 32.42 | 30 | 25.25 | 273.6 | 1.05 | 0.15 | 1481. |
| 50 | 8.06 | 32.76 | 50 | 25.53 | 247.1 | 1.56 | 0.36 | 1481. |
| 75 | 7.17 | 33.09 | 75 | 25.92 | 210.8 | 2.15 | 0.74 | 1478. |
| 100 | 7.18 | 33.48 | 99 | 26.22 | 182.2 | 2.64 | 1.17 | 1479. |
| 125 | 7.11 | 33.80 | 124 | 26.48 | 157.9 | 3.06 | 1.65 | 1480. |
| 150 | 6.89 | 33.90 | 149 | 26.59 | 147.9 | 3.44 | 2.18 | 1480. |
| 175 | 6.55 | 33.91 | 174 | 26.65 | 143.0 | 3.80 | 2.78 | 1479. |
| 200 | 6.23 | 33.93 | 199 | 26.70 | 137.8 | 4.15 | 3.45 | 1478. |
| 225 | 6.07 | 33.94 | 223 | 26.73 | 135.4 | 4.50 | 4.19 | 1478. |
| 250 | 5.92 | 33.95 | 248 | 26.76 | 133.1 | 4.83 | 5.00 | 1477. |
| 300 | 5.56 | 33.98 | 298 | 26.83 | 127.1 | 5.48 | 6.83 | 1477. |



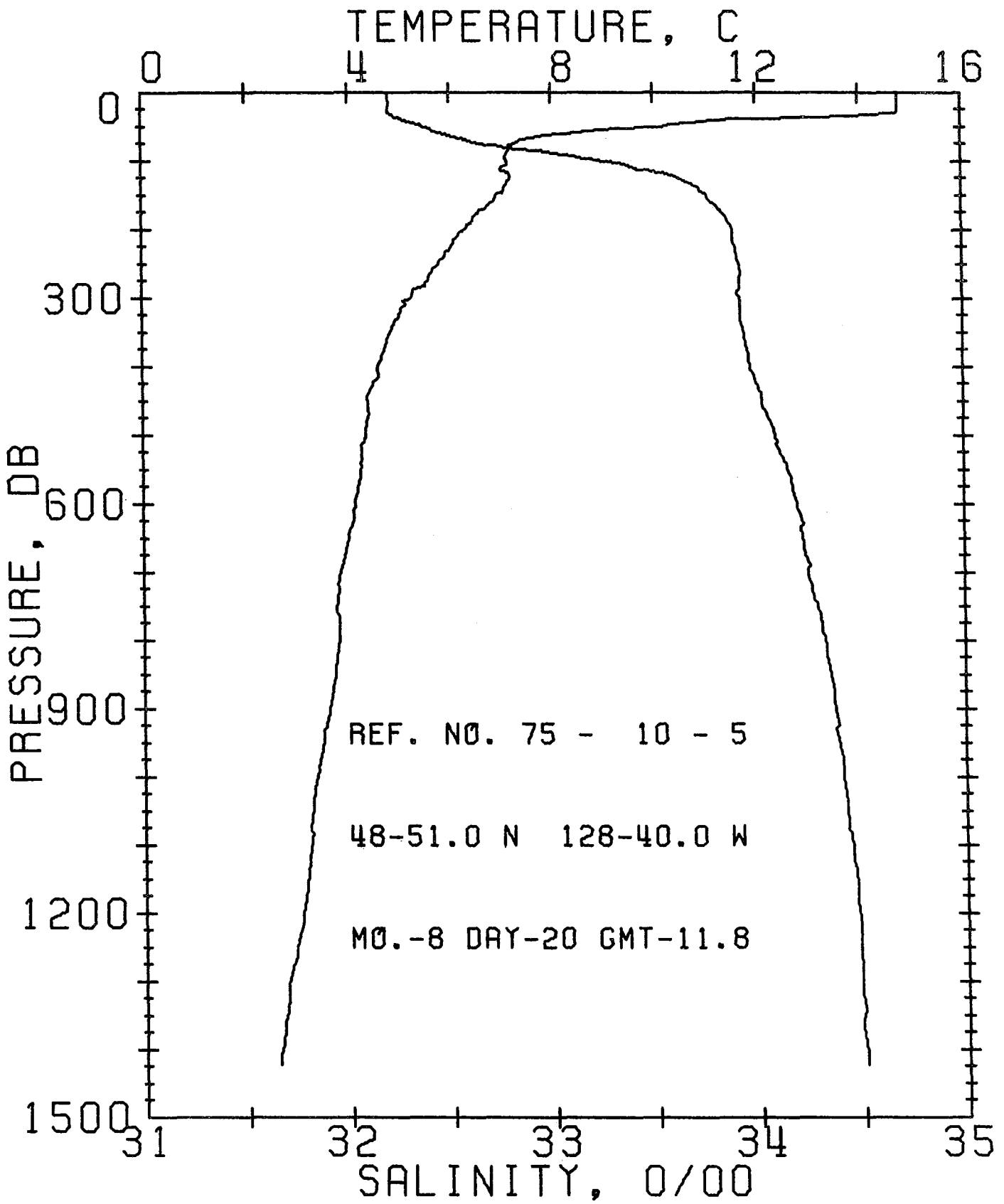
OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 4 DATE 20/ 8/75

POSITION 48-46.0N, 127-40.0W GMT 7.0

RESULTS OF STP CAST 268 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 14.17 | 32.14 | 0 | 23.97 | 394.9 | 0.0 | 0.0 | 1501. |
| 10 | 13.98 | 32.15 | 10 | 24.02 | 390.9 | 0.39 | 0.02 | 1501. |
| 20 | 13.84 | 32.16 | 20 | 24.05 | 387.7 | 0.78 | 0.08 | 1500. |
| 30 | 12.13 | 32.24 | 30 | 24.45 | 350.2 | 1.15 | 0.17 | 1495. |
| 50 | 8.20 | 32.53 | 50 | 25.33 | 266.5 | 1.75 | 0.42 | 1481. |
| 75 | 7.04 | 32.67 | 75 | 25.60 | 240.4 | 2.39 | 0.82 | 1477. |
| 100 | 6.73 | 33.19 | 99 | 26.05 | 198.1 | 2.93 | 1.30 | 1477. |
| 125 | 7.21 | 33.65 | 124 | 26.35 | 170.5 | 3.39 | 1.82 | 1480. |
| 150 | 7.27 | 33.85 | 149 | 26.50 | 156.7 | 3.80 | 2.39 | 1481. |
| 175 | 6.97 | 33.92 | 174 | 26.60 | 147.8 | 4.17 | 3.02 | 1480. |
| 200 | 6.65 | 33.96 | 199 | 26.67 | 141.0 | 4.53 | 3.71 | 1480. |
| 225 | 6.35 | 33.96 | 223 | 26.71 | 137.5 | 4.88 | 4.46 | 1479. |
| 250 | 6.12 | 33.98 | 248 | 26.76 | 133.3 | 5.22 | 5.28 | 1478. |
| 300 | 5.78 | 34.01 | 298 | 26.82 | 127.5 | 5.87 | 7.10 | 1478. |
| 400 | 5.07 | 34.04 | 397 | 26.94 | 117.5 | 7.10 | 11.49 | 1477. |
| 500 | 4.79 | 34.12 | 496 | 27.02 | 109.8 | 8.24 | 16.70 | 1477. |
| 600 | 4.37 | 34.17 | 595 | 27.11 | 102.0 | 9.30 | 22.64 | 1477. |
| 800 | 3.82 | 34.31 | 793 | 27.28 | 86.9 | 11.17 | 35.95 | 1478. |
| 1000 | 3.41 | 34.41 | 991 | 27.40 | 76.5 | 12.80 | 50.84 | 1480. |
| 1200 | 3.01 | 34.47 | 1188 | 27.49 | 68.9 | 14.26 | 67.15 | 1482. |



OFFSHORE OCEANOGRAPHY GROUP

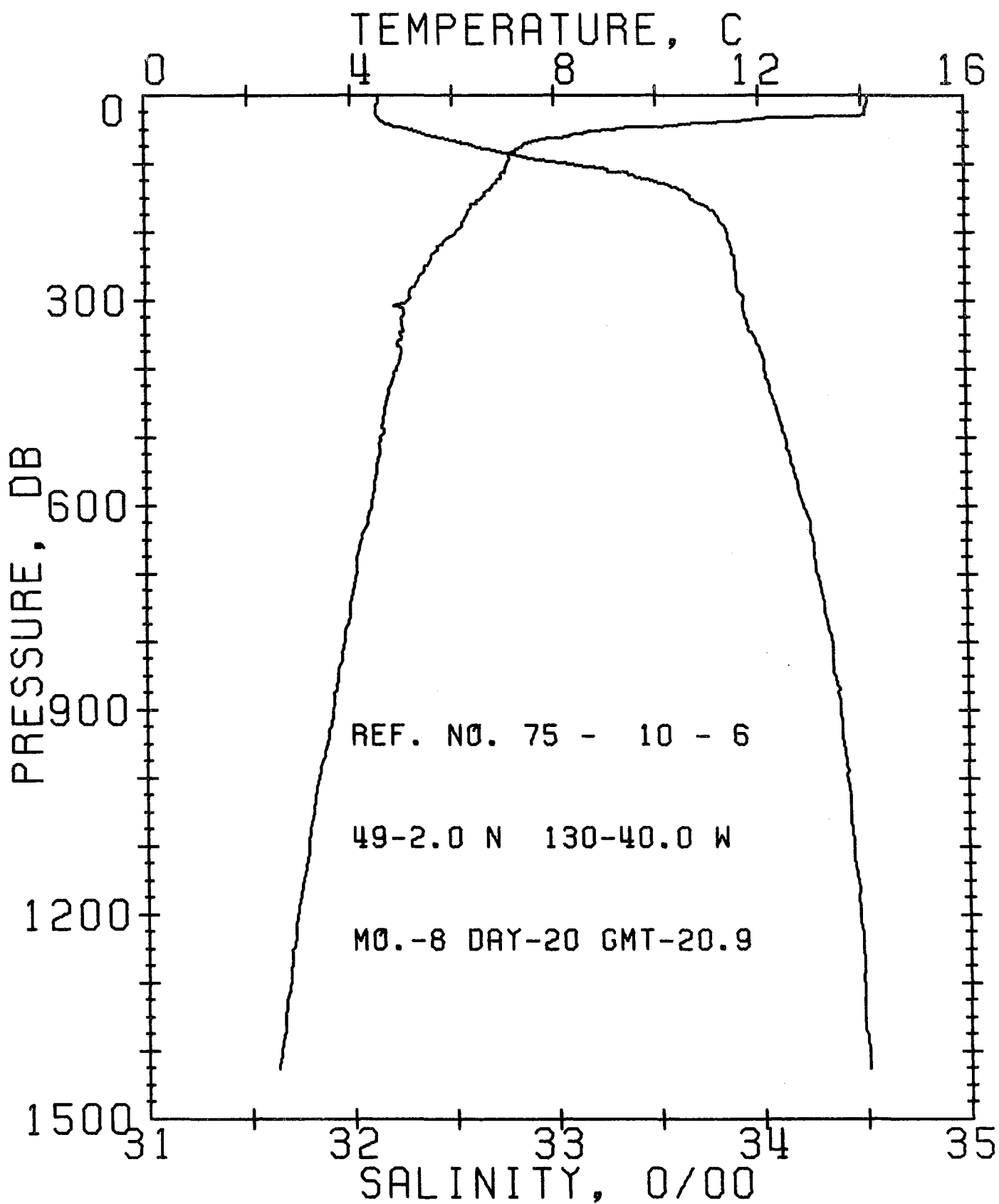
REFERENCE NO. 75-10- 5

DATE 20/ 8/75

POSITION 48-51.0N, 128-40.0W GMT 11.8

RESULTS OF STP CAST 257 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 14.76 | 32.20 | 0 | 23.89 | 402.4 | 0.0 | 0.0 | 1503. |
| 10 | 14.76 | 32.20 | 10 | 23.89 | 402.9 | 0.40 | 0.02 | 1503. |
| 20 | 14.76 | 32.21 | 20 | 23.90 | 402.3 | 0.81 | 0.08 | 1504. |
| 30 | 14.65 | 32.21 | 30 | 23.92 | 400.4 | 1.21 | 0.18 | 1503. |
| 50 | 10.02 | 32.39 | 50 | 24.94 | 303.8 | 1.89 | 0.46 | 1488. |
| 75 | 7.23 | 32.69 | 75 | 25.59 | 241.4 | 2.56 | 0.88 | 1478. |
| 100 | 7.14 | 33.29 | 99 | 26.08 | 195.9 | 3.10 | 1.36 | 1479. |
| 125 | 7.18 | 33.63 | 124 | 26.34 | 171.5 | 3.55 | 1.88 | 1480. |
| 150 | 6.91 | 33.76 | 149 | 26.48 | 158.3 | 3.96 | 2.46 | 1480. |
| 175 | 6.56 | 33.84 | 174 | 26.59 | 148.5 | 4.35 | 3.09 | 1479. |
| 200 | 6.26 | 33.89 | 199 | 26.67 | 141.2 | 4.71 | 3.79 | 1478. |
| 225 | 6.01 | 33.90 | 223 | 26.71 | 137.7 | 5.06 | 4.54 | 1477. |
| 250 | 5.76 | 33.92 | 248 | 26.75 | 133.4 | 5.40 | 5.36 | 1477. |
| 300 | 5.22 | 33.92 | 298 | 26.82 | 127.5 | 6.05 | 7.19 | 1475. |
| 400 | 4.55 | 33.97 | 397 | 26.93 | 117.1 | 7.27 | 11.54 | 1474. |
| 500 | 4.32 | 34.09 | 496 | 27.05 | 106.5 | 8.39 | 16.65 | 1475. |
| 600 | 4.11 | 34.19 | 595 | 27.16 | 97.6 | 9.41 | 22.36 | 1476. |
| 800 | 3.77 | 34.32 | 793 | 27.29 | 85.7 | 11.23 | 35.32 | 1478. |
| 1000 | 3.32 | 34.40 | 991 | 27.40 | 76.2 | 12.85 | 50.10 | 1480. |
| 1200 | 3.05 | 34.48 | 1188 | 27.49 | 68.8 | 14.29 | 66.28 | 1482. |



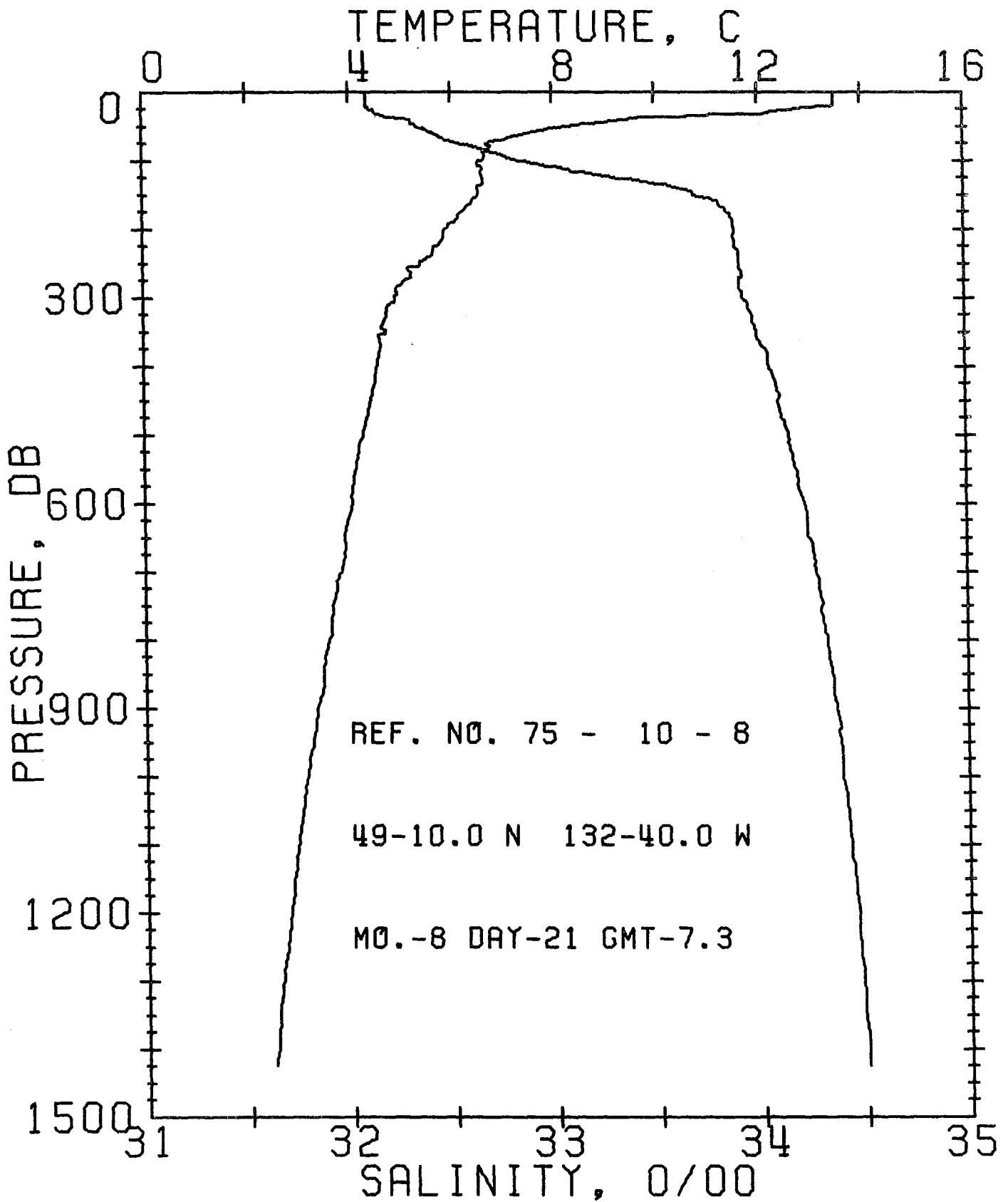
OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 6 DATE 20/ 8/75

POSITION 49- 2.0N, 130-40.0W GMT 20.9

RESULTS OF STP CAST 281 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 14.13 | 32.14 | 0 | 23.98 | 394.2 | 0.0 | 0.0 | 1501. |
| 10 | 14.11 | 32.14 | 10 | 23.98 | 394.2 | 0.39 | 0.02 | 1501. |
| 20 | 14.09 | 32.14 | 20 | 23.99 | 394.1 | 0.79 | 0.08 | 1501. |
| 30 | 13.43 | 32.14 | 30 | 24.12 | 381.6 | 1.18 | 0.18 | 1499. |
| 50 | 9.17 | 32.30 | 50 | 25.00 | 297.4 | 1.85 | 0.45 | 1485. |
| 75 | 7.35 | 32.63 | 75 | 25.53 | 247.2 | 2.52 | 0.88 | 1479. |
| 100 | 7.08 | 33.09 | 99 | 25.93 | 210.0 | 3.09 | 1.39 | 1478. |
| 125 | 6.88 | 33.51 | 124 | 26.29 | 176.4 | 3.57 | 1.93 | 1479. |
| 150 | 6.59 | 33.67 | 149 | 26.45 | 161.1 | 3.99 | 2.52 | 1478. |
| 175 | 6.26 | 33.79 | 174 | 26.59 | 148.1 | 4.38 | 3.15 | 1477. |
| 200 | 6.03 | 33.84 | 199 | 26.66 | 141.9 | 4.74 | 3.85 | 1477. |
| 225 | 5.70 | 33.87 | 223 | 26.72 | 136.3 | 5.09 | 4.60 | 1476. |
| 250 | 5.45 | 33.88 | 248 | 26.76 | 132.6 | 5.42 | 5.41 | 1475. |
| 300 | 5.12 | 33.93 | 298 | 26.84 | 125.5 | 6.07 | 7.22 | 1475. |
| 400 | 4.88 | 34.02 | 397 | 26.94 | 117.1 | 7.28 | 11.55 | 1476. |
| 500 | 4.55 | 34.12 | 496 | 27.05 | 106.9 | 8.40 | 16.66 | 1476. |
| 600 | 4.36 | 34.21 | 595 | 27.15 | 98.9 | 9.43 | 22.44 | 1477. |
| 800 | 3.82 | 34.35 | 793 | 27.31 | 84.5 | 11.26 | 35.42 | 1478. |
| 1000 | 3.32 | 34.41 | 991 | 27.41 | 75.2 | 12.86 | 50.07 | 1480. |
| 1200 | 2.89 | 34.47 | 1188 | 27.50 | 67.5 | 14.28 | 66.04 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

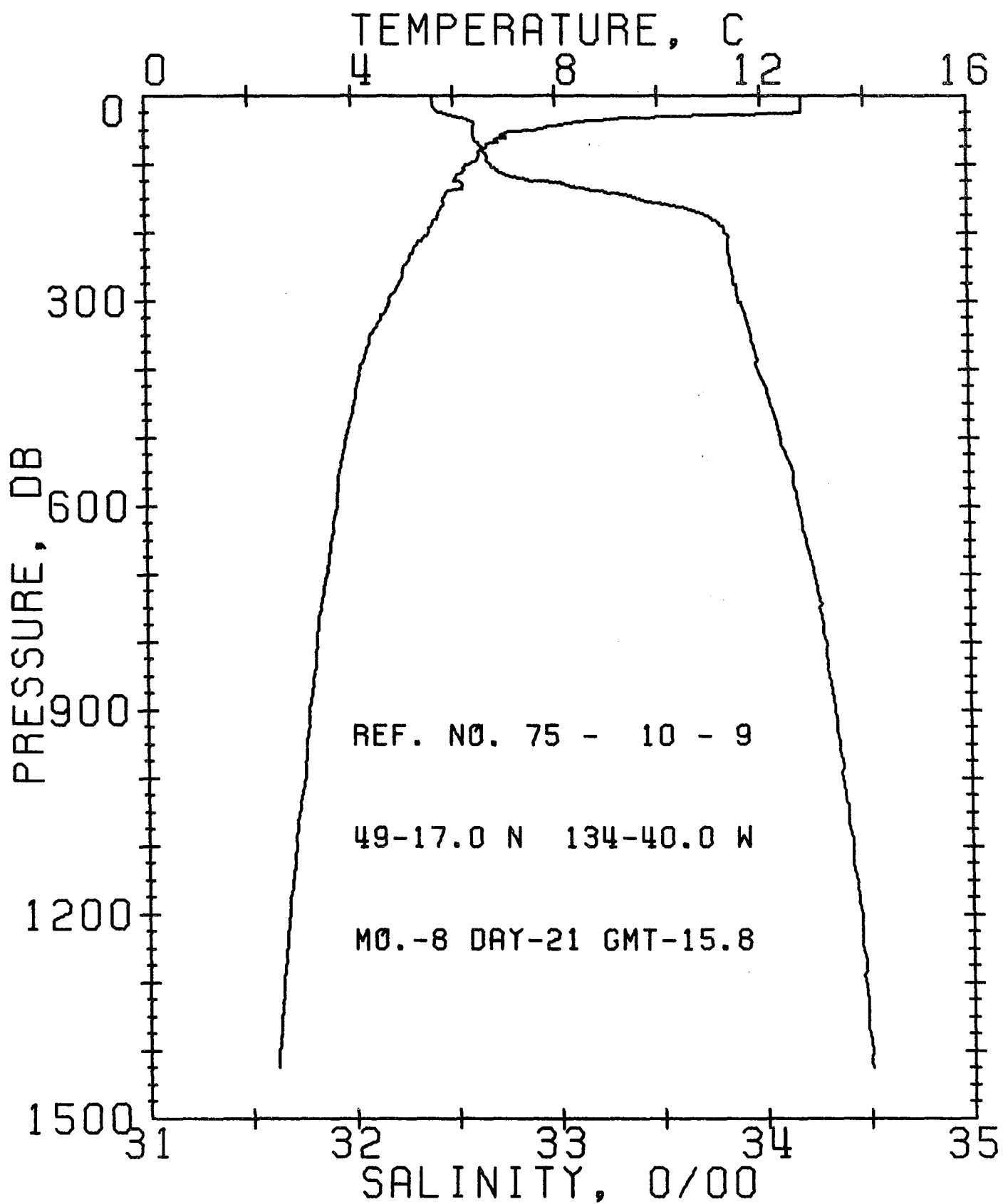
REFERENCE NO. 75-10- 8

DATE 21/ 8/75

POSITION 49-10.0N, 132-40.0W GMT 7.3

RESULTS OF STP CAST 307 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 13.49 | 32.08 | 0 | 24.06 | 386.2 | 0.0 | 0.0 | 1499. |
| 10 | 13.49 | 32.09 | 10 | 24.07 | 385.9 | 0.39 | 0.02 | 1499. |
| 20 | 13.22 | 32.09 | 20 | 24.12 | 381.0 | 0.77 | 0.08 | 1498. |
| 30 | 12.20 | 32.13 | 30 | 24.35 | 359.5 | 1.14 | 0.17 | 1495. |
| 50 | 8.20 | 32.34 | 50 | 25.19 | 279.9 | 1.76 | 0.42 | 1481. |
| 75 | 6.73 | 32.56 | 75 | 25.56 | 244.7 | 2.41 | 0.84 | 1476. |
| 100 | 6.56 | 32.86 | 99 | 25.82 | 220.5 | 2.99 | 1.35 | 1476. |
| 125 | 6.63 | 33.33 | 124 | 26.18 | 186.6 | 3.50 | 1.94 | 1477. |
| 150 | 6.52 | 33.69 | 149 | 26.48 | 158.6 | 3.93 | 2.53 | 1478. |
| 175 | 6.19 | 33.86 | 174 | 26.65 | 142.2 | 4.30 | 3.14 | 1477. |
| 200 | 5.88 | 33.89 | 199 | 26.72 | 136.4 | 4.65 | 3.81 | 1476. |
| 225 | 5.67 | 33.89 | 223 | 26.74 | 134.3 | 4.99 | 4.54 | 1476. |
| 250 | 5.39 | 33.91 | 248 | 26.79 | 129.6 | 5.31 | 5.34 | 1475. |
| 300 | 4.88 | 33.92 | 298 | 26.86 | 123.5 | 5.94 | 7.10 | 1474. |
| 400 | 4.52 | 34.05 | 397 | 27.00 | 110.9 | 7.10 | 11.23 | 1474. |
| 500 | 4.23 | 34.14 | 496 | 27.10 | 101.8 | 8.17 | 16.10 | 1475. |
| 600 | 4.00 | 34.22 | 595 | 27.19 | 94.5 | 9.15 | 21.60 | 1476. |
| 800 | 3.53 | 34.32 | 793 | 27.32 | 83.0 | 10.92 | 34.22 | 1477. |
| 1000 | 3.10 | 34.39 | 990 | 27.41 | 74.5 | 12.49 | 48.59 | 1479. |
| 1200 | 2.76 | 34.46 | 1188 | 27.50 | 66.8 | 13.90 | 64.35 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 9

DATE 21/ 8/75

POSITION 49-17.0N, 134-40.0W GMT 15.8

RESULTS OF STP CAST 270 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | PDT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 12.79 | 32.40 | 0 | 24.45 | 349.5 | 0.0 | 0.0 | 1497. |
| 10 | 12.79 | 32.40 | 10 | 24.45 | 349.9 | 0.35 | 0.02 | 1497. |
| 20 | 12.79 | 32.41 | 20 | 24.46 | 349.2 | 0.70 | 0.07 | 1497. |
| 30 | 10.16 | 32.52 | 30 | 25.01 | 296.0 | 1.03 | 0.16 | 1488. |
| 50 | 7.63 | 32.60 | 50 | 25.47 | 253.1 | 1.56 | 0.37 | 1479. |
| 75 | 6.61 | 32.64 | 75 | 25.64 | 237.2 | 2.17 | 0.76 | 1476. |
| 100 | 6.27 | 32.68 | 99 | 25.72 | 230.0 | 2.76 | 1.28 | 1475. |
| 125 | 6.15 | 33.02 | 124 | 26.00 | 203.7 | 3.31 | 1.92 | 1475. |
| 150 | 5.79 | 33.41 | 149 | 26.35 | 170.6 | 3.78 | 2.57 | 1475. |
| 175 | 5.68 | 33.74 | 174 | 26.62 | 145.1 | 4.17 | 3.22 | 1475. |
| 200 | 5.50 | 33.83 | 199 | 26.71 | 136.3 | 4.52 | 3.89 | 1475. |
| 225 | 5.21 | 33.84 | 223 | 26.76 | 132.5 | 4.86 | 4.61 | 1474. |
| 250 | 5.01 | 33.85 | 248 | 26.79 | 129.6 | 5.18 | 5.40 | 1474. |
| 300 | 4.71 | 33.89 | 298 | 26.85 | 123.9 | 5.82 | 7.18 | 1473. |
| 400 | 4.15 | 33.98 | 397 | 26.98 | 112.1 | 6.99 | 11.34 | 1473. |
| 500 | 3.86 | 34.09 | 496 | 27.10 | 101.7 | 8.05 | 16.22 | 1473. |
| 600 | 3.66 | 34.17 | 595 | 27.19 | 94.1 | 9.03 | 21.67 | 1474. |
| 800 | 3.28 | 34.30 | 793 | 27.33 | 81.5 | 10.77 | 34.10 | 1476. |
| 1000 | 3.02 | 34.37 | 990 | 27.41 | 74.8 | 12.34 | 48.39 | 1478. |
| 1200 | 2.71 | 34.46 | 1188 | 27.50 | 66.2 | 13.74 | 64.14 | 1480. |

TEMPERATURE, C

0 4 8 12 16

PRESSURE, DB

300

600

900

1200

1500

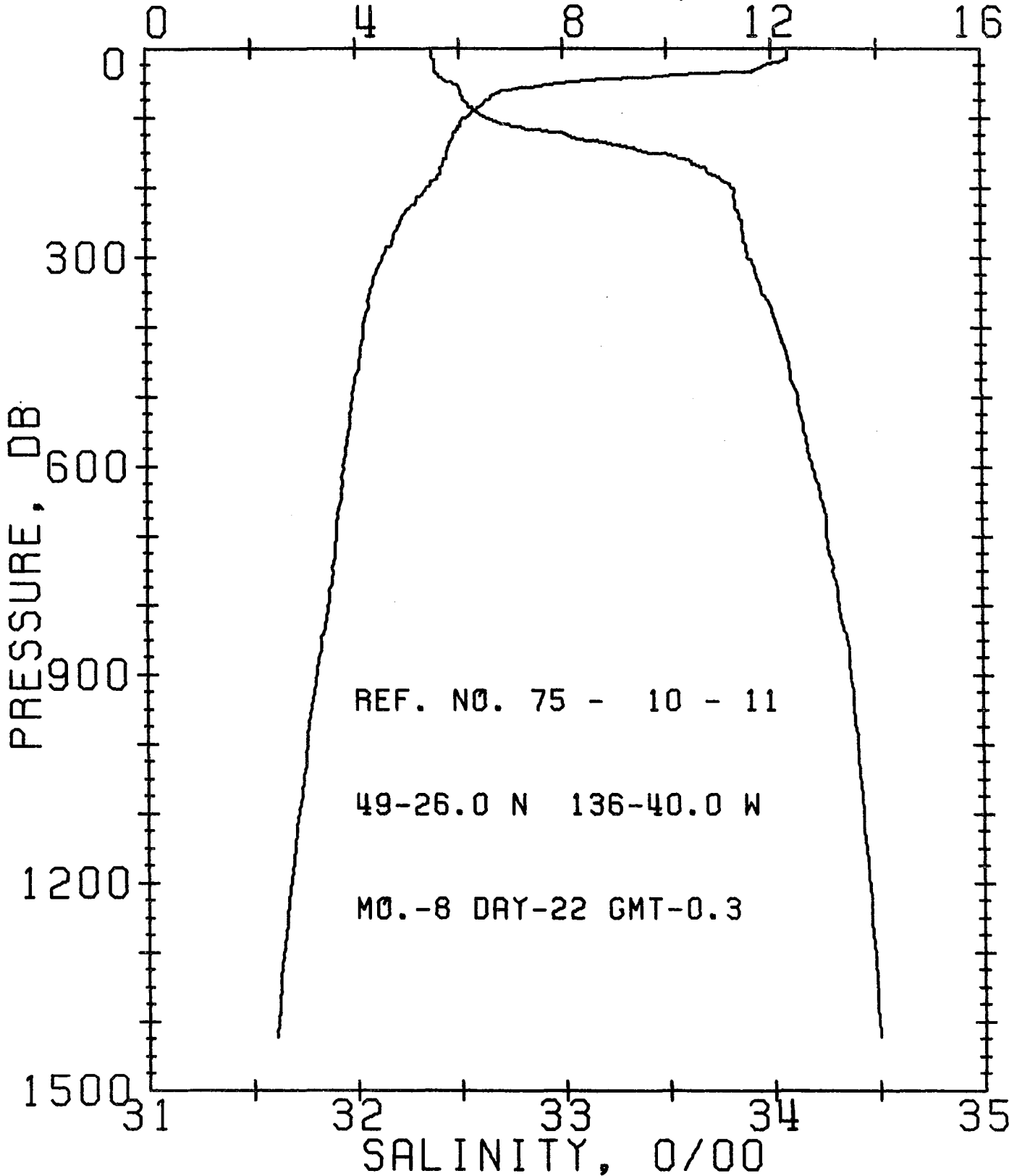
REF. NO. 75 - 10 - 11

49-26.0 N 136-40.0 W

MO.-8 DAY-22 GMT-0.3

31 32 33 34 35

SALINITY, 0/00



OFFSHORE OCEANOGRAPHY GROUP

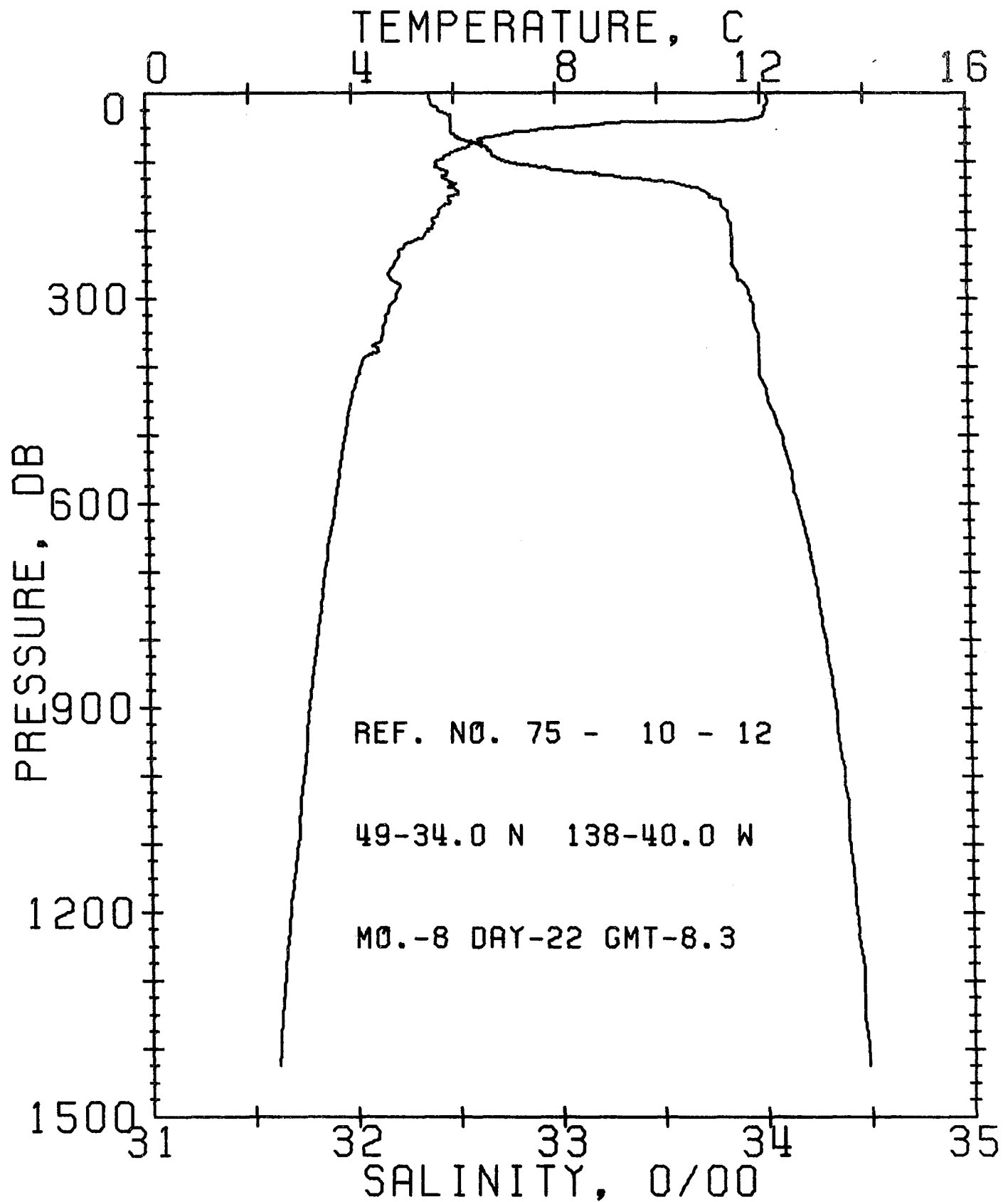
REFERENCE NO. 75-10- 11

DATE 22/ 8/75

POSITION 49-26.0N. 136-40.0W GMT 0.3

RESULTS OF STP CAST 244 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 12.32 | 32.37 | 0 | 24.51 | 343.1 | 0.0 | 0.0 | 1495. |
| 10 | 12.32 | 32.37 | 10 | 24.51 | 343.6 | 0.34 | 0.02 | 1495. |
| 20 | 12.13 | 32.38 | 20 | 24.56 | 339.6 | 0.69 | 0.07 | 1495. |
| 30 | 11.76 | 32.38 | 30 | 24.62 | 333.2 | 1.02 | 0.16 | 1494. |
| 50 | 7.98 | 32.47 | 50 | 25.32 | 267.5 | 1.62 | 0.40 | 1480. |
| 75 | 6.52 | 32.53 | 75 | 25.56 | 244.5 | 2.25 | 0.80 | 1475. |
| 100 | 6.14 | 32.64 | 99 | 25.70 | 231.7 | 2.84 | 1.33 | 1474. |
| 125 | 5.89 | 33.03 | 124 | 26.04 | 199.5 | 3.39 | 1.95 | 1474. |
| 150 | 5.76 | 33.42 | 149 | 26.36 | 169.5 | 3.84 | 2.59 | 1474. |
| 175 | 5.63 | 33.69 | 174 | 26.59 | 147.8 | 4.23 | 3.23 | 1475. |
| 200 | 5.36 | 33.82 | 199 | 26.72 | 135.4 | 4.59 | 3.90 | 1474. |
| 225 | 5.07 | 33.83 | 223 | 26.77 | 131.6 | 4.92 | 4.63 | 1473. |
| 250 | 4.84 | 33.86 | 248 | 26.81 | 127.0 | 5.24 | 5.41 | 1473. |
| 300 | 4.52 | 33.89 | 298 | 26.87 | 121.7 | 5.86 | 7.15 | 1472. |
| 400 | 4.14 | 34.02 | 397 | 27.02 | 108.4 | 7.01 | 11.22 | 1473. |
| 500 | 3.92 | 34.12 | 496 | 27.12 | 99.8 | 8.05 | 15.98 | 1473. |
| 600 | 3.75 | 34.19 | 595 | 27.19 | 93.7 | 9.02 | 21.41 | 1475. |
| 800 | 3.45 | 34.31 | 793 | 27.32 | 82.6 | 10.77 | 33.88 | 1477. |
| 1000 | 3.03 | 34.40 | 990 | 27.43 | 73.0 | 12.31 | 47.99 | 1478. |
| 1200 | 2.72 | 34.45 | 1188 | 27.50 | 66.9 | 13.71 | 63.65 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

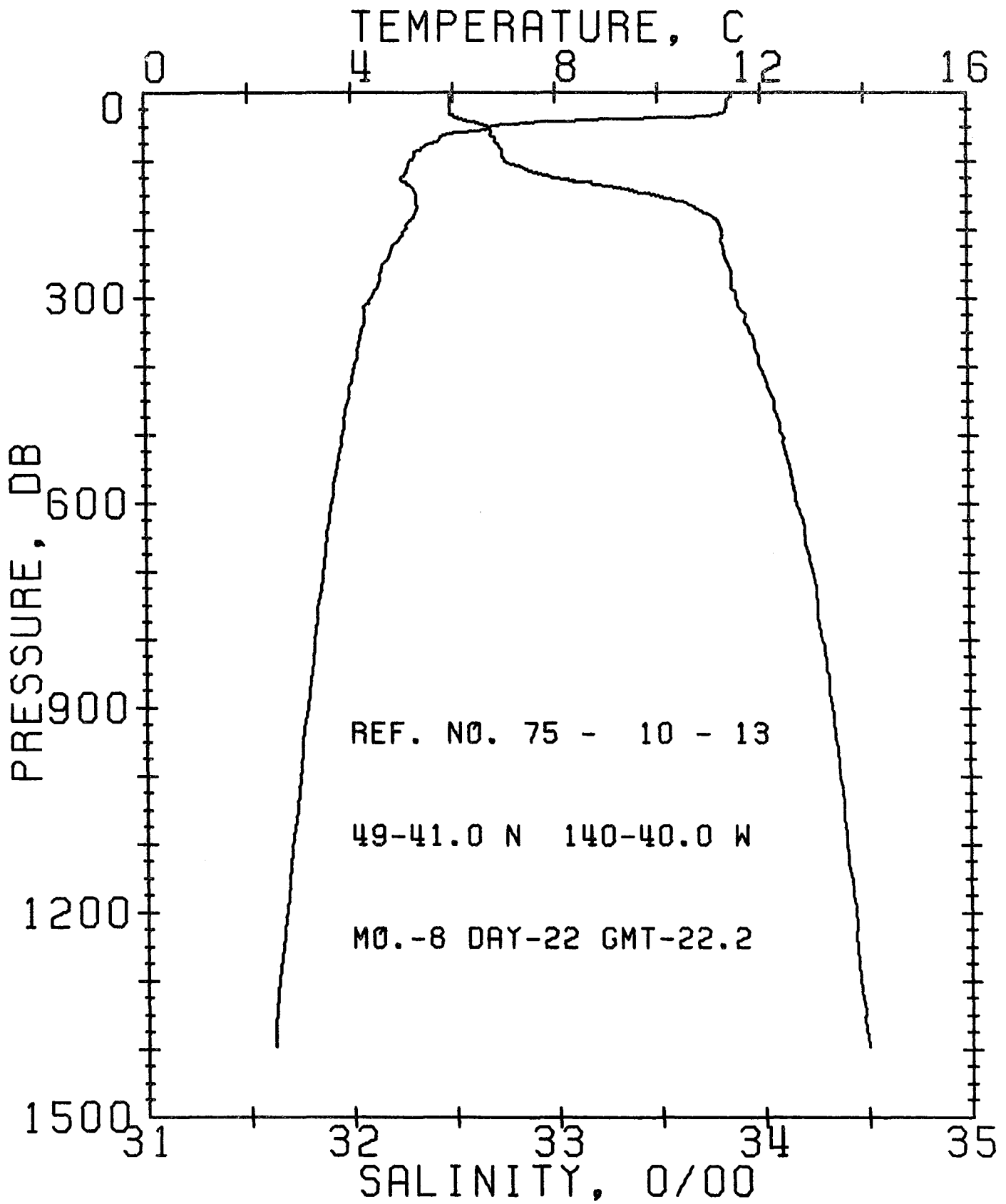
REFERENCE NO. 75-10- 12

DATE 22/ 8/75

POSITION 49-34.0N, 138-40.0W GMT 8.3

RESULTS OF STP CAST 226 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 12.13 | 32.38 | 0 | 24.56 | 338.9 | 0.0 | 0.0 | 1495. |
| 10 | 12.15 | 32.38 | 10 | 24.56 | 339.5 | 0.34 | 0.02 | 1495. |
| 20 | 12.10 | 32.41 | 20 | 24.59 | 336.7 | 0.68 | 0.07 | 1495. |
| 30 | 12.08 | 32.47 | 30 | 24.64 | 332.3 | 1.01 | 0.15 | 1495. |
| 50 | 8.12 | 32.49 | 50 | 25.31 | 268.0 | 1.63 | 0.40 | 1481. |
| 75 | 6.30 | 32.63 | 75 | 25.67 | 234.1 | 2.25 | 0.80 | 1474. |
| 100 | 5.62 | 32.76 | 99 | 25.86 | 216.6 | 2.81 | 1.30 | 1472. |
| 125 | 5.84 | 33.44 | 124 | 26.37 | 168.6 | 3.30 | 1.86 | 1474. |
| 150 | 5.93 | 33.75 | 149 | 26.60 | 146.9 | 3.69 | 2.40 | 1476. |
| 175 | 5.69 | 33.84 | 174 | 26.70 | 137.5 | 4.04 | 2.98 | 1475. |
| 200 | 5.50 | 33.86 | 199 | 26.74 | 134.1 | 4.38 | 3.63 | 1475. |
| 225 | 5.05 | 33.85 | 223 | 26.78 | 129.9 | 4.71 | 4.35 | 1473. |
| 250 | 4.82 | 33.86 | 248 | 26.82 | 126.9 | 5.03 | 5.13 | 1473. |
| 300 | 4.84 | 33.95 | 298 | 26.89 | 120.8 | 5.65 | 6.86 | 1474. |
| 400 | 4.13 | 33.99 | 397 | 26.99 | 111.0 | 6.81 | 10.99 | 1473. |
| 500 | 3.82 | 34.09 | 496 | 27.11 | 100.6 | 7.87 | 15.84 | 1473. |
| 600 | 3.62 | 34.17 | 595 | 27.19 | 93.8 | 8.85 | 21.29 | 1474. |
| 800 | 3.25 | 34.30 | 793 | 27.33 | 81.7 | 10.59 | 33.69 | 1476. |
| 1000 | 2.96 | 34.38 | 990 | 27.42 | 73.7 | 12.14 | 47.88 | 1478. |
| 1200 | 2.68 | 34.44 | 1188 | 27.49 | 67.6 | 13.55 | 63.74 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10-13

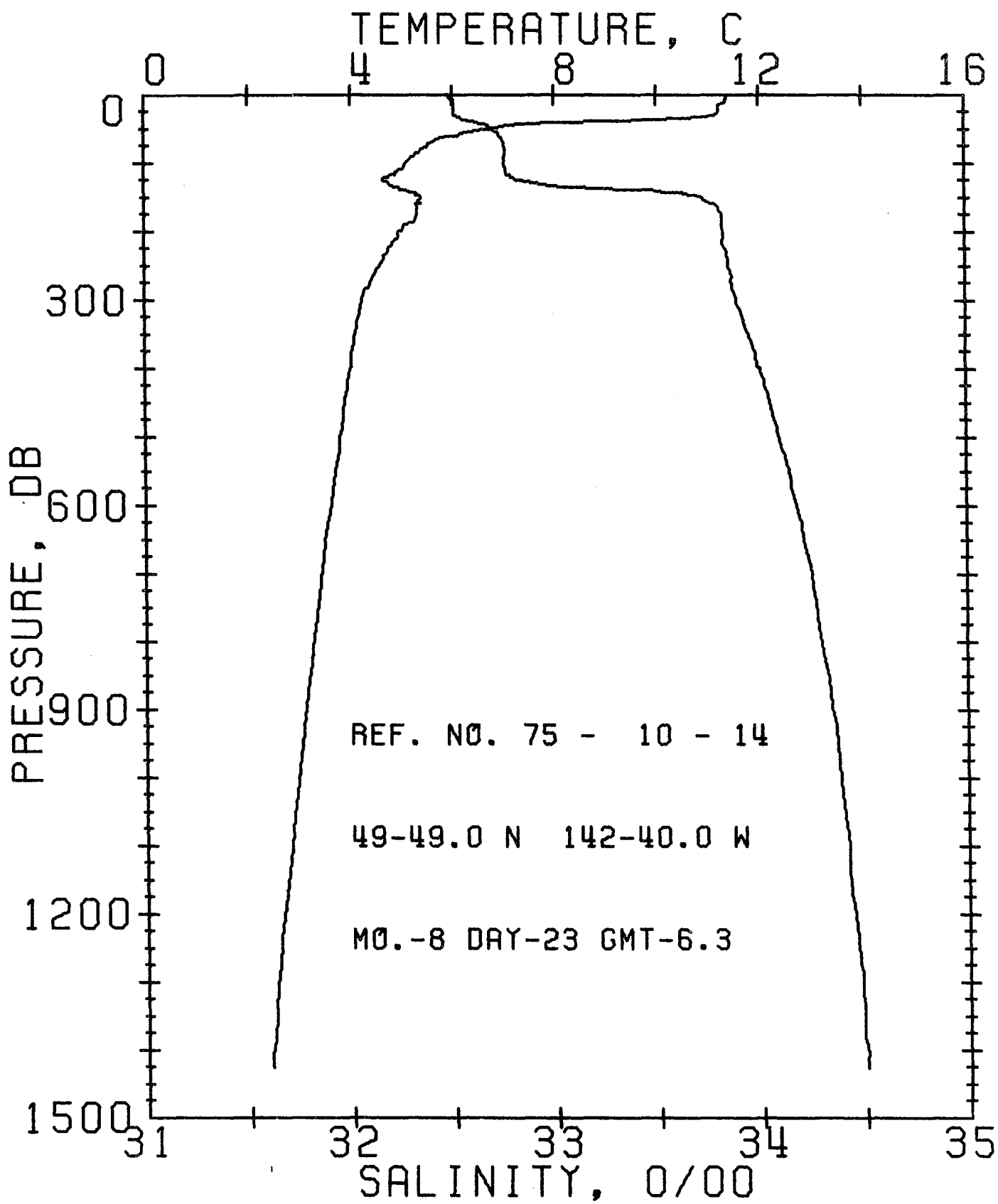
DATE 22/ 8/75

POSITION 49-41.0N, 140-40.0W

GMT 22.2

RESULTS OF STP CAST 217 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | PCT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.45 | 32.49 | 0 | 24.77 | 318.9 | 0.0 | 0.0 | 1492. |
| 10 | 11.36 | 32.49 | 10 | 24.78 | 317.8 | 0.32 | 0.02 | 1492. |
| 20 | 11.35 | 32.49 | 20 | 24.78 | 317.9 | 0.64 | 0.06 | 1492. |
| 30 | 11.26 | 32.49 | 30 | 24.80 | 316.5 | 0.95 | 0.15 | 1492. |
| 50 | 6.74 | 32.68 | 50 | 25.65 | 235.5 | 1.50 | 0.36 | 1476. |
| 75 | 5.53 | 32.72 | 75 | 25.83 | 218.3 | 2.06 | 0.72 | 1471. |
| 100 | 5.15 | 32.76 | 99 | 25.91 | 211.5 | 2.60 | 1.20 | 1470. |
| 125 | 4.98 | 33.02 | 124 | 26.13 | 190.3 | 3.10 | 1.78 | 1470. |
| 150 | 5.27 | 33.51 | 149 | 26.49 | 157.2 | 3.53 | 2.38 | 1473. |
| 175 | 5.24 | 33.74 | 174 | 26.67 | 139.8 | 3.90 | 2.99 | 1473. |
| 200 | 5.06 | 33.82 | 199 | 26.76 | 132.0 | 4.24 | 3.64 | 1473. |
| 225 | 4.79 | 33.82 | 223 | 26.79 | 129.2 | 4.57 | 4.35 | 1472. |
| 250 | 4.62 | 33.84 | 248 | 26.83 | 125.9 | 4.89 | 5.12 | 1472. |
| 300 | 4.36 | 33.88 | 298 | 26.88 | 120.8 | 5.50 | 6.85 | 1472. |
| 400 | 4.05 | 33.99 | 397 | 27.01 | 109.8 | 6.65 | 10.92 | 1472. |
| 500 | 3.80 | 34.10 | 496 | 27.12 | 100.1 | 7.69 | 15.70 | 1473. |
| 600 | 3.59 | 34.17 | 595 | 27.19 | 93.5 | 8.66 | 21.12 | 1474. |
| 800 | 3.26 | 34.29 | 793 | 27.32 | 82.4 | 10.40 | 33.51 | 1476. |
| 1000 | 2.96 | 34.37 | 990 | 27.41 | 74.4 | 11.96 | 47.81 | 1478. |
| 1200 | 2.68 | 34.44 | 1188 | 27.49 | 67.2 | 13.38 | 63.68 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10-14

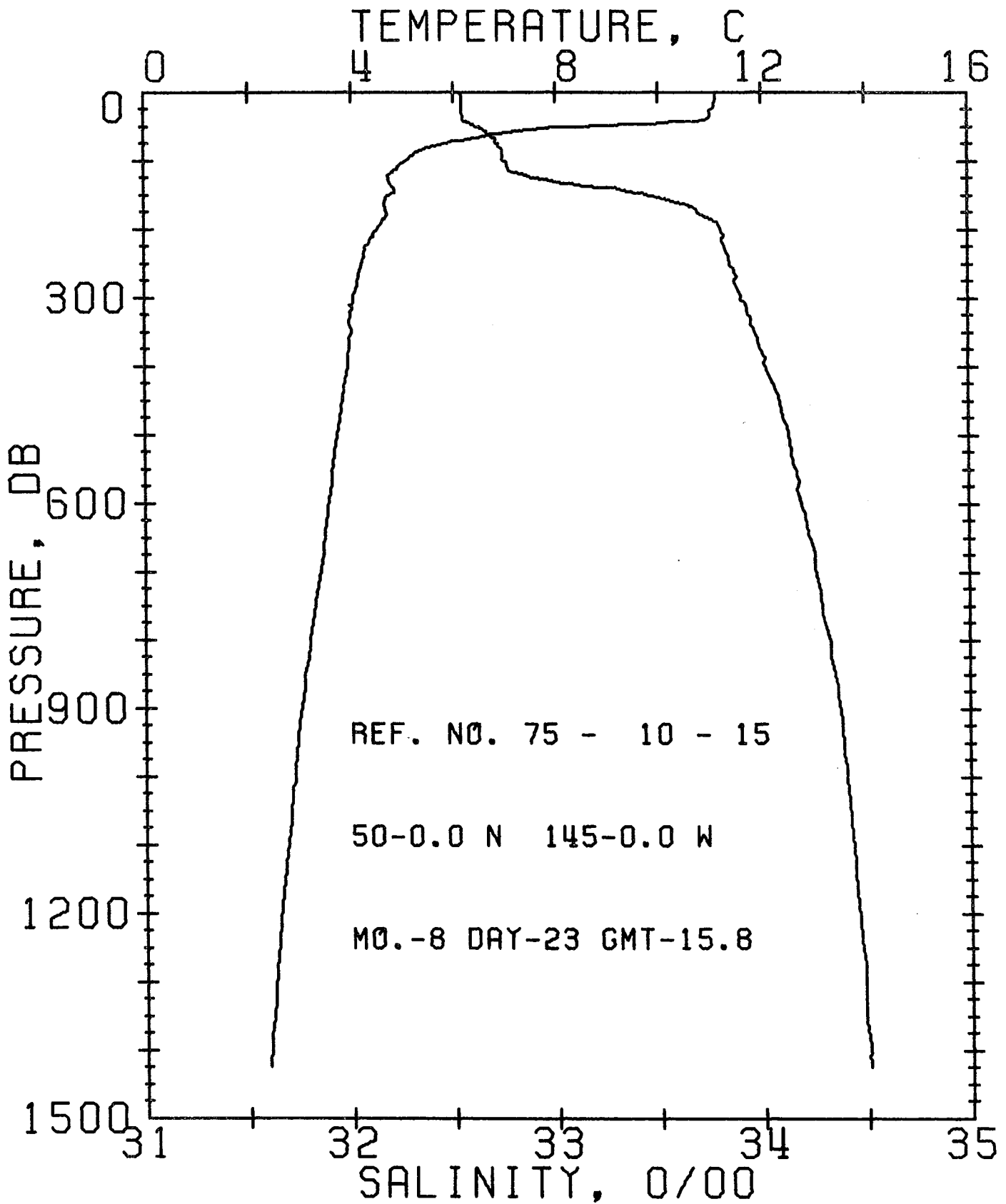
DATE 23/ 8/75

POSITION 49-49.0N, 142-40.0W

GMT 6.3

RESULTS OF STP CAST 212 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.38 | 32.47 | 0 | 24.76 | 319.2 | 0.0 | 0.0 | 1492. |
| 10 | 11.35 | 32.51 | 10 | 24.80 | 316.2 | 0.32 | 0.02 | 1492. |
| 20 | 11.22 | 32.51 | 20 | 24.82 | 314.2 | 0.63 | 0.06 | 1492. |
| 30 | 11.12 | 32.52 | 30 | 24.85 | 311.9 | 0.95 | 0.14 | 1492. |
| 50 | 6.61 | 32.70 | 50 | 25.69 | 232.4 | 1.47 | 0.36 | 1475. |
| 75 | 5.49 | 32.75 | 75 | 25.86 | 215.6 | 2.03 | 0.71 | 1471. |
| 100 | 5.08 | 32.75 | 99 | 25.91 | 211.3 | 2.56 | 1.18 | 1470. |
| 125 | 4.66 | 32.86 | 124 | 26.04 | 198.9 | 3.08 | 1.78 | 1469. |
| 150 | 5.36 | 33.72 | 149 | 26.65 | 142.1 | 3.50 | 2.36 | 1473. |
| 175 | 5.30 | 33.82 | 174 | 26.73 | 134.4 | 3.84 | 2.93 | 1474. |
| 200 | 4.94 | 33.83 | 199 | 26.78 | 129.9 | 4.17 | 3.56 | 1472. |
| 225 | 4.72 | 33.83 | 223 | 26.81 | 127.4 | 4.50 | 4.26 | 1472. |
| 250 | 4.55 | 33.85 | 248 | 26.84 | 124.6 | 4.81 | 5.03 | 1472. |
| 300 | 4.21 | 33.89 | 298 | 26.91 | 118.4 | 5.42 | 6.73 | 1471. |
| 400 | 3.96 | 34.00 | 397 | 27.02 | 108.4 | 6.55 | 10.76 | 1472. |
| 500 | 3.77 | 34.09 | 496 | 27.11 | 100.3 | 7.60 | 15.54 | 1473. |
| 600 | 3.59 | 34.18 | 595 | 27.20 | 93.0 | 8.56 | 20.94 | 1474. |
| 800 | 3.24 | 34.29 | 793 | 27.32 | 81.8 | 10.30 | 33.29 | 1476. |
| 1000 | 2.93 | 34.38 | 990 | 27.42 | 73.5 | 11.84 | 47.40 | 1478. |
| 1200 | 2.65 | 34.45 | 1188 | 27.50 | 66.6 | 13.24 | 63.07 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

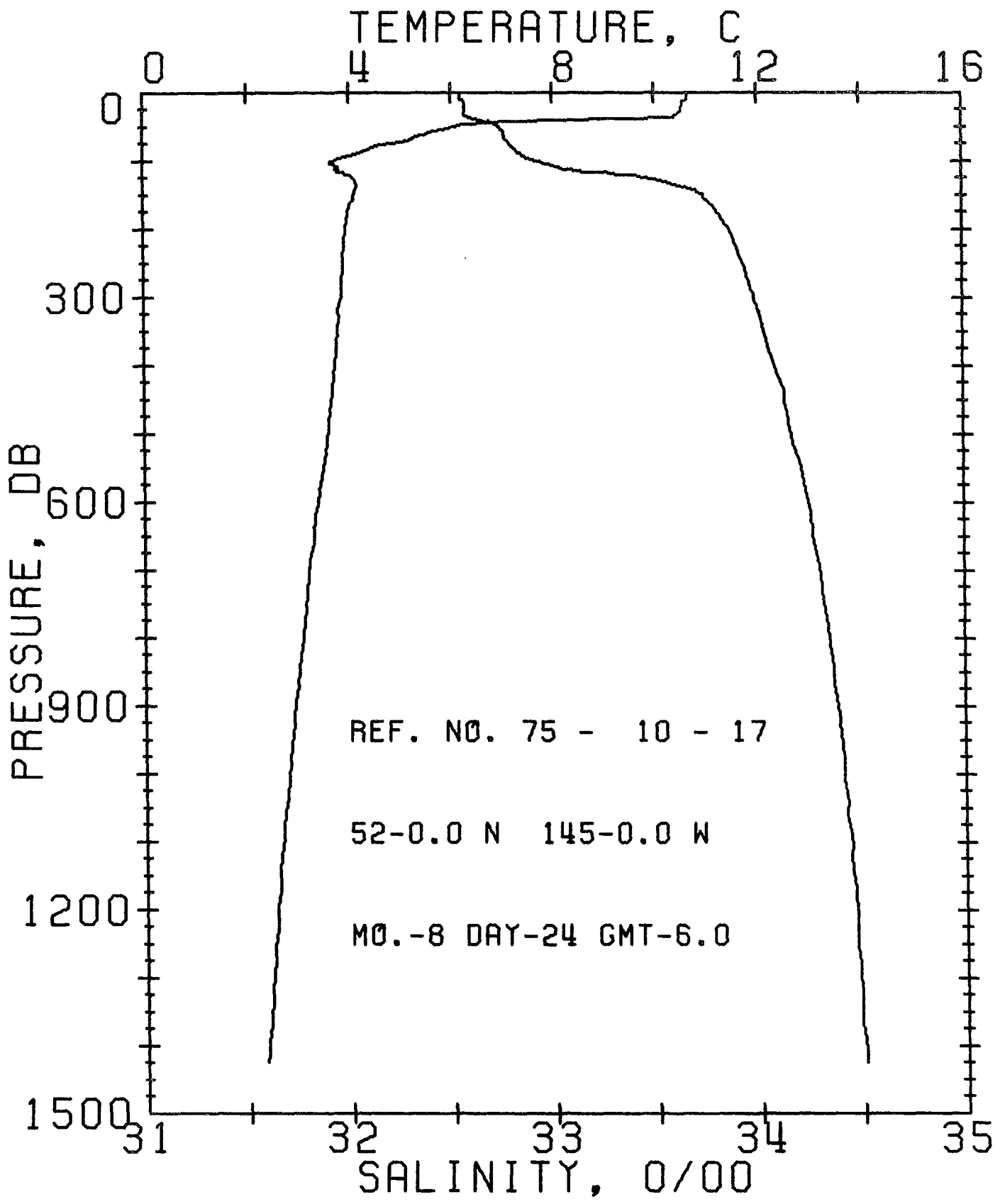
REFERENCE NO. 75-10-15

DATE 23/ 8/75

POSITION 50- 0.0N, 145- 0.0W GMT 15.8

RESULTS OF STP CAST 202 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.13 | 32.53 | 0 | 24.86 | 310.5 | 0.0 | 0.0 | 1491. |
| 10 | 11.12 | 32.54 | 10 | 24.86 | 310.0 | 0.31 | 0.02 | 1491. |
| 20 | 11.07 | 32.54 | 20 | 24.87 | 309.5 | 0.62 | 0.06 | 1491. |
| 30 | 11.00 | 32.54 | 30 | 24.89 | 308.4 | 0.93 | 0.14 | 1491. |
| 50 | 7.96 | 32.63 | 50 | 25.44 | 255.4 | 1.52 | 0.38 | 1480. |
| 75 | 5.74 | 32.72 | 75 | 25.81 | 220.8 | 2.11 | 0.75 | 1472. |
| 100 | 5.06 | 32.75 | 99 | 25.91 | 211.1 | 2.64 | 1.23 | 1470. |
| 125 | 4.71 | 32.95 | 124 | 26.11 | 192.6 | 3.16 | 1.82 | 1469. |
| 150 | 4.71 | 33.47 | 149 | 26.52 | 153.9 | 3.59 | 2.43 | 1470. |
| 175 | 4.68 | 33.70 | 174 | 26.70 | 136.8 | 3.95 | 3.01 | 1471. |
| 200 | 4.48 | 33.80 | 199 | 26.81 | 126.9 | 4.27 | 3.64 | 1471. |
| 225 | 4.27 | 33.82 | 223 | 26.85 | 123.6 | 4.59 | 4.32 | 1470. |
| 250 | 4.19 | 33.85 | 248 | 26.88 | 120.8 | 4.89 | 5.06 | 1470. |
| 300 | 4.03 | 33.90 | 298 | 26.93 | 115.8 | 5.48 | 6.71 | 1470. |
| 400 | 3.91 | 34.02 | 397 | 27.04 | 106.6 | 6.59 | 10.64 | 1472. |
| 500 | 3.70 | 34.13 | 496 | 27.15 | 96.7 | 7.60 | 15.28 | 1473. |
| 600 | 3.52 | 34.19 | 595 | 27.21 | 91.3 | 8.54 | 20.54 | 1474. |
| 800 | 3.17 | 34.33 | 793 | 27.36 | 78.8 | 10.24 | 32.64 | 1476. |
| 1000 | 2.88 | 34.40 | 990 | 27.44 | 71.3 | 11.73 | 46.29 | 1478. |
| 1200 | 2.61 | 34.46 | 1188 | 27.51 | 65.3 | 13.09 | 61.53 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

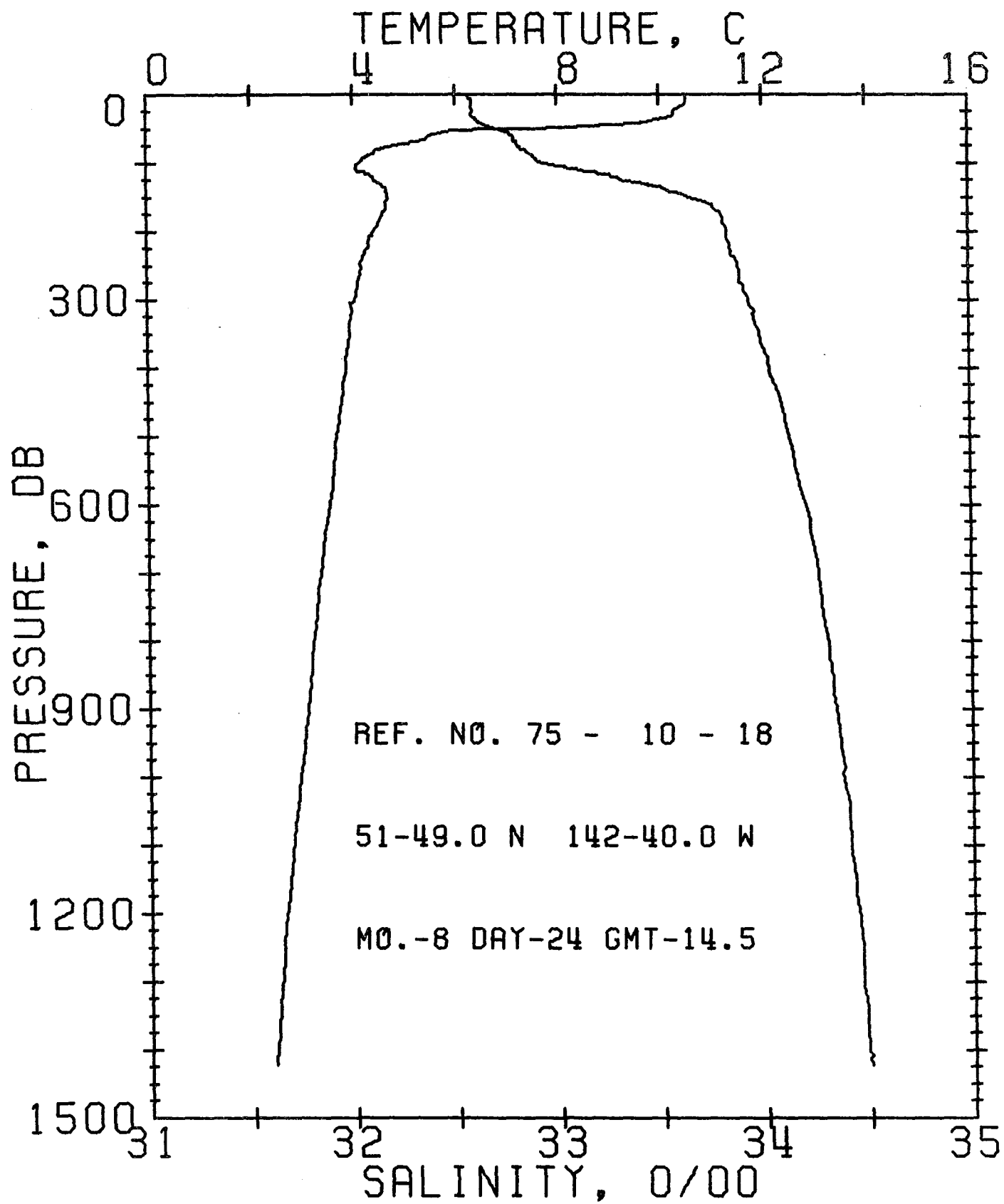
REFERENCE NO. 75-10- 17

DATE 24/ 8/75

POSITION 52- 0.0N, 145- 0.0W GMT 6.0

RESULTS OF STP CAST 185 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 10.67 | 32.55 | 0 | 24.95 | 301.3 | 0.0 | 0.0 | 1490. |
| 10 | 10.63 | 32.56 | 10 | 24.97 | 300.4 | 0.30 | 0.02 | 1490. |
| 20 | 10.54 | 32.57 | 20 | 24.99 | 298.3 | 0.60 | 0.06 | 1490. |
| 30 | 10.49 | 32.57 | 30 | 25.00 | 297.7 | 0.90 | 0.14 | 1490. |
| 50 | 6.00 | 32.74 | 50 | 25.79 | 222.0 | 1.41 | 0.34 | 1473. |
| 75 | 4.69 | 32.79 | 75 | 25.98 | 204.0 | 1.95 | 0.68 | 1468. |
| 100 | 3.65 | 32.93 | 99 | 26.20 | 183.4 | 2.43 | 1.11 | 1464. |
| 125 | 4.10 | 33.48 | 124 | 26.60 | 146.3 | 2.85 | 1.60 | 1467. |
| 150 | 4.09 | 33.74 | 149 | 26.80 | 127.1 | 3.19 | 2.07 | 1468. |
| 175 | 3.97 | 33.81 | 174 | 26.87 | 121.0 | 3.50 | 2.58 | 1468. |
| 200 | 3.92 | 33.86 | 199 | 26.92 | 116.5 | 3.80 | 3.15 | 1468. |
| 225 | 3.90 | 33.90 | 223 | 26.95 | 113.8 | 4.09 | 3.77 | 1469. |
| 250 | 3.87 | 33.93 | 248 | 26.97 | 111.6 | 4.37 | 4.45 | 1469. |
| 300 | 3.82 | 33.98 | 298 | 27.02 | 107.6 | 4.92 | 5.98 | 1470. |
| 400 | 3.70 | 34.08 | 397 | 27.11 | 99.7 | 5.95 | 9.67 | 1471. |
| 500 | 3.56 | 34.16 | 496 | 27.19 | 92.9 | 6.91 | 14.06 | 1472. |
| 600 | 3.36 | 34.24 | 595 | 27.27 | 85.6 | 7.80 | 19.04 | 1473. |
| 800 | 3.06 | 34.34 | 792 | 27.38 | 76.5 | 9.41 | 30.52 | 1475. |
| 1000 | 2.79 | 34.41 | 990 | 27.46 | 69.6 | 10.86 | 43.82 | 1477. |
| 1200 | 2.54 | 34.47 | 1187 | 27.53 | 63.6 | 12.20 | 58.72 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

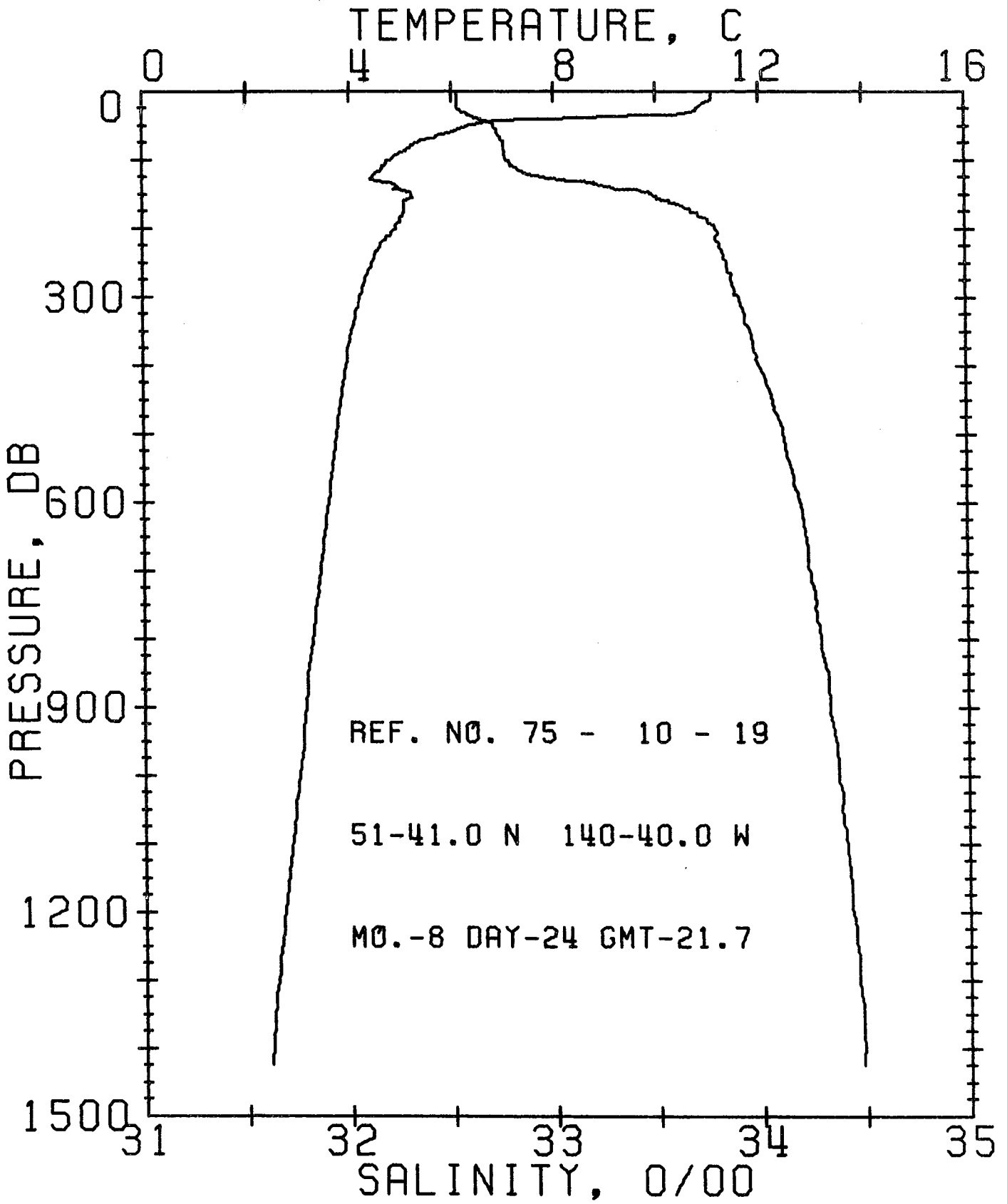
REFERENCE NO. 75-10-18

DATE 24/ 8/75

POSITION 51-49.0N, 142-40.0W GMT 14.5

RESULTS OF STP CAST 198 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | PCT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 10.53 | 32.57 | 0 | 24.99 | 297.6 | 0.0 | 0.0 | 1489. |
| 10 | 10.53 | 32.58 | 10 | 25.00 | 297.2 | 0.30 | 0.02 | 1489. |
| 20 | 10.35 | 32.58 | 20 | 25.03 | 294.5 | 0.59 | 0.06 | 1489. |
| 30 | 10.25 | 32.59 | 30 | 25.05 | 292.3 | 0.89 | 0.14 | 1489. |
| 50 | 6.59 | 32.71 | 50 | 25.70 | 231.4 | 1.44 | 0.36 | 1475. |
| 75 | 4.69 | 32.81 | 75 | 26.00 | 202.4 | 1.97 | 0.70 | 1468. |
| 100 | 4.11 | 32.94 | 99 | 26.16 | 187.0 | 2.46 | 1.13 | 1466. |
| 125 | 4.42 | 33.33 | 124 | 26.44 | 161.0 | 2.88 | 1.62 | 1468. |
| 150 | 4.67 | 33.66 | 149 | 26.67 | 139.2 | 3.26 | 2.14 | 1470. |
| 175 | 4.56 | 33.80 | 174 | 26.80 | 128.0 | 3.59 | 2.69 | 1470. |
| 200 | 4.38 | 33.83 | 199 | 26.84 | 123.8 | 3.90 | 3.29 | 1470. |
| 225 | 4.25 | 33.84 | 223 | 26.86 | 121.8 | 4.21 | 3.95 | 1470. |
| 250 | 4.15 | 33.88 | 248 | 26.91 | 118.1 | 4.51 | 4.68 | 1470. |
| 300 | 4.02 | 33.93 | 298 | 26.96 | 113.5 | 5.09 | 6.30 | 1470. |
| 400 | 3.84 | 34.03 | 397 | 27.05 | 105.1 | 6.18 | 10.18 | 1471. |
| 500 | 3.66 | 34.12 | 496 | 27.15 | 96.9 | 7.19 | 14.79 | 1472. |
| 600 | 3.51 | 34.20 | 595 | 27.23 | 90.2 | 8.12 | 20.05 | 1473. |
| 800 | 3.18 | 34.31 | 793 | 27.34 | 80.2 | 9.82 | 32.14 | 1476. |
| 1000 | 2.91 | 34.37 | 990 | 27.42 | 73.5 | 11.36 | 46.23 | 1478. |
| 1200 | 2.62 | 34.45 | 1188 | 27.50 | 66.2 | 12.76 | 61.85 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

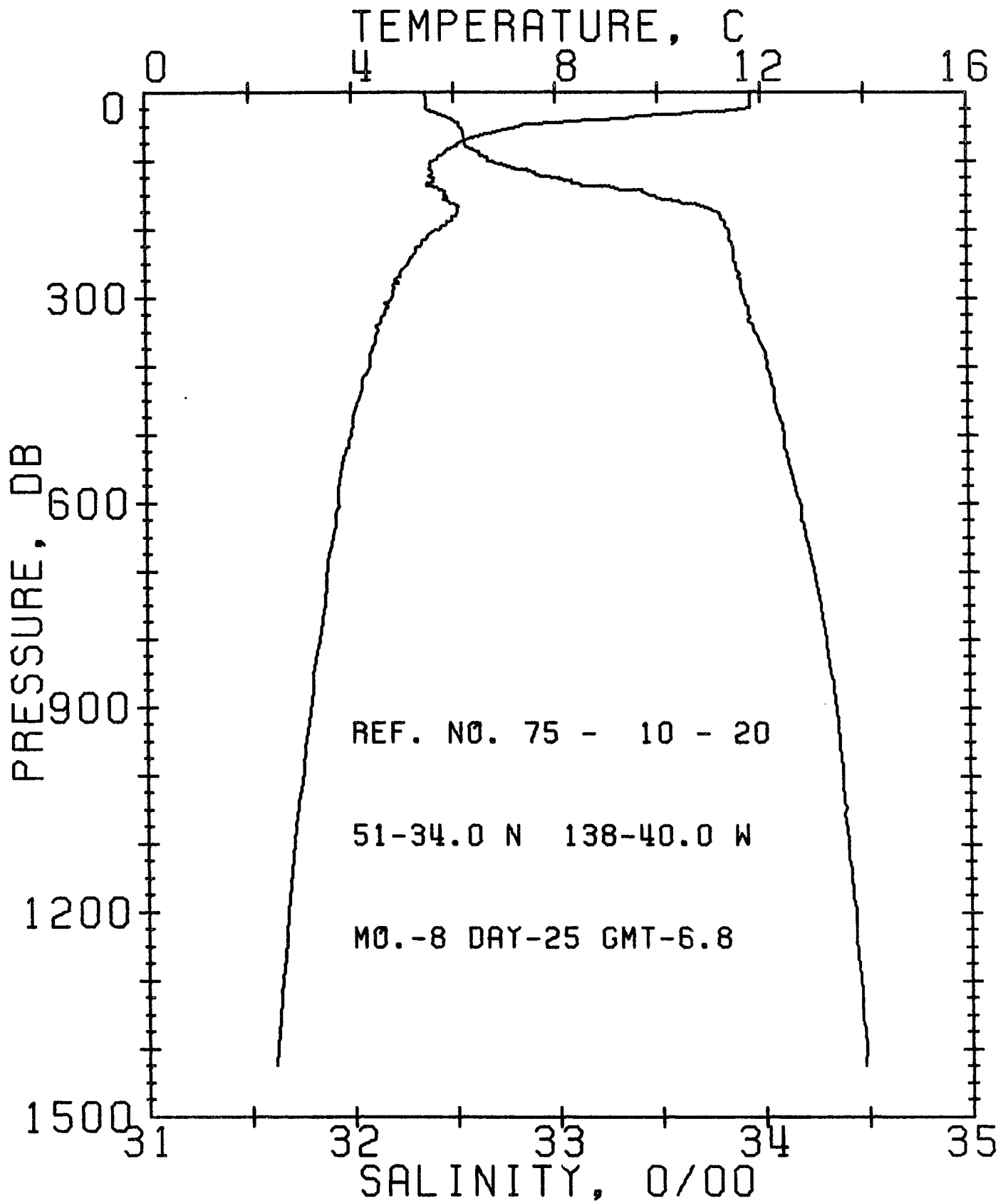
REFERENCE NO. 75-10-19

DATE 24/ 8/75

POSITION 51-41.0N, 140-40.0W GMT 21.7

RESULTS OF STP CAST 295 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | PCT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.10 | 32.53 | 0 | 24.86 | 310.0 | 0.0 | 0.0 | 1491. |
| 10 | 11.09 | 32.53 | 10 | 24.86 | 310.3 | 0.31 | 0.02 | 1491. |
| 20 | 10.86 | 32.53 | 20 | 24.90 | 306.7 | 0.62 | 0.06 | 1491. |
| 30 | 10.70 | 32.56 | 30 | 24.95 | 301.9 | 0.92 | 0.14 | 1490. |
| 50 | 6.29 | 32.71 | 50 | 25.73 | 227.7 | 1.44 | 0.35 | 1474. |
| 75 | 5.30 | 32.75 | 75 | 25.88 | 213.5 | 1.99 | 0.70 | 1470. |
| 100 | 4.74 | 32.78 | 99 | 25.97 | 205.5 | 2.51 | 1.16 | 1469. |
| 125 | 4.46 | 32.97 | 124 | 26.15 | 188.5 | 3.01 | 1.74 | 1468. |
| 150 | 5.21 | 33.48 | 149 | 26.48 | 158.3 | 3.44 | 2.33 | 1472. |
| 175 | 5.06 | 33.68 | 174 | 26.65 | 142.2 | 3.81 | 2.95 | 1472. |
| 200 | 4.89 | 33.79 | 199 | 26.75 | 132.3 | 4.15 | 3.60 | 1472. |
| 225 | 4.59 | 33.81 | 223 | 26.80 | 127.7 | 4.48 | 4.31 | 1471. |
| 250 | 4.43 | 33.84 | 248 | 26.84 | 124.1 | 4.79 | 5.07 | 1471. |
| 300 | 4.18 | 33.90 | 298 | 26.92 | 117.3 | 5.40 | 6.76 | 1471. |
| 400 | 3.92 | 34.00 | 397 | 27.02 | 108.1 | 6.52 | 10.77 | 1472. |
| 500 | 3.73 | 34.11 | 496 | 27.13 | 98.4 | 7.55 | 15.47 | 1473. |
| 600 | 3.56 | 34.19 | 595 | 27.21 | 91.8 | 8.50 | 20.81 | 1474. |
| 800 | 3.25 | 34.29 | 793 | 27.32 | 82.4 | 10.24 | 33.18 | 1476. |
| 1000 | 2.99 | 34.37 | 990 | 27.41 | 74.8 | 11.81 | 47.51 | 1478. |
| 1200 | 2.68 | 34.43 | 1188 | 27.49 | 67.9 | 13.23 | 63.43 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

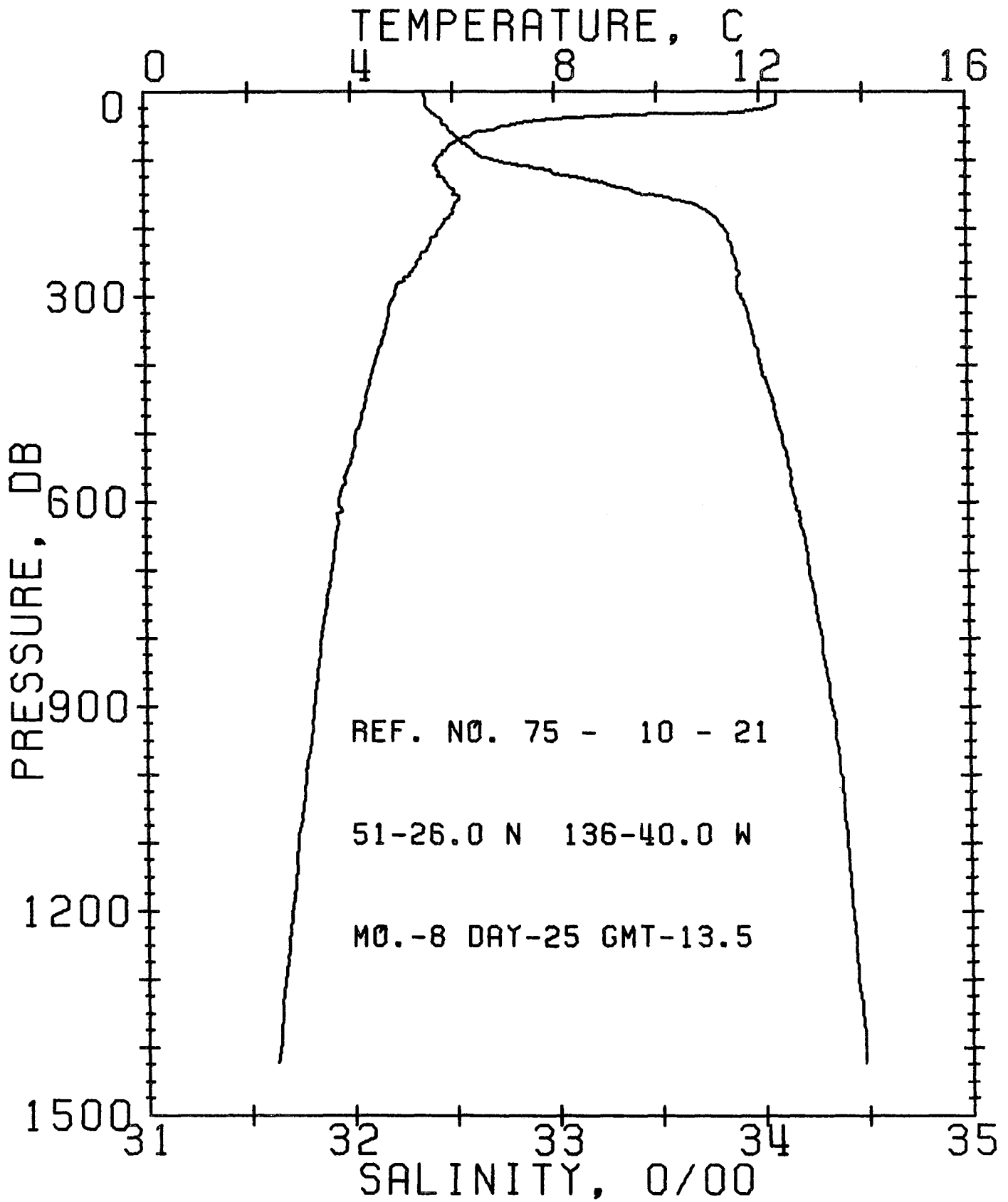
REFERENCE NO. 75-10- 20

DATE 25/ 8/75

POSITION 51-34.0N, 138-40.0W GMT 6.8

RESULTS OF STP CAST 243 POINTS TAKEN FROM ANALCG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.80 | 32.37 | 0 | 24.61 | 333.8 | 0.0 | 0.0 | 1493. |
| 10 | 11.80 | 32.37 | 10 | 24.61 | 334.3 | 0.33 | 0.02 | 1494. |
| 20 | 11.80 | 32.37 | 20 | 24.61 | 334.5 | 0.67 | 0.07 | 1494. |
| 30 | 10.60 | 32.42 | 30 | 24.86 | 310.6 | 0.99 | 0.15 | 1490. |
| 50 | 7.29 | 32.53 | 50 | 25.46 | 253.8 | 1.55 | 0.37 | 1478. |
| 75 | 6.07 | 32.55 | 75 | 25.64 | 237.2 | 2.16 | 0.76 | 1473. |
| 100 | 5.58 | 32.67 | 99 | 25.79 | 222.9 | 2.73 | 1.27 | 1472. |
| 125 | 5.59 | 33.02 | 124 | 26.06 | 197.1 | 3.26 | 1.87 | 1473. |
| 150 | 5.86 | 33.49 | 149 | 26.40 | 165.5 | 3.71 | 2.50 | 1475. |
| 175 | 6.06 | 33.79 | 174 | 26.62 | 145.4 | 4.09 | 3.14 | 1477. |
| 200 | 5.64 | 33.84 | 199 | 26.71 | 137.0 | 4.45 | 3.82 | 1475. |
| 225 | 5.29 | 33.86 | 223 | 26.77 | 131.5 | 4.78 | 4.55 | 1474. |
| 250 | 5.08 | 33.88 | 248 | 26.80 | 128.3 | 5.11 | 5.33 | 1474. |
| 300 | 4.76 | 33.92 | 298 | 26.87 | 122.4 | 5.74 | 7.08 | 1473. |
| 400 | 4.33 | 34.03 | 397 | 27.00 | 110.2 | 6.89 | 11.20 | 1473. |
| 500 | 3.96 | 34.11 | 496 | 27.11 | 101.1 | 7.94 | 16.02 | 1474. |
| 600 | 3.71 | 34.18 | 595 | 27.19 | 93.6 | 8.92 | 21.48 | 1474. |
| 800 | 3.33 | 34.31 | 793 | 27.33 | 81.6 | 10.67 | 33.92 | 1476. |
| 1000 | 3.00 | 34.38 | 990 | 27.42 | 74.1 | 12.22 | 48.08 | 1478. |
| 1200 | 2.69 | 34.44 | 1188 | 27.49 | 67.4 | 13.63 | 63.93 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

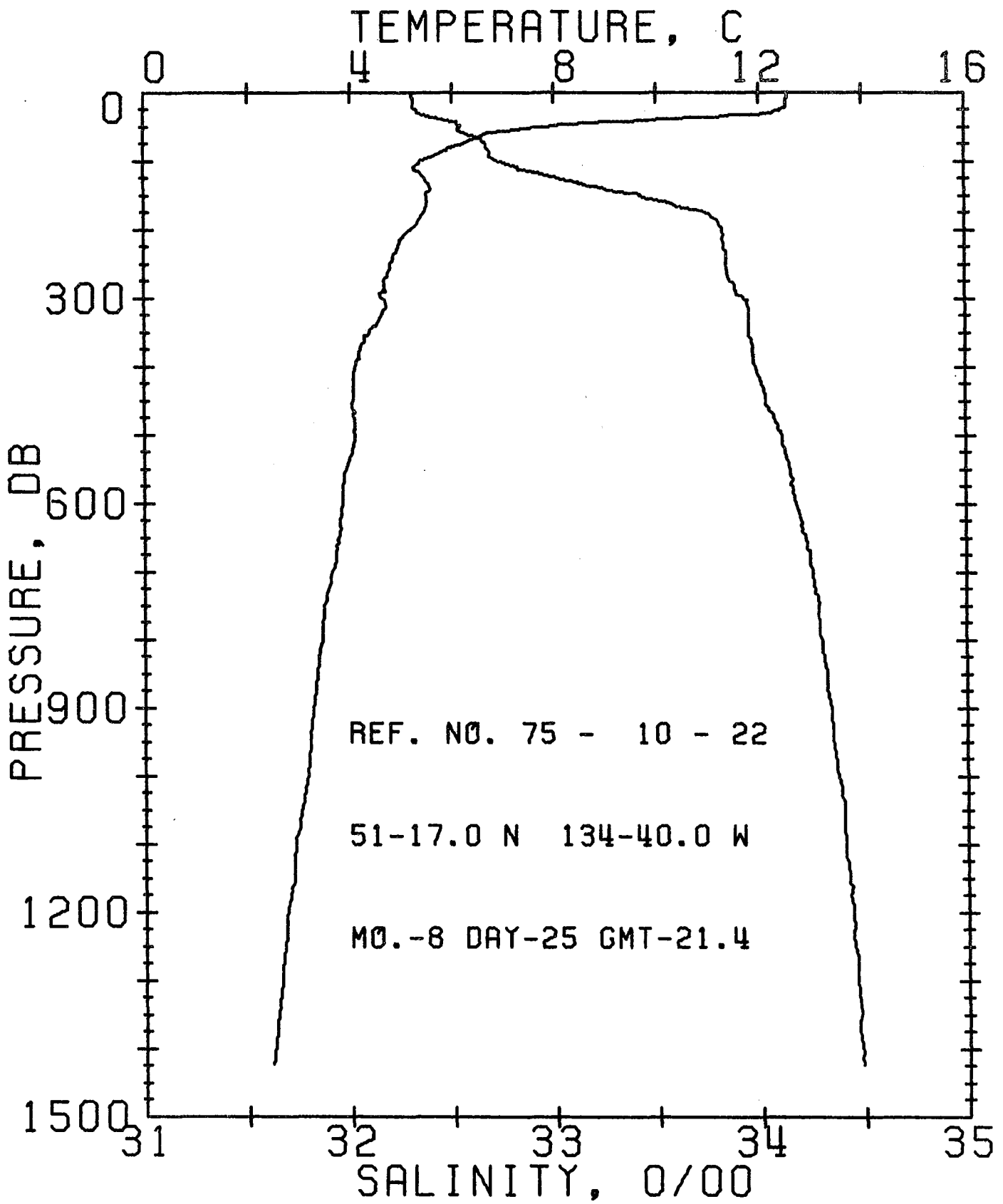
REFERENCE NO. 75-10- 21

DATE 25/ 8/75

POSITION 51-26.0N, 136-40.0W GMT 13.5

RESULTS OF STP CAST 238 POINTS TAKEN FROM ANALCG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 12.34 | 32.35 | 0 | 24.49 | 344.9 | 0.0 | 0.0 | 1495. |
| 10 | 12.34 | 32.37 | 10 | 24.51 | 344.2 | 0.34 | 0.02 | 1495. |
| 20 | 12.27 | 32.37 | 20 | 24.52 | 342.9 | 0.69 | 0.07 | 1495. |
| 30 | 11.64 | 32.40 | 30 | 24.66 | 329.7 | 1.03 | 0.16 | 1493. |
| 50 | 6.98 | 32.47 | 50 | 25.46 | 254.2 | 1.58 | 0.38 | 1476. |
| 75 | 6.00 | 32.56 | 75 | 25.65 | 235.8 | 2.19 | 0.77 | 1473. |
| 100 | 5.69 | 32.71 | 99 | 25.81 | 221.2 | 2.76 | 1.28 | 1472. |
| 125 | 5.81 | 33.13 | 124 | 26.12 | 191.6 | 3.27 | 1.86 | 1474. |
| 150 | 6.05 | 33.48 | 149 | 26.37 | 168.5 | 3.73 | 2.50 | 1476. |
| 175 | 6.00 | 33.74 | 174 | 26.59 | 148.4 | 4.12 | 3.14 | 1476. |
| 200 | 5.72 | 33.83 | 199 | 26.69 | 138.9 | 4.48 | 3.83 | 1476. |
| 225 | 5.51 | 33.86 | 223 | 26.74 | 134.4 | 4.82 | 4.57 | 1475. |
| 250 | 5.27 | 33.88 | 248 | 26.78 | 130.2 | 5.15 | 5.37 | 1475. |
| 300 | 4.84 | 33.91 | 298 | 26.85 | 123.9 | 5.78 | 7.15 | 1474. |
| 400 | 4.42 | 34.00 | 397 | 26.97 | 113.3 | 6.97 | 11.36 | 1474. |
| 500 | 4.06 | 34.10 | 496 | 27.09 | 103.0 | 8.05 | 16.31 | 1474. |
| 600 | 3.74 | 34.16 | 595 | 27.17 | 95.7 | 9.04 | 21.87 | 1474. |
| 800 | 3.37 | 34.29 | 793 | 27.31 | 83.8 | 10.83 | 34.63 | 1476. |
| 1000 | 3.08 | 34.37 | 990 | 27.40 | 75.4 | 12.43 | 49.19 | 1478. |
| 1200 | 2.79 | 34.42 | 1188 | 27.47 | 69.8 | 13.87 | 65.38 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 22

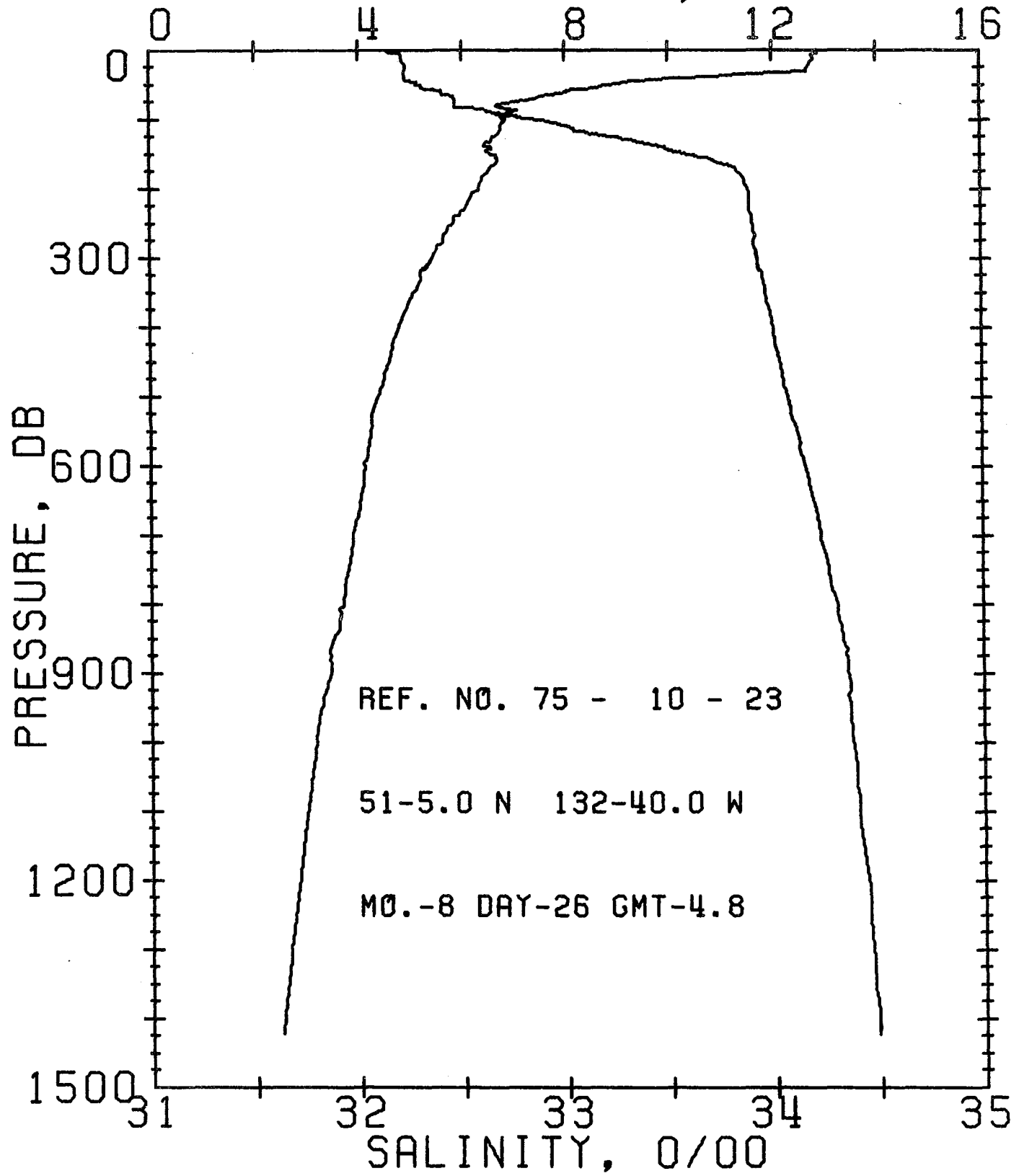
DATE 25/ 8/75

POSITION 51-17.0N, 134-40.0W GMT 21.4

RESULTS OF STP CAST 307 POINTS TAKEN FROM ANALCG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 12.56 | 32.30 | 0 | 24.41 | 352.7 | 0.0 | 0.0 | 1495. |
| 10 | 12.52 | 32.31 | 10 | 24.43 | 351.6 | 0.35 | 0.02 | 1496. |
| 20 | 12.52 | 32.31 | 20 | 24.43 | 351.8 | 0.70 | 0.07 | 1496. |
| 30 | 12.16 | 32.34 | 30 | 24.52 | 343.3 | 1.05 | 0.16 | 1495. |
| 50 | 7.75 | 32.54 | 50 | 25.40 | 259.2 | 1.64 | 0.47 | 1480. |
| 75 | 6.21 | 32.66 | 75 | 25.71 | 230.4 | 2.24 | 0.78 | 1474. |
| 100 | 5.36 | 32.74 | 99 | 25.87 | 215.2 | 2.80 | 1.28 | 1471. |
| 125 | 5.47 | 33.04 | 124 | 26.09 | 194.2 | 3.32 | 1.86 | 1472. |
| 150 | 5.49 | 33.42 | 149 | 26.39 | 166.1 | 3.77 | 2.50 | 1473. |
| 175 | 5.41 | 33.75 | 174 | 26.66 | 140.9 | 4.15 | 3.13 | 1474. |
| 200 | 5.16 | 33.82 | 199 | 26.75 | 133.1 | 4.49 | 3.78 | 1473. |
| 225 | 4.92 | 33.83 | 223 | 26.78 | 130.0 | 4.82 | 4.49 | 1473. |
| 250 | 4.78 | 33.84 | 248 | 26.81 | 127.9 | 5.14 | 5.27 | 1473. |
| 300 | 4.63 | 33.93 | 298 | 26.89 | 119.9 | 5.76 | 7.01 | 1473. |
| 400 | 4.08 | 33.98 | 397 | 26.99 | 111.1 | 6.92 | 11.13 | 1472. |
| 500 | 4.08 | 34.11 | 496 | 27.09 | 102.6 | 7.99 | 16.02 | 1474. |
| 600 | 3.83 | 34.18 | 595 | 27.17 | 95.5 | 8.98 | 21.55 | 1475. |
| 800 | 3.43 | 34.30 | 793 | 27.31 | 83.5 | 10.75 | 34.16 | 1477. |
| 1000 | 3.14 | 34.38 | 990 | 27.40 | 75.9 | 12.34 | 48.74 | 1479. |
| 1200 | 2.75 | 34.44 | 1188 | 27.49 | 68.1 | 13.77 | 64.78 | 1480. |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY GROUP

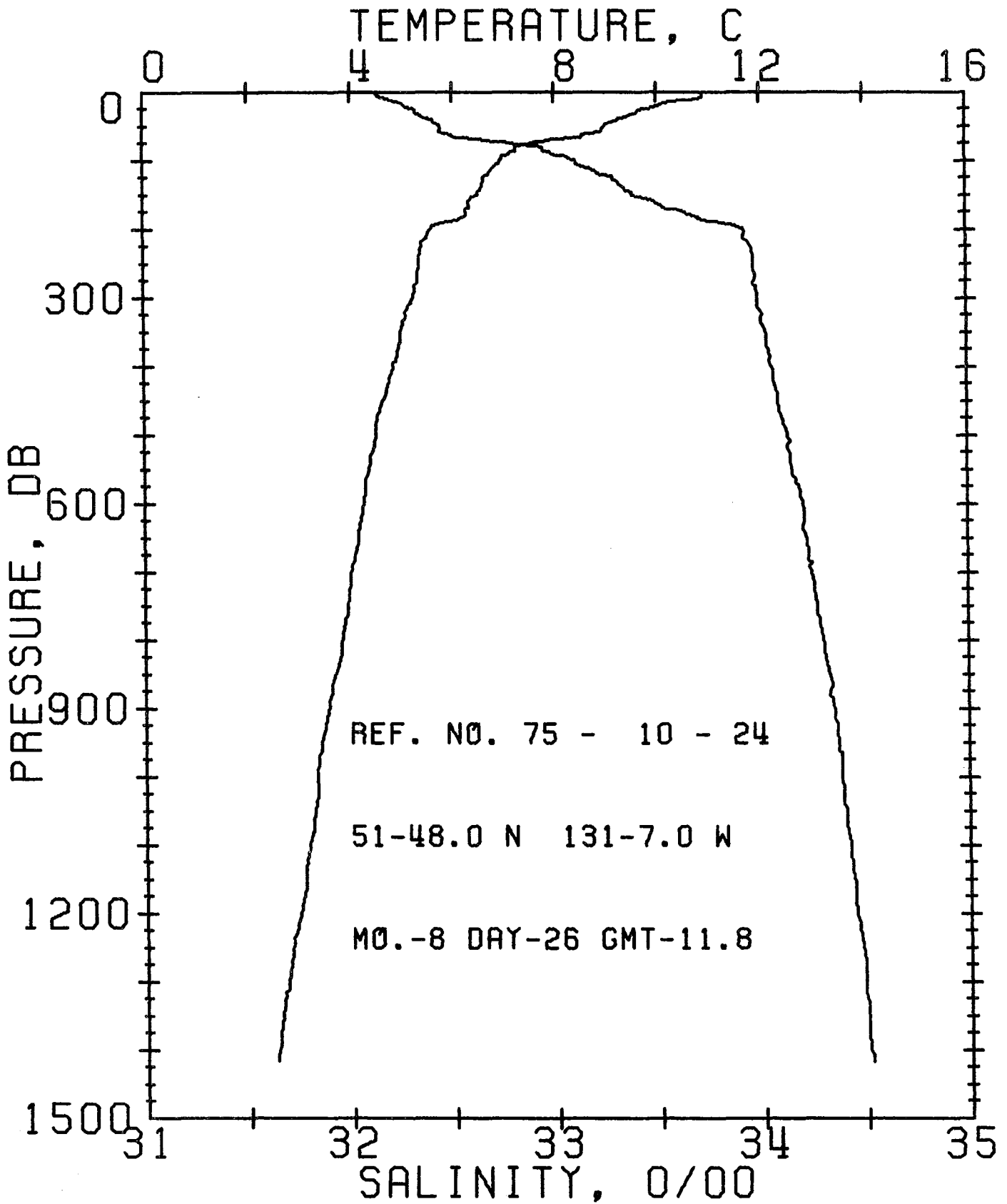
REFERENCE NO. 75-10- 23

DATE 26/ 8/75

POSITION 51- 5.0N, 132-40.0W GMT 4.8

RESULTS OF STP CAST 224 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | PCT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 12.89 | 32.14 | 0 | 24.23 | 370.5 | 0.0 | 0.0 | 1497. |
| 10 | 12.79 | 32.21 | 10 | 24.30 | 363.9 | 0.37 | 0.02 | 1497. |
| 20 | 12.71 | 32.22 | 20 | 24.33 | 361.6 | 0.73 | 0.07 | 1497. |
| 30 | 12.59 | 32.23 | 30 | 24.35 | 359.2 | 1.09 | 0.17 | 1497. |
| 50 | 8.74 | 32.30 | 50 | 25.07 | 291.0 | 1.73 | 0.42 | 1483. |
| 75 | 6.88 | 32.47 | 75 | 25.47 | 253.2 | 2.41 | 0.85 | 1476. |
| 100 | 6.84 | 32.87 | 99 | 25.79 | 222.9 | 3.01 | 1.39 | 1477. |
| 125 | 6.58 | 33.27 | 124 | 26.14 | 190.4 | 3.53 | 1.98 | 1477. |
| 150 | 6.62 | 33.63 | 149 | 26.42 | 164.5 | 3.97 | 2.60 | 1478. |
| 175 | 6.51 | 33.84 | 174 | 26.60 | 147.7 | 4.36 | 3.24 | 1478. |
| 200 | 6.31 | 33.88 | 199 | 26.65 | 142.5 | 4.72 | 3.93 | 1478. |
| 225 | 6.07 | 33.89 | 223 | 26.69 | 139.1 | 5.07 | 4.69 | 1478. |
| 250 | 5.81 | 33.90 | 248 | 26.73 | 135.5 | 5.41 | 5.52 | 1477. |
| 300 | 5.40 | 33.92 | 298 | 26.80 | 129.6 | 6.07 | 7.37 | 1476. |
| 400 | 4.76 | 34.00 | 397 | 26.93 | 117.3 | 7.30 | 11.74 | 1475. |
| 500 | 4.34 | 34.07 | 496 | 27.04 | 108.2 | 8.43 | 16.92 | 1475. |
| 600 | 4.11 | 34.15 | 595 | 27.13 | 100.3 | 9.47 | 22.76 | 1476. |
| 800 | 3.67 | 34.30 | 793 | 27.29 | 86.1 | 11.34 | 36.03 | 1478. |
| 1000 | 3.13 | 34.37 | 990 | 27.40 | 76.1 | 12.95 | 50.73 | 1479. |
| 1200 | 2.81 | 34.44 | 1188 | 27.48 | 68.4 | 14.40 | 66.99 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

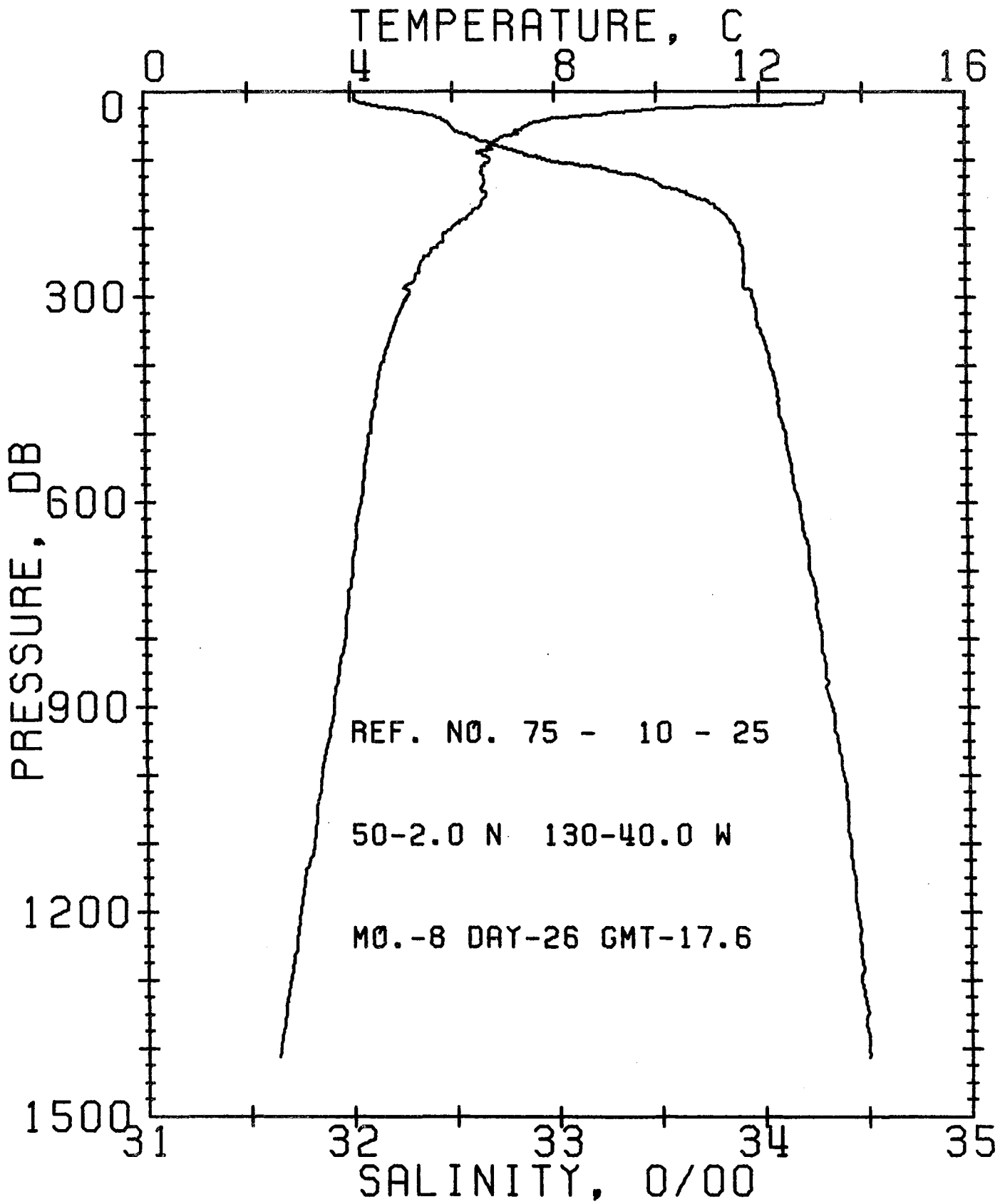
REFERENCE NO. 75-10-24

DATE 26/ 8/75

POSITION 51-48.0N, 131- 7.0W GMT 11.8

RESULTS OF STP CAST 306 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | PCT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 10.90 | 32.13 | 0 | 24.59 | 336.2 | 0.0 | 0.0 | 1490. |
| 10 | 10.82 | 32.19 | 10 | 24.65 | 330.9 | 0.33 | 0.02 | 1490. |
| 20 | 10.03 | 32.27 | 20 | 24.84 | 312.4 | 0.65 | 0.07 | 1487. |
| 30 | 9.61 | 32.32 | 30 | 24.95 | 301.9 | 0.96 | 0.14 | 1486. |
| 50 | 8.98 | 32.44 | 50 | 25.14 | 284.1 | 1.54 | 0.38 | 1484. |
| 75 | 7.52 | 32.81 | 75 | 25.65 | 236.4 | 2.22 | 0.81 | 1479. |
| 100 | 6.92 | 33.10 | 99 | 25.96 | 207.1 | 2.76 | 1.29 | 1478. |
| 125 | 6.62 | 33.29 | 124 | 26.15 | 189.4 | 3.26 | 1.86 | 1477. |
| 150 | 6.49 | 33.38 | 149 | 26.24 | 181.4 | 3.72 | 2.51 | 1477. |
| 175 | 6.28 | 33.64 | 174 | 26.47 | 159.7 | 4.14 | 3.21 | 1477. |
| 200 | 5.54 | 33.92 | 199 | 26.78 | 129.9 | 4.51 | 3.90 | 1475. |
| 225 | 5.37 | 33.95 | 223 | 26.83 | 125.9 | 4.83 | 4.59 | 1475. |
| 250 | 5.34 | 33.97 | 248 | 26.84 | 124.5 | 5.14 | 5.35 | 1475. |
| 300 | 5.21 | 33.99 | 298 | 26.88 | 122.1 | 5.76 | 7.08 | 1475. |
| 400 | 4.82 | 34.05 | 397 | 26.97 | 114.1 | 6.94 | 11.28 | 1476. |
| 500 | 4.47 | 34.13 | 496 | 27.07 | 105.2 | 8.03 | 16.30 | 1476. |
| 600 | 4.22 | 34.20 | 595 | 27.15 | 98.1 | 9.05 | 22.02 | 1477. |
| 800 | 3.81 | 34.30 | 793 | 27.27 | 87.9 | 10.92 | 35.30 | 1478. |
| 1000 | 3.31 | 34.38 | 990 | 27.39 | 77.6 | 12.56 | 50.31 | 1479. |
| 1200 | 2.97 | 34.45 | 1188 | 27.47 | 69.9 | 14.04 | 66.83 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10-25

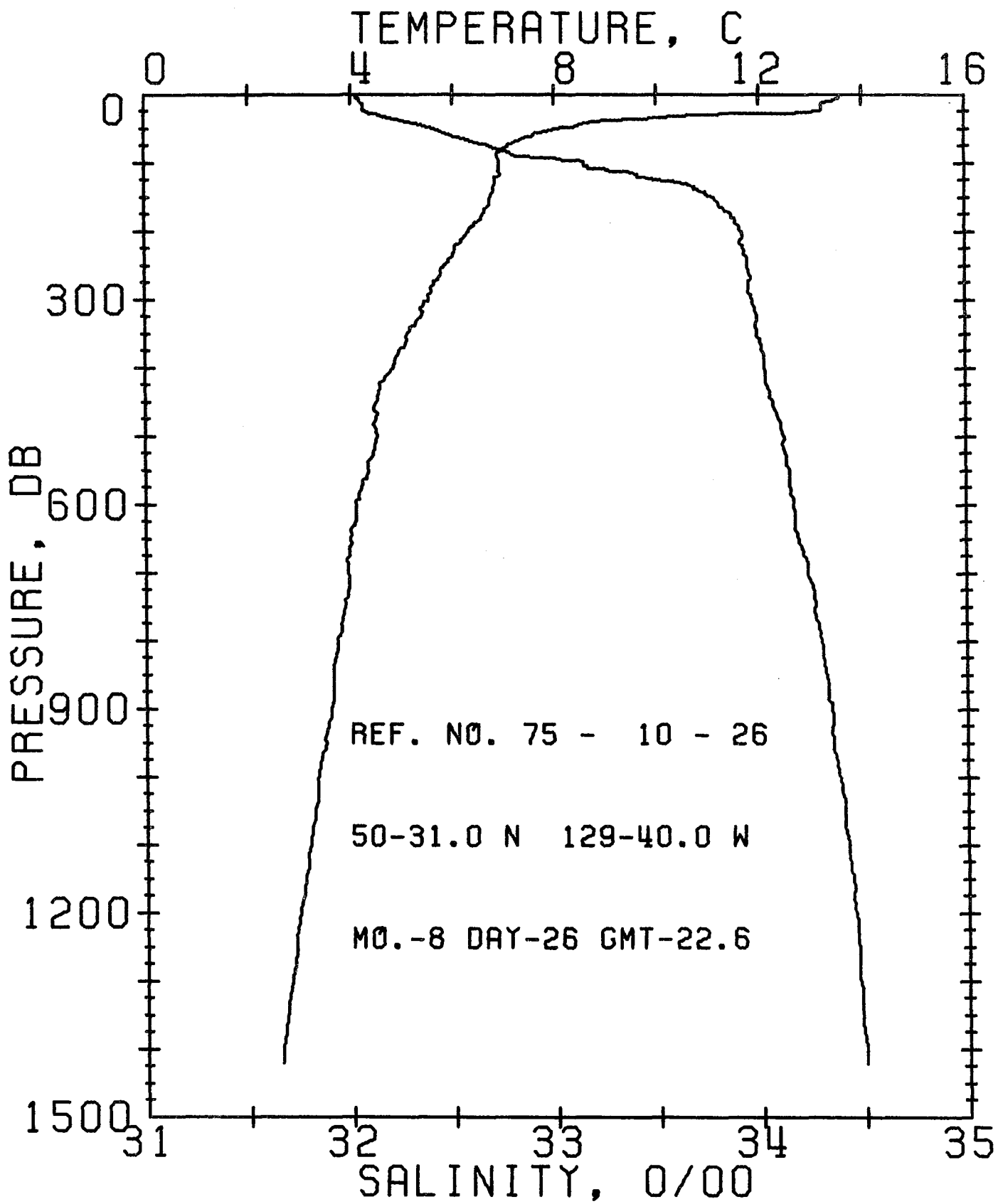
DATE 26/ 8/75

POSITION 50- 2.0N, 130-40.0W

GMT 17.6

RESULTS OF STP CAST 255 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 13.29 | 32.02 | 0 | 24.05 | 386.7 | 0.0 | 0.0 | 1498. |
| 10 | 13.27 | 32.02 | 10 | 24.06 | 386.8 | 0.39 | 0.02 | 1498. |
| 20 | 11.91 | 32.12 | 20 | 24.40 | 354.8 | 0.77 | 0.08 | 1494. |
| 30 | 9.11 | 32.35 | 30 | 25.05 | 292.4 | 1.09 | 0.16 | 1484. |
| 50 | 7.42 | 32.49 | 50 | 25.42 | 258.1 | 1.63 | 0.38 | 1478. |
| 75 | 6.75 | 32.68 | 75 | 25.65 | 235.9 | 2.25 | 0.77 | 1476. |
| 100 | 6.72 | 32.99 | 99 | 25.90 | 213.1 | 2.81 | 1.27 | 1477. |
| 125 | 6.62 | 33.44 | 124 | 26.27 | 178.3 | 3.29 | 1.82 | 1478. |
| 150 | 6.66 | 33.65 | 149 | 26.43 | 163.5 | 3.72 | 2.42 | 1478. |
| 175 | 6.38 | 33.82 | 174 | 26.60 | 147.4 | 4.10 | 3.06 | 1478. |
| 200 | 5.96 | 33.88 | 199 | 26.70 | 138.0 | 4.46 | 3.74 | 1477. |
| 225 | 5.71 | 33.91 | 223 | 26.75 | 132.9 | 4.80 | 4.47 | 1476. |
| 250 | 5.37 | 33.92 | 248 | 26.80 | 128.5 | 5.12 | 5.26 | 1475. |
| 300 | 5.10 | 33.96 | 298 | 26.87 | 122.8 | 5.75 | 7.03 | 1475. |
| 400 | 4.57 | 34.05 | 397 | 26.99 | 111.7 | 6.92 | 11.19 | 1475. |
| 500 | 4.33 | 34.12 | 496 | 27.08 | 104.3 | 8.00 | 16.14 | 1475. |
| 600 | 4.17 | 34.19 | 595 | 27.15 | 98.5 | 9.02 | 21.84 | 1476. |
| 800 | 3.83 | 34.29 | 793 | 27.26 | 88.7 | 10.89 | 35.15 | 1478. |
| 1000 | 3.39 | 34.39 | 990 | 27.38 | 77.9 | 12.56 | 50.44 | 1480. |
| 1200 | 2.95 | 34.45 | 1188 | 27.48 | 69.4 | 14.04 | 66.97 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

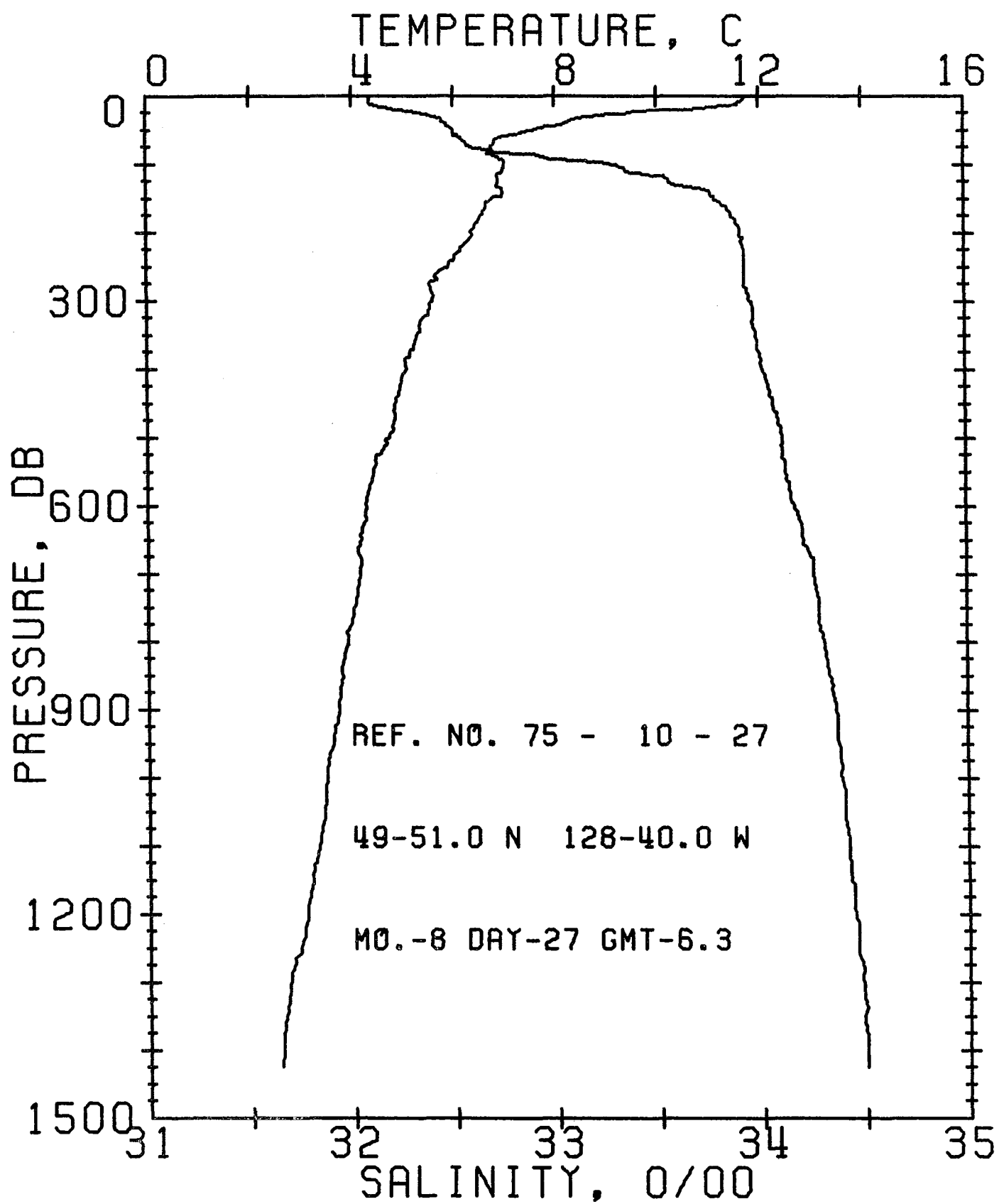
REFERENCE NO. 75-10-26

DATE 26/ 8/75

POSITION 50-31.0N, 129-40.0W GMT 22.6

RESULTS OF STP CAST 299 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | FCT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 13.58 | 32.03 | 0 | 24.00 | 391.6 | 0.0 | 0.0 | 1499. |
| 10 | 13.34 | 32.05 | 10 | 24.07 | 386.0 | 0.39 | 0.02 | 1499. |
| 20 | 13.22 | 32.06 | 20 | 24.10 | 383.2 | 0.77 | 0.08 | 1498. |
| 30 | 10.81 | 32.14 | 30 | 24.61 | 334.8 | 1.14 | 0.17 | 1490. |
| 50 | 8.04 | 32.41 | 50 | 25.26 | 272.8 | 1.74 | 0.41 | 1481. |
| 75 | 7.09 | 32.69 | 75 | 25.61 | 239.6 | 2.38 | 0.82 | 1478. |
| 100 | 6.90 | 33.15 | 99 | 26.00 | 203.2 | 2.93 | 1.31 | 1478. |
| 125 | 6.84 | 33.54 | 124 | 26.32 | 173.7 | 3.41 | 1.86 | 1479. |
| 150 | 6.72 | 33.78 | 149 | 26.52 | 154.7 | 3.82 | 2.42 | 1479. |
| 175 | 6.58 | 33.86 | 174 | 26.60 | 146.9 | 4.19 | 3.05 | 1479. |
| 200 | 6.31 | 33.92 | 199 | 26.68 | 139.6 | 4.55 | 3.73 | 1478. |
| 225 | 6.03 | 33.92 | 223 | 26.72 | 136.3 | 4.90 | 4.48 | 1477. |
| 250 | 5.82 | 33.94 | 248 | 26.76 | 132.6 | 5.23 | 5.29 | 1477. |
| 300 | 5.51 | 33.97 | 298 | 26.82 | 127.3 | 5.88 | 7.11 | 1477. |
| 400 | 4.81 | 34.02 | 397 | 26.95 | 116.2 | 7.09 | 11.43 | 1475. |
| 500 | 4.48 | 34.11 | 496 | 27.06 | 106.5 | 8.20 | 16.48 | 1476. |
| 600 | 4.07 | 34.16 | 595 | 27.14 | 99.4 | 9.23 | 22.26 | 1476. |
| 800 | 3.72 | 34.29 | 793 | 27.28 | 87.1 | 11.10 | 35.54 | 1478. |
| 1000 | 3.32 | 34.38 | 990 | 27.38 | 77.8 | 12.75 | 50.69 | 1480. |
| 1200 | 2.95 | 34.45 | 1188 | 27.48 | 69.4 | 14.23 | 67.20 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

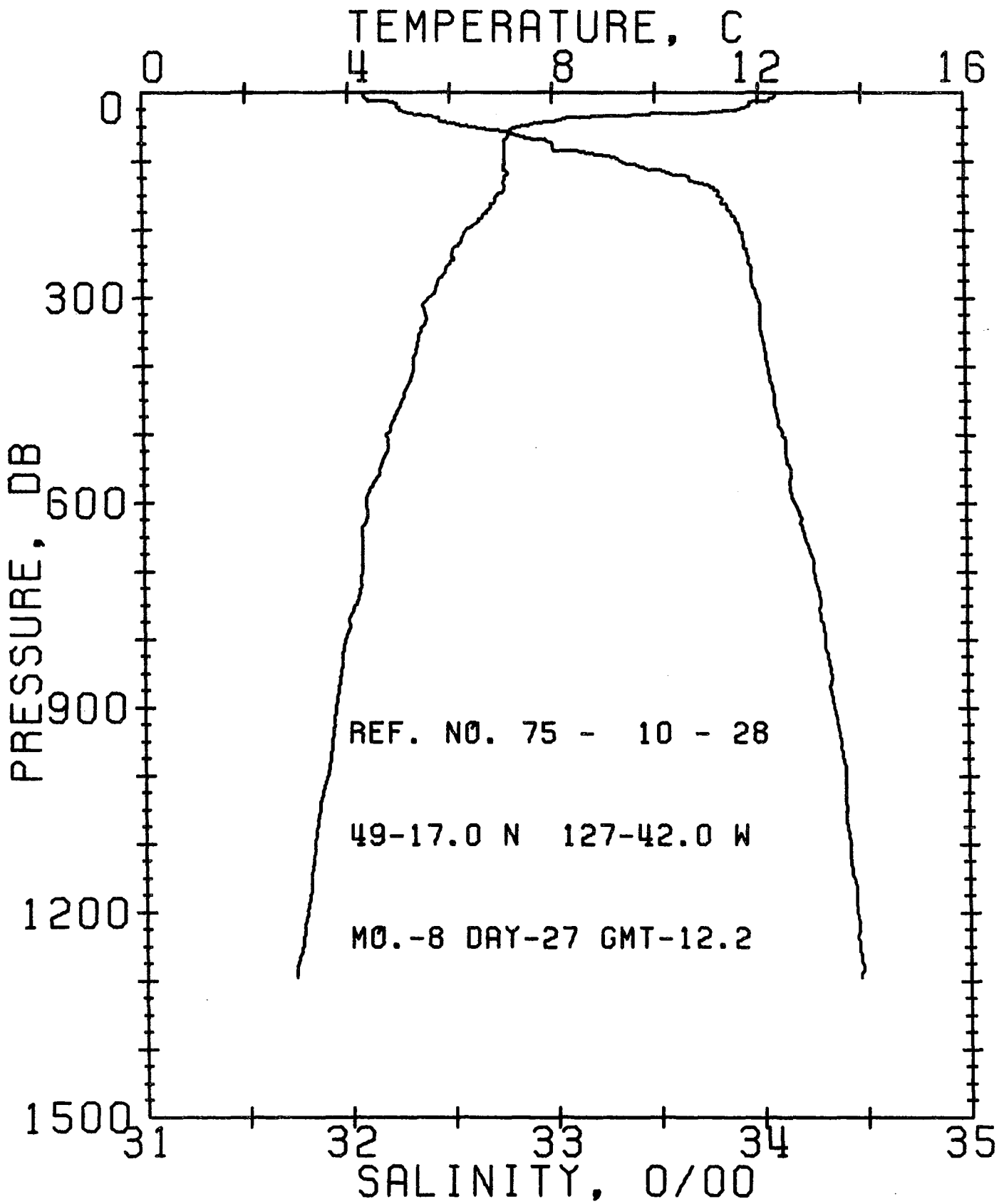
REFERENCE NO. 75-10- 27

DATE 27/ 8/75

POSITION 49-51.0N, 128-40.0W GMT 6.3

RESULTS OF STP CAST 344 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.64 | 32.09 | 0 | 24.42 | 351.7 | 0.0 | 0.0 | 1493. |
| 10 | 11.61 | 32.09 | 10 | 24.43 | 351.4 | 0.35 | 0.02 | 1493. |
| 20 | 10.04 | 32.25 | 20 | 24.82 | 314.0 | 0.69 | 0.07 | 1487. |
| 30 | 8.60 | 32.42 | 30 | 25.19 | 279.7 | 0.99 | 0.14 | 1482. |
| 50 | 7.55 | 32.50 | 50 | 25.40 | 259.4 | 1.53 | 0.36 | 1479. |
| 75 | 6.76 | 32.61 | 75 | 25.59 | 241.3 | 2.15 | 0.76 | 1476. |
| 100 | 7.01 | 33.29 | 99 | 26.09 | 194.4 | 2.69 | 1.24 | 1478. |
| 125 | 6.87 | 33.56 | 124 | 26.33 | 172.5 | 3.15 | 1.76 | 1479. |
| 150 | 6.76 | 33.78 | 149 | 26.52 | 155.0 | 3.56 | 2.33 | 1479. |
| 175 | 6.53 | 33.87 | 174 | 26.62 | 145.7 | 3.93 | 2.55 | 1479. |
| 200 | 6.36 | 33.91 | 199 | 26.67 | 140.9 | 4.29 | 3.63 | 1478. |
| 225 | 6.12 | 33.93 | 223 | 26.72 | 136.8 | 4.63 | 4.39 | 1478. |
| 250 | 5.84 | 33.93 | 248 | 26.75 | 133.7 | 4.97 | 5.20 | 1477. |
| 300 | 5.56 | 33.96 | 298 | 26.81 | 128.5 | 5.63 | 7.03 | 1477. |
| 400 | 5.05 | 34.01 | 397 | 26.91 | 119.7 | 6.86 | 11.45 | 1476. |
| 500 | 4.68 | 34.11 | 496 | 27.03 | 109.1 | 8.00 | 16.67 | 1477. |
| 600 | 4.28 | 34.16 | 595 | 27.12 | 101.3 | 9.06 | 22.56 | 1477. |
| 800 | 3.90 | 34.31 | 793 | 27.27 | 88.1 | 10.94 | 35.92 | 1479. |
| 1000 | 3.47 | 34.38 | 990 | 27.37 | 79.2 | 12.59 | 51.09 | 1480. |
| 1200 | 3.07 | 34.45 | 1188 | 27.46 | 71.2 | 14.09 | 67.91 | 1482. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10-28

DATE 27/ 8/75

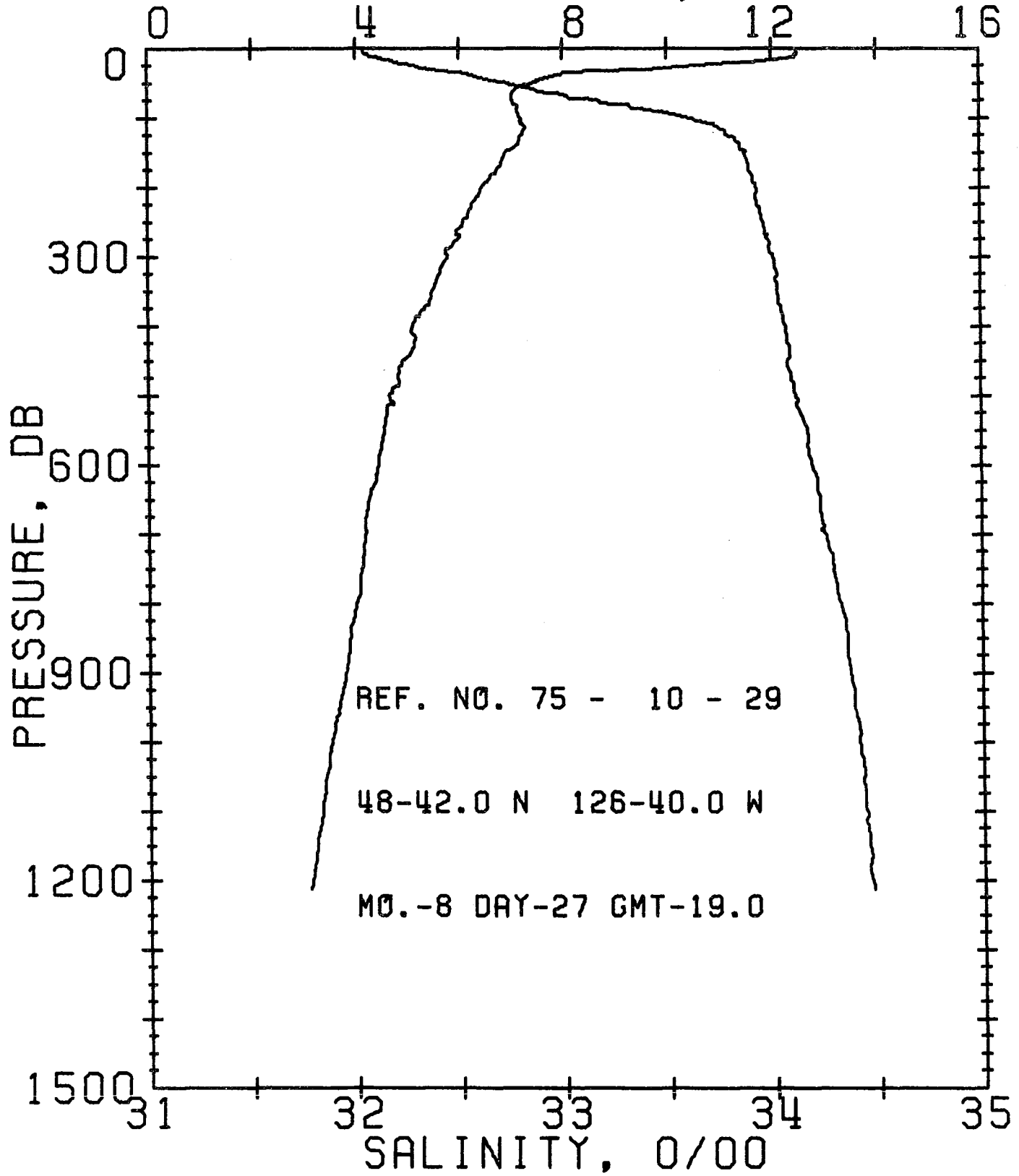
POSITION 49-17.0N, 127-42.0W

GMT 12.2

RESULTS OF STP CAST 297 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 12.35 | 32.08 | 0 | 24.28 | 365.0 | 0.0 | 0.0 | 1495. |
| 10 | 12.21 | 32.10 | 10 | 24.32 | 361.4 | 0.36 | 0.02 | 1495. |
| 20 | 11.81 | 32.24 | 20 | 24.51 | 344.3 | 0.71 | 0.07 | 1494. |
| 30 | 9.92 | 32.32 | 30 | 24.90 | 307.1 | 1.05 | 0.16 | 1487. |
| 50 | 7.35 | 32.62 | 50 | 25.52 | 247.8 | 1.59 | 0.38 | 1478. |
| 75 | 7.08 | 33.00 | 75 | 25.86 | 216.3 | 2.16 | 0.74 | 1478. |
| 100 | 7.06 | 33.34 | 99 | 26.13 | 191.1 | 2.67 | 1.19 | 1479. |
| 125 | 7.06 | 33.66 | 124 | 26.38 | 167.6 | 3.12 | 1.70 | 1480. |
| 150 | 6.94 | 33.80 | 149 | 26.51 | 156.0 | 3.52 | 2.26 | 1480. |
| 175 | 6.69 | 33.87 | 174 | 26.60 | 147.8 | 3.90 | 2.89 | 1479. |
| 200 | 6.32 | 33.91 | 199 | 26.68 | 140.4 | 4.26 | 3.58 | 1478. |
| 225 | 6.09 | 33.93 | 223 | 26.72 | 136.4 | 4.61 | 4.33 | 1478. |
| 250 | 5.98 | 33.95 | 248 | 26.75 | 133.8 | 4.94 | 5.14 | 1478. |
| 300 | 5.59 | 33.99 | 298 | 26.83 | 126.6 | 5.59 | 6.97 | 1477. |
| 400 | 5.25 | 34.04 | 397 | 26.91 | 120.2 | 6.83 | 11.37 | 1477. |
| 500 | 4.72 | 34.11 | 496 | 27.03 | 109.5 | 7.98 | 16.65 | 1477. |
| 600 | 4.31 | 34.16 | 595 | 27.11 | 102.1 | 9.05 | 22.61 | 1477. |
| 800 | 3.89 | 34.31 | 793 | 27.27 | 87.8 | 10.94 | 36.08 | 1479. |
| 1000 | 3.52 | 34.40 | 990 | 27.38 | 78.6 | 12.61 | 51.35 | 1480. |
| 1200 | 3.12 | 34.45 | 1188 | 27.46 | 71.5 | 14.11 | 68.16 | 1482. |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY GROUP

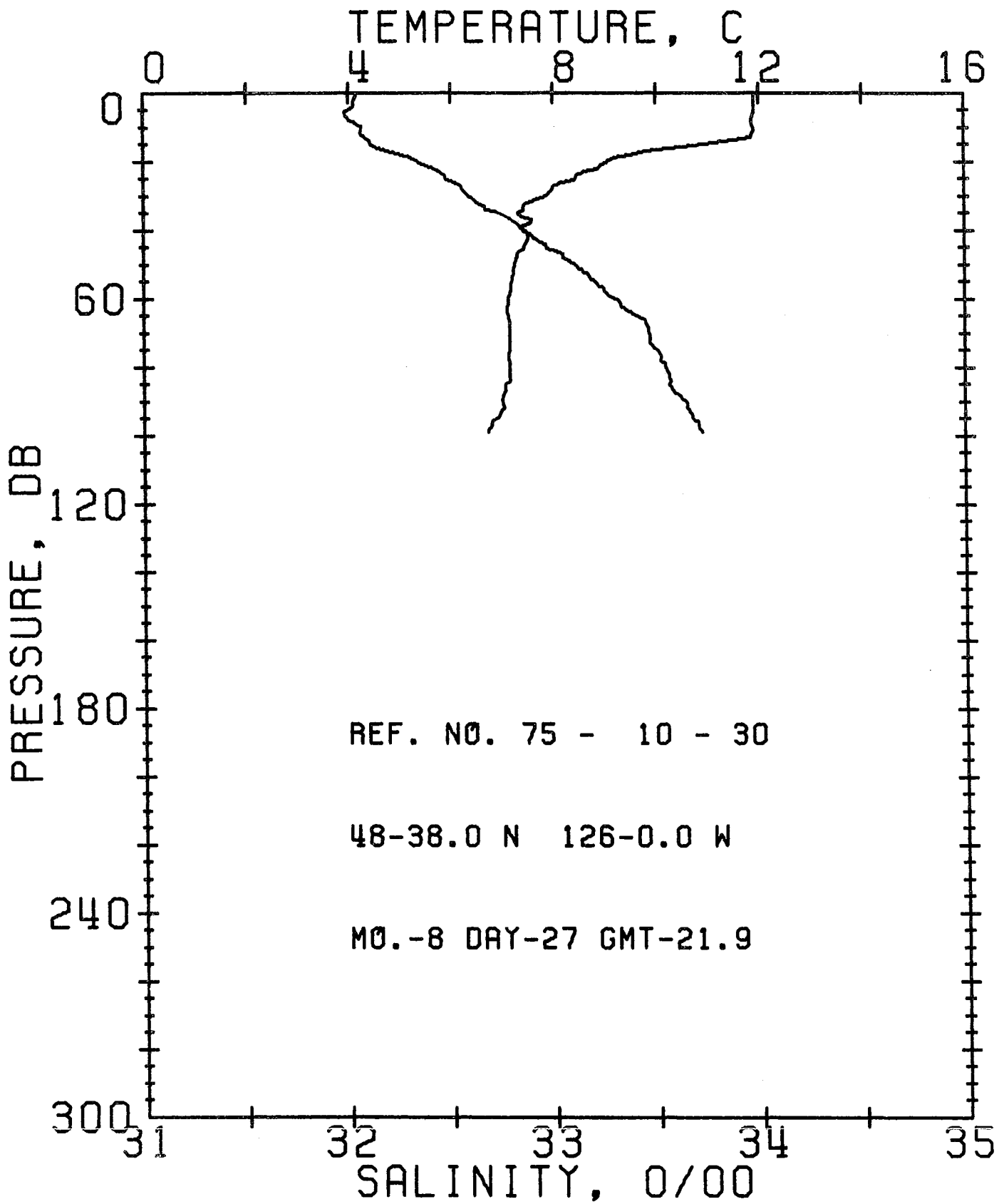
REFERENCE NO. 75-10-29

DATE 27/ 8/75

POSITION 48-42.0N, 126-40.0W GMT 19.0

RESULTS OF STP CAST 302 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 12.49 | 32.04 | 0 | 24.23 | 370.5 | 0.0 | 0.0 | 1495. |
| 10 | 12.45 | 32.07 | 10 | 24.26 | 368.0 | 0.37 | 0.02 | 1496. |
| 20 | 11.24 | 32.20 | 20 | 24.58 | 337.4 | 0.73 | 0.07 | 1492. |
| 30 | 9.40 | 32.37 | 30 | 25.02 | 295.3 | 1.04 | 0.15 | 1485. |
| 50 | 7.40 | 32.74 | 50 | 25.61 | 239.6 | 1.56 | 0.36 | 1478. |
| 75 | 7.03 | 33.17 | 75 | 26.00 | 203.0 | 2.11 | 0.71 | 1478. |
| 100 | 7.19 | 33.61 | 99 | 26.32 | 172.7 | 2.58 | 1.13 | 1480. |
| 125 | 7.18 | 33.80 | 124 | 26.47 | 158.8 | 2.99 | 1.60 | 1480. |
| 150 | 6.89 | 33.87 | 149 | 26.57 | 149.8 | 3.37 | 2.14 | 1480. |
| 175 | 6.69 | 33.89 | 174 | 26.61 | 146.3 | 3.75 | 2.75 | 1479. |
| 200 | 6.42 | 33.92 | 199 | 26.67 | 140.7 | 4.10 | 3.44 | 1479. |
| 225 | 6.24 | 33.93 | 223 | 26.70 | 138.3 | 4.45 | 4.19 | 1478. |
| 250 | 6.06 | 33.96 | 248 | 26.75 | 134.3 | 4.79 | 5.02 | 1478. |
| 300 | 5.76 | 34.00 | 298 | 26.82 | 128.0 | 5.45 | 6.85 | 1478. |
| 400 | 5.07 | 34.06 | 397 | 26.95 | 116.6 | 6.68 | 11.22 | 1477. |
| 500 | 4.64 | 34.11 | 496 | 27.03 | 108.6 | 7.81 | 16.43 | 1477. |
| 600 | 4.42 | 34.18 | 595 | 27.12 | 101.5 | 8.86 | 22.30 | 1477. |
| 800 | 3.97 | 34.32 | 793 | 27.27 | 88.2 | 10.75 | 35.76 | 1479. |
| 1000 | 3.49 | 34.40 | 991 | 27.39 | 78.0 | 12.41 | 50.93 | 1480. |
| 1200 | 3.10 | 34.46 | 1188 | 27.47 | 70.7 | 13.89 | 67.50 | 1482. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 30

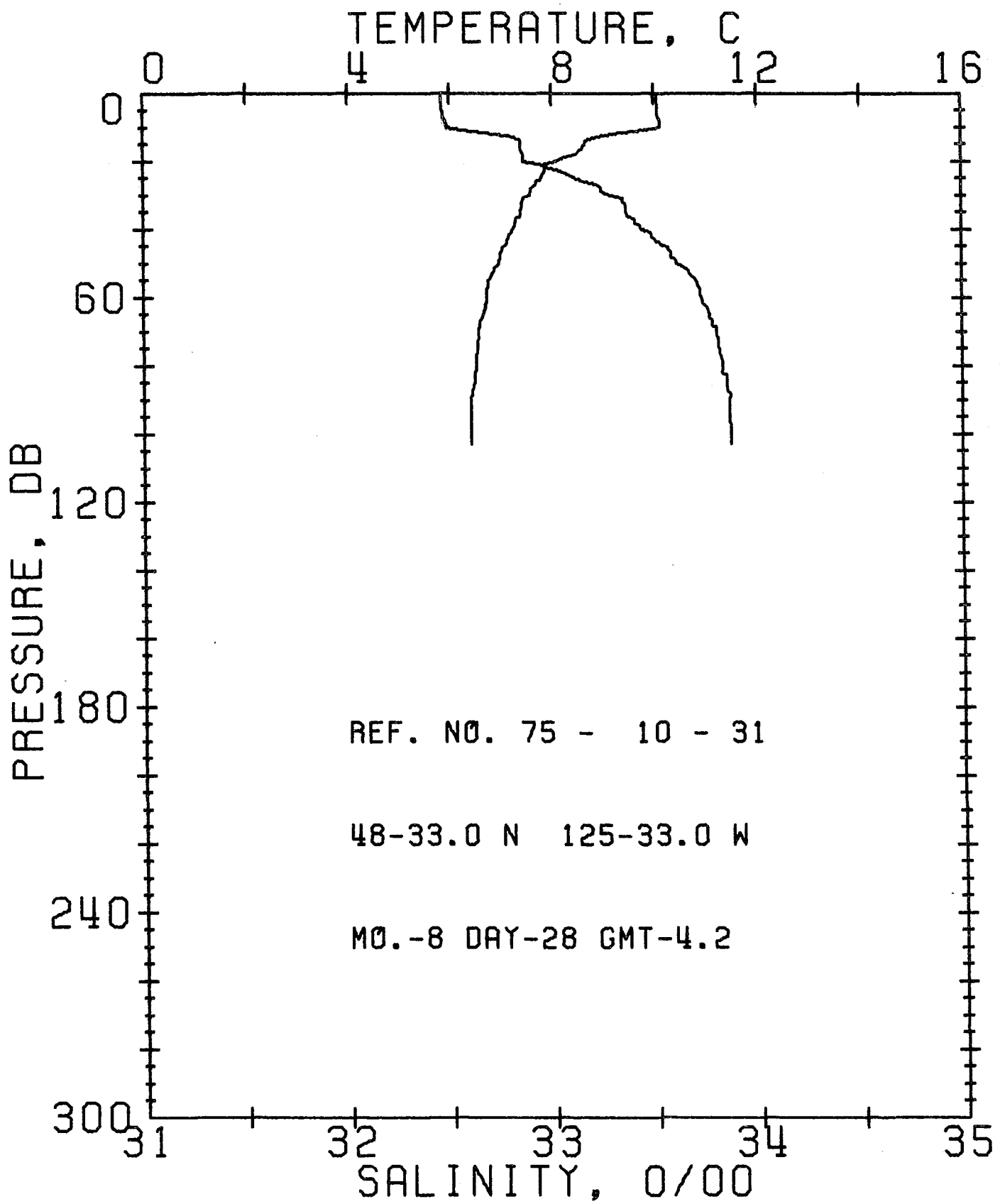
DATE 27/ 8/75

POSITION 48-38.0N, 126- 0.0W GMT 21.9

RESULTS OF STP CAST 87 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.92 | 32.04 | 0 | 24.33 | 360.3 | 0.0 | 0.0 | 1493. |
| 10 | 11.89 | 32.07 | 10 | 24.36 | 358.0 | 0.36 | 0.02 | 1494. |
| 20 | 9.07 | 32.34 | 20 | 25.05 | 292.4 | 0.69 | 0.07 | 1484. |
| 30 | 7.88 | 32.59 | 30 | 25.43 | 256.9 | 0.97 | 0.14 | 1480. |
| 50 | 7.26 | 33.11 | 50 | 25.92 | 210.1 | 1.43 | 0.32 | 1478. |
| 75 | 7.14 | 33.51 | 75 | 26.25 | 179.1 | 1.91 | 0.63 | 1479. |

| DEPTH | TEMP | SAL | DEPTH | TEMP | SAL |
|-------|-------|-------|-------|------|-------|
| 0. | 11.92 | 32.04 | 52. | 7.23 | 33.15 |
| 1. | 11.92 | 32.04 | 53. | 7.22 | 33.17 |
| 3. | 11.92 | 32.03 | 54. | 7.21 | 33.18 |
| 4. | 11.92 | 32.03 | 55. | 7.20 | 33.20 |
| 5. | 11.92 | 31.99 | 56. | 7.17 | 33.22 |
| 6. | 11.91 | 31.98 | 57. | 7.17 | 33.24 |
| 7. | 11.89 | 31.99 | 58. | 7.16 | 33.25 |
| 8. | 11.88 | 32.01 | 59. | 7.15 | 33.27 |
| 9. | 11.87 | 32.04 | 60. | 7.13 | 33.31 |
| 10. | 11.89 | 32.07 | 61. | 7.12 | 33.32 |
| 11. | 11.91 | 32.06 | 62. | 7.11 | 33.33 |
| 12. | 11.90 | 32.06 | 63. | 7.10 | 33.35 |
| 13. | 11.87 | 32.08 | 64. | 7.10 | 33.38 |
| 14. | 11.34 | 32.10 | 65. | 7.11 | 33.42 |
| 15. | 10.95 | 32.11 | 66. | 7.13 | 33.44 |
| 16. | 10.26 | 32.15 | 67. | 7.14 | 33.45 |
| 17. | 9.82 | 32.19 | 69. | 7.15 | 33.46 |
| 18. | 9.48 | 32.26 | 70. | 7.15 | 33.46 |
| 19. | 9.19 | 32.31 | 71. | 7.15 | 33.47 |
| 20. | 9.07 | 32.34 | 73. | 7.15 | 33.47 |
| 21. | 8.97 | 32.37 | 74. | 7.15 | 33.49 |
| 22. | 8.87 | 32.42 | 75. | 7.14 | 33.51 |
| 23. | 8.62 | 32.45 | 77. | 7.13 | 33.52 |
| 24. | 8.49 | 32.47 | 78. | 7.13 | 33.52 |
| 25. | 8.42 | 32.48 | 79. | 7.14 | 33.54 |
| 26. | 8.19 | 32.52 | 80. | 7.14 | 33.54 |
| 27. | 8.04 | 32.54 | 81. | 7.14 | 33.55 |
| 29. | 7.95 | 32.57 | 82. | 7.14 | 33.56 |
| 30. | 7.88 | 32.59 | 83. | 7.14 | 33.56 |
| 31. | 7.71 | 32.61 | 84. | 7.14 | 33.57 |
| 32. | 7.48 | 32.63 | 87. | 7.06 | 33.58 |
| 33. | 7.43 | 32.66 | 88. | 7.03 | 33.61 |
| 34. | 7.42 | 32.67 | 89. | 7.01 | 33.62 |
| 35. | 7.31 | 32.75 | 90. | 6.99 | 33.64 |
| 36. | 7.38 | 32.78 | 91. | 7.02 | 33.65 |
| 37. | 7.61 | 32.81 | 92. | 7.03 | 33.65 |
| 38. | 7.55 | 32.84 | 93. | 6.99 | 33.66 |
| 39. | 7.38 | 32.86 | 94. | 6.95 | 33.67 |
| 40. | 7.42 | 32.88 | 95. | 6.86 | 33.68 |
| 41. | 7.49 | 32.91 | 96. | 6.81 | 33.70 |
| 43. | 7.51 | 32.96 | 97. | 6.80 | 33.70 |
| 46. | 7.36 | 33.03 | 98. | 6.76 | 33.71 |
| 49. | 7.29 | 33.08 | 99. | 6.71 | 33.72 |
| 50. | 7.26 | 33.11 | | | |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10-31

DATE 28/ 8/75

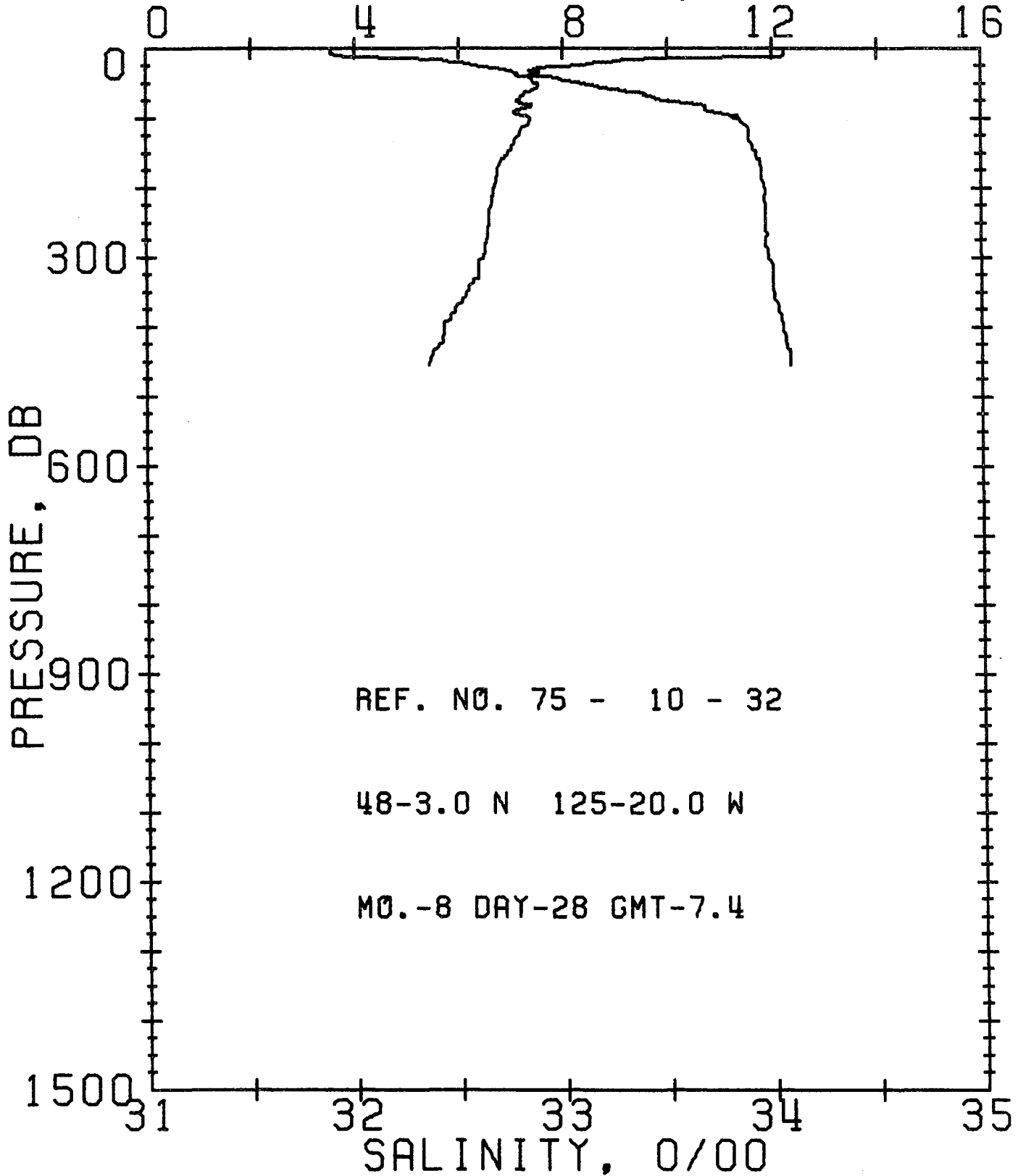
POSITION 48-33.0N, 125-33.0W GMT 4.2

RESULTS OF STP CAST 83 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 10.09 | 32.46 | 0 | 24.98 | 298.6 | 0.0 | 0.0 | 1487. |
| 10 | 10.14 | 32.49 | 10 | 24.99 | 297.6 | 0.30 | 0.02 | 1488. |
| 20 | 8.10 | 32.86 | 20 | 25.60 | 239.7 | 0.55 | 0.05 | 1481. |
| 30 | 7.57 | 33.29 | 30 | 26.02 | 200.5 | 0.77 | 0.11 | 1480. |
| 50 | 6.95 | 33.61 | 50 | 26.36 | 168.8 | 1.14 | 0.26 | 1478. |
| 75 | 6.53 | 33.81 | 75 | 26.57 | 148.7 | 1.53 | 0.50 | 1477. |
| 100 | 6.40 | 33.87 | 99 | 26.63 | 143.1 | 1.89 | 0.83 | 1477. |

| DEPTH | TEMP | SAL | DEPTH | TEMP | SAL |
|-------|-------|-------|-------|------|-------|
| 0. | 10.09 | 32.46 | 47. | 6.99 | 33.58 |
| 1. | 10.09 | 32.46 | 48. | 6.99 | 33.58 |
| 4. | 10.09 | 32.46 | 49. | 6.97 | 33.60 |
| 6. | 10.09 | 32.47 | 50. | 6.95 | 33.61 |
| 7. | 10.11 | 32.47 | 51. | 6.91 | 33.64 |
| 8. | 10.13 | 32.48 | 52. | 6.85 | 33.66 |
| 10. | 10.14 | 32.49 | 53. | 6.82 | 33.67 |
| 11. | 9.83 | 32.56 | 54. | 6.81 | 33.69 |
| 12. | 9.20 | 32.73 | 55. | 6.76 | 33.70 |
| 13. | 8.90 | 32.82 | 56. | 6.75 | 33.71 |
| 14. | 8.67 | 32.85 | 58. | 6.72 | 33.72 |
| 15. | 8.64 | 32.85 | 59. | 6.72 | 33.72 |
| 16. | 8.60 | 32.85 | 61. | 6.71 | 33.73 |
| 17. | 8.56 | 32.85 | 62. | 6.70 | 33.74 |
| 18. | 8.47 | 32.86 | 63. | 6.68 | 33.75 |
| 19. | 8.25 | 32.86 | 65. | 6.63 | 33.77 |
| 20. | 8.10 | 32.86 | 66. | 6.62 | 33.77 |
| 21. | 7.88 | 32.94 | 67. | 6.60 | 33.78 |
| 22. | 7.86 | 32.99 | 68. | 6.59 | 33.78 |
| 23. | 7.86 | 33.05 | 69. | 6.57 | 33.80 |
| 24. | 7.82 | 33.08 | 70. | 6.56 | 33.80 |
| 25. | 7.78 | 33.13 | 74. | 6.54 | 33.81 |
| 26. | 7.72 | 33.16 | 78. | 6.52 | 33.82 |
| 27. | 7.67 | 33.22 | 79. | 6.52 | 33.83 |
| 28. | 7.59 | 33.24 | 80. | 6.52 | 33.83 |
| 29. | 7.58 | 33.24 | 81. | 6.51 | 33.83 |
| 30. | 7.57 | 33.29 | 82. | 6.48 | 33.83 |
| 31. | 7.44 | 33.35 | 83. | 6.47 | 33.85 |
| 32. | 7.42 | 33.35 | 84. | 6.47 | 33.85 |
| 33. | 7.41 | 33.36 | 86. | 6.45 | 33.85 |
| 35. | 7.40 | 33.36 | 87. | 6.44 | 33.85 |
| 36. | 7.39 | 33.37 | 88. | 6.43 | 33.86 |
| 37. | 7.32 | 33.40 | 89. | 6.41 | 33.87 |
| 38. | 7.28 | 33.41 | 90. | 6.41 | 33.86 |
| 39. | 7.27 | 33.43 | 93. | 6.41 | 33.86 |
| 40. | 7.23 | 33.44 | 94. | 6.41 | 33.86 |
| 41. | 7.20 | 33.48 | 95. | 6.41 | 33.86 |
| 42. | 7.14 | 33.49 | 96. | 6.41 | 33.86 |
| 43. | 7.11 | 33.50 | 98. | 6.41 | 33.87 |
| 44. | 7.11 | 33.53 | 102. | 6.40 | 33.87 |
| 45. | 7.04 | 33.57 | 103. | 6.40 | 33.87 |
| 46. | 7.00 | 33.57 | | | |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY GROUP

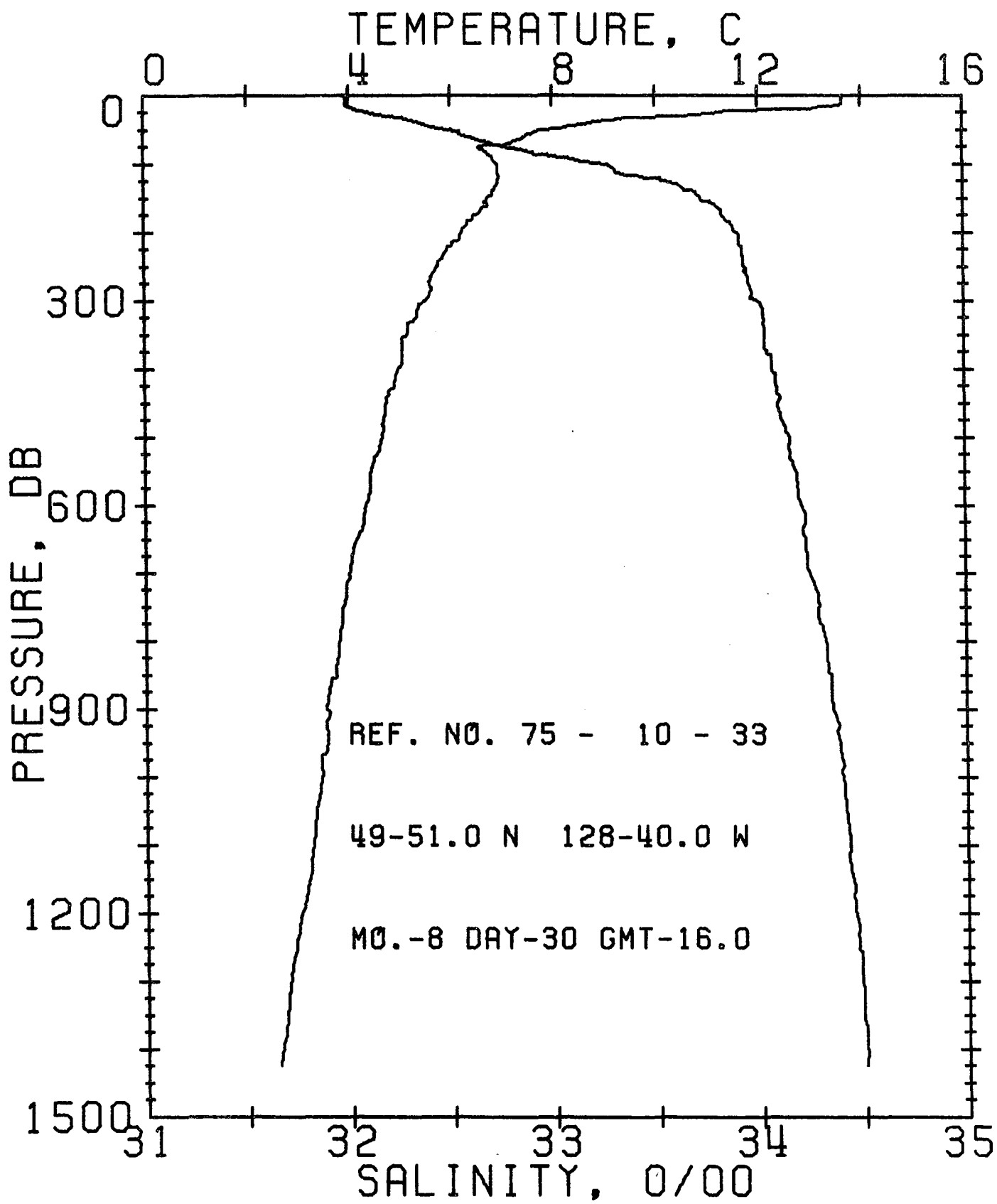
REFERENCE NO. 75-10- 32

DATE 28/ 8/75

POSITION 48- 3.0N, 125-20.0W GMT 7.4

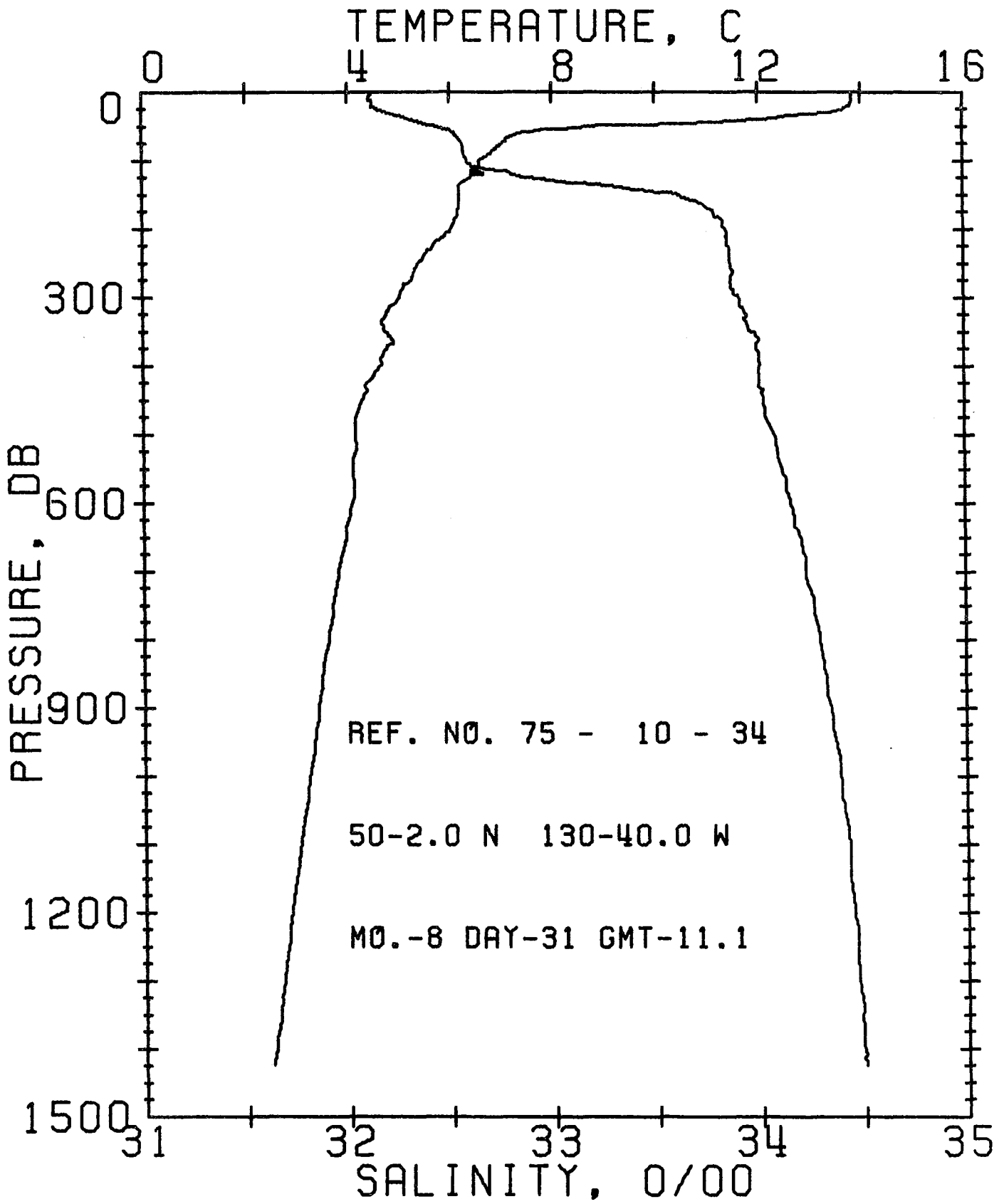
RESULTS OF STP CAST 192 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 12.24 | 31.88 | 0 | 24.15 | 377.8 | 0.0 | 0.0 | 1494. |
| 10 | 12.23 | 31.93 | 10 | 24.19 | 374.4 | 0.38 | 0.02 | 1495. |
| 20 | 8.63 | 32.51 | 20 | 25.25 | 273.3 | 0.70 | 0.07 | 1482. |
| 30 | 7.43 | 32.72 | 30 | 25.59 | 241.2 | 0.95 | 0.13 | 1478. |
| 50 | 7.51 | 33.11 | 50 | 25.89 | 213.5 | 1.41 | 0.32 | 1479. |
| 75 | 7.13 | 33.51 | 75 | 26.25 | 179.0 | 1.90 | 0.63 | 1479. |
| 100 | 7.39 | 33.84 | 99 | 26.48 | 158.3 | 2.31 | 0.99 | 1481. |
| 125 | 7.14 | 33.89 | 124 | 26.55 | 151.6 | 2.70 | 1.44 | 1480. |
| 150 | 6.94 | 33.93 | 149 | 26.61 | 146.6 | 3.07 | 1.96 | 1480. |
| 175 | 6.75 | 33.95 | 174 | 26.65 | 142.7 | 3.43 | 2.56 | 1480. |
| 200 | 6.69 | 33.96 | 199 | 26.67 | 141.2 | 3.79 | 3.24 | 1480. |
| 225 | 6.63 | 33.97 | 223 | 26.68 | 140.3 | 4.14 | 4.00 | 1480. |
| 250 | 6.58 | 33.97 | 248 | 26.69 | 140.0 | 4.49 | 4.85 | 1480. |
| 300 | 6.46 | 33.98 | 298 | 26.71 | 138.4 | 5.19 | 6.80 | 1480. |
| 400 | 5.72 | 34.05 | 397 | 26.86 | 124.9 | 6.51 | 11.51 | 1479. |



OFFSHORE OCEANOGRAPHY GROUP
 REFERENCE NO. 75-10- 33 DATE 30/ 8/75
 POSITION 49-51.0N, 128-40.0W GMT 16.0
 RESULTS OF STP CAST 346 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 13.66 | 31.97 | 0 | 23.94 | 397.5 | 0.0 | 0.0 | 1499. |
| 10 | 13.66 | 31.99 | 10 | 23.96 | 396.5 | 0.40 | 0.02 | 1499. |
| 20 | 12.19 | 32.04 | 20 | 24.28 | 365.8 | 0.79 | 0.08 | 1495. |
| 30 | 10.08 | 32.22 | 30 | 24.79 | 317.0 | 1.13 | 0.17 | 1488. |
| 50 | 7.72 | 32.51 | 50 | 25.39 | 260.6 | 1.70 | 0.40 | 1479. |
| 75 | 6.57 | 32.79 | 75 | 25.76 | 225.5 | 2.32 | 0.79 | 1476. |
| 100 | 6.91 | 33.26 | 99 | 26.09 | 194.7 | 2.85 | 1.26 | 1478. |
| 125 | 6.92 | 33.57 | 124 | 26.33 | 172.4 | 3.31 | 1.79 | 1479. |
| 150 | 6.74 | 33.72 | 149 | 26.47 | 159.5 | 3.73 | 2.37 | 1479. |
| 175 | 6.45 | 33.83 | 174 | 26.60 | 147.7 | 4.11 | 3.00 | 1478. |
| 200 | 6.21 | 33.89 | 199 | 26.68 | 140.2 | 4.47 | 3.69 | 1478. |
| 225 | 5.91 | 33.92 | 223 | 26.74 | 134.9 | 4.81 | 4.43 | 1477. |
| 250 | 5.73 | 33.93 | 248 | 26.77 | 132.2 | 5.15 | 5.24 | 1477. |
| 300 | 5.48 | 33.99 | 298 | 26.85 | 125.0 | 5.79 | 7.05 | 1477. |
| 400 | 4.95 | 34.06 | 397 | 26.96 | 114.6 | 6.98 | 11.28 | 1476. |
| 500 | 4.63 | 34.15 | 496 | 27.07 | 105.8 | 8.08 | 16.33 | 1476. |
| 600 | 4.30 | 34.20 | 595 | 27.15 | 98.6 | 9.11 | 22.07 | 1477. |
| 800 | 3.78 | 34.32 | 793 | 27.29 | 86.2 | 10.96 | 35.24 | 1478. |
| 1000 | 3.42 | 34.39 | 990 | 27.39 | 77.8 | 12.59 | 50.18 | 1480. |
| 1200 | 3.01 | 34.45 | 1188 | 27.47 | 70.0 | 14.07 | 66.77 | 1482. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 34

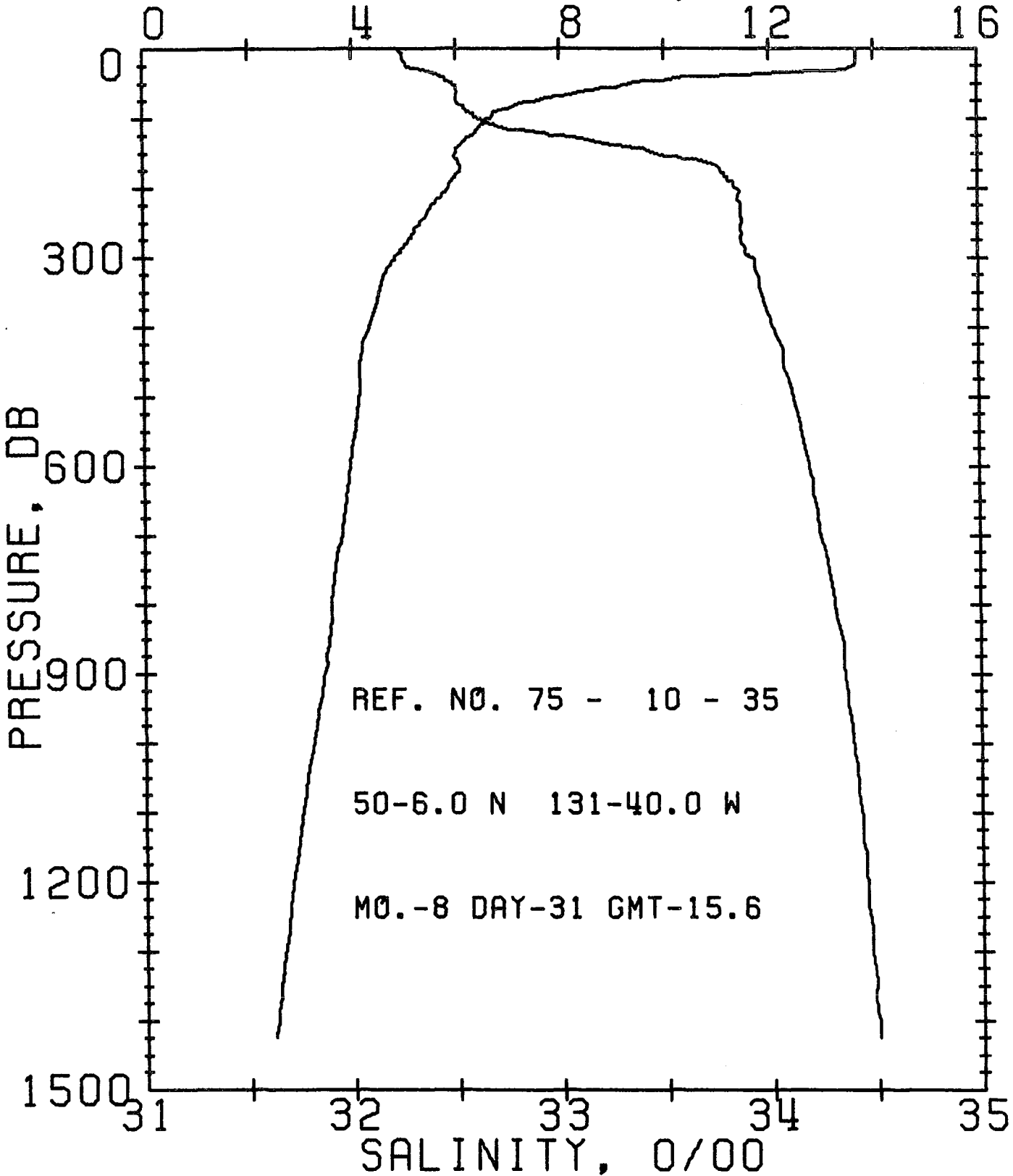
DATE 31/ 8/75

POSITION 50- 2.0N, 130-40.0W GMT 11.1

RESULTS OF STP CAST 308 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 13.83 | 32.12 | 0 | 24.02 | 389.7 | 0.0 | 0.0 | 1500. |
| 10 | 13.83 | 32.12 | 10 | 24.02 | 390.2 | 0.39 | 0.02 | 1500. |
| 20 | 13.78 | 32.12 | 20 | 24.03 | 389.5 | 0.78 | 0.08 | 1500. |
| 30 | 13.37 | 32.21 | 30 | 24.19 | 375.3 | 1.16 | 0.18 | 1499. |
| 50 | 8.72 | 32.45 | 50 | 25.19 | 279.6 | 1.83 | 0.45 | 1483. |
| 75 | 7.00 | 32.56 | 75 | 25.52 | 248.1 | 2.47 | 0.85 | 1477. |
| 100 | 6.59 | 32.59 | 99 | 25.60 | 241.0 | 3.08 | 1.40 | 1476. |
| 125 | 6.38 | 32.91 | 124 | 25.88 | 214.4 | 3.66 | 2.06 | 1476. |
| 150 | 6.20 | 33.62 | 149 | 26.46 | 159.9 | 4.12 | 2.70 | 1476. |
| 175 | 6.15 | 33.78 | 174 | 26.59 | 147.7 | 4.50 | 3.33 | 1477. |
| 200 | 6.00 | 33.84 | 199 | 26.66 | 141.7 | 4.86 | 4.02 | 1477. |
| 225 | 5.64 | 33.85 | 223 | 26.72 | 136.7 | 5.21 | 4.77 | 1476. |
| 250 | 5.36 | 33.86 | 248 | 26.75 | 133.0 | 5.55 | 5.59 | 1475. |
| 300 | 4.99 | 33.90 | 298 | 26.83 | 126.3 | 6.20 | 7.41 | 1474. |
| 400 | 4.61 | 34.00 | 397 | 26.95 | 115.5 | 7.39 | 11.66 | 1475. |
| 500 | 4.12 | 34.07 | 496 | 27.06 | 105.8 | 8.50 | 16.72 | 1474. |
| 600 | 4.06 | 34.15 | 595 | 27.13 | 100.0 | 9.53 | 22.49 | 1476. |
| 800 | 3.59 | 34.29 | 793 | 27.29 | 85.9 | 11.38 | 35.63 | 1477. |
| 1000 | 3.20 | 34.38 | 990 | 27.40 | 76.1 | 12.99 | 50.44 | 1479. |
| 1200 | 2.84 | 34.45 | 1188 | 27.48 | 68.4 | 14.44 | 66.60 | 1481. |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 35

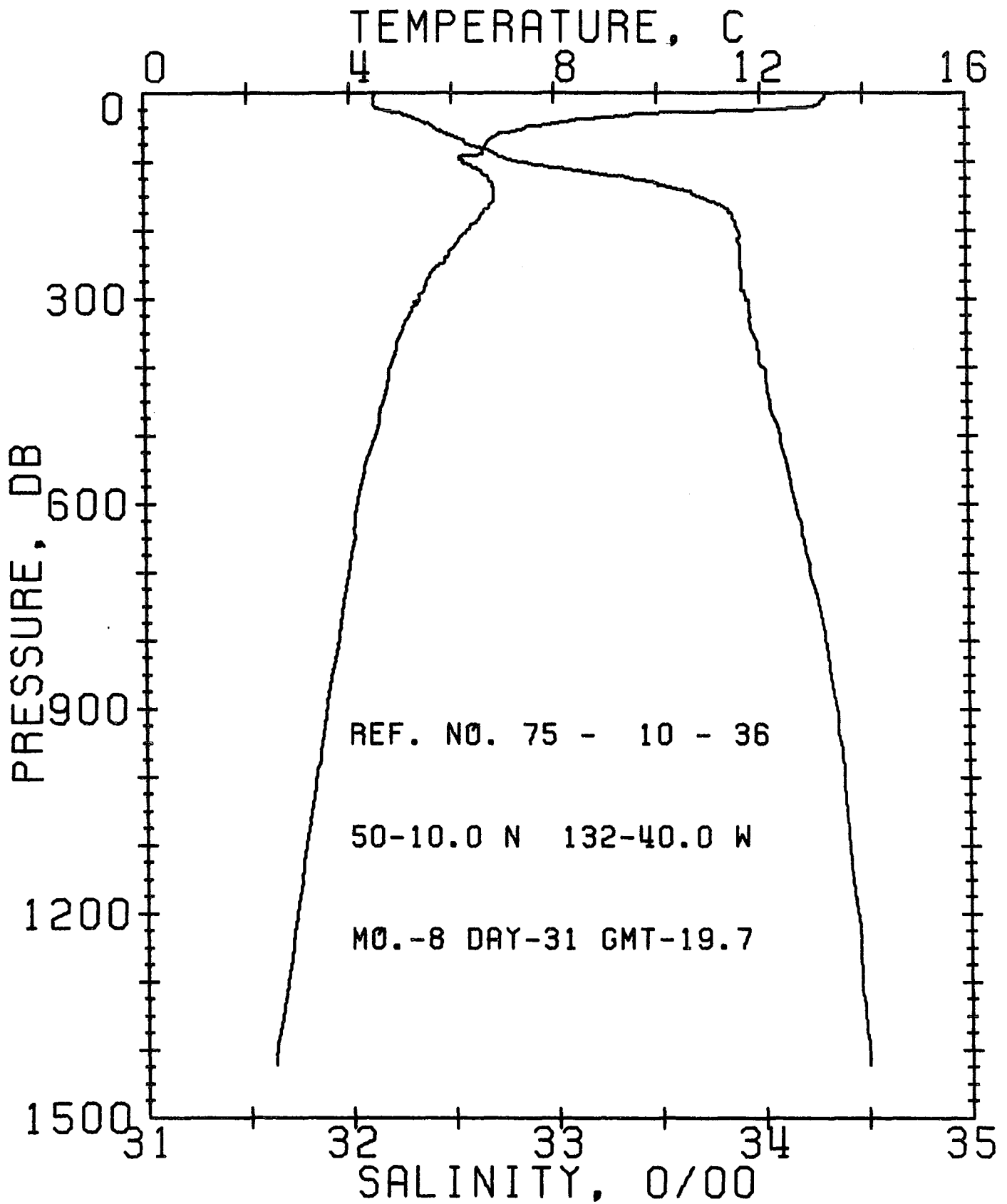
DATE 31/ 8/75

POSITION 50- 6.0N, 131-40.0W

GMT 15.6

RESULTS OF STP CAST 243 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 13.68 | 32.23 | 0 | 24.14 | 378.8 | 0.0 | 0.0 | 1500. |
| 10 | 13.68 | 32.24 | 10 | 24.15 | 378.5 | 0.38 | 0.02 | 1500. |
| 20 | 13.68 | 32.25 | 20 | 24.15 | 378.0 | 0.76 | 0.08 | 1500. |
| 30 | 13.45 | 32.34 | 30 | 24.27 | 367.2 | 1.13 | 0.17 | 1500. |
| 50 | 9.35 | 32.49 | 50 | 25.12 | 286.0 | 1.76 | 0.43 | 1486. |
| 75 | 7.52 | 32.50 | 75 | 25.41 | 259.4 | 2.44 | 0.86 | 1479. |
| 100 | 6.60 | 32.62 | 99 | 25.62 | 238.8 | 3.06 | 1.41 | 1476. |
| 125 | 6.28 | 33.03 | 124 | 25.99 | 204.7 | 3.63 | 2.06 | 1476. |
| 150 | 5.98 | 33.47 | 149 | 26.37 | 168.3 | 4.09 | 2.70 | 1475. |
| 175 | 6.07 | 33.77 | 174 | 26.60 | 147.4 | 4.48 | 3.34 | 1477. |
| 200 | 5.83 | 33.85 | 199 | 26.69 | 139.1 | 4.83 | 4.02 | 1476. |
| 225 | 5.52 | 33.86 | 223 | 26.74 | 134.6 | 5.18 | 4.76 | 1475. |
| 250 | 5.30 | 33.87 | 248 | 26.77 | 131.6 | 5.51 | 5.57 | 1475. |
| 300 | 4.81 | 33.92 | 298 | 26.86 | 123.0 | 6.15 | 7.38 | 1474. |
| 400 | 4.32 | 34.01 | 397 | 26.99 | 111.3 | 7.32 | 11.53 | 1473. |
| 500 | 4.11 | 34.11 | 496 | 27.09 | 102.9 | 8.38 | 16.40 | 1474. |
| 600 | 3.95 | 34.18 | 595 | 27.17 | 96.4 | 9.38 | 21.97 | 1475. |
| 800 | 3.57 | 34.30 | 793 | 27.30 | 84.8 | 11.19 | 34.87 | 1477. |
| 1000 | 3.21 | 34.38 | 990 | 27.40 | 76.1 | 12.80 | 49.62 | 1479. |
| 1200 | 2.81 | 34.45 | 1188 | 27.49 | 68.3 | 14.24 | 65.72 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 36

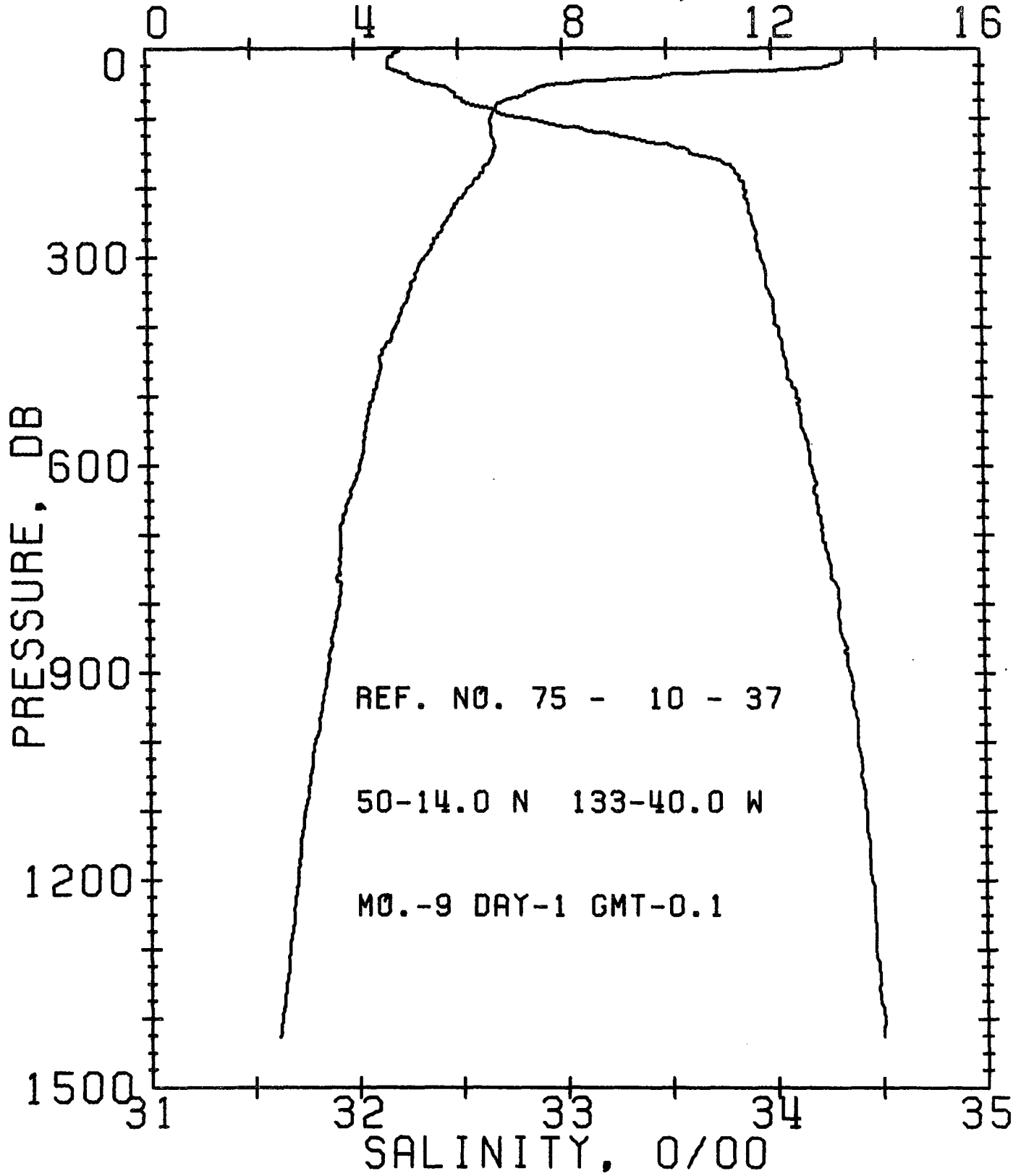
DATE 31/ 8/75

POSITION 50-10.0N, 132-40.0W GMT 19.7

RESULTS OF STP CAST 224 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 13.27 | 32.12 | 0 | 24.14 | 379.0 | 0.0 | 0.0 | 1498. |
| 10 | 13.21 | 32.12 | 10 | 24.15 | 378.5 | 0.38 | 0.02 | 1498. |
| 20 | 13.07 | 32.13 | 20 | 24.18 | 375.2 | 0.76 | 0.08 | 1498. |
| 30 | 9.61 | 32.27 | 30 | 24.91 | 306.0 | 1.10 | 0.16 | 1486. |
| 50 | 7.47 | 32.42 | 50 | 25.35 | 264.3 | 1.67 | 0.39 | 1478. |
| 75 | 6.66 | 32.60 | 75 | 25.60 | 240.8 | 2.29 | 0.79 | 1476. |
| 100 | 6.22 | 32.85 | 99 | 25.86 | 216.6 | 2.87 | 1.30 | 1475. |
| 125 | 6.73 | 33.40 | 124 | 26.22 | 182.7 | 3.37 | 1.87 | 1478. |
| 150 | 6.84 | 33.71 | 149 | 26.45 | 161.3 | 3.79 | 2.47 | 1479. |
| 175 | 6.58 | 33.86 | 174 | 26.60 | 147.0 | 4.18 | 3.10 | 1479. |
| 200 | 6.31 | 33.89 | 199 | 26.66 | 141.7 | 4.54 | 3.79 | 1478. |
| 225 | 6.01 | 33.90 | 223 | 26.71 | 137.6 | 4.89 | 4.55 | 1477. |
| 250 | 5.76 | 33.90 | 248 | 26.74 | 134.9 | 5.23 | 5.37 | 1477. |
| 300 | 5.36 | 33.93 | 298 | 26.81 | 128.4 | 5.88 | 7.21 | 1476. |
| 400 | 4.76 | 34.01 | 397 | 26.94 | 116.4 | 7.11 | 11.57 | 1475. |
| 500 | 4.48 | 34.09 | 496 | 27.04 | 108.2 | 8.23 | 16.74 | 1476. |
| 600 | 4.12 | 34.16 | 595 | 27.13 | 100.2 | 9.28 | 22.57 | 1476. |
| 800 | 3.74 | 34.30 | 793 | 27.28 | 86.6 | 11.14 | 35.80 | 1478. |
| 1000 | 3.29 | 34.39 | 990 | 27.40 | 76.7 | 12.77 | 50.71 | 1479. |
| 1200 | 2.91 | 34.45 | 1188 | 27.48 | 69.2 | 14.23 | 67.12 | 1481. |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY GROUP

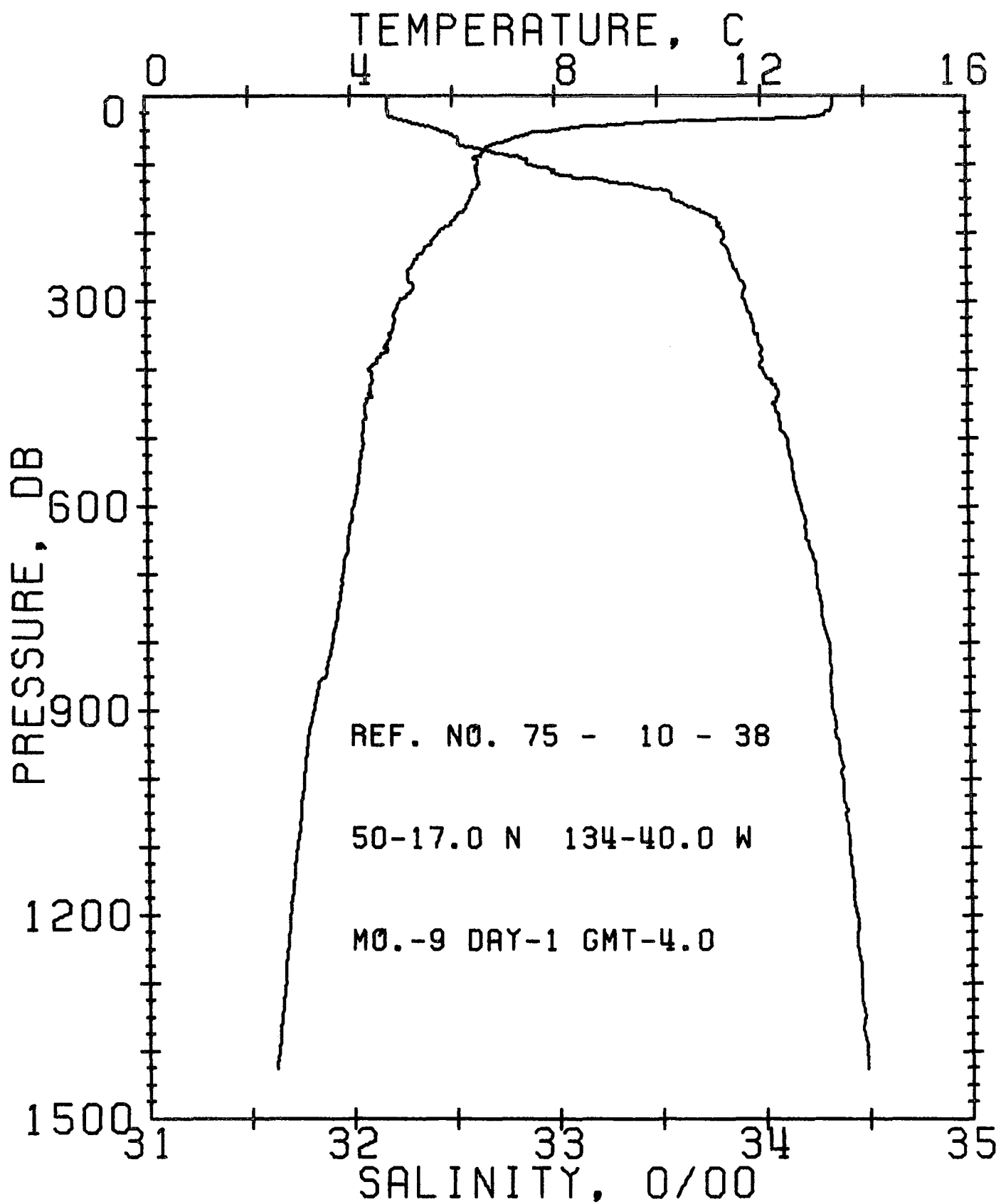
REFERENCE NO. 75-10- 37

DATE 1/ 9/75

POSITION 50-14.0N, 133-40.0W GMT 0.1

RESULTS OF STP CAST 363 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 13.36 | 32.21 | 0 | 24.19 | 374.1 | 0.0 | 0.0 | 1499. |
| 10 | 13.36 | 32.18 | 10 | 24.17 | 376.5 | 0.37 | 0.02 | 1499. |
| 20 | 13.29 | 32.16 | 20 | 24.16 | 377.2 | 0.75 | 0.08 | 1499. |
| 30 | 12.28 | 32.19 | 30 | 24.38 | 356.5 | 1.12 | 0.17 | 1495. |
| 50 | 8.01 | 32.36 | 50 | 25.23 | 276.1 | 1.74 | 0.42 | 1480. |
| 75 | 6.88 | 32.53 | 75 | 25.52 | 248.8 | 2.39 | 0.83 | 1477. |
| 100 | 6.62 | 32.84 | 99 | 25.79 | 222.7 | 2.98 | 1.36 | 1476. |
| 125 | 6.66 | 33.28 | 124 | 26.13 | 190.7 | 3.50 | 1.95 | 1477. |
| 150 | 6.66 | 33.62 | 149 | 26.40 | 165.7 | 3.94 | 2.56 | 1478. |
| 175 | 6.48 | 33.82 | 174 | 26.59 | 148.5 | 4.32 | 3.20 | 1478. |
| 200 | 6.19 | 33.87 | 199 | 26.66 | 141.8 | 4.69 | 3.90 | 1478. |
| 225 | 5.93 | 33.89 | 223 | 26.71 | 137.4 | 5.04 | 4.65 | 1477. |
| 250 | 5.72 | 33.90 | 248 | 26.75 | 134.1 | 5.38 | 5.47 | 1477. |
| 300 | 5.33 | 33.94 | 298 | 26.82 | 127.3 | 6.03 | 7.30 | 1476. |
| 400 | 4.74 | 34.02 | 397 | 26.95 | 115.4 | 7.24 | 11.61 | 1475. |
| 500 | 4.32 | 34.11 | 496 | 27.07 | 105.0 | 8.34 | 16.65 | 1475. |
| 600 | 4.05 | 34.17 | 595 | 27.15 | 98.0 | 9.35 | 22.33 | 1476. |
| 800 | 3.65 | 34.31 | 793 | 27.30 | 85.1 | 11.17 | 35.27 | 1478. |
| 1000 | 3.16 | 34.39 | 990 | 27.41 | 75.2 | 12.78 | 49.96 | 1479. |
| 1200 | 2.82 | 34.45 | 1188 | 27.49 | 68.3 | 14.21 | 65.94 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 38

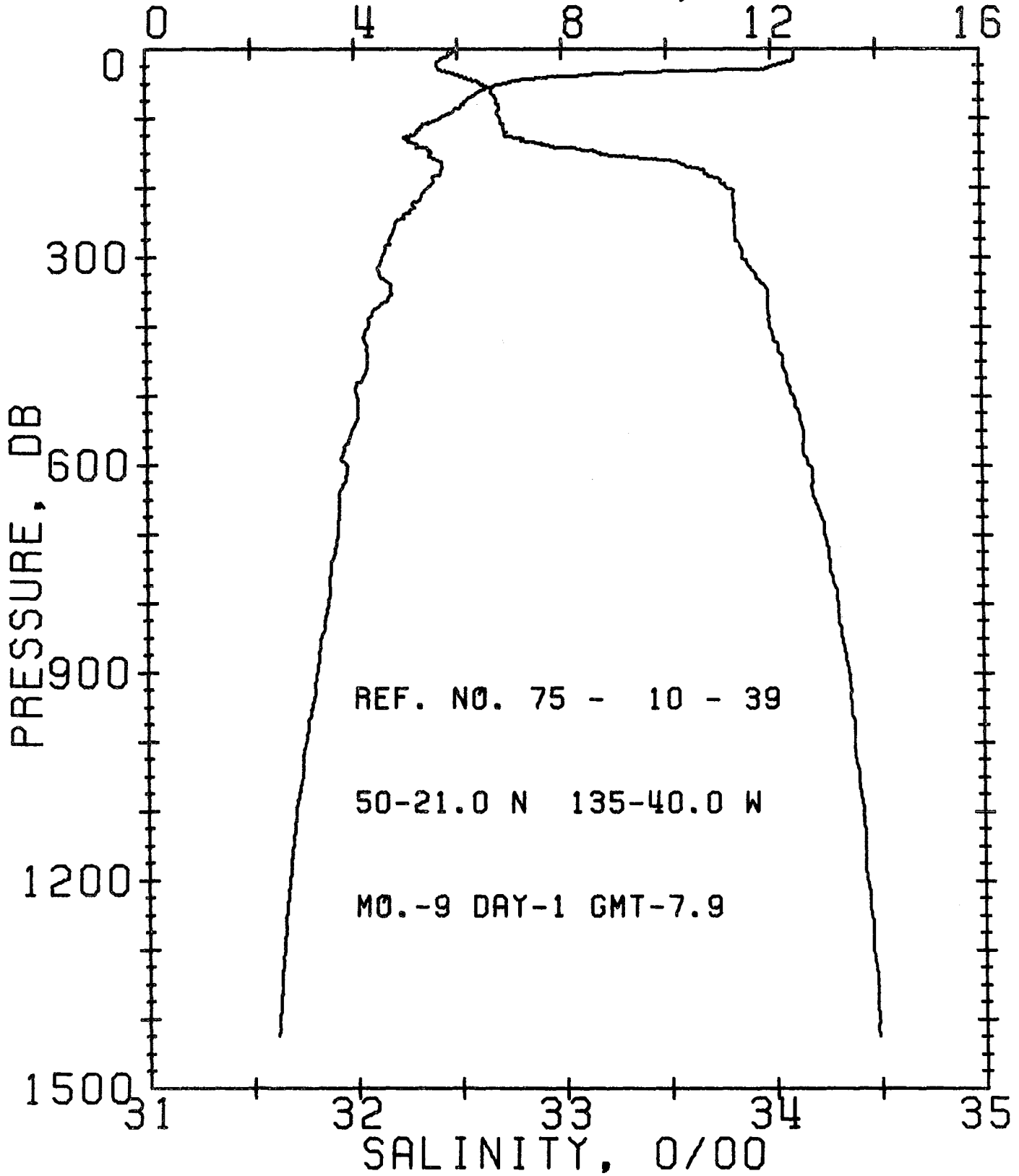
DATE 1/ 9/75

POSITION 50-17.0N, 134-40.0W GMT 4.0

RESULTS OF STP CAST 341 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 13.40 | 32.18 | 0 | 24.16 | 377.1 | 0.0 | 0.0 | 1499. |
| 10 | 13.41 | 32.18 | 10 | 24.15 | 377.7 | 0.38 | 0.02 | 1499. |
| 20 | 13.38 | 32.18 | 20 | 24.16 | 377.4 | 0.76 | 0.08 | 1499. |
| 30 | 13.18 | 32.20 | 30 | 24.22 | 372.4 | 1.13 | 0.17 | 1498. |
| 50 | 7.97 | 32.44 | 50 | 25.30 | 269.3 | 1.74 | 0.42 | 1480. |
| 75 | 6.66 | 32.60 | 75 | 25.60 | 240.5 | 2.38 | 0.82 | 1476. |
| 100 | 6.49 | 32.87 | 99 | 25.83 | 218.8 | 2.94 | 1.32 | 1476. |
| 125 | 6.53 | 33.28 | 124 | 26.15 | 189.0 | 3.46 | 1.91 | 1477. |
| 150 | 6.34 | 33.57 | 149 | 26.40 | 165.4 | 3.89 | 2.51 | 1477. |
| 175 | 6.07 | 33.76 | 174 | 26.59 | 148.2 | 4.28 | 3.16 | 1477. |
| 200 | 5.70 | 33.82 | 199 | 26.68 | 139.5 | 4.64 | 3.85 | 1476. |
| 225 | 5.42 | 33.84 | 223 | 26.73 | 135.0 | 4.98 | 4.60 | 1475. |
| 250 | 5.17 | 33.87 | 248 | 26.78 | 130.3 | 5.32 | 5.40 | 1474. |
| 300 | 4.94 | 33.92 | 298 | 26.85 | 124.2 | 5.95 | 7.18 | 1474. |
| 400 | 4.35 | 34.00 | 397 | 26.98 | 112.6 | 7.14 | 11.40 | 1474. |
| 500 | 4.21 | 34.12 | 496 | 27.09 | 103.4 | 8.21 | 16.33 | 1475. |
| 600 | 4.04 | 34.19 | 595 | 27.16 | 96.9 | 9.22 | 21.97 | 1476. |
| 800 | 3.61 | 34.32 | 793 | 27.31 | 84.2 | 11.03 | 34.86 | 1477. |
| 1000 | 3.04 | 34.38 | 990 | 27.41 | 74.8 | 12.62 | 49.39 | 1478. |
| 1200 | 2.76 | 34.44 | 1188 | 27.49 | 68.1 | 14.05 | 65.42 | 1481. |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY GROUP

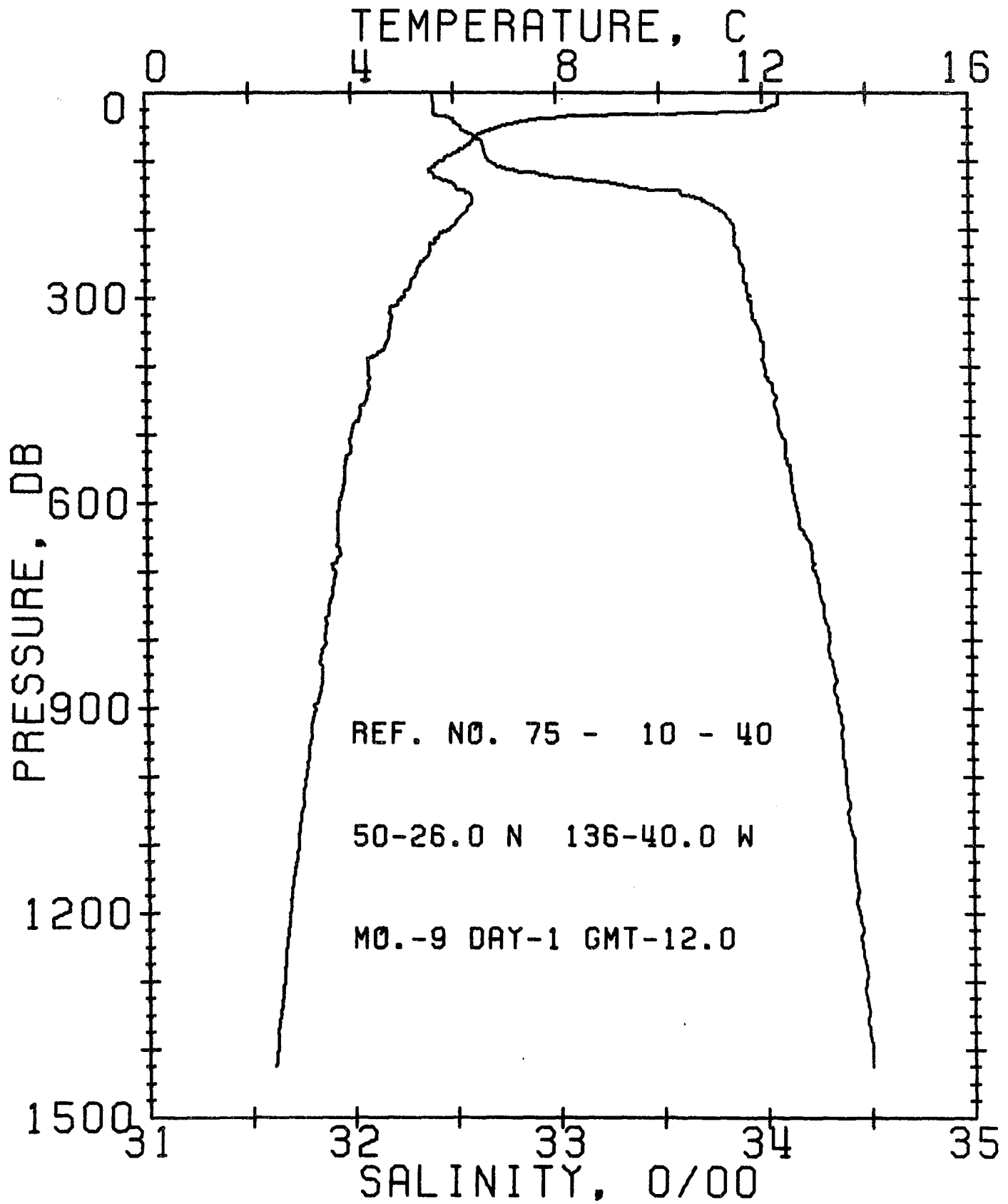
REFERENCE NO. 75-10- 39

DATE 1/ 9/75

POSITION 50-21.0N, 135-40.0W GMT 7.9

RESULTS OF STP CAST 313 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 12.46 | 32.50 | 0 | 24.59 | 336.1 | 0.0 | 0.0 | 1496. |
| 10 | 12.46 | 32.45 | 10 | 24.55 | 340.2 | 0.34 | 0.02 | 1496. |
| 20 | 12.25 | 32.40 | 20 | 24.55 | 340.3 | 0.68 | 0.07 | 1495. |
| 30 | 11.63 | 32.42 | 30 | 24.68 | 328.1 | 1.02 | 0.16 | 1493. |
| 50 | 6.87 | 32.61 | 50 | 25.58 | 242.0 | 1.55 | 0.37 | 1476. |
| 75 | 6.16 | 32.69 | 75 | 25.73 | 227.9 | 2.13 | 0.74 | 1474. |
| 100 | 5.65 | 32.70 | 99 | 25.80 | 221.5 | 2.70 | 1.24 | 1472. |
| 125 | 5.02 | 32.74 | 124 | 25.91 | 211.6 | 3.24 | 1.86 | 1470. |
| 150 | 5.48 | 33.18 | 149 | 26.21 | 183.7 | 3.73 | 2.56 | 1473. |
| 175 | 5.69 | 33.68 | 174 | 26.57 | 149.5 | 4.14 | 3.23 | 1475. |
| 200 | 5.41 | 33.79 | 199 | 26.69 | 138.2 | 4.50 | 3.92 | 1474. |
| 225 | 5.16 | 33.82 | 223 | 26.75 | 133.2 | 4.84 | 4.65 | 1474. |
| 250 | 4.87 | 33.84 | 248 | 26.79 | 129.1 | 5.17 | 5.44 | 1473. |
| 300 | 4.54 | 33.86 | 298 | 26.85 | 124.2 | 5.80 | 7.22 | 1472. |
| 400 | 4.25 | 33.99 | 397 | 26.98 | 112.3 | 6.97 | 11.39 | 1473. |
| 500 | 4.04 | 34.10 | 496 | 27.09 | 102.6 | 8.05 | 16.32 | 1474. |
| 600 | 3.83 | 34.17 | 595 | 27.17 | 95.6 | 9.04 | 21.86 | 1475. |
| 800 | 3.46 | 34.31 | 793 | 27.31 | 83.3 | 10.82 | 34.55 | 1477. |
| 1000 | 3.01 | 34.38 | 990 | 27.41 | 74.3 | 12.39 | 48.91 | 1478. |
| 1200 | 2.69 | 34.44 | 1188 | 27.49 | 67.5 | 13.80 | 64.71 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

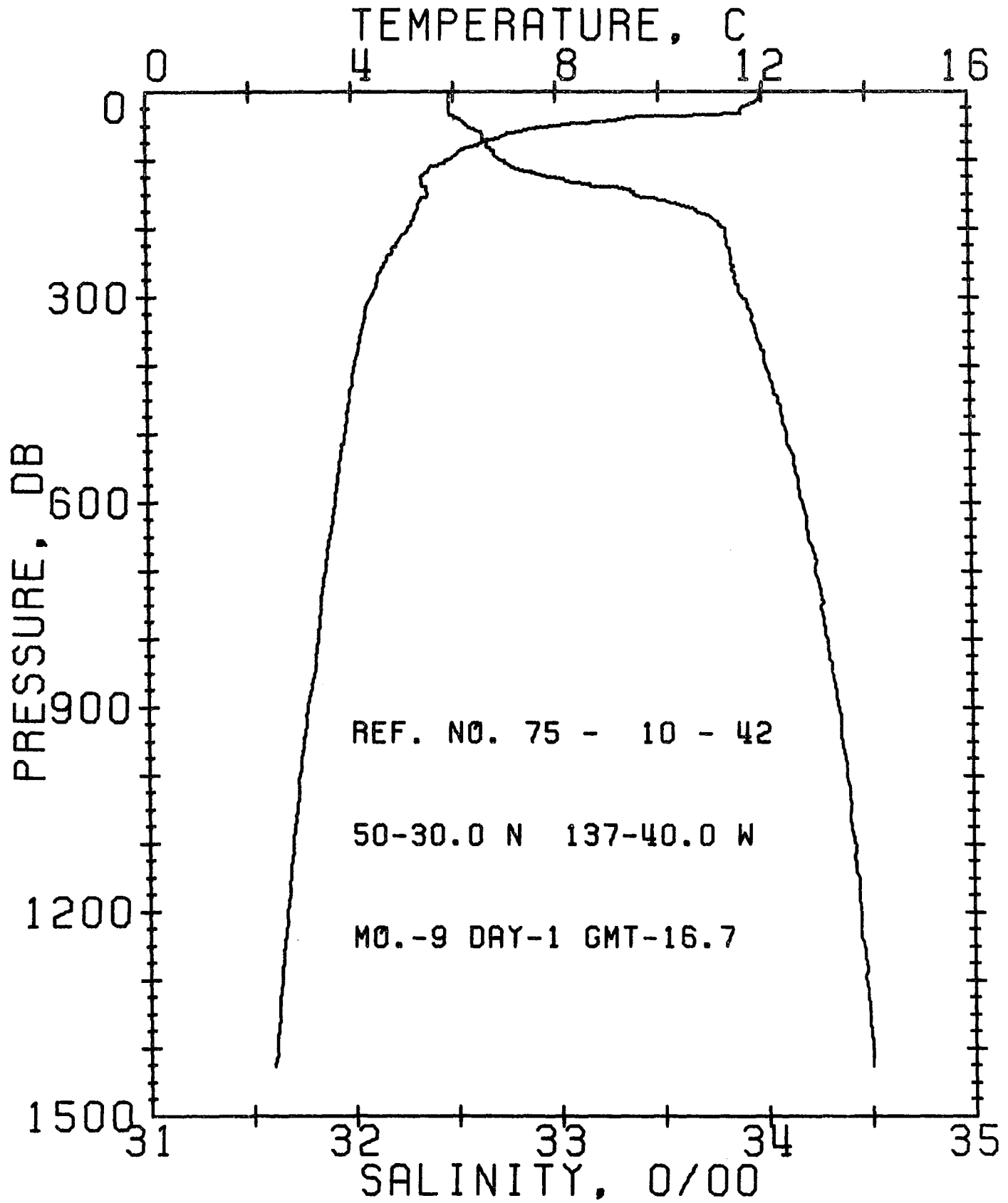
REFERENCE NO. 75-10- 40

DATE 1/ 9/75

POSITION 50-26.0N, 136-40.0W GMT 12.0

RESULTS OF STP CAST 351 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 12.32 | 32.40 | 0 | 24.54 | 340.9 | 0.0 | 0.0 | 1495. |
| 10 | 12.32 | 32.40 | 10 | 24.54 | 341.4 | 0.34 | 0.02 | 1495. |
| 20 | 12.14 | 32.41 | 20 | 24.58 | 337.6 | 0.68 | 0.07 | 1495. |
| 30 | 10.02 | 32.41 | 30 | 24.95 | 301.9 | 1.01 | 0.15 | 1488. |
| 50 | 6.92 | 32.54 | 50 | 25.52 | 248.5 | 1.54 | 0.37 | 1476. |
| 75 | 6.31 | 32.64 | 75 | 25.68 | 233.5 | 2.13 | 0.75 | 1474. |
| 100 | 5.76 | 32.68 | 99 | 25.78 | 224.2 | 2.70 | 1.25 | 1473. |
| 125 | 5.74 | 33.09 | 124 | 26.10 | 193.6 | 3.23 | 1.86 | 1474. |
| 150 | 6.35 | 33.63 | 149 | 26.45 | 161.0 | 3.67 | 2.47 | 1477. |
| 175 | 6.22 | 33.81 | 174 | 26.61 | 146.1 | 4.05 | 3.10 | 1477. |
| 200 | 5.88 | 33.86 | 199 | 26.69 | 138.7 | 4.41 | 3.78 | 1476. |
| 225 | 5.54 | 33.88 | 223 | 26.75 | 133.4 | 4.75 | 4.52 | 1475. |
| 250 | 5.33 | 33.89 | 248 | 26.79 | 130.1 | 5.08 | 5.31 | 1475. |
| 300 | 4.97 | 33.93 | 298 | 26.86 | 123.9 | 5.71 | 7.09 | 1474. |
| 400 | 4.33 | 34.00 | 397 | 26.98 | 112.3 | 6.89 | 11.28 | 1473. |
| 500 | 3.97 | 34.08 | 496 | 27.08 | 103.1 | 7.97 | 16.22 | 1474. |
| 600 | 3.74 | 34.15 | 595 | 27.16 | 96.5 | 8.96 | 21.80 | 1474. |
| 800 | 3.45 | 34.31 | 793 | 27.32 | 83.0 | 10.75 | 34.52 | 1477. |
| 1000 | 3.06 | 34.38 | 990 | 27.41 | 74.8 | 12.33 | 48.93 | 1478. |
| 1200 | 2.74 | 34.44 | 1188 | 27.49 | 67.7 | 13.75 | 64.86 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 42

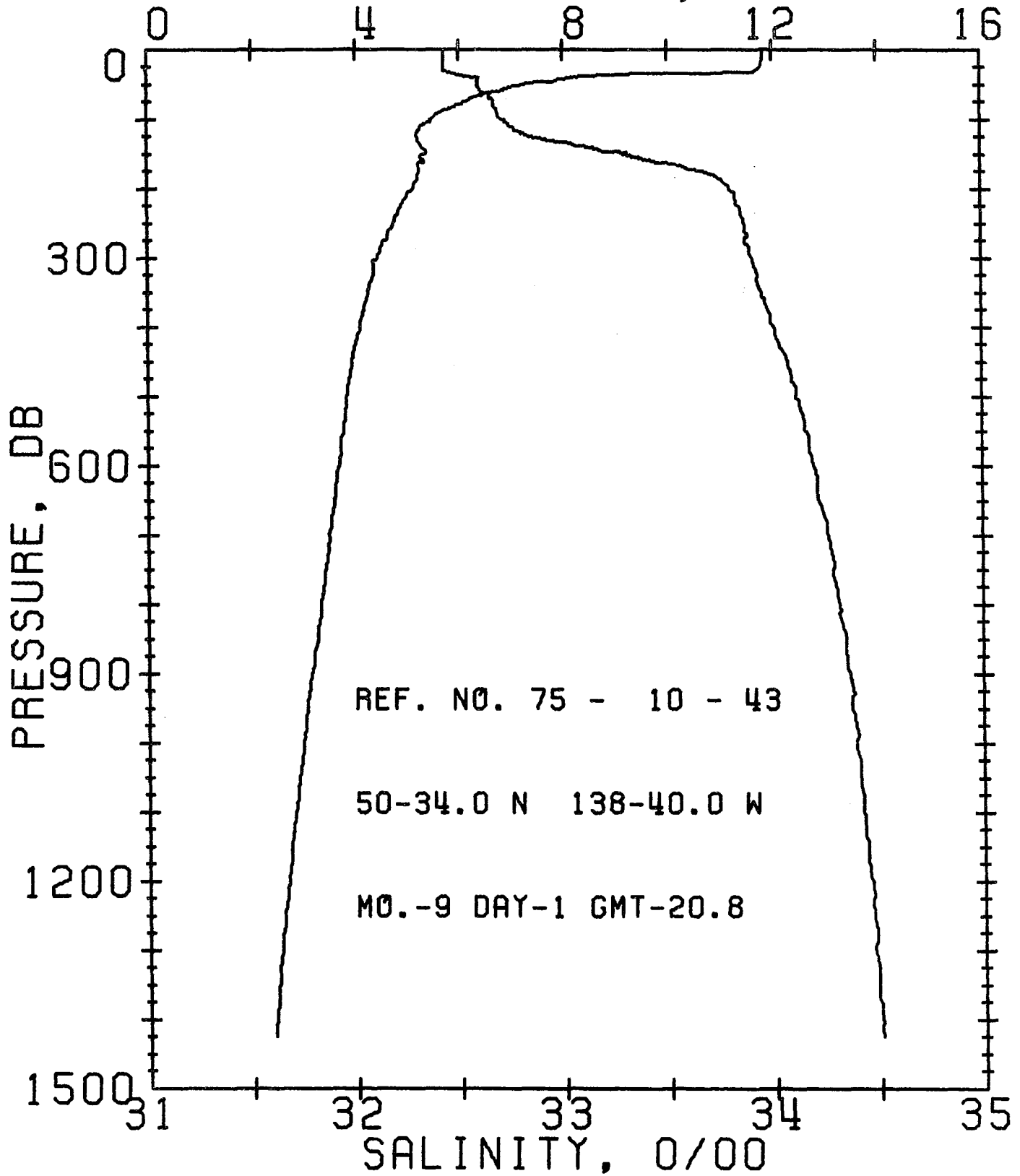
DATE 1/ 9/75

POSITION 50-30.0N, 137-40.0W GMT 16.7

RESULTS OF STP CAST 328 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.96 | 32.48 | 0 | 24.67 | 328.6 | 0.0 | 0.0 | 1494. |
| 10 | 11.97 | 32.48 | 10 | 24.66 | 329.2 | 0.33 | 0.02 | 1494. |
| 20 | 11.76 | 32.48 | 20 | 24.70 | 325.7 | 0.66 | 0.07 | 1494. |
| 30 | 11.59 | 32.48 | 30 | 24.73 | 323.0 | 0.98 | 0.15 | 1493. |
| 50 | 7.92 | 32.58 | 50 | 25.41 | 258.7 | 1.55 | 0.38 | 1480. |
| 75 | 6.51 | 32.67 | 75 | 25.67 | 233.7 | 2.16 | 0.77 | 1475. |
| 100 | 5.89 | 32.74 | 99 | 25.81 | 221.3 | 2.73 | 1.27 | 1473. |
| 125 | 5.35 | 33.03 | 124 | 26.10 | 193.6 | 3.25 | 1.87 | 1472. |
| 150 | 5.49 | 33.38 | 149 | 26.36 | 169.2 | 3.70 | 2.50 | 1473. |
| 175 | 5.26 | 33.69 | 174 | 26.63 | 143.8 | 4.09 | 3.14 | 1473. |
| 200 | 5.09 | 33.82 | 199 | 26.75 | 132.3 | 4.43 | 3.79 | 1473. |
| 225 | 4.85 | 33.83 | 223 | 26.79 | 129.1 | 4.76 | 4.50 | 1473. |
| 250 | 4.65 | 33.85 | 248 | 26.83 | 125.7 | 5.07 | 5.27 | 1472. |
| 300 | 4.35 | 33.90 | 298 | 26.90 | 119.2 | 5.69 | 6.99 | 1472. |
| 400 | 4.02 | 34.01 | 397 | 27.02 | 108.5 | 6.82 | 11.01 | 1472. |
| 500 | 3.84 | 34.11 | 496 | 27.12 | 99.7 | 7.86 | 15.77 | 1473. |
| 600 | 3.65 | 34.18 | 595 | 27.20 | 93.1 | 8.82 | 21.16 | 1474. |
| 800 | 3.30 | 34.30 | 793 | 27.32 | 82.1 | 10.56 | 33.56 | 1476. |
| 1000 | 2.93 | 34.39 | 990 | 27.43 | 72.7 | 12.10 | 47.67 | 1478. |
| 1200 | 2.67 | 34.45 | 1188 | 27.50 | 66.5 | 13.50 | 63.25 | 1480. |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY GROUP

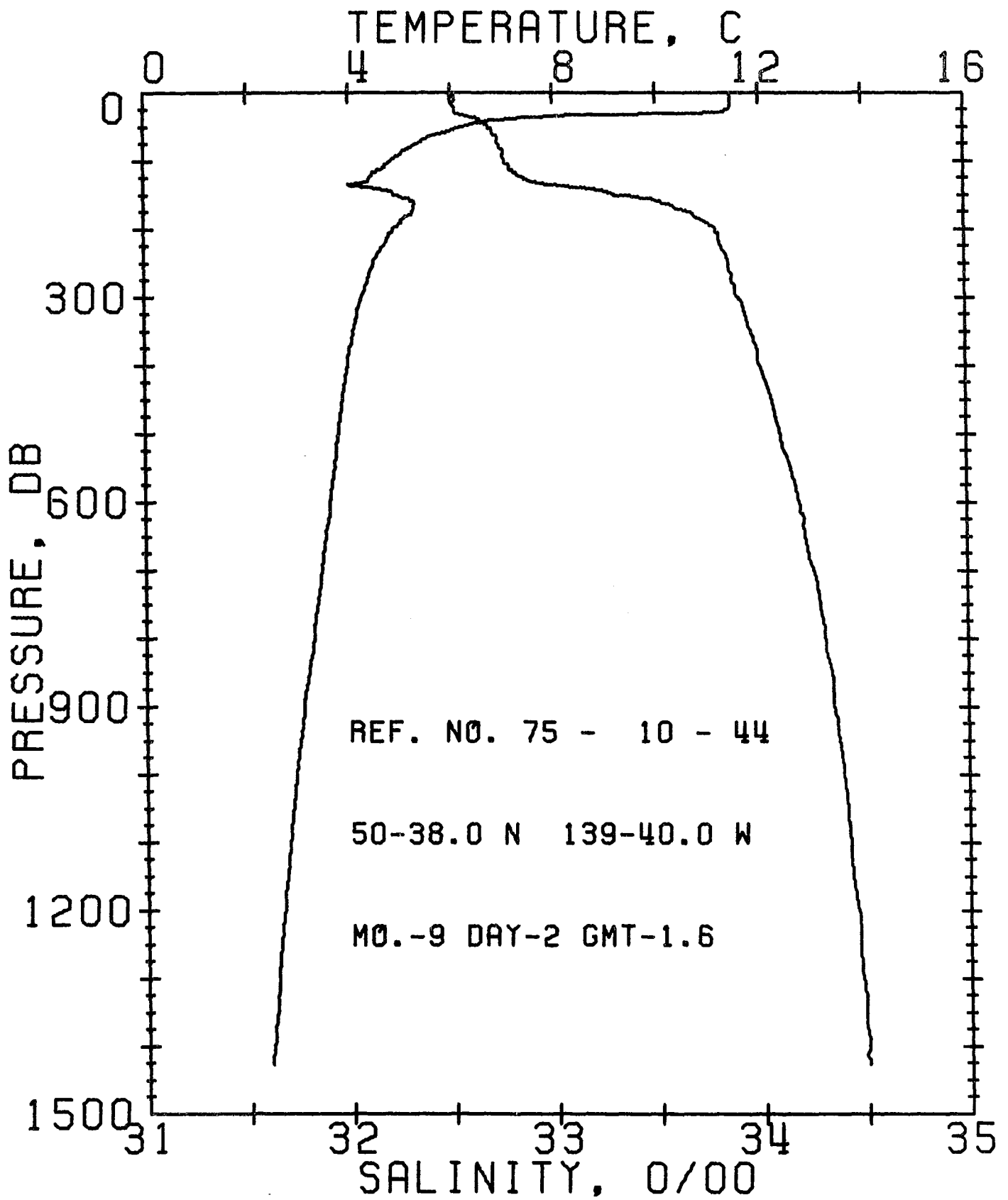
REFERENCE NO. 75-10- 43

DATE 1/ 9/75

POSITION 50-34.0N, 138-40.0W GMT 20.8

RESULTS OF STP CAST 330 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.83 | 32.43 | 0 | 24.65 | 329.9 | 0.0 | 0.0 | 1494. |
| 10 | 11.83 | 32.43 | 10 | 24.65 | 330.4 | 0.33 | 0.02 | 1494. |
| 20 | 11.81 | 32.43 | 20 | 24.65 | 330.2 | 0.66 | 0.07 | 1494. |
| 30 | 11.69 | 32.44 | 30 | 24.68 | 327.6 | 0.99 | 0.15 | 1494. |
| 50 | 7.25 | 32.60 | 50 | 25.52 | 248.1 | 1.53 | 0.37 | 1478. |
| 75 | 6.09 | 32.67 | 75 | 25.73 | 228.6 | 2.13 | 0.75 | 1474. |
| 100 | 5.44 | 32.71 | 99 | 25.84 | 218.0 | 2.69 | 1.24 | 1471. |
| 125 | 5.19 | 32.88 | 124 | 26.00 | 203.0 | 3.22 | 1.85 | 1471. |
| 150 | 5.36 | 33.29 | 149 | 26.30 | 174.5 | 3.69 | 2.51 | 1473. |
| 175 | 5.22 | 33.68 | 174 | 26.63 | 144.2 | 4.08 | 3.17 | 1473. |
| 200 | 5.10 | 33.80 | 199 | 26.74 | 134.1 | 4.43 | 3.83 | 1473. |
| 225 | 4.87 | 33.84 | 223 | 26.80 | 128.6 | 4.76 | 4.54 | 1473. |
| 250 | 4.72 | 33.86 | 248 | 26.83 | 125.7 | 5.07 | 5.30 | 1472. |
| 300 | 4.43 | 33.90 | 298 | 26.89 | 120.1 | 5.69 | 7.02 | 1472. |
| 400 | 4.08 | 34.00 | 397 | 27.01 | 109.3 | 6.84 | 11.11 | 1472. |
| 500 | 3.82 | 34.11 | 496 | 27.12 | 99.6 | 7.87 | 15.86 | 1473. |
| 600 | 3.66 | 34.19 | 595 | 27.20 | 92.6 | 8.83 | 21.22 | 1474. |
| 800 | 3.31 | 34.31 | 793 | 27.33 | 81.2 | 10.57 | 33.56 | 1476. |
| 1000 | 2.97 | 34.39 | 990 | 27.43 | 73.0 | 12.10 | 47.58 | 1478. |
| 1200 | 2.66 | 34.46 | 1188 | 27.51 | 65.9 | 13.48 | 63.12 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 44

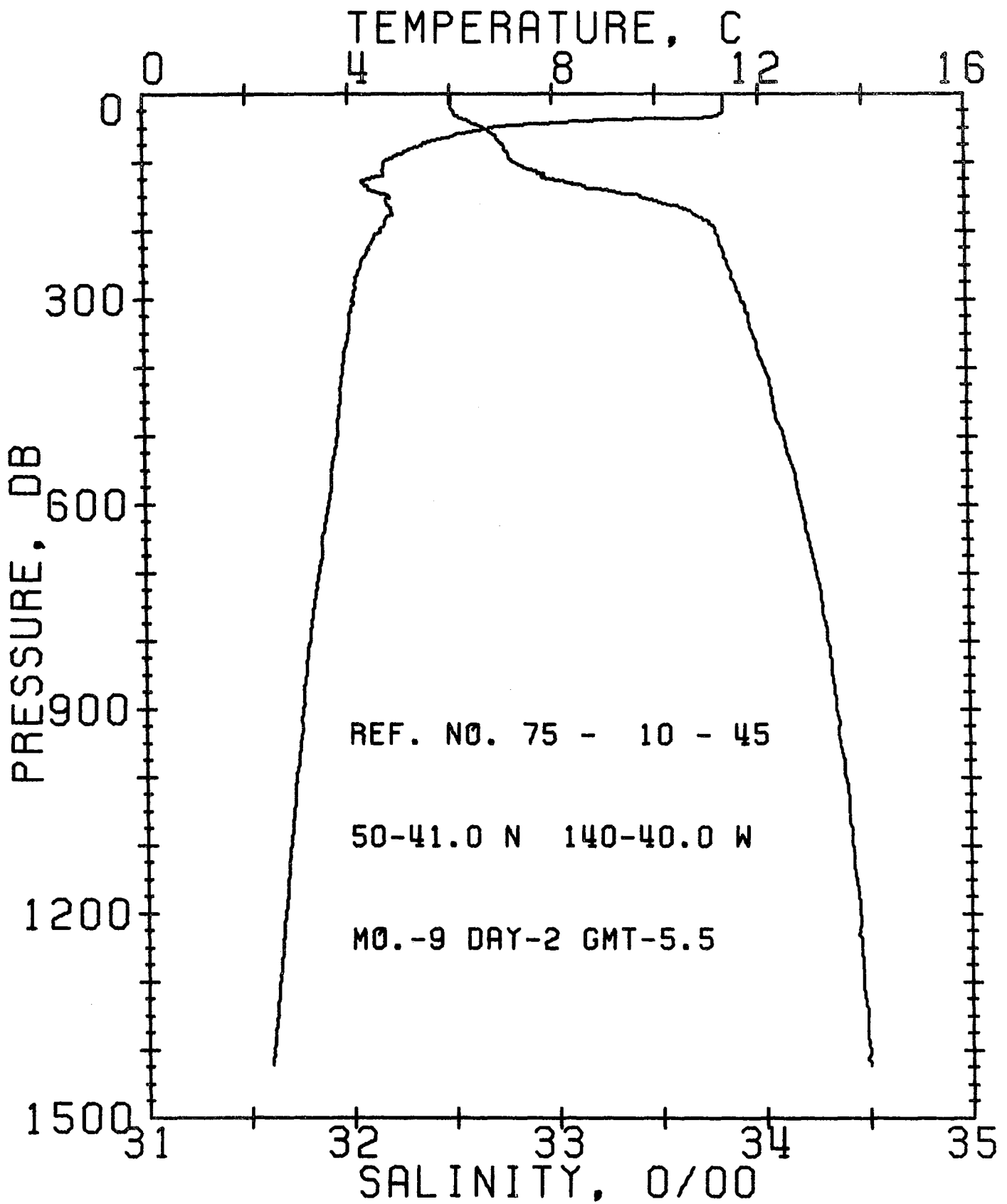
DATE 2/ 9/75

POSITION 50-38.0N, 139-40.0W

GMT 1.6

RESULTS OF STP CAST 219 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.47 | 32.52 | 0 | 24.79 | 317.0 | 0.0 | 0.0 | 1492. |
| 10 | 11.47 | 32.52 | 10 | 24.79 | 317.5 | 0.32 | 0.02 | 1493. |
| 20 | 11.45 | 32.52 | 20 | 24.79 | 317.6 | 0.64 | 0.06 | 1493. |
| 30 | 10.20 | 32.54 | 30 | 25.02 | 295.2 | 0.95 | 0.14 | 1488. |
| 50 | 6.22 | 32.69 | 50 | 25.73 | 228.4 | 1.44 | 0.34 | 1474. |
| 75 | 5.33 | 32.73 | 75 | 25.87 | 215.1 | 1.99 | 0.69 | 1471. |
| 100 | 4.84 | 32.77 | 99 | 25.95 | 207.3 | 2.52 | 1.16 | 1469. |
| 125 | 4.41 | 32.86 | 124 | 26.07 | 196.3 | 3.02 | 1.74 | 1468. |
| 150 | 4.91 | 33.30 | 149 | 26.36 | 168.7 | 3.47 | 2.37 | 1471. |
| 175 | 5.24 | 33.67 | 174 | 26.62 | 144.7 | 3.85 | 3.00 | 1473. |
| 200 | 4.89 | 33.79 | 199 | 26.75 | 132.3 | 4.20 | 3.66 | 1472. |
| 225 | 4.67 | 33.81 | 223 | 26.80 | 128.4 | 4.52 | 4.37 | 1472. |
| 250 | 4.48 | 33.85 | 248 | 26.85 | 123.9 | 4.84 | 5.13 | 1471. |
| 300 | 4.25 | 33.90 | 298 | 26.91 | 118.1 | 5.45 | 6.83 | 1471. |
| 400 | 3.96 | 33.99 | 397 | 27.02 | 108.9 | 6.57 | 10.84 | 1472. |
| 500 | 3.77 | 34.09 | 496 | 27.11 | 100.3 | 7.61 | 15.61 | 1473. |
| 600 | 3.61 | 34.18 | 595 | 27.20 | 92.9 | 8.58 | 21.00 | 1474. |
| 800 | 3.26 | 34.30 | 793 | 27.33 | 81.3 | 10.31 | 33.33 | 1476. |
| 1000 | 2.92 | 34.39 | 990 | 27.43 | 72.5 | 11.84 | 47.36 | 1478. |
| 1200 | 2.65 | 34.46 | 1188 | 27.51 | 65.9 | 13.23 | 62.91 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

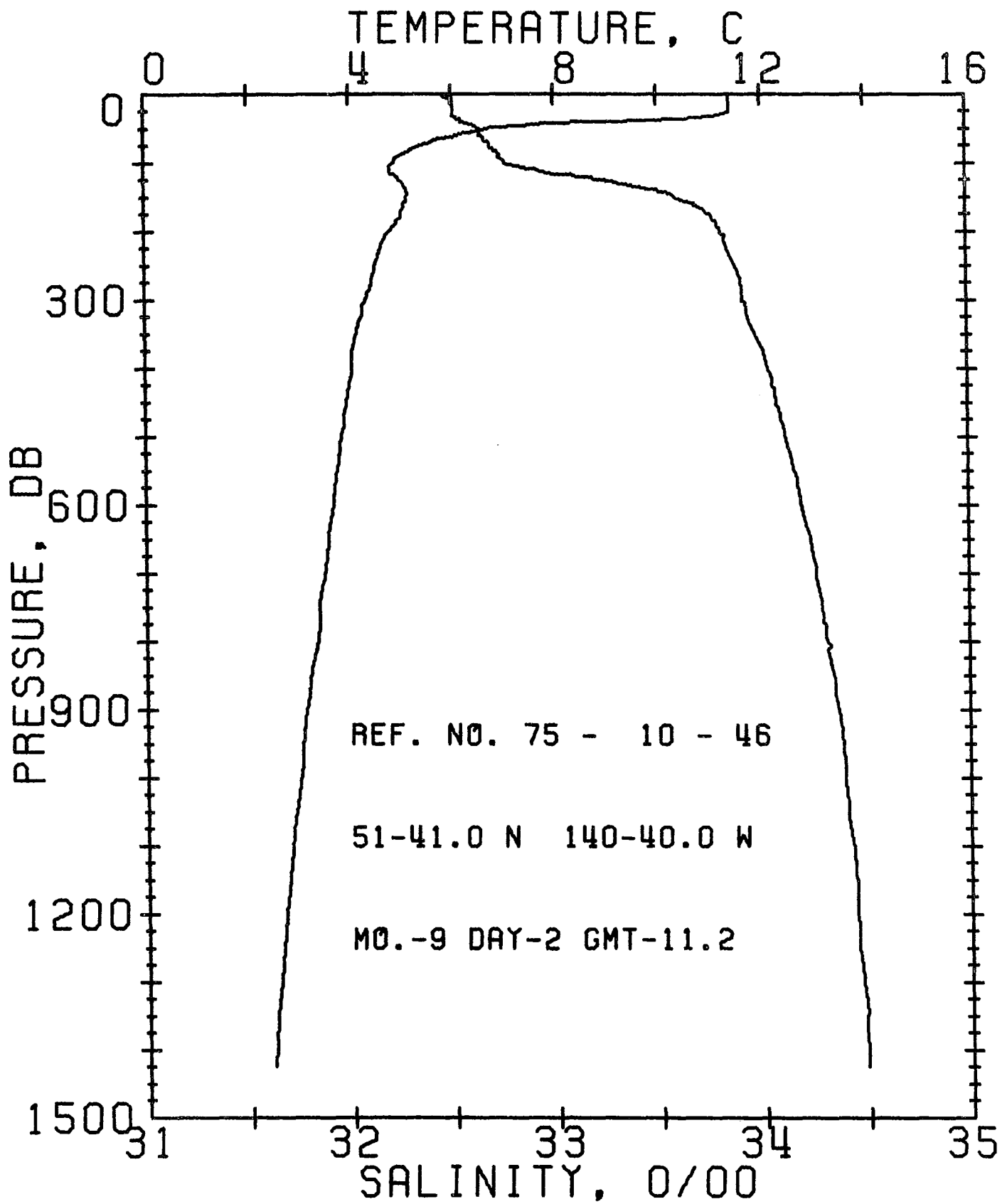
REFERENCE NO. 75-10- 45

DATE 2/ 9/75

POSITION 50-41.0N, 140-40.0W GMT 5.5

RESULTS OF STP CAST 245 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.34 | 32.51 | 0 | 24.80 | 315.6 | 0.0 | 0.0 | 1492. |
| 10 | 11.34 | 32.51 | 10 | 24.80 | 316.0 | 0.32 | 0.02 | 1492. |
| 20 | 11.34 | 32.51 | 20 | 24.80 | 316.2 | 0.63 | 0.06 | 1492. |
| 30 | 11.24 | 32.53 | 30 | 24.84 | 313.2 | 0.95 | 0.14 | 1492. |
| 50 | 6.77 | 32.67 | 50 | 25.64 | 236.4 | 1.49 | 0.36 | 1476. |
| 75 | 5.46 | 32.76 | 75 | 25.87 | 214.5 | 2.05 | 0.72 | 1471. |
| 100 | 4.71 | 32.82 | 99 | 26.00 | 202.5 | 2.57 | 1.18 | 1469. |
| 125 | 4.33 | 33.02 | 124 | 26.20 | 183.4 | 3.06 | 1.74 | 1468. |
| 150 | 4.82 | 33.43 | 149 | 26.48 | 158.0 | 3.48 | 2.33 | 1471. |
| 175 | 4.87 | 33.68 | 174 | 26.67 | 139.7 | 3.85 | 2.94 | 1472. |
| 200 | 4.63 | 33.79 | 199 | 26.78 | 129.5 | 4.18 | 3.58 | 1471. |
| 225 | 4.42 | 33.82 | 223 | 26.83 | 125.2 | 4.50 | 4.26 | 1471. |
| 250 | 4.23 | 33.84 | 248 | 26.87 | 121.9 | 4.81 | 5.01 | 1470. |
| 300 | 4.06 | 33.91 | 298 | 26.94 | 115.4 | 5.40 | 6.67 | 1471. |
| 400 | 3.87 | 34.02 | 397 | 27.04 | 106.3 | 6.51 | 10.62 | 1472. |
| 500 | 3.74 | 34.10 | 496 | 27.13 | 99.0 | 7.54 | 15.32 | 1473. |
| 600 | 3.56 | 34.19 | 595 | 27.21 | 91.7 | 8.49 | 20.65 | 1474. |
| 800 | 3.18 | 34.31 | 793 | 27.34 | 79.9 | 10.19 | 32.78 | 1476. |
| 1000 | 2.91 | 34.39 | 990 | 27.43 | 72.4 | 11.72 | 46.71 | 1478. |
| 1200 | 2.67 | 34.46 | 1188 | 27.51 | 66.1 | 13.10 | 62.16 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 46

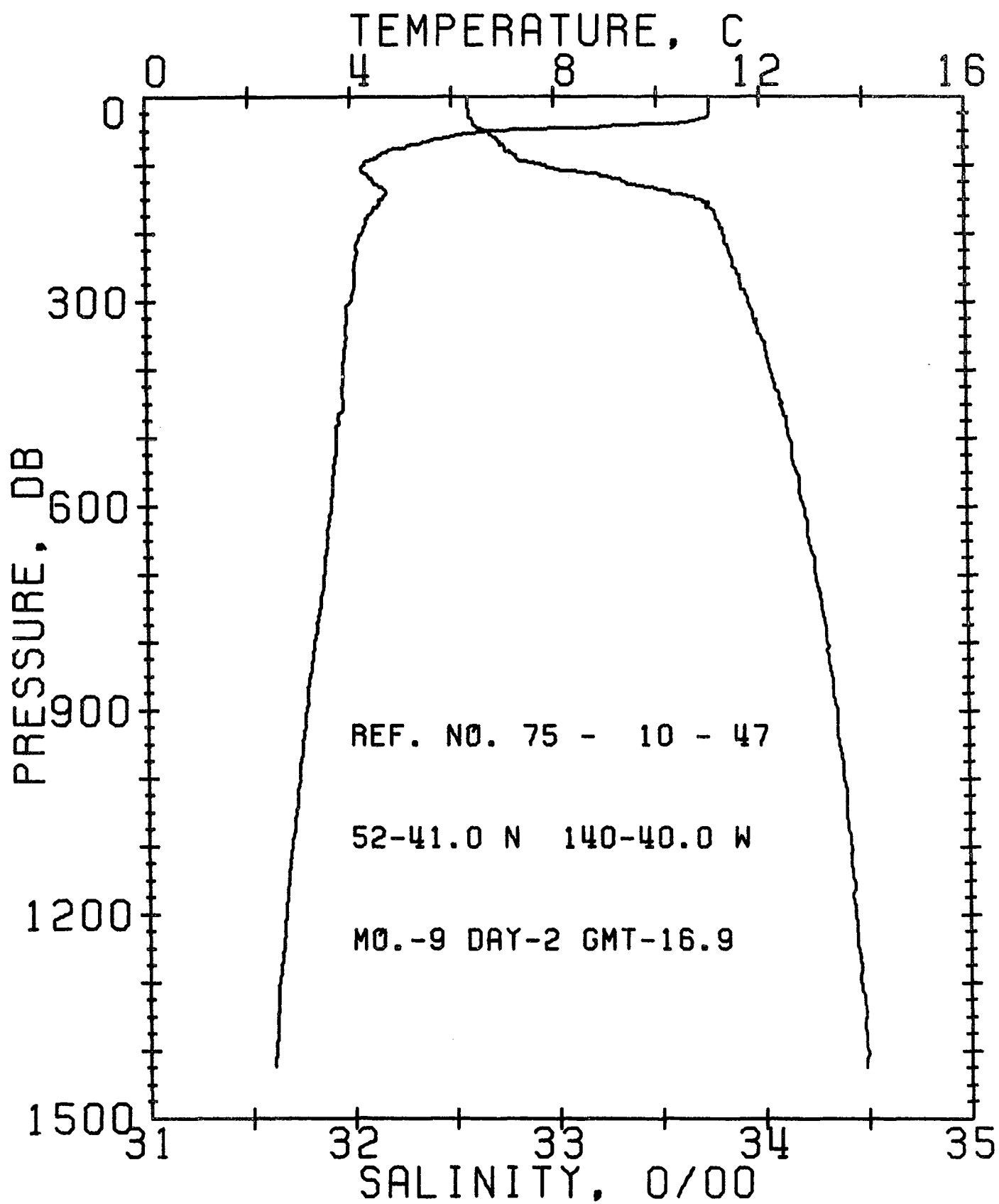
DATE 2/ 9/75

POSITION 51-41.0N, 140-40.0W

GMT 11.2

RESULTS OF STP CAST 198 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.40 | 32.46 | 0 | 24.75 | 320.3 | 0.0 | 0.0 | 1492. |
| 10 | 11.40 | 32.51 | 10 | 24.79 | 317.0 | 0.32 | 0.02 | 1492. |
| 20 | 11.40 | 32.51 | 20 | 24.79 | 317.2 | 0.64 | 0.06 | 1493. |
| 30 | 11.15 | 32.51 | 30 | 24.84 | 313.2 | 0.95 | 0.15 | 1492. |
| 50 | 6.70 | 32.64 | 50 | 25.63 | 237.9 | 1.50 | 0.37 | 1476. |
| 75 | 5.36 | 32.69 | 75 | 25.83 | 218.7 | 2.07 | 0.73 | 1471. |
| 100 | 4.86 | 32.77 | 99 | 25.95 | 207.5 | 2.60 | 1.20 | 1469. |
| 125 | 5.00 | 33.25 | 124 | 26.31 | 173.2 | 3.08 | 1.75 | 1471. |
| 150 | 5.13 | 33.59 | 149 | 26.57 | 149.5 | 3.48 | 2.30 | 1472. |
| 175 | 5.02 | 33.75 | 174 | 26.71 | 136.3 | 3.83 | 2.89 | 1472. |
| 200 | 4.77 | 33.81 | 199 | 26.78 | 129.7 | 4.16 | 3.52 | 1472. |
| 225 | 4.60 | 33.84 | 223 | 26.82 | 125.9 | 4.48 | 4.21 | 1471. |
| 250 | 4.48 | 33.87 | 248 | 26.86 | 122.1 | 4.79 | 4.96 | 1471. |
| 300 | 4.30 | 33.91 | 298 | 26.91 | 117.9 | 5.39 | 6.64 | 1472. |
| 400 | 4.03 | 34.03 | 397 | 27.04 | 106.9 | 6.51 | 10.62 | 1472. |
| 500 | 3.81 | 34.11 | 496 | 27.12 | 99.2 | 7.54 | 15.34 | 1473. |
| 600 | 3.64 | 34.18 | 595 | 27.20 | 93.0 | 8.50 | 20.70 | 1474. |
| 800 | 3.32 | 34.31 | 793 | 27.33 | 81.5 | 10.23 | 33.02 | 1476. |
| 1000 | 2.98 | 34.39 | 990 | 27.43 | 73.1 | 11.76 | 47.03 | 1478. |
| 1200 | 2.66 | 34.44 | 1188 | 27.49 | 67.1 | 13.15 | 62.62 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

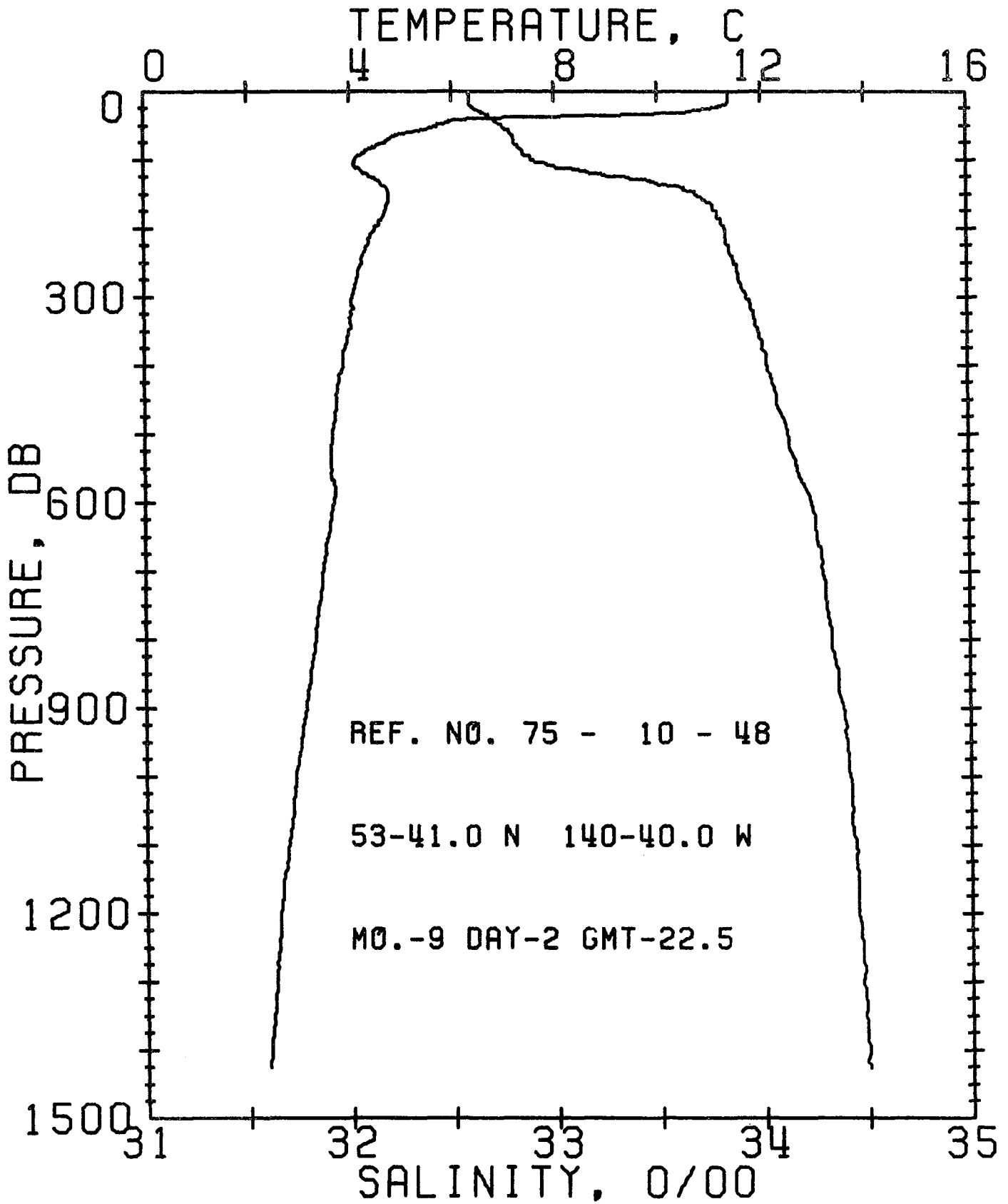
REFERENCE NO. 75-10- 47

DATE 2/ 9/75

POSITION 52-41.0N, 140-40.0W GMT 16.9

RESULTS OF STP CAST 344 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.04 | 32.58 | 0 | 24.91 | 305.3 | 0.0 | 0.0 | 1491. |
| 10 | 11.04 | 32.58 | 10 | 24.91 | 305.7 | 0.31 | 0.02 | 1491. |
| 20 | 11.03 | 32.59 | 20 | 24.92 | 305.3 | 0.61 | 0.06 | 1491. |
| 30 | 10.97 | 32.59 | 30 | 24.93 | 303.9 | 0.92 | 0.14 | 1491. |
| 50 | 6.71 | 32.68 | 50 | 25.66 | 235.1 | 1.48 | 0.37 | 1476. |
| 75 | 5.09 | 32.77 | 75 | 25.92 | 209.7 | 2.03 | 0.72 | 1470. |
| 100 | 4.28 | 32.95 | 99 | 26.15 | 188.0 | 2.53 | 1.16 | 1467. |
| 125 | 4.49 | 33.36 | 124 | 26.46 | 159.5 | 2.96 | 1.65 | 1469. |
| 150 | 4.61 | 33.69 | 149 | 26.71 | 136.3 | 3.33 | 2.17 | 1470. |
| 175 | 4.36 | 33.79 | 174 | 26.81 | 126.4 | 3.65 | 2.70 | 1470. |
| 200 | 4.23 | 33.82 | 199 | 26.85 | 123.0 | 3.96 | 3.30 | 1469. |
| 225 | 4.13 | 33.85 | 223 | 26.88 | 119.9 | 4.26 | 3.95 | 1470. |
| 250 | 4.07 | 33.87 | 248 | 26.91 | 117.7 | 4.56 | 4.67 | 1470. |
| 300 | 3.99 | 33.94 | 298 | 26.97 | 112.4 | 5.14 | 6.28 | 1470. |
| 400 | 3.85 | 34.04 | 397 | 27.07 | 103.9 | 6.21 | 10.11 | 1471. |
| 500 | 3.70 | 34.14 | 496 | 27.15 | 96.3 | 7.21 | 14.68 | 1473. |
| 600 | 3.59 | 34.20 | 595 | 27.22 | 90.9 | 8.15 | 19.94 | 1474. |
| 800 | 3.26 | 34.31 | 792 | 27.34 | 80.6 | 9.86 | 32.14 | 1476. |
| 1000 | 2.95 | 34.39 | 990 | 27.43 | 72.9 | 11.39 | 46.14 | 1478. |
| 1200 | 2.66 | 34.44 | 1187 | 27.49 | 67.2 | 12.79 | 61.74 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

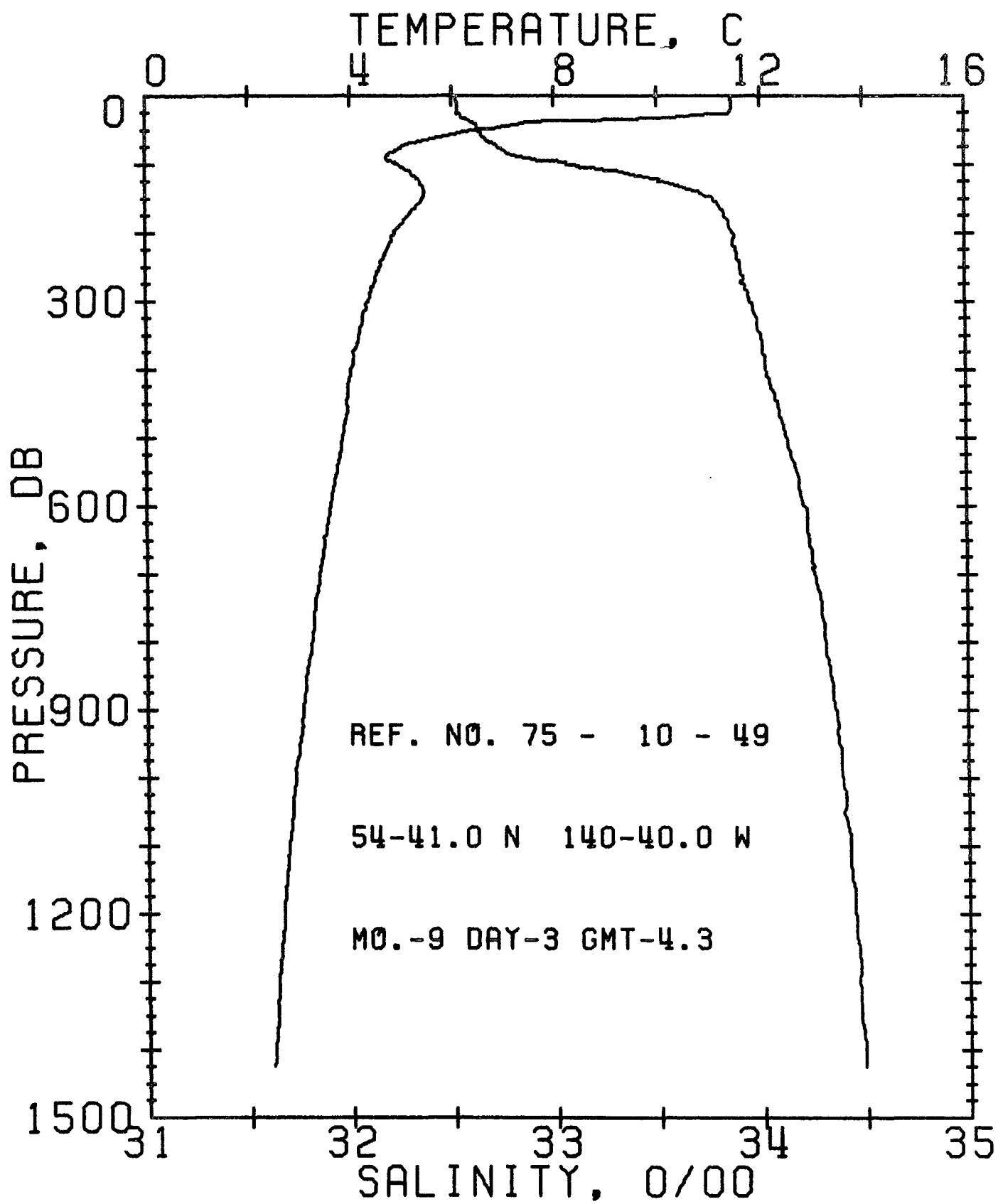
REFERENCE NO. 75-10- 48

DATE 2/ 9/75

POSITION 53-41.0N, 140-40.0W GMT 22.5

RESULTS OF STP CAST 359 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.39 | 32.58 | 0 | 24.85 | 311.2 | 0.0 | 0.0 | 1492. |
| 10 | 11.39 | 32.59 | 10 | 24.86 | 310.9 | 0.31 | 0.02 | 1492. |
| 20 | 11.34 | 32.59 | 20 | 24.86 | 310.3 | 0.62 | 0.06 | 1492. |
| 30 | 10.60 | 32.65 | 30 | 25.04 | 293.6 | 0.92 | 0.14 | 1490. |
| 50 | 5.71 | 32.75 | 50 | 25.83 | 218.2 | 1.41 | 0.34 | 1472. |
| 75 | 4.69 | 32.81 | 75 | 26.00 | 202.4 | 1.93 | 0.67 | 1468. |
| 100 | 4.11 | 32.89 | 99 | 26.13 | 190.5 | 2.42 | 1.10 | 1466. |
| 125 | 4.45 | 33.37 | 124 | 26.47 | 158.3 | 2.87 | 1.61 | 1469. |
| 150 | 4.78 | 33.68 | 149 | 26.68 | 138.8 | 3.23 | 2.12 | 1471. |
| 175 | 4.69 | 33.79 | 174 | 26.78 | 129.9 | 3.57 | 2.68 | 1471. |
| 200 | 4.50 | 33.82 | 199 | 26.82 | 125.6 | 3.89 | 3.29 | 1471. |
| 225 | 4.33 | 33.84 | 223 | 26.85 | 122.7 | 4.20 | 3.96 | 1470. |
| 250 | 4.24 | 33.87 | 248 | 26.89 | 119.7 | 4.50 | 4.70 | 1470. |
| 300 | 4.05 | 33.93 | 298 | 26.96 | 113.7 | 5.09 | 6.33 | 1471. |
| 400 | 3.85 | 34.02 | 397 | 27.05 | 105.5 | 6.18 | 10.23 | 1471. |
| 500 | 3.65 | 34.12 | 496 | 27.15 | 96.9 | 7.19 | 14.85 | 1472. |
| 600 | 3.67 | 34.23 | 595 | 27.24 | 89.3 | 8.13 | 20.09 | 1474. |
| 800 | 3.30 | 34.33 | 792 | 27.35 | 79.8 | 9.81 | 32.04 | 1476. |
| 1000 | 2.92 | 34.42 | 990 | 27.45 | 70.6 | 11.30 | 45.74 | 1478. |
| 1200 | 2.60 | 34.45 | 1187 | 27.51 | 65.8 | 12.66 | 60.97 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 49

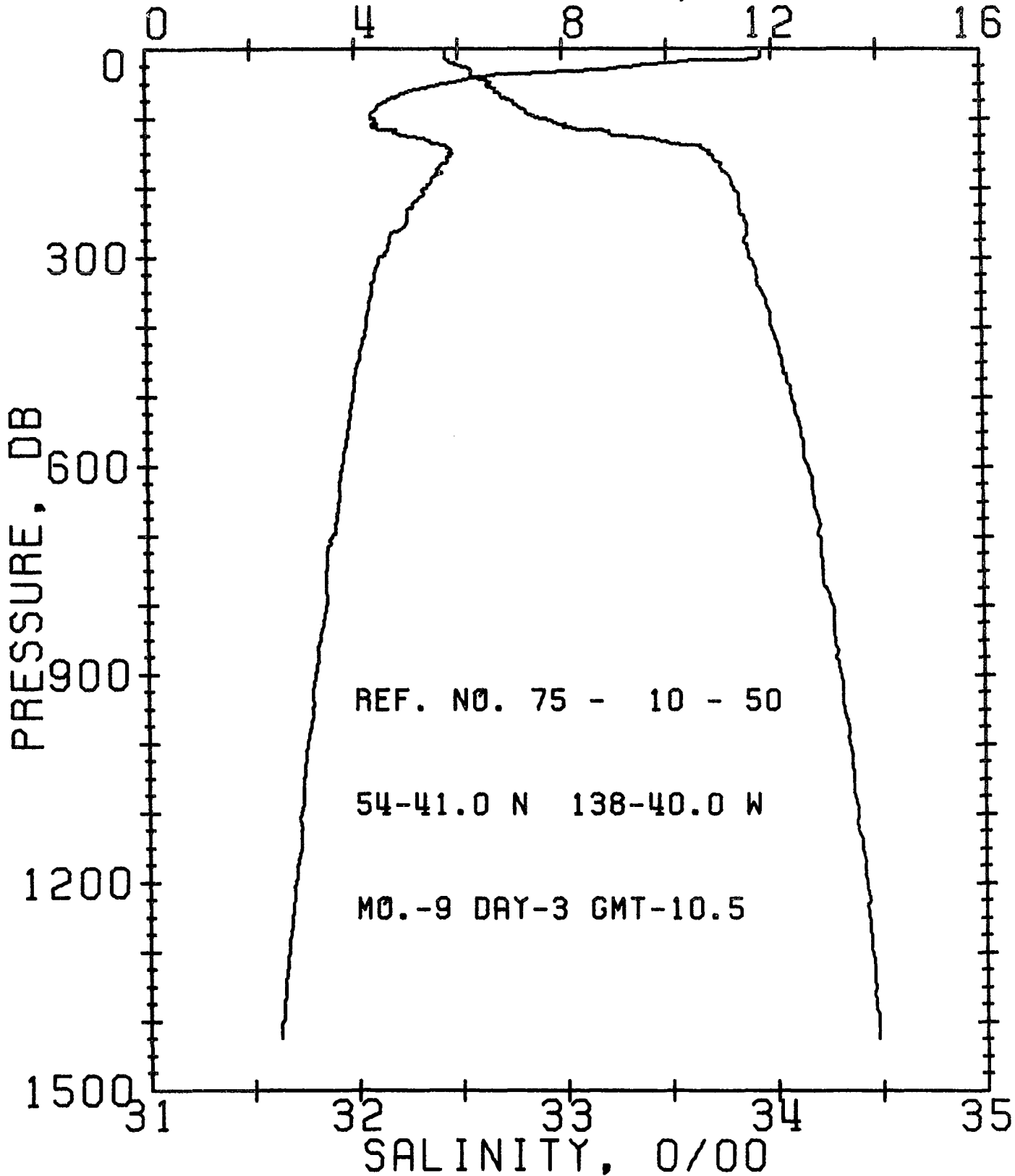
DATE 3/ 9/75

POSITION 54-41.0N, 140-40.0W GMT 4.3

RESULTS OF STP CAST 358 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.46 | 32.52 | 0 | 24.79 | 316.9 | 0.0 | 0.0 | 1492. |
| 10 | 11.47 | 32.52 | 10 | 24.79 | 317.1 | 0.32 | 0.02 | 1493. |
| 20 | 11.45 | 32.53 | 20 | 24.80 | 316.6 | 0.63 | 0.06 | 1493. |
| 30 | 10.55 | 32.55 | 30 | 24.97 | 300.1 | 0.94 | 0.14 | 1490. |
| 50 | 6.38 | 32.63 | 50 | 25.66 | 234.7 | 1.46 | 0.35 | 1474. |
| 75 | 5.00 | 32.74 | 75 | 25.91 | 211.0 | 2.01 | 0.70 | 1469. |
| 100 | 4.96 | 33.06 | 99 | 26.17 | 186.8 | 2.51 | 1.15 | 1470. |
| 125 | 5.39 | 33.55 | 124 | 26.51 | 155.2 | 2.93 | 1.63 | 1473. |
| 150 | 5.42 | 33.77 | 149 | 26.68 | 139.3 | 3.30 | 2.14 | 1474. |
| 175 | 5.12 | 33.83 | 174 | 26.76 | 131.6 | 3.64 | 2.70 | 1473. |
| 200 | 4.88 | 33.87 | 199 | 26.82 | 126.1 | 3.96 | 3.31 | 1472. |
| 225 | 4.72 | 33.88 | 223 | 26.85 | 123.8 | 4.27 | 3.99 | 1472. |
| 250 | 4.59 | 33.90 | 248 | 26.87 | 121.3 | 4.58 | 4.73 | 1472. |
| 300 | 4.38 | 33.95 | 298 | 26.94 | 115.7 | 5.17 | 6.39 | 1472. |
| 400 | 4.01 | 34.02 | 397 | 27.03 | 107.2 | 6.27 | 10.32 | 1472. |
| 500 | 3.84 | 34.12 | 496 | 27.13 | 99.0 | 7.30 | 15.03 | 1473. |
| 600 | 3.59 | 34.21 | 595 | 27.22 | 90.5 | 8.25 | 20.32 | 1474. |
| 800 | 3.21 | 34.31 | 792 | 27.34 | 80.4 | 9.95 | 32.45 | 1476. |
| 1000 | 2.88 | 34.39 | 990 | 27.43 | 72.4 | 11.47 | 46.37 | 1478. |
| 1200 | 2.64 | 34.44 | 1187 | 27.50 | 66.6 | 12.86 | 61.89 | 1480. |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 50

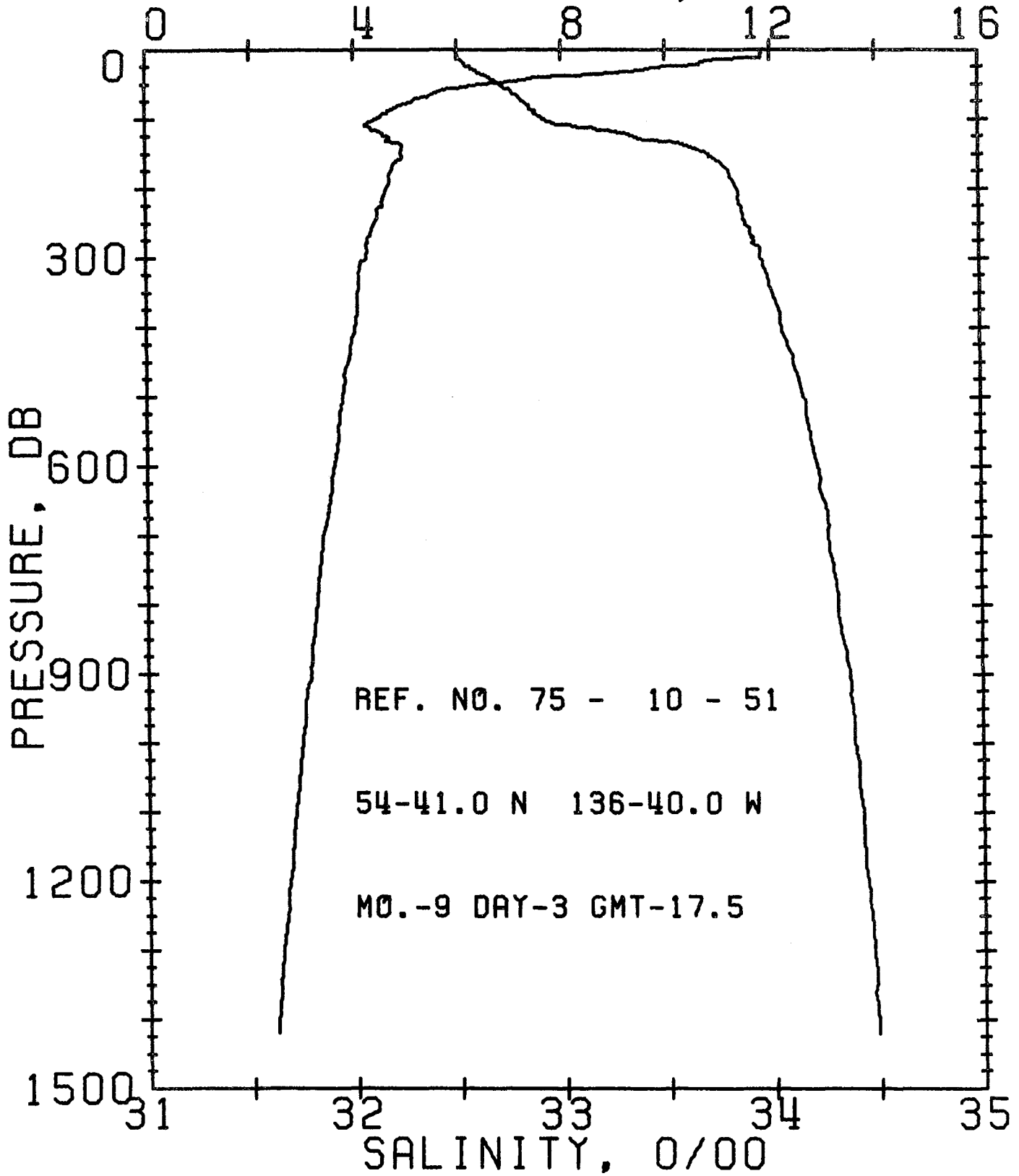
DATE 3/ 9/75

POSITION 54-41.0N, 138-40.0W GMT 10.5

RESULTS OF STP CAST 349 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.82 | 32.44 | 0 | 24.66 | 329.0 | 0.0 | 0.0 | 1494. |
| 10 | 11.82 | 32.44 | 10 | 24.66 | 329.5 | 0.33 | 0.02 | 1494. |
| 20 | 9.91 | 32.49 | 20 | 25.03 | 294.1 | 0.65 | 0.07 | 1487. |
| 30 | 8.61 | 32.57 | 30 | 25.30 | 268.7 | 0.93 | 0.14 | 1483. |
| 50 | 5.74 | 32.66 | 50 | 25.76 | 225.0 | 1.41 | 0.33 | 1472. |
| 75 | 4.61 | 32.77 | 75 | 25.98 | 204.7 | 1.95 | 0.67 | 1468. |
| 100 | 4.33 | 32.91 | 99 | 26.12 | 191.5 | 2.45 | 1.11 | 1467. |
| 125 | 5.08 | 33.34 | 124 | 26.38 | 167.1 | 2.90 | 1.63 | 1471. |
| 150 | 5.89 | 33.70 | 149 | 26.56 | 150.1 | 3.29 | 2.18 | 1475. |
| 175 | 5.60 | 33.77 | 174 | 26.66 | 141.7 | 3.65 | 2.78 | 1475. |
| 200 | 5.35 | 33.82 | 199 | 26.72 | 135.3 | 4.00 | 3.44 | 1474. |
| 225 | 5.12 | 33.84 | 223 | 26.77 | 131.4 | 4.33 | 4.16 | 1474. |
| 250 | 4.99 | 33.88 | 248 | 26.81 | 127.4 | 4.65 | 4.94 | 1474. |
| 300 | 4.48 | 33.89 | 298 | 26.88 | 121.3 | 5.28 | 6.68 | 1472. |
| 400 | 4.20 | 33.99 | 397 | 26.99 | 111.4 | 6.43 | 10.79 | 1473. |
| 500 | 3.95 | 34.09 | 496 | 27.09 | 102.4 | 7.50 | 15.67 | 1474. |
| 600 | 3.73 | 34.16 | 595 | 27.17 | 95.7 | 8.49 | 21.22 | 1474. |
| 800 | 3.42 | 34.28 | 792 | 27.29 | 84.9 | 10.29 | 34.07 | 1477. |
| 1000 | 3.03 | 34.35 | 990 | 27.39 | 76.7 | 11.91 | 48.90 | 1478. |
| 1200 | 2.79 | 34.43 | 1187 | 27.47 | 69.3 | 13.38 | 65.31 | 1481. |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY GROUP

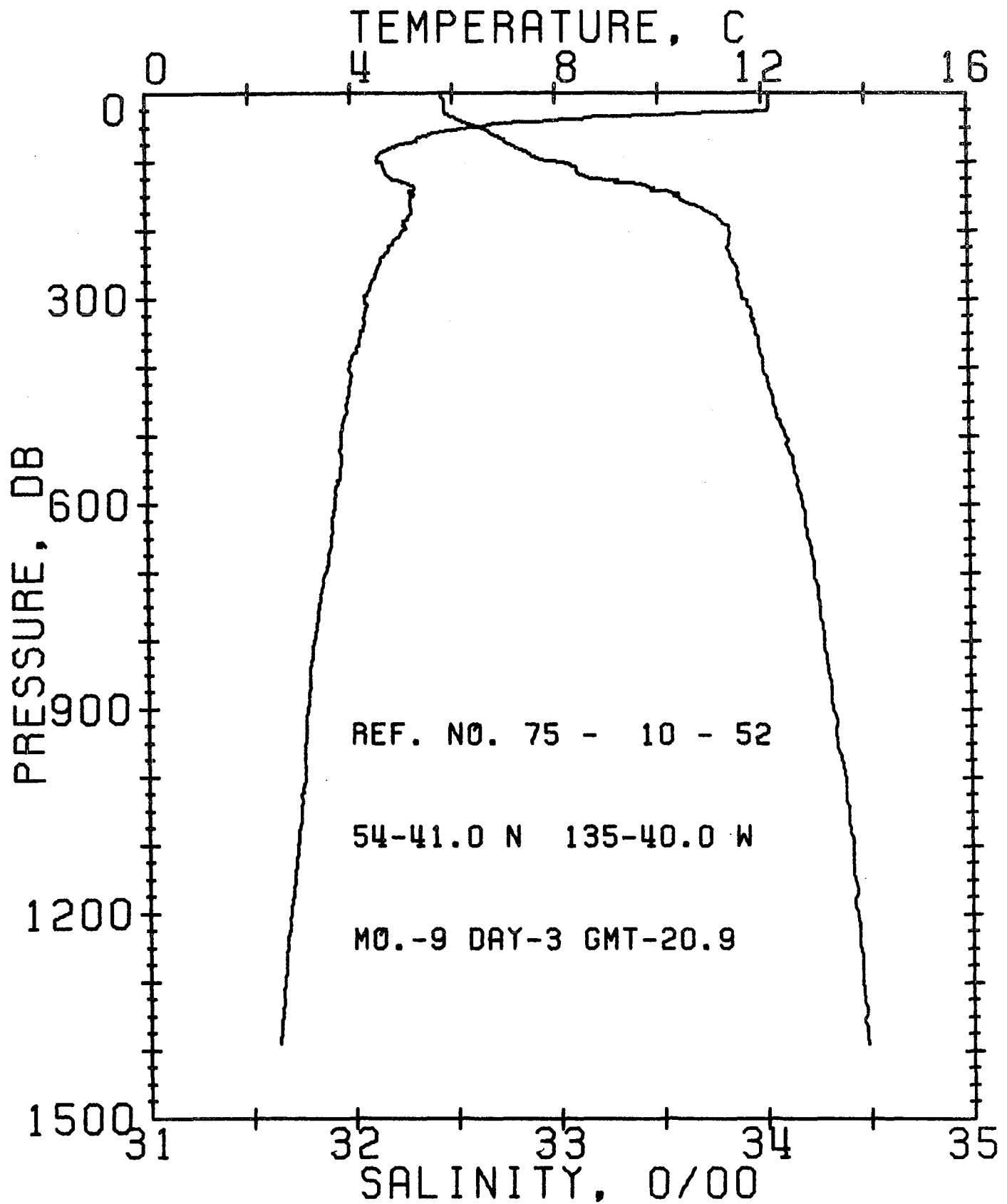
REFERENCE NO. 75-10- 51

DATE 3/ 9/75

POSITION 54-41.0N, 136-40.0W GMT 17.5

RESULTS OF STP CAST 225 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.79 | 32.50 | 0 | 24.71 | 324.1 | 0.0 | 0.0 | 1494. |
| 10 | 11.83 | 32.51 | 10 | 24.71 | 324.7 | 0.32 | 0.02 | 1494. |
| 20 | 10.67 | 32.54 | 20 | 24.94 | 302.7 | 0.64 | 0.06 | 1490. |
| 30 | 9.45 | 32.59 | 30 | 25.19 | 279.6 | 0.93 | 0.14 | 1486. |
| 50 | 6.41 | 32.71 | 50 | 25.72 | 228.9 | 1.43 | 0.34 | 1475. |
| 75 | 5.12 | 32.83 | 75 | 25.97 | 205.6 | 1.97 | 0.68 | 1470. |
| 100 | 4.43 | 32.91 | 99 | 26.11 | 192.2 | 2.47 | 1.13 | 1468. |
| 125 | 4.69 | 33.36 | 124 | 26.44 | 161.7 | 2.91 | 1.63 | 1470. |
| 150 | 4.93 | 33.70 | 149 | 26.68 | 139.0 | 3.28 | 2.14 | 1471. |
| 175 | 4.72 | 33.80 | 174 | 26.78 | 129.4 | 3.61 | 2.70 | 1471. |
| 200 | 4.64 | 33.84 | 199 | 26.82 | 125.7 | 3.93 | 3.31 | 1471. |
| 225 | 4.54 | 33.86 | 223 | 26.85 | 123.7 | 4.24 | 3.98 | 1471. |
| 250 | 4.40 | 33.88 | 248 | 26.88 | 120.5 | 4.55 | 4.72 | 1471. |
| 300 | 4.23 | 33.95 | 298 | 26.95 | 114.2 | 5.13 | 6.35 | 1471. |
| 400 | 4.01 | 34.05 | 397 | 27.05 | 105.3 | 6.22 | 10.23 | 1472. |
| 500 | 3.76 | 34.15 | 496 | 27.16 | 95.7 | 7.22 | 14.81 | 1473. |
| 600 | 3.60 | 34.21 | 595 | 27.23 | 90.2 | 8.15 | 20.03 | 1474. |
| 800 | 3.24 | 34.31 | 792 | 27.34 | 80.6 | 9.85 | 32.12 | 1476. |
| 1000 | 2.94 | 34.38 | 990 | 27.42 | 73.2 | 11.38 | 46.13 | 1478. |
| 1200 | 2.70 | 34.44 | 1187 | 27.49 | 67.6 | 12.79 | 61.88 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

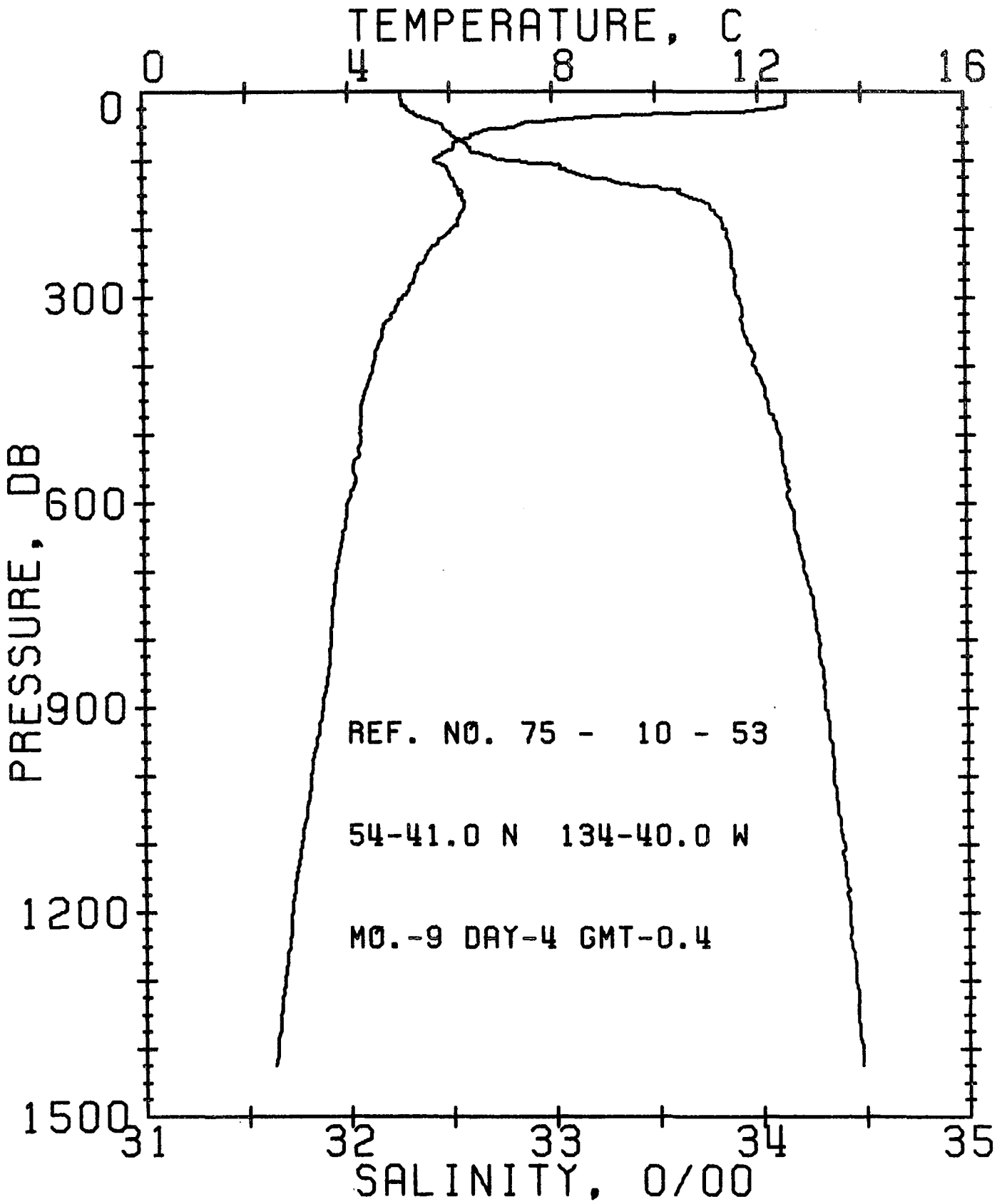
REFERENCE NO. 75-10- 52

DATE 3/ 9/75

POSITION 54-41.0N, 135-40.0W GMT 20.9

RESULTS OF STP CAST 357 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 12.15 | 32.45 | 0 | 24.61 | 334.2 | 0.0 | 0.0 | 1495. |
| 10 | 12.15 | 32.46 | 10 | 24.61 | 333.8 | 0.33 | 0.02 | 1495. |
| 20 | 12.15 | 32.46 | 20 | 24.61 | 334.1 | 0.67 | 0.07 | 1495. |
| 30 | 10.42 | 32.48 | 30 | 24.94 | 303.2 | 1.00 | 0.15 | 1489. |
| 50 | 6.37 | 32.65 | 50 | 25.68 | 233.2 | 1.52 | 0.36 | 1474. |
| 75 | 4.96 | 32.79 | 75 | 25.96 | 206.5 | 2.06 | 0.71 | 1469. |
| 100 | 4.57 | 33.04 | 99 | 26.20 | 184.2 | 2.55 | 1.14 | 1468. |
| 125 | 4.83 | 33.27 | 124 | 26.35 | 169.9 | 3.00 | 1.66 | 1470. |
| 150 | 5.21 | 33.60 | 149 | 26.57 | 149.6 | 3.40 | 2.21 | 1472. |
| 175 | 5.18 | 33.77 | 174 | 26.70 | 136.8 | 3.76 | 2.81 | 1473. |
| 200 | 5.03 | 33.84 | 199 | 26.78 | 130.1 | 4.09 | 3.44 | 1473. |
| 225 | 4.75 | 33.84 | 223 | 26.81 | 127.3 | 4.41 | 4.14 | 1472. |
| 250 | 4.56 | 33.87 | 248 | 26.85 | 123.2 | 4.73 | 4.90 | 1472. |
| 300 | 4.28 | 33.91 | 298 | 26.92 | 117.2 | 5.33 | 6.58 | 1471. |
| 400 | 3.96 | 34.00 | 397 | 27.02 | 108.4 | 6.46 | 10.59 | 1472. |
| 500 | 3.79 | 34.11 | 496 | 27.12 | 99.3 | 7.50 | 15.37 | 1473. |
| 600 | 3.66 | 34.19 | 595 | 27.20 | 92.6 | 8.46 | 20.75 | 1474. |
| 800 | 3.23 | 34.29 | 792 | 27.32 | 82.0 | 10.20 | 33.15 | 1476. |
| 1000 | 3.03 | 34.39 | 990 | 27.42 | 74.1 | 11.77 | 47.45 | 1478. |
| 1200 | 2.74 | 34.44 | 1187 | 27.49 | 68.0 | 13.19 | 63.34 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

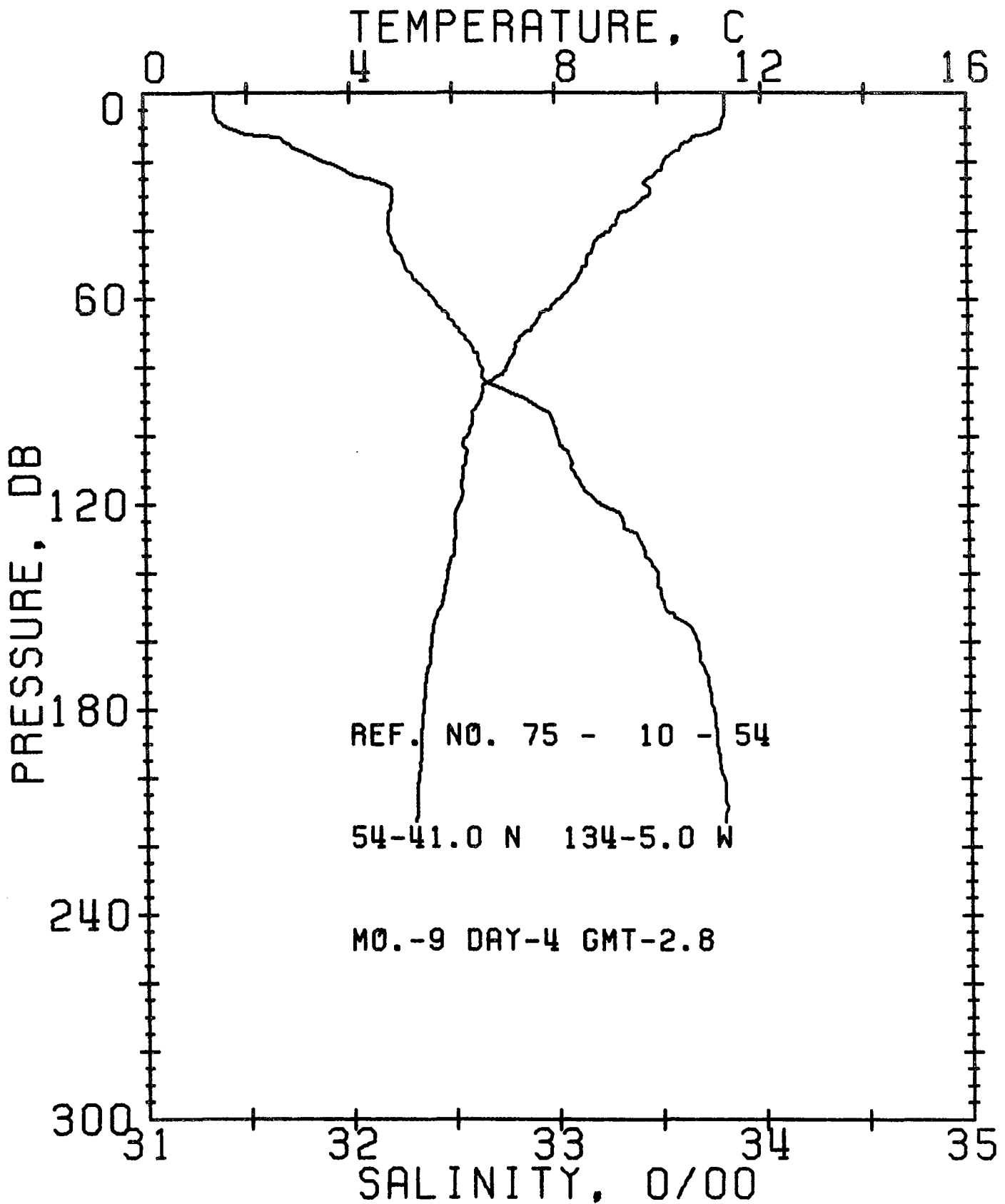
REFERENCE NO. 75-10-53

DATE 4/ 9/75

POSITION 54-41.0N, 134-40.0W GMT 0.4

RESULTS OF STP CAST 378 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 12.57 | 32.26 | 0 | 24.38 | 355.7 | 0.0 | 0.0 | 1496. |
| 10 | 12.57 | 32.26 | 10 | 24.38 | 356.2 | 0.36 | 0.02 | 1496. |
| 20 | 12.52 | 32.28 | 20 | 24.41 | 354.0 | 0.71 | 0.07 | 1496. |
| 30 | 10.74 | 32.33 | 30 | 24.77 | 319.6 | 1.06 | 0.16 | 1490. |
| 50 | 7.32 | 32.47 | 50 | 25.41 | 258.7 | 1.62 | 0.39 | 1478. |
| 75 | 6.09 | 32.59 | 75 | 25.66 | 234.5 | 2.23 | 0.77 | 1473. |
| 100 | 5.71 | 32.82 | 99 | 25.89 | 213.2 | 2.80 | 1.28 | 1473. |
| 125 | 6.05 | 33.20 | 124 | 26.15 | 189.1 | 3.29 | 1.85 | 1475. |
| 150 | 6.19 | 33.64 | 149 | 26.48 | 158.3 | 3.72 | 2.45 | 1476. |
| 175 | 6.23 | 33.79 | 174 | 26.59 | 148.0 | 4.10 | 3.08 | 1477. |
| 200 | 6.02 | 33.84 | 199 | 26.66 | 141.9 | 4.46 | 3.77 | 1477. |
| 225 | 5.67 | 33.86 | 223 | 26.72 | 136.5 | 4.81 | 4.52 | 1476. |
| 250 | 5.42 | 33.87 | 248 | 26.76 | 133.1 | 5.15 | 5.33 | 1475. |
| 300 | 5.06 | 33.90 | 298 | 26.82 | 127.1 | 5.80 | 7.16 | 1475. |
| 400 | 4.49 | 33.97 | 397 | 26.94 | 116.1 | 7.01 | 11.46 | 1474. |
| 500 | 4.23 | 34.10 | 496 | 27.07 | 105.0 | 8.10 | 16.48 | 1475. |
| 600 | 3.96 | 34.14 | 595 | 27.13 | 99.6 | 9.13 | 22.21 | 1475. |
| 800 | 3.63 | 34.28 | 792 | 27.28 | 87.1 | 10.98 | 35.40 | 1477. |
| 1000 | 3.23 | 34.35 | 990 | 27.37 | 78.9 | 12.65 | 50.61 | 1479. |
| 1200 | 2.85 | 34.42 | 1187 | 27.46 | 70.7 | 14.14 | 67.28 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

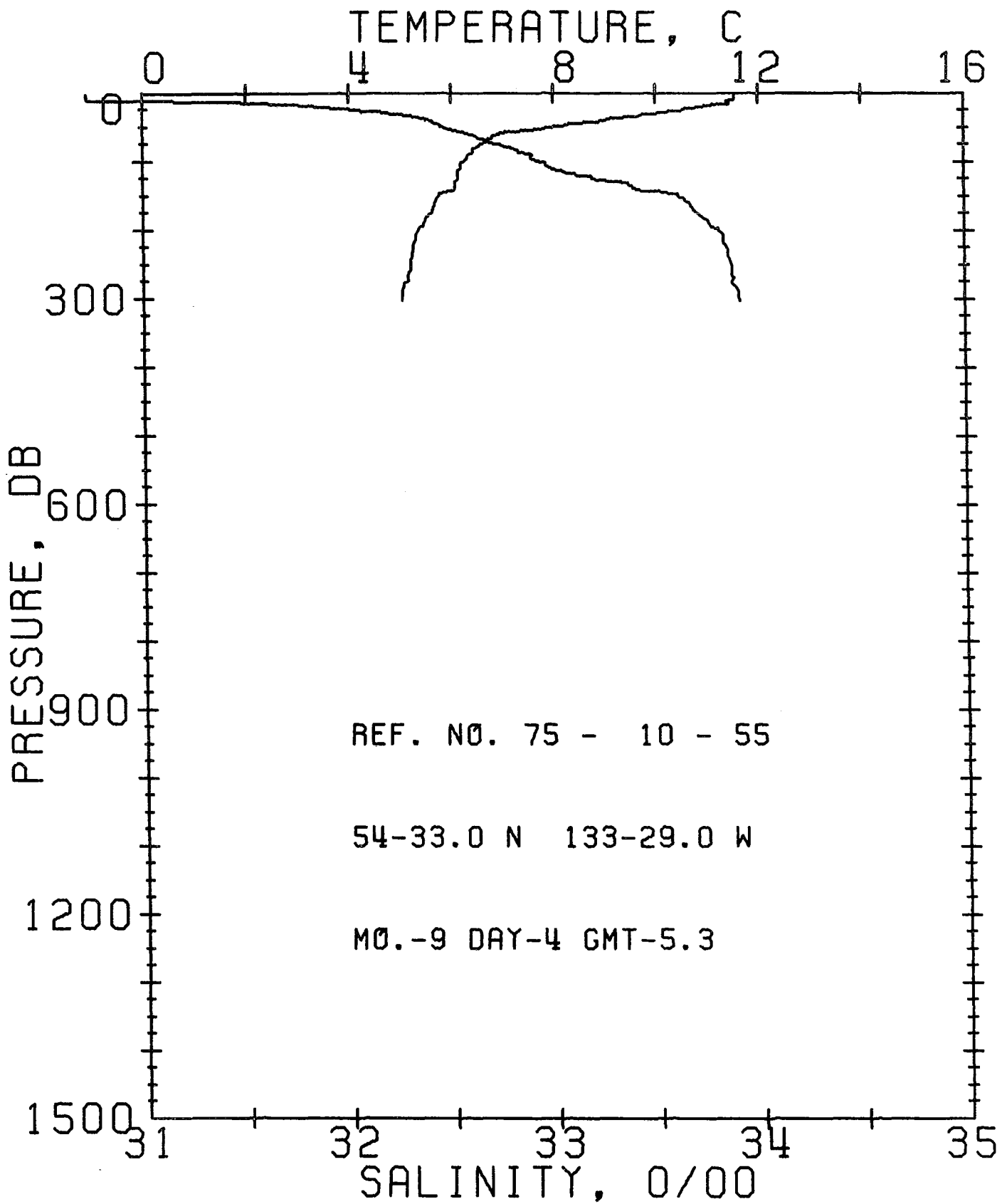
REFERENCE NO. 75-10- 54

DATE 4/ 9/75

POSITION 54-41.0N, 134- 5.0W GMT 2.8

RESULTS OF STP CAST 147 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.30 | 31.34 | 0 | 23.90 | 401.3 | 0.0 | 0.0 | 1490. |
| 10 | 11.23 | 31.41 | 10 | 23.97 | 395.3 | 0.40 | 0.02 | 1490. |
| 20 | 10.10 | 31.88 | 20 | 24.53 | 342.3 | 0.77 | 0.08 | 1487. |
| 30 | 9.81 | 32.21 | 30 | 24.83 | 313.5 | 1.09 | 0.16 | 1487. |
| 50 | 8.61 | 32.26 | 50 | 25.06 | 292.1 | 1.69 | 0.40 | 1483. |
| 75 | 7.21 | 32.60 | 75 | 25.53 | 247.9 | 2.37 | 0.83 | 1478. |
| 100 | 6.26 | 33.00 | 99 | 25.97 | 206.4 | 2.93 | 1.33 | 1475. |
| 125 | 6.02 | 33.32 | 124 | 26.25 | 179.5 | 3.42 | 1.89 | 1475. |
| 150 | 5.73 | 33.51 | 149 | 26.43 | 162.3 | 3.84 | 2.48 | 1474. |
| 175 | 5.41 | 33.74 | 174 | 26.65 | 142.0 | 4.21 | 3.09 | 1474. |
| 200 | 5.27 | 33.80 | 199 | 26.72 | 135.9 | 4.56 | 3.76 | 1474. |



OFFSHORE OCEANOGRAPHY GROUP

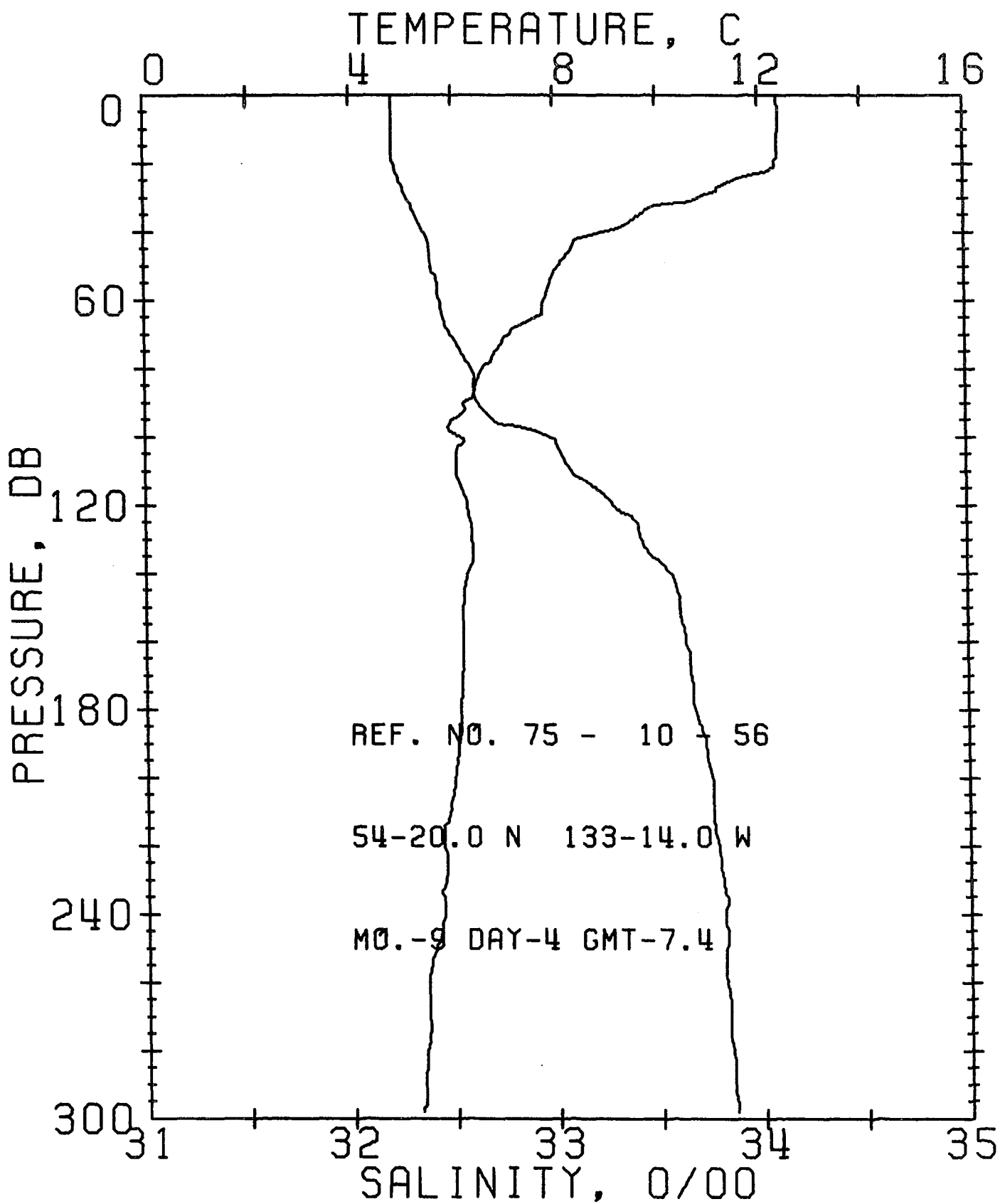
REFERENCE NO. 75-10- 55

DATE 4/ 9/75

POSITION 54-33.0N, 133-29.0W GMT 5.3

RESULTS OF STP CAST 159 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.55 | 30.73 | 0 | 23.39 | 450.6 | 0.0 | 0.0 | 1491. |
| 10 | 11.45 | 31.09 | 10 | 23.68 | 422.7 | 0.45 | 0.02 | 1491. |
| 20 | 10.81 | 31.89 | 20 | 24.42 | 353.0 | 0.84 | 0.08 | 1490. |
| 30 | 9.77 | 32.26 | 30 | 24.88 | 309.2 | 1.17 | 0.17 | 1487. |
| 50 | 7.96 | 32.47 | 50 | 25.32 | 267.3 | 1.74 | 0.40 | 1480. |
| 75 | 6.55 | 32.75 | 75 | 25.73 | 228.2 | 2.35 | 0.78 | 1476. |
| 100 | 6.23 | 32.95 | 99 | 25.93 | 209.6 | 2.89 | 1.27 | 1475. |
| 125 | 6.13 | 33.20 | 124 | 26.14 | 189.6 | 3.39 | 1.84 | 1475. |
| 150 | 5.75 | 33.61 | 149 | 26.51 | 155.1 | 3.82 | 2.44 | 1475. |
| 175 | 5.58 | 33.71 | 174 | 26.61 | 146.0 | 4.20 | 3.06 | 1475. |
| 200 | 5.35 | 33.81 | 199 | 26.72 | 136.1 | 4.55 | 3.74 | 1474. |
| 225 | 5.25 | 33.84 | 223 | 26.75 | 132.7 | 4.89 | 4.46 | 1474. |
| 250 | 5.20 | 33.87 | 248 | 26.78 | 130.8 | 5.22 | 5.26 | 1474. |
| 300 | 5.03 | 33.90 | 298 | 26.83 | 126.3 | 5.86 | 7.06 | 1475. |



OFFSHORE OCEANOGRAPHY GROUP

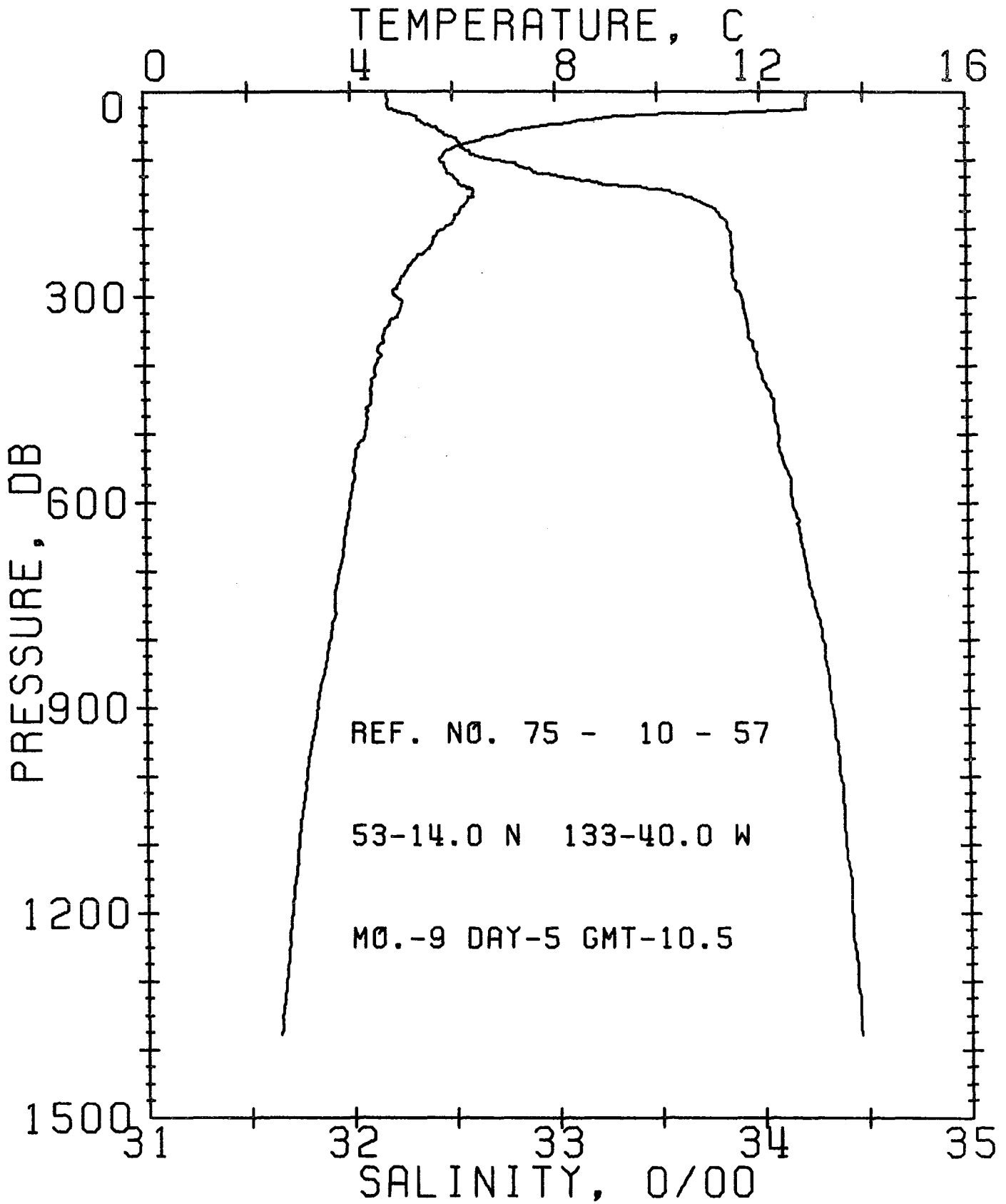
REFERENCE NO. 75-10- 56

DATE 4/ 9/75

POSITION 54-20.0N, 133-14.0W GMT 7.4

RESULTS OF STP CAST 152 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 12.38 | 32.21 | 0 | 24.38 | 356.0 | 0.0 | 0.0 | 1495. |
| 10 | 12.39 | 32.21 | 10 | 24.38 | 356.6 | 0.36 | 0.02 | 1495. |
| 20 | 12.32 | 32.21 | 20 | 24.39 | 355.2 | 0.71 | 0.07 | 1495. |
| 30 | 10.84 | 32.28 | 30 | 24.71 | 325.0 | 1.05 | 0.16 | 1490. |
| 50 | 8.07 | 32.40 | 50 | 25.25 | 273.7 | 1.64 | 0.40 | 1481. |
| 75 | 6.83 | 32.54 | 75 | 25.53 | 247.4 | 2.30 | 0.81 | 1476. |
| 100 | 6.14 | 32.98 | 99 | 25.97 | 206.3 | 2.88 | 1.33 | 1475. |
| 125 | 6.34 | 33.40 | 124 | 26.27 | 177.7 | 3.36 | 1.88 | 1476. |
| 150 | 6.17 | 33.59 | 149 | 26.44 | 161.6 | 3.78 | 2.47 | 1476. |
| 175 | 6.12 | 33.66 | 174 | 26.50 | 156.3 | 4.18 | 3.13 | 1477. |
| 200 | 5.98 | 33.75 | 199 | 26.59 | 148.3 | 4.56 | 3.86 | 1477. |
| 225 | 5.81 | 33.79 | 223 | 26.65 | 143.3 | 4.93 | 4.65 | 1476. |
| 250 | 5.60 | 33.82 | 248 | 26.69 | 138.8 | 5.28 | 5.50 | 1476. |



OFFSHORE OCEANOGRAPHY GROUP

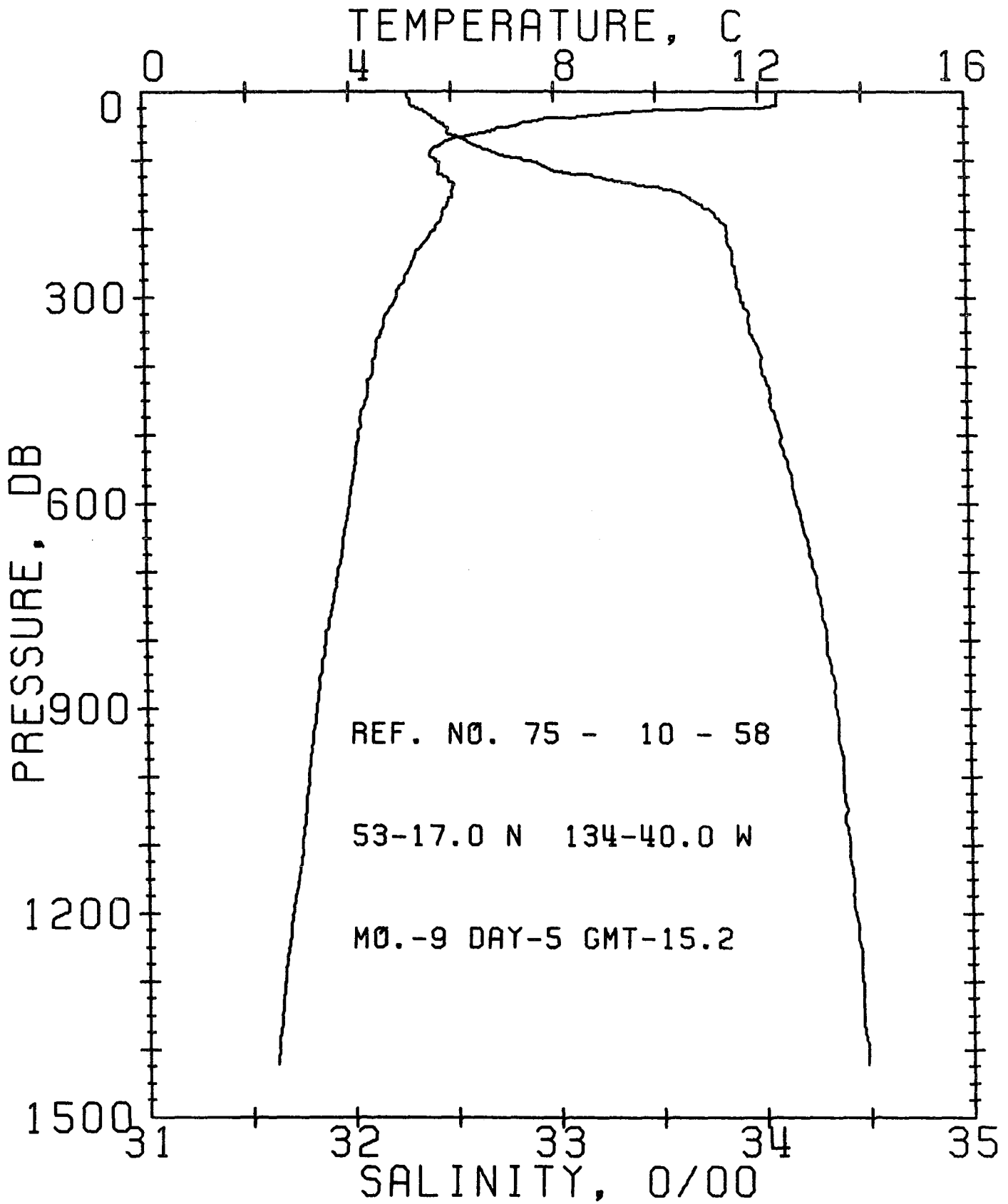
REFERENCE NO. 75-10- 57

DATE 5/ 9/75

POSITION 53-14.0N, 133-40.0W GMT 10.5

RESULTS OF STP CAST 302 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 12.91 | 32.18 | 0 | 24.25 | 367.9 | 0.0 | 0.0 | 1497. |
| 10 | 12.91 | 32.18 | 10 | 24.25 | 368.2 | 0.37 | 0.02 | 1497. |
| 20 | 12.91 | 32.18 | 20 | 24.25 | 368.6 | 0.74 | 0.08 | 1497. |
| 30 | 11.42 | 32.25 | 30 | 24.59 | 336.7 | 1.10 | 0.17 | 1492. |
| 50 | 7.83 | 32.39 | 50 | 25.28 | 271.4 | 1.68 | 0.40 | 1480. |
| 75 | 6.31 | 32.53 | 75 | 25.59 | 241.5 | 2.32 | 0.81 | 1474. |
| 100 | 5.77 | 32.73 | 99 | 25.81 | 220.6 | 2.90 | 1.32 | 1473. |
| 125 | 6.04 | 33.06 | 124 | 26.04 | 199.5 | 3.43 | 1.93 | 1475. |
| 150 | 6.37 | 33.61 | 149 | 26.43 | 162.8 | 3.88 | 2.56 | 1477. |
| 175 | 6.12 | 33.80 | 174 | 26.61 | 145.7 | 4.26 | 3.19 | 1477. |
| 200 | 5.83 | 33.85 | 199 | 26.69 | 138.8 | 4.62 | 3.87 | 1476. |
| 225 | 5.55 | 33.86 | 223 | 26.73 | 134.9 | 4.96 | 4.61 | 1475. |
| 250 | 5.18 | 33.86 | 248 | 26.78 | 130.9 | 5.29 | 5.42 | 1474. |
| 300 | 4.91 | 33.92 | 298 | 26.85 | 123.9 | 5.93 | 7.20 | 1474. |
| 400 | 4.46 | 33.99 | 397 | 26.96 | 114.6 | 7.12 | 11.44 | 1474. |
| 500 | 4.26 | 34.08 | 496 | 27.06 | 106.2 | 8.22 | 16.46 | 1475. |
| 600 | 3.94 | 34.15 | 595 | 27.14 | 98.7 | 9.24 | 22.17 | 1475. |
| 800 | 3.55 | 34.29 | 793 | 27.29 | 85.5 | 11.08 | 35.26 | 1477. |
| 1000 | 3.08 | 34.37 | 990 | 27.40 | 75.5 | 12.68 | 49.91 | 1478. |
| 1200 | 2.79 | 34.42 | 1188 | 27.47 | 69.8 | 14.13 | 66.14 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 58

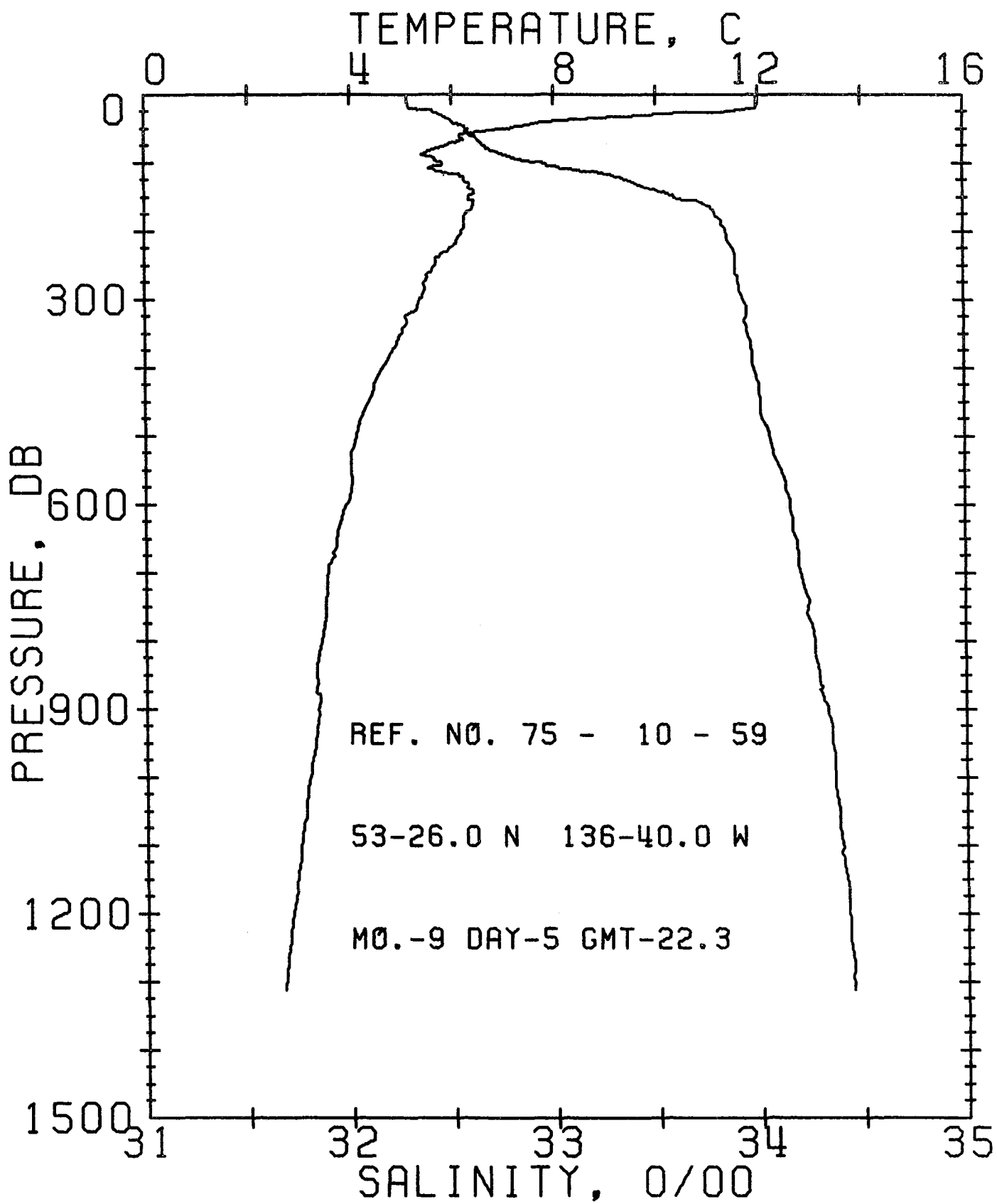
DATE 5/ 9/75

POSITION 53-17.0N, 134-40.0W

GMT 15.2

RESULTS OF STP CAST 315 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 12.37 | 32.29 | 0 | 24.44 | 349.9 | 0.0 | 0.0 | 1495. |
| 10 | 12.37 | 32.30 | 10 | 24.45 | 349.6 | 0.35 | 0.02 | 1496. |
| 20 | 12.34 | 32.31 | 20 | 24.46 | 348.6 | 0.70 | 0.07 | 1496. |
| 30 | 9.27 | 32.38 | 30 | 25.05 | 292.3 | 1.02 | 0.15 | 1485. |
| 50 | 7.14 | 32.47 | 50 | 25.44 | 255.9 | 1.56 | 0.37 | 1477. |
| 75 | 5.84 | 32.60 | 75 | 25.70 | 230.7 | 2.17 | 0.76 | 1472. |
| 100 | 5.69 | 32.88 | 99 | 25.94 | 208.5 | 2.72 | 1.25 | 1473. |
| 125 | 5.91 | 33.23 | 124 | 26.19 | 184.9 | 3.22 | 1.82 | 1474. |
| 150 | 6.00 | 33.63 | 149 | 26.50 | 156.4 | 3.64 | 2.41 | 1476. |
| 175 | 5.81 | 33.78 | 174 | 26.63 | 143.7 | 4.02 | 3.03 | 1476. |
| 200 | 5.66 | 33.84 | 199 | 26.70 | 137.5 | 4.37 | 3.70 | 1475. |
| 225 | 5.38 | 33.86 | 223 | 26.75 | 132.9 | 4.71 | 4.43 | 1475. |
| 250 | 5.20 | 33.87 | 248 | 26.78 | 130.4 | 5.03 | 5.23 | 1474. |
| 300 | 4.88 | 33.91 | 298 | 26.85 | 124.2 | 5.67 | 7.01 | 1474. |
| 400 | 4.43 | 34.00 | 397 | 26.97 | 113.4 | 6.85 | 11.21 | 1474. |
| 500 | 4.13 | 34.10 | 496 | 27.08 | 103.8 | 7.94 | 16.17 | 1474. |
| 600 | 3.94 | 34.17 | 595 | 27.16 | 97.1 | 8.94 | 21.80 | 1475. |
| 800 | 3.48 | 34.31 | 793 | 27.31 | 83.2 | 10.73 | 34.54 | 1477. |
| 1000 | 3.13 | 34.38 | 990 | 27.40 | 75.6 | 12.31 | 48.96 | 1479. |
| 1200 | 2.78 | 34.44 | 1187 | 27.48 | 68.9 | 13.76 | 65.18 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 59

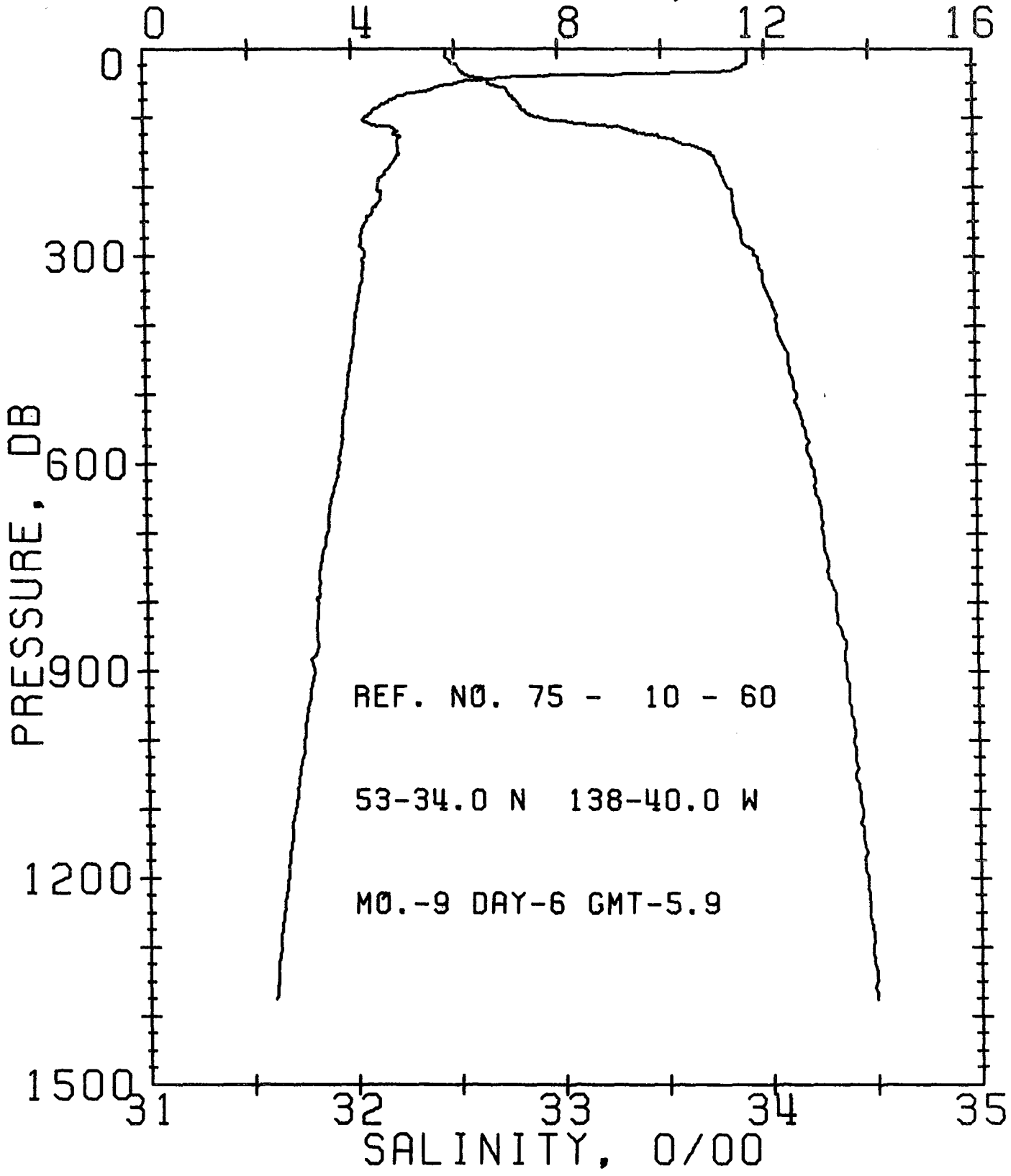
DATE 5/ 9/75

POSITION 53-26.0N, 136-40.0W GMT 22.3

RESULTS OF STP CAST 264 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.98 | 32.28 | 0 | 24.51 | 343.7 | 0.0 | 0.0 | 1494. |
| 10 | 11.98 | 32.28 | 10 | 24.51 | 344.1 | 0.34 | 0.02 | 1494. |
| 20 | 11.79 | 32.33 | 20 | 24.58 | 337.3 | 0.69 | 0.07 | 1494. |
| 30 | 9.62 | 32.45 | 30 | 25.05 | 292.5 | 1.00 | 0.15 | 1486. |
| 50 | 7.07 | 32.58 | 50 | 25.53 | 247.1 | 1.53 | 0.36 | 1477. |
| 75 | 5.85 | 32.67 | 75 | 25.76 | 225.8 | 2.12 | 0.74 | 1473. |
| 100 | 5.83 | 32.95 | 99 | 25.98 | 204.5 | 2.66 | 1.21 | 1473. |
| 125 | 6.25 | 33.36 | 124 | 26.25 | 179.3 | 3.13 | 1.76 | 1476. |
| 150 | 6.34 | 33.59 | 149 | 26.42 | 163.8 | 3.56 | 2.36 | 1477. |
| 175 | 6.24 | 33.79 | 174 | 26.59 | 148.0 | 3.94 | 2.99 | 1477. |
| 200 | 6.18 | 33.84 | 199 | 26.64 | 143.9 | 4.31 | 3.69 | 1478. |
| 225 | 5.96 | 33.88 | 223 | 26.70 | 138.6 | 4.66 | 4.45 | 1477. |
| 250 | 5.65 | 33.89 | 248 | 26.74 | 134.3 | 5.00 | 5.28 | 1476. |
| 300 | 5.36 | 33.92 | 298 | 26.80 | 129.0 | 5.66 | 7.12 | 1476. |
| 400 | 4.61 | 33.98 | 397 | 26.93 | 117.4 | 6.89 | 11.49 | 1475. |
| 500 | 4.11 | 34.05 | 496 | 27.05 | 107.0 | 8.01 | 16.62 | 1474. |
| 600 | 3.89 | 34.15 | 595 | 27.15 | 98.1 | 9.03 | 22.36 | 1475. |
| 800 | 3.42 | 34.27 | 793 | 27.29 | 85.7 | 10.87 | 35.40 | 1477. |
| 1000 | 3.16 | 34.36 | 990 | 27.38 | 77.4 | 12.49 | 50.28 | 1479. |
| 1200 | 2.83 | 34.42 | 1187 | 27.46 | 70.3 | 13.97 | 66.79 | 1481. |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY GROUP

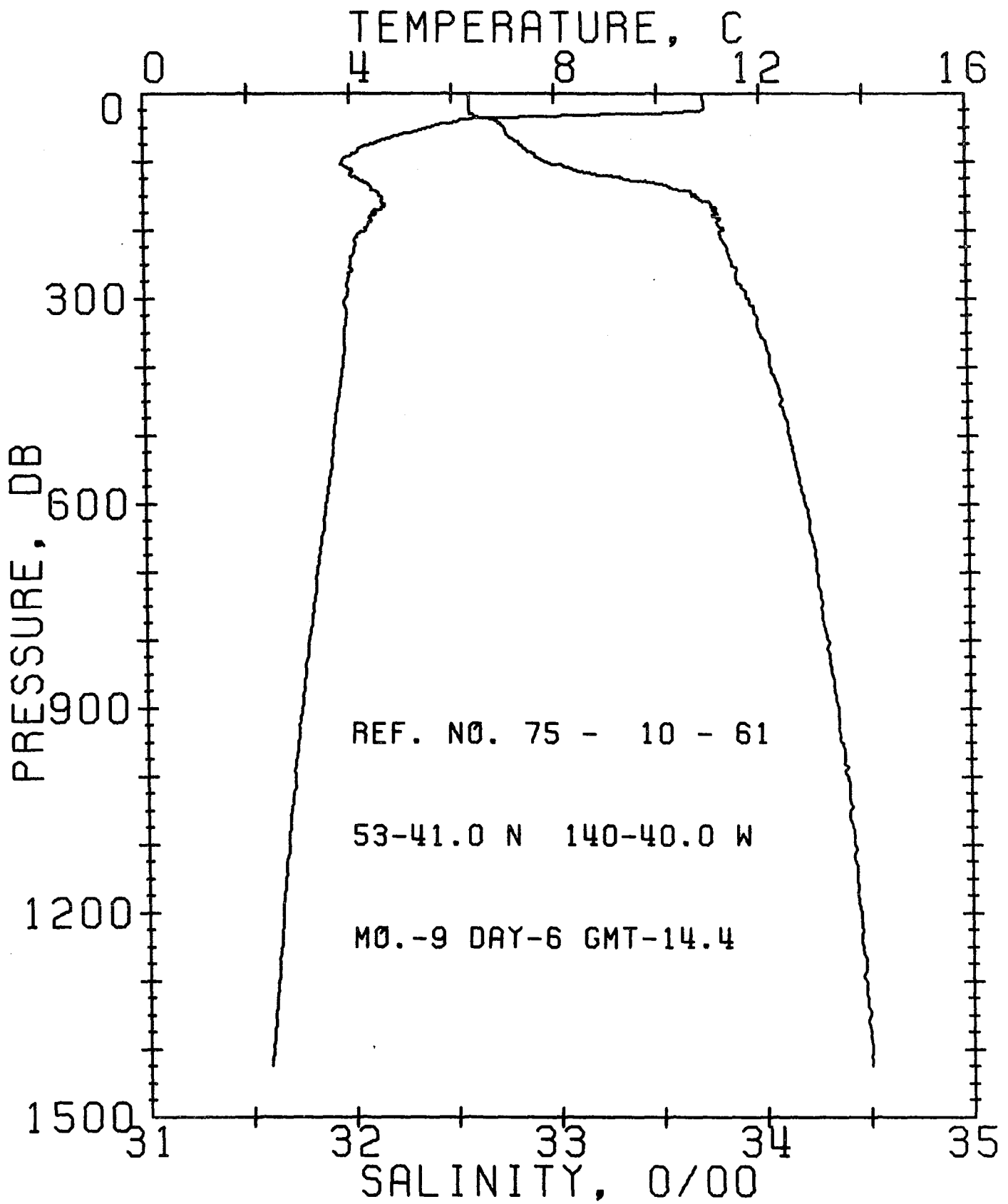
REFERENCE NO. 75-10- 60

DATE 6/ 9/75

POSITION 53-34.0N, 138-40.0W GMT 5.9

RESULTS OF STP CAST 376 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.69 | 32.46 | 0 | 24.70 | 325.3 | 0.0 | 0.0 | 1493. |
| 10 | 11.69 | 32.46 | 10 | 24.70 | 325.7 | 0.33 | 0.02 | 1493. |
| 20 | 11.68 | 32.49 | 20 | 24.73 | 323.5 | 0.65 | 0.07 | 1494. |
| 30 | 11.29 | 32.54 | 30 | 24.83 | 313.4 | 0.97 | 0.15 | 1492. |
| 50 | 5.98 | 32.67 | 50 | 25.74 | 227.1 | 1.49 | 0.36 | 1473. |
| 75 | 4.73 | 32.81 | 75 | 26.00 | 202.5 | 2.02 | 0.69 | 1468. |
| 100 | 4.26 | 32.93 | 99 | 26.14 | 189.2 | 2.52 | 1.13 | 1467. |
| 125 | 4.89 | 33.49 | 124 | 26.52 | 154.0 | 2.95 | 1.62 | 1471. |
| 150 | 4.93 | 33.73 | 149 | 26.71 | 136.3 | 3.31 | 2.13 | 1471. |
| 175 | 4.68 | 33.78 | 174 | 26.77 | 130.4 | 3.64 | 2.68 | 1471. |
| 200 | 4.50 | 33.82 | 199 | 26.82 | 125.8 | 3.96 | 3.29 | 1471. |
| 225 | 4.48 | 33.85 | 223 | 26.85 | 123.6 | 4.27 | 3.97 | 1471. |
| 250 | 4.26 | 33.87 | 248 | 26.88 | 120.2 | 4.58 | 4.71 | 1470. |
| 300 | 4.23 | 33.96 | 298 | 26.96 | 113.3 | 5.17 | 6.35 | 1471. |
| 400 | 4.03 | 34.05 | 397 | 27.05 | 105.4 | 6.26 | 10.24 | 1472. |
| 500 | 3.87 | 34.14 | 496 | 27.14 | 97.7 | 7.27 | 14.89 | 1473. |
| 600 | 3.72 | 34.21 | 595 | 27.21 | 91.8 | 8.22 | 20.19 | 1474. |
| 800 | 3.28 | 34.32 | 792 | 27.34 | 80.3 | 9.94 | 32.38 | 1476. |
| 1000 | 2.99 | 34.40 | 990 | 27.43 | 72.4 | 11.46 | 46.31 | 1478. |
| 1200 | 2.66 | 34.46 | 1187 | 27.51 | 65.7 | 12.83 | 61.73 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

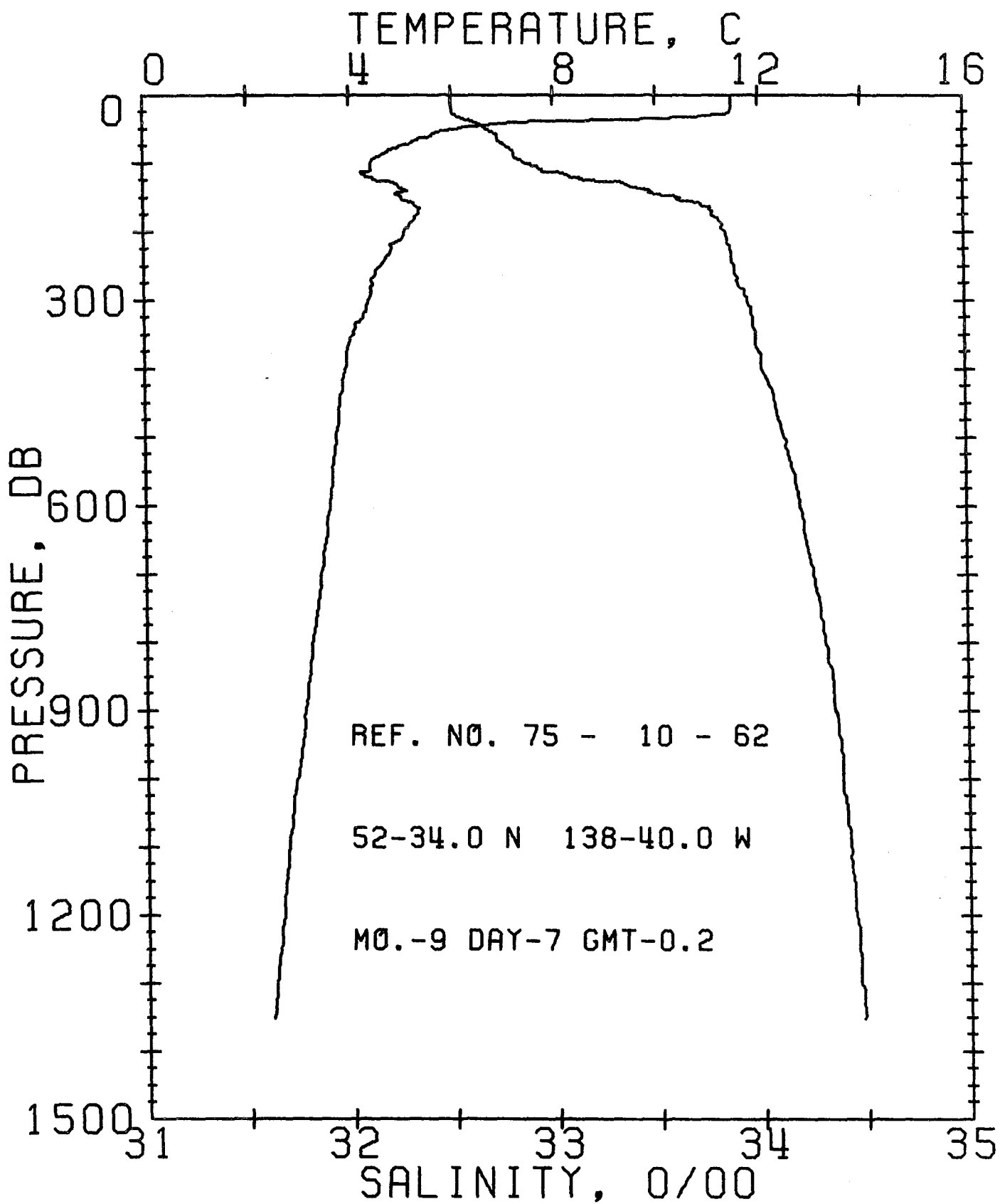
REFERENCE NO. 75-10- 61

DATE 6/ 9/75

POSITION 53-41.0N, 140-40.0W GMT 14.4

RESULTS OF STP CAST 350 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 10.91 | 32.59 | 0 | 24.94 | 302.3 | 0.0 | 0.0 | 1491. |
| 10 | 10.92 | 32.59 | 10 | 24.94 | 302.9 | 0.30 | 0.02 | 1491. |
| 20 | 10.92 | 32.59 | 20 | 24.94 | 303.1 | 0.61 | 0.06 | 1491. |
| 30 | 9.47 | 32.60 | 30 | 25.19 | 279.3 | 0.90 | 0.14 | 1486. |
| 50 | 5.60 | 32.75 | 50 | 25.85 | 216.6 | 1.37 | 0.33 | 1471. |
| 75 | 4.40 | 32.83 | 75 | 26.05 | 197.7 | 1.89 | 0.65 | 1467. |
| 100 | 3.85 | 32.96 | 99 | 26.21 | 183.0 | 2.36 | 1.08 | 1465. |
| 125 | 4.18 | 33.35 | 124 | 26.48 | 157.1 | 2.79 | 1.57 | 1467. |
| 150 | 4.61 | 33.69 | 149 | 26.71 | 136.0 | 3.15 | 2.07 | 1470. |
| 175 | 4.52 | 33.80 | 174 | 26.80 | 127.3 | 3.48 | 2.61 | 1470. |
| 200 | 4.31 | 33.82 | 199 | 26.84 | 123.8 | 3.79 | 3.21 | 1470. |
| 225 | 4.08 | 33.84 | 223 | 26.88 | 120.2 | 4.09 | 3.87 | 1469. |
| 250 | 3.98 | 33.86 | 248 | 26.91 | 117.9 | 4.39 | 4.59 | 1469. |
| 300 | 3.90 | 33.94 | 298 | 26.98 | 111.4 | 4.97 | 6.20 | 1470. |
| 400 | 3.82 | 34.04 | 397 | 27.07 | 103.7 | 6.04 | 10.01 | 1471. |
| 500 | 3.64 | 34.13 | 496 | 27.16 | 95.8 | 7.03 | 14.55 | 1472. |
| 600 | 3.47 | 34.21 | 595 | 27.23 | 89.3 | 7.96 | 19.75 | 1473. |
| 800 | 3.13 | 34.31 | 792 | 27.35 | 79.3 | 9.64 | 31.73 | 1475. |
| 1000 | 2.86 | 34.40 | 990 | 27.44 | 71.3 | 11.15 | 45.50 | 1478. |
| 1200 | 2.59 | 34.46 | 1187 | 27.51 | 64.9 | 12.51 | 60.72 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

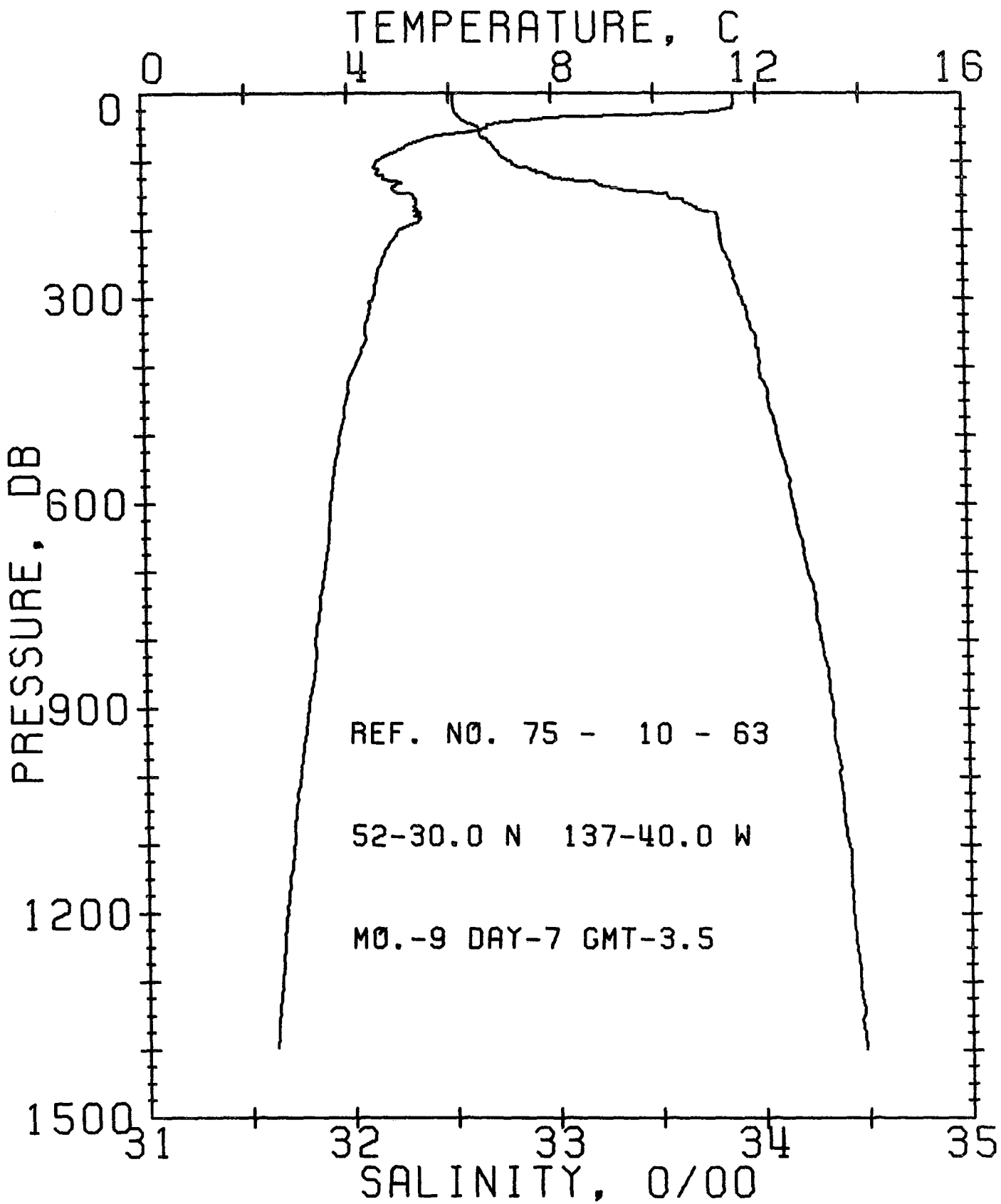
REFERENCE NO. 75-10- 62

DATE 7/ 9/75

POSITION 52-34.0N, 138-40.0W GMT 0.2

RESULTS OF STP CAST 330 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.48 | 32.50 | 0 | 24.77 | 318.7 | 0.0 | 0.0 | 1493. |
| 10 | 11.48 | 32.50 | 10 | 24.77 | 319.1 | 0.32 | 0.02 | 1493. |
| 20 | 11.48 | 32.51 | 20 | 24.78 | 318.6 | 0.64 | 0.07 | 1493. |
| 30 | 11.01 | 32.53 | 30 | 24.88 | 309.3 | 0.95 | 0.15 | 1491. |
| 50 | 5.99 | 32.68 | 50 | 25.75 | 226.4 | 1.47 | 0.35 | 1473. |
| 75 | 4.99 | 32.77 | 75 | 25.94 | 208.4 | 2.01 | 0.70 | 1469. |
| 100 | 4.42 | 32.87 | 99 | 26.08 | 195.4 | 2.51 | 1.14 | 1467. |
| 125 | 4.58 | 33.25 | 124 | 26.36 | 168.8 | 2.97 | 1.67 | 1469. |
| 150 | 5.04 | 33.61 | 149 | 26.59 | 146.9 | 3.37 | 2.22 | 1472. |
| 175 | 5.30 | 33.78 | 174 | 26.70 | 137.5 | 3.72 | 2.80 | 1473. |
| 200 | 5.07 | 33.84 | 199 | 26.77 | 130.6 | 4.05 | 3.44 | 1473. |
| 225 | 4.81 | 33.86 | 223 | 26.82 | 126.5 | 4.37 | 4.14 | 1472. |
| 250 | 4.60 | 33.88 | 248 | 26.86 | 122.9 | 4.69 | 4.89 | 1472. |
| 300 | 4.35 | 33.94 | 298 | 26.93 | 116.1 | 5.28 | 6.57 | 1472. |
| 400 | 3.89 | 34.01 | 397 | 27.04 | 106.9 | 6.39 | 10.51 | 1472. |
| 500 | 3.71 | 34.12 | 496 | 27.14 | 97.7 | 7.41 | 15.17 | 1473. |
| 600 | 3.56 | 34.19 | 595 | 27.21 | 91.6 | 8.35 | 20.45 | 1474. |
| 800 | 3.21 | 34.31 | 793 | 27.34 | 80.4 | 10.07 | 32.65 | 1476. |
| 1000 | 2.90 | 34.39 | 990 | 27.43 | 72.3 | 11.59 | 46.56 | 1478. |
| 1200 | 2.63 | 34.45 | 1187 | 27.50 | 66.0 | 12.97 | 62.00 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 63

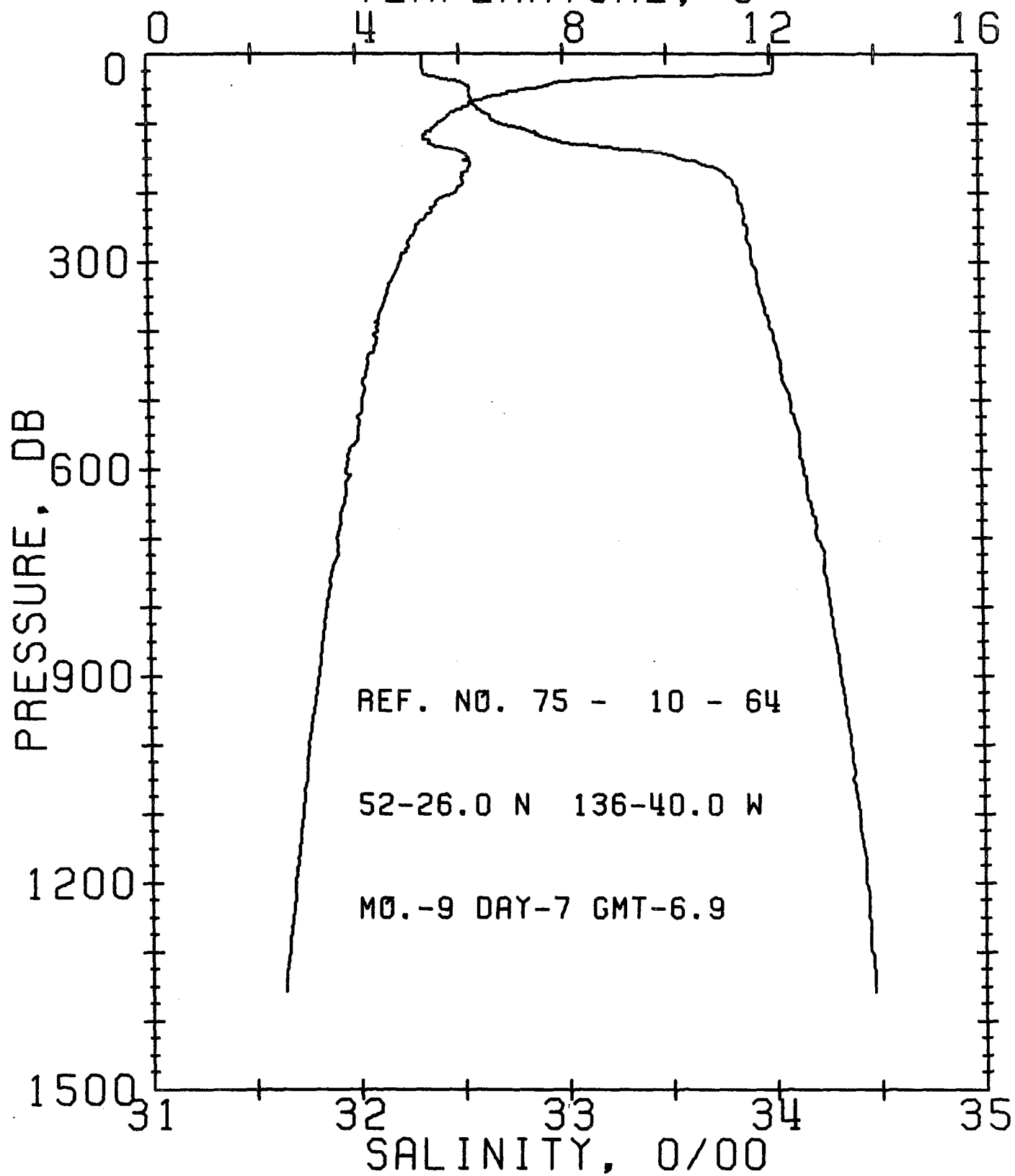
DATE 7/ 9/75

POSITION 52-30.0N, 137-40.0W GMT 3.5

RESULTS OF STP CAST 272 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 11.57 | 32.52 | 0 | 24.77 | 318.8 | 0.0 | 0.0 | 1493. |
| 10 | 11.57 | 32.52 | 10 | 24.77 | 319.2 | 0.32 | 0.02 | 1493. |
| 20 | 11.55 | 32.52 | 20 | 24.77 | 319.0 | 0.64 | 0.07 | 1493. |
| 30 | 10.24 | 32.54 | 30 | 25.02 | 295.9 | 0.95 | 0.14 | 1489. |
| 50 | 6.76 | 32.65 | 50 | 25.63 | 237.9 | 1.46 | 0.35 | 1476. |
| 75 | 5.21 | 32.71 | 75 | 25.86 | 215.6 | 2.02 | 0.71 | 1470. |
| 100 | 4.59 | 32.79 | 99 | 26.00 | 202.8 | 2.55 | 1.17 | 1468. |
| 125 | 4.70 | 33.07 | 124 | 26.20 | 183.5 | 3.03 | 1.73 | 1469. |
| 150 | 5.24 | 33.58 | 149 | 26.55 | 151.2 | 3.45 | 2.31 | 1473. |
| 175 | 5.44 | 33.80 | 174 | 26.70 | 137.6 | 3.81 | 2.91 | 1474. |
| 200 | 5.01 | 33.83 | 199 | 26.77 | 130.7 | 4.15 | 3.55 | 1473. |
| 225 | 4.78 | 33.83 | 223 | 26.80 | 128.4 | 4.47 | 4.25 | 1472. |
| 250 | 4.62 | 33.87 | 248 | 26.85 | 123.9 | 4.79 | 5.02 | 1472. |
| 300 | 4.47 | 33.92 | 298 | 26.90 | 119.0 | 5.40 | 6.72 | 1472. |
| 400 | 4.09 | 34.00 | 397 | 27.01 | 109.8 | 6.53 | 10.77 | 1472. |
| 500 | 3.80 | 34.09 | 496 | 27.10 | 101.0 | 7.58 | 15.58 | 1473. |
| 600 | 3.61 | 34.16 | 595 | 27.18 | 94.4 | 8.56 | 21.03 | 1474. |
| 800 | 3.28 | 34.29 | 793 | 27.32 | 82.6 | 10.32 | 33.59 | 1476. |
| 1000 | 2.97 | 34.37 | 990 | 27.41 | 74.2 | 11.89 | 47.91 | 1478. |
| 1200 | 2.69 | 34.43 | 1188 | 27.48 | 68.1 | 13.30 | 63.76 | 1480. |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 64

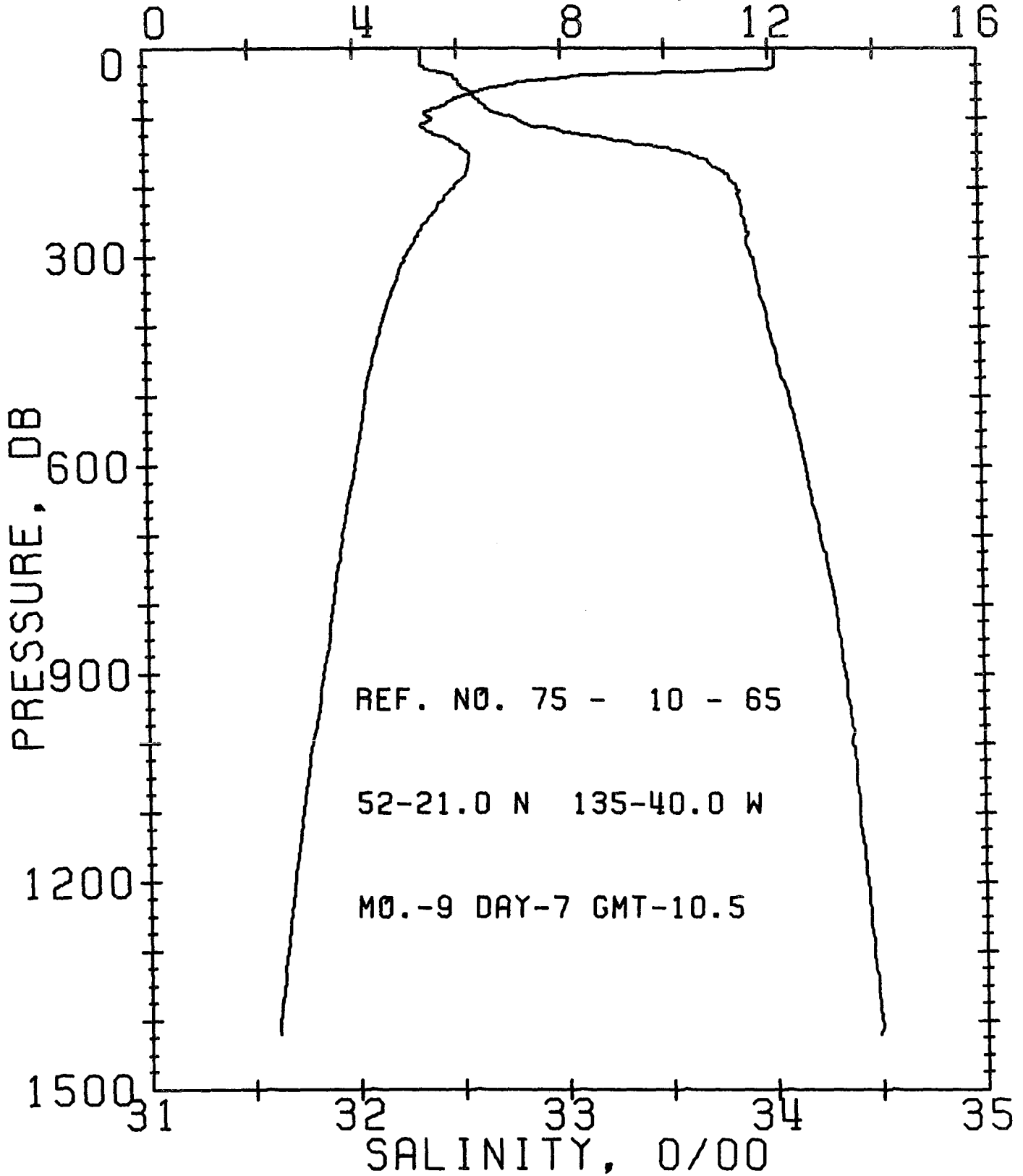
DATE 7/ 9/75

POSITION 52-26.0N, 136-40.0W GMT 6.9

RESULTS OF STP CAST 296 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 12.08 | 32.32 | 0 | 24.52 | 342.5 | 0.0 | 0.0 | 1494. |
| 10 | 12.08 | 32.32 | 10 | 24.52 | 342.9 | 0.34 | 0.02 | 1495. |
| 20 | 12.07 | 32.32 | 20 | 24.52 | 342.9 | 0.69 | 0.07 | 1495. |
| 30 | 11.74 | 32.34 | 30 | 24.60 | 335.9 | 1.03 | 0.16 | 1494. |
| 50 | 7.29 | 32.56 | 50 | 25.48 | 251.5 | 1.57 | 0.38 | 1478. |
| 75 | 6.16 | 32.58 | 75 | 25.65 | 236.2 | 2.18 | 0.76 | 1474. |
| 100 | 5.58 | 32.70 | 99 | 25.82 | 220.4 | 2.75 | 1.27 | 1472. |
| 125 | 5.41 | 32.97 | 124 | 26.05 | 198.5 | 3.27 | 1.86 | 1472. |
| 150 | 6.19 | 33.56 | 149 | 26.42 | 164.2 | 3.71 | 2.49 | 1476. |
| 175 | 6.08 | 33.79 | 174 | 26.61 | 146.0 | 4.10 | 3.12 | 1477. |
| 200 | 5.88 | 33.84 | 199 | 26.68 | 140.2 | 4.46 | 3.81 | 1476. |
| 225 | 5.46 | 33.87 | 223 | 26.75 | 133.2 | 4.80 | 4.54 | 1475. |
| 250 | 5.15 | 33.89 | 248 | 26.80 | 128.3 | 5.12 | 5.33 | 1474. |
| 300 | 4.84 | 33.91 | 298 | 26.85 | 123.9 | 5.75 | 7.10 | 1474. |
| 400 | 4.39 | 34.00 | 397 | 26.98 | 113.0 | 6.94 | 11.31 | 1474. |
| 500 | 4.09 | 34.08 | 496 | 27.07 | 104.3 | 8.02 | 16.28 | 1474. |
| 600 | 3.77 | 34.15 | 595 | 27.16 | 97.0 | 9.03 | 21.91 | 1475. |
| 800 | 3.38 | 34.27 | 793 | 27.30 | 84.8 | 10.85 | 34.85 | 1476. |
| 1000 | 3.03 | 34.36 | 990 | 27.40 | 75.9 | 12.45 | 49.54 | 1478. |
| 1200 | 2.76 | 34.43 | 1188 | 27.48 | 68.9 | 13.90 | 65.72 | 1480. |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY GROUP

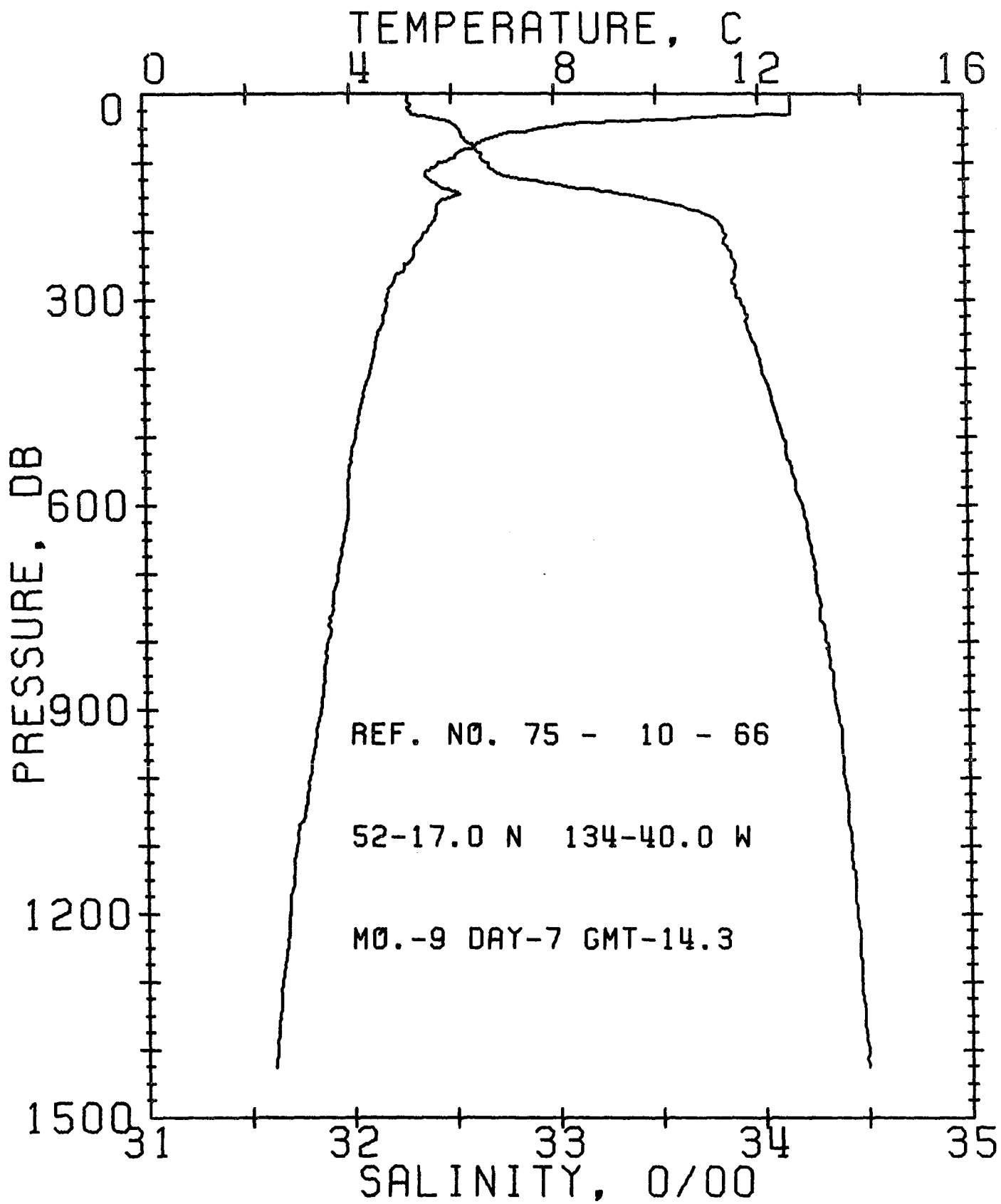
REFERENCE NO. 75-10- 65

DATE 7/ 9/75

POSITION 52-21.0N, 135-40.0W GMT 10.5

RESULTS OF STP CAST 247 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 12.13 | 32.33 | 0 | 24.52 | 342.7 | 0.0 | 0.0 | 1495. |
| 10 | 12.13 | 32.33 | 10 | 24.52 | 343.1 | 0.34 | 0.02 | 1495. |
| 20 | 12.13 | 32.33 | 20 | 24.52 | 343.3 | 0.69 | 0.07 | 1495. |
| 30 | 11.62 | 32.36 | 30 | 24.64 | 332.3 | 1.03 | 0.16 | 1493. |
| 50 | 7.14 | 32.51 | 50 | 25.47 | 253.3 | 1.58 | 0.38 | 1477. |
| 75 | 5.88 | 32.61 | 75 | 25.71 | 230.6 | 2.18 | 0.76 | 1473. |
| 100 | 5.51 | 32.79 | 99 | 25.89 | 213.1 | 2.74 | 1.26 | 1472. |
| 125 | 5.67 | 33.16 | 124 | 26.17 | 187.5 | 3.25 | 1.83 | 1473. |
| 150 | 6.22 | 33.60 | 149 | 26.44 | 161.6 | 3.68 | 2.44 | 1477. |
| 175 | 6.19 | 33.77 | 174 | 26.59 | 148.6 | 4.07 | 3.08 | 1477. |
| 200 | 5.92 | 33.85 | 199 | 26.68 | 139.9 | 4.43 | 3.77 | 1477. |
| 225 | 5.62 | 33.86 | 223 | 26.73 | 135.4 | 4.77 | 4.51 | 1476. |
| 250 | 5.39 | 33.88 | 248 | 26.77 | 131.9 | 5.10 | 5.32 | 1475. |
| 300 | 4.96 | 33.92 | 298 | 26.85 | 124.4 | 5.75 | 7.12 | 1474. |
| 400 | 4.48 | 33.99 | 397 | 26.96 | 114.8 | 6.94 | 11.38 | 1474. |
| 500 | 4.19 | 34.08 | 496 | 27.06 | 105.4 | 8.05 | 16.43 | 1475. |
| 600 | 3.98 | 34.16 | 595 | 27.14 | 98.4 | 9.06 | 22.13 | 1475. |
| 800 | 3.54 | 34.30 | 793 | 27.30 | 84.8 | 10.89 | 35.13 | 1477. |
| 1000 | 3.12 | 34.37 | 990 | 27.40 | 76.3 | 12.50 | 49.81 | 1479. |
| 1200 | 2.76 | 34.44 | 1188 | 27.48 | 68.6 | 13.94 | 65.99 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

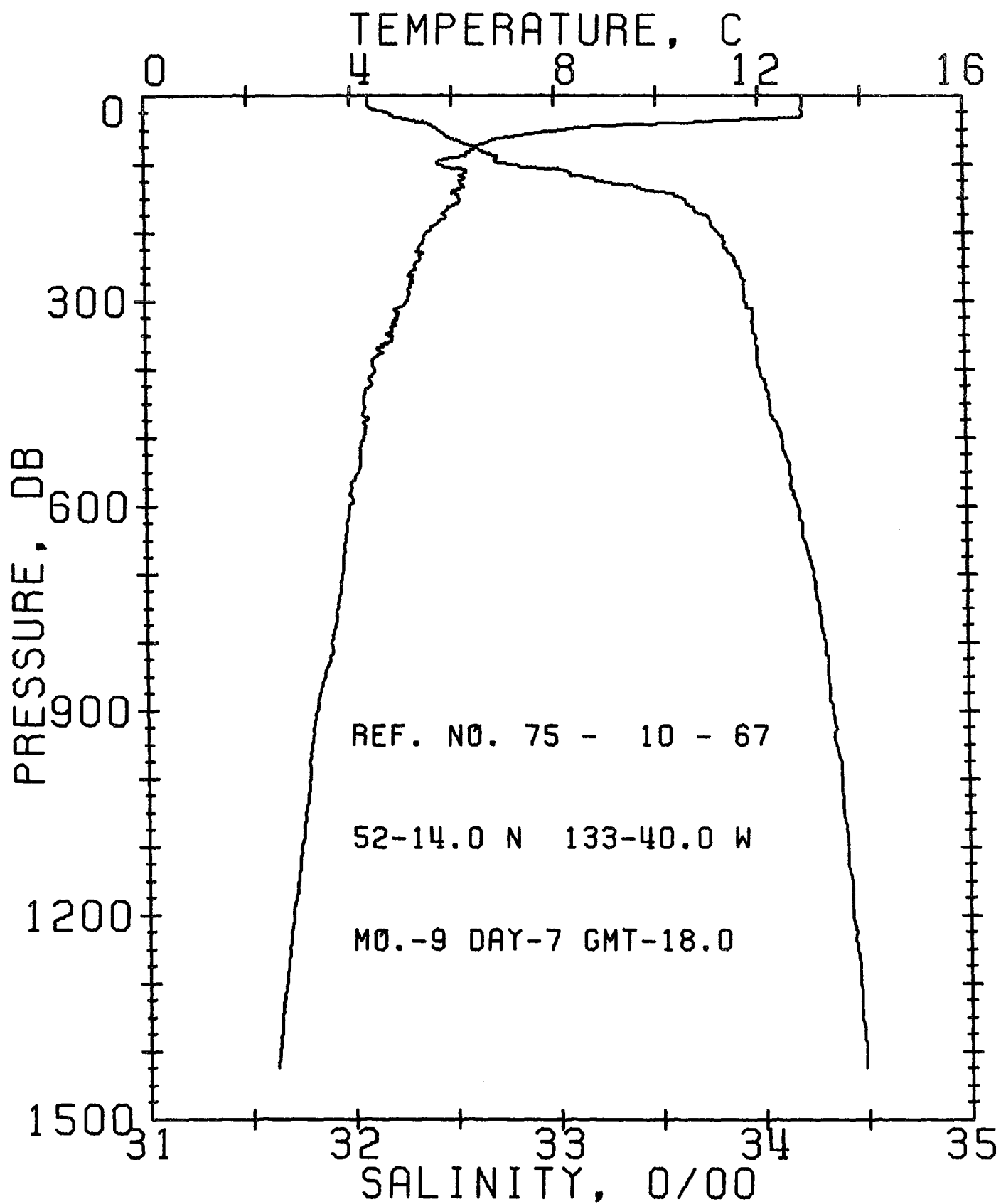
REFERENCE NO. 75-10- 66

DATE 7/ 9/75

POSITION 52-17.0N, 134-40.0W GMT 14.3

RESULTS OF STP CAST 297 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 12.63 | 32.29 | 0 | 24.39 | 354.6 | 0.0 | 0.0 | 1496. |
| 10 | 12.64 | 32.29 | 10 | 24.39 | 355.3 | 0.36 | 0.02 | 1496. |
| 20 | 12.64 | 32.30 | 20 | 24.40 | 354.8 | 0.71 | 0.07 | 1497. |
| 30 | 12.31 | 32.31 | 30 | 24.47 | 348.3 | 1.06 | 0.16 | 1496. |
| 50 | 7.82 | 32.53 | 50 | 25.39 | 260.9 | 1.65 | 0.40 | 1480. |
| 75 | 6.47 | 32.60 | 75 | 25.63 | 238.1 | 2.26 | 0.79 | 1475. |
| 100 | 5.77 | 32.67 | 99 | 25.77 | 224.8 | 2.84 | 1.31 | 1473. |
| 125 | 5.58 | 32.89 | 124 | 25.96 | 206.7 | 3.39 | 1.93 | 1473. |
| 150 | 6.03 | 33.43 | 149 | 26.33 | 171.9 | 3.87 | 2.60 | 1476. |
| 175 | 5.68 | 33.74 | 174 | 26.62 | 145.0 | 4.26 | 3.24 | 1475. |
| 200 | 5.50 | 33.83 | 199 | 26.71 | 136.6 | 4.61 | 3.91 | 1475. |
| 225 | 5.23 | 33.85 | 223 | 26.76 | 132.0 | 4.94 | 4.63 | 1474. |
| 250 | 5.12 | 33.88 | 248 | 26.80 | 128.7 | 5.27 | 5.42 | 1474. |
| 300 | 4.70 | 33.91 | 298 | 26.87 | 122.2 | 5.90 | 7.18 | 1473. |
| 400 | 4.38 | 34.01 | 397 | 26.98 | 112.5 | 7.07 | 11.37 | 1474. |
| 500 | 4.08 | 34.11 | 496 | 27.09 | 102.4 | 8.14 | 16.27 | 1474. |
| 600 | 3.91 | 34.20 | 595 | 27.18 | 94.6 | 9.13 | 21.79 | 1475. |
| 800 | 3.51 | 34.31 | 793 | 27.32 | 83.2 | 10.91 | 34.46 | 1477. |
| 1000 | 3.15 | 34.39 | 990 | 27.41 | 74.8 | 12.49 | 48.89 | 1479. |
| 1200 | 2.73 | 34.45 | 1188 | 27.49 | 67.2 | 13.90 | 64.69 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 67

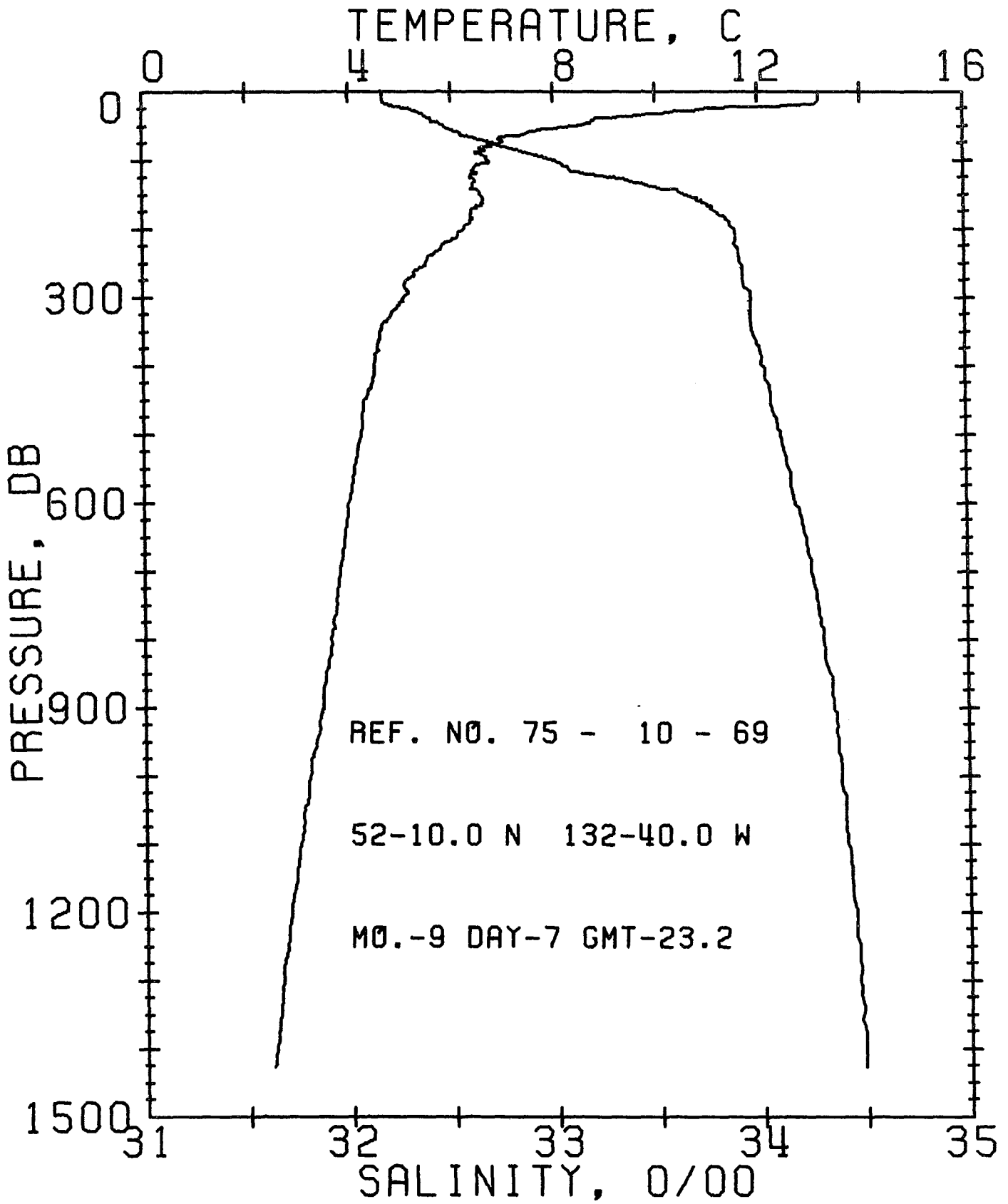
DATE 7/ 9/75

POSITION 52-14.0N, 133-40.0W

GMT 18.0

RESULTS OF STP CAST 356 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|--------|
| 0 | 12.88 | 32.09 | 0 | 24.19 | 374.0 | 0.0 | 0.0 | 1497.0 |
| 10 | 12.87 | 32.09 | 10 | 24.19 | 374.2 | 0.37 | 0.02 | 1497.0 |
| 20 | 12.87 | 32.13 | 20 | 24.22 | 371.7 | 0.75 | 0.08 | 1497.0 |
| 30 | 12.83 | 32.22 | 30 | 24.30 | 364.5 | 1.12 | 0.17 | 1497.0 |
| 50 | 8.07 | 32.44 | 50 | 25.28 | 270.6 | 1.74 | 0.42 | 1481.0 |
| 75 | 6.50 | 32.63 | 75 | 25.64 | 236.6 | 2.37 | 0.82 | 1475.0 |
| 100 | 5.74 | 32.81 | 99 | 25.88 | 214.3 | 2.93 | 1.32 | 1473.0 |
| 125 | 6.16 | 33.26 | 124 | 26.18 | 185.9 | 3.44 | 1.90 | 1475.0 |
| 150 | 6.15 | 33.63 | 149 | 26.48 | 158.5 | 3.86 | 2.49 | 1476.0 |
| 175 | 5.87 | 33.74 | 174 | 26.60 | 147.0 | 4.24 | 3.12 | 1476.0 |
| 200 | 5.48 | 33.81 | 199 | 26.70 | 137.6 | 4.60 | 3.80 | 1475.0 |
| 225 | 5.31 | 33.84 | 223 | 26.75 | 133.6 | 4.94 | 4.54 | 1474.0 |
| 250 | 5.24 | 33.89 | 248 | 26.79 | 129.4 | 5.27 | 5.33 | 1475.0 |
| 300 | 5.11 | 33.93 | 298 | 26.84 | 125.4 | 5.90 | 7.11 | 1475.0 |
| 400 | 4.46 | 34.00 | 397 | 26.97 | 113.9 | 7.08 | 11.32 | 1474.0 |
| 500 | 4.23 | 34.10 | 496 | 27.07 | 104.5 | 8.17 | 16.29 | 1475.0 |
| 600 | 3.94 | 34.18 | 595 | 27.16 | 96.4 | 9.17 | 21.92 | 1475.0 |
| 800 | 3.58 | 34.31 | 793 | 27.30 | 84.5 | 10.98 | 34.79 | 1477.0 |
| 1000 | 3.14 | 34.38 | 990 | 27.40 | 75.7 | 12.58 | 49.38 | 1479.0 |
| 1200 | 2.80 | 34.43 | 1188 | 27.47 | 69.4 | 14.03 | 65.59 | 1481.0 |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 69

DATE 7/ 9/75

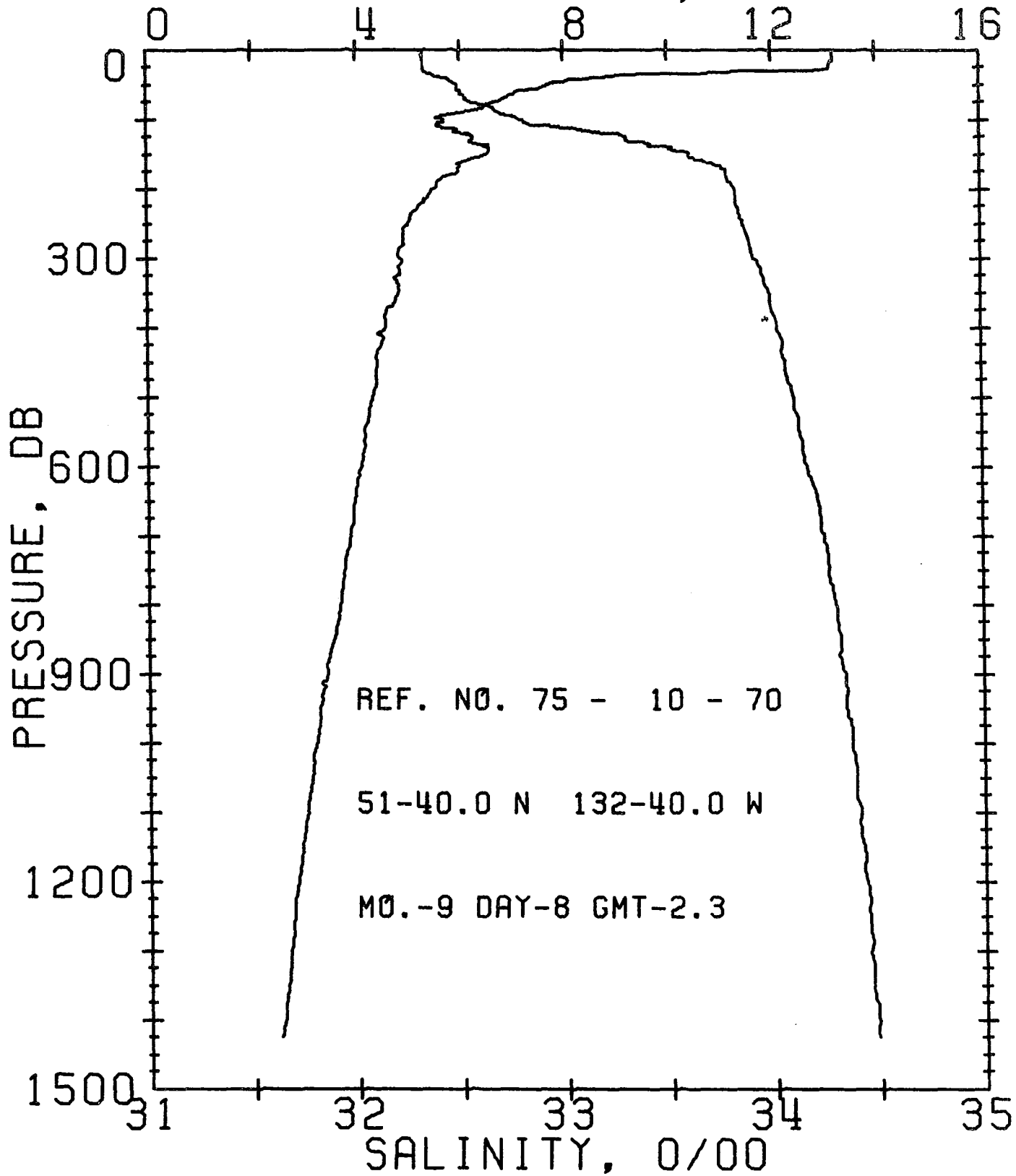
POSITION 52-10.0N, 132-40.0W

GMT 23.2

RESULTS OF STP CAST 378 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 13.19 | 32.16 | 0 | 24.18 | 374.6 | 0.0 | 0.0 | 1498. |
| 10 | 13.19 | 32.17 | 10 | 24.19 | 374.3 | 0.37 | 0.02 | 1498. |
| 20 | 12.62 | 32.21 | 20 | 24.33 | 361.0 | 0.75 | 0.08 | 1496. |
| 30 | 10.33 | 32.34 | 30 | 24.85 | 312.1 | 1.08 | 0.16 | 1489. |
| 50 | 8.40 | 32.47 | 50 | 25.25 | 273.5 | 1.65 | 0.39 | 1482. |
| 75 | 6.91 | 32.71 | 75 | 25.65 | 235.8 | 2.28 | 0.79 | 1477. |
| 100 | 6.74 | 33.00 | 99 | 25.91 | 212.1 | 2.83 | 1.28 | 1477. |
| 125 | 6.37 | 33.33 | 124 | 26.21 | 183.3 | 3.34 | 1.86 | 1476. |
| 150 | 6.56 | 33.65 | 149 | 26.44 | 162.2 | 3.77 | 2.46 | 1478. |
| 175 | 6.40 | 33.79 | 174 | 26.57 | 149.6 | 4.16 | 3.11 | 1478. |
| 200 | 6.23 | 33.88 | 199 | 26.67 | 141.3 | 4.52 | 3.80 | 1478. |
| 225 | 5.81 | 33.89 | 223 | 26.73 | 135.8 | 4.87 | 4.55 | 1477. |
| 250 | 5.49 | 33.91 | 248 | 26.78 | 130.6 | 5.20 | 5.35 | 1476. |
| 300 | 5.08 | 33.96 | 298 | 26.87 | 122.9 | 5.83 | 7.12 | 1475. |
| 400 | 4.49 | 34.02 | 397 | 26.98 | 112.7 | 7.01 | 11.30 | 1474. |
| 500 | 4.21 | 34.10 | 496 | 27.07 | 104.5 | 8.09 | 16.27 | 1475. |
| 600 | 3.96 | 34.17 | 595 | 27.16 | 97.4 | 9.10 | 21.92 | 1475. |
| 800 | 3.61 | 34.30 | 793 | 27.30 | 85.2 | 10.91 | 34.83 | 1477. |
| 1000 | 3.18 | 34.38 | 990 | 27.40 | 76.1 | 12.52 | 49.52 | 1479. |
| 1200 | 2.79 | 34.45 | 1188 | 27.49 | 67.9 | 13.96 | 65.66 | 1481. |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY GROUP

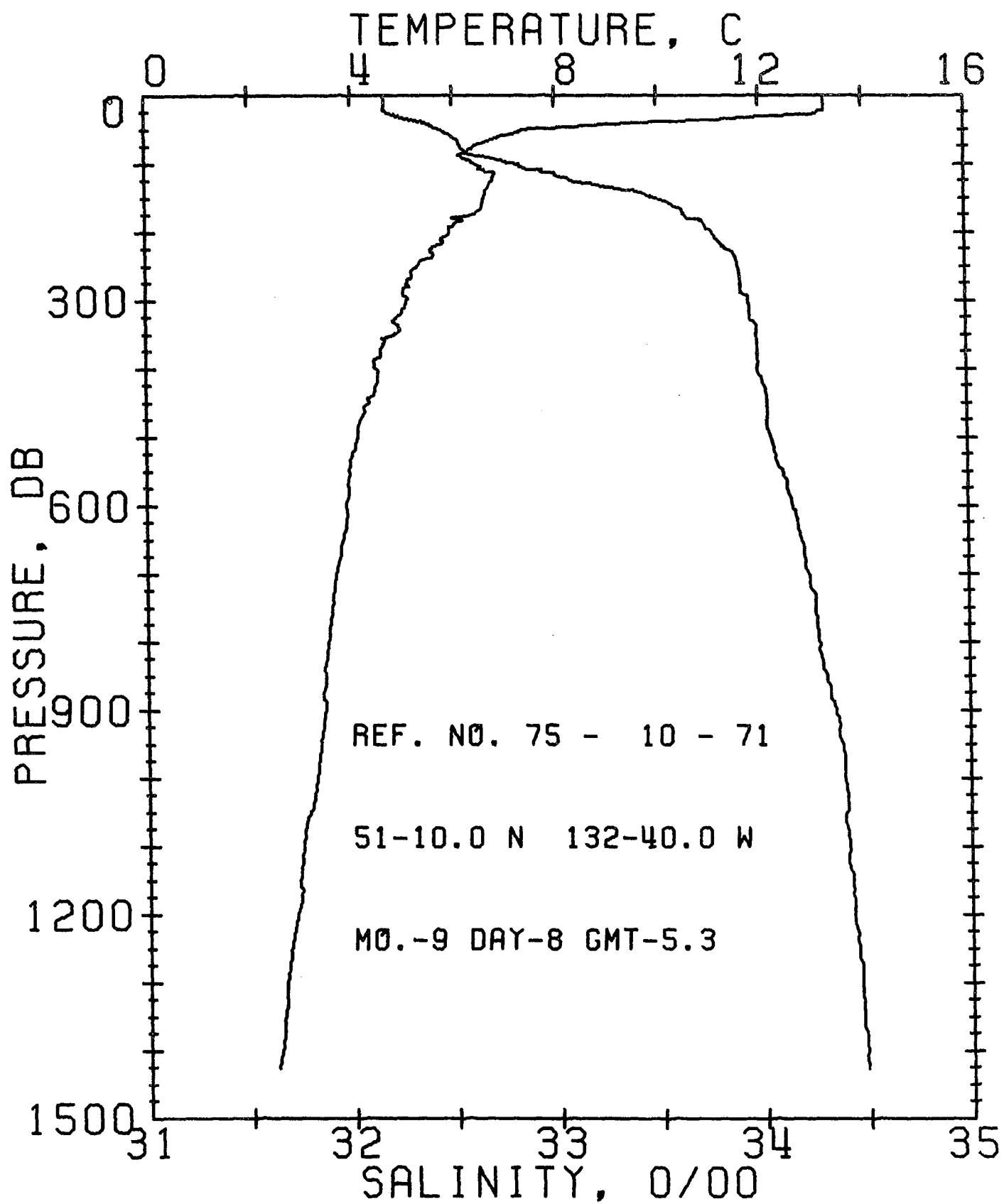
REFERENCE NO. 75-10- 70

DATE 8/ 9/75

POSITION 51-40.0N, 132-40.0W GMT 2.3

RESULTS OF STP CAST 360 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 13.21 | 32.32 | 0 | 24.30 | 363.2 | 0.0 | 0.0 | 1498. |
| 10 | 13.21 | 32.32 | 10 | 24.30 | 363.6 | 0.36 | 0.02 | 1498. |
| 20 | 13.13 | 32.32 | 20 | 24.32 | 362.5 | 0.73 | 0.07 | 1498. |
| 30 | 11.44 | 32.33 | 30 | 24.64 | 331.4 | 1.09 | 0.17 | 1493. |
| 50 | 7.65 | 32.49 | 50 | 25.38 | 261.6 | 1.66 | 0.40 | 1479. |
| 75 | 6.64 | 32.55 | 75 | 25.57 | 243.5 | 2.29 | 0.80 | 1476. |
| 100 | 5.68 | 32.79 | 99 | 25.88 | 214.7 | 2.86 | 1.30 | 1473. |
| 125 | 6.24 | 33.30 | 124 | 26.20 | 184.0 | 3.35 | 1.87 | 1476. |
| 150 | 6.51 | 33.60 | 149 | 26.41 | 165.2 | 3.79 | 2.48 | 1478. |
| 175 | 5.95 | 33.78 | 174 | 26.62 | 145.1 | 4.17 | 3.12 | 1476. |
| 200 | 5.49 | 33.82 | 199 | 26.71 | 136.9 | 4.52 | 3.79 | 1475. |
| 225 | 5.20 | 33.83 | 223 | 26.75 | 132.7 | 4.86 | 4.51 | 1474. |
| 250 | 4.98 | 33.85 | 248 | 26.79 | 129.5 | 5.19 | 5.31 | 1473. |
| 300 | 4.82 | 33.91 | 298 | 26.86 | 123.6 | 5.82 | 7.07 | 1474. |
| 400 | 4.54 | 34.02 | 397 | 26.97 | 113.3 | 7.00 | 11.26 | 1474. |
| 500 | 4.30 | 34.10 | 496 | 27.06 | 105.6 | 8.09 | 16.27 | 1475. |
| 600 | 4.06 | 34.16 | 595 | 27.14 | 99.3 | 9.11 | 22.01 | 1476. |
| 800 | 3.66 | 34.30 | 793 | 27.29 | 86.2 | 10.95 | 35.10 | 1478. |
| 1000 | 3.17 | 34.37 | 990 | 27.39 | 76.8 | 12.58 | 49.98 | 1479. |
| 1200 | 2.81 | 34.43 | 1188 | 27.48 | 69.2 | 14.04 | 66.33 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

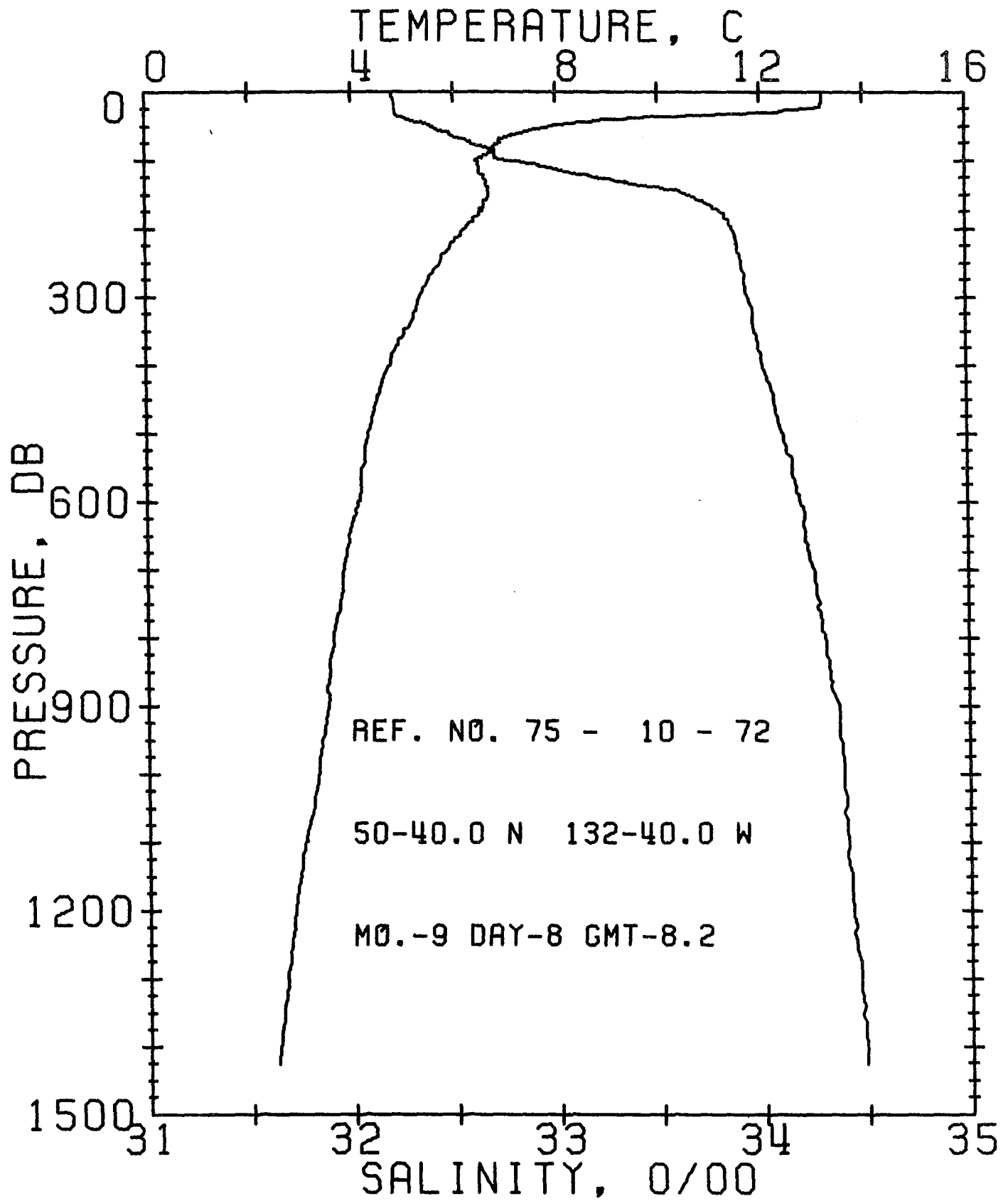
REFERENCE NO. 75-10- 71

DATE 8/ 9/75

POSITION 51-10.0N, 132-40.0W GMT 5.3

RESULTS OF STP CAST 362 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 13.28 | 32.16 | 0 | 24.16 | 376.3 | 0.0 | 0.0 | 1498. |
| 10 | 13.27 | 32.17 | 10 | 24.17 | 375.8 | 0.38 | 0.02 | 1498. |
| 20 | 13.20 | 32.17 | 20 | 24.19 | 374.8 | 0.75 | 0.08 | 1498. |
| 30 | 12.09 | 32.23 | 30 | 24.45 | 350.2 | 1.12 | 0.17 | 1495. |
| 50 | 7.40 | 32.45 | 50 | 25.38 | 261.2 | 1.72 | 0.41 | 1478. |
| 75 | 6.40 | 32.54 | 75 | 25.59 | 242.0 | 2.35 | 0.81 | 1475. |
| 100 | 6.43 | 32.82 | 99 | 25.80 | 221.8 | 2.93 | 1.33 | 1476. |
| 125 | 6.76 | 33.09 | 124 | 25.97 | 206.2 | 3.47 | 1.94 | 1478. |
| 150 | 6.60 | 33.50 | 149 | 26.32 | 173.8 | 3.93 | 2.60 | 1478. |
| 175 | 6.31 | 33.63 | 174 | 26.46 | 160.7 | 4.35 | 3.29 | 1477. |
| 200 | 5.93 | 33.77 | 199 | 26.61 | 146.2 | 4.73 | 4.01 | 1476. |
| 225 | 5.55 | 33.85 | 223 | 26.72 | 135.7 | 5.09 | 4.78 | 1475. |
| 250 | 5.29 | 33.88 | 248 | 26.78 | 130.6 | 5.42 | 5.58 | 1475. |
| 300 | 5.07 | 33.94 | 298 | 26.85 | 124.2 | 6.05 | 7.36 | 1475. |
| 400 | 4.46 | 33.98 | 397 | 26.95 | 115.4 | 7.24 | 11.59 | 1474. |
| 500 | 4.09 | 34.05 | 496 | 27.04 | 107.1 | 8.35 | 16.68 | 1474. |
| 600 | 3.87 | 34.15 | 595 | 27.15 | 98.1 | 9.38 | 22.40 | 1475. |
| 800 | 3.50 | 34.27 | 793 | 27.28 | 86.2 | 11.20 | 35.41 | 1477. |
| 1000 | 3.25 | 34.39 | 990 | 27.40 | 76.2 | 12.82 | 50.18 | 1479. |
| 1200 | 2.85 | 34.43 | 1188 | 27.47 | 69.9 | 14.28 | 66.52 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 72

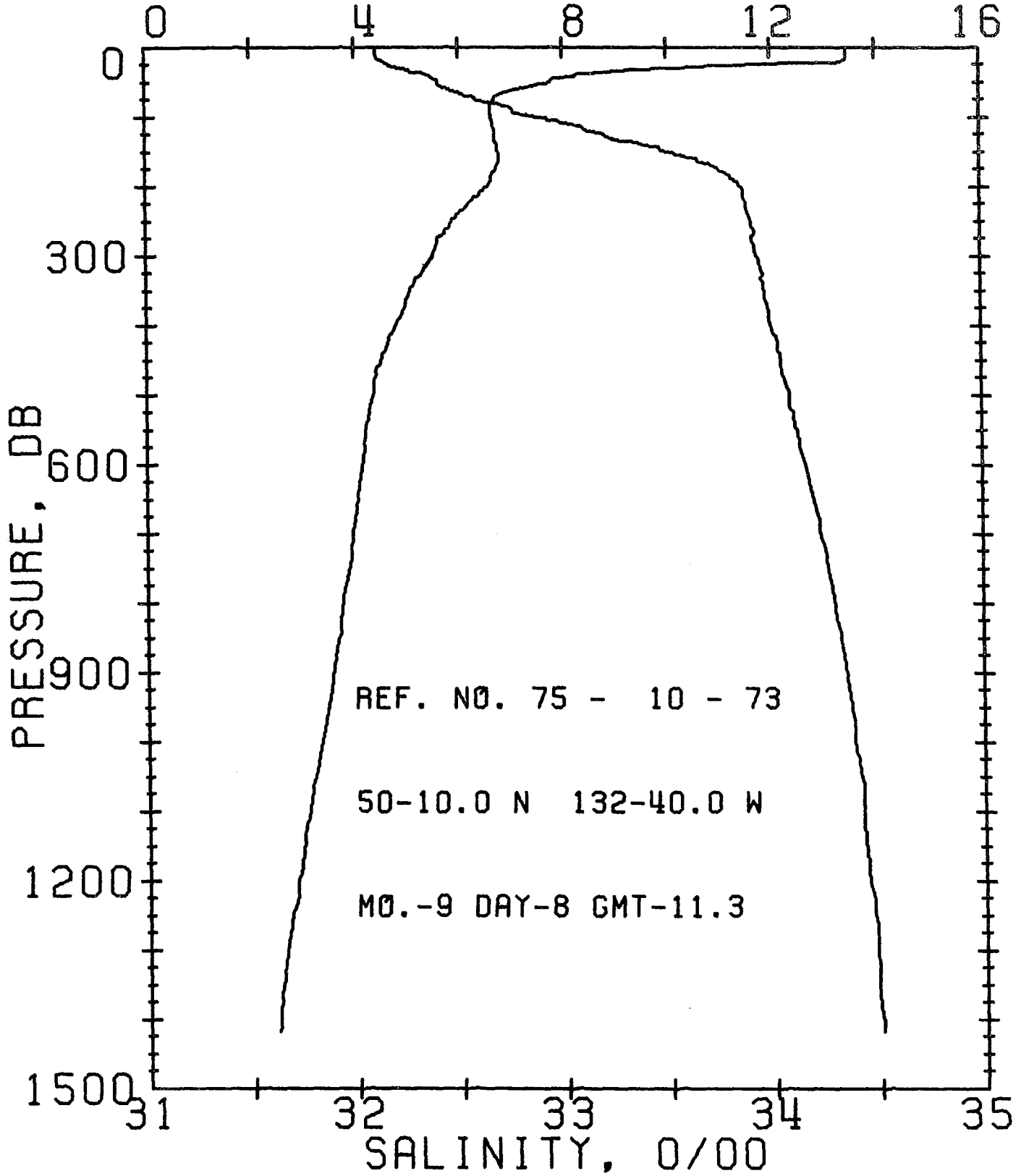
DATE 8/ 9/75

POSITION 50-40.0N, 132-40.0W GMT 8.2

RESULTS OF STP CAST 396 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 13.23 | 32.20 | 0 | 24.21 | 372.4 | 0.0 | 0.0 | 1498. |
| 10 | 13.23 | 32.21 | 10 | 24.21 | 372.5 | 0.37 | 0.02 | 1498. |
| 20 | 13.20 | 32.24 | 20 | 24.24 | 369.8 | 0.74 | 0.08 | 1498. |
| 30 | 11.99 | 32.24 | 30 | 24.47 | 347.6 | 1.10 | 0.17 | 1494. |
| 50 | 7.92 | 32.40 | 50 | 25.27 | 271.9 | 1.71 | 0.41 | 1480. |
| 75 | 6.87 | 32.59 | 75 | 25.56 | 244.2 | 2.35 | 0.82 | 1477. |
| 100 | 6.44 | 32.78 | 99 | 25.77 | 224.9 | 2.93 | 1.34 | 1476. |
| 125 | 6.61 | 33.22 | 124 | 26.09 | 194.6 | 3.46 | 1.94 | 1477. |
| 150 | 6.68 | 33.64 | 149 | 26.42 | 164.5 | 3.90 | 2.55 | 1478. |
| 175 | 6.52 | 33.82 | 174 | 26.58 | 149.3 | 4.29 | 3.20 | 1478. |
| 200 | 6.19 | 33.86 | 199 | 26.65 | 142.5 | 4.65 | 3.90 | 1478. |
| 225 | 5.93 | 33.89 | 223 | 26.71 | 137.4 | 5.00 | 4.65 | 1477. |
| 250 | 5.71 | 33.91 | 248 | 26.75 | 133.5 | 5.34 | 5.47 | 1477. |
| 300 | 5.31 | 33.94 | 298 | 26.82 | 127.0 | 5.99 | 7.30 | 1476. |
| 400 | 4.71 | 34.01 | 397 | 26.95 | 115.9 | 7.21 | 11.63 | 1475. |
| 500 | 4.30 | 34.10 | 496 | 27.07 | 105.2 | 8.31 | 16.67 | 1475. |
| 600 | 4.09 | 34.19 | 595 | 27.16 | 97.4 | 9.32 | 22.35 | 1476. |
| 800 | 3.60 | 34.30 | 793 | 27.30 | 85.1 | 11.15 | 35.33 | 1477. |
| 1000 | 3.29 | 34.39 | 990 | 27.40 | 76.7 | 12.76 | 50.06 | 1479. |
| 1200 | 2.83 | 34.43 | 1188 | 27.47 | 69.8 | 14.22 | 66.48 | 1481. |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 73

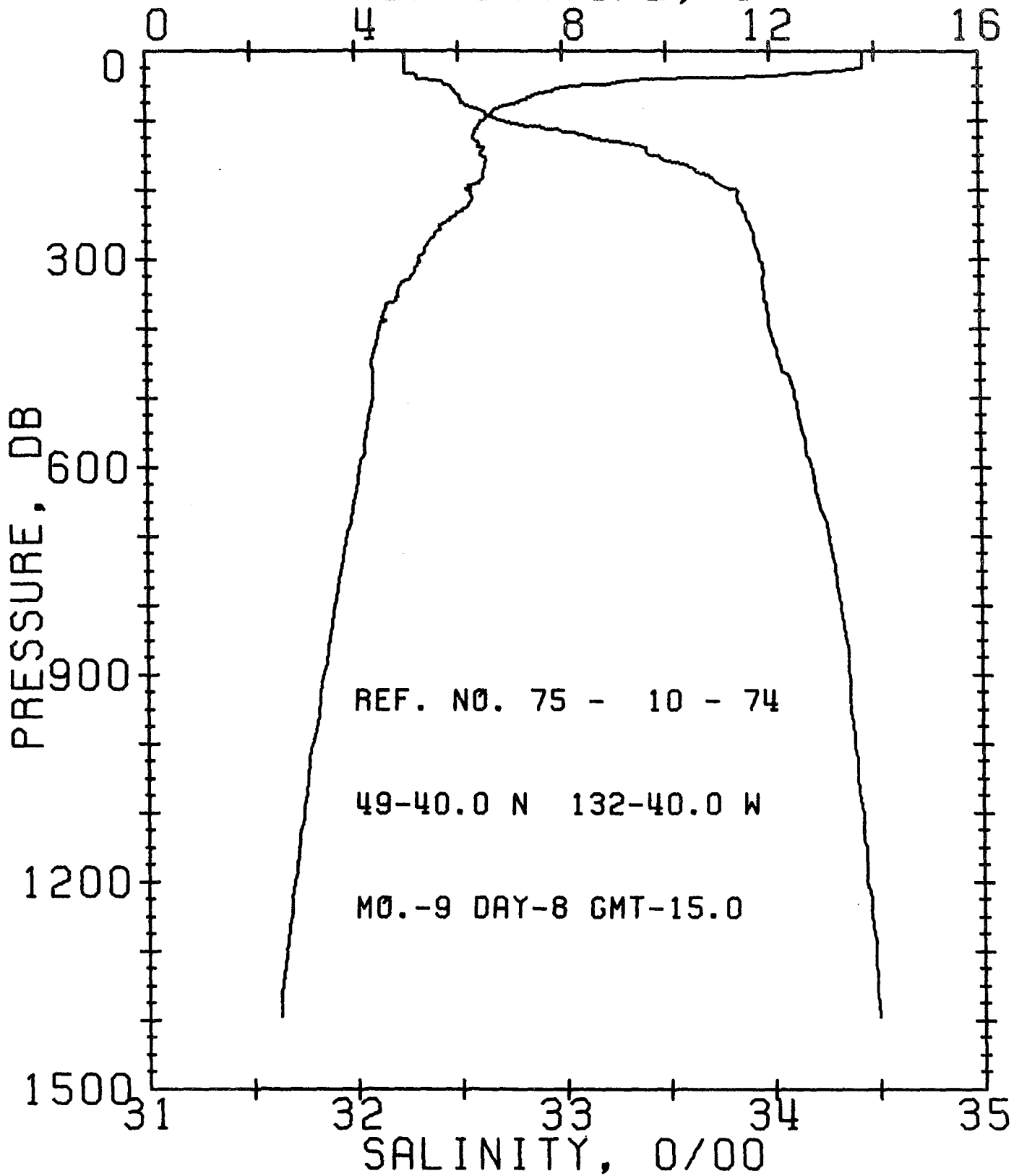
DATE 8/ 9/75

POSITION 50-10.0N, 132-40.0W GMT 11.3

RESULTS OF STP CAST 229 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 13.46 | 32.10 | 0 | 24.08 | 384.1 | 0.0 | 0.0 | 1499. |
| 10 | 13.46 | 32.10 | 10 | 24.08 | 384.6 | 0.38 | 0.02 | 1499. |
| 20 | 13.30 | 32.14 | 20 | 24.15 | 378.4 | 0.77 | 0.08 | 1499. |
| 30 | 9.79 | 32.24 | 30 | 24.86 | 311.0 | 1.11 | 0.17 | 1487. |
| 50 | 7.73 | 32.40 | 50 | 25.30 | 269.3 | 1.68 | 0.39 | 1479. |
| 75 | 6.68 | 32.59 | 75 | 25.59 | 241.8 | 2.31 | 0.80 | 1476. |
| 100 | 6.63 | 32.90 | 99 | 25.84 | 218.3 | 2.89 | 1.31 | 1476. |
| 125 | 6.70 | 33.20 | 124 | 26.07 | 197.3 | 3.41 | 1.90 | 1478. |
| 150 | 6.77 | 33.52 | 149 | 26.31 | 174.5 | 3.87 | 2.55 | 1479. |
| 175 | 6.69 | 33.75 | 174 | 26.50 | 156.6 | 4.28 | 3.23 | 1479. |
| 200 | 6.51 | 33.86 | 199 | 26.61 | 146.6 | 4.66 | 3.95 | 1479. |
| 225 | 6.17 | 33.88 | 223 | 26.67 | 141.2 | 5.02 | 4.73 | 1478. |
| 250 | 5.86 | 33.91 | 248 | 26.73 | 135.6 | 5.36 | 5.57 | 1477. |
| 300 | 5.48 | 33.93 | 298 | 26.80 | 129.8 | 6.03 | 7.42 | 1476. |
| 400 | 4.76 | 34.00 | 397 | 26.93 | 117.3 | 7.25 | 11.79 | 1475. |
| 500 | 4.33 | 34.08 | 496 | 27.05 | 107.3 | 8.37 | 16.90 | 1475. |
| 600 | 4.11 | 34.16 | 595 | 27.13 | 99.9 | 9.41 | 22.71 | 1476. |
| 800 | 3.72 | 34.29 | 793 | 27.28 | 87.2 | 11.28 | 36.01 | 1478. |
| 1000 | 3.30 | 34.38 | 990 | 27.39 | 77.3 | 12.92 | 51.01 | 1479. |
| 1200 | 2.84 | 34.45 | 1188 | 27.49 | 68.4 | 14.36 | 67.21 | 1481. |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10-74

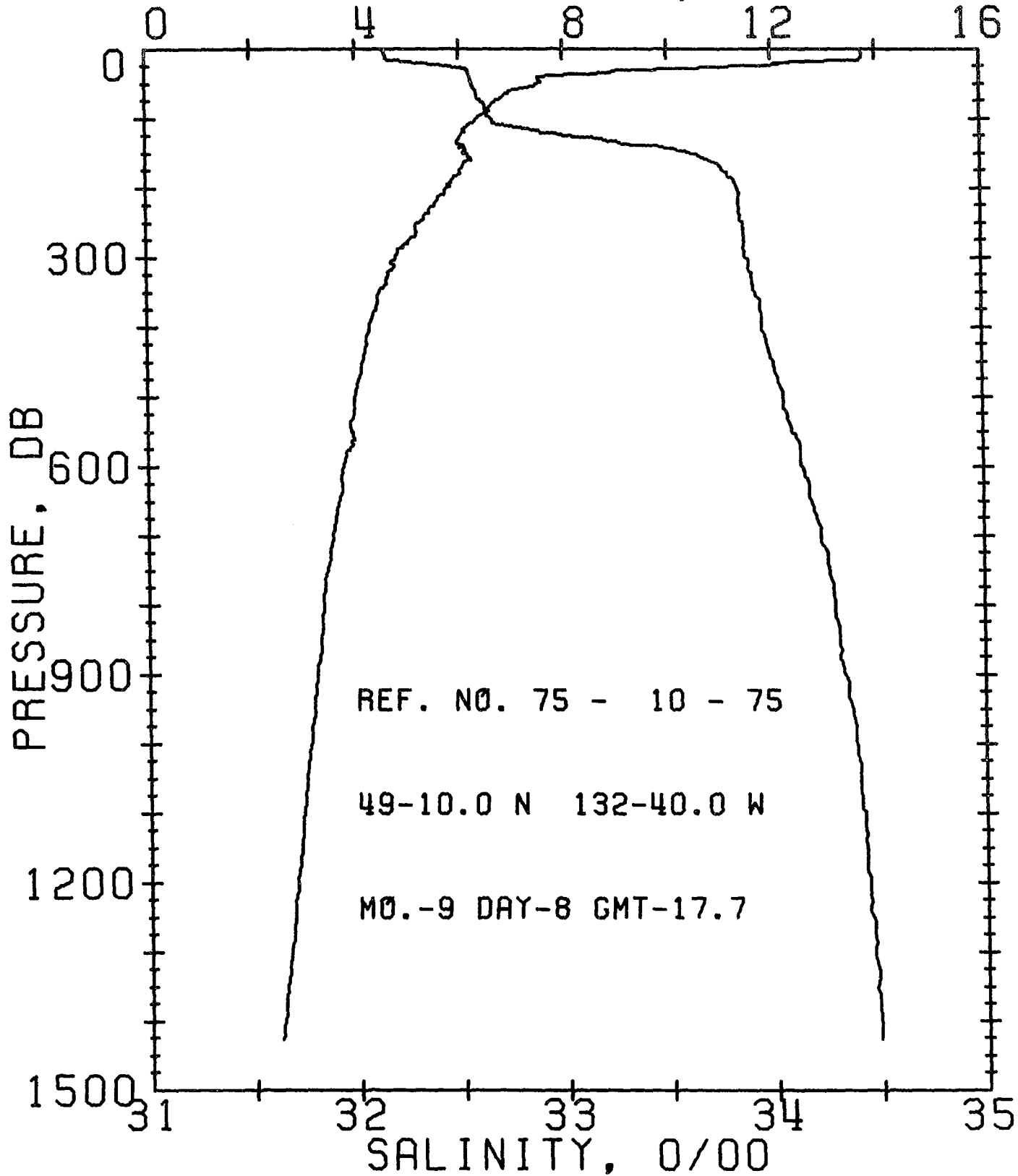
DATE 8/ 9/75

POSITION 49-40.0N, 132-40.0W GMT 15.0

RESULTS OF STP CAST 234 POINTS TAKEN FROM ANALOG TRACE

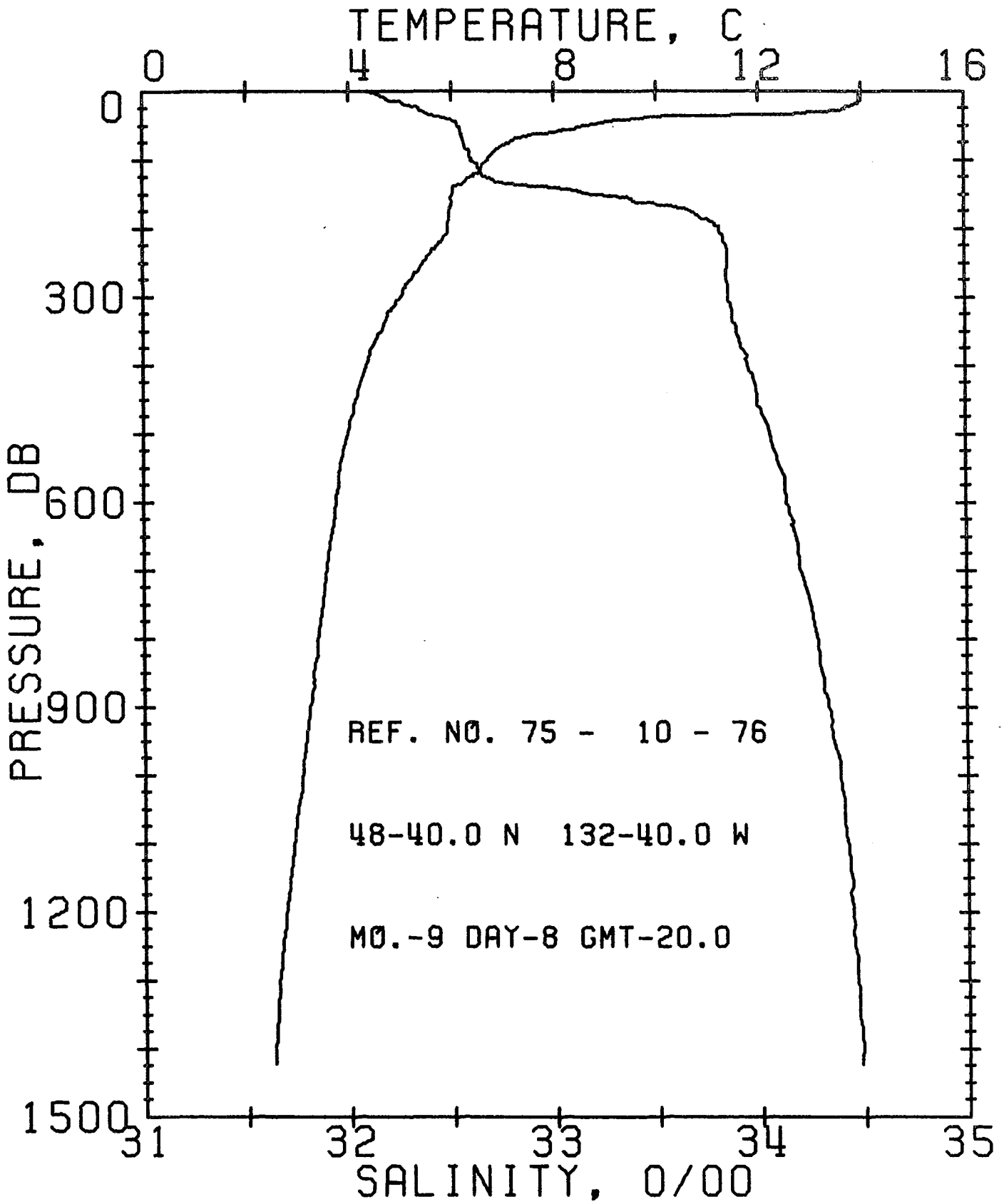
| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 13.78 | 32.24 | 0 | 24.13 | 380.0 | 0.0 | 0.0 | 1500. |
| 10 | 13.78 | 32.24 | 10 | 24.13 | 380.5 | 0.38 | 0.02 | 1500. |
| 20 | 13.78 | 32.24 | 20 | 24.13 | 380.7 | 0.76 | 0.08 | 1500. |
| 30 | 12.83 | 32.24 | 30 | 24.31 | 362.9 | 1.14 | 0.17 | 1497. |
| 50 | 8.16 | 32.46 | 50 | 25.28 | 270.8 | 1.76 | 0.42 | 1481. |
| 75 | 7.05 | 32.53 | 75 | 25.49 | 251.0 | 2.41 | 0.84 | 1477. |
| 100 | 6.47 | 32.70 | 99 | 25.70 | 231.3 | 3.01 | 1.37 | 1476. |
| 125 | 6.28 | 33.14 | 124 | 26.08 | 196.0 | 3.54 | 1.97 | 1476. |
| 150 | 6.43 | 33.42 | 149 | 26.28 | 177.7 | 3.99 | 2.61 | 1477. |
| 175 | 6.46 | 33.67 | 174 | 26.47 | 159.8 | 4.41 | 3.31 | 1478. |
| 200 | 6.21 | 33.86 | 199 | 26.65 | 142.8 | 4.79 | 4.03 | 1478. |
| 225 | 6.13 | 33.87 | 223 | 26.67 | 141.4 | 5.15 | 4.80 | 1478. |
| 250 | 5.63 | 33.90 | 248 | 26.75 | 133.3 | 5.49 | 5.63 | 1476. |
| 300 | 5.23 | 33.95 | 298 | 26.84 | 125.4 | 6.14 | 7.44 | 1475. |
| 400 | 4.44 | 33.99 | 397 | 26.96 | 114.1 | 7.33 | 11.69 | 1474. |
| 500 | 4.31 | 34.11 | 496 | 27.07 | 104.6 | 8.42 | 16.69 | 1475. |
| 600 | 4.06 | 34.19 | 595 | 27.16 | 97.1 | 9.43 | 22.35 | 1476. |
| 800 | 3.57 | 34.33 | 793 | 27.32 | 82.8 | 11.22 | 35.08 | 1477. |
| 1000 | 3.12 | 34.39 | 990 | 27.41 | 74.7 | 12.80 | 49.49 | 1479. |
| 1200 | 2.77 | 34.44 | 1188 | 27.49 | 68.2 | 14.22 | 65.43 | 1481. |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY GROUP
 REFERENCE NO. 75-10- 75 DATE 8/ 9/75
 POSITION 49-10.0N, 132-40.0W GMT 17.7
 RESULTS OF STP CAST 347 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 13.76 | 32.13 | 0 | 24.05 | 387.7 | 0.0 | 0.0 | 1500. |
| 10 | 13.75 | 32.15 | 10 | 24.06 | 386.7 | 0.39 | 0.02 | 1500. |
| 20 | 12.09 | 32.34 | 20 | 24.53 | 341.9 | 0.76 | 0.08 | 1495. |
| 30 | 9.10 | 32.53 | 30 | 25.19 | 278.9 | 1.08 | 0.16 | 1484. |
| 50 | 7.52 | 32.55 | 50 | 25.44 | 255.3 | 1.60 | 0.37 | 1479. |
| 75 | 6.70 | 32.61 | 75 | 25.60 | 240.5 | 2.22 | 0.76 | 1476. |
| 100 | 6.32 | 32.66 | 99 | 25.69 | 232.6 | 2.81 | 1.29 | 1475. |
| 125 | 5.99 | 33.08 | 124 | 26.06 | 197.4 | 3.36 | 1.92 | 1475. |
| 150 | 6.06 | 33.63 | 149 | 26.49 | 157.4 | 3.80 | 2.53 | 1476. |
| 175 | 6.00 | 33.78 | 174 | 26.61 | 145.8 | 4.18 | 3.16 | 1476. |
| 200 | 5.77 | 33.84 | 199 | 26.69 | 138.8 | 4.53 | 3.83 | 1476. |
| 225 | 5.49 | 33.84 | 223 | 26.72 | 135.7 | 4.87 | 4.58 | 1475. |
| 250 | 5.20 | 33.86 | 248 | 26.77 | 131.1 | 5.21 | 5.38 | 1474. |
| 300 | 4.76 | 33.88 | 298 | 26.84 | 125.2 | 5.85 | 7.18 | 1473. |
| 400 | 4.24 | 33.95 | 397 | 26.95 | 115.1 | 7.05 | 11.44 | 1473. |
| 500 | 3.96 | 34.05 | 496 | 27.06 | 105.5 | 8.15 | 16.49 | 1474. |
| 600 | 3.72 | 34.13 | 595 | 27.15 | 97.5 | 9.17 | 22.19 | 1474. |
| 800 | 3.33 | 34.29 | 793 | 27.31 | 83.1 | 10.96 | 34.92 | 1476. |
| 1000 | 3.07 | 34.38 | 990 | 27.41 | 74.6 | 12.54 | 49.38 | 1478. |
| 1200 | 2.80 | 34.44 | 1188 | 27.48 | 68.6 | 13.97 | 65.38 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

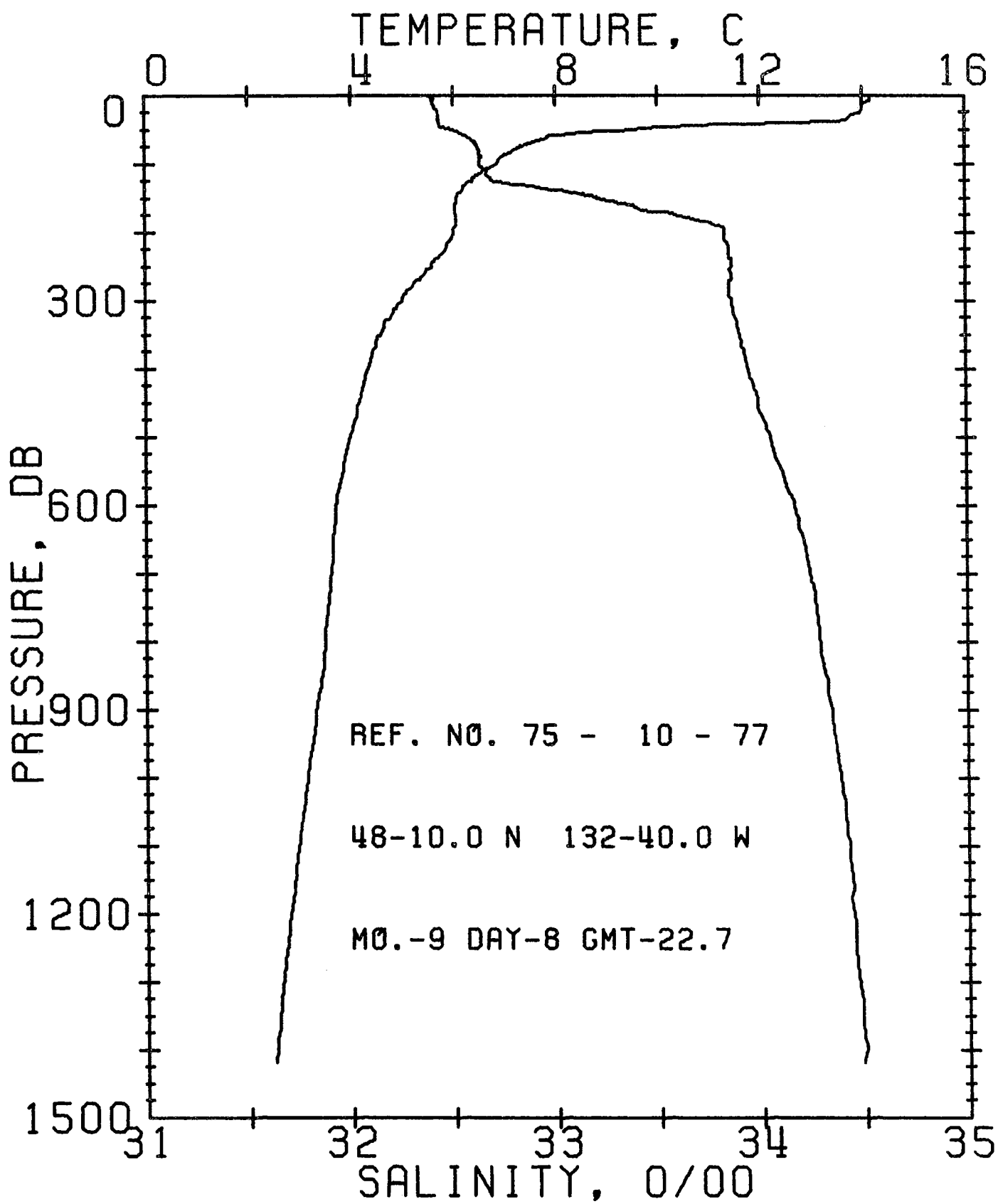
REFERENCE NO. 75-10- 76

DATE 8/ 9/75

POSITION 48-40.0N, 132-40.0W GMT 20.0

RESULTS OF STP CAST 273 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 13.97 | 32.09 | 0 | 23.97 | 394.7 | 0.0 | 0.0 | 1500. |
| 10 | 13.96 | 32.18 | 10 | 24.04 | 388.4 | 0.39 | 0.02 | 1501. |
| 20 | 13.79 | 32.30 | 20 | 24.17 | 376.5 | 0.78 | 0.08 | 1500. |
| 30 | 13.21 | 32.37 | 30 | 24.34 | 360.5 | 1.15 | 0.17 | 1499. |
| 50 | 8.63 | 32.53 | 50 | 25.27 | 272.3 | 1.75 | 0.41 | 1483. |
| 75 | 7.11 | 32.58 | 75 | 25.52 | 248.0 | 2.39 | 0.82 | 1478. |
| 100 | 6.69 | 32.60 | 99 | 25.60 | 241.1 | 3.00 | 1.37 | 1476. |
| 125 | 6.33 | 32.68 | 124 | 25.71 | 231.4 | 3.60 | 2.05 | 1475. |
| 150 | 6.01 | 33.20 | 149 | 26.16 | 188.9 | 4.13 | 2.79 | 1475. |
| 175 | 5.95 | 33.67 | 174 | 26.54 | 153.1 | 4.55 | 3.48 | 1476. |
| 200 | 5.92 | 33.81 | 199 | 26.65 | 142.9 | 4.92 | 4.19 | 1476. |
| 225 | 5.69 | 33.84 | 224 | 26.70 | 138.2 | 5.27 | 4.95 | 1476. |
| 250 | 5.45 | 33.85 | 248 | 26.74 | 134.8 | 5.61 | 5.77 | 1475. |
| 300 | 4.99 | 33.85 | 298 | 26.79 | 130.0 | 6.27 | 7.63 | 1474. |
| 400 | 4.32 | 33.94 | 397 | 26.94 | 116.7 | 7.50 | 12.01 | 1473. |
| 500 | 3.96 | 34.05 | 496 | 27.06 | 105.6 | 8.61 | 17.08 | 1474. |
| 600 | 3.73 | 34.13 | 595 | 27.15 | 97.8 | 9.62 | 22.74 | 1474. |
| 800 | 3.37 | 34.28 | 793 | 27.30 | 84.5 | 11.44 | 35.69 | 1476. |
| 1000 | 3.05 | 34.38 | 991 | 27.41 | 74.8 | 13.03 | 50.25 | 1478. |
| 1200 | 2.73 | 34.44 | 1188 | 27.49 | 68.0 | 14.45 | 66.13 | 1480. |



OFFSHORE OCEANOGRAPHY GROUP

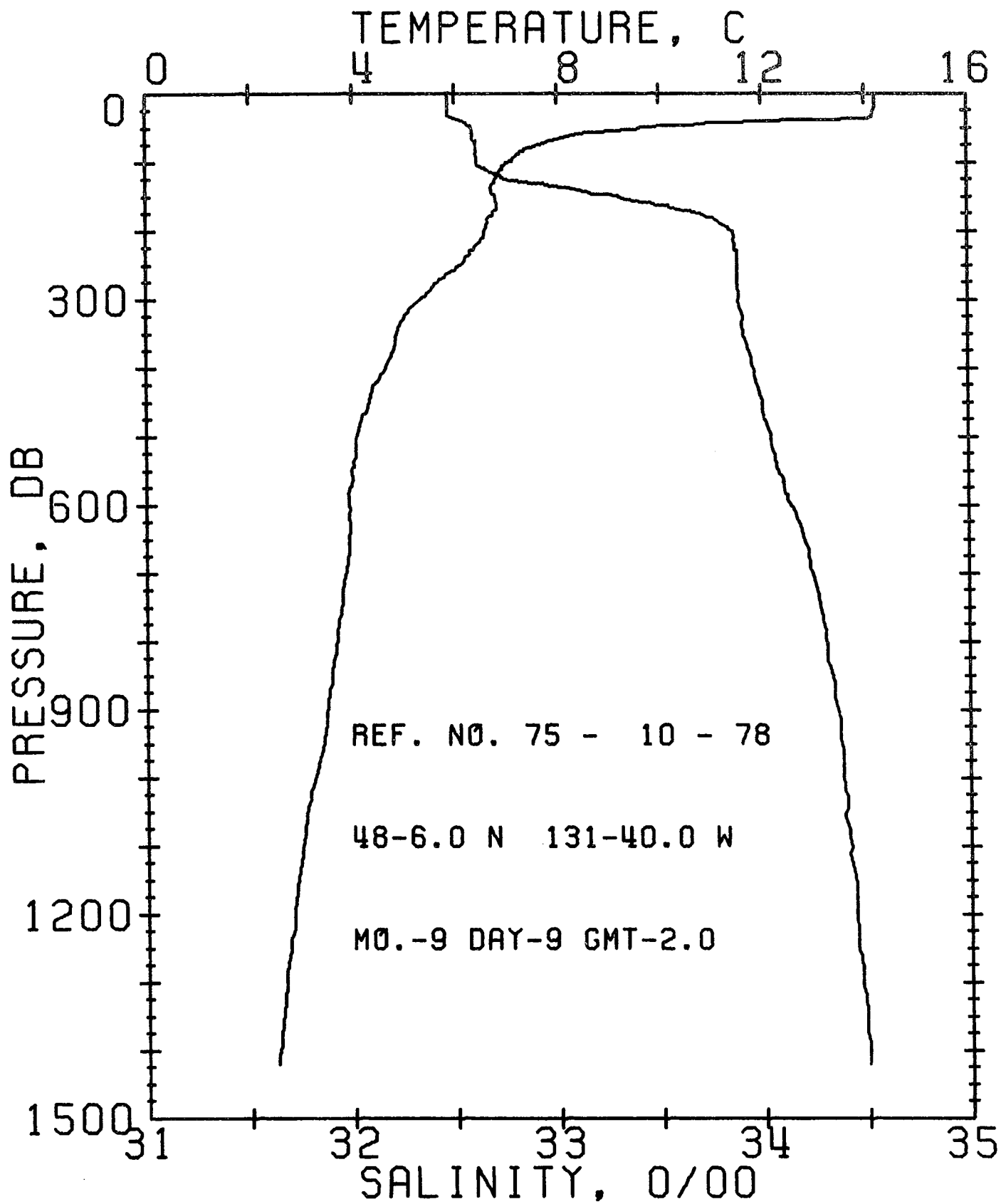
REFERENCE NO. 75-10- 77

DATE 8/ 9/75

POSITION 48-10.0N, 132-40.0W GMT 22.7

RESULTS OF STP CAST 259 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 14.16 | 32.39 | 0 | 24.16 | 376.4 | 0.0 | 0.0 | 1501. |
| 10 | 14.05 | 32.40 | 10 | 24.19 | 374.1 | 0.38 | 0.02 | 1501. |
| 20 | 13.98 | 32.41 | 20 | 24.22 | 371.8 | 0.75 | 0.08 | 1501. |
| 30 | 13.75 | 32.43 | 30 | 24.28 | 366.5 | 1.12 | 0.17 | 1501. |
| 50 | 9.39 | 32.50 | 50 | 25.13 | 285.5 | 1.79 | 0.44 | 1486. |
| 75 | 7.29 | 32.61 | 75 | 25.52 | 248.1 | 2.44 | 0.85 | 1478. |
| 100 | 6.82 | 32.63 | 99 | 25.60 | 240.9 | 3.05 | 1.39 | 1477. |
| 125 | 6.34 | 32.70 | 124 | 25.72 | 229.9 | 3.63 | 2.07 | 1475. |
| 150 | 6.05 | 33.20 | 149 | 26.15 | 189.5 | 4.15 | 2.79 | 1475. |
| 175 | 6.04 | 33.59 | 174 | 26.46 | 160.1 | 4.59 | 3.51 | 1476. |
| 200 | 6.00 | 33.83 | 199 | 26.65 | 142.4 | 4.96 | 4.22 | 1477. |
| 225 | 5.83 | 33.85 | 224 | 26.69 | 139.1 | 5.31 | 4.98 | 1477. |
| 250 | 5.56 | 33.86 | 248 | 26.73 | 135.4 | 5.65 | 5.81 | 1476. |
| 300 | 4.98 | 33.86 | 298 | 26.80 | 129.2 | 6.32 | 7.67 | 1474. |
| 400 | 4.31 | 33.94 | 397 | 26.93 | 116.8 | 7.54 | 12.02 | 1473. |
| 500 | 3.97 | 34.05 | 496 | 27.06 | 105.8 | 8.65 | 17.12 | 1474. |
| 600 | 3.69 | 34.16 | 595 | 27.18 | 95.1 | 9.66 | 22.76 | 1474. |
| 800 | 3.48 | 34.28 | 793 | 27.29 | 85.1 | 11.45 | 35.48 | 1477. |
| 1000 | 3.12 | 34.38 | 991 | 27.41 | 75.4 | 13.05 | 50.16 | 1479. |
| 1200 | 2.79 | 34.44 | 1188 | 27.48 | 68.3 | 14.48 | 66.18 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

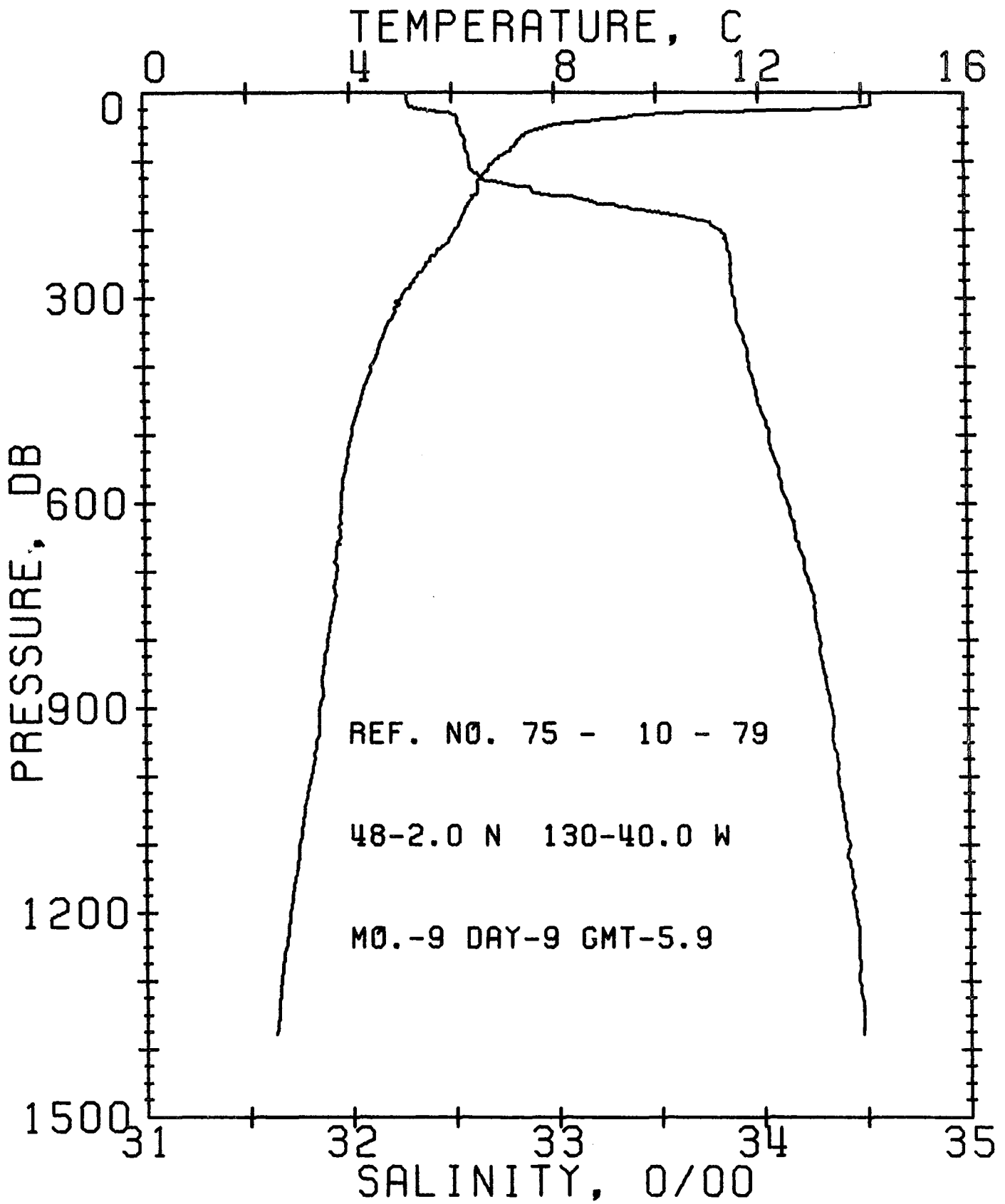
REFERENCE NO. 75-10- 78

DATE 9/ 9/75

POSITION 48- 6.0N, 131-40.0W GMT 2.0

RESULTS OF STP CAST 320 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 14.21 | 32.46 | 0 | 24.21 | 372.3 | 0.0 | 0.0 | 1502. |
| 10 | 14.21 | 32.47 | 10 | 24.21 | 372.0 | 0.37 | 0.02 | 1502. |
| 20 | 14.20 | 32.47 | 20 | 24.22 | 372.0 | 0.74 | 0.08 | 1502. |
| 30 | 14.15 | 32.47 | 30 | 24.23 | 371.4 | 1.12 | 0.17 | 1502. |
| 50 | 9.62 | 32.58 | 50 | 25.15 | 283.5 | 1.77 | 0.43 | 1487. |
| 75 | 7.58 | 32.60 | 75 | 25.48 | 252.7 | 2.43 | 0.85 | 1479. |
| 100 | 7.04 | 32.61 | 99 | 25.56 | 245.2 | 3.05 | 1.41 | 1478. |
| 125 | 6.78 | 32.77 | 124 | 25.72 | 230.2 | 3.65 | 2.09 | 1477. |
| 150 | 6.80 | 33.30 | 149 | 26.13 | 191.3 | 4.17 | 2.82 | 1478. |
| 175 | 6.74 | 33.70 | 174 | 26.46 | 160.8 | 4.61 | 3.54 | 1479. |
| 200 | 6.57 | 33.86 | 199 | 26.60 | 147.4 | 4.99 | 4.28 | 1479. |
| 225 | 6.35 | 33.87 | 224 | 26.64 | 144.2 | 5.36 | 5.07 | 1479. |
| 250 | 6.10 | 33.88 | 248 | 26.68 | 140.6 | 5.71 | 5.93 | 1478. |
| 300 | 5.32 | 33.89 | 298 | 26.78 | 130.9 | 6.39 | 7.82 | 1476. |
| 400 | 4.62 | 33.95 | 397 | 26.91 | 119.0 | 7.63 | 12.26 | 1475. |
| 500 | 4.06 | 34.04 | 496 | 27.04 | 107.3 | 8.76 | 17.42 | 1474. |
| 600 | 3.92 | 34.14 | 595 | 27.13 | 99.3 | 9.80 | 23.25 | 1475. |
| 800 | 3.67 | 34.30 | 793 | 27.29 | 85.8 | 11.64 | 36.31 | 1478. |
| 1000 | 3.22 | 34.38 | 991 | 27.40 | 76.4 | 13.26 | 51.12 | 1479. |
| 1200 | 2.83 | 34.44 | 1188 | 27.48 | 69.1 | 14.70 | 67.27 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

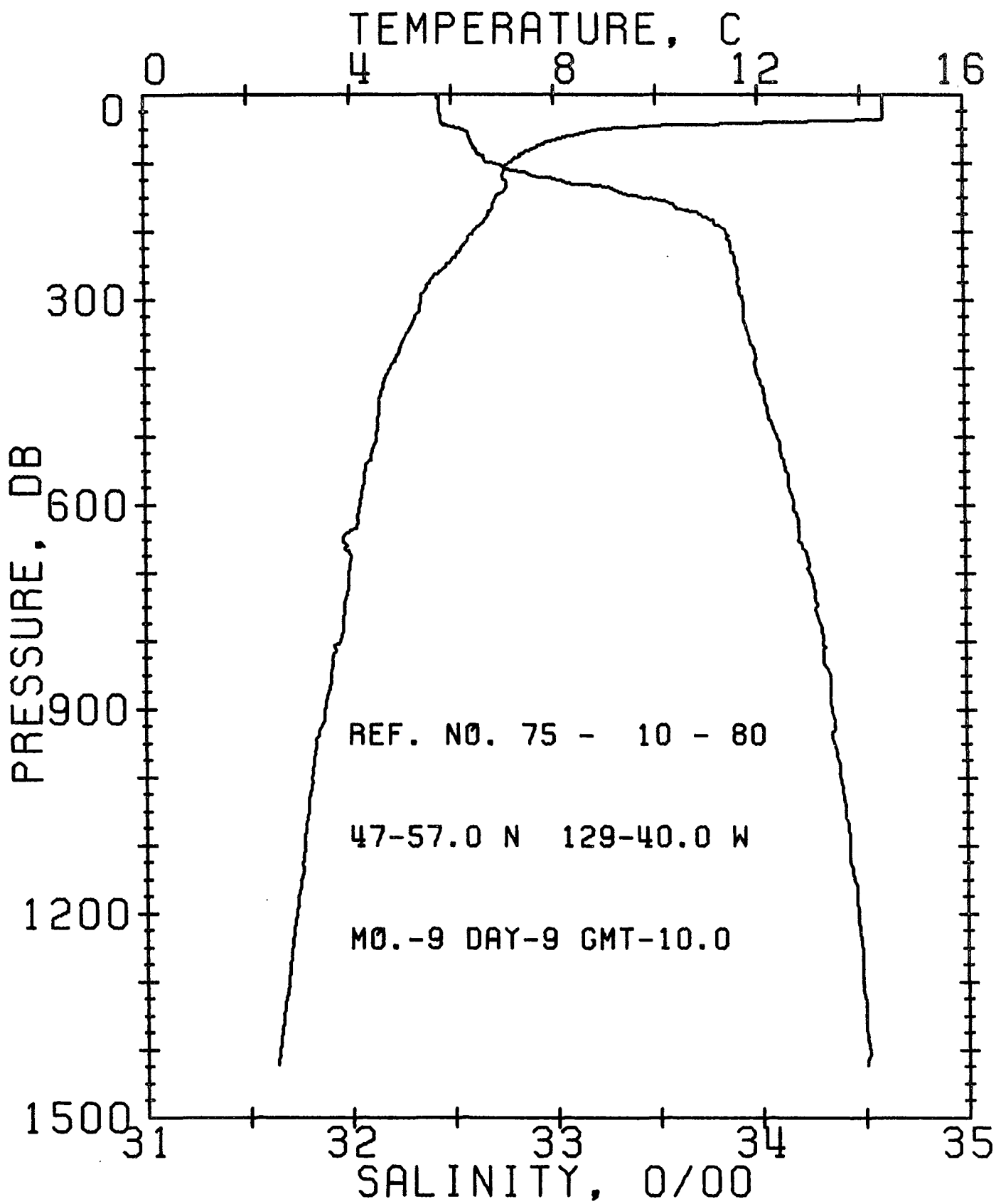
REFERENCE NO. 75-10- 79

DATE 9/ 9/75

POSITION 48- 2.0N, 130-40.0W GMT 5.9

RESULTS OF STP CAST 306 POINTS TAKEN FROM ANALCG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 14.19 | 32.28 | 0 | 24.07 | 385.1 | 0.0 | 0.0 | 1501. |
| 10 | 14.19 | 32.28 | 10 | 24.07 | 385.6 | 0.39 | 0.02 | 1502. |
| 20 | 14.14 | 32.30 | 20 | 24.10 | 383.4 | 0.77 | 0.08 | 1502. |
| 30 | 10.24 | 32.50 | 30 | 24.99 | 298.9 | 1.11 | 0.17 | 1489. |
| 50 | 7.79 | 32.54 | 50 | 25.40 | 259.7 | 1.66 | 0.39 | 1480. |
| 75 | 7.22 | 32.57 | 75 | 25.50 | 250.3 | 2.30 | 0.79 | 1478. |
| 100 | 6.84 | 32.57 | 99 | 25.55 | 245.6 | 2.92 | 1.34 | 1477. |
| 125 | 6.57 | 32.64 | 124 | 25.64 | 237.3 | 3.52 | 2.04 | 1476. |
| 150 | 6.38 | 33.06 | 149 | 26.00 | 203.8 | 4.08 | 2.81 | 1476. |
| 175 | 6.23 | 33.53 | 174 | 26.39 | 167.3 | 4.54 | 3.58 | 1477. |
| 200 | 6.04 | 33.81 | 199 | 26.63 | 144.4 | 4.92 | 4.31 | 1477. |
| 225 | 5.81 | 33.85 | 224 | 26.69 | 138.8 | 5.28 | 5.08 | 1476. |
| 250 | 5.49 | 33.86 | 248 | 26.74 | 134.3 | 5.62 | 5.90 | 1476. |
| 300 | 4.98 | 33.88 | 298 | 26.81 | 127.6 | 6.27 | 7.74 | 1474. |
| 400 | 4.40 | 33.95 | 397 | 26.93 | 116.9 | 7.50 | 12.10 | 1474. |
| 500 | 4.01 | 34.04 | 496 | 27.05 | 106.8 | 8.62 | 17.22 | 1474. |
| 600 | 3.82 | 34.13 | 595 | 27.14 | 98.7 | 9.64 | 22.98 | 1475. |
| 800 | 3.52 | 34.28 | 793 | 27.29 | 85.7 | 11.49 | 36.07 | 1477. |
| 1000 | 3.20 | 34.37 | 991 | 27.39 | 77.4 | 13.11 | 50.97 | 1479. |
| 1200 | 2.78 | 34.45 | 1188 | 27.49 | 67.9 | 14.56 | 67.16 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

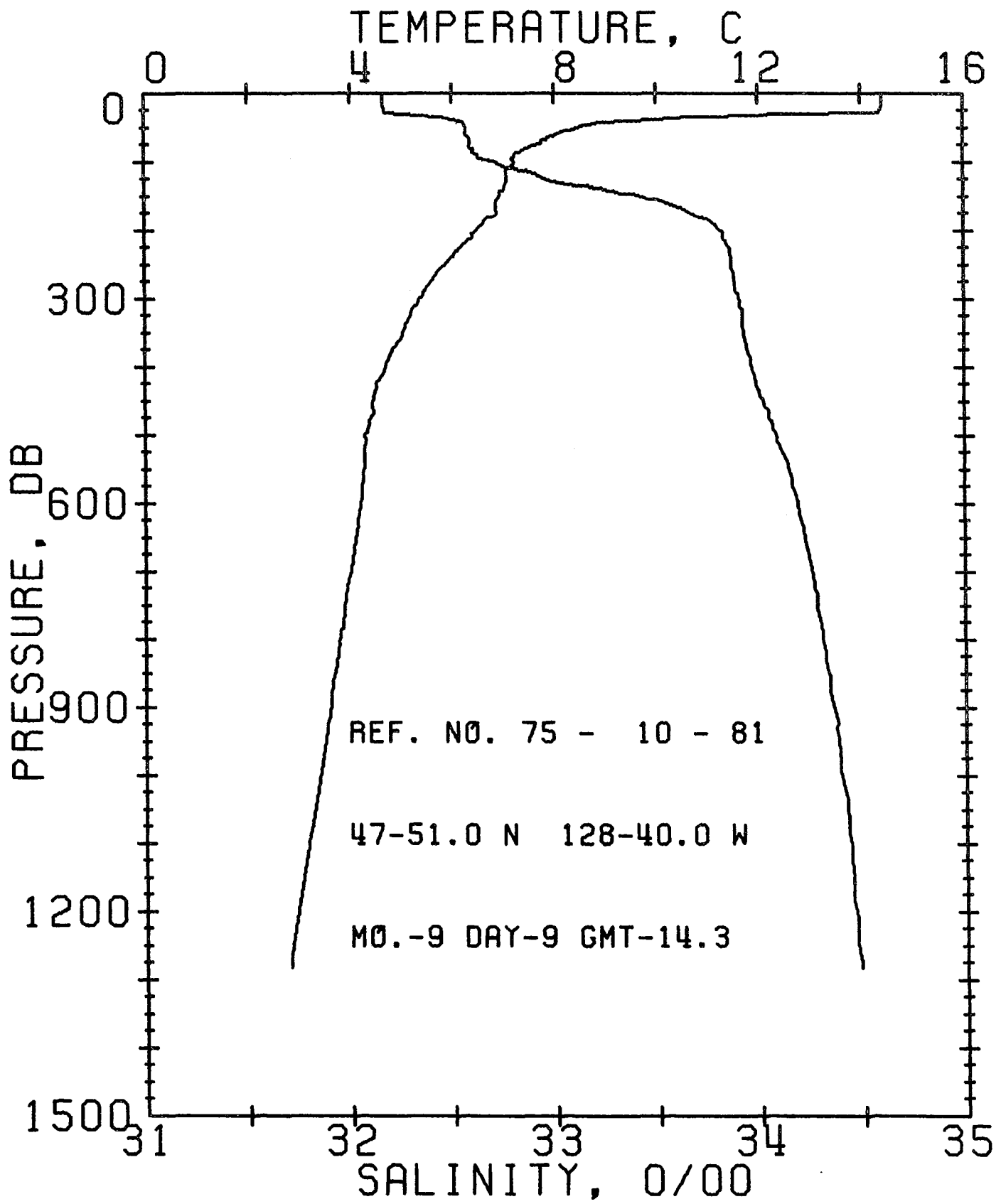
REFERENCE NO. 75-10- 80

DATE 9/ 9/75

POSITION 47-57.0N, 129-40.0W GMT 10.0

RESULTS OF STP CAST 346 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 14.45 | 32.44 | 0 | 24.14 | 378.5 | 0.0 | 0.0 | 1502. |
| 10 | 14.46 | 32.44 | 10 | 24.14 | 379.1 | 0.38 | 0.02 | 1503. |
| 20 | 14.45 | 32.44 | 20 | 24.14 | 379.2 | 0.76 | 0.08 | 1503. |
| 30 | 14.45 | 32.45 | 30 | 24.15 | 378.7 | 1.14 | 0.17 | 1503. |
| 50 | 8.93 | 32.56 | 50 | 25.24 | 274.4 | 1.81 | 0.44 | 1484. |
| 75 | 7.71 | 32.61 | 75 | 25.46 | 253.8 | 2.46 | 0.86 | 1480. |
| 100 | 7.14 | 32.71 | 99 | 25.62 | 239.0 | 3.08 | 1.41 | 1478. |
| 125 | 7.07 | 33.04 | 124 | 25.90 | 213.5 | 3.65 | 2.06 | 1479. |
| 150 | 6.86 | 33.46 | 149 | 26.25 | 180.3 | 4.14 | 2.74 | 1479. |
| 175 | 6.71 | 33.73 | 174 | 26.48 | 158.5 | 4.56 | 3.44 | 1479. |
| 200 | 6.42 | 33.85 | 199 | 26.62 | 146.2 | 4.94 | 4.17 | 1478. |
| 225 | 6.18 | 33.87 | 224 | 26.66 | 141.9 | 5.30 | 4.95 | 1478. |
| 250 | 5.89 | 33.90 | 248 | 26.72 | 136.8 | 5.65 | 5.79 | 1477. |
| 300 | 5.39 | 33.92 | 298 | 26.80 | 129.5 | 6.31 | 7.65 | 1476. |
| 400 | 4.77 | 33.99 | 397 | 26.92 | 118.4 | 7.55 | 12.06 | 1475. |
| 500 | 4.50 | 34.09 | 496 | 27.03 | 108.7 | 8.68 | 17.25 | 1476. |
| 600 | 4.18 | 34.17 | 595 | 27.13 | 99.8 | 9.72 | 23.07 | 1476. |
| 800 | 3.77 | 34.31 | 793 | 27.29 | 86.5 | 11.58 | 36.26 | 1478. |
| 1000 | 3.21 | 34.38 | 991 | 27.40 | 76.4 | 13.20 | 51.10 | 1479. |
| 1200 | 2.91 | 34.47 | 1188 | 27.49 | 67.8 | 14.63 | 67.19 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

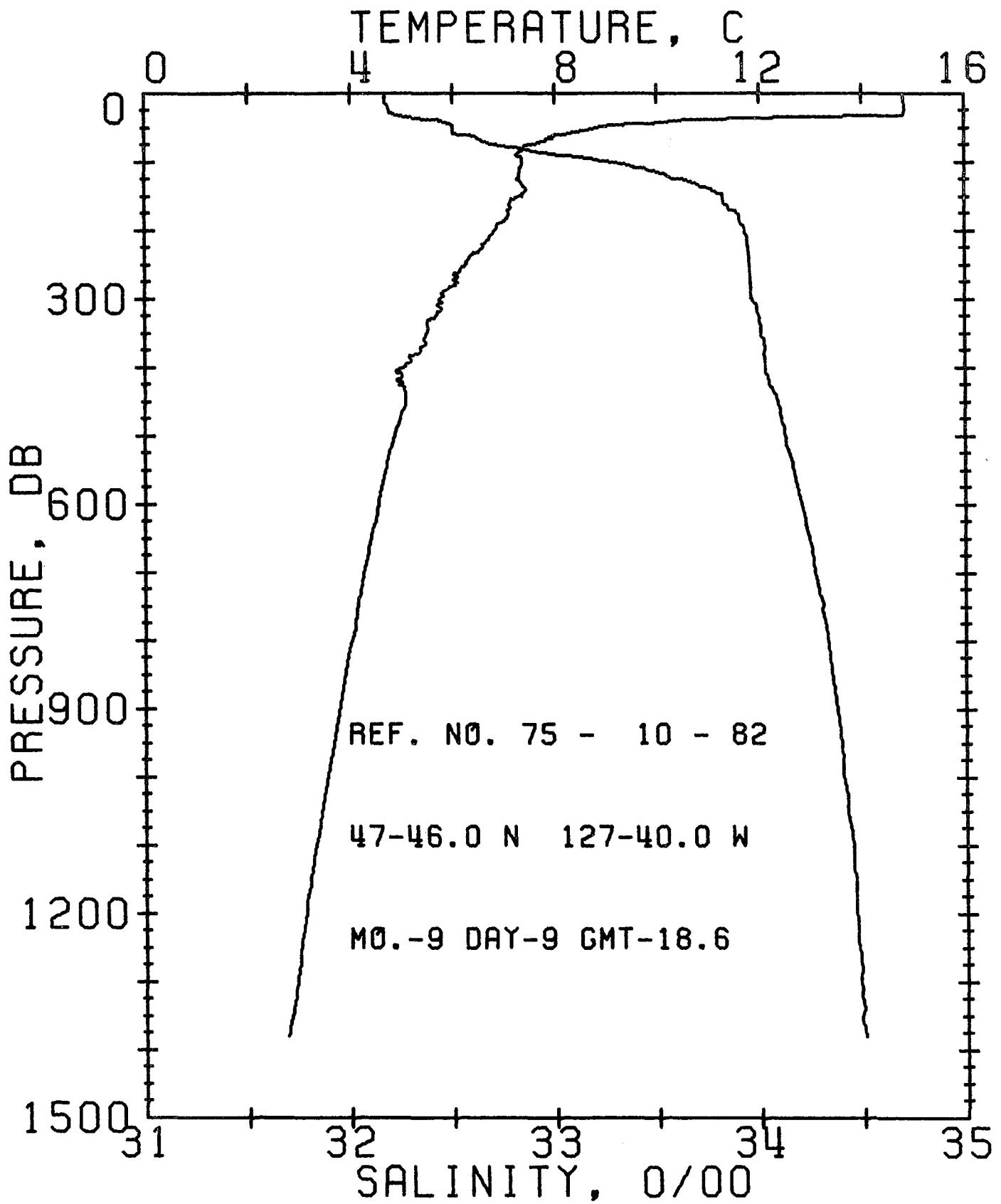
REFERENCE NO. 75-10- 81

DATE 9/ 9/75

POSITION 47-51.0N, 128-40.0W GMT 14.3

RESULTS OF STP CAST 265 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 14.42 | 32.16 | 0 | 23.93 | 398.5 | 0.0 | 0.0 | 1502. |
| 10 | 14.43 | 32.16 | 10 | 23.93 | 399.0 | 0.40 | 0.02 | 1502. |
| 20 | 14.40 | 32.16 | 20 | 23.94 | 398.7 | 0.80 | 0.08 | 1502. |
| 30 | 12.58 | 32.26 | 30 | 24.38 | 356.8 | 1.19 | 0.18 | 1497. |
| 50 | 8.46 | 32.57 | 50 | 25.32 | 266.9 | 1.77 | 0.42 | 1482. |
| 75 | 7.65 | 32.59 | 75 | 25.46 | 254.5 | 2.42 | 0.83 | 1480. |
| 100 | 7.22 | 32.71 | 99 | 25.61 | 239.8 | 3.04 | 1.38 | 1479. |
| 125 | 7.06 | 32.97 | 124 | 25.84 | 219.0 | 3.61 | 2.03 | 1479. |
| 150 | 6.90 | 33.43 | 149 | 26.22 | 183.1 | 4.11 | 2.74 | 1479. |
| 175 | 6.85 | 33.68 | 174 | 26.42 | 164.1 | 4.54 | 3.45 | 1480. |
| 200 | 6.45 | 33.82 | 199 | 26.59 | 148.7 | 4.93 | 4.19 | 1479. |
| 225 | 6.13 | 33.86 | 224 | 26.66 | 142.1 | 5.30 | 4.98 | 1478. |
| 250 | 5.86 | 33.87 | 248 | 26.70 | 138.3 | 5.65 | 5.83 | 1477. |
| 300 | 5.34 | 33.90 | 298 | 26.79 | 130.3 | 6.32 | 7.71 | 1476. |
| 400 | 4.68 | 33.97 | 397 | 26.92 | 118.9 | 7.56 | 12.14 | 1475. |
| 500 | 4.28 | 34.08 | 496 | 27.05 | 106.6 | 8.69 | 17.29 | 1475. |
| 600 | 4.19 | 34.19 | 595 | 27.14 | 98.8 | 9.71 | 23.02 | 1476. |
| 800 | 3.78 | 34.31 | 793 | 27.29 | 86.5 | 11.56 | 36.17 | 1478. |
| 1000 | 3.37 | 34.40 | 991 | 27.39 | 77.1 | 13.19 | 51.10 | 1480. |
| 1200 | 2.93 | 34.46 | 1188 | 27.49 | 68.7 | 14.64 | 67.31 | 1481. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 82

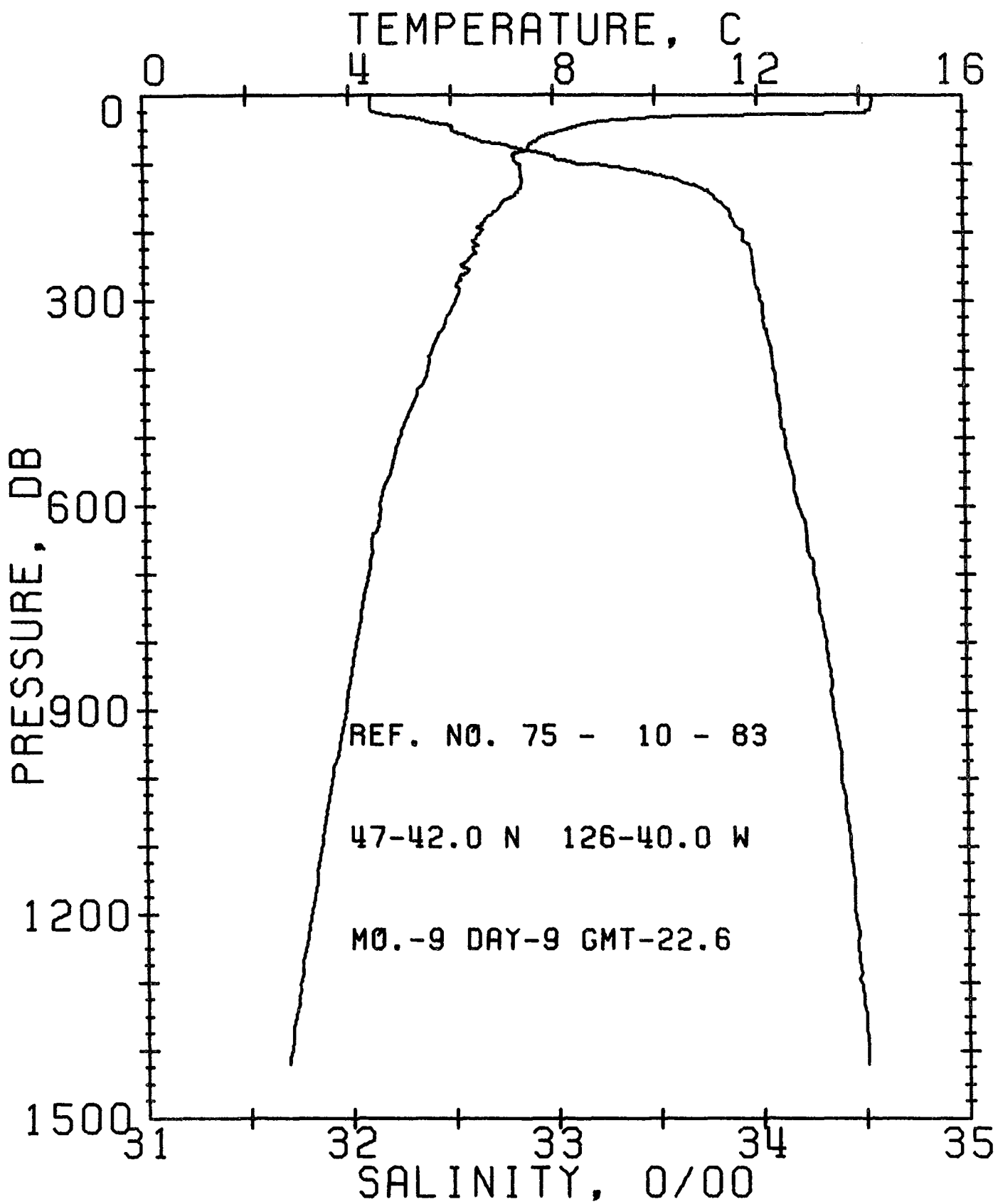
DATE 9/ 9/75

POSITION 47-46.0N, 127-40.0W

GMT 18.6

RESULTS OF STP CAST 287 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 14.83 | 32.17 | 0 | 23.85 | 405.9 | 0.0 | 0.0 | 1503. |
| 10 | 14.83 | 32.17 | 10 | 23.85 | 406.5 | 0.41 | 0.02 | 1504. |
| 20 | 14.84 | 32.18 | 20 | 23.86 | 406.1 | 0.81 | 0.08 | 1504. |
| 30 | 14.81 | 32.21 | 30 | 23.89 | 403.5 | 1.22 | 0.19 | 1504. |
| 50 | 8.81 | 32.50 | 50 | 25.22 | 277.1 | 1.85 | 0.44 | 1484. |
| 75 | 7.47 | 32.72 | 75 | 25.58 | 242.4 | 2.50 | 0.85 | 1479. |
| 100 | 7.37 | 33.28 | 99 | 26.04 | 199.3 | 3.05 | 1.34 | 1480. |
| 125 | 7.28 | 33.64 | 124 | 26.33 | 172.1 | 3.51 | 1.87 | 1480. |
| 150 | 7.34 | 33.81 | 149 | 26.46 | 160.6 | 3.93 | 2.45 | 1481. |
| 175 | 7.09 | 33.90 | 174 | 26.56 | 150.9 | 4.32 | 3.09 | 1481. |
| 200 | 6.81 | 33.93 | 199 | 26.63 | 145.3 | 4.69 | 3.80 | 1480. |
| 225 | 6.55 | 33.95 | 224 | 26.68 | 140.8 | 5.05 | 4.58 | 1480. |
| 250 | 6.23 | 33.95 | 248 | 26.72 | 137.0 | 5.39 | 5.42 | 1479. |
| 300 | 5.73 | 33.96 | 298 | 26.79 | 130.6 | 6.07 | 7.30 | 1477. |
| 400 | 4.97 | 34.02 | 397 | 26.93 | 118.2 | 7.31 | 11.72 | 1476. |
| 500 | 4.84 | 34.13 | 496 | 27.03 | 109.8 | 8.45 | 16.95 | 1477. |
| 600 | 4.52 | 34.20 | 595 | 27.12 | 101.2 | 9.50 | 22.85 | 1478. |
| 800 | 4.01 | 34.33 | 793 | 27.28 | 87.8 | 11.39 | 36.24 | 1479. |
| 1000 | 3.53 | 34.40 | 991 | 27.38 | 78.4 | 13.04 | 51.39 | 1480. |
| 1200 | 3.10 | 34.46 | 1188 | 27.47 | 70.4 | 14.52 | 67.91 | 1482. |



OFFSHORE OCEANOGRAPHY GROUP

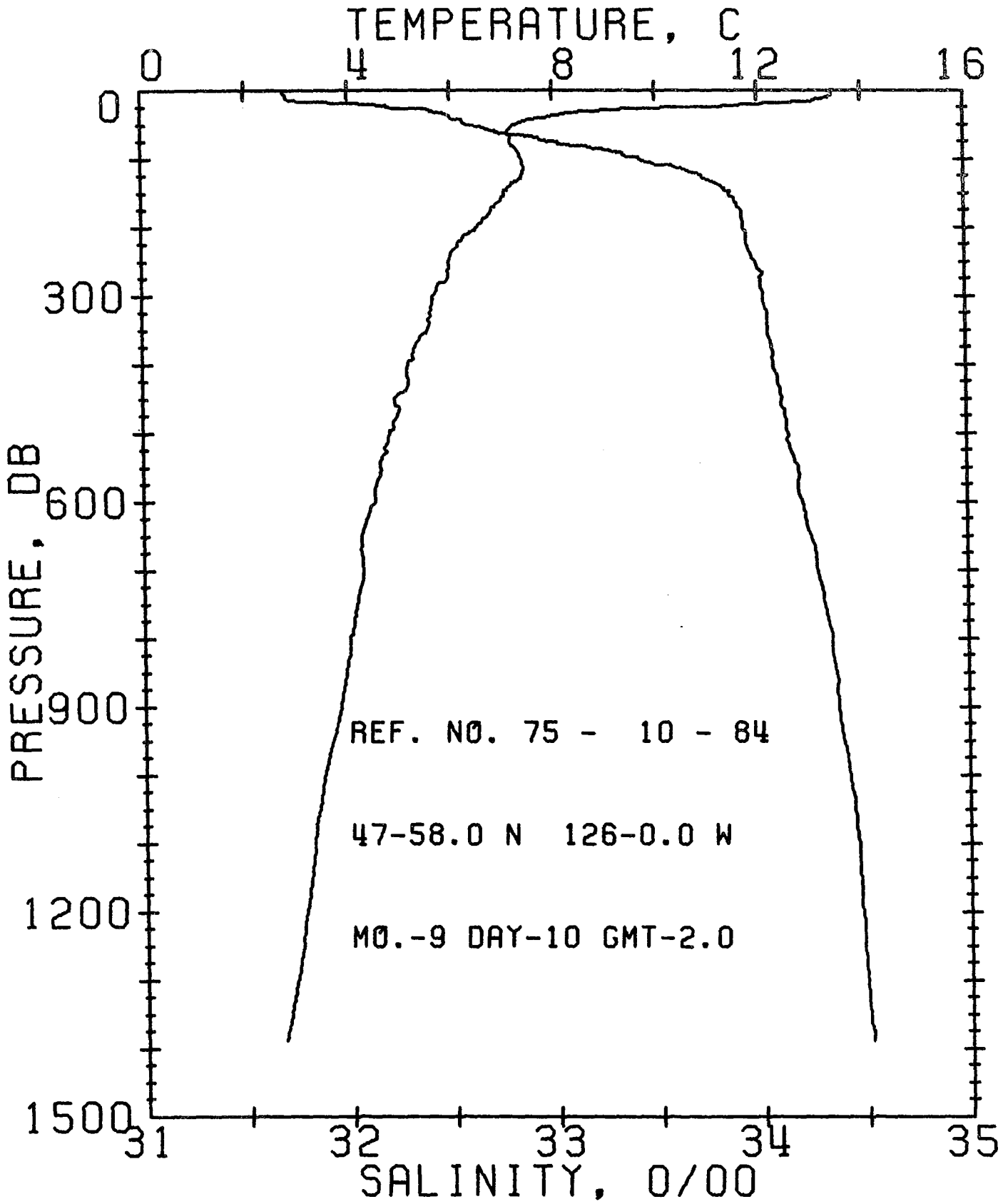
REFERENCE NO. 75-10- 83

DATE 9/ 9/75

POSITION 47-42.0N, 126-40.0W GMT 22.6

RESULTS OF STP CAST 294 POINTS TAKEN FROM ANALCG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 14.24 | 32.11 | 0 | 23.93 | 398.6 | 0.0 | 0.0 | 1501. |
| 10 | 14.25 | 32.11 | 10 | 23.93 | 399.1 | 0.40 | 0.02 | 1502. |
| 20 | 14.20 | 32.11 | 20 | 23.94 | 398.6 | 0.80 | 0.02 | 1502. |
| 30 | 10.73 | 32.25 | 30 | 24.71 | 325.3 | 1.17 | 0.18 | 1490. |
| 50 | 8.23 | 32.51 | 50 | 25.31 | 268.0 | 1.74 | 0.41 | 1481. |
| 75 | 7.50 | 32.80 | 75 | 25.64 | 236.8 | 2.38 | 0.81 | 1479. |
| 100 | 7.33 | 33.17 | 99 | 25.96 | 207.3 | 2.93 | 1.30 | 1480. |
| 125 | 7.38 | 33.63 | 124 | 26.31 | 174.2 | 3.40 | 1.83 | 1481. |
| 150 | 7.16 | 33.79 | 149 | 26.47 | 159.7 | 3.81 | 2.42 | 1481. |
| 175 | 6.75 | 33.87 | 174 | 26.59 | 148.6 | 4.19 | 3.05 | 1479. |
| 200 | 6.56 | 33.93 | 199 | 26.66 | 142.0 | 4.56 | 3.74 | 1479. |
| 225 | 6.43 | 33.96 | 224 | 26.70 | 138.4 | 4.91 | 4.50 | 1479. |
| 250 | 6.18 | 33.96 | 248 | 26.73 | 135.6 | 5.25 | 5.33 | 1478. |
| 300 | 6.04 | 34.01 | 298 | 26.79 | 130.7 | 5.92 | 7.20 | 1479. |
| 400 | 5.52 | 34.07 | 397 | 26.90 | 120.9 | 7.17 | 11.66 | 1478. |
| 500 | 4.94 | 34.13 | 496 | 27.02 | 110.8 | 8.33 | 16.97 | 1478. |
| 600 | 4.57 | 34.19 | 595 | 27.11 | 102.8 | 9.40 | 22.96 | 1478. |
| 800 | 4.09 | 34.32 | 793 | 27.26 | 89.5 | 11.32 | 36.59 | 1479. |
| 1000 | 3.61 | 34.39 | 991 | 27.37 | 80.3 | 13.01 | 52.12 | 1481. |
| 1200 | 3.19 | 34.45 | 1188 | 27.46 | 72.0 | 14.52 | 69.07 | 1482. |



OFFSHORE OCEANOGRAPHY GROUP

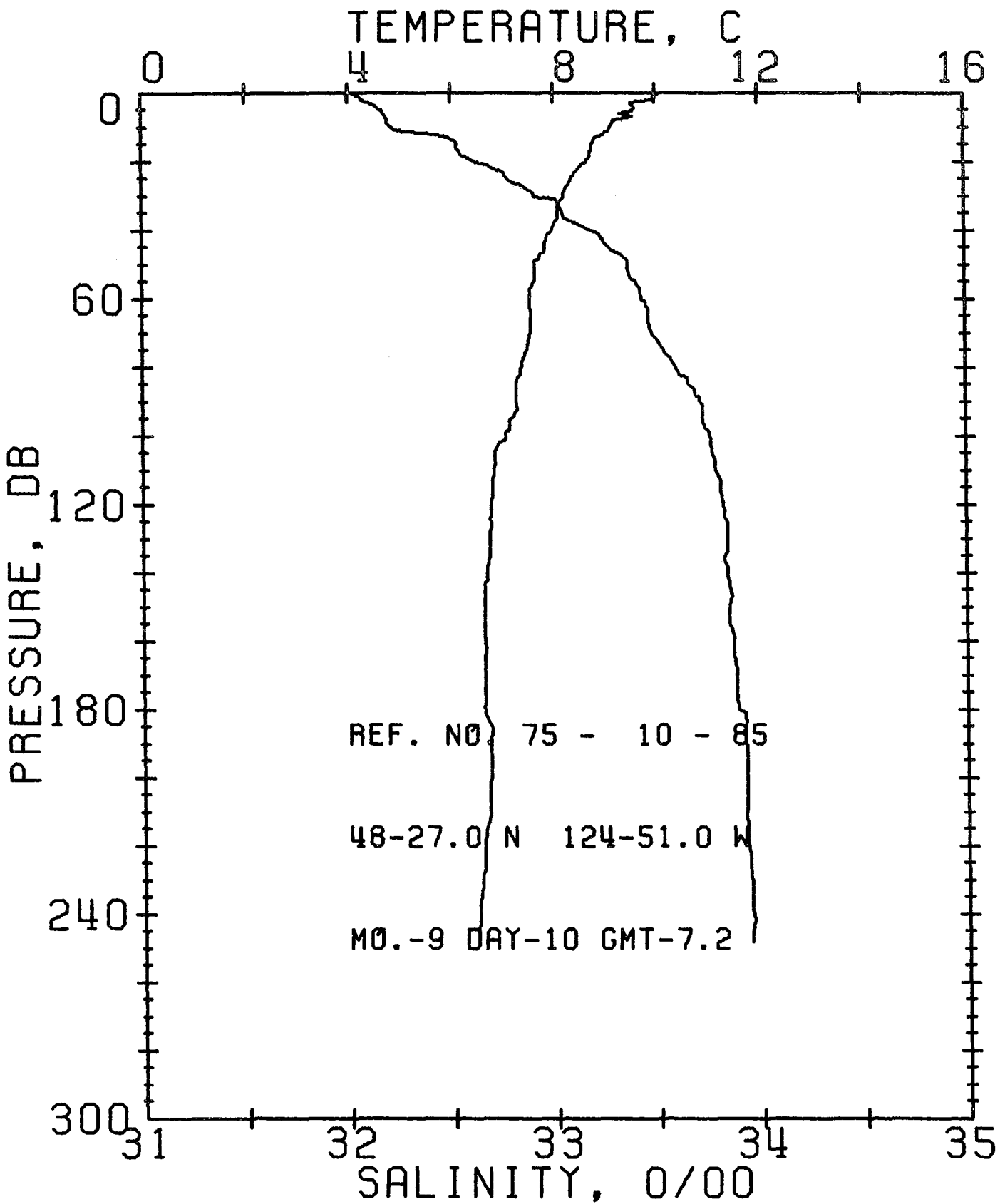
REFERENCE NO. 75-10- 84

DATE 10/ 9/75

POSITION 47-58.0N, 126- 0.0W GMT 2.0

RESULTS OF STP CAST 240 POINTS TAKEN FROM ANALGG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 13.46 | 31.69 | 0 | 23.77 | 414.3 | 0.0 | 0.0 | 1498. |
| 10 | 13.38 | 31.70 | 10 | 23.79 | 412.5 | 0.41 | 0.02 | 1498. |
| 20 | 11.92 | 32.14 | 20 | 24.41 | 353.6 | 0.81 | 0.08 | 1494. |
| 30 | 8.58 | 32.41 | 30 | 25.18 | 280.2 | 1.12 | 0.16 | 1482. |
| 50 | 7.25 | 32.60 | 50 | 25.52 | 248.1 | 1.64 | 0.37 | 1478. |
| 75 | 7.17 | 33.03 | 75 | 25.87 | 215.3 | 2.22 | 0.74 | 1478. |
| 100 | 7.41 | 33.44 | 99 | 26.16 | 188.5 | 2.72 | 1.18 | 1480. |
| 125 | 7.38 | 33.73 | 124 | 26.39 | 166.7 | 3.16 | 1.69 | 1481. |
| 150 | 7.04 | 33.86 | 149 | 26.54 | 152.6 | 3.56 | 2.24 | 1480. |
| 175 | 6.79 | 33.92 | 174 | 26.62 | 145.7 | 3.93 | 2.86 | 1480. |
| 200 | 6.48 | 33.93 | 199 | 26.67 | 141.0 | 4.29 | 3.54 | 1479. |
| 225 | 6.13 | 33.94 | 223 | 26.73 | 135.8 | 4.64 | 4.29 | 1478. |
| 250 | 5.97 | 33.98 | 248 | 26.78 | 131.0 | 4.97 | 5.10 | 1478. |
| 300 | 5.64 | 34.02 | 298 | 26.85 | 125.1 | 5.61 | 6.89 | 1477. |
| 400 | 5.14 | 34.07 | 397 | 26.95 | 116.5 | 6.82 | 11.22 | 1477. |
| 500 | 4.76 | 34.13 | 496 | 27.04 | 108.1 | 7.95 | 16.37 | 1477. |
| 600 | 4.47 | 34.20 | 595 | 27.13 | 100.8 | 8.99 | 22.21 | 1478. |
| 800 | 3.98 | 34.34 | 793 | 27.29 | 86.7 | 10.85 | 35.45 | 1479. |
| 1000 | 3.46 | 34.42 | 991 | 27.40 | 76.4 | 12.50 | 50.51 | 1480. |
| 1200 | 3.08 | 34.47 | 1188 | 27.48 | 69.3 | 13.94 | 66.68 | 1482. |



OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 75-10- 85

DATE 10/ 9/75

POSITION 48-27.0N, 124-51.0W GMT 7.2

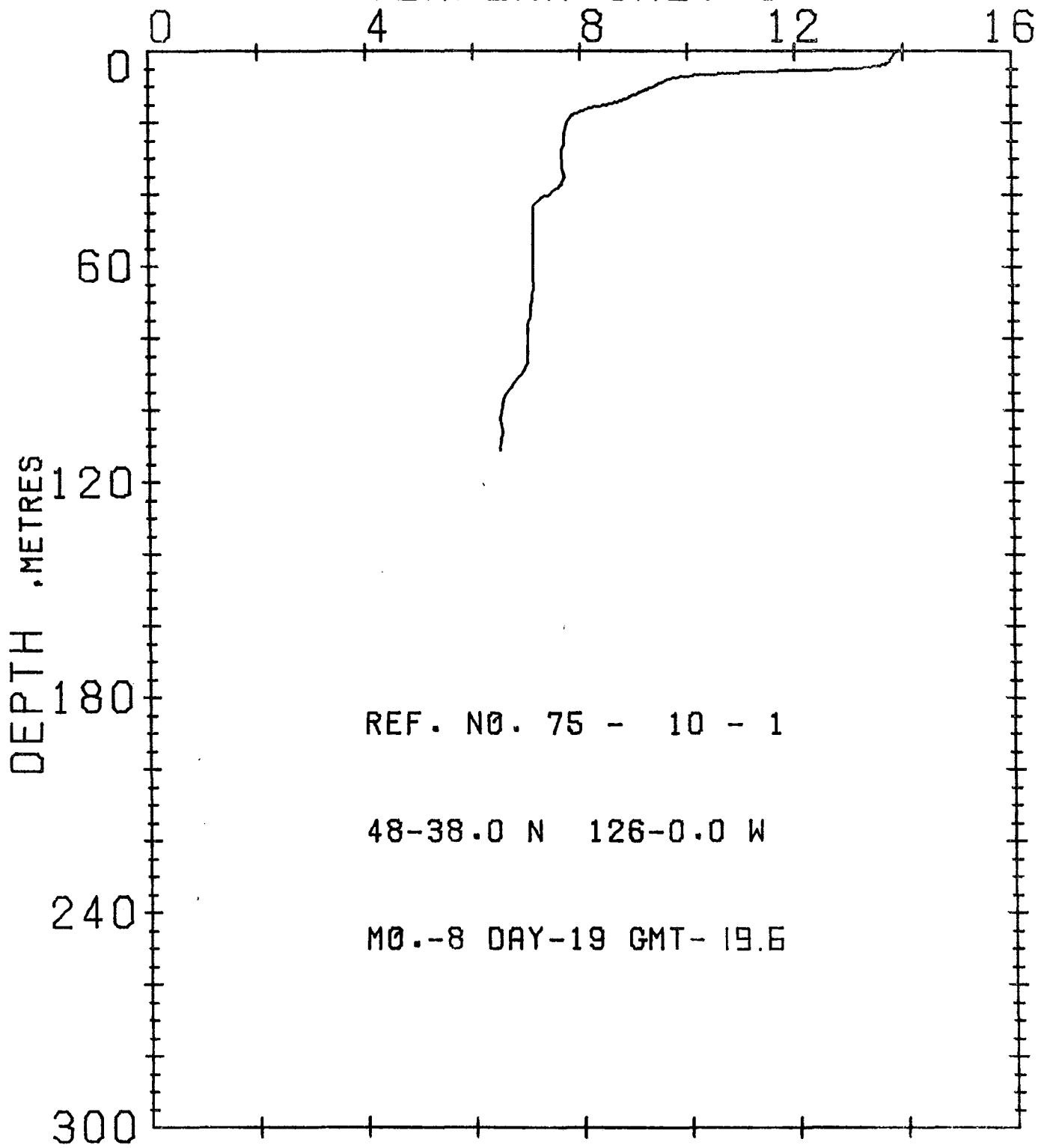
RESULTS OF STP CAST 159 POINTS TAKEN FROM ANALOG TRACE

| PRESS | TEMP | SAL | DEPTH | SIGMA T | SVA | DELTA D | POT. EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0 | 10.11 | 32.02 | 0 | 24.63 | 331.6 | 0.0 | 0.0 | 1487. |
| 10 | 9.12 | 32.21 | 10 | 24.94 | 302.6 | 0.31 | 0.02 | 1484. |
| 20 | 8.65 | 32.62 | 20 | 25.33 | 265.4 | 0.59 | 0.06 | 1483. |
| 30 | 8.19 | 32.90 | 30 | 25.62 | 238.2 | 0.84 | 0.12 | 1481. |
| 50 | 7.62 | 33.36 | 50 | 26.07 | 196.3 | 1.27 | 0.29 | 1480. |
| 75 | 7.44 | 33.53 | 75 | 26.23 | 181.3 | 1.74 | 0.60 | 1480. |
| 100 | 7.04 | 33.75 | 99 | 26.45 | 160.3 | 2.17 | 0.97 | 1479. |
| 125 | 6.74 | 33.84 | 124 | 26.56 | 150.0 | 2.55 | 1.41 | 1479. |
| 150 | 6.62 | 33.85 | 149 | 26.59 | 148.0 | 2.92 | 1.93 | 1478. |
| 175 | 6.61 | 33.88 | 174 | 26.61 | 146.0 | 3.29 | 2.54 | 1479. |
| 200 | 6.70 | 33.93 | 199 | 26.64 | 143.9 | 3.65 | 3.23 | 1480. |
| 225 | 6.59 | 33.94 | 223 | 26.66 | 142.0 | 4.01 | 4.01 | 1480. |

THIS PAGE IS BLANK

RESULTS OF XBT OBSERVATIONS

TEMPERATURE, C



REF. NO. 75 - 10 - 1

48-38.0 N 126-0.0 W

MO.-8 DAY-19 GMT-19.6

OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 1

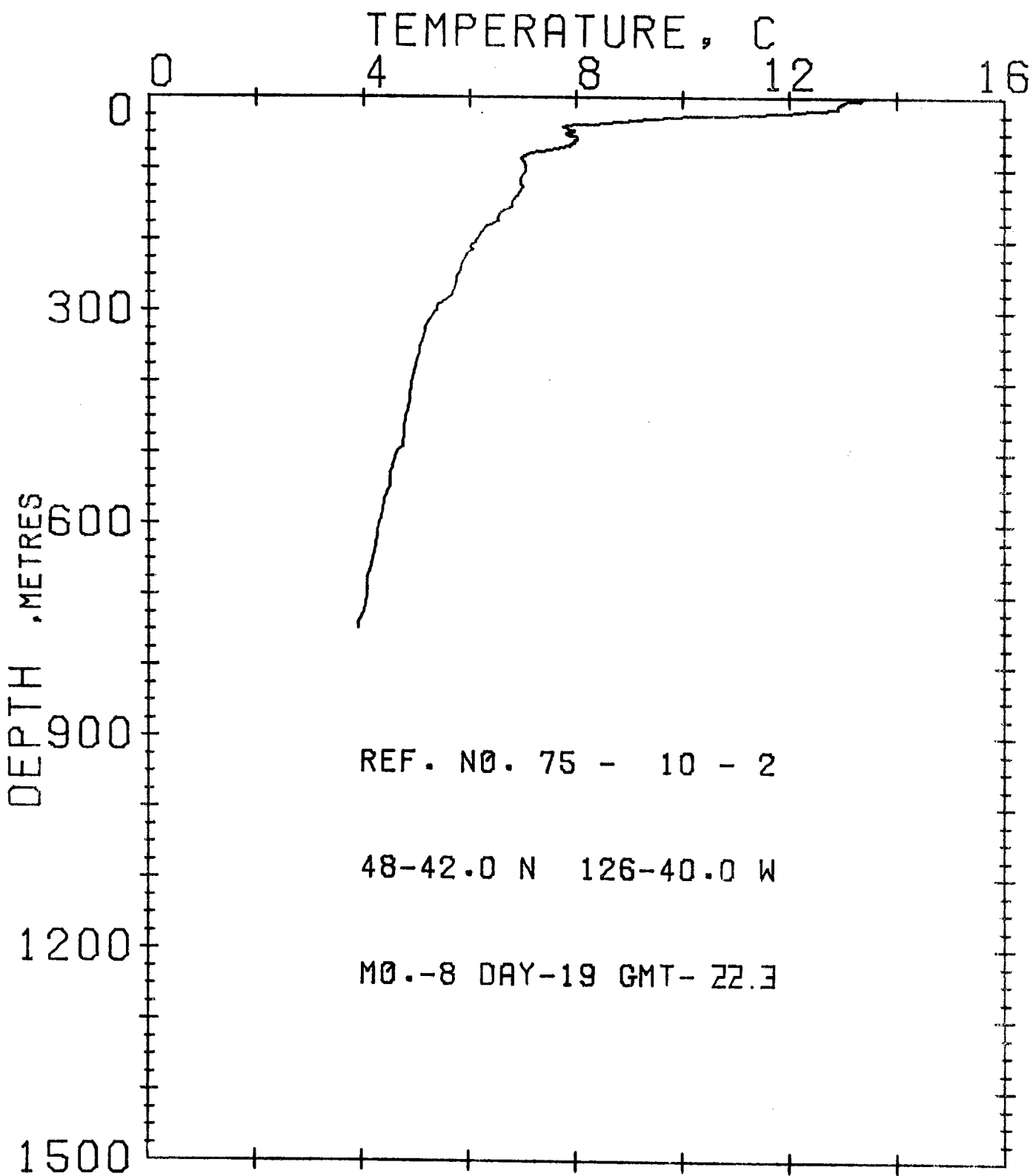
DATE 19/ 8/75

POSITION 48-38.0N 126- 0.0W

GMT 19.6

RESULTS OF XBT CAST 38 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 13.93 | 20 | 7.76 | 72 | 7.07 |
| 1 | 13.83 | 23 | 7.71 | 74 | 7.07 |
| 3 | 13.77 | 26 | 7.71 | 76 | 7.01 |
| 4 | 13.67 | 28 | 7.65 | 82 | 7.01 |
| 5 | 13.21 | 33 | 7.65 | 87 | 7.01 |
| 6 | 11.21 | 35 | 7.71 | 89 | 6.96 |
| 7 | 9.92 | 37 | 7.65 | 93 | 6.75 |
| 8 | 9.66 | 40 | 7.44 | 96 | 6.59 |
| 11 | 9.24 | 41 | 7.28 | 99 | 6.53 |
| 14 | 8.77 | 43 | 7.12 | 103 | 6.48 |
| 15 | 8.50 | 46 | 7.12 | 106 | 6.53 |
| 16 | 8.19 | 52 | 7.12 | 111 | 6.48 |
| 18 | 7.87 | 65 | 7.12 | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 2

DATE 19/ 8/75

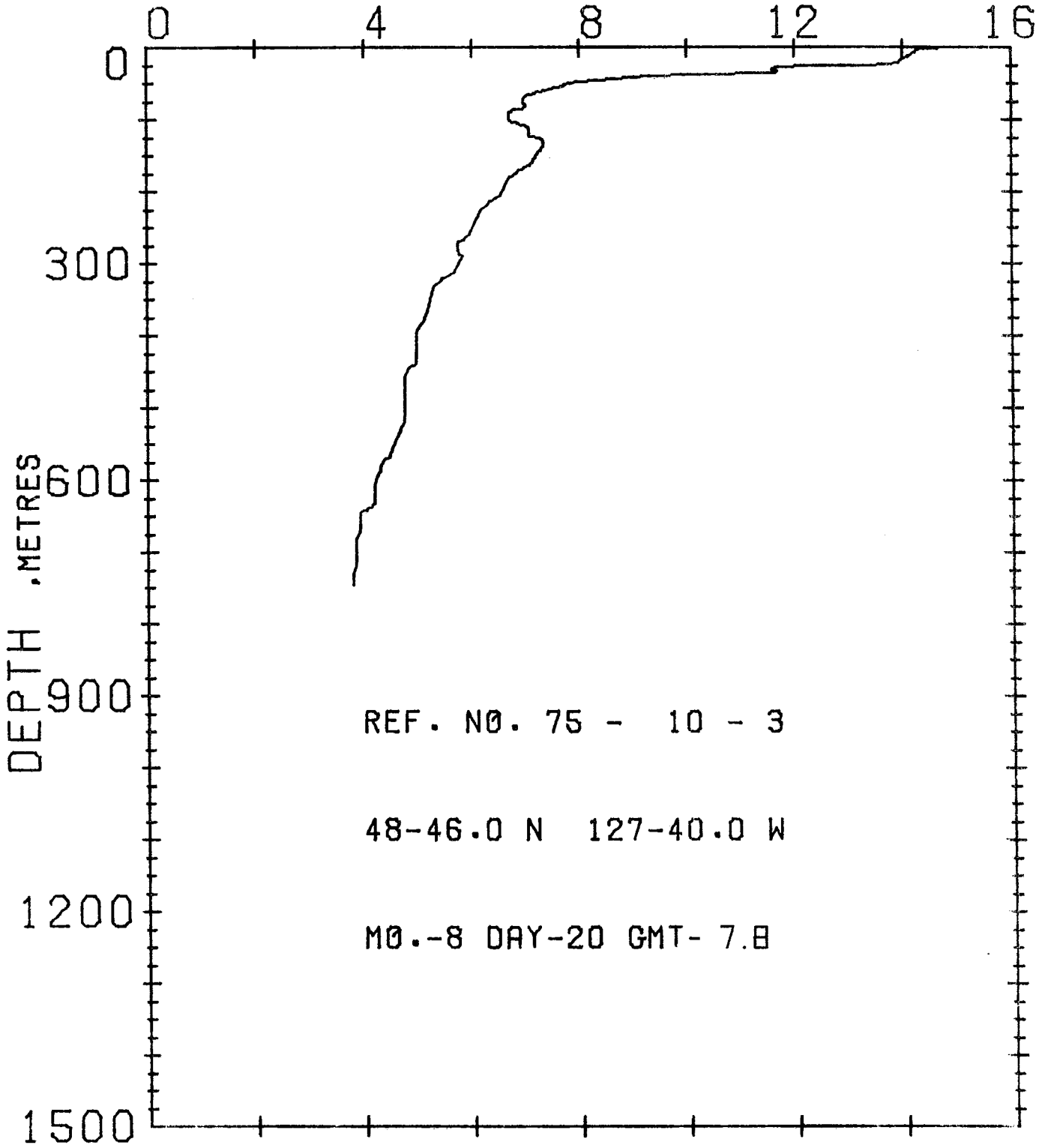
POSITION 48-42.0N 120-40.0W

GMT 22.3

RESULTS OF XBT CAST 113 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 13.42 | 59 | 8.03 | 233 | 5.88 |
| 3 | 13.37 | 61 | 7.97 | 243 | 5.83 |
| 4 | 13.32 | 63 | 7.97 | 252 | 5.77 |
| 5 | 13.11 | 65 | 7.97 | 260 | 5.77 |
| 7 | 13.01 | 66 | 7.92 | 268 | 5.72 |
| 10 | 12.96 | 68 | 7.87 | 278 | 5.67 |
| 12 | 12.91 | 70 | 7.76 | 287 | 5.50 |
| 16 | 12.91 | 73 | 7.65 | 295 | 5.39 |
| 17 | 12.80 | 74 | 7.55 | 301 | 5.39 |
| 18 | 12.70 | 76 | 7.34 | 303 | 5.34 |
| 19 | 12.45 | 79 | 7.18 | 307 | 5.34 |
| 20 | 12.19 | 81 | 7.07 | 316 | 5.23 |
| 21 | 11.98 | 84 | 7.01 | 325 | 5.18 |
| 22 | 11.73 | 87 | 6.96 | 330 | 5.13 |
| 23 | 11.42 | 90 | 7.01 | 344 | 5.12 |
| 25 | 10.70 | 96 | 7.07 | 349 | 5.07 |
| 26 | 10.59 | 99 | 7.07 | 360 | 5.07 |
| 27 | 10.23 | 105 | 7.07 | 368 | 5.01 |
| 29 | 9.81 | 114 | 6.96 | 389 | 4.96 |
| 30 | 9.50 | 122 | 6.96 | 403 | 4.90 |
| 31 | 9.34 | 127 | 7.01 | 441 | 4.85 |
| 32 | 9.19 | 131 | 6.96 | 447 | 4.79 |
| 34 | 8.82 | 137 | 6.91 | 492 | 4.74 |
| 35 | 8.55 | 142 | 6.85 | 501 | 4.63 |
| 37 | 8.34 | 148 | 6.80 | 521 | 4.57 |
| 38 | 8.03 | 154 | 6.80 | 529 | 4.52 |
| 40 | 7.87 | 156 | 6.75 | 548 | 4.52 |
| 41 | 7.76 | 159 | 6.64 | 569 | 4.41 |
| 43 | 7.76 | 162 | 6.59 | 594 | 4.35 |
| 46 | 7.87 | 168 | 6.53 | 601 | 4.30 |
| 47 | 7.97 | 174 | 6.53 | 629 | 4.24 |
| 48 | 7.97 | 178 | 6.42 | 668 | 4.13 |
| 50 | 7.92 | 182 | 6.32 | 673 | 4.07 |
| 51 | 7.81 | 192 | 6.21 | 699 | 4.07 |
| 52 | 7.81 | 204 | 6.10 | 723 | 4.02 |
| 54 | 7.87 | 209 | 5.99 | 741 | 3.91 |
| 55 | 7.97 | 214 | 6.05 | 747 | 3.91 |
| 56 | 8.03 | 223 | 5.94 | | |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 3

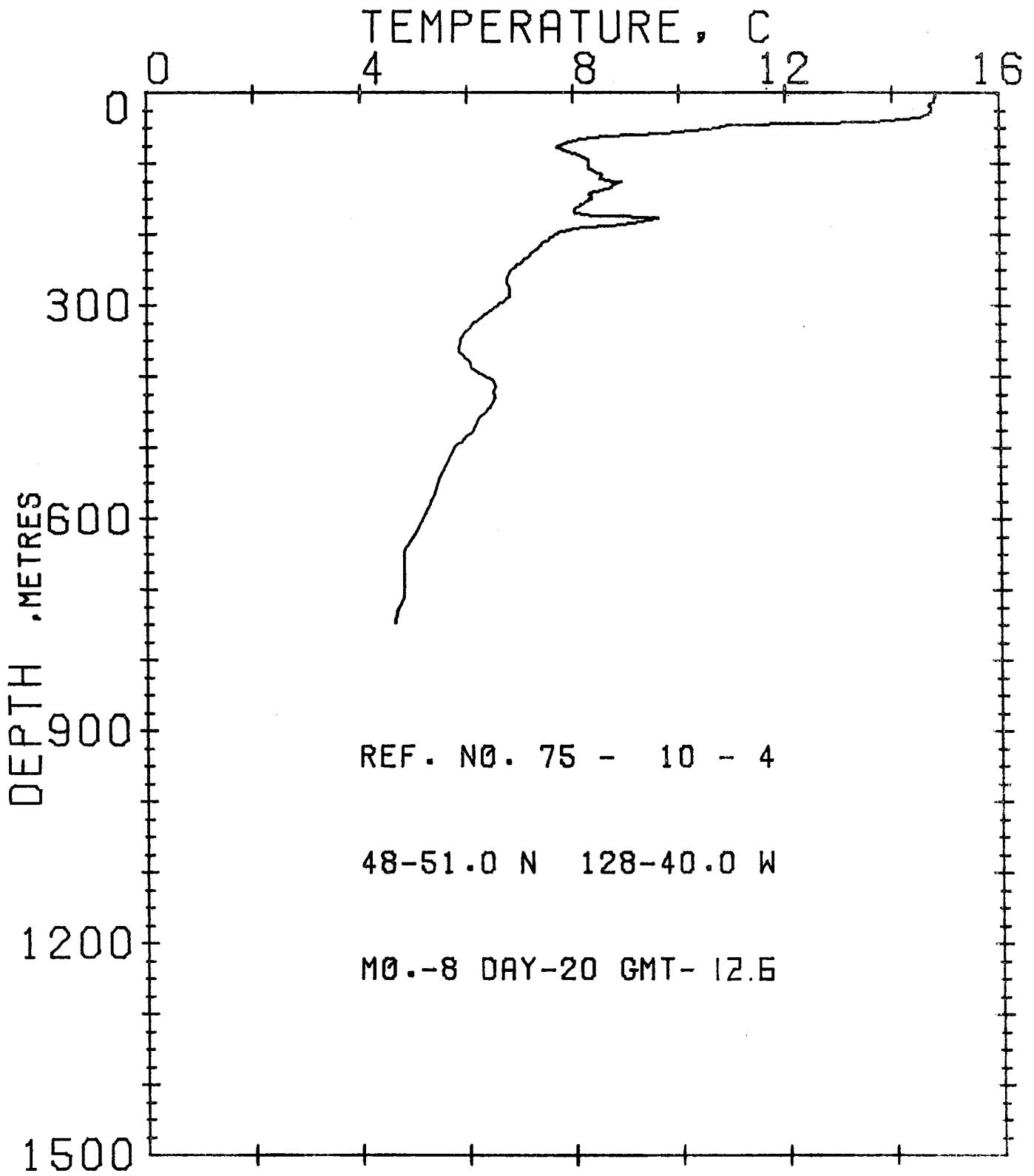
DATE 20/ 8/75

POSITION 48-46.0N 127-40.0W

GMT 7.8

RESULTS OF XBT CAST 101 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 14.64 | 91 | 6.69 | 335 | 5.28 |
| 2 | 14.33 | 96 | 6.69 | 366 | 5.18 |
| 6 | 14.23 | 99 | 6.69 | 378 | 5.12 |
| 14 | 14.08 | 102 | 6.69 | 391 | 5.01 |
| 19 | 13.98 | 107 | 6.85 | 397 | 4.90 |
| 22 | 13.93 | 110 | 7.01 | 422 | 4.90 |
| 24 | 13.77 | 113 | 7.07 | 437 | 4.90 |
| 25 | 13.26 | 120 | 7.07 | 448 | 4.79 |
| 26 | 12.86 | 124 | 7.07 | 458 | 4.74 |
| 27 | 12.19 | 126 | 7.23 | 480 | 4.74 |
| 28 | 11.83 | 129 | 7.34 | 517 | 4.74 |
| 29 | 11.68 | 132 | 7.34 | 532 | 4.68 |
| 30 | 11.62 | 138 | 7.34 | 547 | 4.57 |
| 32 | 11.57 | 144 | 7.28 | 568 | 4.46 |
| 33 | 11.62 | 149 | 7.23 | 574 | 4.35 |
| 34 | 11.68 | 153 | 7.18 | 583 | 4.30 |
| 35 | 11.62 | 159 | 7.12 | 588 | 4.30 |
| 38 | 10.18 | 164 | 7.07 | 593 | 4.24 |
| 40 | 9.29 | 167 | 6.96 | 609 | 4.16 |
| 44 | 8.66 | 173 | 6.85 | 612 | 4.16 |
| 49 | 8.03 | 182 | 6.69 | 631 | 4.18 |
| 50 | 7.81 | 190 | 6.64 | 636 | 4.15 |
| 54 | 7.71 | 206 | 6.53 | 641 | 4.02 |
| 56 | 7.50 | 216 | 6.32 | 644 | 3.91 |
| 63 | 7.16 | 228 | 6.15 | 663 | 3.91 |
| 67 | 7.01 | 243 | 6.05 | 671 | 3.91 |
| 71 | 6.96 | 260 | 5.94 | 681 | 3.85 |
| 76 | 6.96 | 269 | 5.83 | 693 | 3.85 |
| 76 | 6.96 | 273 | 5.72 | 705 | 3.85 |
| 80 | 7.01 | 282 | 5.72 | 713 | 3.85 |
| 83 | 7.01 | 287 | 5.77 | 720 | 3.85 |
| 85 | 6.96 | 290 | 5.83 | 731 | 3.80 |
| 87 | 6.80 | 313 | 5.67 | 746 | 3.80 |
| 90 | 6.75 | 321 | 5.45 | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 4

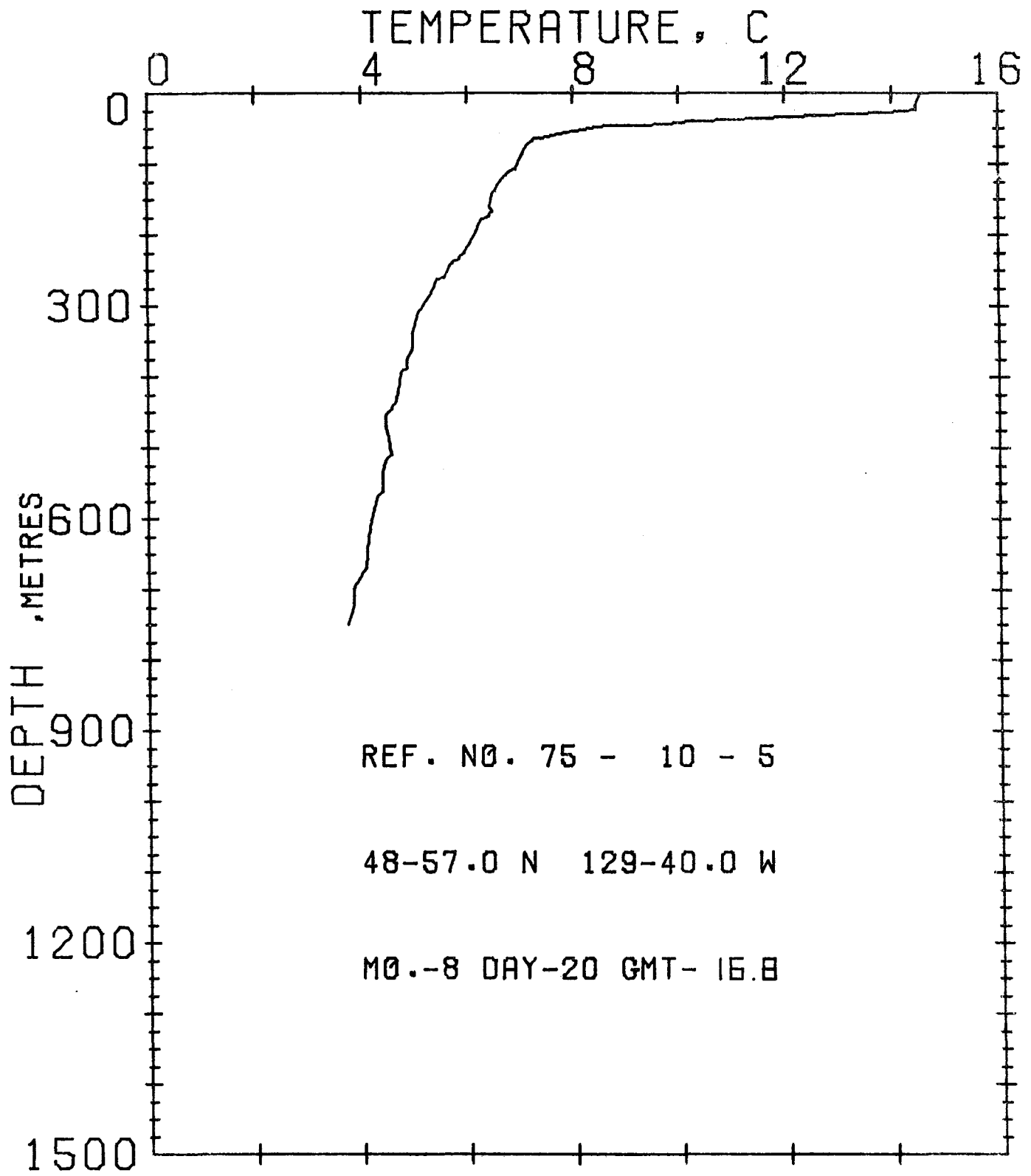
DATE 20/ 8/75

POSITION 48-51.0N 128-40.0W

GMT 12.6

RESULTS OF XBT CAST 100 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 14.84 | 103 | 8.29 | 246 | 6.91 |
| 6 | 14.84 | 108 | 8.29 | 253 | 6.80 |
| 7 | 14.84 | 112 | 8.40 | 261 | 6.75 |
| 9 | 14.79 | 116 | 8.55 | 269 | 6.75 |
| 11 | 14.79 | 122 | 8.50 | 279 | 6.80 |
| 13 | 14.79 | 124 | 8.61 | 288 | 6.80 |
| 15 | 14.74 | 126 | 8.71 | 301 | 6.59 |
| 16 | 14.74 | 127 | 8.92 | 325 | 6.10 |
| 18 | 14.69 | 130 | 8.77 | 348 | 5.88 |
| 20 | 14.69 | 134 | 8.71 | 366 | 5.83 |
| 22 | 14.74 | 137 | 8.55 | 374 | 5.94 |
| 24 | 14.74 | 142 | 8.34 | 381 | 6.05 |
| 26 | 14.74 | 144 | 8.29 | 389 | 6.05 |
| 27 | 14.74 | 146 | 8.34 | 396 | 6.21 |
| 29 | 14.74 | 150 | 8.34 | 406 | 6.48 |
| 31 | 14.69 | 152 | 8.29 | 415 | 6.53 |
| 32 | 14.69 | 159 | 8.13 | 423 | 6.48 |
| 33 | 14.64 | 165 | 8.03 | 430 | 6.53 |
| 34 | 14.59 | 169 | 8.03 | 445 | 6.42 |
| 35 | 14.54 | 170 | 8.03 | 460 | 6.21 |
| 36 | 14.49 | 173 | 8.34 | 475 | 6.10 |
| 41 | 13.62 | 174 | 8.87 | 488 | 5.94 |
| 44 | 12.45 | 175 | 9.29 | 499 | 5.77 |
| 47 | 10.95 | 176 | 9.55 | 512 | 5.67 |
| 51 | 10.75 | 178 | 9.60 | 540 | 5.50 |
| 57 | 9.71 | 183 | 9.29 | 565 | 5.39 |
| 62 | 8.61 | 187 | 8.71 | 592 | 5.23 |
| 66 | 8.13 | 190 | 8.19 | 622 | 5.01 |
| 71 | 7.87 | 193 | 7.92 | 646 | 4.79 |
| 75 | 7.76 | 198 | 7.71 | 678 | 4.79 |
| 78 | 7.71 | 207 | 7.55 | 713 | 4.79 |
| 82 | 7.81 | 217 | 7.39 | 733 | 4.68 |
| 88 | 8.08 | 230 | 7.18 | 747 | 4.63 |
| 96 | 8.29 | | | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 5

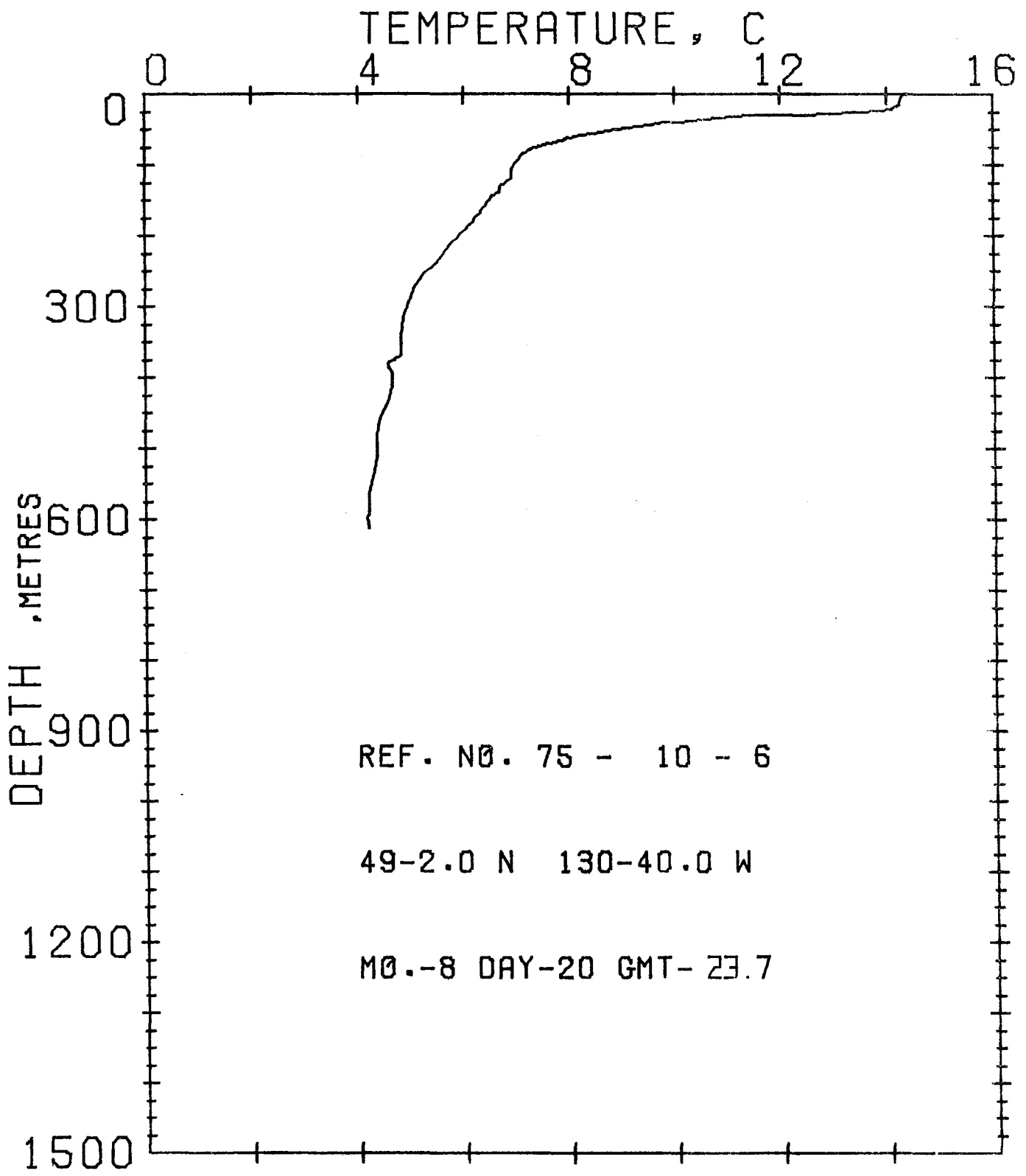
DATE 20/ 8/75

POSITION 48-57.0N 129-40.0W

GMT 16.8

RESULTS OF XBT CAST 73 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 14.59 | 108 | 6.91 | 311 | 5.07 |
| 3 | 14.54 | 112 | 6.80 | 337 | 4.90 |
| 11 | 14.49 | 115 | 6.75 | 361 | 4.90 |
| 19 | 14.44 | 121 | 6.69 | 376 | 4.85 |
| 22 | 14.44 | 129 | 6.59 | 388 | 4.85 |
| 24 | 14.44 | 138 | 6.53 | 393 | 4.74 |
| 26 | 14.23 | 142 | 6.48 | 434 | 4.68 |
| 29 | 13.88 | 163 | 6.42 | 446 | 4.57 |
| 33 | 12.65 | 166 | 6.48 | 454 | 4.40 |
| 37 | 10.95 | 167 | 6.48 | 470 | 4.40 |
| 39 | 10.49 | 170 | 6.42 | 485 | 4.52 |
| 40 | 10.23 | 172 | 6.42 | 510 | 4.57 |
| 44 | 9.76 | 174 | 6.42 | 518 | 4.46 |
| 46 | 9.34 | 177 | 6.37 | 536 | 4.41 |
| 47 | 8.71 | 180 | 6.26 | 561 | 4.41 |
| 49 | 8.45 | 189 | 6.21 | 571 | 4.30 |
| 52 | 8.24 | 206 | 6.10 | 589 | 4.24 |
| 55 | 8.03 | 226 | 5.94 | 603 | 4.10 |
| 57 | 7.76 | 233 | 5.83 | 625 | 4.13 |
| 63 | 7.44 | 240 | 5.72 | 671 | 4.07 |
| 65 | 7.28 | 244 | 5.67 | 698 | 3.85 |
| 69 | 7.23 | 259 | 5.56 | 722 | 3.85 |
| 75 | 7.12 | 263 | 5.45 | 739 | 3.80 |
| 86 | 7.07 | 262 | 5.34 | 749 | 3.74 |
| 99 | 6.96 | | | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 6

DATE 20/ 8/75

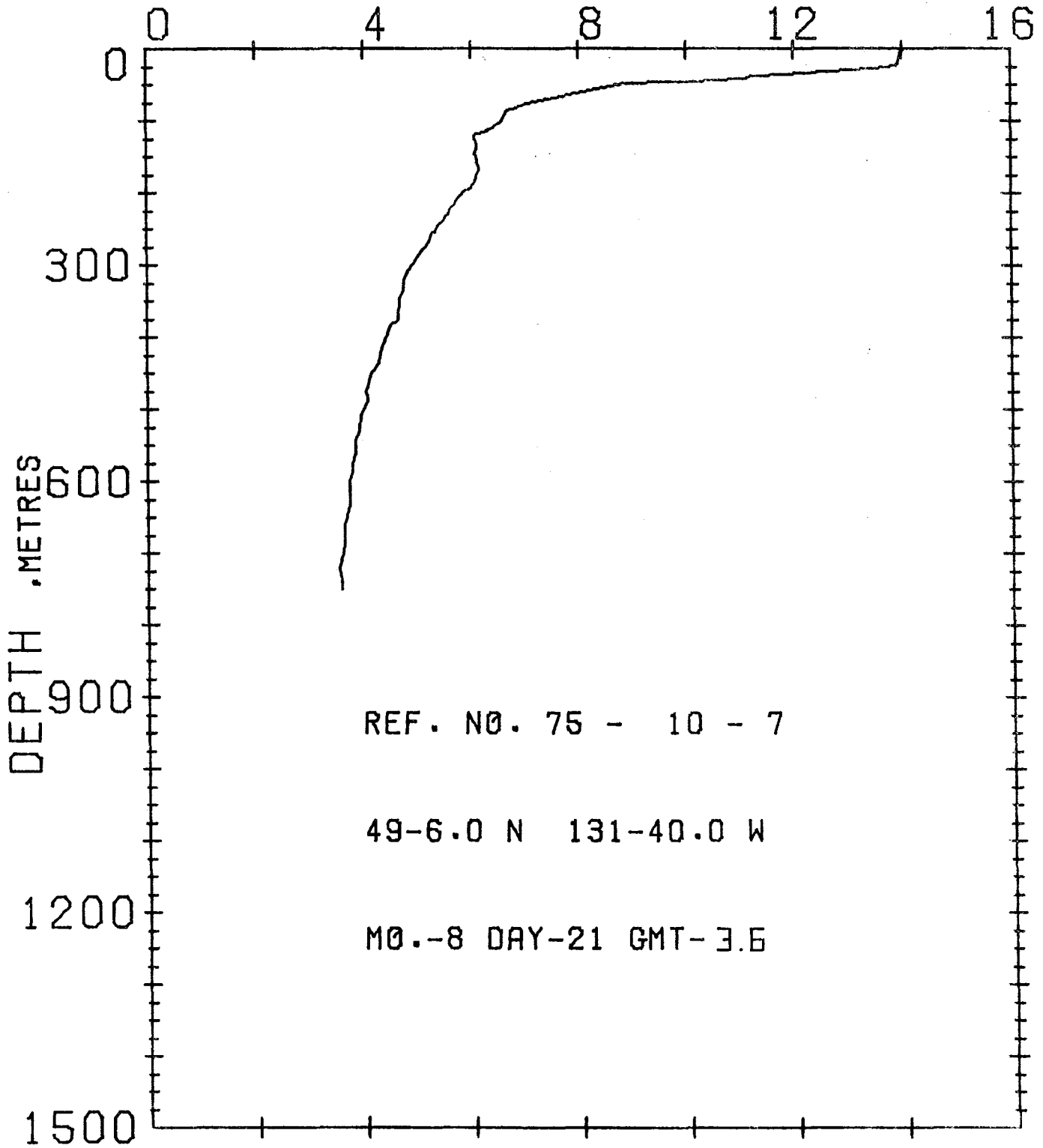
POSITION 49- 2.0N 130-40.0W

GMT 23.7

RESULTS OF XBT CAST 57 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 14.30 | 58 | 8.24 | 345 | 4.79 |
| 1 | 14.33 | 63 | 7.92 | 369 | 4.79 |
| 7 | 14.28 | 67 | 7.76 | 376 | 4.68 |
| 15 | 14.23 | 71 | 7.55 | 380 | 4.57 |
| 19 | 14.18 | 77 | 7.28 | 386 | 4.57 |
| 22 | 14.08 | 86 | 7.12 | 395 | 4.63 |
| 23 | 13.93 | 107 | 6.91 | 411 | 4.63 |
| 25 | 13.42 | 121 | 6.91 | 436 | 4.57 |
| 28 | 12.91 | 133 | 6.69 | 449 | 4.40 |
| 30 | 12.45 | 137 | 6.69 | 459 | 4.41 |
| 31 | 11.42 | 145 | 6.53 | 482 | 4.35 |
| 34 | 10.80 | 169 | 6.32 | 513 | 4.35 |
| 39 | 10.07 | 191 | 6.05 | 531 | 4.30 |
| 40 | 9.81 | 213 | 5.77 | 549 | 4.24 |
| 45 | 9.55 | 237 | 5.50 | 565 | 4.18 |
| 47 | 9.34 | 255 | 5.23 | 587 | 4.18 |
| 48 | 9.13 | 273 | 5.07 | 593 | 4.18 |
| 50 | 8.87 | 294 | 4.96 | 598 | 4.13 |
| 53 | 8.61 | 317 | 4.85 | 611 | 4.16 |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 7

DATE 21/ 8/75

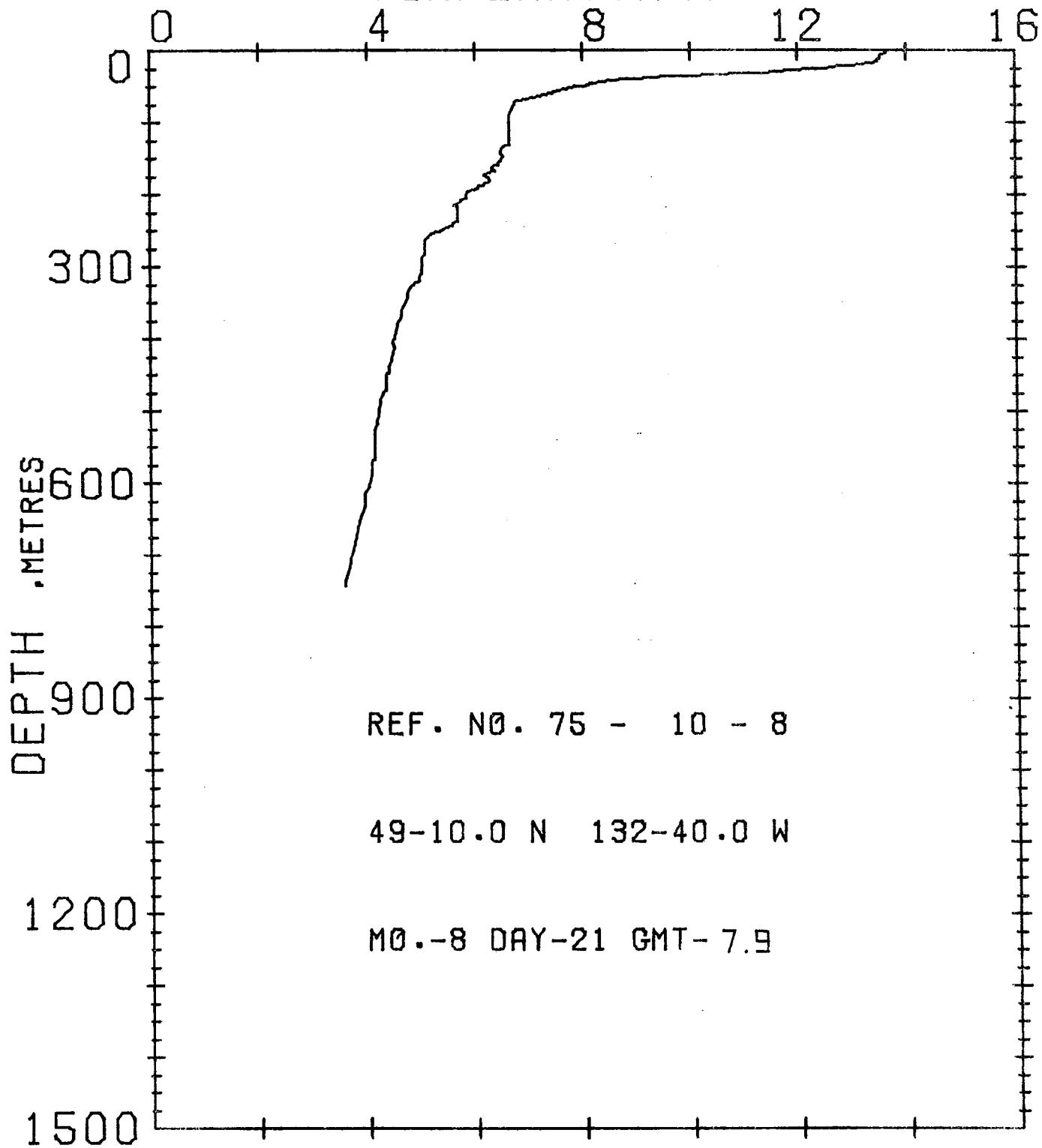
POSITION 49- 6.0N 131-40.0W

GMT 3.6

RESULTS OF XBT CAST 69 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 2 | 14.03 | 140 | 6.10 | 406 | 4.41 |
| 6 | 13.98 | 147 | 6.05 | 414 | 4.35 |
| 21 | 13.93 | 152 | 6.10 | 435 | 4.30 |
| 24 | 13.88 | 158 | 6.10 | 454 | 4.13 |
| 26 | 13.77 | 167 | 6.15 | 467 | 4.07 |
| 31 | 13.06 | 178 | 6.10 | 476 | 4.02 |
| 37 | 11.32 | 193 | 5.99 | 488 | 4.07 |
| 38 | 11.21 | 197 | 5.94 | 509 | 3.90 |
| 41 | 11.11 | 199 | 5.88 | 529 | 3.91 |
| 42 | 11.01 | 226 | 5.61 | 544 | 3.85 |
| 46 | 10.13 | 230 | 5.56 | 563 | 3.85 |
| 47 | 9.71 | 247 | 5.39 | 576 | 3.80 |
| 48 | 8.87 | 253 | 5.34 | 588 | 3.80 |
| 66 | 7.71 | 255 | 5.28 | 600 | 3.74 |
| 76 | 7.07 | 269 | 5.23 | 612 | 3.74 |
| 82 | 6.85 | 289 | 5.01 | 632 | 3.74 |
| 87 | 6.69 | 305 | 4.85 | 650 | 3.66 |
| 100 | 6.59 | 320 | 4.74 | 661 | 3.63 |
| 109 | 6.42 | 333 | 4.74 | 688 | 3.63 |
| 117 | 6.15 | 346 | 4.68 | 710 | 3.57 |
| 121 | 6.05 | 376 | 4.63 | 722 | 3.52 |
| 125 | 6.05 | 384 | 4.52 | 740 | 3.57 |
| 132 | 6.10 | 397 | 4.46 | 749 | 3.57 |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 8

DATE 21/ 8/75

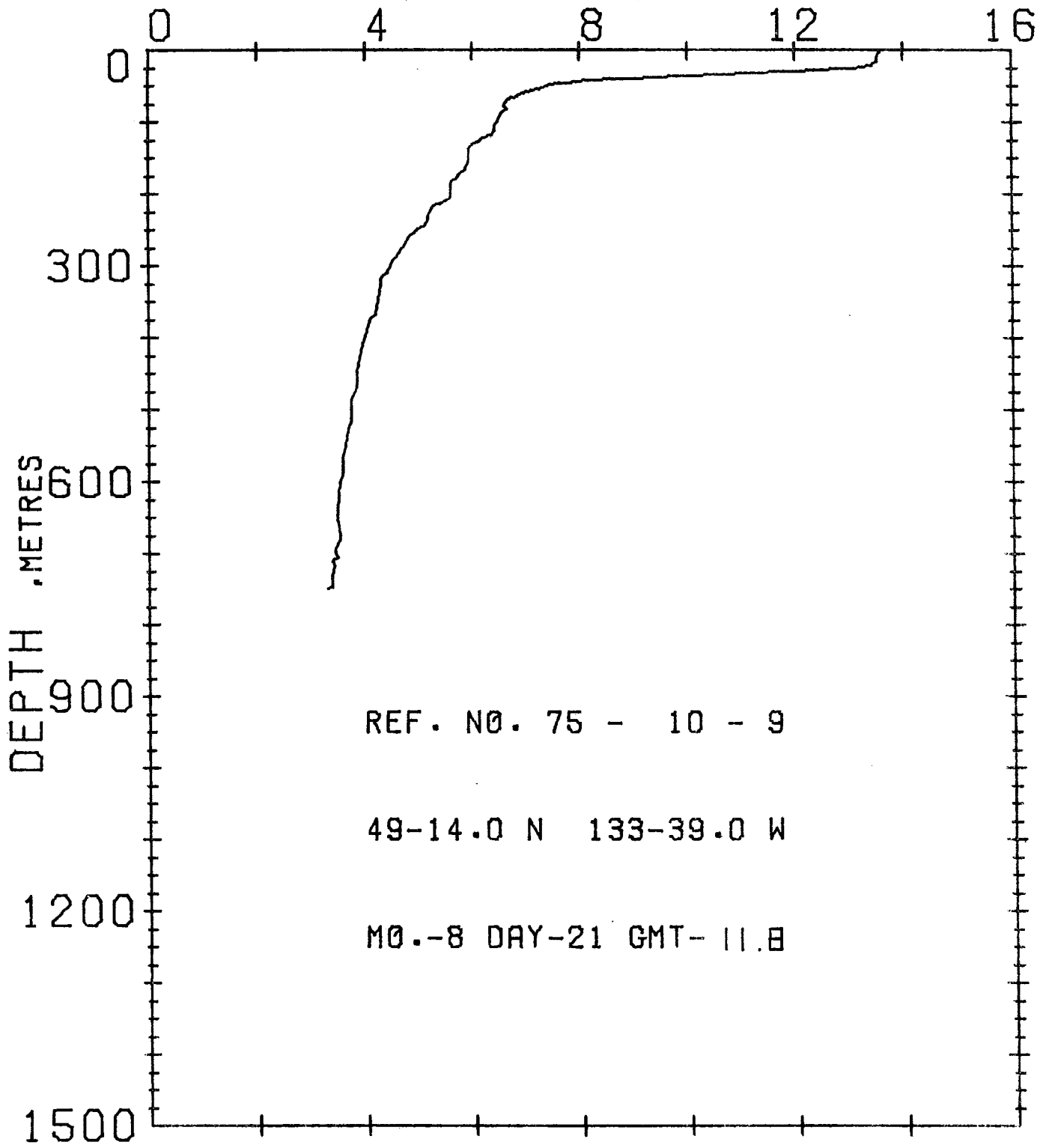
POSITION 49-10.0N 132-40.0W

GMT 7.9

RESULTS OF XBT CAST 129 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 2 | 13.62 | 107 | 6.64 | 264 | 5.07 |
| 3 | 13.62 | 122 | 6.64 | 276 | 5.07 |
| 4 | 13.62 | 131 | 6.64 | 283 | 5.07 |
| 7 | 13.52 | 135 | 6.53 | 289 | 5.01 |
| 11 | 13.52 | 139 | 6.48 | 294 | 5.01 |
| 14 | 13.47 | 144 | 6.48 | 306 | 5.01 |
| 17 | 13.47 | 149 | 6.53 | 310 | 5.01 |
| 18 | 13.42 | 153 | 6.48 | 315 | 4.96 |
| 19 | 13.32 | 154 | 6.48 | 320 | 4.96 |
| 20 | 13.16 | 158 | 6.42 | 325 | 4.85 |
| 21 | 13.01 | 159 | 6.42 | 330 | 4.79 |
| 22 | 12.80 | 163 | 6.32 | 336 | 4.74 |
| 24 | 12.65 | 166 | 6.32 | 345 | 4.74 |
| 25 | 12.50 | 167 | 6.37 | 359 | 4.63 |
| 27 | 12.34 | 169 | 6.37 | 368 | 4.63 |
| 29 | 11.86 | 171 | 6.26 | 382 | 4.57 |
| 31 | 11.62 | 173 | 6.15 | 400 | 4.52 |
| 32 | 11.32 | 175 | 6.21 | 406 | 4.40 |
| 33 | 10.95 | 179 | 6.26 | 413 | 4.52 |
| 34 | 10.54 | 183 | 6.26 | 430 | 4.46 |
| 35 | 9.86 | 187 | 6.15 | 439 | 4.41 |
| 36 | 9.66 | 188 | 6.10 | 447 | 4.41 |
| 37 | 9.29 | 189 | 6.05 | 450 | 4.35 |
| 39 | 8.98 | 192 | 6.05 | 453 | 4.35 |
| 40 | 8.82 | 193 | 5.99 | 472 | 4.35 |
| 42 | 8.55 | 197 | 5.88 | 477 | 4.30 |
| 44 | 8.40 | 201 | 5.83 | 485 | 4.24 |
| 46 | 8.19 | 205 | 5.83 | 518 | 4.16 |
| 48 | 8.13 | 208 | 5.77 | 527 | 4.13 |
| 50 | 8.08 | 210 | 5.72 | 546 | 4.13 |
| 51 | 7.87 | 215 | 5.61 | 567 | 4.13 |
| 53 | 7.71 | 217 | 5.67 | 571 | 4.07 |
| 56 | 7.55 | 227 | 5.67 | 588 | 4.07 |
| 60 | 7.44 | 234 | 5.67 | 607 | 4.02 |
| 62 | 7.34 | 237 | 5.67 | 615 | 3.96 |
| 64 | 7.23 | 241 | 5.61 | 633 | 3.96 |
| 68 | 6.98 | 244 | 5.56 | 654 | 3.85 |
| 71 | 6.75 | 246 | 5.50 | 694 | 3.74 |
| 75 | 6.75 | 250 | 5.39 | 706 | 3.68 |
| 83 | 6.69 | 252 | 5.34 | 713 | 3.66 |
| 90 | 6.64 | 254 | 5.23 | 727 | 3.63 |
| 99 | 6.64 | 256 | 5.14 | 739 | 3.57 |
| 102 | 6.64 | 260 | 5.12 | 745 | 3.57 |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 9

DATE 21/ 8/75

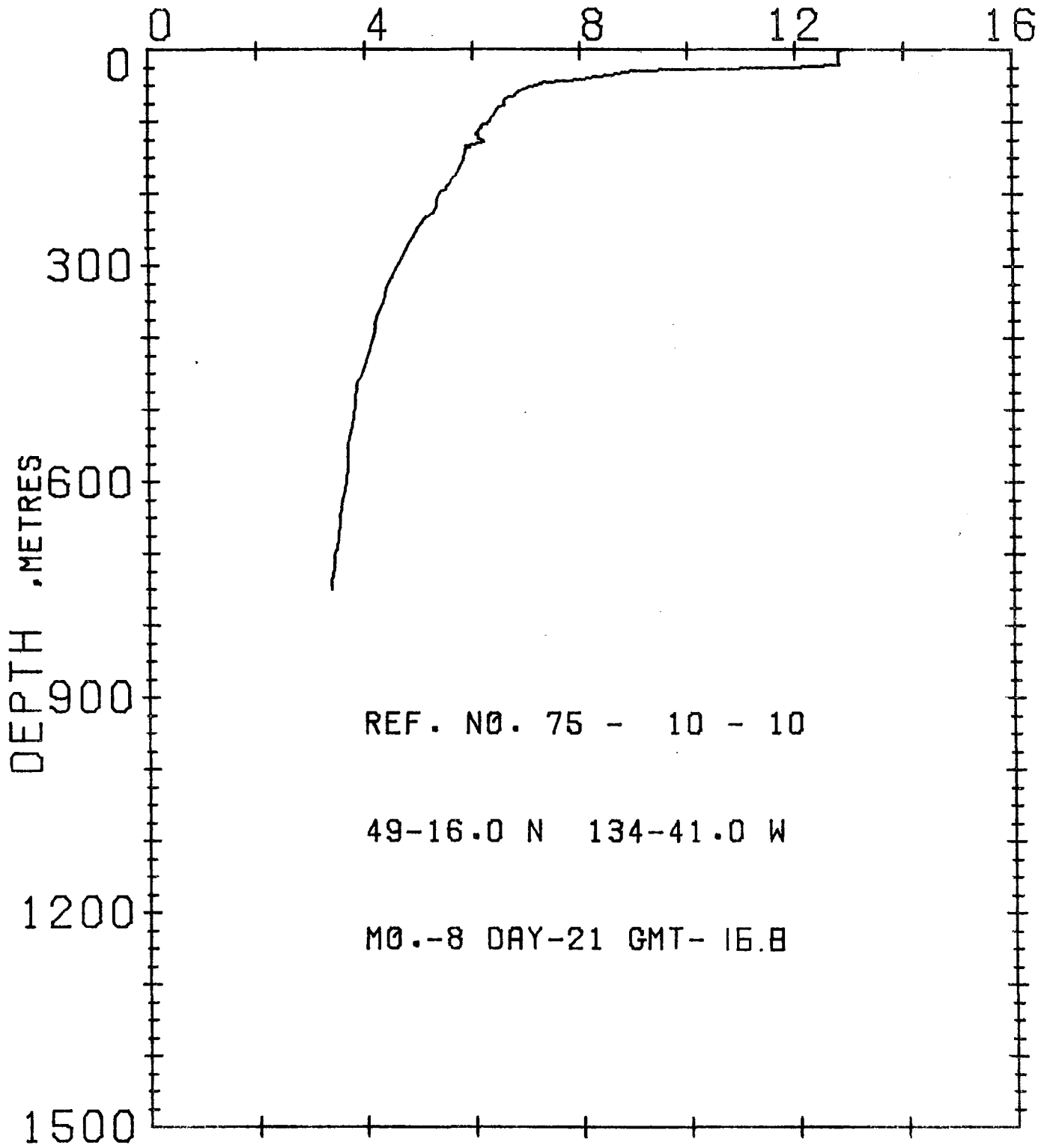
POSITION 49-14.0N 133-39.0W

GMT 11.8

RESULTS OF XBT CAST 97 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 2 | 13.57 | 90 | 6.53 | 318 | 4.30 |
| 5 | 13.57 | 99 | 6.48 | 325 | 4.30 |
| 10 | 13.52 | 105 | 6.42 | 348 | 4.24 |
| 14 | 13.52 | 112 | 6.42 | 369 | 4.16 |
| 17 | 13.52 | 117 | 6.37 | 375 | 4.07 |
| 22 | 13.42 | 121 | 6.26 | 379 | 4.07 |
| 24 | 13.26 | 127 | 6.15 | 410 | 3.96 |
| 26 | 13.06 | 133 | 5.99 | 447 | 3.85 |
| 27 | 12.80 | 136 | 5.94 | 471 | 3.85 |
| 28 | 12.50 | 148 | 5.94 | 485 | 3.74 |
| 29 | 12.34 | 154 | 5.94 | 509 | 3.74 |
| 30 | 12.09 | 165 | 5.88 | 518 | 3.74 |
| 31 | 11.78 | 174 | 5.77 | 526 | 3.66 |
| 32 | 11.26 | 177 | 5.72 | 551 | 3.63 |
| 33 | 11.06 | 184 | 5.61 | 569 | 3.57 |
| 34 | 10.75 | 196 | 5.61 | 592 | 3.57 |
| 36 | 9.81 | 203 | 5.61 | 599 | 3.52 |
| 38 | 9.50 | 207 | 5.56 | 641 | 3.46 |
| 39 | 8.87 | 210 | 5.50 | 649 | 3.46 |
| 40 | 8.61 | 214 | 5.39 | 652 | 3.46 |
| 41 | 8.29 | 216 | 5.28 | 675 | 3.52 |
| 43 | 8.13 | 222 | 5.23 | 683 | 3.52 |
| 46 | 7.81 | 231 | 5.18 | 688 | 3.46 |
| 47 | 7.60 | 236 | 5.18 | 698 | 3.41 |
| 50 | 7.39 | 243 | 5.12 | 705 | 3.46 |
| 53 | 7.28 | 249 | 4.96 | 711 | 3.35 |
| 56 | 7.12 | 254 | 4.90 | 717 | 3.41 |
| 60 | 6.96 | 261 | 4.79 | 733 | 3.35 |
| 64 | 6.85 | 270 | 4.74 | 739 | 3.35 |
| 69 | 6.69 | 282 | 4.63 | 742 | 3.35 |
| 73 | 6.64 | 294 | 4.52 | 747 | 3.35 |
| 78 | 6.59 | 309 | 4.41 | 749 | 3.29 |
| 82 | 6.64 | | | | |

TEMPERATURE, C



REF. NO. 75 - 10 - 10

49-16.0 N 134-41.0 W

MO.-8 DAY-21 GMT- 16.8

OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 10

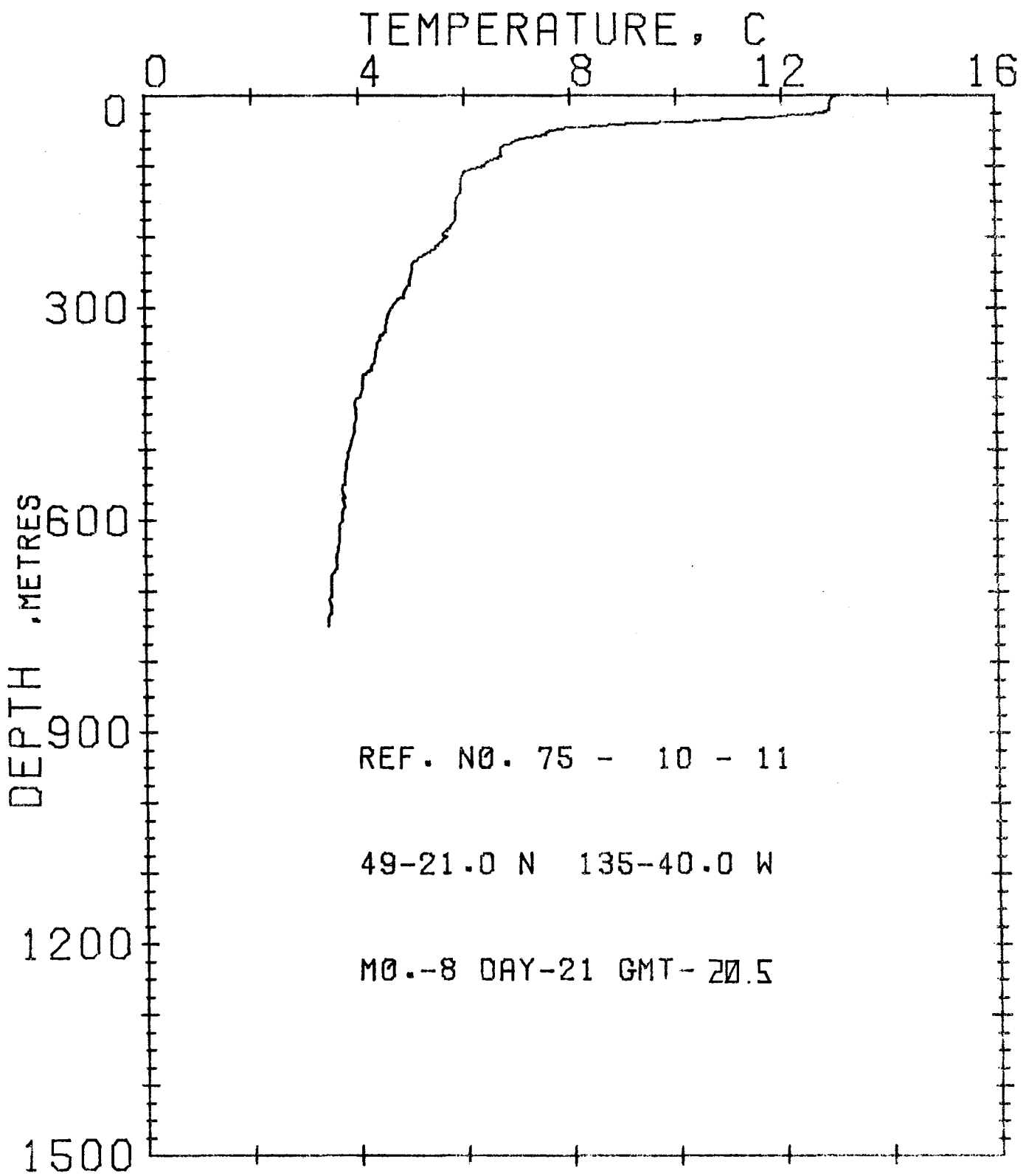
DATE 21/ 8/75

POSITION 49-16.0N 134-41.0W

GMT 16.8

RESULTS OF XBT CAST 82 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 12.86 | 103 | 6.26 | 307 | 4.57 |
| 5 | 12.80 | 106 | 6.15 | 316 | 4.52 |
| 16 | 12.80 | 109 | 6.15 | 322 | 4.46 |
| 21 | 12.80 | 114 | 6.10 | 330 | 4.41 |
| 22 | 12.70 | 117 | 6.05 | 352 | 4.35 |
| 24 | 12.34 | 119 | 6.10 | 367 | 4.24 |
| 25 | 11.93 | 123 | 6.10 | 380 | 4.18 |
| 27 | 11.37 | 128 | 6.21 | 386 | 4.18 |
| 28 | 10.59 | 130 | 6.15 | 392 | 4.18 |
| 29 | 9.71 | 132 | 6.05 | 421 | 4.07 |
| 30 | 9.24 | 135 | 5.88 | 452 | 3.96 |
| 31 | 9.03 | 136 | 5.94 | 464 | 3.85 |
| 32 | 8.82 | 137 | 5.88 | 512 | 3.80 |
| 35 | 8.61 | 155 | 5.83 | 551 | 3.68 |
| 38 | 8.29 | 176 | 5.67 | 562 | 3.68 |
| 41 | 8.08 | 183 | 5.61 | 582 | 3.68 |
| 45 | 7.71 | 193 | 5.50 | 611 | 3.63 |
| 47 | 7.59 | 200 | 5.39 | 625 | 3.57 |
| 48 | 7.28 | 208 | 5.34 | 647 | 3.52 |
| 54 | 7.01 | 219 | 5.34 | 659 | 3.52 |
| 61 | 6.85 | 225 | 5.28 | 695 | 3.46 |
| 64 | 6.80 | 233 | 5.12 | 700 | 3.41 |
| 67 | 6.64 | 241 | 5.07 | 720 | 3.41 |
| 71 | 6.59 | 250 | 4.96 | 740 | 3.35 |
| 76 | 6.59 | 260 | 4.90 | 745 | 3.35 |
| 79 | 6.59 | 265 | 4.85 | 748 | 3.35 |
| 83 | 6.48 | 296 | 4.63 | 749 | 3.35 |
| 100 | 6.32 | | | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 11

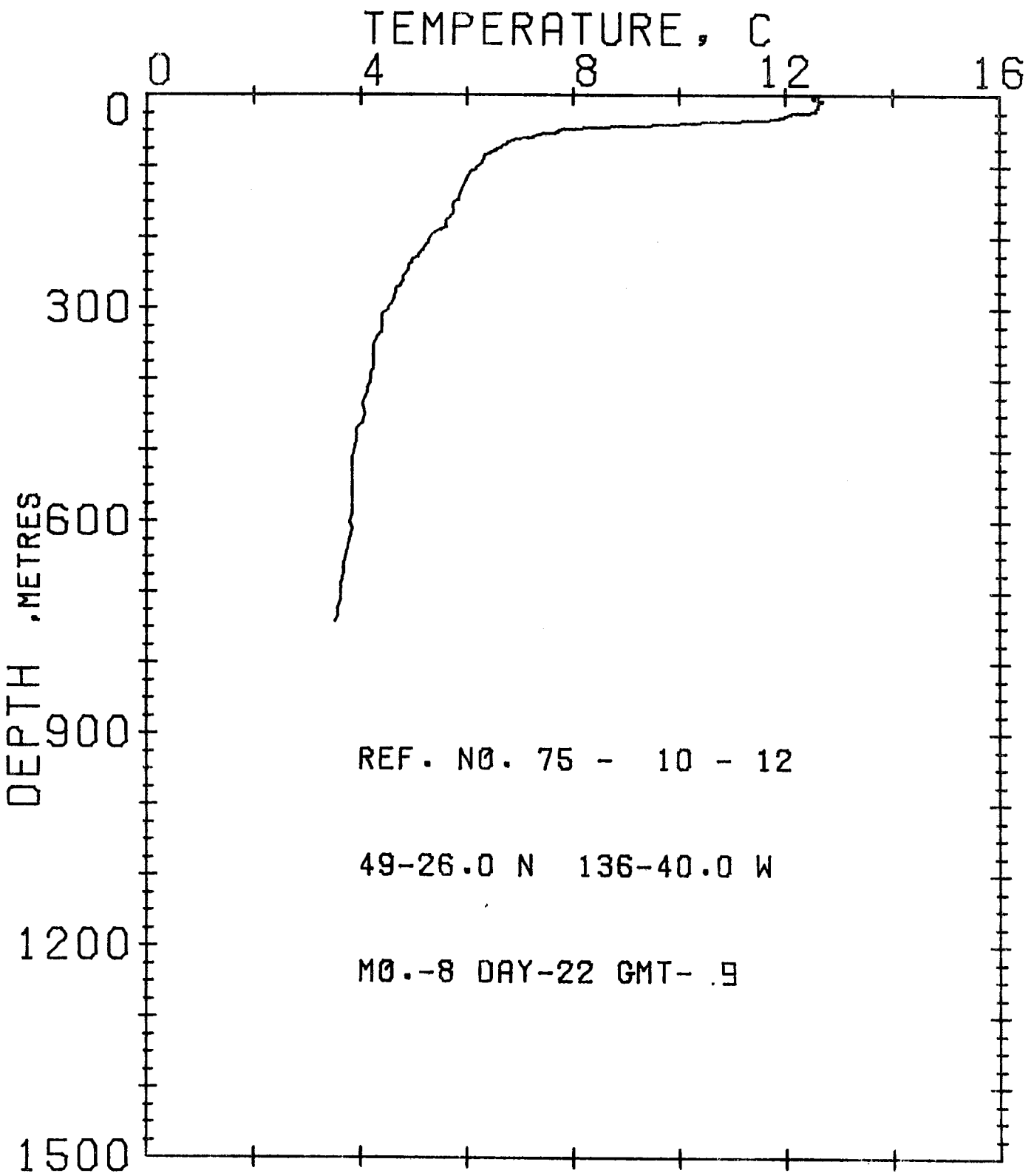
DATE 21/ 8/75

POSITION 49-21.0N 135-40.0W

GMT 20.5

RESULTS OF XBT CAST 137 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 13.01 | 132 | 5.94 | 396 | 4.07 |
| 5 | 12.96 | 137 | 5.94 | 397 | 4.07 |
| 11 | 12.91 | 145 | 5.83 | 401 | 4.07 |
| 19 | 12.91 | 151 | 5.83 | 409 | 4.07 |
| 22 | 12.91 | 167 | 5.83 | 414 | 4.07 |
| 24 | 12.86 | 177 | 5.83 | 426 | 4.02 |
| 26 | 12.80 | 184 | 5.77 | 430 | 3.96 |
| 27 | 12.70 | 187 | 5.72 | 435 | 3.91 |
| 28 | 12.55 | 191 | 5.67 | 445 | 3.96 |
| 29 | 12.29 | 192 | 5.67 | 451 | 3.96 |
| 31 | 11.96 | 193 | 5.61 | 475 | 3.91 |
| 32 | 11.78 | 195 | 5.61 | 506 | 3.80 |
| 33 | 11.47 | 198 | 5.61 | 539 | 3.74 |
| 34 | 11.21 | 201 | 5.67 | 545 | 3.74 |
| 35 | 10.54 | 203 | 5.61 | 549 | 3.74 |
| 37 | 10.18 | 205 | 5.61 | 551 | 3.68 |
| 38 | 9.81 | 207 | 5.56 | 558 | 3.68 |
| 39 | 9.60 | 212 | 5.50 | 562 | 3.68 |
| 40 | 9.29 | 215 | 5.45 | 567 | 3.74 |
| 42 | 8.92 | 221 | 5.34 | 571 | 3.68 |
| 44 | 8.55 | 223 | 5.34 | 582 | 3.74 |
| 46 | 8.24 | 226 | 5.23 | 589 | 3.68 |
| 47 | 8.03 | 232 | 5.12 | 592 | 3.68 |
| 48 | 7.87 | 239 | 5.01 | 598 | 3.68 |
| 50 | 7.65 | 248 | 5.01 | 602 | 3.68 |
| 52 | 7.60 | 261 | 4.96 | 605 | 3.63 |
| 54 | 7.55 | 269 | 4.96 | 607 | 3.63 |
| 56 | 7.55 | 273 | 4.90 | 612 | 3.63 |
| 57 | 7.44 | 280 | 4.85 | 628 | 3.63 |
| 59 | 7.28 | 286 | 4.85 | 653 | 3.57 |
| 62 | 7.07 | 289 | 4.74 | 663 | 3.57 |
| 67 | 6.91 | 300 | 4.63 | 669 | 3.57 |
| 73 | 6.75 | 310 | 4.57 | 673 | 3.52 |
| 76 | 6.69 | 325 | 4.52 | 678 | 3.46 |
| 82 | 6.69 | 333 | 4.52 | 685 | 3.46 |
| 85 | 6.69 | 338 | 4.46 | 698 | 3.46 |
| 87 | 6.69 | 341 | 4.41 | 708 | 3.46 |
| 90 | 6.64 | 346 | 4.41 | 712 | 3.41 |
| 93 | 6.53 | 349 | 4.35 | 720 | 3.46 |
| 96 | 6.42 | 352 | 4.35 | 731 | 3.46 |
| 99 | 6.37 | 377 | 4.30 | 739 | 3.41 |
| 101 | 6.32 | 382 | 4.24 | 741 | 3.41 |
| 104 | 6.21 | 387 | 4.24 | 744 | 3.41 |
| 107 | 6.10 | 388 | 4.24 | 747 | 3.41 |
| 110 | 5.99 | 391 | 4.18 | 749 | 3.41 |
| 120 | 5.94 | 395 | 4.13 | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 12

DATE 22/ 8/75

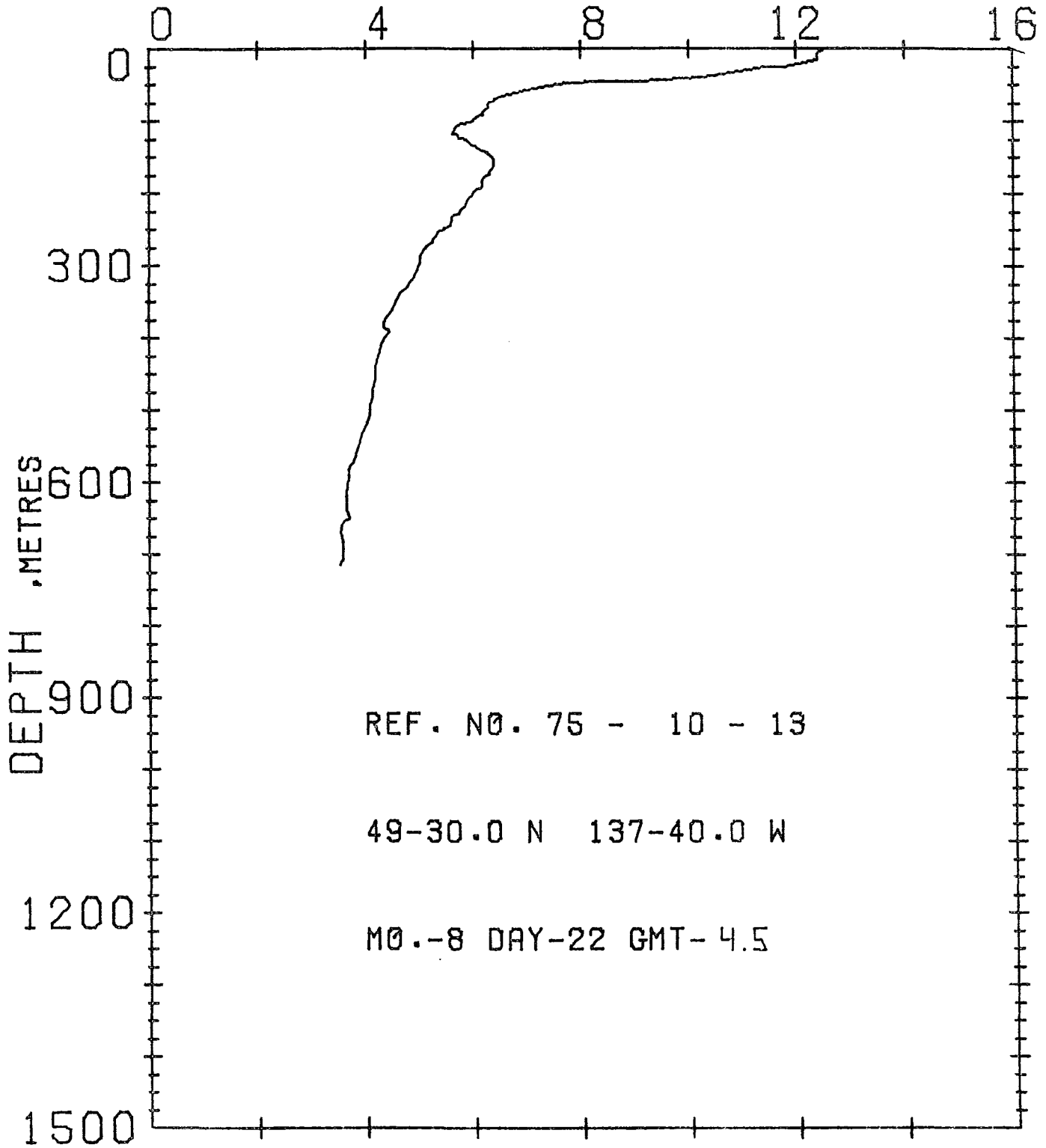
POSITION 49-26.0N 136-40.0W

GMT 0.9

RESULTS OF XBT CAST 119 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 12.65 | 77 | 6.53 | 282 | 4.63 |
| 1 | 12.60 | 82 | 6.42 | 286 | 4.63 |
| 5 | 12.50 | 87 | 6.32 | 302 | 4.52 |
| 6 | 12.50 | 91 | 6.32 | 310 | 4.41 |
| 8 | 12.60 | 97 | 6.26 | 314 | 4.41 |
| 9 | 12.70 | 104 | 6.15 | 324 | 4.41 |
| 10 | 12.70 | 110 | 6.05 | 330 | 4.41 |
| 11 | 12.65 | 117 | 5.99 | 334 | 4.41 |
| 14 | 12.60 | 121 | 5.99 | 339 | 4.35 |
| 19 | 12.60 | 138 | 5.88 | 344 | 4.30 |
| 21 | 12.55 | 149 | 5.83 | 352 | 4.24 |
| 24 | 12.55 | 150 | 5.77 | 356 | 4.24 |
| 25 | 12.45 | 156 | 5.72 | 365 | 4.24 |
| 26 | 12.40 | 158 | 5.72 | 368 | 4.24 |
| 27 | 12.19 | 164 | 5.77 | 373 | 4.24 |
| 29 | 12.09 | 168 | 5.72 | 379 | 4.24 |
| 32 | 11.98 | 172 | 5.67 | 386 | 4.24 |
| 33 | 11.93 | 176 | 5.61 | 392 | 4.18 |
| 34 | 11.88 | 181 | 5.61 | 404 | 4.18 |
| 36 | 11.52 | 186 | 5.61 | 415 | 4.13 |
| 37 | 10.80 | 190 | 5.50 | 419 | 4.13 |
| 38 | 10.59 | 194 | 5.39 | 434 | 4.02 |
| 40 | 10.28 | 199 | 5.34 | 450 | 4.07 |
| 42 | 9.76 | 203 | 5.28 | 461 | 4.02 |
| 44 | 9.19 | 208 | 5.28 | 471 | 3.91 |
| 45 | 8.92 | 212 | 5.23 | 488 | 3.91 |
| 46 | 8.50 | 218 | 5.18 | 510 | 3.85 |
| 47 | 8.34 | 223 | 5.12 | 560 | 3.85 |
| 48 | 8.03 | 227 | 5.07 | 590 | 3.85 |
| 49 | 7.61 | 232 | 4.96 | 602 | 3.80 |
| 52 | 7.71 | 236 | 4.96 | 610 | 3.85 |
| 53 | 7.65 | 241 | 4.90 | 661 | 3.66 |
| 55 | 7.50 | 247 | 4.90 | 672 | 3.63 |
| 56 | 7.34 | 257 | 4.79 | 687 | 3.63 |
| 59 | 7.23 | 259 | 4.79 | 698 | 3.63 |
| 60 | 7.12 | 262 | 4.79 | 713 | 3.63 |
| 62 | 6.96 | 265 | 4.74 | 723 | 3.57 |
| 65 | 6.85 | 269 | 4.74 | 734 | 3.57 |
| 69 | 6.75 | 273 | 4.68 | 742 | 3.52 |
| 74 | 6.64 | 277 | 4.68 | | |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 13

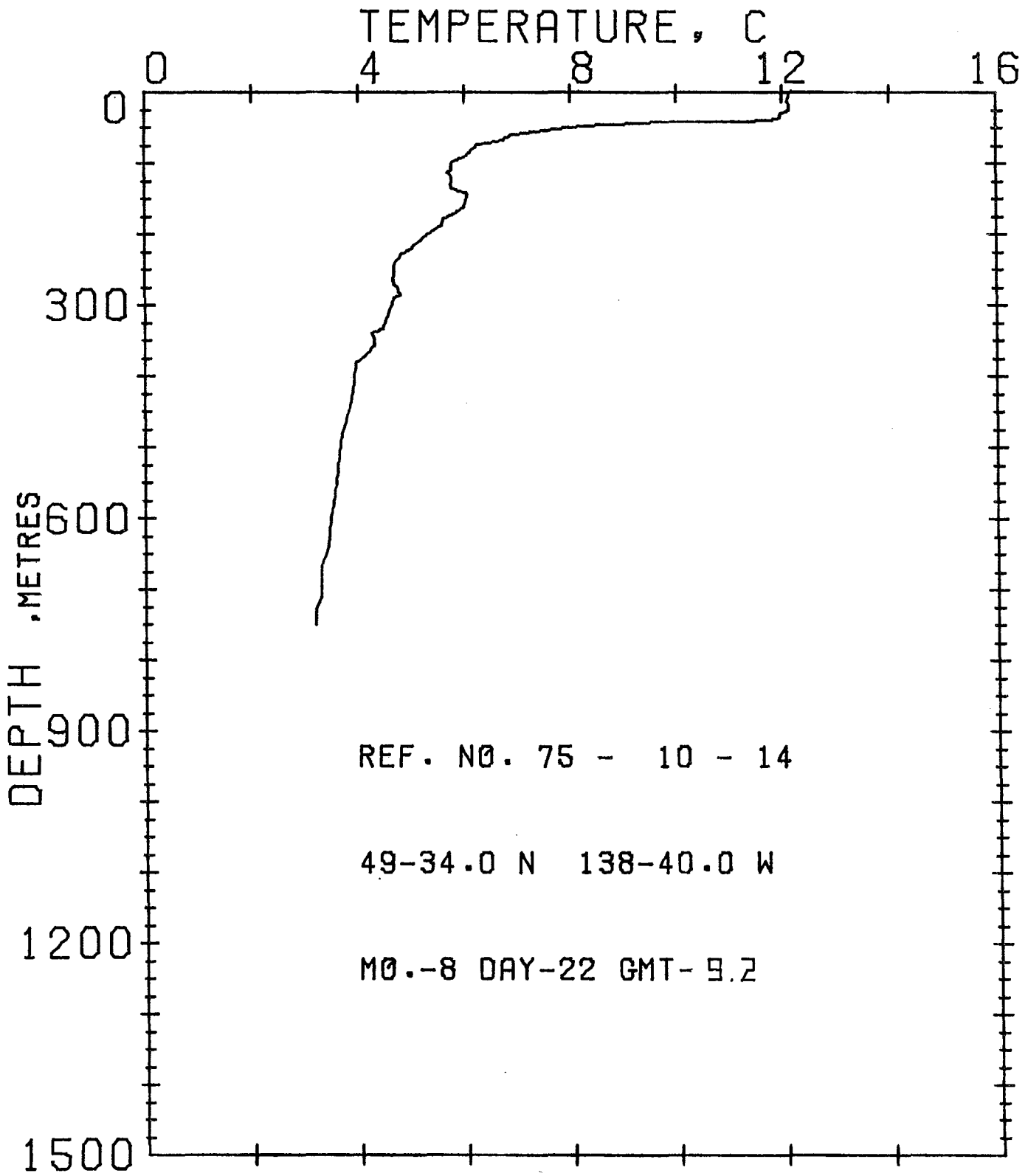
DATE 22/ 8/75

POSITION 49-30.0N 137-40.0W

GMT 4.5

RESULTS OF XBT CAST 86 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 12.50 | 111 | 5.67 | 372 | 4.41 |
| 5 | 12.45 | 117 | 5.61 | 379 | 4.35 |
| 9 | 12.40 | 119 | 5.67 | 386 | 4.35 |
| 17 | 12.40 | 123 | 5.72 | 392 | 4.46 |
| 20 | 12.19 | 127 | 5.83 | 402 | 4.35 |
| 23 | 11.93 | 137 | 6.05 | 413 | 4.30 |
| 25 | 11.78 | 147 | 6.26 | 440 | 4.18 |
| 27 | 11.47 | 154 | 6.37 | 457 | 4.18 |
| 28 | 11.26 | 163 | 6.37 | 472 | 4.15 |
| 32 | 10.95 | 173 | 6.26 | 483 | 4.13 |
| 38 | 10.49 | 182 | 6.15 | 495 | 4.07 |
| 42 | 9.92 | 190 | 6.15 | 506 | 4.07 |
| 46 | 9.08 | 200 | 5.99 | 517 | 4.02 |
| 47 | 8.40 | 227 | 5.72 | 535 | 3.91 |
| 49 | 7.76 | 232 | 5.61 | 556 | 3.85 |
| 53 | 7.28 | 239 | 5.61 | 571 | 3.80 |
| 58 | 7.01 | 244 | 5.56 | 583 | 3.68 |
| 60 | 6.91 | 251 | 5.45 | 592 | 3.68 |
| 63 | 6.69 | 256 | 5.34 | 617 | 3.63 |
| 66 | 6.53 | 268 | 5.23 | 637 | 3.63 |
| 72 | 6.37 | 276 | 5.12 | 649 | 3.68 |
| 77 | 6.26 | 286 | 5.01 | 651 | 3.68 |
| 82 | 6.26 | 297 | 5.01 | 657 | 3.57 |
| 89 | 6.15 | 306 | 4.96 | 670 | 3.52 |
| 93 | 6.15 | 317 | 4.90 | 684 | 3.57 |
| 95 | 6.05 | 328 | 4.79 | 700 | 3.57 |
| 99 | 5.99 | 341 | 4.63 | 709 | 3.57 |
| 104 | 5.83 | 352 | 4.57 | 714 | 3.52 |
| 107 | 5.72 | 362 | 4.52 | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 14

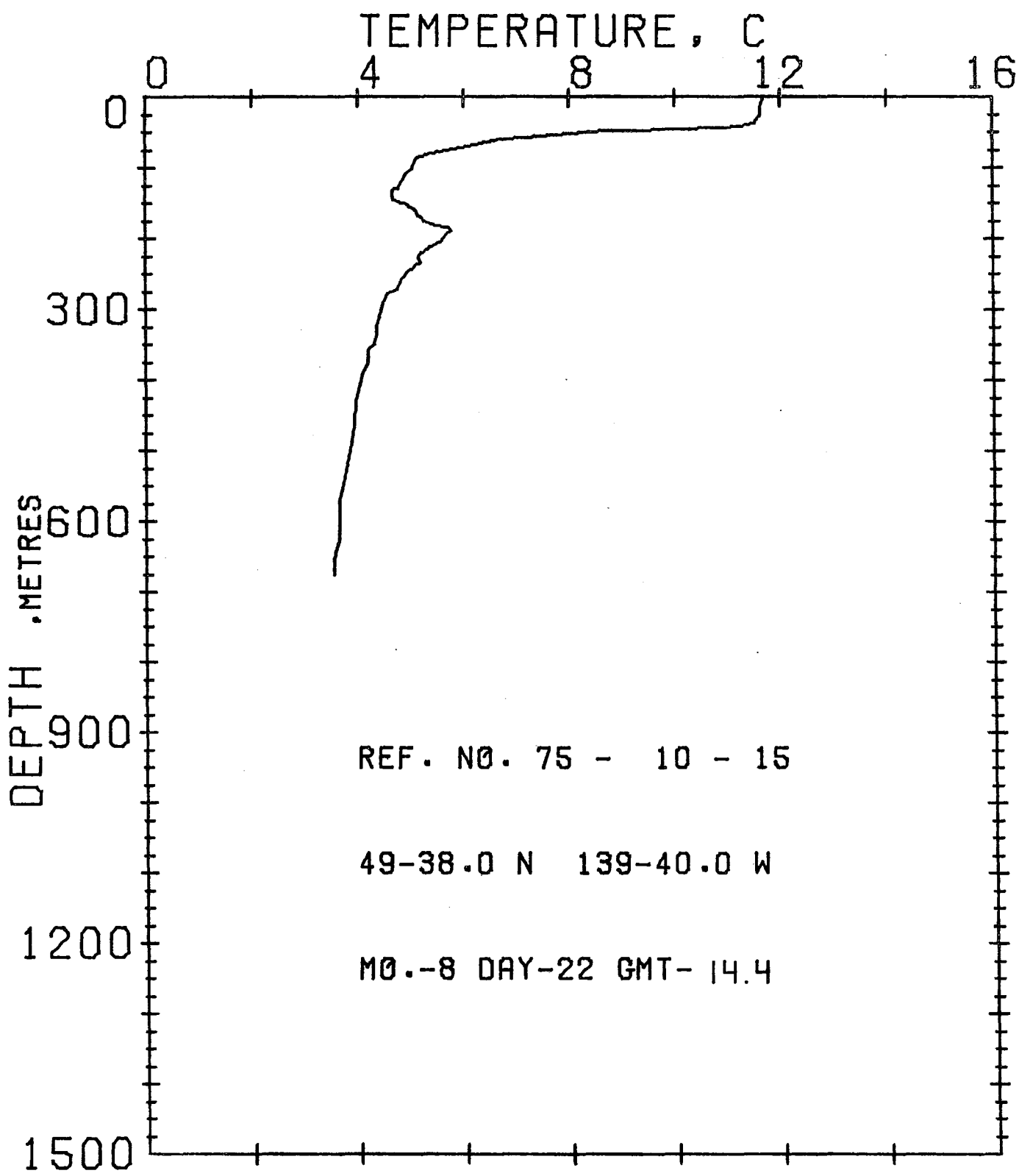
DATE 22/ 8/75

POSITION 49-34.0N 138-40.0W

GMT 9.2

RESULTS OF XBT CAST 78 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 12.19 | 97 | 5.88 | 281 | 4.74 |
| 3 | 12.14 | 99 | 5.77 | 286 | 4.79 |
| 6 | 12.14 | 111 | 5.77 | 291 | 4.68 |
| 14 | 12.09 | 114 | 5.67 | 298 | 4.63 |
| 18 | 12.14 | 120 | 5.77 | 333 | 4.46 |
| 23 | 12.14 | 123 | 5.77 | 336 | 4.41 |
| 26 | 12.14 | 131 | 5.72 | 341 | 4.24 |
| 28 | 12.09 | 136 | 5.77 | 348 | 4.30 |
| 33 | 11.98 | 139 | 5.88 | 353 | 4.30 |
| 35 | 11.98 | 142 | 5.99 | 356 | 4.30 |
| 39 | 11.78 | 144 | 6.05 | 358 | 4.30 |
| 41 | 11.16 | 148 | 6.05 | 371 | 4.13 |
| 43 | 9.76 | 162 | 5.99 | 382 | 3.96 |
| 46 | 8.82 | 170 | 5.83 | 408 | 3.91 |
| 47 | 8.61 | 173 | 5.77 | 444 | 3.85 |
| 49 | 8.34 | 177 | 5.67 | 483 | 3.68 |
| 51 | 7.97 | 180 | 5.61 | 510 | 3.63 |
| 54 | 7.55 | 188 | 5.56 | 550 | 3.57 |
| 59 | 6.96 | 202 | 5.28 | 579 | 3.52 |
| 62 | 6.85 | 220 | 5.01 | 601 | 3.46 |
| 67 | 6.75 | 230 | 4.79 | 640 | 3.41 |
| 73 | 6.48 | 243 | 4.68 | 669 | 3.29 |
| 74 | 6.26 | 256 | 4.68 | 693 | 3.29 |
| 79 | 6.21 | 267 | 4.63 | 711 | 3.29 |
| 86 | 6.10 | 273 | 4.68 | 729 | 3.18 |
| 91 | 6.05 | 278 | 4.74 | 749 | 3.18 |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 15

DATE 22/ 8/75

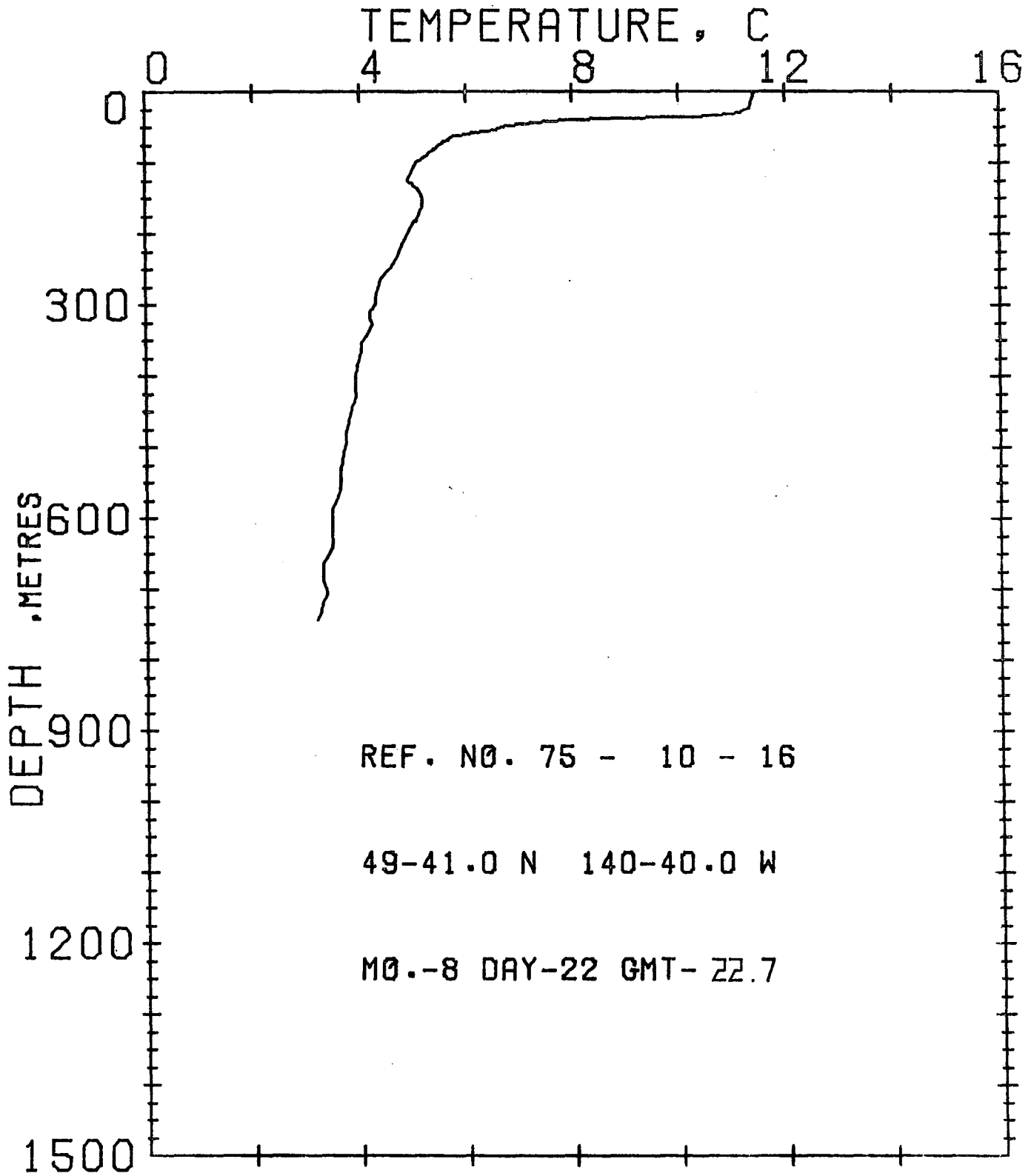
POSITION 49-38.0N 139-40.0W

GMT 14.4

RESULTS OF XBT CAST

75 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 11.68 | 102 | 5.01 | 240 | 5.07 |
| 3 | 11.68 | 111 | 4.90 | 249 | 4.90 |
| 16 | 11.62 | 129 | 4.74 | 261 | 4.79 |
| 28 | 11.62 | 133 | 4.63 | 272 | 4.74 |
| 33 | 11.57 | 137 | 4.63 | 277 | 4.57 |
| 38 | 11.52 | 142 | 4.63 | 295 | 4.40 |
| 40 | 11.42 | 147 | 4.68 | 312 | 4.41 |
| 42 | 11.20 | 150 | 4.79 | 324 | 4.35 |
| 44 | 10.90 | 152 | 4.90 | 337 | 4.35 |
| 45 | 10.70 | 156 | 4.96 | 349 | 4.30 |
| 46 | 10.28 | 161 | 5.07 | 358 | 4.18 |
| 47 | 9.81 | 165 | 5.12 | 370 | 4.18 |
| 48 | 9.39 | 168 | 5.12 | 378 | 4.18 |
| 49 | 8.82 | 171 | 5.18 | 392 | 4.07 |
| 50 | 8.34 | 177 | 5.23 | 409 | 4.02 |
| 52 | 8.03 | 181 | 5.45 | 429 | 3.90 |
| 54 | 7.70 | 184 | 5.67 | 465 | 3.91 |
| 56 | 7.44 | 187 | 5.72 | 501 | 3.85 |
| 56 | 7.23 | 189 | 5.77 | 538 | 3.74 |
| 60 | 6.75 | 194 | 5.67 | 572 | 3.63 |
| 62 | 6.59 | 203 | 5.56 | 598 | 3.65 |
| 66 | 6.21 | 214 | 5.34 | 628 | 3.63 |
| 83 | 5.28 | 221 | 5.18 | 636 | 3.57 |
| 87 | 5.12 | 229 | 5.12 | 657 | 3.52 |
| 92 | 5.07 | 234 | 5.18 | 675 | 3.52 |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 16

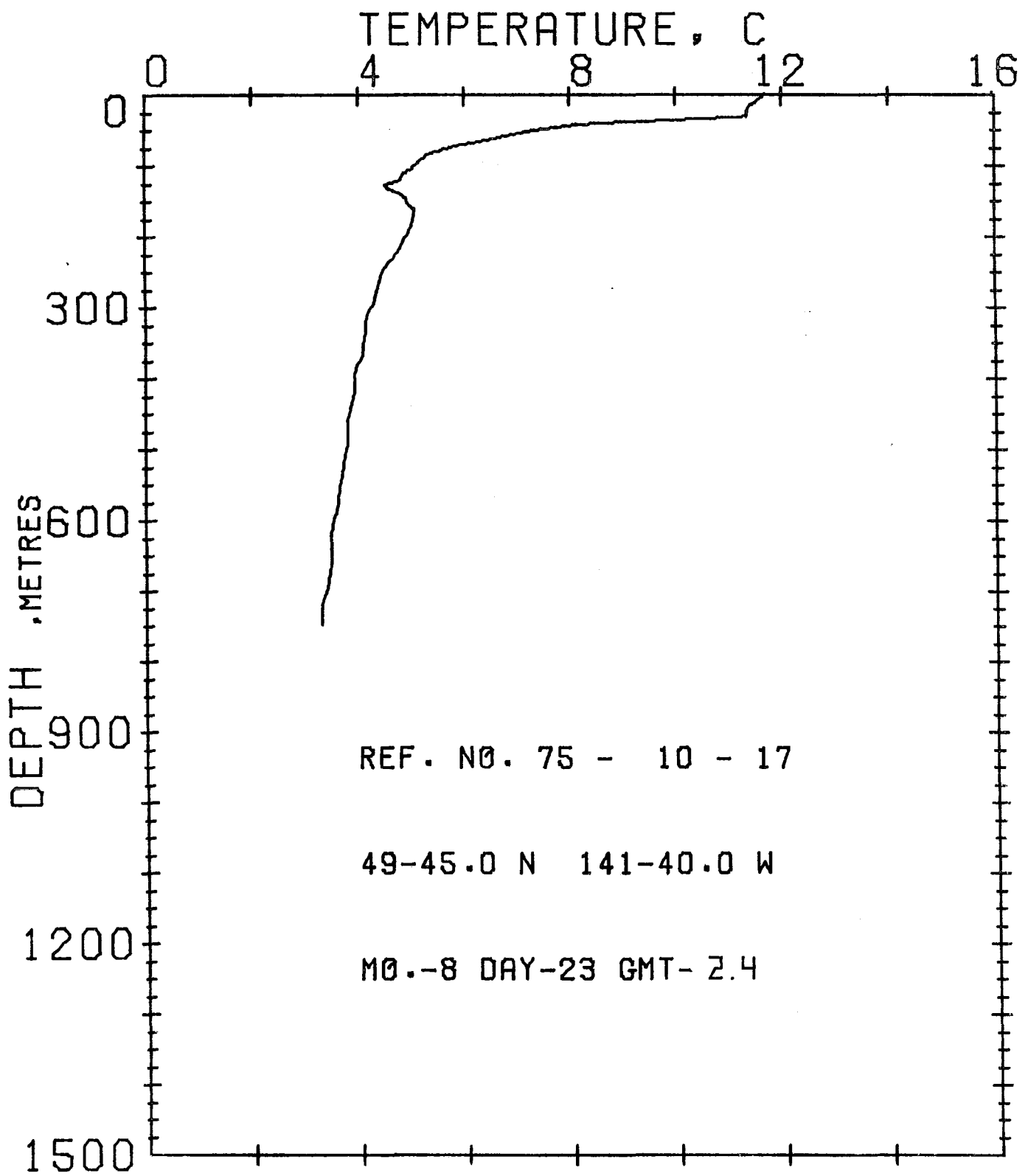
DATE 22/ 8/75

POSITION 49-41.0N 140-40.0W

GMT 22.7

RESULTS OF XBT CAST 76 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 11.42 | 99 | 5.07 | 404 | 3.91 |
| 6 | 11.42 | 126 | 4.90 | 429 | 3.91 |
| 15 | 11.37 | 133 | 5.01 | 446 | 3.85 |
| 19 | 11.37 | 140 | 5.12 | 464 | 3.80 |
| 24 | 11.32 | 148 | 5.18 | 481 | 3.74 |
| 28 | 11.21 | 163 | 5.18 | 495 | 3.74 |
| 31 | 11.16 | 183 | 5.07 | 508 | 3.68 |
| 33 | 11.01 | 185 | 5.01 | 532 | 3.63 |
| 34 | 10.70 | 216 | 4.79 | 543 | 3.63 |
| 35 | 10.28 | 226 | 4.74 | 558 | 3.63 |
| 36 | 9.86 | 242 | 4.63 | 571 | 3.57 |
| 40 | 7.87 | 264 | 4.41 | 587 | 3.46 |
| 41 | 7.65 | 277 | 4.35 | 598 | 3.46 |
| 42 | 7.55 | 291 | 4.30 | 621 | 3.46 |
| 44 | 7.39 | 299 | 4.30 | 631 | 3.46 |
| 46 | 7.07 | 306 | 4.24 | 642 | 3.46 |
| 48 | 6.80 | 310 | 4.18 | 656 | 3.35 |
| 50 | 6.69 | 317 | 4.18 | 665 | 3.29 |
| 53 | 6.59 | 323 | 4.18 | 679 | 3.29 |
| 56 | 6.37 | 327 | 4.24 | 688 | 3.29 |
| 62 | 5.83 | 336 | 4.18 | 705 | 3.35 |
| 64 | 5.72 | 344 | 4.13 | 709 | 3.35 |
| 67 | 5.67 | 354 | 4.02 | 722 | 3.29 |
| 73 | 5.56 | 367 | 4.02 | 733 | 3.24 |
| 81 | 5.39 | 386 | 3.96 | 743 | 3.18 |
| 89 | 5.28 | | | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 17

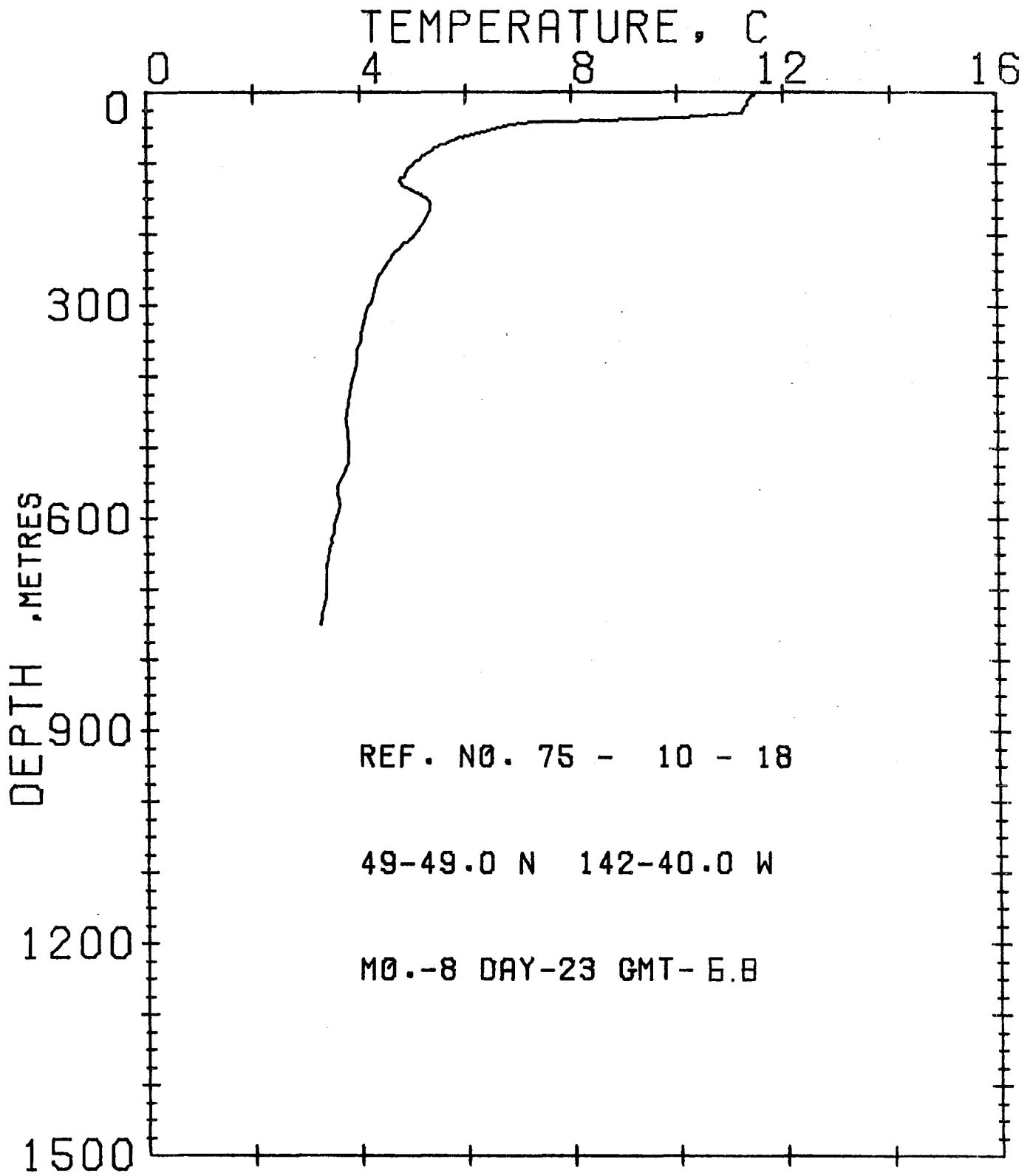
DATE 23/ 8/75

POSITION 49-45.0N 141-40.0W

GMT 2.4

RESULTS OF XBT CAST 76 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 11.68 | 103 | 5.01 | 294 | 4.30 |
| 5 | 11.62 | 110 | 4.90 | 305 | 4.18 |
| 11 | 11.52 | 113 | 4.85 | 320 | 4.13 |
| 14 | 11.47 | 120 | 4.79 | 335 | 4.13 |
| 16 | 11.42 | 123 | 4.63 | 353 | 4.07 |
| 21 | 11.37 | 125 | 4.52 | 368 | 4.07 |
| 24 | 11.37 | 128 | 4.52 | 383 | 3.96 |
| 26 | 11.37 | 132 | 4.57 | 398 | 3.91 |
| 30 | 11.32 | 136 | 4.68 | 417 | 3.91 |
| 32 | 11.26 | 140 | 4.79 | 442 | 3.85 |
| 33 | 11.06 | 144 | 4.85 | 460 | 3.80 |
| 36 | 9.86 | 147 | 4.90 | 492 | 3.80 |
| 37 | 9.45 | 152 | 4.90 | 508 | 3.74 |
| 38 | 9.06 | 156 | 4.96 | 536 | 3.68 |
| 39 | 8.66 | 159 | 5.01 | 554 | 3.63 |
| 43 | 8.13 | 161 | 5.07 | 590 | 3.57 |
| 46 | 7.76 | 167 | 5.07 | 596 | 3.52 |
| 51 | 7.34 | 184 | 5.01 | 621 | 3.46 |
| 57 | 6.80 | 194 | 4.96 | 660 | 3.40 |
| 60 | 6.69 | 206 | 4.85 | 685 | 3.41 |
| 67 | 6.15 | 217 | 4.79 | 703 | 3.35 |
| 73 | 5.83 | 222 | 4.74 | 720 | 3.29 |
| 76 | 5.56 | 237 | 4.57 | 736 | 3.29 |
| 82 | 5.39 | 249 | 4.46 | 743 | 3.29 |
| 87 | 5.28 | 264 | 4.41 | 747 | 3.29 |
| 96 | 5.12 | | | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 18

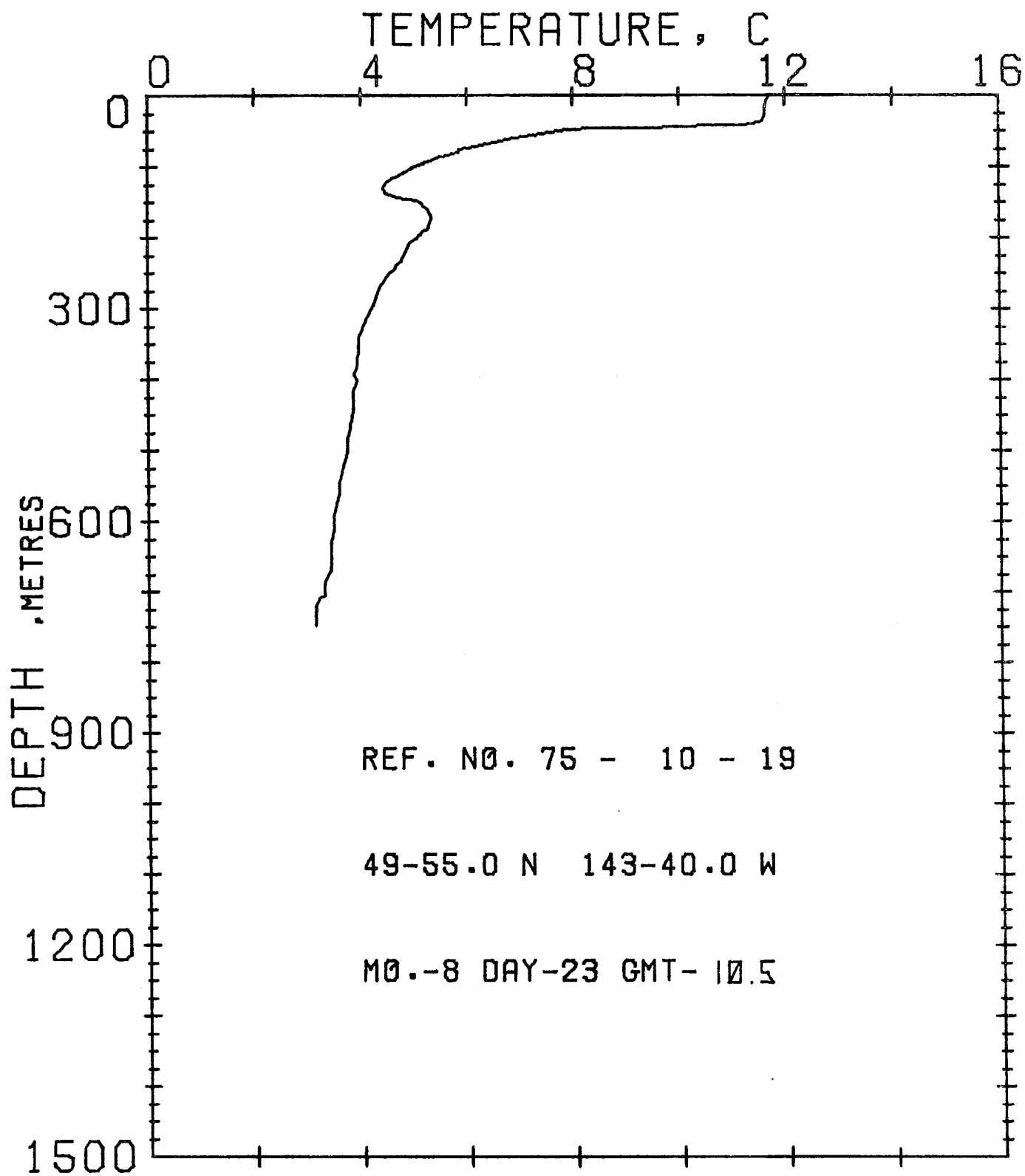
DATE 23/ 8/75

POSITION 49-49.0N 142-40.0W

GMT 6.8

RESULTS OF XBT CAST 71 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 11.47 | 123 | 4.74 | 412 | 3.85 |
| 3 | 11.47 | 126 | 4.74 | 438 | 3.80 |
| 6 | 11.42 | 133 | 4.79 | 465 | 3.74 |
| 13 | 11.32 | 137 | 4.96 | 500 | 3.80 |
| 18 | 11.32 | 145 | 5.18 | 522 | 3.80 |
| 23 | 11.26 | 151 | 5.28 | 533 | 3.74 |
| 27 | 11.26 | 156 | 5.34 | 547 | 3.63 |
| 30 | 11.21 | 165 | 5.34 | 554 | 3.57 |
| 33 | 10.75 | 174 | 5.28 | 567 | 3.57 |
| 36 | 10.07 | 183 | 5.23 | 582 | 3.63 |
| 38 | 9.29 | 193 | 5.12 | 597 | 3.57 |
| 41 | 7.81 | 203 | 5.01 | 610 | 3.52 |
| 42 | 7.34 | 216 | 4.79 | 621 | 3.52 |
| 45 | 7.07 | 229 | 4.63 | 629 | 3.46 |
| 49 | 6.75 | 245 | 4.52 | 634 | 3.46 |
| 58 | 6.26 | 261 | 4.35 | 644 | 3.41 |
| 66 | 5.83 | 280 | 4.30 | 667 | 3.35 |
| 71 | 5.67 | 294 | 4.24 | 696 | 3.35 |
| 75 | 5.50 | 305 | 4.13 | 713 | 3.35 |
| 82 | 5.39 | 325 | 4.07 | 737 | 3.29 |
| 92 | 5.18 | 340 | 4.02 | 743 | 3.29 |
| 102 | 5.01 | 351 | 4.02 | 746 | 3.24 |
| 111 | 4.90 | 363 | 3.96 | 749 | 3.24 |
| 118 | 4.85 | 383 | 3.96 | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 19

DATE 23/ 8/75

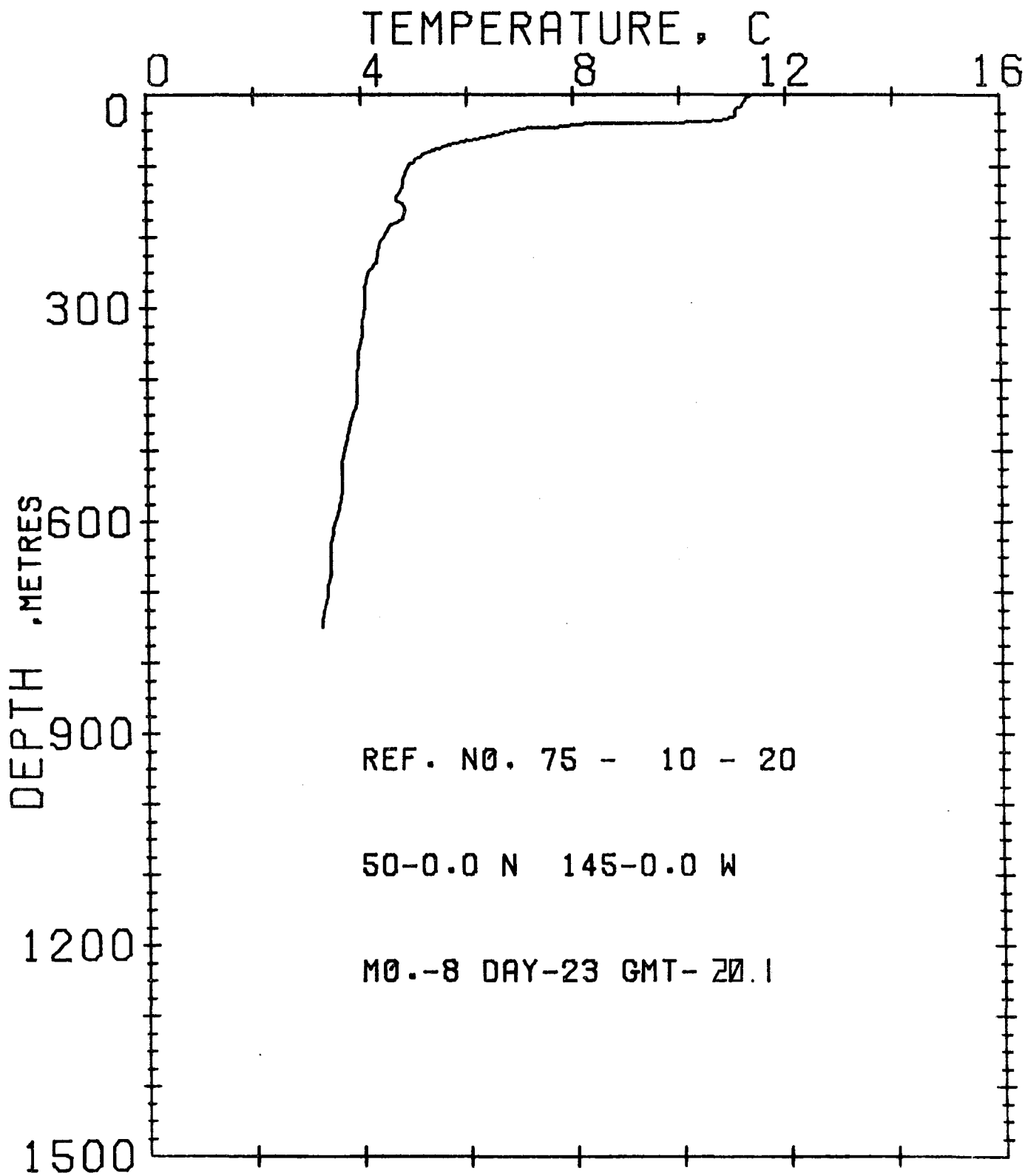
POSITION 49-55.0N 143-40.0W

GMT 10.5

RESULTS OF XBT CAST

66 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 11.73 | 132 | 4.41 | 395 | 3.85 |
| 5 | 11.68 | 138 | 4.46 | 403 | 3.91 |
| 16 | 11.62 | 143 | 4.68 | 419 | 3.85 |
| 30 | 11.62 | 146 | 4.85 | 441 | 3.85 |
| 35 | 11.57 | 148 | 5.01 | 468 | 3.80 |
| 39 | 11.42 | 151 | 5.12 | 484 | 3.74 |
| 42 | 11.16 | 156 | 5.18 | 499 | 3.74 |
| 43 | 10.70 | 164 | 5.28 | 516 | 3.68 |
| 46 | 9.39 | 173 | 5.34 | 546 | 3.57 |
| 47 | 8.45 | 186 | 5.28 | 563 | 3.57 |
| 49 | 7.92 | 196 | 5.12 | 577 | 3.52 |
| 53 | 7.44 | 209 | 4.90 | 595 | 3.46 |
| 60 | 6.91 | 233 | 4.74 | 612 | 3.46 |
| 72 | 6.15 | 254 | 4.52 | 631 | 3.41 |
| 76 | 5.88 | 271 | 4.35 | 650 | 3.41 |
| 80 | 5.83 | 296 | 4.24 | 671 | 3.41 |
| 88 | 5.45 | 318 | 4.07 | 688 | 3.29 |
| 95 | 5.18 | 342 | 3.96 | 706 | 3.29 |
| 101 | 4.96 | 353 | 3.96 | 712 | 3.18 |
| 109 | 4.79 | 361 | 3.96 | 722 | 3.13 |
| 119 | 4.57 | 370 | 3.91 | 736 | 3.13 |
| 127 | 4.46 | 383 | 3.91 | 747 | 3.13 |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 20

DATE 23/ 8/75

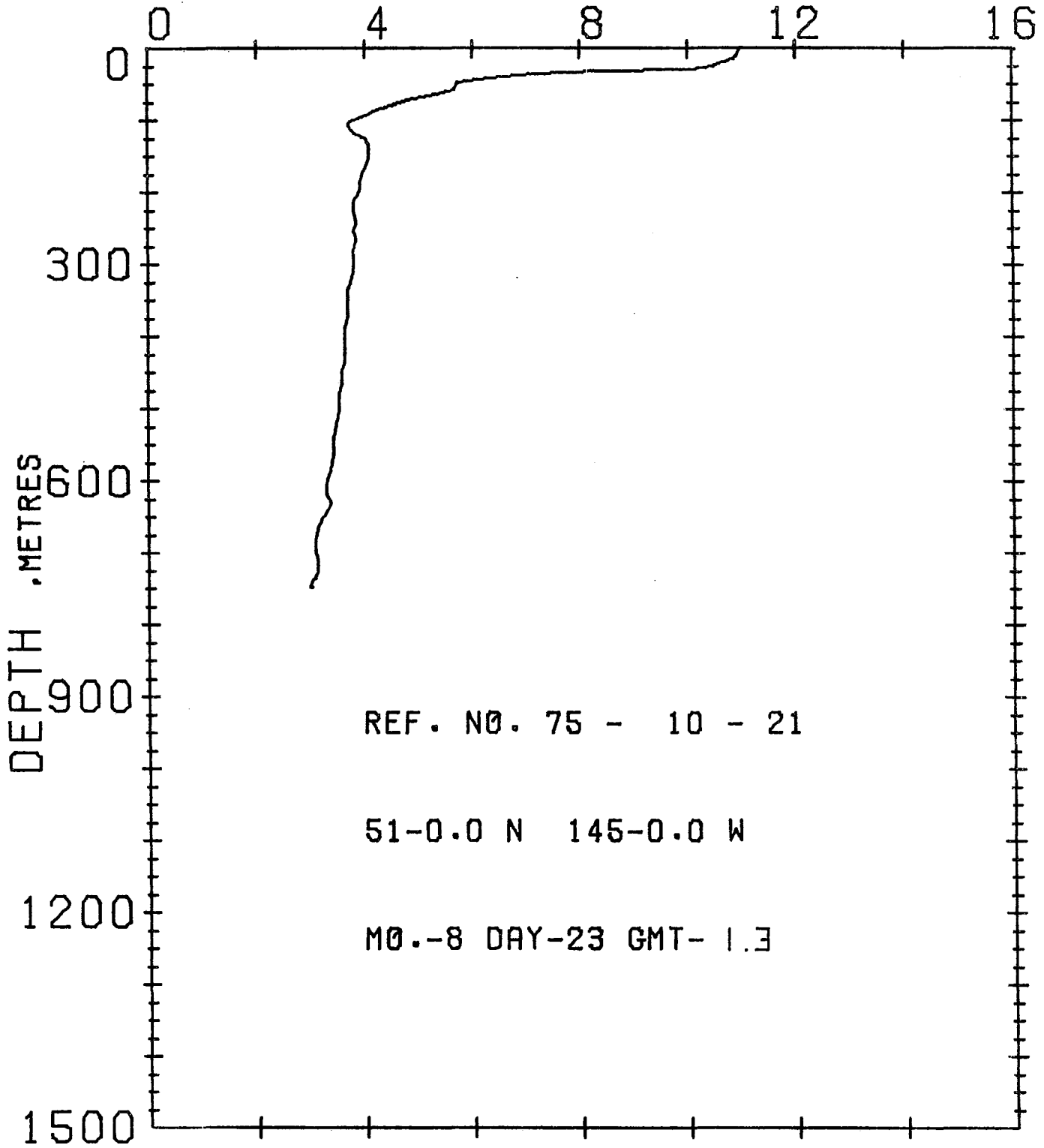
POSITION 50- 0.0N 145- 0.0W

GMT 20.1

RESULTS OF XBT CAST 65 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 11.32 | 100 | 4.90 | 434 | 3.91 |
| 2 | 11.32 | 120 | 4.79 | 449 | 3.85 |
| 9 | 11.25 | 130 | 4.79 | 461 | 3.80 |
| 16 | 11.16 | 136 | 4.74 | 482 | 3.74 |
| 21 | 11.06 | 143 | 4.68 | 498 | 3.66 |
| 27 | 11.06 | 149 | 4.68 | 519 | 3.63 |
| 31 | 11.06 | 154 | 4.79 | 537 | 3.63 |
| 34 | 10.90 | 162 | 4.85 | 555 | 3.63 |
| 37 | 10.54 | 173 | 4.79 | 580 | 3.57 |
| 39 | 9.71 | 185 | 4.57 | 596 | 3.52 |
| 40 | 8.34 | 198 | 4.46 | 610 | 3.46 |
| 41 | 8.08 | 209 | 4.35 | 619 | 3.46 |
| 44 | 7.87 | 236 | 4.30 | 632 | 3.41 |
| 46 | 7.65 | 249 | 4.13 | 650 | 3.41 |
| 47 | 7.23 | 271 | 4.07 | 675 | 3.41 |
| 50 | 6.91 | 298 | 4.07 | 694 | 3.35 |
| 54 | 6.69 | 320 | 4.02 | 707 | 3.35 |
| 61 | 6.32 | 340 | 4.02 | 730 | 3.29 |
| 70 | 5.67 | 362 | 3.96 | 741 | 3.24 |
| 76 | 5.39 | 376 | 3.96 | 747 | 3.24 |
| 84 | 5.18 | 396 | 3.91 | 749 | 3.24 |
| 94 | 5.01 | 416 | 3.91 | | |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 21

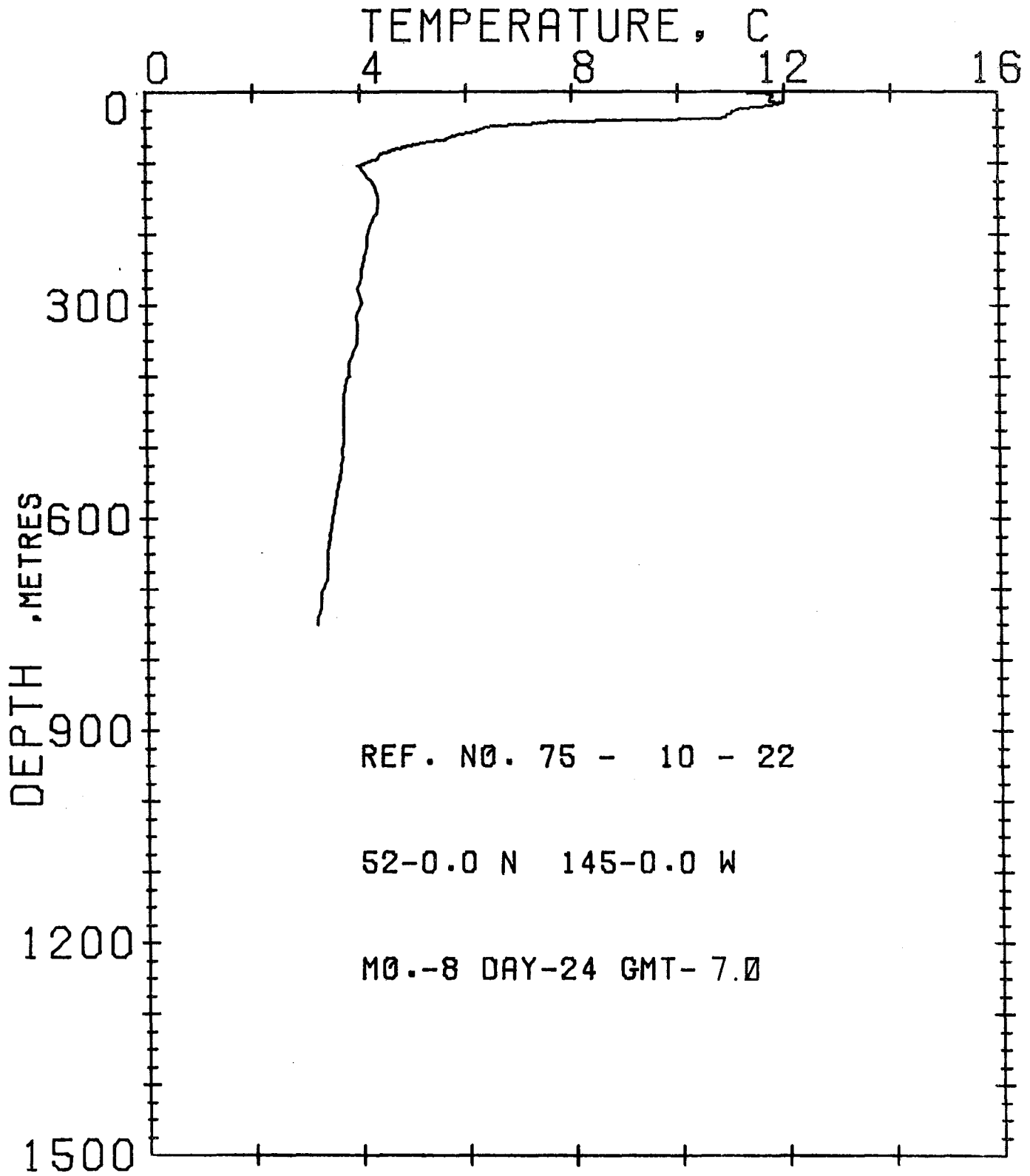
DATE 23/ 8/75

POSITION 51- 0.0N 145- 0.0W

GMT 1.3

RESULTS OF XBT CAST 71 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 11.01 | 127 | 4.02 | 435 | 3.63 |
| 4 | 10.95 | 130 | 4.02 | 447 | 3.57 |
| 11 | 10.90 | 134 | 4.07 | 465 | 3.57 |
| 15 | 10.85 | 139 | 4.07 | 480 | 3.52 |
| 18 | 10.75 | 144 | 4.07 | 502 | 3.52 |
| 22 | 10.59 | 155 | 4.07 | 522 | 3.46 |
| 26 | 10.49 | 165 | 4.02 | 542 | 3.41 |
| 29 | 10.33 | 177 | 3.96 | 562 | 3.41 |
| 30 | 10.02 | 187 | 3.91 | 585 | 3.35 |
| 33 | 8.40 | 198 | 3.91 | 604 | 3.29 |
| 36 | 7.18 | 214 | 3.80 | 619 | 3.29 |
| 39 | 6.59 | 226 | 3.80 | 631 | 3.35 |
| 44 | 6.10 | 243 | 3.85 | 644 | 3.29 |
| 48 | 5.72 | 254 | 3.80 | 656 | 3.18 |
| 58 | 5.67 | 266 | 3.85 | 666 | 3.13 |
| 64 | 5.34 | 284 | 3.80 | 681 | 3.07 |
| 73 | 4.79 | 311 | 3.80 | 700 | 3.07 |
| 87 | 4.24 | 325 | 3.74 | 713 | 3.13 |
| 96 | 3.96 | 333 | 3.68 | 725 | 3.13 |
| 101 | 3.74 | 349 | 3.68 | 735 | 3.07 |
| 108 | 3.68 | 371 | 3.68 | 740 | 3.01 |
| 114 | 3.74 | 388 | 3.63 | 747 | 2.96 |
| 119 | 3.80 | 403 | 3.63 | 748 | 3.01 |
| 123 | 3.96 | 423 | 3.63 | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 22

DATE 24/ 8/75

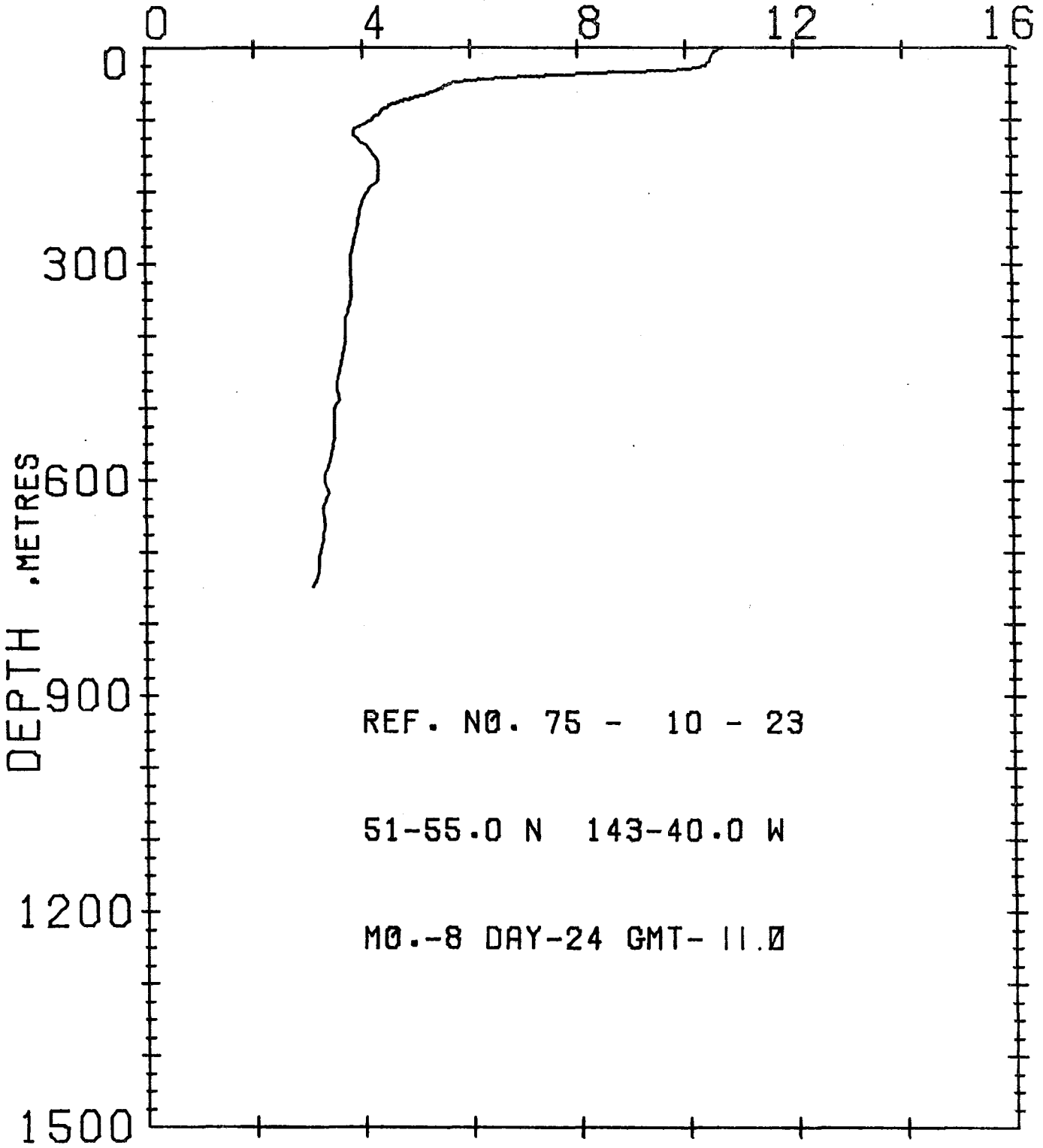
POSITION 52- 0.0N 145- 0.0W

GMT 7.0

RESULTS OF XBT CAST 70 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 11.32 | 67 | 5.61 | 277 | 3.96 |
| 2 | 11.57 | 69 | 5.50 | 298 | 4.02 |
| 4 | 11.68 | 74 | 5.07 | 316 | 3.91 |
| 5 | 11.78 | 77 | 4.85 | 327 | 3.96 |
| 8 | 11.78 | 82 | 4.63 | 344 | 3.96 |
| 11 | 11.73 | 88 | 4.41 | 354 | 3.96 |
| 14 | 11.73 | 94 | 4.35 | 382 | 3.80 |
| 15 | 11.83 | 98 | 4.18 | 399 | 3.80 |
| 16 | 11.93 | 101 | 4.07 | 404 | 3.74 |
| 17 | 11.98 | 104 | 3.96 | 428 | 3.68 |
| 19 | 11.88 | 111 | 4.02 | 455 | 3.68 |
| 21 | 11.57 | 121 | 4.13 | 487 | 3.68 |
| 23 | 11.21 | 128 | 4.24 | 531 | 3.63 |
| 27 | 11.11 | 137 | 4.30 | 554 | 3.57 |
| 31 | 11.01 | 150 | 4.35 | 575 | 3.52 |
| 35 | 10.90 | 167 | 4.35 | 603 | 3.46 |
| 37 | 10.80 | 179 | 4.24 | 623 | 3.41 |
| 43 | 7.71 | 190 | 4.18 | 650 | 3.35 |
| 46 | 7.12 | 203 | 4.13 | 685 | 3.35 |
| 49 | 6.53 | 217 | 4.13 | 706 | 3.24 |
| 52 | 6.32 | 233 | 4.07 | 728 | 3.24 |
| 56 | 6.21 | 251 | 4.02 | 744 | 3.18 |
| 58 | 6.05 | 262 | 4.02 | 749 | 3.18 |
| 62 | 5.77 | | | | |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 23

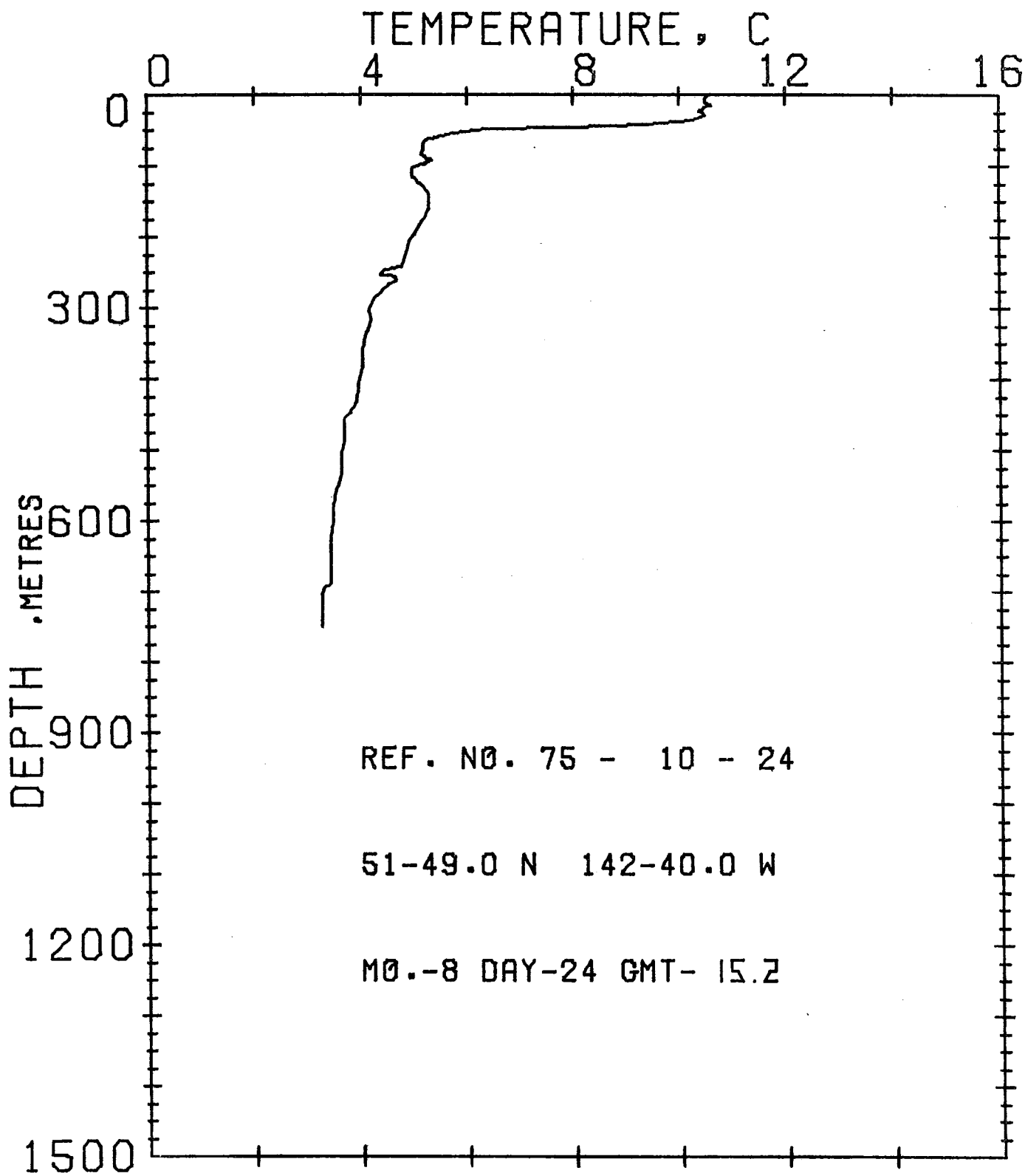
DATE 24/ 8/75

POSITION 51-55.0N 143-40.0W

GMT 11.0

RESULTS OF XBT CAST 60 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 10.70 | 122 | 3.85 | 428 | 3.63 |
| 8 | 10.54 | 130 | 3.96 | 447 | 3.57 |
| 14 | 10.49 | 136 | 4.07 | 464 | 3.52 |
| 20 | 10.44 | 148 | 4.18 | 475 | 3.52 |
| 27 | 10.38 | 158 | 4.30 | 489 | 3.57 |
| 29 | 10.28 | 170 | 4.30 | 499 | 3.46 |
| 32 | 9.71 | 185 | 4.30 | 517 | 3.46 |
| 34 | 8.87 | 197 | 4.13 | 540 | 3.46 |
| 39 | 7.12 | 208 | 4.02 | 564 | 3.41 |
| 44 | 6.26 | 226 | 3.96 | 582 | 3.35 |
| 46 | 5.77 | 244 | 3.91 | 591 | 3.29 |
| 50 | 5.61 | 270 | 3.85 | 602 | 3.29 |
| 56 | 5.50 | 291 | 3.80 | 619 | 3.35 |
| 64 | 5.23 | 308 | 3.80 | 639 | 3.24 |
| 74 | 4.74 | 330 | 3.80 | 658 | 3.29 |
| 80 | 4.52 | 346 | 3.80 | 682 | 3.24 |
| 89 | 4.35 | 365 | 3.74 | 705 | 3.18 |
| 100 | 4.18 | 375 | 3.68 | 726 | 3.18 |
| 109 | 3.96 | 391 | 3.68 | 742 | 3.13 |
| 114 | 3.85 | 408 | 3.68 | 747 | 3.07 |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 24

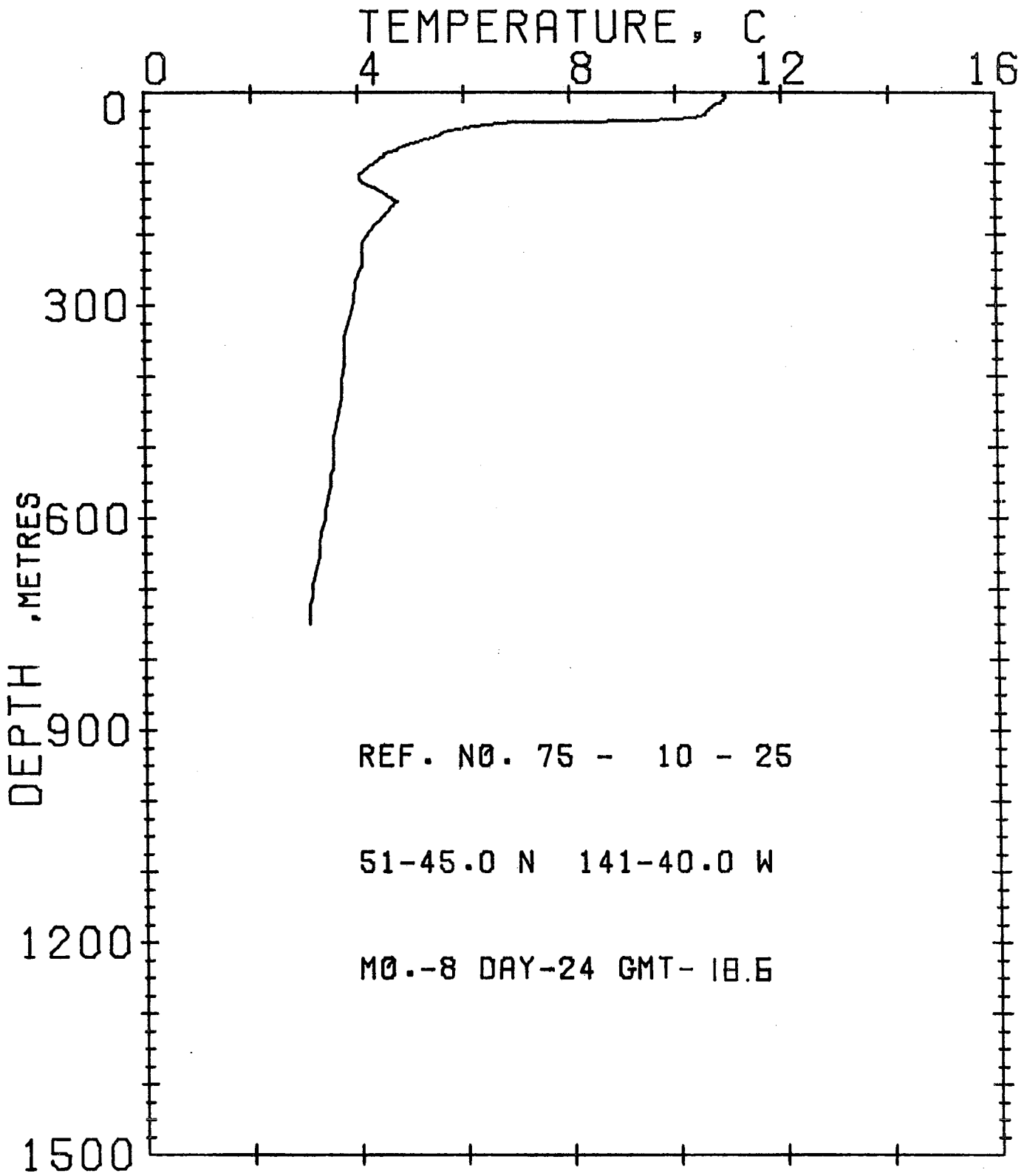
DATE 24/ 8/75

POSITION 51-49.0N 142-40.0W

GMT 15.2

RESULTS OF XBT CAST 91 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 10.59 | 98 | 5.18 | 316 | 4.18 |
| 2 | 10.54 | 99 | 5.07 | 331 | 4.13 |
| 6 | 10.49 | 104 | 4.96 | 339 | 4.07 |
| 11 | 10.49 | 108 | 4.96 | 359 | 4.02 |
| 13 | 10.54 | 113 | 4.96 | 382 | 4.02 |
| 14 | 10.59 | 116 | 4.96 | 409 | 3.96 |
| 16 | 10.59 | 119 | 5.01 | 433 | 3.91 |
| 18 | 10.49 | 123 | 5.07 | 448 | 3.80 |
| 20 | 10.44 | 127 | 5.12 | 457 | 3.66 |
| 23 | 10.38 | 140 | 5.28 | 469 | 3.68 |
| 25 | 10.44 | 152 | 5.28 | 487 | 3.68 |
| 28 | 10.44 | 161 | 5.28 | 507 | 3.63 |
| 30 | 10.44 | 170 | 5.23 | 532 | 3.63 |
| 31 | 10.49 | 182 | 5.12 | 548 | 3.57 |
| 35 | 10.28 | 195 | 5.01 | 559 | 3.52 |
| 42 | 9.39 | 207 | 4.90 | 580 | 3.46 |
| 45 | 8.71 | 223 | 4.85 | 601 | 3.46 |
| 47 | 7.92 | 235 | 4.79 | 624 | 3.41 |
| 49 | 6.37 | 242 | 4.74 | 637 | 3.41 |
| 53 | 5.77 | 244 | 4.63 | 656 | 3.41 |
| 59 | 5.45 | 246 | 4.46 | 672 | 3.41 |
| 64 | 5.23 | 249 | 4.41 | 687 | 3.41 |
| 69 | 5.18 | 253 | 4.35 | 696 | 3.29 |
| 77 | 5.18 | 254 | 4.52 | 704 | 3.24 |
| 84 | 5.12 | 256 | 4.63 | 725 | 3.24 |
| 86 | 5.18 | 259 | 4.68 | 739 | 3.24 |
| 89 | 5.23 | 261 | 4.68 | 745 | 3.24 |
| 91 | 5.28 | 269 | 4.52 | 747 | 3.24 |
| 92 | 5.34 | 287 | 4.24 | 748 | 3.24 |
| 94 | 5.28 | 303 | 4.13 | 749 | 3.24 |
| 97 | 5.23 | | | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 25

DATE 24/ 8/75

POSITION 51-45.0N 141-40.0W

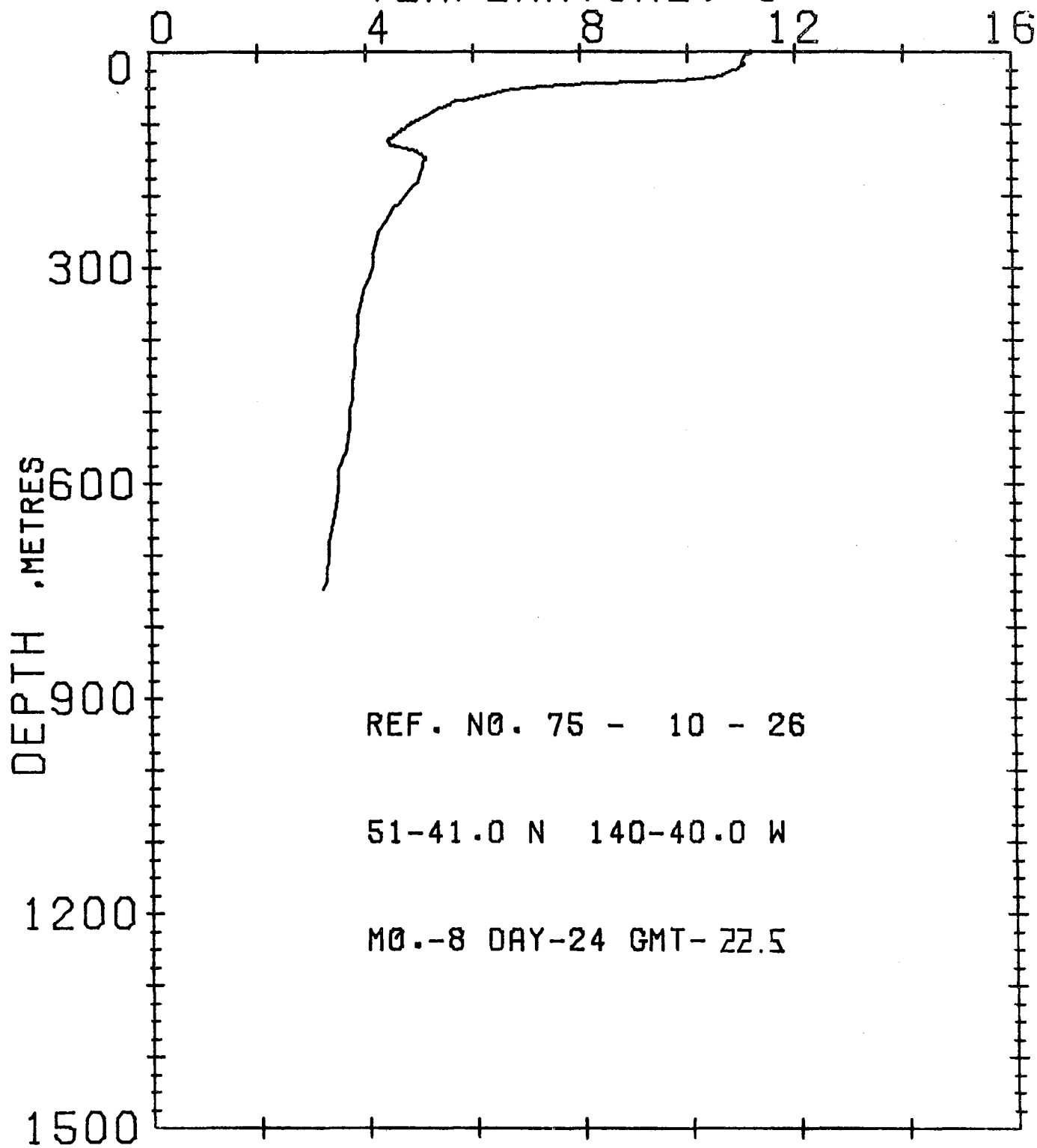
GMT 18.6

RESULTS OF XBT CAST

78 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 3 | 10.90 | 80 | 4.74 | 430 | 3.68 |
| 6 | 10.95 | 83 | 4.74 | 450 | 3.63 |
| 9 | 10.95 | 86 | 4.52 | 471 | 3.57 |
| 12 | 10.90 | 91 | 4.52 | 487 | 3.52 |
| 15 | 10.85 | 116 | 4.02 | 501 | 3.52 |
| 18 | 10.75 | 118 | 4.02 | 516 | 3.52 |
| 22 | 10.70 | 123 | 4.02 | 524 | 3.52 |
| 25 | 10.64 | 128 | 4.07 | 531 | 3.52 |
| 27 | 10.64 | 136 | 4.35 | 538 | 3.46 |
| 30 | 10.59 | 147 | 4.57 | 548 | 3.46 |
| 33 | 10.59 | 151 | 4.68 | 554 | 3.46 |
| 35 | 10.38 | 154 | 4.74 | 572 | 3.41 |
| 39 | 9.50 | 160 | 4.68 | 587 | 3.35 |
| 41 | 7.97 | 173 | 4.52 | 602 | 3.35 |
| 42 | 7.01 | 189 | 4.30 | 621 | 3.29 |
| 45 | 6.69 | 202 | 4.18 | 637 | 3.24 |
| 46 | 6.48 | 213 | 4.07 | 656 | 3.24 |
| 48 | 6.21 | 226 | 4.07 | 678 | 3.16 |
| 51 | 6.10 | 247 | 4.07 | 695 | 3.13 |
| 52 | 5.94 | 252 | 4.02 | 701 | 3.13 |
| 55 | 5.72 | 269 | 3.96 | 713 | 3.13 |
| 57 | 5.61 | 294 | 3.91 | 724 | 3.07 |
| 60 | 5.56 | 318 | 3.85 | 736 | 3.07 |
| 64 | 5.45 | 346 | 3.74 | 744 | 3.07 |
| 66 | 5.23 | 361 | 3.74 | 747 | 3.07 |
| 74 | 4.96 | 409 | 3.68 | 749 | 3.07 |

TEMPERATURE, C



REF. NO. 75 - 10 - 26

51-41.0 N 140-40.0 W

MO.-8 DAY-24 GMT-22.5

OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 26

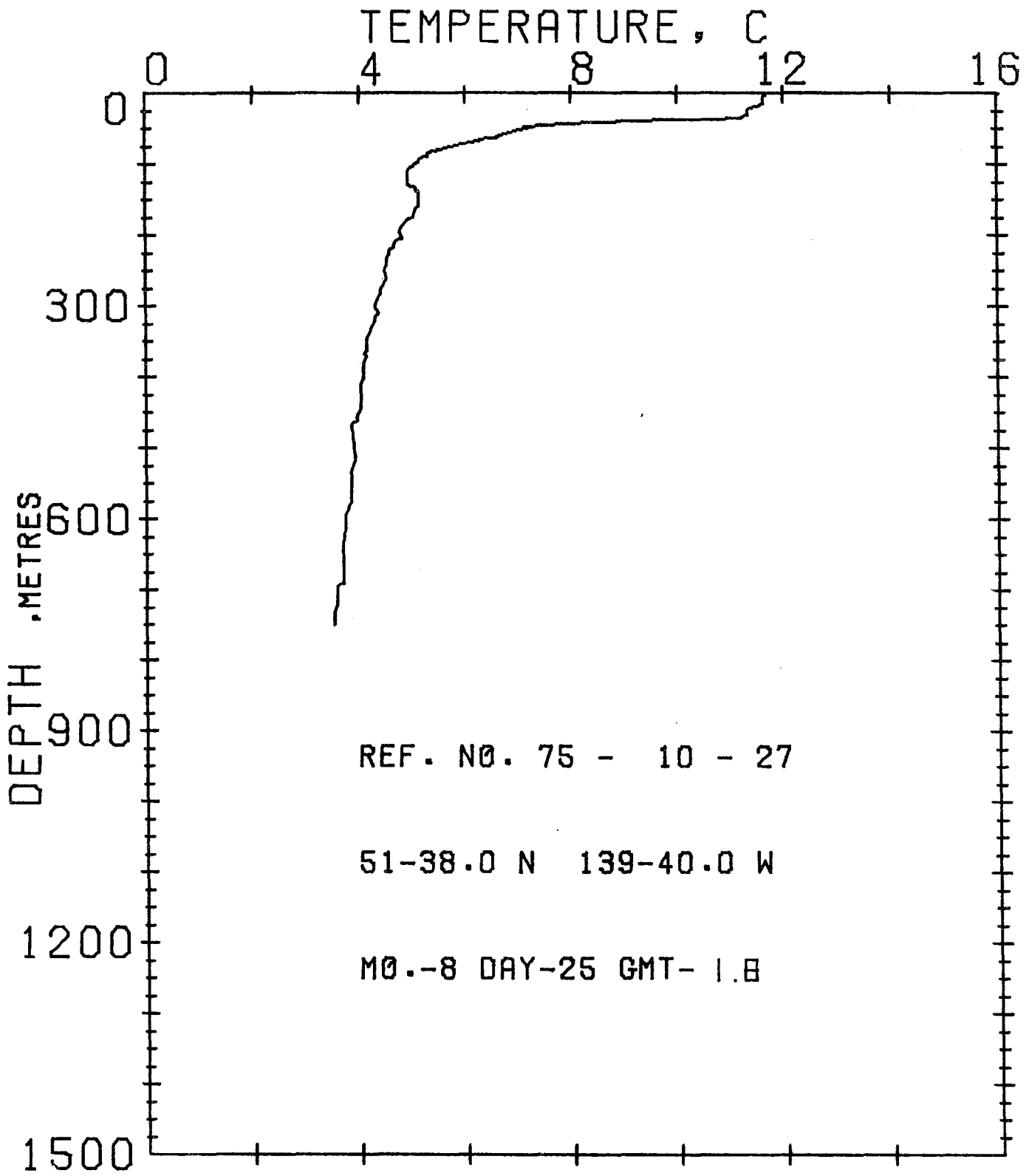
DATE 24/ 8/75

POSITION 51-41.0N 140-40.0W

GMT 22.5

RESULTS OF XBT CAST 69 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 11.21 | 100 | 4.85 | 283 | 4.13 |
| 2 | 11.16 | 109 | 4.68 | 301 | 4.13 |
| 9 | 11.06 | 119 | 4.52 | 313 | 4.07 |
| 15 | 11.01 | 123 | 4.41 | 331 | 3.96 |
| 18 | 11.06 | 129 | 4.46 | 347 | 3.91 |
| 24 | 10.95 | 133 | 4.57 | 369 | 3.85 |
| 29 | 10.80 | 135 | 4.74 | 393 | 3.85 |
| 34 | 10.64 | 137 | 4.90 | 410 | 3.80 |
| 36 | 10.49 | 141 | 4.96 | 435 | 3.80 |
| 39 | 9.81 | 146 | 5.07 | 463 | 3.74 |
| 42 | 9.08 | 147 | 5.12 | 481 | 3.74 |
| 46 | 7.71 | 150 | 5.12 | 499 | 3.68 |
| 50 | 7.01 | 155 | 5.07 | 521 | 3.68 |
| 54 | 6.59 | 160 | 5.07 | 554 | 3.63 |
| 58 | 6.42 | 170 | 5.01 | 583 | 3.46 |
| 63 | 6.10 | 181 | 4.96 | 609 | 3.46 |
| 67 | 5.83 | 189 | 4.85 | 632 | 3.41 |
| 69 | 5.67 | 200 | 4.74 | 654 | 3.35 |
| 71 | 5.61 | 210 | 4.63 | 684 | 3.29 |
| 74 | 5.56 | 219 | 4.52 | 702 | 3.29 |
| 75 | 5.50 | 235 | 4.41 | 728 | 3.24 |
| 80 | 5.34 | 250 | 4.24 | 735 | 3.24 |
| 91 | 5.12 | 266 | 4.18 | 747 | 3.18 |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 27

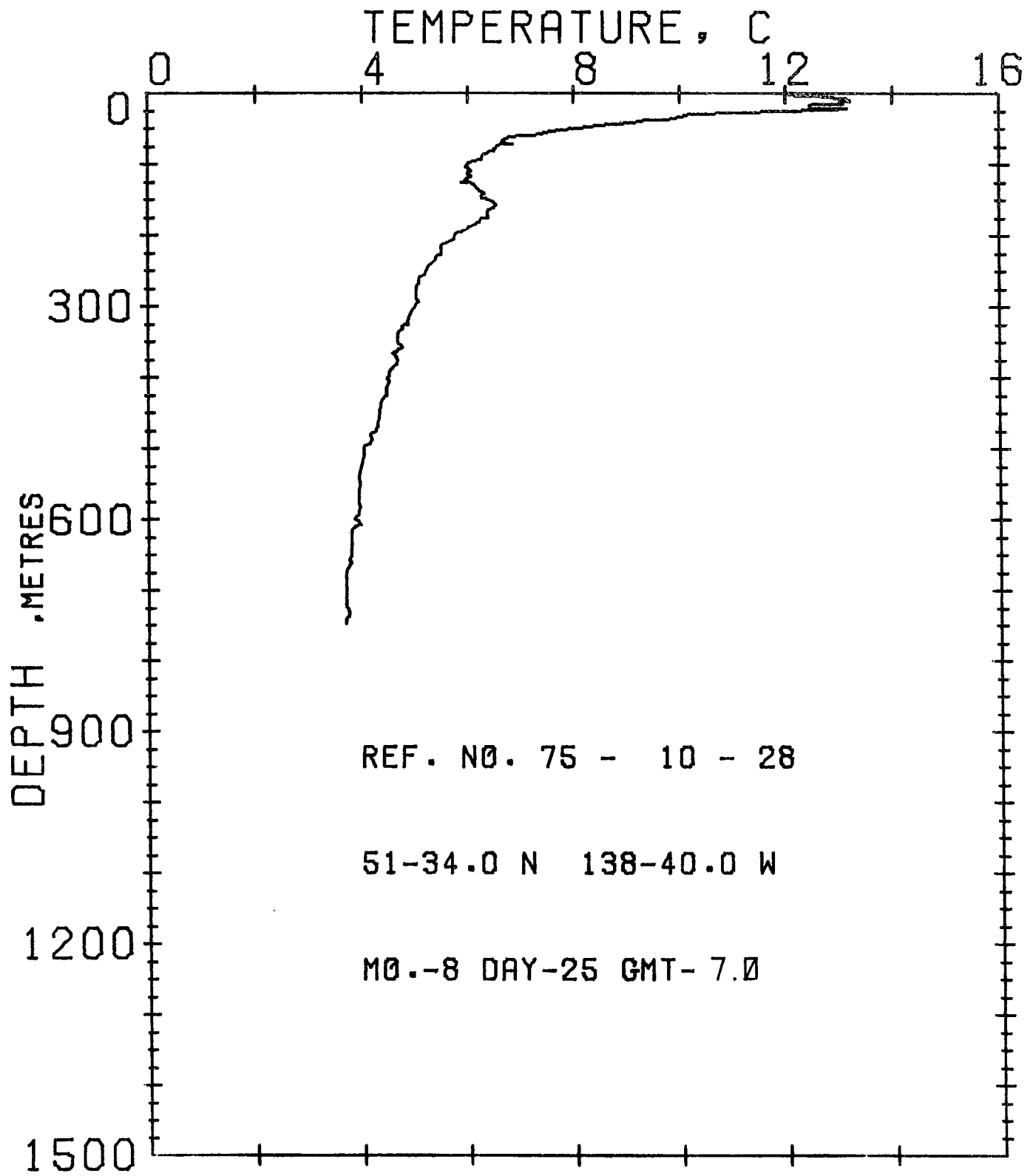
DATE 25/ 8/75

POSITION 51-38.0N 139-40.0W

GMT 1.8

RESULTS OF XBT CAST 113 POINTS TAKEN FROM ANALOG TRACE

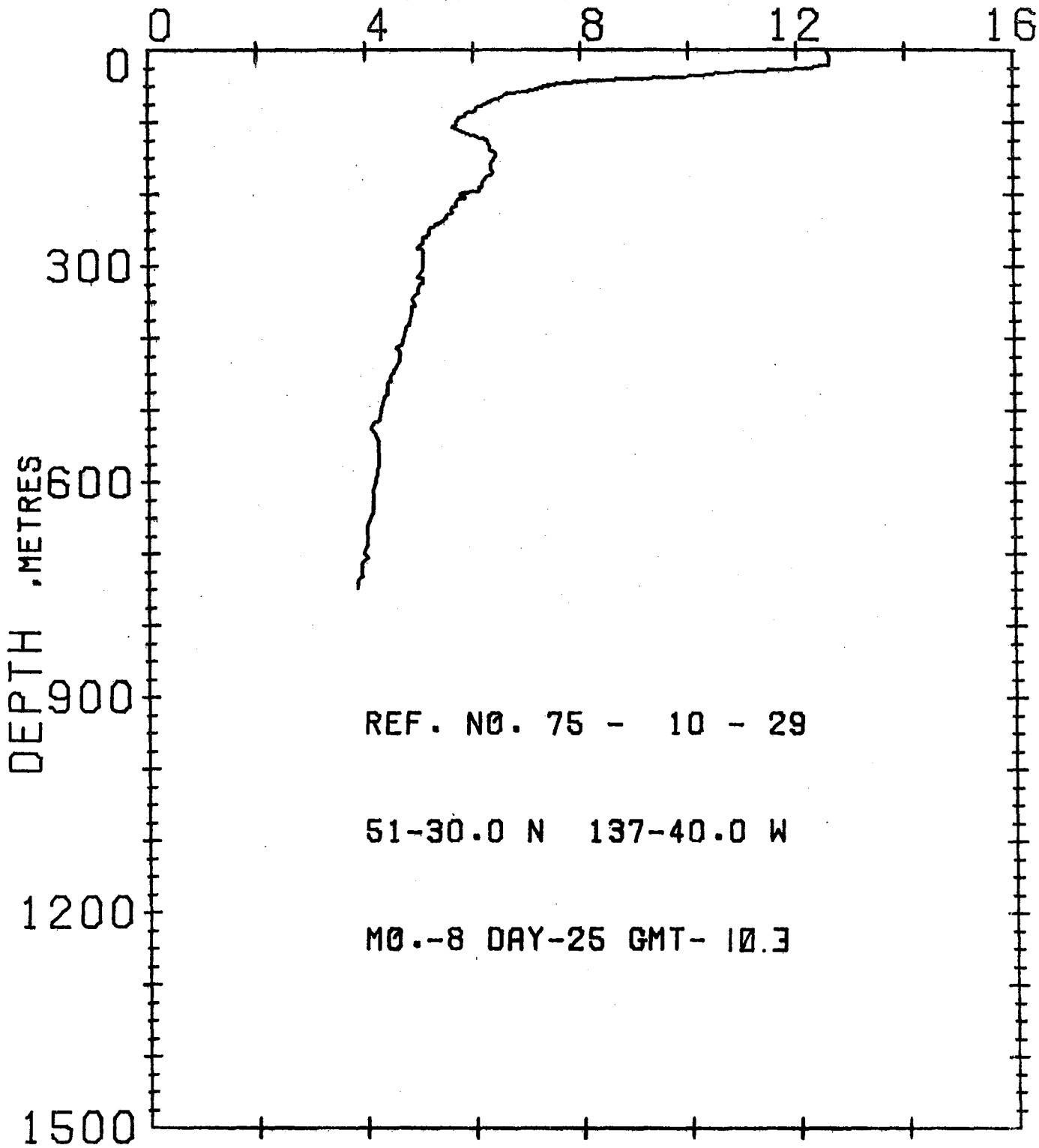
| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 3 | 11.68 | 103 | 5.01 | 311 | 4.35 |
| 6 | 11.62 | 106 | 4.96 | 315 | 4.30 |
| 10 | 11.62 | 109 | 4.90 | 320 | 4.30 |
| 14 | 11.62 | 129 | 4.90 | 348 | 4.13 |
| 16 | 11.62 | 131 | 4.96 | 361 | 4.13 |
| 18 | 11.57 | 134 | 5.07 | 364 | 4.13 |
| 21 | 11.42 | 137 | 5.07 | 368 | 4.07 |
| 24 | 11.32 | 140 | 5.12 | 371 | 4.13 |
| 28 | 11.32 | 144 | 5.12 | 380 | 4.07 |
| 32 | 11.32 | 150 | 5.12 | 388 | 4.07 |
| 34 | 11.26 | 157 | 5.12 | 393 | 4.07 |
| 35 | 11.21 | 159 | 5.12 | 397 | 4.07 |
| 37 | 10.59 | 160 | 5.12 | 402 | 4.07 |
| 38 | 9.86 | 164 | 5.07 | 410 | 4.02 |
| 44 | 7.87 | 176 | 5.01 | 424 | 4.02 |
| 45 | 7.81 | 180 | 4.90 | 444 | 4.02 |
| 46 | 7.65 | 191 | 4.79 | 457 | 3.96 |
| 47 | 7.44 | 197 | 4.74 | 461 | 3.96 |
| 48 | 7.23 | 206 | 4.79 | 467 | 3.85 |
| 49 | 7.12 | 207 | 4.74 | 519 | 3.91 |
| 51 | 7.18 | 211 | 4.68 | 535 | 3.85 |
| 52 | 7.07 | 216 | 4.63 | 539 | 3.85 |
| 54 | 6.96 | 219 | 4.63 | 562 | 3.85 |
| 61 | 6.69 | 222 | 4.57 | 570 | 3.85 |
| 62 | 6.64 | 223 | 4.57 | 577 | 3.85 |
| 63 | 6.59 | 228 | 4.57 | 585 | 3.80 |
| 65 | 6.48 | 235 | 4.52 | 596 | 3.74 |
| 66 | 6.32 | 239 | 4.52 | 599 | 3.74 |
| 68 | 6.20 | 244 | 4.52 | 611 | 3.74 |
| 70 | 6.15 | 251 | 4.46 | 638 | 3.68 |
| 73 | 5.94 | 261 | 4.52 | 660 | 3.68 |
| 84 | 5.34 | 271 | 4.46 | 692 | 3.68 |
| 85 | 5.28 | 279 | 4.41 | 693 | 3.57 |
| 89 | 5.28 | 284 | 4.41 | 722 | 3.57 |
| 92 | 5.18 | 291 | 4.35 | 734 | 3.52 |
| 96 | 5.12 | 298 | 4.30 | 743 | 3.52 |
| 98 | 5.12 | 304 | 4.30 | 749 | 3.52 |
| 99 | 5.07 | 308 | 4.35 | | |



OFFSHORE OCEANOGRAPHY
 REFERENCE NO. 75-10-28 DATE 25/ 8/75
 POSITION 51-34.0N 138-40.0W GMT 7.0 7.0
 RESULTS OF XBT CAST 173 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 12.14 | 106 | 5.99 | 352 | 4.68 |
| 1 | 12.09 | 109 | 6.05 | 358 | 4.74 |
| 2 | 12.09 | 112 | 5.99 | 361 | 4.68 |
| 3 | 12.19 | 114 | 5.99 | 364 | 4.63 |
| 5 | 12.45 | 118 | 6.05 | 367 | 4.57 |
| 6 | 12.86 | 120 | 5.99 | 372 | 4.63 |
| 7 | 12.91 | 122 | 5.94 | 376 | 4.68 |
| 8 | 13.06 | 123 | 5.99 | 382 | 4.63 |
| 9 | 13.11 | 125 | 5.88 | 388 | 4.57 |
| 11 | 13.21 | 127 | 5.94 | 392 | 4.52 |
| 12 | 13.01 | 128 | 6.10 | 398 | 4.52 |
| 14 | 13.01 | 130 | 6.10 | 402 | 4.46 |
| 15 | 13.06 | 135 | 6.15 | 406 | 4.52 |
| 16 | 12.86 | 137 | 6.21 | 415 | 4.46 |
| 17 | 12.55 | 139 | 6.26 | 423 | 4.46 |
| 18 | 12.45 | 142 | 6.32 | 426 | 4.46 |
| 20 | 12.45 | 144 | 6.26 | 429 | 4.41 |
| 21 | 12.45 | 146 | 6.26 | 436 | 4.35 |
| 22 | 13.11 | 148 | 6.26 | 467 | 4.30 |
| 23 | 12.86 | 150 | 6.37 | 471 | 4.30 |
| 24 | 12.45 | 154 | 6.48 | 477 | 4.24 |
| 25 | 12.14 | 158 | 6.53 | 482 | 4.13 |
| 27 | 11.68 | 163 | 6.48 | 488 | 4.18 |
| 28 | 11.42 | 166 | 6.37 | 494 | 4.13 |
| 29 | 10.90 | 172 | 6.37 | 498 | 4.02 |
| 30 | 10.49 | 175 | 6.37 | 510 | 4.02 |
| 31 | 10.23 | 177 | 6.26 | 534 | 3.96 |
| 33 | 10.13 | 182 | 6.21 | 541 | 3.91 |
| 35 | 9.92 | 185 | 6.15 | 548 | 3.96 |
| 37 | 9.76 | 189 | 5.99 | 552 | 3.96 |
| 38 | 9.39 | 195 | 5.88 | 561 | 3.91 |
| 41 | 9.13 | 198 | 5.77 | 577 | 3.91 |
| 45 | 8.77 | 205 | 5.72 | 584 | 3.96 |
| 47 | 8.45 | 208 | 5.67 | 590 | 3.91 |
| 48 | 8.34 | 212 | 5.56 | 595 | 3.91 |
| 51 | 8.03 | 214 | 5.50 | 600 | 3.85 |
| 53 | 7.55 | 218 | 5.50 | 604 | 3.91 |
| 57 | 7.39 | 223 | 5.50 | 609 | 3.96 |
| 59 | 7.28 | 227 | 5.50 | 613 | 3.85 |
| 60 | 7.01 | 228 | 5.45 | 616 | 3.80 |
| 62 | 6.85 | 232 | 5.39 | 653 | 3.80 |
| 64 | 6.75 | 234 | 5.39 | 659 | 3.74 |
| 66 | 6.69 | 246 | 5.23 | 662 | 3.80 |
| 69 | 6.64 | 255 | 5.18 | 667 | 3.74 |
| 70 | 6.69 | 260 | 5.07 | 673 | 3.68 |
| 71 | 6.69 | 269 | 5.07 | 683 | 3.68 |
| 72 | 6.85 | 271 | 5.01 | 694 | 3.68 |
| 73 | 6.69 | 290 | 5.01 | 696 | 3.68 |
| 74 | 6.59 | 294 | 5.07 | 712 | 3.68 |
| 77 | 6.53 | 298 | 5.01 | 724 | 3.68 |
| 80 | 6.48 | 309 | 4.90 | 730 | 3.74 |
| 81 | 6.48 | 323 | 4.85 | 733 | 3.74 |
| 84 | 6.37 | 326 | 4.85 | 739 | 3.74 |
| 91 | 6.26 | 329 | 4.74 | 741 | 3.68 |
| 94 | 6.26 | 332 | 4.74 | 744 | 3.68 |
| 97 | 6.10 | 337 | 4.68 | 747 | 3.68 |
| 100 | 5.99 | 343 | 4.68 | 748 | 3.68 |
| 103 | 5.94 | 349 | 4.68 | | |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 29

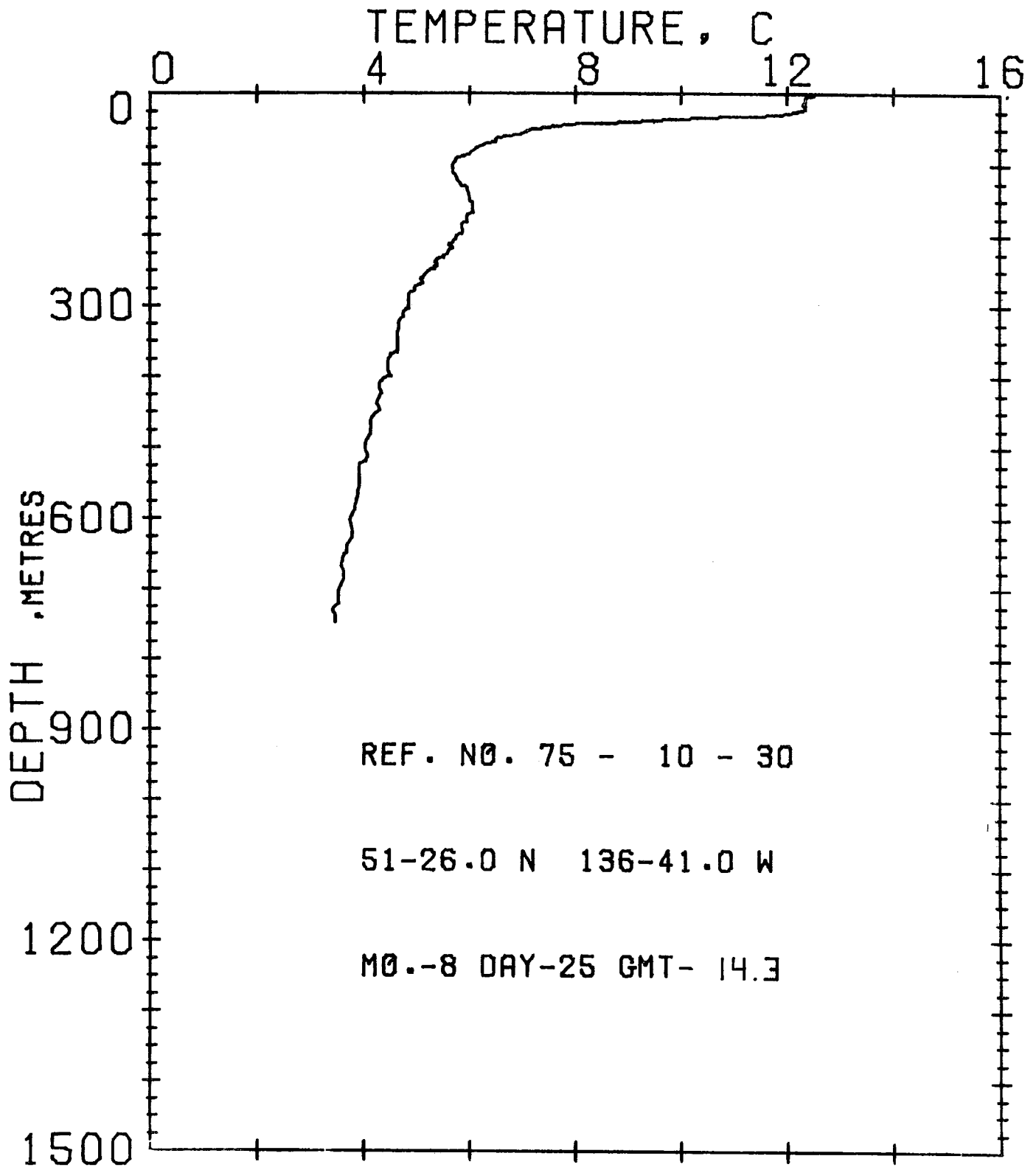
DATE 25/ 8/75

POSITION 51-30.0N 137-40.0W

GMT 10.3

RESULTS OF XBT CAST 134 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 3 | 12.55 | 159 | 6.32 | 356 | 4.90 |
| 10 | 12.60 | 166 | 6.32 | 357 | 4.85 |
| 17 | 12.60 | 171 | 6.37 | 368 | 4.85 |
| 21 | 12.60 | 180 | 6.21 | 382 | 4.79 |
| 22 | 12.45 | 186 | 6.15 | 386 | 4.74 |
| 26 | 12.29 | 190 | 6.15 | 410 | 4.68 |
| 27 | 12.19 | 191 | 6.10 | 415 | 4.57 |
| 29 | 11.73 | 196 | 6.10 | 421 | 4.63 |
| 33 | 10.59 | 197 | 5.99 | 431 | 4.63 |
| 36 | 10.28 | 199 | 5.88 | 441 | 4.57 |
| 38 | 9.71 | 201 | 5.77 | 447 | 4.52 |
| 40 | 8.98 | 203 | 5.83 | 452 | 4.46 |
| 41 | 8.34 | 206 | 5.83 | 460 | 4.46 |
| 44 | 7.97 | 207 | 5.77 | 463 | 4.41 |
| 46 | 7.76 | 212 | 5.67 | 473 | 4.41 |
| 49 | 7.39 | 216 | 5.67 | 478 | 4.41 |
| 50 | 7.39 | 220 | 5.61 | 481 | 4.35 |
| 52 | 7.28 | 223 | 5.56 | 515 | 4.24 |
| 57 | 7.01 | 226 | 5.61 | 521 | 4.13 |
| 61 | 6.64 | 232 | 5.50 | 525 | 4.07 |
| 67 | 6.48 | 234 | 5.50 | 529 | 4.13 |
| 69 | 6.42 | 237 | 5.45 | 535 | 4.18 |
| 71 | 6.32 | 240 | 5.39 | 544 | 4.24 |
| 74 | 6.26 | 242 | 5.34 | 573 | 4.24 |
| 76 | 6.15 | 244 | 5.28 | 600 | 4.18 |
| 80 | 6.05 | 249 | 5.18 | 612 | 4.13 |
| 84 | 6.05 | 257 | 5.18 | 620 | 4.13 |
| 88 | 5.88 | 259 | 5.12 | 626 | 4.13 |
| 92 | 5.83 | 261 | 5.07 | 635 | 4.13 |
| 95 | 5.72 | 264 | 5.07 | 641 | 4.13 |
| 96 | 5.72 | 268 | 5.07 | 649 | 4.07 |
| 103 | 5.67 | 275 | 4.96 | 663 | 4.02 |
| 108 | 5.61 | 278 | 5.07 | 671 | 4.02 |
| 113 | 5.72 | 282 | 5.07 | 677 | 4.02 |
| 117 | 5.94 | 291 | 5.07 | 688 | 4.02 |
| 120 | 6.05 | 301 | 5.07 | 699 | 3.96 |
| 123 | 6.21 | 307 | 5.07 | 707 | 4.02 |
| 127 | 6.26 | 315 | 4.96 | 715 | 3.91 |
| 130 | 6.26 | 317 | 5.07 | 724 | 3.91 |
| 134 | 6.32 | 324 | 5.07 | 732 | 3.91 |
| 138 | 6.32 | 326 | 5.01 | 739 | 3.85 |
| 140 | 6.32 | 334 | 4.96 | 744 | 3.85 |
| 143 | 6.42 | 336 | 4.96 | 747 | 3.85 |
| 149 | 6.42 | 339 | 4.96 | 748 | 3.85 |
| 154 | 6.37 | 346 | 4.85 | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 30

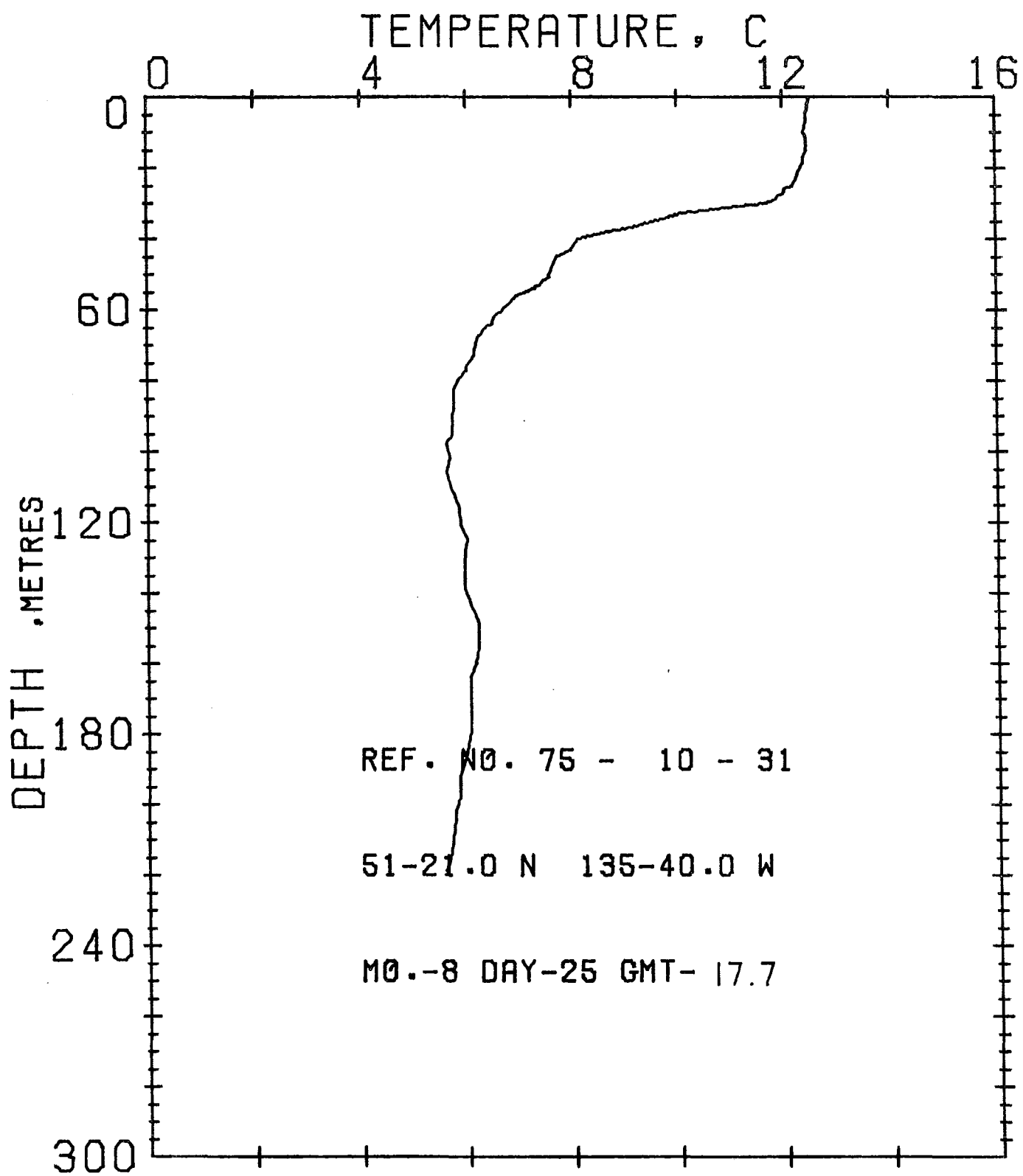
DATE 25/ 8/75

POSITION 51-26.0N 136-41.0W

GMT 14.3

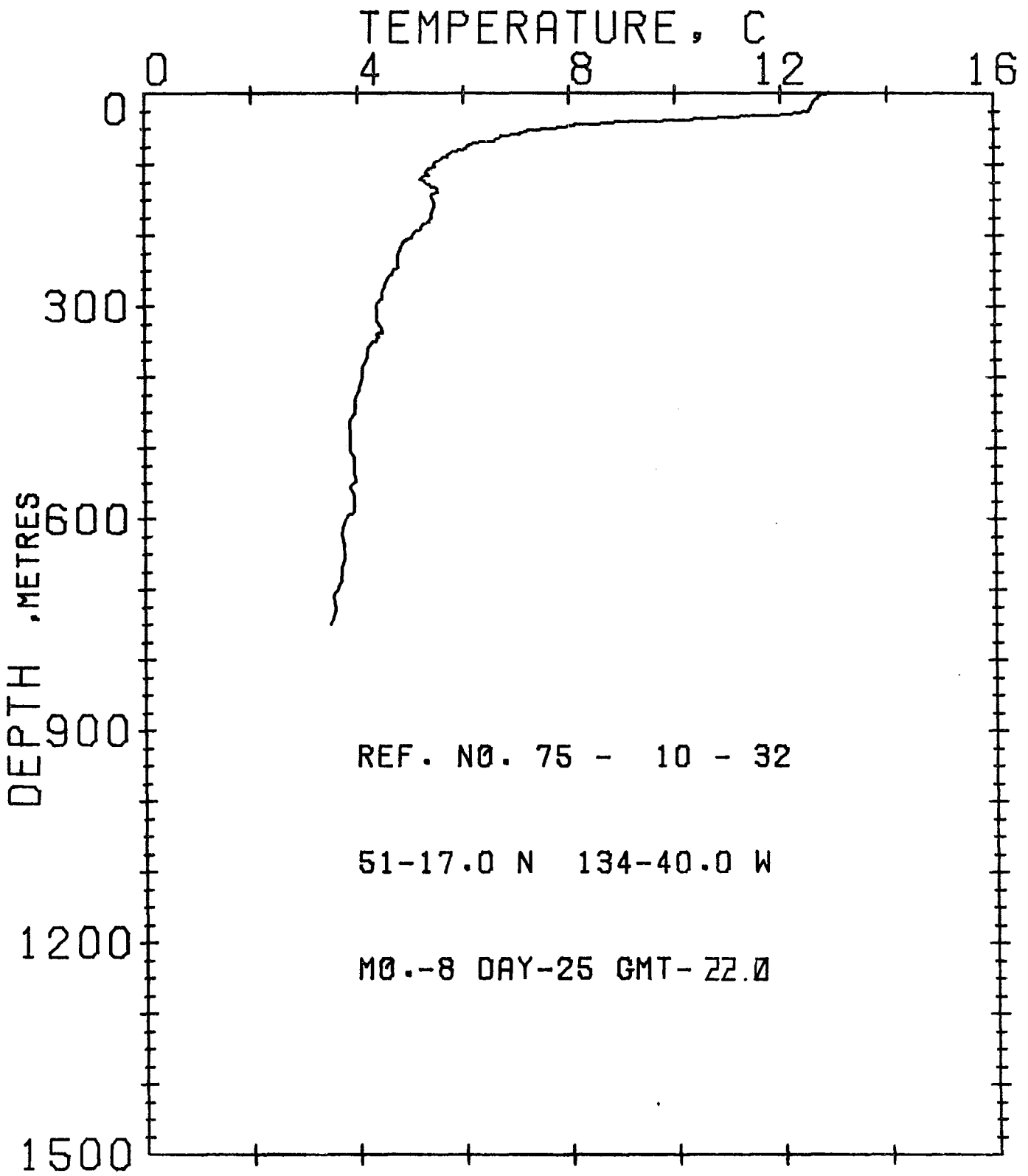
RESULTS OF XBT CAST 139 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 2 | 12.50 | 180 | 5.94 | 392 | 4.46 |
| 6 | 12.34 | 183 | 5.94 | 401 | 4.52 |
| 12 | 12.34 | 185 | 5.83 | 403 | 4.41 |
| 15 | 12.29 | 196 | 5.88 | 407 | 4.35 |
| 17 | 12.34 | 198 | 5.83 | 410 | 4.30 |
| 21 | 12.34 | 200 | 5.77 | 419 | 4.30 |
| 25 | 12.19 | 203 | 5.72 | 423 | 4.35 |
| 28 | 12.04 | 206 | 5.72 | 430 | 4.30 |
| 30 | 11.83 | 207 | 5.72 | 437 | 4.24 |
| 32 | 11.37 | 210 | 5.67 | 447 | 4.30 |
| 33 | 10.95 | 214 | 5.61 | 457 | 4.18 |
| 35 | 9.86 | 219 | 5.67 | 461 | 4.13 |
| 38 | 9.45 | 223 | 5.61 | 466 | 4.13 |
| 41 | 8.61 | 226 | 5.56 | 481 | 4.13 |
| 43 | 8.13 | 230 | 5.50 | 488 | 4.07 |
| 45 | 7.87 | 232 | 5.50 | 494 | 4.02 |
| 47 | 7.65 | 235 | 5.39 | 504 | 4.02 |
| 49 | 7.44 | 237 | 5.34 | 511 | 4.07 |
| 50 | 7.34 | 240 | 5.39 | 515 | 4.07 |
| 51 | 7.18 | 243 | 5.39 | 520 | 4.02 |
| 53 | 7.07 | 245 | 5.34 | 523 | 3.91 |
| 57 | 6.96 | 248 | 5.34 | 529 | 3.91 |
| 60 | 6.69 | 251 | 5.23 | 554 | 3.91 |
| 64 | 6.48 | 259 | 5.12 | 585 | 3.85 |
| 68 | 6.48 | 261 | 5.07 | 596 | 3.80 |
| 69 | 6.42 | 268 | 5.12 | 603 | 3.74 |
| 73 | 6.26 | 270 | 5.07 | 620 | 3.80 |
| 78 | 6.10 | 274 | 4.96 | 628 | 3.80 |
| 85 | 5.99 | 278 | 4.96 | 637 | 3.68 |
| 88 | 5.88 | 283 | 4.85 | 641 | 3.68 |
| 92 | 5.77 | 292 | 4.85 | 644 | 3.68 |
| 94 | 5.72 | 304 | 4.85 | 649 | 3.68 |
| 97 | 5.72 | 306 | 4.79 | 651 | 3.63 |
| 99 | 5.67 | 310 | 4.74 | 667 | 3.57 |
| 105 | 5.67 | 316 | 4.74 | 678 | 3.63 |
| 113 | 5.67 | 321 | 4.68 | 686 | 3.63 |
| 116 | 5.72 | 326 | 4.68 | 696 | 3.57 |
| 122 | 5.77 | 330 | 4.68 | 703 | 3.52 |
| 129 | 5.83 | 341 | 4.63 | 713 | 3.52 |
| 130 | 5.83 | 353 | 4.63 | 722 | 3.52 |
| 131 | 5.94 | 364 | 4.63 | 730 | 3.41 |
| 134 | 5.94 | 366 | 4.63 | 734 | 3.41 |
| 152 | 5.99 | 369 | 4.52 | 739 | 3.46 |
| 154 | 6.05 | 373 | 4.52 | 741 | 3.46 |
| 167 | 6.05 | 377 | 4.46 | 746 | 3.46 |
| 168 | 6.05 | 382 | 4.46 | 748 | 3.46 |
| 172 | 5.94 | | | | |



OFFSHORE OCEANOGRAPHY
 REFERENCE NO. 75- 10- 31 DATE 25/ 8/75
 POSITION 51-21.0N 135-40.0W GMT 17.7
 RESULTS OF XBT CAST 74 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 12.50 | 54 | 7.28 | 121 | 5.86 |
| 5 | 12.45 | 55 | 7.18 | 125 | 5.99 |
| 7 | 12.45 | 56 | 6.96 | 128 | 5.94 |
| 10 | 12.40 | 57 | 6.91 | 134 | 5.94 |
| 12 | 12.45 | 60 | 6.69 | 139 | 5.94 |
| 15 | 12.45 | 62 | 6.53 | 143 | 6.05 |
| 17 | 12.40 | 64 | 6.48 | 147 | 6.15 |
| 19 | 12.40 | 65 | 6.37 | 149 | 6.21 |
| 20 | 12.34 | 68 | 6.21 | 152 | 6.21 |
| 22 | 12.29 | 71 | 6.15 | 155 | 6.21 |
| 25 | 12.19 | 73 | 6.15 | 160 | 6.15 |
| 26 | 12.04 | 74 | 6.10 | 164 | 6.05 |
| 27 | 12.04 | 76 | 5.99 | 168 | 6.05 |
| 29 | 11.88 | 77 | 5.99 | 174 | 6.05 |
| 30 | 11.68 | 80 | 5.83 | 179 | 6.05 |
| 31 | 11.11 | 83 | 5.77 | 187 | 5.94 |
| 33 | 10.07 | 88 | 5.77 | 192 | 5.83 |
| 34 | 9.81 | 90 | 5.72 | 198 | 5.83 |
| 37 | 9.03 | 95 | 5.72 | 202 | 5.77 |
| 38 | 8.71 | 98 | 5.61 | 204 | 5.77 |
| 40 | 8.13 | 102 | 5.67 | 207 | 5.72 |
| 43 | 7.97 | 106 | 5.61 | 214 | 5.67 |
| 45 | 7.71 | 110 | 5.67 | 218 | 5.61 |
| 47 | 7.65 | 113 | 5.77 | 219 | 5.56 |
| 51 | 7.55 | 116 | 5.83 | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 32

DATE 25/ 8/75

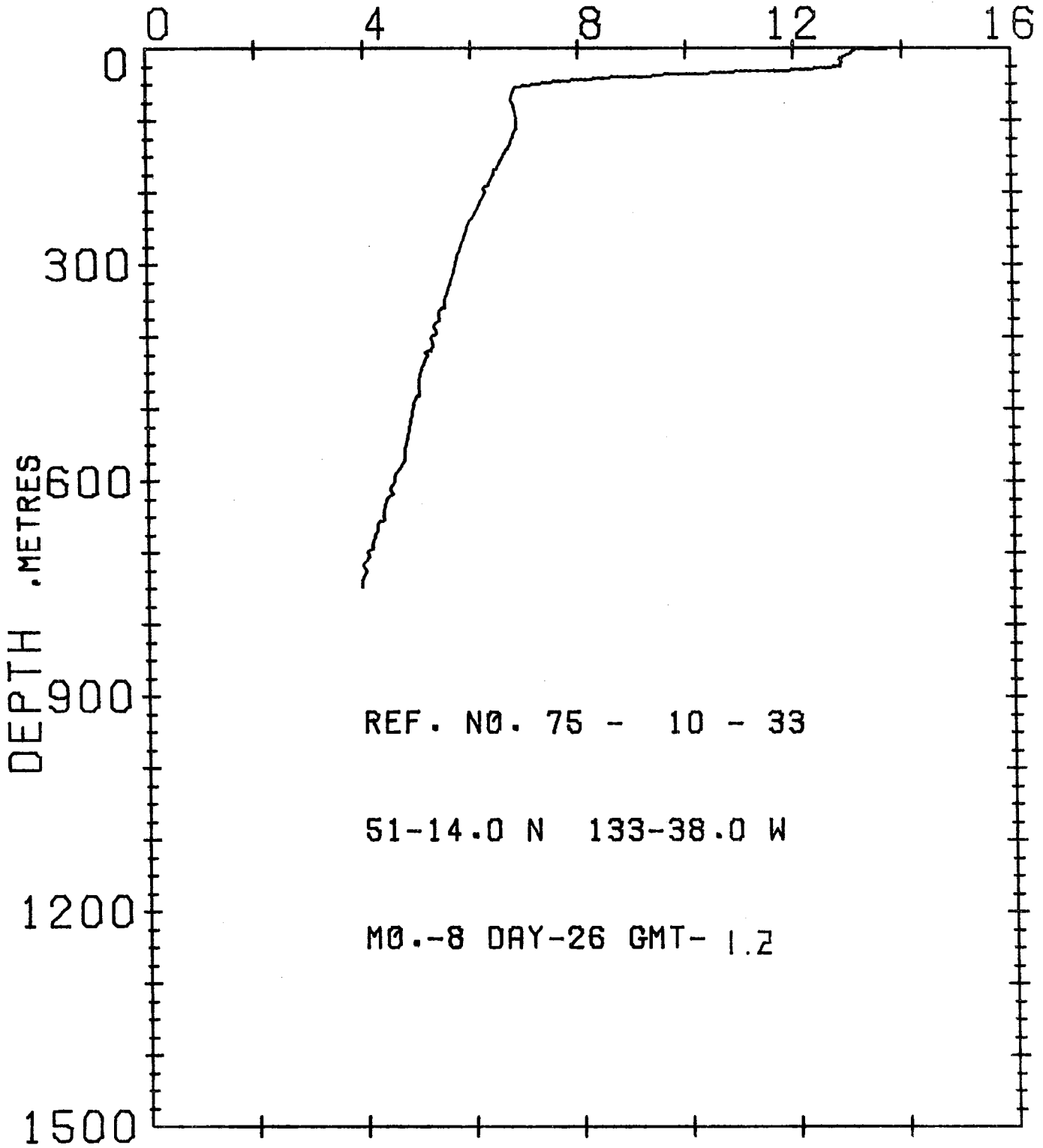
POSITION 51-17.0N 134-40.0W

GMT 22.0

RESULTS OF XBT CAST 110 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 12.91 | 105 | 5.45 | 333 | 4.46 |
| 3 | 12.75 | 108 | 5.34 | 337 | 4.46 |
| 9 | 12.70 | 112 | 5.28 | 340 | 4.35 |
| 13 | 12.60 | 116 | 5.34 | 343 | 4.41 |
| 22 | 12.55 | 119 | 5.23 | 349 | 4.35 |
| 26 | 12.50 | 122 | 5.18 | 351 | 4.30 |
| 28 | 12.34 | 125 | 5.28 | 359 | 4.18 |
| 31 | 12.14 | 131 | 5.39 | 372 | 4.18 |
| 32 | 11.88 | 135 | 5.50 | 387 | 4.07 |
| 33 | 11.47 | 140 | 5.50 | 400 | 4.07 |
| 34 | 11.01 | 143 | 5.39 | 419 | 4.02 |
| 37 | 10.13 | 148 | 5.39 | 429 | 3.96 |
| 39 | 9.45 | 154 | 5.45 | 452 | 3.96 |
| 40 | 8.98 | 159 | 5.45 | 461 | 3.85 |
| 41 | 8.77 | 167 | 5.39 | 479 | 3.85 |
| 44 | 8.45 | 177 | 5.39 | 496 | 3.85 |
| 45 | 8.19 | 182 | 5.34 | 505 | 3.85 |
| 47 | 8.08 | 186 | 5.23 | 514 | 3.91 |
| 48 | 7.87 | 192 | 5.18 | 522 | 3.91 |
| 51 | 7.71 | 198 | 5.07 | 534 | 3.91 |
| 52 | 7.28 | 204 | 5.01 | 548 | 3.96 |
| 54 | 7.18 | 208 | 4.90 | 556 | 3.85 |
| 58 | 7.07 | 212 | 4.85 | 567 | 3.91 |
| 59 | 6.75 | 221 | 4.79 | 590 | 3.91 |
| 60 | 6.75 | 228 | 4.74 | 598 | 3.80 |
| 62 | 6.69 | 239 | 4.74 | 608 | 3.74 |
| 67 | 6.59 | 246 | 4.74 | 622 | 3.68 |
| 69 | 6.32 | 250 | 4.68 | 639 | 3.74 |
| 72 | 6.15 | 255 | 4.63 | 659 | 3.74 |
| 74 | 6.10 | 261 | 4.57 | 670 | 3.68 |
| 78 | 6.05 | 272 | 4.52 | 688 | 3.68 |
| 81 | 5.80 | 282 | 4.46 | 697 | 3.63 |
| 84 | 5.77 | 290 | 4.46 | 710 | 3.52 |
| 88 | 5.67 | 293 | 4.41 | 729 | 3.57 |
| 90 | 5.67 | 300 | 4.35 | 742 | 3.52 |
| 93 | 5.56 | 323 | 4.35 | 749 | 3.46 |
| 100 | 5.45 | 329 | 4.41 | | |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 33

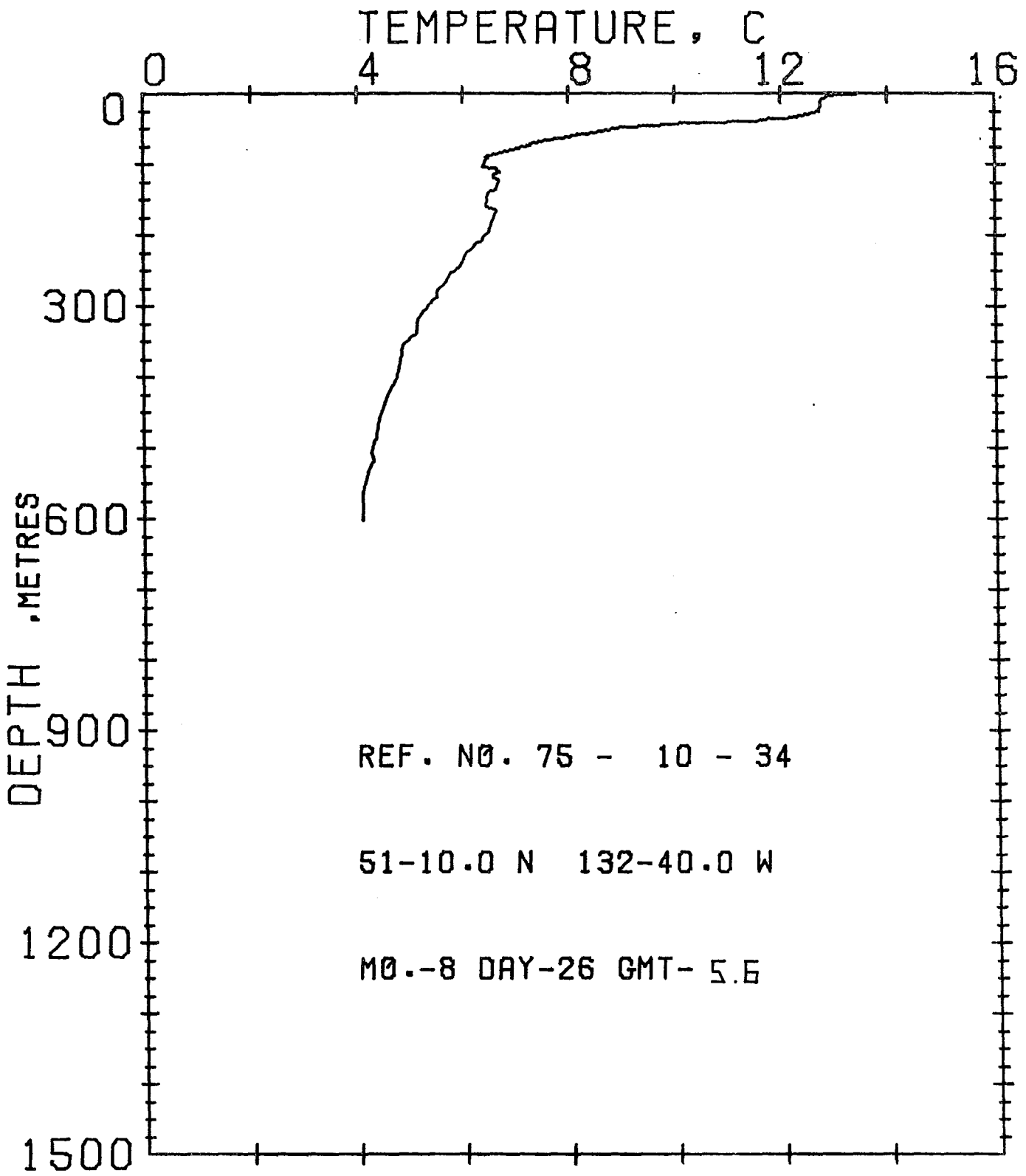
DATE 26/ 8/75

POSITION 51-14.0N 133-38.0W

GMT 1.2

RESULTS OF XBT CAST 88 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 13.72 | 139 | 6.69 | 446 | 5.07 |
| 2 | 13.21 | 147 | 6.64 | 460 | 5.01 |
| 5 | 13.11 | 159 | 6.53 | 470 | 5.01 |
| 9 | 13.06 | 167 | 6.48 | 482 | 5.01 |
| 14 | 12.91 | 168 | 6.42 | 484 | 4.96 |
| 15 | 12.86 | 175 | 6.42 | 495 | 4.90 |
| 20 | 12.91 | 190 | 6.32 | 517 | 4.85 |
| 26 | 12.86 | 195 | 6.21 | 540 | 4.79 |
| 29 | 12.55 | 201 | 6.26 | 559 | 4.74 |
| 30 | 12.24 | 215 | 6.15 | 571 | 4.74 |
| 32 | 11.62 | 232 | 6.05 | 581 | 4.68 |
| 33 | 11.16 | 245 | 5.94 | 592 | 4.57 |
| 34 | 10.70 | 264 | 5.88 | 601 | 4.57 |
| 35 | 10.18 | 291 | 5.72 | 613 | 4.46 |
| 36 | 9.71 | 309 | 5.67 | 619 | 4.52 |
| 37 | 9.50 | 329 | 5.61 | 627 | 4.41 |
| 39 | 9.29 | 334 | 5.56 | 641 | 4.35 |
| 40 | 8.82 | 351 | 5.50 | 654 | 4.35 |
| 41 | 8.45 | 360 | 5.50 | 660 | 4.24 |
| 44 | 8.13 | 363 | 5.45 | 669 | 4.24 |
| 46 | 7.65 | 367 | 5.39 | 678 | 4.18 |
| 50 | 7.23 | 379 | 5.39 | 687 | 4.13 |
| 54 | 6.85 | 386 | 5.28 | 695 | 4.13 |
| 61 | 6.80 | 396 | 5.34 | 701 | 4.02 |
| 72 | 6.75 | 403 | 5.23 | 707 | 4.07 |
| 83 | 6.80 | 415 | 5.28 | 717 | 3.96 |
| 98 | 6.85 | 420 | 5.23 | 727 | 4.02 |
| 113 | 6.85 | 422 | 5.12 | 739 | 3.96 |
| 122 | 6.80 | 427 | 5.18 | 747 | 3.96 |
| 131 | 6.75 | | | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 54

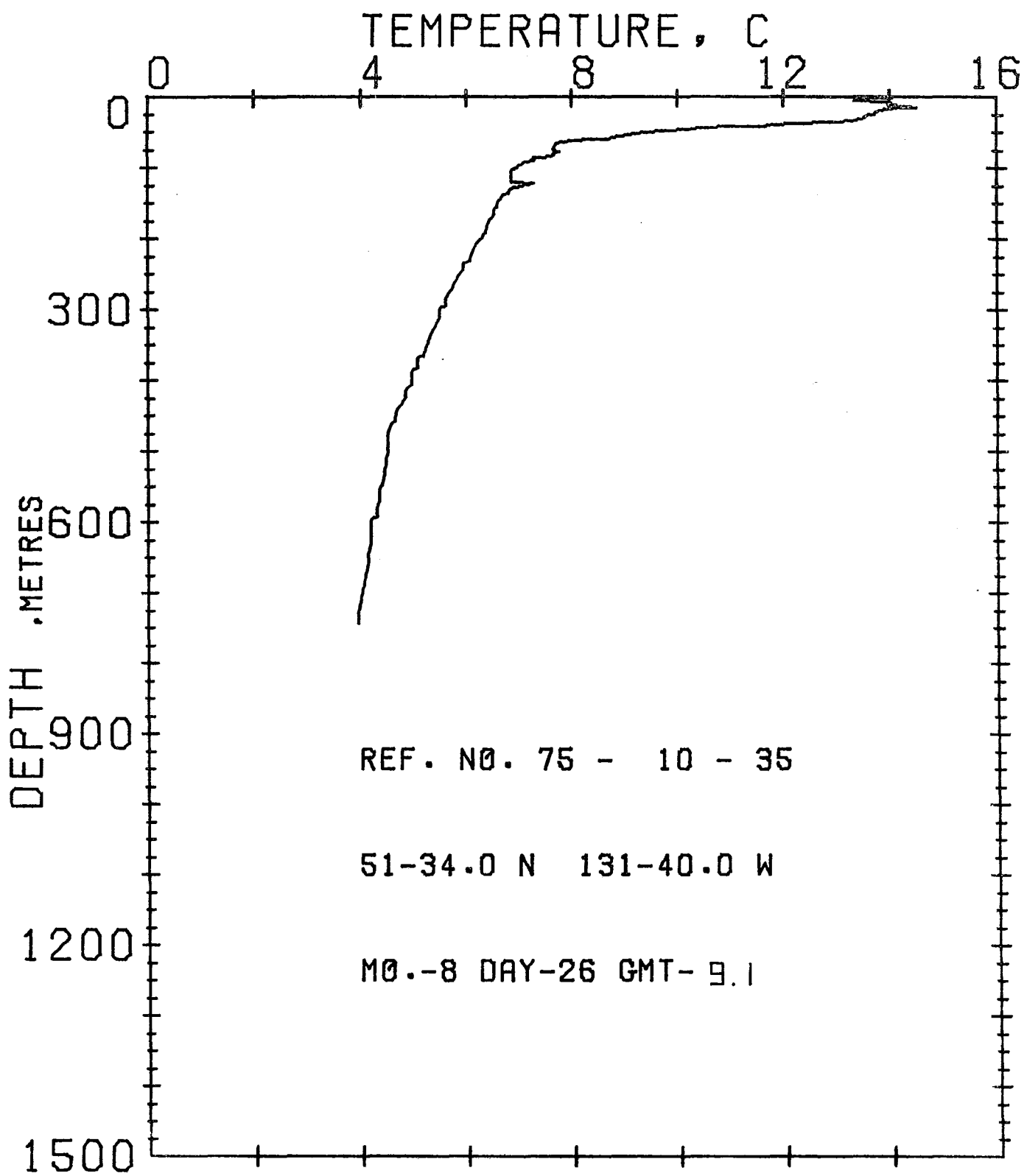
DATE 26/ 8/75

POSITION 51-10.0N 132-40.0W

GMT 5.6

RESULTS OF XBT CAST 77 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 13.42 | 96 | 6.42 | 309 | 5.23 |
| 2 | 13.06 | 103 | 6.37 | 321 | 5.12 |
| 6 | 12.80 | 104 | 6.42 | 338 | 5.12 |
| 11 | 12.75 | 106 | 6.48 | 348 | 4.96 |
| 18 | 12.75 | 107 | 6.64 | 355 | 4.85 |
| 27 | 12.70 | 109 | 6.64 | 379 | 4.79 |
| 34 | 12.29 | 111 | 6.64 | 401 | 4.74 |
| 35 | 12.04 | 112 | 6.69 | 412 | 4.68 |
| 36 | 11.83 | 116 | 6.59 | 415 | 4.63 |
| 39 | 11.52 | 121 | 6.59 | 425 | 4.57 |
| 40 | 11.26 | 123 | 6.69 | 438 | 4.52 |
| 41 | 10.75 | 136 | 6.64 | 460 | 4.41 |
| 43 | 10.23 | 140 | 6.48 | 482 | 4.35 |
| 46 | 9.60 | 160 | 6.42 | 487 | 4.33 |
| 49 | 9.03 | 165 | 6.64 | 492 | 4.30 |
| 54 | 8.61 | 195 | 6.48 | 508 | 4.24 |
| 57 | 8.34 | 203 | 6.37 | 520 | 4.30 |
| 58 | 8.19 | 207 | 6.37 | 526 | 4.24 |
| 62 | 8.03 | 216 | 6.21 | 534 | 4.18 |
| 63 | 7.87 | 229 | 6.05 | 549 | 4.13 |
| 66 | 7.60 | 243 | 5.94 | 565 | 4.07 |
| 71 | 7.28 | 253 | 5.77 | 570 | 4.07 |
| 74 | 7.28 | 266 | 5.67 | 581 | 4.07 |
| 77 | 7.07 | 280 | 5.50 | 597 | 4.07 |
| 90 | 6.42 | 287 | 5.50 | 602 | 4.07 |
| 93 | 6.48 | 296 | 5.39 | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 35

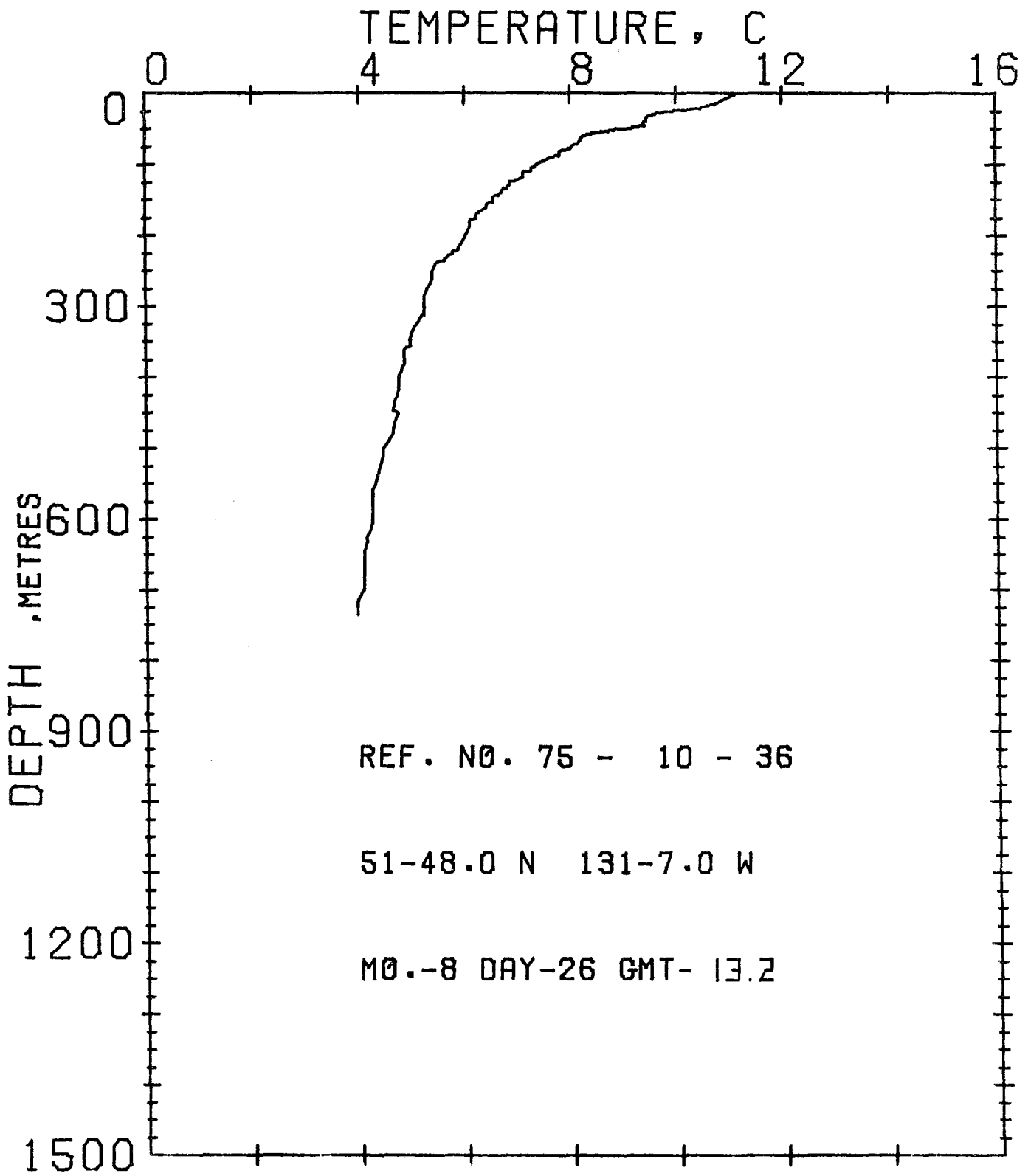
DATE 26/ 8/75

POSITION 51-34.0N 131-40.0W

GMT 9.1

RESULTS OF XBT CAST 101 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 14.03 | 80 | 7.65 | 356 | 5.23 |
| 2 | 13.67 | 83 | 7.65 | 365 | 5.18 |
| 3 | 13.37 | 86 | 7.50 | 368 | 5.07 |
| 6 | 13.32 | 87 | 7.28 | 379 | 5.07 |
| 7 | 13.88 | 89 | 7.28 | 382 | 5.07 |
| 9 | 13.98 | 94 | 7.07 | 387 | 4.96 |
| 10 | 14.03 | 99 | 6.96 | 393 | 4.96 |
| 11 | 13.98 | 101 | 6.91 | 406 | 4.96 |
| 13 | 14.28 | 103 | 6.85 | 415 | 4.85 |
| 14 | 14.28 | 120 | 6.85 | 423 | 4.85 |
| 15 | 14.49 | 122 | 7.28 | 443 | 4.68 |
| 17 | 14.16 | 125 | 7.07 | 458 | 4.63 |
| 19 | 13.93 | 129 | 6.85 | 464 | 4.57 |
| 22 | 13.77 | 136 | 6.80 | 477 | 4.52 |
| 25 | 13.72 | 139 | 6.69 | 498 | 4.52 |
| 27 | 13.62 | 151 | 6.59 | 529 | 4.46 |
| 30 | 13.52 | 156 | 6.59 | 534 | 4.46 |
| 34 | 13.37 | 160 | 6.53 | 547 | 4.41 |
| 36 | 12.91 | 165 | 6.53 | 554 | 4.35 |
| 37 | 12.19 | 178 | 6.42 | 557 | 4.35 |
| 40 | 11.83 | 192 | 6.37 | 571 | 4.35 |
| 41 | 11.52 | 207 | 6.21 | 582 | 4.30 |
| 43 | 10.90 | 220 | 6.10 | 591 | 4.30 |
| 46 | 10.18 | 231 | 6.05 | 597 | 4.18 |
| 50 | 9.39 | 236 | 5.94 | 601 | 4.18 |
| 55 | 9.03 | 243 | 5.94 | 607 | 4.18 |
| 59 | 8.86 | 253 | 5.83 | 633 | 4.18 |
| 60 | 8.34 | 268 | 5.77 | 646 | 4.13 |
| 62 | 8.08 | 284 | 5.61 | 657 | 4.13 |
| 65 | 7.81 | 295 | 5.61 | 676 | 4.07 |
| 68 | 7.71 | 300 | 5.50 | 697 | 4.02 |
| 74 | 7.65 | 312 | 5.50 | 730 | 3.96 |
| 77 | 7.71 | 334 | 5.34 | 744 | 3.96 |
| 78 | 7.76 | 346 | 5.28 | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 36

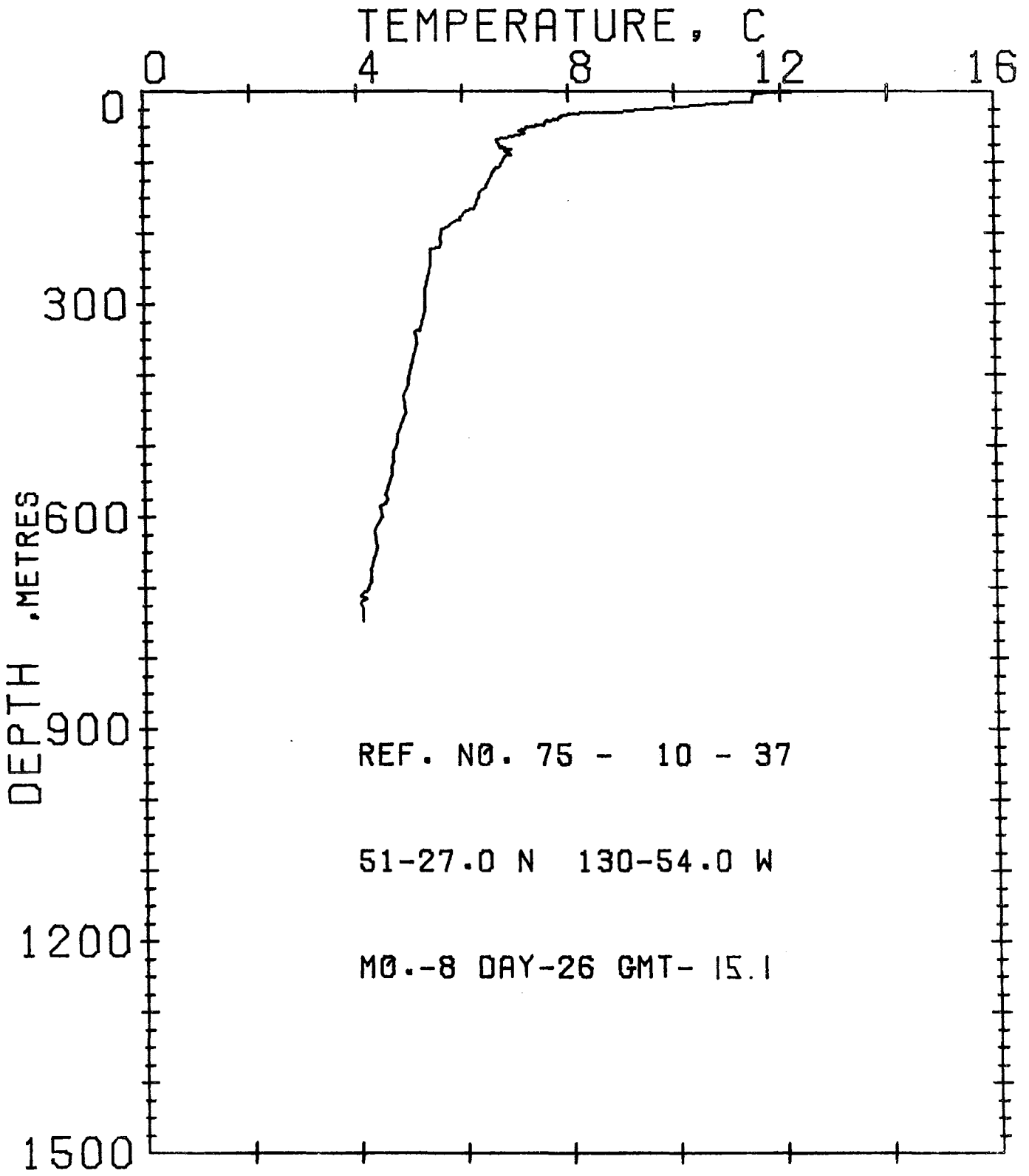
DATE 26/ 8/75

POSITION 51-48.0N 131- 7.0W

GMT 13.2

RESULTS OF XBT CAST 106 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 11.11 | 103 | 7.34 | 293 | 5.23 |
| 2 | 11.11 | 105 | 7.28 | 301 | 5.23 |
| 3 | 11.06 | 109 | 7.28 | 308 | 5.23 |
| 6 | 11.01 | 110 | 7.12 | 312 | 5.23 |
| 8 | 10.95 | 119 | 7.12 | 314 | 5.18 |
| 12 | 10.85 | 123 | 6.96 | 323 | 5.12 |
| 16 | 10.75 | 124 | 6.85 | 335 | 5.01 |
| 19 | 10.59 | 130 | 6.85 | 348 | 4.96 |
| 22 | 10.44 | 134 | 6.80 | 356 | 4.96 |
| 24 | 10.13 | 135 | 6.75 | 362 | 4.85 |
| 26 | 9.81 | 140 | 6.69 | 380 | 4.85 |
| 28 | 9.76 | 144 | 6.64 | 400 | 4.74 |
| 29 | 9.71 | 146 | 6.53 | 420 | 4.74 |
| 30 | 9.60 | 153 | 6.53 | 435 | 4.68 |
| 33 | 9.55 | 157 | 6.42 | 448 | 4.63 |
| 34 | 9.45 | 161 | 6.42 | 452 | 4.74 |
| 39 | 9.45 | 167 | 6.26 | 462 | 4.68 |
| 42 | 9.39 | 171 | 6.21 | 478 | 4.63 |
| 43 | 9.39 | 175 | 6.21 | 490 | 4.57 |
| 46 | 9.39 | 179 | 6.10 | 500 | 4.46 |
| 48 | 9.29 | 182 | 6.10 | 510 | 4.46 |
| 50 | 9.03 | 188 | 6.10 | 526 | 4.41 |
| 51 | 8.92 | 196 | 6.05 | 540 | 4.35 |
| 52 | 8.82 | 204 | 5.99 | 560 | 4.24 |
| 53 | 8.71 | 220 | 5.88 | 578 | 4.24 |
| 56 | 8.45 | 226 | 5.77 | 607 | 4.24 |
| 58 | 8.40 | 230 | 5.67 | 621 | 4.18 |
| 59 | 8.29 | 233 | 5.61 | 625 | 4.13 |
| 62 | 8.24 | 236 | 5.61 | 632 | 4.13 |
| 69 | 8.19 | 239 | 5.50 | 646 | 4.07 |
| 77 | 8.03 | 242 | 5.45 | 666 | 4.07 |
| 83 | 7.81 | 251 | 5.39 | 686 | 4.07 |
| 88 | 7.81 | 261 | 5.39 | 699 | 4.07 |
| 90 | 7.65 | 278 | 5.28 | 718 | 3.96 |
| 95 | 7.50 | 289 | 5.23 | 736 | 3.96 |
| 99 | 7.39 | | | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 57

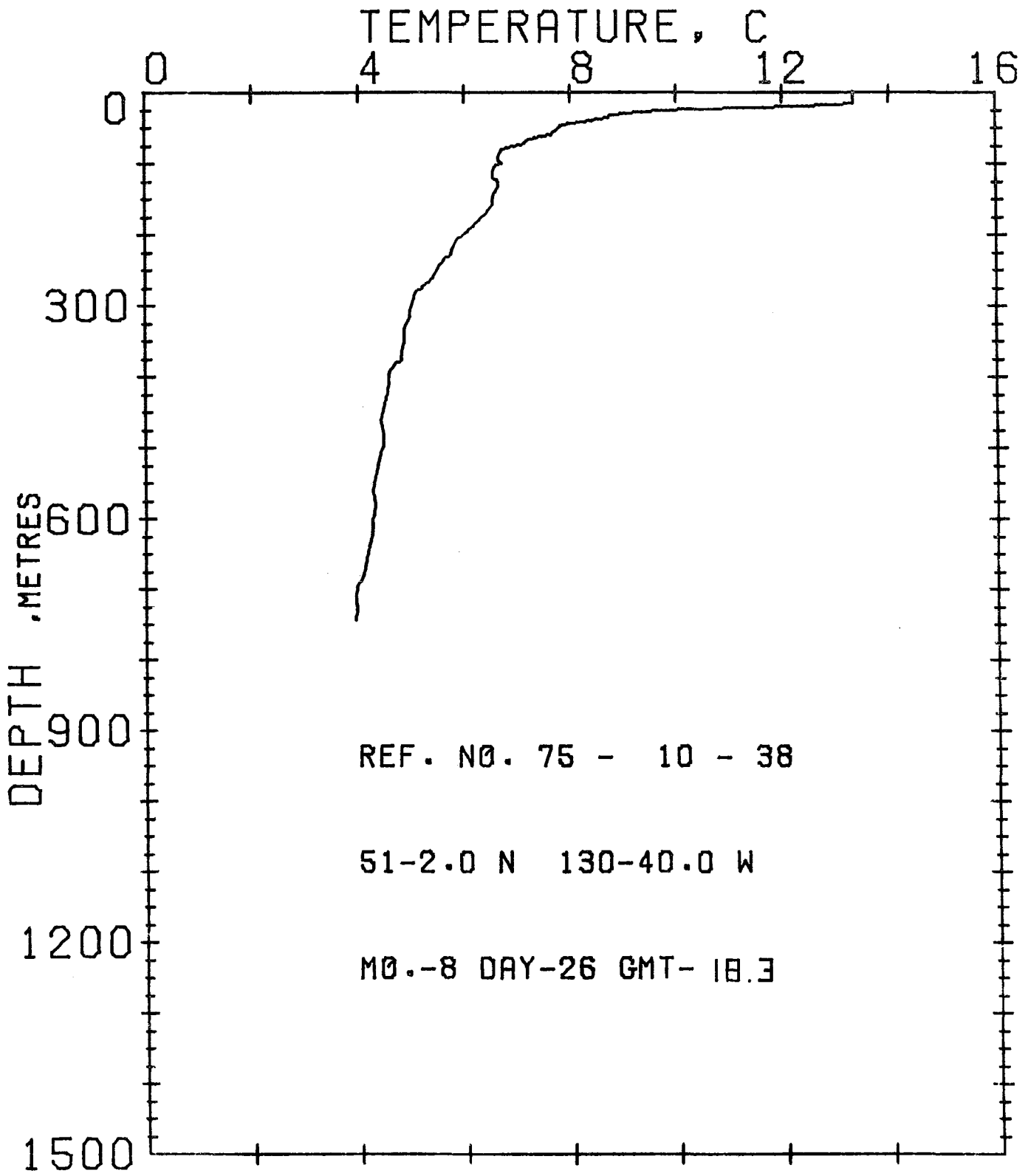
DATE 26/ 8/75

POSITION 51-27.0N 130-54.0W

GMT 15.1

RESULTS OF XBT CAST 95 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 12.19 | 99 | 6.75 | 358 | 5.12 |
| 2 | 11.83 | 107 | 6.69 | 372 | 5.07 |
| 4 | 11.52 | 113 | 6.59 | 389 | 5.01 |
| 16 | 11.47 | 121 | 6.53 | 404 | 4.96 |
| 17 | 11.37 | 129 | 6.48 | 414 | 4.96 |
| 18 | 10.75 | 136 | 6.42 | 430 | 4.85 |
| 20 | 10.44 | 144 | 6.32 | 454 | 4.90 |
| 21 | 10.13 | 150 | 6.32 | 473 | 4.79 |
| 24 | 9.86 | 157 | 6.26 | 483 | 4.74 |
| 26 | 9.45 | 161 | 6.26 | 496 | 4.74 |
| 28 | 9.13 | 165 | 6.21 | 510 | 4.68 |
| 30 | 8.98 | 167 | 6.10 | 522 | 4.68 |
| 31 | 8.45 | 170 | 6.05 | 529 | 4.63 |
| 33 | 8.03 | 175 | 5.99 | 542 | 4.63 |
| 35 | 7.87 | 178 | 5.94 | 560 | 4.57 |
| 39 | 7.81 | 181 | 5.94 | 568 | 4.52 |
| 42 | 7.60 | 185 | 5.83 | 576 | 4.57 |
| 48 | 7.55 | 190 | 5.77 | 581 | 4.52 |
| 50 | 7.23 | 196 | 5.61 | 586 | 4.41 |
| 53 | 7.18 | 200 | 5.61 | 600 | 4.46 |
| 56 | 7.07 | 204 | 5.56 | 621 | 4.30 |
| 59 | 7.13 | 210 | 5.56 | 644 | 4.35 |
| 63 | 6.96 | 213 | 5.61 | 660 | 4.30 |
| 67 | 6.64 | 220 | 5.56 | 673 | 4.24 |
| 73 | 6.64 | 223 | 5.39 | 692 | 4.24 |
| 77 | 6.69 | 243 | 5.39 | 702 | 4.16 |
| 78 | 6.75 | 282 | 5.28 | 712 | 4.02 |
| 80 | 6.69 | 310 | 5.28 | 716 | 4.13 |
| 82 | 6.91 | 327 | 5.23 | 722 | 4.02 |
| 84 | 6.80 | 338 | 5.18 | 733 | 4.07 |
| 89 | 6.91 | 340 | 5.07 | 747 | 4.07 |
| 92 | 6.80 | 349 | 5.12 | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 38

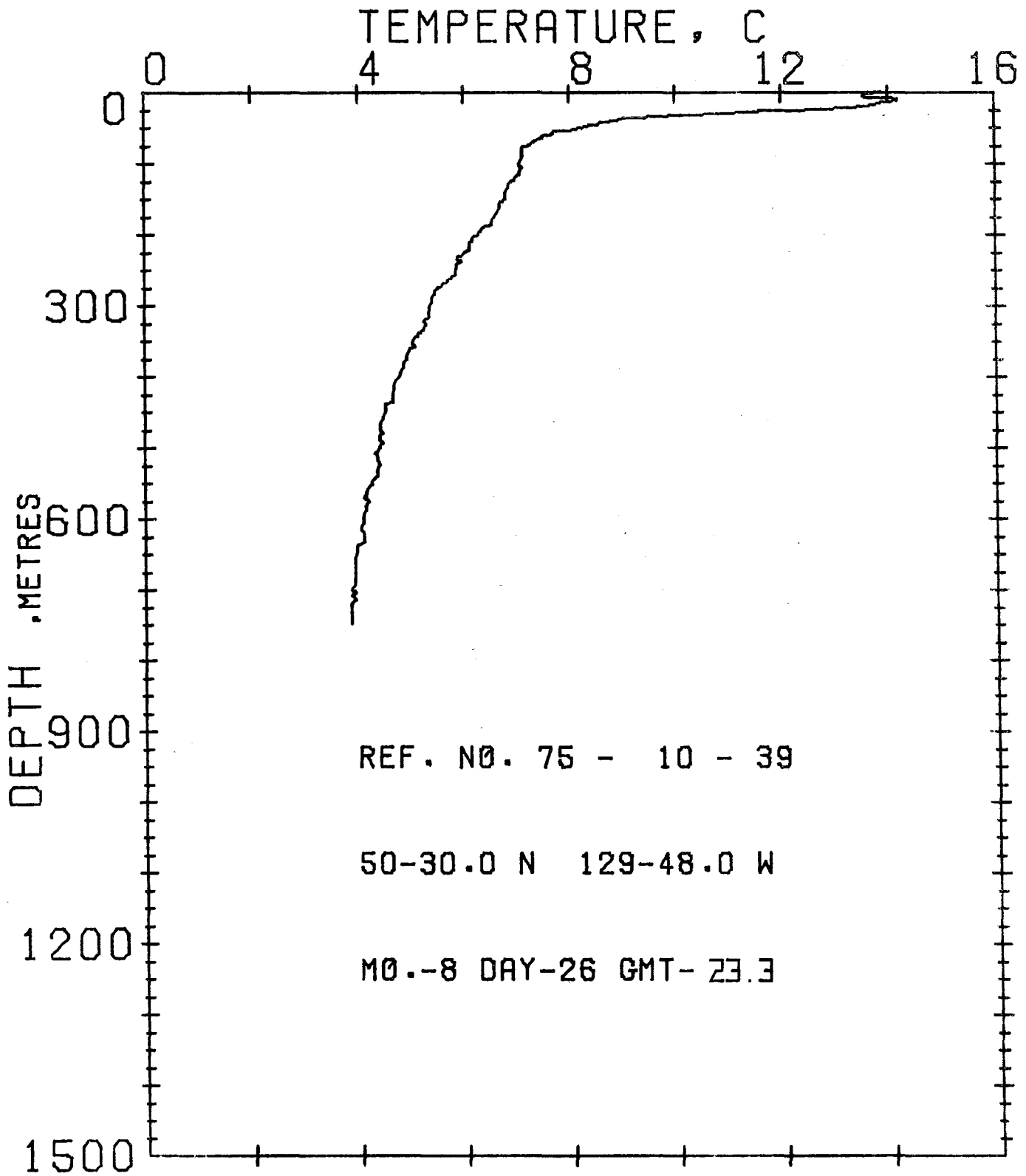
DATE 26/ 8/75

POSITION 51- 2.0N 130-40.0W

GMT 18.3

RESULTS OF XBT CAST 73 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 13.32 | 120 | 6.53 | 366 | 4.79 |
| 10 | 13.32 | 126 | 6.64 | 375 | 4.79 |
| 16 | 13.32 | 131 | 6.64 | 384 | 4.60 |
| 19 | 13.01 | 139 | 6.59 | 397 | 4.57 |
| 21 | 11.47 | 146 | 6.53 | 409 | 4.57 |
| 24 | 10.28 | 153 | 6.53 | 431 | 4.52 |
| 29 | 9.34 | 158 | 6.53 | 462 | 4.41 |
| 32 | 8.77 | 168 | 6.42 | 482 | 4.40 |
| 36 | 8.71 | 180 | 6.26 | 498 | 4.46 |
| 40 | 8.40 | 187 | 6.15 | 508 | 4.41 |
| 42 | 8.29 | 197 | 6.05 | 526 | 4.35 |
| 45 | 7.97 | 206 | 5.88 | 542 | 4.30 |
| 49 | 7.81 | 220 | 5.77 | 561 | 4.24 |
| 61 | 7.65 | 228 | 5.72 | 582 | 4.30 |
| 64 | 7.34 | 236 | 5.61 | 604 | 4.24 |
| 67 | 7.18 | 248 | 5.50 | 619 | 4.24 |
| 72 | 7.12 | 261 | 5.39 | 622 | 4.24 |
| 75 | 6.96 | 275 | 5.18 | 637 | 4.18 |
| 78 | 6.80 | 281 | 5.07 | 659 | 4.13 |
| 82 | 6.69 | 296 | 5.01 | 679 | 4.07 |
| 89 | 6.64 | 308 | 4.96 | 696 | 3.96 |
| 96 | 6.64 | 316 | 4.96 | 714 | 3.91 |
| 99 | 6.69 | 331 | 4.85 | 730 | 3.90 |
| 104 | 6.59 | 352 | 4.85 | 744 | 3.91 |
| 110 | 6.53 | | | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75-10-39

DATE 26/ 8/75

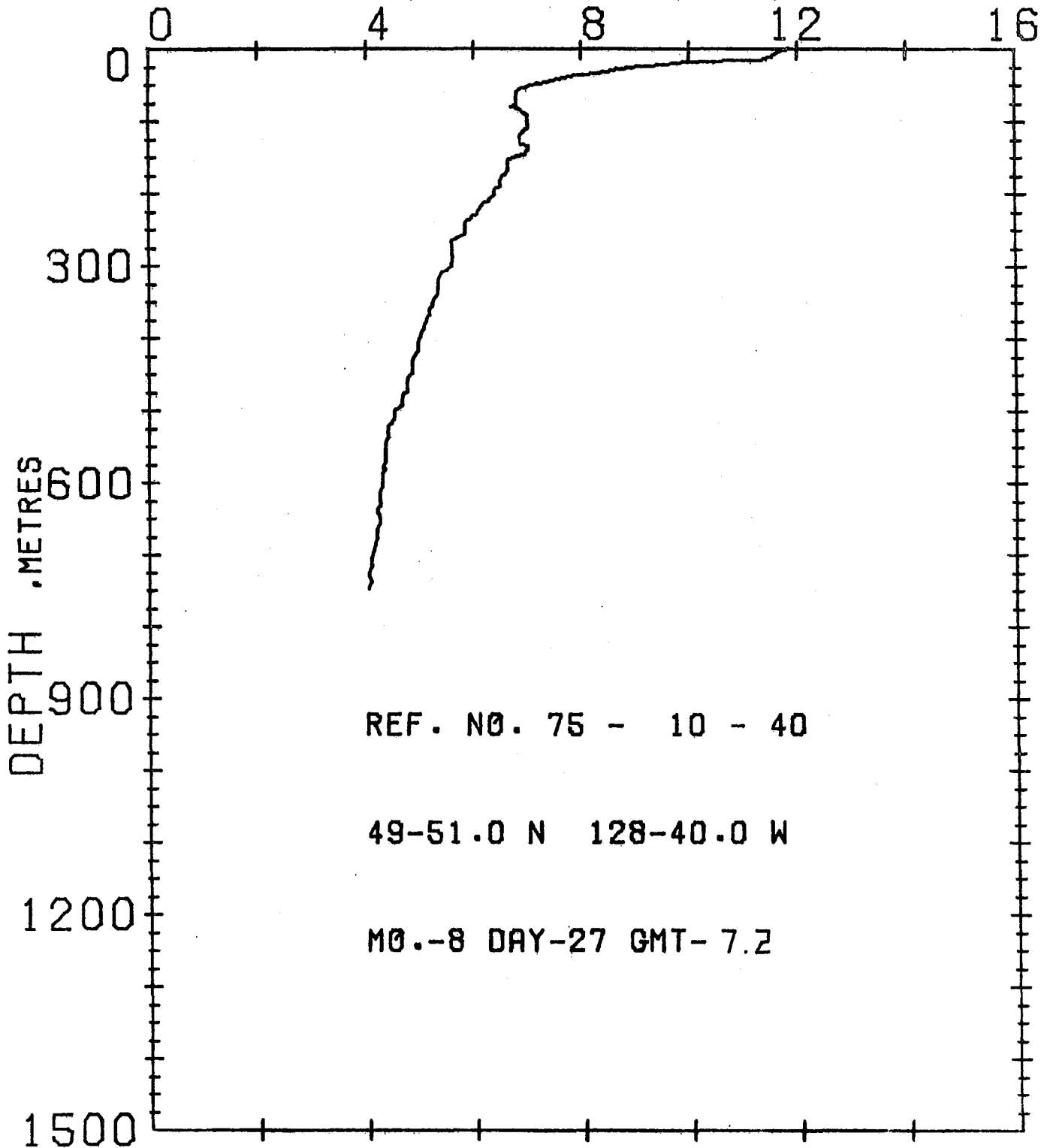
POSITION 50-30.0N 129-48.0W

GMT 23.3

RESULTS OF XBT CAST 198 POINTS TAKEN FROM ANALOG TRACE

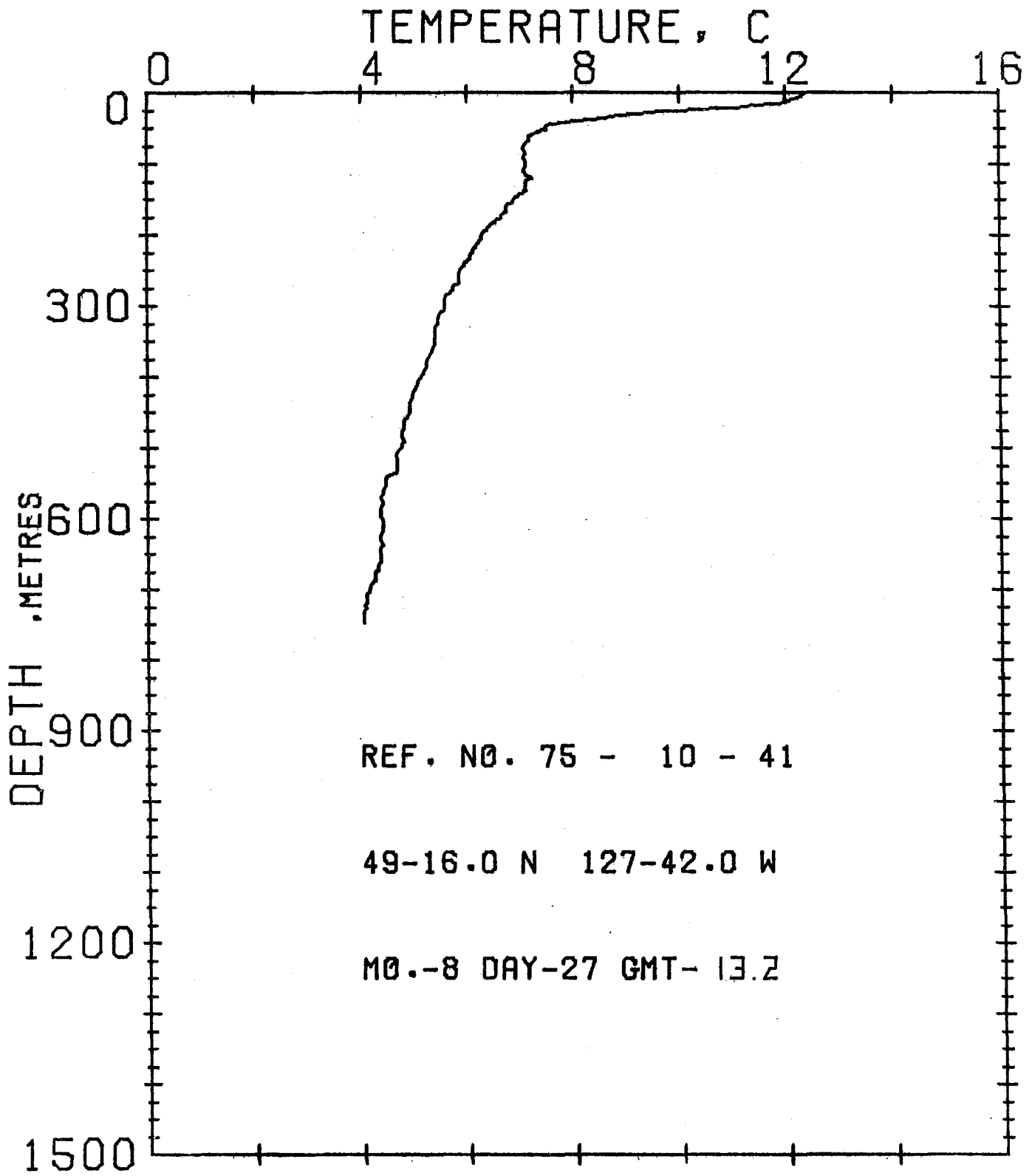
| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 13.88 | 139 | 6.80 | 443 | 4.52 |
| 2 | 13.62 | 145 | 6.80 | 447 | 4.52 |
| 6 | 13.52 | 150 | 6.80 | 451 | 4.52 |
| 7 | 13.57 | 154 | 6.75 | 457 | 4.46 |
| 8 | 13.72 | 157 | 6.69 | 460 | 4.46 |
| 9 | 13.98 | 163 | 6.69 | 466 | 4.41 |
| 10 | 14.18 | 171 | 6.64 | 470 | 4.41 |
| 12 | 14.18 | 177 | 6.59 | 473 | 4.41 |
| 13 | 14.03 | 182 | 6.53 | 477 | 4.41 |
| 14 | 13.93 | 186 | 6.53 | 480 | 4.46 |
| 16 | 13.83 | 188 | 6.48 | 483 | 4.41 |
| 18 | 13.77 | 191 | 6.37 | 486 | 4.41 |
| 19 | 13.72 | 196 | 6.32 | 490 | 4.41 |
| 20 | 13.62 | 201 | 6.26 | 493 | 4.46 |
| 21 | 13.26 | 205 | 6.15 | 497 | 4.41 |
| 22 | 13.11 | 207 | 6.15 | 500 | 4.41 |
| 23 | 12.91 | 209 | 6.15 | 505 | 4.35 |
| 24 | 12.60 | 212 | 6.10 | 508 | 4.30 |
| 25 | 12.29 | 215 | 6.10 | 512 | 4.35 |
| 26 | 11.78 | 221 | 6.10 | 516 | 4.35 |
| 27 | 11.62 | 224 | 6.05 | 518 | 4.35 |
| 28 | 11.57 | 226 | 5.99 | 524 | 4.41 |
| 29 | 11.37 | 233 | 5.88 | 530 | 4.35 |
| 30 | 10.95 | 239 | 5.94 | 535 | 4.35 |
| 31 | 10.64 | 242 | 5.88 | 540 | 4.35 |
| 32 | 10.44 | 246 | 5.88 | 543 | 4.30 |
| 33 | 10.07 | 251 | 5.83 | 548 | 4.24 |
| 34 | 9.71 | 255 | 5.83 | 550 | 4.24 |
| 35 | 9.24 | 259 | 5.77 | 552 | 4.24 |
| 36 | 9.03 | 261 | 5.77 | 556 | 4.18 |
| 39 | 8.92 | 264 | 5.67 | 561 | 4.13 |
| 40 | 8.82 | 266 | 5.67 | 568 | 4.13 |
| 42 | 8.77 | 271 | 5.56 | 571 | 4.07 |
| 43 | 8.61 | 275 | 5.50 | 577 | 4.18 |
| 46 | 8.55 | 280 | 5.45 | 581 | 4.13 |
| 47 | 8.40 | 283 | 5.45 | 584 | 4.13 |
| 50 | 8.24 | 287 | 5.39 | 589 | 4.13 |
| 52 | 8.13 | 297 | 5.39 | 595 | 4.07 |
| 53 | 8.03 | 302 | 5.34 | 601 | 4.07 |
| 54 | 7.76 | 308 | 5.34 | 605 | 4.07 |
| 56 | 7.71 | 316 | 5.34 | 612 | 4.02 |
| 58 | 7.71 | 321 | 5.23 | 616 | 4.02 |
| 59 | 7.65 | 325 | 5.28 | 621 | 4.07 |
| 60 | 7.60 | 328 | 5.28 | 624 | 4.07 |
| 62 | 7.50 | 333 | 5.23 | 631 | 4.07 |
| 65 | 7.50 | 337 | 5.18 | 639 | 3.96 |
| 66 | 7.44 | 340 | 5.12 | 647 | 3.96 |
| 70 | 7.34 | 343 | 5.12 | 656 | 3.91 |
| 74 | 7.28 | 347 | 5.07 | 663 | 3.91 |
| 75 | 7.23 | 352 | 5.01 | 671 | 3.91 |
| 76 | 7.18 | 354 | 5.01 | 677 | 3.91 |
| 78 | 7.12 | 358 | 5.07 | 687 | 3.91 |
| 84 | 7.12 | 360 | 5.01 | 692 | 3.91 |
| 88 | 7.12 | 363 | 4.96 | 700 | 3.85 |
| 93 | 7.12 | 371 | 4.90 | 704 | 3.91 |
| 99 | 7.07 | 375 | 4.90 | 708 | 3.85 |
| 101 | 7.07 | 380 | 4.85 | 709 | 3.85 |
| 104 | 7.07 | 388 | 4.85 | 714 | 3.91 |
| 107 | 7.12 | 393 | 4.79 | 720 | 3.85 |
| 112 | 7.07 | 396 | 4.79 | 724 | 3.85 |
| 116 | 7.07 | 410 | 4.68 | 732 | 3.85 |
| 118 | 7.01 | 416 | 4.68 | 737 | 3.85 |
| 123 | 6.96 | 423 | 4.63 | 739 | 3.85 |
| 127 | 6.91 | 431 | 4.63 | 744 | 3.85 |
| 129 | 6.85 | 435 | 4.63 | 747 | 3.85 |
| 135 | 6.85 | 439 | 4.52 | 748 | 3.85 |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY
 REFERENCE NO. 75- 10- 40 DATE 27/ 8/75
 POSITION 49-51.0N 128-40.0W GMT 7.2 *7.2*
 RESULTS OF XBT CAST 168 POINTS TAKEN FROM ANALOG TRACE

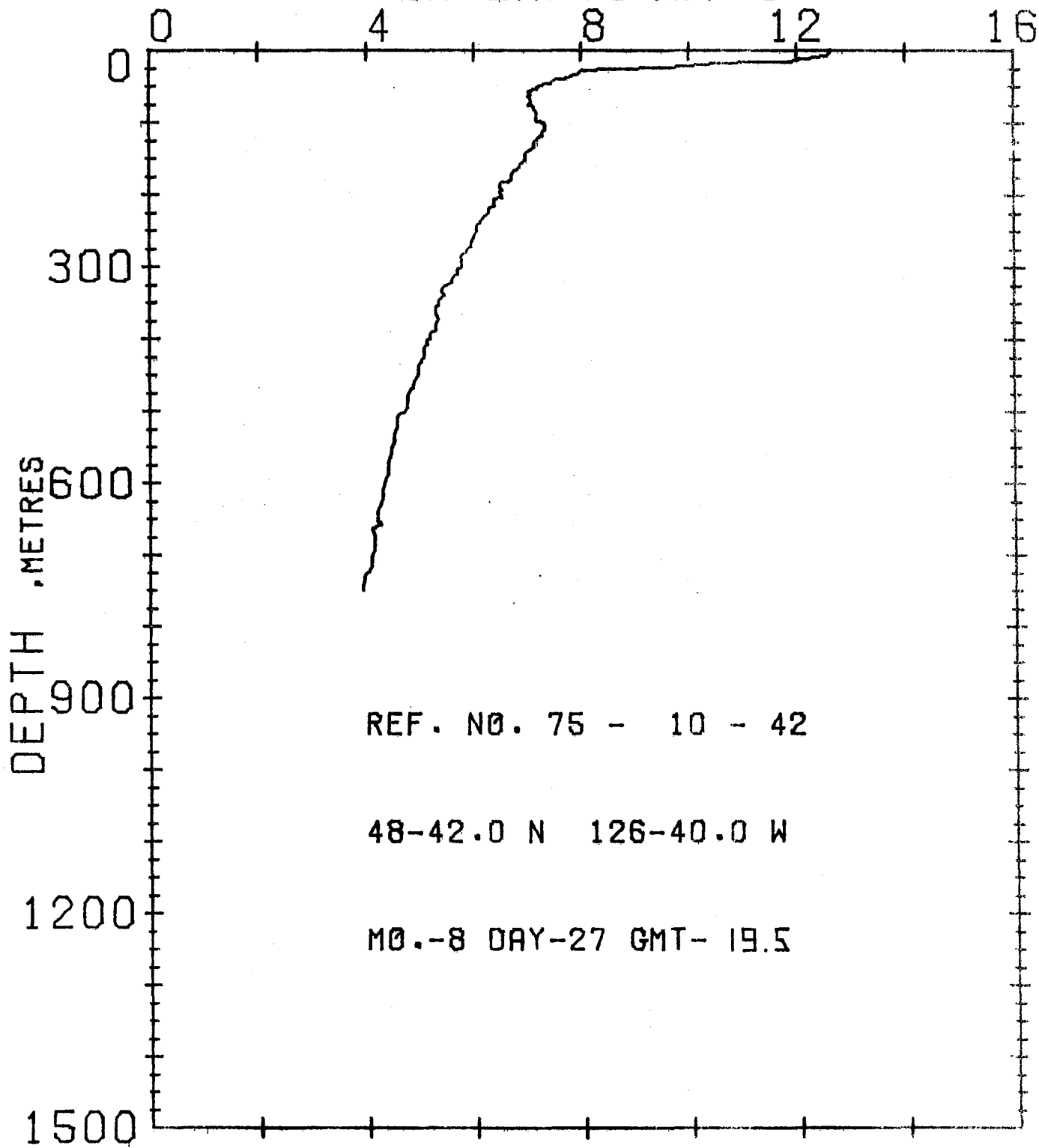
| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 11.83 | 139 | 7.01 | 419 | 4.96 |
| 3 | 11.68 | 142 | 6.96 | 423 | 4.90 |
| 6 | 11.62 | 145 | 6.96 | 429 | 4.85 |
| 8 | 11.57 | 147 | 6.91 | 438 | 4.85 |
| 11 | 11.52 | 149 | 6.85 | 447 | 4.85 |
| 13 | 11.42 | 150 | 6.75 | 453 | 4.79 |
| 15 | 11.32 | 152 | 6.69 | 458 | 4.74 |
| 16 | 11.11 | 155 | 6.64 | 463 | 4.74 |
| 17 | 10.80 | 158 | 6.64 | 468 | 4.74 |
| 18 | 10.49 | 163 | 6.64 | 473 | 4.74 |
| 19 | 9.97 | 166 | 6.64 | 478 | 4.68 |
| 20 | 9.76 | 169 | 6.64 | 482 | 4.68 |
| 21 | 9.55 | 173 | 6.59 | 485 | 4.63 |
| 22 | 9.50 | 177 | 6.53 | 492 | 4.68 |
| 23 | 9.29 | 182 | 6.48 | 500 | 4.52 |
| 24 | 9.08 | 189 | 6.48 | 506 | 4.52 |
| 26 | 8.92 | 196 | 6.37 | 511 | 4.52 |
| 28 | 8.71 | 202 | 6.37 | 517 | 4.46 |
| 30 | 8.61 | 209 | 6.26 | 522 | 4.41 |
| 32 | 8.50 | 216 | 6.15 | 527 | 4.41 |
| 33 | 8.45 | 222 | 6.10 | 529 | 4.41 |
| 34 | 8.34 | 227 | 6.05 | 533 | 4.41 |
| 35 | 8.03 | 234 | 5.94 | 538 | 4.41 |
| 36 | 7.92 | 241 | 5.83 | 544 | 4.35 |
| 38 | 7.81 | 247 | 5.83 | 550 | 4.35 |
| 40 | 7.71 | 257 | 5.83 | 555 | 4.35 |
| 43 | 7.60 | 261 | 5.67 | 563 | 4.35 |
| 45 | 7.50 | 263 | 5.67 | 571 | 4.35 |
| 46 | 7.39 | 266 | 5.56 | 579 | 4.30 |
| 49 | 7.23 | 271 | 5.61 | 582 | 4.35 |
| 51 | 7.07 | 274 | 5.61 | 586 | 4.30 |
| 54 | 6.96 | 278 | 5.61 | 593 | 4.30 |
| 56 | 6.85 | 283 | 5.61 | 600 | 4.30 |
| 59 | 6.80 | 287 | 5.61 | 606 | 4.30 |
| 67 | 6.80 | 293 | 5.61 | 613 | 4.24 |
| 72 | 6.80 | 296 | 5.56 | 619 | 4.24 |
| 74 | 6.80 | 301 | 5.56 | 624 | 4.24 |
| 77 | 6.80 | 306 | 5.50 | 631 | 4.24 |
| 80 | 6.69 | 310 | 5.39 | 635 | 4.18 |
| 82 | 6.80 | 319 | 5.34 | 639 | 4.18 |
| 84 | 6.85 | 329 | 5.34 | 641 | 4.18 |
| 88 | 6.91 | 339 | 5.34 | 647 | 4.24 |
| 90 | 6.96 | 350 | 5.23 | 650 | 4.24 |
| 93 | 7.01 | 355 | 5.23 | 656 | 4.24 |
| 97 | 7.01 | 359 | 5.18 | 665 | 4.18 |
| 99 | 7.01 | 362 | 5.18 | 669 | 4.18 |
| 102 | 7.01 | 364 | 5.18 | 676 | 4.18 |
| 104 | 7.01 | 368 | 5.18 | 692 | 4.13 |
| 107 | 7.01 | 373 | 5.12 | 705 | 4.07 |
| 109 | 7.01 | 377 | 5.12 | 714 | 4.07 |
| 112 | 6.96 | 384 | 5.07 | 718 | 4.07 |
| 116 | 6.91 | 389 | 5.07 | 723 | 4.02 |
| 121 | 6.85 | 394 | 5.01 | 730 | 4.02 |
| 124 | 6.85 | 398 | 5.01 | 739 | 4.07 |
| 132 | 6.85 | 404 | 4.96 | 746 | 4.02 |
| 135 | 7.01 | 411 | 4.96 | 747 | 4.02 |



OFFSHORE OCEANOGRAPHY
 REFERENCE NO. 75- 10- 41 DATE 27/ 8/75
 POSITION 49-16.0N 127-42.0W GMT 13.2
 RESULTS OF XBT CAST 168 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 12.34 | 193 | 6.37 | 492 | 4.79 |
| 3 | 12.29 | 197 | 6.32 | 496 | 4.74 |
| 6 | 12.29 | 202 | 6.26 | 501 | 4.74 |
| 11 | 12.09 | 207 | 6.26 | 506 | 4.68 |
| 14 | 12.04 | 213 | 6.21 | 513 | 4.63 |
| 17 | 11.83 | 218 | 6.15 | 518 | 4.68 |
| 19 | 11.42 | 222 | 6.10 | 524 | 4.68 |
| 21 | 11.06 | 226 | 6.10 | 529 | 4.68 |
| 22 | 10.70 | 229 | 6.05 | 531 | 4.68 |
| 23 | 10.44 | 231 | 6.05 | 535 | 4.63 |
| 25 | 9.92 | 234 | 6.05 | 538 | 4.57 |
| 26 | 9.71 | 238 | 5.99 | 540 | 4.52 |
| 28 | 9.45 | 241 | 5.94 | 542 | 4.46 |
| 30 | 9.29 | 244 | 5.94 | 545 | 4.46 |
| 31 | 9.19 | 249 | 5.88 | 548 | 4.46 |
| 33 | 8.87 | 254 | 5.83 | 550 | 4.46 |
| 36 | 8.61 | 262 | 5.83 | 553 | 4.46 |
| 38 | 8.34 | 268 | 5.83 | 561 | 4.41 |
| 40 | 8.08 | 274 | 5.72 | 566 | 4.41 |
| 42 | 7.87 | 277 | 5.72 | 571 | 4.35 |
| 45 | 7.60 | 282 | 5.67 | 579 | 4.41 |
| 48 | 7.50 | 286 | 5.61 | 586 | 4.35 |
| 52 | 7.50 | 290 | 5.56 | 591 | 4.35 |
| 55 | 7.39 | 294 | 5.56 | 597 | 4.35 |
| 56 | 7.34 | 299 | 5.56 | 602 | 4.41 |
| 59 | 7.23 | 305 | 5.56 | 610 | 4.41 |
| 61 | 7.18 | 310 | 5.50 | 616 | 4.41 |
| 67 | 7.18 | 317 | 5.45 | 623 | 4.35 |
| 73 | 7.12 | 325 | 5.45 | 630 | 4.35 |
| 78 | 7.07 | 330 | 5.39 | 638 | 4.41 |
| 86 | 7.12 | 336 | 5.39 | 642 | 4.35 |
| 93 | 7.07 | 346 | 5.39 | 650 | 4.35 |
| 96 | 7.12 | 353 | 5.39 | 654 | 4.35 |
| 99 | 7.12 | 364 | 5.34 | 659 | 4.35 |
| 105 | 7.12 | 372 | 5.28 | 662 | 4.35 |
| 111 | 7.07 | 379 | 5.23 | 666 | 4.30 |
| 115 | 7.12 | 383 | 5.23 | 669 | 4.30 |
| 121 | 7.23 | 389 | 5.23 | 673 | 4.30 |
| 123 | 7.12 | 395 | 5.18 | 677 | 4.24 |
| 128 | 7.12 | 397 | 5.18 | 679 | 4.24 |
| 132 | 7.12 | 402 | 5.12 | 684 | 4.24 |
| 138 | 7.12 | 405 | 5.07 | 686 | 4.24 |
| 141 | 7.07 | 409 | 5.07 | 689 | 4.24 |
| 146 | 6.96 | 411 | 5.07 | 692 | 4.18 |
| 149 | 6.91 | 417 | 5.01 | 698 | 4.13 |
| 154 | 6.85 | 424 | 4.96 | 704 | 4.13 |
| 159 | 6.75 | 430 | 4.96 | 708 | 4.07 |
| 162 | 6.75 | 435 | 4.90 | 713 | 4.07 |
| 166 | 6.75 | 442 | 4.90 | 716 | 4.07 |
| 168 | 6.75 | 450 | 4.90 | 720 | 4.07 |
| 170 | 6.69 | 458 | 4.85 | 723 | 4.02 |
| 174 | 6.64 | 463 | 4.79 | 728 | 4.07 |
| 177 | 6.64 | 469 | 4.79 | 733 | 4.02 |
| 181 | 6.53 | 474 | 4.79 | 737 | 4.02 |
| 185 | 6.48 | 480 | 4.74 | 742 | 4.02 |
| 188 | 6.42 | 484 | 4.74 | 747 | 4.02 |

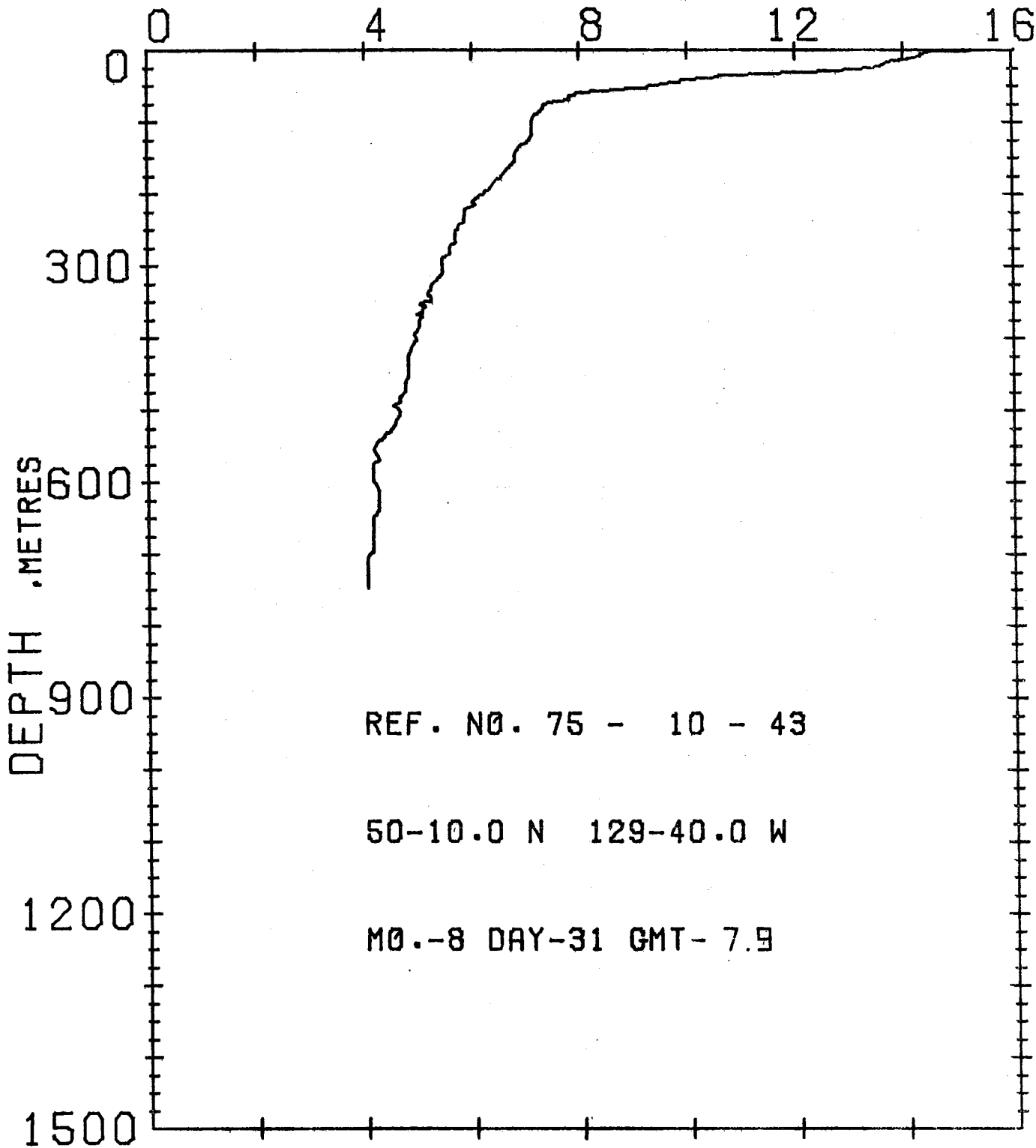
TEMPERATURE, C



OFFSHORE OCEANOGRAPHY
 REFERENCE NO. 75- 10- 42 DATE 27/ 8/75
 POSITION 48-42.0N 126-40.0W GMT 19.5
 RESULTS OF XBT CAST 176 POINTS TAKEN FROM ANALOG TRACE

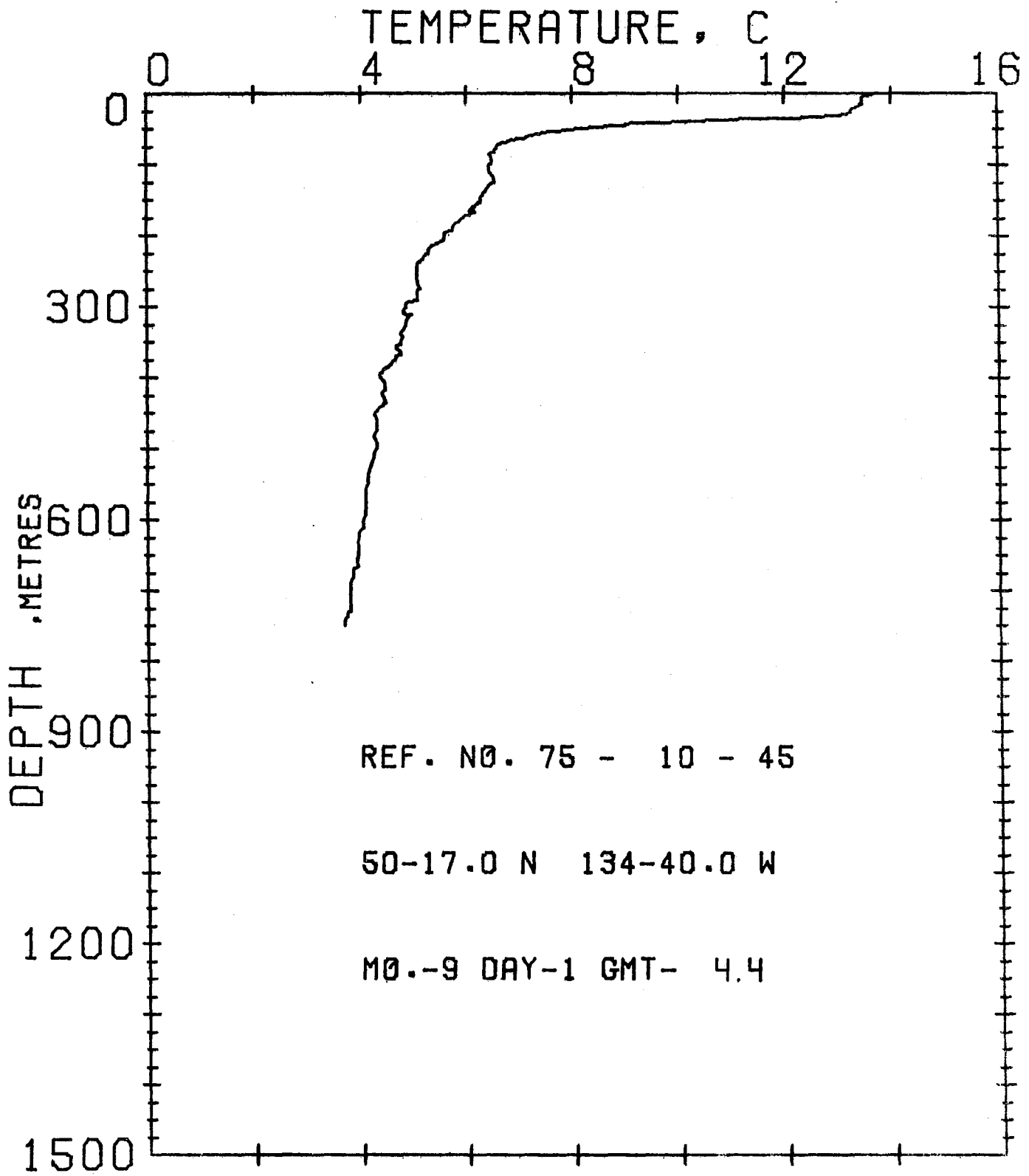
| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 12.65 | 132 | 7.12 | 357 | 5.28 |
| 2 | 12.60 | 135 | 7.12 | 365 | 5.28 |
| 4 | 12.60 | 138 | 7.07 | 372 | 5.34 |
| 7 | 12.55 | 140 | 7.01 | 382 | 5.28 |
| 8 | 12.50 | 144 | 6.96 | 389 | 5.28 |
| 10 | 12.40 | 146 | 6.96 | 394 | 5.18 |
| 11 | 12.14 | 148 | 6.96 | 396 | 5.18 |
| 12 | 12.09 | 151 | 6.96 | 399 | 5.18 |
| 13 | 12.04 | 157 | 6.91 | 403 | 5.12 |
| 15 | 11.88 | 160 | 6.85 | 407 | 5.12 |
| 16 | 11.26 | 162 | 6.85 | 409 | 5.12 |
| 17 | 11.11 | 165 | 6.80 | 413 | 5.07 |
| 18 | 10.75 | 166 | 6.80 | 419 | 5.07 |
| 19 | 10.54 | 168 | 6.75 | 422 | 5.07 |
| 20 | 10.28 | 169 | 6.75 | 427 | 5.07 |
| 23 | 9.60 | 173 | 6.69 | 429 | 5.01 |
| 24 | 9.34 | 176 | 6.69 | 431 | 5.01 |
| 25 | 8.82 | 179 | 6.69 | 435 | 4.96 |
| 26 | 8.71 | 181 | 6.64 | 443 | 4.96 |
| 27 | 8.40 | 183 | 6.53 | 450 | 4.96 |
| 28 | 8.24 | 186 | 6.48 | 457 | 4.90 |
| 29 | 8.03 | 190 | 6.48 | 462 | 4.85 |
| 33 | 7.97 | 194 | 6.53 | 467 | 4.85 |
| 36 | 7.81 | 196 | 6.48 | 471 | 4.79 |
| 39 | 7.71 | 199 | 6.48 | 479 | 4.74 |
| 40 | 7.60 | 203 | 6.53 | 488 | 4.74 |
| 41 | 7.50 | 207 | 6.37 | 496 | 4.74 |
| 43 | 7.50 | 212 | 6.37 | 509 | 4.57 |
| 46 | 7.44 | 216 | 6.37 | 514 | 4.57 |
| 47 | 7.39 | 220 | 6.26 | 522 | 4.57 |
| 49 | 7.28 | 225 | 6.26 | 530 | 4.52 |
| 51 | 7.23 | 234 | 6.15 | 538 | 4.52 |
| 52 | 7.18 | 240 | 6.10 | 544 | 4.52 |
| 54 | 7.18 | 245 | 6.05 | 550 | 4.46 |
| 56 | 7.07 | 250 | 6.05 | 559 | 4.46 |
| 58 | 7.01 | 260 | 5.99 | 571 | 4.41 |
| 62 | 7.07 | 266 | 5.94 | 578 | 4.41 |
| 65 | 7.01 | 272 | 5.94 | 586 | 4.41 |
| 69 | 7.07 | 278 | 5.88 | 596 | 4.35 |
| 73 | 7.07 | 280 | 5.83 | 610 | 4.30 |
| 75 | 7.01 | 286 | 5.77 | 622 | 4.30 |
| 76 | 7.01 | 290 | 5.77 | 639 | 4.18 |
| 77 | 7.12 | 294 | 5.77 | 650 | 4.18 |
| 78 | 7.12 | 299 | 5.77 | 654 | 4.18 |
| 80 | 7.12 | 301 | 5.77 | 657 | 4.24 |
| 82 | 7.12 | 304 | 5.67 | 659 | 4.24 |
| 85 | 7.18 | 310 | 5.67 | 661 | 4.13 |
| 95 | 7.18 | 315 | 5.61 | 665 | 4.07 |
| 98 | 7.18 | 322 | 5.56 | 672 | 4.13 |
| 99 | 7.28 | 325 | 5.50 | 691 | 4.13 |
| 102 | 7.34 | 329 | 5.45 | 703 | 4.07 |
| 104 | 7.34 | 334 | 5.39 | 716 | 4.07 |
| 107 | 7.34 | 336 | 5.39 | 723 | 4.02 |
| 111 | 7.34 | 340 | 5.45 | 730 | 3.96 |
| 114 | 7.28 | 341 | 5.45 | 737 | 3.96 |
| 119 | 7.28 | 343 | 5.39 | 744 | 3.91 |
| 121 | 7.23 | 348 | 5.34 | 747 | 3.91 |
| 123 | 7.18 | 351 | 5.34 | 749 | 3.91 |
| 128 | 7.12 | 354 | 5.34 | | |

TEMPERATURE, C



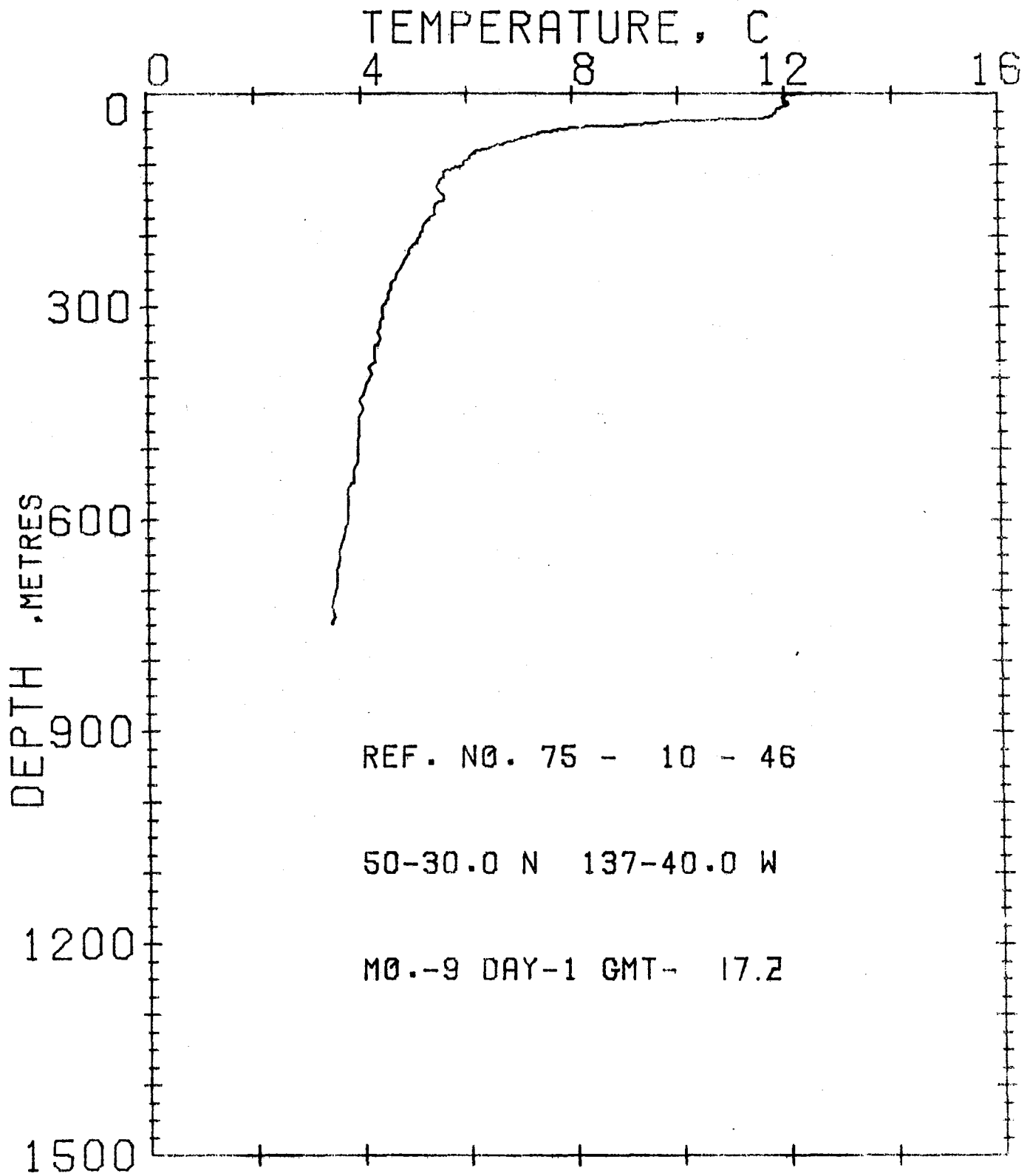
OFFSHORE OCEANOGRAPHY
 REFERENCE NO. 75- 10- 43 DATE 31/ 8/75
 POSITION 50-10.0N 129-40.0W GMT 7.9
 RESULTS OF XBT CAST 199 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 15.25 | 126 | 7.07 | 392 | 4.96 |
| 1 | 15.20 | 130 | 7.01 | 397 | 4.90 |
| 2 | 14.49 | 135 | 6.91 | 404 | 4.96 |
| 3 | 14.44 | 139 | 6.85 | 409 | 4.90 |
| 4 | 14.44 | 147 | 6.80 | 417 | 4.85 |
| 6 | 14.38 | 150 | 6.80 | 425 | 4.79 |
| 7 | 14.33 | 156 | 6.80 | 430 | 4.79 |
| 10 | 14.33 | 160 | 6.75 | 438 | 4.79 |
| 11 | 14.18 | 164 | 6.69 | 447 | 4.79 |
| 12 | 14.13 | 167 | 6.64 | 456 | 4.79 |
| 13 | 14.08 | 178 | 6.53 | 463 | 4.74 |
| 14 | 13.98 | 185 | 6.42 | 473 | 4.74 |
| 15 | 13.93 | 193 | 6.32 | 481 | 4.68 |
| 16 | 13.83 | 201 | 6.21 | 483 | 4.63 |
| 19 | 13.72 | 206 | 6.10 | 485 | 4.63 |
| 21 | 13.62 | 208 | 6.05 | 490 | 4.63 |
| 24 | 13.57 | 213 | 5.99 | 493 | 4.52 |
| 26 | 13.47 | 216 | 6.05 | 496 | 4.57 |
| 27 | 13.37 | 219 | 5.99 | 502 | 4.63 |
| 28 | 13.21 | 222 | 5.88 | 509 | 4.63 |
| 29 | 13.01 | 226 | 5.88 | 516 | 4.57 |
| 30 | 12.80 | 230 | 5.88 | 521 | 4.57 |
| 31 | 12.55 | 235 | 5.83 | 527 | 4.52 |
| 32 | 12.29 | 238 | 5.83 | 530 | 4.46 |
| 33 | 11.98 | 240 | 5.83 | 535 | 4.35 |
| 34 | 11.52 | 243 | 5.77 | 539 | 4.35 |
| 35 | 10.80 | 246 | 5.72 | 541 | 4.30 |
| 36 | 10.64 | 249 | 5.72 | 545 | 4.24 |
| 37 | 10.59 | 252 | 5.67 | 550 | 4.18 |
| 38 | 10.59 | 255 | 5.67 | 557 | 4.13 |
| 39 | 10.44 | 261 | 5.67 | 561 | 4.18 |
| 40 | 10.28 | 268 | 5.67 | 568 | 4.24 |
| 41 | 10.07 | 274 | 5.56 | 571 | 4.24 |
| 43 | 9.92 | 278 | 5.56 | 576 | 4.13 |
| 46 | 9.86 | 282 | 5.56 | 580 | 4.13 |
| 47 | 9.76 | 284 | 5.56 | 586 | 4.13 |
| 49 | 9.60 | 287 | 5.50 | 592 | 4.13 |
| 50 | 9.45 | 290 | 5.45 | 600 | 4.13 |
| 51 | 9.34 | 292 | 5.45 | 604 | 4.18 |
| 52 | 9.24 | 294 | 5.45 | 611 | 4.24 |
| 53 | 9.24 | 298 | 5.45 | 615 | 4.24 |
| 55 | 8.98 | 300 | 5.45 | 622 | 4.24 |
| 56 | 8.71 | 303 | 5.45 | 628 | 4.24 |
| 57 | 8.45 | 307 | 5.45 | 636 | 4.24 |
| 58 | 8.29 | 311 | 5.45 | 640 | 4.24 |
| 59 | 8.19 | 313 | 5.45 | 646 | 4.18 |
| 60 | 8.03 | 317 | 5.39 | 650 | 4.13 |
| 61 | 7.97 | 320 | 5.34 | 654 | 4.13 |
| 63 | 7.92 | 329 | 5.23 | 660 | 4.13 |
| 64 | 7.81 | 335 | 5.23 | 668 | 4.13 |
| 67 | 7.81 | 339 | 5.18 | 675 | 4.13 |
| 70 | 7.81 | 342 | 5.18 | 682 | 4.13 |
| 71 | 7.71 | 345 | 5.23 | 687 | 4.13 |
| 72 | 7.60 | 349 | 5.23 | 694 | 4.13 |
| 74 | 7.50 | 351 | 5.18 | 698 | 4.13 |
| 76 | 7.39 | 352 | 5.07 | 701 | 4.07 |
| 77 | 7.34 | 354 | 5.01 | 705 | 4.02 |
| 82 | 7.34 | 356 | 5.07 | 709 | 4.02 |
| 85 | 7.28 | 358 | 5.12 | 713 | 4.02 |
| 89 | 7.23 | 362 | 5.07 | 721 | 4.02 |
| 93 | 7.18 | 366 | 5.07 | 724 | 4.02 |
| 98 | 7.12 | 369 | 4.96 | 730 | 4.02 |
| 99 | 7.12 | 372 | 5.07 | 736 | 4.02 |
| 105 | 7.12 | 376 | 5.01 | 740 | 4.02 |
| 108 | 7.12 | 381 | 5.01 | 744 | 4.02 |
| 115 | 7.12 | 385 | 5.01 | 748 | 4.02 |
| 121 | 7.12 | | | | |



OFFSHORE OCEANOGRAPHY
 REFERENCE NO. 75- 10- 45 DATE 1/ 9/75
 POSITION 50-17.0N 134-40.0W GMT 4.4
 RESULTS OF XBT CAST 182 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 13.77 | 157 | 6.21 | 373 | 4.68 |
| 2 | 13.62 | 160 | 6.15 | 376 | 4.63 |
| 3 | 13.57 | 163 | 6.10 | 382 | 4.57 |
| 6 | 13.47 | 165 | 6.05 | 386 | 4.52 |
| 9 | 13.47 | 166 | 6.10 | 389 | 4.46 |
| 12 | 13.47 | 167 | 6.15 | 393 | 4.41 |
| 17 | 13.47 | 169 | 6.10 | 396 | 4.35 |
| 19 | 13.42 | 172 | 6.05 | 399 | 4.35 |
| 21 | 13.32 | 174 | 5.94 | 404 | 4.41 |
| 23 | 13.26 | 177 | 5.94 | 409 | 4.46 |
| 26 | 13.26 | 181 | 5.88 | 414 | 4.46 |
| 29 | 13.26 | 183 | 5.83 | 416 | 4.46 |
| 31 | 13.16 | 187 | 5.77 | 419 | 4.46 |
| 32 | 13.01 | 189 | 5.77 | 422 | 4.41 |
| 33 | 12.86 | 193 | 5.72 | 427 | 4.41 |
| 34 | 12.60 | 197 | 5.61 | 432 | 4.46 |
| 35 | 11.98 | 200 | 5.61 | 435 | 4.46 |
| 36 | 11.68 | 204 | 5.56 | 436 | 4.46 |
| 38 | 10.59 | 207 | 5.56 | 440 | 4.41 |
| 39 | 10.44 | 211 | 5.45 | 447 | 4.30 |
| 40 | 10.13 | 216 | 5.34 | 453 | 4.24 |
| 41 | 9.66 | 220 | 5.28 | 460 | 4.30 |
| 42 | 9.29 | 226 | 5.28 | 473 | 4.30 |
| 43 | 9.19 | 229 | 5.23 | 484 | 4.24 |
| 45 | 9.03 | 234 | 5.18 | 494 | 4.30 |
| 46 | 8.98 | 238 | 5.12 | 500 | 4.30 |
| 47 | 8.77 | 241 | 5.07 | 506 | 4.24 |
| 48 | 8.45 | 246 | 5.07 | 511 | 4.24 |
| 50 | 8.19 | 250 | 5.07 | 524 | 4.18 |
| 52 | 7.92 | 255 | 5.07 | 537 | 4.13 |
| 54 | 7.71 | 260 | 5.07 | 547 | 4.13 |
| 55 | 7.55 | 262 | 5.07 | 557 | 4.07 |
| 58 | 7.39 | 266 | 5.07 | 567 | 4.07 |
| 61 | 7.23 | 270 | 5.07 | 575 | 4.07 |
| 63 | 7.12 | 275 | 5.12 | 584 | 4.07 |
| 65 | 6.96 | 279 | 5.07 | 593 | 4.07 |
| 69 | 6.80 | 284 | 5.07 | 602 | 4.02 |
| 73 | 6.64 | 289 | 5.07 | 611 | 4.02 |
| 75 | 6.59 | 292 | 5.07 | 617 | 3.96 |
| 77 | 6.59 | 294 | 4.96 | 624 | 3.96 |
| 82 | 6.53 | 296 | 4.85 | 632 | 3.91 |
| 84 | 6.53 | 298 | 4.85 | 639 | 3.96 |
| 87 | 6.42 | 302 | 4.85 | 646 | 3.96 |
| 89 | 6.48 | 305 | 4.79 | 650 | 3.96 |
| 91 | 6.48 | 309 | 4.79 | 655 | 3.91 |
| 94 | 6.48 | 312 | 4.85 | 660 | 3.91 |
| 96 | 6.48 | 313 | 4.96 | 666 | 3.91 |
| 99 | 6.48 | 316 | 4.90 | 671 | 3.85 |
| 101 | 6.42 | 322 | 4.85 | 677 | 3.85 |
| 104 | 6.42 | 328 | 4.85 | 682 | 3.85 |
| 108 | 6.42 | 334 | 4.79 | 689 | 3.80 |
| 112 | 6.42 | 337 | 4.74 | 698 | 3.80 |
| 116 | 6.48 | 340 | 4.74 | 712 | 3.80 |
| 122 | 6.53 | 345 | 4.79 | 724 | 3.80 |
| 125 | 6.53 | 351 | 4.74 | 730 | 3.80 |
| 128 | 6.48 | 354 | 4.74 | 733 | 3.74 |
| 132 | 6.42 | 357 | 4.68 | 739 | 3.74 |
| 138 | 6.37 | 360 | 4.68 | 743 | 3.68 |
| 144 | 6.32 | 364 | 4.74 | 747 | 3.68 |
| 149 | 6.26 | 368 | 4.74 | 749 | 3.68 |
| 153 | 6.26 | 370 | 4.68 | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 46

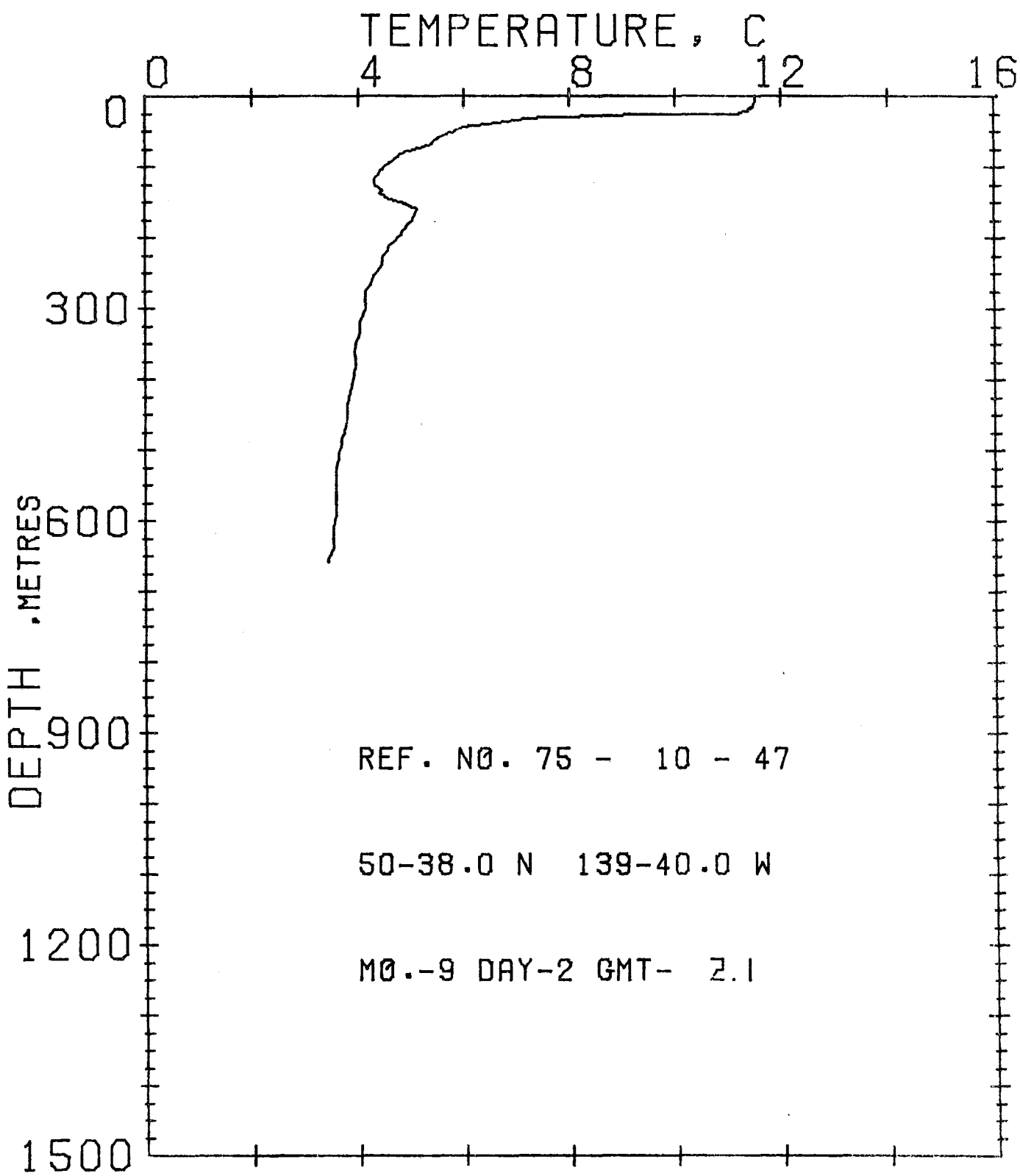
DATE 1/ 9/75

POSITION 50-30.0N 137-40.0W

GMT 17.2

RESULTS OF XBT CAST 141 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 12.34 | 100 | 5.94 | 325 | 4.35 |
| 2 | 12.14 | 103 | 5.88 | 330 | 4.35 |
| 4 | 12.04 | 106 | 5.77 | 336 | 4.30 |
| 6 | 11.98 | 110 | 5.56 | 346 | 4.35 |
| 9 | 11.98 | 118 | 5.56 | 353 | 4.30 |
| 11 | 12.04 | 119 | 5.56 | 355 | 4.24 |
| 13 | 12.09 | 123 | 5.50 | 361 | 4.24 |
| 16 | 12.09 | 126 | 5.50 | 369 | 4.24 |
| 17 | 12.09 | 132 | 5.45 | 378 | 4.24 |
| 19 | 12.04 | 139 | 5.50 | 386 | 4.13 |
| 22 | 11.93 | 144 | 5.56 | 395 | 4.10 |
| 24 | 11.88 | 149 | 5.56 | 402 | 4.15 |
| 25 | 11.88 | 150 | 5.56 | 412 | 4.07 |
| 29 | 11.83 | 154 | 5.45 | 423 | 4.02 |
| 32 | 11.78 | 159 | 5.39 | 431 | 3.90 |
| 34 | 11.73 | 161 | 5.39 | 444 | 4.02 |
| 35 | 11.57 | 164 | 5.39 | 455 | 3.96 |
| 36 | 11.16 | 166 | 5.39 | 462 | 3.96 |
| 37 | 10.38 | 171 | 5.39 | 473 | 3.96 |
| 38 | 9.97 | 178 | 5.28 | 483 | 3.96 |
| 39 | 9.76 | 183 | 5.23 | 489 | 3.91 |
| 41 | 9.55 | 188 | 5.18 | 499 | 3.91 |
| 44 | 9.19 | 193 | 5.18 | 508 | 3.91 |
| 46 | 8.82 | 198 | 5.12 | 518 | 3.91 |
| 47 | 8.45 | 202 | 5.12 | 530 | 3.85 |
| 49 | 8.08 | 207 | 5.07 | 541 | 3.85 |
| 50 | 7.81 | 209 | 5.07 | 548 | 3.85 |
| 52 | 7.71 | 211 | 5.01 | 551 | 3.80 |
| 54 | 7.60 | 216 | 4.96 | 559 | 3.74 |
| 55 | 7.44 | 222 | 4.90 | 568 | 3.74 |
| 56 | 7.34 | 226 | 4.90 | 578 | 3.74 |
| 60 | 7.23 | 232 | 4.85 | 587 | 3.74 |
| 62 | 7.12 | 239 | 4.79 | 594 | 3.74 |
| 65 | 7.01 | 246 | 4.74 | 599 | 3.74 |
| 68 | 6.91 | 254 | 4.68 | 605 | 3.74 |
| 69 | 6.80 | 262 | 4.63 | 612 | 3.60 |
| 71 | 6.69 | 269 | 4.57 | 616 | 3.60 |
| 73 | 6.64 | 275 | 4.57 | 632 | 3.63 |
| 74 | 6.53 | 281 | 4.52 | 646 | 3.57 |
| 77 | 6.42 | 290 | 4.52 | 659 | 3.57 |
| 79 | 6.32 | 297 | 4.46 | 672 | 3.52 |
| 82 | 6.15 | 300 | 4.41 | 686 | 3.52 |
| 84 | 6.15 | 305 | 4.41 | 696 | 3.52 |
| 86 | 6.10 | 308 | 4.41 | 710 | 3.46 |
| 89 | 6.05 | 311 | 4.41 | 724 | 3.41 |
| 93 | 6.05 | 315 | 4.41 | 739 | 3.40 |
| 98 | 5.94 | 323 | 4.35 | 747 | 3.41 |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 47

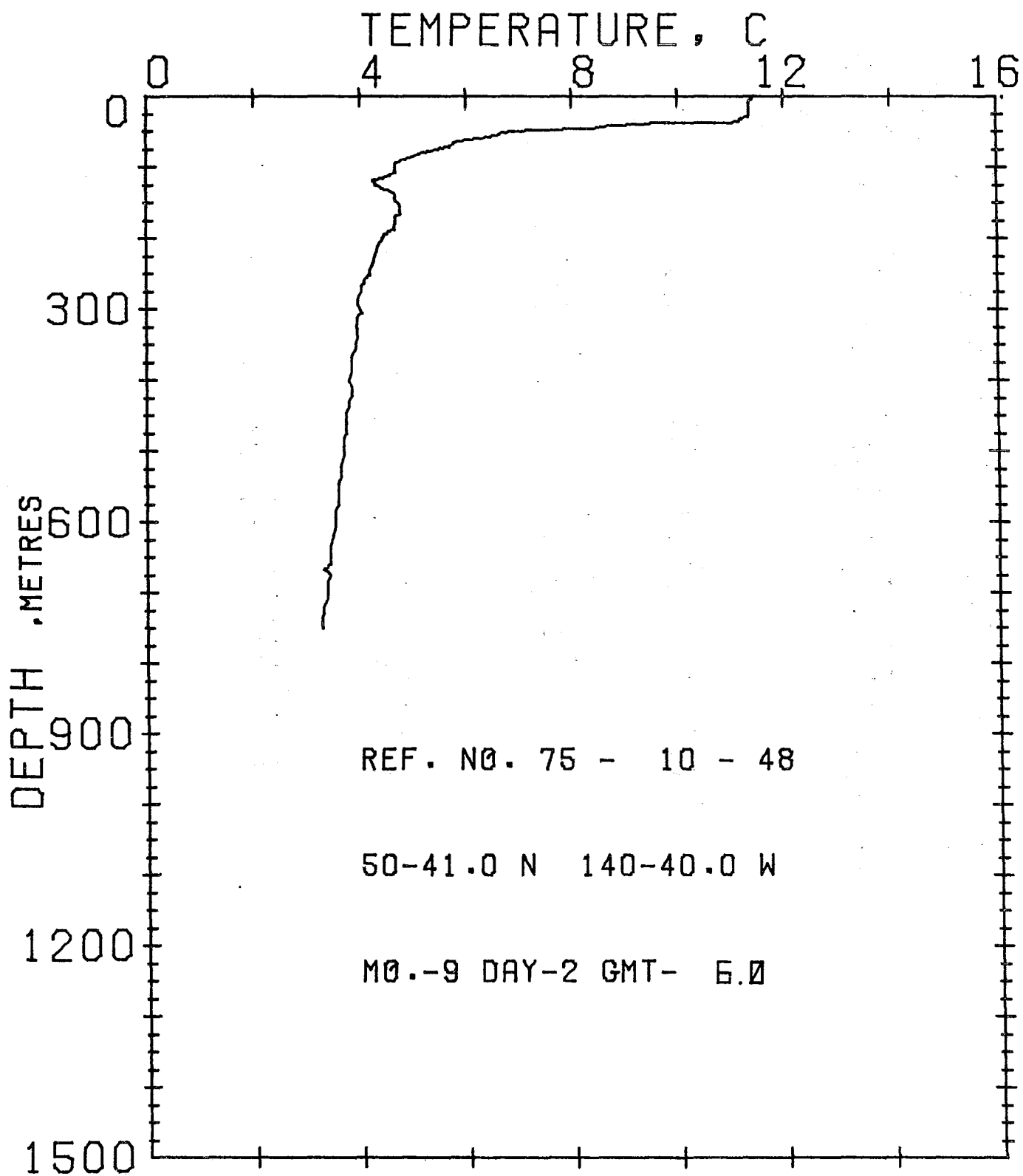
DATE 2/ 9/75

POSITION 50-38.0N 139-40.0W

GMT 2.1

RESULTS OF XBT CAST 82 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 11.52 | 119 | 4.30 | 335 | 4.02 |
| 7 | 11.52 | 121 | 4.30 | 350 | 3.96 |
| 16 | 11.47 | 123 | 4.30 | 364 | 3.91 |
| 19 | 11.42 | 127 | 4.30 | 369 | 3.96 |
| 22 | 11.37 | 134 | 4.46 | 379 | 3.96 |
| 24 | 11.26 | 137 | 4.41 | 394 | 3.91 |
| 25 | 11.21 | 143 | 4.52 | 419 | 3.85 |
| 26 | 10.59 | 151 | 4.85 | 437 | 3.80 |
| 27 | 9.45 | 154 | 4.90 | 459 | 3.80 |
| 28 | 8.61 | 156 | 4.96 | 476 | 3.74 |
| 29 | 8.45 | 158 | 5.01 | 486 | 3.68 |
| 30 | 8.03 | 160 | 5.12 | 495 | 3.68 |
| 31 | 7.60 | 168 | 5.07 | 505 | 3.63 |
| 33 | 7.23 | 177 | 5.01 | 515 | 3.63 |
| 35 | 6.80 | 184 | 4.90 | 527 | 3.57 |
| 39 | 6.42 | 196 | 4.79 | 535 | 3.57 |
| 41 | 6.21 | 214 | 4.57 | 541 | 3.57 |
| 43 | 6.10 | 218 | 4.57 | 551 | 3.57 |
| 47 | 5.94 | 227 | 4.46 | 561 | 3.57 |
| 51 | 5.83 | 238 | 4.46 | 577 | 3.57 |
| 55 | 5.67 | 253 | 4.30 | 592 | 3.57 |
| 59 | 5.50 | 267 | 4.24 | 612 | 3.52 |
| 68 | 5.39 | 276 | 4.13 | 627 | 3.52 |
| 75 | 5.07 | 288 | 4.13 | 638 | 3.52 |
| 80 | 4.85 | 299 | 4.13 | 648 | 3.46 |
| 85 | 4.74 | 309 | 4.07 | 654 | 3.41 |
| 96 | 4.57 | 319 | 4.02 | 659 | 3.41 |
| 105 | 4.46 | | | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 48

DATE 2/ 9/75

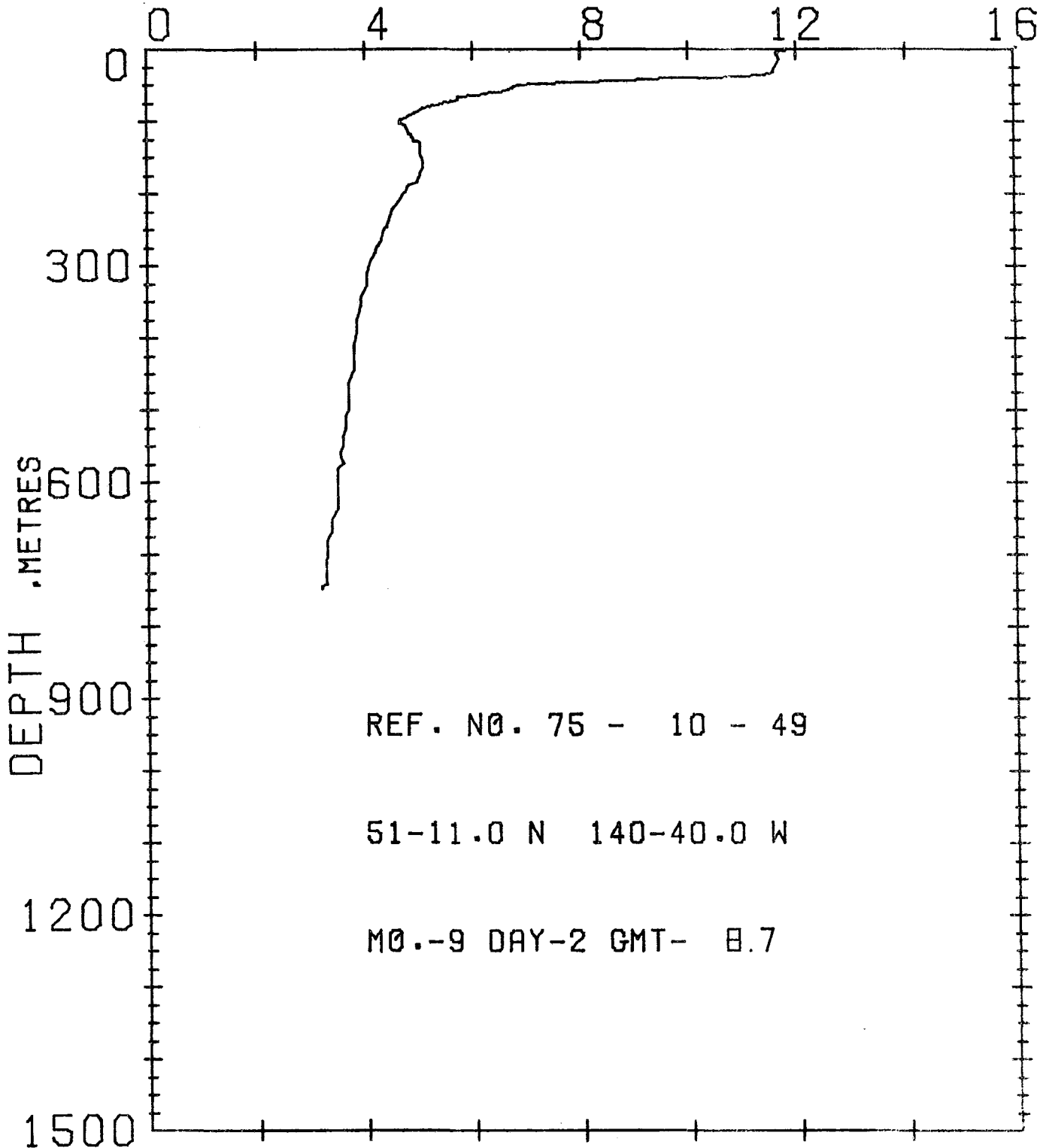
POSITION 50-41.0N 140-40.0W

GMT 6.0

RESULTS OF XBT CAST 127 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 11.47 | 129 | 4.41 | 340 | 3.96 |
| 3 | 11.42 | 131 | 4.46 | 350 | 3.91 |
| 7 | 11.37 | 135 | 4.57 | 356 | 3.91 |
| 13 | 11.37 | 138 | 4.63 | 365 | 3.85 |
| 17 | 11.37 | 139 | 4.63 | 375 | 3.85 |
| 22 | 11.37 | 142 | 4.68 | 391 | 3.85 |
| 25 | 11.37 | 143 | 4.63 | 402 | 3.80 |
| 28 | 11.37 | 145 | 4.63 | 410 | 3.85 |
| 31 | 11.32 | 148 | 4.68 | 422 | 3.85 |
| 33 | 11.21 | 153 | 4.74 | 431 | 3.80 |
| 36 | 11.16 | 155 | 4.74 | 438 | 3.80 |
| 37 | 11.01 | 162 | 4.74 | 446 | 3.74 |
| 38 | 9.76 | 166 | 4.74 | 458 | 3.74 |
| 40 | 9.19 | 171 | 4.68 | 470 | 3.74 |
| 41 | 8.92 | 176 | 4.68 | 475 | 3.74 |
| 43 | 8.77 | 180 | 4.68 | 483 | 3.68 |
| 45 | 8.61 | 184 | 4.63 | 495 | 3.68 |
| 46 | 8.34 | 187 | 4.63 | 507 | 3.68 |
| 49 | 7.39 | 191 | 4.57 | 524 | 3.63 |
| 51 | 6.91 | 194 | 4.52 | 537 | 3.63 |
| 52 | 6.75 | 197 | 4.46 | 546 | 3.57 |
| 54 | 6.64 | 199 | 4.46 | 558 | 3.57 |
| 57 | 6.48 | 203 | 4.41 | 576 | 3.57 |
| 59 | 6.26 | 210 | 4.35 | 585 | 3.52 |
| 62 | 6.05 | 224 | 4.30 | 596 | 3.52 |
| 65 | 5.88 | 239 | 4.24 | 608 | 3.52 |
| 67 | 5.77 | 246 | 4.18 | 621 | 3.46 |
| 71 | 5.67 | 252 | 4.18 | 638 | 3.41 |
| 74 | 5.56 | 256 | 4.13 | 650 | 3.41 |
| 78 | 5.34 | 259 | 4.07 | 660 | 3.41 |
| 83 | 5.12 | 261 | 4.07 | 665 | 3.35 |
| 89 | 4.85 | 264 | 4.07 | 669 | 3.29 |
| 93 | 4.74 | 268 | 4.02 | 672 | 3.35 |
| 96 | 4.68 | 275 | 4.02 | 676 | 3.41 |
| 99 | 4.66 | 286 | 3.96 | 685 | 3.35 |
| 104 | 4.68 | 297 | 3.96 | 694 | 3.35 |
| 108 | 4.63 | 306 | 4.02 | 708 | 3.35 |
| 112 | 4.57 | 313 | 3.96 | 721 | 3.29 |
| 115 | 4.46 | 321 | 3.96 | 729 | 3.29 |
| 118 | 4.30 | 324 | 3.91 | 736 | 3.24 |
| 121 | 4.24 | 327 | 3.96 | 744 | 3.24 |
| 123 | 4.30 | 332 | 3.96 | 749 | 3.24 |
| 125 | 4.30 | | | | |

TEMPERATURE, C



REF. NO. 75 - 10 - 49

51-11.0 N 140-40.0 W

MO.-9 DAY-2 GMT- 8.7

OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 49

DATE 2/ 9/75

POSITION 51-11.0N 140-40.0W

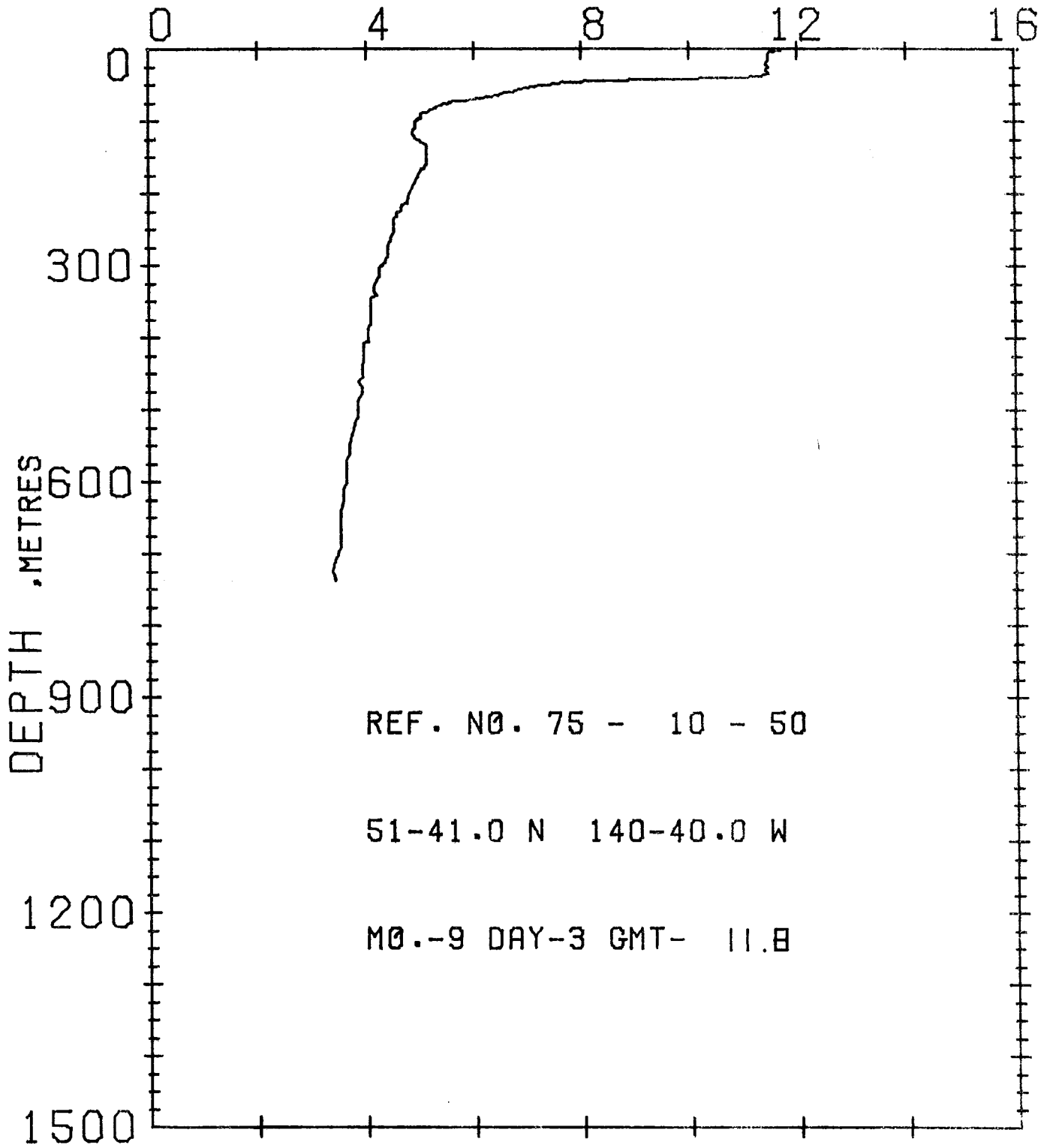
GMT 8.7

RESULTS OF XBT CAST

83 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 2 | 11.78 | 130 | 5.01 | 473 | 3.68 |
| 4 | 11.62 | 146 | 5.01 | 489 | 3.68 |
| 6 | 11.62 | 148 | 5.01 | 501 | 3.68 |
| 13 | 11.68 | 153 | 5.07 | 509 | 3.68 |
| 33 | 11.57 | 164 | 5.07 | 516 | 3.68 |
| 36 | 11.42 | 174 | 5.01 | 527 | 3.68 |
| 38 | 10.95 | 185 | 4.96 | 538 | 3.57 |
| 39 | 10.38 | 191 | 4.79 | 549 | 3.57 |
| 40 | 9.71 | 205 | 4.68 | 559 | 3.52 |
| 44 | 8.82 | 221 | 4.52 | 566 | 3.52 |
| 46 | 7.92 | 246 | 4.41 | 573 | 3.57 |
| 48 | 7.23 | 250 | 4.35 | 583 | 3.46 |
| 50 | 6.85 | 264 | 4.30 | 597 | 3.46 |
| 53 | 6.75 | 272 | 4.24 | 610 | 3.46 |
| 60 | 6.53 | 278 | 4.18 | 621 | 3.46 |
| 61 | 6.37 | 281 | 4.18 | 629 | 3.46 |
| 63 | 6.10 | 297 | 4.07 | 635 | 3.46 |
| 66 | 5.72 | 312 | 4.02 | 644 | 3.41 |
| 70 | 5.72 | 327 | 4.02 | 653 | 3.35 |
| 75 | 5.45 | 344 | 3.91 | 667 | 3.35 |
| 83 | 5.07 | 357 | 3.91 | 682 | 3.29 |
| 91 | 4.90 | 375 | 3.85 | 701 | 3.29 |
| 100 | 4.63 | 392 | 3.85 | 715 | 3.24 |
| 104 | 4.63 | 412 | 3.80 | 730 | 3.24 |
| 108 | 4.74 | 432 | 3.80 | 741 | 3.24 |
| 117 | 4.79 | 444 | 3.80 | 745 | 3.16 |
| 120 | 4.85 | 454 | 3.74 | 748 | 3.16 |
| 128 | 4.90 | 461 | 3.68 | | |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 50

DATE 3/ 9/75

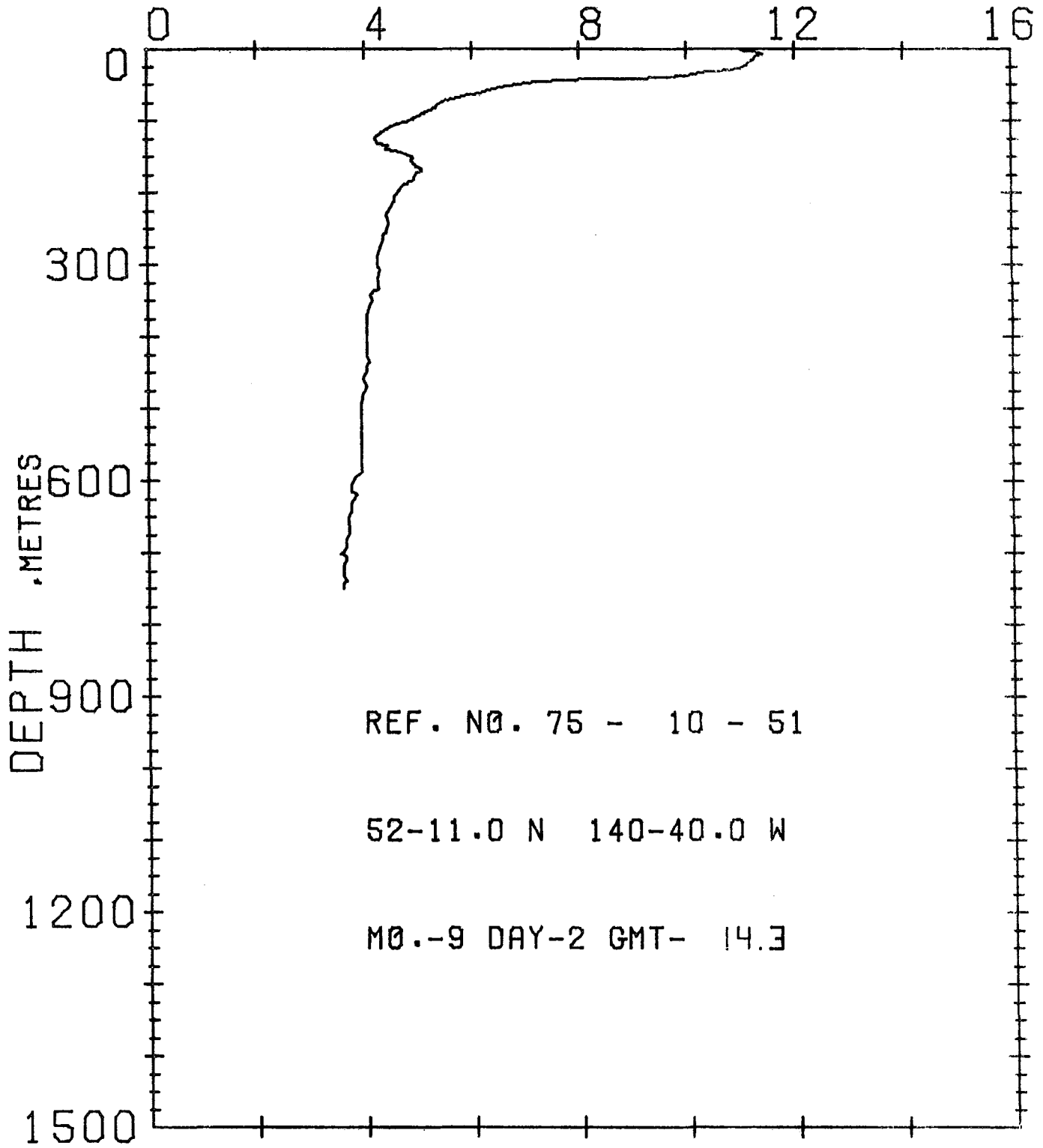
POSITION 51-41.0N 140-40.0W

GMT 11.8

RESULTS OF XBT CAST 132 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 11.68 | 115 | 4.85 | 353 | 4.07 |
| 3 | 11.57 | 120 | 4.85 | 354 | 4.07 |
| 5 | 11.52 | 124 | 4.90 | 358 | 4.07 |
| 7 | 11.47 | 130 | 5.01 | 362 | 4.07 |
| 10 | 11.47 | 135 | 5.12 | 368 | 4.07 |
| 14 | 11.47 | 143 | 5.12 | 377 | 4.07 |
| 17 | 11.47 | 147 | 5.12 | 382 | 4.07 |
| 21 | 11.42 | 151 | 5.12 | 389 | 4.02 |
| 27 | 11.47 | 156 | 5.12 | 396 | 4.02 |
| 31 | 11.42 | 161 | 5.12 | 401 | 4.02 |
| 34 | 11.47 | 165 | 5.07 | 406 | 4.02 |
| 38 | 11.32 | 168 | 5.01 | 409 | 3.96 |
| 39 | 10.95 | 178 | 4.96 | 415 | 3.96 |
| 40 | 10.54 | 185 | 4.90 | 419 | 3.96 |
| 41 | 9.86 | 192 | 4.85 | 425 | 3.96 |
| 42 | 9.71 | 200 | 4.79 | 432 | 3.96 |
| 43 | 9.39 | 214 | 4.74 | 440 | 3.91 |
| 44 | 8.40 | 217 | 4.68 | 445 | 3.91 |
| 45 | 8.13 | 220 | 4.63 | 450 | 3.91 |
| 46 | 7.97 | 224 | 4.63 | 456 | 3.91 |
| 47 | 7.71 | 228 | 4.57 | 461 | 3.85 |
| 49 | 7.55 | 232 | 4.57 | 470 | 3.91 |
| 50 | 7.39 | 236 | 4.52 | 477 | 3.91 |
| 51 | 7.28 | 241 | 4.52 | 489 | 3.85 |
| 52 | 7.12 | 245 | 4.52 | 501 | 3.85 |
| 53 | 7.01 | 250 | 4.52 | 510 | 3.85 |
| 56 | 6.85 | 253 | 4.52 | 521 | 3.86 |
| 59 | 6.75 | 261 | 4.46 | 536 | 3.74 |
| 61 | 6.59 | 266 | 4.46 | 550 | 3.66 |
| 63 | 6.48 | 271 | 4.41 | 561 | 3.66 |
| 66 | 6.32 | 278 | 4.41 | 571 | 3.63 |
| 68 | 6.16 | 282 | 4.41 | 578 | 3.63 |
| 71 | 5.83 | 289 | 4.41 | 592 | 3.63 |
| 72 | 5.67 | 294 | 4.35 | 602 | 3.63 |
| 74 | 5.56 | 297 | 4.35 | 611 | 3.57 |
| 77 | 5.39 | 301 | 4.30 | 625 | 3.57 |
| 81 | 5.28 | 304 | 4.24 | 641 | 3.52 |
| 85 | 5.18 | 311 | 4.24 | 649 | 3.52 |
| 91 | 5.01 | 317 | 4.24 | 661 | 3.52 |
| 95 | 5.01 | 323 | 4.13 | 672 | 3.52 |
| 98 | 4.96 | 331 | 4.13 | 692 | 3.52 |
| 101 | 4.90 | 337 | 4.13 | 712 | 3.41 |
| 104 | 4.90 | 342 | 4.18 | 727 | 3.35 |
| 110 | 4.90 | 347 | 4.07 | 738 | 3.41 |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 51

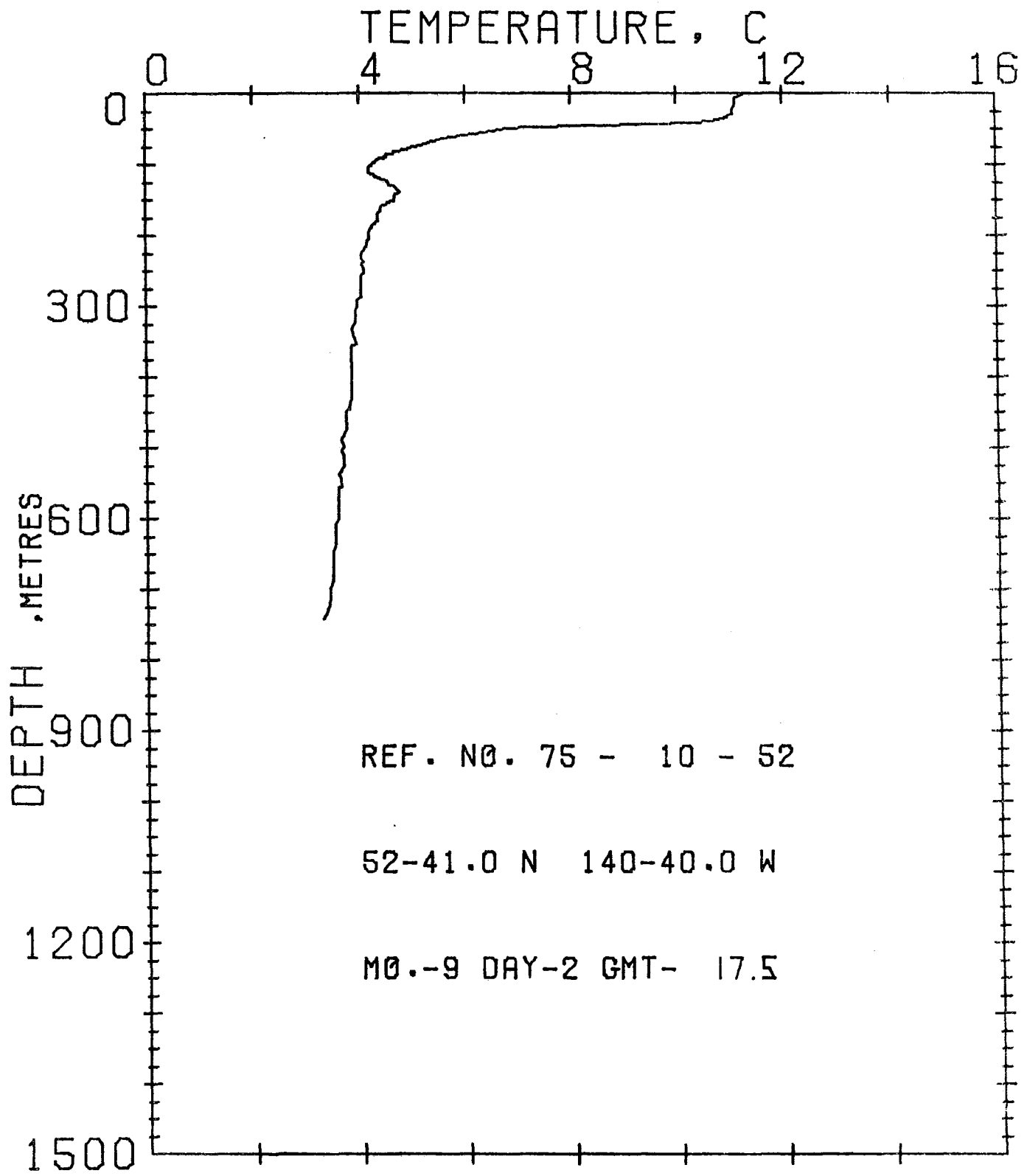
DATE 2/ 9/75

POSITION 52-11.0N 140-40.0W

GMT 14.3

RESULTS OF XBT CAST 118 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 11.01 | 144 | 4.68 | 428 | 4.02 |
| 2 | 11.01 | 148 | 4.79 | 435 | 4.07 |
| 3 | 11.00 | 151 | 4.90 | 442 | 4.02 |
| 4 | 11.26 | 157 | 4.85 | 449 | 4.02 |
| 7 | 11.42 | 161 | 4.90 | 460 | 3.96 |
| 10 | 11.32 | 164 | 4.96 | 470 | 4.02 |
| 15 | 11.26 | 168 | 5.07 | 481 | 3.96 |
| 19 | 11.21 | 171 | 5.07 | 487 | 3.96 |
| 24 | 11.11 | 174 | 4.95 | 494 | 3.91 |
| 28 | 11.01 | 181 | 4.90 | 506 | 3.91 |
| 31 | 10.80 | 187 | 4.79 | 528 | 3.91 |
| 32 | 10.59 | 188 | 4.74 | 550 | 3.91 |
| 33 | 10.38 | 197 | 4.68 | 575 | 3.91 |
| 35 | 10.18 | 206 | 4.57 | 589 | 3.91 |
| 37 | 9.97 | 211 | 4.57 | 598 | 3.80 |
| 39 | 9.66 | 219 | 4.52 | 607 | 3.74 |
| 41 | 8.98 | 226 | 4.46 | 616 | 3.74 |
| 43 | 8.24 | 232 | 4.41 | 620 | 3.85 |
| 44 | 7.81 | 243 | 4.46 | 627 | 3.80 |
| 47 | 7.23 | 255 | 4.41 | 631 | 3.74 |
| 50 | 6.85 | 259 | 4.35 | 640 | 3.74 |
| 56 | 6.42 | 265 | 4.35 | 644 | 3.74 |
| 63 | 6.05 | 278 | 4.30 | 651 | 3.66 |
| 65 | 5.94 | 290 | 4.24 | 659 | 3.66 |
| 70 | 5.67 | 298 | 4.24 | 665 | 3.66 |
| 74 | 5.45 | 303 | 4.24 | 674 | 3.66 |
| 82 | 5.34 | 308 | 4.30 | 681 | 3.65 |
| 91 | 5.12 | 322 | 4.24 | 692 | 3.63 |
| 96 | 4.90 | 334 | 4.24 | 700 | 3.57 |
| 101 | 4.79 | 340 | 4.13 | 702 | 3.52 |
| 105 | 4.63 | 343 | 4.07 | 705 | 3.65 |
| 110 | 4.46 | 350 | 4.13 | 710 | 3.63 |
| 117 | 4.30 | 359 | 4.07 | 717 | 3.57 |
| 125 | 4.18 | 373 | 4.02 | 722 | 3.57 |
| 131 | 4.24 | 382 | 4.02 | 732 | 3.57 |
| 133 | 4.30 | 392 | 4.02 | 740 | 3.63 |
| 134 | 4.35 | 407 | 4.02 | 745 | 3.57 |
| 135 | 4.46 | 413 | 4.02 | 747 | 3.57 |
| 139 | 4.41 | 421 | 4.02 | 749 | 3.57 |
| 142 | 4.52 | | | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 52

DATE 2/ 9/75

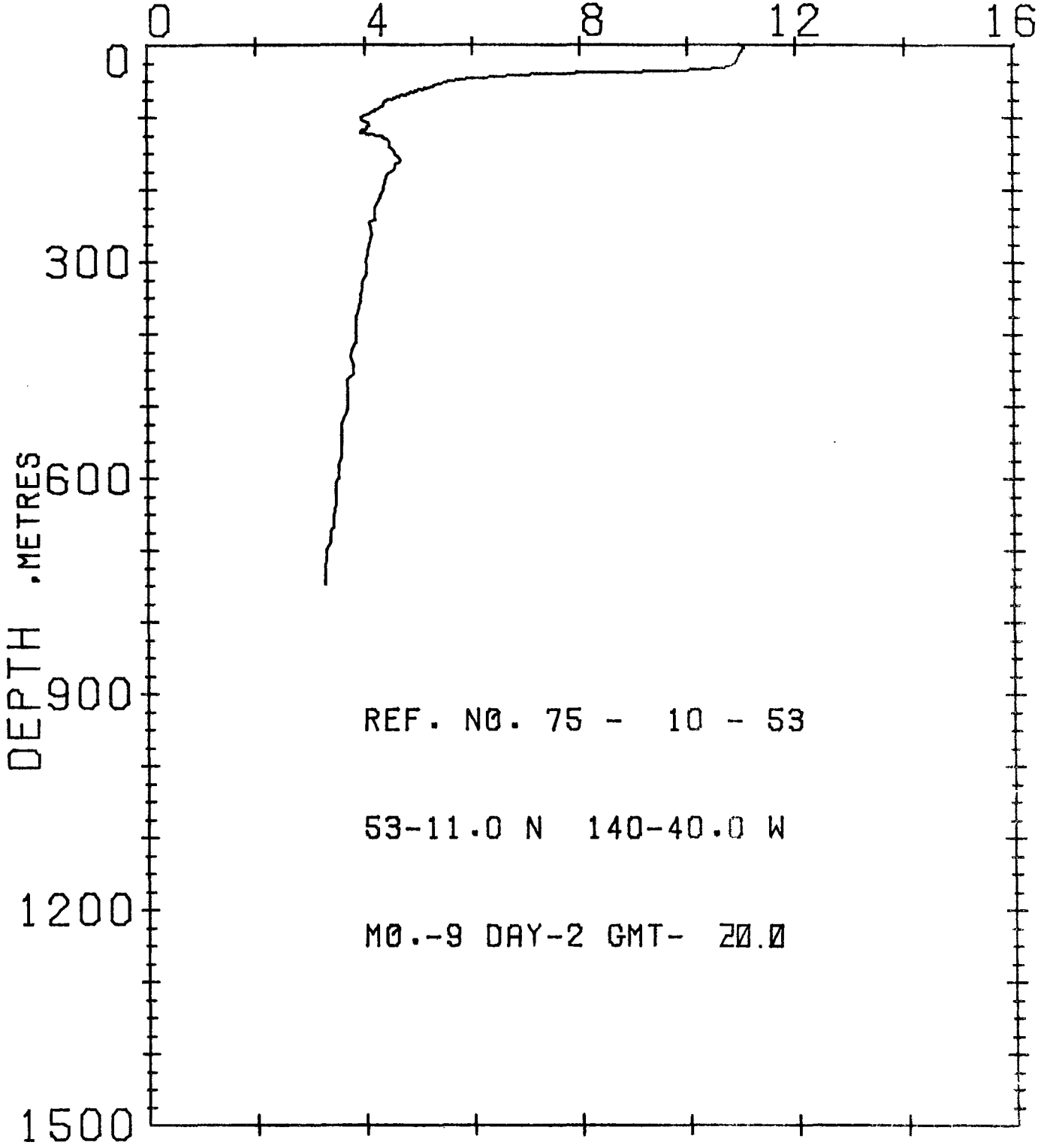
POSITION 52-41.0N 140-40.0W

GMT 17.5

RESULTS OF XBT CAST 129 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 11.26 | 106 | 4.13 | 301 | 3.96 |
| 4 | 11.21 | 110 | 4.18 | 309 | 3.91 |
| 8 | 11.11 | 113 | 4.19 | 321 | 3.91 |
| 14 | 11.11 | 118 | 4.30 | 334 | 3.85 |
| 19 | 11.11 | 124 | 4.52 | 354 | 3.91 |
| 24 | 11.06 | 129 | 4.57 | 358 | 3.85 |
| 28 | 11.06 | 132 | 4.68 | 387 | 3.85 |
| 30 | 11.06 | 139 | 4.74 | 410 | 3.85 |
| 34 | 10.95 | 143 | 4.68 | 432 | 3.85 |
| 36 | 10.90 | 146 | 4.68 | 446 | 3.80 |
| 37 | 10.80 | 148 | 4.68 | 451 | 3.74 |
| 39 | 10.70 | 151 | 4.63 | 457 | 3.74 |
| 40 | 10.59 | 154 | 4.57 | 465 | 3.74 |
| 41 | 10.49 | 157 | 4.52 | 474 | 3.74 |
| 42 | 10.28 | 162 | 4.41 | 484 | 3.68 |
| 43 | 10.07 | 166 | 4.41 | 490 | 3.63 |
| 44 | 9.76 | 170 | 4.35 | 500 | 3.68 |
| 45 | 9.24 | 174 | 4.35 | 506 | 3.63 |
| 46 | 8.66 | 177 | 4.35 | 511 | 3.68 |
| 47 | 7.97 | 180 | 4.35 | 516 | 3.68 |
| 48 | 7.60 | 185 | 4.30 | 527 | 3.68 |
| 49 | 7.12 | 187 | 4.24 | 534 | 3.65 |
| 50 | 6.91 | 191 | 4.24 | 539 | 3.57 |
| 51 | 6.80 | 195 | 4.18 | 544 | 3.65 |
| 54 | 6.53 | 200 | 4.18 | 550 | 3.63 |
| 56 | 6.37 | 204 | 4.13 | 555 | 3.63 |
| 58 | 6.21 | 207 | 4.18 | 557 | 3.57 |
| 61 | 5.94 | 212 | 4.13 | 568 | 3.57 |
| 65 | 5.56 | 216 | 4.13 | 574 | 3.57 |
| 67 | 5.45 | 223 | 4.07 | 582 | 3.57 |
| 69 | 5.39 | 229 | 4.02 | 593 | 3.57 |
| 74 | 5.18 | 235 | 4.02 | 601 | 3.57 |
| 76 | 5.07 | 239 | 4.07 | 610 | 3.52 |
| 78 | 4.96 | 242 | 4.02 | 621 | 3.52 |
| 80 | 4.96 | 248 | 4.07 | 635 | 3.52 |
| 82 | 4.66 | 254 | 4.07 | 648 | 3.46 |
| 85 | 4.63 | 258 | 4.02 | 657 | 3.46 |
| 87 | 4.52 | 265 | 4.02 | 672 | 3.46 |
| 90 | 4.52 | 272 | 4.02 | 687 | 3.46 |
| 92 | 4.46 | 278 | 4.02 | 701 | 3.41 |
| 94 | 4.35 | 282 | 4.02 | 715 | 3.41 |
| 98 | 4.30 | 288 | 4.02 | 729 | 3.35 |
| 101 | 4.24 | 294 | 3.96 | 741 | 3.29 |

TEMPERATURE, C



REF. NO. 75 - 10 - 53

53-11.0 N 140-40.0 W

MO.-9 DAY-2 GMT- 20.0

OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 53

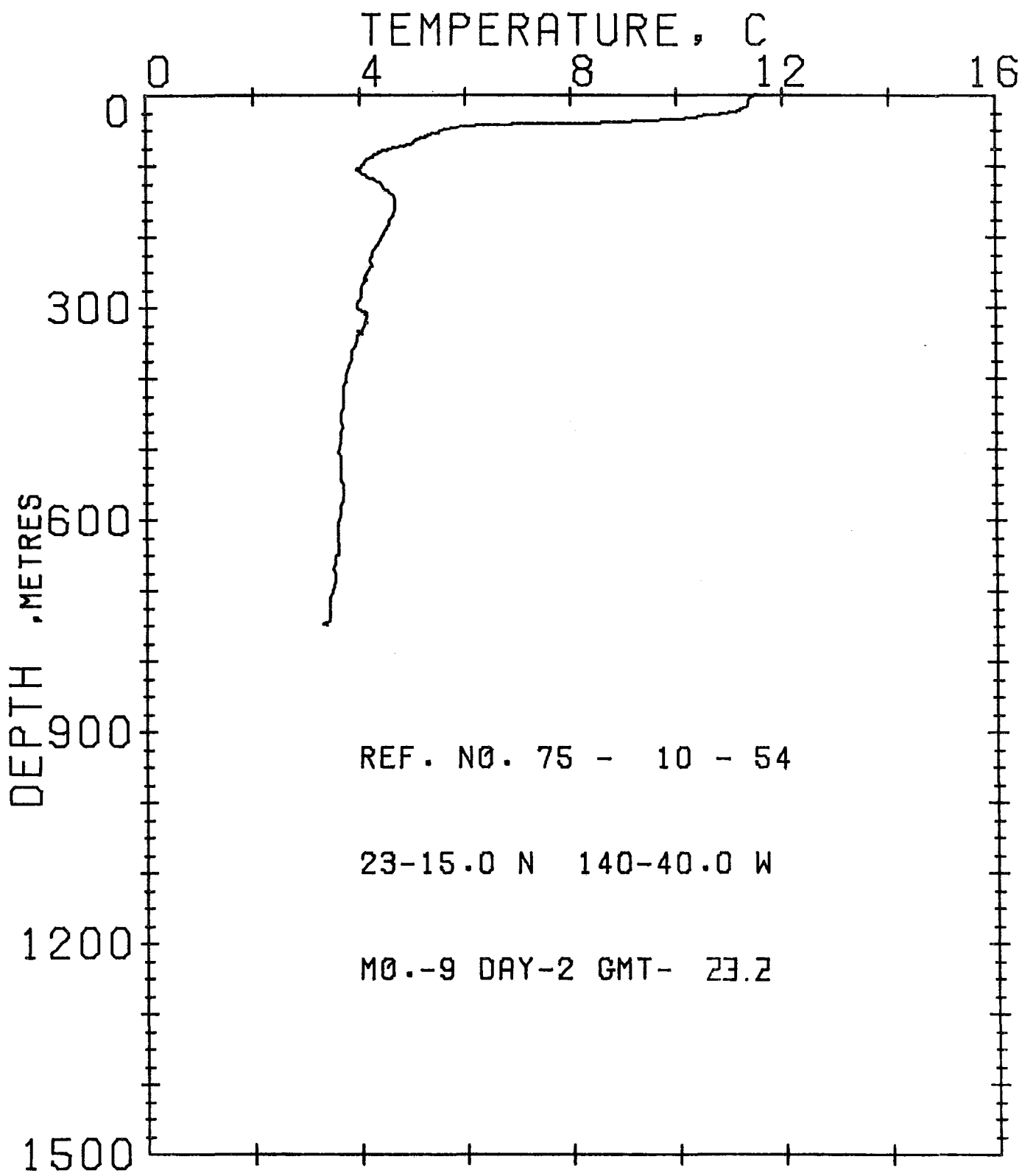
DATE 2/ 9/75

POSITION 53-11.0N 140-40.0W

GMT 20.0

RESULTS OF XBT CAST 80 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 10.95 | 126 | 4.24 | 465 | 3.68 |
| 3 | 11.06 | 128 | 4.35 | 474 | 3.68 |
| 10 | 11.01 | 134 | 4.46 | 486 | 3.68 |
| 16 | 10.95 | 142 | 4.46 | 504 | 3.68 |
| 25 | 10.90 | 159 | 4.68 | 525 | 3.57 |
| 32 | 10.70 | 163 | 4.63 | 540 | 3.57 |
| 35 | 9.81 | 166 | 4.57 | 551 | 3.57 |
| 37 | 8.55 | 171 | 4.57 | 560 | 3.57 |
| 39 | 7.34 | 182 | 4.41 | 571 | 3.57 |
| 44 | 6.42 | 201 | 4.35 | 581 | 3.52 |
| 46 | 6.21 | 209 | 4.30 | 585 | 3.52 |
| 47 | 5.99 | 227 | 4.13 | 594 | 3.52 |
| 48 | 5.77 | 242 | 4.13 | 600 | 3.52 |
| 53 | 5.39 | 246 | 4.07 | 605 | 3.48 |
| 57 | 5.28 | 263 | 4.13 | 619 | 3.48 |
| 63 | 4.96 | 279 | 4.07 | 636 | 3.48 |
| 71 | 4.63 | 299 | 4.02 | 653 | 3.41 |
| 77 | 4.41 | 315 | 4.02 | 669 | 3.41 |
| 84 | 4.35 | 330 | 3.98 | 674 | 3.35 |
| 92 | 4.18 | 354 | 3.91 | 687 | 3.35 |
| 99 | 3.96 | 377 | 3.85 | 701 | 3.29 |
| 101 | 3.91 | 398 | 3.85 | 715 | 3.29 |
| 105 | 3.96 | 412 | 3.85 | 722 | 3.24 |
| 111 | 4.07 | 419 | 3.80 | 734 | 3.24 |
| 113 | 4.07 | 431 | 3.74 | 743 | 3.24 |
| 115 | 4.02 | 443 | 3.80 | 747 | 3.24 |
| 122 | 3.91 | 457 | 3.80 | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 54

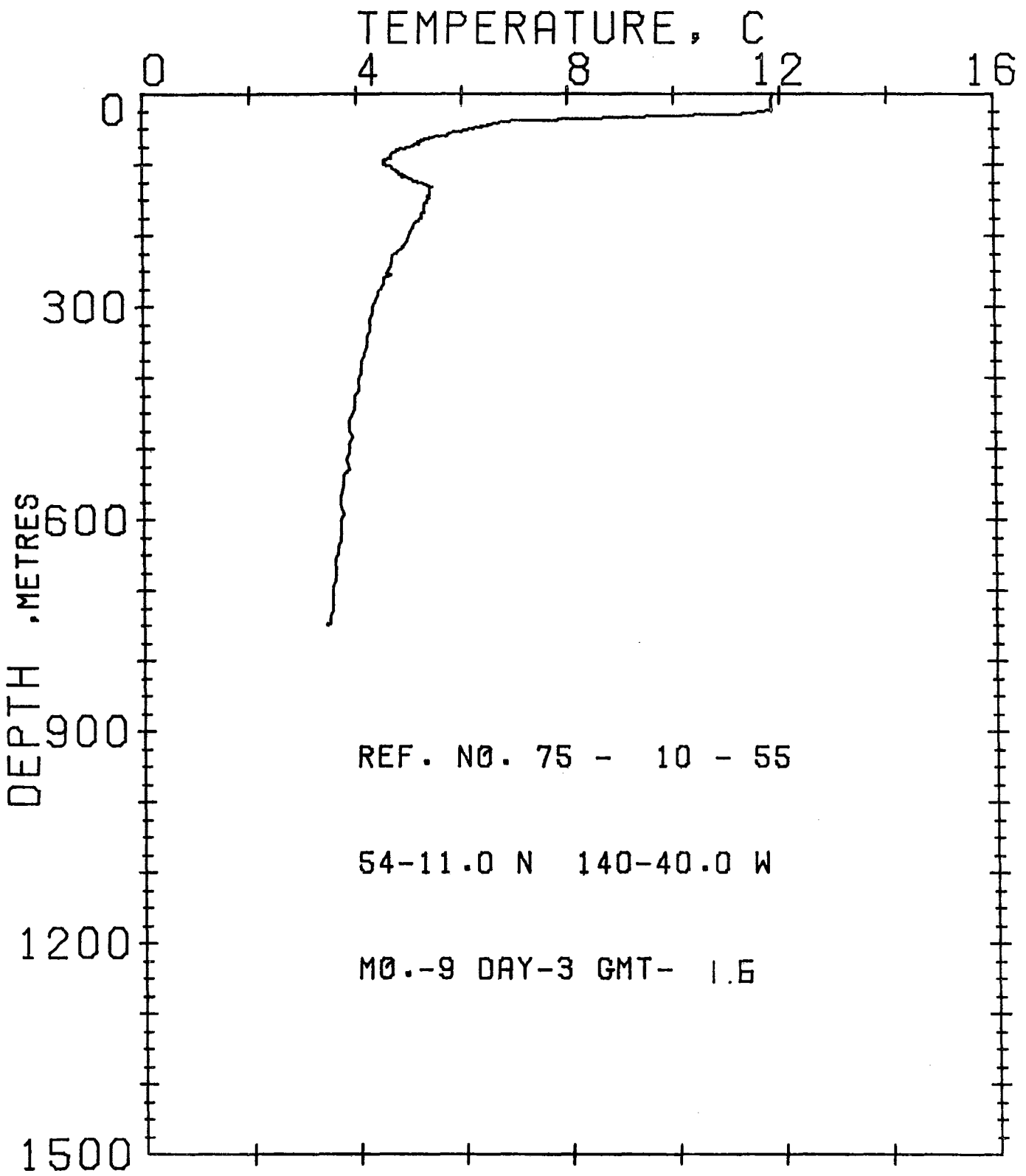
DATE 2/ 9/75

POSITION 23-15.0N 140-40.0W

GMT 23.2

RESULTS OF XBT CAST 135 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 11.52 | 146 | 4.68 | 385 | 3.80 |
| 5 | 11.42 | 149 | 4.68 | 396 | 3.74 |
| 9 | 11.37 | 152 | 4.68 | 407 | 3.74 |
| 15 | 11.37 | 157 | 4.68 | 413 | 3.68 |
| 17 | 11.37 | 163 | 4.68 | 423 | 3.68 |
| 21 | 11.21 | 170 | 4.63 | 433 | 3.68 |
| 23 | 11.11 | 178 | 4.57 | 441 | 3.68 |
| 27 | 10.85 | 182 | 4.57 | 450 | 3.63 |
| 28 | 10.80 | 185 | 4.57 | 460 | 3.63 |
| 29 | 10.54 | 189 | 4.52 | 464 | 3.63 |
| 32 | 10.38 | 197 | 4.46 | 471 | 3.68 |
| 34 | 9.97 | 204 | 4.41 | 475 | 3.63 |
| 35 | 9.45 | 212 | 4.35 | 480 | 3.63 |
| 37 | 8.87 | 222 | 4.24 | 491 | 3.63 |
| 39 | 8.29 | 228 | 4.24 | 505 | 3.57 |
| 40 | 7.39 | 234 | 4.18 | 510 | 3.63 |
| 42 | 6.42 | 242 | 4.24 | 515 | 3.63 |
| 45 | 5.99 | 247 | 4.18 | 520 | 3.63 |
| 46 | 5.83 | 254 | 4.13 | 530 | 3.63 |
| 49 | 5.61 | 259 | 4.07 | 542 | 3.63 |
| 53 | 5.50 | 261 | 4.13 | 546 | 3.63 |
| 55 | 5.45 | 267 | 4.07 | 551 | 3.68 |
| 56 | 5.34 | 272 | 4.02 | 562 | 3.68 |
| 57 | 5.23 | 280 | 4.02 | 573 | 3.68 |
| 60 | 5.23 | 286 | 4.02 | 579 | 3.63 |
| 62 | 5.12 | 293 | 3.96 | 582 | 3.63 |
| 64 | 5.07 | 299 | 3.96 | 594 | 3.63 |
| 68 | 5.01 | 302 | 3.96 | 607 | 3.57 |
| 72 | 4.85 | 306 | 4.02 | 611 | 3.57 |
| 74 | 4.63 | 308 | 4.13 | 622 | 3.57 |
| 77 | 4.52 | 310 | 4.07 | 635 | 3.57 |
| 80 | 4.41 | 313 | 4.13 | 649 | 3.57 |
| 83 | 4.35 | 315 | 4.13 | 653 | 3.52 |
| 88 | 4.24 | 321 | 4.07 | 663 | 3.52 |
| 93 | 4.13 | 323 | 4.13 | 671 | 3.48 |
| 98 | 4.07 | 326 | 4.07 | 675 | 3.52 |
| 102 | 4.02 | 333 | 4.02 | 687 | 3.52 |
| 106 | 3.98 | 335 | 3.96 | 702 | 3.48 |
| 110 | 4.02 | 337 | 4.02 | 711 | 3.41 |
| 116 | 4.13 | 339 | 4.02 | 721 | 3.41 |
| 121 | 4.30 | 340 | 3.96 | 730 | 3.41 |
| 127 | 4.41 | 346 | 3.96 | 737 | 3.41 |
| 132 | 4.48 | 354 | 3.91 | 744 | 3.41 |
| 138 | 4.57 | 362 | 3.85 | 747 | 3.29 |
| 142 | 4.63 | 374 | 3.85 | 749 | 3.38 |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 55

DATE 3/ 9/75

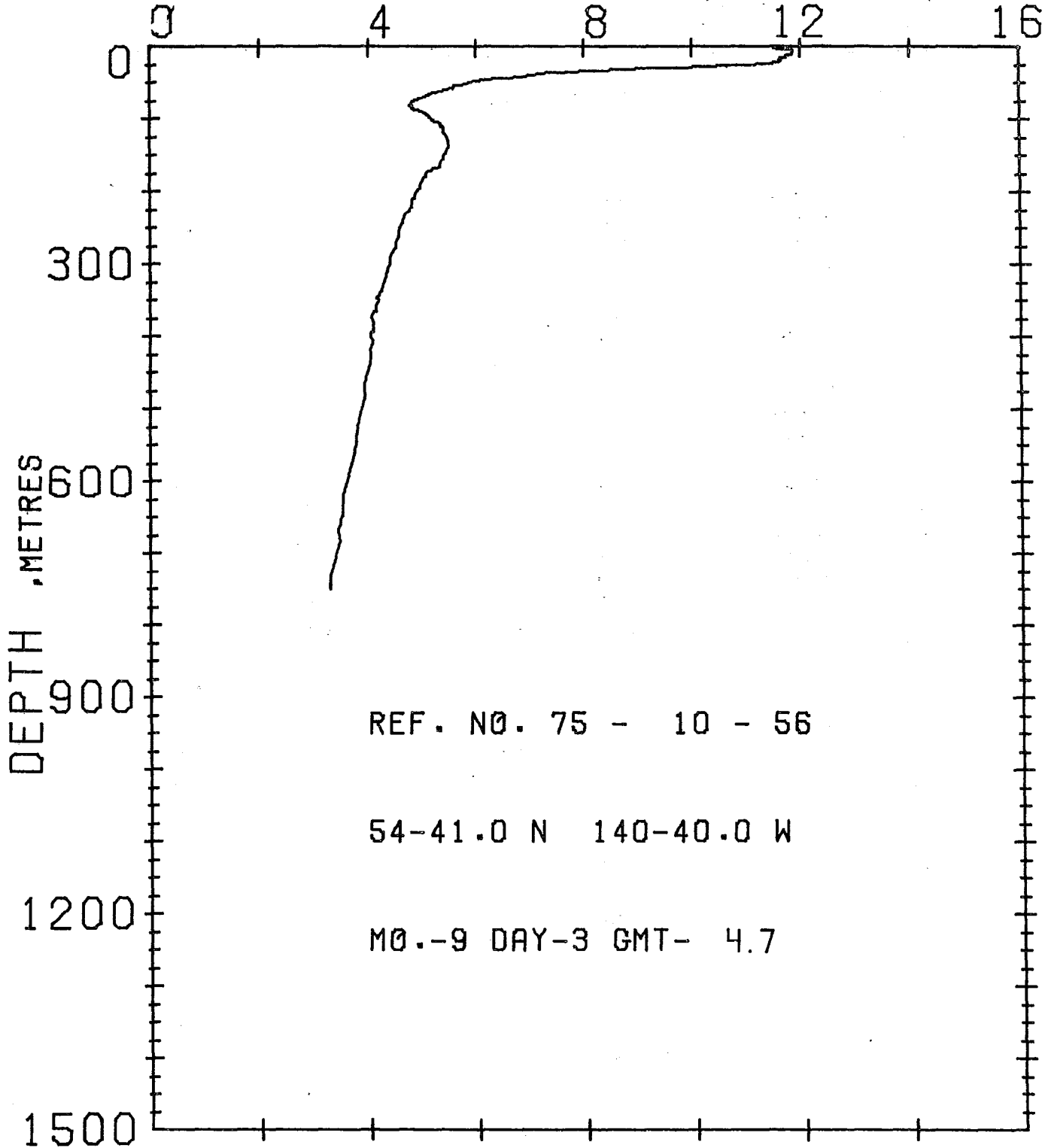
POSITION 54-11.0N 140-40.0W

GMT 1.6

RESULTS OF XBT CAST 157 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 11.80 | 114 | 4.79 | 325 | 4.24 |
| 4 | 11.88 | 115 | 4.90 | 330 | 4.24 |
| 8 | 11.83 | 118 | 4.85 | 334 | 4.24 |
| 13 | 11.83 | 120 | 5.01 | 342 | 4.18 |
| 17 | 11.83 | 123 | 5.07 | 350 | 4.18 |
| 20 | 11.83 | 124 | 5.12 | 357 | 4.10 |
| 24 | 11.83 | 126 | 5.18 | 369 | 4.13 |
| 27 | 11.60 | 128 | 5.28 | 379 | 4.07 |
| 28 | 11.47 | 130 | 5.34 | 387 | 4.07 |
| 30 | 11.11 | 132 | 5.39 | 394 | 4.07 |
| 31 | 10.90 | 133 | 5.45 | 402 | 4.02 |
| 32 | 9.86 | 135 | 5.39 | 411 | 4.02 |
| 34 | 9.13 | 137 | 5.39 | 417 | 4.02 |
| 36 | 8.19 | 139 | 5.39 | 426 | 3.90 |
| 37 | 7.50 | 141 | 5.39 | 433 | 3.90 |
| 38 | 7.01 | 143 | 5.39 | 439 | 3.90 |
| 39 | 6.91 | 146 | 5.34 | 445 | 3.90 |
| 40 | 6.80 | 147 | 5.34 | 463 | 3.85 |
| 43 | 6.69 | 149 | 5.39 | 475 | 3.85 |
| 45 | 6.53 | 152 | 5.34 | 484 | 3.91 |
| 46 | 6.48 | 154 | 5.34 | 495 | 3.85 |
| 47 | 6.37 | 157 | 5.28 | 505 | 3.85 |
| 48 | 6.37 | 162 | 5.28 | 514 | 3.80 |
| 49 | 6.32 | 165 | 5.28 | 519 | 3.80 |
| 51 | 6.21 | 167 | 5.20 | 529 | 3.85 |
| 52 | 6.10 | 171 | 5.23 | 534 | 3.80 |
| 53 | 5.99 | 175 | 5.23 | 537 | 3.74 |
| 55 | 5.80 | 179 | 5.18 | 543 | 3.74 |
| 57 | 5.77 | 180 | 5.18 | 553 | 3.74 |
| 59 | 5.72 | 181 | 5.12 | 567 | 3.60 |
| 61 | 5.61 | 187 | 5.07 | 584 | 3.60 |
| 62 | 5.45 | 190 | 5.07 | 591 | 3.74 |
| 64 | 5.39 | 195 | 5.01 | 602 | 3.60 |
| 65 | 5.34 | 208 | 4.96 | 613 | 3.60 |
| 66 | 5.28 | 218 | 4.85 | 621 | 3.60 |
| 67 | 5.23 | 226 | 4.74 | 631 | 3.60 |
| 69 | 5.18 | 229 | 4.68 | 638 | 3.60 |
| 71 | 5.18 | 238 | 4.68 | 649 | 3.60 |
| 74 | 5.07 | 245 | 4.63 | 657 | 3.57 |
| 77 | 4.90 | 254 | 4.57 | 667 | 3.57 |
| 80 | 4.79 | 256 | 4.63 | 675 | 3.57 |
| 83 | 4.74 | 260 | 4.52 | 686 | 3.57 |
| 86 | 4.66 | 263 | 4.52 | 695 | 3.52 |
| 88 | 4.63 | 269 | 4.52 | 705 | 3.52 |
| 92 | 4.63 | 275 | 4.46 | 711 | 3.52 |
| 94 | 4.57 | 280 | 4.41 | 720 | 3.52 |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 56

DATE 3/ 9/75

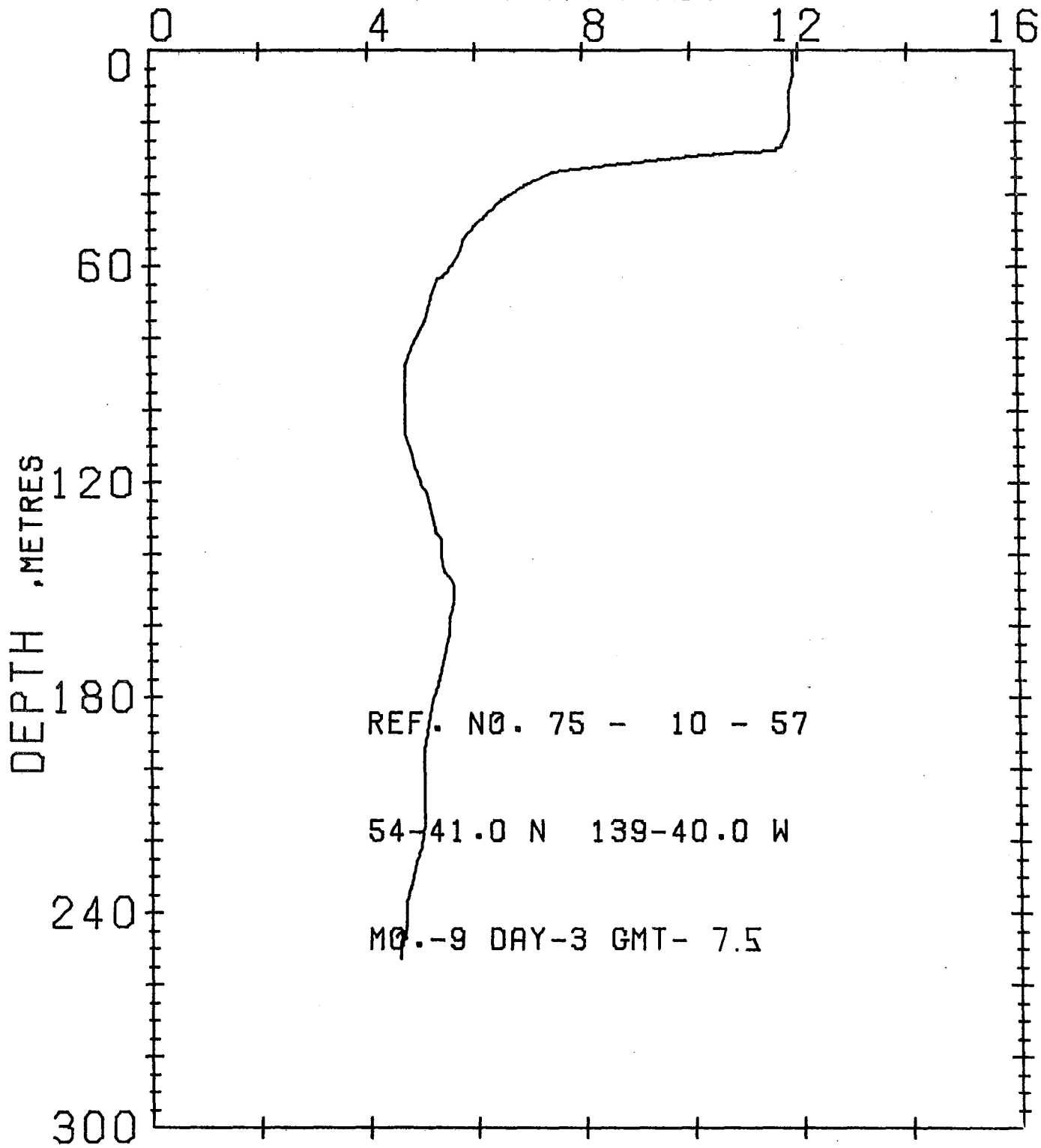
POSITION 54-41.0N 140-40.0W

GMT 4.7

RESULTS OF XBT CAST 137 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 11.52 | 78 | 4.79 | 278 | 4.52 |
| 3 | 11.57 | 81 | 4.79 | 283 | 4.46 |
| 4 | 11.68 | 83 | 4.74 | 291 | 4.41 |
| 5 | 11.78 | 86 | 4.79 | 300 | 4.41 |
| 6 | 11.88 | 88 | 4.85 | 310 | 4.35 |
| 7 | 11.88 | 91 | 4.96 | 324 | 4.30 |
| 10 | 11.88 | 94 | 5.07 | 337 | 4.24 |
| 11 | 11.83 | 98 | 5.12 | 343 | 4.18 |
| 12 | 11.73 | 101 | 5.18 | 348 | 4.13 |
| 14 | 11.73 | 105 | 5.23 | 351 | 4.18 |
| 15 | 11.73 | 107 | 5.34 | 359 | 4.13 |
| 16 | 11.66 | 109 | 5.34 | 366 | 4.13 |
| 17 | 11.62 | 113 | 5.39 | 369 | 4.07 |
| 20 | 11.62 | 117 | 5.39 | 374 | 4.02 |
| 22 | 11.57 | 120 | 5.39 | 380 | 4.07 |
| 23 | 11.47 | 123 | 5.45 | 384 | 4.07 |
| 24 | 11.26 | 124 | 5.45 | 388 | 4.07 |
| 25 | 11.06 | 129 | 5.50 | 393 | 4.07 |
| 26 | 10.64 | 131 | 5.50 | 396 | 4.02 |
| 28 | 10.28 | 134 | 5.50 | 403 | 4.02 |
| 30 | 9.71 | 137 | 5.50 | 406 | 4.07 |
| 31 | 9.19 | 139 | 5.50 | 409 | 4.07 |
| 32 | 8.77 | 141 | 5.50 | 421 | 4.02 |
| 34 | 8.19 | 146 | 5.45 | 438 | 4.02 |
| 35 | 7.65 | 148 | 5.45 | 458 | 3.96 |
| 36 | 7.39 | 151 | 5.39 | 468 | 3.91 |
| 37 | 7.23 | 156 | 5.39 | 486 | 3.91 |
| 40 | 7.07 | 161 | 5.34 | 505 | 3.85 |
| 41 | 6.85 | 166 | 5.34 | 525 | 3.80 |
| 43 | 6.80 | 171 | 5.18 | 561 | 3.74 |
| 44 | 6.64 | 176 | 5.07 | 591 | 3.63 |
| 45 | 6.48 | 179 | 5.07 | 605 | 3.57 |
| 46 | 6.15 | 184 | 5.01 | 620 | 3.52 |
| 48 | 6.05 | 192 | 4.96 | 637 | 3.52 |
| 49 | 5.99 | 197 | 4.96 | 647 | 3.52 |
| 50 | 5.88 | 200 | 4.90 | 654 | 3.46 |
| 53 | 5.72 | 205 | 4.85 | 660 | 3.46 |
| 55 | 5.61 | 209 | 4.85 | 669 | 3.41 |
| 56 | 5.61 | 212 | 4.79 | 684 | 3.46 |
| 58 | 5.56 | 221 | 4.79 | 712 | 3.35 |
| 60 | 5.45 | 227 | 4.74 | 732 | 3.29 |
| 62 | 5.39 | 235 | 4.68 | 740 | 3.29 |
| 65 | 5.23 | 244 | 4.63 | 745 | 3.29 |
| 68 | 5.12 | 254 | 4.57 | 747 | 3.29 |
| 74 | 4.96 | 261 | 4.57 | 749 | 3.29 |
| 75 | 4.85 | 272 | 4.52 | | |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 57

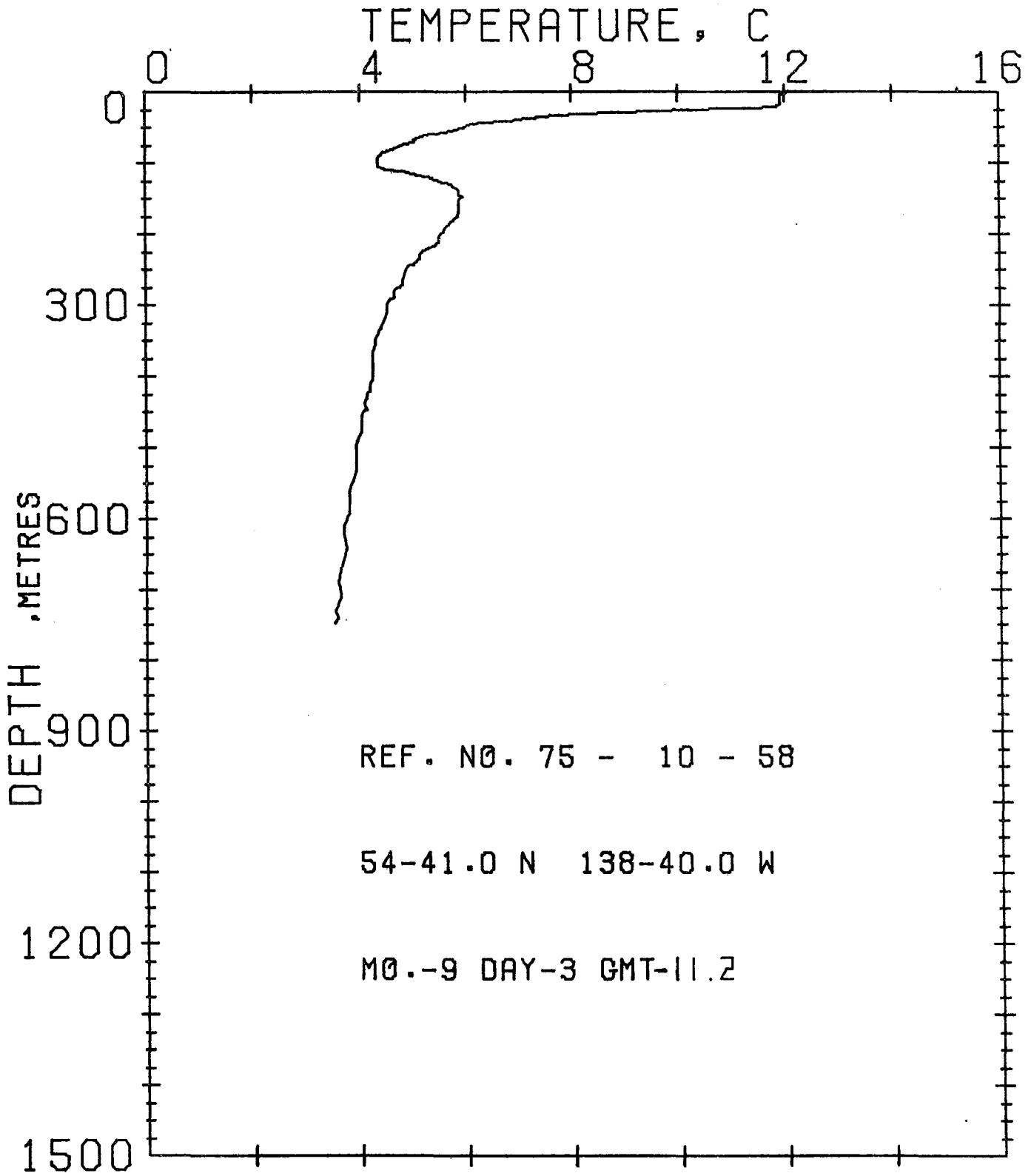
DATE 3/ 9/75

POSITION 54-41.0N 139-40.0W

GMT 7.5

RESULTS OF XBT CAST 74 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 11.93 | 75 | 5.07 | 158 | 5.50 |
| 4 | 11.93 | 78 | 4.96 | 163 | 5.50 |
| 7 | 11.93 | 81 | 4.85 | 169 | 5.39 |
| 10 | 11.88 | 85 | 4.74 | 173 | 5.34 |
| 12 | 11.83 | 88 | 4.68 | 177 | 5.26 |
| 16 | 11.83 | 96 | 4.68 | 181 | 5.16 |
| 22 | 11.83 | 102 | 4.68 | 185 | 5.12 |
| 24 | 11.78 | 107 | 4.68 | 190 | 5.07 |
| 27 | 11.68 | 113 | 4.79 | 195 | 5.01 |
| 28 | 11.57 | 116 | 4.85 | 198 | 5.01 |
| 29 | 10.54 | 118 | 4.90 | 200 | 5.01 |
| 30 | 9.76 | 120 | 4.96 | 205 | 5.01 |
| 32 | 8.50 | 121 | 4.96 | 208 | 5.01 |
| 34 | 7.44 | 123 | 5.07 | 215 | 5.01 |
| 38 | 6.91 | 127 | 5.12 | 222 | 4.96 |
| 42 | 6.48 | 133 | 5.23 | 226 | 4.85 |
| 46 | 6.21 | 134 | 5.23 | 230 | 4.79 |
| 49 | 5.99 | 136 | 5.34 | 233 | 4.74 |
| 53 | 5.77 | 139 | 5.34 | 237 | 4.68 |
| 56 | 5.72 | 141 | 5.34 | 240 | 4.68 |
| 60 | 5.56 | 145 | 5.39 | 243 | 4.68 |
| 63 | 5.39 | 146 | 5.45 | 247 | 4.65 |
| 64 | 5.28 | 147 | 5.50 | 248 | 4.57 |
| 69 | 5.18 | 149 | 5.56 | 253 | 4.57 |
| 72 | 5.12 | 154 | 5.56 | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 58

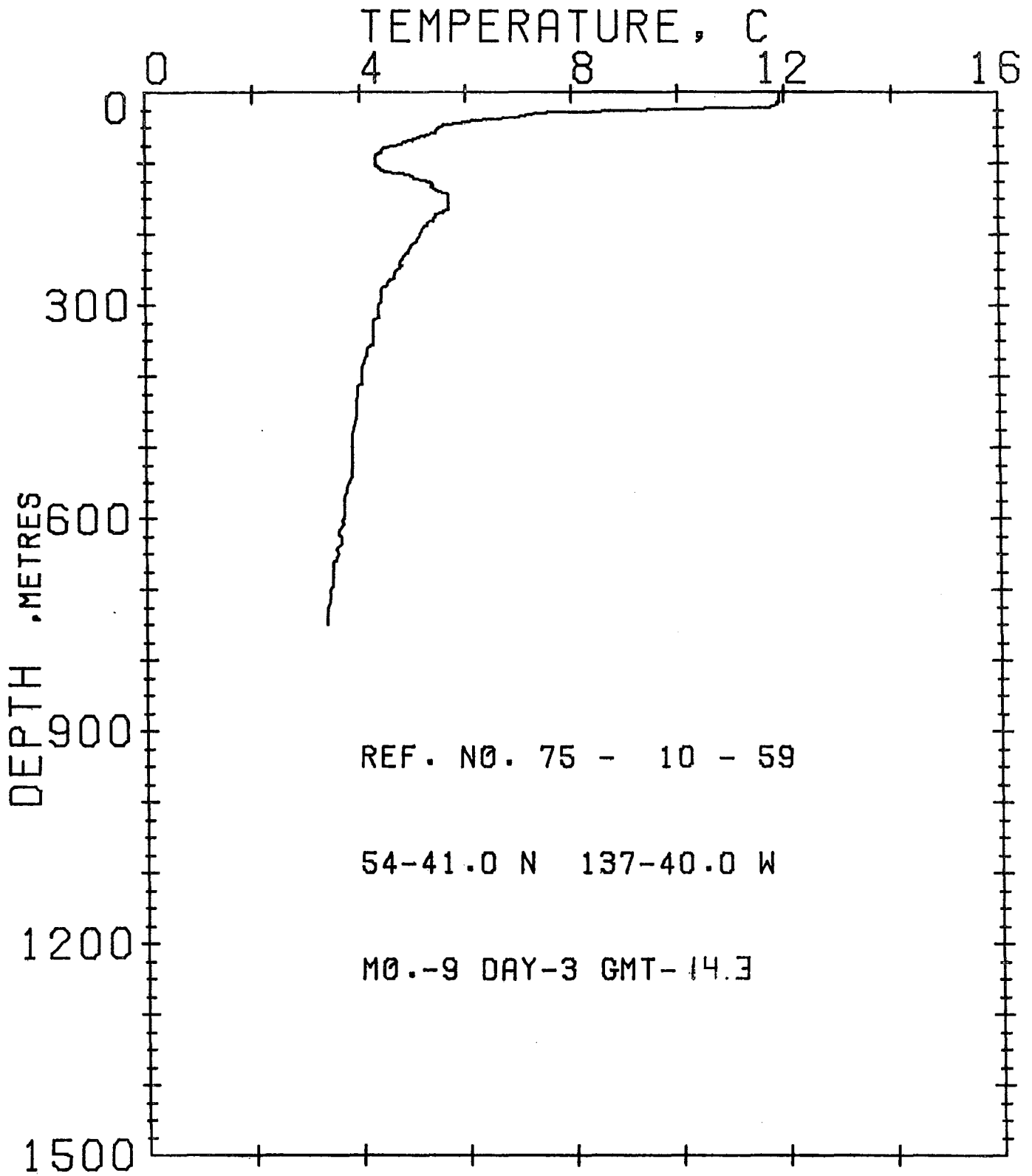
DATE 3/ 9/75

POSITION 54-41.0N 136-40.0W

GMT 11.2

RESULTS OF XBT CAST 133 POINTS TAKEN FROM ANALOG TRACE

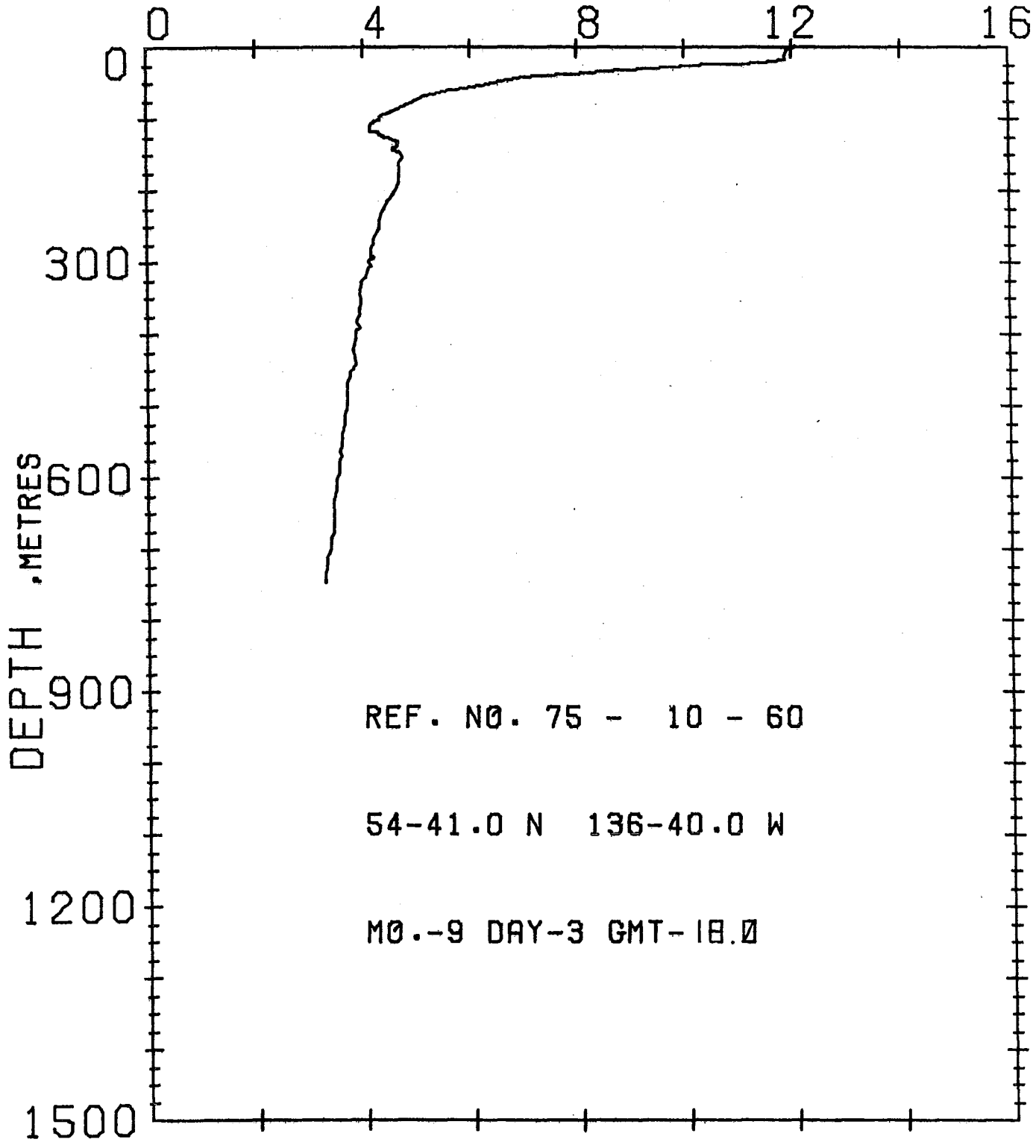
| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 12.09 | 109 | 4.46 | 294 | 4.57 |
| 2 | 12.04 | 112 | 4.79 | 300 | 4.52 |
| 3 | 11.98 | 117 | 5.07 | 303 | 4.52 |
| 5 | 11.93 | 120 | 5.23 | 310 | 4.52 |
| 9 | 11.93 | 122 | 5.34 | 311 | 4.52 |
| 15 | 11.93 | 123 | 5.39 | 333 | 4.41 |
| 19 | 11.93 | 125 | 5.50 | 340 | 4.35 |
| 21 | 11.83 | 129 | 5.67 | 349 | 4.30 |
| 23 | 11.32 | 131 | 5.72 | 357 | 4.30 |
| 24 | 10.75 | 135 | 5.77 | 368 | 4.24 |
| 25 | 10.44 | 138 | 5.83 | 373 | 4.24 |
| 26 | 10.13 | 140 | 5.88 | 382 | 4.24 |
| 28 | 9.60 | 145 | 5.88 | 390 | 4.24 |
| 31 | 8.87 | 148 | 5.94 | 396 | 4.24 |
| 33 | 8.13 | 154 | 5.88 | 400 | 4.24 |
| 34 | 7.81 | 159 | 5.88 | 406 | 4.24 |
| 36 | 7.39 | 163 | 5.88 | 413 | 4.10 |
| 37 | 7.34 | 166 | 5.88 | 422 | 4.10 |
| 38 | 7.18 | 171 | 5.88 | 427 | 4.10 |
| 39 | 7.01 | 175 | 5.83 | 432 | 4.10 |
| 41 | 6.85 | 181 | 5.77 | 437 | 4.07 |
| 43 | 6.64 | 188 | 5.67 | 442 | 4.07 |
| 44 | 6.48 | 194 | 5.61 | 447 | 4.13 |
| 45 | 6.32 | 199 | 5.56 | 450 | 4.07 |
| 46 | 6.15 | 203 | 5.50 | 457 | 4.02 |
| 48 | 6.05 | 205 | 5.50 | 465 | 4.02 |
| 52 | 5.94 | 208 | 5.50 | 470 | 4.02 |
| 54 | 5.83 | 211 | 5.50 | 480 | 4.02 |
| 55 | 5.83 | 215 | 5.45 | 490 | 3.90 |
| 58 | 5.61 | 221 | 5.28 | 499 | 3.91 |
| 60 | 5.45 | 226 | 5.18 | 511 | 3.91 |
| 61 | 5.34 | 230 | 5.12 | 534 | 3.91 |
| 65 | 5.13 | 236 | 5.12 | 561 | 3.80 |
| 66 | 5.07 | 240 | 5.07 | 591 | 3.80 |
| 69 | 5.01 | 243 | 5.01 | 613 | 3.60 |
| 71 | 5.01 | 247 | 4.90 | 623 | 3.60 |
| 74 | 4.90 | 254 | 4.85 | 644 | 3.74 |
| 76 | 4.79 | 265 | 4.79 | 672 | 3.60 |
| 81 | 4.63 | 271 | 4.79 | 692 | 3.57 |
| 84 | 4.52 | 275 | 4.74 | 705 | 3.60 |
| 89 | 4.41 | 279 | 4.68 | 713 | 3.60 |
| 94 | 4.35 | 283 | 4.63 | 731 | 3.52 |
| 99 | 4.35 | 287 | 4.63 | 742 | 3.57 |
| 102 | 4.35 | 290 | 4.63 | 747 | 3.52 |
| 106 | 4.35 | | | | |



OFFSHORE OCEANOGRAPHY
 REFERENCE NO. 75- 10- 59 DATE 3/ 9/75
 POSITION 54-41.0N 137-40.0W GMT 14.3
 RESULTS OF XBT CAST 151 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 12.04 | 128 | 5.34 | 355 | 4.24 |
| 1 | 11.93 | 130 | 5.39 | 358 | 4.18 |
| 8 | 11.93 | 132 | 5.39 | 362 | 4.13 |
| 13 | 11.93 | 134 | 5.34 | 369 | 4.13 |
| 16 | 11.88 | 136 | 5.39 | 373 | 4.13 |
| 18 | 11.88 | 138 | 5.45 | 377 | 4.07 |
| 21 | 11.73 | 140 | 5.50 | 382 | 4.07 |
| 22 | 11.06 | 142 | 5.56 | 387 | 4.02 |
| 24 | 9.92 | 144 | 5.67 | 401 | 4.02 |
| 26 | 8.98 | 147 | 5.67 | 412 | 4.02 |
| 28 | 8.24 | 152 | 5.67 | 415 | 3.96 |
| 29 | 7.76 | 157 | 5.67 | 422 | 3.96 |
| 31 | 7.39 | 163 | 5.67 | 424 | 3.96 |
| 33 | 7.23 | 166 | 5.67 | 435 | 3.91 |
| 34 | 7.12 | 168 | 5.61 | 460 | 3.91 |
| 35 | 7.01 | 170 | 5.56 | 481 | 3.85 |
| 36 | 6.80 | 172 | 5.45 | 499 | 3.85 |
| 37 | 6.64 | 175 | 5.45 | 516 | 3.85 |
| 38 | 6.48 | 179 | 5.39 | 540 | 3.85 |
| 40 | 6.21 | 182 | 5.39 | 551 | 3.80 |
| 42 | 6.05 | 185 | 5.28 | 557 | 3.74 |
| 43 | 5.99 | 187 | 5.28 | 561 | 3.74 |
| 44 | 5.94 | 190 | 5.23 | 571 | 3.68 |
| 46 | 5.61 | 195 | 5.18 | 586 | 3.68 |
| 49 | 5.56 | 203 | 5.12 | 600 | 3.68 |
| 52 | 5.50 | 210 | 5.07 | 604 | 3.63 |
| 56 | 5.45 | 218 | 4.96 | 608 | 3.68 |
| 57 | 5.45 | 225 | 4.90 | 617 | 3.57 |
| 60 | 5.28 | 230 | 4.85 | 623 | 3.57 |
| 64 | 5.12 | 236 | 4.79 | 627 | 3.63 |
| 67 | 5.01 | 241 | 4.74 | 635 | 3.63 |
| 70 | 4.85 | 243 | 4.74 | 645 | 3.52 |
| 74 | 4.79 | 245 | 4.79 | 649 | 3.57 |
| 75 | 4.63 | 248 | 4.74 | 660 | 3.52 |
| 79 | 4.52 | 253 | 4.68 | 663 | 3.46 |
| 80 | 4.46 | 258 | 4.63 | 669 | 3.46 |
| 85 | 4.41 | 261 | 4.63 | 678 | 3.46 |
| 90 | 4.30 | 262 | 4.63 | 682 | 3.46 |
| 95 | 4.30 | 266 | 4.57 | 690 | 3.46 |
| 99 | 4.30 | 273 | 4.52 | 696 | 3.46 |
| 103 | 4.30 | 278 | 4.41 | 702 | 3.41 |
| 106 | 4.35 | 282 | 4.41 | 707 | 3.41 |
| 109 | 4.41 | 290 | 4.41 | 718 | 3.41 |
| 112 | 4.46 | 296 | 4.41 | 725 | 3.35 |
| 114 | 4.74 | 300 | 4.35 | 731 | 3.35 |
| 116 | 4.85 | 307 | 4.35 | 737 | 3.35 |
| 118 | 4.96 | 318 | 4.35 | 741 | 3.35 |
| 120 | 5.01 | 323 | 4.24 | 746 | 3.35 |
| 122 | 5.01 | 333 | 4.24 | 748 | 3.35 |
| 124 | 5.18 | 343 | 4.24 | 749 | 3.35 |
| 127 | 5.28 | | | | |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 30

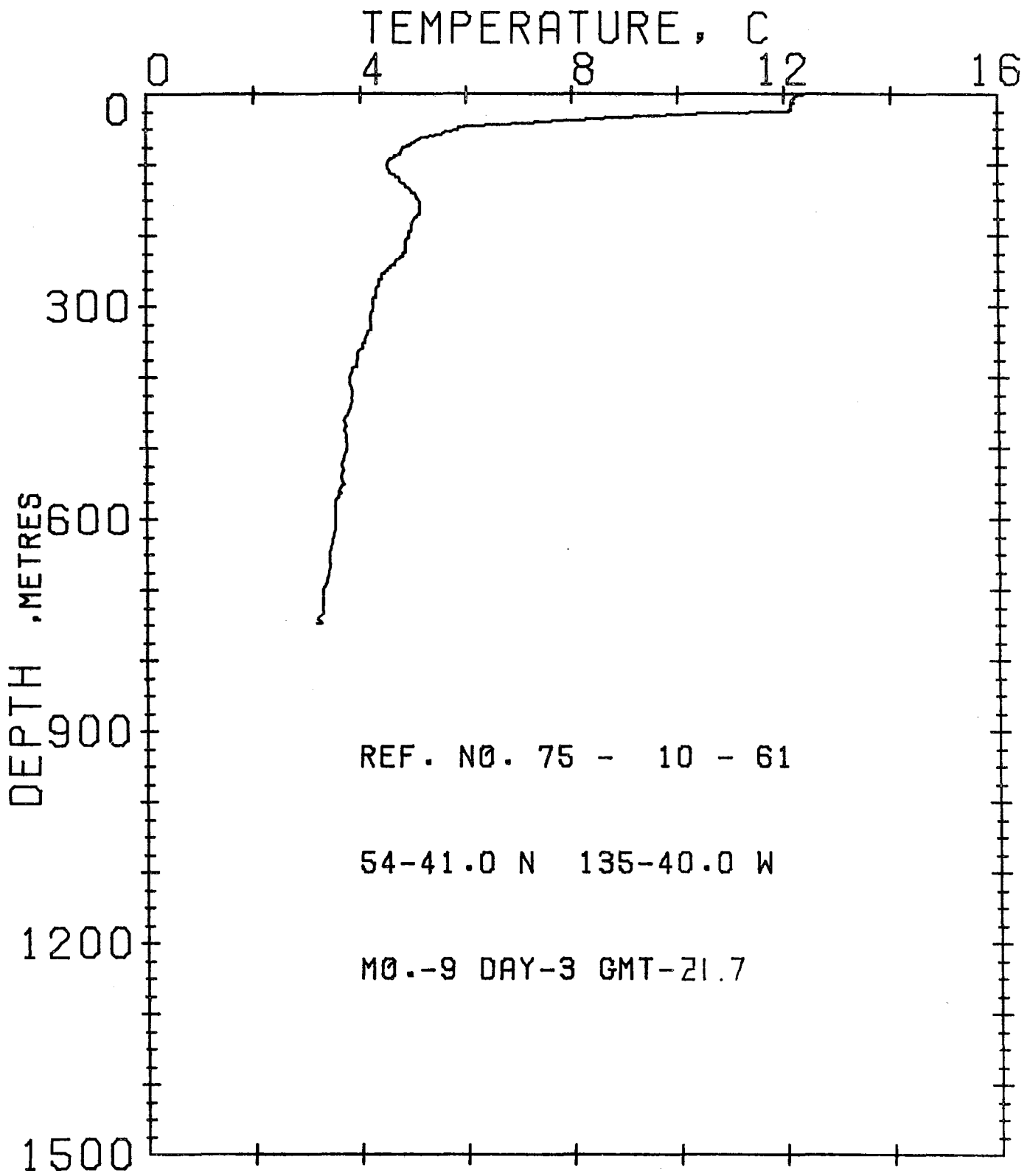
DATE 3/ 9/75

POSITION 54-41.0N 130-40.0W

GMT 18.0

RESULTS OF XBT CAST 109 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 12.09 | 144 | 4.57 | 424 | 3.80 |
| 5 | 11.93 | 145 | 4.63 | 440 | 3.85 |
| 11 | 11.88 | 147 | 4.68 | 445 | 3.85 |
| 18 | 11.88 | 154 | 4.74 | 449 | 3.80 |
| 22 | 11.42 | 162 | 4.68 | 454 | 3.74 |
| 23 | 11.06 | 172 | 4.68 | 460 | 3.74 |
| 24 | 10.49 | 167 | 4.68 | 468 | 3.68 |
| 28 | 9.76 | 196 | 4.63 | 486 | 3.60 |
| 34 | 8.50 | 205 | 4.57 | 505 | 3.60 |
| 37 | 7.92 | 215 | 4.46 | 513 | 3.63 |
| 39 | 7.34 | 226 | 4.41 | 525 | 3.65 |
| 41 | 7.01 | 232 | 4.35 | 540 | 3.57 |
| 44 | 6.91 | 243 | 4.30 | 557 | 3.57 |
| 49 | 6.59 | 254 | 4.30 | 565 | 3.52 |
| 54 | 6.21 | 268 | 4.18 | 571 | 3.57 |
| 59 | 5.72 | 274 | 4.18 | 579 | 3.52 |
| 61 | 5.61 | 275 | 4.18 | 586 | 3.52 |
| 65 | 5.45 | 282 | 4.13 | 596 | 3.52 |
| 68 | 5.18 | 292 | 4.13 | 603 | 3.40 |
| 61 | 4.79 | 295 | 4.18 | 607 | 3.40 |
| 97 | 4.35 | 300 | 4.07 | 616 | 3.40 |
| 102 | 4.30 | 305 | 4.13 | 631 | 3.41 |
| 107 | 4.18 | 310 | 4.07 | 640 | 3.41 |
| 111 | 4.13 | 323 | 4.02 | 648 | 3.41 |
| 116 | 4.13 | 327 | 3.96 | 656 | 3.41 |
| 117 | 4.13 | 334 | 3.96 | 667 | 3.41 |
| 118 | 4.24 | 340 | 3.91 | 669 | 3.41 |
| 120 | 4.30 | 347 | 3.91 | 675 | 3.41 |
| 122 | 4.30 | 355 | 3.96 | 685 | 3.35 |
| 123 | 4.35 | 359 | 3.96 | 699 | 3.35 |
| 125 | 4.41 | 365 | 3.91 | 714 | 3.29 |
| 128 | 4.52 | 374 | 3.91 | 729 | 3.29 |
| 131 | 4.63 | 385 | 3.85 | 736 | 3.24 |
| 134 | 4.68 | 392 | 3.91 | 742 | 3.24 |
| 135 | 4.63 | 397 | 3.85 | 746 | 3.24 |
| 138 | 4.63 | 406 | 3.85 | 748 | 3.24 |
| 142 | 4.57 | | | | |



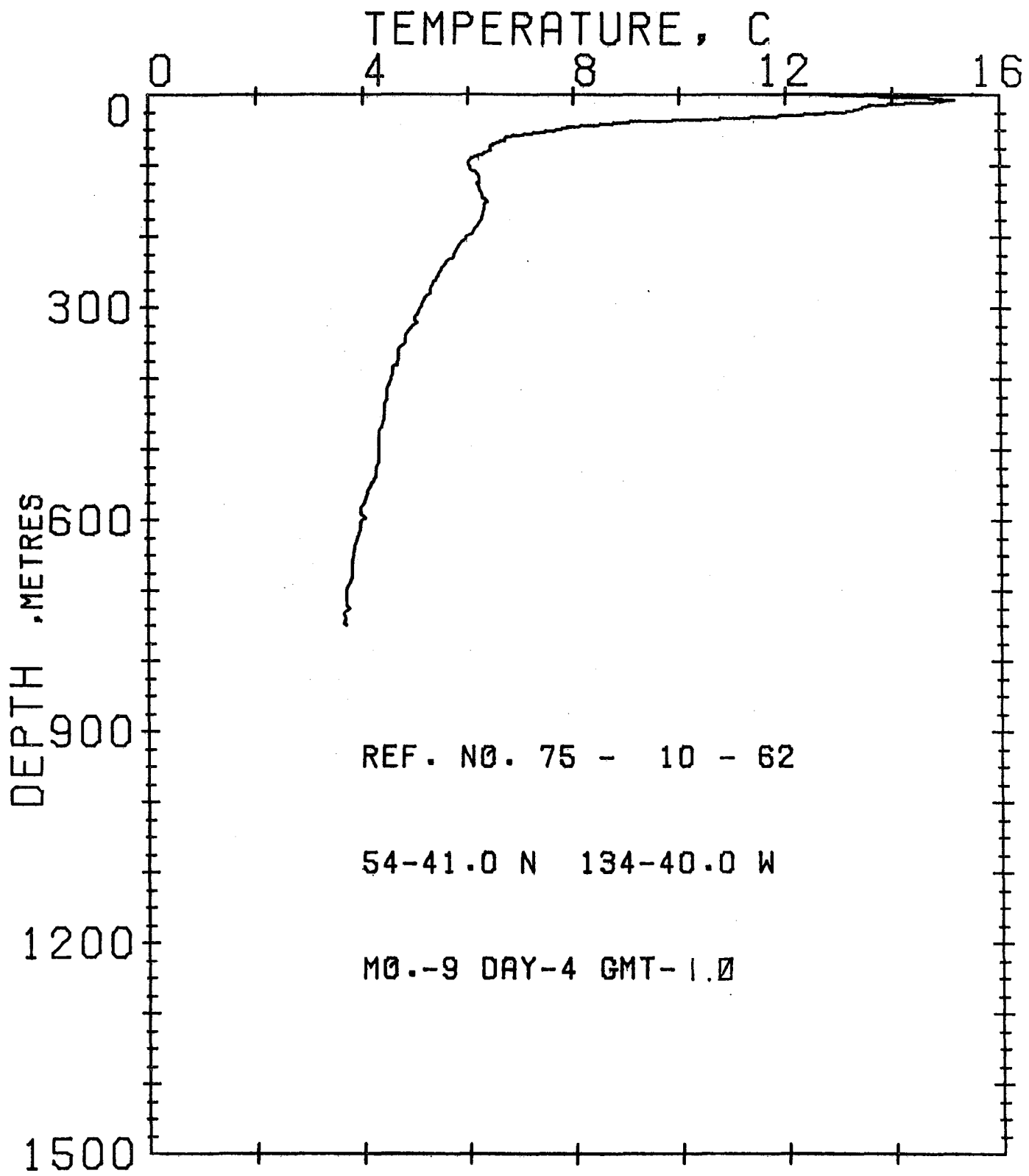
OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 61 DATE 3/ 9/75

POSITION 54-41.0N 135-40.0W GMT 21.7

RESULTS OF XBT CAST 167 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 12.34 | 139 | 4.96 | 352 | 4.07 |
| 4 | 12.24 | 141 | 5.01 | 354 | 4.02 |
| 7 | 12.19 | 146 | 5.07 | 357 | 4.02 |
| 9 | 12.19 | 149 | 5.07 | 360 | 4.02 |
| 11 | 12.14 | 151 | 5.12 | 367 | 3.96 |
| 13 | 12.19 | 154 | 5.12 | 370 | 3.96 |
| 15 | 12.14 | 156 | 5.12 | 375 | 3.96 |
| 18 | 12.14 | 160 | 5.12 | 379 | 3.91 |
| 21 | 12.14 | 162 | 5.12 | 382 | 3.91 |
| 23 | 12.14 | 167 | 5.12 | 386 | 3.91 |
| 25 | 12.09 | 170 | 5.12 | 388 | 3.85 |
| 26 | 11.88 | 174 | 5.07 | 394 | 3.85 |
| 27 | 11.57 | 178 | 5.01 | 399 | 3.80 |
| 28 | 11.11 | 184 | 4.96 | 404 | 3.80 |
| 29 | 10.70 | 189 | 4.96 | 413 | 3.80 |
| 30 | 10.02 | 194 | 4.96 | 417 | 3.85 |
| 31 | 9.86 | 197 | 4.90 | 421 | 3.85 |
| 32 | 9.76 | 203 | 4.90 | 434 | 3.85 |
| 33 | 9.45 | 208 | 4.85 | 451 | 3.80 |
| 34 | 8.87 | 212 | 4.85 | 461 | 3.68 |
| 36 | 8.40 | 217 | 4.85 | 471 | 3.74 |
| 37 | 8.13 | 221 | 4.85 | 475 | 3.68 |
| 38 | 7.87 | 224 | 4.85 | 482 | 3.74 |
| 40 | 7.44 | 226 | 4.79 | 489 | 3.74 |
| 41 | 7.18 | 230 | 4.79 | 493 | 3.74 |
| 42 | 7.07 | 232 | 4.74 | 504 | 3.74 |
| 43 | 6.96 | 236 | 4.68 | 513 | 3.68 |
| 44 | 6.80 | 242 | 4.63 | 518 | 3.68 |
| 45 | 6.64 | 244 | 4.57 | 523 | 3.63 |
| 46 | 6.10 | 246 | 4.57 | 525 | 3.63 |
| 47 | 5.99 | 250 | 4.52 | 532 | 3.68 |
| 48 | 5.94 | 254 | 4.46 | 538 | 3.63 |
| 49 | 5.88 | 256 | 4.41 | 545 | 3.63 |
| 52 | 5.83 | 258 | 4.41 | 552 | 3.68 |
| 54 | 5.67 | 261 | 4.41 | 556 | 3.63 |
| 56 | 5.56 | 263 | 4.35 | 561 | 3.57 |
| 59 | 5.39 | 267 | 4.35 | 565 | 3.63 |
| 62 | 5.23 | 272 | 4.35 | 569 | 3.57 |
| 65 | 5.12 | 276 | 4.30 | 571 | 3.57 |
| 71 | 4.96 | 280 | 4.30 | 574 | 3.52 |
| 74 | 4.90 | 286 | 4.30 | 580 | 3.52 |
| 78 | 4.79 | 287 | 4.30 | 584 | 3.52 |
| 85 | 4.74 | 290 | 4.24 | 587 | 3.52 |
| 90 | 4.63 | 291 | 4.24 | 602 | 3.52 |
| 94 | 4.57 | 294 | 4.24 | 615 | 3.52 |
| 99 | 4.52 | 298 | 4.24 | 631 | 3.46 |
| 102 | 4.52 | 301 | 4.24 | 647 | 3.41 |
| 107 | 4.52 | 306 | 4.24 | 665 | 3.41 |
| 113 | 4.57 | 311 | 4.18 | 687 | 3.35 |
| 117 | 4.68 | 318 | 4.18 | 703 | 3.29 |
| 121 | 4.74 | 322 | 4.18 | 719 | 3.29 |
| 124 | 4.74 | 325 | 4.18 | 734 | 3.29 |
| 129 | 4.85 | 329 | 4.18 | 742 | 3.18 |
| 131 | 4.85 | 333 | 4.18 | 747 | 3.24 |
| 134 | 4.90 | 339 | 4.13 | 748 | 3.18 |
| 137 | 4.96 | 346 | 4.07 | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 62

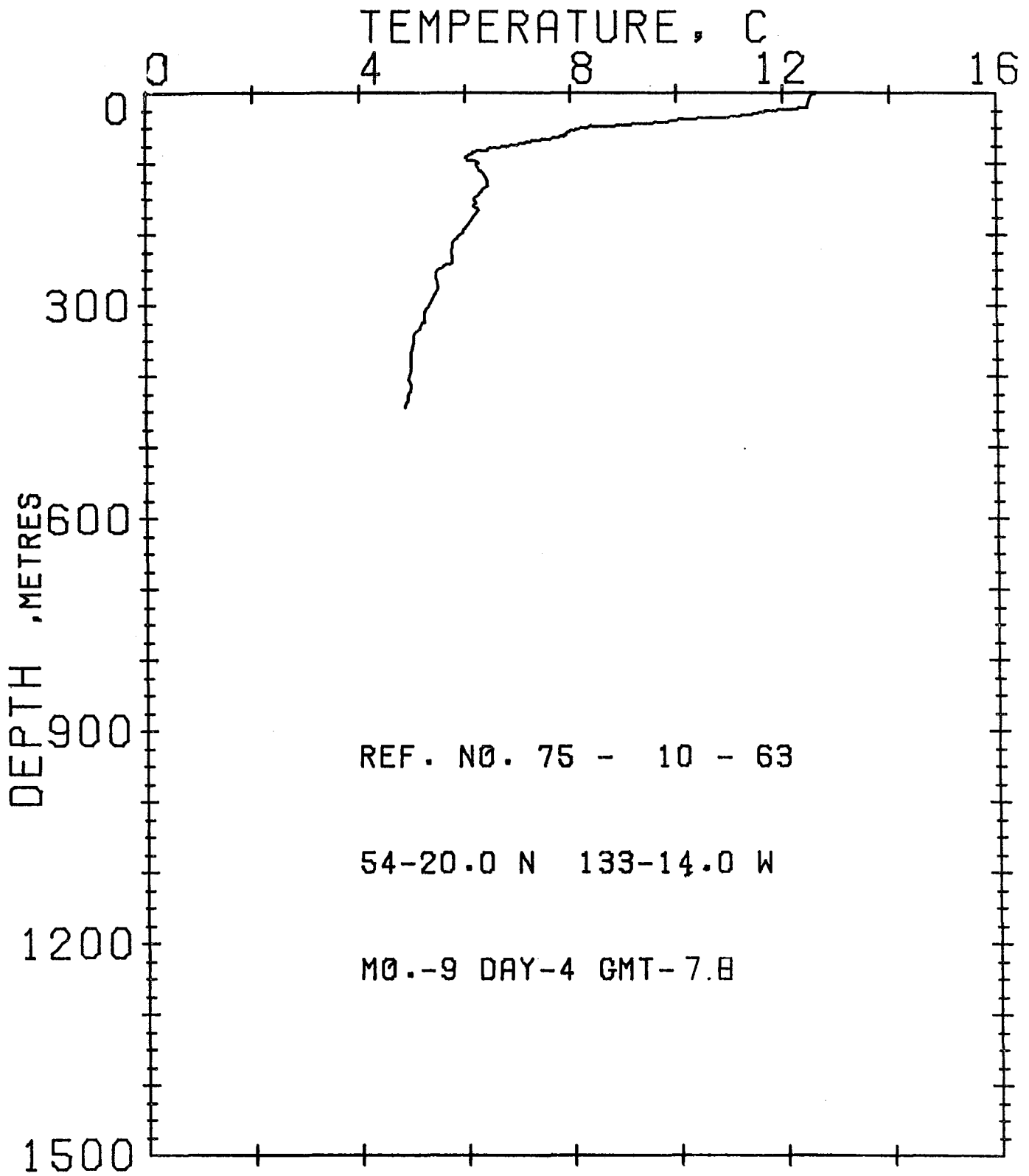
DATE 4/ 9/75

POSITION 54-41.0N 134-40.0W

GMT 1.0

RESULTS OF XBT CAST 116 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 12.75 | 117 | 6.21 | 408 | 4.52 |
| 2 | 12.86 | 123 | 6.21 | 415 | 4.46 |
| 4 | 14.64 | 126 | 6.15 | 422 | 4.46 |
| 6 | 14.69 | 131 | 6.21 | 429 | 4.46 |
| 7 | 15.15 | 136 | 6.21 | 435 | 4.41 |
| 8 | 15.10 | 142 | 6.26 | 442 | 4.41 |
| 10 | 14.89 | 145 | 6.26 | 448 | 4.41 |
| 11 | 14.74 | 146 | 6.26 | 459 | 4.41 |
| 12 | 14.38 | 148 | 6.32 | 470 | 4.35 |
| 14 | 14.08 | 151 | 6.37 | 473 | 4.30 |
| 16 | 13.77 | 156 | 6.32 | 484 | 4.30 |
| 17 | 13.57 | 163 | 6.32 | 498 | 4.30 |
| 20 | 13.42 | 175 | 6.26 | 510 | 4.30 |
| 25 | 13.11 | 194 | 6.10 | 518 | 4.30 |
| 27 | 12.91 | 204 | 5.94 | 528 | 4.24 |
| 29 | 12.55 | 212 | 5.83 | 540 | 4.24 |
| 33 | 11.62 | 222 | 5.77 | 546 | 4.18 |
| 35 | 10.44 | 227 | 5.72 | 552 | 4.13 |
| 38 | 9.24 | 237 | 5.56 | 561 | 4.07 |
| 41 | 8.61 | 247 | 5.50 | 565 | 4.07 |
| 45 | 8.40 | 255 | 5.45 | 577 | 4.02 |
| 46 | 7.92 | 261 | 5.39 | 584 | 3.96 |
| 50 | 7.76 | 267 | 5.34 | 592 | 3.96 |
| 52 | 7.65 | 276 | 5.28 | 597 | 4.02 |
| 53 | 7.34 | 280 | 5.28 | 604 | 3.96 |
| 57 | 6.96 | 289 | 5.18 | 612 | 3.96 |
| 61 | 6.75 | 298 | 5.12 | 620 | 3.91 |
| 66 | 6.69 | 307 | 5.07 | 638 | 3.85 |
| 69 | 6.59 | 318 | 4.96 | 662 | 3.80 |
| 72 | 6.48 | 323 | 5.01 | 683 | 3.80 |
| 74 | 6.42 | 330 | 4.90 | 697 | 3.66 |
| 80 | 6.42 | 340 | 4.79 | 712 | 3.66 |
| 84 | 6.32 | 349 | 4.79 | 722 | 3.66 |
| 88 | 6.15 | 360 | 4.68 | 726 | 3.74 |
| 92 | 6.05 | 368 | 4.63 | 734 | 3.63 |
| 96 | 5.99 | 373 | 4.68 | 742 | 3.66 |
| 100 | 5.99 | 381 | 4.63 | 747 | 3.63 |
| 107 | 6.05 | 383 | 4.57 | 749 | 3.66 |
| 113 | 6.15 | 395 | 4.57 | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 63

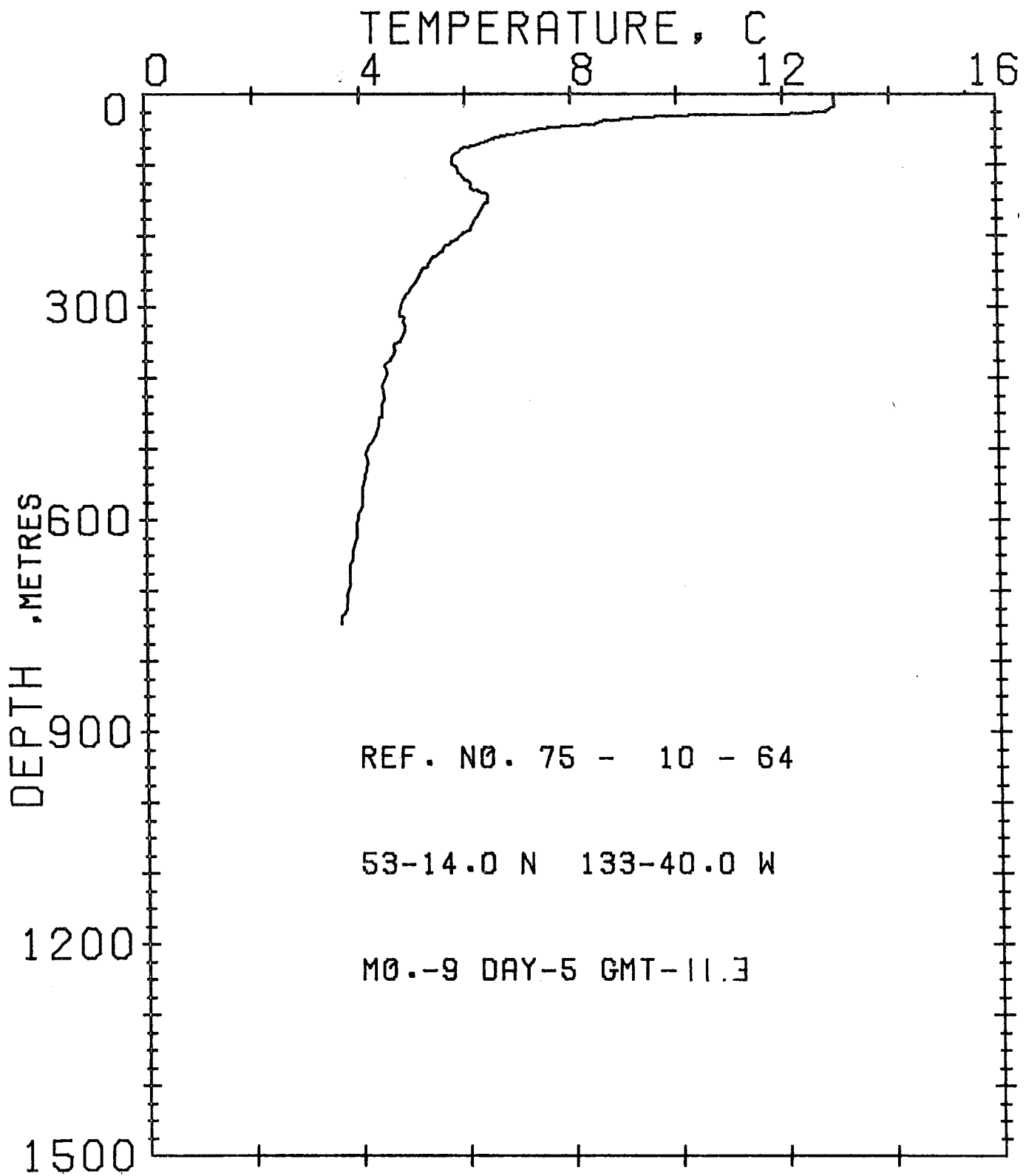
DATE 4/ 9/75

POSITION 54-20.0N 133-14.0W

GMT 7.8

RESULTS OF XBT CAST 79 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 12.65 | 81 | 6.42 | 224 | 5.72 |
| 2 | 12.60 | 83 | 6.32 | 232 | 5.77 |
| 4 | 12.55 | 84 | 6.15 | 236 | 5.77 |
| 10 | 12.50 | 87 | 6.15 | 241 | 5.77 |
| 21 | 12.45 | 93 | 5.99 | 243 | 5.61 |
| 24 | 12.14 | 95 | 6.05 | 253 | 5.45 |
| 27 | 11.68 | 96 | 6.15 | 261 | 5.45 |
| 31 | 11.52 | 99 | 6.26 | 275 | 5.50 |
| 35 | 10.90 | 102 | 6.21 | 285 | 5.45 |
| 36 | 10.64 | 109 | 6.26 | 298 | 5.34 |
| 38 | 10.13 | 113 | 6.32 | 309 | 5.23 |
| 42 | 9.81 | 117 | 6.37 | 324 | 5.23 |
| 45 | 9.39 | 123 | 6.42 | 326 | 5.18 |
| 47 | 8.98 | 132 | 6.42 | 333 | 5.12 |
| 48 | 8.77 | 140 | 6.32 | 342 | 5.01 |
| 49 | 8.45 | 144 | 6.26 | 354 | 5.01 |
| 52 | 8.13 | 152 | 6.15 | 369 | 4.96 |
| 56 | 7.97 | 157 | 6.21 | 382 | 4.96 |
| 59 | 7.92 | 160 | 6.15 | 395 | 4.96 |
| 62 | 7.87 | 166 | 6.26 | 405 | 4.90 |
| 66 | 7.60 | 176 | 6.15 | 412 | 4.96 |
| 68 | 7.34 | 192 | 5.99 | 422 | 4.96 |
| 72 | 7.12 | 199 | 5.94 | 427 | 4.90 |
| 74 | 6.96 | 207 | 5.83 | 435 | 4.90 |
| 76 | 6.80 | 213 | 5.77 | 441 | 4.85 |
| 77 | 6.59 | 217 | 5.77 | 445 | 4.85 |
| 79 | 6.48 | | | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 84

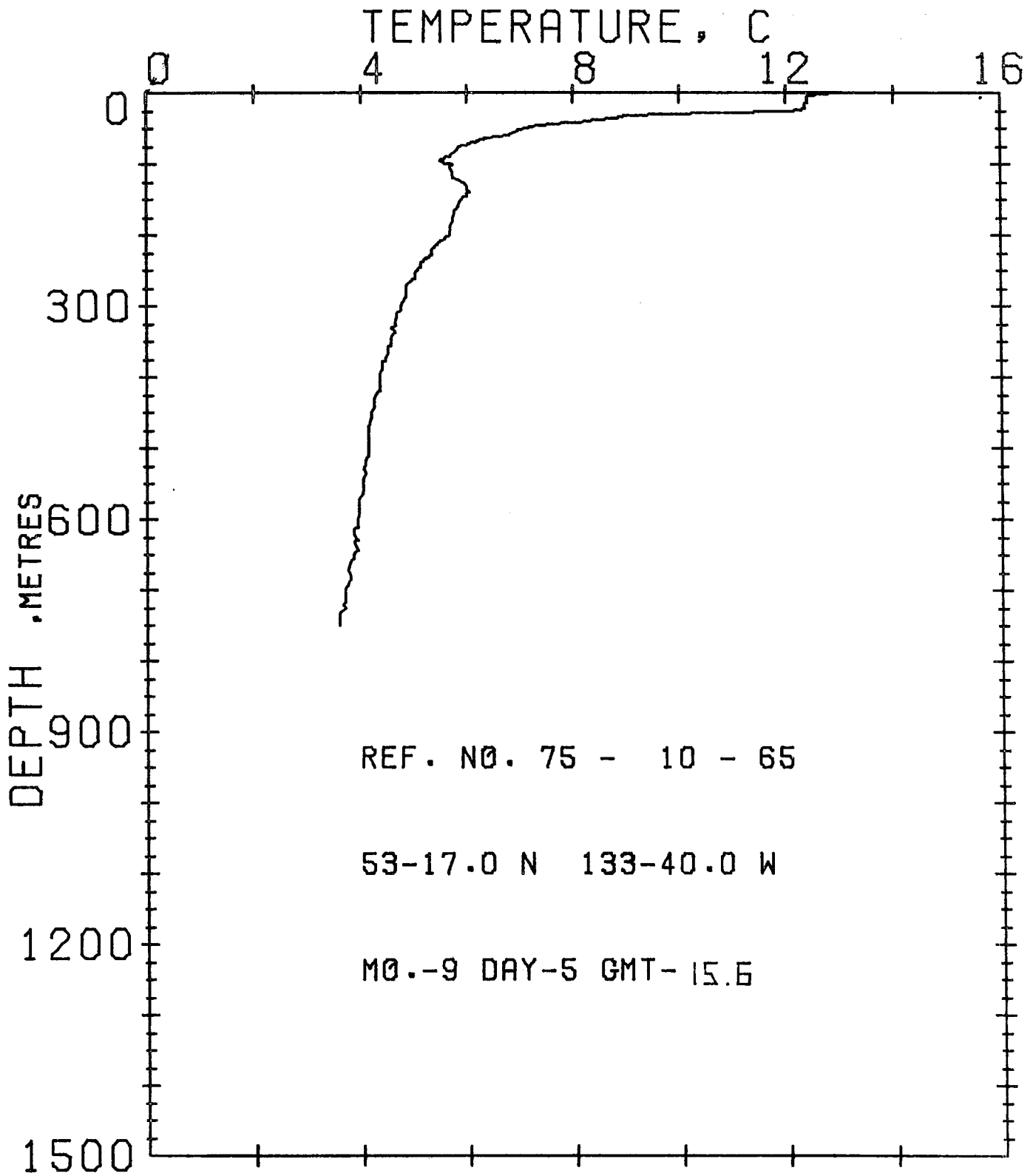
DATE 5/ 9/75

POSITION 53-14.0N 133-40.0W

GMT 11.3

RESULTS OF XBT CAST 94 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 2 | 12.96 | 183 | 6.15 | 397 | 4.52 |
| 10 | 12.96 | 192 | 6.10 | 411 | 4.41 |
| 19 | 12.96 | 198 | 5.94 | 431 | 4.46 |
| 25 | 12.80 | 205 | 5.83 | 437 | 4.41 |
| 30 | 11.93 | 210 | 5.72 | 456 | 4.41 |
| 31 | 10.54 | 218 | 5.61 | 459 | 4.35 |
| 34 | 9.29 | 221 | 5.56 | 466 | 4.35 |
| 35 | 9.05 | 231 | 5.39 | 468 | 4.35 |
| 37 | 8.82 | 238 | 5.34 | 479 | 4.30 |
| 38 | 8.66 | 244 | 5.28 | 487 | 4.24 |
| 44 | 8.45 | 249 | 5.18 | 501 | 4.13 |
| 47 | 7.97 | 258 | 5.12 | 508 | 4.07 |
| 50 | 7.44 | 266 | 5.07 | 521 | 4.15 |
| 54 | 7.18 | 276 | 4.96 | 540 | 4.07 |
| 58 | 6.91 | 287 | 4.85 | 558 | 4.02 |
| 61 | 6.69 | 295 | 4.79 | 580 | 4.02 |
| 65 | 6.53 | 308 | 4.74 | 593 | 3.96 |
| 71 | 6.26 | 314 | 4.74 | 611 | 3.91 |
| 78 | 5.94 | 317 | 4.85 | 625 | 3.91 |
| 90 | 5.77 | 322 | 4.79 | 643 | 3.85 |
| 99 | 5.77 | 328 | 4.85 | 658 | 3.85 |
| 104 | 5.63 | 336 | 4.85 | 665 | 3.80 |
| 113 | 5.88 | 349 | 4.74 | 677 | 3.80 |
| 117 | 5.94 | 354 | 4.63 | 694 | 3.80 |
| 122 | 5.99 | 359 | 4.63 | 707 | 3.74 |
| 125 | 6.10 | 362 | 4.68 | 717 | 3.74 |
| 134 | 6.10 | 365 | 4.63 | 725 | 3.74 |
| 138 | 6.26 | 369 | 4.63 | 734 | 3.68 |
| 142 | 6.42 | 375 | 4.57 | 739 | 3.63 |
| 153 | 6.42 | 385 | 4.46 | 745 | 3.65 |
| 157 | 6.37 | 392 | 4.52 | 747 | 3.63 |
| 171 | 6.26 | | | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75-10-65

DATE 5/9/75

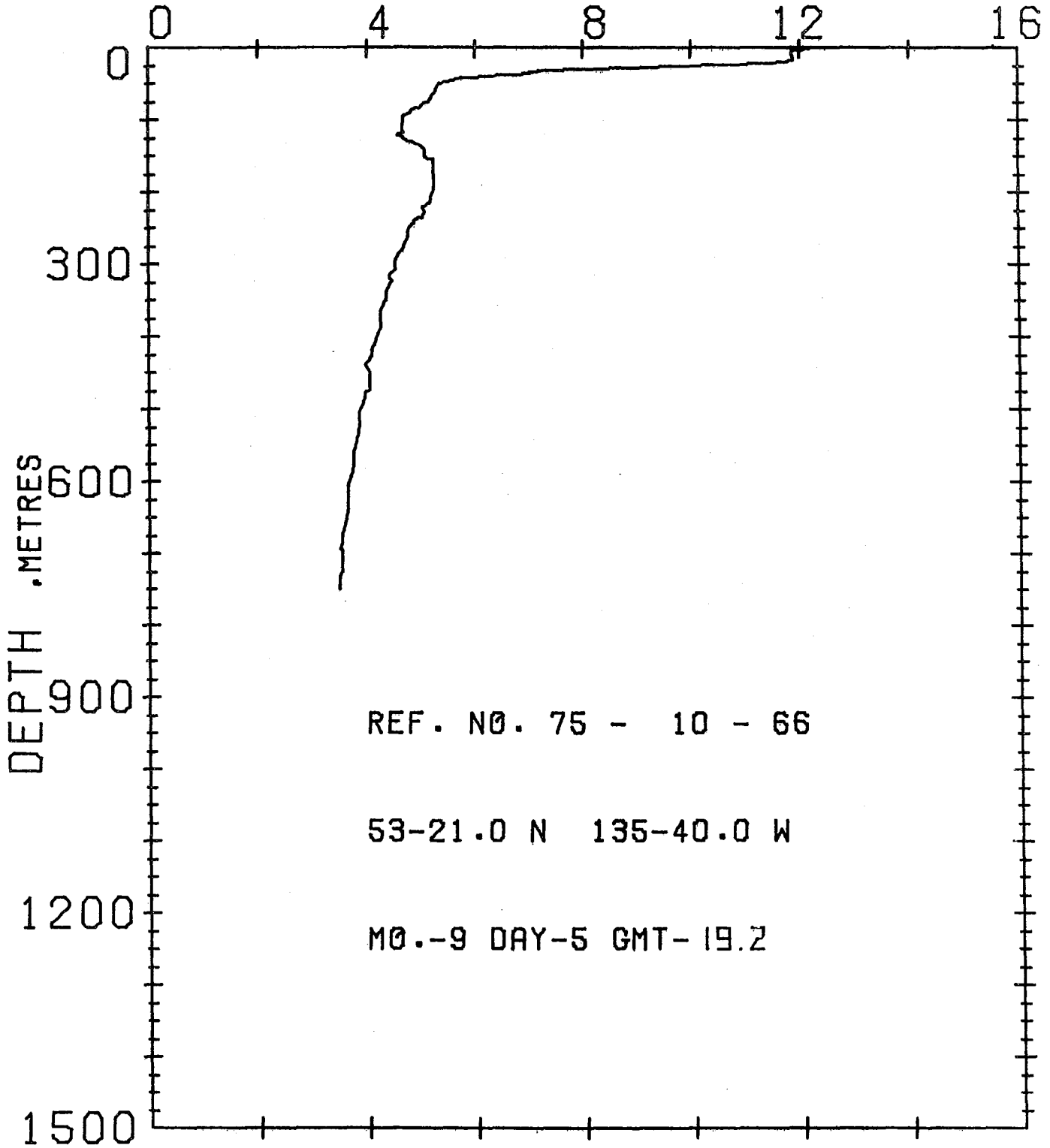
POSITION 53-17.0N 133-40.0W

GMT 15.6

RESULTS OF XBT CAST 170 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 12.80 | 139 | 6.05 | 391 | 4.41 |
| 2 | 12.65 | 142 | 5.99 | 396 | 4.35 |
| 3 | 12.50 | 143 | 5.99 | 401 | 4.35 |
| 5 | 12.45 | 145 | 5.99 | 406 | 4.35 |
| 6 | 12.40 | 147 | 5.94 | 409 | 4.35 |
| 9 | 12.40 | 153 | 5.88 | 413 | 4.35 |
| 12 | 12.40 | 160 | 5.83 | 421 | 4.35 |
| 13 | 12.40 | 168 | 5.77 | 424 | 4.30 |
| 16 | 12.34 | 180 | 5.72 | 429 | 4.24 |
| 19 | 12.34 | 191 | 5.67 | 435 | 4.24 |
| 21 | 12.34 | 196 | 5.67 | 441 | 4.24 |
| 25 | 12.14 | 200 | 5.67 | 450 | 4.18 |
| 27 | 11.62 | 204 | 5.61 | 459 | 4.18 |
| 28 | 11.21 | 207 | 5.56 | 472 | 4.13 |
| 29 | 10.59 | 210 | 5.50 | 483 | 4.13 |
| 30 | 9.86 | 214 | 5.45 | 493 | 4.13 |
| 31 | 9.66 | 219 | 5.39 | 501 | 4.13 |
| 32 | 9.19 | 223 | 5.34 | 507 | 4.13 |
| 33 | 8.98 | 226 | 5.34 | 513 | 4.13 |
| 35 | 8.82 | 228 | 5.34 | 518 | 4.07 |
| 38 | 8.45 | 232 | 5.28 | 524 | 4.07 |
| 41 | 8.13 | 235 | 5.23 | 530 | 4.02 |
| 42 | 7.92 | 238 | 5.18 | 536 | 4.07 |
| 46 | 7.39 | 241 | 5.12 | 544 | 4.02 |
| 48 | 7.23 | 244 | 5.12 | 549 | 4.02 |
| 50 | 7.18 | 247 | 5.12 | 557 | 4.02 |
| 52 | 7.01 | 250 | 5.07 | 565 | 4.02 |
| 54 | 6.96 | 254 | 5.01 | 572 | 3.96 |
| 59 | 6.80 | 261 | 5.01 | 579 | 3.96 |
| 62 | 6.59 | 264 | 4.96 | 590 | 3.96 |
| 65 | 6.37 | 271 | 4.85 | 604 | 3.91 |
| 66 | 6.32 | 278 | 4.85 | 612 | 3.91 |
| 68 | 6.21 | 282 | 4.85 | 615 | 3.85 |
| 71 | 6.05 | 287 | 4.85 | 622 | 3.85 |
| 73 | 6.05 | 293 | 4.79 | 629 | 3.91 |
| 75 | 5.88 | 301 | 4.74 | 632 | 3.85 |
| 79 | 5.83 | 307 | 4.74 | 644 | 3.91 |
| 90 | 5.67 | 310 | 4.68 | 649 | 3.85 |
| 91 | 5.67 | 316 | 4.68 | 655 | 3.85 |
| 92 | 5.56 | 320 | 4.63 | 660 | 3.80 |
| 95 | 5.50 | 325 | 4.63 | 672 | 3.74 |
| 97 | 5.50 | 327 | 4.63 | 679 | 3.80 |
| 99 | 5.56 | 332 | 4.57 | 684 | 3.80 |
| 100 | 5.67 | 337 | 4.63 | 693 | 3.74 |
| 102 | 5.72 | 343 | 4.57 | 698 | 3.68 |
| 104 | 5.67 | 346 | 4.57 | 705 | 3.68 |
| 108 | 5.67 | 352 | 4.57 | 709 | 3.68 |
| 112 | 5.72 | 355 | 4.57 | 714 | 3.68 |
| 114 | 5.72 | 356 | 4.57 | 717 | 3.68 |
| 117 | 5.72 | 358 | 4.52 | 722 | 3.63 |
| 119 | 5.72 | 362 | 4.52 | 727 | 3.68 |
| 121 | 5.72 | 367 | 4.52 | 734 | 3.57 |
| 123 | 5.83 | 375 | 4.46 | 738 | 3.57 |
| 124 | 5.86 | 377 | 4.46 | 742 | 3.57 |
| 128 | 5.94 | 379 | 4.41 | 747 | 3.57 |
| 131 | 5.99 | 382 | 4.41 | 749 | 3.57 |
| 137 | 5.99 | 385 | 4.41 | | |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 06

DATE 5/ 9/75

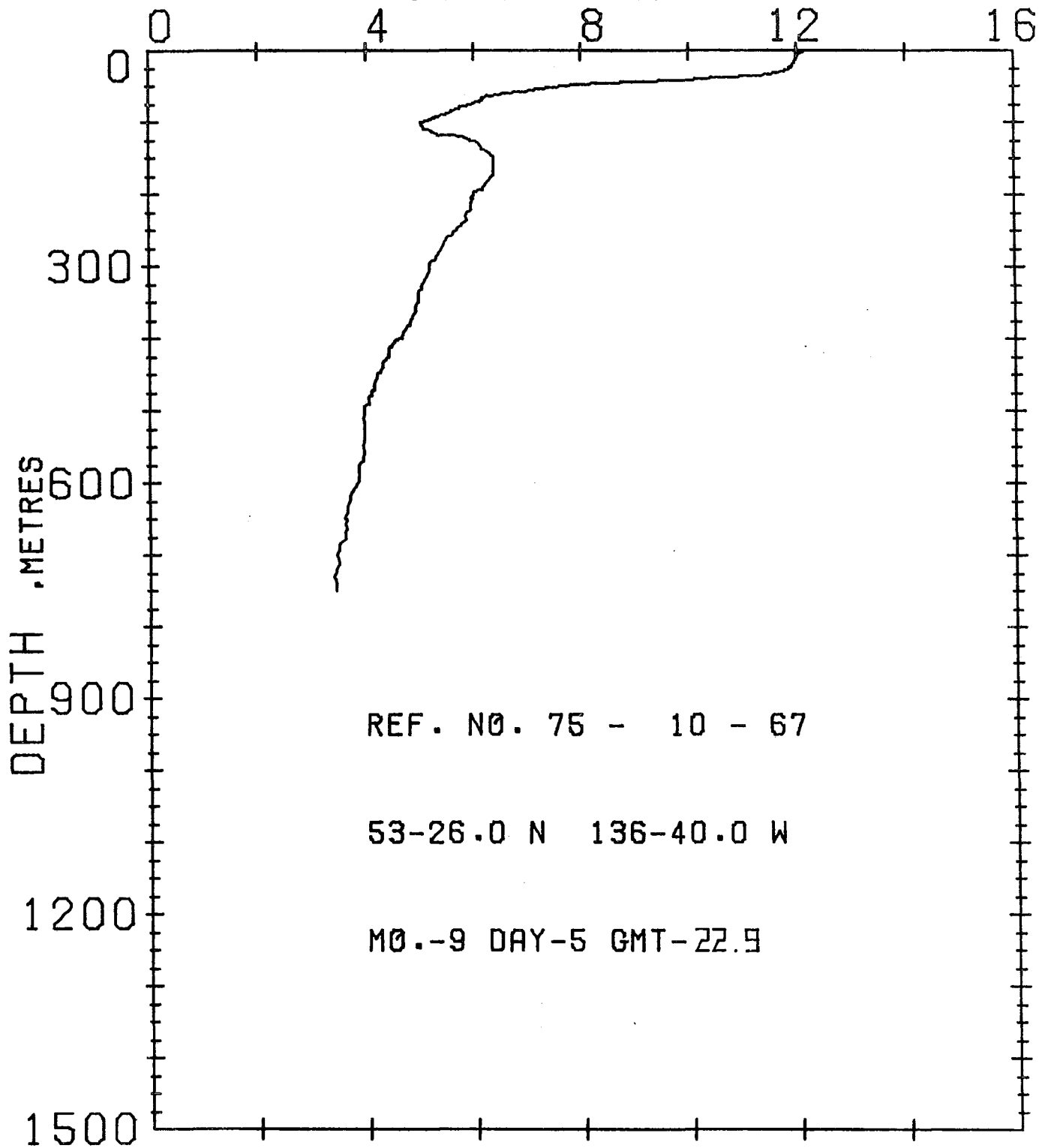
POSITION 53-21.0N 135-40.0W

GMT 19.2

RESULTS OF XBT CAST 113 POINTS TAKEN FROM ANALOG TRACE

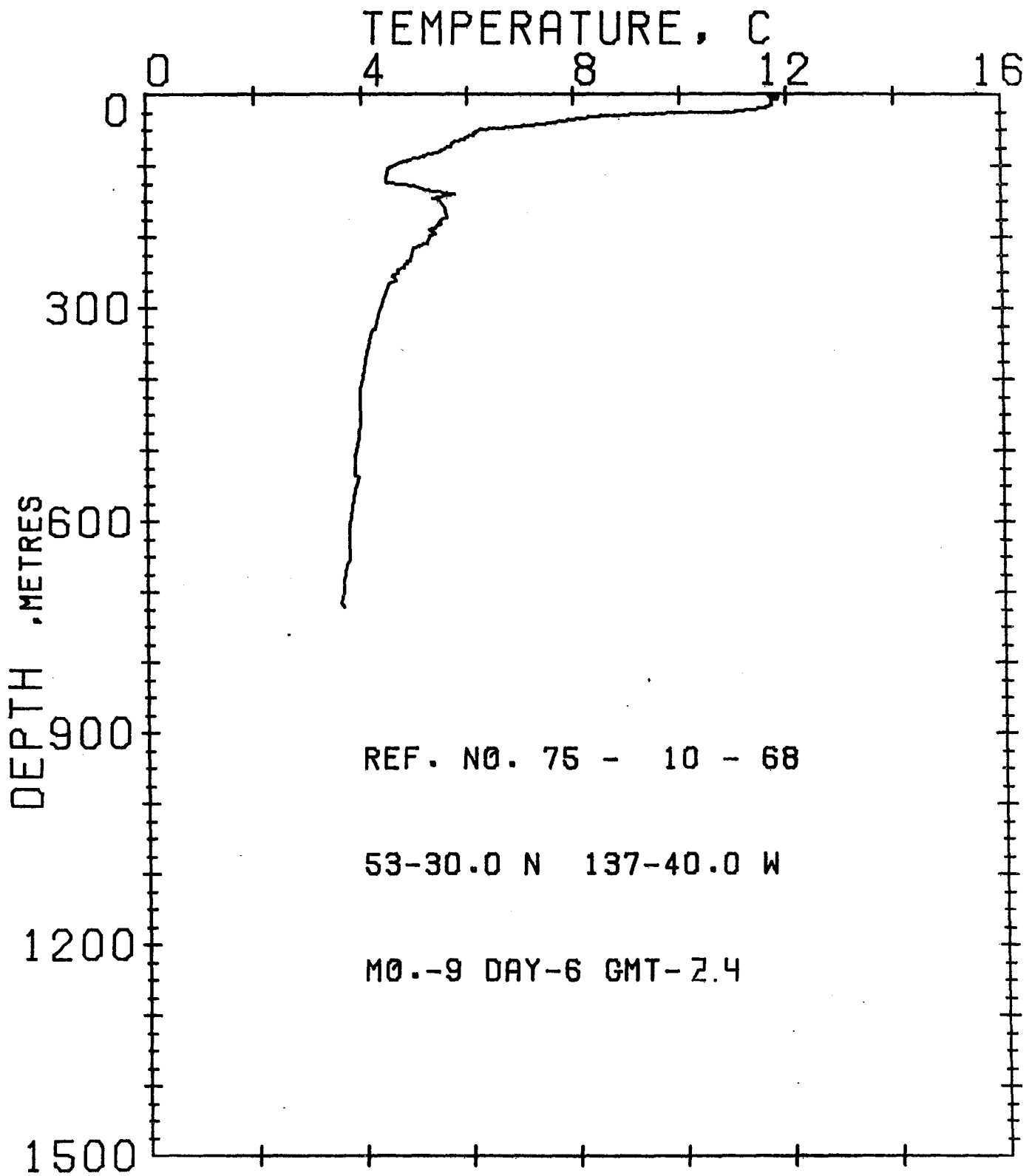
| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 12.19 | 133 | 4.85 | 380 | 4.24 |
| 3 | 12.04 | 137 | 5.01 | 387 | 4.24 |
| 5 | 11.88 | 142 | 5.07 | 396 | 4.10 |
| 8 | 11.83 | 147 | 5.07 | 412 | 4.10 |
| 11 | 11.88 | 151 | 5.07 | 419 | 4.07 |
| 14 | 11.88 | 153 | 5.12 | 428 | 4.07 |
| 16 | 11.88 | 154 | 5.23 | 440 | 3.96 |
| 18 | 11.88 | 159 | 5.23 | 447 | 4.02 |
| 22 | 11.47 | 167 | 5.23 | 455 | 4.02 |
| 24 | 10.59 | 174 | 5.23 | 460 | 4.02 |
| 29 | 9.03 | 183 | 5.23 | 465 | 4.02 |
| 30 | 8.03 | 193 | 5.23 | 474 | 4.02 |
| 33 | 7.34 | 199 | 5.23 | 478 | 3.96 |
| 34 | 7.01 | 205 | 5.18 | 485 | 3.96 |
| 36 | 7.01 | 214 | 5.18 | 492 | 3.91 |
| 37 | 6.75 | 221 | 5.01 | 504 | 3.85 |
| 38 | 6.53 | 228 | 5.07 | 522 | 3.85 |
| 39 | 6.26 | 236 | 5.01 | 545 | 3.80 |
| 41 | 5.88 | 239 | 4.90 | 561 | 3.74 |
| 42 | 5.72 | 244 | 4.85 | 578 | 3.74 |
| 46 | 5.61 | 248 | 4.79 | 594 | 3.68 |
| 51 | 5.34 | 253 | 4.74 | 607 | 3.63 |
| 60 | 5.23 | 261 | 4.74 | 618 | 3.63 |
| 72 | 5.18 | 275 | 4.68 | 630 | 3.63 |
| 81 | 5.01 | 282 | 4.63 | 642 | 3.63 |
| 86 | 4.85 | 288 | 4.57 | 658 | 3.57 |
| 89 | 4.79 | 297 | 4.52 | 673 | 3.52 |
| 95 | 4.68 | 308 | 4.52 | 687 | 3.52 |
| 100 | 4.68 | 315 | 4.41 | 693 | 3.46 |
| 104 | 4.68 | 320 | 4.41 | 696 | 3.52 |
| 109 | 4.63 | 324 | 4.46 | 707 | 3.52 |
| 111 | 4.63 | 330 | 4.41 | 720 | 3.52 |
| 115 | 4.63 | 338 | 4.35 | 727 | 3.52 |
| 119 | 4.68 | 343 | 4.35 | 733 | 3.46 |
| 122 | 4.57 | 350 | 4.35 | 741 | 3.46 |
| 124 | 4.63 | 357 | 4.30 | 746 | 3.46 |
| 127 | 4.66 | 366 | 4.24 | 749 | 3.46 |
| 130 | 4.74 | 370 | 4.24 | | |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY
 REFERENCE NO. 75-10-67 DATE 5/ 9/75
 POSITION 53-26.0N 136-40.0W GMT 22.9
 RESULTS OF XBT CAST 166 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 12.14 | 132 | 6.10 | 421 | 4.41 |
| 4 | 12.09 | 138 | 6.15 | 425 | 4.41 |
| 9 | 12.04 | 142 | 6.26 | 430 | 4.35 |
| 15 | 11.98 | 146 | 6.32 | 434 | 4.30 |
| 19 | 11.98 | 149 | 6.37 | 440 | 4.30 |
| 24 | 11.93 | 155 | 6.37 | 447 | 4.24 |
| 27 | 11.88 | 163 | 6.37 | 449 | 4.18 |
| 30 | 11.78 | 168 | 6.37 | 455 | 4.18 |
| 33 | 11.62 | 174 | 6.37 | 461 | 4.13 |
| 35 | 11.32 | 178 | 6.32 | 467 | 4.13 |
| 36 | 11.11 | 188 | 6.21 | 472 | 4.13 |
| 37 | 10.80 | 194 | 6.15 | 474 | 4.07 |
| 38 | 10.59 | 197 | 6.05 | 479 | 4.07 |
| 40 | 10.23 | 198 | 5.99 | 483 | 4.02 |
| 41 | 9.97 | 202 | 5.99 | 486 | 4.02 |
| 43 | 9.66 | 205 | 5.94 | 488 | 4.02 |
| 44 | 9.29 | 207 | 5.99 | 491 | 4.02 |
| 45 | 9.03 | 211 | 5.94 | 495 | 3.96 |
| 46 | 8.45 | 216 | 5.94 | 497 | 3.96 |
| 47 | 8.29 | 221 | 5.94 | 503 | 3.96 |
| 48 | 8.13 | 226 | 5.88 | 505 | 3.96 |
| 49 | 7.92 | 232 | 5.83 | 510 | 3.91 |
| 52 | 7.50 | 236 | 5.88 | 518 | 3.96 |
| 55 | 7.23 | 244 | 5.77 | 524 | 3.96 |
| 56 | 7.12 | 250 | 5.67 | 529 | 3.96 |
| 57 | 6.96 | 257 | 5.61 | 535 | 3.96 |
| 58 | 6.91 | 262 | 5.50 | 543 | 3.96 |
| 61 | 6.59 | 270 | 5.45 | 550 | 3.91 |
| 63 | 6.32 | 277 | 5.39 | 560 | 3.96 |
| 66 | 6.15 | 284 | 5.34 | 565 | 3.91 |
| 68 | 6.15 | 291 | 5.28 | 570 | 3.91 |
| 70 | 6.15 | 297 | 5.18 | 577 | 3.85 |
| 72 | 6.10 | 303 | 5.18 | 586 | 3.85 |
| 74 | 5.99 | 307 | 5.18 | 597 | 3.85 |
| 77 | 5.88 | 314 | 5.12 | 606 | 3.80 |
| 79 | 5.77 | 321 | 5.07 | 611 | 3.74 |
| 82 | 5.72 | 327 | 5.01 | 619 | 3.68 |
| 84 | 5.61 | 331 | 5.01 | 624 | 3.68 |
| 86 | 5.61 | 336 | 4.96 | 631 | 3.63 |
| 87 | 5.56 | 340 | 4.96 | 640 | 3.63 |
| 90 | 5.50 | 344 | 4.96 | 649 | 3.57 |
| 93 | 5.34 | 349 | 4.96 | 653 | 3.63 |
| 94 | 5.28 | 355 | 4.90 | 658 | 3.57 |
| 99 | 5.07 | 360 | 4.90 | 665 | 3.63 |
| 100 | 5.01 | 363 | 4.90 | 670 | 3.57 |
| 104 | 5.01 | 371 | 4.85 | 678 | 3.57 |
| 109 | 5.07 | 377 | 4.79 | 685 | 3.46 |
| 111 | 5.12 | 381 | 4.79 | 693 | 3.46 |
| 114 | 5.23 | 385 | 4.74 | 701 | 3.41 |
| 117 | 5.34 | 392 | 4.68 | 713 | 3.46 |
| 118 | 5.45 | 399 | 4.63 | 722 | 3.41 |
| 119 | 5.56 | 402 | 4.57 | 732 | 3.35 |
| 121 | 5.72 | 406 | 4.52 | 738 | 3.41 |
| 122 | 5.83 | 411 | 4.46 | 744 | 3.41 |
| 125 | 5.94 | 415 | 4.41 | 749 | 3.41 |
| 128 | 6.05 | | | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 68

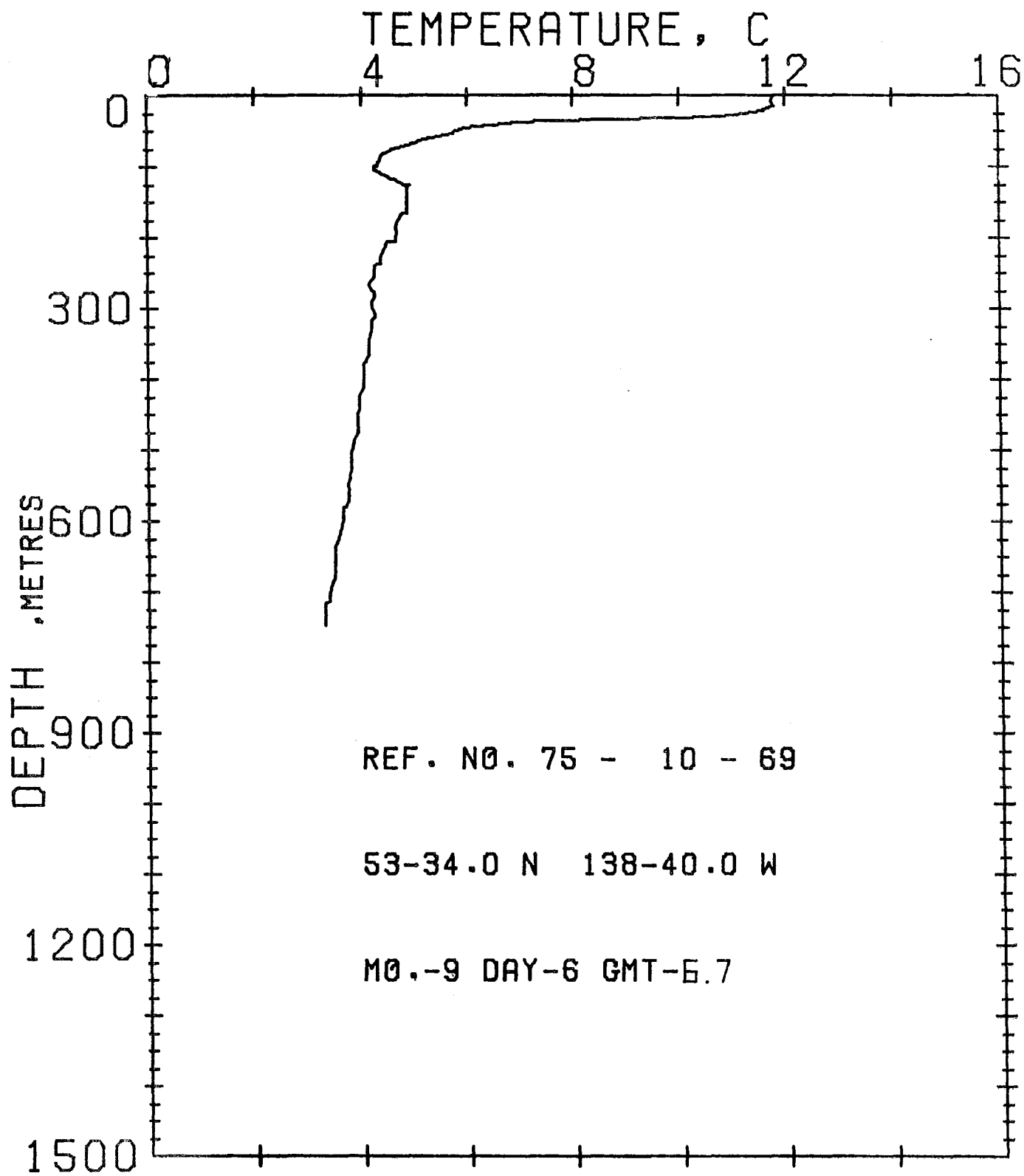
DATE 6/ 9/75

POSITION 53-30.0N 137-40.0W

GMT 2.4

RESULTS OF XBT CAST 103 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 11.68 | 119 | 4.46 | 235 | 4.85 |
| 3 | 11.68 | 123 | 4.46 | 238 | 4.85 |
| 5 | 11.88 | 124 | 4.52 | 241 | 4.79 |
| 8 | 11.83 | 127 | 4.74 | 243 | 4.79 |
| 9 | 11.73 | 128 | 4.96 | 247 | 4.68 |
| 16 | 11.73 | 135 | 5.18 | 252 | 4.60 |
| 20 | 11.62 | 137 | 5.61 | 257 | 4.57 |
| 21 | 11.32 | 139 | 5.61 | 262 | 4.63 |
| 24 | 11.16 | 140 | 5.77 | 265 | 4.52 |
| 26 | 10.90 | 145 | 5.34 | 291 | 4.41 |
| 27 | 10.02 | 146 | 5.39 | 313 | 4.30 |
| 29 | 9.50 | 148 | 5.45 | 330 | 4.24 |
| 31 | 8.61 | 151 | 5.50 | 332 | 4.18 |
| 34 | 8.13 | 160 | 5.56 | 362 | 4.07 |
| 40 | 7.65 | 161 | 5.56 | 388 | 4.02 |
| 41 | 7.39 | 162 | 5.56 | 416 | 3.96 |
| 44 | 7.23 | 164 | 5.56 | 440 | 3.96 |
| 50 | 6.26 | 166 | 5.56 | 459 | 3.96 |
| 51 | 6.26 | 167 | 5.61 | 484 | 3.91 |
| 53 | 6.15 | 170 | 5.61 | 508 | 3.85 |
| 58 | 6.10 | 173 | 5.61 | 535 | 3.85 |
| 60 | 5.99 | 175 | 5.50 | 538 | 3.91 |
| 65 | 5.94 | 178 | 5.50 | 555 | 3.85 |
| 66 | 5.83 | 181 | 5.45 | 582 | 3.80 |
| 69 | 5.72 | 183 | 5.50 | 606 | 3.74 |
| 74 | 5.67 | 187 | 5.39 | 641 | 3.74 |
| 76 | 5.56 | 191 | 5.28 | 654 | 3.74 |
| 80 | 5.56 | 195 | 5.39 | 665 | 3.66 |
| 84 | 5.34 | 200 | 5.28 | 685 | 3.63 |
| 87 | 5.18 | 209 | 5.23 | 697 | 3.63 |
| 88 | 5.13 | 211 | 5.12 | 700 | 3.63 |
| 92 | 4.96 | 214 | 5.07 | 716 | 3.57 |
| 94 | 4.85 | 219 | 4.96 | 719 | 3.57 |
| 95 | 4.74 | 234 | 4.90 | 722 | 3.63 |
| 104 | 4.52 | | | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75-10-89

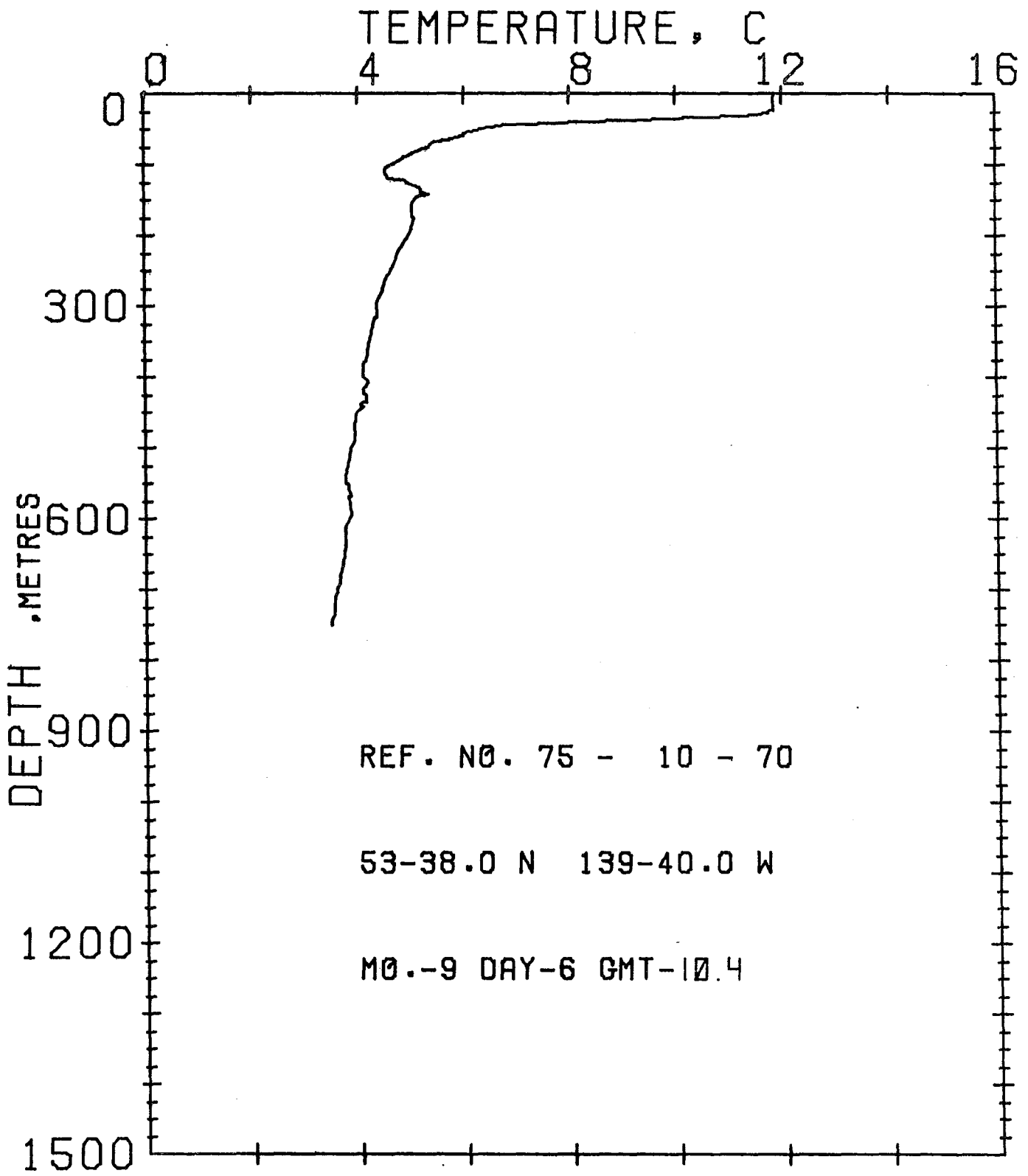
DATE 6/9/75

POSITION 53-34.0N 138-40.0W

GMT 6.7

RESULTS OF XBT CAST 95 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 11.78 | 129 | 4.85 | 376 | 4.07 |
| 8 | 11.73 | 144 | 4.85 | 380 | 4.02 |
| 16 | 11.78 | 151 | 4.85 | 393 | 4.02 |
| 18 | 11.68 | 159 | 4.85 | 411 | 4.02 |
| 22 | 11.57 | 165 | 4.85 | 424 | 3.96 |
| 26 | 11.26 | 167 | 4.74 | 439 | 3.96 |
| 30 | 10.75 | 182 | 4.68 | 456 | 3.91 |
| 32 | 9.81 | 184 | 4.63 | 474 | 3.91 |
| 36 | 7.60 | 189 | 4.63 | 489 | 3.85 |
| 38 | 6.96 | 192 | 4.68 | 506 | 3.80 |
| 41 | 6.48 | 200 | 4.63 | 517 | 3.80 |
| 44 | 6.15 | 206 | 4.63 | 528 | 3.80 |
| 49 | 5.83 | 207 | 4.52 | 550 | 3.74 |
| 53 | 5.72 | 213 | 4.46 | 572 | 3.74 |
| 56 | 5.61 | 222 | 4.41 | 579 | 3.66 |
| 59 | 5.34 | 228 | 4.35 | 580 | 3.63 |
| 61 | 5.26 | 237 | 4.35 | 597 | 3.63 |
| 64 | 5.12 | 240 | 4.24 | 619 | 3.57 |
| 66 | 5.07 | 255 | 4.24 | 632 | 3.52 |
| 70 | 4.90 | 269 | 4.13 | 638 | 3.46 |
| 74 | 4.68 | 275 | 4.18 | 648 | 3.46 |
| 78 | 4.57 | 279 | 4.24 | 659 | 3.46 |
| 84 | 4.41 | 285 | 4.24 | 671 | 3.46 |
| 91 | 4.35 | 294 | 4.18 | 682 | 3.46 |
| 99 | 4.30 | 300 | 4.18 | 687 | 3.41 |
| 101 | 4.24 | 308 | 4.24 | 705 | 3.35 |
| 106 | 4.24 | 311 | 4.24 | 714 | 3.35 |
| 110 | 4.35 | 314 | 4.24 | 718 | 3.29 |
| 116 | 4.52 | 318 | 4.13 | 730 | 3.29 |
| 121 | 4.68 | 332 | 4.18 | 741 | 3.29 |
| 125 | 4.79 | 347 | 4.13 | 747 | 3.29 |
| 127 | 4.90 | 365 | 4.13 | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 70

DATE 6/ 9/75

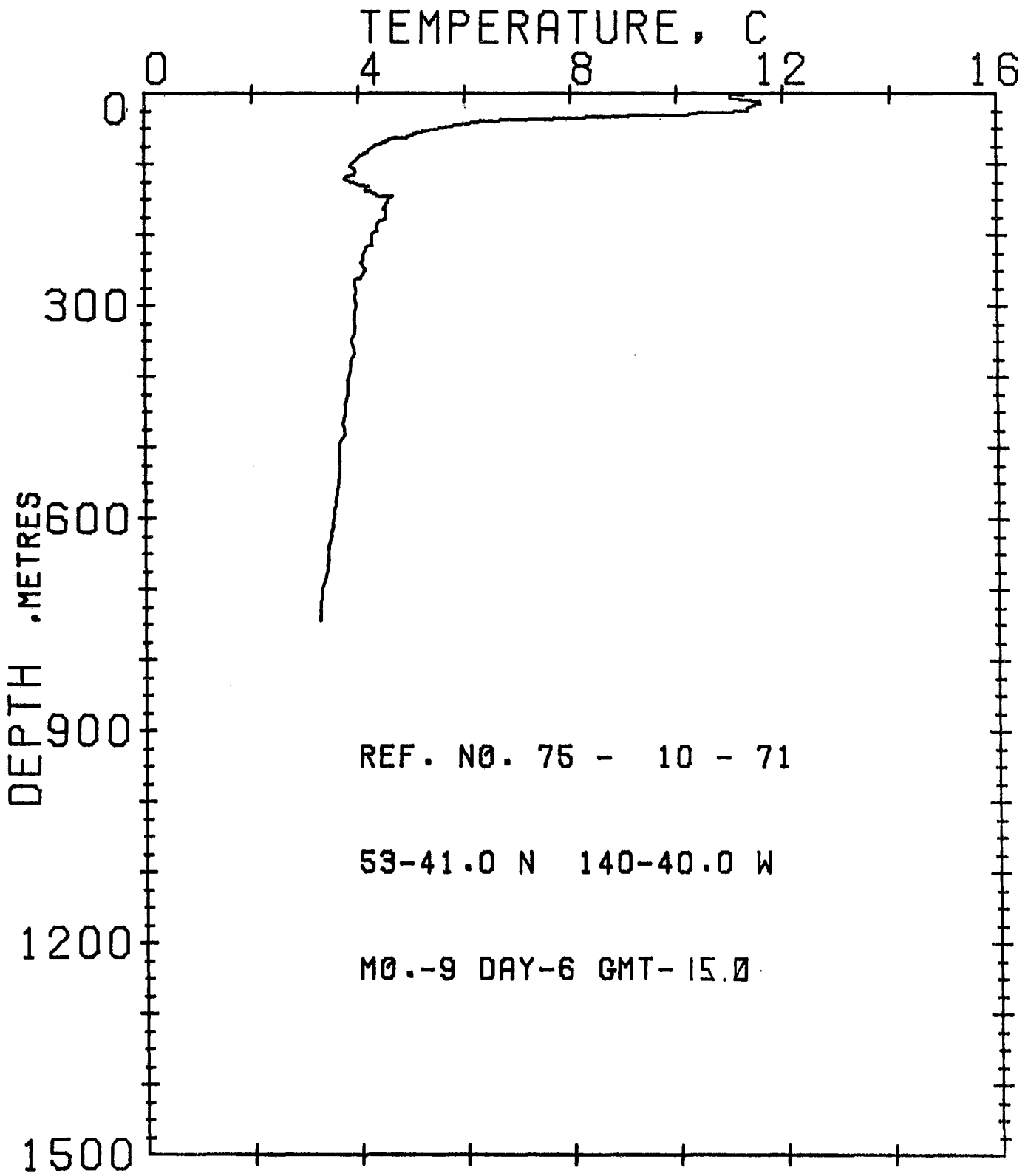
POSITION 53-38.0N 139-40.0W

GMT 10.4

RESULTS OF XBT CAST

99 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 11.88 | 120 | 4.57 | 418 | 4.07 |
| 8 | 11.83 | 122 | 4.79 | 423 | 4.07 |
| 16 | 11.83 | 123 | 4.90 | 426 | 4.13 |
| 24 | 11.83 | 127 | 4.90 | 435 | 4.13 |
| 25 | 11.73 | 131 | 5.12 | 437 | 4.02 |
| 29 | 11.73 | 134 | 5.18 | 441 | 4.02 |
| 30 | 11.57 | 140 | 5.18 | 442 | 4.07 |
| 32 | 11.21 | 142 | 5.34 | 453 | 3.96 |
| 36 | 9.81 | 146 | 5.12 | 462 | 3.96 |
| 38 | 9.24 | 156 | 5.01 | 465 | 3.91 |
| 39 | 8.13 | 166 | 5.01 | 477 | 3.91 |
| 41 | 7.87 | 173 | 5.01 | 487 | 3.91 |
| 44 | 7.01 | 176 | 5.07 | 503 | 3.85 |
| 45 | 6.80 | 190 | 5.01 | 524 | 3.80 |
| 48 | 6.53 | 207 | 4.90 | 540 | 3.74 |
| 50 | 6.32 | 213 | 4.85 | 549 | 3.74 |
| 53 | 6.15 | 224 | 4.74 | 552 | 3.80 |
| 54 | 6.15 | 244 | 4.68 | 559 | 3.80 |
| 56 | 5.99 | 246 | 4.63 | 567 | 3.85 |
| 60 | 5.99 | 261 | 4.52 | 569 | 3.80 |
| 63 | 5.77 | 275 | 4.46 | 595 | 3.85 |
| 66 | 5.72 | 279 | 4.46 | 612 | 3.74 |
| 69 | 5.45 | 296 | 4.35 | 639 | 3.74 |
| 75 | 5.34 | 315 | 4.35 | 665 | 3.68 |
| 77 | 5.28 | 319 | 4.30 | 681 | 3.63 |
| 80 | 5.18 | 337 | 4.24 | 692 | 3.63 |
| 85 | 5.01 | 354 | 4.18 | 698 | 3.57 |
| 88 | 4.96 | 378 | 4.13 | 702 | 3.57 |
| 93 | 4.85 | 382 | 4.07 | 713 | 3.52 |
| 99 | 4.68 | 396 | 4.07 | 728 | 3.52 |
| 105 | 4.57 | 401 | 4.07 | 735 | 3.52 |
| 107 | 4.52 | 408 | 4.18 | 743 | 3.46 |
| 114 | 4.52 | 415 | 4.13 | 749 | 3.46 |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 71

DATE 6/ 9/75

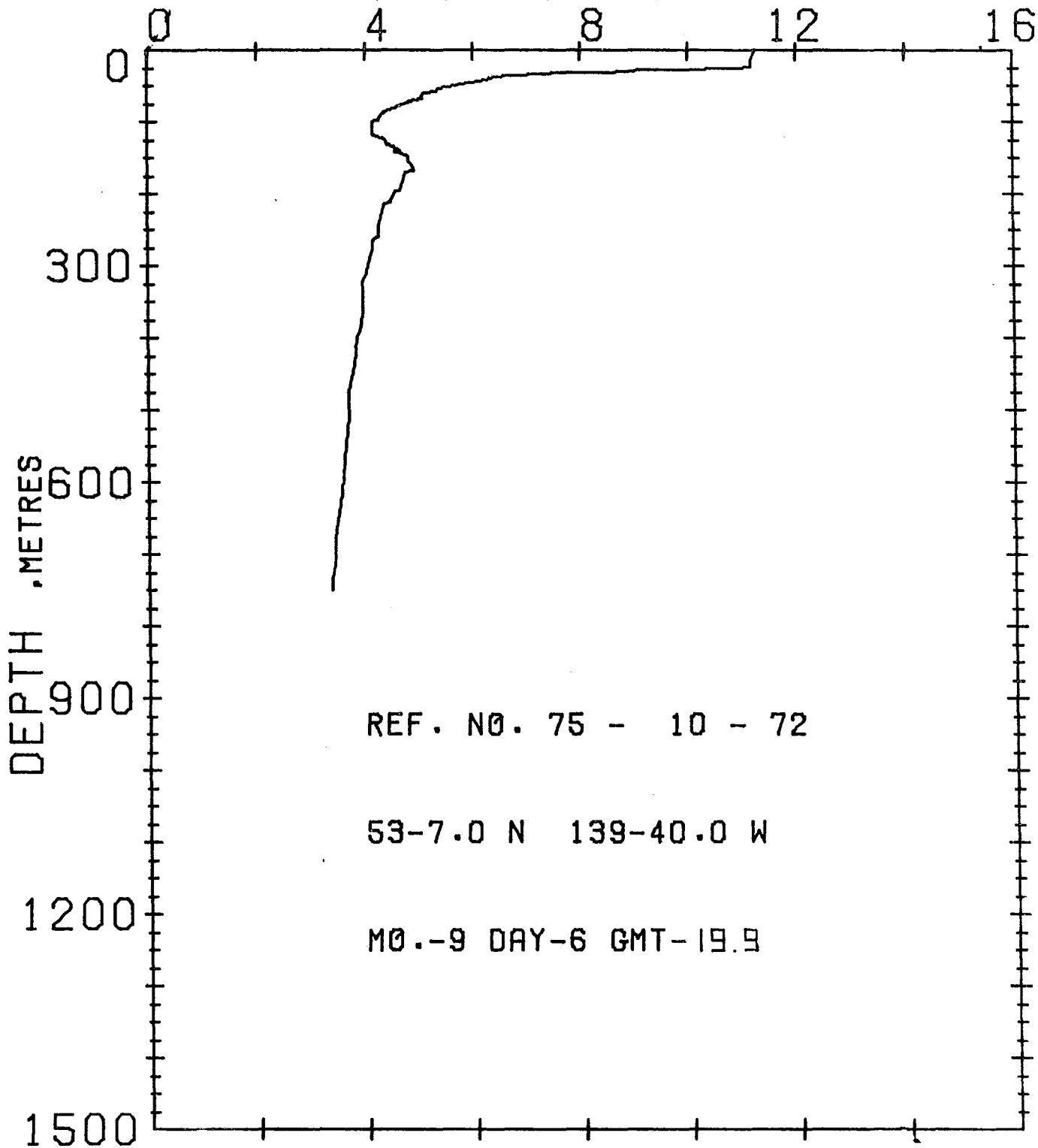
POSITION 53-41.0N 140-40.0W

GMT 15.0

RESULTS OF XBT CAST 99 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 11.26 | 128 | 3.96 | 256 | 4.07 |
| 2 | 11.01 | 131 | 4.13 | 261 | 4.02 |
| 6 | 11.01 | 133 | 4.18 | 264 | 3.91 |
| 12 | 11.57 | 136 | 4.13 | 270 | 3.91 |
| 14 | 11.57 | 138 | 4.13 | 280 | 3.90 |
| 16 | 11.57 | 141 | 4.24 | 291 | 3.91 |
| 19 | 11.47 | 145 | 4.35 | 299 | 3.90 |
| 21 | 11.32 | 146 | 4.52 | 312 | 3.91 |
| 25 | 11.32 | 147 | 4.63 | 325 | 3.91 |
| 28 | 10.85 | 150 | 4.57 | 337 | 3.91 |
| 29 | 10.49 | 153 | 4.57 | 350 | 3.85 |
| 32 | 10.13 | 159 | 4.52 | 368 | 3.91 |
| 33 | 9.60 | 164 | 4.46 | 377 | 3.85 |
| 34 | 8.61 | 165 | 4.52 | 392 | 3.85 |
| 37 | 7.39 | 169 | 4.52 | 405 | 3.80 |
| 38 | 7.01 | 173 | 4.52 | 423 | 3.80 |
| 40 | 6.37 | 178 | 4.52 | 442 | 3.74 |
| 45 | 6.05 | 182 | 4.41 | 454 | 3.74 |
| 51 | 5.56 | 187 | 4.35 | 469 | 3.66 |
| 53 | 5.26 | 190 | 4.35 | 481 | 3.74 |
| 58 | 5.07 | 192 | 4.35 | 495 | 3.63 |
| 63 | 4.90 | 195 | 4.35 | 503 | 3.63 |
| 65 | 4.63 | 200 | 4.24 | 518 | 3.63 |
| 70 | 4.52 | 203 | 4.24 | 537 | 3.63 |
| 76 | 4.30 | 208 | 4.24 | 561 | 3.57 |
| 84 | 4.16 | 212 | 4.24 | 592 | 3.52 |
| 91 | 4.02 | 215 | 4.24 | 624 | 3.46 |
| 105 | 3.85 | 219 | 4.13 | 641 | 3.41 |
| 111 | 3.96 | 223 | 4.13 | 658 | 3.41 |
| 115 | 3.91 | 227 | 4.07 | 683 | 3.35 |
| 117 | 3.80 | 236 | 4.07 | 700 | 3.29 |
| 122 | 3.74 | 241 | 4.02 | 730 | 3.24 |
| 125 | 3.85 | 250 | 4.13 | 745 | 3.24 |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75-10-72

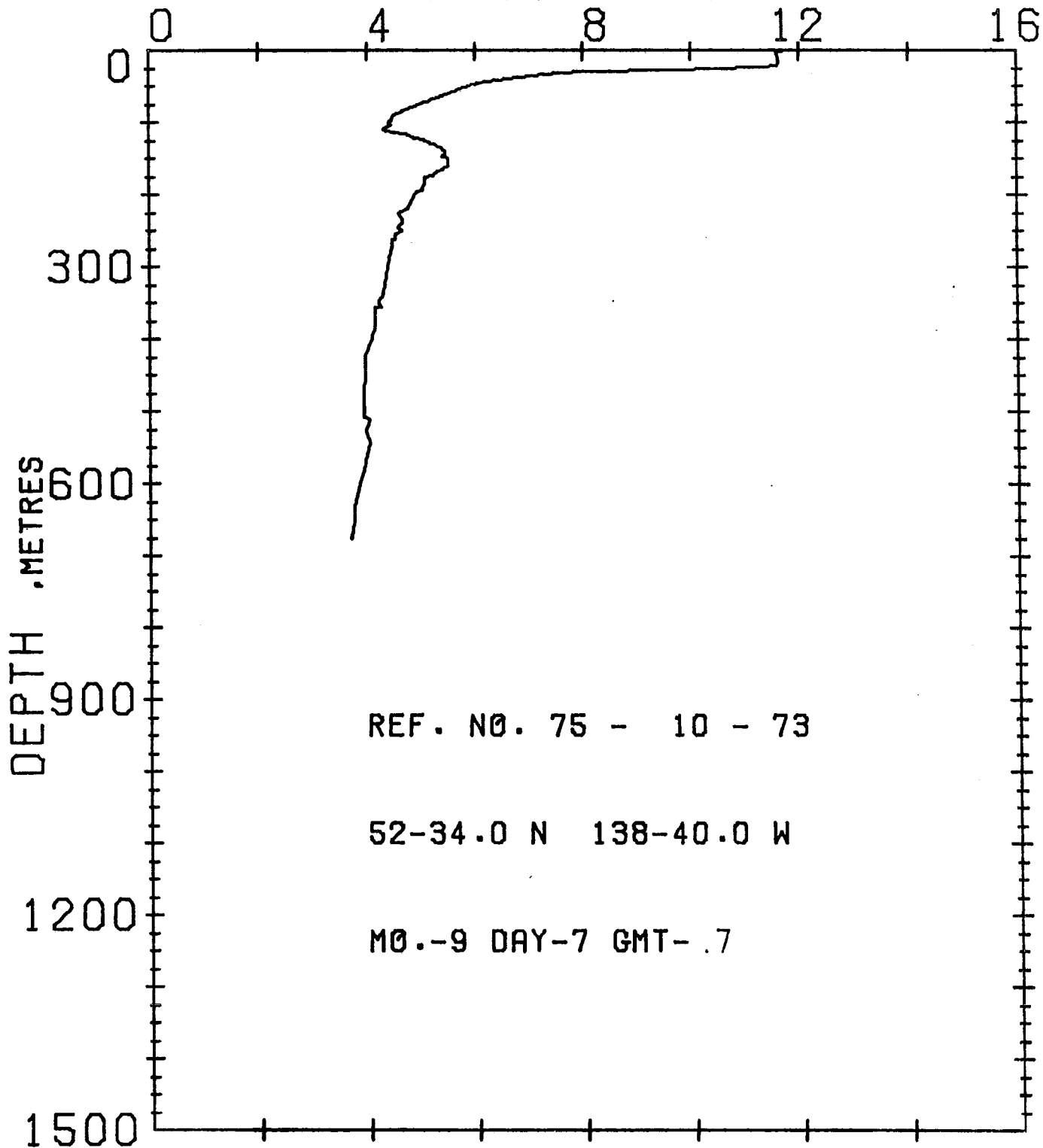
DATE 6/9/75

POSITION 53-17.0N 139-40.0W GMT 19.9

RESULTS OF XBT CAST 76 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 11.26 | 78 | 4.63 | 212 | 4.46 |
| 12 | 11.21 | 84 | 4.46 | 216 | 4.35 |
| 14 | 11.16 | 88 | 4.35 | 234 | 4.30 |
| 17 | 11.10 | 92 | 4.30 | 246 | 4.24 |
| 23 | 11.16 | 98 | 4.24 | 259 | 4.24 |
| 24 | 11.11 | 100 | 4.13 | 263 | 4.16 |
| 25 | 11.01 | 106 | 4.13 | 265 | 4.15 |
| 26 | 10.85 | 119 | 4.13 | 278 | 4.13 |
| 28 | 9.81 | 123 | 4.35 | 291 | 4.07 |
| 29 | 9.13 | 130 | 4.41 | 310 | 4.02 |
| 30 | 8.95 | 132 | 4.41 | 323 | 3.96 |
| 32 | 8.40 | 133 | 4.45 | 341 | 3.96 |
| 33 | 7.76 | 137 | 4.57 | 362 | 3.96 |
| 34 | 7.18 | 140 | 4.63 | 384 | 3.91 |
| 35 | 6.91 | 142 | 4.57 | 399 | 3.85 |
| 36 | 6.69 | 144 | 4.68 | 438 | 3.80 |
| 38 | 6.42 | 149 | 4.79 | 475 | 3.66 |
| 45 | 6.15 | 152 | 4.79 | 509 | 3.66 |
| 46 | 5.94 | 157 | 4.79 | 548 | 3.63 |
| 51 | 5.07 | 161 | 4.85 | 594 | 3.57 |
| 54 | 5.39 | 167 | 4.90 | 631 | 3.52 |
| 57 | 5.34 | 170 | 4.74 | 678 | 3.41 |
| 61 | 5.12 | 189 | 4.68 | 714 | 3.41 |
| 63 | 5.07 | 195 | 4.63 | 735 | 3.35 |
| 67 | 5.07 | 196 | 4.57 | 749 | 3.35 |
| 73 | 4.85 | | | | |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 73

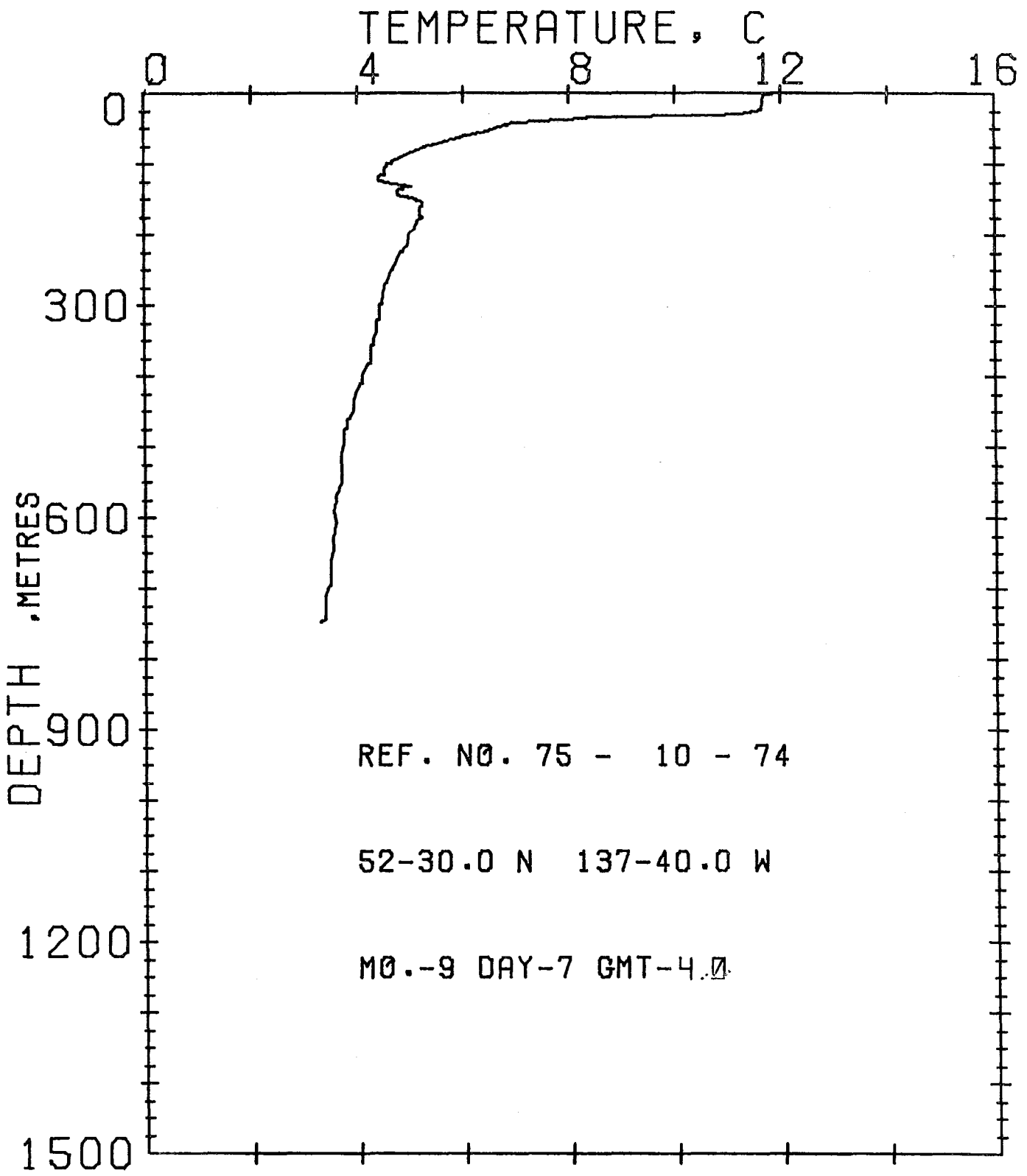
DATE 7/ 9/75

POSITION 52-34.0N 136-40.0W

GMT 0.7

RESULTS OF XBT CAST 88 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 11.68 | 118 | 4.74 | 261 | 4.52 |
| 5 | 11.57 | 122 | 4.85 | 262 | 4.40 |
| 19 | 11.62 | 123 | 5.01 | 273 | 4.40 |
| 22 | 11.57 | 126 | 5.07 | 289 | 4.41 |
| 23 | 11.37 | 130 | 5.18 | 313 | 4.35 |
| 26 | 10.33 | 133 | 5.28 | 337 | 4.30 |
| 28 | 9.86 | 138 | 5.39 | 349 | 4.10 |
| 29 | 9.24 | 141 | 5.45 | 355 | 4.24 |
| 30 | 8.50 | 144 | 5.45 | 357 | 4.13 |
| 31 | 8.03 | 146 | 5.45 | 364 | 4.13 |
| 34 | 7.28 | 148 | 5.39 | 368 | 4.13 |
| 35 | 7.12 | 150 | 5.50 | 388 | 4.13 |
| 38 | 6.80 | 160 | 5.50 | 393 | 4.07 |
| 41 | 6.42 | 166 | 5.39 | 400 | 4.07 |
| 44 | 6.20 | 170 | 5.28 | 409 | 4.02 |
| 46 | 6.05 | 173 | 5.23 | 424 | 3.96 |
| 54 | 5.72 | 177 | 5.07 | 450 | 3.96 |
| 63 | 5.39 | 184 | 5.07 | 474 | 3.91 |
| 74 | 5.01 | 194 | 5.01 | 502 | 3.91 |
| 83 | 4.74 | 198 | 4.90 | 509 | 3.91 |
| 87 | 4.63 | 203 | 4.85 | 513 | 4.02 |
| 91 | 4.52 | 212 | 4.79 | 528 | 3.96 |
| 95 | 4.46 | 220 | 4.74 | 545 | 4.02 |
| 98 | 4.46 | 226 | 4.57 | 570 | 3.96 |
| 100 | 4.41 | 233 | 4.63 | 583 | 3.91 |
| 103 | 4.41 | 241 | 4.63 | 599 | 3.85 |
| 105 | 4.46 | 246 | 4.57 | 632 | 3.74 |
| 110 | 4.30 | 251 | 4.63 | 652 | 3.74 |
| 113 | 4.35 | 256 | 4.52 | 675 | 3.60 |
| 116 | 4.63 | | | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 74

DATE 7/ 9/75

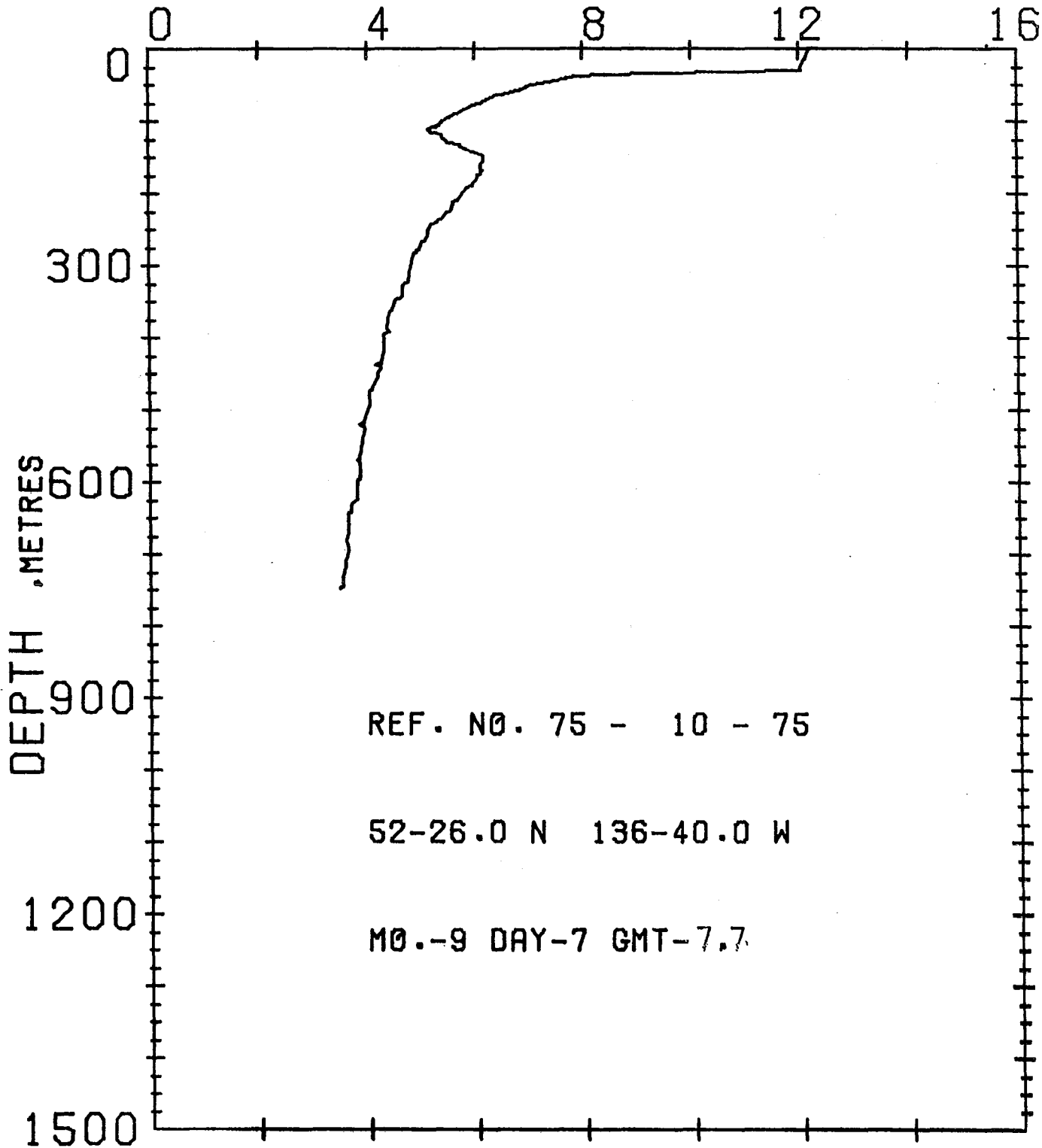
POSITION 52-30.0N 137-40.0W

GMT 4.0

RESULTS OF XBT CAST 96 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 11.83 | 132 | 5.01 | 381 | 4.24 |
| 2 | 11.68 | 133 | 4.90 | 385 | 4.18 |
| 23 | 11.62 | 136 | 4.85 | 398 | 4.07 |
| 28 | 11.42 | 137 | 4.74 | 407 | 4.07 |
| 30 | 11.16 | 143 | 4.74 | 410 | 4.07 |
| 32 | 10.80 | 150 | 5.12 | 413 | 4.02 |
| 34 | 8.40 | 152 | 5.12 | 425 | 3.96 |
| 35 | 8.34 | 154 | 5.23 | 435 | 3.91 |
| 41 | 7.01 | 157 | 5.23 | 448 | 3.91 |
| 42 | 7.01 | 159 | 5.23 | 460 | 3.85 |
| 44 | 6.80 | 161 | 5.23 | 462 | 3.80 |
| 46 | 6.85 | 163 | 5.18 | 474 | 3.80 |
| 48 | 6.69 | 174 | 5.18 | 476 | 3.74 |
| 55 | 6.48 | 177 | 5.23 | 494 | 3.74 |
| 59 | 6.10 | 181 | 5.12 | 511 | 3.68 |
| 60 | 6.05 | 192 | 5.07 | 528 | 3.68 |
| 62 | 5.99 | 201 | 4.96 | 550 | 3.68 |
| 65 | 5.94 | 212 | 4.96 | 570 | 3.57 |
| 67 | 5.67 | 224 | 4.85 | 577 | 3.57 |
| 76 | 5.28 | 226 | 4.79 | 591 | 3.52 |
| 87 | 4.96 | 249 | 4.68 | 605 | 3.57 |
| 93 | 4.79 | 251 | 4.63 | 630 | 3.52 |
| 96 | 4.68 | 268 | 4.57 | 643 | 3.52 |
| 99 | 4.63 | 272 | 4.52 | 663 | 3.46 |
| 100 | 4.57 | 298 | 4.45 | 689 | 3.46 |
| 105 | 4.57 | 301 | 4.41 | 696 | 3.46 |
| 107 | 4.52 | 320 | 4.41 | 700 | 3.41 |
| 116 | 4.52 | 323 | 4.35 | 703 | 3.41 |
| 117 | 4.41 | 337 | 4.35 | 710 | 3.35 |
| 123 | 4.41 | 347 | 4.30 | 728 | 3.35 |
| 125 | 4.52 | 355 | 4.30 | 744 | 3.35 |
| 131 | 5.01 | 356 | 4.24 | 747 | 3.29 |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 75

DATE 7/ 9/75

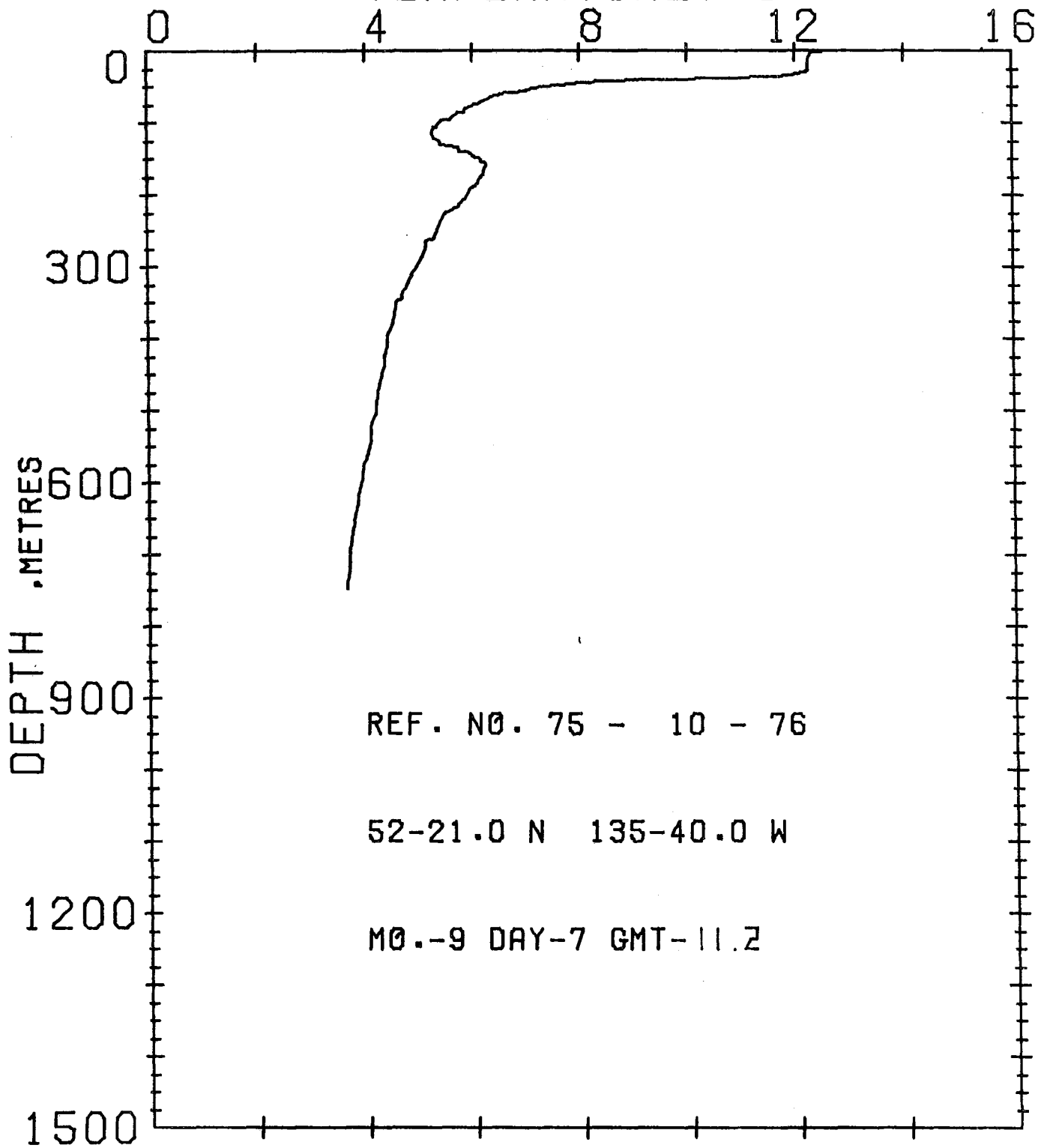
POSITION 52-26.0N 135-40.0W

GMT 7.7

RESULTS OF XBT CAST 107 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 12.29 | 149 | 6.15 | 407 | 4.30 |
| 1 | 12.19 | 152 | 6.15 | 417 | 4.30 |
| 14 | 12.14 | 157 | 6.15 | 435 | 4.24 |
| 18 | 12.09 | 159 | 6.10 | 437 | 4.13 |
| 29 | 12.04 | 167 | 6.10 | 438 | 4.16 |
| 30 | 12.04 | 169 | 6.15 | 442 | 4.24 |
| 34 | 9.45 | 173 | 6.10 | 452 | 4.16 |
| 36 | 8.40 | 174 | 6.05 | 454 | 4.16 |
| 38 | 7.97 | 178 | 6.05 | 472 | 4.07 |
| 40 | 7.71 | 191 | 5.94 | 473 | 4.02 |
| 42 | 7.71 | 192 | 5.88 | 491 | 4.02 |
| 43 | 7.65 | 202 | 5.77 | 493 | 4.02 |
| 46 | 7.39 | 210 | 5.67 | 517 | 3.91 |
| 49 | 7.28 | 212 | 5.61 | 521 | 3.85 |
| 50 | 7.07 | 216 | 5.61 | 527 | 3.96 |
| 54 | 6.96 | 219 | 5.56 | 529 | 3.91 |
| 58 | 6.85 | 221 | 5.56 | 569 | 3.85 |
| 60 | 6.69 | 240 | 5.28 | 571 | 3.80 |
| 64 | 6.53 | 243 | 5.18 | 573 | 3.85 |
| 65 | 6.42 | 252 | 5.12 | 596 | 3.85 |
| 72 | 6.21 | 258 | 5.12 | 597 | 3.80 |
| 74 | 6.15 | 266 | 5.07 | 624 | 3.80 |
| 78 | 5.99 | 267 | 5.01 | 631 | 3.68 |
| 93 | 5.61 | 277 | 4.96 | 641 | 3.68 |
| 101 | 5.39 | 278 | 4.90 | 642 | 3.63 |
| 106 | 5.34 | 282 | 4.90 | 668 | 3.63 |
| 108 | 5.28 | 283 | 4.85 | 671 | 3.63 |
| 109 | 5.18 | 322 | 4.74 | 683 | 3.57 |
| 112 | 5.12 | 327 | 4.63 | 695 | 3.63 |
| 115 | 5.15 | 342 | 4.63 | 711 | 3.57 |
| 117 | 5.39 | 349 | 4.52 | 716 | 3.57 |
| 124 | 5.39 | 363 | 4.46 | 732 | 3.52 |
| 127 | 5.45 | 365 | 4.41 | 740 | 3.52 |
| 129 | 5.50 | 369 | 4.35 | 746 | 3.52 |
| 131 | 5.72 | 392 | 4.41 | 747 | 3.46 |
| 136 | 5.72 | 397 | 4.30 | | |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 76

DATE 7/ 9/75

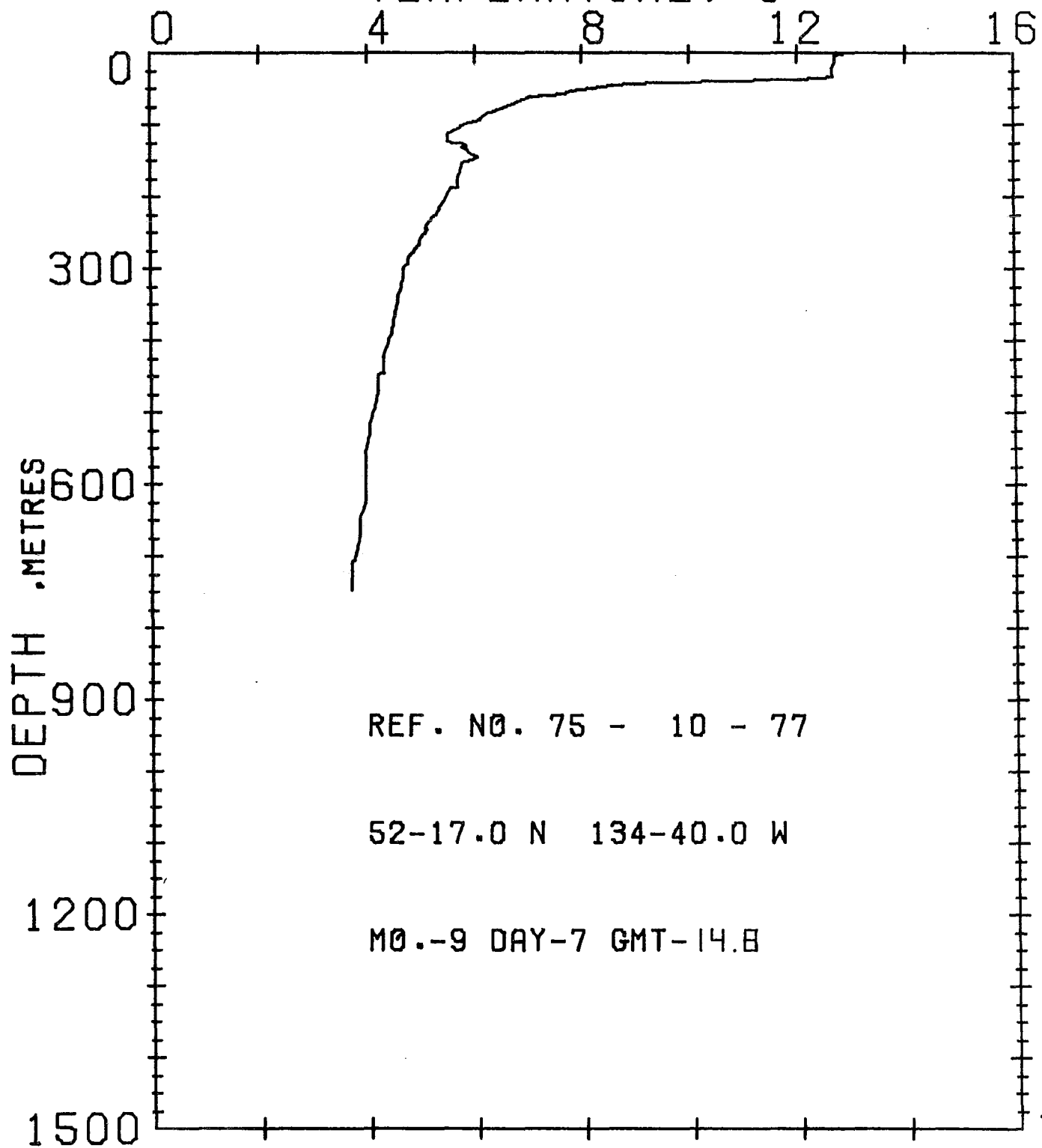
POSITION 52-21.0N 135-40.0W

GMT 11.2

RESULTS OF XBT CAST 98 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 12.50 | 114 | 5.23 | 269 | 5.12 |
| 2 | 12.34 | 122 | 5.28 | 274 | 5.12 |
| 5 | 12.29 | 126 | 5.39 | 286 | 5.07 |
| 13 | 12.24 | 129 | 5.39 | 299 | 4.96 |
| 18 | 12.24 | 135 | 5.72 | 312 | 4.85 |
| 25 | 12.24 | 137 | 5.77 | 323 | 4.79 |
| 28 | 12.24 | 139 | 5.77 | 337 | 4.68 |
| 31 | 12.19 | 140 | 5.88 | 345 | 4.68 |
| 32 | 12.09 | 142 | 5.94 | 349 | 4.57 |
| 35 | 11.68 | 145 | 5.99 | 357 | 4.57 |
| 37 | 10.64 | 147 | 5.99 | 378 | 4.52 |
| 39 | 9.66 | 148 | 6.05 | 395 | 4.41 |
| 40 | 9.19 | 150 | 6.15 | 410 | 4.41 |
| 42 | 8.55 | 153 | 6.15 | 423 | 4.35 |
| 45 | 8.03 | 154 | 6.21 | 439 | 4.35 |
| 48 | 7.65 | 158 | 6.26 | 464 | 4.24 |
| 50 | 7.34 | 166 | 6.21 | 491 | 4.18 |
| 52 | 7.16 | 172 | 6.21 | 507 | 4.18 |
| 55 | 7.07 | 176 | 6.15 | 512 | 4.13 |
| 56 | 7.01 | 180 | 6.10 | 521 | 4.07 |
| 57 | 6.75 | 185 | 6.10 | 541 | 4.07 |
| 58 | 6.69 | 188 | 6.05 | 560 | 4.02 |
| 61 | 6.53 | 189 | 5.99 | 576 | 3.96 |
| 65 | 6.37 | 193 | 5.94 | 595 | 3.91 |
| 71 | 6.15 | 206 | 5.88 | 617 | 3.85 |
| 75 | 5.99 | 207 | 5.83 | 630 | 3.85 |
| 83 | 5.88 | 217 | 5.72 | 644 | 3.80 |
| 86 | 5.83 | 226 | 5.50 | 669 | 3.74 |
| 87 | 5.72 | 231 | 5.45 | 696 | 3.68 |
| 95 | 5.61 | 241 | 5.39 | 719 | 3.68 |
| 97 | 5.45 | 250 | 5.34 | 741 | 3.65 |
| 106 | 5.34 | 259 | 5.23 | 748 | 3.65 |
| 107 | 5.28 | 264 | 5.12 | | |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 77

DATE 7/ 9/75

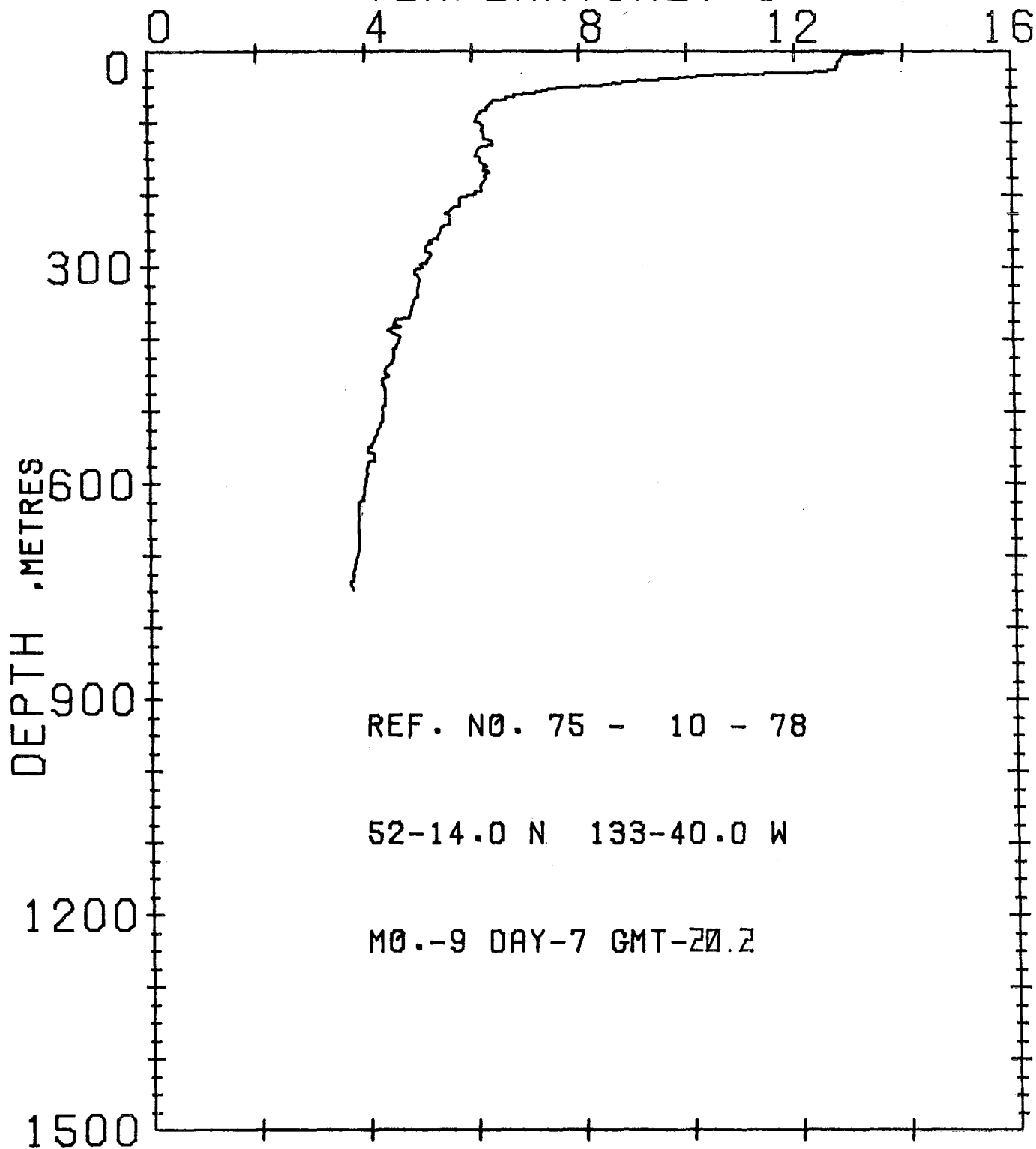
POSITION 52-17.0N 134-40.0W

GMT 14.8

RESULTS OF XBT CAST 100 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 12.86 | 131 | 5.77 | 308 | 4.66 |
| 3 | 12.70 | 133 | 5.77 | 312 | 4.68 |
| 13 | 12.70 | 138 | 5.83 | 326 | 4.63 |
| 22 | 12.65 | 145 | 6.05 | 338 | 4.57 |
| 34 | 12.65 | 146 | 5.99 | 344 | 4.57 |
| 36 | 12.40 | 147 | 6.05 | 347 | 4.57 |
| 37 | 12.04 | 152 | 5.88 | 362 | 4.52 |
| 38 | 11.62 | 155 | 5.77 | 391 | 4.46 |
| 40 | 10.75 | 165 | 5.72 | 401 | 4.41 |
| 42 | 9.71 | 173 | 5.67 | 422 | 4.30 |
| 43 | 9.39 | 180 | 5.67 | 446 | 4.30 |
| 45 | 9.03 | 187 | 5.67 | 448 | 4.16 |
| 47 | 8.55 | 188 | 5.56 | 470 | 4.16 |
| 50 | 8.19 | 198 | 5.50 | 495 | 4.13 |
| 53 | 7.81 | 207 | 5.45 | 502 | 4.07 |
| 56 | 7.71 | 212 | 5.39 | 505 | 4.07 |
| 60 | 7.39 | 219 | 5.34 | 517 | 4.02 |
| 62 | 7.07 | 225 | 5.28 | 530 | 4.02 |
| 67 | 6.85 | 227 | 5.23 | 558 | 3.96 |
| 70 | 6.80 | 234 | 5.18 | 575 | 3.96 |
| 75 | 6.59 | 238 | 5.12 | 598 | 3.96 |
| 82 | 6.37 | 244 | 5.07 | 626 | 3.96 |
| 87 | 6.21 | 247 | 5.12 | 633 | 3.91 |
| 94 | 6.10 | 252 | 5.07 | 646 | 3.85 |
| 100 | 5.83 | 257 | 5.01 | 669 | 3.85 |
| 104 | 5.72 | 263 | 4.96 | 688 | 3.80 |
| 109 | 5.61 | 268 | 4.96 | 706 | 3.74 |
| 111 | 5.56 | 272 | 4.90 | 709 | 3.68 |
| 114 | 5.50 | 278 | 4.85 | 721 | 3.68 |
| 118 | 5.50 | 281 | 4.79 | 734 | 3.66 |
| 123 | 5.50 | 289 | 4.74 | 743 | 3.66 |
| 125 | 5.50 | 294 | 4.74 | 746 | 3.68 |
| 127 | 5.72 | 301 | 4.68 | 748 | 3.68 |
| 129 | 5.63 | | | | |

TEMPERATURE, C



REF. NO. 75 - 10 - 78

52-14.0 N 133-40.0 W

MO.-9 DAY-7 GMT-20.2

OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75-10-78

DATE 7/9/75

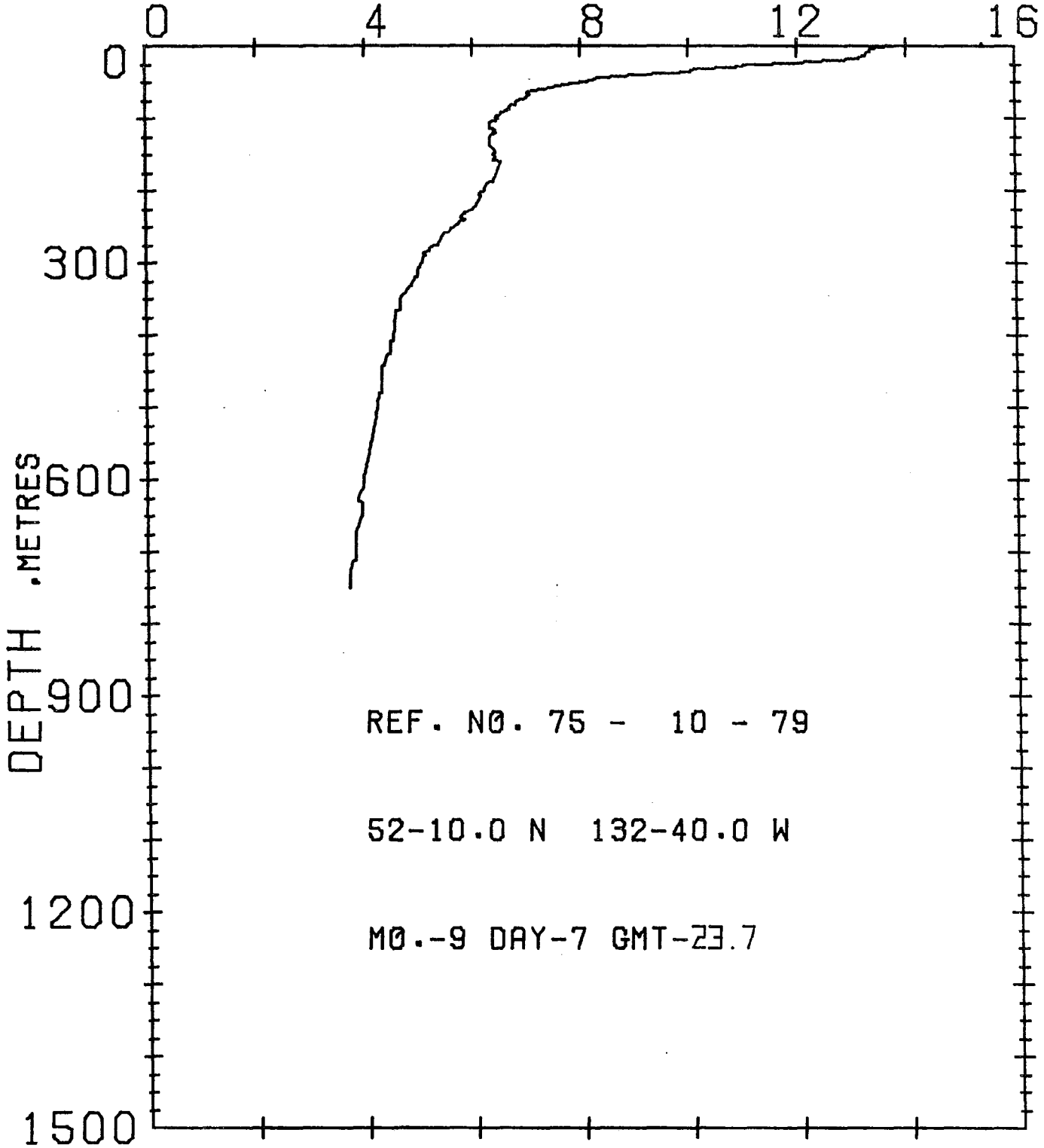
POSITION 52-14.0N 133-40.0W

GMT 20.2

RESULTS OF XBT CAST 126 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 13.62 | 134 | 6.15 | 370 | 4.79 |
| 3 | 12.96 | 137 | 6.10 | 373 | 4.57 |
| 4 | 12.91 | 145 | 6.05 | 380 | 4.52 |
| 14 | 12.86 | 148 | 6.15 | 381 | 4.63 |
| 15 | 12.80 | 155 | 6.15 | 383 | 4.52 |
| 21 | 12.80 | 159 | 6.26 | 389 | 4.41 |
| 23 | 12.75 | 161 | 6.21 | 396 | 4.63 |
| 26 | 12.75 | 166 | 6.21 | 412 | 4.57 |
| 29 | 12.45 | 168 | 6.32 | 414 | 4.52 |
| 30 | 12.29 | 171 | 6.26 | 426 | 4.52 |
| 33 | 10.64 | 174 | 6.21 | 434 | 4.46 |
| 37 | 9.71 | 176 | 6.26 | 441 | 4.35 |
| 43 | 8.92 | 186 | 6.15 | 447 | 4.35 |
| 44 | 8.71 | 193 | 6.15 | 449 | 4.41 |
| 48 | 8.40 | 194 | 6.05 | 452 | 4.41 |
| 50 | 7.71 | 198 | 6.05 | 455 | 4.30 |
| 52 | 7.50 | 203 | 5.77 | 459 | 4.30 |
| 58 | 7.18 | 212 | 5.77 | 462 | 4.30 |
| 61 | 6.80 | 216 | 5.77 | 467 | 4.35 |
| 63 | 6.80 | 217 | 5.67 | 476 | 4.35 |
| 65 | 6.64 | 225 | 5.50 | 491 | 4.35 |
| 67 | 6.64 | 227 | 5.56 | 495 | 4.30 |
| 68 | 6.42 | 240 | 5.56 | 515 | 4.30 |
| 73 | 6.37 | 243 | 5.45 | 521 | 4.24 |
| 76 | 6.32 | 250 | 5.39 | 540 | 4.13 |
| 79 | 6.26 | 259 | 5.34 | 547 | 4.07 |
| 81 | 6.26 | 261 | 5.23 | 550 | 4.02 |
| 84 | 6.15 | 264 | 5.18 | 556 | 4.02 |
| 87 | 6.15 | 267 | 5.23 | 558 | 4.13 |
| 89 | 6.10 | 272 | 5.12 | 568 | 4.13 |
| 98 | 6.05 | 278 | 5.12 | 571 | 4.02 |
| 99 | 6.15 | 281 | 5.23 | 624 | 3.91 |
| 101 | 6.15 | 295 | 5.12 | 626 | 3.85 |
| 104 | 6.21 | 296 | 5.01 | 648 | 3.85 |
| 107 | 6.21 | 301 | 5.07 | 669 | 3.85 |
| 109 | 6.15 | 304 | 4.90 | 690 | 3.85 |
| 111 | 6.15 | 309 | 4.90 | 707 | 3.80 |
| 114 | 6.21 | 310 | 4.96 | 725 | 3.74 |
| 122 | 6.21 | 319 | 5.01 | 735 | 3.74 |
| 123 | 6.37 | 332 | 4.95 | 736 | 3.68 |
| 129 | 6.37 | 342 | 4.96 | 742 | 3.68 |
| 132 | 6.26 | 344 | 4.90 | 748 | 3.74 |

TEMPERATURE, C



REF. NO. 75 - 10 - 79

52-10.0 N 132-40.0 W

MO.-9 DAY-7 GMT-23.7

OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 79

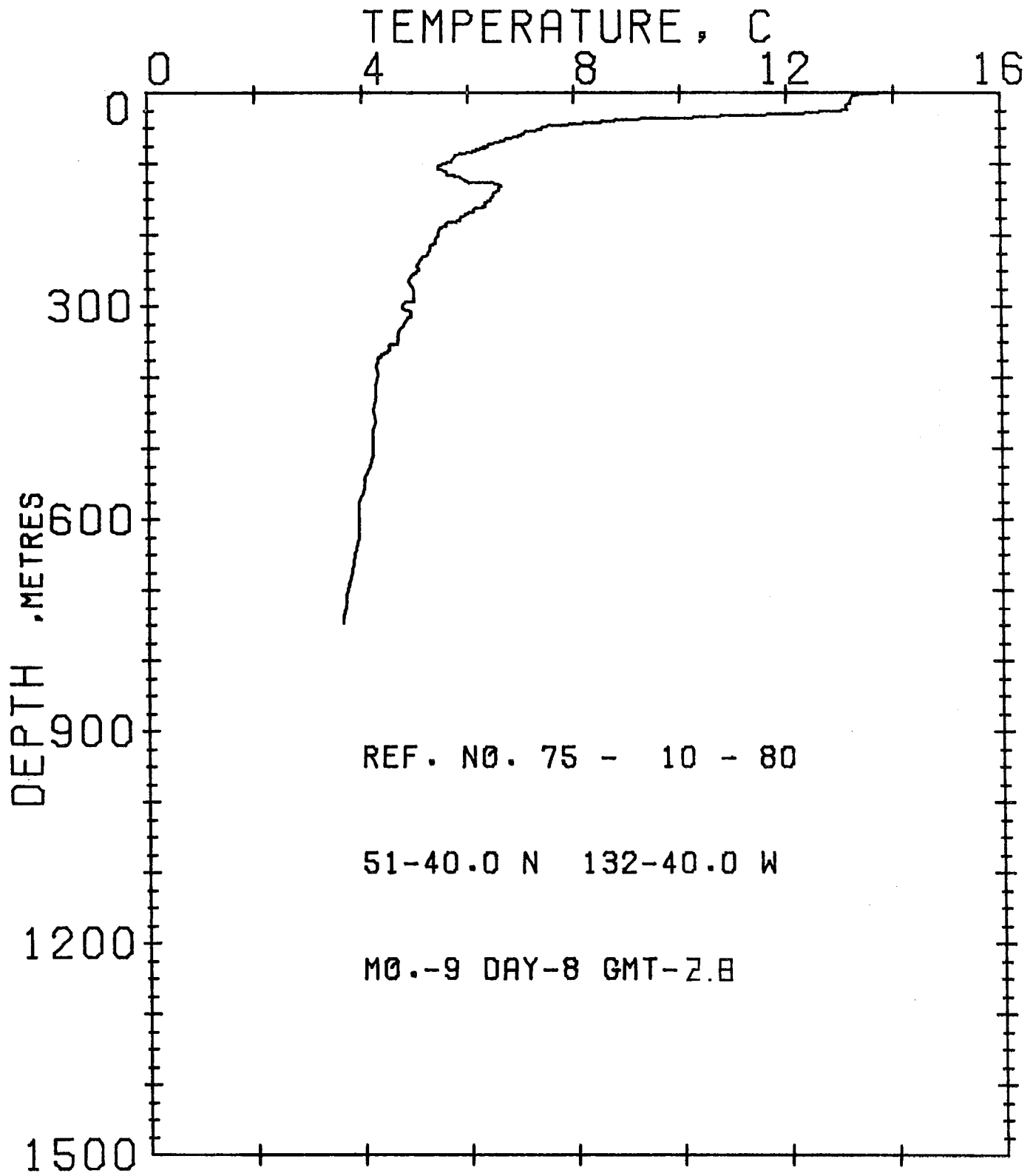
DATE 7/ 9/75

POSITION 52-10.0N 132-40.0W

GMT 23.7

RESULTS OF XBT CAST 103 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 13.72 | 117 | 6.37 | 331 | 4.85 |
| 3 | 13.37 | 120 | 6.42 | 336 | 4.79 |
| 8 | 13.32 | 127 | 6.32 | 348 | 4.68 |
| 13 | 13.26 | 138 | 6.32 | 351 | 4.63 |
| 14 | 13.21 | 146 | 6.42 | 365 | 4.63 |
| 19 | 13.11 | 148 | 6.42 | 367 | 4.57 |
| 22 | 12.24 | 150 | 6.37 | 408 | 4.52 |
| 24 | 12.09 | 154 | 6.42 | 409 | 4.46 |
| 27 | 11.06 | 158 | 6.37 | 426 | 4.46 |
| 30 | 10.85 | 161 | 6.53 | 428 | 4.41 |
| 33 | 10.13 | 167 | 6.37 | 441 | 4.35 |
| 36 | 10.02 | 191 | 6.26 | 443 | 4.30 |
| 37 | 9.71 | 200 | 6.21 | 479 | 4.30 |
| 39 | 8.98 | 206 | 6.10 | 480 | 4.24 |
| 42 | 8.82 | 208 | 6.15 | 511 | 4.18 |
| 45 | 8.34 | 221 | 6.05 | 532 | 4.13 |
| 50 | 8.13 | 226 | 5.99 | 552 | 4.07 |
| 52 | 7.87 | 231 | 5.83 | 573 | 4.02 |
| 61 | 7.34 | 237 | 5.77 | 596 | 3.96 |
| 62 | 7.12 | 241 | 5.83 | 612 | 3.96 |
| 66 | 7.01 | 246 | 5.72 | 614 | 3.91 |
| 69 | 7.07 | 253 | 5.56 | 623 | 3.85 |
| 73 | 7.01 | 263 | 5.45 | 630 | 3.85 |
| 75 | 6.85 | 276 | 5.34 | 633 | 3.91 |
| 82 | 6.80 | 278 | 5.23 | 647 | 3.91 |
| 84 | 6.69 | 285 | 5.18 | 674 | 3.80 |
| 88 | 6.69 | 287 | 5.07 | 707 | 3.80 |
| 91 | 6.64 | 290 | 5.12 | 713 | 3.80 |
| 94 | 6.53 | 294 | 5.07 | 714 | 3.74 |
| 99 | 6.42 | 301 | 5.07 | 726 | 3.68 |
| 100 | 6.46 | 307 | 5.01 | 738 | 3.68 |
| 105 | 6.42 | 310 | 4.96 | 744 | 3.68 |
| 107 | 6.32 | 320 | 4.96 | 747 | 3.68 |
| 114 | 6.32 | 322 | 4.90 | 749 | 3.68 |
| 116 | 6.42 | | | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 80

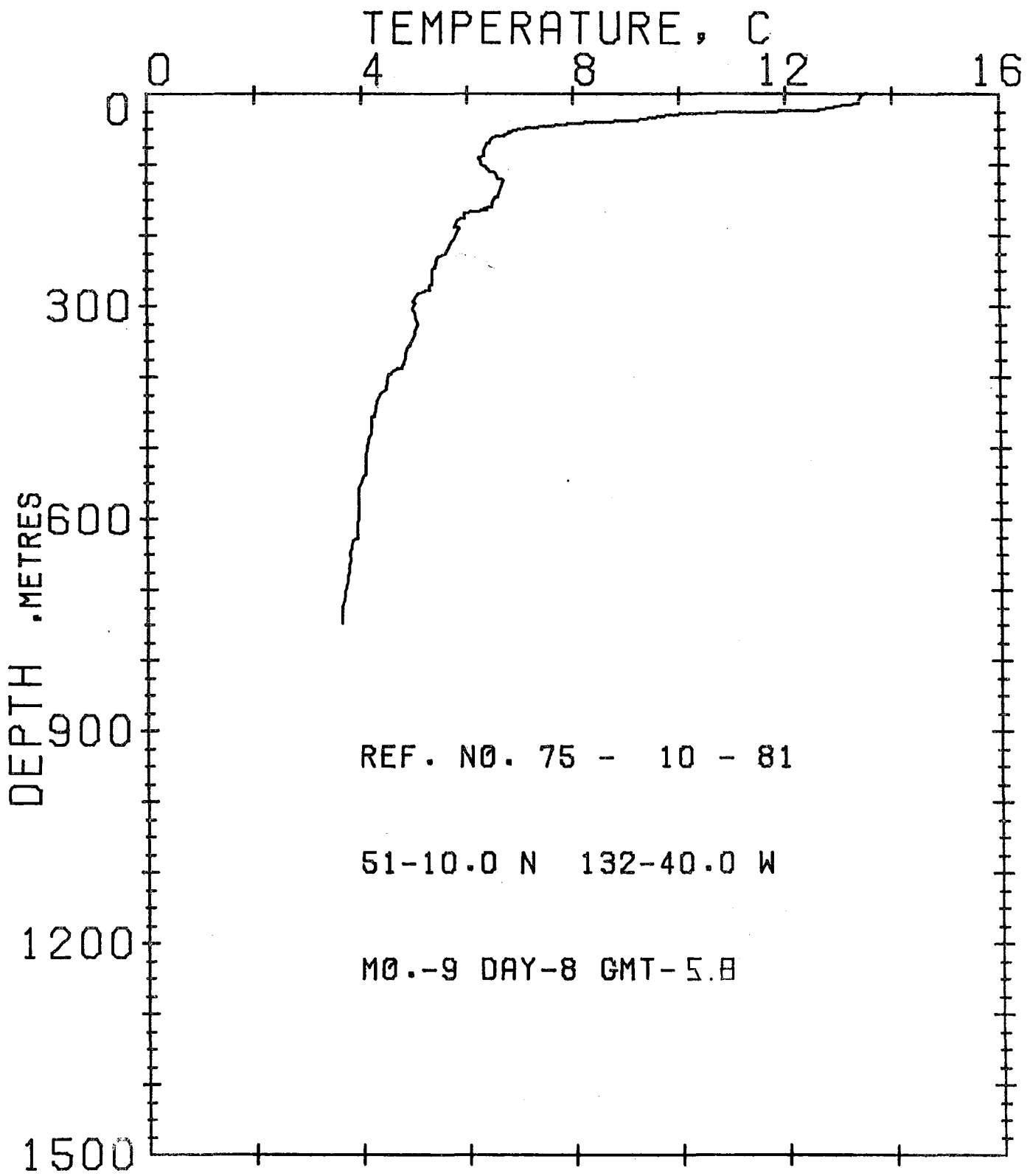
DATE 8/ 9/75

POSITION 51-40.0N 132-40.0W

GMT 2.8

RESULTS OF XBT CAST 173 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 14.03 | 116 | 5.77 | 253 | 5.01 |
| 2 | 13.42 | 118 | 5.77 | 257 | 4.96 |
| 3 | 13.32 | 120 | 5.88 | 260 | 4.90 |
| 5 | 13.26 | 123 | 5.94 | 266 | 4.85 |
| 11 | 13.21 | 125 | 5.99 | 272 | 4.90 |
| 16 | 13.21 | 126 | 6.21 | 279 | 4.96 |
| 18 | 13.11 | 127 | 6.37 | 287 | 4.96 |
| 20 | 13.11 | 128 | 6.53 | 293 | 4.96 |
| 24 | 13.11 | 129 | 6.59 | 294 | 4.85 |
| 26 | 13.01 | 131 | 6.64 | 297 | 4.79 |
| 27 | 12.75 | 133 | 6.59 | 301 | 4.74 |
| 29 | 12.45 | 137 | 6.59 | 303 | 4.74 |
| 30 | 12.24 | 140 | 6.53 | 306 | 4.79 |
| 31 | 11.88 | 141 | 6.53 | 308 | 4.90 |
| 32 | 11.37 | 142 | 6.48 | 311 | 4.90 |
| 33 | 11.06 | 144 | 6.48 | 315 | 4.90 |
| 34 | 10.44 | 147 | 6.48 | 319 | 4.85 |
| 35 | 10.07 | 150 | 6.42 | 338 | 4.68 |
| 36 | 9.34 | 152 | 6.42 | 344 | 4.68 |
| 37 | 9.19 | 153 | 6.37 | 349 | 4.68 |
| 38 | 8.98 | 155 | 6.32 | 353 | 4.63 |
| 40 | 8.61 | 156 | 6.32 | 354 | 4.57 |
| 41 | 8.50 | 158 | 6.32 | 356 | 4.52 |
| 42 | 8.45 | 160 | 6.32 | 357 | 4.52 |
| 43 | 8.34 | 162 | 6.26 | 360 | 4.52 |
| 45 | 8.03 | 163 | 6.15 | 362 | 4.52 |
| 46 | 7.81 | 166 | 6.10 | 365 | 4.46 |
| 47 | 7.60 | 167 | 6.10 | 368 | 4.41 |
| 48 | 7.50 | 168 | 6.10 | 370 | 4.35 |
| 50 | 7.39 | 169 | 6.05 | 372 | 4.35 |
| 52 | 7.39 | 171 | 5.99 | 374 | 4.30 |
| 53 | 7.28 | 172 | 5.94 | 376 | 4.30 |
| 55 | 7.12 | 175 | 5.88 | 380 | 4.30 |
| 57 | 7.07 | 177 | 5.88 | 386 | 4.24 |
| 60 | 7.01 | 179 | 5.83 | 398 | 4.30 |
| 61 | 7.01 | 181 | 5.77 | 411 | 4.24 |
| 62 | 6.96 | 183 | 5.67 | 431 | 4.24 |
| 63 | 6.80 | 184 | 5.56 | 448 | 4.18 |
| 65 | 6.75 | 187 | 5.56 | 464 | 4.24 |
| 67 | 6.69 | 191 | 5.50 | 476 | 4.18 |
| 68 | 6.64 | 195 | 5.45 | 492 | 4.18 |
| 71 | 6.48 | 199 | 5.45 | 513 | 4.18 |
| 73 | 6.42 | 202 | 5.45 | 526 | 4.13 |
| 75 | 6.37 | 205 | 5.39 | 544 | 4.02 |
| 77 | 6.26 | 208 | 5.39 | 558 | 4.02 |
| 78 | 6.32 | 210 | 5.39 | 574 | 3.96 |
| 80 | 6.21 | 212 | 5.39 | 577 | 3.91 |
| 81 | 6.15 | 214 | 5.34 | 592 | 3.91 |
| 85 | 5.94 | 216 | 5.28 | 612 | 3.91 |
| 87 | 5.88 | 218 | 5.28 | 628 | 3.91 |
| 89 | 5.77 | 221 | 5.28 | 651 | 3.85 |
| 98 | 5.67 | 223 | 5.28 | 675 | 3.80 |
| 99 | 5.56 | 227 | 5.23 | 693 | 3.74 |
| 102 | 5.50 | 234 | 5.12 | 709 | 3.68 |
| 104 | 5.45 | 240 | 5.07 | 726 | 3.68 |
| 108 | 5.45 | 243 | 5.01 | 740 | 3.63 |
| 111 | 5.56 | 248 | 5.07 | 748 | 3.63 |
| 115 | 5.61 | 250 | 5.07 | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 81

DATE 8/ 9/75

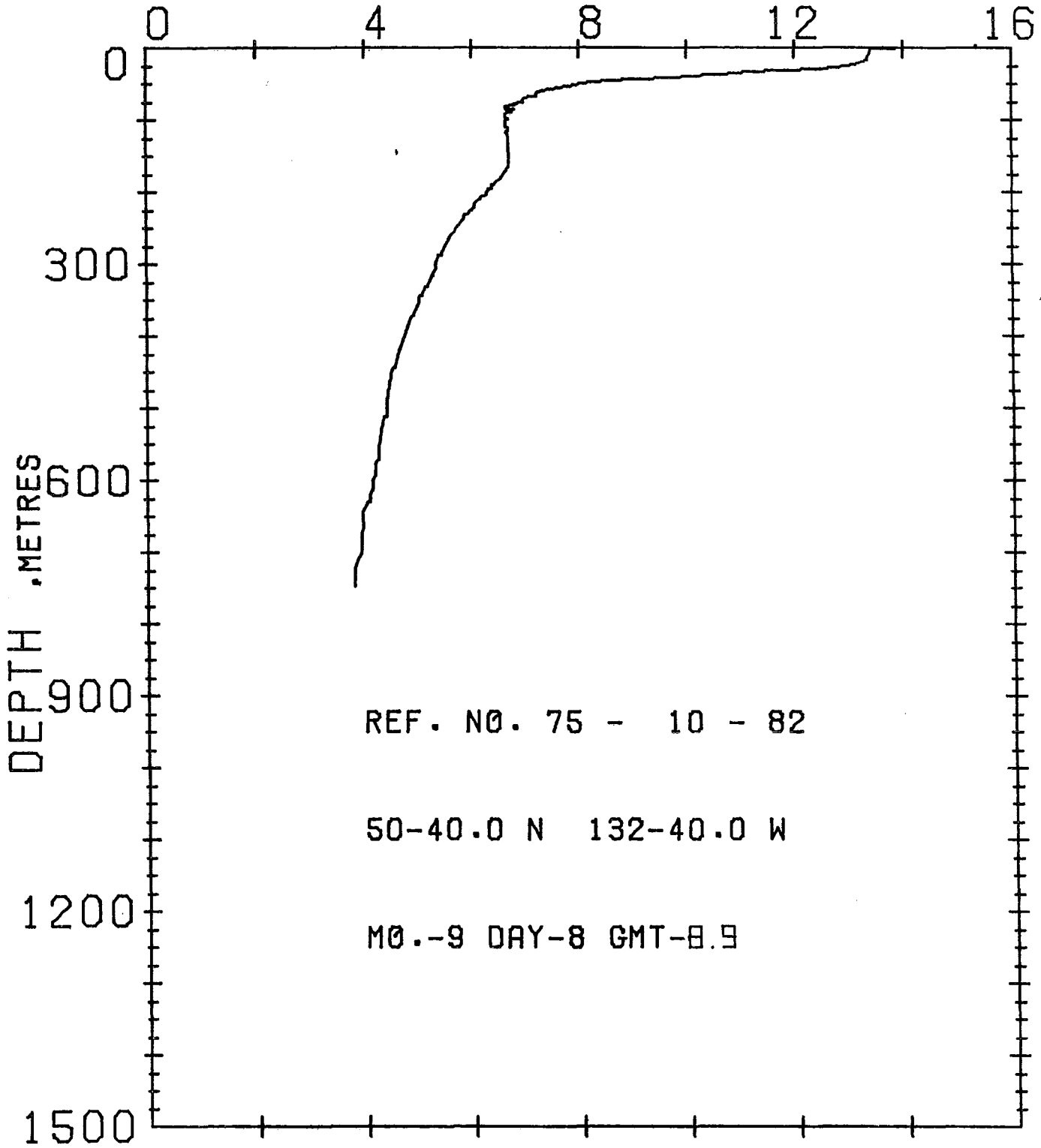
POSITION 51-10.0N 132-40.0W

GMT 5.8

RESULTS OF XBT CAST 94 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 13.52 | 146 | 6.59 | 387 | 4.74 |
| 5 | 13.42 | 147 | 6.53 | 389 | 4.68 |
| 14 | 13.37 | 156 | 6.48 | 396 | 4.57 |
| 18 | 12.96 | 159 | 6.48 | 397 | 4.52 |
| 20 | 12.91 | 163 | 6.32 | 419 | 4.46 |
| 22 | 12.65 | 164 | 6.37 | 427 | 4.35 |
| 23 | 12.60 | 169 | 5.94 | 434 | 4.30 |
| 25 | 11.11 | 177 | 5.94 | 455 | 4.24 |
| 29 | 10.23 | 178 | 5.83 | 456 | 4.18 |
| 31 | 9.81 | 168 | 5.77 | 479 | 4.18 |
| 37 | 9.19 | 191 | 5.88 | 489 | 4.13 |
| 40 | 8.40 | 225 | 5.61 | 512 | 4.07 |
| 44 | 7.76 | 231 | 5.45 | 527 | 4.07 |
| 46 | 7.60 | 246 | 5.39 | 538 | 4.07 |
| 48 | 7.18 | 250 | 5.34 | 542 | 4.02 |
| 53 | 6.80 | 270 | 5.34 | 559 | 3.96 |
| 56 | 6.80 | 271 | 5.28 | 580 | 3.96 |
| 59 | 6.69 | 278 | 5.28 | 593 | 3.96 |
| 61 | 6.59 | 280 | 5.18 | 596 | 3.96 |
| 64 | 6.46 | 284 | 5.07 | 610 | 3.91 |
| 70 | 6.42 | 295 | 4.96 | 628 | 3.91 |
| 71 | 6.37 | 297 | 5.01 | 630 | 3.85 |
| 82 | 6.32 | 305 | 4.96 | 650 | 3.80 |
| 88 | 6.32 | 310 | 5.01 | 654 | 3.80 |
| 92 | 6.21 | 318 | 5.01 | 688 | 3.74 |
| 96 | 6.26 | 325 | 5.07 | 706 | 3.66 |
| 100 | 6.26 | 337 | 5.01 | 715 | 3.66 |
| 107 | 6.37 | 341 | 5.01 | 727 | 3.65 |
| 109 | 6.42 | 356 | 4.90 | 737 | 3.65 |
| 113 | 6.53 | 360 | 4.85 | 743 | 3.65 |
| 120 | 6.59 | 381 | 4.79 | 748 | 3.65 |
| 122 | 6.69 | | | | |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 32

DATE 8/ 9/75

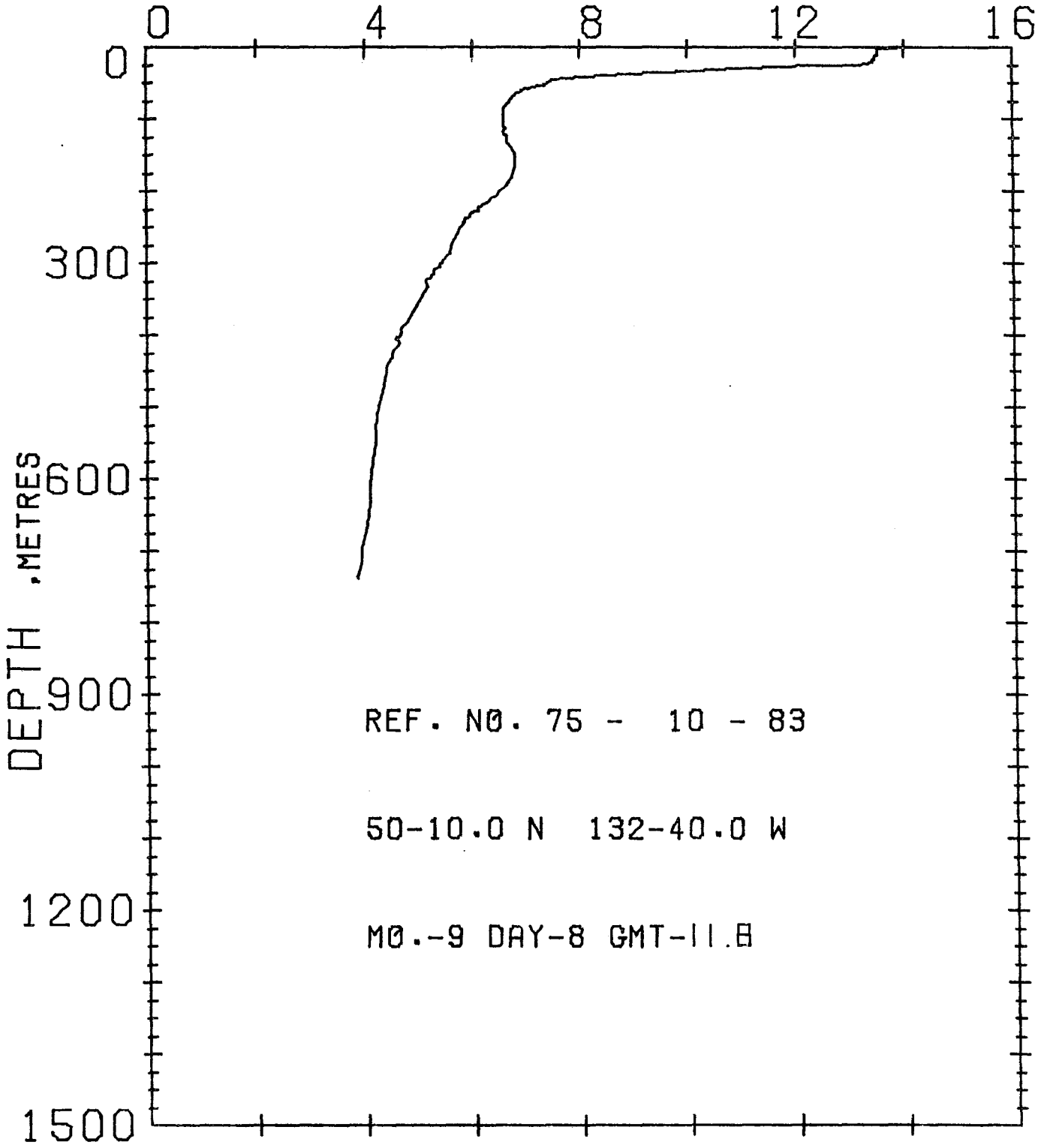
POSITION 50-40.0N 132-40.0W

GMT 8.9

RESULTS OF XBT CAST 102 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 13.33 | 118 | 6.64 | 346 | 5.01 |
| 2 | 13.42 | 124 | 6.69 | 354 | 5.01 |
| 19 | 13.32 | 141 | 6.69 | 373 | 4.90 |
| 24 | 13.11 | 159 | 6.69 | 376 | 4.85 |
| 28 | 12.80 | 165 | 6.69 | 388 | 4.79 |
| 30 | 12.45 | 172 | 6.64 | 418 | 4.68 |
| 34 | 11.11 | 182 | 6.53 | 420 | 4.63 |
| 36 | 11.01 | 189 | 6.42 | 443 | 4.57 |
| 40 | 10.02 | 190 | 6.37 | 446 | 4.52 |
| 42 | 9.81 | 195 | 6.37 | 468 | 4.48 |
| 45 | 8.98 | 197 | 6.32 | 493 | 4.41 |
| 47 | 8.66 | 204 | 6.26 | 512 | 4.41 |
| 48 | 8.24 | 210 | 6.15 | 513 | 4.35 |
| 56 | 7.65 | 218 | 6.05 | 532 | 4.30 |
| 61 | 7.34 | 223 | 6.05 | 557 | 4.24 |
| 65 | 7.23 | 225 | 5.99 | 572 | 4.24 |
| 67 | 7.23 | 230 | 5.94 | 576 | 4.18 |
| 69 | 7.07 | 233 | 5.88 | 592 | 4.18 |
| 74 | 6.96 | 237 | 5.88 | 603 | 4.13 |
| 76 | 6.96 | 241 | 5.83 | 615 | 4.13 |
| 78 | 6.85 | 250 | 5.72 | 620 | 4.07 |
| 80 | 6.80 | 263 | 5.61 | 630 | 4.07 |
| 81 | 6.69 | 266 | 5.56 | 632 | 4.02 |
| 83 | 6.64 | 278 | 5.50 | 643 | 3.98 |
| 85 | 6.64 | 287 | 5.45 | 657 | 3.98 |
| 87 | 6.80 | 289 | 5.39 | 661 | 3.98 |
| 90 | 6.75 | 300 | 5.34 | 679 | 3.91 |
| 92 | 6.64 | 307 | 5.34 | 702 | 3.91 |
| 96 | 6.64 | 317 | 5.28 | 712 | 3.85 |
| 99 | 6.69 | 322 | 5.23 | 724 | 3.88 |
| 101 | 6.64 | 323 | 5.23 | 734 | 3.88 |
| 111 | 6.64 | 332 | 5.18 | 743 | 3.88 |
| 113 | 6.69 | 335 | 5.12 | 747 | 3.88 |
| 115 | 6.69 | 344 | 5.07 | 748 | 3.88 |

TEMPERATURE, C



REF. NO. 75 - 10 - 83

50-10.0 N 132-40.0 W

NO.-9 DAY-8 GMT-11.8

OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75-10-55

DATE 8/ 9/75

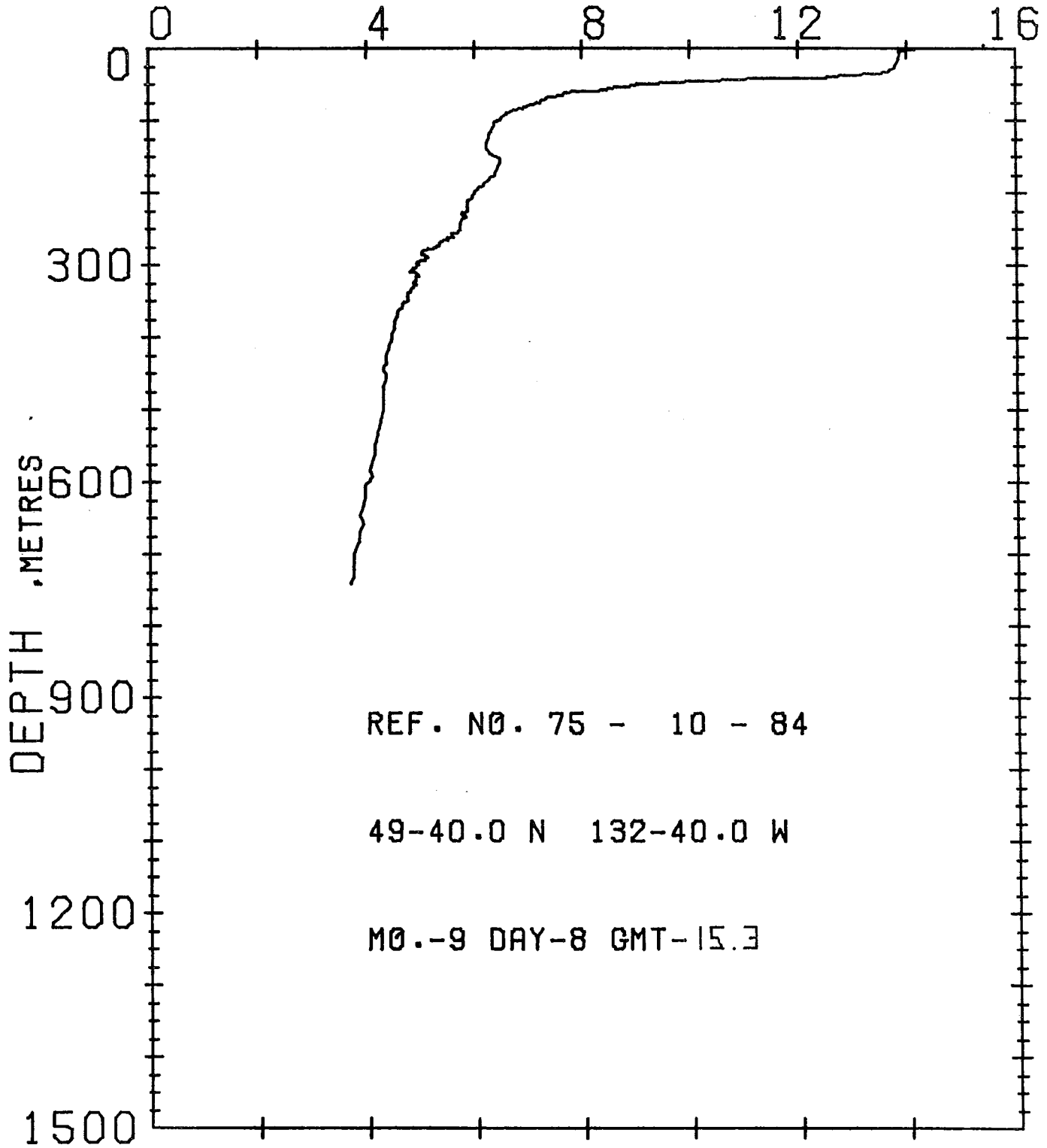
POSITION 50-10.0N 132-40.0W

GMT 11.8

RESULTS OF XBT CAST 104 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 13.88 | 88 | 6.59 | 310 | 5.26 |
| 2 | 13.52 | 94 | 6.59 | 316 | 5.26 |
| 6 | 13.52 | 103 | 6.59 | 320 | 5.23 |
| 11 | 13.52 | 113 | 6.59 | 326 | 5.12 |
| 14 | 13.47 | 114 | 6.64 | 335 | 5.16 |
| 17 | 13.47 | 119 | 6.59 | 340 | 5.12 |
| 19 | 13.47 | 122 | 6.59 | 346 | 5.07 |
| 20 | 13.42 | 124 | 6.64 | 353 | 5.01 |
| 22 | 13.42 | 128 | 6.64 | 360 | 4.96 |
| 24 | 13.32 | 135 | 6.64 | 369 | 4.90 |
| 25 | 13.16 | 138 | 6.69 | 382 | 4.79 |
| 26 | 12.91 | 144 | 6.75 | 392 | 4.68 |
| 27 | 12.24 | 150 | 6.80 | 401 | 4.68 |
| 29 | 11.78 | 156 | 6.80 | 403 | 4.65 |
| 31 | 10.95 | 167 | 6.80 | 407 | 4.57 |
| 32 | 10.54 | 181 | 6.75 | 413 | 4.65 |
| 34 | 10.13 | 192 | 6.64 | 425 | 4.52 |
| 36 | 9.50 | 203 | 6.45 | 432 | 4.52 |
| 38 | 8.92 | 214 | 6.32 | 438 | 4.46 |
| 40 | 8.50 | 224 | 6.10 | 439 | 4.46 |
| 42 | 8.15 | 228 | 6.10 | 443 | 4.41 |
| 45 | 7.76 | 230 | 5.99 | 453 | 4.41 |
| 46 | 7.55 | 236 | 5.94 | 471 | 4.35 |
| 49 | 7.50 | 240 | 5.86 | 489 | 4.36 |
| 53 | 7.34 | 243 | 5.88 | 500 | 4.24 |
| 55 | 7.23 | 245 | 5.83 | 529 | 4.18 |
| 58 | 7.07 | 246 | 5.83 | 550 | 4.18 |
| 60 | 6.91 | 254 | 5.77 | 576 | 4.15 |
| 62 | 6.91 | 266 | 5.67 | 608 | 4.07 |
| 67 | 6.80 | 275 | 5.61 | 633 | 4.07 |
| 72 | 6.75 | 287 | 5.56 | 665 | 4.02 |
| 75 | 6.69 | 294 | 5.50 | 696 | 3.91 |
| 78 | 6.69 | 299 | 5.45 | 718 | 3.91 |
| 81 | 6.64 | 302 | 5.39 | 739 | 3.85 |
| 85 | 6.59 | 307 | 5.39 | | |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 64

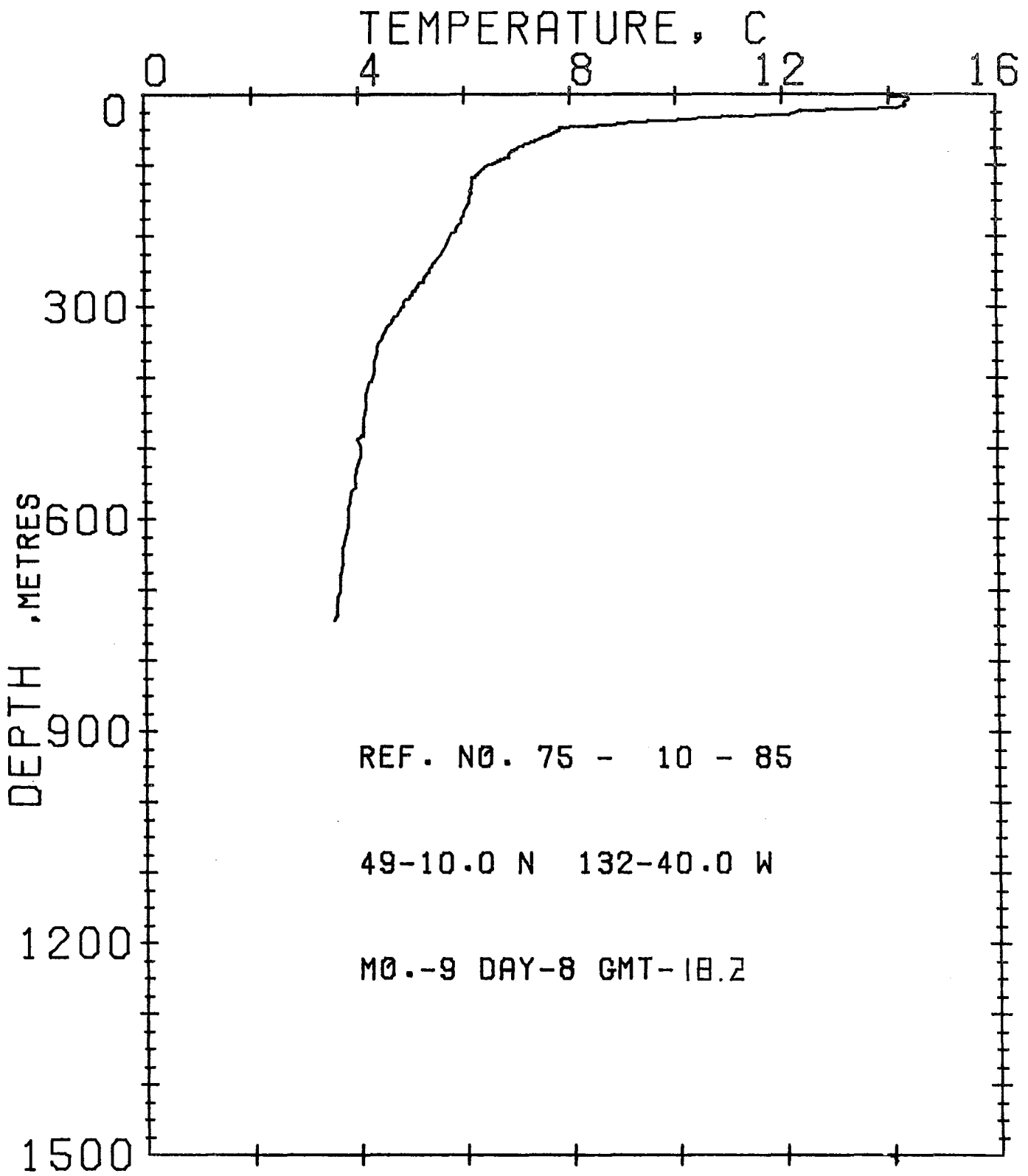
DATE 8/ 9/75

POSITION 49-40.0N 132-40.0W

GMT 15.3

RESULTS OF XBT CAST 144 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 14.13 | 165 | 6.42 | 332 | 4.85 |
| 3 | 13.83 | 175 | 6.37 | 337 | 4.79 |
| 10 | 13.88 | 181 | 6.25 | 340 | 4.74 |
| 16 | 13.83 | 190 | 6.15 | 344 | 4.74 |
| 28 | 13.77 | 196 | 6.05 | 349 | 4.74 |
| 33 | 13.67 | 201 | 5.99 | 354 | 4.68 |
| 35 | 13.52 | 208 | 5.94 | 357 | 4.68 |
| 36 | 13.26 | 213 | 5.88 | 360 | 4.65 |
| 37 | 13.11 | 220 | 5.88 | 366 | 4.57 |
| 38 | 12.86 | 226 | 5.88 | 371 | 4.57 |
| 39 | 12.70 | 230 | 5.77 | 379 | 4.52 |
| 41 | 12.34 | 234 | 5.83 | 389 | 4.52 |
| 42 | 11.98 | 239 | 5.77 | 398 | 4.46 |
| 43 | 11.16 | 245 | 5.72 | 405 | 4.46 |
| 44 | 10.95 | 250 | 5.72 | 411 | 4.41 |
| 46 | 10.23 | 252 | 5.72 | 418 | 4.41 |
| 47 | 10.02 | 255 | 5.67 | 423 | 4.35 |
| 48 | 9.86 | 256 | 5.61 | 430 | 4.35 |
| 49 | 9.66 | 257 | 5.56 | 434 | 4.35 |
| 50 | 9.24 | 259 | 5.56 | 438 | 4.35 |
| 51 | 9.03 | 261 | 5.61 | 442 | 4.30 |
| 53 | 8.87 | 263 | 5.50 | 448 | 4.30 |
| 55 | 8.66 | 266 | 5.50 | 452 | 4.35 |
| 57 | 8.45 | 269 | 5.39 | 459 | 4.35 |
| 59 | 8.24 | 271 | 5.34 | 471 | 4.30 |
| 61 | 7.92 | 274 | 5.34 | 485 | 4.30 |
| 62 | 7.71 | 275 | 5.23 | 501 | 4.30 |
| 66 | 7.65 | 278 | 5.23 | 516 | 4.24 |
| 68 | 7.44 | 279 | 5.12 | 534 | 4.18 |
| 76 | 7.34 | 283 | 5.01 | 552 | 4.13 |
| 75 | 7.25 | 285 | 5.01 | 562 | 4.13 |
| 79 | 7.07 | 286 | 5.01 | 573 | 4.07 |
| 84 | 6.91 | 288 | 5.07 | 585 | 4.02 |
| 67 | 6.75 | 290 | 5.12 | 592 | 4.07 |
| 93 | 6.59 | 293 | 5.07 | 600 | 4.02 |
| 99 | 6.46 | 296 | 4.96 | 606 | 3.96 |
| 102 | 6.42 | 298 | 4.90 | 620 | 3.96 |
| 105 | 6.37 | 300 | 4.96 | 631 | 3.91 |
| 107 | 6.37 | 303 | 4.90 | 647 | 3.85 |
| 116 | 6.32 | 304 | 4.85 | 659 | 3.91 |
| 120 | 6.26 | 306 | 4.85 | 671 | 3.85 |
| 124 | 6.26 | 310 | 4.79 | 684 | 3.85 |
| 133 | 6.21 | 312 | 4.90 | 690 | 3.80 |
| 140 | 6.21 | 315 | 4.96 | 703 | 3.74 |
| 144 | 6.26 | 317 | 4.90 | 712 | 3.74 |
| 147 | 6.26 | 323 | 4.90 | 722 | 3.74 |
| 153 | 6.48 | 325 | 4.85 | 732 | 3.74 |
| 158 | 6.46 | 328 | 4.90 | 741 | 3.68 |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 85

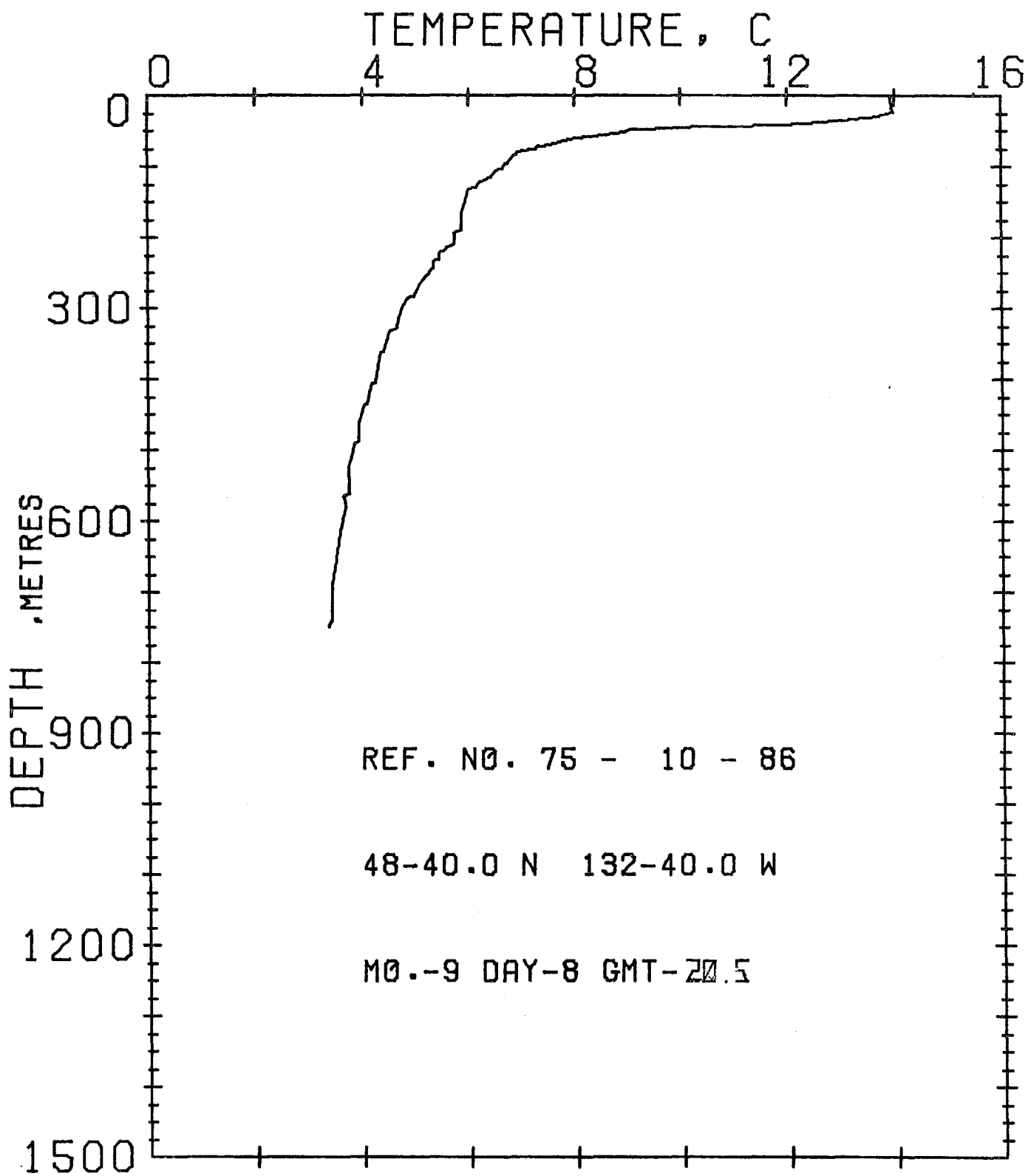
DATE 8/ 9/75

POSITION 49-10.0N 132-40.0W

GMT 18.2

RESULTS OF XBT CAST 133 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 0 | 14.03 | 95 | 6.64 | 295 | 4.85 |
| 4 | 14.03 | 98 | 6.59 | 299 | 4.85 |
| 5 | 14.33 | 99 | 6.53 | 303 | 4.79 |
| 9 | 14.36 | 101 | 6.42 | 306 | 4.79 |
| 13 | 14.28 | 106 | 6.37 | 310 | 4.74 |
| 15 | 14.33 | 110 | 6.32 | 312 | 4.74 |
| 17 | 14.33 | 114 | 6.26 | 315 | 4.68 |
| 19 | 14.28 | 118 | 6.21 | 318 | 4.68 |
| 20 | 14.13 | 119 | 6.15 | 320 | 4.65 |
| 21 | 13.47 | 121 | 6.15 | 333 | 4.52 |
| 22 | 13.01 | 126 | 6.15 | 343 | 4.46 |
| 23 | 12.65 | 131 | 6.15 | 356 | 4.35 |
| 24 | 12.34 | 137 | 6.10 | 366 | 4.35 |
| 30 | 12.14 | 140 | 6.15 | 379 | 4.30 |
| 31 | 11.78 | 146 | 6.10 | 393 | 4.30 |
| 32 | 11.21 | 149 | 6.10 | 406 | 4.24 |
| 34 | 10.54 | 153 | 6.10 | 409 | 4.16 |
| 36 | 10.33 | 159 | 6.05 | 426 | 4.13 |
| 38 | 9.76 | 166 | 5.99 | 444 | 4.13 |
| 40 | 9.19 | 172 | 5.99 | 459 | 4.07 |
| 42 | 9.03 | 176 | 5.94 | 470 | 4.07 |
| 45 | 8.77 | 182 | 5.94 | 475 | 4.07 |
| 46 | 8.34 | 188 | 5.88 | 482 | 4.07 |
| 47 | 8.24 | 193 | 5.83 | 484 | 4.02 |
| 48 | 7.81 | 199 | 5.77 | 487 | 3.96 |
| 49 | 7.87 | 210 | 5.67 | 498 | 4.02 |
| 52 | 7.81 | 221 | 5.61 | 513 | 4.02 |
| 54 | 7.76 | 237 | 5.45 | 529 | 3.96 |
| 56 | 7.71 | 242 | 5.39 | 543 | 3.91 |
| 57 | 7.65 | 245 | 5.39 | 556 | 3.91 |
| 59 | 7.60 | 248 | 5.34 | 563 | 3.85 |
| 60 | 7.55 | 252 | 5.34 | 585 | 3.80 |
| 62 | 7.50 | 255 | 5.28 | 612 | 3.80 |
| 65 | 7.44 | 257 | 5.28 | 627 | 3.74 |
| 68 | 7.34 | 261 | 5.23 | 641 | 3.66 |
| 71 | 7.12 | 265 | 5.23 | 662 | 3.66 |
| 74 | 7.12 | 267 | 5.18 | 681 | 3.65 |
| 76 | 7.01 | 270 | 5.12 | 694 | 3.65 |
| 76 | 7.01 | 273 | 5.12 | 703 | 3.65 |
| 80 | 6.96 | 277 | 5.07 | 713 | 3.57 |
| 83 | 6.91 | 280 | 5.01 | 724 | 3.57 |
| 87 | 6.85 | 284 | 5.01 | 735 | 3.57 |
| 89 | 6.85 | 288 | 4.96 | 739 | 3.57 |
| 93 | 6.75 | 289 | 4.96 | 745 | 3.52 |
| 94 | 6.69 | | | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 86

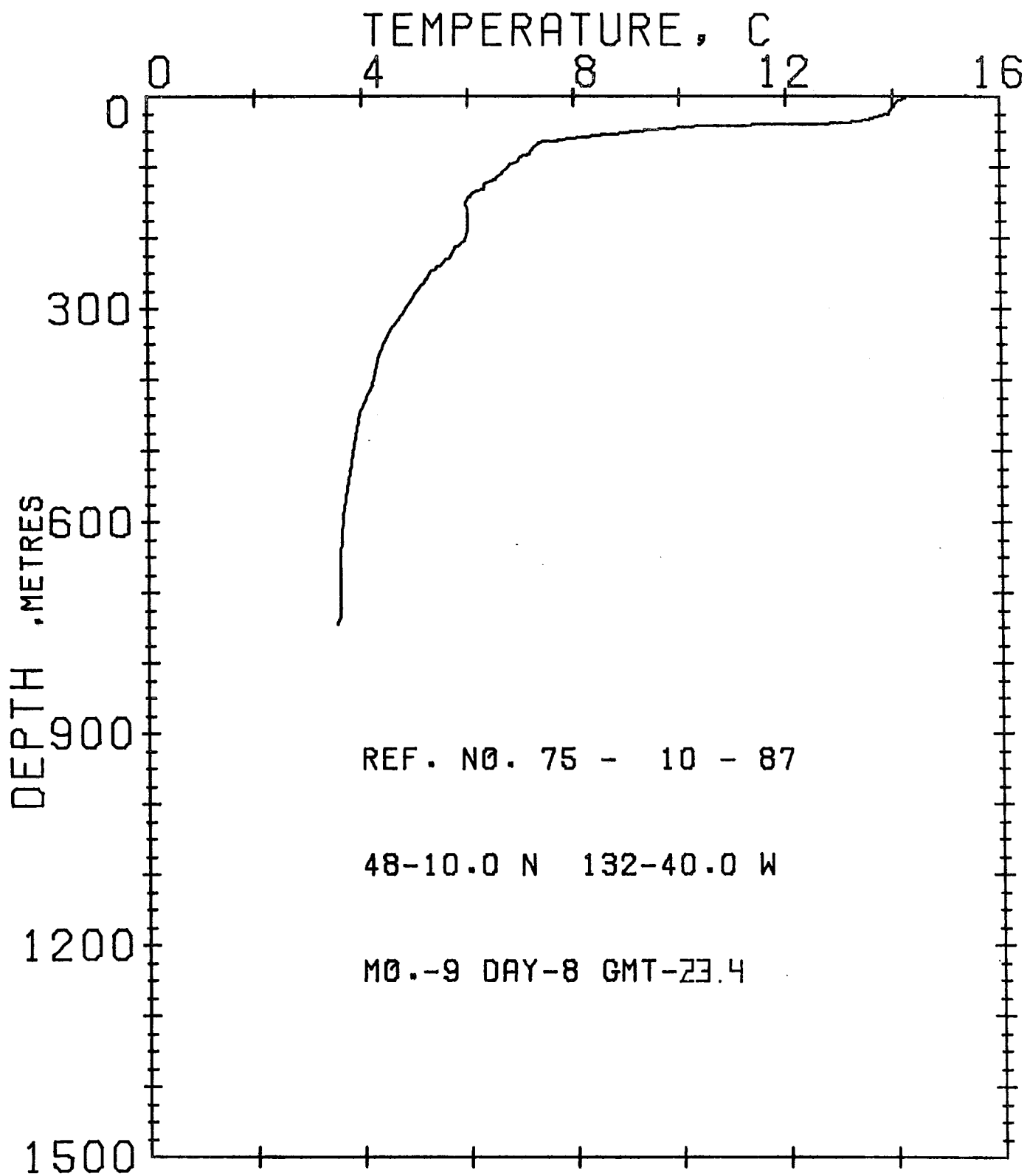
DATE 8/ 9/75

POSITION 48-40.0N 132-40.0W

GMT 20.5

RESULTS OF XBT CAST 80 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 2 | 13.93 | 106 | 6.53 | 382 | 4.30 |
| 12 | 13.93 | 116 | 6.42 | 405 | 4.24 |
| 13 | 13.98 | 123 | 6.21 | 407 | 4.18 |
| 19 | 13.93 | 130 | 6.15 | 436 | 4.07 |
| 24 | 13.90 | 132 | 5.99 | 438 | 4.02 |
| 26 | 13.83 | 150 | 5.94 | 460 | 3.96 |
| 30 | 13.72 | 169 | 5.88 | 463 | 3.91 |
| 35 | 13.01 | 189 | 5.88 | 488 | 3.91 |
| 38 | 12.55 | 194 | 5.72 | 491 | 3.85 |
| 40 | 12.45 | 209 | 5.72 | 511 | 3.80 |
| 44 | 11.01 | 216 | 5.56 | 523 | 3.74 |
| 45 | 10.44 | 224 | 5.45 | 550 | 3.74 |
| 46 | 10.02 | 232 | 5.45 | 562 | 3.74 |
| 49 | 9.08 | 233 | 5.34 | 566 | 3.63 |
| 52 | 8.98 | 245 | 5.34 | 579 | 3.60 |
| 53 | 8.77 | 258 | 5.18 | 598 | 3.63 |
| 56 | 8.61 | 269 | 5.07 | 616 | 3.57 |
| 59 | 8.03 | 285 | 4.96 | 644 | 3.52 |
| 71 | 7.44 | 286 | 4.85 | 645 | 3.52 |
| 73 | 7.34 | 295 | 4.79 | 666 | 3.40 |
| 75 | 7.28 | 301 | 4.74 | 691 | 3.41 |
| 78 | 7.01 | 315 | 4.68 | 710 | 3.41 |
| 84 | 6.91 | 327 | 4.63 | 729 | 3.41 |
| 85 | 6.85 | 333 | 4.52 | 741 | 3.41 |
| 95 | 6.75 | 348 | 4.46 | 748 | 3.35 |
| 97 | 6.69 | 361 | 4.41 | 749 | 3.35 |
| 104 | 6.64 | 362 | 4.35 | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 67

DATE 8/ 9/75

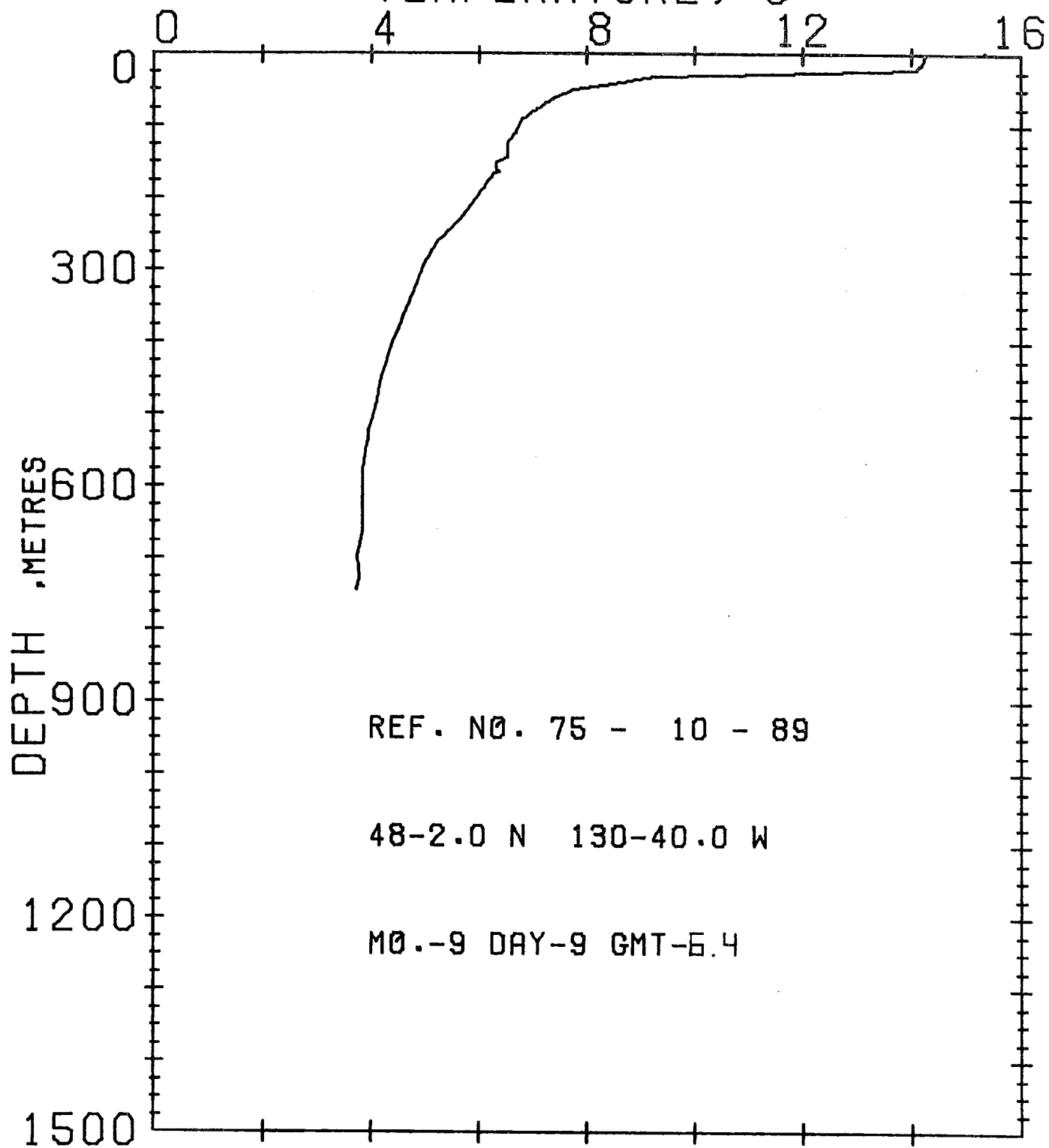
POSITION 48-10.0N 132-40.0W

GMT 23.4

RESULTS OF XBT CAST 64 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 14.23 | 62 | 7.76 | 214 | 5.77 |
| 5 | 14.18 | 63 | 7.71 | 226 | 5.67 |
| 10 | 14.08 | 65 | 7.44 | 243 | 5.39 |
| 15 | 14.03 | 69 | 7.34 | 249 | 5.28 |
| 20 | 13.98 | 75 | 7.23 | 258 | 5.23 |
| 25 | 13.93 | 82 | 7.18 | 278 | 5.01 |
| 29 | 13.77 | 84 | 7.12 | 303 | 4.79 |
| 32 | 13.62 | 87 | 7.01 | 327 | 4.57 |
| 36 | 13.42 | 92 | 6.96 | 349 | 4.41 |
| 38 | 13.06 | 98 | 6.80 | 373 | 4.30 |
| 39 | 12.55 | 109 | 6.64 | 408 | 4.16 |
| 40 | 11.78 | 118 | 6.53 | 448 | 3.96 |
| 42 | 10.90 | 124 | 6.32 | 492 | 3.85 |
| 43 | 10.38 | 131 | 6.32 | 518 | 3.80 |
| 44 | 10.23 | 135 | 6.15 | 567 | 3.68 |
| 45 | 10.18 | 142 | 6.05 | 593 | 3.63 |
| 46 | 9.76 | 144 | 5.99 | 653 | 3.57 |
| 51 | 9.19 | 154 | 5.94 | 689 | 3.57 |
| 53 | 8.77 | 159 | 5.99 | 735 | 3.57 |
| 55 | 8.61 | 189 | 5.99 | 743 | 3.52 |
| 57 | 8.24 | 204 | 5.94 | 746 | 3.52 |
| 58 | 8.19 | | | | |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 59

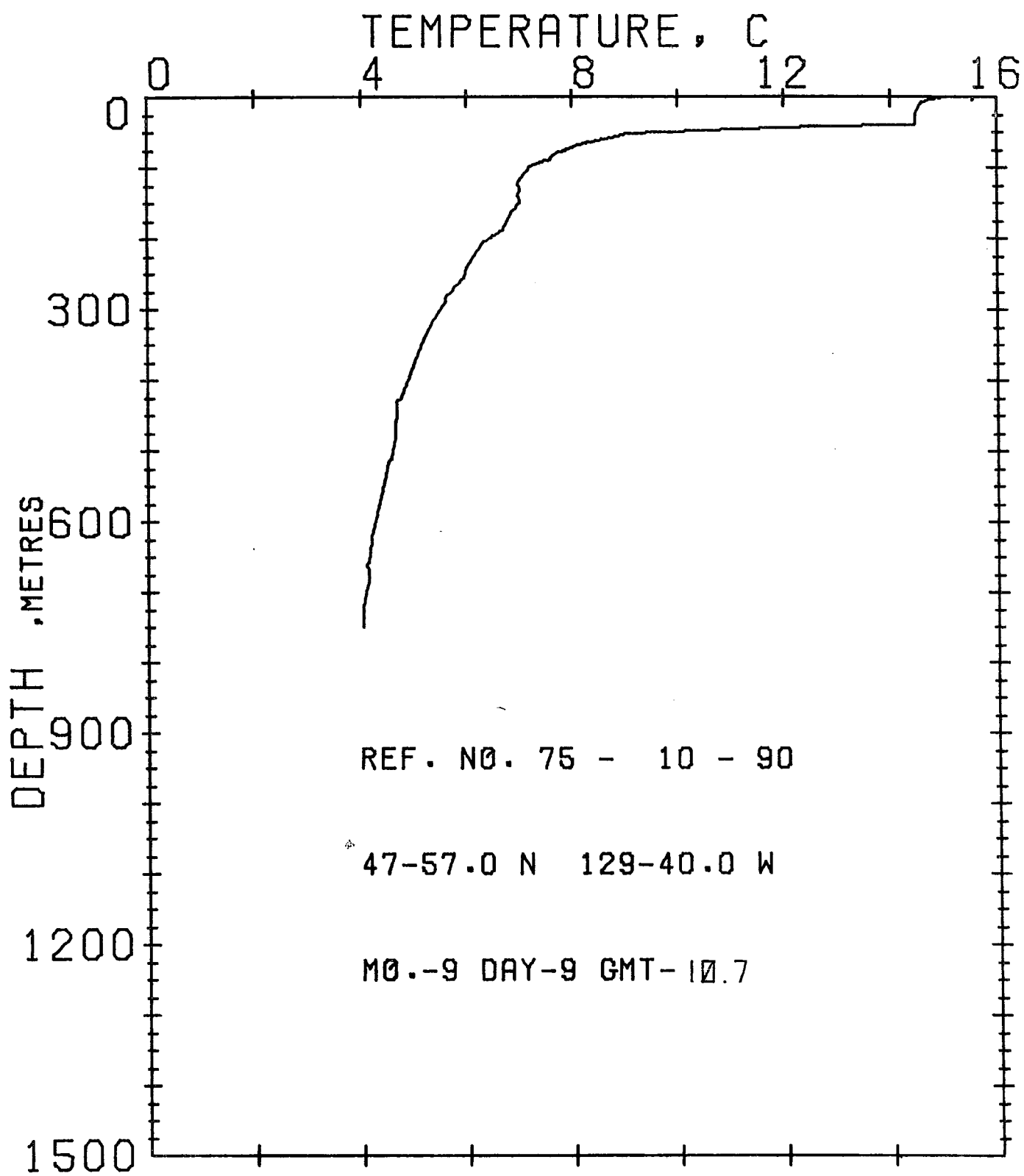
DATE 9/ 9/75

POSITION 48- 2.0N 130-40.0W

GMT 6.4

RESULTS OF XBT CAST 42 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 14.28 | 109 | 6.69 | 355 | 4.65 |
| 7 | 14.23 | 123 | 6.53 | 382 | 4.52 |
| 15 | 14.18 | 132 | 6.53 | 400 | 4.41 |
| 17 | 14.18 | 144 | 6.53 | 451 | 4.18 |
| 19 | 14.13 | 151 | 6.32 | 491 | 4.07 |
| 21 | 14.08 | 158 | 6.32 | 524 | 3.96 |
| 24 | 13.21 | 162 | 6.32 | 536 | 3.96 |
| 30 | 10.44 | 164 | 6.37 | 540 | 3.91 |
| 33 | 9.24 | 167 | 6.26 | 580 | 3.85 |
| 41 | 8.50 | 197 | 5.99 | 628 | 3.85 |
| 50 | 7.76 | 229 | 5.67 | 664 | 3.85 |
| 62 | 7.39 | 262 | 5.23 | 700 | 3.74 |
| 77 | 7.07 | 297 | 4.96 | 728 | 3.80 |
| 93 | 6.80 | 329 | 4.79 | 743 | 3.74 |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 90

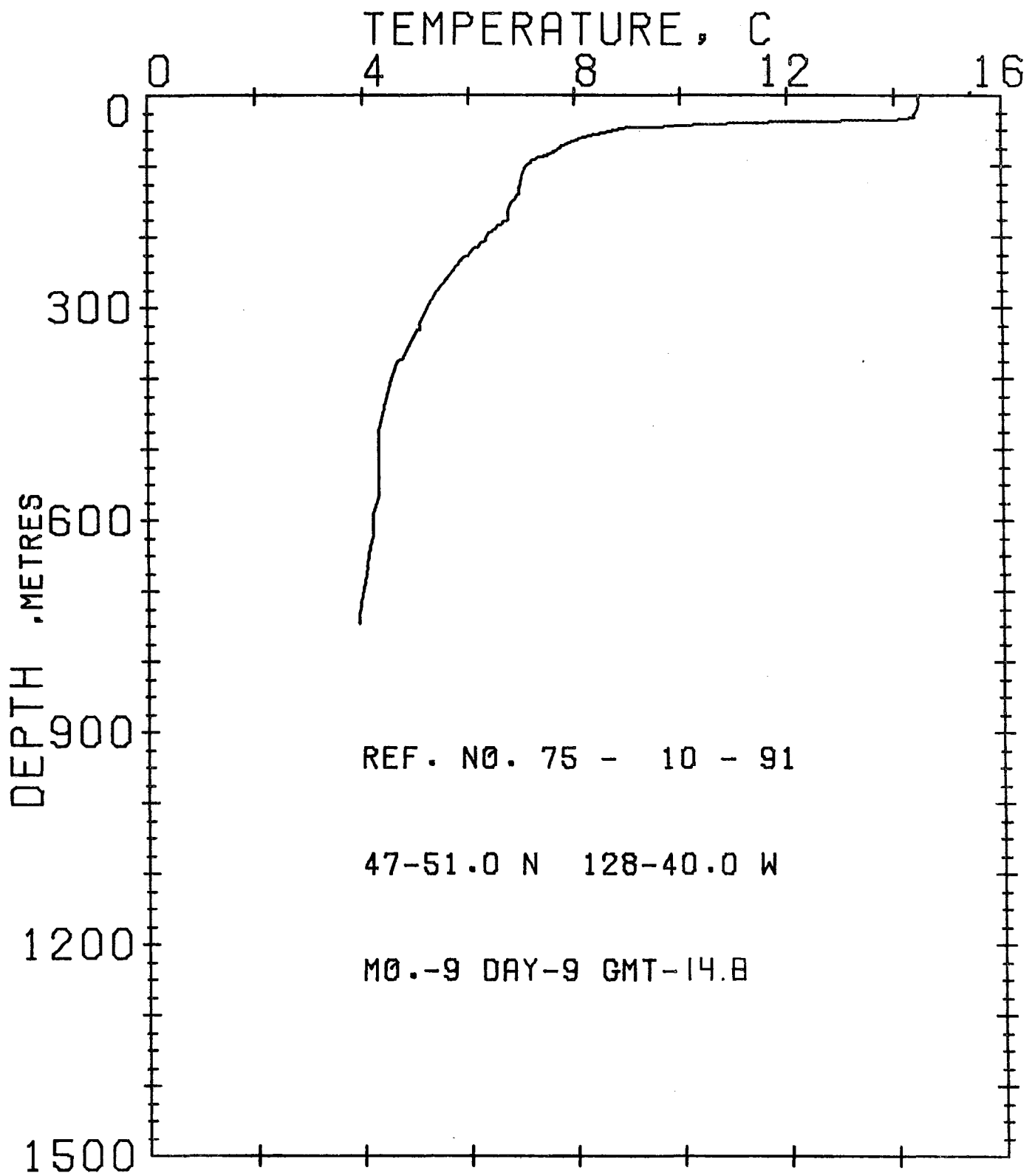
DATE 9/ 9/75

POSITION 47-57.0N 129-40.0W

GMT 10.7

RESULTS OF XBT CAST 59 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 14.94 | 123 | 6.96 | 430 | 4.68 |
| 3 | 14.74 | 130 | 7.01 | 481 | 4.63 |
| 10 | 14.59 | 135 | 7.01 | 513 | 4.57 |
| 17 | 14.54 | 139 | 6.96 | 516 | 4.52 |
| 27 | 14.49 | 147 | 7.01 | 557 | 4.41 |
| 32 | 14.49 | 150 | 7.01 | 590 | 4.30 |
| 37 | 14.49 | 164 | 6.85 | 605 | 4.24 |
| 39 | 14.44 | 167 | 6.69 | 623 | 4.18 |
| 40 | 14.28 | 207 | 6.32 | 627 | 4.18 |
| 43 | 12.70 | 224 | 6.15 | 658 | 4.13 |
| 48 | 10.44 | 242 | 5.99 | 661 | 4.07 |
| 52 | 9.08 | 256 | 5.94 | 664 | 4.07 |
| 54 | 8.96 | 262 | 5.88 | 667 | 4.13 |
| 67 | 8.13 | 285 | 5.61 | 684 | 4.13 |
| 76 | 7.87 | 291 | 5.61 | 703 | 4.07 |
| 80 | 7.71 | 320 | 5.34 | 723 | 4.02 |
| 88 | 7.60 | 345 | 5.18 | 739 | 4.02 |
| 93 | 7.44 | 374 | 5.01 | 746 | 4.02 |
| 98 | 7.23 | 407 | 4.85 | 749 | 4.02 |
| 117 | 7.01 | 426 | 4.74 | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 91

DATE 9/ 9/75

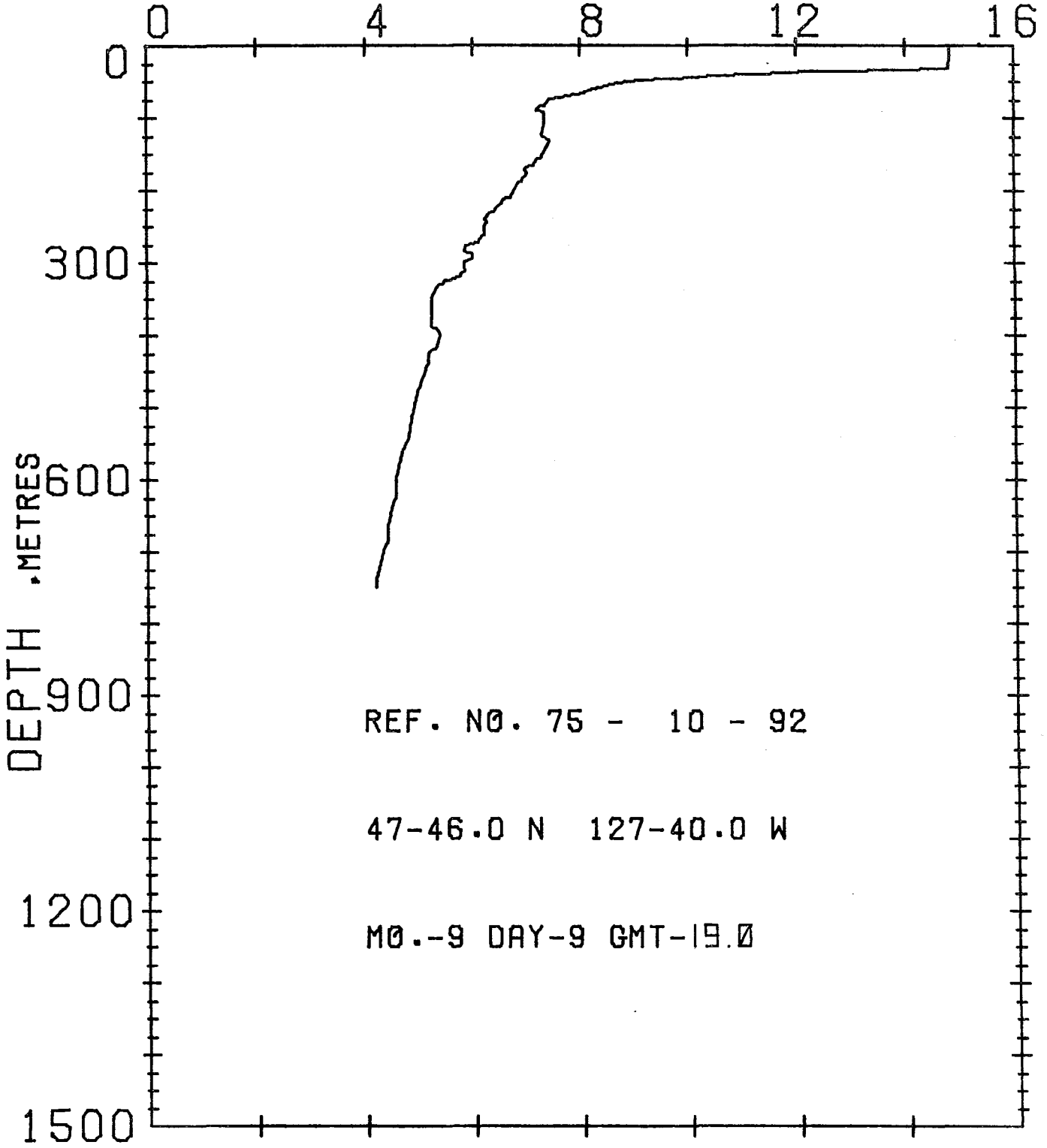
POSITION 47-51.0N 120-40.0W

GMT 14.8

RESULTS OF XBT CAST 56 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 2 | 14.49 | 95 | 7.18 | 324 | 5.07 |
| 7 | 14.44 | 105 | 7.07 | 331 | 5.07 |
| 13 | 14.49 | 116 | 7.01 | 335 | 5.01 |
| 20 | 14.44 | 131 | 6.96 | 372 | 4.74 |
| 28 | 14.38 | 141 | 6.96 | 377 | 4.63 |
| 33 | 14.36 | 154 | 6.80 | 409 | 4.52 |
| 36 | 13.98 | 165 | 6.75 | 441 | 4.41 |
| 38 | 12.09 | 170 | 6.75 | 477 | 4.30 |
| 42 | 10.49 | 176 | 6.75 | 528 | 4.30 |
| 46 | 9.45 | 181 | 6.64 | 568 | 4.30 |
| 47 | 9.03 | 187 | 6.53 | 591 | 4.18 |
| 48 | 8.92 | 196 | 6.37 | 624 | 4.18 |
| 55 | 8.55 | 206 | 6.32 | 639 | 4.13 |
| 61 | 8.19 | 213 | 6.21 | 665 | 4.07 |
| 68 | 7.92 | 223 | 6.05 | 687 | 4.02 |
| 74 | 7.76 | 235 | 5.88 | 717 | 3.96 |
| 82 | 7.60 | 259 | 5.61 | 737 | 3.91 |
| 86 | 7.50 | 280 | 5.39 | 746 | 3.91 |
| 91 | 7.28 | 301 | 5.23 | | |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 92

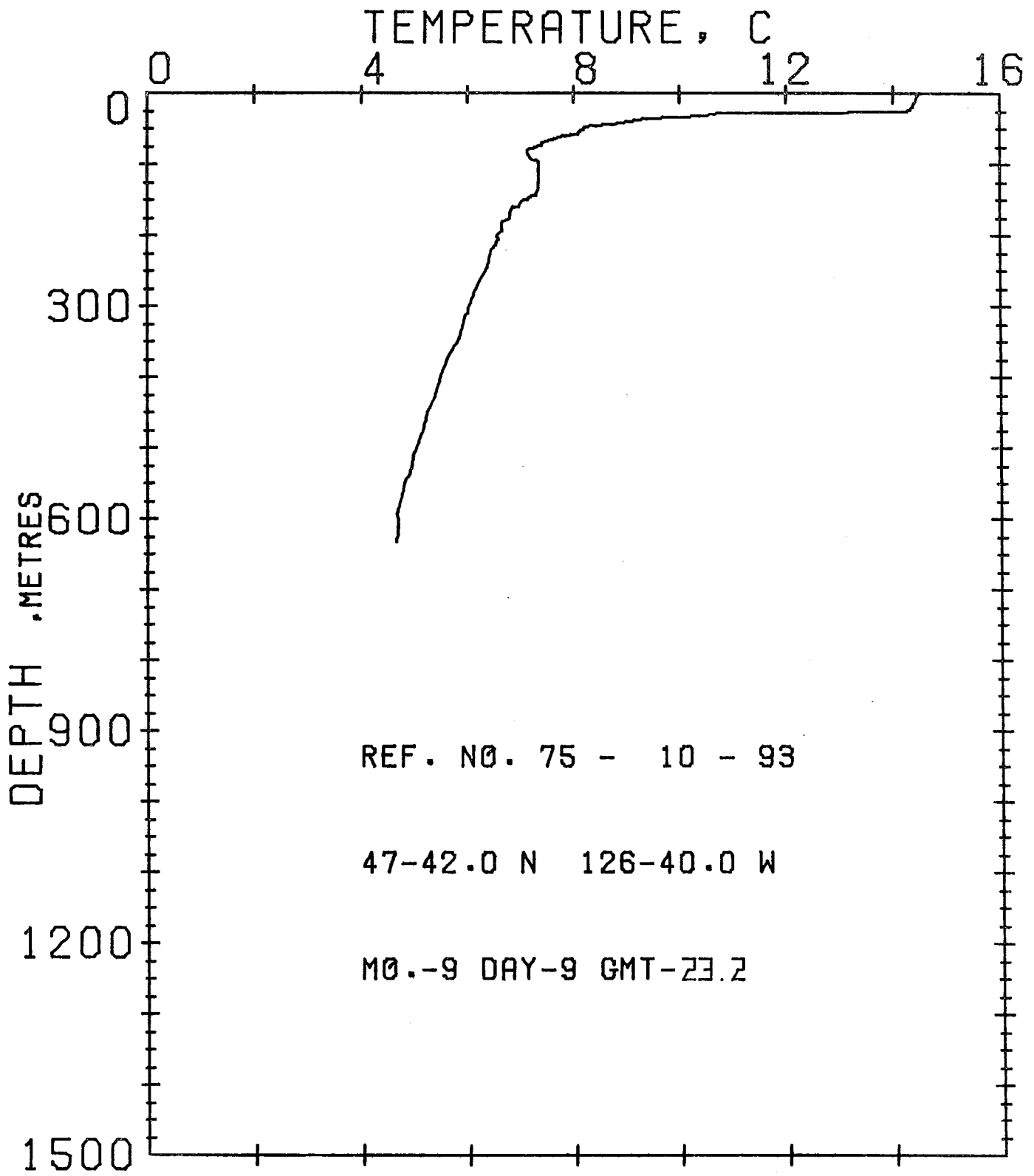
DATE 9/ 9/75

POSITION 47-46.0N 127-40.0W

GMT 19.0

RESULTS OF XBT CAST 62 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 14.84 | 165 | 7.12 | 321 | 5.67 |
| 7 | 14.84 | 167 | 7.01 | 324 | 5.50 |
| 19 | 14.84 | 172 | 6.96 | 327 | 5.46 |
| 28 | 14.79 | 175 | 7.01 | 334 | 5.34 |
| 32 | 14.79 | 187 | 6.91 | 348 | 5.23 |
| 33 | 14.74 | 190 | 6.85 | 366 | 5.23 |
| 35 | 12.86 | 204 | 6.75 | 381 | 5.23 |
| 36 | 12.24 | 209 | 6.69 | 389 | 5.23 |
| 38 | 11.86 | 212 | 6.59 | 394 | 5.34 |
| 42 | 10.54 | 218 | 6.53 | 401 | 5.39 |
| 45 | 10.18 | 225 | 6.42 | 416 | 5.34 |
| 48 | 9.13 | 236 | 6.26 | 425 | 5.16 |
| 52 | 8.71 | 240 | 6.21 | 439 | 5.16 |
| 62 | 8.19 | 245 | 6.26 | 447 | 5.12 |
| 66 | 8.08 | 251 | 6.21 | 479 | 4.96 |
| 72 | 7.65 | 257 | 6.21 | 516 | 4.85 |
| 74 | 7.44 | 261 | 6.21 | 542 | 4.79 |
| 84 | 7.34 | 265 | 6.15 | 565 | 4.66 |
| 86 | 7.23 | 271 | 6.10 | 600 | 4.57 |
| 91 | 7.18 | 275 | 5.88 | 626 | 4.57 |
| 93 | 7.34 | 283 | 5.83 | 632 | 4.52 |
| 108 | 7.34 | 287 | 5.99 | 666 | 4.41 |
| 110 | 7.34 | 295 | 5.99 | 689 | 4.41 |
| 124 | 7.28 | 300 | 5.83 | 693 | 4.35 |
| 132 | 7.44 | 307 | 5.83 | 723 | 4.24 |
| 141 | 7.39 | 313 | 5.83 | 741 | 4.16 |
| 155 | 7.28 | 318 | 5.77 | 749 | 4.16 |
| 160 | 7.16 | | | | |



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 93

DATE 9/ 9/75

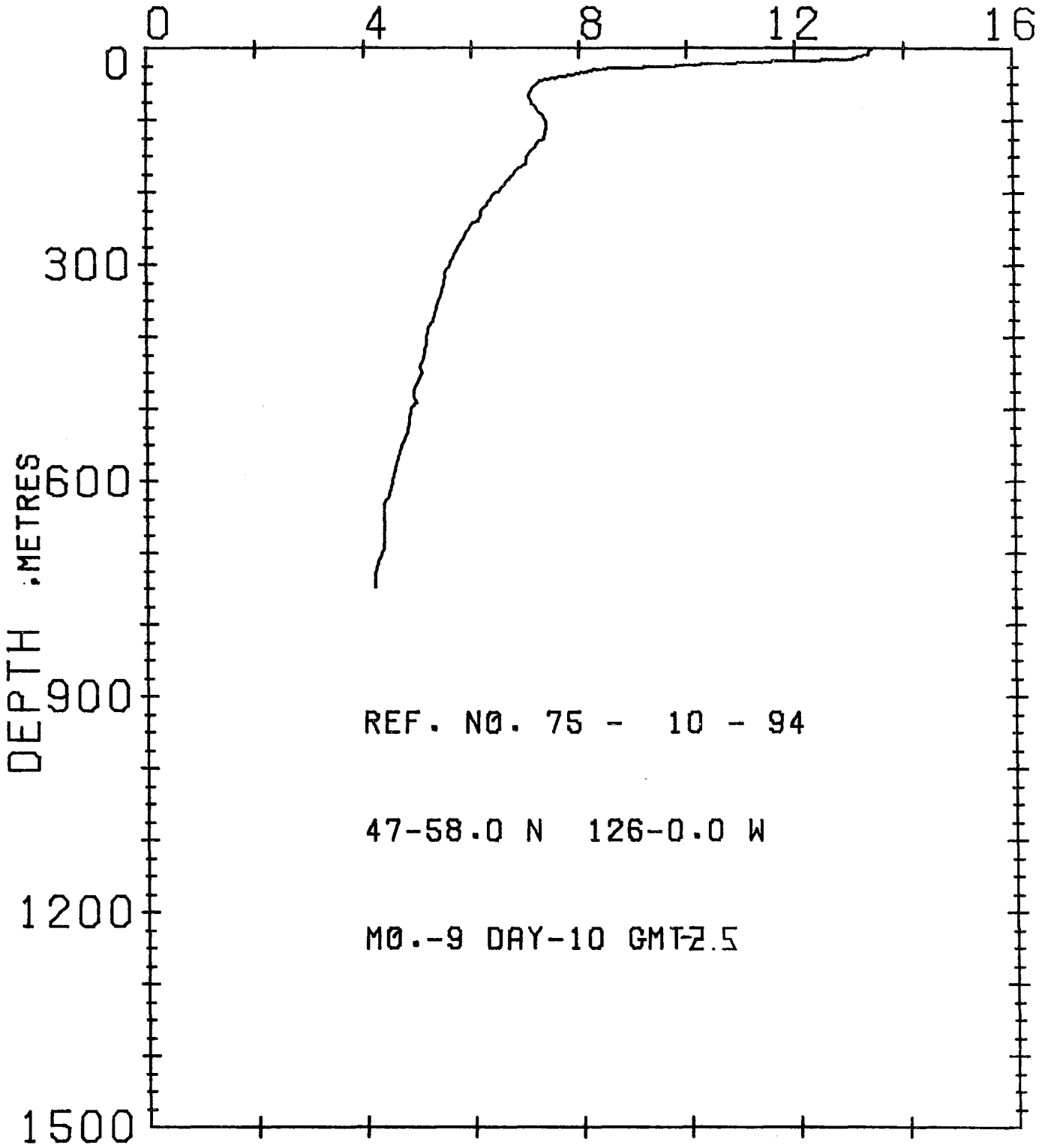
POSITION 47-42.0N 126-40.0W

GMT 23.2

RESULTS OF XBT CAST 66 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 2 | 14.49 | 93 | 7.18 | 222 | 6.42 |
| 4 | 14.44 | 97 | 7.34 | 247 | 6.37 |
| 20 | 14.38 | 109 | 7.34 | 265 | 6.21 |
| 23 | 14.33 | 120 | 7.34 | 285 | 6.10 |
| 25 | 14.23 | 135 | 7.34 | 303 | 5.99 |
| 28 | 12.09 | 143 | 7.28 | 309 | 5.99 |
| 29 | 10.75 | 146 | 7.18 | 314 | 5.94 |
| 32 | 10.49 | 150 | 7.12 | 347 | 5.83 |
| 36 | 9.39 | 152 | 7.01 | 376 | 5.61 |
| 44 | 8.71 | 159 | 6.96 | 398 | 5.50 |
| 47 | 8.40 | 161 | 6.85 | 425 | 5.39 |
| 49 | 8.24 | 167 | 6.80 | 450 | 5.23 |
| 52 | 8.19 | 171 | 6.80 | 471 | 5.10 |
| 55 | 8.13 | 175 | 6.80 | 491 | 5.07 |
| 57 | 8.08 | 183 | 6.64 | 513 | 4.96 |
| 59 | 7.81 | 187 | 6.64 | 535 | 4.90 |
| 68 | 7.50 | 193 | 6.64 | 548 | 4.79 |
| 72 | 7.39 | 202 | 6.53 | 569 | 4.74 |
| 74 | 7.39 | 207 | 6.59 | 595 | 4.63 |
| 76 | 7.23 | 210 | 6.53 | 603 | 4.60 |
| 80 | 7.12 | 214 | 6.53 | 622 | 4.60 |
| 85 | 7.12 | 218 | 6.48 | 631 | 4.63 |

TEMPERATURE, C



OFFSHORE OCEANOGRAPHY

REFERENCE NO. 75- 10- 94

DATE 10/ 9/75

POSITION 47-58.0N 126- 0.0W

GMT 2.5

RESULTS OF XBT CAST

66 POINTS TAKEN FROM ANALOG TRACE

| DEPTH | TEMP | DEPTH | TEMP | DEPTH | TEMP |
|-------|-------|-------|------|-------|------|
| 1 | 13.42 | 125 | 7.34 | 435 | 5.07 |
| 3 | 13.37 | 133 | 7.23 | 441 | 5.01 |
| 8 | 13.37 | 152 | 7.01 | 449 | 5.07 |
| 10 | 13.32 | 159 | 7.01 | 458 | 5.01 |
| 12 | 13.21 | 168 | 6.85 | 473 | 4.90 |
| 13 | 13.11 | 182 | 6.69 | 484 | 4.90 |
| 15 | 13.06 | 195 | 6.53 | 492 | 4.90 |
| 19 | 11.85 | 207 | 6.37 | 496 | 4.90 |
| 23 | 9.97 | 218 | 6.26 | 500 | 4.85 |
| 25 | 9.60 | 226 | 6.15 | 533 | 4.79 |
| 29 | 8.77 | 231 | 6.15 | 552 | 4.68 |
| 30 | 8.34 | 240 | 6.10 | 584 | 4.57 |
| 32 | 8.24 | 244 | 5.99 | 602 | 4.52 |
| 37 | 7.87 | 278 | 5.72 | 620 | 4.46 |
| 42 | 7.55 | 299 | 5.61 | 632 | 4.35 |
| 46 | 7.23 | 312 | 5.50 | 655 | 4.35 |
| 58 | 7.12 | 317 | 5.50 | 677 | 4.35 |
| 68 | 7.07 | 338 | 5.45 | 694 | 4.35 |
| 77 | 7.12 | 359 | 5.34 | 715 | 4.24 |
| 95 | 7.34 | 377 | 5.28 | 730 | 4.18 |
| 106 | 7.39 | 387 | 5.18 | 741 | 4.18 |
| 112 | 7.39 | 424 | 5.12 | 747 | 4.15 |

THIS PAGE IS BLANK

SURFACE SALINITY AND TEMPERATURE OBSERVATIONS

SURFACE TEMPERATURE AND SALINITY OBSERVATIONS

| <u>Stn.No.</u> | <u>Lat. (°N)</u> | <u>Long. (°W)</u> | <u>DATE</u> | <u>TIME</u> | <u>TEMP. °C</u> <u>(bucket)</u> | <u>SAL. ‰</u> <u>(bucket)</u> | <u>SAL. ‰</u> <u>(loop)</u> |
|----------------|------------------|-------------------|-------------|-------------|------------------------------------|----------------------------------|--------------------------------|
| 1 | 48° 33' | 125° 33' | 19-08-75 | 1600 | 12.8 | 31.132 | 31.098 |
| 2 | 48° 38' | 126° 00' | 19-08 | 1920 | 13.8 | 32.029 | 32.026 |
| 3 | 48° 42' | 126° 40' | 19-08 | 2200 | 13.5 | 32.114 | 32.097 |
| 4 | 48° 46' | 127° 40' | 20-08 | 0700 | 14.2 | 32.123 | 32.127 |
| 5 | 48° 51' | 128° 40' | 20-08 | 1145 | 15.0 | 32.198 | 32.223 |
| 5A | 48° 57' | 129° 40' | 20-08 | 1650 | 14.5 | - | 32.115 |
| 6 | 49° 02' | 130° 40' | 20-08 | 2055 | 14.2 | 32.123 | 32.118 |
| 6A | 49° 06' | 131° 40' | 21-08 | 0334 | 13.7 | - | 32.316 |
| 7 | 49° 10' | 132° 40' | 21-08 | 0720 | 13.7 | 32.086 | 32.076 |
| 7A | 49° 14' | 133° 40' | 21-08 | 1148 | - | - | 32.285 |
| 8 | 49° 17' | 134° 40' | 21-08 | 1550 | 12.8 | 32.403 | 32.399 |
| 8A | 49° 21' | 135° 40' | 21-08 | 2030 | 13.5 | 32.367 | 32.349 |
| 9 | 49° 26' | 136° 40' | 22-08 | 0015 | 12.8 | 32.281 | 32.367 |
| 9A | 49° 30' | 137° 40' | 22-08 | 0430 | 12.5 | - | 32.341 |
| 10 | 49° 34' | 138° 40' | 22-08 | 0815 | 12.5 | 32.382 | 32.386 |
| 10A | 49° 38' | 139° 40' | 22-08 | 1423 | 12.0 | - | 32.487 |
| 11 | 49° 41' | 140° 40' | 22-08 | 2210 | 11.7 | 32.481 | 32.485 |
| 11A | 49° 45' | 141° 40' | 23-08 | 0225 | 11.8 | - | 32.489 |
| 12 | 49° 49' | 142° 40' | 23-08 | 0615 | 11.4 | 32.512 | 32.508 |
| 12A | 49° 55' | 143° 40' | 23-08 | 1030 | 11.9 | 32.519 | - |
| P | 50° 00' | 145° 00' | 23-08 | 1545 | 11.2 | 32.535 | 32.537 |
| 13 | 51° 00' | 145° 00' | 24-08 | 0118 | 11.1 | - | 32.518 |
| 14 | 52° 00' | 145° 00' | 24-08 | 0600 | 10.8 | 32.549 | 32.550 |
| 15 | 51° 55' | 143° 40' | 24-08 | 1100 | 10.8 | 32.547 | 32.545 |
| 16 | 51° 49' | 142° 40' | 24-08 | 1430 | 10.7 | 32.590 | 32.574 |
| 17 | 51° 45' | 141° 40' | 24-08 | 1835 | 11.0 | - | 32.534 |
| 18 | 51° 41' | 140° 40' | 24-08 | 2140 | 11.2 | 32.532 | 32.528 |
| 19 | 51° 38' | 139° 40' | 25-08 | 0150 | 11.8 | - | 32.497 |
| 20 | 51° 34' | 138° 40' | 25-08 | 0630 | 11.8 | 32.364 | 32.364 |
| 21 | 51° 30' | 137° 40' | 25-08 | 1020 | 12.4 | 32.289 | 32.280 |
| 22 | 51° 26' | 136° 40' | 25-08 | 1330 | 12.4 | 32.369 | 32.359 |
| 23 | 51° 21' | 135° 40' | 25-08 | 1745 | 12.4 | - | 32.329 |
| 24 | 51° 17' | 134° 40' | 25-08 | 2125 | 12.6 | 32.312 | 32.301 |

SURFACE TEMPERATURE AND SALINITY OBSERVATIONS

| <u>Stn.No.</u> | <u>Lat. (°N)</u> | <u>Long. (°W)</u> | <u>DATE</u> | <u>TIME</u> | <u>TEMP. °C (bucket)</u> | <u>SAL. ‰ (bucket)</u> | <u>SAL. ‰ (loop)</u> |
|----------------|------------------|-------------------|-------------|-------------|------------------------------|----------------------------|--------------------------|
| 25 | 51° 14' | 133° 40' | 26-08-75 | 0115 | 13.0 | - | 32.179 |
| 26 | 51° 10' | 132° 40' | 26-08 | 0430 | 12.8 | 32.117 | 32.128 |
| 27 | 51° 36' | 131° 40' | 26-08 | 0906 | 13.2 | 32.079 | 32.102 |
| 28 | 51° 48' | 131° 07' | 26-08 | 1150 | 11.0 | 32.142 | 32.166 |
| 29 | 51° 24' | 130° 55' | 26-08 | 1505 | 11.5 | 32.172 | 32.174 |
| 30 | 51° 02' | 130° 40' | 26-08 | 1735 | 13.2 | 32.016 | 32.014 |
| 31 | 50° 31' | 129° 50' | 26-08 | 2235 | 13.7 | 32.044 | 32.031 |
| 32 | 49° 51' | 128° 40' | 27-08 | 0620 | 12.2 | 31.961 | 32.035 |
| 33 | 49° 17' | 127° 40' | 27-08 | 1210 | 12.8 | 32.078 | 32.067 |
| 3 | 48° 42' | 126° 40' | 27-08 | 1900 | 12.6 | 32.029 | 32.024 |
| 2 | 48° 38' | 126° 00' | 27-08 | 2155 | 12.1 | 31.991 | 32.000 |
| 1 | 48° 33' | 125° 33' | 28-08 | 0410 | 10.1 | 32.454 | 32.449 |
| 34 | 48° 03' | 125° 20' | 28-08 | 0725 | 12.2 | 31.882 | 31.885 |
| 32 | 49° 51' | 128° 40' | 30-08 | 1600 | 13.8 | 32.005 | 32.002 |
| 35 | 49° 57' | 129° 40' | 31-08 | 0754 | 13.9 | - | 32.102 |
| 36 | 50° 02' | 130° 40' | 31-08 | 1108 | 13.8 | 32.123 | 32.107 |
| 37 | 50° 06' | 131° 40' | 31-08 | 1535 | 13.6 | 32.231 | 32.227 |
| 38 | 50° 10' | 132° 40' | 31-08 | 1945 | 13.5 | 32.133 | 32.116 |
| 39 | 50° 14' | 133° 40' | 01-09 | 0003 | 13.2 | 32.136 | 32.131 |
| 40 | 50° 17' | 134° 40' | 01-09 | 0400 | 13.7 | 32.160 | 32.160 |
| 41 | 50° 21' | 135° 40' | 01-09 | 0755 | 12.7 | 32.357 | 32.343 |
| 42 | 50° 26' | 136° 40' | 01-09 | 1200 | 12.5 | 32.383 | 32.382 |
| 43 | 50° 30' | 137° 40' | 01-09 | 1644 | 12.3 | 32.459 | 32.458 |
| 44 | 50° 34' | 138° 40' | 01-09 | 2045 | 12.0 | 32.426 | 32.409 |
| 45 | 50° 38' | 139° 40' | 02-09 | 0135 | 11.6 | 32.504 | 32.501 |
| 46 | 50° 41' | 140° 40' | 02-09 | 0530 | 11.5 | 32.508 | 32.503 |
| 47 | 51° 11' | 140° 40' | 02-09 | | 11.5 | - | 32.473 |
| 18 | 51° 41' | 140° 40' | 02-09 | 1110 | 11.5 | 32.502 | 32.504 |
| 48 | 52° 11' | 140° 40' | 02-09 | 1419 | 11.1 | - | 32.584 |
| 49 | 52° 41' | 140° 40' | 02-09 | 1655 | 11.4 | 32.583 | 32.582 |
| 50 | 53° 11' | 140° 40' | 02-09 | 2002 | 11.4 | - | 32.614 |
| 51 | 53° 41' | 140° 40' | 02-09 | 2232 | 11.5 | 32.606 | 32.589 |

SURFACE TEMPERATURE AND SALINITY OBSERVATIONS

| <u>Stn.No.</u> | <u>Lat. (°N)</u> | <u>Long. (°W)</u> | <u>DATE</u> | <u>TIME</u> | <u>TEMP. °C</u> <u>(bucket)</u> | <u>SAL. ‰</u> <u>(bucket)</u> | <u>SAL. ‰</u> <u>(loop)</u> |
|----------------|------------------|-------------------|-------------|-------------|------------------------------------|----------------------------------|--------------------------------|
| 52 | 54° 11' | 140° 40' | 03-09-75 | 0138 | 11.9 | - | 32.471 |
| 53 | 54° 41' | 140° 40' | 03-09 | 0415 | 11.9 | 32.526 | 32.524 |
| 54 | 54° 41' | 139° 40' | 03-09 | 0733 | 11.6 | - | 32.446 |
| 55 | 54° 41' | 138° 40' | 03-09 | 1030 | 12.0 | 32.452 | 32.441 |
| 56 | 54° 41' | 137° 40' | 03-09 | 1417 | 12.0 | - | 32.449 |
| 57 | 54° 41' | 136° 40' | 03-09 | 1730 | 12.2 | 32.501 | 32.501 |
| 58 | 54° 41' | 135° 40' | 03-09 | 2055 | 12.3 | 32.464 | 32.457 |
| 59 | 54° 41' | 134° 40' | 04-09 | 0025 | 12.6 | 32.257 | 32.262 |
| 60 | 54° 41' | 134° 05' | 04-09 | 0250 | 11.7 | 31.378 | 31.355 |
| 61 | 54° 38' | 133° 29' | 04-09 | 0519 | 11.9 | 30.765 | 30.765 |
| 62 | 54° 20' | 133° 14' | 04-09 | 0725 | 12.5 | 32.231 | 32.216 |
| 63 | 53° 14' | 133° 40' | 05-09 | 1029 | 13.0 | 32.174 | 32.177 |
| 64 | 53° 17' | 134° 40' | 05-09 | 1510 | 12.4 | 32.289 | 32.287 |
| 65 | 53° 21' | 135° 40' | 05-09 | 1915 | 12.0 | - | 32.444 |
| 66 | 53° 26' | 136° 40' | 05-09 | 2220 | 12.2 | 32.281 | 32.281 |
| 67 | 53° 30' | 137° 40' | 06-09 | 0225 | 11.8 | - | 32.455 |
| 68 | 53° 34' | 138° 40' | 06-09 | 0554 | 11.7 | 32.458 | 32.458 |
| 69 | 53° 38' | 139° 40' | 06-09 | 1025 | 11.8 | - | 32.478 |
| 51 | 53° 41' | 140° 40' | 06-09 | 1425 | 10.8 | 32.585 | 32.583 |
| 70 | 53° 07' | 139° 40' | 06-09 | 1955 | 10.8 | 32.286 | - |
| 71 | 52° 34' | 138° 40' | 07-09 | 0010 | 11.5 | 32.499 | 32.501 |
| 72 | 52° 30' | 137° 40' | 07-09 | 0330 | 11.6 | 32.520 | 32.520 |
| 73 | 52° 26' | 136° 40' | 07-09 | 0655 | 12.1 | 32.325 | 32.326 |
| 74 | 52° 21' | 135° 40' | 07-09 | 1032 | 12.0 | 32.357 | 32.325 |
| 75 | 52° 17' | 134° 40' | 07-09 | 1415 | 12.4 | 32.289 | 32.287 |
| 76 | 52° 14' | 133° 40' | 07-09 | 1800 | 13.0 | 32.071 | 32.066 |
| 77 | 52° 10' | 132° 40' | 07-09 | 2310 | 13.2 | 32.138 | 32.132 |
| 78 | 51° 40' | 132° 40' | 08-09 | 0220 | 13.1 | 32.317 | 32.315 |
| 26 | 51° 10' | 132° 40' | 08-09 | 0520 | 13.2 | 32.163 | 32.163 |
| 79 | 50° 40' | 132° 40' | 08-09 | 0812 | 13.0 | 32.212 | 32.199 |
| 38 | 50° 10' | 132° 40' | 08-09 | 1110 | 13.2 | 32.109 | 32.106 |

SURFACE TEMPERATURE AND SALINITY OBSERVATIONS

| <u>Stn.No.</u> | <u>Lat. (°N)</u> | <u>Long. (°W)</u> | <u>DATE</u> | <u>TIME</u> | <u>TEMP. °C</u> <u>(bucket)</u> | <u>SAL. ‰</u> <u>(bucket)</u> | <u>SAL. ‰</u> <u>(loop)</u> |
|----------------|------------------|-------------------|-------------|-------------|------------------------------------|----------------------------------|--------------------------------|
| 7 | 49° 10' | 132° 40' | 08-09-75 | 1739 | 13.7 | 32.153 | 32.153 |
| 81 | 48° 40' | 132° 40' | 08-09 | 1958 | 13.9 | 32.299 | 32.297 |
| 82 | 48° 10' | 132° 40' | 08-09 | 2240 | 14.2 | 32.452 | 32.446 |
| 83 | 48° 06' | 131° 40' | 09-09 | 0200 | 14.0 | 32.474 | 32.468 |
| 84 | 48° 02' | 130° 40' | 09-09 | 0556 | 14.0 | 32.292 | 32.290 |
| 85 | 47° 57' | 129° 40' | 09-09 | 0958 | 14.2 | 32.438 | 32.449 |
| 86 | 47° 51' | 128° 40' | 09-09 | 1420 | 14.1 | 32.157 | 32.155 |
| 87 | 47° 46' | 127° 40' | 09-09 | 1833 | 14.8 | 32.182 | 32.169 |
| 88 | 47° 42' | 126° 40' | 09-09 | 2237 | 14.5 | 32.104 | 32.103 |
| 89 | 47° 58' | 126° 00' | 10-09 | 0200 | 13.4 | 31.688 | 31.688 |
| 90 | 48° 27' | 124° 51' | 10-09 | 0711 | 11.0 | 32.045 | 32.067 |