Institute of
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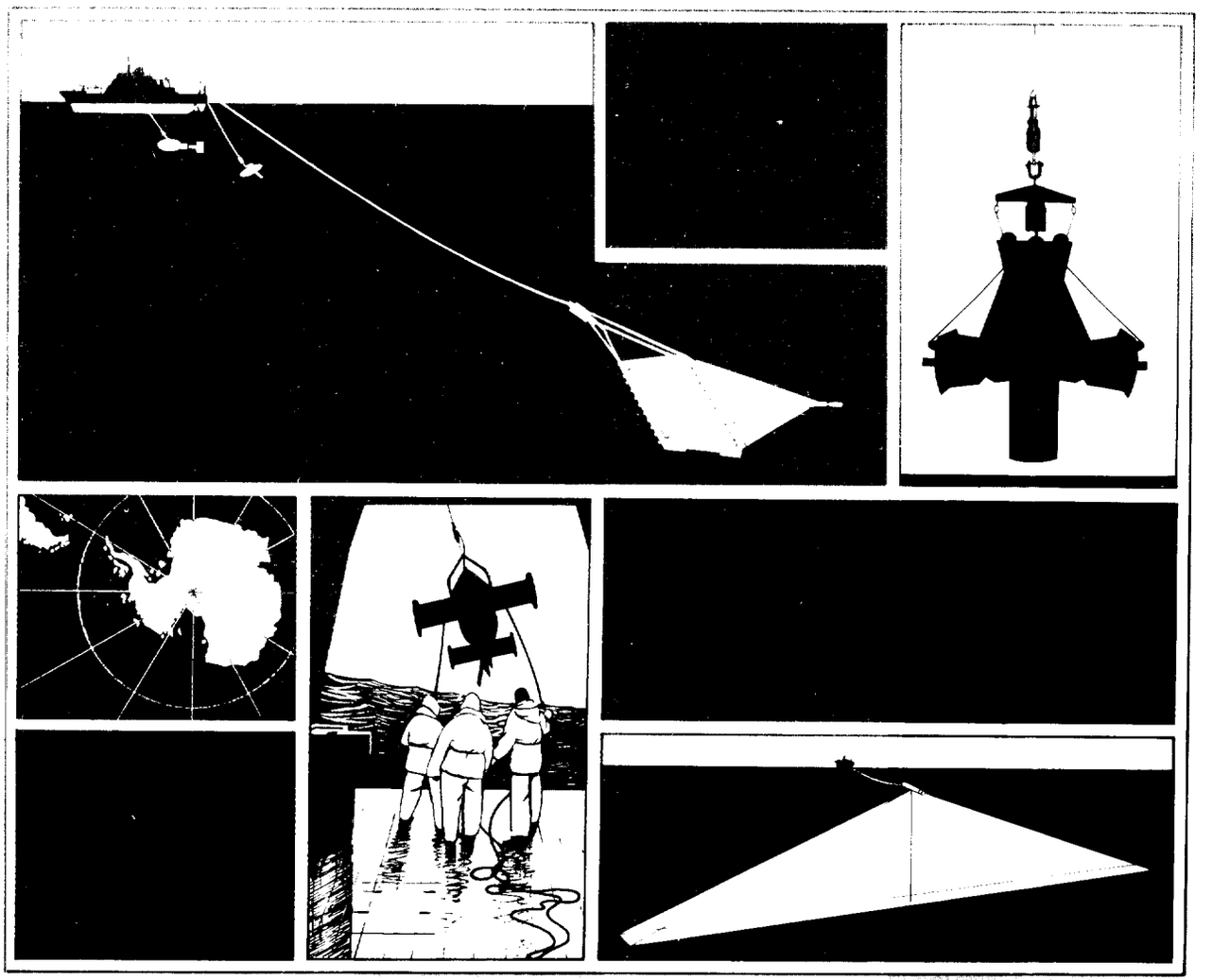
**J F Read, R T Pollard & C Hirst**

**Report No 285 1991**



Natural Environment Research Council

# INSTITUTE OF OCEANOGRAPHIC SCIENCES

## DEACON LABORATORY

**Wormley, Godalming,**
**Surrey, GU8 5UB, U.K.**

**Telephone: 0428 79 4141**
**Telex: 858833 OCEANS G**
**Telefax: 0428 79 3066**

Director: Dr. C.P. Summerhayes



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1991

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*ABSTRACT*

During *RRS Discovery* Cruise 181 (1 April 1989 - 2 May 1989) CTD data were collected in the north east Atlantic Ocean. Four major sections were worked; the first in the Bay of Biscay down 7°W, then from the coast of Portugal out to 20°W along 41.5°N, the section along 20°W from 41.5°N to 54°N was worked in conjunction with the BOFS programme (Biogeochemical Ocean Flux Study), and the last section crossed the Rockall Trough at 54°N. Additional stations were worked in other locations and a total of 55 profiles are presented in this report.

Calibration and processing of the CTD data are described and the data are presented in profile plots of temperature, salinity and oxygen with listings at standard pressure levels of basic and derived variables. Discrete samples from each CTD cast are tabulated separately.

*KEYWORDS*

ATLANTIC(NE)
BISCAY BAY
BOFS
CTD OBSERVATIONS
DISCOVERY/RRS - cruise(1989)(181)
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OXYGEN
ROCKALL TROUGH
SALINITY
TEMPERATURE

*ISSUING ORGANISATION*

**Institute of Oceanographic Sciences**
**Deacon Laboratory**
**Wormley, Godalming**
**Surrey GU8 5UB. UK.**

Director: Colin Summerhayes DSc

*Telephone* Wormley (0428) 684141
*Telex* 858833 OCEANS G.
*Facsimile* (0428) 683066

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## INTRODUCTION

CTD data were collected on board the *RRS Discovery* during cruise 181 between 1st April 1989 and 2nd May 1989 in the northeast Atlantic. The object was to quantify the circulation of the Biscay region northeast of 41°N, 20°W with a box of full depth CTD casts at about 75 km intervals. Sampling was to include nutrients (nitrates, phosphates and silicates), chlorophyll 'a' and bacterial counts. The full details of the objectives of the cruise are given in the cruise report (Pollard et al, 1989).

A total of 55 stations were occupied and are described here (table 1, fig. 1). Of these, 23 stations were full depth but the remainder were curtailed to either 3000 m or 3500 m depth because of shortage of time. These depths were chosen to provide adequate excursion into the deep water, of potential temperature less than 2.5°C, to help calibrate the salinity data and to allow geostrophic velocities to be calculated relative to a deep reference level.

Station 11795 was a trial cast on the continental shelf to test the equipment. Stations 11796-11806 were located in the Bay of Biscay of which five casts were at the mooring sites on the shelf edge, and casts 11798-11806 formed a section down 7°W. Casts 11806-8 and 11811 were occupied around Cape Finisterre to calculate the offshelf geostrophic flow. A section was started on the shelf edge off Vigo, Portugal at 41.5°N out to 20.5°W ending at station 11824, followed by a section north to cast 11845 at 54°N, along the 'BOFS line' (Biogeochemical Ocean Flux Study) of 20°W. Cast 11834 was not logged so was repeated (11836) after a special shallow cast (11835) for BOFS work. The exact location of CTD stations on these two sections were chosen to match those of previous cruises; *RRS Discovery* cruises 81 and 132 (Saunders, 1980, Pollard, 1985). XBT's were dropped while underway between stations in the 41.5°N and 20°W sections, the locations of which are given in table 1.

The section east at 54°N could not be continued onto the shelf edge because permission to work in Irish waters could not be obtained. Therefore the line was adjusted to meet the end of a line worked by Ellett on the preceding cruise (Ellett, 1989). CTD stations 11842-11851 formed a box at the entrance to the Rockall Trough. The box was not completed because the winch hydraulics failed while hauling the CTD on station 11851. The CTD was recovered by by-passing the hydraulics but it took several days for the winch to be repaired, so it was not possible to do the final cast. The last two stations took place at two mooring sites in the Bay of Biscay.

## INSTRUMENTATION

Two Neil Brown Instrument Systems (NBIS) mark III CTD's were taken on the cruise, although only one was used. After an initial problem with the deck unit (a loose wire) the system worked well. An old Beckman oxygen sensor was used at the beginning of the cruise but by cast 11820 it had become obvious that this was not giving sensible output. It was replaced by a new sensor for cast

11821 and the data collected prior to this were abandoned. A SeaTech 1m transmissometer was incorporated into the CTD system and worked well throughout the cruise. The multisampler and rosette caused problems by consistently misfiring at depth, a full report of the difficulties encountered is given in the cruise report (Pollard et al, 1989).

## DATA CAPTURE AND REDUCTION

All CTD, oxygen and transmissometer data were logged on the NBIS deck unit and displayed on a BBC microcomputer in real time. Data were also recorded on digidata tapes as a back up to the main computing system. The data were logged via a level A interface to the level B Plessey computer for transfer to tape and to the level C system: three Sun 3/60 workstations. The level A despiked and averaged the data from 16 Hz to 1 Hz. On the Sun workstations the data were initially stored in RVS type binary files from where they were transferred to PSTAR type binary files using the DATAPUP programme developed by RVS, and the PSTAR programmes PCOPYA and PHEADR. Once in PSTAR format the data were processed by the procedure outlined by Pollard, Read and Smithers (1987), eg. CTDCAL for the initial calibrations, PCALIB to apply the salinity offset, OXYCAL and OXYGEN to calculate and apply the dissolved oxygen calibration coefficients, PEDITA and PEDITB were used to clean the data and PEOS83 to calculate various derived variables. The data were also plotted (PLOTXY) and listed (PLIST, PLISTD). The UNIX based Sun system allowed the use of 'execs' so that all programmes could be run automatically which greatly increased the speed of processing and reduced the risk of operator error. New programmes were developed while at sea to use the new UNIRAS colour contouring package. This resulted in vertical sections being contoured in colour, aiding scientific interpretation of the data in near real time.

## CTD CALIBRATION

The initial calibrations applied by CTDCAL were as follows:

| | |
|---|---|
| Pressure (dbar) | $P = 0.0 + P_{raw} * ( 0.1 * 0.99286144 )$ |
| Temperature (°C) | $T = 0.020909 + T_{raw} * ( 0.0005 * 0.998965925 )$ |
| Conductivity | $C = 0.0 + C_{raw} * ( 0.001 * 1.00109073 )$ |

The temperature calibration was obtained in the laboratory with the platinum resistance thermometer calibrated in-situ. Deep temperature values (at 3000 m or deeper) were compared with sample measurements taken by a digital reversing thermometer. Over 23 samples the mean difference between temperature sensor and reversing thermometer was 0.0088 ± 0.001 °C. Very few adequate readings were obtained near the surface because of the failure of the second digital reversing thermometer. On this evidence no change was made to the temperature calibration.

Transmittance was also recorded although not shown in this report. It was calibrated with the equation:

Transmittance (%) $T = 20 * V * 1.0032$

where V (output voltage) = $( 4.355 / 4.096 ) * ( T_{raw} - 0.0 ) * 0.0001$

**Absolute Salinity Calibration**

At the beginning of the cruise six full depth casts were made with twelve water samples each, analysed on the Guildline Autolab salinometer for calibration purposes. These gave a consistent offset over the entire cast which was comparable to the offset obtained by comparing the θ/S profiles to the curve obtained by Saunders (1986) for the deep, stable water of the North East Atlantic. A constant offset was therefore applied to salinity to match the Saunders curve. After the first few casts the number of salinity samples drawn at each station was reduced to four. These were analysed during the cruise on the Guildline salinometer, but examination of the results after the cruise suggested that the salinometer was not working reliably, standardisations on successive sessions showing large offsets. All the CTD θ/S profiles were compared to the Saunders curve and adjustments were made during the cruise as the conductivity cell drifted slightly. The bottle values were compared with the CTD data and gave poor statistics but it is thought that this is most likely to be the result of problems with the salinometer rather than the conductivity sensor. The differences between bottle samples and CTD values within 100 m of the surface are shown in fig. 2 together with the correction applied by comparison with the Saunders deep curve.

**Oxygen Calibration**

Calibration of the Beckman oxygen sensor caused more than the usual problems (Read, 1989). Data from the casts prior to station 11821 were discarded as the old sensor did not give sensible output. Data from the replacement were given an initial calibration of:

oxygen current $OXYC = 0.0 + OXYC_{raw} * ( 0.001 * 1.05 )$

oxygen temperature $OXYT = 0.0 + OXYT_{raw} * (0.128 * 1.0 )$

However OXYT was discarded in favour of CTD temperature (see Pollard 1985).

The oxygen sensor was then calibrated with the formula:

oxygen $O = OXYC * \rho * \exp (\alpha * T + \beta * P ) * OXYSAT$

using a least squares fit to calculate the coefficients ρ, α and β from bottle samples. With between ten and twelve samples for each cast this should have given a good fit, however it soon became apparent that many of the bottle sample values were imprecise (Read, 1989) and good values had to be carefully selected before the calibration coefficients could be calculated. This still gave widely varying results for ρ, α and β for each cast, so a best fit of the deep gradient over several

selected casts was used to fix $\alpha$ and $\beta$, and $\rho$ was then calculated individually for each cast.This correction improved the fit to the sample data but still caused the overall value of oxygen to vary up and down between casts. The problem was particularly pronounced when casts 11824 - 11845 were contoured. To minimise the cast to cast variations the deepest data were fitted to the oxygen value given by Saunders (5.67 ml/l) and the offset added to the whole cast. The results of the calibration are given in table 2.

**DATA PRESENTATION**

The data are presented in profile plots contoured sections and tables. In the plots, potential temperature, salinity and oxygen are plotted against pressure. The data were smoothed by 10 second averaging before plotting. Oxygen calibration values are shown as asterisks (*). Start and end times of each cast and position are shown at the bottom left of each plot. The one or two letter code following each cast number is a version code which is incremented every time a computer file is modified, thus distinguishing which computer version of the file has been plotted.

The tables associated with each profile plot consist of summary listings where the data have been linearly interpolated to standard levels; 20 dbar apart to 400 dbar, 50 dbar apart to 600 dbar and 100 dbar apart below 600 dbar. The second set of tables contains the nutrient samples analysed from each cast.

Sections lying along approximately 7°W, 20°W, 41.5°N and around 54°N have been contoured from the relevant CTD profiles using the PSTAR programs PGRIDP and PCONTR (figures 3 - 14). CTD casts in the section along 7°W were ordered - from south to north - 11804, 11805, 11806, 11803, 11802, 11801, 11800, 11799, 11798, 11796. The section around 54°N was contoured from stations 11842 - 11851, and 11842 to form a box. The variables potential temperature, salinity and sigma theta (a composite of sigma0 and sigma2000) have been contoured for the sections along 7°W and 41.5°N. In addition to these, oxygen is shown for the section down 20°W and the northern box. The contour intervals are as follows:

| | |
|---|---|
| Potential temperature | 0.5 °C |
| Salinity | 0.05 ppt |
| Oxygen | 0.2 ml/l |
| sigma theta | 0.1 kg/m$^3$ |

The smaller set of tick marks along the x-axis show the location of each station.

**ACKNOWLEDGEMENTS**

The first two weeks of cruise 181 were dogged by bad weather and it is thanks to the experience and skill of the ships master; Mike Harding, the officers and crew that the scientific work continued unimpeded. M. Conquer and R. Lampitt determined salinities, R. Head analysed the dissolved oxygen, nutrient and chlorophyll 'a' samples. P. Gwilliam and J. Smithers calibrated and maintained the CTD instrumentation, A. Brook and A. Cormack worked hard on UNIRAS to provide colour plots and J. Newman typed in all the XBT data.

**REFERENCES**

ELLETT, D. J. et al 1989 Cruise Report: RRS Discovery Cruise 180, 20 January - 4 February 1989. Oban: Dunstaffnage Marine Laboratory. 7pp.

POLLARD, R. T. 1985 CTD data from the northeast Atlantic Ocean 40° - 48°N, 12° - 21°W collected on RRS Discovery cruise 132 in February 1983.
Institute of Oceanographic Sciences Deacon Laboratory, Report No. 192, 99pp.

POLLARD, R. T., J. F. READ & J. SMITHERS 1987 CTD sections across the southwest Indian Ocean and Antarctic Circumpolar Current in southern summer 1986/7.
Institute of Oceanographic Sciences Deacon Laboratory, Report No. 243, 161pp.

POLLARD, R. T. et al 1989 RRS Discovery Cruise 181, 1 April - 1 May 1989, circulation and structure of the Bay of Biscay and North East Atlantic out to 20°W and 41°N.
Institute of Oceanographic Sciences Deacon Laboratory, Cruise Report No. 210, 51pp.

READ, J. F. 1989 Review of Marine Physics analysis of the dissolved oxygen content of seawater.
Institute of Oceanographic Sciences Deacon Laboratory Internal Document No. 288, 40pp. (unpublished manuscript)

SAUNDERS, P. M. 1980 CTD data obtained during Discovery cruise 81.
Institute of Oceanographic Sciences Deacon Laboratory, Data Report No. 17, 104pp.

SAUNDERS, P. M. 1986 The accuracy of measurement of salinity, oxygen and temperature in the deep ocean.
Journal of Physical Oceanography, 16, 189-195.

**TABLE 1**

**STATION LIST**

| STATION | DATE APRIL | START TIME | DOWN TIME | END TIME | PRES DBAR | DEPTH M | LAT. NORTH | LONG. WEST |
|---|---|---|---|---|---|---|---|---|
| CTD11795 | 2 | 1021 | 1030 | 1100 | | | 49°11.58' | 6°14.60' |
| XBT001 | 2 | 2028 | | | | | 48°07.99' | 6°25.93' |
| CTD11796 | 3 | 0128 | 0148 | 0220 | 563 | | 47°27.79' | 6°37.18' |
| CTD11797 | 3 | 0404 | 0506 | 0657 | 2591 | | 47°17.10' | 6°39.80' |
| CTD11798 | 3 | 0830 | 0924 | 1129 | 2496 | | 47°17.25' | 6°40.30' |
| XBT002 | 4 | 0733 | | | | | 46°43.31' | 6°58.77' |
| CTD11799 | 4 | 0906 | 1040 | 1307 | 4643 | | 46°42.31' | 6°58.16' |
| CTD11800 | 5 | 0532 | 0632 | 0813 | 4627 | 4755 | 46°17.49' | 7°01.81' |
| CTD11801 | 5 | 1245 | 1353 | 1526 | 4520 | 4840 | 45°33.33' | 7°00.18' |
| CTD11802 | 5 | 1857 | 1943 | 2100 | 3002 | 4861 | 45°04.12' | 7°00.35' |
| CTD11803 | 6 | 0543 | 0632 | 0721 | 2999 | 4860 | 44°29.32' | 7°01.99' |
| CTD11804 | 6 | 1905 | 1916 | 1921 | 293 | 305 | 44°00.56' | 6°57.81' |
| CTD11805 | 6 | 1944 | 2005 | 2023 | 1067 | 1032 | 44°01.91' | 6°58.31' |
| CTD11806 | 6 | 2212 | 2302 | 2353 | 3072 | 3713 | 44°13.71' | 6°58.96' |
| XBT003 | 7 | 0558 | | | | | 44°22.46' | 7°59.22' |
| CTD11807 | 7 | 1053 | 1140 | 1230 | 3088 | 4901 | 44°29.52' | 9°00.00' |
| CTD11808 | 7 | 2128 | 2252 | 2344 | 3027 | 3108 | 43°05.25' | 9°59.76' |
| CTD11809 | 8 | 1210 | 1215 | 1222 | 174 | 160 | 42°15.76' | 9°13.48' |
| CTD11810 | 8 | 1413 | 1422 | 1429 | 459 | 247 | 42°15.50' | 9°26.99' |
| CTD11811 | 8 | 1459 | 1516 | 1530 | 928 | 919 | 42°15.22' | 9°29.65' |
| CTD11812 | 8 | 2050 | 2128 | 2208 | 2153 | 2128 | 42°13.19' | 9°40.94' |
| CTD11813 | 9 | 0144 | 0228 | 0343 | 2795 | 2770 | 42°09.17' | 10°19.90' |
| CTD11814 | 9 | 0819 | 0857 | 0954 | 2475 | 2440 | 42°05.78' | 11°13.56' |
| CTD11815 | 9 | 1528 | 1628 | 1741 | 2961 | 4025 | 42°02.02' | 12°07.69' |
| CTD11816 | 9 | 2159 | 2244 | 0009 | 3436 | 5328 | 41°57.66' | 12°59.90' |
| CTD11817 | 10 | 0540 | 0633 | 0755 | 3538 | 5340 | 41°54.42' | 13°55.50' |
| CTD11818 | 10 | 1210 | 1303 | 1424 | 3498 | 5330 | 41°51.04' | 14°47.05' |
| CTD11819 | 10 | 2009 | 2103 | 2226 | 3459 | 5270 | 41°47.49' | 15°40.52' |
| CTD11820 | 11 | 0424 | 0524 | 0654 | 3478 | 5054 | 41°43.61' | 16°33.72' |
| CTD11821 | 11 | 1348 | 1450 | 1615 | 3482 | 5550 | 41°40.19' | 17°27.65' |
| CTD11822 | 12 | 1141 | 1310 | 1440 | 3378 | 5066 | 41°39.74' | 18°24.30' |
| XBT004 | 12 | 2059 | | | | | 41°43.82' | 18°51.81' |
| XBT005 | 12 | 2306 | | | | | 41°47.89' | 18°57.48' |
| XBT006 | 13 | 0108 | | | | | 41°37.80' | 19°03.65' |

| STATION | DATE APRIL | START TIME | DOWN TIME | END TIME | PRES DBAR | DEPTH M | LAT. NORTH | LONG. WEST |
|---|---|---|---|---|---|---|---|---|
| CTD11823 | 13 | 0337 | 0430 | 0557 | 3478 | 4590 | 41°34.38' | 19°13.99' |
| XBT007 | 13 | 0513 | | | | | 41°34.60' | 19°14.20' |
| XBT008 | 13 | 0717 | | | | | 41°33.95' | 19°26.86' |
| CTD11824 | 13 | 1216 | 1310 | 1450 | 3491 | 3735 | 41°32.32' | 20°19.20' |
| XBT009 | 13 | 1753 | | | | | 41°51.75' | 20°18.82' |
| CTD11825 | 13 | 2106 | 2158 | 2331 | 3500 | 4133 | 42°10.32' | 20°17.78' |
| XBT010 | 14 | 0158 | | | | | 42°30.39' | 20°14.68' |
| CTD11826 | 14 | 0414 | 0457 | 0625 | 3468 | 5339 | 42°48.42' | 20°13.79' |
| XBT011 | 14 | 0858 | | | | | 43°08.78' | 20°11.95 |
| CTD11827 | 14 | 1054 | 1151 | 1310 | 3484 | 3932 | 43°26.48' | 20°08.89' |
| XBT012 | | | | no data | | | | |
| XBT013 | 14 | 1709 | | only to | 150m | | 43°47.44' | 20°07.05' |
| XBT014 | 14 | 1716 | | only to | 200m | | 43°48.44' | 20°06.64' |
| XBT015 | 14 | 1722 | | only to | 300m | | 43°49.30' | 20°06.28' |
| CTD11828 | 14 | 2024 | 2115 | 2238 | 3498 | 3790 | 44°04.00' | 20°02.88' |
| XBT016 | 15 | 1234 | | | | | 44°26.24' | 20°08.97' |
| CTD11829 | 15 | 1550 | 1643 | 1806 | 3494 | 4077 | 44°43.15' | 19°59.43' |
| XBT017 | 15 | 2130 | | | | | 45°01.48' | 19°59.87' |
| CTD11830 | 16 | 0009 | 0115 | 0317 | 3948 | 4321 | 45°19.68' | 19°57.04' |
| XBT018 | 16 | 0554 | | | | | 45°39.86' | 19°59.31' |
| XBT019 | | | | no data | | | | |
| XBT020 | | | | no data | | | | |
| XBT021 | 16 | 0615 | | | | | 45°42.73' | 19°59.47' |
| CTD11831 | 16 | 0826 | 0923 | 1050 | 3428 | 4322 | 45°58.52' | 19°52.98' |
| XBT022 | 16 | 1045 | | | | | 45°58.12' | 19°52.65' |
| CTD11832 | 16 | 1712 | 1804 | 1924 | 3498 | 4833 | 46°35.69' | 19°46.65' |
| XBT023 | 16 | 2137 | | | | | 46°57.42' | 19°48.86' |
| CTD11833 | 16 | 2325 | 0017 | 0206 | 3229 | 4551 | 47°13.95' | 19°41.96' |
| XBT024 | 17 | 0508 | | | | | 47°37.32' | 19°40.49' |
| CTD11835 | 17 | 1803 | 1815 | 1845 | 493 | 4559 | 47°57.96' | 19°32.57' |
| CTD11836 | 17 | 2109 | 2211 | 2342 | 3457 | 4563 | 48°02.64' | 19°33.60' |
| XBT025 | 18 | 0136 | | | | | 48°20.73' | 19°33.13' |
| CTD11837 | 18 | 0648 | 0742 | 0907 | 3474 | | 48°39.39' | 19°31.46' |
| XBT026 | 18 | 1137 | | | | | 49°03.19' | 19°32.22' |

| STATION | DATE APRIL | START TIME | DOWN TIME | END TIME | PRES DBAR | DEPTH M | LAT. NORTH | LONG. WEST |
|---|---|---|---|---|---|---|---|---|
| CCTD11838 | 18 | 1331 | 1424 | 1543 | 3361 | | 49°20.12' | 19°32.29' |
| XBT027 | 18 | 1818 | | | | | 49°44.59' | 19°32.44' |
| TD11839 | 18 | 2049 | 2147 | 2314 | 3508 | | 50°01.13' | 19°35.02' |
| CTD11840 | 19 | 0320 | 0414 | 0532 | 3502 | | 50°40.78' | 19°37.06' |
| XBT028 | | | | no data | | | | |
| XBT029 | 19 | 0721 | | | | | 50°58.81' | 19°38.65' |
| CTD11841 | 19 | 0934 | 1032 | 1150 | 3451 | | 51°20.02' | 19°33.69' |
| XBT030 | 19 | 1347 | | | | | 51°39.90' | 19°32.46' |
| CTD11842 | 19 | 1556 | 1649 | 1805 | 3448 | | 51°59.40' | 19°33.30' |
| CTD11843 | 20 | 0931 | 1012 | 1118 | 2648 | | 52°39.21' | 19°36.04' |
| CTD11844 | 20 | 1842 | 1920 | 2024 | 2494 | 2484 | 53°20.04' | 19°34.44' |
| CTD11845 | 21 | 0436 | 0501 | 0545 | 1445 | 1475 | 54°00.13' | 19°36.04' |
| XBT031 | 21 | 0804 | | | | | 53°54.07' | 19°04.33' |
| CTD11846 | 21 | 1024 | 1101 | 1201 | 2431 | 2414 | 53°48.65' | 18°30.55' |
| XBT032 | 21 | 1420 | | | | | 53°43.07' | 16°51.72' |
| CTD11847 | 21 | 1637 | 1713 | 1805 | 2345 | 2340 | 53°36.35' | 17°25.43' |
| XBT033 | 21 | 2017 | | | | | 53°30.17' | 16°51.72' |
| CTD11848 | 21 | 2219 | 2303 | 0013 | 2981 | 2968 | 53°24.96' | 16°21.62' |
| XBT034 | 22 | 0234 | | | | | 52°02.81' | 16°17.02' |
| CTD11849 | 22 | 0501 | 0556 | 0712 | 3475 | 3442 | 52°42.52' | 16°09.65' |
| XBT035 | 22 | 0949 | | | | | 52°18.50' | 16°04.85' |
| CTD11850 | 22 | 1157 | 1245 | 1404 | 3399 | 3360 | 52°00.07' | 16°01.24' |
| CTD11851 | 22 | 1830 | 1921 | 0454 | 3483 | 4353 | 52°00.74 | 17°11.26' |
| CTD11854 | 30 | 1818 | 1910 | 2022 | 3336 | | 47°16.93' | 6°39.89' |
| | MAY | | | | | | | |
| CTD11855 | 1 | 0132 | 0225 | 0354 | 3506 | 4490 | 46°43.33' | 6°48.50' |

**TABLE 2**

**FINAL CORRECTIONS FOR OXYGEN CALIBRATION**

$\alpha$ = -0.045 $\beta$ = 0.0002

| CAST | $\rho$ | FINAL OFFSET | COMMENTS |
|---|---|---|---|
| 11821 | 1.26 | +0.125 | |
| 11822 | 1.35 | +0.0625 | $\alpha$ = -0.042, $\beta$ = 0.00017 |
| 11823 | 1.34 | +0.06 | |
| 11824 | 1.20 | +0.275 | |
| 11825 | 1.17 | +0.03 | |
| 11826 | 1.36 | +0.16 | |
| 11827 | 1.36 | +0.07 | |
| 11828 | 1.36 | -0.14 | |
| 11829 | 1.36 | +0.20 | |
| 11830 | 1.36 | | |
| 11831 | 1.36 | +0.14 | |
| 11832 | 1.36 | -0.02 | |
| 11833 | 1.36 | +0.21 | |
| 11836 | 1.36 | +0.26 | |
| 11837 | 1.40 | +0.03 | |
| 11838 | 1.42 | -0.07 | |
| 11839 | 1.37 | +0.05 | |
| 11840 | 1.37 | +0.17 | |
| 11841 | 1.37 | +0.11 | |
| 11842 | 1.38 | +0.20 | |
| 11843 | 1.38 | +0.08 | |
| 11844 | 1.38 | +0.21 | casts 11844 - 11849 were all in shallow water |
| 11845 | 1.43 | | |
| 11846 | 1.47 | | |
| 11847 | 1.47 | +0.10 | |
| 11848 | 1.47 | | |
| 11849 | 1.48 | | |
| 11850 | 1.48 | +0.025 | |
| 11851 | 1.48 | -0.07 | |
| 11854 | 1.36 | | no final adjustments made to the last two stations |
| 11855 | 1.48 | | |

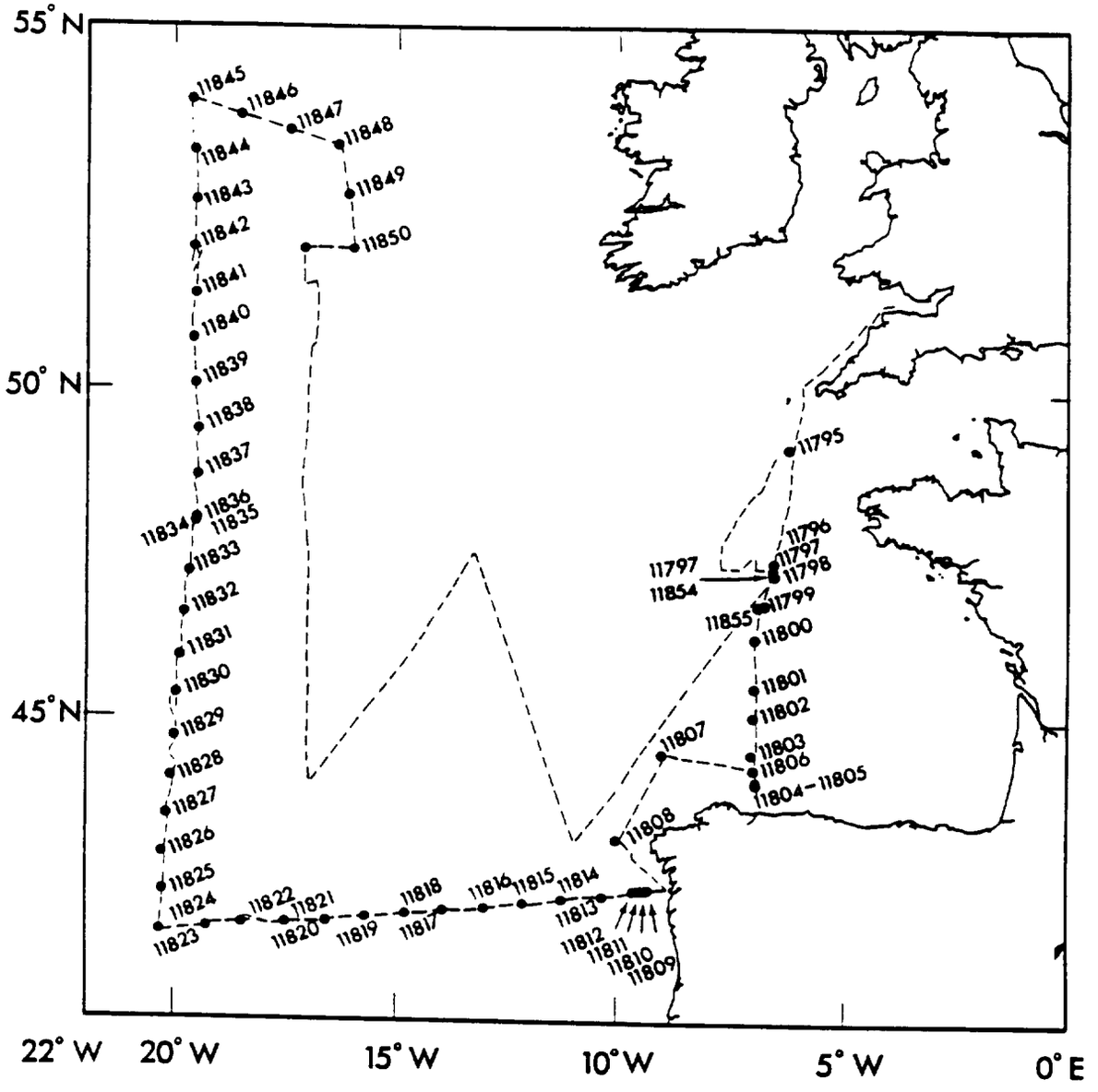



Fig. 1 CTD station positions

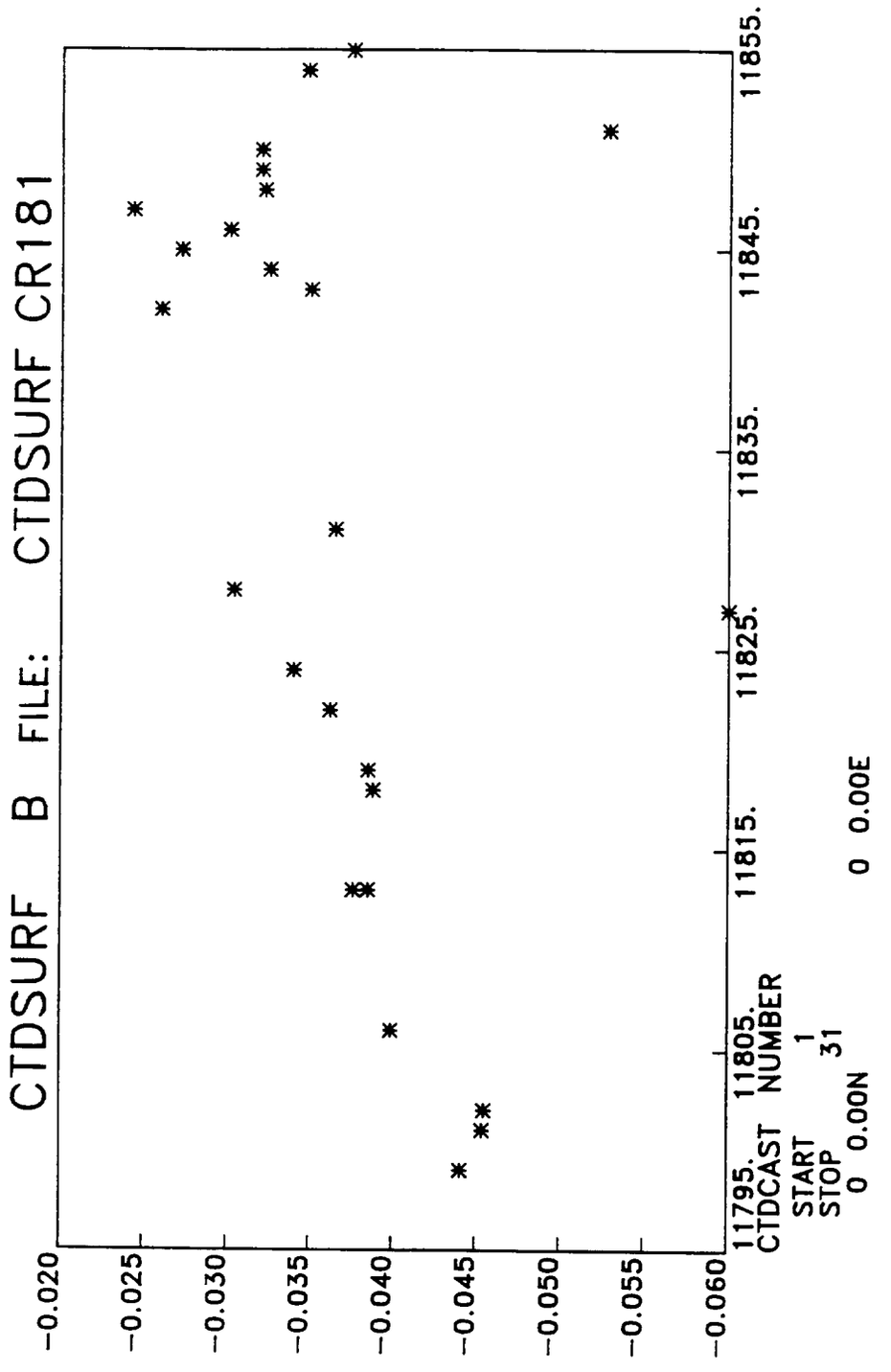



Fig. 2 Difference between surface salinity samples and CTD salinity values

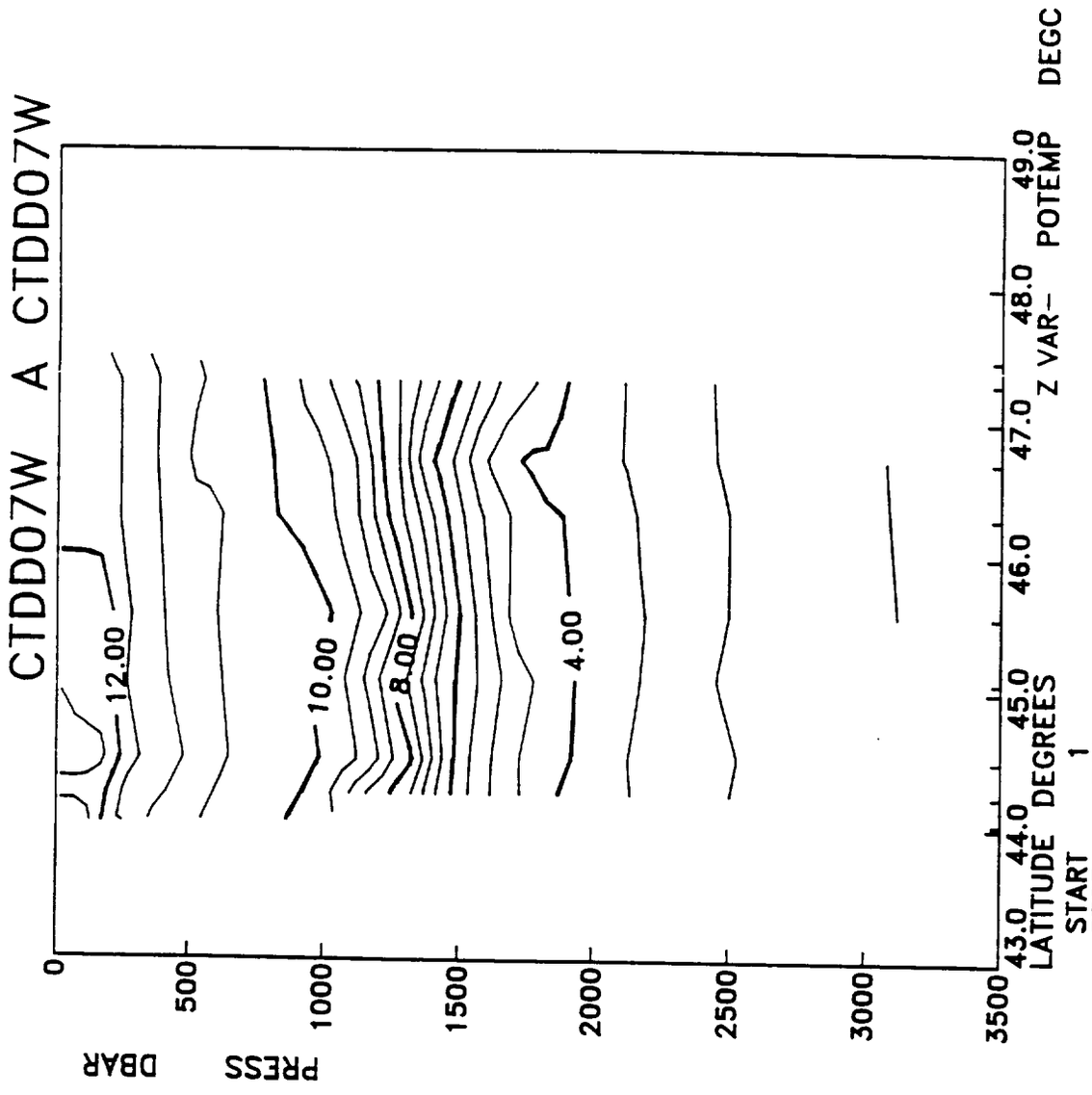



Fig. 3a Potential temperature contoured along 7°W

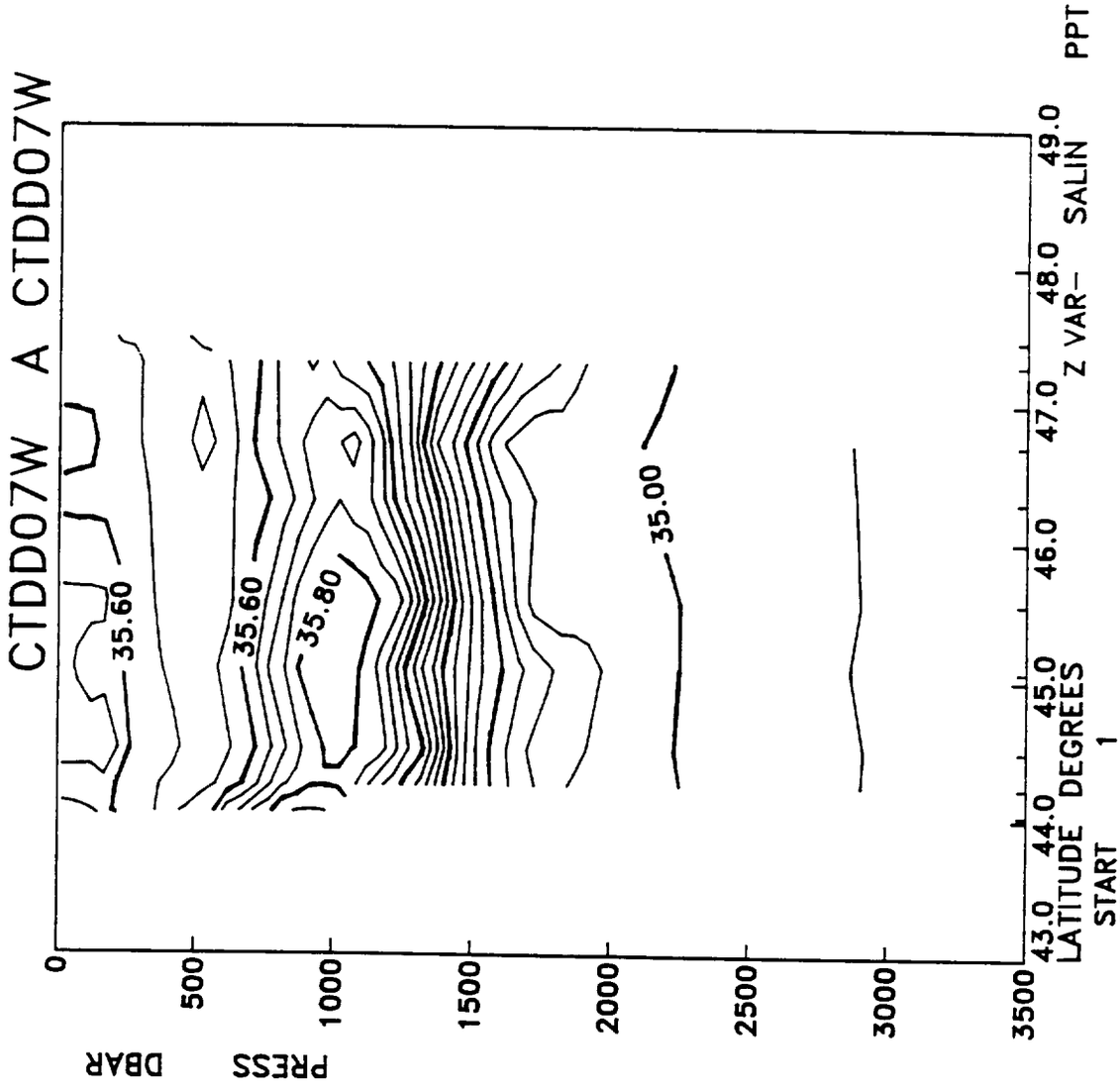



Fig. 3b Salinity contoured along 7°W

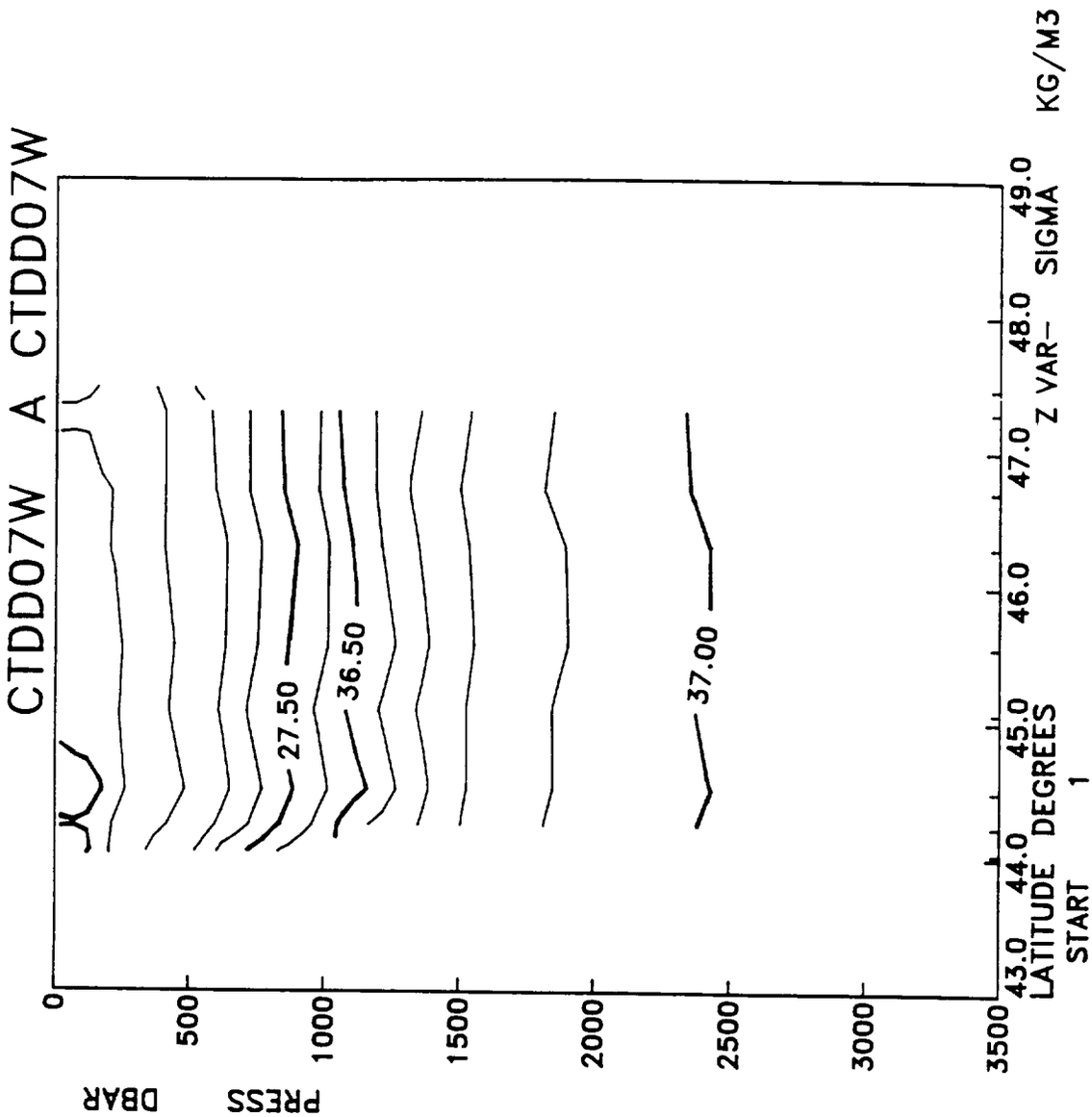



Fig. 3c Density contoured along 7°W

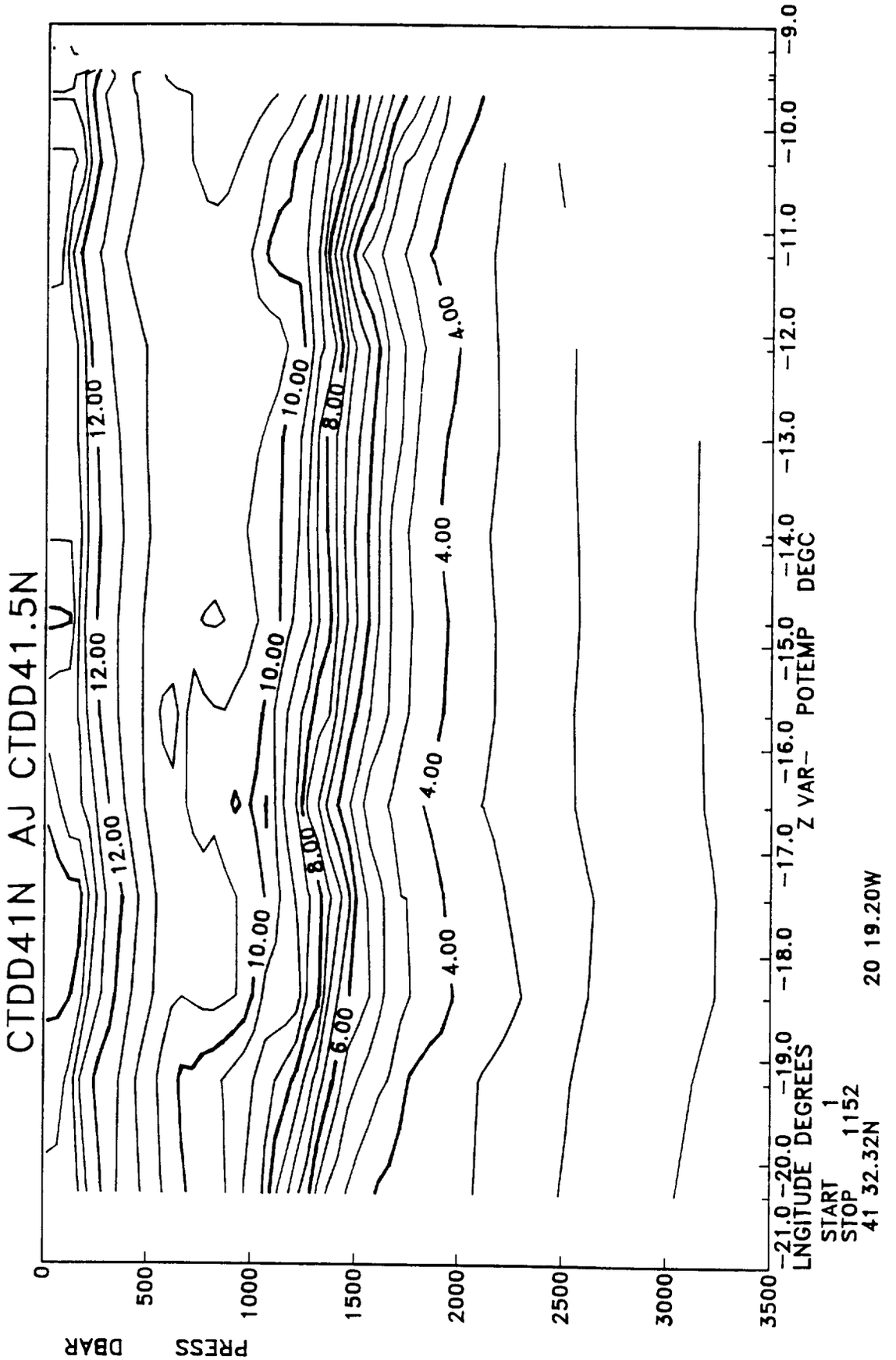



Fig. 4a Potential temperature contoured along 41.5°N

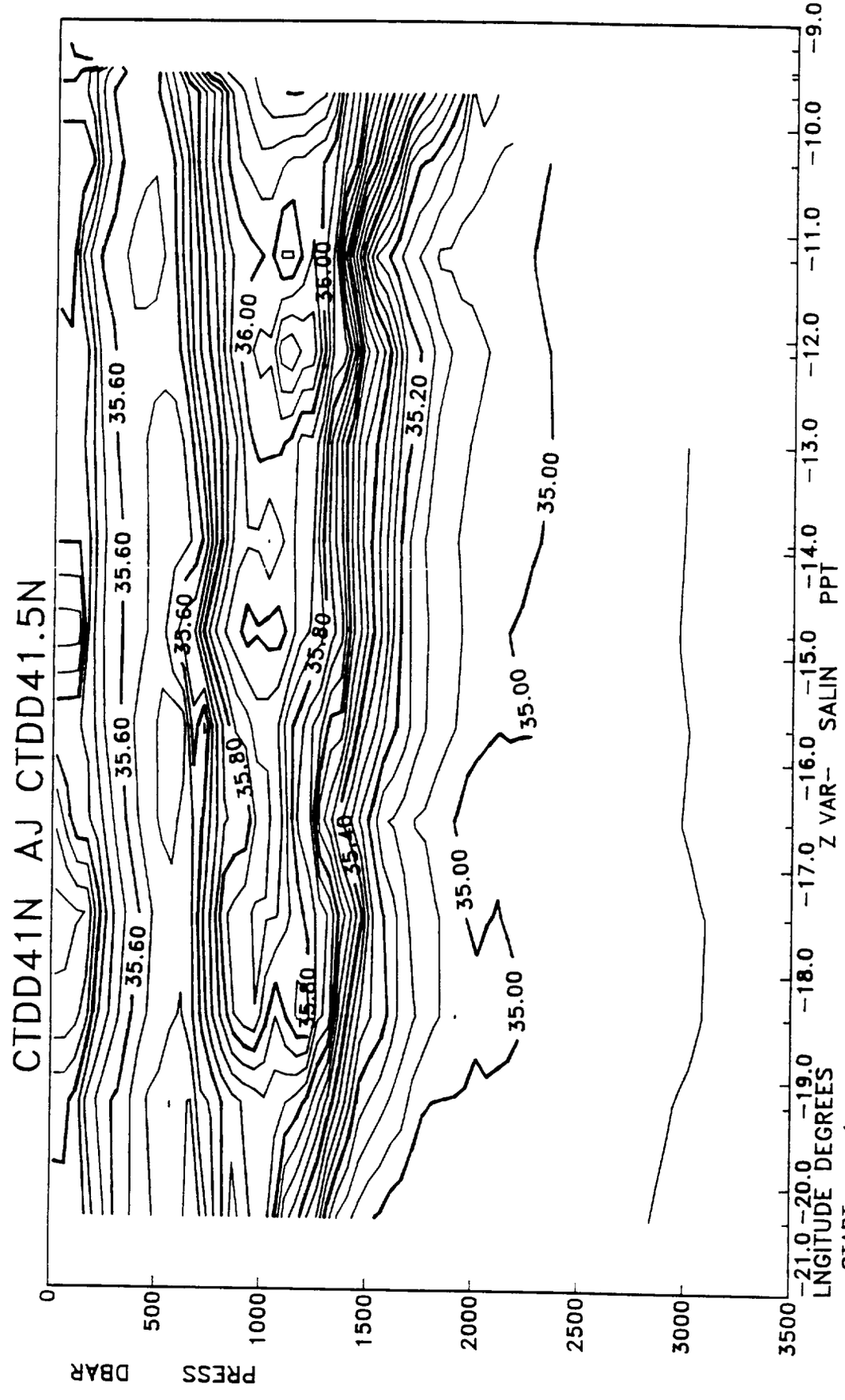



Fig. 4b Salinity contoured along 41.5°N

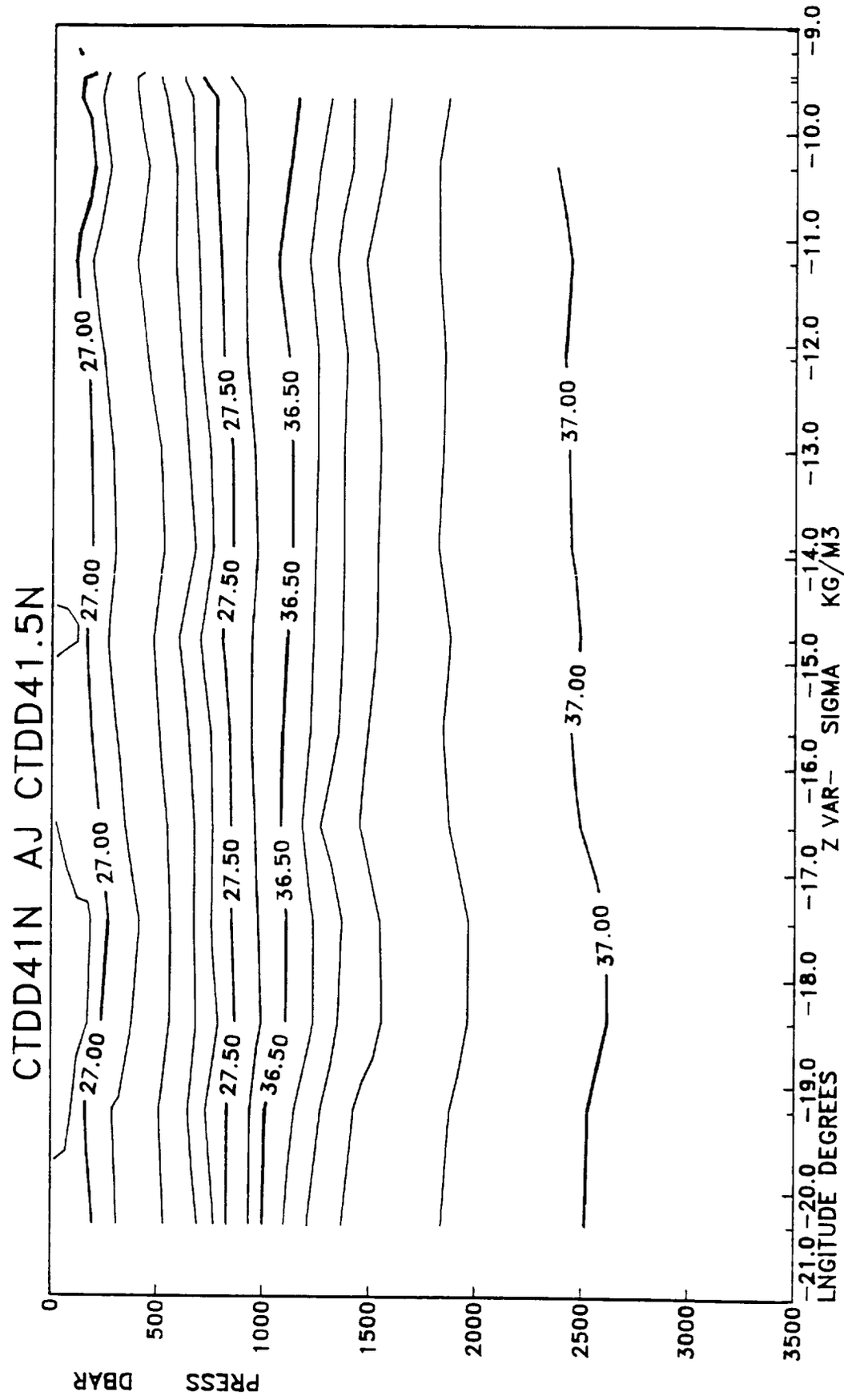



Fig. 4c Density contoured along 41.5°N

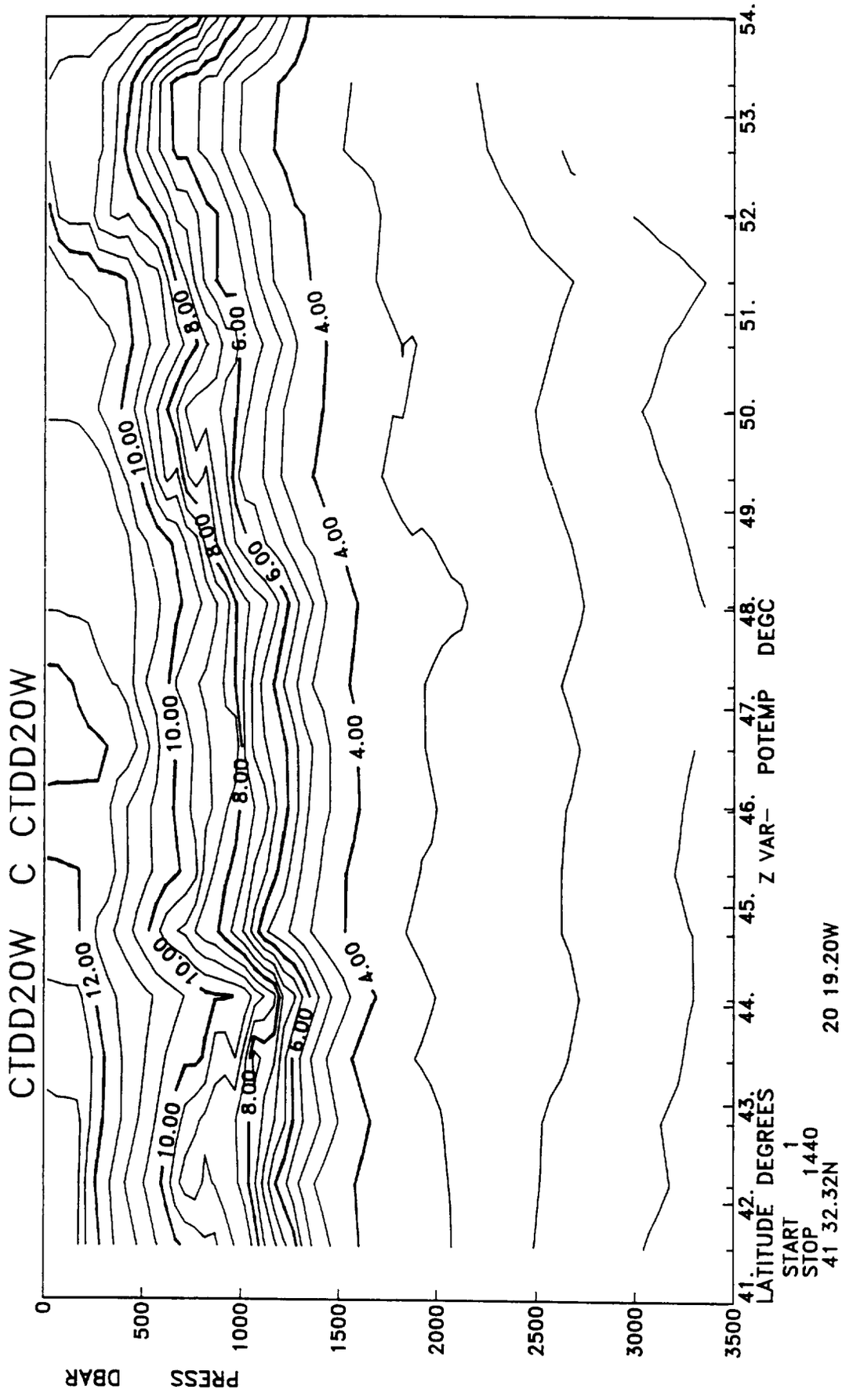



Fig. 5a Potential temperature contoured along 20°W

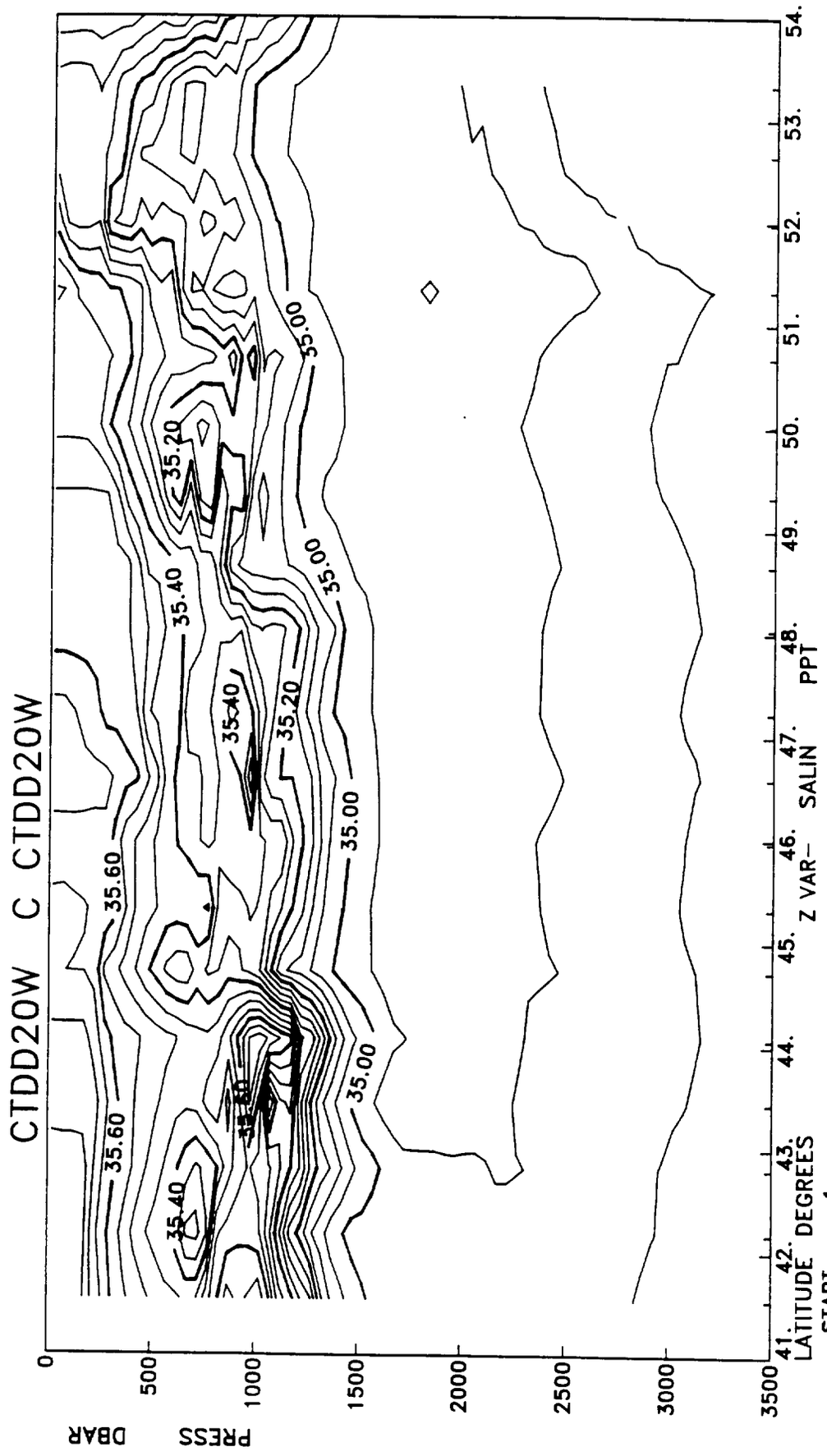



Fig. 5b Salinity contoured along 20°W

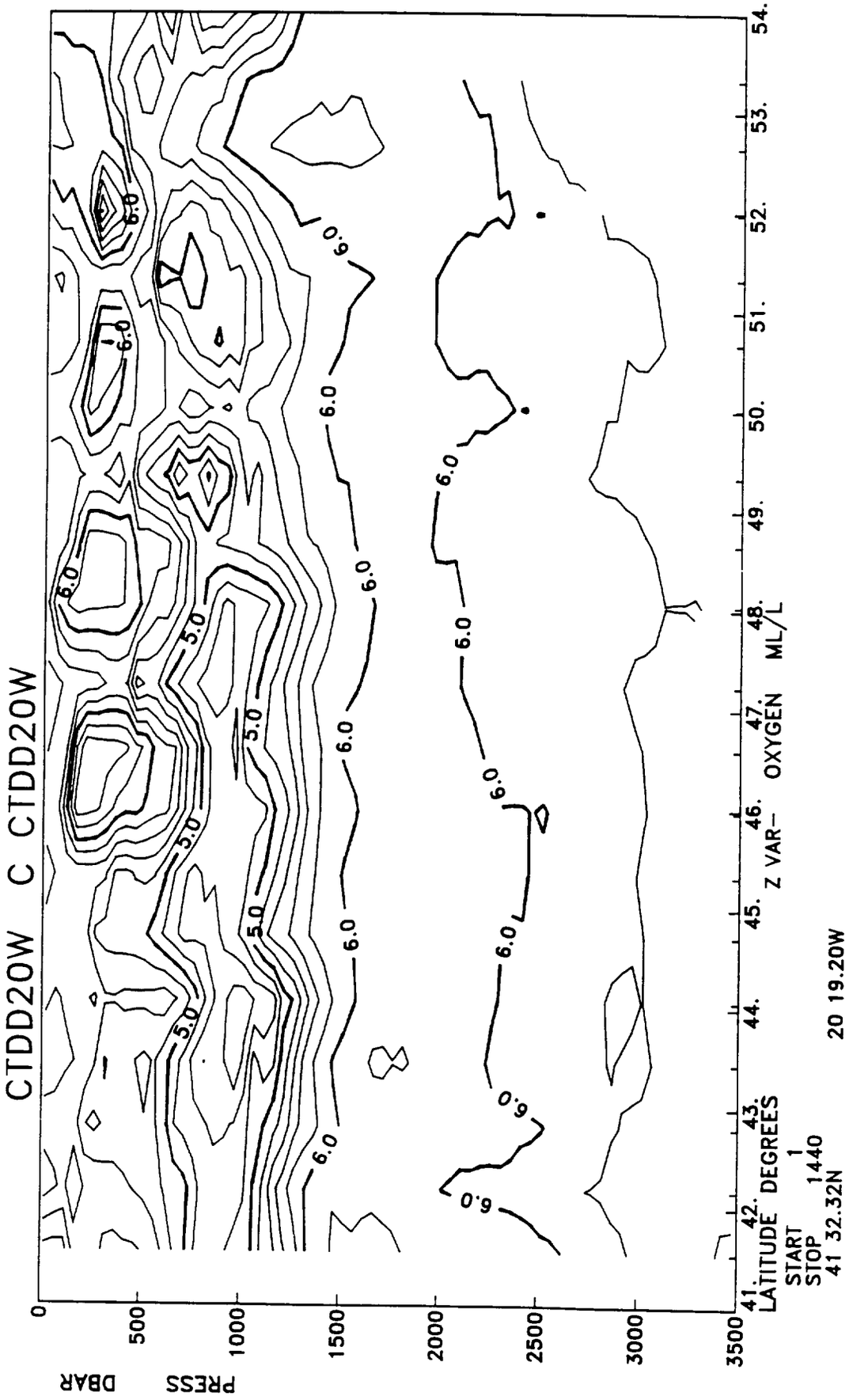



Fig. 5c Dissolved oxygen contoured along 20°W

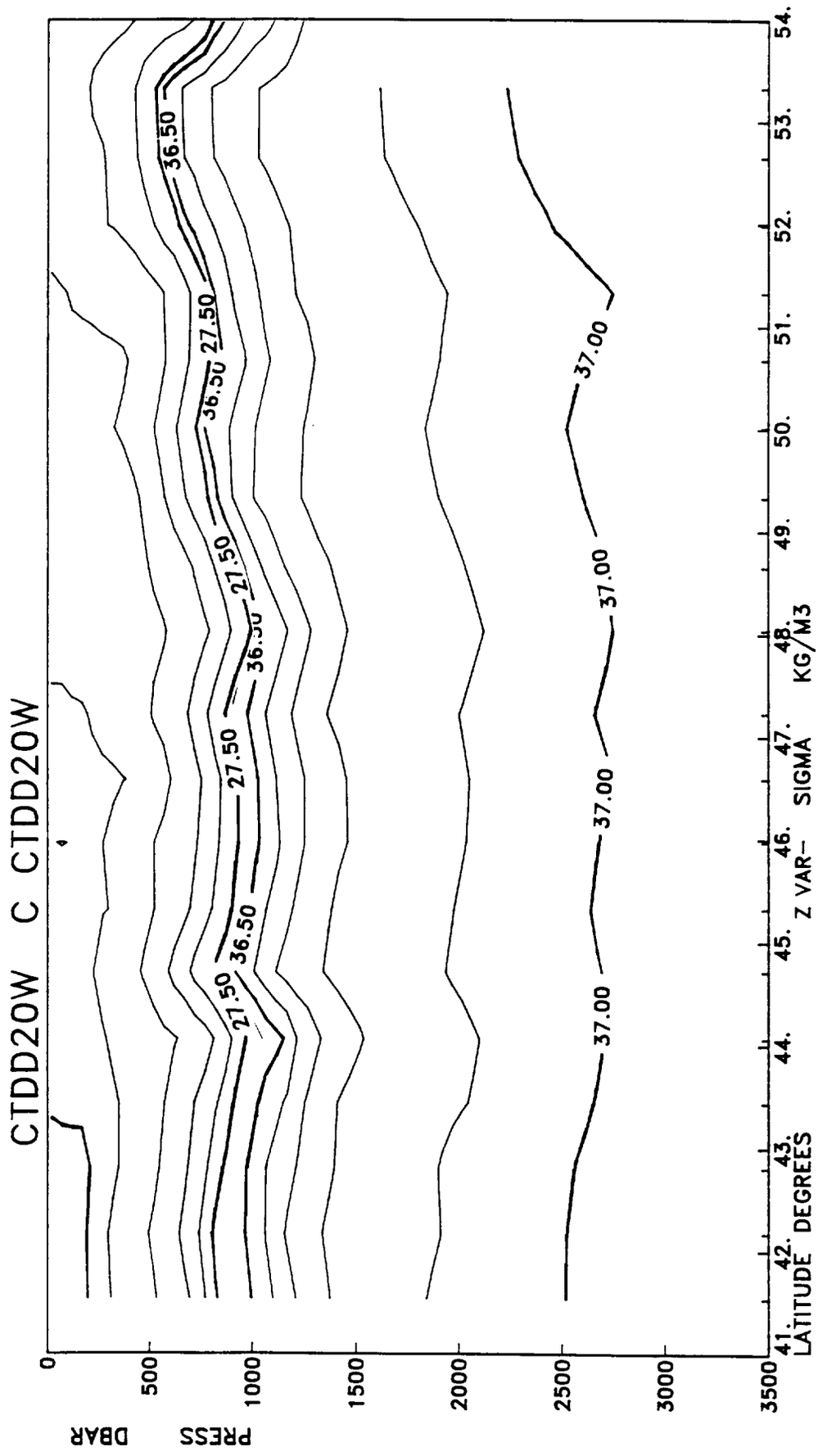



Fig. 5d Density contoured along 20°W

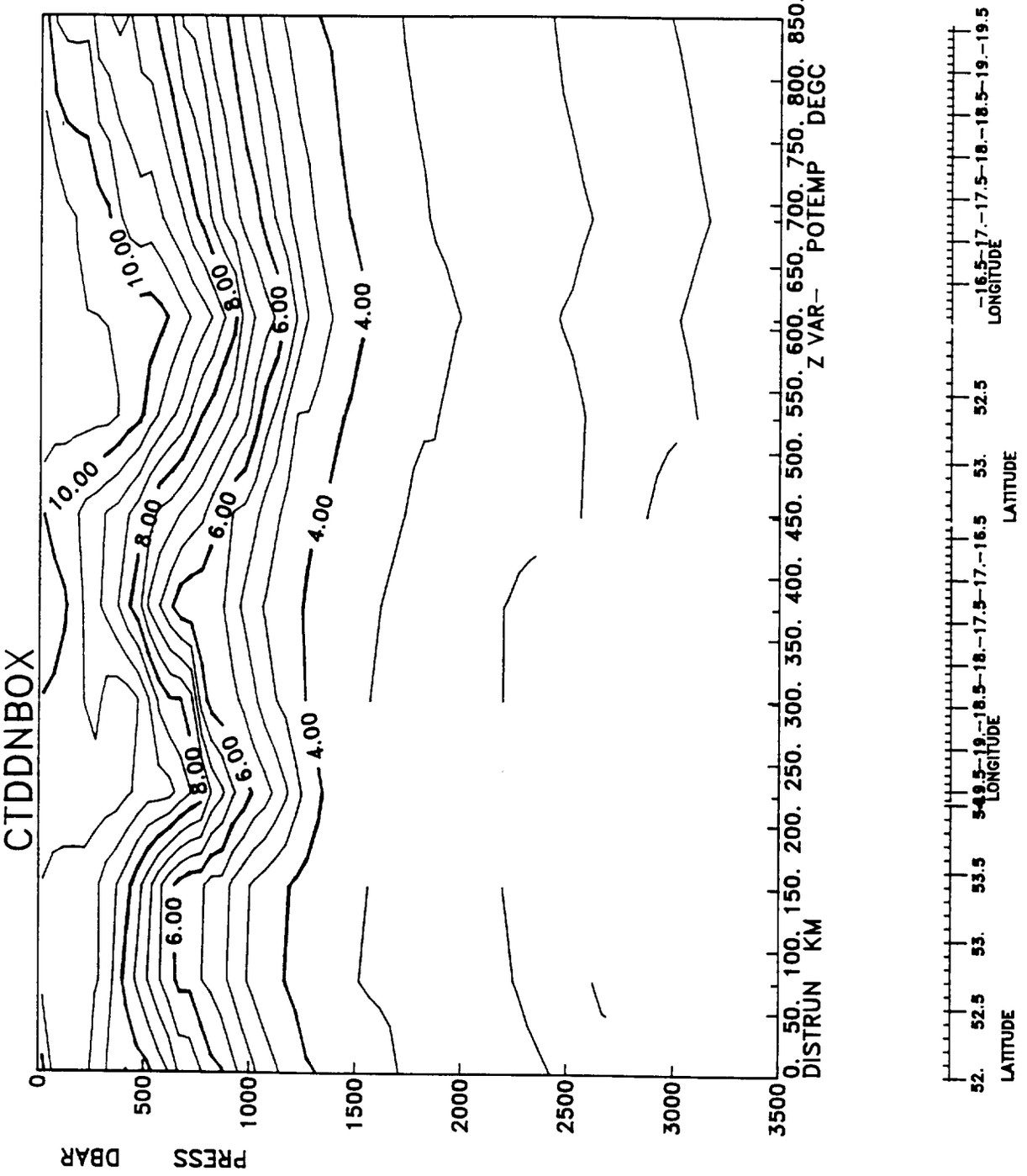



Fig. 6a Potential temperature contoured around northern box

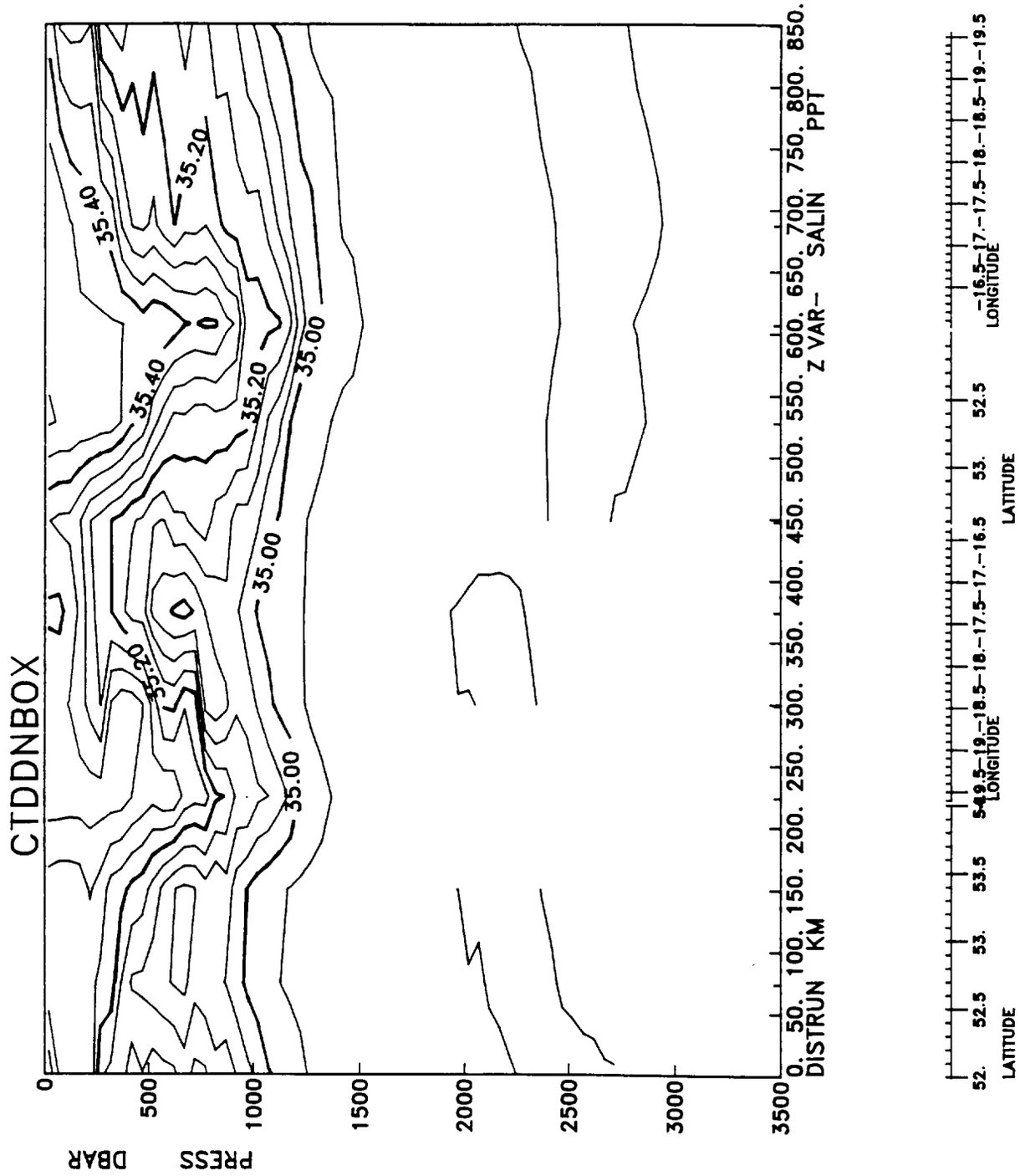



Fig. 6b Salinity contoured around northern box

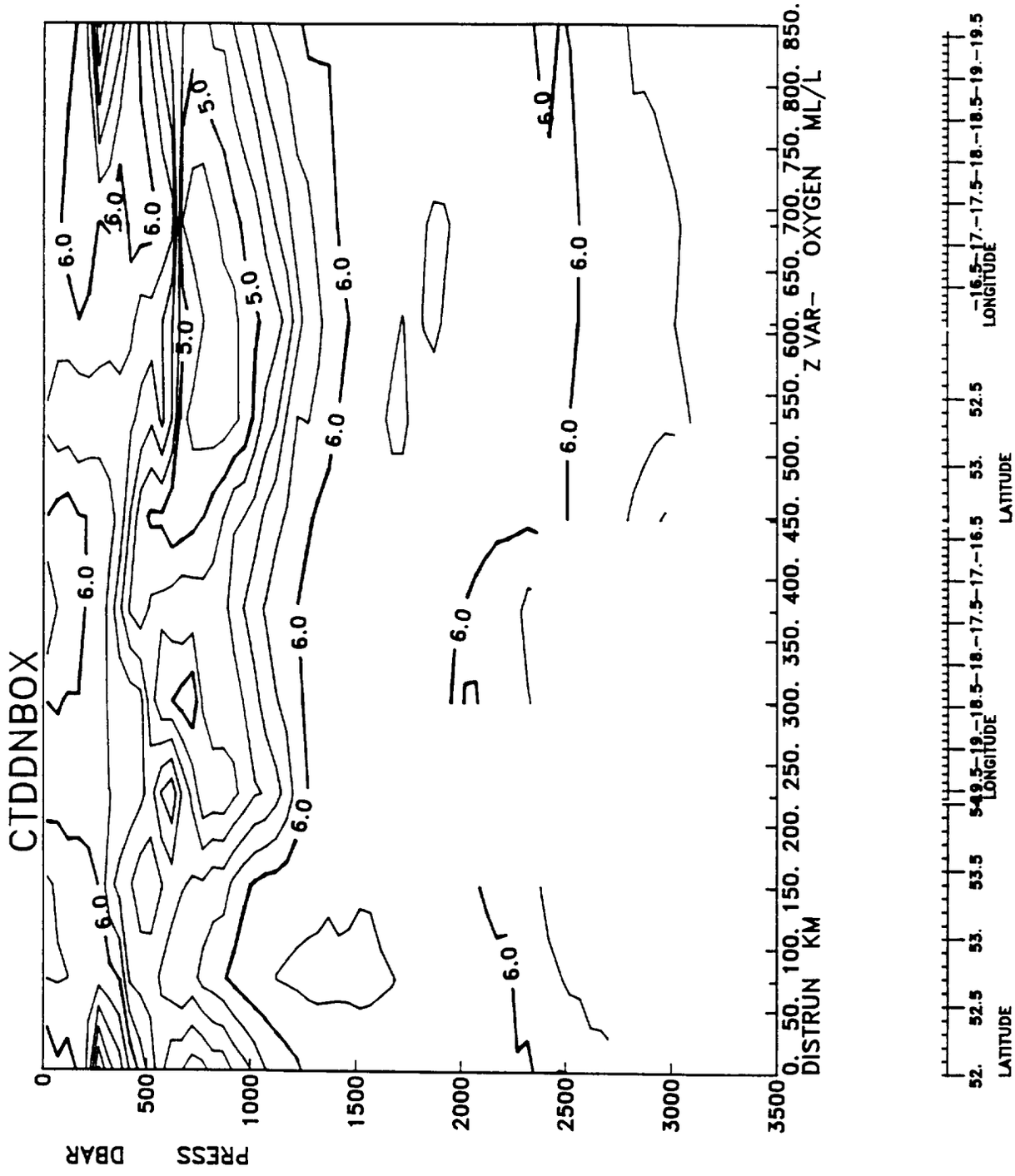



Fig. 6c Dissolved oxygen contoured around northern box

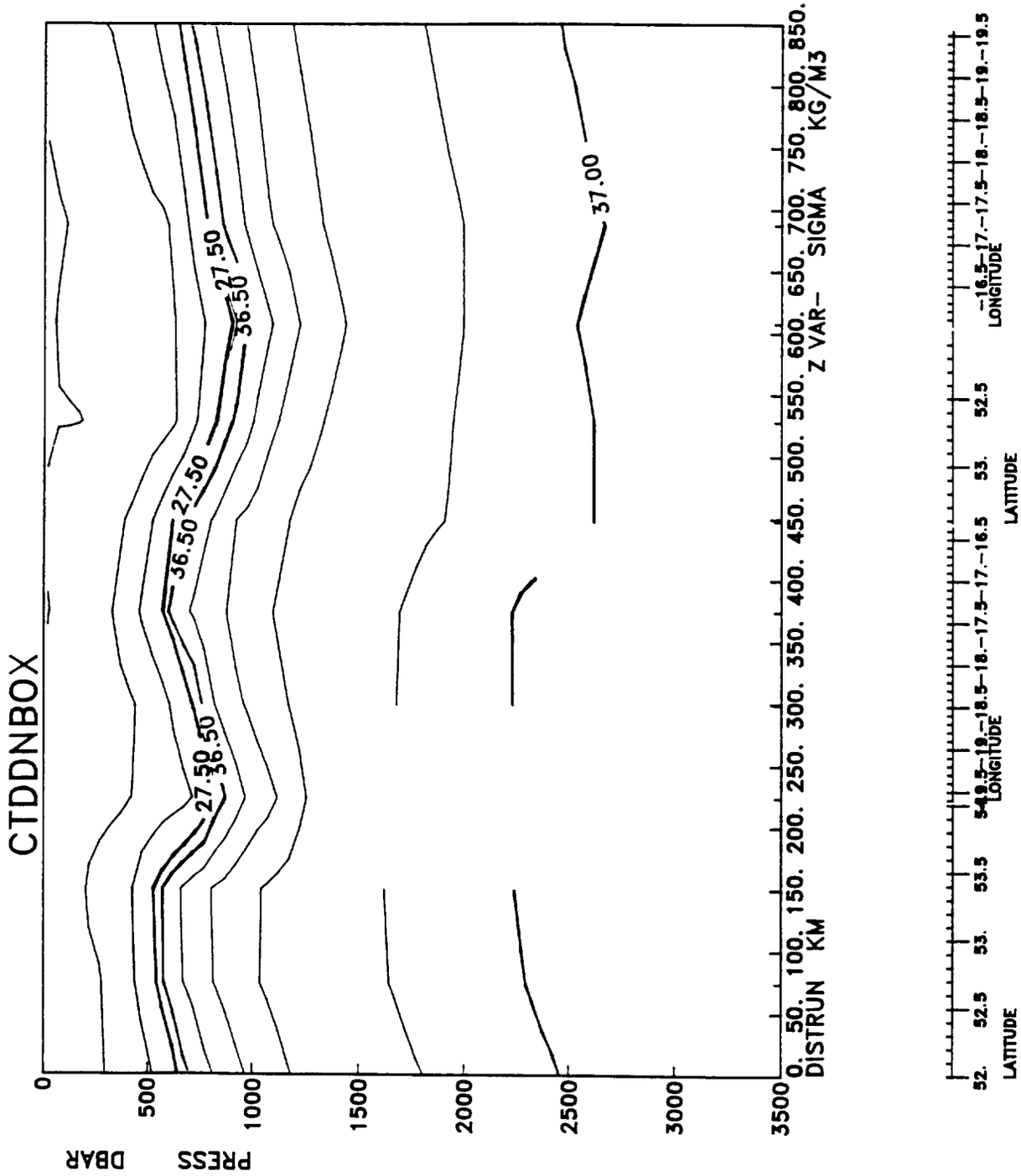



Fig. 6d Density contoured around northern box

## DISCOVERY 181 STATION 11799 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 90. | 11.880 | 11.868 | 5.32 | 0.12 | 0.62 | 6.22 |
| 187. | 11.752 | 11.728 | 13.63 | 0.08 | 0.80 | 6.66 |
| 566. | 10.512 | 10.442 | 16.31 | 0.06 | 1.34 | 11.99 |
| 955. | 9.833 | 9.718 | 16.28 | 0.07 | 1.54 | 14.65 |
| 1148. | 9.173 | 9.039 | 17.19 | 0.06 | 1.58 | 15.59 |
| 1677. | 4.700 | 4.554 | 17.50 | 0.08 | 1.73 | 18.26 |
| 2164. | 3.629 | 3.451 | 19.38 | 0.09 | 1.88 | 24.93 |
| 2911. | 2.835 | 2.596 | 20.12 | 0.11 | 2.06 | 33.72 |
| 3719. | 2.535 | 2.217 | 22.29 | 0.11 | 2.16 | 42.91 |
| 4617. | 2.509 | 2.087 | 23.24 | 0.12 | 2.36 | 46.83 |

## DISCOVERY 181 STATION 11801 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 3. | 0.021 | 0.021 | 3.63 | 0.16 | 0.61 | -9.99 |
| 92. | 12.316 | 12.304 | 4.12 | 0.24 | 0.63 | -9.99 |
| 192. | 12.293 | 12.267 | 4.84 | 0.26 | 0.68 | -9.99 |
| 394. | 11.099 | 11.050 | 8.26 | 0.13 | 0.84 | -9.99 |
| 592. | 10.589 | 10.516 | 10.13 | 0.12 | 0.93 | -9.99 |
| 990. | 10.232 | 10.110 | 12.74 | 0.11 | 0.99 | -9.99 |
| 1189. | 9.313 | 9.173 | 16.63 | 0.10 | 1.14 | -9.99 |
| 1744. | 4.332 | 4.185 | 18.12 | 0.09 | 1.27 | -9.99 |
| 2249. | 3.518 | 3.333 | 19.63 | 0.09 | 1.43 | -9.99 |
| 3002. | 2.803 | 2.556 | -9.99 | 0.09 | 1.68 | -9.99 |
| 3761. | 2.554 | 2.231 | -9.99 | 0.09 | 2.02 | -9.99 |
| 4512. | 2.502 | 2.093 | -9.99 | 0.04 | 2.18 | -9.99 |

## DISCOVERY 181 STATION 11806 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 94. | 12.431 | 12.418 | 3.34 | 0.18 | 0.83 | 2.00 |
| 379. | 11.194 | 11.146 | 11.73 | 0.15 | 1.43 | 3.00 |
| 968. | 9.885 | 9.768 | 17.25 | 0.10 | 1.82 | 6.50 |
| 3071. | 2.743 | 2.490 | 20.93 | 0.13 | 2.31 | 21.25 |

## DISCOVERY 181 STATION 11807 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 395. | 11.225 | 11.175 | 11.04 | 0.23 | 1.27 | 2.50 |
| 995. | 10.219 | 10.096 | 17.25 | 0.15 | 1.93 | 6.50 |
| 3086. | 2.786 | 2.530 | 20.24 | 0.20 | 2.31 | 21.50 |

## DISCOVERY 181 STATION 11808 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 161. | 12.688 | 12.666 | 2.42 | 0.32 | 0.56 | 2.00 |
| 384. | 11.162 | 11.114 | 10.01 | 0.42 | 0.97 | 5.40 |
| 972. | 10.649 | 10.526 | 14.61 | 0.13 | 1.38 | 11.40 |
| 3024. | 2.731 | 2.483 | 19.21 | 0.15 | 1.48 | 38.40 |

## DISCOVERY 181 STATION 11812 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 93. | 12.963 | 12.951 | -9.99 | -9.99 | -9.99 | -9.99 |
| 389. | 11.177 | 11.128 | -9.99 | 0.22 | 0.61 | 6.00 |
| 981. | 11.306 | 11.177 | -9.99 | 0.20 | 0.77 | 9.80 |
| 2149. | 4.015 | 3.832 | -9.99 | -9.99 | -9.99 | -9.99 |

## DISCOVERY 181 STATION 11813 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 7. | 13.621 | 13.620 | 2.42 | 0.49 | 0.51 | 3.20 |
| 98. | 13.634 | 13.620 | 2.53 | 0.48 | 0.56 | 3.60 |
| 195. | 12.625 | 12.599 | 8.86 | 0.18 | 0.94 | 5.60 |
| 392. | 11.262 | 11.212 | 11.62 | 0.14 | 1.15 | 8.00 |
| 591. | 10.903 | 10.828 | 14.03 | 0.11 | 1.22 | 8.40 |
| 795. | 11.288 | 11.185 | 14.84 | 0.14 | 1.35 | 10.40 |
| 996. | 10.999 | 10.871 | 15.30 | 0.14 | 1.38 | 11.80 |
| 1198. | 10.049 | 9.900 | 15.41 | 0.09 | 1.40 | 12.20 |
| 1746. | 5.259 | 5.099 | 16.68 | 0.10 | 1.58 | 16.80 |
| 2245. | 3.588 | 3.403 | 16.56 | 0.14 | 1.53 | 16.40 |
| 2745. | 2.888 | 2.666 | 34.85 | 0.13 | 1.58 | 27.20 |

## DISCOVERY 181 STATION 11814 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 197. | 11.764 | 11.738 | 6.94 | 0.16 | 1.02 | 5.27 |
| 396. | 10.997 | 10.947 | 10.26 | 0.12 | 1.26 | 8.63 |
| 598. | 10.840 | 10.765 | 11.93 | 0.09 | 1.31 | 10.12 |
| 797. | 10.972 | 10.870 | 14.63 | 0.09 | 1.38 | 13.93 |

## DISCOVERY 181 STATION 11815 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 4. | 13.299 | 13.298 | 2.28 | 0.46 | 0.56 | -9.99 |
| 9. | 13.302 | 13.301 | 2.46 | 0.31 | 0.54 | -9.99 |
| 94. | 13.171 | 13.158 | 2.94 | 0.14 | 0.73 | -9.99 |
| 189. | 12.328 | 12.303 | 5.74 | 0.12 | 0.99 | -9.99 |
| 390. | 11.234 | 11.185 | 8.36 | 0.09 | 1.12 | -9.99 |
| 596. | 10.847 | 10.773 | 10.12 | 0.10 | 1.36 | -9.99 |
| 796. | 10.996 | 10.895 | 14.64 | 0.07 | 1.29 | -9.99 |
| 997. | 10.937 | 10.809 | 16.39 | 0.08 | 1.46 | -9.99 |
| 1178. | 10.635 | 10.484 | -9.99 | -9.99 | -9.99 | -9.99 |
| 1720. | 5.282 | 5.125 | 18.14 | 0.10 | 1.66 | -9.99 |
| 2195. | 3.663 | 3.481 | 18.74 | 0.06 | 1.71 | -9.99 |
| 2959. | 2.882 | 2.638 | 20.13 | 0.09 | 1.93 | -9.99 |

## DISCOVERY 181 STATION 11823 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 0. | 13.682 | 13.682 | 2.98 | 0.29 | -9.99 | 4.27 |
| 95. | 13.697 | 13.683 | -9.99 | -9.99 | -9.99 | -9.99 |
| 194. | 12.327 | 12.301 | -9.99 | -9.99 | -9.99 | -9.99 |
| 393. | 11.353 | 11.302 | -9.99 | -9.99 | -9.99 | -9.99 |
| 586. | 10.375 | 10.304 | 7.63 | 0.22 | -9.99 | 5.13 |
| 788. | 9.815 | 9.721 | 9.14 | 0.18 | -9.99 | 7.64 |
| 989. | 9.062 | 8.948 | 10.12 | 0.13 | -9.99 | 9.83 |
| 1175. | 8.244 | 8.115 | 11.64 | 0.12 | -9.99 | 12.12 |
| 1733. | 4.243 | 4.098 | 10.93 | 0.10 | -9.99 | 14.64 |
| 2229. | 3.487 | 3.305 | 17.28 | 0.08 | -9.99 | 21.46 |
| 2744. | 3.010 | 2.785 | 18.63 | 0.08 | -9.99 | 33.68 |
| 3476. | 2.634 | 2.340 | 19.42 | 0.08 | -9.99 | -9.99 |

## DISCOVERY 181 STATION 11824 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 0. | 13.400 | -999.000 | -9.99 | -9.99 | -9.99 | -9.99 |
| 0. | 13.429 | 13.429 | 3.63 | 0.31 | -9.99 | -9.99 |
| 95. | 13.374 | 13.361 | -9.99 | -9.99 | -9.99 | -9.99 |
| 195. | 12.920 | 12.893 | -9.99 | -9.99 | -9.99 | -9.99 |
| 392. | 11.343 | 11.293 | 4.49 | 0.29 | -9.99 | -9.99 |
| 590. | 10.531 | 10.458 | 6.02 | 0.18 | -9.99 | -9.99 |
| 786. | 9.818 | 9.724 | 8.36 | 0.16 | -9.99 | -9.99 |
| 976. | 9.090 | 8.978 | 8.94 | 0.12 | -9.99 | -9.99 |
| 1174. | 7.471 | 7.349 | 10.12 | 0.11 | -9.99 | -9.99 |
| 1728. | 3.954 | 3.813 | 10.63 | 0.12 | -9.99 | -9.99 |
| 2226. | 3.454 | 3.273 | 14.93 | 0.12 | -9.99 | -9.99 |
| 2727. | 2.961 | 2.738 | 17.36 | 0.10 | -9.99 | -9.99 |
| 3487. | 2.603 | 2.309 | 21.24 | 0.09 | -9.99 | -9.99 |

## DISCOVERY 181 STATION 11825 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 2. | 13.240 | -999.000 | -9.99 | -9.99 | -9.99 | -9.99 |
| 3. | 13.226 | 13.225 | 4.29 | 0.39 | -9.99 | -9.99 |
| 96. | 13.141 | 13.128 | -9.99 | -9.99 | -9.99 | -9.99 |
| 196. | 12.977 | 12.950 | -9.99 | -9.99 | -9.99 | -9.99 |
| 398. | 11.233 | 11.183 | 7.93 | 0.32 | -9.99 | -9.99 |
| 595. | 10.093 | 10.022 | 7.21 | 0.14 | -9.99 | -9.99 |
| 796. | 9.316 | 9.224 | 8.96 | 0.12 | -9.99 | -9.99 |
| 996. | 8.418 | 8.308 | 10.46 | 0.12 | -9.99 | -9.99 |
| 1194. | 6.221 | 6.107 | 10.73 | 0.10 | -9.99 | -9.99 |
| 1742. | 3.945 | 3.803 | 10.62 | 0.11 | -9.99 | -9.99 |
| 2243. | 3.555 | 3.371 | 12.47 | 0.12 | -9.99 | -9.99 |
| 2741. | 3.027 | 2.802 | 15.97 | 0.09 | -9.99 | -9.99 |
| 3499. | 2.660 | 2.363 | 18.28 | 0.14 | -9.99 | -9.99 |

## DISCOVERY 181 STATION 11826 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 96. | 13.199 | 13.186 | -9.99 | -9.99 | -9.99 | -9.99 |
| 195. | 13.031 | 13.004 | 4.73 | 0.28 | -9.99 | -9.99 |
| 390. | 11.560 | 11.510 | 7.14 | 0.13 | -9.99 | -9.99 |
| 593. | 10.532 | 10.459 | 10.26 | 0.13 | -9.99 | -9.99 |
| 785. | 9.209 | 9.120 | 12.13 | 0.13 | -9.99 | -9.99 |
| 963. | 8.748 | 8.639 | 12.26 | 0.13 | -9.99 | -9.99 |
| 1166. | 7.552 | 7.429 | 14.28 | 0.13 | -9.99 | -9.99 |
| 1717. | 4.048 | 3.907 | 14.96 | 0.13 | -9.99 | -9.99 |
| 2215. | 3.431 | 3.251 | 13.84 | 0.13 | -9.99 | -9.99 |
| 2714. | 3.035 | 2.812 | 16.24 | 0.13 | -9.99 | -9.99 |
| 3470. | 2.648 | 2.354 | 19.64 | 0.13 | -9.99 | -9.99 |

## DISCOVERY 181 STATION 11828 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 96. | 12.611 | 12.598 | 4.24 | 0.36 | -9.99 | -9.99 |
| 188. | 12.613 | 12.587 | 4.83 | 0.21 | -9.99 | -9.99 |
| 375. | 11.455 | 11.407 | 7.12 | 0.13 | -9.99 | -9.99 |
| 590. | 10.946 | 10.872 | 8.47 | 0.12 | -9.99 | -9.99 |
| 795. | 10.360 | 10.262 | 9.64 | 0.10 | -9.99 | -9.99 |
| 992. | 10.140 | 10.019 | 10.28 | 0.10 | -9.99 | -9.99 |
| 1178. | 8.372 | 8.241 | 11.43 | 0.11 | -9.99 | -9.99 |
| 1708. | 4.028 | 3.888 | 12.64 | 0.13 | -9.99 | -9.99 |
| 3489. | 2.656 | 2.360 | 15.23 | 0.14 | -9.99 | -9.99 |

## DISCOVERY 181 STATION 11829 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 96. | 12.015 | 12.003 | -9.99 | -9.99 | -9.99 | -9.99 |
| 193. | 11.993 | 11.968 | 5.13 | 0.19 | -9.99 | -9.99 |
| 394. | 10.744 | 10.695 | 5.62 | 0.19 | -9.99 | -9.99 |
| 588. | 9.606 | 9.538 | 7.13 | 0.11 | -9.99 | -9.99 |
| 787. | 8.462 | 8.376 | 8.46 | 0.10 | -9.99 | -9.99 |
| 979. | 7.354 | 7.254 | 9.98 | 0.09 | -9.99 | -9.99 |
| 1180. | 5.376 | 5.272 | 10.13 | 0.09 | -9.99 | -9.99 |
| 1740. | 3.744 | 3.605 | 10.12 | 0.08 | -9.99 | -9.99 |
| 2239. | 3.498 | 3.315 | 11.93 | 0.09 | -9.99 | -9.99 |
| 2740. | 3.136 | 2.910 | 13.64 | 0.10 | -9.99 | -9.99 |
| 3492. | 2.687 | 2.391 | 19.12 | 0.11 | -9.99 | -9.99 |

## DISCOVERY 181 STATION 11830 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 1. | 12.023 | 12.023 | 6.46 | 0.25 | -9.99 | -9.99 |
| 94. | 12.037 | 12.024 | -9.99 | -9.99 | -9.99 | -9.99 |
| 193. | 12.047 | 12.021 | 6.56 | 0.23 | -9.99 | -9.99 |
| 392. | 11.412 | 11.362 | 10.06 | 0.18 | -9.99 | -9.99 |
| 592. | 10.330 | 10.258 | 10.63 | 0.18 | -9.99 | -9.99 |
| 789. | 9.765 | 9.671 | 15.12 | 0.18 | -9.99 | -9.99 |
| 990. | 7.916 | 7.810 | 16.04 | 0.18 | -9.99 | -9.99 |
| 1188. | 6.221 | 6.109 | 16.27 | 0.18 | -9.99 | -9.99 |
| 1736. | 3.767 | 3.627 | 15.23 | 0.18 | -9.99 | -9.99 |
| 2236. | 3.511 | 3.328 | 15.31 | 0.10 | -9.99 | -9.99 |
| 2732. | 3.094 | 2.868 | 16.23 | 0.10 | -9.99 | -9.99 |
| 3476. | 2.649 | 2.355 | 16.46 | 0.10 | -9.99 | -9.99 |
| 3965. | 2.560 | 2.213 | 18.16 | 0.10 | -9.99 | -9.99 |

## DISCOVERY 181 STATION 11831 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 2. | 11.984 | 11.984 | -9.99 | -9.99 | -9.99 | -9.99 |
| 97. | 11.946 | 11.933 | 7.29 | 0.30 | -9.99 | -9.99 |
| 197. | 11.957 | 11.931 | 13.88 | 0.15 | -9.99 | -9.99 |
| 395. | 11.053 | 11.003 | 11.24 | 0.15 | -9.99 | -9.99 |
| 593. | 10.376 | 10.304 | 11.72 | 0.13 | -9.99 | -9.99 |
| 789. | 9.284 | 9.194 | 15.41 | 0.13 | -9.99 | -9.99 |
| 994. | 8.085 | 7.978 | 16.27 | 0.18 | -9.99 | -9.99 |
| 1196. | 6.554 | 6.437 | 16.04 | 0.18 | -9.99 | -9.99 |
| 1746. | 3.867 | 3.726 | 15.66 | 0.10 | -9.99 | -9.99 |
| 2247. | 3.538 | 3.353 | 15.63 | 0.13 | -9.99 | -9.99 |
| 2247. | 3.537 | 3.352 | 16.25 | 0.20 | -9.99 | -9.99 |
| 2752. | 3.123 | 2.895 | 16.37 | 0.08 | -9.99 | -9.99 |
| 3509. | 2.627 | 2.330 | -9.99 | -9.99 | -9.99 | -9.99 |

## DISCOVERY 181 STATION 11832 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 16. | 12.144 | 12.142 | 7.02 | 0.30 | 0.65 | -9.99 |
| 91. | 12.108 | 12.096 | 7.71 | 0.33 | 0.63 | -9.99 |
| 183. | 12.119 | 12.095 | 8.86 | 0.15 | 0.63 | -9.99 |
| 388. | 11.826 | 11.775 | 13.69 | 0.15 | 0.78 | -9.99 |
| 590. | 10.437 | 10.365 | 15.99 | 0.13 | 0.85 | -9.99 |
| 792. | 9.278 | 9.187 | 16.68 | 0.13 | 0.83 | -9.99 |
| 990. | 8.720 | 8.609 | 17.48 | 0.17 | 0.88 | -9.99 |
| 1169. | 6.447 | 6.334 | 16.45 | 0.13 | 0.88 | -9.99 |
| 1174. | 6.384 | 6.271 | -9.99 | -9.99 | -9.99 | -9.99 |
| 1734. | 3.865 | 3.725 | 16.33 | 0.15 | 0.99 | -9.99 |
| 2240. | 3.572 | 3.388 | 16.45 | 0.17 | 1.14 | -9.99 |
| 2241. | 3.571 | 3.386 | -9.99 | -9.99 | -9.99 | -9.99 |
| 2241. | 3.570 | 3.385 | -9.99 | -9.99 | -9.99 | -9.99 |
| 2734. | 3.216 | 2.988 | 16.91 | 0.17 | 1.46 | -9.99 |
| 3496. | 2.691 | 2.394 | 19.32 | 0.17 | 1.89 | -9.99 |

## DISCOVERY 181 STATION 11833 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 97. | 12.114 | 12.102 | 7.71 | 0.29 | 0.67 | -9.99 |
| 198. | 11.970 | 11.944 | 8.51 | 0.14 | 0.64 | -9.99 |
| 396. | 11.490 | 11.439 | 11.85 | 0.13 | 0.63 | -9.99 |
| 595. | 10.395 | 10.323 | 13.11 | 0.12 | 0.79 | -9.99 |
| 786. | 9.142 | 9.052 | 16.79 | 0.11 | 0.84 | -9.99 |
| 995. | 8.068 | 7.962 | -9.99 | -9.99 | -9.99 | -9.99 |
| 1188. | 5.791 | 5.682 | 17.25 | 0.13 | 0.87 | -9.99 |
| 1717. | 3.837 | 3.699 | 17.02 | 0.10 | 1.04 | -9.99 |
| 2097. | 3.612 | 3.441 | 16.91 | 0.19 | 1.28 | -9.99 |
| 2110. | 3.597 | 3.425 | -9.99 | -9.99 | -9.99 | -9.99 |
| 2125. | 3.590 | 3.417 | -9.99 | -9.99 | -9.99 | -9.99 |
| 2461. | 3.340 | 3.138 | 17.14 | 0.16 | 1.59 | -9.99 |
| 3298. | 2.730 | 2.453 | -9.99 | -9.99 | -9.99 | -9.99 |

## DISCOVERY 181 STATION 11836 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 2. | 11.432 | 11.432 | 6.12 | -9.99 | -9.99 | -9.99 |
| 95. | 11.414 | 11.402 | 6.42 | -9.99 | -9.99 | -9.99 |
| 194. | 11.423 | 11.398 | 6.42 | -9.99 | -9.99 | -9.99 |
| 395. | 11.439 | 11.388 | 7.93 | -9.99 | -9.99 | -9.99 |
| 592. | 10.508 | 10.435 | 10.12 | -9.99 | -9.99 | -9.99 |

## DISCOVERY 181 STATION 11837 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 93. | 11.423 | 11.412 | 6.26 | -9.99 | -9.99 | -9.99 |
| 194. | 11.414 | 11.389 | 6.43 | -9.99 | -9.99 | -9.99 |
| 390. | 11.335 | 11.285 | 7.07 | -9.99 | -9.99 | -9.99 |
| 591. | 10.292 | 10.220 | 8.13 | -9.99 | -9.99 | -9.99 |
| 792. | 8.552 | 8.465 | 10.46 | -9.99 | -9.99 | -9.99 |
| 974. | 6.559 | 6.466 | 11.12 | -9.99 | -9.99 | -9.99 |
| 1172. | 5.387 | 5.284 | 12.13 | -9.99 | -9.99 | -9.99 |
| 1708. | 3.769 | 3.632 | 13.27 | -9.99 | -9.99 | -9.99 |
| 2229. | 3.562 | 3.379 | 14.92 | -9.99 | -9.99 | -9.99 |
| 2735. | 3.171 | 2.944 | 14.63 | -9.99 | -9.99 | -9.99 |
| 3470. | 2.671 | 2.378 | -9.99 | -9.99 | -9.99 | -9.99 |

## DISCOVERY 181 STATION 11842 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 16. | 10.196 | 10.194 | 7.71 | 0.32 | 0.69 | -9.99 |
| 97. | 9.349 | 9.338 | 8.74 | 0.42 | 0.79 | -9.99 |
| 197. | 9.370 | 9.348 | 11.47 | 0.29 | 0.92 | -9.99 |
| 391. | 8.363 | 8.322 | 14.51 | 0.26 | 0.98 | -9.99 |
| 595. | 7.578 | 7.518 | 17.45 | 0.18 | 0.99 | -9.99 |
| 793. | 6.614 | 6.539 | 17.92 | 0.19 | 1.08 | -9.99 |
| 986. | 5.276 | 5.190 | 17.86 | 0.15 | 1.19 | -9.99 |
| 1170. | 4.439 | 4.344 | 17.42 | 0.18 | 1.28 | -9.99 |
| 1704. | 3.625 | 3.491 | 16.80 | 0.17 | 1.68 | -9.99 |
| 2208. | 3.391 | 3.212 | 16.90 | 0.16 | 1.78 | -9.99 |
| 2710. | 2.944 | 2.724 | 17.86 | 0.15 | 1.89 | -9.99 |
| 3449. | 2.537 | 2.249 | 21.55 | 0.14 | 1.94 | -9.99 |

## DISCOVERY 181 STATION 11845 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 4. | 9.931 | 9.930 | 7.59 | 0.30 | 0.61 | -9.99 |
| 22. | 9.930 | 9.928 | 7.36 | 0.24 | 0.62 | -9.99 |
| 45. | 9.864 | 9.859 | 7.48 | 0.26 | 0.69 | -9.99 |
| 96. | 9.836 | 9.825 | 7.71 | 0.27 | 0.72 | -9.99 |
| 197. | 9.830 | 9.807 | 11.01 | 0.51 | 0.83 | -9.99 |
| 395. | 9.683 | 9.637 | 11.32 | 0.21 | 0.89 | -9.99 |
| 594. | 9.274 | 9.207 | 11.63 | 0.18 | 0.98 | -9.99 |
| 790. | 7.909 | 7.827 | 16.05 | 0.18 | 1.06 | -9.99 |
| 988. | 6.281 | 6.189 | 17.12 | 0.15 | 1.14 | -9.99 |
| 1187. | 5.102 | 5.000 | 16.59 | 0.18 | 1.46 | -9.99 |
| 1447. | 3.862 | 3.748 | -9.99 | -9.99 | -9.99 | -9.99 |

## DISCOVERY 181 STATION 11846 NUTRIENT DATA

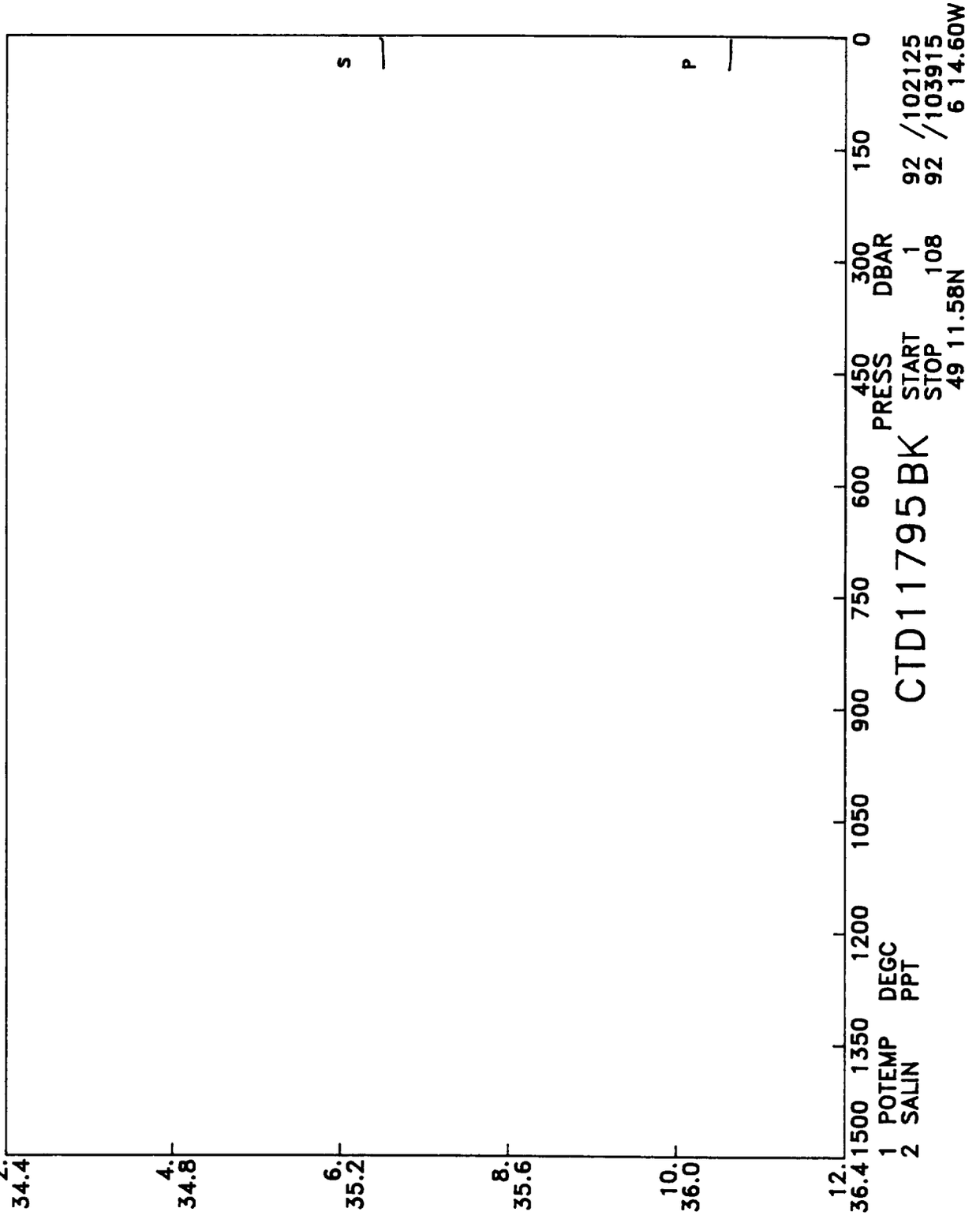
| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 2. | 9.999 | 9.999 | 7.63 | 0.27 | 0.59 | -9.99 |
| 7. | 9.985 | 9.985 | 7.63 | 0.32 | 0.60 | -9.99 |
| 21. | 9.951 | 9.949 | 7.84 | 0.31 | 0.61 | -9.99 |
| 96. | 9.846 | 9.835 | 8.93 | 0.36 | 0.69 | -9.99 |
| 195. | 9.681 | 9.659 | 9.12 | 0.43 | 0.81 | -9.99 |
| 394. | 9.882 | 9.836 | 9.24 | 0.14 | 0.92 | -9.99 |
| 584. | 8.204 | 8.143 | 11.28 | 0.12 | 0.99 | -9.99 |
| 772. | 6.266 | 6.195 | 12.94 | 0.13 | 1.01 | -9.99 |
| 974. | 5.526 | 5.440 | 13.62 | 0.11 | 1.22 | -9.99 |
| 1176. | 4.435 | 4.340 | 13.51 | 0.12 | 1.36 | -9.99 |
| 2425. | 2.819 | 2.630 | 14.93 | 0.13 | 1.47 | -9.99 |

## DISCOVERY 181 STATION 11847 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 11. | 10.347 | 10.346 | 6.47 | 0.31 | -9.99 | -9.99 |
| 21. | 10.374 | 10.372 | 6.32 | 0.36 | -9.99 | -9.99 |
| 95. | 10.175 | 10.164 | 6.84 | 0.32 | -9.99 | -9.99 |
| 196. | 9.592 | 9.570 | 7.43 | 0.24 | -9.99 | -9.99 |
| 395. | 8.239 | 8.197 | 9.26 | 0.18 | -9.99 | -9.99 |
| 595. | 6.518 | 6.463 | 11.23 | 0.19 | -9.99 | -9.99 |
| 844. | 5.747 | 5.672 | 12.46 | 0.17 | -9.99 | -9.99 |
| 993. | 4.948 | 4.864 | 14.28 | 0.16 | -9.99 | -9.99 |
| 1189. | 4.226 | 4.131 | 13.63 | 0.14 | -9.99 | -9.99 |
| 1744. | 3.575 | 3.438 | 13.82 | 0.13 | -9.99 | -9.99 |
| 2343. | 2.883 | 2.700 | 14.93 | 0.14 | -9.99 | -9.99 |

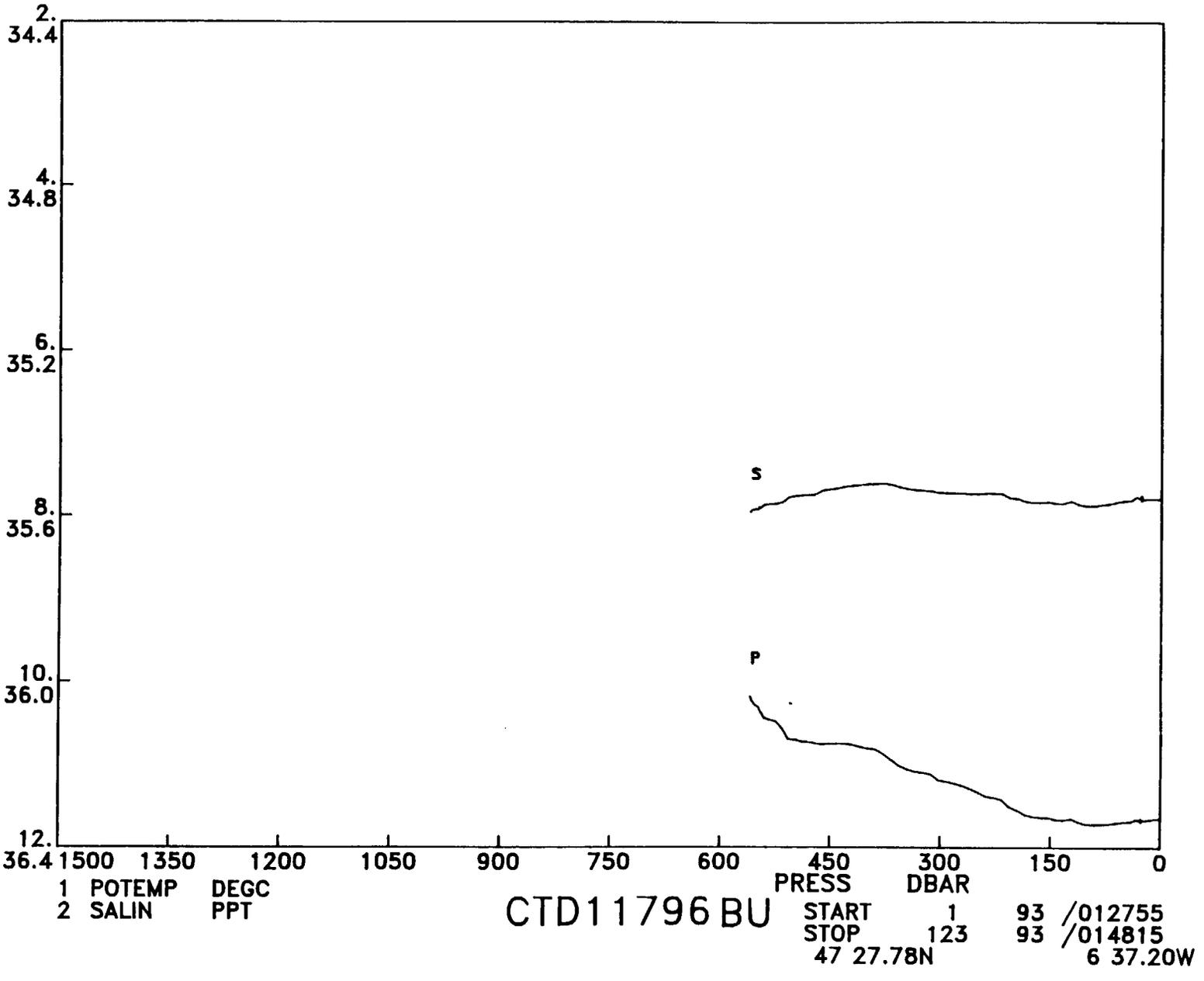
# DISCOVERY 181 STATION 11848 NUTRIENT DATA

| PRES DB | TEMP DEGC | POTEMP DEGC | NITRATE UM/L | NITRITE UM/L | PHSPHATE UM/L | SILICATE UM/L |
|---|---|---|---|---|---|---|
| 5. | 10.275 | 10.275 | 5.83 | 0.29 | -9.99 | -9.99 |
| 19. | 10.169 | 10.166 | 6.04 | 0.31 | -9.99 | -9.99 |
| 93. | 9.822 | 9.811 | 6.46 | 0.33 | -9.99 | -9.99 |
| 195. | 9.520 | 9.498 | 6.73 | 0.31 | -9.99 | -9.99 |
| 394. | 9.086 | 9.042 | 9.46 | 0.29 | -9.99 | -9.99 |
| 595. | 7.215 | 7.157 | 10.43 | 0.17 | -9.99 | -9.99 |
| 796. | 6.511 | 6.436 | 11.12 | 0.16 | -9.99 | -9.99 |
| 996. | 5.243 | 5.157 | 12.36 | 0.15 | -9.99 | -9.99 |
| 1197. | 4.423 | 4.326 | 13.07 | 0.14 | -9.99 | -9.99 |
| 1748. | 3.641 | 3.502 | 13.63 | 0.13 | -9.99 | -9.99 |
| 2979. | 2.456 | 2.219 | 14.76 | 0.12 | -9.99 | -9.99 |


S
P
CTD11795BK
START 92 /102125
STOP 92 /103915
49 11.58N 6 14.60W
PRESS DBAR
0 150 300 450 600 750 900 1050 1200 1350 1500
1 POTEMP DEGC
2 SALIN PPT
2. 4. 6. 8. 10. 12.
34.4 34.8 35.2 35.6 36.0 36.4

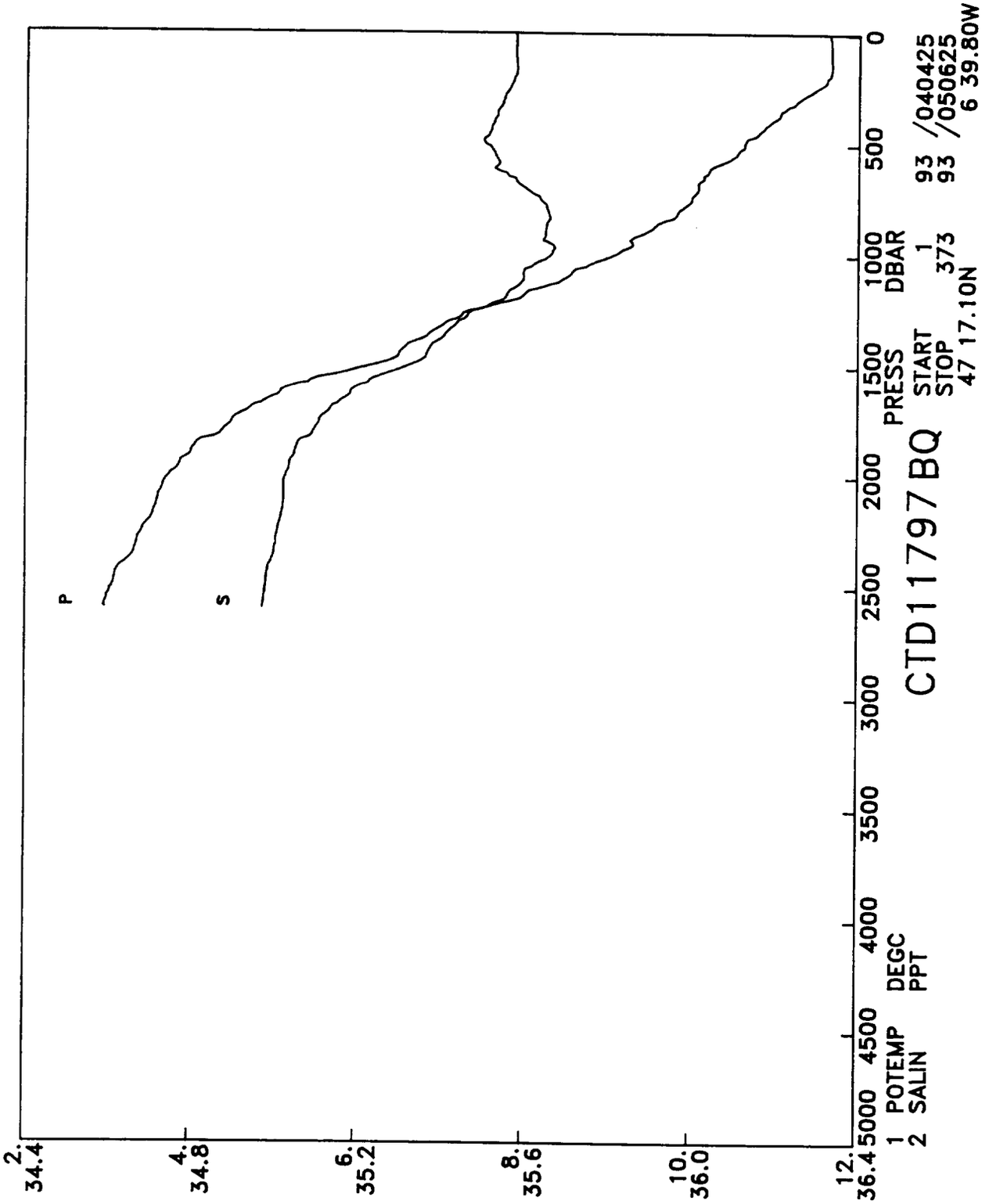
# DISCOVERY 181 STATION 11795

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMAQ $KG/M^3$ | SIG1000 $KG/M^3$ | SIG2000 $KG/M^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}M^3/KG$ | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 10.625 | 35.297 | | 10.624 | 27.08 | 31.515 | 35.856 | 0.010 | 1492.6 | 10. | 97.88 | -9.999 |
| 20. | 10.624 | 35.298 | | 10.622 | 27.08 | 31.516 | 35.857 | 0.020 | 1492.7 | 20. | 98.06 | 0.491 |
| 30. | 10.623 | 35.298 | | 10.620 | 27.08 | 31.517 | 35.857 | 0.029 | 1492.9 | 30. | 98.24 | 0.482 |
| 40. | 10.616 | 35.299 | | 10.611 | 27.08 | 31.518 | 35.860 | 0.039 | 1493.0 | 40. | 98.32 | 0.746 |


2.
34.4
4.
34.8
6.
35.2
8.
35.6
10.
36.0
12.
36.4
1500
1350
1200
1050
900
750
600
450
300
150
0
PRESS DBAR
S
P
1 POTEMP DEGC
2 SALIN PPT
CTD11796BU
START 1 93 /012755
STOP 123 93 /014815
47 27.78N
6 37.20W

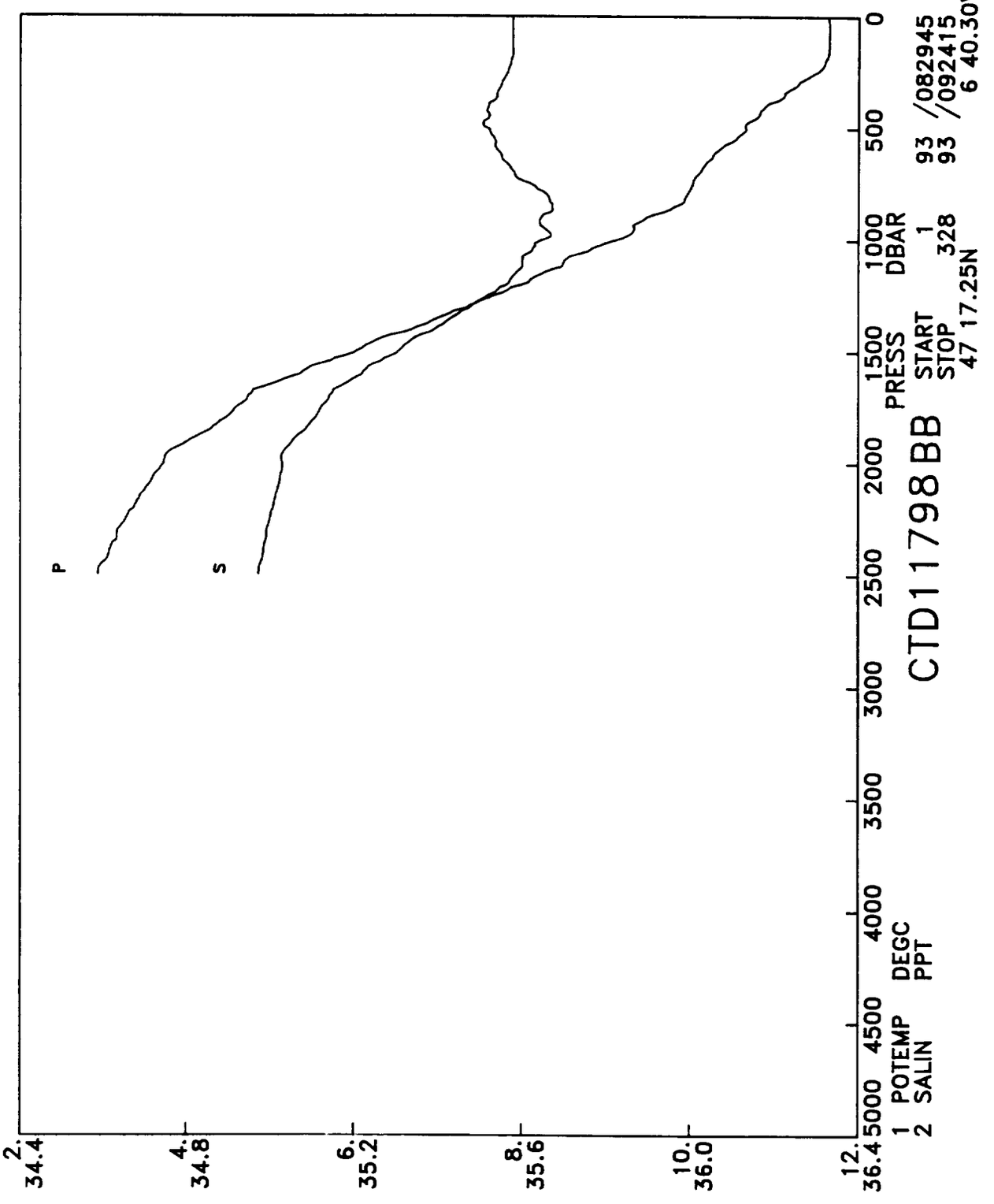
## DISCOVERY 181 STATION 11796

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 11.657 | 35.559 | | 11.656 | 27.09 | 31.506 | 35.824 | 0.010 | 1496.5 | 10. | 96.57 | -9.999 |
| 20. | 11.669 | 35.559 | | 11.666 | 27.09 | 31.504 | 35.822 | 0.019 | 1496.7 | 20. | 97.02 | -0.758 |
| 30. | 11.673 | 35.560 | | 11.670 | 27.09 | 31.504 | 35.822 | 0.029 | 1496.9 | 30. | 97.25 | 0.367 |
| 40. | 11.690 | 35.563 | | 11.684 | 27.09 | 31.503 | 35.821 | 0.039 | 1497.1 | 40. | 97.61 | -0.527 |
| 50. | 11.696 | 35.565 | | 11.689 | 27.09 | 31.503 | 35.821 | 0.049 | 1497.3 | 50. | 97.83 | 0.385 |
| 60. | 11.710 | 35.567 | | 11.703 | 27.09 | 31.503 | 35.820 | 0.058 | 1497.5 | 59. | 98.16 | -0.410 |
| 70. | 11.724 | 35.572 | | 11.715 | 27.09 | 31.504 | 35.821 | 0.068 | 1497.7 | 69. | 98.30 | 0.647 |
| 80. | 11.728 | 35.574 | | 11.718 | 27.09 | 31.504 | 35.821 | 0.078 | 1497.9 | 79. | 98.50 | 0.494 |
| 100. | 11.729 | 35.576 | | 11.716 | 27.09 | 31.506 | 35.823 | 0.098 | 1498.2 | 99. | 98.86 | 0.562 |
| 120. | 11.663 | 35.564 | | 11.647 | 27.09 | 31.512 | 35.830 | 0.118 | 1498.3 | 119. | 99.05 | 0.775 |
| 140. | 11.681 | 35.570 | | 11.663 | 27.10 | 31.513 | 35.832 | 0.137 | 1498.7 | 139. | 99.38 | 0.598 |
| 160. | 11.655 | 35.567 | | 11.634 | 27.10 | 31.517 | 35.836 | 0.157 | 1499.0 | 159. | 99.61 | 0.715 |
| 180. | 11.631 | 35.566 | | 11.608 | 27.10 | 31.522 | 35.841 | 0.177 | 1499.2 | 178. | 99.76 | 0.808 |
| 200. | 11.554 | 35.557 | | 11.528 | 27.11 | 31.531 | 35.852 | 0.197 | 1499.3 | 198. | 99.56 | 1.114 |
| 220. | 11.420 | 35.545 | | 11.392 | 27.13 | 31.550 | 35.874 | 0.217 | 1499.1 | 218. | 98.51 | 1.627 |
| 240. | 11.407 | 35.546 | | 11.377 | 27.13 | 31.554 | 35.878 | 0.237 | 1499.4 | 238. | 98.68 | 0.786 |
| 260. | 11.319 | 35.547 | | 11.286 | 27.15 | 31.574 | 35.900 | 0.256 | 1499.4 | 258. | 97.47 | 1.705 |
| 280. | 11.262 | 35.544 | | 11.227 | 27.16 | 31.584 | 35.911 | 0.276 | 1499.6 | 277. | 97.16 | 1.182 |
| 300. | 11.225 | 35.543 | | 11.187 | 27.17 | 31.591 | 35.919 | 0.295 | 1499.8 | 297. | 97.01 | 1.056 |
| 320. | 11.138 | 35.538 | | 11.098 | 27.18 | 31.606 | 35.935 | 0.314 | 1499.8 | 317. | 96.31 | 1.432 |
| 340. | 11.113 | 35.536 | | 11.070 | 27.18 | 31.610 | 35.940 | 0.334 | 1500.0 | 337. | 96.48 | 0.763 |
| 360. | 11.043 | 35.529 | | 10.998 | 27.19 | 31.619 | 35.950 | 0.353 | 1500.1 | 357. | 96.24 | 1.123 |
| 380. | 10.911 | 35.522 | | 10.864 | 27.21 | 31.640 | 35.975 | 0.372 | 1500.0 | 376. | 94.89 | 1.763 |
| 400. | 10.849 | 35.524 | | 10.799 | 27.22 | 31.655 | 35.991 | 0.391 | 1500.1 | 396. | 94.06 | 1.499 |
| 450. | 10.801 | 35.536 | | 10.745 | 27.24 | 31.675 | 36.012 | 0.438 | 1500.7 | 446. | 93.53 | 1.097 |
| 500. | 10.757 | 35.554 | | 10.696 | 27.26 | 31.699 | 36.036 | 0.484 | 1501.4 | 495. | 92.58 | 1.216 |
| 550. | 10.384 | 35.582 | | 10.317 | 27.35 | 31.796 | 36.141 | 0.529 | 1501.0 | 545. | 85.01 | 2.430 |


2.
34.4
4.
34.8
6.
35.2
8.
35.6
10.
36.0
12.
36.4
5000 4500 4000 3500 3000 2500 2000 1500 1000 500 0
PRESS DBAR
1 POTEMP DEGC
2 SALIN PPT
P
S
CTD11797BQ
START 1 93 /040425
STOP 373 93 /050625
47 17.10N 6 39.80W

# DISCOVERY 181 STATION 11797

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 11.652 | 35.580 | | 11.650 | 27.11 | 31.524 | 35.842 | 0.009 | 1496.5 | 10. | 94.90 | -9.999 |
| 20. | 11.658 | 35.579 | | 11.655 | 27.11 | 31.521 | 35.840 | 0.019 | 1496.7 | 20. | 95.36 | -0.804 |
| 30. | 11.668 | 35.578 | | 11.664 | 27.10 | 31.519 | 35.837 | 0.029 | 1496.9 | 30. | 95.82 | -0.771 |
| 40. | 11.671 | 35.579 | | 11.666 | 27.10 | 31.520 | 35.838 | 0.038 | 1497.0 | 40. | 96.06 | 0.325 |
| 50. | 11.675 | 35.580 | | 11.668 | 27.10 | 31.520 | 35.838 | 0.048 | 1497.2 | 50. | 96.32 | 0.207 |
| 60. | 11.676 | 35.578 | | 11.668 | 27.10 | 31.518 | 35.836 | 0.057 | 1497.4 | 60. | 96.72 | -0.647 |
| 70. | 11.678 | 35.578 | | 11.669 | 27.10 | 31.518 | 35.836 | 0.067 | 1497.6 | 70. | 97.04 | -0.417 |
| 80. | 11.681 | 35.578 | | 11.670 | 27.10 | 31.517 | 35.835 | 0.077 | 1497.7 | 80. | 97.36 | -0.374 |
| 100. | 11.681 | 35.579 | | 11.668 | 27.10 | 31.519 | 35.837 | 0.096 | 1498.1 | 99. | 97.78 | 0.440 |
| 120. | 11.683 | 35.580 | | 11.668 | 27.10 | 31.520 | 35.838 | 0.116 | 1498.4 | 119. | 98.22 | 0.428 |
| 140. | 11.693 | 35.582 | | 11.675 | 27.10 | 31.520 | 35.838 | 0.136 | 1498.8 | 139. | 98.76 | 0.083 |
| 160. | 11.688 | 35.582 | | 11.667 | 27.11 | 31.521 | 35.839 | 0.155 | 1499.1 | 159. | 99.16 | 0.497 |
| 180. | 11.676 | 35.578 | | 11.652 | 27.11 | 31.522 | 35.840 | 0.175 | 1499.4 | 179. | 99.69 | 0.171 |
| 200. | 11.640 | 35.574 | | 11.614 | 27.11 | 31.526 | 35.845 | 0.195 | 1499.6 | 199. | 99.87 | 0.774 |
| 220. | 11.619 | 35.571 | | 11.591 | 27.11 | 31.529 | 35.848 | 0.215 | 1499.8 | 219. | 100.20 | 0.592 |
| 240. | 11.534 | 35.565 | | 11.503 | 27.12 | 31.542 | 35.864 | 0.235 | 1499.9 | 239. | 99.59 | 1.386 |
| 260. | 11.457 | 35.560 | | 11.424 | 27.13 | 31.555 | 35.878 | 0.255 | 1499.9 | 258. | 99.01 | 1.362 |
| 280. | 11.375 | 35.552 | | 11.340 | 27.14 | 31.567 | 35.891 | 0.275 | 1500.0 | 278. | 98.61 | 1.248 |
| 300. | 11.303 | 35.550 | | 11.265 | 27.16 | 31.580 | 35.906 | 0.295 | 1500.0 | 298. | 97.95 | 1.412 |
| 320. | 11.249 | 35.548 | | 11.209 | 27.16 | 31.590 | 35.917 | 0.314 | 1500.2 | 318. | 97.62 | 1.192 |
| 340. | 11.156 | 35.540 | | 11.113 | 27.18 | 31.604 | 35.933 | 0.334 | 1500.2 | 338. | 97.00 | 1.387 |
| 360. | 11.099 | 35.536 | | 11.054 | 27.18 | 31.613 | 35.943 | 0.353 | 1500.3 | 358. | 96.75 | 1.133 |
| 380. | 11.044 | 35.529 | | 10.996 | 27.19 | 31.619 | 35.951 | 0.372 | 1500.4 | 378. | 96.74 | 0.940 |
| 400. | 10.987 | 35.526 | | 10.937 | 27.20 | 31.629 | 35.962 | 0.392 | 1500.6 | 397. | 96.36 | 1.223 |
| 450. | 10.848 | 35.516 | | 10.792 | 27.22 | 31.650 | 35.986 | 0.440 | 1500.9 | 447. | 95.80 | 1.109 |
| 500. | 10.681 | 35.511 | | 10.619 | 27.24 | 31.681 | 36.020 | 0.487 | 1501.1 | 497. | 94.36 | 1.344 |
| 550. | 10.582 | 35.532 | | 10.515 | 27.28 | 31.718 | 36.060 | 0.534 | 1501.6 | 546. | 92.15 | 1.521 |
| 600. | 10.310 | 35.530 | | 10.237 | 27.33 | 31.771 | 36.118 | 0.579 | 1501.5 | 596. | 88.62 | 1.784 |
| 700. | 10.164 | 35.607 | | 10.079 | 27.41 | 31.862 | 36.212 | 0.664 | 1502.7 | 695. | 82.56 | 1.685 |
| 800. | 9.933 | 35.658 | | 9.836 | 27.49 | 31.948 | 36.303 | 0.743 | 1503.6 | 794. | 76.93 | 1.639 |
| 900. | 9.528 | 35.650 | | 9.422 | 27.56 | 32.021 | 36.384 | 0.818 | 1503.8 | 893. | 72.52 | 1.503 |
| 1000. | 9.162 | 35.660 | | 9.046 | 27.63 | 32.099 | 36.470 | 0.888 | 1504.1 | 992. | 67.48 | 1.564 |
| 1100. | 8.621 | 35.600 | | 8.497 | 27.67 | 32.153 | 36.536 | 0.954 | 1503.7 | 1091. | 64.54 | 1.308 |
| 1200. | 8.016 | 35.548 | | 7.886 | 27.72 | 32.219 | 36.617 | 1.016 | 1503.0 | 1190. | 60.09 | 1.475 |
| 1300. | 7.215 | 35.442 | | 7.081 | 27.76 | 32.273 | 36.689 | 1.073 | 1501.5 | 1289. | 56.46 | 1.360 |
| 1400. | 6.744 | 35.380 | | 6.603 | 27.77 | 32.302 | 36.730 | 1.129 | 1501.3 | 1388. | 55.10 | 1.020 |
| 1500. | 6.294 | 35.324 | | 6.147 | 27.79 | 32.330 | 36.769 | 1.184 | 1501.1 | 1486. | 53.59 | 1.026 |
| 1600. | 5.272 | 35.191 | | 5.127 | 27.81 | 32.379 | 36.843 | 1.236 | 1498.5 | 1585. | 49.18 | 1.407 |
| 1700. | 4.838 | 35.133 | | 4.688 | 27.82 | 32.395 | 36.870 | 1.285 | 1498.4 | 1684. | 48.27 | 0.860 |
| 1800. | 4.512 | 35.092 | | 4.356 | 27.82 | 32.408 | 36.892 | 1.332 | 1498.6 | 1782. | 47.60 | 0.790 |
| 1900. | 4.141 | 35.049 | | 3.981 | 27.83 | 32.424 | 36.918 | 1.379 | 1498.7 | 1881. | 46.42 | 0.879 |
| 2000. | 3.893 | 35.028 | | 3.726 | 27.84 | 32.440 | 36.941 | 1.425 | 1499.3 | 1980. | 45.36 | 0.842 |
| 2100. | 3.777 | 35.025 | | 3.603 | 27.85 | 32.454 | 36.958 | 1.470 | 1500.5 | 2078. | 44.79 | 0.725 |
| 2200. | 3.673 | 35.015 | | 3.490 | 27.85 | 32.461 | 36.967 | 1.515 | 1501.8 | 2176. | 44.79 | 0.569 |
| 2300. | 3.535 | 35.005 | | 3.345 | 27.86 | 32.471 | 36.981 | 1.559 | 1502.9 | 2275. | 44.33 | 0.687 |
| 2400. | 3.341 | 34.988 | | 3.145 | 27.86 | 32.482 | 36.997 | 1.603 | 1503.7 | 2373. | 43.55 | 0.754 |
| 2500. | 3.247 | 34.980 | | 3.042 | 27.87 | 32.488 | 37.007 | 1.647 | 1505.0 | 2472. | 43.43 | 0.576 |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PRESS DBAR
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2 SALIN PPT
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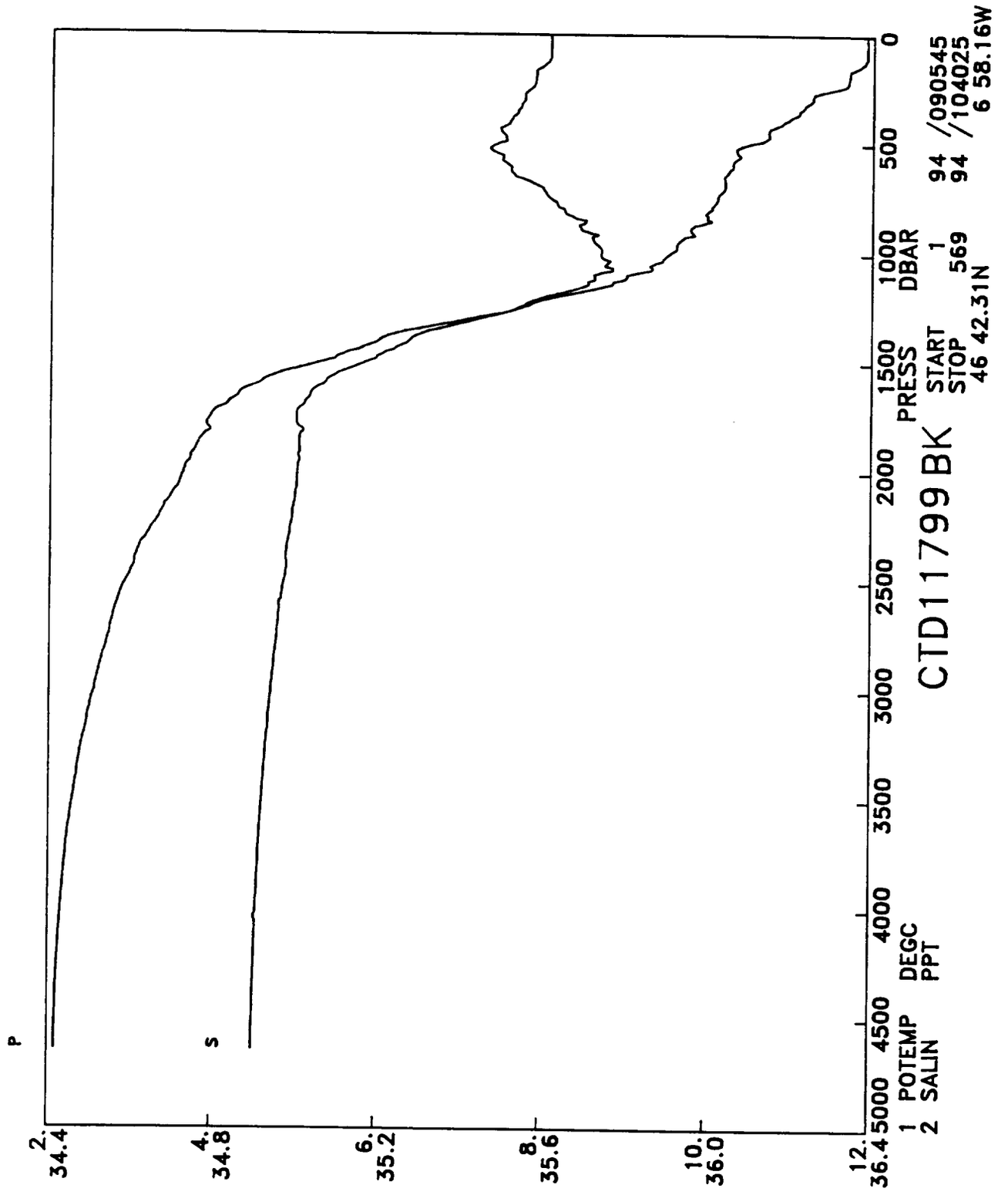
STOP 328 93 /092415
47 17.25N 6 40.30W

# DISCOVERY 181 STATION 11798

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 11.640 | 35.577 | | 11.639 | 27.11 | 31.524 | 35.842 | 0.009 | 1496.4 | 10. | 94.91 | -9.999 |
| 20. | 11.642 | 35.577 | | 11.640 | 27.11 | 31.524 | 35.842 | 0.019 | 1496.6 | 20. | 95.17 | 0.196 |
| 30. | 11.653 | 35.577 | | 11.649 | 27.11 | 31.521 | 35.840 | 0.029 | 1496.8 | 30. | 95.64 | -0.804 |
| 40. | 11.653 | 35.577 | | 11.648 | 27.11 | 31.522 | 35.840 | 0.038 | 1497.0 | 40. | 95.90 | 0.251 |
| 50. | 11.655 | 35.577 | | 11.648 | 27.11 | 31.521 | 35.840 | 0.048 | 1497.2 | 50. | 96.19 | -0.230 |
| 60. | 11.655 | 35.577 | | 11.647 | 27.11 | 31.522 | 35.840 | 0.057 | 1497.3 | 60. | 96.46 | 0.000 |
| 70. | 11.657 | 35.576 | | 11.648 | 27.10 | 31.521 | 35.840 | 0.067 | 1497.5 | 70. | 96.77 | -0.354 |
| 80. | 11.657 | 35.577 | | 11.647 | 27.11 | 31.522 | 35.840 | 0.077 | 1497.7 | 80. | 96.98 | 0.423 |
| 100. | 11.657 | 35.577 | | 11.644 | 27.11 | 31.522 | 35.841 | 0.096 | 1498.0 | 99. | 97.47 | 0.323 |
| 120. | 11.660 | 35.576 | | 11.644 | 27.11 | 31.522 | 35.840 | 0.116 | 1498.3 | 119. | 98.07 | -0.326 |
| 140. | 11.658 | 35.577 | | 11.640 | 27.11 | 31.523 | 35.842 | 0.135 | 1498.6 | 139. | 98.49 | 0.460 |
| 160. | 11.657 | 35.578 | | 11.636 | 27.11 | 31.525 | 35.843 | 0.155 | 1499.0 | 159. | 98.89 | 0.482 |
| 180. | 11.648 | 35.576 | | 11.625 | 27.11 | 31.526 | 35.845 | 0.175 | 1499.3 | 179. | 99.36 | 0.355 |
| 200. | 11.619 | 35.572 | | 11.594 | 27.11 | 31.529 | 35.849 | 0.195 | 1499.5 | 199. | 99.61 | 0.703 |
| 220. | 11.604 | 35.570 | | 11.576 | 27.11 | 31.531 | 35.851 | 0.215 | 1499.8 | 219. | 100.01 | 0.480 |
| 240. | 11.557 | 35.566 | | 11.527 | 27.12 | 31.538 | 35.859 | 0.235 | 1499.9 | 239. | 99.95 | 0.994 |
| 260. | 11.458 | 35.560 | | 11.425 | 27.13 | 31.555 | 35.878 | 0.255 | 1499.9 | 258. | 99.02 | 1.564 |
| 280. | 11.377 | 35.555 | | 11.341 | 27.15 | 31.568 | 35.893 | 0.274 | 1500.0 | 278. | 98.43 | 1.370 |
| 300. | 11.316 | 35.551 | | 11.278 | 27.15 | 31.578 | 35.904 | 0.294 | 1500.1 | 298. | 98.14 | 1.172 |
| 320. | 11.248 | 35.546 | | 11.207 | 27.16 | 31.589 | 35.916 | 0.314 | 1500.2 | 318. | 97.74 | 1.245 |
| 340. | 11.160 | 35.539 | | 11.117 | 27.17 | 31.602 | 35.932 | 0.333 | 1500.2 | 338. | 97.10 | 1.394 |
| 360. | 11.144 | 35.539 | | 11.099 | 27.18 | 31.606 | 35.935 | 0.353 | 1500.5 | 358. | 97.33 | 0.692 |
| 380. | 11.031 | 35.526 | | 10.984 | 27.19 | 31.619 | 35.951 | 0.372 | 1500.4 | 378. | 96.74 | 1.361 |
| 400. | 10.938 | 35.518 | | 10.888 | 27.20 | 31.633 | 35.966 | 0.391 | 1500.4 | 397. | 96.09 | 1.392 |
| 450. | 10.832 | 35.519 | | 10.776 | 27.22 | 31.656 | 35.992 | 0.439 | 1500.8 | 447. | 95.29 | 1.178 |
| 500. | 10.725 | 35.519 | | 10.663 | 27.24 | 31.679 | 36.017 | 0.487 | 1501.3 | 497. | 94.51 | 1.170 |
| 550. | 10.603 | 35.536 | | 10.536 | 27.28 | 31.717 | 36.058 | 0.533 | 1501.7 | 546. | 92.25 | 1.532 |
| 600. | 10.394 | 35.543 | | 10.321 | 27.32 | 31.764 | 36.110 | 0.579 | 1501.8 | 596. | 89.19 | 1.697 |
| 700. | 10.197 | 35.582 | | 10.112 | 27.39 | 31.836 | 36.185 | 0.666 | 1502.8 | 695. | 85.02 | 1.486 |
| 800. | 10.054 | 35.660 | | 9.957 | 27.48 | 31.926 | 36.278 | 0.748 | 1504.0 | 794. | 78.96 | 1.684 |
| 900. | 9.584 | 35.645 | | 9.478 | 27.55 | 32.007 | 36.369 | 0.825 | 1504.0 | 893. | 73.87 | 1.580 |
| 1000. | 9.248 | 35.650 | | 9.132 | 27.61 | 32.075 | 36.444 | 0.896 | 1504.4 | 992. | 69.74 | 1.464 |
| 1100. | 8.615 | 35.600 | | 8.491 | 27.67 | 32.153 | 36.537 | 0.963 | 1503.7 | 1091. | 64.47 | 1.580 |
| 1200. | 8.156 | 35.566 | | 8.025 | 27.72 | 32.210 | 36.604 | 1.026 | 1503.6 | 1190. | 61.07 | 1.352 |
| 1300. | 7.475 | 35.474 | | 7.338 | 27.74 | 32.255 | 36.666 | 1.085 | 1502.5 | 1289. | 58.29 | 1.256 |
| 1400. | 6.827 | 35.391 | | 6.686 | 27.77 | 32.297 | 36.723 | 1.142 | 1501.6 | 1388. | 55.61 | 1.225 |
| 1500. | 6.159 | 35.304 | | 6.013 | 27.79 | 32.335 | 36.777 | 1.196 | 1500.5 | 1486. | 53.00 | 1.193 |
| 1600. | 5.504 | 35.218 | | 5.356 | 27.81 | 32.366 | 36.825 | 1.248 | 1499.5 | 1585. | 50.68 | 1.128 |
| 1700. | 4.881 | 35.139 | | 4.730 | 27.82 | 32.394 | 36.869 | 1.297 | 1498.5 | 1684. | 48.42 | 1.099 |
| 1800. | 4.603 | 35.105 | | 4.446 | 27.82 | 32.406 | 36.888 | 1.345 | 1499.0 | 1782. | 47.96 | 0.749 |
| 1900. | 4.170 | 35.052 | | 4.010 | 27.83 | 32.423 | 36.916 | 1.392 | 1498.9 | 1881. | 46.62 | 0.912 |
| 2000. | 3.885 | 35.030 | | 3.719 | 27.84 | 32.443 | 36.944 | 1.438 | 1499.3 | 1980. | 45.11 | 0.926 |
| 2100. | 3.687 | 35.018 | | 3.514 | 27.85 | 32.460 | 36.966 | 1.483 | 1500.2 | 2078. | 44.00 | 0.841 |
| 2200. | 3.535 | 35.006 | | 3.355 | 27.86 | 32.470 | 36.980 | 1.526 | 1501.2 | 2176. | 43.51 | 0.695 |
| 2300. | 3.344 | 34.990 | | 3.157 | 27.86 | 32.482 | 36.997 | 1.569 | 1502.0 | 2275. | 42.72 | 0.756 |
| 2400. | 3.253 | 34.983 | | 3.058 | 27.87 | 32.488 | 37.006 | 1.612 | 1503.3 | 2373. | 42.68 | 0.553 |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2 SALIN PPT
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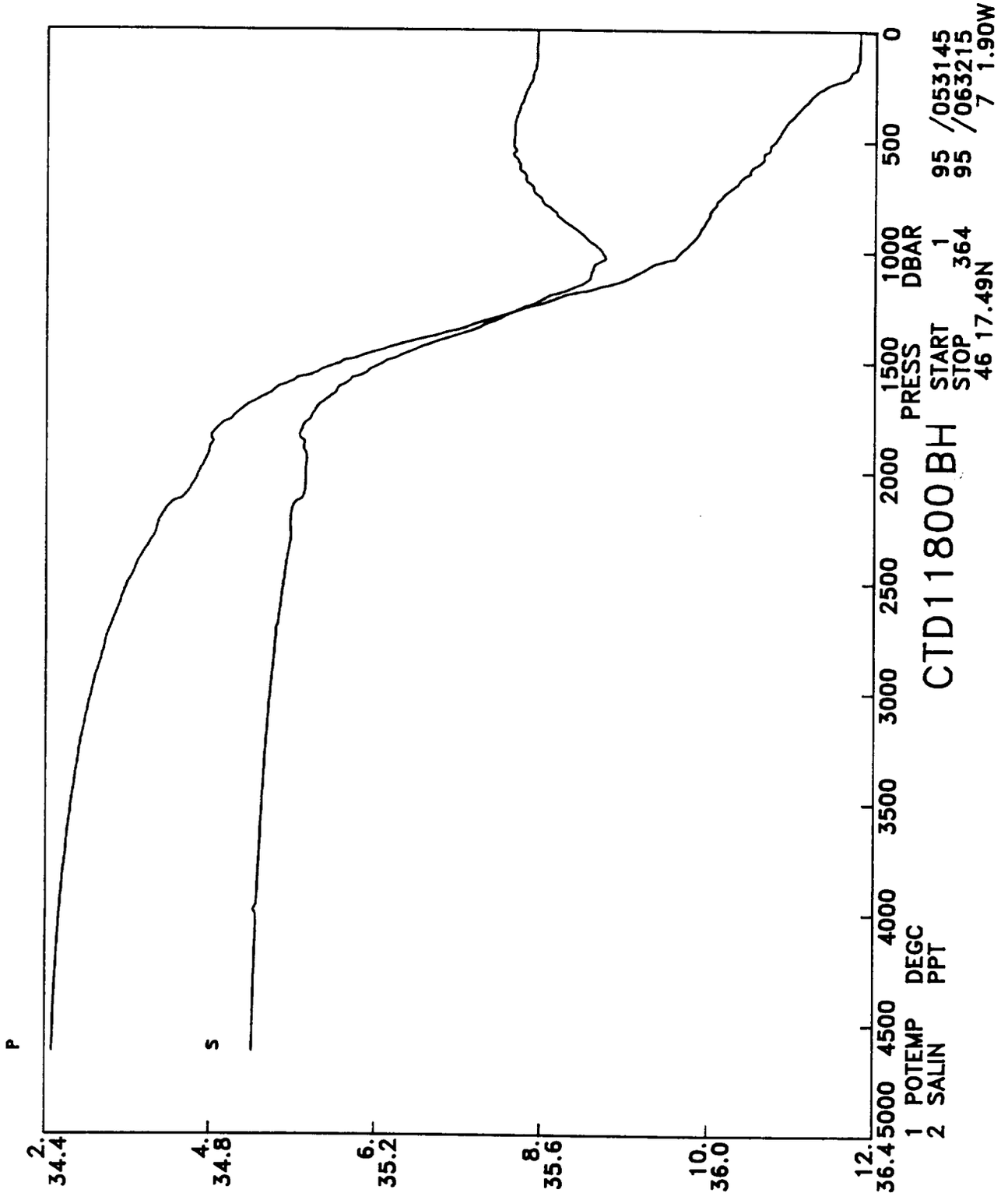
STOP 569 94 /104025
46 42.31N 6 58.16W

# DISCOVERY 181 STATION 11799

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 11.915 | 35.618 | | 11.914 | 27.09 | 31.497 | 35.810 | 0.010 | 1497.4 | 10. | 96.85 | -9.999 |
| 20. | 11.919 | 35.618 | | 11.916 | 27.09 | 31.497 | 35.810 | 0.019 | 1497.6 | 20. | 97.16 | -0.303 |
| 30. | 11.925 | 35.618 | | 11.921 | 27.08 | 31.495 | 35.808 | 0.029 | 1497.8 | 30. | 97.57 | -0.674 |
| 40. | 11.929 | 35.619 | | 11.924 | 27.09 | 31.496 | 35.809 | 0.039 | 1498.0 | 40. | 97.81 | 0.367 |
| 50. | 11.926 | 35.619 | | 11.920 | 27.09 | 31.497 | 35.810 | 0.049 | 1498.1 | 50. | 98.00 | 0.548 |
| 60. | 11.925 | 35.617 | | 11.917 | 27.09 | 31.496 | 35.809 | 0.059 | 1498.3 | 60. | 98.36 | -0.532 |
| 70. | 11.925 | 35.617 | | 11.916 | 27.08 | 31.496 | 35.809 | 0.068 | 1498.5 | 70. | 98.68 | -0.380 |
| 80. | 11.924 | 35.617 | | 11.914 | 27.09 | 31.496 | 35.809 | 0.078 | 1498.6 | 80. | 98.90 | 0.446 |
| 100. | 11.933 | 35.618 | | 11.920 | 27.09 | 31.496 | 35.809 | 0.098 | 1499.0 | 99. | 99.49 | -0.249 |
| 120. | 11.910 | 35.613 | | 11.895 | 27.09 | 31.498 | 35.811 | 0.118 | 1499.2 | 119. | 99.91 | 0.472 |
| 140. | 11.852 | 35.603 | | 11.834 | 27.09 | 31.502 | 35.817 | 0.138 | 1499.3 | 139. | 100.13 | 0.748 |
| 160. | 11.730 | 35.582 | | 11.709 | 27.10 | 31.513 | 35.830 | 0.158 | 1499.2 | 159. | 99.88 | 1.154 |
| 180. | 11.727 | 35.582 | | 11.703 | 27.10 | 31.514 | 35.831 | 0.178 | 1499.5 | 179. | 100.38 | 0.274 |
| 200. | 11.718 | 35.580 | | 11.692 | 27.10 | 31.515 | 35.832 | 0.198 | 1499.8 | 199. | 100.84 | 0.395 |
| 220. | 11.711 | 35.580 | | 11.683 | 27.10 | 31.516 | 35.834 | 0.218 | 1500.2 | 219. | 101.24 | 0.482 |
| 240. | 11.612 | 35.574 | | 11.581 | 27.12 | 31.533 | 35.853 | 0.239 | 1500.1 | 239. | 100.35 | 1.547 |
| 260. | 11.381 | 35.561 | | 11.348 | 27.15 | 31.571 | 35.896 | 0.258 | 1499.7 | 258. | 97.60 | 2.342 |
| 280. | 11.295 | 35.554 | | 11.260 | 27.16 | 31.585 | 35.911 | 0.278 | 1499.7 | 278. | 97.00 | 1.371 |
| 300. | 11.284 | 35.554 | | 11.246 | 27.16 | 31.587 | 35.914 | 0.297 | 1500.0 | 298. | 97.33 | 0.579 |
| 320. | 11.200 | 35.546 | | 11.159 | 27.17 | 31.598 | 35.927 | 0.317 | 1500.0 | 318. | 96.89 | 1.266 |
| 340. | 11.157 | 35.541 | | 11.114 | 27.18 | 31.604 | 35.933 | 0.336 | 1500.2 | 338. | 96.96 | 0.867 |
| 360. | 11.132 | 35.537 | | 11.087 | 27.18 | 31.607 | 35.937 | 0.355 | 1500.4 | 358. | 97.22 | 0.660 |
| 380. | 11.021 | 35.522 | | 10.973 | 27.19 | 31.618 | 35.951 | 0.375 | 1500.3 | 378. | 96.80 | 1.250 |
| 400. | 10.940 | 35.518 | | 10.890 | 27.20 | 31.632 | 35.966 | 0.394 | 1500.4 | 397. | 96.14 | 1.407 |
| 450. | 10.778 | 35.502 | | 10.722 | 27.22 | 31.653 | 35.991 | 0.442 | 1500.6 | 447. | 95.58 | 1.104 |
| 500. | 10.522 | 35.483 | | 10.461 | 27.25 | 31.690 | 36.033 | 0.490 | 1500.5 | 497. | 93.61 | 1.469 |
| 550. | 10.457 | 35.500 | | 10.390 | 27.28 | 31.718 | 36.063 | 0.536 | 1501.1 | 546. | 92.27 | 1.310 |
| 600. | 10.368 | 35.518 | | 10.295 | 27.31 | 31.751 | 36.097 | 0.582 | 1501.7 | 596. | 90.51 | 1.413 |
| 700. | 10.286 | 35.600 | | 10.200 | 27.39 | 31.833 | 36.180 | 0.670 | 1503.1 | 695. | 85.27 | 1.603 |
| 800. | 10.119 | 35.654 | | 10.022 | 27.46 | 31.910 | 36.260 | 0.753 | 1504.3 | 794. | 80.50 | 1.552 |
| 900. | 9.899 | 35.704 | | 9.791 | 27.54 | 31.992 | 36.347 | 0.831 | 1505.2 | 893. | 75.17 | 1.609 |
| 1000. | 9.656 | 35.741 | | 9.537 | 27.61 | 32.070 | 36.430 | 0.903 | 1506.0 | 992. | 70.19 | 1.567 |
| 1100. | 9.149 | 35.725 | | 9.021 | 27.68 | 32.154 | 36.525 | 0.970 | 1505.8 | 1091. | 64.54 | 1.630 |
| 1200. | 8.236 | 35.597 | | 8.103 | 27.73 | 32.220 | 36.612 | 1.032 | 1503.9 | 1190. | 60.12 | 1.482 |
| 1300. | 7.221 | 35.440 | | 7.087 | 27.75 | 32.270 | 36.687 | 1.091 | 1501.5 | 1289. | 56.72 | 1.334 |
| 1400. | 6.143 | 35.275 | | 6.009 | 27.77 | 32.314 | 36.756 | 1.146 | 1498.8 | 1388. | 53.46 | 1.288 |
| 1500. | 5.440 | 35.169 | | 5.304 | 27.77 | 32.336 | 36.796 | 1.199 | 1497.5 | 1486. | 52.05 | 0.982 |
| 1600. | 4.681 | 35.068 | | 4.543 | 27.78 | 32.364 | 36.843 | 1.249 | 1496.0 | 1585. | 49.72 | 1.103 |
| 1700. | 4.274 | 35.017 | | 4.131 | 27.79 | 32.380 | 36.870 | 1.298 | 1495.9 | 1684. | 48.72 | 0.849 |
| 1800. | 4.098 | 35.014 | | 3.948 | 27.80 | 32.401 | 36.896 | 1.346 | 1496.8 | 1782. | 47.43 | 0.893 |
| 1900. | 3.932 | 35.011 | | 3.775 | 27.82 | 32.421 | 36.921 | 1.393 | 1497.8 | 1881. | 46.24 | 0.866 |
| 2000. | 3.801 | 35.005 | | 3.636 | 27.83 | 32.434 | 36.937 | 1.439 | 1498.9 | 1980. | 45.73 | 0.714 |
| 2100. | 3.671 | 35.000 | | 3.498 | 27.84 | 32.448 | 36.954 | 1.484 | 1500.1 | 2078. | 45.06 | 0.742 |
| 2200. | 3.519 | 34.993 | | 3.339 | 27.85 | 32.462 | 36.973 | 1.529 | 1501.1 | 2176. | 44.22 | 0.775 |
| 2300. | 3.359 | 34.985 | | 3.172 | 27.86 | 32.476 | 36.991 | 1.573 | 1502.1 | 2275. | 43.30 | 0.784 |
| 2400. | 3.232 | 34.978 | | 3.037 | 27.86 | 32.487 | 37.006 | 1.616 | 1503.2 | 2373. | 42.67 | 0.710 |
| 2500. | 3.131 | 34.973 | | 2.929 | 27.87 | 32.496 | 37.018 | 1.658 | 1504.5 | 2472. | 42.28 | 0.645 |
| 2600. | 3.037 | 34.962 | | 2.826 | 27.87 | 32.499 | 37.024 | 1.700 | 1505.8 | 2570. | 42.39 | 0.487 |
| 2700. | 2.968 | 34.959 | | 2.748 | 27.88 | 32.506 | 37.033 | 1.743 | 1507.2 | 2668. | 42.21 | 0.574 |
| 2800. | 2.915 | 34.954 | | 2.686 | 27.88 | 32.509 | 37.038 | 1.785 | 1508.6 | 2766. | 42.43 | 0.436 |
| 2900. | 2.848 | 34.949 | | 2.611 | 27.88 | 32.514 | 37.044 | 1.827 | 1510.0 | 2864. | 42.43 | 0.507 |
| 3000. | 2.804 | 34.944 | | 2.557 | 27.88 | 32.516 | 37.048 | 1.870 | 1511.6 | 2962. | 42.73 | 0.392 |
| 3100. | 2.735 | 34.938 | | 2.479 | 27.88 | 32.520 | 37.054 | 1.912 | 1513.0 | 3060. | 42.68 | 0.519 |
| 3200. | 2.694 | 34.934 | | 2.429 | 27.88 | 32.522 | 37.058 | 1.955 | 1514.5 | 3158. | 42.90 | 0.411 |
| 3300. | 2.649 | 34.930 | | 2.374 | 27.88 | 32.526 | 37.062 | 1.998 | 1516.0 | 3256. | 43.02 | 0.451 |
| 3400. | 2.619 | 34.926 | | 2.335 | 27.89 | 32.527 | 37.065 | 2.041 | 1517.6 | 3354. | 43.37 | 0.353 |
| 3500. | 2.586 | 34.922 | | 2.291 | 27.89 | 32.529 | 37.068 | 2.085 | 1519.1 | 3452. | 43.61 | 0.393 |
| 3600. | 2.559 | 34.919 | | 2.254 | 27.89 | 32.531 | 37.071 | 2.129 | 1520.7 | 3550. | 43.92 | 0.364 |
| 3700. | 2.533 | 34.916 | | 2.217 | 27.89 | 32.532 | 37.073 | 2.173 | 1522.3 | 3648. | 44.22 | 0.364 |
| 3800. | 2.518 | 34.914 | | 2.192 | 27.89 | 32.533 | 37.075 | 2.217 | 1524.0 | 3746. | 44.66 | 0.294 |
| 3900. | 2.511 | 34.912 | | 2.174 | 27.89 | 32.534 | 37.076 | 2.262 | 1525.7 | 3843. | 45.14 | 0.260 |
| 4000. | 2.502 | 34.909 | | 2.153 | 27.89 | 32.533 | 37.076 | 2.307 | 1527.3 | 3941. | 45.71 | 0.192 |
| 4100. | 2.494 | 34.908 | | 2.134 | 27.89 | 32.535 | 37.078 | 2.353 | 1529.0 | 4038. | 46.12 | 0.309 |
| 4200. | 2.492 | 34.906 | | 2.120 | 27.89 | 32.535 | 37.079 | 2.400 | 1530.7 | 4136. | 46.68 | 0.198 |
| 4300. | 2.490 | 34.905 | | 2.106 | 27.89 | 32.536 | 37.080 | 2.447 | 1532.5 | 4234. | 47.18 | 0.252 |
| 4400. | 2.492 | 34.903 | | 2.097 | 27.89 | 32.535 | 37.080 | 2.494 | 1534.2 | 4331. | 47.83 | 0.099 |
| 4500. | 2.498 | 34.902 | | 2.090 | 27.89 | 32.535 | 37.080 | 2.542 | 1536.0 | 4428. | 48.46 | 0.131 |
| 4600. | 2.506 | 34.902 | | 2.086 | 27.89 | 32.535 | 37.080 | 2.591 | 1537.7 | 4526. | 49.10 | 0.130 |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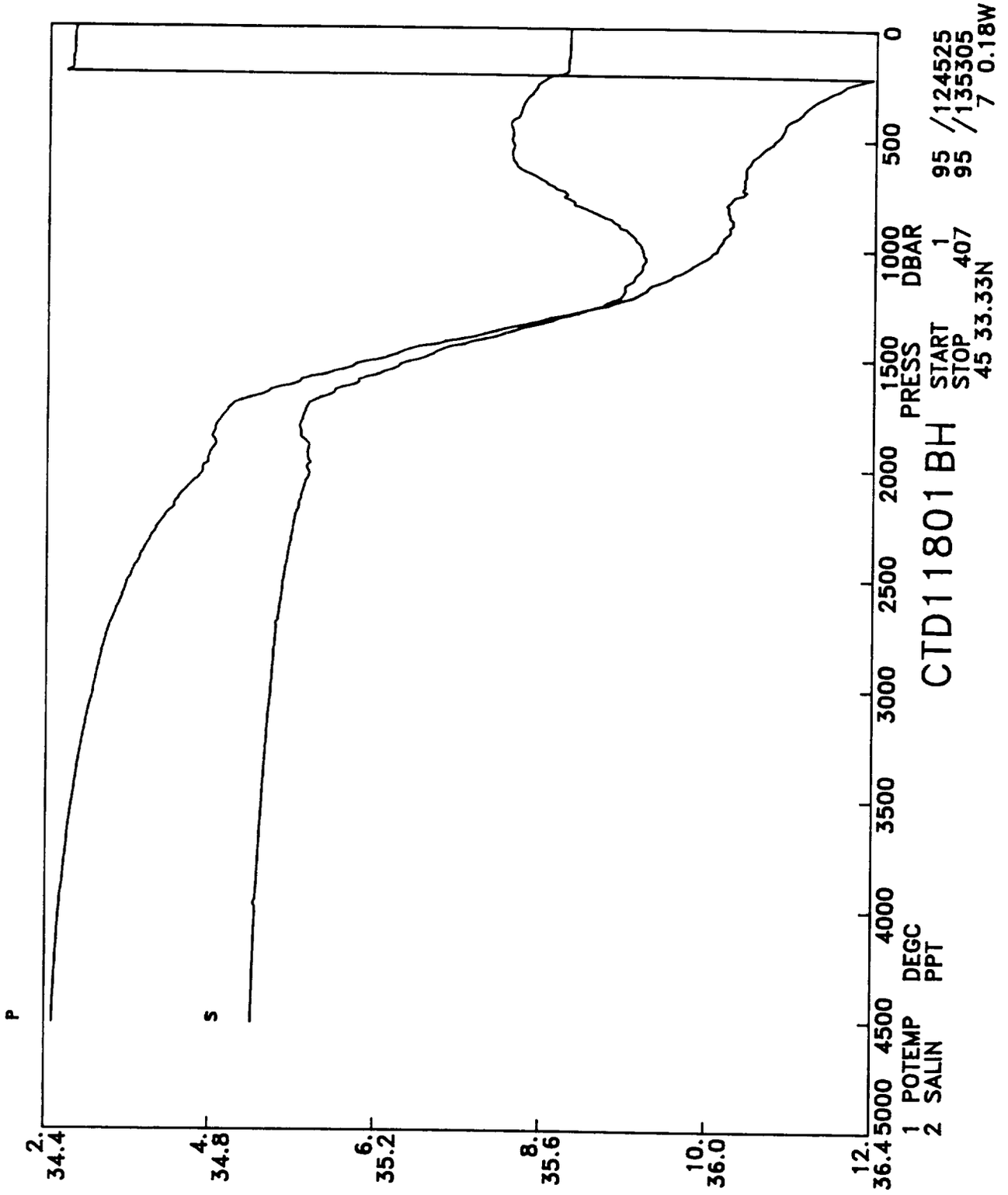
STOP 364 95 /063215
46 17.49N 7 1.90W

## DISCOVERY 181 STATION 11800

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 11.806 | 35.588 | | 11.805 | 27.08 | 31.497 | 35.812 | 0.010 | 1497.0 | 10. | 97.10 | -9.999 |
| 20. | 11.809 | 35.588 | | 11.807 | 27.08 | 31.496 | 35.812 | 0.019 | 1497.2 | 20. | 97.44 | -0.460 |
| 30. | 11.809 | 35.587 | | 11.805 | 27.08 | 31.497 | 35.812 | 0.029 | 1497.4 | 30. | 97.70 | 0.209 |
| 40. | 11.811 | 35.587 | | 11.805 | 27.08 | 31.496 | 35.812 | 0.039 | 1497.5 | 40. | 98.00 | -0.251 |
| 50. | 11.819 | 35.587 | | 11.812 | 27.08 | 31.495 | 35.810 | 0.049 | 1497.7 | 50. | 98.40 | -0.641 |
| 60. | 11.812 | 35.585 | | 11.804 | 27.08 | 31.495 | 35.810 | 0.059 | 1497.9 | 60. | 98.70 | -0.273 |
| 70. | 11.812 | 35.585 | | 11.803 | 27.08 | 31.495 | 35.810 | 0.069 | 1498.0 | 70. | 98.97 | 0.101 |
| 80. | 11.811 | 35.585 | | 11.800 | 27.08 | 31.496 | 35.811 | 0.078 | 1498.2 | 80. | 99.17 | 0.497 |
| 100. | 11.810 | 35.585 | | 11.798 | 27.08 | 31.496 | 35.812 | 0.098 | 1498.5 | 99. | 99.68 | 0.256 |
| 120. | 11.812 | 35.585 | | 11.796 | 27.08 | 31.496 | 35.812 | 0.118 | 1498.9 | 119. | 100.21 | 0.203 |
| 140. | 11.814 | 35.585 | | 11.796 | 27.08 | 31.497 | 35.812 | 0.138 | 1499.2 | 139. | 100.75 | 0.071 |
| 160. | 11.790 | 35.582 | | 11.769 | 27.09 | 31.500 | 35.816 | 0.159 | 1499.4 | 159. | 101.03 | 0.675 |
| 180. | 11.772 | 35.582 | | 11.748 | 27.09 | 31.504 | 35.821 | 0.179 | 1499.7 | 179. | 101.21 | 0.787 |
| 200. | 11.716 | 35.577 | | 11.690 | 27.10 | 31.513 | 35.830 | 0.199 | 1499.8 | 199. | 101.04 | 1.089 |
| 220. | 11.662 | 35.575 | | 11.634 | 27.11 | 31.523 | 35.842 | 0.219 | 1500.0 | 219. | 100.71 | 1.210 |
| 240. | 11.480 | 35.569 | | 11.449 | 27.14 | 31.557 | 35.879 | 0.239 | 1499.7 | 239. | 98.31 | 2.212 |
| 260. | 11.399 | 35.565 | | 11.366 | 27.15 | 31.571 | 35.895 | 0.259 | 1499.7 | 258. | 97.65 | 1.414 |
| 280. | 11.321 | 35.559 | | 11.285 | 27.16 | 31.583 | 35.909 | 0.278 | 1499.8 | 278. | 97.11 | 1.340 |
| 300. | 11.251 | 35.554 | | 11.213 | 27.17 | 31.594 | 35.921 | 0.297 | 1499.9 | 298. | 96.72 | 1.235 |
| 320. | 11.218 | 35.552 | | 11.178 | 27.17 | 31.600 | 35.928 | 0.317 | 1500.1 | 318. | 96.75 | 0.912 |
| 340. | 11.163 | 35.546 | | 11.120 | 27.18 | 31.607 | 35.936 | 0.336 | 1500.2 | 338. | 96.69 | 0.985 |
| 360. | 11.116 | 35.543 | | 11.071 | 27.19 | 31.615 | 35.945 | 0.356 | 1500.4 | 358. | 96.52 | 1.073 |
| 380. | 11.067 | 35.539 | | 11.019 | 27.19 | 31.622 | 35.953 | 0.375 | 1500.5 | 378. | 96.43 | 1.007 |
| 400. | 11.016 | 35.535 | | 10.966 | 27.20 | 31.630 | 35.962 | 0.394 | 1500.7 | 397. | 96.24 | 1.091 |
| 450. | 10.919 | 35.531 | | 10.863 | 27.21 | 31.647 | 35.982 | 0.442 | 1501.1 | 447. | 96.00 | 1.009 |
| 500. | 10.848 | 35.529 | | 10.785 | 27.23 | 31.662 | 35.998 | 0.490 | 1501.7 | 497. | 95.99 | 0.924 |
| 550. | 10.755 | 35.537 | | 10.686 | 27.25 | 31.688 | 36.026 | 0.538 | 1502.2 | 546. | 94.89 | 1.257 |
| 600. | 10.673 | 35.546 | | 10.599 | 27.27 | 31.712 | 36.052 | 0.585 | 1502.8 | 596. | 93.90 | 1.225 |
| 700. | 10.411 | 35.571 | | 10.325 | 27.34 | 31.786 | 36.131 | 0.677 | 1503.5 | 695. | 89.59 | 1.508 |
| 800. | 10.143 | 35.618 | | 10.046 | 27.43 | 31.877 | 36.227 | 0.764 | 1504.3 | 794. | 83.58 | 1.681 |
| 900. | 10.005 | 35.680 | | 9.895 | 27.50 | 31.954 | 36.307 | 0.845 | 1505.5 | 893. | 78.74 | 1.557 |
| 1000. | 9.777 | 35.742 | | 9.657 | 27.59 | 32.048 | 36.405 | 0.921 | 1506.4 | 992. | 72.30 | 1.719 |
| 1100. | 9.273 | 35.716 | | 9.144 | 27.66 | 32.124 | 36.493 | 0.991 | 1506.2 | 1091. | 67.35 | 1.558 |
| 1200. | 8.403 | 35.617 | | 8.269 | 27.72 | 32.207 | 36.595 | 1.055 | 1504.6 | 1190. | 61.45 | 1.645 |
| 1300. | 7.587 | 35.503 | | 7.449 | 27.75 | 32.259 | 36.667 | 1.115 | 1503.0 | 1289. | 58.02 | 1.346 |
| 1400. | 6.661 | 35.359 | | 6.521 | 27.77 | 32.299 | 36.729 | 1.171 | 1500.9 | 1388. | 55.31 | 1.226 |
| 1500. | 5.720 | 35.218 | | 5.580 | 27.78 | 32.334 | 36.787 | 1.225 | 1498.7 | 1486. | 52.60 | 1.198 |
| 1600. | 5.054 | 35.125 | | 4.911 | 27.79 | 32.358 | 36.828 | 1.277 | 1497.6 | 1585. | 50.84 | 1.025 |
| 1700. | 4.558 | 35.058 | | 4.412 | 27.79 | 32.374 | 36.857 | 1.327 | 1497.1 | 1684. | 49.76 | 0.879 |
| 1800. | 4.231 | 35.020 | | 4.080 | 27.79 | 32.389 | 36.880 | 1.377 | 1497.4 | 1782. | 48.87 | 0.823 |
| 1900. | 4.138 | 35.025 | | 3.978 | 27.81 | 32.406 | 36.900 | 1.425 | 1498.7 | 1881. | 48.13 | 0.783 |
| 2000. | 4.026 | 35.028 | | 3.858 | 27.82 | 32.424 | 36.921 | 1.473 | 1499.9 | 1980. | 47.19 | 0.819 |
| 2100. | 3.878 | 35.025 | | 3.702 | 27.84 | 32.441 | 36.943 | 1.519 | 1501.0 | 2078. | 46.20 | 0.823 |
| 2200. | 3.582 | 34.992 | | 3.402 | 27.84 | 32.453 | 36.963 | 1.565 | 1501.4 | 2176. | 45.18 | 0.819 |
| 2300. | 3.487 | 34.994 | | 3.298 | 27.85 | 32.467 | 36.979 | 1.610 | 1502.6 | 2275. | 44.48 | 0.742 |
| 2400. | 3.316 | 34.983 | | 3.120 | 27.86 | 32.481 | 36.997 | 1.654 | 1503.6 | 2373. | 43.55 | 0.783 |
| 2500. | 3.196 | 34.976 | | 2.992 | 27.87 | 32.490 | 37.010 | 1.697 | 1504.8 | 2472. | 43.04 | 0.681 |
| 2600. | 3.104 | 34.969 | | 2.892 | 27.87 | 32.497 | 37.019 | 1.740 | 1506.1 | 2570. | 42.89 | 0.576 |
| 2700. | 3.007 | 34.961 | | 2.787 | 27.87 | 32.503 | 37.029 | 1.783 | 1507.3 | 2668. | 42.65 | 0.594 |
| 2800. | 2.936 | 34.955 | | 2.707 | 27.88 | 32.508 | 37.035 | 1.826 | 1508.7 | 2766. | 42.67 | 0.510 |
| 2900. | 2.865 | 34.949 | | 2.627 | 27.88 | 32.512 | 37.042 | 1.868 | 1510.1 | 2864. | 42.64 | 0.518 |
| 3000. | 2.803 | 34.944 | | 2.556 | 27.88 | 32.516 | 37.048 | 1.911 | 1511.5 | 2962. | 42.69 | 0.492 |
| 3100. | 2.747 | 34.939 | | 2.491 | 27.88 | 32.520 | 37.054 | 1.953 | 1513.0 | 3060. | 42.75 | 0.481 |
| 3200. | 2.705 | 34.935 | | 2.440 | 27.88 | 32.522 | 37.057 | 1.996 | 1514.5 | 3158. | 42.97 | 0.415 |
| 3300. | 2.668 | 34.931 | | 2.392 | 27.88 | 32.524 | 37.061 | 2.039 | 1516.1 | 3256. | 43.24 | 0.390 |
| 3400. | 2.634 | 34.927 | | 2.349 | 27.88 | 32.527 | 37.064 | 2.083 | 1517.6 | 3354. | 43.48 | 0.398 |
| 3500. | 2.603 | 34.925 | | 2.308 | 27.89 | 32.529 | 37.068 | 2.126 | 1519.2 | 3452. | 43.70 | 0.407 |
| 3600. | 2.579 | 34.921 | | 2.273 | 27.89 | 32.530 | 37.069 | 2.170 | 1520.8 | 3550. | 44.14 | 0.301 |
| 3700. | 2.562 | 34.919 | | 2.245 | 27.89 | 32.532 | 37.072 | 2.214 | 1522.5 | 3648. | 44.47 | 0.353 |
| 3800. | 2.542 | 34.915 | | 2.215 | 27.89 | 32.532 | 37.073 | 2.259 | 1524.1 | 3746. | 44.92 | 0.284 |
| 3900. | 2.529 | 34.914 | | 2.191 | 27.89 | 32.533 | 37.075 | 2.304 | 1525.7 | 3843. | 45.31 | 0.316 |
| 4000. | 2.515 | 34.911 | | 2.166 | 27.89 | 32.534 | 37.076 | 2.350 | 1527.4 | 3941. | 45.80 | 0.263 |
| 4100. | 2.510 | 34.910 | | 2.149 | 27.89 | 32.535 | 37.078 | 2.396 | 1529.1 | 4038. | 46.25 | 0.279 |
| 4200. | 2.505 | 34.908 | | 2.133 | 27.89 | 32.535 | 37.078 | 2.442 | 1530.8 | 4136. | 46.78 | 0.230 |
| 4300. | 2.501 | 34.906 | | 2.117 | 27.89 | 32.535 | 37.079 | 2.490 | 1532.5 | 4234. | 47.31 | 0.232 |
| 4400. | 2.498 | 34.904 | | 2.103 | 27.89 | 32.535 | 37.079 | 2.537 | 1534.2 | 4331. | 47.90 | 0.175 |
| 4500. | 2.504 | 34.903 | | 2.096 | 27.89 | 32.535 | 37.080 | 2.585 | 1536.0 | 4428. | 48.50 | 0.172 |
| 4600. | 2.508 | 34.902 | | 2.088 | 27.89 | 32.535 | 37.080 | 2.634 | 1537.7 | 4526. | 49.12 | 0.155 |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1 POTEMP DEGC
2 SALIN PPT
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START 1 95 /124525
STOP 407 95 /135305
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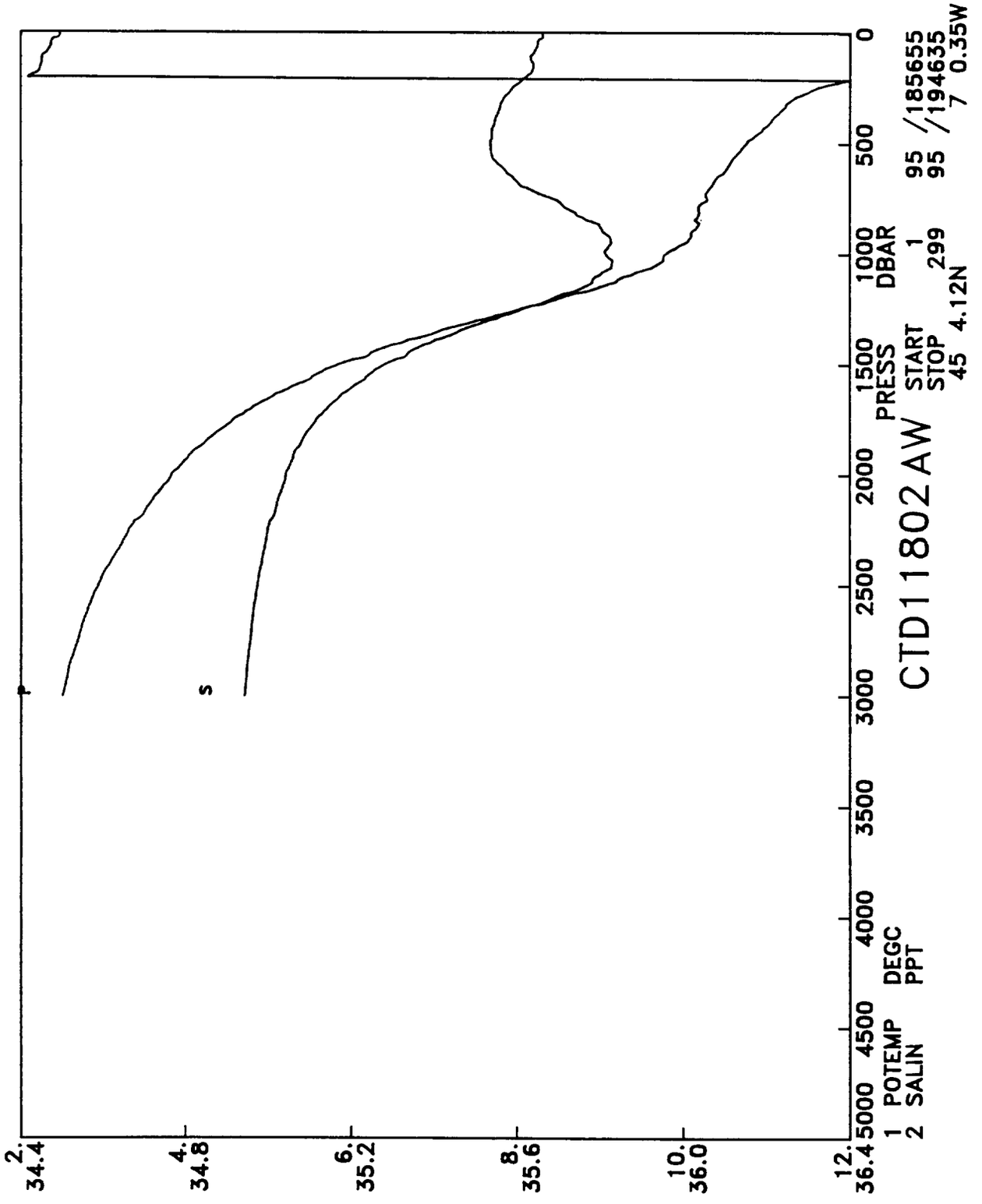
# DISCOVERY 181 STATION 11801

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMAQ KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 12.325 | 35.661 | | 12.324 | 27.04 | 31.443 | 35.748 | 0.010 | 1498.9 | 10. | 101.21 | -9.999 |
| 20. | 12.313 | 35.661 | | 12.310 | 27.04 | 31.446 | 35.751 | 0.020 | 1499.0 | 20. | 101.27 | 0.854 |
| 30. | 12.311 | 35.660 | | 12.307 | 27.04 | 31.446 | 35.751 | 0.030 | 1499.2 | 30. | 101.54 | 0.279 |
| 40. | 12.310 | 35.660 | | 12.305 | 27.04 | 31.446 | 35.751 | 0.041 | 1499.3 | 40. | 101.79 | 0.341 |
| 50. | 12.309 | 35.660 | | 12.303 | 27.04 | 31.447 | 35.752 | 0.051 | 1499.5 | 50. | 102.05 | 0.251 |
| 60. | 12.311 | 35.660 | | 12.303 | 27.04 | 31.447 | 35.752 | 0.061 | 1499.7 | 60. | 102.32 | 0.208 |
| 70. | 12.312 | 35.660 | | 12.303 | 27.04 | 31.447 | 35.752 | 0.071 | 1499.8 | 70. | 102.63 | -0.241 |
| 80. | 12.312 | 35.660 | | 12.301 | 27.04 | 31.447 | 35.752 | 0.081 | 1500.0 | 80. | 102.90 | 0.173 |
| 100. | 12.315 | 35.660 | | 12.302 | 27.04 | 31.447 | 35.752 | 0.102 | 1500.3 | 99. | 103.45 | 0.219 |
| 120. | 12.316 | 35.660 | | 12.300 | 27.04 | 31.447 | 35.752 | 0.123 | 1500.7 | 119. | 104.01 | -0.045 |
| 140. | 12.303 | 35.657 | | 12.284 | 27.04 | 31.448 | 35.754 | 0.144 | 1500.9 | 139. | 104.51 | 0.349 |
| 160. | 12.314 | 35.658 | | 12.292 | 27.04 | 31.447 | 35.752 | 0.165 | 1501.3 | 159. | 105.16 | -0.366 |
| 180. | 12.309 | 35.657 | | 12.285 | 27.04 | 31.448 | 35.753 | 0.186 | 1501.6 | 179. | 105.66 | 0.331 |
| 200. | 12.301 | 35.655 | | 12.274 | 27.05 | 31.449 | 35.755 | 0.207 | 1501.9 | 199. | 106.15 | 0.367 |
| 220. | 11.995 | 35.612 | | 11.966 | 27.07 | 31.482 | 35.794 | 0.228 | 1501.2 | 219. | 104.08 | 2.093 |
| 240. | 11.794 | 35.596 | | 11.762 | 27.10 | 31.513 | 35.829 | 0.249 | 1500.8 | 239. | 102.02 | 2.090 |
| 260. | 11.636 | 35.582 | | 11.602 | 27.12 | 31.535 | 35.855 | 0.269 | 1500.6 | 258. | 100.65 | 1.786 |
| 280. | 11.569 | 35.577 | | 11.533 | 27.13 | 31.545 | 35.866 | 0.289 | 1500.7 | 278. | 100.33 | 1.195 |
| 300. | 11.454 | 35.570 | | 11.415 | 27.14 | 31.564 | 35.887 | 0.309 | 1500.6 | 298. | 99.24 | 1.650 |
| 320. | 11.349 | 35.558 | | 11.308 | 27.15 | 31.578 | 35.903 | 0.329 | 1500.5 | 318. | 98.65 | 1.367 |
| 340. | 11.267 | 35.551 | | 11.224 | 27.16 | 31.589 | 35.916 | 0.348 | 1500.6 | 338. | 98.22 | 1.268 |
| 360. | 11.210 | 35.546 | | 11.165 | 27.17 | 31.598 | 35.926 | 0.368 | 1500.7 | 358. | 97.97 | 1.133 |
| 380. | 11.169 | 35.544 | | 11.121 | 27.18 | 31.605 | 35.934 | 0.388 | 1500.9 | 378. | 97.91 | 0.990 |
| 400. | 11.106 | 35.539 | | 11.056 | 27.19 | 31.615 | 35.945 | 0.407 | 1501.0 | 397. | 97.57 | 1.200 |
| 450. | 10.954 | 35.521 | | 10.898 | 27.20 | 31.633 | 35.967 | 0.456 | 1501.3 | 447. | 97.31 | 1.015 |
| 500. | 10.866 | 35.522 | | 10.804 | 27.22 | 31.652 | 35.988 | 0.504 | 1501.8 | 497. | 96.86 | 1.075 |
| 550. | 10.702 | 35.523 | | 10.634 | 27.25 | 31.688 | 36.027 | 0.552 | 1502.0 | 546. | 94.93 | 1.461 |
| 600. | 10.572 | 35.526 | | 10.498 | 27.28 | 31.717 | 36.059 | 0.599 | 1502.4 | 596. | 93.52 | 1.333 |
| 700. | 10.516 | 35.611 | | 10.430 | 27.35 | 31.796 | 36.139 | 0.691 | 1504.0 | 695. | 88.56 | 1.578 |
| 800. | 10.304 | 35.675 | | 10.206 | 27.44 | 31.890 | 36.237 | 0.776 | 1504.9 | 794. | 82.28 | 1.711 |
| 900. | 10.347 | 35.780 | | 10.235 | 27.52 | 31.965 | 36.310 | 0.856 | 1506.9 | 893. | 77.65 | 1.541 |
| 1000. | 10.221 | 35.839 | | 10.097 | 27.59 | 32.038 | 36.386 | 0.931 | 1508.2 | 992. | 73.20 | 1.520 |
| 1100. | 9.840 | 35.836 | | 9.706 | 27.66 | 32.111 | 36.467 | 1.002 | 1508.4 | 1091. | 68.70 | 1.522 |
| 1200. | 9.335 | 35.795 | | 9.193 | 27.71 | 32.176 | 36.543 | 1.069 | 1508.2 | 1190. | 64.72 | 1.452 |
| 1300. | 8.472 | 35.675 | | 8.325 | 27.75 | 32.242 | 36.628 | 1.131 | 1506.6 | 1289. | 60.26 | 1.491 |
| 1400. | 7.309 | 35.483 | | 7.162 | 27.78 | 32.292 | 36.706 | 1.189 | 1503.6 | 1388. | 56.58 | 1.375 |
| 1500. | 6.215 | 35.306 | | 6.069 | 27.79 | 32.329 | 36.769 | 1.244 | 1500.8 | 1486. | 53.66 | 1.245 |
| 1600. | 5.217 | 35.153 | | 5.072 | 27.79 | 32.357 | 36.822 | 1.296 | 1498.2 | 1585. | 51.17 | 1.151 |
| 1700. | 4.434 | 35.039 | | 4.289 | 27.79 | 32.375 | 36.861 | 1.347 | 1496.6 | 1684. | 49.40 | 1.005 |
| 1800. | 4.209 | 35.014 | | 4.058 | 27.79 | 32.387 | 36.879 | 1.396 | 1497.3 | 1782. | 48.97 | 0.716 |
| 1900. | 4.195 | 35.037 | | 4.034 | 27.81 | 32.408 | 36.901 | 1.445 | 1498.9 | 1881. | 48.06 | 0.819 |
| 2000. | 4.054 | 35.031 | | 3.885 | 27.82 | 32.422 | 36.919 | 1.492 | 1500.0 | 1980. | 47.41 | 0.759 |
| 2100. | 3.855 | 35.022 | | 3.679 | 27.84 | 32.442 | 36.944 | 1.539 | 1500.9 | 2078. | 46.06 | 0.895 |
| 2200. | 3.656 | 35.007 | | 3.474 | 27.85 | 32.456 | 36.963 | 1.585 | 1501.7 | 2176. | 45.18 | 0.793 |
| 2300. | 3.475 | 34.995 | | 3.286 | 27.85 | 32.470 | 36.982 | 1.629 | 1502.6 | 2275. | 44.18 | 0.806 |
| 2400. | 3.330 | 34.985 | | 3.134 | 27.86 | 32.481 | 36.997 | 1.673 | 1503.7 | 2373. | 43.58 | 0.709 |
| 2500. | 3.205 | 34.976 | | 3.000 | 27.87 | 32.490 | 37.010 | 1.717 | 1504.8 | 2472. | 43.12 | 0.668 |
| 2600. | 3.109 | 34.969 | | 2.897 | 27.87 | 32.497 | 37.019 | 1.760 | 1506.1 | 2570. | 42.92 | 0.592 |
| 2700. | 3.001 | 34.955 | | 2.780 | 27.87 | 32.499 | 37.025 | 1.802 | 1507.3 | 2668. | 42.99 | 0.500 |
| 2800. | 2.928 | 34.955 | | 2.699 | 27.88 | 32.509 | 37.037 | 1.845 | 1508.7 | 2766. | 42.54 | 0.647 |
| 2900. | 2.871 | 34.950 | | 2.633 | 27.88 | 32.512 | 37.042 | 1.887 | 1510.1 | 2864. | 42.67 | 0.466 |
| 3000. | 2.819 | 34.946 | | 2.572 | 27.88 | 32.516 | 37.047 | 1.930 | 1511.6 | 2962. | 42.78 | 0.466 |
| 3100. | 2.766 | 34.941 | | 2.509 | 27.88 | 32.519 | 37.052 | 1.973 | 1513.1 | 3060. | 42.89 | 0.462 |
| 3200. | 2.722 | 34.937 | | 2.456 | 27.88 | 32.522 | 37.057 | 2.016 | 1514.6 | 3158. | 43.09 | 0.425 |
| 3300. | 2.678 | 34.933 | | 2.402 | 27.88 | 32.525 | 37.061 | 2.059 | 1516.1 | 3256. | 43.24 | 0.442 |
| 3400. | 2.650 | 34.929 | | 2.364 | 27.89 | 32.526 | 37.063 | 2.103 | 1517.7 | 3354. | 43.60 | 0.348 |
| 3500. | 2.619 | 34.926 | | 2.323 | 27.89 | 32.528 | 37.066 | 2.146 | 1519.3 | 3452. | 43.90 | 0.371 |
| 3600. | 2.589 | 34.922 | | 2.283 | 27.89 | 32.530 | 37.069 | 2.190 | 1520.9 | 3550. | 44.18 | 0.380 |
| 3700. | 2.571 | 34.919 | | 2.254 | 27.89 | 32.531 | 37.071 | 2.235 | 1522.5 | 3648. | 44.62 | 0.300 |
| 3800. | 2.551 | 34.916 | | 2.223 | 27.89 | 32.531 | 37.072 | 2.280 | 1524.1 | 3746. | 45.03 | 0.309 |
| 3900. | 2.537 | 34.913 | | 2.198 | 27.89 | 32.532 | 37.073 | 2.325 | 1525.8 | 3843. | 45.52 | 0.255 |
| 4000. | 2.518 | 34.911 | | 2.169 | 27.89 | 32.534 | 37.076 | 2.371 | 1527.4 | 3941. | 45.81 | 0.372 |
| 4100. | 2.509 | 34.908 | | 2.148 | 27.89 | 32.534 | 37.077 | 2.417 | 1529.1 | 4038. | 46.32 | 0.246 |
| 4200. | 2.503 | 34.907 | | 2.131 | 27.89 | 32.534 | 37.078 | 2.463 | 1530.8 | 4136. | 46.83 | 0.240 |
| 4300. | 2.500 | 34.905 | | 2.116 | 27.89 | 32.535 | 37.079 | 2.510 | 1532.5 | 4234. | 47.35 | 0.236 |
| 4400. | 2.499 | 34.903 | | 2.104 | 27.89 | 32.535 | 37.079 | 2.558 | 1534.2 | 4331. | 47.93 | 0.186 |
| 4500. | 2.501 | 34.902 | | 2.094 | 27.89 | 32.535 | 37.079 | 2.606 | 1536.0 | 4428. | 48.52 | 0.181 |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1 POTEMP DEGC
2 SALIN PPT
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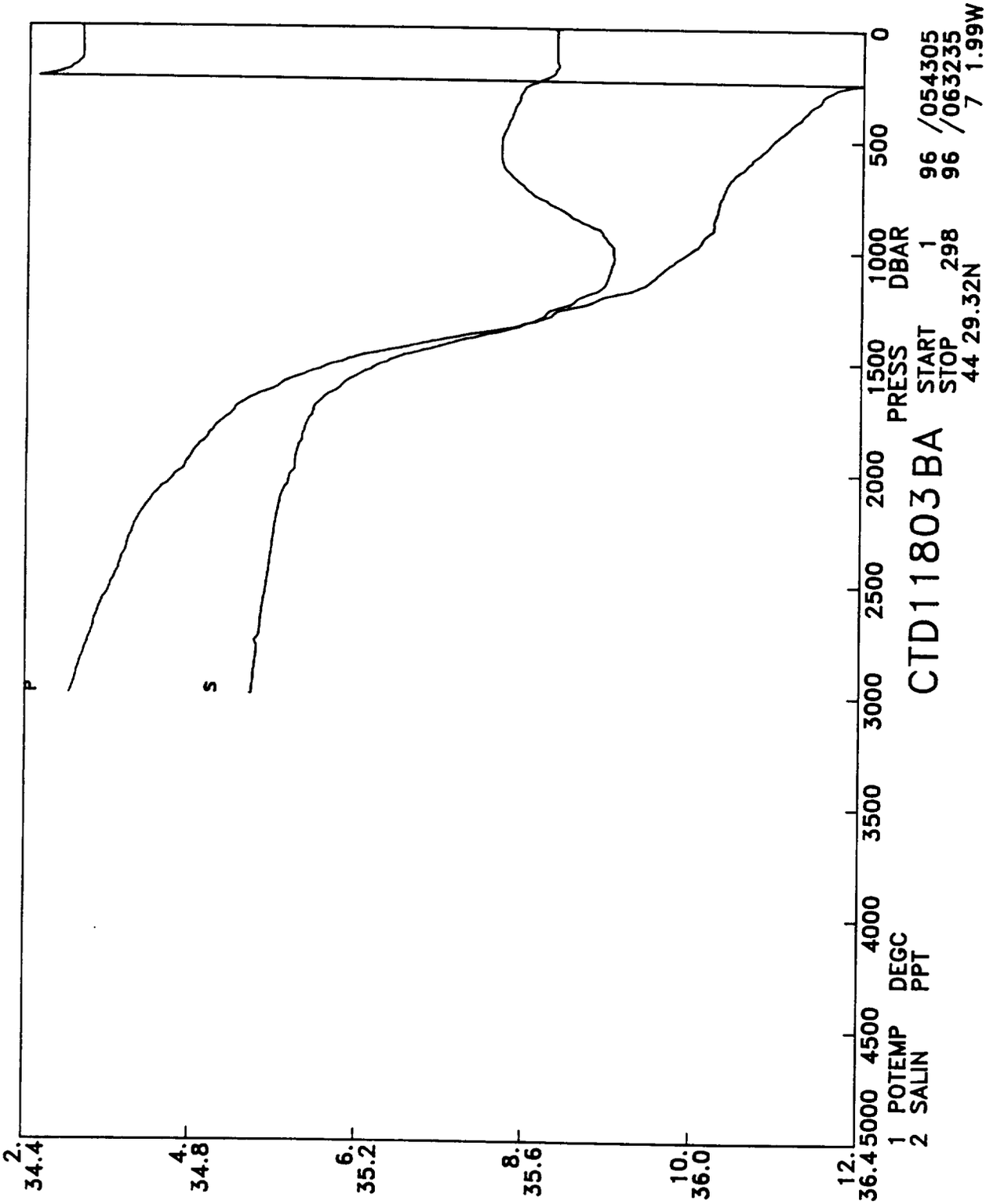
S
CTD11802AW START 1 95 /185655
STOP 299 95 /194635
45 4.12N 7 0.35W

## DISCOVERY 181 STATION 11802

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 12.482 | 35.663 | | 12.480 | 27.01 | 31.410 | 35.712 | 0.010 | 1499.4 | 10. | 104.01 | -9.999 |
| 20. | 12.474 | 35.661 | | 12.471 | 27.01 | 31.411 | 35.713 | 0.021 | 1499.5 | 20. | 104.24 | 0.440 |
| 30. | 12.391 | 35.653 | | 12.387 | 27.02 | 31.423 | 35.726 | 0.031 | 1499.4 | 30. | 103.59 | 1.765 |
| 40. | 12.376 | 35.650 | | 12.370 | 27.02 | 31.424 | 35.728 | 0.042 | 1499.5 | 40. | 103.76 | 0.620 |
| 50. | 12.375 | 35.650 | | 12.368 | 27.02 | 31.424 | 35.728 | 0.052 | 1499.7 | 50. | 104.05 | 0.074 |
| 60. | 12.373 | 35.649 | | 12.365 | 27.02 | 31.425 | 35.729 | 0.062 | 1499.8 | 60. | 104.32 | 0.222 |
| 70. | 12.363 | 35.647 | | 12.353 | 27.02 | 31.425 | 35.730 | 0.073 | 1500.0 | 69. | 104.55 | 0.445 |
| 80. | 12.342 | 35.642 | | 12.331 | 27.02 | 31.427 | 35.731 | 0.083 | 1500.1 | 79. | 104.75 | 0.524 |
| 100. | 12.287 | 35.633 | | 12.274 | 27.03 | 31.432 | 35.738 | 0.104 | 1500.2 | 99. | 104.91 | 0.820 |
| 120. | 12.271 | 35.632 | | 12.255 | 27.03 | 31.435 | 35.742 | 0.125 | 1500.5 | 119. | 105.21 | 0.674 |
| 140. | 12.269 | 35.640 | | 12.250 | 27.04 | 31.443 | 35.749 | 0.146 | 1500.8 | 139. | 105.10 | 1.061 |
| 160. | 12.256 | 35.640 | | 12.234 | 27.04 | 31.446 | 35.752 | 0.167 | 1501.1 | 159. | 105.39 | 0.681 |
| 180. | 12.236 | 35.636 | | 12.212 | 27.04 | 31.447 | 35.754 | 0.188 | 1501.4 | 178. | 105.86 | 0.397 |
| 200. | 12.126 | 35.621 | | 12.100 | 27.05 | 31.460 | 35.769 | 0.210 | 1501.3 | 198. | 105.37 | 1.323 |
| 220. | 11.958 | 35.610 | | 11.929 | 27.08 | 31.488 | 35.801 | 0.230 | 1501.0 | 218. | 103.55 | 1.991 |
| 240. | 11.700 | 35.593 | | 11.669 | 27.11 | 31.530 | 35.848 | 0.251 | 1500.5 | 238. | 100.51 | 2.447 |
| 260. | 11.567 | 35.585 | | 11.533 | 27.13 | 31.551 | 35.872 | 0.271 | 1500.3 | 258. | 99.21 | 1.753 |
| 280. | 11.443 | 35.575 | | 11.407 | 27.15 | 31.570 | 35.893 | 0.290 | 1500.2 | 278. | 98.20 | 1.611 |
| 300. | 11.346 | 35.566 | | 11.308 | 27.16 | 31.584 | 35.909 | 0.310 | 1500.2 | 297. | 97.51 | 1.423 |
| 320. | 11.269 | 35.560 | | 11.228 | 27.17 | 31.596 | 35.923 | 0.329 | 1500.3 | 317. | 97.06 | 1.278 |
| 340. | 11.253 | 35.559 | | 11.210 | 27.17 | 31.598 | 35.926 | 0.349 | 1500.5 | 337. | 97.36 | 0.623 |
| 360. | 11.194 | 35.554 | | 11.148 | 27.18 | 31.607 | 35.936 | 0.368 | 1500.6 | 357. | 97.11 | 1.131 |
| 380. | 11.136 | 35.549 | | 11.088 | 27.19 | 31.616 | 35.946 | 0.388 | 1500.8 | 377. | 96.90 | 1.111 |
| 400. | 11.096 | 35.546 | | 11.045 | 27.19 | 31.622 | 35.953 | 0.407 | 1501.0 | 396. | 96.88 | 0.941 |
| 450. | 10.970 | 35.540 | | 10.914 | 27.21 | 31.644 | 35.977 | 0.455 | 1501.3 | 446. | 96.23 | 1.138 |
| 500. | 10.817 | 35.537 | | 10.754 | 27.24 | 31.674 | 36.011 | 0.503 | 1501.6 | 495. | 94.85 | 1.334 |
| 550. | 10.711 | 35.540 | | 10.642 | 27.26 | 31.699 | 36.037 | 0.550 | 1502.1 | 545. | 93.89 | 1.218 |
| 600. | 10.616 | 35.560 | | 10.542 | 27.30 | 31.734 | 36.075 | 0.597 | 1502.6 | 594. | 91.84 | 1.487 |
| 700. | 10.404 | 35.623 | | 10.318 | 27.38 | 31.827 | 36.172 | 0.686 | 1503.6 | 693. | 85.71 | 1.698 |
| 800. | 10.278 | 35.728 | | 10.180 | 27.49 | 31.935 | 36.282 | 0.767 | 1504.9 | 792. | 78.00 | 1.845 |
| 900. | 10.208 | 35.808 | | 10.097 | 27.57 | 32.014 | 36.362 | 0.843 | 1506.4 | 891. | 73.08 | 1.570 |
| 1000. | 9.899 | 35.815 | | 9.778 | 27.63 | 32.081 | 36.435 | 0.914 | 1507.0 | 989. | 69.20 | 1.452 |
| 1100. | 9.446 | 35.795 | | 9.315 | 27.69 | 32.153 | 36.518 | 0.981 | 1507.0 | 1088. | 64.67 | 1.517 |
| 1200. | 8.628 | 35.685 | | 8.492 | 27.74 | 32.220 | 36.603 | 1.044 | 1505.5 | 1187. | 60.35 | 1.479 |
| 1300. | 7.651 | 35.528 | | 7.512 | 27.76 | 32.268 | 36.674 | 1.102 | 1503.3 | 1285. | 57.20 | 1.315 |
| 1400. | 6.785 | 35.397 | | 6.644 | 27.78 | 32.309 | 36.736 | 1.158 | 1501.4 | 1384. | 54.49 | 1.229 |
| 1500. | 5.980 | 35.280 | | 5.837 | 27.79 | 32.343 | 36.790 | 1.211 | 1499.8 | 1482. | 52.03 | 1.168 |
| 1600. | 5.434 | 35.204 | | 5.287 | 27.80 | 32.366 | 36.826 | 1.263 | 1499.2 | 1581. | 50.63 | 0.977 |
| 1700. | 4.955 | 35.143 | | 4.804 | 27.81 | 32.387 | 36.859 | 1.313 | 1498.8 | 1679. | 49.23 | 0.957 |
| 1800. | 4.560 | 35.096 | | 4.403 | 27.82 | 32.405 | 36.888 | 1.361 | 1498.8 | 1778. | 47.99 | 0.908 |
| 1900. | 4.237 | 35.063 | | 4.076 | 27.83 | 32.423 | 36.914 | 1.409 | 1499.1 | 1876. | 46.76 | 0.893 |
| 2000. | 4.001 | 35.043 | | 3.833 | 27.84 | 32.439 | 36.937 | 1.455 | 1499.8 | 1974. | 45.76 | 0.833 |
| 2100. | 3.799 | 35.026 | | 3.624 | 27.85 | 32.452 | 36.956 | 1.500 | 1500.6 | 2073. | 44.97 | 0.778 |
| 2200. | 3.613 | 35.009 | | 3.431 | 27.85 | 32.463 | 36.972 | 1.545 | 1501.5 | 2171. | 44.36 | 0.729 |
| 2300. | 3.429 | 34.995 | | 3.241 | 27.86 | 32.476 | 36.989 | 1.589 | 1502.4 | 2269. | 43.53 | 0.769 |
| 2400. | 3.284 | 34.986 | | 3.088 | 27.87 | 32.487 | 37.004 | 1.632 | 1503.5 | 2367. | 42.85 | 0.726 |
| 2500. | 3.142 | 34.975 | | 2.940 | 27.87 | 32.496 | 37.017 | 1.674 | 1504.5 | 2465. | 42.31 | 0.685 |
| 2600. | 3.027 | 34.966 | | 2.817 | 27.87 | 32.504 | 37.028 | 1.717 | 1505.7 | 2563. | 41.96 | 0.630 |
| 2700. | 2.950 | 34.960 | | 2.731 | 27.88 | 32.509 | 37.036 | 1.759 | 1507.1 | 2661. | 41.89 | 0.539 |
| 2800. | 2.873 | 34.954 | | 2.645 | 27.88 | 32.514 | 37.043 | 1.800 | 1508.5 | 2759. | 41.83 | 0.531 |
| 2900. | 2.806 | 34.949 | | 2.570 | 27.88 | 32.519 | 37.050 | 1.842 | 1509.9 | 2857. | 41.81 | 0.513 |
| 3000. | 2.751 | 34.944 | | 2.506 | 27.89 | 32.522 | 37.055 | 1.884 | 1511.3 | 2955. | 41.88 | 0.475 |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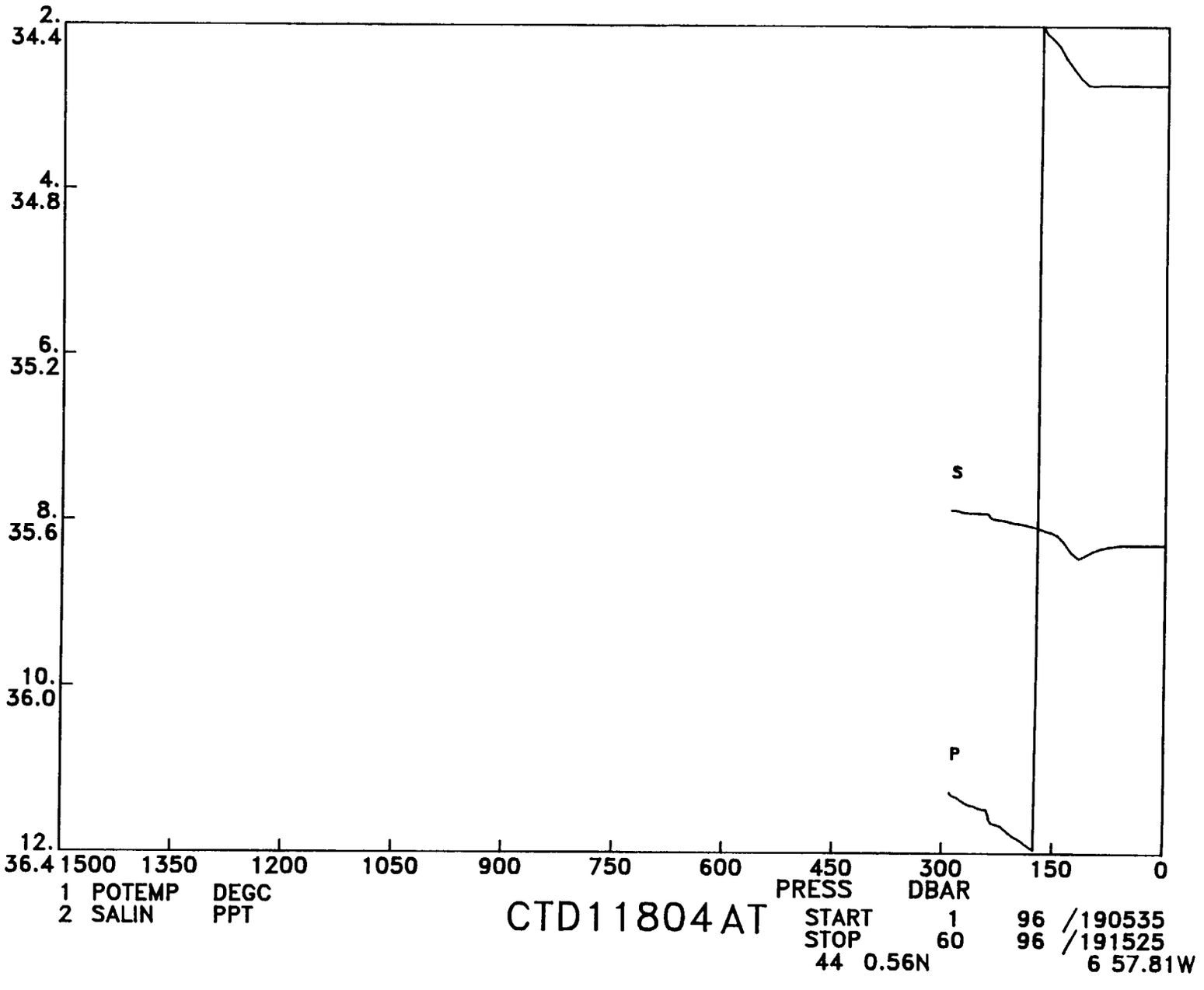
# DISCOVERY 181 STATION 11803

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 12.655 | 35.669 | | 12.653 | 26.98 | 31.378 | 35.676 | 0.011 | 1500.0 | 10. | 106.81 | -9.999 |
| 20. | 12.657 | 35.669 | | 12.654 | 26.98 | 31.377 | 35.676 | 0.021 | 1500.2 | 20. | 107.10 | -0.099 |
| 30. | 12.655 | 35.669 | | 12.651 | 26.98 | 31.378 | 35.676 | 0.032 | 1500.3 | 30. | 107.37 | 0.295 |
| 40. | 12.659 | 35.669 | | 12.654 | 26.98 | 31.377 | 35.676 | 0.043 | 1500.5 | 40. | 107.70 | -0.375 |
| 50. | 12.665 | 35.669 | | 12.658 | 26.98 | 31.376 | 35.675 | 0.054 | 1500.7 | 50. | 108.07 | -0.506 |
| 60. | 12.665 | 35.669 | | 12.657 | 26.98 | 31.376 | 35.675 | 0.064 | 1500.9 | 60. | 108.36 | 0.072 |
| 70. | 12.665 | 35.669 | | 12.656 | 26.98 | 31.377 | 35.675 | 0.075 | 1501.0 | 69. | 108.61 | 0.348 |
| 80. | 12.666 | 35.669 | | 12.655 | 26.98 | 31.377 | 35.675 | 0.086 | 1501.2 | 79. | 108.92 | -0.229 |
| 100. | 12.668 | 35.669 | | 12.655 | 26.98 | 31.377 | 35.675 | 0.108 | 1501.5 | 99. | 109.49 | 0.170 |
| 120. | 12.671 | 35.669 | | 12.655 | 26.98 | 31.377 | 35.675 | 0.130 | 1501.9 | 119. | 110.07 | 0.049 |
| 140. | 12.672 | 35.669 | | 12.653 | 26.98 | 31.377 | 35.676 | 0.152 | 1502.2 | 139. | 110.60 | 0.300 |
| 160. | 12.650 | 35.672 | | 12.628 | 26.99 | 31.385 | 35.684 | 0.174 | 1502.5 | 159. | 110.52 | 1.047 |
| 180. | 12.584 | 35.671 | | 12.559 | 27.00 | 31.399 | 35.699 | 0.196 | 1502.6 | 178. | 109.84 | 1.447 |
| 200. | 12.525 | 35.665 | | 12.498 | 27.01 | 31.408 | 35.710 | 0.218 | 1502.7 | 198. | 109.66 | 1.125 |
| 220. | 12.335 | 35.651 | | 12.306 | 27.04 | 31.439 | 35.744 | 0.240 | 1502.4 | 218. | 107.63 | 2.084 |
| 240. | 12.074 | 35.626 | | 12.042 | 27.07 | 31.476 | 35.787 | 0.261 | 1501.8 | 238. | 105.04 | 2.295 |
| 260. | 11.758 | 35.597 | | 11.724 | 27.11 | 31.521 | 35.838 | 0.282 | 1501.0 | 258. | 101.79 | 2.519 |
| 280. | 11.653 | 35.590 | | 11.617 | 27.12 | 31.538 | 35.857 | 0.302 | 1501.0 | 278. | 100.93 | 1.528 |
| 300. | 11.554 | 35.582 | | 11.515 | 27.13 | 31.553 | 35.874 | 0.322 | 1500.9 | 297. | 100.13 | 1.498 |
| 320. | 11.532 | 35.580 | | 11.491 | 27.14 | 31.557 | 35.878 | 0.342 | 1501.2 | 317. | 100.38 | 0.684 |
| 340. | 11.465 | 35.575 | | 11.421 | 27.15 | 31.567 | 35.890 | 0.362 | 1501.3 | 337. | 100.03 | 1.221 |
| 360. | 11.399 | 35.569 | | 11.353 | 27.15 | 31.577 | 35.901 | 0.382 | 1501.4 | 357. | 99.72 | 1.179 |
| 380. | 11.350 | 35.566 | | 11.302 | 27.16 | 31.585 | 35.910 | 0.402 | 1501.5 | 377. | 99.58 | 1.057 |
| 400. | 11.309 | 35.562 | | 11.258 | 27.17 | 31.591 | 35.917 | 0.422 | 1501.7 | 396. | 99.59 | 0.934 |
| 450. | 11.154 | 35.550 | | 11.097 | 27.19 | 31.615 | 35.945 | 0.471 | 1502.0 | 446. | 98.79 | 1.186 |
| 500. | 10.986 | 35.538 | | 10.923 | 27.21 | 31.641 | 35.974 | 0.521 | 1502.2 | 495. | 97.82 | 1.231 |
| 550. | 10.868 | 35.538 | | 10.799 | 27.23 | 31.666 | 36.001 | 0.569 | 1502.6 | 545. | 96.86 | 1.222 |
| 600. | 10.733 | 35.540 | | 10.659 | 27.26 | 31.695 | 36.034 | 0.617 | 1503.0 | 594. | 95.43 | 1.341 |
| 700. | 10.459 | 35.587 | | 10.373 | 27.35 | 31.789 | 36.133 | 0.710 | 1503.7 | 693. | 89.28 | 1.701 |
| 800. | 10.372 | 35.666 | | 10.273 | 27.43 | 31.870 | 36.215 | 0.797 | 1505.2 | 792. | 84.15 | 1.594 |
| 900. | 10.325 | 35.770 | | 10.214 | 27.52 | 31.962 | 36.308 | 0.878 | 1506.8 | 891. | 77.93 | 1.706 |
| 1000. | 10.060 | 35.808 | | 9.937 | 27.59 | 32.045 | 36.396 | 0.953 | 1507.5 | 990. | 72.60 | 1.613 |
| 1100. | 9.708 | 35.797 | | 9.576 | 27.65 | 32.106 | 36.465 | 1.024 | 1507.9 | 1088. | 69.13 | 1.399 |
| 1200. | 9.118 | 35.737 | | 8.978 | 27.70 | 32.171 | 36.543 | 1.092 | 1507.4 | 1187. | 65.10 | 1.453 |
| 1300. | 8.407 | 35.638 | | 8.262 | 27.74 | 32.224 | 36.612 | 1.155 | 1506.3 | 1285. | 61.89 | 1.339 |
| 1400. | 7.131 | 35.450 | | 6.987 | 27.78 | 32.295 | 36.713 | 1.214 | 1502.9 | 1384. | 56.11 | 1.608 |
| 1500. | 5.967 | 35.269 | | 5.824 | 27.79 | 32.337 | 36.784 | 1.268 | 1499.7 | 1483. | 52.59 | 1.318 |
| 1600. | 5.224 | 35.164 | | 5.079 | 27.80 | 32.364 | 36.829 | 1.320 | 1498.3 | 1581. | 50.51 | 1.084 |
| 1700. | 4.692 | 35.094 | | 4.544 | 27.80 | 32.384 | 36.863 | 1.370 | 1497.7 | 1679. | 49.04 | 0.960 |
| 1800. | 4.415 | 35.068 | | 4.261 | 27.81 | 32.403 | 36.889 | 1.418 | 1498.2 | 1778. | 47.94 | 0.872 |
| 1900. | 4.197 | 35.052 | | 4.036 | 27.82 | 32.419 | 36.912 | 1.466 | 1499.0 | 1876. | 47.02 | 0.825 |
| 2000. | 4.004 | 35.039 | | 3.836 | 27.83 | 32.436 | 36.933 | 1.512 | 1499.8 | 1974. | 46.07 | 0.822 |
| 2100. | 3.730 | 35.015 | | 3.557 | 27.84 | 32.452 | 36.957 | 1.558 | 1500.3 | 2073. | 44.85 | 0.866 |
| 2200. | 3.545 | 35.003 | | 3.365 | 27.85 | 32.466 | 36.976 | 1.602 | 1501.2 | 2171. | 43.90 | 0.802 |
| 2300. | 3.432 | 34.995 | | 3.244 | 27.86 | 32.475 | 36.988 | 1.646 | 1502.4 | 2269. | 43.62 | 0.633 |
| 2400. | 3.344 | 34.987 | | 3.147 | 27.86 | 32.481 | 36.997 | 1.690 | 1503.7 | 2367. | 43.62 | 0.546 |
| 2500. | 3.236 | 34.980 | | 3.031 | 27.87 | 32.489 | 37.008 | 1.733 | 1504.9 | 2465. | 43.32 | 0.627 |
| 2600. | 3.114 | 34.971 | | 2.902 | 27.87 | 32.497 | 37.020 | 1.776 | 1506.1 | 2563. | 42.88 | 0.657 |
| 2700. | 3.036 | 34.965 | | 2.815 | 27.87 | 32.503 | 37.028 | 1.819 | 1507.5 | 2661. | 42.80 | 0.550 |
| 2800. | 2.942 | 34.957 | | 2.713 | 27.88 | 32.509 | 37.036 | 1.862 | 1508.8 | 2759. | 42.61 | 0.576 |
| 2900. | 2.858 | 34.950 | | 2.621 | 27.88 | 32.513 | 37.043 | 1.904 | 1510.1 | 2857. | 42.52 | 0.541 |
| 3000. | 2.785 | 34.944 | | 2.538 | 27.88 | 32.518 | 37.051 | 1.947 | 1511.5 | 2955. | 42.41 | 0.541 |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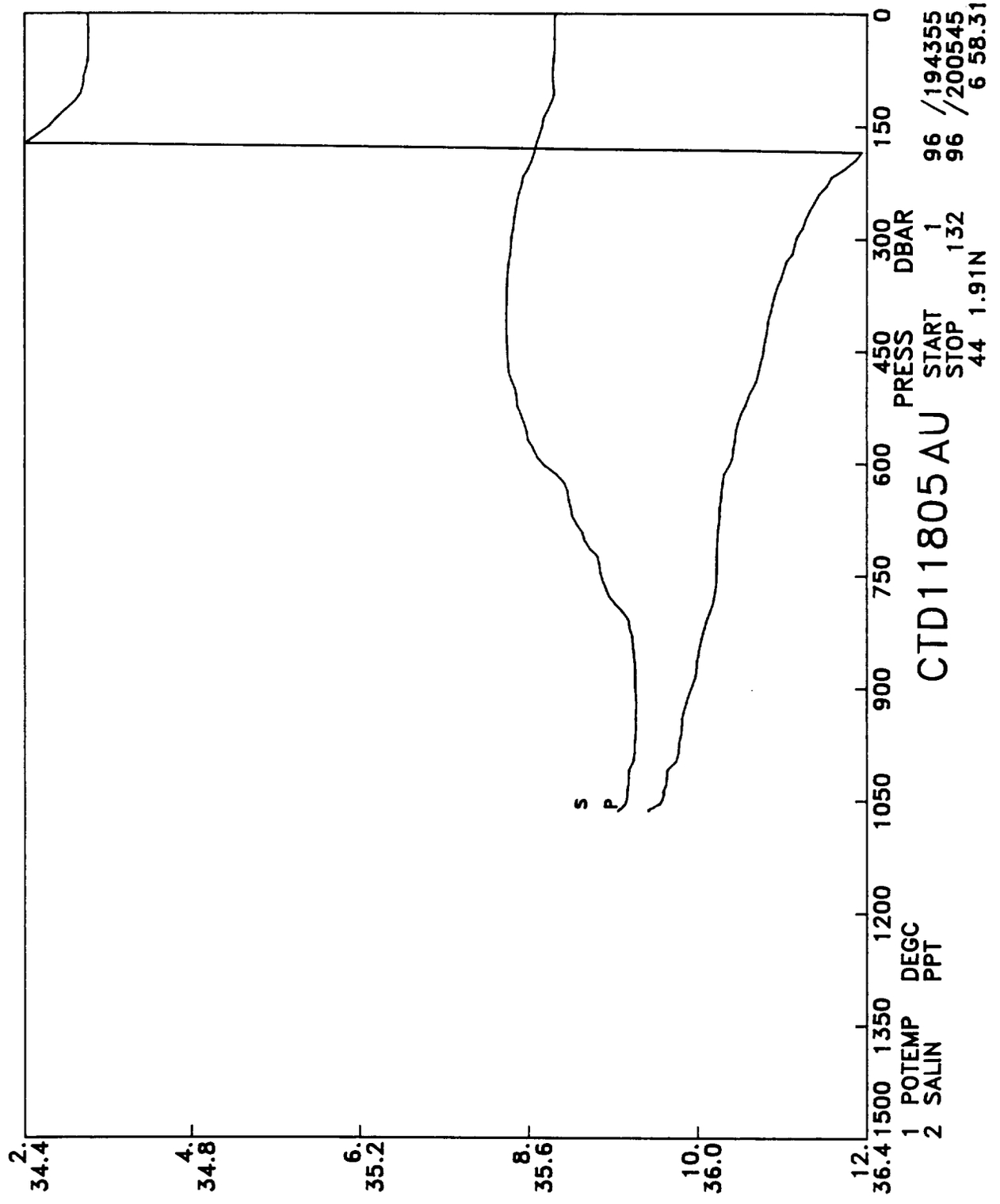
## DISCOVERY 181 STATION 11804

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 $KG/M^3$ | SIG1000 $KG/M^3$ | SIG2000 $KG/M^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}M^3/KG$ | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 12.723 | 35.657 | | 12.721 | 26.96 | 31.353 | 35.650 | 0.011 | 1500.2 | 10. | 108.99 | -9.999 |
| 20. | 12.724 | 35.656 | | 12.721 | 26.96 | 31.352 | 35.649 | 0.022 | 1500.4 | 20. | 109.39 | -0.577 |
| 30. | 12.727 | 35.657 | | 12.723 | 26.96 | 31.353 | 35.650 | 0.033 | 1500.5 | 30. | 109.62 | 0.445 |
| 40. | 12.725 | 35.657 | | 12.719 | 26.96 | 31.353 | 35.651 | 0.044 | 1500.7 | 40. | 109.85 | 0.440 |
| 50. | 12.724 | 35.656 | | 12.717 | 26.96 | 31.354 | 35.651 | 0.055 | 1500.9 | 50. | 110.11 | 0.326 |
| 60. | 12.730 | 35.656 | | 12.722 | 26.96 | 31.353 | 35.650 | 0.066 | 1501.1 | 60. | 110.50 | -0.566 |
| 70. | 12.722 | 35.660 | | 12.713 | 26.96 | 31.358 | 35.655 | 0.077 | 1501.2 | 69. | 110.33 | 1.241 |
| 80. | 12.726 | 35.662 | | 12.715 | 26.96 | 31.359 | 35.656 | 0.088 | 1501.4 | 79. | 110.52 | 0.604 |
| 100. | 12.742 | 35.674 | | 12.729 | 26.97 | 31.365 | 35.662 | 0.110 | 1501.8 | 99. | 110.48 | 1.016 |
| 120. | 12.623 | 35.686 | | 12.607 | 27.00 | 31.401 | 35.700 | 0.132 | 1501.7 | 119. | 107.89 | 2.299 |
| 140. | 12.376 | 35.643 | | 12.358 | 27.02 | 31.422 | 35.726 | 0.153 | 1501.2 | 139. | 106.88 | 1.628 |
| 160. | 12.162 | 35.625 | | 12.141 | 27.05 | 31.454 | 35.763 | 0.174 | 1500.8 | 159. | 104.74 | 2.124 |
| 180. | 11.960 | 35.613 | | 11.936 | 27.08 | 31.488 | 35.801 | 0.195 | 1500.4 | 178. | 102.38 | 2.208 |
| 200. | 11.834 | 35.605 | | 11.808 | 27.10 | 31.509 | 35.824 | 0.215 | 1500.3 | 198. | 101.16 | 1.718 |
| 220. | 11.702 | 35.597 | | 11.674 | 27.12 | 31.531 | 35.849 | 0.235 | 1500.1 | 218. | 99.82 | 1.779 |
| 240. | 11.586 | 35.588 | | 11.556 | 27.13 | 31.549 | 35.869 | 0.255 | 1500.1 | 238. | 98.85 | 1.584 |
| 260. | 11.450 | 35.580 | | 11.417 | 27.15 | 31.572 | 35.895 | 0.275 | 1499.9 | 258. | 97.46 | 1.796 |
| 280. | 11.367 | 35.574 | | 11.332 | 27.16 | 31.585 | 35.910 | 0.294 | 1500.0 | 278. | 96.86 | 1.378 |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PRESS DBAR
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START 96 /194355
STOP 96 /200545
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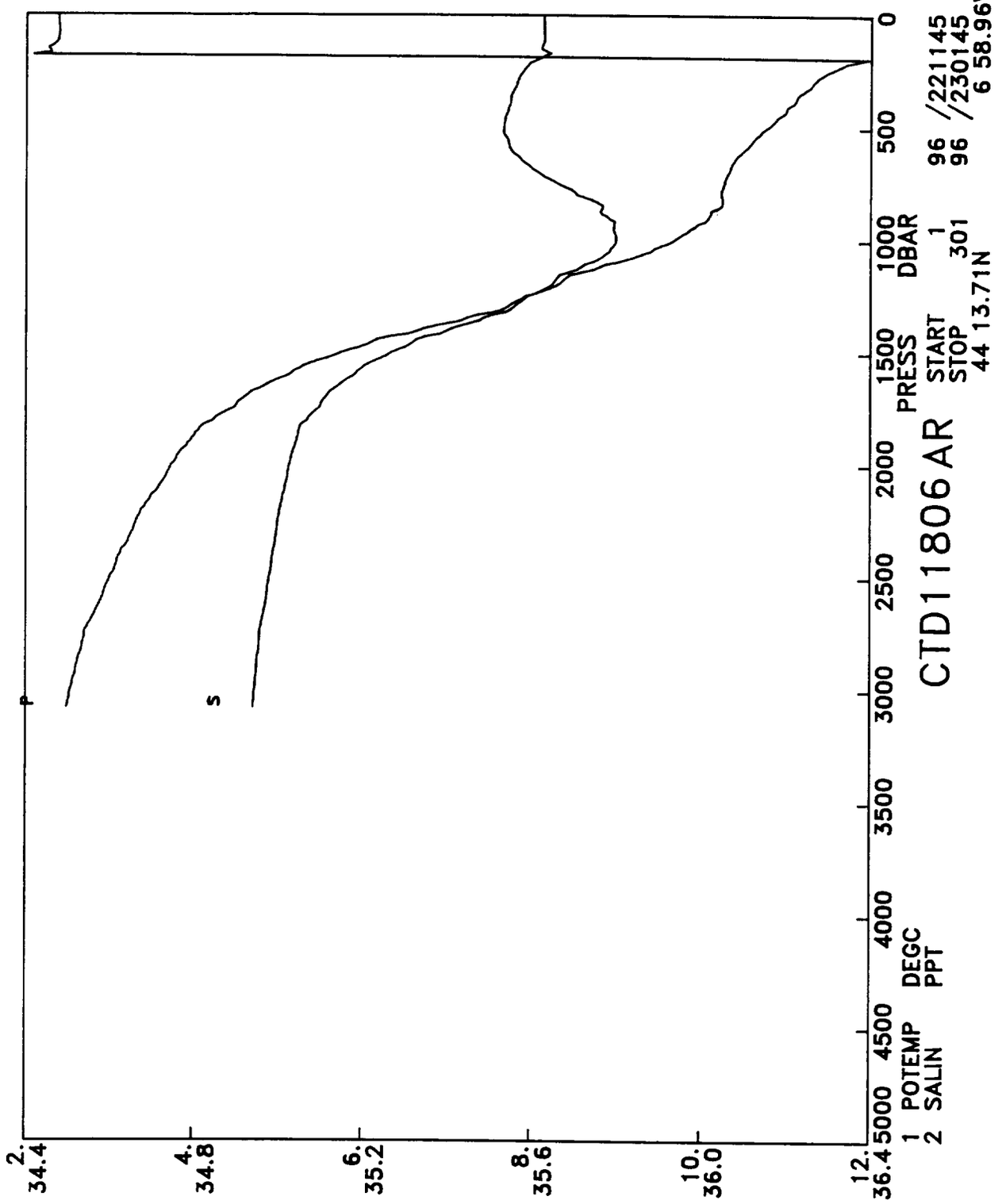
1 132

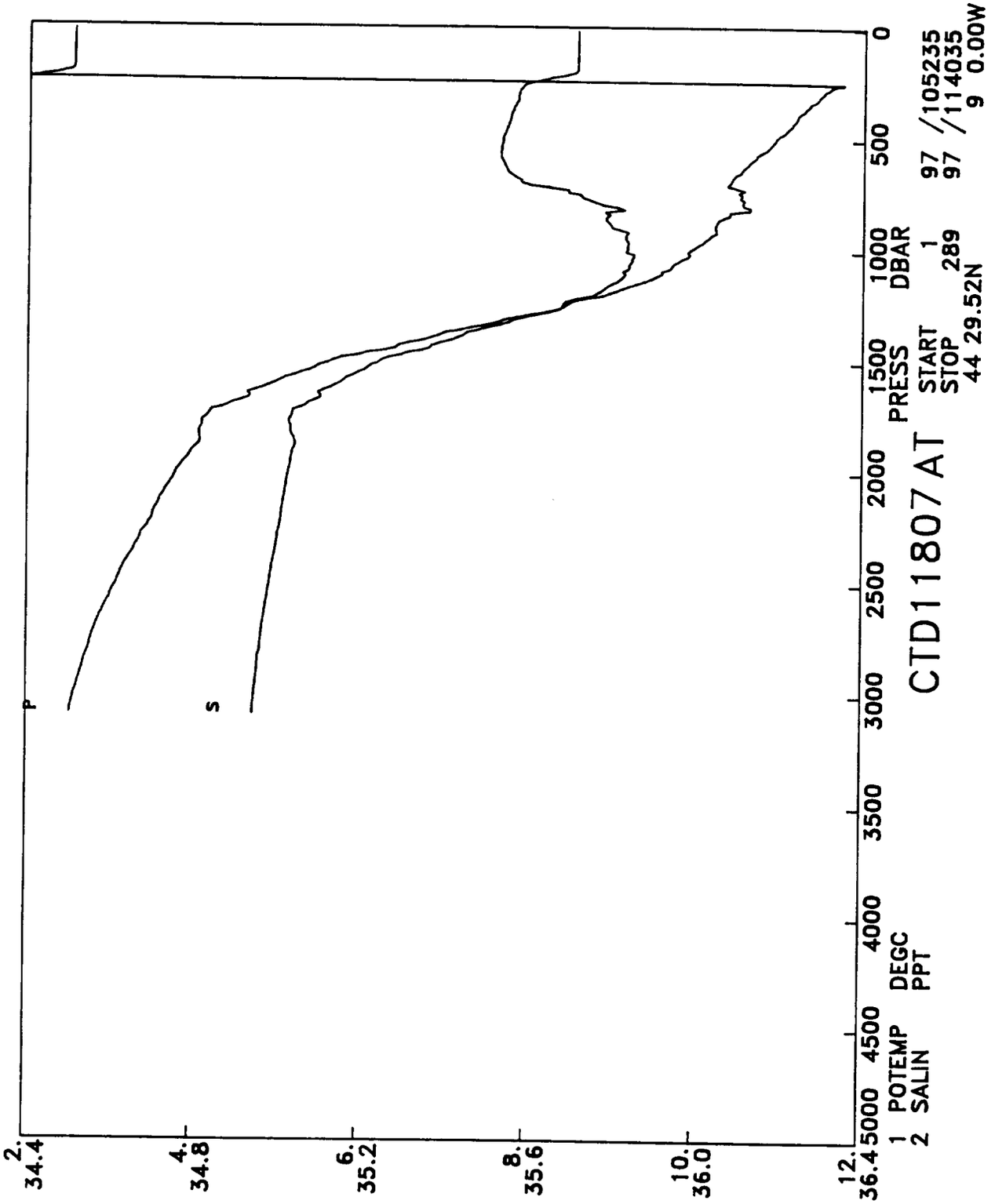
# DISCOVERY 181 STATION 11805

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 $KG/M^3$ | SIG1000 $KG/M^3$ | SIG2000 $KG/M^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}M^3/KG$ | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 12.762 | 35.661 | | 12.761 | 26.95 | 31.348 | 35.644 | 0.011 | 1500.3 | 10. | 109.43 | -9.999 |
| 20. | 12.766 | 35.661 | | 12.764 | 26.95 | 31.347 | 35.643 | 0.022 | 1500.5 | 20. | 109.78 | -0.445 |
| 30. | 12.767 | 35.661 | | 12.763 | 26.95 | 31.347 | 35.643 | 0.033 | 1500.7 | 30. | 110.08 | -0.156 |
| 40. | 12.767 | 35.661 | | 12.762 | 26.95 | 31.348 | 35.644 | 0.044 | 1500.9 | 40. | 110.31 | 0.445 |
| 50. | 12.771 | 35.660 | | 12.765 | 26.95 | 31.346 | 35.643 | 0.055 | 1501.0 | 50. | 110.73 | -0.652 |
| 60. | 12.760 | 35.658 | | 12.752 | 26.95 | 31.348 | 35.644 | 0.066 | 1501.2 | 60. | 110.92 | 0.580 |
| 70. | 12.749 | 35.658 | | 12.740 | 26.96 | 31.350 | 35.647 | 0.077 | 1501.3 | 69. | 111.04 | 0.786 |
| 80. | 12.721 | 35.656 | | 12.710 | 26.96 | 31.355 | 35.652 | 0.088 | 1501.4 | 79. | 110.93 | 1.148 |
| 100. | 12.702 | 35.662 | | 12.689 | 26.97 | 31.364 | 35.662 | 0.110 | 1501.6 | 99. | 110.61 | 1.230 |
| 120. | 12.577 | 35.650 | | 12.560 | 26.99 | 31.383 | 35.683 | 0.132 | 1501.5 | 119. | 109.68 | 1.587 |
| 140. | 12.394 | 35.633 | | 12.376 | 27.01 | 31.410 | 35.714 | 0.154 | 1501.2 | 139. | 107.97 | 1.952 |
| 160. | 12.204 | 35.626 | | 12.183 | 27.04 | 31.446 | 35.754 | 0.176 | 1500.9 | 159. | 105.43 | 2.274 |
| 180. | 12.008 | 35.616 | | 11.985 | 27.07 | 31.481 | 35.792 | 0.196 | 1500.6 | 178. | 103.02 | 2.228 |
| 200. | 11.827 | 35.603 | | 11.801 | 27.10 | 31.510 | 35.825 | 0.217 | 1500.2 | 198. | 101.13 | 2.020 |
| 220. | 11.595 | 35.585 | | 11.566 | 27.13 | 31.545 | 35.865 | 0.237 | 1499.8 | 218. | 98.74 | 2.212 |
| 240. | 11.462 | 35.576 | | 11.431 | 27.15 | 31.566 | 35.889 | 0.256 | 1499.6 | 238. | 97.46 | 1.740 |
| 260. | 11.378 | 35.570 | | 11.345 | 27.16 | 31.579 | 35.904 | 0.276 | 1499.7 | 258. | 96.88 | 1.366 |
| 280. | 11.300 | 35.564 | | 11.264 | 27.17 | 31.591 | 35.918 | 0.295 | 1499.7 | 278. | 96.36 | 1.323 |
| 300. | 11.194 | 35.557 | | 11.156 | 27.18 | 31.608 | 35.937 | 0.314 | 1499.7 | 297. | 95.44 | 1.555 |
| 320. | 11.161 | 35.556 | | 11.120 | 27.19 | 31.615 | 35.944 | 0.333 | 1499.9 | 317. | 95.41 | 0.956 |
| 340. | 11.061 | 35.550 | | 11.018 | 27.20 | 31.631 | 35.962 | 0.352 | 1499.8 | 337. | 94.55 | 1.519 |
| 360. | 11.002 | 35.549 | | 10.957 | 27.21 | 31.642 | 35.975 | 0.371 | 1500.0 | 357. | 94.05 | 1.305 |
| 380. | 10.950 | 35.547 | | 10.903 | 27.22 | 31.652 | 35.985 | 0.390 | 1500.1 | 377. | 93.73 | 1.182 |
| 400. | 10.907 | 35.547 | | 10.857 | 27.23 | 31.661 | 35.995 | 0.409 | 1500.3 | 396. | 93.46 | 1.147 |
| 450. | 10.829 | 35.550 | | 10.773 | 27.25 | 31.680 | 36.016 | 0.455 | 1500.9 | 446. | 92.96 | 1.088 |
| 500. | 10.699 | 35.570 | | 10.637 | 27.29 | 31.723 | 36.062 | 0.501 | 1501.2 | 495. | 90.32 | 1.615 |
| 550. | 10.532 | 35.592 | | 10.464 | 27.33 | 31.775 | 36.117 | 0.546 | 1501.5 | 545. | 86.85 | 1.778 |
| 600. | 10.463 | 35.628 | | 10.390 | 27.37 | 31.817 | 36.160 | 0.589 | 1502.1 | 594. | 84.19 | 1.616 |
| 700. | 10.318 | 35.732 | | 10.232 | 27.48 | 31.929 | 36.274 | 0.667 | 1503.4 | 693. | 76.19 | 1.873 |
| 800. | 10.235 | 35.826 | | 10.137 | 27.57 | 32.020 | 36.367 | 0.741 | 1504.9 | 792. | 70.04 | 1.698 |
| 900. | 10.034 | 35.851 | | 9.925 | 27.63 | 32.081 | 36.432 | 0.809 | 1505.8 | 891. | 66.82 | 1.376 |
| 1000. | 9.852 | 35.847 | | 9.731 | 27.66 | 32.115 | 36.470 | 0.875 | 1506.8 | 990. | 66.01 | 1.033 |


CTD11806AR
START 96 /221145
STOP 96 /230145
44 13.71N 6 58.96W
PRESS DBAR
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000
1 POTEMP DEGC
2 SALIN PPT
2. 4. 6. 8. 10. 12.
34.4 34.8 35.2 35.6 36.0 36.4
P
S

# DISCOVERY 181 STATION 11806

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 12.393 | 35.630 | | 12.392 | 27.00 | 31.404 | 35.708 | 0.010 | 1499.1 | 10. | 104.79 | -9.999 |
| 20. | 12.388 | 35.630 | | 12.385 | 27.00 | 31.406 | 35.710 | 0.021 | 1499.2 | 20. | 104.92 | 0.725 |
| 30. | 12.396 | 35.630 | | 12.392 | 27.00 | 31.404 | 35.707 | 0.031 | 1499.4 | 30. | 105.39 | -0.774 |
| 40. | 12.397 | 35.630 | | 12.392 | 27.00 | 31.404 | 35.708 | 0.042 | 1499.6 | 40. | 105.67 | 0.098 |
| 50. | 12.402 | 35.629 | | 12.395 | 27.00 | 31.403 | 35.706 | 0.053 | 1499.8 | 50. | 106.06 | -0.594 |
| 60. | 12.408 | 35.629 | | 12.400 | 27.00 | 31.402 | 35.705 | 0.063 | 1499.9 | 60. | 106.43 | -0.535 |
| 70. | 12.408 | 35.629 | | 12.399 | 27.00 | 31.402 | 35.706 | 0.074 | 1500.1 | 69. | 106.67 | 0.387 |
| 80. | 12.405 | 35.631 | | 12.394 | 27.00 | 31.404 | 35.708 | 0.085 | 1500.3 | 79. | 106.80 | 0.746 |
| 100. | 12.403 | 35.630 | | 12.390 | 27.00 | 31.405 | 35.709 | 0.106 | 1500.6 | 99. | 107.29 | 0.359 |
| 120. | 12.387 | 35.629 | | 12.371 | 27.01 | 31.408 | 35.712 | 0.127 | 1500.9 | 119. | 107.60 | 0.667 |
| 140. | 12.330 | 35.624 | | 12.312 | 27.01 | 31.417 | 35.722 | 0.149 | 1501.0 | 139. | 107.45 | 1.097 |
| 160. | 12.313 | 35.635 | | 12.292 | 27.03 | 31.429 | 35.735 | 0.170 | 1501.3 | 159. | 106.85 | 1.394 |
| 180. | 12.083 | 35.631 | | 12.059 | 27.07 | 31.476 | 35.786 | 0.191 | 1500.8 | 178. | 103.35 | 2.604 |
| 200. | 11.864 | 35.610 | | 11.838 | 27.09 | 31.507 | 35.822 | 0.212 | 1500.4 | 198. | 101.32 | 2.079 |
| 220. | 11.686 | 35.593 | | 11.658 | 27.12 | 31.532 | 35.850 | 0.232 | 1500.1 | 218. | 99.83 | 1.844 |
| 240. | 11.570 | 35.583 | | 11.539 | 27.13 | 31.549 | 35.869 | 0.252 | 1500.0 | 238. | 98.91 | 1.559 |
| 260. | 11.470 | 35.574 | | 11.437 | 27.14 | 31.564 | 35.886 | 0.272 | 1500.0 | 258. | 98.21 | 1.436 |
| 280. | 11.394 | 35.569 | | 11.359 | 27.15 | 31.576 | 35.900 | 0.291 | 1500.0 | 278. | 97.73 | 1.306 |
| 300. | 11.345 | 35.565 | | 11.307 | 27.16 | 31.583 | 35.908 | 0.311 | 1500.2 | 297. | 97.63 | 1.023 |
| 320. | 11.301 | 35.561 | | 11.260 | 27.17 | 31.590 | 35.916 | 0.330 | 1500.4 | 317. | 97.55 | 1.004 |
| 340. | 11.229 | 35.556 | | 11.186 | 27.17 | 31.601 | 35.929 | 0.350 | 1500.4 | 337. | 97.14 | 1.253 |
| 360. | 11.168 | 35.551 | | 11.123 | 27.18 | 31.610 | 35.939 | 0.369 | 1500.6 | 357. | 96.89 | 1.137 |
| 380. | 11.144 | 35.550 | | 11.096 | 27.19 | 31.615 | 35.944 | 0.388 | 1500.8 | 377. | 96.99 | 0.835 |
| 400. | 11.068 | 35.547 | | 11.018 | 27.20 | 31.628 | 35.959 | 0.408 | 1500.9 | 396. | 96.34 | 1.398 |
| 450. | 10.947 | 35.537 | | 10.891 | 27.21 | 31.647 | 35.981 | 0.456 | 1501.3 | 446. | 96.01 | 1.038 |
| 500. | 10.810 | 35.533 | | 10.748 | 27.24 | 31.672 | 36.009 | 0.504 | 1501.6 | 495. | 95.01 | 1.233 |
| 550. | 10.683 | 35.543 | | 10.614 | 27.27 | 31.707 | 36.046 | 0.551 | 1502.0 | 545. | 93.12 | 1.451 |
| 600. | 10.564 | 35.553 | | 10.490 | 27.30 | 31.739 | 36.081 | 0.597 | 1502.4 | 594. | 91.43 | 1.403 |
| 700. | 10.398 | 35.621 | | 10.312 | 27.38 | 31.827 | 36.172 | 0.686 | 1503.6 | 693. | 85.76 | 1.651 |
| 800. | 10.328 | 35.710 | | 10.230 | 27.47 | 31.912 | 36.258 | 0.768 | 1505.1 | 792. | 80.19 | 1.639 |
| 900. | 10.185 | 35.781 | | 10.075 | 27.55 | 31.998 | 36.346 | 0.845 | 1506.3 | 891. | 74.60 | 1.641 |
| 1000. | 9.785 | 35.800 | | 9.665 | 27.63 | 32.091 | 36.448 | 0.916 | 1506.5 | 990. | 68.25 | 1.712 |
| 1100. | 9.046 | 35.731 | | 8.919 | 27.70 | 32.178 | 36.551 | 0.982 | 1505.4 | 1088. | 62.27 | 1.664 |
| 1200. | 8.438 | 35.646 | | 8.304 | 27.74 | 32.223 | 36.610 | 1.042 | 1504.7 | 1187. | 59.94 | 1.223 |
| 1300. | 7.839 | 35.557 | | 7.699 | 27.76 | 32.259 | 36.660 | 1.101 | 1504.0 | 1286. | 58.24 | 1.114 |
| 1400. | 6.778 | 35.396 | | 6.637 | 27.78 | 32.310 | 36.737 | 1.157 | 1501.4 | 1384. | 54.40 | 1.378 |
| 1500. | 5.866 | 35.265 | | 5.725 | 27.80 | 32.348 | 36.798 | 1.210 | 1499.3 | 1483. | 51.42 | 1.240 |
| 1600. | 5.266 | 35.179 | | 5.121 | 27.80 | 32.370 | 36.834 | 1.261 | 1498.5 | 1581. | 50.02 | 0.972 |
| 1700. | 4.750 | 35.112 | | 4.602 | 27.81 | 32.390 | 36.868 | 1.310 | 1498.0 | 1679. | 48.55 | 0.961 |
| 1800. | 4.385 | 35.070 | | 4.231 | 27.82 | 32.408 | 36.895 | 1.358 | 1498.1 | 1778. | 47.42 | 0.880 |
| 1900. | 4.090 | 35.042 | | 3.930 | 27.83 | 32.425 | 36.920 | 1.404 | 1498.5 | 1876. | 46.23 | 0.877 |
| 2000. | 3.890 | 35.026 | | 3.724 | 27.84 | 32.439 | 36.940 | 1.450 | 1499.3 | 1974. | 45.45 | 0.779 |
| 2100. | 3.762 | 35.017 | | 3.588 | 27.84 | 32.449 | 36.954 | 1.496 | 1500.5 | 2073. | 45.16 | 0.658 |
| 2200. | 3.558 | 35.004 | | 3.377 | 27.85 | 32.466 | 36.976 | 1.540 | 1501.3 | 2171. | 43.97 | 0.850 |
| 2300. | 3.448 | 34.996 | | 3.259 | 27.86 | 32.474 | 36.987 | 1.584 | 1502.5 | 2269. | 43.72 | 0.625 |
| 2400. | 3.317 | 34.988 | | 3.121 | 27.86 | 32.485 | 37.001 | 1.628 | 1503.6 | 2367. | 43.18 | 0.696 |
| 2500. | 3.203 | 34.979 | | 2.999 | 27.87 | 32.492 | 37.012 | 1.671 | 1504.8 | 2465. | 42.87 | 0.626 |
| 2600. | 3.108 | 34.972 | | 2.896 | 27.87 | 32.499 | 37.022 | 1.713 | 1506.1 | 2563. | 42.68 | 0.587 |
| 2700. | 2.973 | 34.961 | | 2.754 | 27.88 | 32.507 | 37.034 | 1.756 | 1507.2 | 2661. | 42.15 | 0.674 |
| 2800. | 2.901 | 34.956 | | 2.673 | 27.88 | 32.512 | 37.041 | 1.798 | 1508.6 | 2759. | 42.12 | 0.524 |
| 2900. | 2.833 | 34.950 | | 2.596 | 27.88 | 32.516 | 37.047 | 1.840 | 1510.0 | 2857. | 42.12 | 0.508 |
| 3000. | 2.774 | 34.945 | | 2.527 | 27.88 | 32.520 | 37.053 | 1.882 | 1511.4 | 2955. | 42.18 | 0.481 |


2.
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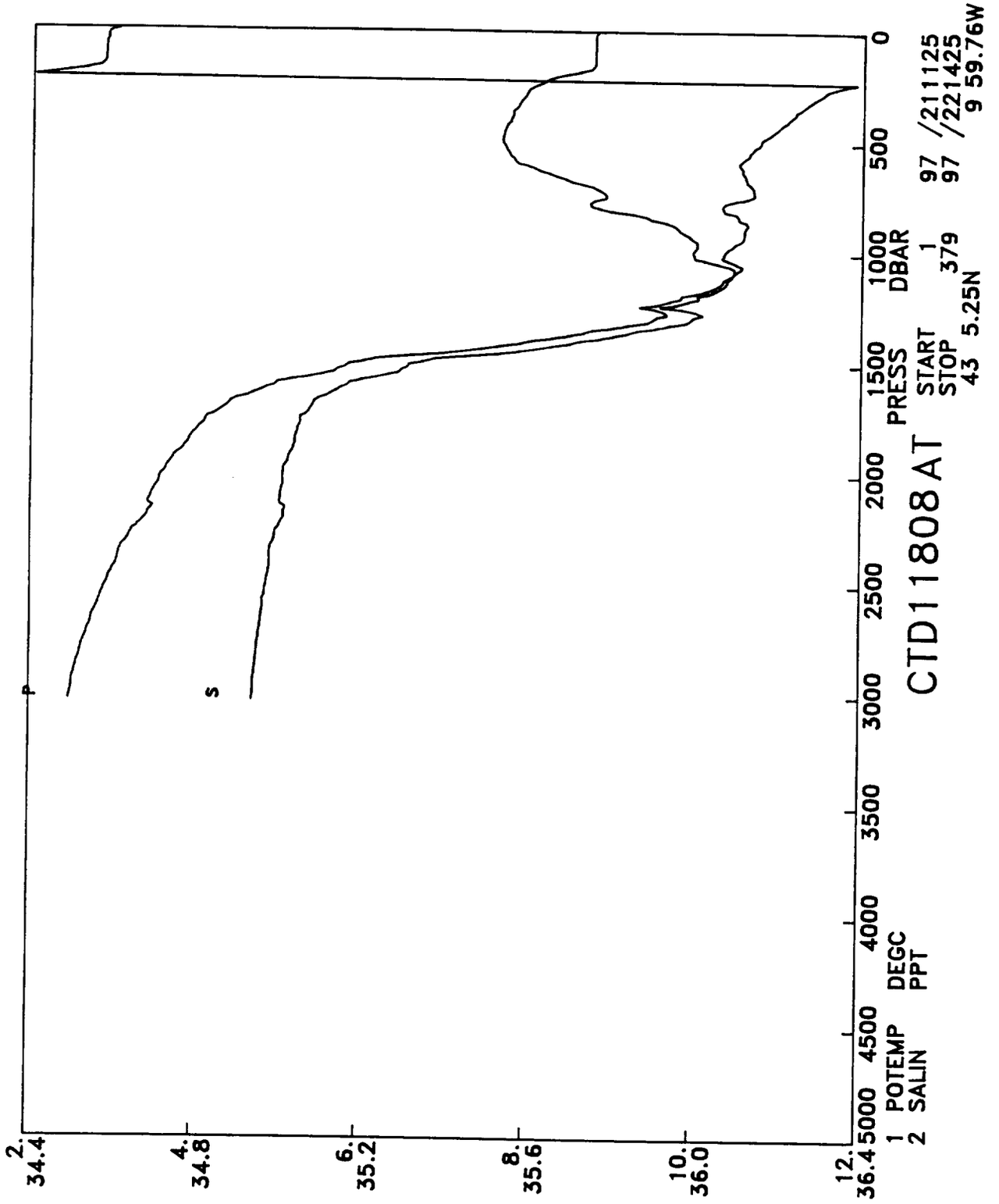
P
S
1 POTEMP DEGC
2 SALIN PPT
PRESS DBAR
CTD11807AT
START 1 97 /105235
STOP 289 97 /114035
44 29.52N 9 0.00W

## DISCOVERY 181 STATION 11807

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20. | 12.558 | 35.716 | | 12.555 | 27.04 | 31.435 | 35.735 | 0.020 | 1499.9 | 20. | 101.77 | -9.999 |
| 30. | 12.554 | 35.716 | | 12.550 | 27.04 | 31.436 | 35.736 | 0.031 | 1500.0 | 30. | 101.97 | 0.565 |
| 40. | 12.553 | 35.716 | | 12.548 | 27.04 | 31.437 | 35.737 | 0.041 | 1500.2 | 40. | 102.24 | 0.251 |
| 50. | 12.554 | 35.716 | | 12.548 | 27.04 | 31.437 | 35.737 | 0.051 | 1500.4 | 50. | 102.51 | 0.269 |
| 60. | 12.556 | 35.716 | | 12.547 | 27.04 | 31.437 | 35.737 | 0.061 | 1500.5 | 60. | 102.81 | -0.183 |
| 70. | 12.557 | 35.716 | | 12.548 | 27.04 | 31.437 | 35.737 | 0.072 | 1500.7 | 69. | 103.10 | -0.155 |
| 80. | 12.559 | 35.716 | | 12.549 | 27.04 | 31.437 | 35.737 | 0.082 | 1500.9 | 79. | 103.39 | 0.119 |
| 100. | 12.561 | 35.716 | | 12.548 | 27.04 | 31.437 | 35.737 | 0.103 | 1501.2 | 99. | 103.97 | -0.067 |
| 120. | 12.559 | 35.715 | | 12.543 | 27.04 | 31.437 | 35.737 | 0.123 | 1501.5 | 119. | 104.52 | 0.217 |
| 140. | 12.563 | 35.715 | | 12.544 | 27.04 | 31.437 | 35.737 | 0.144 | 1501.9 | 139. | 105.14 | -0.246 |
| 160. | 12.569 | 35.716 | | 12.547 | 27.04 | 31.437 | 35.737 | 0.165 | 1502.2 | 159. | 105.71 | 0.033 |
| 180. | 12.569 | 35.715 | | 12.544 | 27.04 | 31.436 | 35.736 | 0.187 | 1502.6 | 178. | 106.32 | -0.221 |
| 200. | 12.546 | 35.711 | | 12.519 | 27.04 | 31.439 | 35.739 | 0.208 | 1502.8 | 198. | 106.70 | 0.574 |
| 220. | 12.274 | 35.663 | | 12.245 | 27.06 | 31.462 | 35.768 | 0.229 | 1502.2 | 218. | 105.55 | 1.695 |
| 240. | 11.993 | 35.630 | | 11.962 | 27.09 | 31.496 | 35.808 | 0.250 | 1501.5 | 238. | 103.29 | 2.171 |
| 260. | 11.635 | 35.586 | | 11.601 | 27.12 | 31.538 | 35.858 | 0.270 | 1500.6 | 258. | 100.37 | 2.407 |
| 280. | 11.554 | 35.578 | | 11.518 | 27.13 | 31.549 | 35.870 | 0.290 | 1500.6 | 278. | 99.99 | 1.233 |
| 300. | 11.511 | 35.575 | | 11.473 | 27.14 | 31.556 | 35.878 | 0.310 | 1500.8 | 297. | 99.91 | 1.012 |
| 320. | 11.481 | 35.575 | | 11.440 | 27.14 | 31.563 | 35.886 | 0.330 | 1501.0 | 317. | 99.85 | 1.000 |
| 340. | 11.394 | 35.569 | | 11.350 | 27.15 | 31.577 | 35.902 | 0.350 | 1501.0 | 337. | 99.15 | 1.433 |
| 360. | 11.339 | 35.563 | | 11.293 | 27.16 | 31.584 | 35.910 | 0.370 | 1501.2 | 357. | 99.12 | 0.968 |
| 380. | 11.281 | 35.559 | | 11.233 | 27.17 | 31.594 | 35.921 | 0.390 | 1501.3 | 377. | 98.81 | 1.183 |
| 400. | 11.242 | 35.556 | | 11.191 | 27.17 | 31.600 | 35.927 | 0.410 | 1501.5 | 396. | 98.81 | 0.936 |
| 450. | 11.148 | 35.547 | | 11.091 | 27.19 | 31.614 | 35.944 | 0.459 | 1502.0 | 446. | 98.90 | 0.901 |
| 500. | 11.002 | 35.537 | | 10.939 | 27.21 | 31.637 | 35.970 | 0.508 | 1502.3 | 495. | 98.17 | 1.163 |
| 550. | 10.886 | 35.534 | | 10.817 | 27.23 | 31.659 | 35.994 | 0.557 | 1502.7 | 545. | 97.47 | 1.150 |
| 600. | 10.709 | 35.540 | | 10.634 | 27.26 | 31.700 | 36.039 | 0.605 | 1502.9 | 594. | 95.01 | 1.578 |
| 700. | 10.465 | 35.594 | | 10.379 | 27.35 | 31.793 | 36.137 | 0.698 | 1503.8 | 693. | 88.91 | 1.696 |
| 800. | 10.722 | 35.802 | | 10.621 | 27.47 | 31.905 | 36.243 | 0.782 | 1506.6 | 792. | 80.64 | 1.899 |
| 900. | 10.329 | 35.808 | | 10.218 | 27.55 | 31.990 | 36.336 | 0.859 | 1506.8 | 891. | 75.29 | 1.621 |
| 1000. | 10.030 | 35.833 | | 9.908 | 27.62 | 32.070 | 36.422 | 0.932 | 1507.5 | 990. | 70.23 | 1.585 |
| 1100. | 9.734 | 35.833 | | 9.601 | 27.67 | 32.129 | 36.487 | 1.000 | 1508.1 | 1088. | 67.03 | 1.366 |
| 1200. | 9.057 | 35.758 | | 8.917 | 27.73 | 32.199 | 36.572 | 1.065 | 1507.2 | 1187. | 62.48 | 1.513 |
| 1300. | 8.004 | 35.593 | | 7.862 | 27.76 | 32.259 | 36.657 | 1.125 | 1504.7 | 1285. | 58.32 | 1.449 |
| 1400. | 6.917 | 35.421 | | 6.774 | 27.78 | 32.307 | 36.731 | 1.182 | 1502.0 | 1384. | 54.78 | 1.345 |
| 1500. | 5.784 | 35.245 | | 5.643 | 27.79 | 32.345 | 36.796 | 1.235 | 1499.0 | 1483. | 51.62 | 1.265 |
| 1600. | 5.107 | 35.149 | | 4.964 | 27.80 | 32.369 | 36.837 | 1.286 | 1497.8 | 1581. | 49.87 | 1.026 |
| 1700. | 4.573 | 35.071 | | 4.427 | 27.80 | 32.382 | 36.865 | 1.335 | 1497.2 | 1679. | 48.97 | 0.847 |
| 1800. | 4.246 | 35.036 | | 4.094 | 27.80 | 32.399 | 36.890 | 1.384 | 1497.5 | 1778. | 47.95 | 0.851 |
| 1900. | 4.148 | 35.038 | | 3.987 | 27.82 | 32.415 | 36.909 | 1.431 | 1498.7 | 1876. | 47.32 | 0.758 |
| 2000. | 3.961 | 35.028 | | 3.793 | 27.83 | 32.432 | 36.931 | 1.478 | 1499.6 | 1974. | 46.28 | 0.838 |
| 2100. | 3.820 | 35.020 | | 3.645 | 27.84 | 32.444 | 36.947 | 1.524 | 1500.7 | 2073. | 45.76 | 0.717 |
| 2200. | 3.696 | 35.011 | | 3.513 | 27.84 | 32.454 | 36.960 | 1.570 | 1501.9 | 2171. | 45.44 | 0.660 |
| 2300. | 3.551 | 35.002 | | 3.361 | 27.85 | 32.466 | 36.976 | 1.615 | 1502.9 | 2269. | 44.84 | 0.722 |
| 2400. | 3.401 | 34.992 | | 3.203 | 27.86 | 32.478 | 36.992 | 1.659 | 1504.0 | 2367. | 44.09 | 0.748 |
| 2500. | 3.290 | 34.984 | | 3.085 | 27.86 | 32.486 | 37.003 | 1.703 | 1505.2 | 2465. | 43.80 | 0.627 |
| 2600. | 3.157 | 34.975 | | 2.944 | 27.87 | 32.496 | 37.017 | 1.747 | 1506.3 | 2563. | 43.20 | 0.701 |
| 2700. | 3.051 | 34.968 | | 2.830 | 27.87 | 32.503 | 37.027 | 1.790 | 1507.5 | 2661. | 42.85 | 0.628 |
| 2800. | 2.979 | 34.962 | | 2.749 | 27.88 | 32.508 | 37.034 | 1.833 | 1508.9 | 2759. | 42.84 | 0.524 |
| 2900. | 2.899 | 34.955 | | 2.660 | 27.88 | 32.513 | 37.042 | 1.875 | 1510.3 | 2857. | 42.77 | 0.537 |
| 3000. | 2.821 | 34.948 | | 2.574 | 27.88 | 32.518 | 37.049 | 1.918 | 1511.6 | 2955. | 42.65 | 0.545 |


2.
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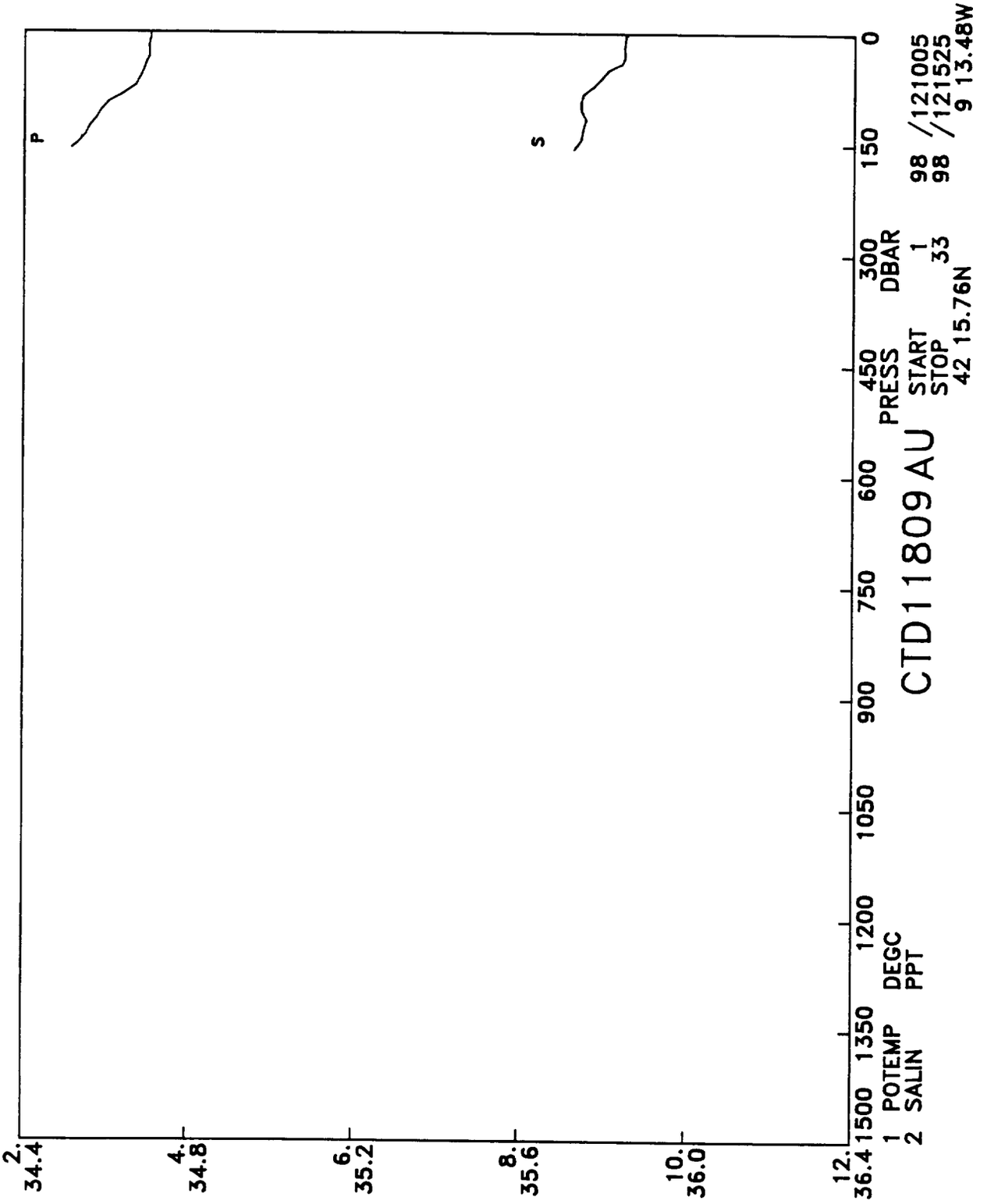
5000 4500 4000 3500 3000 2500 2000 1500 1000 500 0
PRESS DBAR
1 POTEMP DEGC
2 SALIN PPT
P
S
CTD11808AT
START 1 97 /211125
STOP 379 97 /221425
43 5.25N 9 59.76W

# DISCOVERY 181 STATION 11808

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMAQ $KG/M^3$ | SIG1000 $KG/M^3$ | SIG2000 $KG/M^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}M^3/KG$ | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 13.016 | 35.760 | | 13.015 | 26.98 | 31.367 | 35.658 | 0.011 | 1501.3 | 10. | 107.05 | -9.999 |
| 20. | 12.916 | 35.755 | | 12.913 | 27.00 | 31.386 | 35.679 | 0.021 | 1501.1 | 20. | 105.76 | 2.302 |
| 30. | 12.910 | 35.754 | | 12.906 | 27.00 | 31.388 | 35.681 | 0.032 | 1501.3 | 30. | 105.93 | 0.634 |
| 40. | 12.913 | 35.756 | | 12.908 | 27.00 | 31.388 | 35.681 | 0.043 | 1501.5 | 40. | 106.16 | 0.475 |
| 50. | 12.912 | 35.756 | | 12.905 | 27.00 | 31.389 | 35.682 | 0.053 | 1501.6 | 50. | 106.41 | 0.434 |
| 60. | 12.891 | 35.755 | | 12.883 | 27.00 | 31.393 | 35.687 | 0.064 | 1501.7 | 60. | 106.30 | 1.150 |
| 70. | 12.892 | 35.755 | | 12.882 | 27.00 | 31.393 | 35.687 | 0.074 | 1501.9 | 69. | 106.60 | 0.072 |
| 80. | 12.892 | 35.756 | | 12.881 | 27.00 | 31.394 | 35.687 | 0.085 | 1502.0 | 79. | 106.85 | 0.387 |
| 100. | 12.894 | 35.756 | | 12.880 | 27.00 | 31.394 | 35.688 | 0.107 | 1502.4 | 99. | 107.42 | 0.197 |
| 120. | 12.895 | 35.756 | | 12.879 | 27.00 | 31.395 | 35.688 | 0.128 | 1502.7 | 119. | 107.97 | 0.274 |
| 140. | 12.895 | 35.755 | | 12.876 | 27.00 | 31.395 | 35.688 | 0.150 | 1503.0 | 139. | 108.54 | 0.166 |
| 160. | 12.869 | 35.750 | | 12.847 | 27.01 | 31.397 | 35.691 | 0.171 | 1503.3 | 159. | 108.96 | 0.541 |
| 180. | 12.664 | 35.717 | | 12.639 | 27.02 | 31.418 | 35.716 | 0.193 | 1502.9 | 178. | 107.95 | 1.630 |
| 200. | 12.326 | 35.669 | | 12.299 | 27.05 | 31.454 | 35.759 | 0.215 | 1502.0 | 198. | 105.61 | 2.205 |
| 220. | 11.987 | 35.638 | | 11.958 | 27.09 | 31.504 | 35.815 | 0.235 | 1501.2 | 218. | 102.01 | 2.635 |
| 240. | 11.759 | 35.617 | | 11.728 | 27.12 | 31.535 | 35.852 | 0.256 | 1500.7 | 238. | 99.90 | 2.110 |
| 260. | 11.591 | 35.596 | | 11.558 | 27.14 | 31.555 | 35.876 | 0.275 | 1500.4 | 258. | 98.80 | 1.656 |
| 280. | 11.543 | 35.591 | | 11.507 | 27.14 | 31.562 | 35.883 | 0.295 | 1500.6 | 278. | 98.78 | 0.966 |
| 300. | 11.437 | 35.583 | | 11.399 | 27.16 | 31.578 | 35.901 | 0.315 | 1500.5 | 297. | 97.99 | 1.484 |
| 320. | 11.366 | 35.575 | | 11.325 | 27.16 | 31.587 | 35.912 | 0.334 | 1500.6 | 317. | 97.73 | 1.154 |
| 340. | 11.301 | 35.568 | | 11.257 | 27.17 | 31.596 | 35.922 | 0.354 | 1500.7 | 337. | 97.52 | 1.108 |
| 360. | 11.224 | 35.557 | | 11.179 | 27.18 | 31.603 | 35.931 | 0.373 | 1500.8 | 357. | 97.44 | 1.007 |
| 380. | 11.188 | 35.559 | | 11.140 | 27.19 | 31.613 | 35.942 | 0.393 | 1501.0 | 377. | 97.10 | 1.201 |
| 400. | 11.134 | 35.553 | | 11.084 | 27.19 | 31.620 | 35.950 | 0.412 | 1501.1 | 396. | 97.05 | 0.976 |
| 450. | 10.970 | 35.539 | | 10.914 | 27.21 | 31.643 | 35.977 | 0.461 | 1501.3 | 446. | 96.31 | 1.166 |
| 500. | 10.834 | 35.538 | | 10.772 | 27.24 | 31.671 | 36.007 | 0.509 | 1501.7 | 495. | 95.12 | 1.283 |
| 550. | 10.698 | 35.552 | | 10.630 | 27.27 | 31.711 | 36.050 | 0.555 | 1502.1 | 545. | 92.75 | 1.560 |
| 600. | 10.594 | 35.587 | | 10.520 | 27.32 | 31.760 | 36.101 | 0.601 | 1502.6 | 594. | 89.48 | 1.739 |
| 700. | 10.774 | 35.756 | | 10.686 | 27.42 | 31.857 | 36.193 | 0.687 | 1505.0 | 693. | 82.64 | 1.770 |
| 800. | 10.457 | 35.783 | | 10.358 | 27.50 | 31.943 | 36.286 | 0.768 | 1505.6 | 792. | 77.20 | 1.632 |
| 900. | 10.693 | 35.969 | | 10.579 | 27.61 | 32.043 | 36.380 | 0.841 | 1508.3 | 891. | 70.24 | 1.782 |
| 1000. | 10.469 | 35.996 | | 10.344 | 27.67 | 32.111 | 36.453 | 0.909 | 1509.2 | 990. | 66.35 | 1.466 |
| 1100. | 10.566 | 36.087 | | 10.426 | 27.73 | 32.165 | 36.504 | 0.974 | 1511.3 | 1088. | 63.80 | 1.302 |
| 1200. | 10.002 | 36.015 | | 9.854 | 27.77 | 32.222 | 36.573 | 1.037 | 1510.9 | 1187. | 60.74 | 1.362 |
| 1300. | 9.640 | 35.988 | | 9.482 | 27.81 | 32.272 | 36.632 | 1.096 | 1511.2 | 1286. | 58.18 | 1.284 |
| 1400. | 8.134 | 35.712 | | 7.979 | 27.84 | 32.331 | 36.725 | 1.152 | 1507.0 | 1384. | 53.63 | 1.503 |
| 1500. | 6.037 | 35.323 | | 5.893 | 27.82 | 32.369 | 36.814 | 1.203 | 1500.1 | 1483. | 49.72 | 1.382 |
| 1600. | 5.103 | 35.165 | | 4.960 | 27.81 | 32.382 | 36.851 | 1.252 | 1497.8 | 1581. | 48.62 | 0.919 |
| 1700. | 4.496 | 35.079 | | 4.351 | 27.81 | 32.399 | 36.883 | 1.300 | 1496.9 | 1680. | 47.35 | 0.917 |
| 1800. | 4.171 | 35.047 | | 4.020 | 27.82 | 32.417 | 36.910 | 1.347 | 1497.2 | 1778. | 46.09 | 0.894 |
| 1900. | 3.971 | 35.033 | | 3.814 | 27.83 | 32.433 | 36.931 | 1.392 | 1498.0 | 1876. | 45.23 | 0.802 |
| 2000. | 3.770 | 35.012 | | 3.606 | 27.84 | 32.443 | 36.947 | 1.437 | 1498.8 | 1975. | 44.79 | 0.697 |
| 2100. | 3.638 | 35.007 | | 3.466 | 27.85 | 32.457 | 36.964 | 1.482 | 1499.9 | 2073. | 44.13 | 0.739 |
| 2200. | 3.571 | 35.014 | | 3.390 | 27.86 | 32.472 | 36.981 | 1.526 | 1501.3 | 2171. | 43.43 | 0.743 |
| 2300. | 3.371 | 34.992 | | 3.184 | 27.86 | 32.480 | 36.995 | 1.569 | 1502.2 | 2269. | 42.97 | 0.680 |
| 2400. | 3.243 | 34.981 | | 3.048 | 27.87 | 32.488 | 37.006 | 1.611 | 1503.3 | 2367. | 42.65 | 0.633 |
| 2500. | 3.135 | 34.975 | | 2.932 | 27.87 | 32.497 | 37.018 | 1.654 | 1504.5 | 2465. | 42.24 | 0.649 |
| 2600. | 3.030 | 34.966 | | 2.819 | 27.87 | 32.503 | 37.028 | 1.696 | 1505.7 | 2563. | 42.01 | 0.595 |
| 2700. | 2.929 | 34.959 | | 2.710 | 27.88 | 32.510 | 37.038 | 1.738 | 1507.0 | 2661. | 41.70 | 0.609 |
| 2800. | 2.849 | 34.952 | | 2.622 | 27.88 | 32.515 | 37.045 | 1.779 | 1508.4 | 2759. | 41.60 | 0.544 |
| 2900. | 2.785 | 34.947 | | 2.549 | 27.88 | 32.520 | 37.052 | 1.821 | 1509.8 | 2857. | 41.59 | 0.506 |
| 3000. | 2.744 | 34.943 | | 2.498 | 27.88 | 32.522 | 37.056 | 1.863 | 1511.3 | 2955. | 41.85 | 0.403 |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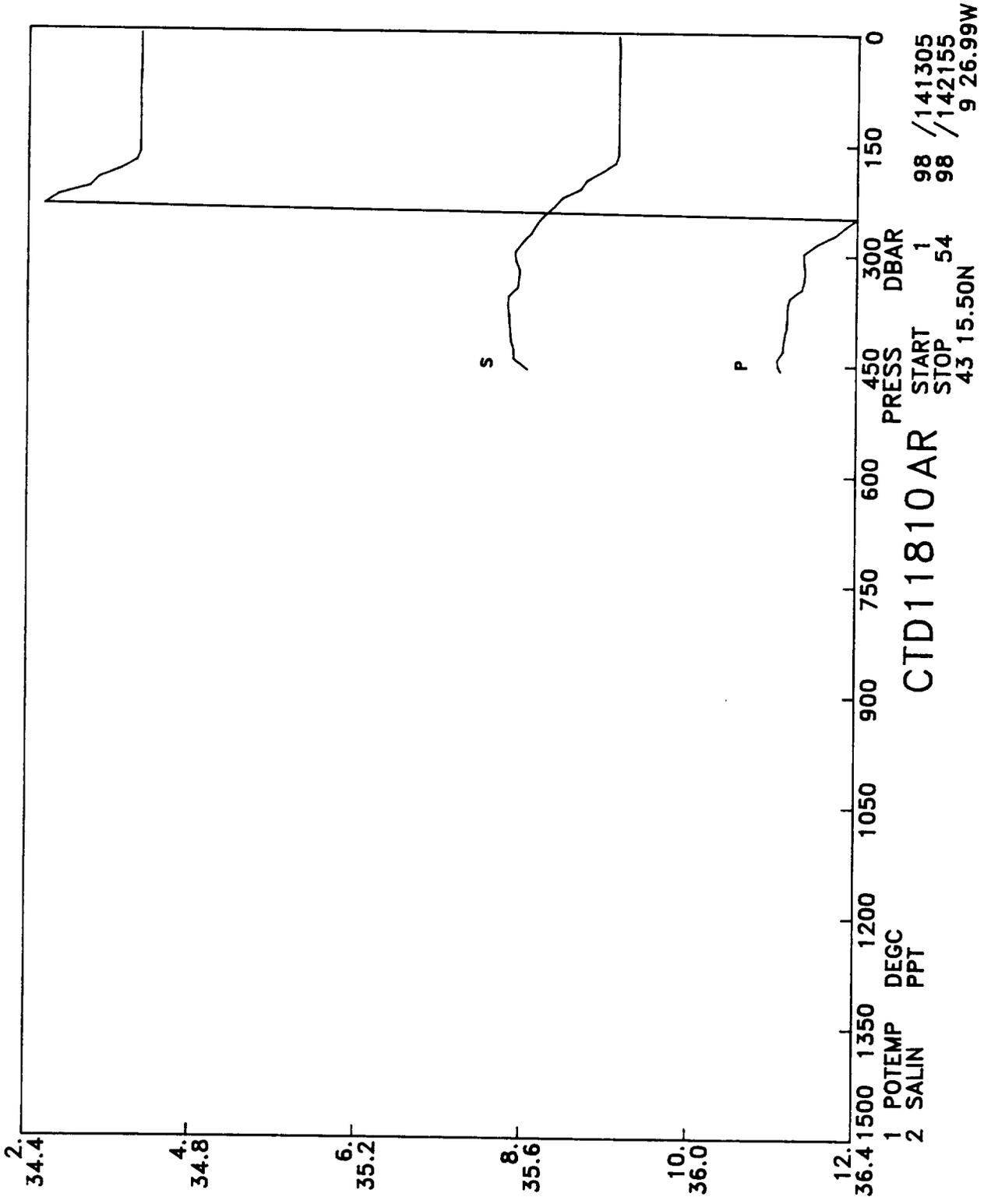
1500 1350 1200 1050 900 750 600 450 300 150 0
PRESS DBAR
1 POTEMP DEGC
2 SALIN PPT
CTD11809AU
START 98 /121005
STOP 98 /121525
42 15.76N 9 13.48W
1 33

## DISCOVERY 181 STATION 11809

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 $KG/M^3$ | SIG1000 $KG/M^3$ | SIG2000 $KG/M^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}M^3/KG$ | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 13.522 | 35.849 | | 13.521 | 26.95 | 31.323 | 35.604 | 0.011 | 1503.1 | 10. | 110.29 | -9.999 |
| 20. | 13.509 | 35.847 | | 13.506 | 26.95 | 31.325 | 35.606 | 0.022 | 1503.2 | 20. | 110.47 | 0.670 |
| 30. | 13.524 | 35.850 | | 13.520 | 26.95 | 31.324 | 35.605 | 0.033 | 1503.4 | 30. | 110.84 | -0.468 |
| 40. | 13.481 | 35.842 | | 13.475 | 26.95 | 31.327 | 35.609 | 0.044 | 1503.4 | 40. | 110.88 | 0.939 |
| 50. | 13.458 | 35.802 | | 13.451 | 26.92 | 31.302 | 35.585 | 0.055 | 1503.5 | 50. | 113.64 | -2.858 |
| 60. | 13.416 | 35.795 | | 13.407 | 26.93 | 31.307 | 35.590 | 0.067 | 1503.5 | 60. | 113.57 | 1.121 |
| 70. | 13.377 | 35.781 | | 13.367 | 26.92 | 31.305 | 35.589 | 0.078 | 1503.5 | 69. | 114.16 | -0.964 |
| 80. | 13.245 | 35.752 | | 13.233 | 26.93 | 31.313 | 35.600 | 0.090 | 1503.2 | 79. | 113.91 | 1.358 |
| 100. | 12.970 | 35.746 | | 12.956 | 26.98 | 31.370 | 35.662 | 0.112 | 1502.6 | 99. | 109.61 | 2.858 |
| 120. | 12.869 | 35.756 | | 12.853 | 27.01 | 31.401 | 35.695 | 0.134 | 1502.6 | 119. | 107.44 | 2.145 |
| 140. | 12.756 | 35.747 | | 12.737 | 27.03 | 31.419 | 35.715 | 0.155 | 1502.6 | 139. | 106.49 | 1.601 |
| 160. | 12.590 | 35.727 | | 12.569 | 27.04 | 31.440 | 35.740 | 0.176 | 1502.3 | 159. | 105.31 | 1.715 |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1500
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1200
1050
900
750
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300
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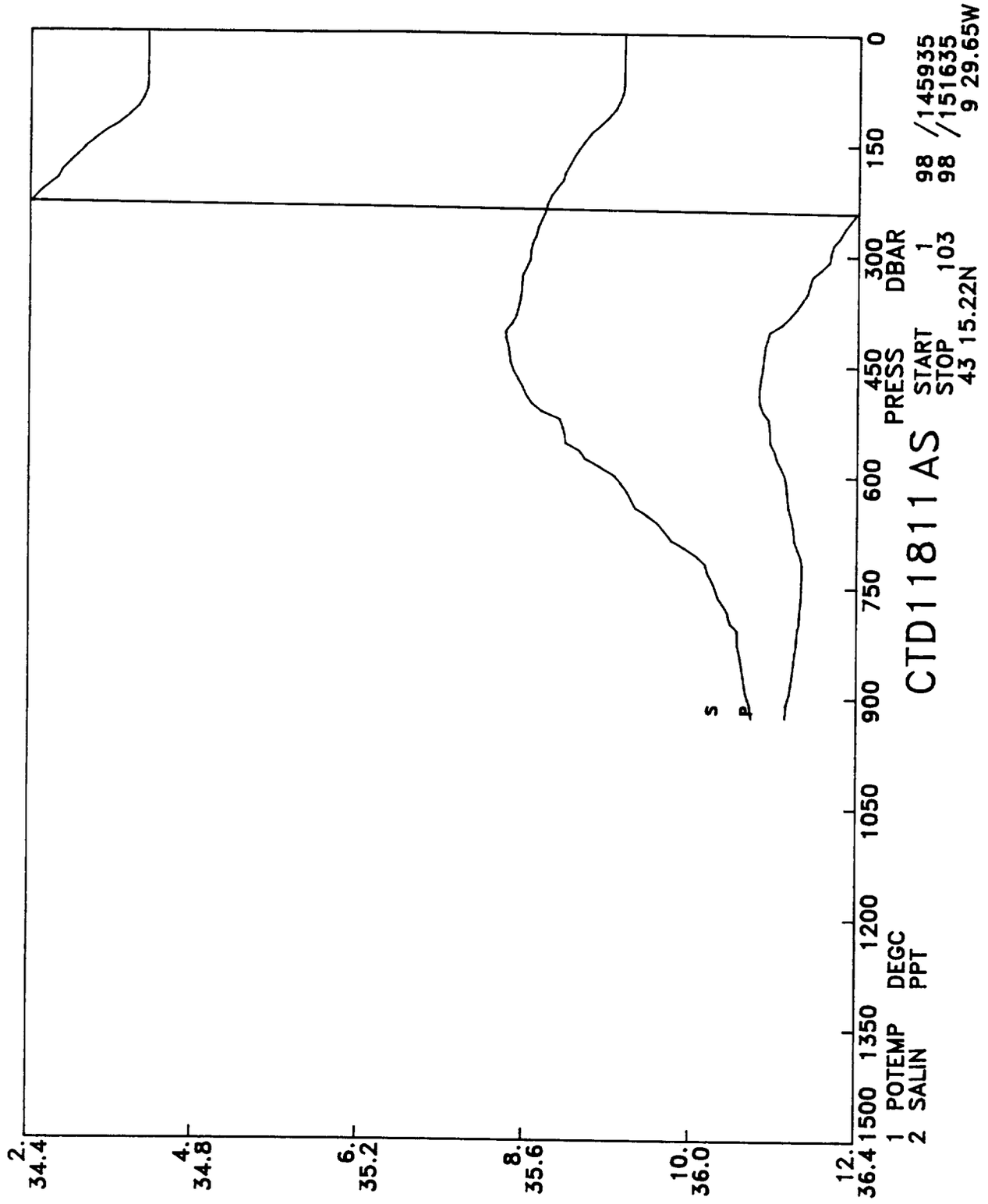
PRESS
DBAR
1 POTEMP DEGC
2 SALIN PPT
S
P
CTD11810AR
START 98 /141305
STOP 98 /142155
43 15.50N 9 26.99W

## DISCOVERY 181 STATION 11810

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMAQ KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 13.375 | 35.826 | | 13.373 | 26.96 | 31.338 | 35.622 | 0.011 | 1502.6 | 10. | 109.15 | -9.999 |
| 20. | 13.377 | 35.826 | | 13.374 | 26.96 | 31.338 | 35.622 | 0.022 | 1502.7 | 20. | 109.43 | 0.259 |
| 30. | 13.379 | 35.826 | | 13.375 | 26.96 | 31.338 | 35.622 | 0.033 | 1502.9 | 30. | 109.74 | -0.099 |
| 40. | 13.377 | 35.826 | | 13.372 | 26.96 | 31.339 | 35.622 | 0.044 | 1503.1 | 40. | 110.01 | 0.334 |
| 50. | 13.373 | 35.825 | | 13.366 | 26.96 | 31.339 | 35.623 | 0.055 | 1503.2 | 50. | 110.24 | 0.526 |
| 60. | 13.377 | 35.825 | | 13.369 | 26.96 | 31.338 | 35.622 | 0.066 | 1503.4 | 60. | 110.63 | -0.556 |
| 70. | 13.371 | 35.825 | | 13.361 | 26.96 | 31.340 | 35.624 | 0.077 | 1503.5 | 69. | 110.81 | 0.653 |
| 80. | 13.371 | 35.825 | | 13.359 | 26.96 | 31.341 | 35.625 | 0.088 | 1503.7 | 79. | 111.07 | 0.412 |
| 100. | 13.379 | 35.825 | | 13.365 | 26.96 | 31.340 | 35.624 | 0.110 | 1504.1 | 99. | 111.75 | -0.356 |
| 120. | 13.386 | 35.825 | | 13.369 | 26.96 | 31.339 | 35.622 | 0.133 | 1504.4 | 119. | 112.46 | -0.403 |
| 140. | 13.388 | 35.826 | | 13.368 | 26.96 | 31.339 | 35.623 | 0.155 | 1504.8 | 139. | 112.99 | 0.364 |
| 160. | 13.387 | 35.825 | | 13.364 | 26.96 | 31.340 | 35.624 | 0.178 | 1505.1 | 159. | 113.58 | 0.168 |
| 180. | 13.324 | 35.815 | | 13.299 | 26.96 | 31.347 | 35.632 | 0.201 | 1505.2 | 178. | 113.63 | 0.961 |
| 200. | 12.862 | 35.746 | | 12.834 | 27.01 | 31.397 | 35.691 | 0.223 | 1503.9 | 198. | 110.18 | 2.602 |
| 220. | 12.513 | 35.704 | | 12.484 | 27.04 | 31.442 | 35.743 | 0.245 | 1503.0 | 218. | 107.08 | 2.479 |
| 240. | 12.179 | 35.666 | | 12.147 | 27.08 | 31.485 | 35.793 | 0.266 | 1502.2 | 238. | 104.08 | 2.439 |
| 260. | 11.897 | 35.630 | | 11.863 | 27.11 | 31.518 | 35.831 | 0.287 | 1501.5 | 258. | 101.94 | 2.121 |
| 280. | 11.593 | 35.601 | | 11.557 | 27.14 | 31.559 | 35.879 | 0.307 | 1500.8 | 278. | 98.97 | 2.425 |
| 300. | 11.386 | 35.578 | | 11.348 | 27.16 | 31.585 | 35.909 | 0.326 | 1500.4 | 297. | 97.38 | 1.880 |
| 320. | 11.420 | 35.591 | | 11.379 | 27.17 | 31.589 | 35.912 | 0.346 | 1500.8 | 317. | 97.51 | 0.824 |
| 340. | 11.419 | 35.591 | | 11.376 | 27.17 | 31.589 | 35.913 | 0.366 | 1501.1 | 337. | 97.99 | 0.296 |
| 360. | 11.223 | 35.561 | | 11.177 | 27.18 | 31.607 | 35.934 | 0.385 | 1500.8 | 357. | 97.15 | 1.513 |
| 380. | 11.211 | 35.565 | | 11.163 | 27.19 | 31.613 | 35.941 | 0.404 | 1501.1 | 377. | 97.11 | 0.964 |
| 400. | 11.204 | 35.567 | | 11.154 | 27.19 | 31.617 | 35.945 | 0.424 | 1501.4 | 396. | 97.27 | 0.778 |
| 450. | 11.119 | 35.594 | | 11.062 | 27.23 | 31.656 | 35.986 | 0.472 | 1501.9 | 446. | 94.95 | 1.557 |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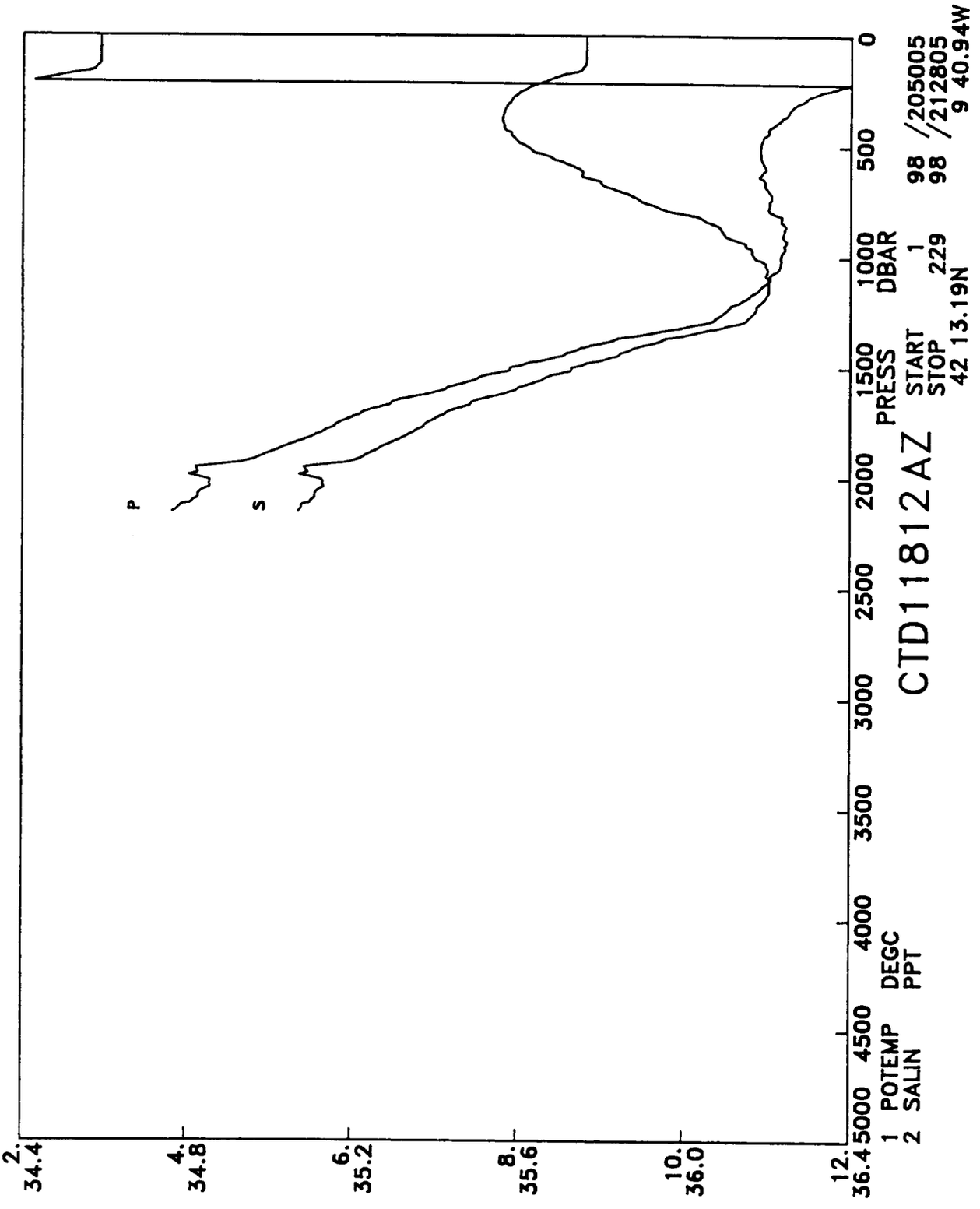
1500 1350 1200 1050 900 750 600 450 300 150 0
1 POTEMP DEGC
2 SALIN PPT
S
P
CTD111811AS
PRESS DBAR
START 1 98 /145935
STOP 103 98 /151635
43 15.22N 9 29.65W

# DISCOVERY 181 STATION 11811

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 13.426 | 35.833 | | 13.425 | 26.95 | 31.332 | 35.615 | 0.011 | 1502.7 | 10. | 109.58 | -9.999 |
| 20. | 13.428 | 35.833 | | 13.426 | 26.95 | 31.332 | 35.615 | 0.022 | 1502.9 | 20. | 109.93 | -0.387 |
| 30. | 13.430 | 35.833 | | 13.426 | 26.95 | 31.332 | 35.615 | 0.033 | 1503.1 | 30. | 110.22 | 0.250 |
| 40. | 13.429 | 35.833 | | 13.423 | 26.95 | 31.332 | 35.615 | 0.044 | 1503.2 | 40. | 110.52 | 0.139 |
| 50. | 13.431 | 35.833 | | 13.424 | 26.95 | 31.332 | 35.615 | 0.055 | 1503.4 | 50. | 110.81 | 0.208 |
| 60. | 13.435 | 35.832 | | 13.426 | 26.95 | 31.331 | 35.614 | 0.066 | 1503.6 | 60. | 111.22 | -0.573 |
| 70. | 13.431 | 35.832 | | 13.421 | 26.95 | 31.332 | 35.615 | 0.077 | 1503.7 | 69. | 111.45 | 0.503 |
| 80. | 13.419 | 35.830 | | 13.408 | 26.95 | 31.334 | 35.617 | 0.088 | 1503.9 | 79. | 111.64 | 0.610 |
| 100. | 13.335 | 35.815 | | 13.321 | 26.96 | 31.341 | 35.626 | 0.111 | 1503.9 | 99. | 111.66 | 0.992 |
| 120. | 13.133 | 35.780 | | 13.116 | 26.97 | 31.361 | 35.650 | 0.133 | 1503.5 | 119. | 110.78 | 1.574 |
| 140. | 12.864 | 35.746 | | 12.844 | 27.00 | 31.395 | 35.689 | 0.155 | 1502.9 | 139. | 108.63 | 2.140 |
| 160. | 12.649 | 35.718 | | 12.627 | 27.02 | 31.421 | 35.719 | 0.177 | 1502.5 | 159. | 107.09 | 1.884 |
| 180. | 12.490 | 35.701 | | 12.466 | 27.04 | 31.443 | 35.745 | 0.198 | 1502.3 | 178. | 105.82 | 1.759 |
| 200. | 12.366 | 35.687 | | 12.339 | 27.06 | 31.459 | 35.763 | 0.219 | 1502.2 | 198. | 105.06 | 1.489 |
| 220. | 12.128 | 35.659 | | 12.099 | 27.08 | 31.489 | 35.798 | 0.240 | 1501.7 | 218. | 103.16 | 2.029 |
| 240. | 12.019 | 35.646 | | 11.987 | 27.09 | 31.504 | 35.815 | 0.260 | 1501.6 | 238. | 102.53 | 1.410 |
| 260. | 11.877 | 35.630 | | 11.843 | 27.11 | 31.521 | 35.835 | 0.281 | 1501.4 | 258. | 101.61 | 1.565 |
| 280. | 11.764 | 35.619 | | 11.728 | 27.12 | 31.538 | 35.854 | 0.301 | 1501.4 | 278. | 100.79 | 1.516 |
| 300. | 11.693 | 35.610 | | 11.654 | 27.13 | 31.546 | 35.864 | 0.321 | 1501.5 | 297. | 100.67 | 1.049 |
| 320. | 11.555 | 35.597 | | 11.514 | 27.15 | 31.565 | 35.886 | 0.341 | 1501.3 | 317. | 99.56 | 1.660 |
| 340. | 11.450 | 35.590 | | 11.407 | 27.16 | 31.582 | 35.905 | 0.361 | 1501.2 | 337. | 98.65 | 1.551 |
| 360. | 11.369 | 35.586 | | 11.323 | 27.17 | 31.596 | 35.921 | 0.381 | 1501.3 | 357. | 97.92 | 1.457 |
| 380. | 11.236 | 35.579 | | 11.188 | 27.19 | 31.618 | 35.946 | 0.400 | 1501.2 | 377. | 96.55 | 1.777 |
| 400. | 10.986 | 35.552 | | 10.936 | 27.22 | 31.649 | 35.981 | 0.419 | 1500.6 | 396. | 94.50 | 2.074 |
| 450. | 10.907 | 35.568 | | 10.850 | 27.25 | 31.679 | 36.013 | 0.466 | 1501.1 | 446. | 93.05 | 1.352 |
| 500. | 10.886 | 35.613 | | 10.823 | 27.29 | 31.719 | 36.054 | 0.512 | 1502.0 | 495. | 90.52 | 1.597 |
| 550. | 11.017 | 35.695 | | 10.948 | 27.33 | 31.757 | 36.089 | 0.556 | 1503.3 | 545. | 88.07 | 1.580 |
| 600. | 11.211 | 35.820 | | 11.134 | 27.39 | 31.816 | 36.143 | 0.599 | 1505.0 | 594. | 83.65 | 1.958 |
| 700. | 11.378 | 35.992 | | 11.287 | 27.50 | 31.916 | 36.239 | 0.680 | 1507.4 | 693. | 76.67 | 1.797 |
| 800. | 11.408 | 36.094 | | 11.303 | 27.57 | 31.992 | 36.314 | 0.754 | 1509.3 | 792. | 72.18 | 1.550 |
| 900. | 11.286 | 36.137 | | 11.168 | 27.63 | 32.053 | 36.377 | 0.824 | 1510.6 | 891. | 69.15 | 1.383 |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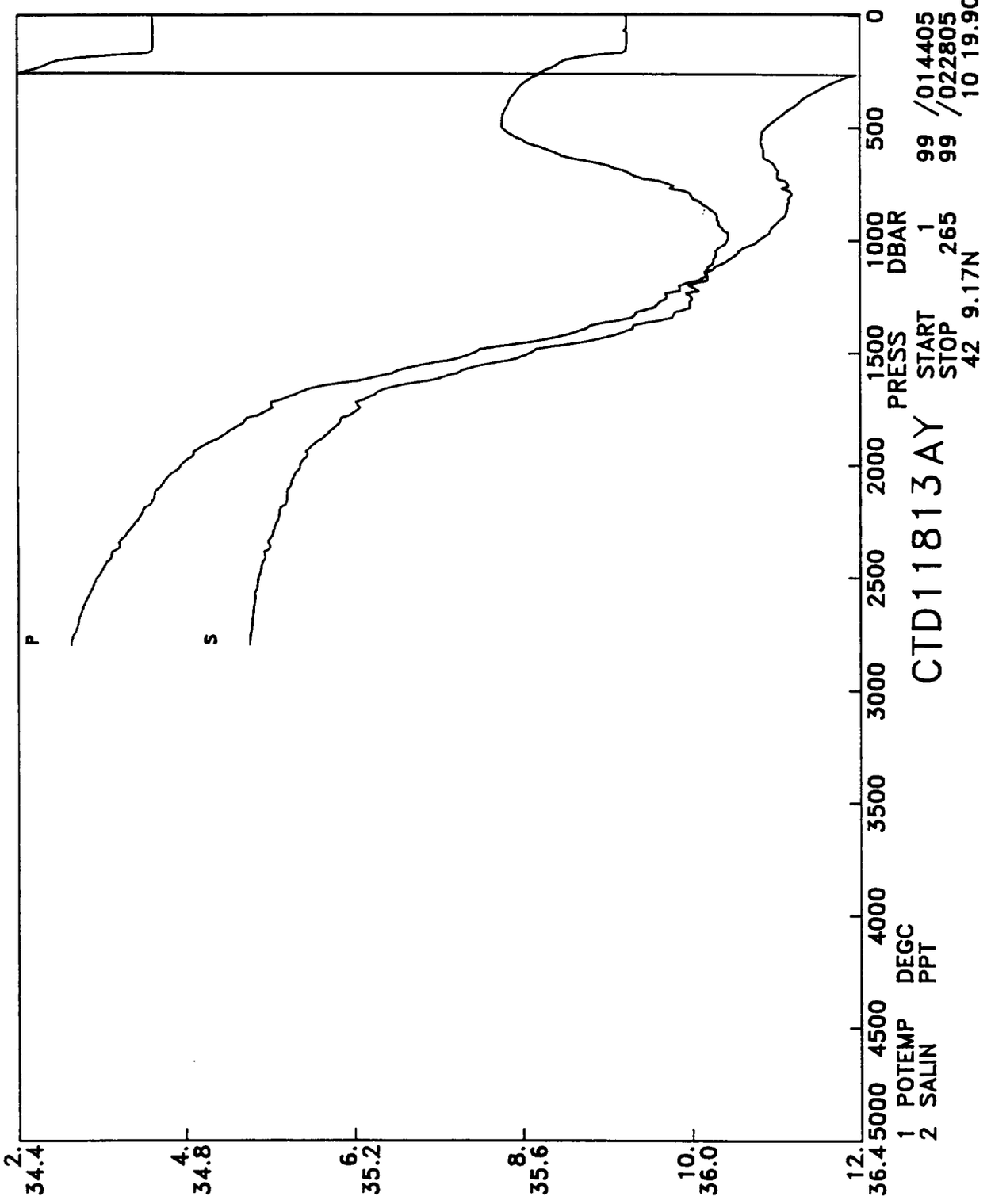
5000 4500 4000 3500 3000 2500 2000 1500 1000 500 0
PRESS DBAR
1 POTEMP DEGC
2 SALIN PPT
P
S
CTD111812AZ
START 1 98 /205005
STOP 229 98 /212805
42 13.19N 9 40.94W

# DISCOVERY 181 STATION 11812

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 12.945 | 35.764 | | 12.944 | 27.00 | 31.387 | 35.679 | 0.011 | 1501.1 | 10. | 105.35 | -9.999 |
| 20. | 12.946 | 35.764 | | 12.943 | 27.00 | 31.387 | 35.679 | 0.021 | 1501.2 | 20. | 105.63 | 0.250 |
| 30. | 12.955 | 35.765 | | 12.951 | 27.00 | 31.385 | 35.677 | 0.032 | 1501.4 | 30. | 106.06 | -0.649 |
| 40. | 12.956 | 35.765 | | 12.950 | 27.00 | 31.386 | 35.678 | 0.042 | 1501.6 | 40. | 106.30 | 0.440 |
| 50. | 12.957 | 35.765 | | 12.950 | 27.00 | 31.386 | 35.678 | 0.053 | 1501.8 | 50. | 106.62 | -0.278 |
| 60. | 12.960 | 35.764 | | 12.952 | 27.00 | 31.385 | 35.677 | 0.064 | 1501.9 | 60. | 106.97 | -0.423 |
| 70. | 12.960 | 35.764 | | 12.951 | 27.00 | 31.385 | 35.677 | 0.074 | 1502.1 | 69. | 107.27 | -0.137 |
| 80. | 12.961 | 35.764 | | 12.950 | 27.00 | 31.385 | 35.677 | 0.085 | 1502.3 | 79. | 107.57 | 0.000 |
| 100. | 12.965 | 35.764 | | 12.951 | 27.00 | 31.385 | 35.677 | 0.107 | 1502.6 | 99. | 108.14 | 0.170 |
| 120. | 12.959 | 35.763 | | 12.942 | 27.00 | 31.386 | 35.679 | 0.128 | 1502.9 | 119. | 108.65 | 0.378 |
| 140. | 12.918 | 35.756 | | 12.899 | 27.00 | 31.391 | 35.684 | 0.150 | 1503.1 | 139. | 108.92 | 0.734 |
| 160. | 12.858 | 35.746 | | 12.836 | 27.00 | 31.396 | 35.691 | 0.172 | 1503.2 | 159. | 109.08 | 0.852 |
| 180. | 12.536 | 35.700 | | 12.511 | 27.03 | 31.432 | 35.733 | 0.193 | 1502.4 | 179. | 106.76 | 2.202 |
| 200. | 12.295 | 35.671 | | 12.269 | 27.06 | 31.462 | 35.768 | 0.215 | 1501.9 | 198. | 104.88 | 2.022 |
| 220. | 12.001 | 35.639 | | 11.972 | 27.09 | 31.501 | 35.813 | 0.235 | 1501.2 | 218. | 102.22 | 2.319 |
| 240. | 11.818 | 35.619 | | 11.787 | 27.11 | 31.525 | 35.840 | 0.255 | 1500.9 | 238. | 100.82 | 1.806 |
| 260. | 11.613 | 35.597 | | 11.579 | 27.13 | 31.551 | 35.871 | 0.275 | 1500.5 | 258. | 99.16 | 1.916 |
| 280. | 11.519 | 35.588 | | 11.483 | 27.14 | 31.565 | 35.886 | 0.295 | 1500.5 | 278. | 98.59 | 1.364 |
| 300. | 11.422 | 35.578 | | 11.383 | 27.16 | 31.578 | 35.901 | 0.315 | 1500.5 | 297. | 98.01 | 1.363 |
| 320. | 11.347 | 35.571 | | 11.306 | 27.16 | 31.588 | 35.913 | 0.334 | 1500.5 | 317. | 97.66 | 1.212 |
| 340. | 11.302 | 35.566 | | 11.259 | 27.17 | 31.594 | 35.920 | 0.354 | 1500.7 | 337. | 97.68 | 0.921 |
| 360. | 11.278 | 35.563 | | 11.233 | 27.17 | 31.597 | 35.924 | 0.374 | 1501.0 | 357. | 97.95 | 0.656 |
| 380. | 11.205 | 35.561 | | 11.157 | 27.18 | 31.611 | 35.939 | 0.393 | 1501.0 | 377. | 97.25 | 1.430 |
| 400. | 11.137 | 35.566 | | 11.087 | 27.20 | 31.629 | 35.959 | 0.412 | 1501.1 | 396. | 96.13 | 1.658 |
| 450. | 11.026 | 35.584 | | 10.970 | 27.24 | 31.667 | 35.999 | 0.460 | 1501.6 | 446. | 93.99 | 1.516 |
| 500. | 10.974 | 35.624 | | 10.911 | 27.28 | 31.709 | 36.042 | 0.506 | 1502.3 | 495. | 91.34 | 1.622 |
| 550. | 10.992 | 35.682 | | 10.923 | 27.32 | 31.752 | 36.084 | 0.551 | 1503.2 | 545. | 88.60 | 1.642 |
| 600. | 11.061 | 35.748 | | 10.985 | 27.36 | 31.790 | 36.121 | 0.595 | 1504.4 | 594. | 86.16 | 1.580 |
| 700. | 11.112 | 35.844 | | 11.022 | 27.43 | 31.857 | 36.186 | 0.679 | 1506.3 | 693. | 82.44 | 1.455 |
| 800. | 11.134 | 35.975 | | 11.031 | 27.53 | 31.957 | 36.285 | 0.758 | 1508.2 | 792. | 75.65 | 1.776 |
| 900. | 11.298 | 36.096 | | 11.180 | 27.60 | 32.019 | 36.344 | 0.832 | 1510.6 | 891. | 72.31 | 1.415 |
| 1000. | 11.294 | 36.172 | | 11.162 | 27.66 | 32.082 | 36.406 | 0.902 | 1512.3 | 990. | 69.11 | 1.403 |
| 1100. | 11.176 | 36.205 | | 11.031 | 27.71 | 32.134 | 36.460 | 0.970 | 1513.6 | 1088. | 66.87 | 1.281 |
| 1200. | 10.843 | 36.187 | | 10.688 | 27.76 | 32.190 | 36.523 | 1.035 | 1514.1 | 1187. | 64.07 | 1.346 |
| 1300. | 10.386 | 36.128 | | 10.221 | 27.80 | 32.238 | 36.581 | 1.098 | 1514.1 | 1286. | 61.87 | 1.260 |
| 1400. | 9.044 | 35.898 | | 8.879 | 27.84 | 32.315 | 36.688 | 1.156 | 1510.6 | 1384. | 55.97 | 1.664 |
| 1500. | 8.070 | 35.728 | | 7.904 | 27.86 | 32.357 | 36.752 | 1.211 | 1508.4 | 1483. | 53.16 | 1.285 |
| 1600. | 7.285 | 35.594 | | 7.115 | 27.87 | 32.386 | 36.801 | 1.263 | 1507.0 | 1581. | 51.30 | 1.124 |
| 1700. | 6.312 | 35.430 | | 6.143 | 27.87 | 32.414 | 36.852 | 1.313 | 1504.6 | 1680. | 48.92 | 1.172 |
| 1800. | 5.785 | 35.341 | | 5.612 | 27.87 | 32.425 | 36.877 | 1.362 | 1504.1 | 1778. | 48.45 | 0.818 |
| 1900. | 5.087 | 35.230 | | 4.914 | 27.87 | 32.440 | 36.909 | 1.409 | 1502.8 | 1877. | 47.07 | 0.964 |
| 2000. | 4.368 | 35.108 | | 4.194 | 27.85 | 32.442 | 36.930 | 1.456 | 1501.4 | 1975. | 46.36 | 0.805 |
| 2100. | 4.256 | 35.101 | | 4.074 | 27.86 | 32.453 | 36.944 | 1.502 | 1502.6 | 2073. | 46.12 | 0.673 |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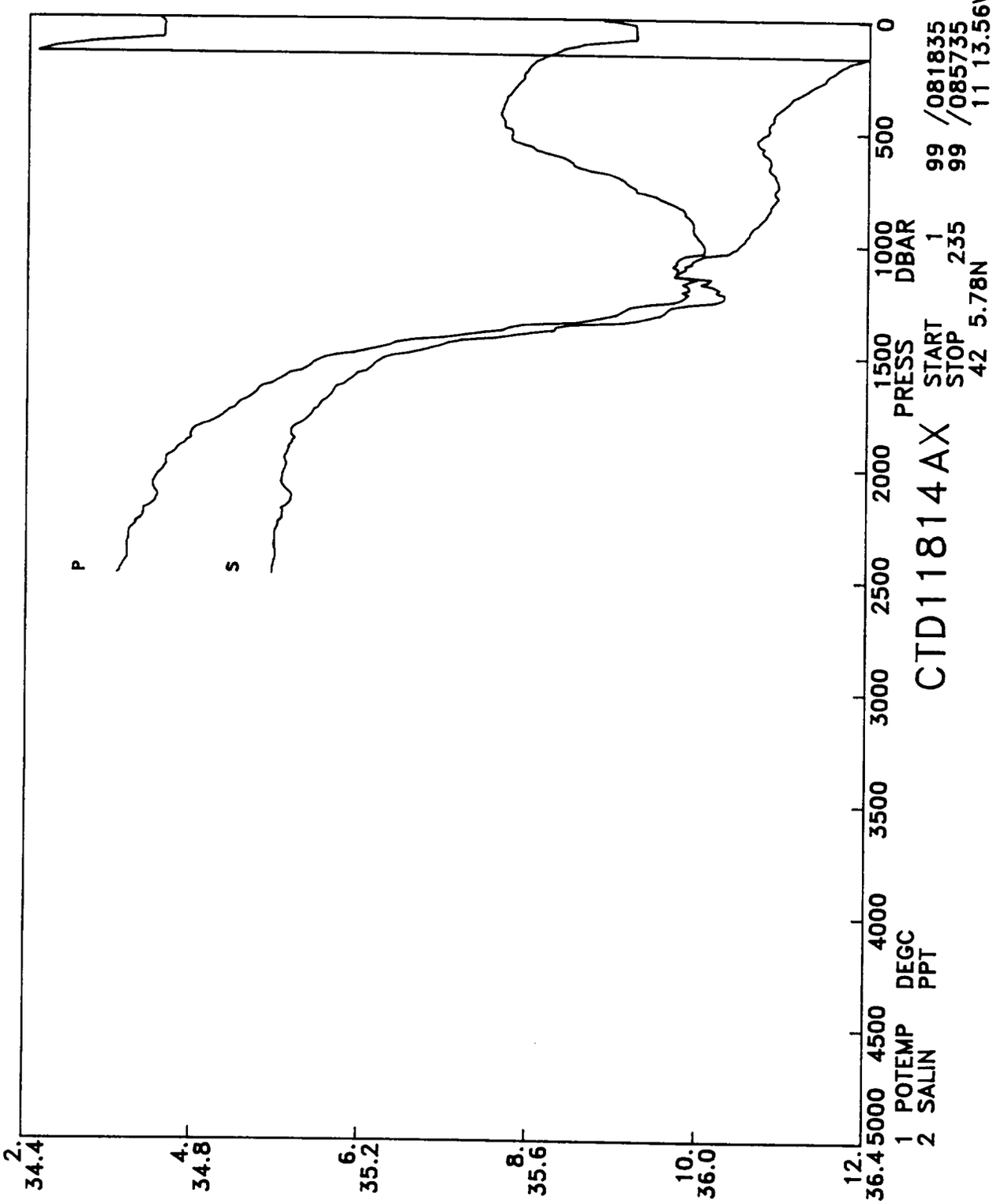
# DISCOVERY 181 STATION 11813

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 13.624 | 35.847 | | 13.623 | 26.92 | 31.298 | 35.577 | 0.011 | 1503.4 | 10. | 112.48 | -9.999 |
| 20. | 13.626 | 35.847 | | 13.623 | 26.92 | 31.298 | 35.577 | 0.022 | 1503.6 | 20. | 112.81 | -0.209 |
| 30. | 13.625 | 35.847 | | 13.620 | 26.92 | 31.298 | 35.577 | 0.034 | 1503.7 | 30. | 113.06 | 0.456 |
| 40. | 13.626 | 35.847 | | 13.620 | 26.92 | 31.299 | 35.578 | 0.045 | 1503.9 | 40. | 113.36 | 0.196 |
| 50. | 13.630 | 35.846 | | 13.623 | 26.92 | 31.297 | 35.576 | 0.056 | 1504.1 | 50. | 113.77 | -0.598 |
| 60. | 13.633 | 35.836 | | 13.624 | 26.91 | 31.289 | 35.568 | 0.068 | 1504.2 | 60. | 114.85 | -1.601 |
| 70. | 13.635 | 35.847 | | 13.625 | 26.92 | 31.298 | 35.577 | 0.079 | 1504.4 | 69. | 114.37 | 1.623 |
| 80. | 13.635 | 35.848 | | 13.624 | 26.92 | 31.298 | 35.577 | 0.091 | 1504.6 | 79. | 114.61 | 0.466 |
| 100. | 13.637 | 35.847 | | 13.623 | 26.92 | 31.298 | 35.577 | 0.114 | 1504.9 | 99. | 115.23 | -0.048 |
| 120. | 13.639 | 35.847 | | 13.622 | 26.92 | 31.298 | 35.577 | 0.137 | 1505.3 | 119. | 115.85 | 0.070 |
| 140. | 13.639 | 35.846 | | 13.619 | 26.92 | 31.298 | 35.577 | 0.160 | 1505.6 | 139. | 116.48 | -0.167 |
| 160. | 13.624 | 35.844 | | 13.601 | 26.92 | 31.301 | 35.580 | 0.183 | 1505.9 | 159. | 116.89 | 0.595 |
| 180. | 12.795 | 35.736 | | 12.770 | 27.01 | 31.403 | 35.699 | 0.206 | 1503.3 | 179. | 109.11 | 3.738 |
| 200. | 12.461 | 35.697 | | 12.434 | 27.05 | 31.447 | 35.749 | 0.228 | 1502.5 | 198. | 106.07 | 2.459 |
| 220. | 12.350 | 35.683 | | 12.320 | 27.06 | 31.460 | 35.765 | 0.249 | 1502.5 | 218. | 105.54 | 1.356 |
| 240. | 12.168 | 35.658 | | 12.136 | 27.07 | 31.480 | 35.789 | 0.270 | 1502.1 | 238. | 104.49 | 1.643 |
| 260. | 12.019 | 35.642 | | 11.984 | 27.09 | 31.501 | 35.812 | 0.291 | 1501.9 | 258. | 103.33 | 1.692 |
| 280. | 11.840 | 35.621 | | 11.804 | 27.11 | 31.523 | 35.838 | 0.311 | 1501.6 | 278. | 102.10 | 1.726 |
| 300. | 11.694 | 35.603 | | 11.655 | 27.12 | 31.540 | 35.858 | 0.332 | 1501.4 | 297. | 101.17 | 1.569 |
| 320. | 11.595 | 35.592 | | 11.554 | 27.13 | 31.553 | 35.873 | 0.352 | 1501.4 | 317. | 100.64 | 1.341 |
| 340. | 11.513 | 35.586 | | 11.470 | 27.15 | 31.566 | 35.887 | 0.372 | 1501.5 | 337. | 100.12 | 1.330 |
| 360. | 11.416 | 35.576 | | 11.370 | 27.16 | 31.579 | 35.902 | 0.392 | 1501.4 | 357. | 99.55 | 1.357 |
| 380. | 11.335 | 35.569 | | 11.286 | 27.17 | 31.590 | 35.916 | 0.412 | 1501.5 | 377. | 99.06 | 1.305 |
| 400. | 11.279 | 35.565 | | 11.228 | 27.17 | 31.600 | 35.926 | 0.432 | 1501.6 | 396. | 98.80 | 1.145 |
| 450. | 11.104 | 35.553 | | 11.047 | 27.20 | 31.627 | 35.958 | 0.481 | 1501.8 | 446. | 97.67 | 1.274 |
| 500. | 10.939 | 35.554 | | 10.876 | 27.23 | 31.662 | 35.996 | 0.529 | 1502.1 | 495. | 95.83 | 1.447 |
| 550. | 10.883 | 35.600 | | 10.814 | 27.28 | 31.711 | 36.046 | 0.576 | 1502.8 | 545. | 92.56 | 1.744 |
| 600. | 10.922 | 35.665 | | 10.847 | 27.32 | 31.754 | 36.088 | 0.622 | 1503.8 | 594. | 89.74 | 1.657 |
| 700. | 11.117 | 35.853 | | 11.028 | 27.44 | 31.863 | 36.192 | 0.708 | 1506.4 | 693. | 81.86 | 1.872 |
| 800. | 11.285 | 36.000 | | 11.180 | 27.52 | 31.945 | 36.270 | 0.786 | 1508.8 | 792. | 76.68 | 1.619 |
| 900. | 11.206 | 36.061 | | 11.089 | 27.59 | 32.011 | 36.337 | 0.861 | 1510.2 | 891. | 73.15 | 1.440 |
| 1000. | 10.925 | 36.086 | | 10.796 | 27.66 | 32.090 | 36.422 | 0.932 | 1510.9 | 990. | 68.34 | 1.578 |
| 1100. | 10.539 | 36.052 | | 10.400 | 27.70 | 32.143 | 36.483 | 0.999 | 1511.2 | 1088. | 65.88 | 1.296 |
| 1200. | 9.995 | 35.992 | | 9.847 | 27.75 | 32.205 | 36.556 | 1.063 | 1510.8 | 1187. | 62.34 | 1.418 |
| 1300. | 9.685 | 35.993 | | 9.527 | 27.81 | 32.267 | 36.626 | 1.123 | 1511.4 | 1286. | 58.65 | 1.427 |
| 1400. | 8.831 | 35.845 | | 8.669 | 27.83 | 32.312 | 36.690 | 1.181 | 1509.8 | 1384. | 56.03 | 1.278 |
| 1500. | 7.591 | 35.621 | | 7.430 | 27.85 | 32.355 | 36.762 | 1.235 | 1506.5 | 1483. | 52.82 | 1.326 |
| 1600. | 6.483 | 35.422 | | 6.324 | 27.84 | 32.379 | 36.813 | 1.287 | 1503.6 | 1581. | 50.83 | 1.121 |
| 1700. | 5.333 | 35.230 | | 5.177 | 27.84 | 32.402 | 36.865 | 1.336 | 1500.5 | 1680. | 48.46 | 1.141 |
| 1800. | 4.861 | 35.166 | | 4.701 | 27.84 | 32.419 | 36.894 | 1.384 | 1500.2 | 1778. | 47.25 | 0.919 |
| 1900. | 4.420 | 35.107 | | 4.256 | 27.84 | 32.434 | 36.920 | 1.431 | 1500.0 | 1877. | 46.16 | 0.876 |
| 2000. | 4.102 | 35.070 | | 3.933 | 27.85 | 32.447 | 36.942 | 1.476 | 1500.3 | 1975. | 45.23 | 0.827 |
| 2100. | 3.846 | 35.044 | | 3.670 | 27.86 | 32.460 | 36.962 | 1.521 | 1500.8 | 2073. | 44.38 | 0.795 |
| 2200. | 3.677 | 35.023 | | 3.495 | 27.86 | 32.466 | 36.972 | 1.565 | 1501.8 | 2171. | 44.32 | 0.592 |
| 2300. | 3.489 | 35.006 | | 3.300 | 27.86 | 32.477 | 36.989 | 1.609 | 1502.7 | 2269. | 43.60 | 0.747 |
| 2400. | 3.305 | 34.988 | | 3.109 | 27.87 | 32.486 | 37.003 | 1.653 | 1503.6 | 2368. | 43.00 | 0.710 |
| 2500. | 3.135 | 34.972 | | 2.932 | 27.87 | 32.494 | 37.016 | 1.696 | 1504.5 | 2466. | 42.45 | 0.687 |
| 2600. | 3.015 | 34.964 | | 2.805 | 27.87 | 32.503 | 37.028 | 1.738 | 1505.7 | 2564. | 41.96 | 0.665 |
| 2700. | 2.933 | 34.957 | | 2.714 | 27.88 | 32.509 | 37.036 | 1.780 | 1507.0 | 2662. | 41.84 | 0.555 |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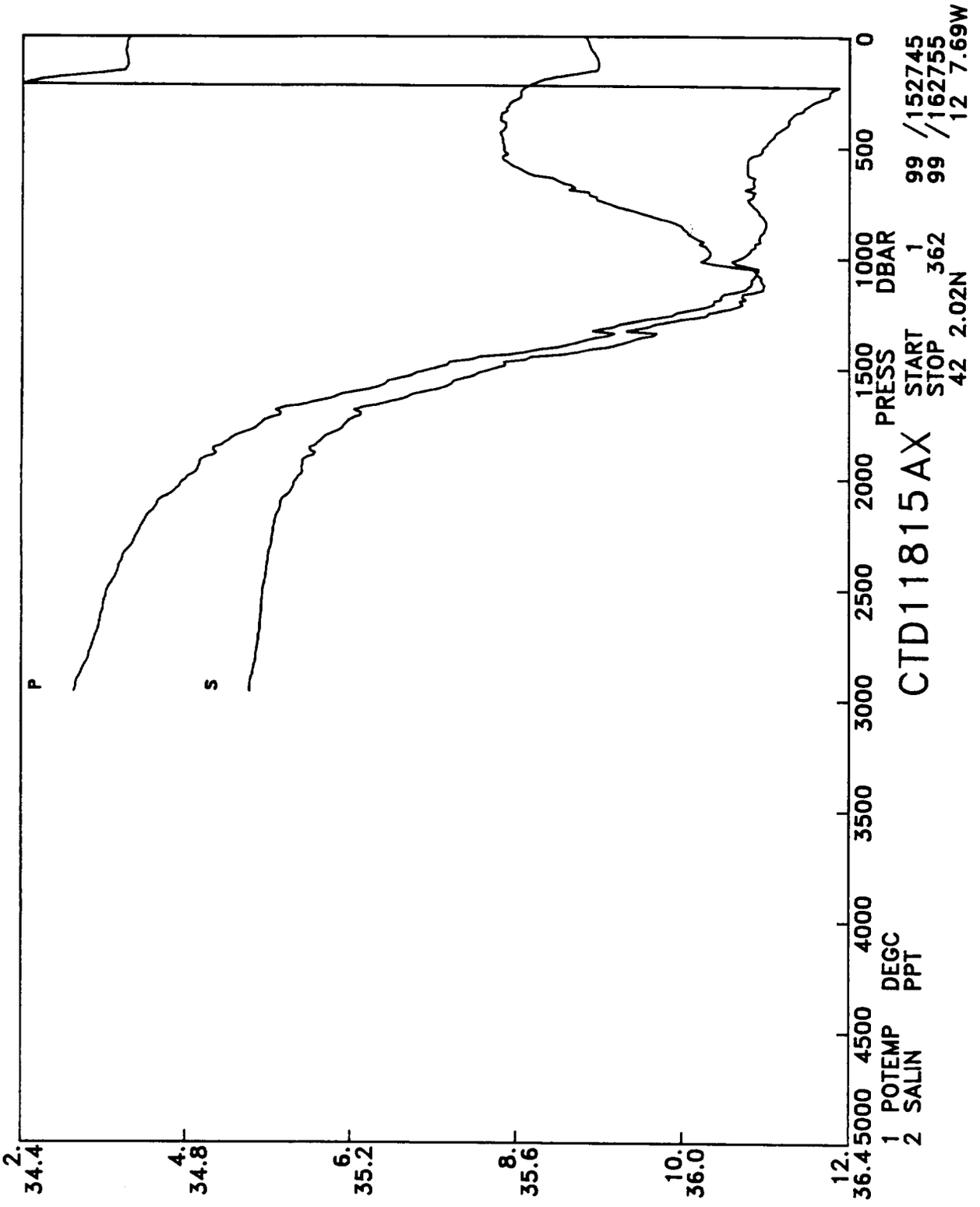
# DISCOVERY 181 STATION 11814

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMAQ $KG/M^3$ | SIG1000Q $KG/M^3$ | SIG2000Q $KG/M^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-6}M^3/KG$ | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 13.602 | 35.793 | | 13.601 | 26.88 | 31.261 | 35.541 | 0.012 | 1503.3 | 10. | 116.05 | -9.999 |
| 20. | 13.640 | 35.844 | | 13.638 | 26.92 | 31.292 | 35.571 | 0.023 | 1503.6 | 20. | 113.31 | 3.183 |
| 30. | 13.635 | 35.846 | | 13.631 | 26.92 | 31.295 | 35.574 | 0.034 | 1503.8 | 30. | 113.35 | 0.952 |
| 40. | 13.627 | 35.845 | | 13.621 | 26.92 | 31.297 | 35.576 | 0.046 | 1503.9 | 40. | 113.50 | 0.739 |
| 50. | 13.627 | 35.845 | | 13.620 | 26.92 | 31.297 | 35.576 | 0.057 | 1504.1 | 50. | 113.80 | 0.209 |
| 60. | 13.628 | 35.846 | | 13.620 | 26.92 | 31.298 | 35.577 | 0.068 | 1504.2 | 60. | 114.06 | 0.380 |
| 70. | 13.630 | 35.847 | | 13.620 | 26.92 | 31.299 | 35.578 | 0.080 | 1504.4 | 69. | 114.25 | 0.632 |
| 80. | 13.629 | 35.846 | | 13.617 | 26.92 | 31.299 | 35.578 | 0.091 | 1504.6 | 79. | 114.60 | -0.345 |
| 100. | 13.019 | 35.764 | | 13.005 | 26.98 | 31.373 | 35.664 | 0.114 | 1502.8 | 99. | 109.22 | 3.159 |
| 120. | 12.544 | 35.702 | | 12.528 | 27.03 | 31.430 | 35.731 | 0.136 | 1501.5 | 119. | 105.22 | 2.767 |
| 140. | 12.243 | 35.666 | | 12.225 | 27.06 | 31.468 | 35.775 | 0.156 | 1500.8 | 139. | 102.72 | 2.263 |
| 160. | 12.038 | 35.639 | | 12.017 | 27.08 | 31.492 | 35.803 | 0.177 | 1500.4 | 159. | 101.36 | 1.788 |
| 180. | 11.833 | 35.615 | | 11.810 | 27.10 | 31.517 | 35.832 | 0.197 | 1500.0 | 179. | 99.88 | 1.843 |
| 200. | 11.732 | 35.602 | | 11.706 | 27.11 | 31.529 | 35.846 | 0.217 | 1499.9 | 198. | 99.46 | 1.271 |
| 220. | 11.644 | 35.592 | | 11.615 | 27.12 | 31.540 | 35.859 | 0.237 | 1499.9 | 218. | 99.08 | 1.245 |
| 240. | 11.564 | 35.583 | | 11.533 | 27.13 | 31.550 | 35.871 | 0.256 | 1500.0 | 238. | 98.80 | 1.167 |
| 260. | 11.520 | 35.581 | | 11.487 | 27.14 | 31.559 | 35.880 | 0.276 | 1500.2 | 258. | 98.61 | 1.099 |
| 280. | 11.447 | 35.573 | | 11.412 | 27.15 | 31.568 | 35.891 | 0.296 | 1500.2 | 278. | 98.41 | 1.114 |
| 300. | 11.336 | 35.562 | | 11.298 | 27.16 | 31.583 | 35.908 | 0.315 | 1500.2 | 297. | 97.67 | 1.458 |
| 320. | 11.256 | 35.554 | | 11.215 | 27.17 | 31.594 | 35.921 | 0.335 | 1500.2 | 317. | 97.26 | 1.249 |
| 340. | 11.148 | 35.544 | | 11.106 | 27.18 | 31.608 | 35.937 | 0.354 | 1500.1 | 337. | 96.59 | 1.411 |
| 360. | 11.100 | 35.540 | | 11.055 | 27.19 | 31.615 | 35.946 | 0.374 | 1500.3 | 357. | 96.49 | 1.017 |
| 380. | 11.044 | 35.534 | | 10.996 | 27.19 | 31.623 | 35.954 | 0.393 | 1500.4 | 377. | 96.36 | 1.038 |
| 400. | 10.968 | 35.531 | | 10.918 | 27.20 | 31.636 | 35.969 | 0.412 | 1500.5 | 396. | 95.71 | 1.397 |
| 450. | 10.920 | 35.539 | | 10.864 | 27.22 | 31.654 | 35.988 | 0.460 | 1501.2 | 446. | 95.41 | 1.028 |
| 500. | 10.868 | 35.557 | | 10.806 | 27.24 | 31.679 | 36.014 | 0.507 | 1501.8 | 495. | 94.35 | 1.248 |
| 550. | 10.750 | 35.568 | | 10.682 | 27.28 | 31.713 | 36.050 | 0.554 | 1502.3 | 545. | 92.52 | 1.439 |
| 600. | 10.852 | 35.642 | | 10.777 | 27.32 | 31.751 | 36.086 | 0.600 | 1503.5 | 594. | 90.08 | 1.576 |
| 700. | 10.980 | 35.800 | | 10.891 | 27.42 | 31.850 | 36.182 | 0.687 | 1505.8 | 693. | 83.22 | 1.777 |
| 800. | 10.994 | 35.909 | | 10.892 | 27.50 | 31.933 | 36.265 | 0.768 | 1507.7 | 792. | 77.90 | 1.628 |
| 900. | 10.818 | 35.985 | | 10.704 | 27.60 | 32.030 | 36.365 | 0.842 | 1508.8 | 891. | 71.41 | 1.743 |
| 1000. | 10.591 | 36.009 | | 10.465 | 27.66 | 32.097 | 36.436 | 0.912 | 1509.7 | 990. | 67.68 | 1.451 |
| 1100. | 9.937 | 35.936 | | 9.802 | 27.72 | 32.170 | 36.523 | 0.977 | 1508.9 | 1088. | 63.17 | 1.528 |
| 1200. | 10.018 | 36.047 | | 9.869 | 27.79 | 32.243 | 36.595 | 1.038 | 1511.0 | 1187. | 58.71 | 1.518 |
| 1300. | 9.221 | 35.918 | | 9.067 | 27.83 | 32.295 | 36.664 | 1.095 | 1509.6 | 1286. | 55.77 | 1.329 |
| 1400. | 7.428 | 35.579 | | 7.280 | 27.84 | 32.347 | 36.758 | 1.149 | 1504.2 | 1384. | 51.54 | 1.453 |
| 1500. | 5.776 | 35.260 | | 5.636 | 27.80 | 32.358 | 36.810 | 1.200 | 1499.0 | 1483. | 50.37 | 0.973 |
| 1600. | 5.211 | 35.179 | | 5.066 | 27.81 | 32.377 | 36.843 | 1.249 | 1498.3 | 1581. | 49.23 | 0.924 |
| 1700. | 4.758 | 35.113 | | 4.609 | 27.81 | 32.390 | 36.867 | 1.298 | 1498.0 | 1680. | 48.60 | 0.796 |
| 1800. | 4.354 | 35.058 | | 4.201 | 27.81 | 32.402 | 36.891 | 1.347 | 1497.9 | 1778. | 47.85 | 0.804 |
| 1900. | 4.020 | 35.030 | | 3.862 | 27.82 | 32.425 | 36.922 | 1.393 | 1498.2 | 1877. | 46.11 | 0.974 |
| 2000. | 3.807 | 35.018 | | 3.642 | 27.84 | 32.443 | 36.946 | 1.439 | 1499.0 | 1975. | 44.87 | 0.873 |
| 2100. | 3.706 | 35.022 | | 3.533 | 27.85 | 32.460 | 36.966 | 1.483 | 1500.2 | 2073. | 43.99 | 0.790 |
| 2200. | 3.585 | 35.013 | | 3.404 | 27.86 | 32.470 | 36.979 | 1.527 | 1501.4 | 2171. | 43.70 | 0.647 |
| 2300. | 3.412 | 34.993 | | 3.224 | 27.86 | 32.476 | 36.990 | 1.571 | 1502.3 | 2269. | 43.43 | 0.631 |
| 2400. | 3.409 | 34.996 | | 3.211 | 27.86 | 32.480 | 36.994 | 1.614 | 1504.0 | 2368. | 43.93 | 0.361 |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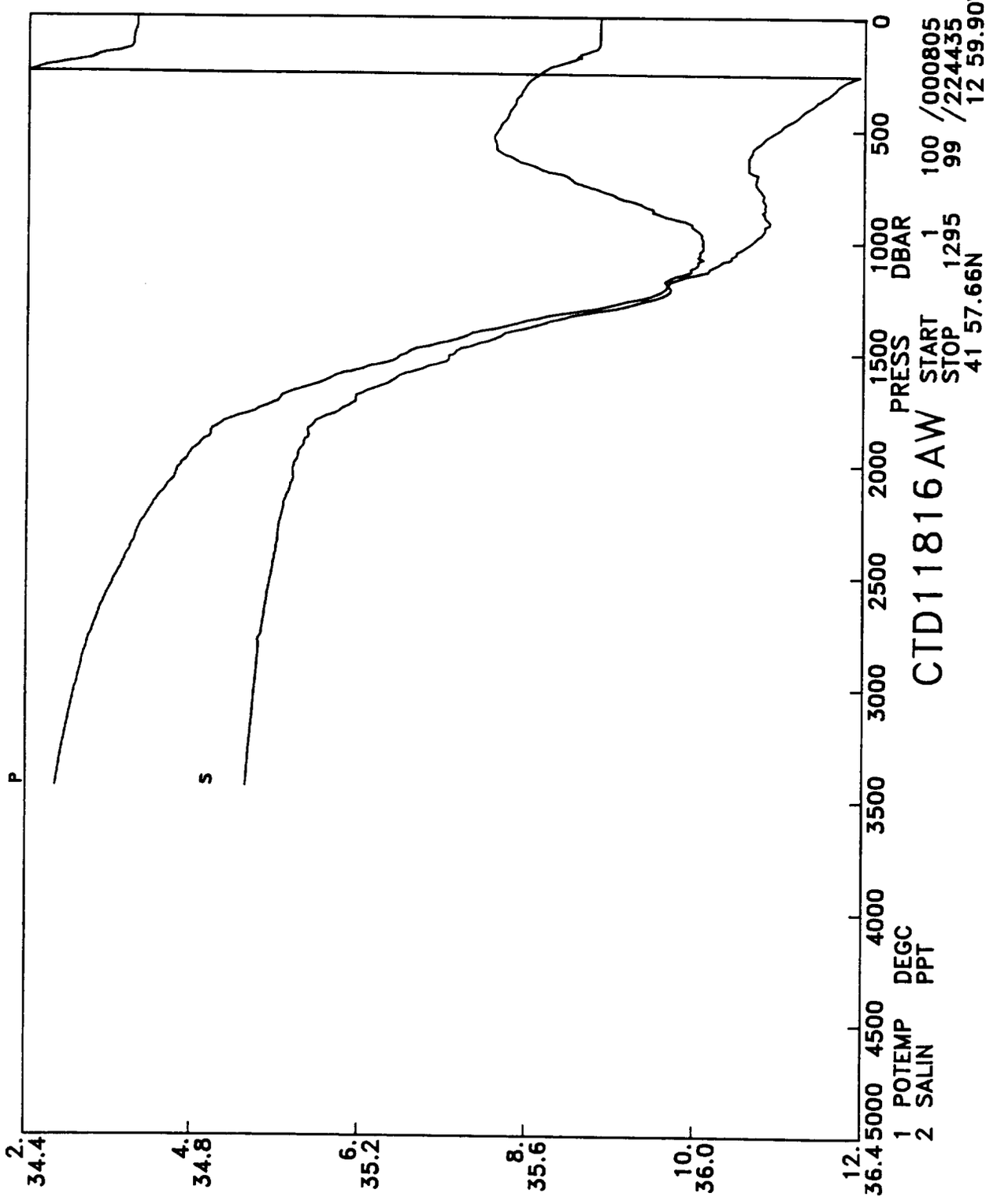
5000 4500 4000 3500 3000 2500 2000 1500 1000 500 0
PRESS DBAR
1 POTEMP DEGC
2 SALIN PPT
P
S
CTD11815AX
START 1 99 /152745
STOP 362 99 /162755
42 2.02N 12 7.69W

# DISCOVERY 181 STATION 11815

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 $KG/M^3$ | SIG1000 $KG/M^3$ | SIG2000 $KG/M^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}M^3/KG$ | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 13.302 | 35.769 | | 13.301 | 26.93 | 31.311 | 35.596 | 0.011 | 1502.3 | 10. | 111.89 | -9.999 |
| 20. | 13.284 | 35.773 | | 13.281 | 26.94 | 31.318 | 35.604 | 0.022 | 1502.4 | 20. | 111.55 | 1.467 |
| 30. | 13.280 | 35.775 | | 13.276 | 26.94 | 31.321 | 35.607 | 0.034 | 1502.5 | 30. | 111.59 | 0.942 |
| 40. | 13.281 | 35.776 | | 13.276 | 26.94 | 31.322 | 35.608 | 0.045 | 1502.7 | 40. | 111.78 | 0.609 |
| 50. | 13.280 | 35.778 | | 13.273 | 26.94 | 31.324 | 35.610 | 0.056 | 1502.9 | 50. | 111.92 | 0.742 |
| 60. | 13.264 | 35.781 | | 13.255 | 26.95 | 31.330 | 35.617 | 0.067 | 1503.0 | 60. | 111.61 | 1.421 |
| 70. | 13.277 | 35.787 | | 13.267 | 26.95 | 31.332 | 35.618 | 0.078 | 1503.2 | 69. | 111.74 | 0.767 |
| 80. | 13.287 | 35.789 | | 13.276 | 26.95 | 31.332 | 35.618 | 0.089 | 1503.4 | 79. | 112.03 | 0.210 |
| 100. | 13.302 | 35.795 | | 13.287 | 26.95 | 31.334 | 35.619 | 0.112 | 1503.8 | 99. | 112.46 | 0.548 |
| 120. | 13.307 | 35.798 | | 13.291 | 26.95 | 31.335 | 35.621 | 0.134 | 1504.1 | 119. | 112.92 | 0.492 |
| 140. | 13.291 | 35.796 | | 13.272 | 26.95 | 31.338 | 35.624 | 0.157 | 1504.4 | 139. | 113.30 | 0.607 |
| 160. | 13.079 | 35.766 | | 13.057 | 26.98 | 31.363 | 35.653 | 0.180 | 1504.0 | 159. | 111.85 | 1.851 |
| 180. | 12.557 | 35.702 | | 12.533 | 27.03 | 31.429 | 35.730 | 0.202 | 1502.5 | 179. | 107.03 | 3.004 |
| 200. | 12.177 | 35.653 | | 12.151 | 27.07 | 31.474 | 35.782 | 0.223 | 1501.5 | 198. | 104.00 | 2.452 |
| 220. | 11.946 | 35.625 | | 11.917 | 27.09 | 31.502 | 35.814 | 0.243 | 1501.0 | 218. | 102.26 | 1.956 |
| 240. | 11.804 | 35.609 | | 11.773 | 27.11 | 31.520 | 35.836 | 0.264 | 1500.8 | 238. | 101.27 | 1.602 |
| 260. | 11.800 | 35.610 | | 11.766 | 27.11 | 31.522 | 35.838 | 0.284 | 1501.2 | 258. | 101.65 | 0.542 |
| 280. | 11.725 | 35.607 | | 11.689 | 27.12 | 31.536 | 35.853 | 0.304 | 1501.2 | 278. | 101.01 | 1.405 |
| 300. | 11.586 | 35.582 | | 11.547 | 27.13 | 31.547 | 35.867 | 0.324 | 1501.0 | 297. | 100.72 | 1.178 |
| 320. | 11.505 | 35.575 | | 11.463 | 27.14 | 31.559 | 35.881 | 0.344 | 1501.1 | 317. | 100.24 | 1.303 |
| 340. | 11.415 | 35.565 | | 11.371 | 27.15 | 31.570 | 35.894 | 0.364 | 1501.1 | 337. | 99.84 | 1.246 |
| 360. | 11.360 | 35.562 | | 11.314 | 27.16 | 31.579 | 35.905 | 0.384 | 1501.2 | 357. | 99.54 | 1.179 |
| 380. | 11.316 | 35.563 | | 11.268 | 27.17 | 31.590 | 35.916 | 0.404 | 1501.4 | 377. | 99.16 | 1.230 |
| 400. | 11.306 | 35.575 | | 11.255 | 27.18 | 31.601 | 35.928 | 0.424 | 1501.7 | 396. | 98.59 | 1.353 |
| 450. | 11.152 | 35.564 | | 11.095 | 27.20 | 31.626 | 35.956 | 0.473 | 1502.0 | 446. | 97.72 | 1.206 |
| 500. | 11.025 | 35.568 | | 10.962 | 27.23 | 31.656 | 35.988 | 0.521 | 1502.4 | 495. | 96.35 | 1.334 |
| 550. | 10.855 | 35.566 | | 10.786 | 27.26 | 31.690 | 36.025 | 0.569 | 1502.6 | 545. | 94.60 | 1.425 |
| 600. | 10.846 | 35.609 | | 10.771 | 27.29 | 31.727 | 36.062 | 0.616 | 1503.5 | 594. | 92.38 | 1.528 |
| 700. | 10.972 | 35.770 | | 10.883 | 27.40 | 31.828 | 36.160 | 0.705 | 1505.8 | 693. | 85.28 | 1.798 |
| 800. | 11.016 | 35.903 | | 10.913 | 27.50 | 31.924 | 36.255 | 0.787 | 1507.7 | 792. | 78.74 | 1.749 |
| 900. | 11.028 | 36.016 | | 10.912 | 27.58 | 32.012 | 36.342 | 0.862 | 1509.6 | 891. | 73.03 | 1.669 |
| 1000. | 10.824 | 36.061 | | 10.695 | 27.66 | 32.091 | 36.425 | 0.933 | 1510.6 | 990. | 68.26 | 1.571 |
| 1100. | 10.965 | 36.188 | | 10.822 | 27.73 | 32.163 | 36.494 | 0.999 | 1512.9 | 1088. | 64.03 | 1.512 |
| 1200. | 10.479 | 36.123 | | 10.327 | 27.77 | 32.212 | 36.553 | 1.062 | 1512.7 | 1187. | 61.84 | 1.262 |
| 1300. | 9.389 | 35.932 | | 9.233 | 27.81 | 32.275 | 36.641 | 1.121 | 1510.2 | 1286. | 57.70 | 1.480 |
| 1400. | 8.727 | 35.832 | | 8.565 | 27.84 | 32.321 | 36.701 | 1.178 | 1509.4 | 1384. | 55.15 | 1.263 |
| 1500. | 7.137 | 35.544 | | 6.980 | 27.85 | 32.369 | 36.787 | 1.231 | 1504.7 | 1483. | 50.94 | 1.440 |
| 1600. | 6.283 | 35.392 | | 6.126 | 27.85 | 32.387 | 36.826 | 1.281 | 1502.8 | 1581. | 49.87 | 0.962 |
| 1700. | 5.316 | 35.224 | | 5.160 | 27.83 | 32.399 | 36.863 | 1.330 | 1500.4 | 1680. | 48.66 | 0.949 |
| 1800. | 4.767 | 35.140 | | 4.608 | 27.83 | 32.412 | 36.889 | 1.379 | 1499.7 | 1778. | 47.75 | 0.858 |
| 1900. | 4.433 | 35.098 | | 4.269 | 27.84 | 32.424 | 36.911 | 1.426 | 1500.0 | 1877. | 47.06 | 0.793 |
| 2000. | 4.171 | 35.069 | | 4.001 | 27.84 | 32.437 | 36.931 | 1.473 | 1500.6 | 1975. | 46.33 | 0.787 |
| 2100. | 3.836 | 35.030 | | 3.660 | 27.85 | 32.451 | 36.953 | 1.519 | 1500.8 | 2073. | 45.23 | 0.848 |
| 2200. | 3.660 | 35.014 | | 3.478 | 27.85 | 32.461 | 36.968 | 1.564 | 1501.7 | 2171. | 44.70 | 0.713 |
| 2300. | 3.529 | 35.006 | | 3.339 | 27.86 | 32.472 | 36.983 | 1.608 | 1502.8 | 2270. | 44.18 | 0.701 |
| 2400. | 3.373 | 34.995 | | 3.175 | 27.87 | 32.484 | 36.999 | 1.652 | 1503.9 | 2368. | 43.46 | 0.740 |
| 2500. | 3.243 | 34.986 | | 3.038 | 27.87 | 32.493 | 37.012 | 1.695 | 1505.0 | 2466. | 42.95 | 0.684 |
| 2600. | 3.190 | 34.982 | | 2.977 | 27.87 | 32.497 | 37.018 | 1.738 | 1506.4 | 2564. | 43.19 | 0.450 |
| 2700. | 3.129 | 34.977 | | 2.906 | 27.88 | 32.502 | 37.024 | 1.781 | 1507.9 | 2662. | 43.31 | 0.487 |
| 2800. | 3.046 | 34.970 | | 2.814 | 27.88 | 32.507 | 37.032 | 1.825 | 1509.2 | 2760. | 43.23 | 0.552 |
| 2900. | 2.922 | 34.955 | | 2.683 | 27.88 | 32.511 | 37.039 | 1.868 | 1510.4 | 2858. | 43.08 | 0.565 |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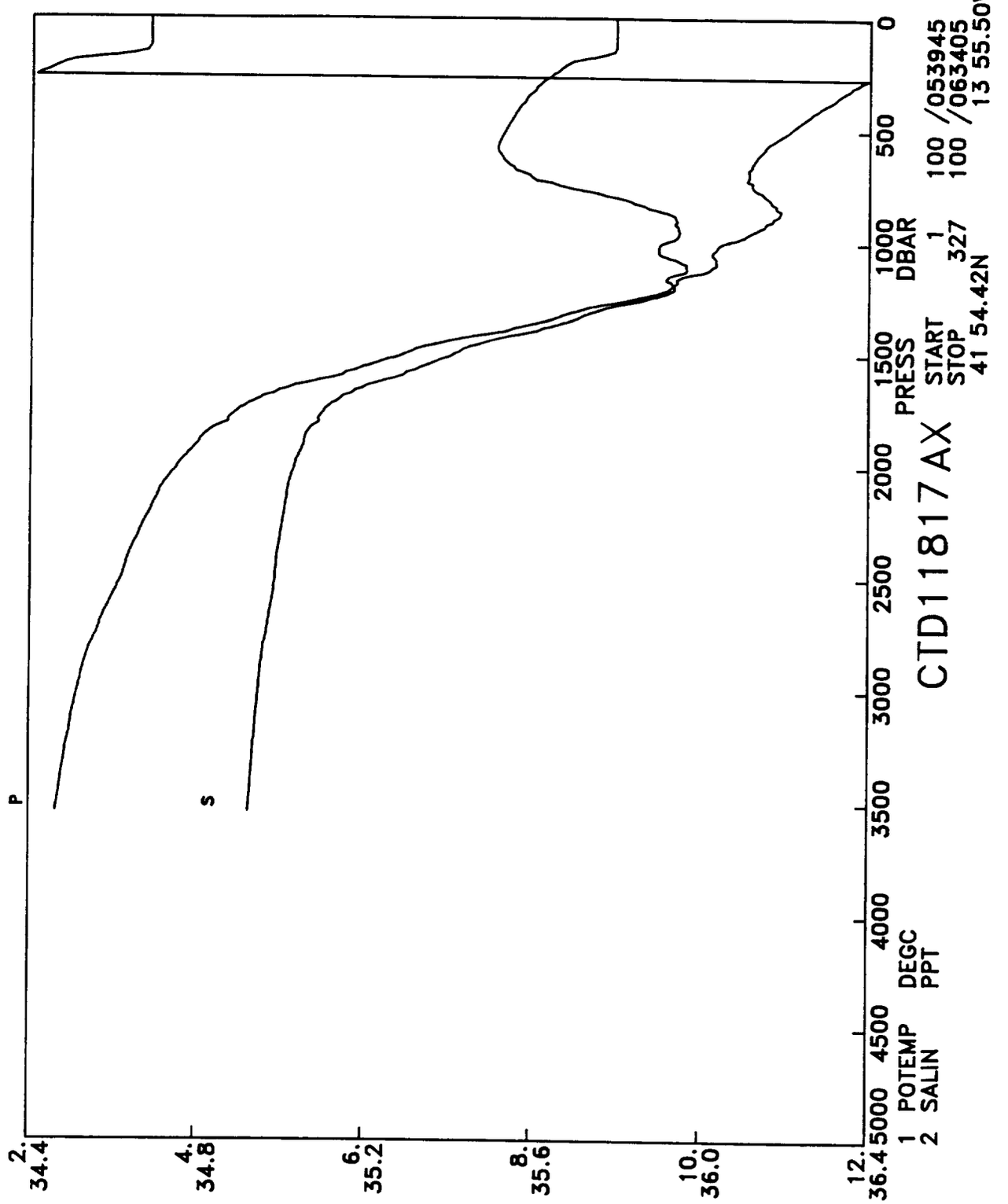
# DISCOVERY 181 STATION 11816

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMAQ $KG/M^3$ | SIG1000 $KG/M^3$ | SIG2000 $KG/M^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}M^3/KG$ | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 13.315 | 35.771 | | 13.314 | 26.93 | 31.310 | 35.595 | 0.011 | 1502.3 | 10. | 111.97 | -9.999 |
| 20. | 13.319 | 35.770 | | 13.316 | 26.93 | 31.308 | 35.593 | 0.022 | 1502.5 | 20. | 112.40 | -0.666 |
| 30. | 13.319 | 35.770 | | 13.315 | 26.93 | 31.309 | 35.594 | 0.034 | 1502.6 | 30. | 112.68 | 0.311 |
| 40. | 13.320 | 35.770 | | 13.314 | 26.93 | 31.308 | 35.594 | 0.045 | 1502.8 | 40. | 113.00 | -0.241 |
| 50. | 13.316 | 35.769 | | 13.309 | 26.93 | 31.309 | 35.594 | 0.056 | 1503.0 | 50. | 113.29 | 0.262 |
| 60. | 13.297 | 35.771 | | 13.289 | 26.93 | 31.315 | 35.601 | 0.068 | 1503.1 | 60. | 113.05 | 1.343 |
| 70. | 13.294 | 35.771 | | 13.284 | 26.93 | 31.316 | 35.602 | 0.079 | 1503.2 | 69. | 113.26 | 0.561 |
| 80. | 13.285 | 35.770 | | 13.274 | 26.93 | 31.318 | 35.604 | 0.090 | 1503.4 | 79. | 113.38 | 0.785 |
| 100. | 13.283 | 35.769 | | 13.268 | 26.93 | 31.318 | 35.604 | 0.113 | 1503.7 | 99. | 113.98 | -0.091 |
| 120. | 13.283 | 35.769 | | 13.266 | 26.94 | 31.318 | 35.604 | 0.136 | 1504.0 | 119. | 114.57 | 0.172 |
| 140. | 13.258 | 35.763 | | 13.239 | 26.94 | 31.320 | 35.607 | 0.159 | 1504.3 | 139. | 115.03 | 0.496 |
| 160. | 12.992 | 35.728 | | 12.970 | 26.96 | 31.353 | 35.645 | 0.182 | 1503.7 | 159. | 112.94 | 2.114 |
| 180. | 12.822 | 35.718 | | 12.798 | 26.99 | 31.383 | 35.679 | 0.204 | 1503.4 | 179. | 110.96 | 2.074 |
| 200. | 12.518 | 35.684 | | 12.491 | 27.03 | 31.424 | 35.725 | 0.226 | 1502.7 | 198. | 108.16 | 2.375 |
| 220. | 12.213 | 35.648 | | 12.183 | 27.06 | 31.463 | 35.771 | 0.247 | 1501.9 | 218. | 105.49 | 2.323 |
| 240. | 12.066 | 35.634 | | 12.035 | 27.08 | 31.484 | 35.794 | 0.268 | 1501.8 | 238. | 104.35 | 1.688 |
| 260. | 11.961 | 35.621 | | 11.927 | 27.09 | 31.497 | 35.810 | 0.289 | 1501.7 | 258. | 103.78 | 1.365 |
| 280. | 11.820 | 35.605 | | 11.784 | 27.10 | 31.514 | 35.830 | 0.310 | 1501.5 | 278. | 102.91 | 1.543 |
| 300. | 11.727 | 35.593 | | 11.688 | 27.11 | 31.526 | 35.843 | 0.330 | 1501.5 | 297. | 102.51 | 1.258 |
| 320. | 11.688 | 35.588 | | 11.646 | 27.11 | 31.531 | 35.849 | 0.351 | 1501.7 | 317. | 102.66 | 0.815 |
| 340. | 11.625 | 35.582 | | 11.581 | 27.12 | 31.540 | 35.859 | 0.371 | 1501.8 | 337. | 102.42 | 1.137 |
| 360. | 11.533 | 35.571 | | 11.486 | 27.13 | 31.551 | 35.872 | 0.392 | 1501.8 | 357. | 102.03 | 1.241 |
| 380. | 11.463 | 35.569 | | 11.414 | 27.14 | 31.564 | 35.887 | 0.412 | 1501.9 | 377. | 101.42 | 1.387 |
| 400. | 11.395 | 35.562 | | 11.344 | 27.15 | 31.573 | 35.898 | 0.432 | 1502.0 | 396. | 101.14 | 1.165 |
| 450. | 11.234 | 35.548 | | 11.177 | 27.17 | 31.597 | 35.925 | 0.483 | 1502.3 | 446. | 100.44 | 1.161 |
| 500. | 11.029 | 35.528 | | 10.966 | 27.19 | 31.625 | 35.957 | 0.533 | 1502.4 | 495. | 99.32 | 1.271 |
| 550. | 10.849 | 35.522 | | 10.781 | 27.22 | 31.657 | 35.993 | 0.582 | 1502.5 | 545. | 97.72 | 1.386 |
| 600. | 10.733 | 35.535 | | 10.658 | 27.25 | 31.692 | 36.030 | 0.630 | 1503.0 | 594. | 95.78 | 1.463 |
| 700. | 10.822 | 35.685 | | 10.734 | 27.36 | 31.792 | 36.128 | 0.722 | 1505.1 | 693. | 88.74 | 1.790 |
| 800. | 10.894 | 35.812 | | 10.792 | 27.45 | 31.879 | 36.213 | 0.808 | 1507.2 | 792. | 83.08 | 1.659 |
| 900. | 10.976 | 35.958 | | 10.861 | 27.55 | 31.978 | 36.309 | 0.888 | 1509.3 | 891. | 76.31 | 1.770 |
| 1000. | 10.790 | 36.017 | | 10.662 | 27.63 | 32.063 | 36.398 | 0.961 | 1510.4 | 990. | 70.84 | 1.642 |
| 1100. | 10.411 | 36.008 | | 10.273 | 27.69 | 32.134 | 36.477 | 1.030 | 1510.7 | 1088. | 66.68 | 1.498 |
| 1200. | 9.803 | 35.940 | | 9.657 | 27.75 | 32.201 | 36.557 | 1.095 | 1510.1 | 1187. | 62.57 | 1.481 |
| 1300. | 8.945 | 35.805 | | 8.794 | 27.78 | 32.258 | 36.634 | 1.155 | 1508.5 | 1286. | 59.02 | 1.398 |
| 1400. | 7.574 | 35.562 | | 7.424 | 27.80 | 32.309 | 36.717 | 1.212 | 1504.7 | 1384. | 55.16 | 1.406 |
| 1500. | 6.715 | 35.427 | | 6.564 | 27.82 | 32.346 | 36.774 | 1.266 | 1502.9 | 1483. | 52.65 | 1.200 |
| 1600. | 5.852 | 35.293 | | 5.700 | 27.82 | 32.374 | 36.824 | 1.318 | 1501.0 | 1581. | 50.43 | 1.131 |
| 1700. | 5.212 | 35.191 | | 5.058 | 27.82 | 32.388 | 36.854 | 1.368 | 1500.0 | 1680. | 49.50 | 0.885 |
| 1800. | 4.547 | 35.095 | | 4.391 | 27.82 | 32.406 | 36.889 | 1.416 | 1498.8 | 1778. | 47.86 | 0.985 |
| 1900. | 4.258 | 35.066 | | 4.096 | 27.83 | 32.423 | 36.914 | 1.464 | 1499.2 | 1877. | 46.81 | 0.856 |
| 2000. | 4.020 | 35.041 | | 3.852 | 27.83 | 32.435 | 36.932 | 1.510 | 1499.9 | 1975. | 46.22 | 0.748 |
| 2100. | 3.857 | 35.033 | | 3.681 | 27.85 | 32.451 | 36.952 | 1.556 | 1500.9 | 2073. | 45.28 | 0.811 |
| 2200. | 3.667 | 35.016 | | 3.485 | 27.85 | 32.462 | 36.968 | 1.601 | 1501.7 | 2171. | 44.68 | 0.730 |
| 2300. | 3.520 | 35.005 | | 3.331 | 27.86 | 32.472 | 36.983 | 1.645 | 1502.8 | 2270. | 44.16 | 0.701 |
| 2400. | 3.397 | 34.997 | | 3.199 | 27.86 | 32.482 | 36.996 | 1.689 | 1504.0 | 2368. | 43.72 | 0.675 |
| 2500. | 3.276 | 34.988 | | 3.070 | 27.87 | 32.491 | 37.008 | 1.733 | 1505.1 | 2466. | 43.31 | 0.658 |
| 2600. | 3.152 | 34.978 | | 2.939 | 27.87 | 32.498 | 37.020 | 1.776 | 1506.3 | 2564. | 42.93 | 0.643 |
| 2700. | 3.053 | 34.969 | | 2.831 | 27.88 | 32.504 | 37.029 | 1.819 | 1507.5 | 2662. | 42.74 | 0.586 |
| 2800. | 2.958 | 34.961 | | 2.728 | 27.88 | 32.510 | 37.037 | 1.861 | 1508.8 | 2760. | 42.59 | 0.564 |
| 2900. | 2.897 | 34.954 | | 2.658 | 27.88 | 32.513 | 37.042 | 1.904 | 1510.3 | 2858. | 42.75 | 0.457 |
| 3000. | 2.833 | 34.950 | | 2.585 | 27.88 | 32.518 | 37.049 | 1.947 | 1511.7 | 2955. | 42.71 | 0.524 |
| 3100. | 2.784 | 34.945 | | 2.527 | 27.88 | 32.521 | 37.053 | 1.990 | 1513.2 | 3053. | 42.88 | 0.441 |
| 3200. | 2.736 | 34.940 | | 2.469 | 27.89 | 32.523 | 37.057 | 2.032 | 1514.7 | 3151. | 43.05 | 0.438 |
| 3300. | 2.689 | 34.935 | | 2.413 | 27.89 | 32.525 | 37.061 | 2.076 | 1516.2 | 3249. | 43.29 | 0.406 |
| 3400. | 2.654 | 34.931 | | 2.368 | 27.89 | 32.527 | 37.064 | 2.119 | 1517.7 | 3346. | 43.55 | 0.396 |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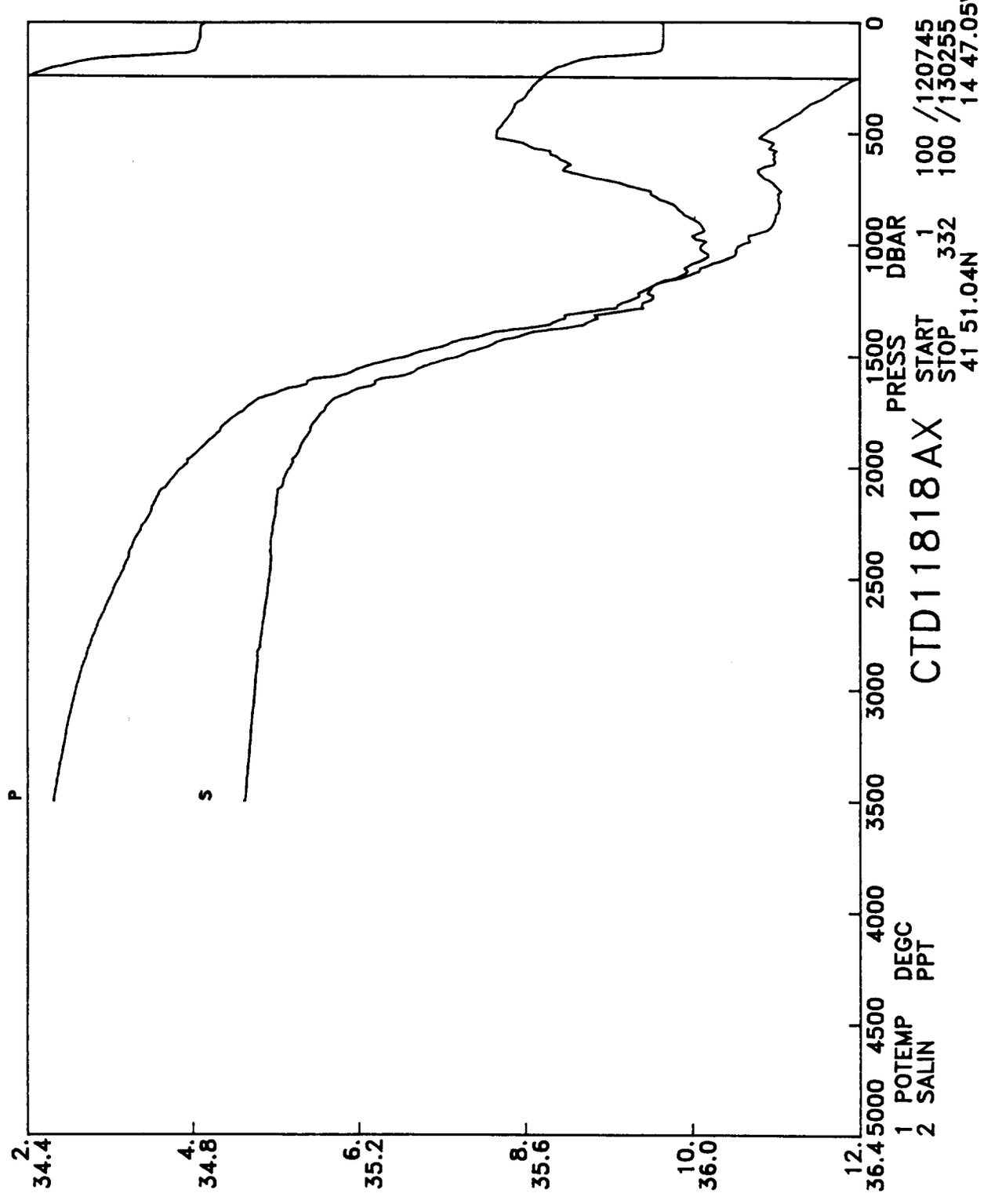
# DISCOVERY 181 STATION 11817

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 13.434 | 35.798 | | 13.433 | 26.92 | 31.303 | 35.586 | 0.011 | 1502.7 | 10. | 112.37 | -9.999 |
| 20. | 13.436 | 35.798 | | 13.433 | 26.92 | 31.303 | 35.586 | 0.022 | 1502.9 | 20. | 112.68 | -0.119 |
| 30. | 13.441 | 35.797 | | 13.437 | 26.92 | 31.302 | 35.585 | 0.033 | 1503.1 | 30. | 113.09 | -0.590 |
| 40. | 13.441 | 35.797 | | 13.435 | 26.92 | 31.302 | 35.585 | 0.045 | 1503.2 | 40. | 113.37 | 0.319 |
| 50. | 13.440 | 35.797 | | 13.433 | 26.92 | 31.303 | 35.586 | 0.056 | 1503.4 | 50. | 113.62 | 0.423 |
| 60. | 13.446 | 35.797 | | 13.437 | 26.92 | 31.301 | 35.584 | 0.067 | 1503.6 | 60. | 114.04 | -0.598 |
| 70. | 13.448 | 35.797 | | 13.438 | 26.92 | 31.301 | 35.584 | 0.079 | 1503.8 | 69. | 114.37 | -0.270 |
| 80. | 13.449 | 35.797 | | 13.438 | 26.92 | 31.302 | 35.584 | 0.090 | 1503.9 | 79. | 114.65 | 0.259 |
| 100. | 13.451 | 35.797 | | 13.437 | 26.92 | 31.301 | 35.584 | 0.113 | 1504.3 | 99. | 115.26 | -0.048 |
| 120. | 13.451 | 35.797 | | 13.434 | 26.92 | 31.302 | 35.585 | 0.136 | 1504.6 | 119. | 115.84 | 0.227 |
| 140. | 13.425 | 35.794 | | 13.405 | 26.93 | 31.307 | 35.590 | 0.160 | 1504.8 | 139. | 116.04 | 0.828 |
| 160. | 13.285 | 35.776 | | 13.263 | 26.94 | 31.325 | 35.611 | 0.183 | 1504.7 | 159. | 115.19 | 1.560 |
| 180. | 12.797 | 35.721 | | 12.772 | 27.00 | 31.391 | 35.687 | 0.205 | 1503.3 | 179. | 110.22 | 3.046 |
| 200. | 12.449 | 35.686 | | 12.422 | 27.04 | 31.440 | 35.743 | 0.227 | 1502.5 | 198. | 106.71 | 2.612 |
| 220. | 12.328 | 35.668 | | 12.299 | 27.05 | 31.454 | 35.759 | 0.248 | 1502.4 | 218. | 106.20 | 1.345 |
| 240. | 12.214 | 35.657 | | 12.182 | 27.06 | 31.470 | 35.777 | 0.269 | 1502.3 | 238. | 105.41 | 1.503 |
| 260. | 12.085 | 35.641 | | 12.051 | 27.08 | 31.486 | 35.796 | 0.290 | 1502.2 | 258. | 104.69 | 1.464 |
| 280. | 11.934 | 35.622 | | 11.897 | 27.09 | 31.504 | 35.817 | 0.311 | 1502.0 | 278. | 103.73 | 1.592 |
| 300. | 11.835 | 35.611 | | 11.796 | 27.10 | 31.517 | 35.832 | 0.332 | 1501.9 | 297. | 103.21 | 1.339 |
| 320. | 11.776 | 35.604 | | 11.735 | 27.11 | 31.524 | 35.841 | 0.352 | 1502.1 | 317. | 103.14 | 1.010 |
| 340. | 11.675 | 35.589 | | 11.631 | 27.12 | 31.534 | 35.853 | 0.373 | 1502.0 | 337. | 102.86 | 1.171 |
| 360. | 11.628 | 35.583 | | 11.581 | 27.12 | 31.541 | 35.860 | 0.394 | 1502.2 | 357. | 102.88 | 0.937 |
| 380. | 11.537 | 35.575 | | 11.488 | 27.13 | 31.553 | 35.875 | 0.414 | 1502.2 | 377. | 102.31 | 1.357 |
| 400. | 11.437 | 35.565 | | 11.385 | 27.14 | 31.567 | 35.890 | 0.435 | 1502.2 | 396. | 101.72 | 1.371 |
| 450. | 11.262 | 35.549 | | 11.205 | 27.17 | 31.592 | 35.919 | 0.485 | 1502.4 | 446. | 100.87 | 1.204 |
| 500. | 11.105 | 35.534 | | 11.042 | 27.18 | 31.613 | 35.944 | 0.535 | 1502.6 | 495. | 100.30 | 1.118 |
| 550. | 10.891 | 35.519 | | 10.822 | 27.21 | 31.647 | 35.982 | 0.585 | 1502.7 | 545. | 98.62 | 1.407 |
| 600. | 10.764 | 35.524 | | 10.689 | 27.24 | 31.677 | 36.015 | 0.634 | 1503.1 | 594. | 97.17 | 1.348 |
| 700. | 10.647 | 35.596 | | 10.560 | 27.32 | 31.759 | 36.099 | 0.729 | 1504.4 | 693. | 92.02 | 1.601 |
| 800. | 10.907 | 35.816 | | 10.805 | 27.45 | 31.880 | 36.213 | 0.817 | 1507.2 | 792. | 82.99 | 1.969 |
| 900. | 10.951 | 35.943 | | 10.836 | 27.54 | 31.971 | 36.303 | 0.897 | 1509.2 | 891. | 76.92 | 1.703 |
| 1000. | 10.368 | 35.904 | | 10.243 | 27.62 | 32.060 | 36.404 | 0.971 | 1508.8 | 990. | 71.19 | 1.665 |
| 1100. | 10.290 | 35.965 | | 10.153 | 27.68 | 32.124 | 36.470 | 1.041 | 1510.2 | 1089. | 67.56 | 1.429 |
| 1200. | 9.773 | 35.937 | | 9.627 | 27.75 | 32.205 | 36.562 | 1.105 | 1510.0 | 1187. | 62.22 | 1.613 |
| 1300. | 8.708 | 35.756 | | 8.559 | 27.78 | 32.263 | 36.644 | 1.166 | 1507.5 | 1286. | 58.44 | 1.422 |
| 1400. | 7.706 | 35.587 | | 7.556 | 27.80 | 32.307 | 36.711 | 1.223 | 1505.2 | 1384. | 55.52 | 1.288 |
| 1500. | 6.605 | 35.413 | | 6.455 | 27.82 | 32.351 | 36.782 | 1.276 | 1502.4 | 1483. | 52.00 | 1.335 |
| 1600. | 5.787 | 35.276 | | 5.635 | 27.82 | 32.370 | 36.822 | 1.327 | 1500.7 | 1581. | 50.69 | 0.981 |
| 1700. | 4.864 | 35.138 | | 4.713 | 27.82 | 32.396 | 36.870 | 1.377 | 1498.5 | 1680. | 48.25 | 1.131 |
| 1800. | 4.503 | 35.090 | | 4.348 | 27.82 | 32.408 | 36.892 | 1.425 | 1498.6 | 1778. | 47.60 | 0.788 |
| 1900. | 4.157 | 35.054 | | 3.997 | 27.83 | 32.427 | 36.920 | 1.471 | 1498.8 | 1877. | 46.26 | 0.910 |
| 2000. | 3.926 | 35.033 | | 3.759 | 27.84 | 32.440 | 36.940 | 1.517 | 1499.5 | 1975. | 45.46 | 0.787 |
| 2100. | 3.727 | 35.017 | | 3.553 | 27.85 | 32.454 | 36.959 | 1.562 | 1500.3 | 2073. | 44.66 | 0.777 |
| 2200. | 3.614 | 35.010 | | 3.432 | 27.85 | 32.463 | 36.972 | 1.607 | 1501.5 | 2171. | 44.37 | 0.648 |
| 2300. | 3.491 | 35.000 | | 3.301 | 27.86 | 32.472 | 36.984 | 1.651 | 1502.7 | 2270. | 44.07 | 0.644 |
| 2400. | 3.374 | 34.992 | | 3.176 | 27.86 | 32.481 | 36.996 | 1.695 | 1503.9 | 2368. | 43.72 | 0.648 |
| 2500. | 3.301 | 34.988 | | 3.095 | 27.87 | 32.488 | 37.005 | 1.739 | 1505.2 | 2466. | 43.67 | 0.556 |
| 2600. | 3.171 | 34.980 | | 2.958 | 27.87 | 32.497 | 37.018 | 1.782 | 1506.4 | 2564. | 43.08 | 0.700 |
| 2700. | 3.062 | 34.971 | | 2.841 | 27.88 | 32.505 | 37.029 | 1.825 | 1507.6 | 2662. | 42.75 | 0.625 |
| 2800. | 2.958 | 34.961 | | 2.728 | 27.88 | 32.510 | 37.037 | 1.868 | 1508.8 | 2760. | 42.55 | 0.580 |
| 2900. | 2.880 | 34.953 | | 2.642 | 27.88 | 32.514 | 37.043 | 1.910 | 1510.2 | 2858. | 42.60 | 0.495 |
| 3000. | 2.827 | 34.949 | | 2.579 | 27.88 | 32.518 | 37.049 | 1.953 | 1511.7 | 2955. | 42.69 | 0.476 |
| 3100. | 2.773 | 34.945 | | 2.516 | 27.88 | 32.521 | 37.054 | 1.995 | 1513.1 | 3053. | 42.77 | 0.476 |
| 3200. | 2.740 | 34.941 | | 2.474 | 27.88 | 32.523 | 37.057 | 2.038 | 1514.7 | 3151. | 43.12 | 0.360 |
| 3300. | 2.699 | 34.936 | | 2.423 | 27.89 | 32.525 | 37.061 | 2.082 | 1516.2 | 3249. | 43.33 | 0.419 |
| 3400. | 2.666 | 34.932 | | 2.380 | 27.89 | 32.527 | 37.063 | 2.125 | 1517.8 | 3346. | 43.66 | 0.365 |
| 3500. | 2.636 | 34.928 | | 2.340 | 27.89 | 32.528 | 37.066 | 2.169 | 1519.4 | 3444. | 44.00 | 0.358 |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2 SALIN PPT
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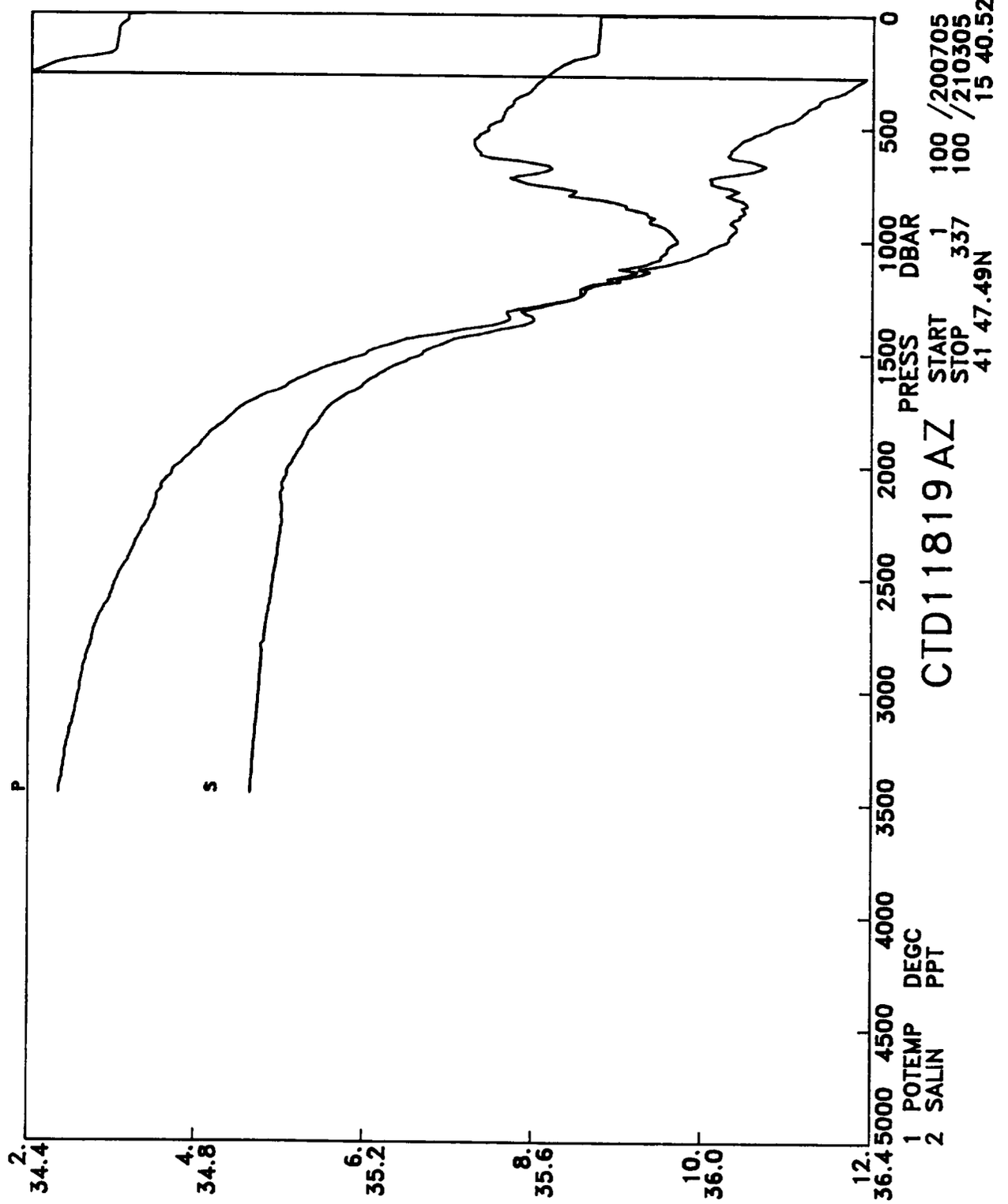
STOP 332 100 /130255
41 51.04N 14 47.05W

# DISCOVERY 181 STATION 11818

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 14.110 | 35.931 | | 14.108 | 26.88 | 31.250 | 35.520 | 0.012 | 1505.1 | 10. | 116.07 | -9.999 |
| 20. | 14.097 | 35.931 | | 14.094 | 26.89 | 31.255 | 35.524 | 0.023 | 1505.2 | 20. | 116.03 | 1.089 |
| 30. | 14.090 | 35.931 | | 14.086 | 26.89 | 31.256 | 35.526 | 0.035 | 1505.3 | 30. | 116.23 | 0.630 |
| 40. | 14.090 | 35.931 | | 14.084 | 26.89 | 31.256 | 35.526 | 0.046 | 1505.5 | 40. | 116.52 | 0.310 |
| 50. | 14.090 | 35.931 | | 14.083 | 26.89 | 31.256 | 35.526 | 0.058 | 1505.7 | 50. | 116.84 | 0.122 |
| 60. | 14.091 | 35.931 | | 14.083 | 26.89 | 31.257 | 35.527 | 0.070 | 1505.8 | 60. | 117.12 | 0.325 |
| 70. | 14.092 | 35.931 | | 14.082 | 26.89 | 31.257 | 35.527 | 0.081 | 1506.0 | 69. | 117.44 | 0.121 |
| 80. | 14.082 | 35.930 | | 14.070 | 26.89 | 31.259 | 35.529 | 0.093 | 1506.1 | 79. | 117.58 | 0.773 |
| 100. | 14.070 | 35.928 | | 14.055 | 26.89 | 31.261 | 35.532 | 0.117 | 1506.4 | 99. | 118.02 | 0.569 |
| 120. | 14.047 | 35.926 | | 14.030 | 26.90 | 31.265 | 35.536 | 0.140 | 1506.7 | 119. | 118.34 | 0.717 |
| 140. | 13.939 | 35.907 | | 13.919 | 26.91 | 31.276 | 35.549 | 0.164 | 1506.7 | 139. | 118.11 | 1.202 |
| 160. | 12.890 | 35.755 | | 12.868 | 27.01 | 31.396 | 35.690 | 0.187 | 1503.4 | 159. | 109.02 | 4.023 |
| 180. | 12.588 | 35.711 | | 12.564 | 27.03 | 31.429 | 35.729 | 0.208 | 1502.6 | 179. | 107.00 | 2.085 |
| 200. | 12.378 | 35.680 | | 12.351 | 27.05 | 31.452 | 35.756 | 0.230 | 1502.2 | 198. | 105.75 | 1.743 |
| 220. | 12.200 | 35.658 | | 12.171 | 27.07 | 31.474 | 35.781 | 0.251 | 1501.9 | 218. | 104.53 | 1.729 |
| 240. | 12.057 | 35.644 | | 12.025 | 27.09 | 31.494 | 35.804 | 0.271 | 1501.7 | 238. | 103.41 | 1.672 |
| 260. | 11.949 | 35.634 | | 11.915 | 27.10 | 31.509 | 35.822 | 0.292 | 1501.7 | 258. | 102.64 | 1.492 |
| 280. | 11.857 | 35.622 | | 11.820 | 27.11 | 31.520 | 35.835 | 0.312 | 1501.7 | 278. | 102.31 | 1.210 |
| 300. | 11.781 | 35.613 | | 11.742 | 27.12 | 31.530 | 35.846 | 0.333 | 1501.8 | 297. | 102.03 | 1.179 |
| 320. | 11.692 | 35.604 | | 11.651 | 27.13 | 31.542 | 35.860 | 0.353 | 1501.8 | 317. | 101.58 | 1.286 |
| 340. | 11.627 | 35.599 | | 11.583 | 27.13 | 31.552 | 35.872 | 0.374 | 1501.9 | 337. | 101.24 | 1.215 |
| 360. | 11.507 | 35.580 | | 11.460 | 27.14 | 31.563 | 35.885 | 0.394 | 1501.8 | 357. | 100.90 | 1.212 |
| 380. | 11.421 | 35.573 | | 11.372 | 27.15 | 31.576 | 35.900 | 0.414 | 1501.8 | 377. | 100.31 | 1.365 |
| 400. | 11.356 | 35.568 | | 11.305 | 27.16 | 31.586 | 35.911 | 0.434 | 1501.9 | 396. | 100.02 | 1.173 |
| 450. | 11.136 | 35.548 | | 11.079 | 27.19 | 31.617 | 35.947 | 0.484 | 1501.9 | 446. | 98.65 | 1.338 |
| 500. | 10.940 | 35.531 | | 10.877 | 27.21 | 31.645 | 35.979 | 0.533 | 1502.0 | 495. | 97.50 | 1.277 |
| 550. | 11.066 | 35.608 | | 10.996 | 27.25 | 31.680 | 36.011 | 0.581 | 1503.4 | 545. | 95.32 | 1.521 |
| 600. | 11.063 | 35.670 | | 10.987 | 27.30 | 31.730 | 36.061 | 0.628 | 1504.3 | 594. | 91.92 | 1.773 |
| 700. | 10.942 | 35.761 | | 10.853 | 27.40 | 31.827 | 36.160 | 0.717 | 1505.6 | 693. | 85.35 | 1.750 |
| 800. | 11.120 | 35.926 | | 11.017 | 27.49 | 31.921 | 36.250 | 0.798 | 1508.1 | 792. | 78.98 | 1.733 |
| 900. | 11.092 | 36.015 | | 10.976 | 27.57 | 31.998 | 36.327 | 0.875 | 1509.8 | 891. | 74.34 | 1.560 |
| 1000. | 10.736 | 36.026 | | 10.609 | 27.65 | 32.081 | 36.417 | 0.947 | 1510.2 | 990. | 69.18 | 1.612 |
| 1100. | 10.298 | 35.990 | | 10.160 | 27.70 | 32.142 | 36.487 | 1.015 | 1510.3 | 1089. | 65.89 | 1.394 |
| 1200. | 9.606 | 35.902 | | 9.462 | 27.75 | 32.209 | 36.569 | 1.078 | 1509.3 | 1187. | 61.78 | 1.477 |
| 1300. | 8.911 | 35.823 | | 8.760 | 27.80 | 32.278 | 36.654 | 1.138 | 1508.4 | 1286. | 57.18 | 1.517 |
| 1400. | 7.720 | 35.608 | | 7.569 | 27.82 | 32.321 | 36.725 | 1.194 | 1505.3 | 1384. | 54.24 | 1.294 |
| 1500. | 6.751 | 35.444 | | 6.599 | 27.82 | 32.353 | 36.780 | 1.247 | 1503.0 | 1483. | 52.01 | 1.163 |
| 1600. | 5.685 | 35.268 | | 5.535 | 27.82 | 32.379 | 36.833 | 1.298 | 1500.3 | 1581. | 49.76 | 1.132 |
| 1700. | 4.906 | 35.135 | | 4.755 | 27.81 | 32.387 | 36.861 | 1.347 | 1498.6 | 1680. | 49.09 | 0.823 |
| 1800. | 4.549 | 35.091 | | 4.393 | 27.82 | 32.402 | 36.885 | 1.396 | 1498.8 | 1778. | 48.23 | 0.833 |
| 1900. | 4.293 | 35.060 | | 4.131 | 27.82 | 32.413 | 36.903 | 1.444 | 1499.4 | 1877. | 47.77 | 0.730 |
| 2000. | 4.036 | 35.034 | | 3.868 | 27.83 | 32.428 | 36.924 | 1.491 | 1500.0 | 1975. | 46.90 | 0.809 |
| 2100. | 3.781 | 35.004 | | 3.606 | 27.83 | 32.437 | 36.941 | 1.538 | 1500.5 | 2073. | 46.36 | 0.722 |
| 2200. | 3.665 | 34.999 | | 3.483 | 27.84 | 32.449 | 36.956 | 1.584 | 1501.7 | 2171. | 45.85 | 0.706 |
| 2300. | 3.519 | 34.990 | | 3.329 | 27.85 | 32.460 | 36.971 | 1.629 | 1502.8 | 2270. | 45.24 | 0.721 |
| 2400. | 3.417 | 34.988 | | 3.219 | 27.86 | 32.473 | 36.987 | 1.674 | 1504.0 | 2368. | 44.61 | 0.720 |
| 2500. | 3.304 | 34.983 | | 3.098 | 27.86 | 32.483 | 37.001 | 1.718 | 1505.2 | 2466. | 44.08 | 0.691 |
| 2600. | 3.184 | 34.976 | | 2.970 | 27.87 | 32.493 | 37.014 | 1.762 | 1506.4 | 2564. | 43.54 | 0.687 |
| 2700. | 3.071 | 34.967 | | 2.850 | 27.87 | 32.501 | 37.024 | 1.806 | 1507.6 | 2662. | 43.16 | 0.638 |
| 2800. | 2.980 | 34.961 | | 2.750 | 27.88 | 32.508 | 37.034 | 1.849 | 1508.9 | 2760. | 42.88 | 0.604 |
| 2900. | 2.892 | 34.953 | | 2.654 | 27.88 | 32.512 | 37.042 | 1.891 | 1510.2 | 2858. | 42.76 | 0.553 |
| 3000. | 2.827 | 34.948 | | 2.579 | 27.88 | 32.517 | 37.048 | 1.934 | 1511.7 | 2955. | 42.73 | 0.519 |
| 3100. | 2.775 | 34.943 | | 2.519 | 27.88 | 32.520 | 37.053 | 1.977 | 1513.1 | 3053. | 42.88 | 0.450 |
| 3200. | 2.727 | 34.939 | | 2.461 | 27.88 | 32.523 | 37.057 | 2.020 | 1514.6 | 3151. | 43.05 | 0.436 |
| 3300. | 2.685 | 34.934 | | 2.409 | 27.89 | 32.525 | 37.061 | 2.063 | 1516.1 | 3249. | 43.26 | 0.417 |
| 3400. | 2.641 | 34.929 | | 2.356 | 27.89 | 32.527 | 37.064 | 2.106 | 1517.7 | 3346. | 43.49 | 0.407 |
| 3500. | 2.613 | 34.925 | | 2.318 | 27.89 | 32.528 | 37.066 | 2.150 | 1519.2 | 3444. | 43.88 | 0.330 |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1 POTEMP DEGC
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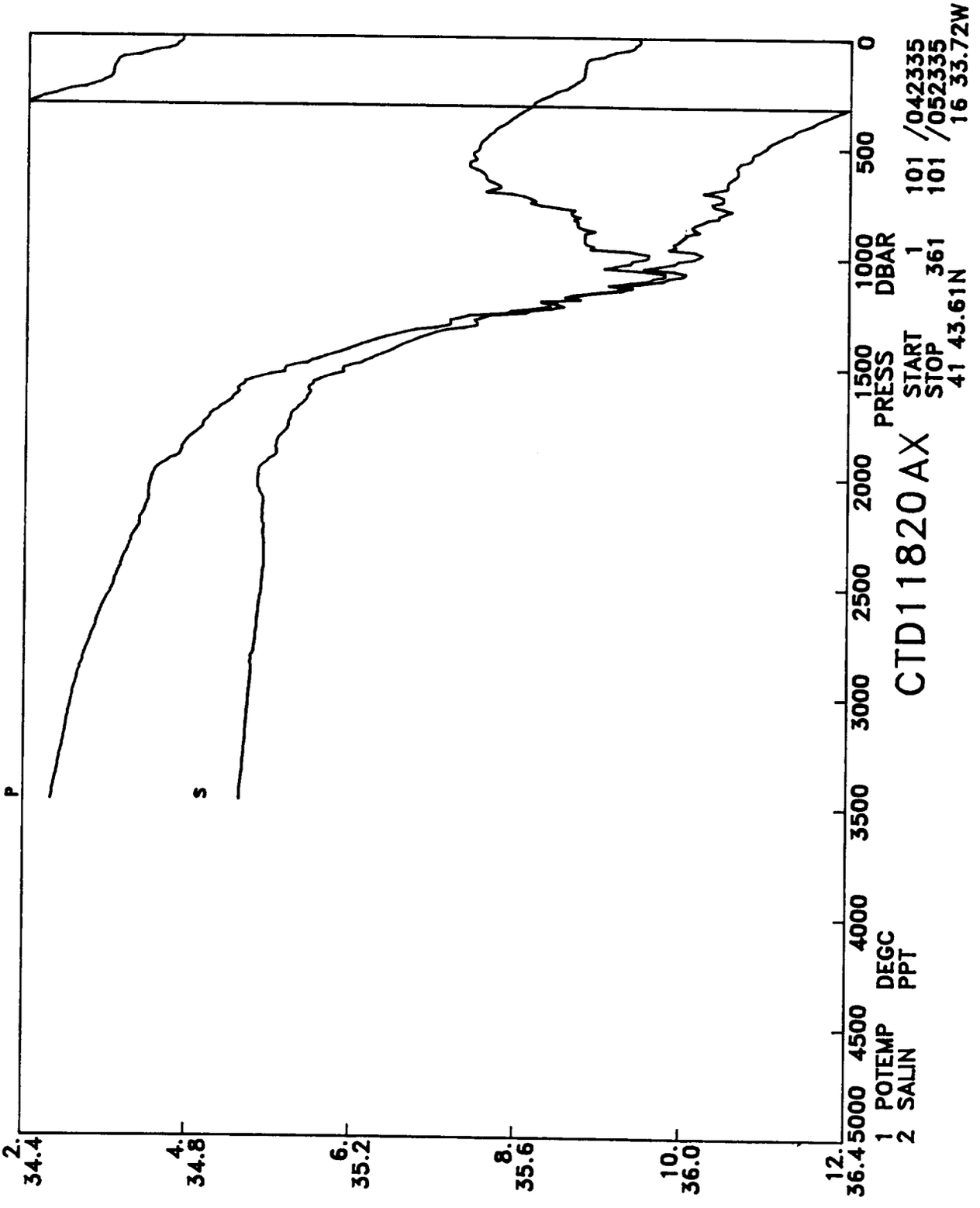
## DISCOVERY 181 STATION 11819

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 13.165 | 35.755 | | 13.164 | 26.95 | 31.331 | 35.619 | 0.026 | 1501.8 | 10. | 110.28 | -9.999 |
| 20. | 13.168 | 35.755 | | 13.165 | 26.95 | 31.330 | 35.618 | 0.037 | 1502.0 | 20. | 110.59 | -0.170 |
| 30. | 13.167 | 35.755 | | 13.163 | 26.95 | 31.331 | 35.619 | 0.049 | 1502.1 | 30. | 110.86 | 0.341 |
| 40. | 13.119 | 35.757 | | 13.113 | 26.96 | 31.343 | 35.633 | 0.060 | 1502.1 | 40. | 110.04 | 1.929 |
| 50. | 13.088 | 35.755 | | 13.081 | 26.96 | 31.350 | 35.639 | 0.071 | 1502.2 | 50. | 109.82 | 1.311 |
| 60. | 13.070 | 35.754 | | 13.062 | 26.97 | 31.352 | 35.642 | 0.082 | 1502.3 | 60. | 109.89 | 0.884 |
| 70. | 13.064 | 35.753 | | 13.055 | 26.97 | 31.353 | 35.644 | 0.093 | 1502.4 | 69. | 110.10 | 0.536 |
| 80. | 13.061 | 35.753 | | 13.049 | 26.97 | 31.354 | 35.645 | 0.104 | 1502.6 | 79. | 110.32 | 0.507 |
| 100. | 13.060 | 35.752 | | 13.046 | 26.97 | 31.354 | 35.645 | 0.126 | 1502.9 | 99. | 110.91 | 0.125 |
| 120. | 13.054 | 35.751 | | 13.037 | 26.97 | 31.356 | 35.646 | 0.148 | 1503.2 | 119. | 111.42 | 0.390 |
| 140. | 13.043 | 35.749 | | 13.024 | 26.97 | 31.357 | 35.648 | 0.170 | 1503.5 | 139. | 111.88 | 0.471 |
| 160. | 13.040 | 35.750 | | 13.017 | 26.97 | 31.359 | 35.650 | 0.193 | 1503.8 | 159. | 112.29 | 0.558 |
| 180. | 12.945 | 35.740 | | 12.920 | 26.98 | 31.373 | 35.666 | 0.215 | 1503.9 | 179. | 111.73 | 1.387 |
| 200. | 12.510 | 35.686 | | 12.483 | 27.03 | 31.428 | 35.729 | 0.237 | 1502.7 | 198. | 107.82 | 2.738 |
| 220. | 12.303 | 35.667 | | 12.274 | 27.05 | 31.458 | 35.764 | 0.258 | 1502.3 | 218. | 105.84 | 2.064 |
| 240. | 12.194 | 35.650 | | 12.162 | 27.06 | 31.469 | 35.777 | 0.280 | 1502.2 | 238. | 105.51 | 1.222 |
| 260. | 12.057 | 35.635 | | 12.023 | 27.08 | 31.487 | 35.798 | 0.301 | 1502.1 | 258. | 104.59 | 1.571 |
| 280. | 11.931 | 35.620 | | 11.895 | 27.09 | 31.503 | 35.816 | 0.321 | 1501.9 | 278. | 103.84 | 1.475 |
| 300. | 11.836 | 35.606 | | 11.797 | 27.10 | 31.513 | 35.828 | 0.342 | 1501.9 | 297. | 103.61 | 1.147 |
| 320. | 11.784 | 35.600 | | 11.742 | 27.10 | 31.519 | 35.836 | 0.363 | 1502.1 | 317. | 103.59 | 0.965 |
| 340. | 11.702 | 35.589 | | 11.658 | 27.11 | 31.529 | 35.847 | 0.384 | 1502.1 | 337. | 103.32 | 1.167 |
| 360. | 11.518 | 35.566 | | 11.472 | 27.13 | 31.550 | 35.872 | 0.404 | 1501.8 | 357. | 102.11 | 1.708 |
| 380. | 11.416 | 35.550 | | 11.367 | 27.14 | 31.559 | 35.883 | 0.425 | 1501.7 | 377. | 101.95 | 1.081 |
| 400. | 11.379 | 35.547 | | 11.327 | 27.14 | 31.565 | 35.890 | 0.445 | 1501.9 | 396. | 101.93 | 0.958 |
| 450. | 11.188 | 35.525 | | 11.131 | 27.16 | 31.589 | 35.918 | 0.496 | 1502.1 | 446. | 101.26 | 1.148 |
| 500. | 10.844 | 35.487 | | 10.782 | 27.19 | 31.630 | 35.966 | 0.546 | 1501.7 | 495. | 99.03 | 1.534 |
| 550. | 10.540 | 35.457 | | 10.472 | 27.23 | 31.668 | 36.011 | 0.595 | 1501.4 | 545. | 96.94 | 1.494 |
| 600. | 10.396 | 35.466 | | 10.323 | 27.26 | 31.705 | 36.051 | 0.643 | 1501.7 | 594. | 94.82 | 1.495 |
| 700. | 10.477 | 35.606 | | 10.391 | 27.36 | 31.800 | 36.143 | 0.735 | 1503.8 | 693. | 88.27 | 1.737 |
| 800. | 10.359 | 35.682 | | 10.261 | 27.44 | 31.884 | 36.230 | 0.821 | 1505.1 | 792. | 82.82 | 1.628 |
| 900. | 10.535 | 35.887 | | 10.422 | 27.57 | 32.011 | 36.352 | 0.899 | 1507.7 | 891. | 73.28 | 2.007 |
| 1000. | 10.414 | 35.942 | | 10.289 | 27.64 | 32.080 | 36.423 | 0.970 | 1509.0 | 990. | 69.31 | 1.472 |
| 1100. | 9.762 | 35.872 | | 9.629 | 27.70 | 32.154 | 36.511 | 1.037 | 1508.2 | 1089. | 64.66 | 1.540 |
| 1200. | 8.829 | 35.724 | | 8.691 | 27.74 | 32.214 | 36.592 | 1.100 | 1506.3 | 1187. | 60.97 | 1.412 |
| 1300. | 7.961 | 35.592 | | 7.819 | 27.77 | 32.266 | 36.664 | 1.160 | 1504.5 | 1286. | 57.68 | 1.340 |
| 1400. | 7.192 | 35.499 | | 7.047 | 27.81 | 32.324 | 36.740 | 1.216 | 1503.2 | 1384. | 53.50 | 1.427 |
| 1500. | 6.171 | 35.337 | | 6.026 | 27.82 | 32.360 | 36.801 | 1.267 | 1500.6 | 1483. | 50.73 | 1.222 |
| 1600. | 5.457 | 35.228 | | 5.310 | 27.82 | 32.381 | 36.841 | 1.317 | 1499.3 | 1581. | 49.21 | 1.003 |
| 1700. | 4.884 | 35.142 | | 4.734 | 27.82 | 32.396 | 36.870 | 1.366 | 1498.6 | 1680. | 48.25 | 0.873 |
| 1800. | 4.506 | 35.090 | | 4.351 | 27.82 | 32.407 | 36.892 | 1.414 | 1498.6 | 1778. | 47.68 | 0.772 |
| 1900. | 4.211 | 35.053 | | 4.050 | 27.82 | 32.418 | 36.910 | 1.461 | 1499.0 | 1877. | 47.14 | 0.748 |
| 2000. | 3.930 | 35.020 | | 3.763 | 27.83 | 32.430 | 36.929 | 1.508 | 1499.5 | 1975. | 46.43 | 0.769 |
| 2100. | 3.766 | 35.007 | | 3.592 | 27.83 | 32.442 | 36.946 | 1.554 | 1500.5 | 2073. | 45.88 | 0.723 |
| 2200. | 3.656 | 35.004 | | 3.474 | 27.84 | 32.454 | 36.961 | 1.600 | 1501.7 | 2171. | 45.38 | 0.701 |
| 2300. | 3.525 | 35.000 | | 3.335 | 27.85 | 32.468 | 36.979 | 1.645 | 1502.8 | 2270. | 44.58 | 0.767 |
| 2400. | 3.402 | 34.993 | | 3.204 | 27.86 | 32.478 | 36.992 | 1.689 | 1504.0 | 2368. | 44.07 | 0.690 |
| 2500. | 3.264 | 34.984 | | 3.059 | 27.87 | 32.489 | 37.007 | 1.733 | 1505.1 | 2466. | 43.46 | 0.710 |
| 2600. | 3.165 | 34.977 | | 2.952 | 27.87 | 32.496 | 37.017 | 1.776 | 1506.3 | 2564. | 43.20 | 0.609 |
| 2700. | 3.029 | 34.967 | | 2.808 | 27.88 | 32.505 | 37.030 | 1.819 | 1507.4 | 2662. | 42.56 | 0.704 |
| 2800. | 2.966 | 34.953 | | 2.736 | 27.87 | 32.503 | 37.029 | 1.861 | 1508.8 | 2760. | 43.28 | 0.152 |
| 2900. | 2.889 | 34.954 | | 2.651 | 27.88 | 32.513 | 37.043 | 1.904 | 1510.2 | 2858. | 42.65 | 0.690 |
| 3000. | 2.857 | 34.951 | | 2.609 | 27.88 | 32.516 | 37.046 | 1.947 | 1511.8 | 2955. | 42.98 | 0.381 |
| 3100. | 2.810 | 34.947 | | 2.553 | 27.88 | 32.519 | 37.051 | 1.990 | 1513.3 | 3053. | 43.15 | 0.446 |
| 3200. | 2.748 | 34.941 | | 2.481 | 27.88 | 32.522 | 37.056 | 2.033 | 1514.7 | 3151. | 43.23 | 0.473 |
| 3300. | 2.707 | 34.937 | | 2.431 | 27.89 | 32.525 | 37.060 | 2.076 | 1516.2 | 3249. | 43.43 | 0.424 |
| 3400. | 2.671 | 34.932 | | 2.385 | 27.89 | 32.527 | 37.063 | 2.120 | 1517.8 | 3346. | 43.72 | 0.385 |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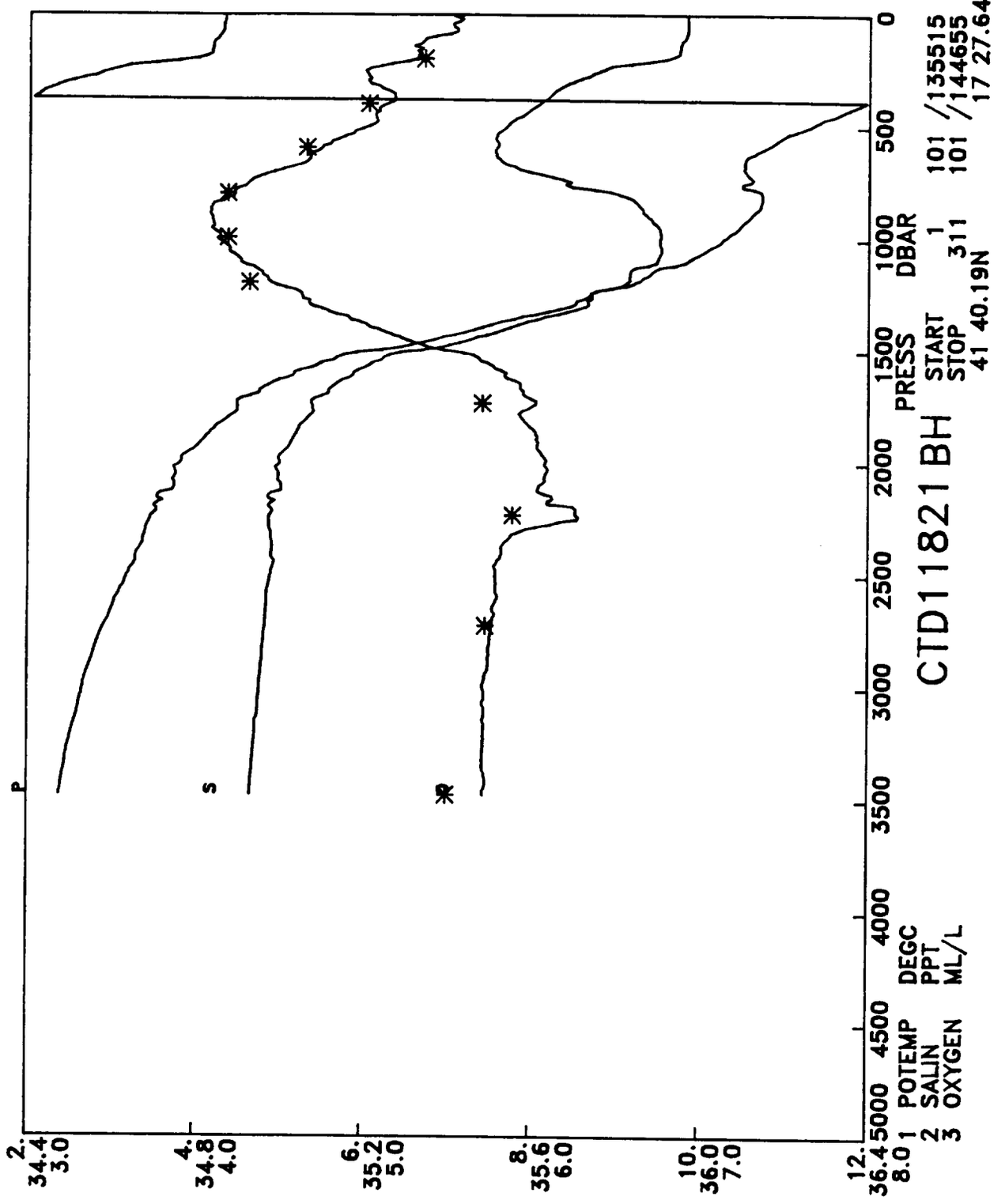
1 POTEMP DEGC
2 SALIN PPT
CTD11820AX
START 1 101 /042335
STOP 361 101 /052335
41 43.61N 16 33.72W

# DISCOVERY 181 STATION 11820

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 13.907 | 35.892 | | 13.906 | 26.90 | 31.267 | 35.541 | 0.064 | 1504.4 | 10. | 114.84 | -9.999 |
| 20. | 13.897 | 35.890 | | 13.895 | 26.90 | 31.268 | 35.542 | 0.076 | 1504.5 | 20. | 115.08 | 0.507 |
| 30. | 13.847 | 35.880 | | 13.843 | 26.90 | 31.273 | 35.547 | 0.087 | 1504.5 | 30. | 115.10 | 0.990 |
| 40. | 13.828 | 35.876 | | 13.822 | 26.90 | 31.275 | 35.550 | 0.099 | 1504.6 | 40. | 115.23 | 0.776 |
| 50. | 13.812 | 35.872 | | 13.805 | 26.90 | 31.276 | 35.551 | 0.110 | 1504.7 | 50. | 115.52 | 0.303 |
| 60. | 13.645 | 35.845 | | 13.637 | 26.92 | 31.293 | 35.572 | 0.122 | 1504.3 | 60. | 114.48 | 2.125 |
| 70. | 13.528 | 35.823 | | 13.519 | 26.93 | 31.303 | 35.584 | 0.133 | 1504.1 | 69. | 114.03 | 1.583 |
| 80. | 13.445 | 35.809 | | 13.434 | 26.93 | 31.312 | 35.594 | 0.144 | 1503.9 | 79. | 113.69 | 1.472 |
| 100. | 13.153 | 35.764 | | 13.139 | 26.96 | 31.343 | 35.632 | 0.167 | 1503.2 | 99. | 111.81 | 2.035 |
| 120. | 13.108 | 35.758 | | 13.091 | 26.96 | 31.349 | 35.639 | 0.189 | 1503.4 | 119. | 111.92 | 0.908 |
| 140. | 13.079 | 35.757 | | 13.060 | 26.97 | 31.355 | 35.645 | 0.212 | 1503.7 | 139. | 111.99 | 0.931 |
| 160. | 13.073 | 35.756 | | 13.051 | 26.97 | 31.357 | 35.647 | 0.234 | 1504.0 | 159. | 112.49 | 0.406 |
| 180. | 13.063 | 35.754 | | 13.038 | 26.97 | 31.358 | 35.648 | 0.257 | 1504.3 | 179. | 112.99 | 0.409 |
| 200. | 12.997 | 35.743 | | 12.970 | 26.98 | 31.365 | 35.656 | 0.279 | 1504.4 | 198. | 113.06 | 0.938 |
| 220. | 12.846 | 35.723 | | 12.815 | 26.99 | 31.383 | 35.678 | 0.302 | 1504.2 | 218. | 112.12 | 1.595 |
| 240. | 12.639 | 35.704 | | 12.606 | 27.02 | 31.414 | 35.713 | 0.324 | 1503.8 | 238. | 110.06 | 2.102 |
| 260. | 12.401 | 35.677 | | 12.366 | 27.04 | 31.446 | 35.749 | 0.346 | 1503.3 | 258. | 108.02 | 2.090 |
| 280. | 12.211 | 35.653 | | 12.174 | 27.06 | 31.469 | 35.777 | 0.368 | 1502.9 | 278. | 106.65 | 1.798 |
| 300. | 12.081 | 35.635 | | 12.041 | 27.08 | 31.483 | 35.794 | 0.389 | 1502.8 | 297. | 106.02 | 1.406 |
| 320. | 12.013 | 35.627 | | 11.971 | 27.08 | 31.492 | 35.804 | 0.410 | 1502.9 | 317. | 105.85 | 1.106 |
| 340. | 11.858 | 35.606 | | 11.813 | 27.10 | 31.510 | 35.825 | 0.431 | 1502.7 | 337. | 104.97 | 1.546 |
| 360. | 11.741 | 35.591 | | 11.694 | 27.11 | 31.523 | 35.840 | 0.452 | 1502.6 | 357. | 104.40 | 1.360 |
| 380. | 11.633 | 35.577 | | 11.584 | 27.12 | 31.535 | 35.854 | 0.473 | 1502.5 | 377. | 103.96 | 1.284 |
| 400. | 11.526 | 35.561 | | 11.475 | 27.12 | 31.545 | 35.867 | 0.494 | 1502.5 | 396. | 103.66 | 1.181 |
| 450. | 11.233 | 35.524 | | 11.176 | 27.15 | 31.579 | 35.907 | 0.545 | 1502.2 | 446. | 102.16 | 1.374 |
| 500. | 11.034 | 35.501 | | 10.971 | 27.17 | 31.603 | 35.935 | 0.596 | 1502.3 | 495. | 101.37 | 1.179 |
| 550. | 10.865 | 35.494 | | 10.797 | 27.20 | 31.633 | 35.969 | 0.646 | 1502.6 | 545. | 99.99 | 1.334 |
| 600. | 10.726 | 35.498 | | 10.651 | 27.23 | 31.664 | 36.003 | 0.696 | 1502.9 | 594. | 98.37 | 1.386 |
| 700. | 10.236 | 35.499 | | 10.151 | 27.32 | 31.765 | 36.114 | 0.791 | 1502.8 | 693. | 91.73 | 1.746 |
| 800. | 10.473 | 35.712 | | 10.373 | 27.44 | 31.885 | 36.228 | 0.878 | 1505.6 | 792. | 82.68 | 1.962 |
| 900. | 10.115 | 35.758 | | 10.005 | 27.54 | 31.993 | 36.343 | 0.956 | 1506.0 | 891. | 75.04 | 1.839 |
| 1000. | 10.270 | 35.914 | | 10.146 | 27.64 | 32.086 | 36.432 | 1.028 | 1508.4 | 990. | 68.70 | 1.715 |
| 1100. | 9.912 | 35.920 | | 9.778 | 27.71 | 32.163 | 36.517 | 1.095 | 1508.8 | 1089. | 63.86 | 1.561 |
| 1200. | 8.470 | 35.672 | | 8.335 | 27.75 | 32.237 | 36.623 | 1.156 | 1504.9 | 1187. | 58.64 | 1.582 |
| 1300. | 7.317 | 35.501 | | 7.182 | 27.79 | 32.303 | 36.716 | 1.212 | 1502.0 | 1286. | 53.76 | 1.516 |
| 1400. | 6.203 | 35.315 | | 6.068 | 27.79 | 32.336 | 36.777 | 1.265 | 1499.1 | 1384. | 51.44 | 1.160 |
| 1500. | 5.344 | 35.180 | | 5.208 | 27.79 | 32.358 | 36.821 | 1.315 | 1497.1 | 1483. | 49.86 | 1.011 |
| 1600. | 4.708 | 35.084 | | 4.570 | 27.79 | 32.373 | 36.852 | 1.365 | 1496.1 | 1581. | 48.90 | 0.868 |
| 1700. | 4.492 | 35.059 | | 4.347 | 27.80 | 32.384 | 36.868 | 1.413 | 1496.8 | 1680. | 48.71 | 0.676 |
| 1800. | 4.246 | 35.032 | | 4.095 | 27.80 | 32.396 | 36.887 | 1.462 | 1497.5 | 1778. | 48.22 | 0.734 |
| 1900. | 4.049 | 35.013 | | 3.891 | 27.81 | 32.408 | 36.904 | 1.510 | 1498.3 | 1877. | 47.75 | 0.719 |
| 2000. | 3.717 | 34.970 | | 3.553 | 27.81 | 32.417 | 36.922 | 1.557 | 1498.5 | 1975. | 47.11 | 0.743 |
| 2100. | 3.690 | 34.982 | | 3.517 | 27.82 | 32.431 | 36.938 | 1.604 | 1500.1 | 2073. | 46.61 | 0.701 |
| 2200. | 3.580 | 34.979 | | 3.399 | 27.83 | 32.443 | 36.953 | 1.650 | 1501.3 | 2171. | 46.10 | 0.700 |
| 2300. | 3.482 | 34.986 | | 3.293 | 27.85 | 32.462 | 36.974 | 1.696 | 1502.6 | 2270. | 44.96 | 0.835 |
| 2400. | 3.377 | 34.984 | | 3.179 | 27.86 | 32.474 | 36.989 | 1.741 | 1503.9 | 2368. | 44.33 | 0.717 |
| 2500. | 3.290 | 34.980 | | 3.084 | 27.86 | 32.482 | 37.000 | 1.785 | 1505.2 | 2466. | 44.12 | 0.606 |
| 2600. | 3.162 | 34.972 | | 2.949 | 27.87 | 32.492 | 37.013 | 1.829 | 1506.3 | 2564. | 43.52 | 0.699 |
| 2700. | 3.077 | 34.967 | | 2.856 | 27.87 | 32.499 | 37.023 | 1.872 | 1507.6 | 2662. | 43.30 | 0.594 |
| 2800. | 2.975 | 34.960 | | 2.745 | 27.88 | 32.507 | 37.034 | 1.915 | 1508.9 | 2760. | 42.89 | 0.641 |
| 2900. | 2.896 | 34.954 | | 2.657 | 27.88 | 32.513 | 37.042 | 1.958 | 1510.3 | 2858. | 42.75 | 0.559 |
| 3000. | 2.840 | 34.950 | | 2.593 | 27.88 | 32.517 | 37.047 | 2.001 | 1511.7 | 2956. | 42.84 | 0.475 |
| 3100. | 2.792 | 34.945 | | 2.535 | 27.88 | 32.520 | 37.052 | 2.044 | 1513.2 | 3053. | 43.00 | 0.448 |
| 3200. | 2.753 | 34.941 | | 2.486 | 27.88 | 32.522 | 37.055 | 2.087 | 1514.7 | 3151. | 43.30 | 0.388 |
| 3300. | 2.703 | 34.936 | | 2.427 | 27.89 | 32.525 | 37.060 | 2.130 | 1516.2 | 3249. | 43.41 | 0.461 |
| 3400. | 2.657 | 34.931 | | 2.371 | 27.89 | 32.527 | 37.063 | 2.174 | 1517.7 | 3346. | 43.62 | 0.414 |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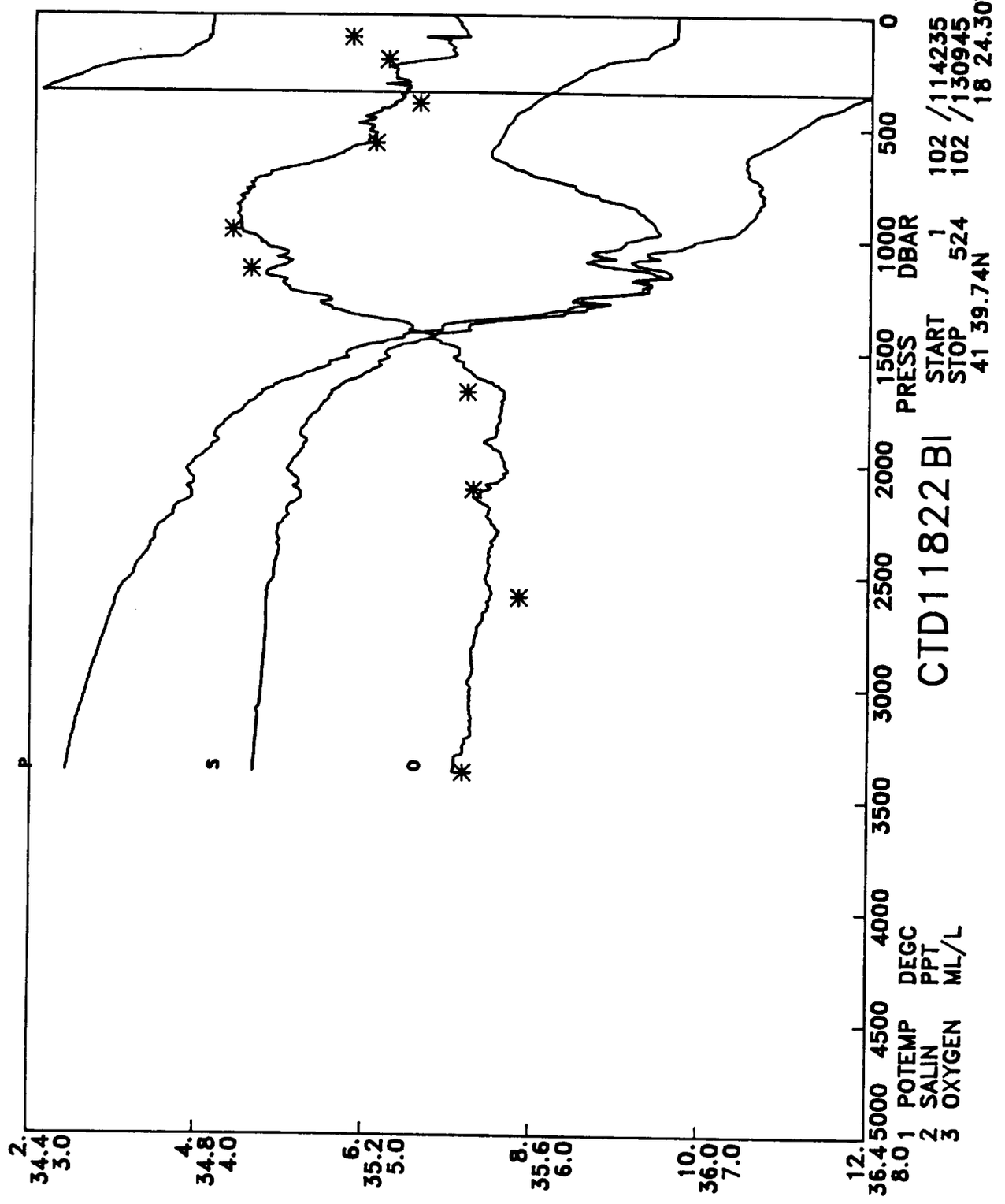
PRESS DBAR
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
CTD11821BH
START 1 101 /135515
STOP 311 101 /144655
41 40.19N 17 27.64W

# DISCOVERY 181 STATION 11821

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 14.340 | 35.969 | 5.53 | 14.338 | 26.86 | 31.226 | 35.492 | 0.012 | 1505.9 | 10. | 117.94 | -9.999 |
| 20. | 14.345 | 35.969 | 5.63 | 14.342 | 26.86 | 31.225 | 35.490 | 0.024 | 1506.0 | 20. | 118.35 | -0.547 |
| 30. | 14.337 | 35.968 | 5.54 | 14.333 | 26.87 | 31.227 | 35.492 | 0.035 | 1506.2 | 30. | 118.55 | 0.645 |
| 40. | 14.329 | 35.968 | 5.47 | 14.323 | 26.87 | 31.230 | 35.495 | 0.047 | 1506.3 | 40. | 118.63 | 0.901 |
| 50. | 14.329 | 35.969 | 5.56 | 14.322 | 26.87 | 31.230 | 35.495 | 0.059 | 1506.5 | 50. | 118.92 | 0.310 |
| 60. | 14.330 | 35.968 | 5.59 | 14.321 | 26.87 | 31.230 | 35.495 | 0.071 | 1506.7 | 60. | 119.26 | -0.219 |
| 70. | 14.325 | 35.968 | 5.56 | 14.315 | 26.87 | 31.231 | 35.497 | 0.083 | 1506.8 | 69. | 119.47 | 0.619 |
| 80. | 14.324 | 35.968 | 5.54 | 14.312 | 26.87 | 31.232 | 35.498 | 0.095 | 1507.0 | 79. | 119.71 | 0.516 |
| 100. | 14.282 | 35.962 | 5.45 | 14.267 | 26.87 | 31.238 | 35.504 | 0.119 | 1507.2 | 99. | 119.87 | 0.898 |
| 120. | 14.227 | 35.954 | 5.33 | 14.210 | 26.88 | 31.245 | 35.513 | 0.143 | 1507.3 | 119. | 119.90 | 1.009 |
| 140. | 14.212 | 35.951 | 5.34 | 14.192 | 26.88 | 31.247 | 35.515 | 0.167 | 1507.6 | 139. | 120.42 | 0.446 |
| 160. | 14.206 | 35.948 | 5.32 | 14.182 | 26.88 | 31.247 | 35.515 | 0.191 | 1507.9 | 159. | 121.06 | -0.089 |
| 180. | 14.195 | 35.945 | 5.32 | 14.168 | 26.88 | 31.248 | 35.516 | 0.215 | 1508.2 | 179. | 121.63 | 0.353 |
| 200. | 13.990 | 35.909 | 5.32 | 13.960 | 26.90 | 31.268 | 35.541 | 0.240 | 1507.8 | 198. | 120.64 | 1.641 |
| 220. | 13.524 | 35.831 | 5.14 | 13.493 | 26.94 | 31.315 | 35.597 | 0.263 | 1506.5 | 218. | 117.55 | 2.491 |
| 240. | 13.112 | 35.774 | 5.04 | 13.079 | 26.98 | 31.364 | 35.654 | 0.286 | 1505.4 | 238. | 114.08 | 2.607 |
| 260. | 12.920 | 35.747 | 5.02 | 12.884 | 27.00 | 31.387 | 35.680 | 0.309 | 1505.1 | 258. | 112.86 | 1.740 |
| 280. | 12.744 | 35.723 | 5.01 | 12.706 | 27.01 | 31.407 | 35.704 | 0.332 | 1504.8 | 278. | 111.75 | 1.684 |
| 300. | 12.515 | 35.693 | 5.00 | 12.475 | 27.04 | 31.435 | 35.736 | 0.354 | 1504.3 | 297. | 110.03 | 1.957 |
| 320. | 12.347 | 35.670 | 5.13 | 12.303 | 27.05 | 31.454 | 35.759 | 0.376 | 1504.1 | 317. | 108.98 | 1.648 |
| 340. | 12.225 | 35.654 | 5.17 | 12.179 | 27.06 | 31.469 | 35.776 | 0.398 | 1504.0 | 337. | 108.36 | 1.406 |
| 360. | 12.156 | 35.643 | 5.17 | 12.108 | 27.07 | 31.475 | 35.784 | 0.419 | 1504.1 | 357. | 108.40 | 0.931 |
| 380. | 12.041 | 35.630 | 5.21 | 11.990 | 27.08 | 31.490 | 35.801 | 0.441 | 1504.0 | 377. | 107.69 | 1.453 |
| 400. | 11.930 | 35.615 | 5.13 | 11.877 | 27.09 | 31.503 | 35.816 | 0.462 | 1503.9 | 396. | 107.17 | 1.338 |
| 450. | 11.647 | 35.580 | 5.06 | 11.589 | 27.12 | 31.536 | 35.856 | 0.516 | 1503.7 | 446. | 105.71 | 1.374 |
| 500. | 11.350 | 35.541 | 5.03 | 11.286 | 27.14 | 31.569 | 35.895 | 0.568 | 1503.5 | 495. | 104.26 | 1.362 |
| 550. | 11.011 | 35.512 | 4.83 | 10.941 | 27.19 | 31.617 | 35.950 | 0.619 | 1503.1 | 545. | 101.31 | 1.686 |
| 600. | 10.811 | 35.514 | 4.72 | 10.736 | 27.22 | 31.660 | 35.997 | 0.669 | 1503.2 | 594. | 98.70 | 1.612 |
| 700. | 10.634 | 35.602 | 4.44 | 10.547 | 27.33 | 31.766 | 36.106 | 0.764 | 1504.4 | 693. | 91.38 | 1.814 |
| 800. | 10.830 | 35.812 | 4.23 | 10.729 | 27.46 | 31.891 | 36.226 | 0.851 | 1507.0 | 792. | 81.92 | 2.004 |
| 900. | 10.699 | 35.880 | 4.10 | 10.586 | 27.54 | 31.973 | 36.310 | 0.930 | 1508.2 | 891. | 76.84 | 1.598 |
| 1000. | 10.381 | 35.903 | 4.12 | 10.256 | 27.61 | 32.056 | 36.400 | 1.004 | 1508.8 | 990. | 71.50 | 1.623 |
| 1100. | 9.965 | 35.898 | 4.25 | 9.831 | 27.68 | 32.135 | 36.488 | 1.073 | 1509.0 | 1089. | 66.46 | 1.583 |
| 1200. | 9.317 | 35.818 | 4.48 | 9.175 | 27.73 | 32.198 | 36.565 | 1.137 | 1508.2 | 1187. | 62.66 | 1.433 |
| 1300. | 8.593 | 35.727 | 4.70 | 8.446 | 27.78 | 32.260 | 36.644 | 1.198 | 1507.1 | 1286. | 58.61 | 1.446 |
| 1400. | 7.505 | 35.541 | 5.08 | 7.356 | 27.79 | 32.304 | 36.714 | 1.255 | 1504.4 | 1384. | 55.58 | 1.297 |
| 1500. | 6.197 | 35.311 | 5.54 | 6.052 | 27.79 | 32.335 | 36.776 | 1.309 | 1500.7 | 1483. | 53.08 | 1.189 |
| 1600. | 5.316 | 35.176 | 5.86 | 5.170 | 27.80 | 32.361 | 36.824 | 1.361 | 1498.7 | 1581. | 50.92 | 1.103 |
| 1700. | 4.792 | 35.100 | 5.97 | 4.643 | 27.80 | 32.376 | 36.853 | 1.411 | 1498.1 | 1680. | 49.97 | 0.866 |
| 1800. | 4.531 | 35.067 | 5.95 | 4.375 | 27.80 | 32.386 | 36.870 | 1.461 | 1498.7 | 1778. | 49.72 | 0.694 |
| 1900. | 4.240 | 35.029 | 6.05 | 4.078 | 27.80 | 32.396 | 36.887 | 1.511 | 1499.1 | 1877. | 49.27 | 0.729 |
| 2000. | 3.996 | 35.002 | 6.08 | 3.829 | 27.81 | 32.407 | 36.905 | 1.560 | 1499.7 | 1975. | 48.67 | 0.746 |
| 2100. | 3.922 | 35.005 | 6.05 | 3.745 | 27.82 | 32.420 | 36.920 | 1.608 | 1501.1 | 2073. | 48.29 | 0.685 |
| 2200. | 3.700 | 34.973 | 6.26 | 3.517 | 27.81 | 32.424 | 36.931 | 1.656 | 1501.8 | 2171. | 48.21 | 0.598 |
| 2300. | 3.586 | 34.978 | 5.96 | 3.395 | 27.83 | 32.443 | 36.953 | 1.704 | 1503.0 | 2270. | 47.01 | 0.852 |
| 2400. | 3.492 | 34.982 | 5.83 | 3.293 | 27.84 | 32.458 | 36.971 | 1.751 | 1504.3 | 2368. | 46.18 | 0.769 |
| 2500. | 3.394 | 34.980 | 5.78 | 3.186 | 27.85 | 32.470 | 36.985 | 1.796 | 1505.6 | 2466. | 45.62 | 0.701 |
| 2600. | 3.267 | 34.971 | 5.80 | 3.052 | 27.86 | 32.479 | 36.998 | 1.842 | 1506.8 | 2564. | 45.11 | 0.683 |
| 2700. | 3.179 | 34.968 | 5.77 | 2.956 | 27.86 | 32.489 | 37.010 | 1.887 | 1508.1 | 2662. | 44.70 | 0.653 |
| 2800. | 3.061 | 34.962 | 5.76 | 2.829 | 27.87 | 32.499 | 37.023 | 1.931 | 1509.3 | 2760. | 44.01 | 0.717 |
| 2900. | 2.981 | 34.958 | 5.74 | 2.741 | 27.88 | 32.506 | 37.033 | 1.975 | 1510.6 | 2858. | 43.73 | 0.604 |
| 3000. | 2.910 | 34.954 | 5.72 | 2.661 | 27.88 | 32.512 | 37.041 | 2.018 | 1512.0 | 2956. | 43.61 | 0.555 |
| 3100. | 2.861 | 34.950 | 5.72 | 2.602 | 27.88 | 32.516 | 37.046 | 2.062 | 1513.5 | 3053. | 43.72 | 0.470 |
| 3200. | 2.792 | 34.944 | 5.73 | 2.525 | 27.88 | 32.520 | 37.052 | 2.106 | 1514.9 | 3151. | 43.69 | 0.517 |
| 3300. | 2.739 | 34.938 | 5.72 | 2.462 | 27.88 | 32.523 | 37.057 | 2.150 | 1516.4 | 3249. | 43.80 | 0.460 |
| 3400. | 2.704 | 34.935 | 5.73 | 2.417 | 27.89 | 32.525 | 37.061 | 2.194 | 1517.9 | 3347. | 44.04 | 0.409 |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2 SALIN PPT
3 OXYGEN ML/L
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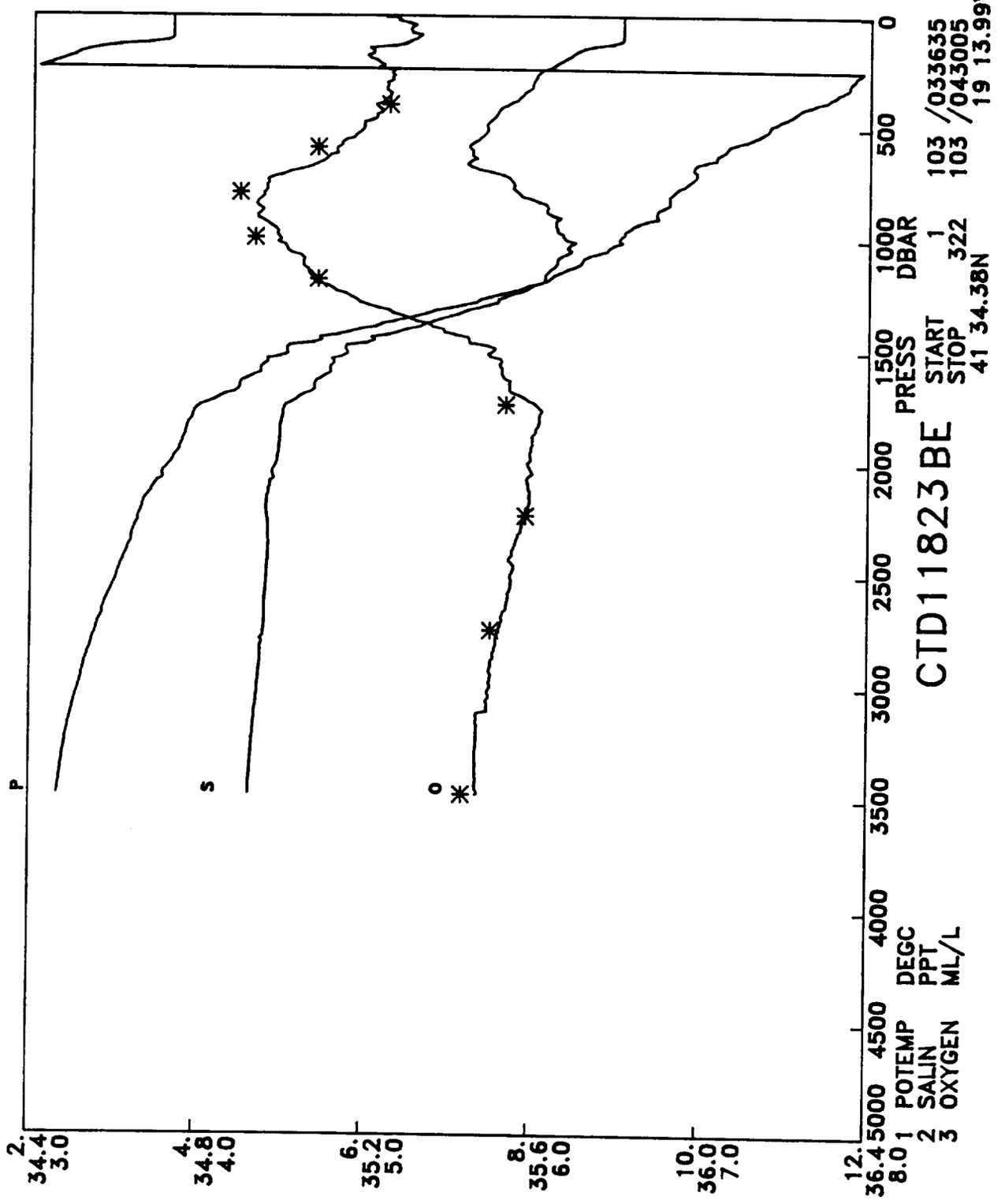
START 1 102 /114235
STOP 524 102 /130945
41 39.74N 18 24.30W

# DISCOVERY 181 STATION 11822

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 14.150 | 35.938 | 5.51 | 14.148 | 26.88 | 31.247 | 35.516 | 0.012 | 1505.2 | 10. | 116.30 | -9.999 |
| 20. | 14.150 | 35.939 | 5.53 | 14.147 | 26.88 | 31.248 | 35.517 | 0.023 | 1505.4 | 20. | 116.58 | 0.347 |
| 30. | 14.147 | 35.938 | 5.56 | 14.142 | 26.88 | 31.248 | 35.517 | 0.035 | 1505.5 | 30. | 116.87 | 0.304 |
| 40. | 14.141 | 35.937 | 5.55 | 14.135 | 26.88 | 31.250 | 35.519 | 0.047 | 1505.7 | 40. | 117.06 | 0.670 |
| 50. | 14.136 | 35.937 | 5.57 | 14.129 | 26.88 | 31.251 | 35.520 | 0.058 | 1505.8 | 50. | 117.30 | 0.521 |
| 60. | 14.136 | 35.937 | 5.56 | 14.127 | 26.88 | 31.251 | 35.520 | 0.070 | 1506.0 | 60. | 117.61 | 0.157 |
| 70. | 14.138 | 35.937 | 5.55 | 14.128 | 26.88 | 31.251 | 35.520 | 0.082 | 1506.2 | 69. | 117.93 | -0.072 |
| 80. | 14.140 | 35.937 | 5.61 | 14.129 | 26.89 | 31.251 | 35.520 | 0.094 | 1506.3 | 79. | 118.24 | 0.119 |
| 100. | 14.136 | 35.936 | 5.52 | 14.122 | 26.89 | 31.251 | 35.521 | 0.117 | 1506.7 | 99. | 118.84 | 0.259 |
| 120. | 14.080 | 35.921 | 5.44 | 14.062 | 26.89 | 31.254 | 35.524 | 0.141 | 1506.8 | 119. | 119.36 | 0.441 |
| 140. | 13.935 | 35.889 | 5.54 | 13.914 | 26.89 | 31.263 | 35.537 | 0.165 | 1506.6 | 139. | 119.31 | 1.072 |
| 160. | 13.876 | 35.874 | 5.53 | 13.853 | 26.89 | 31.266 | 35.541 | 0.189 | 1506.7 | 159. | 119.77 | 0.528 |
| 180. | 13.836 | 35.868 | 5.50 | 13.810 | 26.90 | 31.271 | 35.547 | 0.213 | 1506.9 | 179. | 119.99 | 0.820 |
| 200. | 13.263 | 35.790 | 5.26 | 13.235 | 26.96 | 31.342 | 35.628 | 0.237 | 1505.3 | 198. | 114.79 | 3.114 |
| 220. | 13.006 | 35.761 | 5.21 | 12.976 | 26.99 | 31.377 | 35.668 | 0.259 | 1504.7 | 218. | 112.47 | 2.206 |
| 240. | 12.769 | 35.725 | 5.17 | 12.736 | 27.01 | 31.402 | 35.699 | 0.282 | 1504.2 | 238. | 111.00 | 1.852 |
| 260. | 12.652 | 35.712 | 5.17 | 12.617 | 27.02 | 31.419 | 35.717 | 0.304 | 1504.2 | 258. | 110.21 | 1.518 |
| 280. | 12.549 | 35.697 | 5.21 | 12.511 | 27.03 | 31.430 | 35.731 | 0.326 | 1504.1 | 278. | 109.86 | 1.242 |
| 300. | 12.370 | 35.674 | 5.22 | 12.329 | 27.05 | 31.452 | 35.756 | 0.348 | 1503.8 | 297. | 108.65 | 1.723 |
| 320. | 12.216 | 35.654 | 5.25 | 12.173 | 27.06 | 31.469 | 35.777 | 0.369 | 1503.6 | 317. | 107.74 | 1.572 |
| 340. | 12.122 | 35.640 | 5.22 | 12.077 | 27.07 | 31.480 | 35.789 | 0.391 | 1503.6 | 337. | 107.44 | 1.195 |
| 360. | 11.963 | 35.619 | 5.22 | 11.915 | 27.09 | 31.498 | 35.810 | 0.412 | 1503.4 | 357. | 106.52 | 1.571 |
| 380. | 11.817 | 35.601 | 5.20 | 11.767 | 27.10 | 31.515 | 35.831 | 0.433 | 1503.2 | 377. | 105.61 | 1.563 |
| 400. | 11.722 | 35.588 | 5.18 | 11.670 | 27.11 | 31.526 | 35.843 | 0.454 | 1503.2 | 396. | 105.27 | 1.215 |
| 450. | 11.381 | 35.551 | 5.02 | 11.323 | 27.15 | 31.569 | 35.894 | 0.506 | 1502.8 | 446. | 102.91 | 1.573 |
| 500. | 11.171 | 35.530 | 5.04 | 11.108 | 27.17 | 31.597 | 35.927 | 0.557 | 1502.9 | 495. | 101.77 | 1.280 |
| 550. | 10.983 | 35.519 | 5.04 | 10.914 | 27.20 | 31.628 | 35.961 | 0.608 | 1503.0 | 545. | 100.35 | 1.344 |
| 600. | 10.745 | 35.497 | 4.88 | 10.671 | 27.22 | 31.660 | 35.999 | 0.658 | 1503.0 | 594. | 98.76 | 1.383 |
| 700. | 10.635 | 35.584 | 4.43 | 10.548 | 27.31 | 31.752 | 36.092 | 0.754 | 1504.3 | 693. | 92.69 | 1.694 |
| 800. | 10.836 | 35.746 | 4.30 | 10.735 | 27.40 | 31.839 | 36.174 | 0.843 | 1506.9 | 792. | 86.85 | 1.673 |
| 900. | 10.711 | 35.868 | 4.24 | 10.597 | 27.53 | 31.961 | 36.299 | 0.925 | 1508.3 | 891. | 77.91 | 1.963 |
| 1000. | 10.069 | 35.827 | 4.37 | 9.946 | 27.61 | 32.058 | 36.409 | 0.999 | 1507.6 | 990. | 71.33 | 1.742 |
| 1100. | 9.323 | 35.741 | 4.51 | 9.194 | 27.67 | 32.135 | 36.502 | 1.068 | 1506.5 | 1089. | 66.36 | 1.565 |
| 1200. | 9.518 | 35.882 | 4.51 | 9.375 | 27.75 | 32.210 | 36.572 | 1.132 | 1509.0 | 1187. | 61.66 | 1.531 |
| 1300. | 8.557 | 35.726 | 4.77 | 8.409 | 27.78 | 32.266 | 36.651 | 1.192 | 1506.9 | 1286. | 58.00 | 1.402 |
| 1400. | 7.056 | 35.449 | 5.27 | 6.912 | 27.79 | 32.307 | 36.727 | 1.249 | 1502.6 | 1384. | 54.95 | 1.293 |
| 1500. | 5.922 | 35.246 | 5.53 | 5.780 | 27.78 | 32.326 | 36.774 | 1.303 | 1499.5 | 1483. | 53.59 | 1.001 |
| 1600. | 5.418 | 35.195 | 5.65 | 5.272 | 27.80 | 32.361 | 36.822 | 1.355 | 1499.1 | 1581. | 51.03 | 1.158 |
| 1700. | 4.855 | 35.111 | 5.83 | 4.705 | 27.80 | 32.375 | 36.851 | 1.406 | 1498.4 | 1680. | 50.10 | 0.868 |
| 1800. | 4.518 | 35.064 | 5.81 | 4.363 | 27.80 | 32.386 | 36.870 | 1.455 | 1498.6 | 1778. | 49.71 | 0.728 |
| 1900. | 4.405 | 35.061 | 5.72 | 4.241 | 27.81 | 32.399 | 36.886 | 1.505 | 1499.8 | 1877. | 49.34 | 0.714 |
| 2000. | 4.101 | 35.023 | 5.83 | 3.932 | 27.81 | 32.410 | 36.906 | 1.554 | 1500.2 | 1975. | 48.64 | 0.774 |
| 2100. | 4.063 | 35.031 | 5.74 | 3.884 | 27.82 | 32.423 | 36.919 | 1.602 | 1501.7 | 2073. | 48.40 | 0.661 |
| 2200. | 3.897 | 35.012 | 5.75 | 3.711 | 27.83 | 32.430 | 36.931 | 1.651 | 1502.7 | 2171. | 48.26 | 0.625 |
| 2300. | 3.685 | 34.990 | 5.80 | 3.492 | 27.83 | 32.440 | 36.947 | 1.699 | 1503.5 | 2270. | 47.61 | 0.741 |
| 2400. | 3.586 | 34.992 | 5.73 | 3.385 | 27.84 | 32.456 | 36.965 | 1.746 | 1504.7 | 2368. | 46.75 | 0.780 |
| 2500. | 3.433 | 34.984 | 5.72 | 3.225 | 27.85 | 32.469 | 36.983 | 1.792 | 1505.8 | 2466. | 45.88 | 0.778 |
| 2600. | 3.238 | 34.966 | 5.75 | 3.024 | 27.86 | 32.479 | 36.998 | 1.837 | 1506.6 | 2564. | 45.05 | 0.758 |
| 2700. | 3.161 | 34.964 | 5.70 | 2.938 | 27.86 | 32.488 | 37.009 | 1.882 | 1508.0 | 2662. | 44.71 | 0.633 |
| 2800. | 3.076 | 34.962 | 5.65 | 2.845 | 27.87 | 32.497 | 37.021 | 1.927 | 1509.3 | 2760. | 44.26 | 0.657 |
| 2900. | 2.999 | 34.958 | 5.64 | 2.758 | 27.87 | 32.504 | 37.031 | 1.971 | 1510.7 | 2858. | 44.00 | 0.599 |
| 3000. | 2.925 | 34.955 | 5.63 | 2.675 | 27.88 | 32.511 | 37.039 | 2.015 | 1512.1 | 2956. | 43.77 | 0.587 |
| 3100. | 2.850 | 34.945 | 5.62 | 2.592 | 27.88 | 32.513 | 37.044 | 2.058 | 1513.4 | 3053. | 43.89 | 0.466 |
| 3200. | 2.789 | 34.943 | 5.64 | 2.522 | 27.88 | 32.520 | 37.052 | 2.102 | 1514.9 | 3151. | 43.67 | 0.577 |
| 3300. | 2.734 | 34.939 | 5.59 | 2.458 | 27.88 | 32.524 | 37.058 | 2.146 | 1516.4 | 3249. | 43.70 | 0.491 |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2 SALIN PPT
3 OXYGEN ML/L
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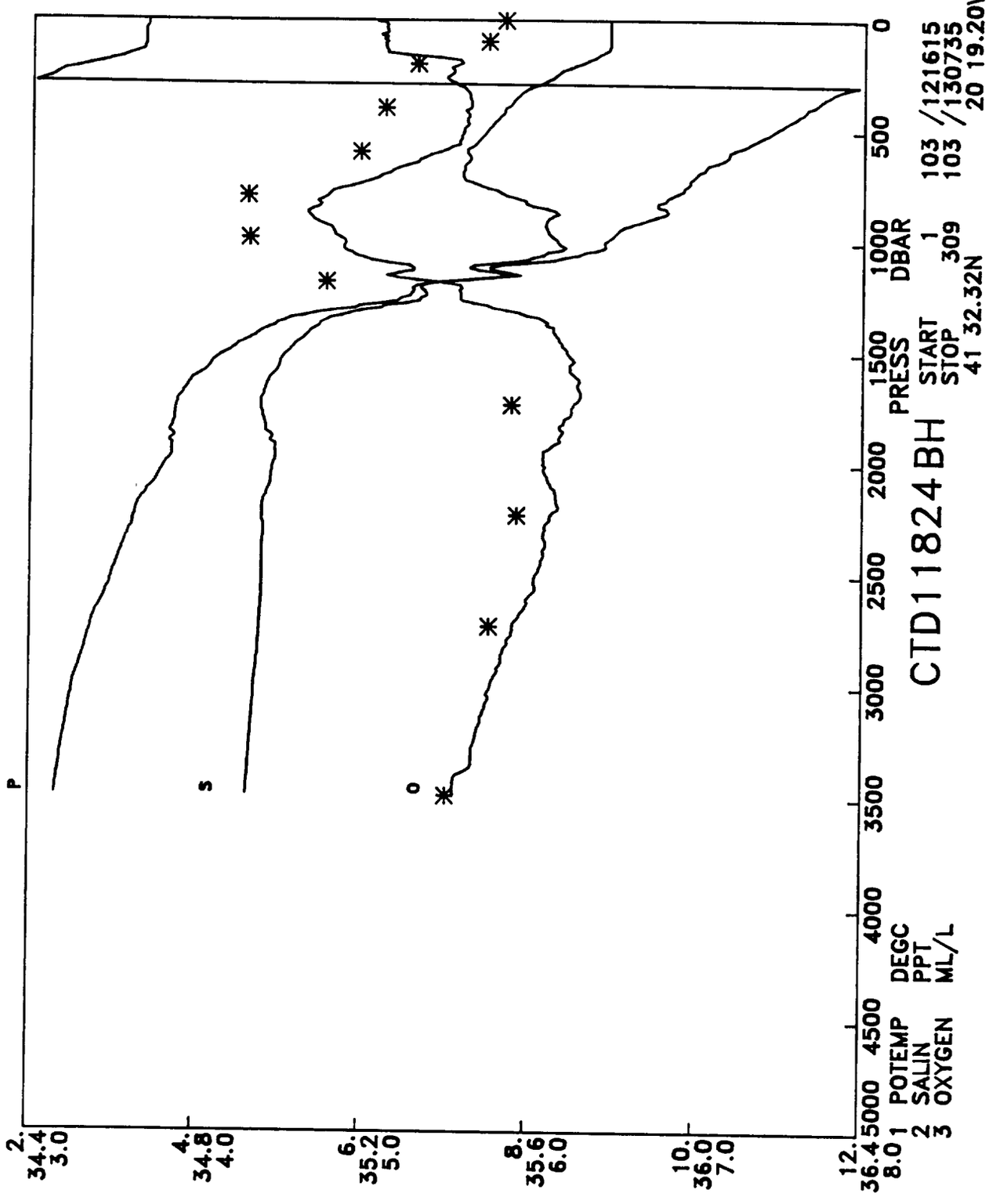
3.0 4.0 5.0 6.0 7.0 8.0

# DISCOVERY 181 STATION 11823

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMAQ KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 13.690 | 35.812 | 5.18 | 13.688 | 26.88 | 31.256 | 35.534 | 0.012 | 1503.6 | 10. | 116.35 | -9.999 |
| 20. | 13.691 | 35.813 | 5.22 | 13.689 | 26.88 | 31.257 | 35.535 | 0.023 | 1503.7 | 20. | 116.59 | 0.471 |
| 30. | 13.692 | 35.812 | 5.25 | 13.688 | 26.88 | 31.257 | 35.535 | 0.035 | 1503.9 | 30. | 116.93 | -0.303 |
| 40. | 13.694 | 35.812 | 5.29 | 13.688 | 26.88 | 31.256 | 35.534 | 0.047 | 1504.1 | 40. | 117.26 | -0.250 |
| 50. | 13.695 | 35.812 | 5.29 | 13.688 | 26.88 | 31.256 | 35.534 | 0.058 | 1504.3 | 50. | 117.57 | 0.072 |
| 60. | 13.695 | 35.812 | 5.24 | 13.687 | 26.88 | 31.257 | 35.535 | 0.070 | 1504.4 | 60. | 117.87 | 0.196 |
| 70. | 13.696 | 35.812 | 5.20 | 13.686 | 26.88 | 31.256 | 35.535 | 0.082 | 1504.6 | 69. | 118.19 | -0.207 |
| 80. | 13.698 | 35.812 | 5.32 | 13.687 | 26.88 | 31.257 | 35.535 | 0.094 | 1504.8 | 79. | 118.49 | 0.195 |
| 100. | 13.682 | 35.811 | 5.30 | 13.667 | 26.88 | 31.260 | 35.538 | 0.118 | 1505.0 | 99. | 118.82 | 0.694 |
| 120. | 13.463 | 35.788 | 5.26 | 13.446 | 26.91 | 31.293 | 35.575 | 0.141 | 1504.6 | 119. | 116.70 | 2.137 |
| 140. | 12.901 | 35.726 | 5.02 | 12.882 | 26.98 | 31.371 | 35.665 | 0.164 | 1503.0 | 139. | 110.80 | 3.293 |
| 160. | 12.605 | 35.697 | 5.01 | 12.583 | 27.02 | 31.414 | 35.714 | 0.186 | 1502.3 | 159. | 107.79 | 2.448 |
| 180. | 12.501 | 35.685 | 5.05 | 12.477 | 27.03 | 31.428 | 35.729 | 0.207 | 1502.3 | 179. | 107.25 | 1.370 |
| 200. | 12.364 | 35.668 | 5.05 | 12.337 | 27.04 | 31.445 | 35.749 | 0.229 | 1502.2 | 198. | 106.41 | 1.534 |
| 220. | 12.167 | 35.645 | 5.11 | 12.138 | 27.06 | 31.471 | 35.779 | 0.250 | 1501.8 | 218. | 104.86 | 1.878 |
| 240. | 11.951 | 35.619 | 5.17 | 11.920 | 27.09 | 31.497 | 35.810 | 0.270 | 1501.4 | 238. | 103.27 | 1.891 |
| 260. | 11.867 | 35.608 | 5.16 | 11.833 | 27.09 | 31.506 | 35.821 | 0.291 | 1501.4 | 258. | 103.06 | 1.133 |
| 280. | 11.831 | 35.603 | 5.15 | 11.795 | 27.10 | 31.511 | 35.826 | 0.312 | 1501.6 | 278. | 103.22 | 0.800 |
| 300. | 11.785 | 35.598 | 5.15 | 11.746 | 27.10 | 31.517 | 35.833 | 0.332 | 1501.7 | 297. | 103.27 | 0.914 |
| 320. | 11.768 | 35.595 | 5.12 | 11.726 | 27.10 | 31.519 | 35.836 | 0.353 | 1502.0 | 317. | 103.66 | 0.500 |
| 340. | 11.646 | 35.578 | 5.14 | 11.602 | 27.11 | 31.532 | 35.851 | 0.374 | 1501.9 | 337. | 103.16 | 1.320 |
| 360. | 11.571 | 35.568 | 5.15 | 11.525 | 27.12 | 31.540 | 35.861 | 0.394 | 1502.0 | 357. | 103.00 | 1.083 |
| 380. | 11.441 | 35.551 | 5.06 | 11.393 | 27.13 | 31.554 | 35.878 | 0.415 | 1501.8 | 377. | 102.34 | 1.410 |
| 400. | 11.279 | 35.529 | 5.05 | 11.228 | 27.15 | 31.571 | 35.898 | 0.435 | 1501.6 | 396. | 101.46 | 1.533 |
| 450. | 11.062 | 35.507 | 5.07 | 11.005 | 27.17 | 31.600 | 35.932 | 0.486 | 1501.6 | 446. | 100.32 | 1.278 |
| 500. | 10.855 | 35.491 | 4.94 | 10.792 | 27.20 | 31.631 | 35.967 | 0.536 | 1501.7 | 495. | 98.90 | 1.342 |
| 550. | 10.619 | 35.471 | 4.87 | 10.551 | 27.22 | 31.663 | 36.004 | 0.585 | 1501.7 | 545. | 97.33 | 1.375 |
| 600. | 10.333 | 35.454 | 4.79 | 10.260 | 27.26 | 31.708 | 36.055 | 0.633 | 1501.5 | 594. | 94.61 | 1.625 |
| 700. | 10.024 | 35.505 | 4.52 | 9.940 | 27.36 | 31.810 | 36.163 | 0.724 | 1502.1 | 693. | 87.61 | 1.775 |
| 800. | 9.735 | 35.575 | 4.37 | 9.640 | 27.46 | 31.922 | 36.281 | 0.807 | 1502.8 | 792. | 79.53 | 1.869 |
| 900. | 9.605 | 35.669 | 4.35 | 9.499 | 27.56 | 32.021 | 36.383 | 0.883 | 1504.1 | 891. | 72.51 | 1.769 |
| 1000. | 9.127 | 35.682 | 4.51 | 9.011 | 27.65 | 32.122 | 36.494 | 0.951 | 1504.0 | 990. | 65.31 | 1.782 |
| 1100. | 8.701 | 35.657 | 4.64 | 8.576 | 27.70 | 32.183 | 36.564 | 1.014 | 1504.1 | 1089. | 61.73 | 1.388 |
| 1200. | 8.103 | 35.605 | 4.77 | 7.972 | 27.75 | 32.249 | 36.644 | 1.074 | 1503.4 | 1187. | 57.34 | 1.473 |
| 1300. | 7.160 | 35.471 | 5.07 | 7.026 | 27.79 | 32.305 | 36.722 | 1.130 | 1501.3 | 1286. | 53.48 | 1.389 |
| 1400. | 6.039 | 35.293 | 5.46 | 5.906 | 27.80 | 32.343 | 36.788 | 1.182 | 1498.4 | 1384. | 50.59 | 1.237 |
| 1500. | 5.209 | 35.157 | 5.77 | 5.075 | 27.79 | 32.359 | 36.825 | 1.232 | 1496.6 | 1483. | 49.64 | 0.892 |
| 1600. | 4.834 | 35.109 | 5.80 | 4.694 | 27.80 | 32.375 | 36.851 | 1.281 | 1496.6 | 1581. | 48.90 | 0.823 |
| 1700. | 4.414 | 35.043 | 5.95 | 4.270 | 27.79 | 32.381 | 36.868 | 1.330 | 1496.5 | 1680. | 48.83 | 0.647 |
| 1800. | 4.079 | 35.002 | 6.03 | 3.930 | 27.80 | 32.394 | 36.890 | 1.378 | 1496.7 | 1778. | 48.06 | 0.790 |
| 1900. | 3.974 | 34.996 | 6.00 | 3.816 | 27.80 | 32.404 | 36.903 | 1.426 | 1498.0 | 1877. | 47.92 | 0.630 |
| 2000. | 3.836 | 34.989 | 5.96 | 3.671 | 27.81 | 32.417 | 36.919 | 1.474 | 1499.1 | 1975. | 47.37 | 0.722 |
| 2100. | 3.667 | 34.976 | 5.97 | 3.495 | 27.82 | 32.429 | 36.936 | 1.521 | 1500.0 | 2073. | 46.78 | 0.725 |
| 2200. | 3.512 | 34.966 | 5.98 | 3.333 | 27.83 | 32.441 | 36.952 | 1.567 | 1501.0 | 2171. | 46.09 | 0.740 |
| 2300. | 3.422 | 34.971 | 5.93 | 3.234 | 27.84 | 32.457 | 36.971 | 1.613 | 1502.3 | 2270. | 45.22 | 0.773 |
| 2400. | 3.341 | 34.971 | 5.88 | 3.145 | 27.85 | 32.468 | 36.984 | 1.658 | 1503.7 | 2368. | 44.80 | 0.664 |
| 2500. | 3.247 | 34.967 | 5.88 | 3.042 | 27.86 | 32.478 | 36.996 | 1.702 | 1505.0 | 2466. | 44.38 | 0.658 |
| 2600. | 3.140 | 34.964 | 5.87 | 2.927 | 27.86 | 32.489 | 37.010 | 1.746 | 1506.2 | 2564. | 43.77 | 0.699 |
| 2700. | 3.052 | 34.962 | 5.83 | 2.831 | 27.87 | 32.499 | 37.023 | 1.790 | 1507.5 | 2662. | 43.23 | 0.679 |
| 2800. | 2.970 | 34.958 | 5.79 | 2.740 | 27.88 | 32.506 | 37.033 | 1.833 | 1508.9 | 2760. | 42.96 | 0.602 |
| 2900. | 2.889 | 34.952 | 5.76 | 2.651 | 27.88 | 32.512 | 37.041 | 1.876 | 1510.2 | 2858. | 42.82 | 0.557 |
| 3000. | 2.837 | 34.947 | 5.75 | 2.590 | 27.88 | 32.515 | 37.046 | 1.919 | 1511.7 | 2956. | 42.96 | 0.456 |
| 3100. | 2.769 | 34.942 | 5.74 | 2.512 | 27.88 | 32.519 | 37.052 | 1.962 | 1513.1 | 3053. | 42.91 | 0.521 |
| 3200. | 2.719 | 34.937 | 5.68 | 2.453 | 27.88 | 32.523 | 37.057 | 2.005 | 1514.6 | 3151. | 43.01 | 0.464 |
| 3300. | 2.682 | 34.934 | 5.67 | 2.406 | 27.89 | 32.525 | 37.061 | 2.048 | 1516.1 | 3249. | 43.23 | 0.414 |
| 3400. | 2.655 | 34.930 | 5.67 | 2.369 | 27.89 | 32.526 | 37.063 | 2.091 | 1517.7 | 3347. | 43.64 | 0.319 |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PRESS
DBAR
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
CTD11824BH
START 103 /121615
STOP 103 /130735
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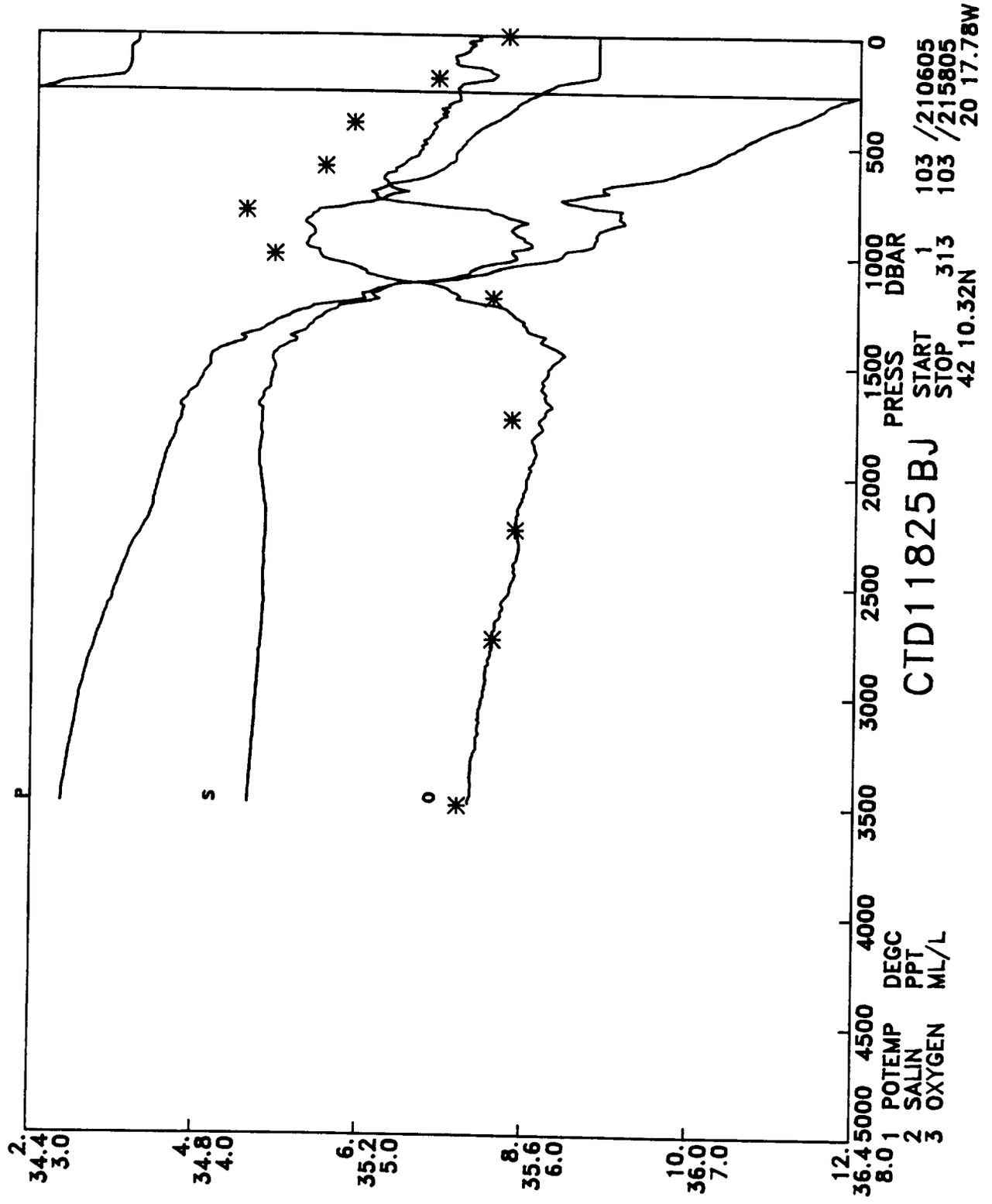
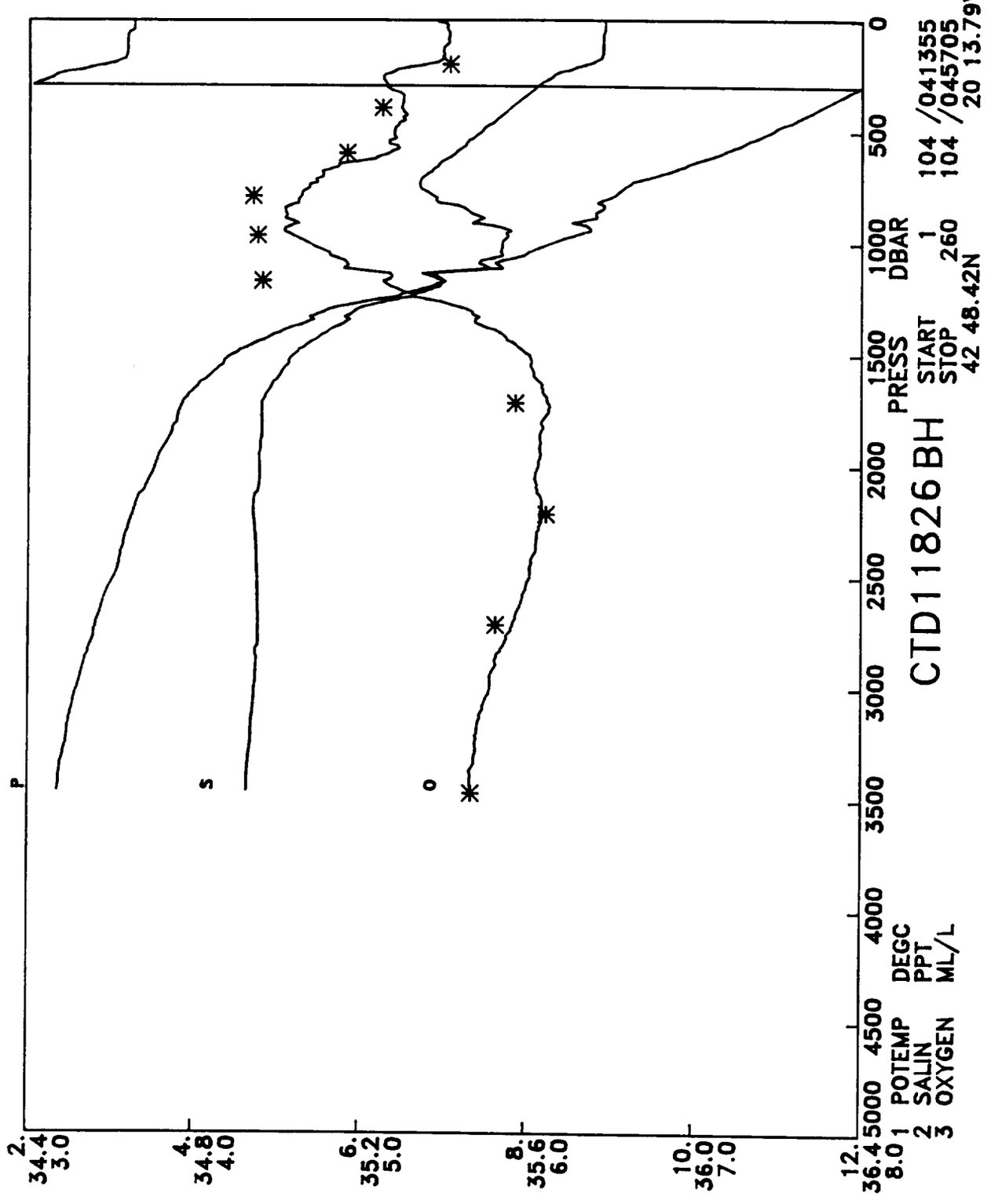
# DISCOVERY 181 STATION 11824

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 13.409 | 35.790 | 5.12 | 13.408 | 26.92 | 31.303 | 35.586 | 0.011 | 1502.6 | 10. | 112.45 | -9.999 |
| 20. | 13.403 | 35.790 | 5.16 | 13.400 | 26.92 | 31.304 | 35.588 | 0.022 | 1502.8 | 20. | 112.60 | 0.715 |
| 30. | 13.398 | 35.790 | 5.15 | 13.393 | 26.93 | 31.306 | 35.590 | 0.034 | 1502.9 | 30. | 112.76 | 0.705 |
| 40. | 13.375 | 35.790 | 5.13 | 13.370 | 26.93 | 31.312 | 35.596 | 0.045 | 1503.0 | 40. | 112.57 | 1.280 |
| 50. | 13.372 | 35.791 | 5.14 | 13.365 | 26.93 | 31.313 | 35.597 | 0.056 | 1503.2 | 50. | 112.78 | 0.573 |
| 60. | 13.376 | 35.791 | 5.16 | 13.368 | 26.93 | 31.312 | 35.596 | 0.068 | 1503.4 | 60. | 113.14 | -0.429 |
| 70. | 13.377 | 35.790 | 5.12 | 13.367 | 26.93 | 31.312 | 35.596 | 0.079 | 1503.5 | 69. | 113.47 | -0.259 |
| 80. | 13.377 | 35.790 | 5.14 | 13.366 | 26.93 | 31.312 | 35.596 | 0.090 | 1503.7 | 79. | 113.75 | 0.287 |
| 100. | 13.379 | 35.791 | 5.11 | 13.365 | 26.93 | 31.313 | 35.597 | 0.113 | 1504.0 | 99. | 114.31 | 0.269 |
| 120. | 13.374 | 35.789 | 5.14 | 13.357 | 26.93 | 31.313 | 35.597 | 0.136 | 1504.3 | 119. | 114.90 | 0.171 |
| 140. | 13.324 | 35.782 | 5.16 | 13.305 | 26.94 | 31.320 | 35.605 | 0.159 | 1504.5 | 139. | 114.96 | 0.963 |
| 160. | 13.173 | 35.763 | 5.32 | 13.151 | 26.95 | 31.340 | 35.628 | 0.182 | 1504.3 | 159. | 113.94 | 1.641 |
| 180. | 12.976 | 35.739 | 5.58 | 12.951 | 26.98 | 31.365 | 35.658 | 0.205 | 1504.0 | 179. | 112.40 | 1.887 |
| 200. | 12.709 | 35.708 | 5.57 | 12.682 | 27.01 | 31.401 | 35.699 | 0.227 | 1503.4 | 198. | 110.02 | 2.226 |
| 220. | 12.430 | 35.681 | 5.53 | 12.401 | 27.04 | 31.442 | 35.745 | 0.249 | 1502.7 | 218. | 107.20 | 2.383 |
| 240. | 12.343 | 35.666 | 5.54 | 12.311 | 27.05 | 31.449 | 35.754 | 0.270 | 1502.7 | 238. | 107.19 | 0.979 |
| 260. | 12.260 | 35.654 | 5.47 | 12.225 | 27.05 | 31.459 | 35.765 | 0.292 | 1502.8 | 258. | 107.01 | 1.123 |
| 280. | 12.090 | 35.632 | 5.55 | 12.053 | 27.07 | 31.479 | 35.789 | 0.313 | 1502.5 | 278. | 105.91 | 1.660 |
| 300. | 11.850 | 35.602 | 5.60 | 11.810 | 27.09 | 31.507 | 35.822 | 0.334 | 1502.0 | 297. | 104.17 | 1.960 |
| 320. | 11.693 | 35.582 | 5.64 | 11.652 | 27.11 | 31.524 | 35.843 | 0.355 | 1501.7 | 317. | 103.23 | 1.571 |
| 340. | 11.618 | 35.572 | 5.64 | 11.574 | 27.12 | 31.533 | 35.853 | 0.375 | 1501.8 | 337. | 103.05 | 1.100 |
| 360. | 11.524 | 35.561 | 5.64 | 11.477 | 27.12 | 31.545 | 35.866 | 0.396 | 1501.8 | 357. | 102.64 | 1.260 |
| 380. | 11.476 | 35.554 | 5.66 | 11.427 | 27.13 | 31.550 | 35.873 | 0.416 | 1502.0 | 377. | 102.72 | 0.868 |
| 400. | 11.353 | 35.539 | 5.62 | 11.302 | 27.14 | 31.564 | 35.890 | 0.437 | 1501.8 | 396. | 102.05 | 1.418 |
| 450. | 11.174 | 35.519 | 5.62 | 11.116 | 27.16 | 31.587 | 35.916 | 0.488 | 1502.0 | 446. | 101.44 | 1.133 |
| 500. | 10.964 | 35.496 | 5.56 | 10.901 | 27.18 | 31.613 | 35.946 | 0.538 | 1502.1 | 496. | 100.52 | 1.215 |
| 550. | 10.714 | 35.470 | 5.60 | 10.646 | 27.21 | 31.644 | 35.983 | 0.588 | 1502.0 | 545. | 99.05 | 1.351 |
| 600. | 10.444 | 35.451 | 5.40 | 10.371 | 27.24 | 31.684 | 36.029 | 0.637 | 1501.9 | 594. | 96.79 | 1.531 |
| 700. | 10.054 | 35.440 | 5.10 | 9.970 | 27.30 | 31.753 | 36.106 | 0.732 | 1502.1 | 693. | 92.92 | 1.449 |
| 800. | 9.729 | 35.575 | 4.75 | 9.634 | 27.46 | 31.923 | 36.282 | 0.819 | 1502.8 | 792. | 79.41 | 2.306 |
| 900. | 9.451 | 35.639 | 4.71 | 9.345 | 27.56 | 32.027 | 36.392 | 0.895 | 1503.5 | 891. | 71.97 | 1.807 |
| 1000. | 9.006 | 35.671 | 4.91 | 8.891 | 27.66 | 32.136 | 36.510 | 0.962 | 1503.5 | 990. | 64.01 | 1.850 |
| 1100. | 7.766 | 35.471 | 5.27 | 7.649 | 27.70 | 32.201 | 36.604 | 1.025 | 1500.3 | 1089. | 59.83 | 1.445 |
| 1200. | 6.714 | 35.338 | 5.59 | 6.595 | 27.74 | 32.271 | 36.699 | 1.082 | 1497.8 | 1187. | 54.66 | 1.530 |
| 1300. | 5.799 | 35.212 | 5.82 | 5.679 | 27.76 | 32.314 | 36.764 | 1.135 | 1495.7 | 1286. | 51.69 | 1.236 |
| 1400. | 4.883 | 35.071 | 6.16 | 4.762 | 27.76 | 32.336 | 36.810 | 1.186 | 1493.5 | 1384. | 50.17 | 0.983 |
| 1500. | 4.422 | 35.011 | 6.24 | 4.297 | 27.76 | 32.353 | 36.839 | 1.236 | 1493.2 | 1483. | 49.27 | 0.837 |
| 1600. | 4.128 | 34.980 | 6.29 | 3.997 | 27.77 | 32.368 | 36.862 | 1.285 | 1493.6 | 1581. | 48.52 | 0.785 |
| 1700. | 3.914 | 34.956 | 6.29 | 3.777 | 27.77 | 32.377 | 36.877 | 1.333 | 1494.3 | 1680. | 48.30 | 0.649 |
| 1800. | 3.881 | 34.965 | 6.21 | 3.734 | 27.79 | 32.390 | 36.891 | 1.382 | 1495.9 | 1778. | 48.06 | 0.646 |
| 1900. | 3.875 | 34.988 | 6.19 | 3.719 | 27.81 | 32.410 | 36.911 | 1.429 | 1497.5 | 1877. | 47.13 | 0.807 |
| 2000. | 3.778 | 34.983 | 6.09 | 3.613 | 27.81 | 32.420 | 36.924 | 1.476 | 1498.8 | 1975. | 46.96 | 0.621 |
| 2100. | 3.618 | 34.975 | 6.14 | 3.446 | 27.82 | 32.435 | 36.943 | 1.523 | 1499.8 | 2073. | 46.11 | 0.782 |
| 2200. | 3.448 | 34.960 | 6.18 | 3.270 | 27.83 | 32.444 | 36.957 | 1.569 | 1500.8 | 2171. | 45.63 | 0.685 |
| 2300. | 3.372 | 34.962 | 6.10 | 3.184 | 27.84 | 32.456 | 36.971 | 1.614 | 1502.1 | 2270. | 45.12 | 0.688 |
| 2400. | 3.276 | 34.959 | 6.10 | 3.081 | 27.85 | 32.467 | 36.985 | 1.659 | 1503.4 | 2368. | 44.67 | 0.668 |
| 2500. | 3.190 | 34.959 | 6.05 | 2.987 | 27.85 | 32.477 | 36.998 | 1.704 | 1504.7 | 2466. | 44.20 | 0.668 |
| 2600. | 3.102 | 34.959 | 6.00 | 2.890 | 27.86 | 32.489 | 37.012 | 1.748 | 1506.0 | 2564. | 43.57 | 0.701 |
| 2700. | 2.972 | 34.955 | 5.93 | 2.753 | 27.87 | 32.502 | 37.029 | 1.791 | 1507.2 | 2662. | 42.60 | 0.778 |
| 2800. | 2.909 | 34.952 | 5.87 | 2.680 | 27.88 | 32.508 | 37.036 | 1.833 | 1508.6 | 2760. | 42.53 | 0.535 |
| 2900. | -9.999 | -9.999 | -9.99 | -9.999 | -10.00 | -9.999 | -9.999 | -9.999 | -999.9 | 2858. | -10.00 | -9.999 |
| 3000. | 2.767 | 34.942 | 5.77 | 2.521 | 27.88 | 32.518 | 37.051 | 1.918 | 1511.4 | 2956. | 42.31 | 0.541 |
| 3100. | 2.732 | 34.939 | 5.74 | 2.476 | 27.88 | 32.521 | 37.055 | 1.960 | 1512.9 | 3053. | 42.56 | 0.406 |
| 3200. | 2.693 | 34.935 | 5.69 | 2.428 | 27.88 | 32.524 | 37.059 | 2.003 | 1514.5 | 3151. | 42.80 | 0.406 |
| 3300. | 2.652 | 34.931 | 5.66 | 2.378 | 27.89 | 32.526 | 37.063 | 2.046 | 1516.0 | 3249. | 42.98 | 0.425 |
| 3400. | 2.629 | 34.928 | 5.58 | 2.344 | 27.89 | 32.528 | 37.065 | 2.089 | 1517.6 | 3347. | 43.37 | 0.330 |


CTD11825BJ
START 103 /210605
STOP 103 /215805
42 10.32N 20 17.78W
PRESS 1 313
DBAR
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000
P
S
O
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
2. 4. 6. 8. 10. 12.
34.4 34.8 35.2 35.6 36.0 36.4
3.0 4.0 5.0 6.0 7.0 8.0

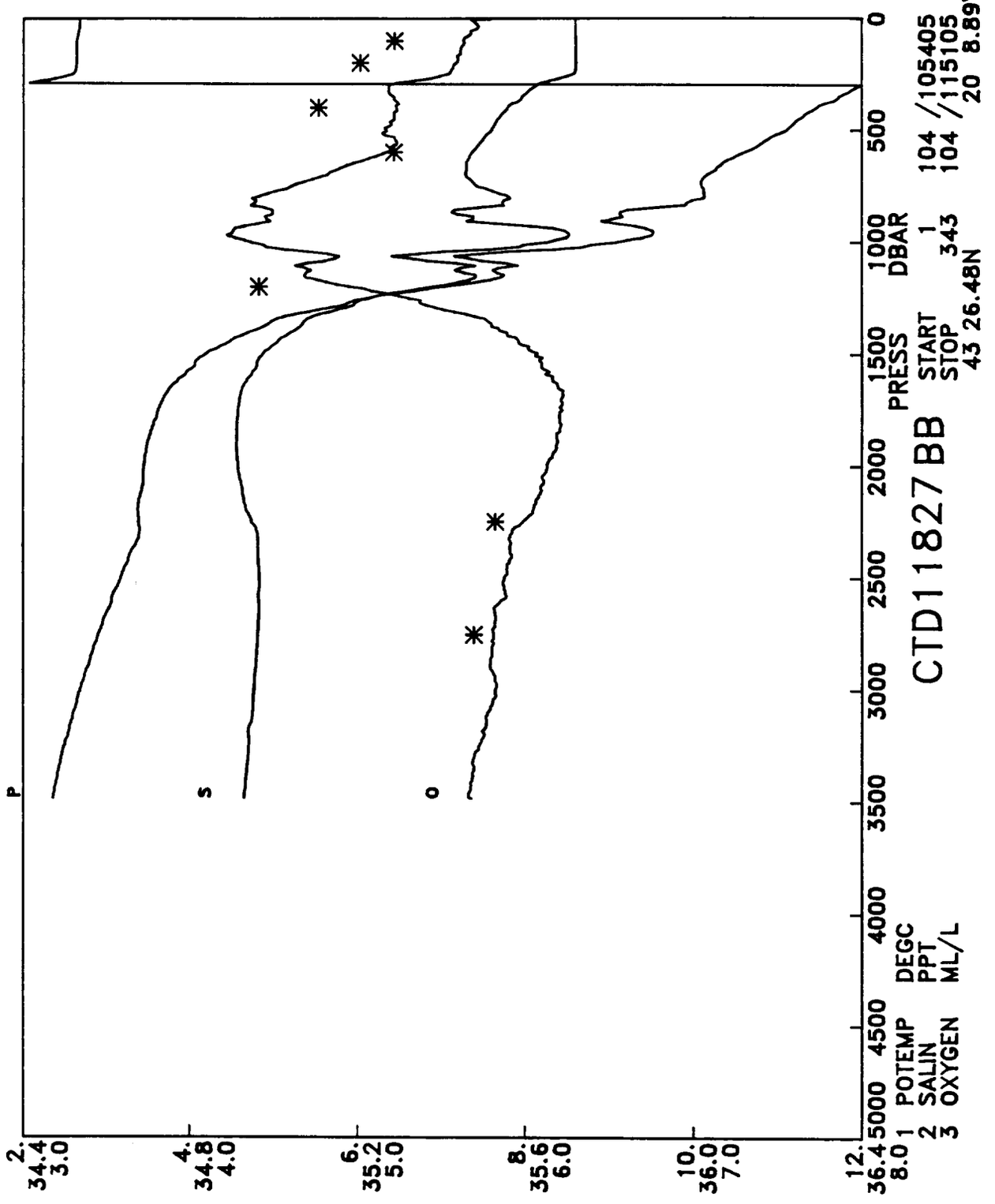
# DISCOVERY 181 STATION 11825

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMAQ $KG/M^3$ | SIG1000 $KG/M^3$ | SIG2000 $KG/M^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-6}M^3/KG$ | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 13.236 | 35.767 | 5.68 | 13.235 | 26.94 | 31.324 | 35.611 | 0.011 | 1502.0 | 10. | 110.73 | -9.999 |
| 20. | 13.238 | 35.767 | 5.69 | 13.235 | 26.94 | 31.324 | 35.611 | 0.022 | 1502.2 | 20. | 111.04 | -0.155 |
| 30. | 13.233 | 35.767 | 5.64 | 13.228 | 26.94 | 31.326 | 35.612 | 0.033 | 1502.4 | 30. | 111.23 | 0.618 |
| 40. | 13.224 | 35.767 | 5.67 | 13.219 | 26.94 | 31.328 | 35.615 | 0.044 | 1502.5 | 40. | 111.34 | 0.787 |
| 50. | 13.190 | 35.766 | 5.65 | 13.183 | 26.95 | 31.335 | 35.623 | 0.056 | 1502.5 | 50. | 111.03 | 1.439 |
| 60. | 13.153 | 35.766 | 5.61 | 13.145 | 26.96 | 31.343 | 35.632 | 0.067 | 1502.6 | 60. | 110.60 | 1.558 |
| 70. | 13.150 | 35.766 | 5.62 | 13.140 | 26.96 | 31.344 | 35.633 | 0.078 | 1502.7 | 69. | 110.79 | 0.595 |
| 80. | 13.151 | 35.766 | 5.62 | 13.140 | 26.96 | 31.344 | 35.633 | 0.089 | 1502.9 | 79. | 111.10 | -0.070 |
| 100. | 13.154 | 35.766 | 5.52 | 13.140 | 26.96 | 31.344 | 35.633 | 0.111 | 1503.3 | 99. | 111.70 | -0.085 |
| 120. | 13.156 | 35.766 | 5.55 | 13.139 | 26.96 | 31.345 | 35.633 | 0.133 | 1503.6 | 119. | 112.28 | 0.185 |
| 140. | 13.155 | 35.765 | 5.58 | 13.135 | 26.96 | 31.345 | 35.634 | 0.156 | 1503.9 | 139. | 112.85 | 0.212 |
| 160. | 13.138 | 35.765 | 5.76 | 13.116 | 26.96 | 31.349 | 35.638 | 0.179 | 1504.2 | 159. | 113.08 | 0.784 |
| 180. | 13.108 | 35.765 | 5.80 | 13.083 | 26.97 | 31.356 | 35.646 | 0.201 | 1504.4 | 179. | 113.09 | 0.989 |
| 200. | 12.851 | 35.728 | 5.76 | 12.824 | 26.99 | 31.386 | 35.680 | 0.224 | 1503.9 | 198. | 111.28 | 2.005 |
| 220. | 12.344 | 35.666 | 5.61 | 12.314 | 27.05 | 31.449 | 35.754 | 0.245 | 1502.4 | 218. | 106.64 | 2.952 |
| 240. | 12.174 | 35.647 | 5.54 | 12.142 | 27.06 | 31.471 | 35.779 | 0.267 | 1502.1 | 238. | 105.42 | 1.722 |
| 260. | 12.009 | 35.625 | 5.54 | 11.974 | 27.08 | 31.490 | 35.801 | 0.288 | 1501.9 | 258. | 104.43 | 1.610 |
| 280. | 11.860 | 35.605 | 5.54 | 11.824 | 27.09 | 31.506 | 35.821 | 0.308 | 1501.7 | 278. | 103.61 | 1.514 |
| 300. | 11.751 | 35.590 | 5.58 | 11.712 | 27.10 | 31.518 | 35.835 | 0.329 | 1501.6 | 297. | 103.18 | 1.280 |
| 320. | 11.617 | 35.569 | 5.48 | 11.575 | 27.11 | 31.531 | 35.851 | 0.350 | 1501.5 | 317. | 102.75 | 1.271 |
| 340. | 11.520 | 35.557 | 5.52 | 11.476 | 27.12 | 31.542 | 35.864 | 0.370 | 1501.5 | 337. | 102.34 | 1.259 |
| 360. | 11.429 | 35.544 | 5.45 | 11.382 | 27.13 | 31.551 | 35.875 | 0.391 | 1501.4 | 357. | 102.12 | 1.119 |
| 380. | 11.310 | 35.527 | 5.44 | 11.262 | 27.14 | 31.563 | 35.889 | 0.411 | 1501.4 | 377. | 101.70 | 1.260 |
| 400. | 11.145 | 35.505 | 5.43 | 11.095 | 27.15 | 31.580 | 35.910 | 0.431 | 1501.1 | 396. | 100.80 | 1.540 |
| 450. | 10.818 | 35.462 | 5.40 | 10.762 | 27.18 | 31.615 | 35.952 | 0.481 | 1500.7 | 446. | 99.19 | 1.391 |
| 500. | 10.602 | 35.440 | 5.31 | 10.541 | 27.20 | 31.642 | 35.983 | 0.531 | 1500.7 | 495. | 98.16 | 1.236 |
| 550. | 10.360 | 35.419 | 5.32 | 10.293 | 27.23 | 31.674 | 36.021 | 0.579 | 1500.7 | 545. | 96.52 | 1.386 |
| 600. | 10.056 | 35.398 | 5.21 | 9.985 | 27.27 | 31.719 | 36.072 | 0.627 | 1500.4 | 594. | 93.82 | 1.616 |
| 700. | 8.931 | 35.269 | 5.07 | 8.853 | 27.35 | 31.831 | 36.209 | 0.717 | 1497.8 | 693. | 86.35 | 1.804 |
| 800. | 9.202 | 35.510 | 4.71 | 9.111 | 27.50 | 31.971 | 36.341 | 0.799 | 1500.8 | 792. | 75.16 | 2.117 |
| 900. | 8.911 | 35.567 | 4.71 | 8.809 | 27.59 | 32.070 | 36.447 | 0.870 | 1501.4 | 891. | 68.03 | 1.768 |
| 1000. | 8.546 | 35.574 | 4.73 | 8.435 | 27.66 | 32.143 | 36.529 | 0.935 | 1501.7 | 990. | 63.31 | 1.515 |
| 1100. | 7.342 | 35.420 | 5.11 | 7.229 | 27.72 | 32.231 | 36.644 | 0.995 | 1498.6 | 1088. | 56.87 | 1.680 |
| 1200. | 6.135 | 35.239 | 5.54 | 6.022 | 27.74 | 32.283 | 36.726 | 1.050 | 1495.4 | 1187. | 53.26 | 1.333 |
| 1300. | 5.064 | 35.081 | 6.01 | 4.951 | 27.75 | 32.317 | 36.787 | 1.102 | 1492.5 | 1286. | 50.81 | 1.140 |
| 1400. | 4.549 | 35.015 | 6.12 | 4.432 | 27.75 | 32.337 | 36.820 | 1.152 | 1492.0 | 1384. | 49.72 | 0.882 |
| 1500. | 4.266 | 34.988 | 6.13 | 4.143 | 27.76 | 32.355 | 36.845 | 1.201 | 1492.5 | 1483. | 48.87 | 0.814 |
| 1600. | 4.123 | 34.977 | 6.09 | 3.992 | 27.77 | 32.366 | 36.861 | 1.250 | 1493.5 | 1581. | 48.66 | 0.656 |
| 1700. | 3.971 | 34.961 | 6.12 | 3.833 | 27.77 | 32.374 | 36.872 | 1.298 | 1494.6 | 1680. | 48.72 | 0.573 |
| 1800. | 3.871 | 34.956 | 6.07 | 3.725 | 27.78 | 32.384 | 36.885 | 1.347 | 1495.8 | 1778. | 48.58 | 0.618 |
| 1900. | 3.768 | 34.951 | 6.06 | 3.614 | 27.79 | 32.394 | 36.898 | 1.396 | 1497.0 | 1877. | 48.39 | 0.627 |
| 2000. | 3.704 | 34.957 | 6.02 | 3.541 | 27.80 | 32.408 | 36.914 | 1.444 | 1498.5 | 1975. | 47.85 | 0.711 |
| 2100. | 3.653 | 34.965 | 5.98 | 3.481 | 27.81 | 32.422 | 36.929 | 1.491 | 1499.9 | 2073. | 47.40 | 0.689 |
| 2200. | 3.583 | 34.969 | 5.94 | 3.402 | 27.82 | 32.435 | 36.944 | 1.538 | 1501.3 | 2171. | 46.89 | 0.698 |
| 2300. | 3.426 | 34.966 | 5.96 | 3.238 | 27.84 | 32.453 | 36.966 | 1.585 | 1502.4 | 2269. | 45.65 | 0.853 |
| 2400. | 3.315 | 34.965 | 5.92 | 3.119 | 27.85 | 32.467 | 36.983 | 1.630 | 1503.6 | 2368. | 44.84 | 0.756 |
| 2500. | 3.230 | 34.965 | 5.90 | 3.025 | 27.85 | 32.478 | 36.997 | 1.675 | 1504.9 | 2466. | 44.31 | 0.684 |
| 2600. | 3.124 | 34.963 | 5.86 | 2.911 | 27.86 | 32.490 | 37.012 | 1.719 | 1506.1 | 2564. | 43.61 | 0.723 |
| 2700. | 3.047 | 34.961 | 5.82 | 2.826 | 27.87 | 32.498 | 37.023 | 1.762 | 1507.5 | 2662. | 43.28 | 0.621 |
| 2800. | 2.965 | 34.953 | 5.79 | 2.736 | 27.87 | 32.503 | 37.030 | 1.805 | 1508.8 | 2760. | 43.26 | 0.524 |
| 2900. | 2.890 | 34.952 | 5.77 | 2.652 | 27.88 | 32.511 | 37.041 | 1.848 | 1510.2 | 2858. | 42.84 | 0.639 |
| 3000. | 2.823 | 34.947 | 5.76 | 2.575 | 27.88 | 32.517 | 37.048 | 1.891 | 1511.6 | 2955. | 42.74 | 0.539 |
| 3100. | 2.792 | 34.945 | 5.72 | 2.536 | 27.88 | 32.520 | 37.052 | 1.934 | 1513.2 | 3053. | 43.02 | 0.398 |
| 3200. | 2.755 | 34.941 | 5.71 | 2.488 | 27.88 | 32.522 | 37.055 | 1.977 | 1514.7 | 3151. | 43.30 | 0.394 |
| 3300. | 2.715 | 34.937 | 5.68 | 2.438 | 27.88 | 32.524 | 37.059 | 2.020 | 1516.3 | 3249. | 43.55 | 0.403 |
| 3400. | 2.683 | 34.933 | 5.68 | 2.397 | 27.89 | 32.526 | 37.062 | 2.064 | 1517.8 | 3346. | 43.86 | 0.377 |


CTD11826BH
START 104 /041355
STOP 104 /045705
42 48.42N 20 13.79W
PRESS DBAR
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
P
S
O

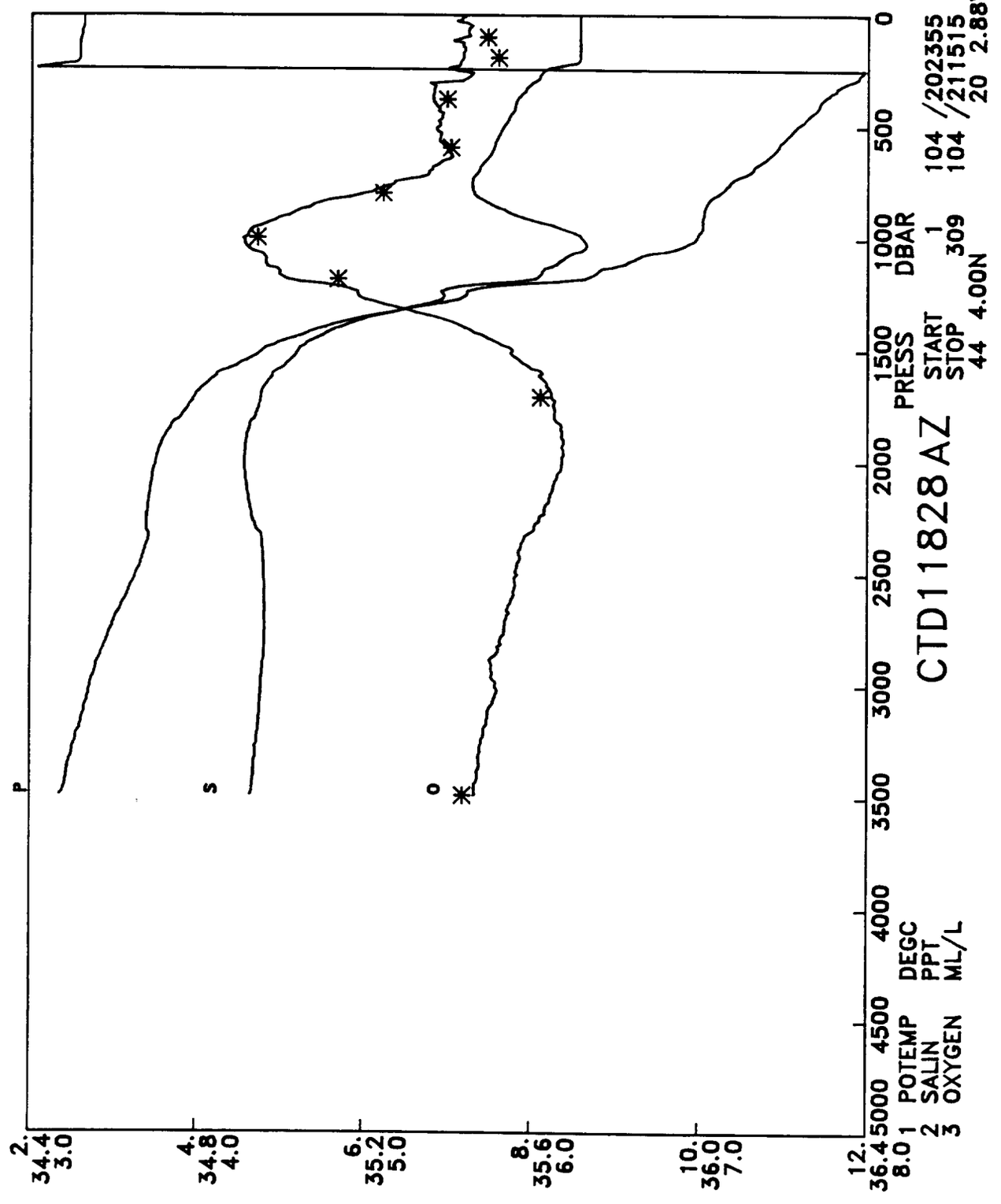
# DISCOVERY 181 STATION 11826

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 13.281 | 35.787 | 5.50 | 13.280 | 26.95 | 31.329 | 35.615 | 0.011 | 1502.2 | 10. | 110.15 | -9.999 |
| 20. | 13.283 | 35.787 | 5.53 | 13.280 | 26.95 | 31.329 | 35.615 | 0.022 | 1502.4 | 20. | 110.45 | -0.121 |
| 30. | 13.284 | 35.787 | 5.53 | 13.280 | 26.95 | 31.330 | 35.615 | 0.033 | 1502.6 | 30. | 110.74 | 0.209 |
| 40. | 13.283 | 35.787 | 5.50 | 13.278 | 26.95 | 31.330 | 35.616 | 0.044 | 1502.7 | 40. | 111.00 | 0.374 |
| 50. | 13.240 | 35.786 | 5.52 | 13.233 | 26.96 | 31.339 | 35.626 | 0.055 | 1502.7 | 50. | 110.54 | 1.597 |
| 60. | 13.204 | 35.782 | 5.54 | 13.195 | 26.96 | 31.345 | 35.632 | 0.066 | 1502.8 | 60. | 110.38 | 1.245 |
| 70. | 13.204 | 35.782 | 5.54 | 13.194 | 26.96 | 31.345 | 35.632 | 0.077 | 1502.9 | 69. | 110.66 | 0.279 |
| 80. | 13.202 | 35.781 | 5.54 | 13.191 | 26.96 | 31.345 | 35.632 | 0.088 | 1503.1 | 79. | 110.97 | -0.114 |
| 100. | 13.204 | 35.781 | 5.53 | 13.190 | 26.96 | 31.345 | 35.632 | 0.111 | 1503.4 | 99. | 111.57 | -0.068 |
| 120. | 13.207 | 35.781 | 5.50 | 13.190 | 26.96 | 31.345 | 35.633 | 0.133 | 1503.8 | 119. | 112.14 | 0.220 |
| 140. | 13.210 | 35.781 | 5.50 | 13.191 | 26.96 | 31.345 | 35.632 | 0.156 | 1504.1 | 139. | 112.78 | -0.236 |
| 160. | 13.203 | 35.779 | 5.49 | 13.180 | 26.96 | 31.345 | 35.633 | 0.178 | 1504.4 | 159. | 113.35 | 0.240 |
| 180. | 13.161 | 35.772 | 5.48 | 13.136 | 26.96 | 31.350 | 35.639 | 0.201 | 1504.6 | 178. | 113.55 | 0.811 |
| 200. | 12.918 | 35.735 | 5.36 | 12.890 | 26.99 | 31.376 | 35.669 | 0.223 | 1504.1 | 198. | 112.11 | 1.846 |
| 220. | 12.669 | 35.704 | 5.23 | 12.639 | 27.01 | 31.407 | 35.705 | 0.246 | 1503.6 | 218. | 110.12 | 2.073 |
| 240. | 12.362 | 35.665 | 5.14 | 12.330 | 27.04 | 31.445 | 35.749 | 0.267 | 1502.8 | 238. | 107.60 | 2.270 |
| 260. | 12.284 | 35.655 | 5.13 | 12.249 | 27.05 | 31.454 | 35.760 | 0.289 | 1502.9 | 258. | 107.39 | 1.144 |
| 280. | 12.141 | 35.636 | 5.16 | 12.103 | 27.06 | 31.470 | 35.780 | 0.310 | 1502.7 | 278. | 106.61 | 1.493 |
| 300. | 12.021 | 35.621 | 5.17 | 11.982 | 27.08 | 31.485 | 35.797 | 0.331 | 1502.6 | 297. | 105.95 | 1.427 |
| 320. | 11.905 | 35.609 | 5.22 | 11.862 | 27.09 | 31.501 | 35.815 | 0.353 | 1502.5 | 317. | 105.15 | 1.503 |
| 340. | 11.815 | 35.597 | 5.26 | 11.771 | 27.10 | 31.511 | 35.827 | 0.374 | 1502.5 | 337. | 104.87 | 1.176 |
| 360. | 11.703 | 35.581 | 5.26 | 11.656 | 27.11 | 31.523 | 35.841 | 0.395 | 1502.4 | 357. | 104.44 | 1.274 |
| 380. | 11.627 | 35.569 | 5.26 | 11.577 | 27.11 | 31.530 | 35.850 | 0.415 | 1502.5 | 377. | 104.38 | 1.004 |
| 400. | 11.476 | 35.550 | 5.25 | 11.425 | 27.13 | 31.547 | 35.870 | 0.436 | 1502.3 | 396. | 103.50 | 1.538 |
| 450. | 11.245 | 35.523 | 5.28 | 11.188 | 27.15 | 31.576 | 35.903 | 0.488 | 1502.3 | 446. | 102.43 | 1.264 |
| 500. | 10.972 | 35.489 | 5.19 | 10.909 | 27.17 | 31.606 | 35.940 | 0.539 | 1502.1 | 495. | 101.13 | 1.314 |
| 550. | 10.666 | 35.453 | 5.17 | 10.598 | 27.20 | 31.641 | 35.981 | 0.589 | 1501.8 | 545. | 99.43 | 1.408 |
| 600. | 10.367 | 35.424 | 5.16 | 10.294 | 27.23 | 31.678 | 36.025 | 0.638 | 1501.5 | 594. | 97.36 | 1.487 |
| 700. | 9.575 | 35.350 | 4.78 | 9.493 | 27.31 | 31.775 | 36.139 | 0.732 | 1500.3 | 693. | 91.18 | 1.690 |
| 800. | 9.047 | 35.383 | 4.65 | 8.957 | 27.43 | 31.900 | 36.275 | 0.819 | 1500.0 | 792. | 81.86 | 1.966 |
| 900. | 8.757 | 35.479 | 4.59 | 8.656 | 27.55 | 32.030 | 36.411 | 0.896 | 1500.7 | 891. | 71.89 | 2.017 |
| 1000. | 8.443 | 35.539 | 4.68 | 8.332 | 27.65 | 32.135 | 36.522 | 0.963 | 1501.3 | 990. | 64.14 | 1.818 |
| 1100. | 7.777 | 35.497 | 4.92 | 7.660 | 27.72 | 32.219 | 36.621 | 1.024 | 1500.4 | 1088. | 58.17 | 1.636 |
| 1200. | 6.848 | 35.367 | 5.21 | 6.729 | 27.75 | 32.272 | 36.697 | 1.080 | 1498.3 | 1187. | 54.62 | 1.341 |
| 1300. | 5.725 | 35.190 | 5.65 | 5.606 | 27.75 | 32.308 | 36.761 | 1.133 | 1495.3 | 1286. | 52.17 | 1.164 |
| 1400. | 5.160 | 35.119 | 5.82 | 5.036 | 27.77 | 32.335 | 36.802 | 1.185 | 1494.6 | 1384. | 50.52 | 1.008 |
| 1500. | 4.593 | 35.042 | 6.02 | 4.466 | 27.77 | 32.354 | 36.835 | 1.235 | 1493.9 | 1483. | 49.39 | 0.892 |
| 1600. | 4.311 | 35.004 | 6.04 | 4.178 | 27.77 | 32.363 | 36.852 | 1.284 | 1494.4 | 1581. | 49.24 | 0.656 |
| 1700. | 4.033 | 34.969 | 6.13 | 3.893 | 27.77 | 32.373 | 36.870 | 1.333 | 1494.8 | 1680. | 48.93 | 0.681 |
| 1800. | 3.948 | 34.966 | 6.09 | 3.801 | 27.78 | 32.382 | 36.881 | 1.382 | 1496.1 | 1778. | 48.92 | 0.589 |
| 1900. | 3.821 | 34.960 | 6.10 | 3.665 | 27.79 | 32.395 | 36.898 | 1.431 | 1497.3 | 1876. | 48.42 | 0.709 |
| 2000. | 3.694 | 34.960 | 6.06 | 3.531 | 27.80 | 32.412 | 36.918 | 1.478 | 1498.4 | 1975. | 47.51 | 0.796 |
| 2100. | 3.581 | 34.956 | 6.07 | 3.410 | 27.81 | 32.424 | 36.933 | 1.526 | 1499.6 | 2073. | 47.03 | 0.692 |
| 2200. | 3.453 | 34.945 | 6.10 | 3.275 | 27.82 | 32.432 | 36.944 | 1.573 | 1500.8 | 2171. | 46.80 | 0.620 |
| 2300. | 3.373 | 34.950 | 6.07 | 3.186 | 27.83 | 32.447 | 36.962 | 1.619 | 1502.1 | 2269. | 46.00 | 0.755 |
| 2400. | 3.311 | 34.953 | 6.04 | 3.115 | 27.84 | 32.458 | 36.975 | 1.665 | 1503.5 | 2367. | 45.63 | 0.647 |
| 2500. | 3.247 | 34.955 | 6.03 | 3.043 | 27.85 | 32.468 | 36.987 | 1.710 | 1505.0 | 2466. | 45.26 | 0.644 |
| 2600. | 3.115 | 34.956 | 5.97 | 2.903 | 27.86 | 32.485 | 37.008 | 1.755 | 1506.1 | 2564. | 43.97 | 0.849 |
| 2700. | 3.040 | 34.957 | 5.92 | 2.819 | 27.87 | 32.496 | 37.020 | 1.799 | 1507.5 | 2662. | 43.47 | 0.667 |
| 2800. | 2.985 | 34.956 | 5.86 | 2.755 | 27.87 | 32.503 | 37.029 | 1.842 | 1508.9 | 2759. | 43.34 | 0.562 |
| 2900. | 2.904 | 34.952 | 5.82 | 2.666 | 27.88 | 32.510 | 37.039 | 1.885 | 1510.3 | 2857. | 43.05 | 0.602 |
| 3000. | 2.840 | 34.948 | 5.79 | 2.592 | 27.88 | 32.515 | 37.046 | 1.928 | 1511.7 | 2955. | 42.97 | 0.533 |
| 3100. | 2.776 | 34.944 | 5.73 | 2.519 | 27.88 | 32.520 | 37.053 | 1.971 | 1513.1 | 3053. | 42.88 | 0.536 |
| 3200. | 2.736 | 34.940 | 5.70 | 2.470 | 27.88 | 32.523 | 37.057 | 2.014 | 1514.7 | 3151. | 43.13 | 0.406 |
| 3300. | 2.693 | 34.935 | 5.69 | 2.417 | 27.88 | 32.525 | 37.060 | 2.057 | 1516.2 | 3248. | 43.36 | 0.407 |
| 3400. | 2.656 | 34.931 | 5.66 | 2.370 | 27.89 | 32.527 | 37.064 | 2.101 | 1517.7 | 3346. | 43.61 | 0.402 |


CTD11827 BB
START 104 /105405
STOP 104 /115105
43 26.48N 343 1 20 8.89W
PRESS DBAR
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
P
S
O
2. 34.4 3.0
4. 34.8 4.0
6. 35.2 5.0
8. 35.6 6.0
10. 36.0 7.0
12. 36.4 8.0

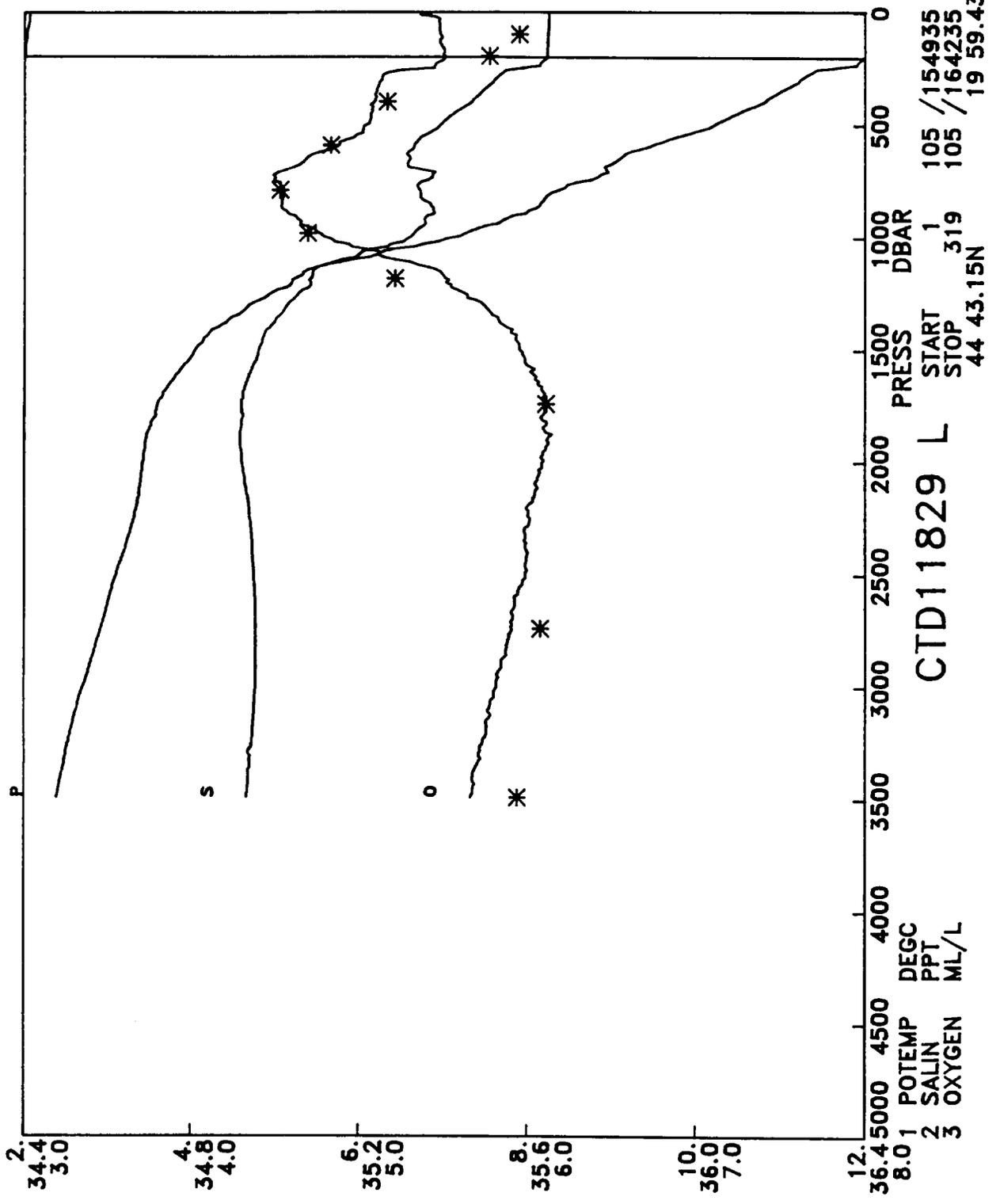
# DISCOVERY 181 STATION 11827

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 12.686 | 35.721 | 5.69 | 12.685 | 27.02 | 31.411 | 35.708 | 0.010 | 1500.2 | 10. | 103.56 | -9.999 |
| 20. | 12.686 | 35.721 | 5.69 | 12.683 | 27.02 | 31.411 | 35.708 | 0.021 | 1500.3 | 20. | 103.84 | 0.209 |
| 30. | 12.685 | 35.721 | 5.70 | 12.681 | 27.02 | 31.411 | 35.709 | 0.031 | 1500.5 | 30. | 104.09 | 0.355 |
| 40. | 12.686 | 35.721 | 5.70 | 12.681 | 27.02 | 31.411 | 35.709 | 0.042 | 1500.7 | 40. | 104.38 | 0.121 |
| 50. | 12.676 | 35.722 | 5.71 | 12.669 | 27.02 | 31.415 | 35.712 | 0.052 | 1500.8 | 50. | 104.41 | 0.948 |
| 60. | 12.677 | 35.722 | 5.68 | 12.669 | 27.02 | 31.414 | 35.712 | 0.062 | 1501.0 | 60. | 104.72 | -0.269 |
| 70. | 12.673 | 35.721 | 5.67 | 12.663 | 27.02 | 31.416 | 35.713 | 0.073 | 1501.1 | 69. | 104.90 | 0.607 |
| 80. | 12.662 | 35.722 | 5.66 | 12.651 | 27.02 | 31.419 | 35.717 | 0.083 | 1501.2 | 79. | 104.93 | 0.934 |
| 100. | 12.659 | 35.722 | 5.62 | 12.645 | 27.02 | 31.420 | 35.718 | 0.104 | 1501.6 | 99. | 105.41 | 0.413 |
| 120. | 12.661 | 35.722 | 5.62 | 12.645 | 27.02 | 31.420 | 35.718 | 0.126 | 1501.9 | 119. | 105.97 | 0.197 |
| 140. | 12.663 | 35.722 | 5.62 | 12.644 | 27.02 | 31.420 | 35.718 | 0.147 | 1502.2 | 139. | 106.54 | 0.163 |
| 160. | 12.666 | 35.721 | 5.61 | 12.645 | 27.02 | 31.420 | 35.718 | 0.168 | 1502.6 | 159. | 107.17 | -0.286 |
| 180. | 12.668 | 35.722 | 5.59 | 12.644 | 27.02 | 31.420 | 35.718 | 0.190 | 1502.9 | 178. | 107.72 | 0.236 |
| 200. | 12.666 | 35.722 | 5.59 | 12.639 | 27.03 | 31.421 | 35.720 | 0.211 | 1503.2 | 198. | 108.17 | 0.463 |
| 220. | 12.665 | 35.721 | 5.58 | 12.634 | 27.03 | 31.422 | 35.720 | 0.233 | 1503.6 | 218. | 108.75 | 0.072 |
| 240. | 12.655 | 35.719 | 5.55 | 12.622 | 27.03 | 31.423 | 35.722 | 0.255 | 1503.9 | 238. | 109.21 | 0.440 |
| 260. | 12.531 | 35.699 | 5.48 | 12.496 | 27.04 | 31.435 | 35.736 | 0.277 | 1503.7 | 258. | 108.83 | 1.268 |
| 280. | 12.258 | 35.657 | 5.32 | 12.220 | 27.06 | 31.462 | 35.769 | 0.298 | 1503.1 | 278. | 107.21 | 1.909 |
| 300. | 12.035 | 35.627 | 5.19 | 11.996 | 27.08 | 31.486 | 35.798 | 0.319 | 1502.6 | 297. | 105.80 | 1.815 |
| 320. | 11.925 | 35.611 | 5.18 | 11.883 | 27.09 | 31.498 | 35.812 | 0.341 | 1502.6 | 317. | 105.42 | 1.249 |
| 340. | 11.839 | 35.600 | 5.20 | 11.794 | 27.10 | 31.509 | 35.824 | 0.362 | 1502.6 | 337. | 105.07 | 1.224 |
| 360. | 11.754 | 35.591 | 5.21 | 11.707 | 27.10 | 31.520 | 35.837 | 0.383 | 1502.6 | 357. | 104.69 | 1.249 |
| 380. | 11.607 | 35.570 | 5.25 | 11.558 | 27.12 | 31.535 | 35.855 | 0.403 | 1502.4 | 377. | 104.00 | 1.428 |
| 400. | 11.503 | 35.558 | 5.24 | 11.452 | 27.13 | 31.548 | 35.870 | 0.424 | 1502.4 | 396. | 103.43 | 1.360 |
| 450. | 11.317 | 35.536 | 5.22 | 11.259 | 27.15 | 31.571 | 35.897 | 0.476 | 1502.5 | 446. | 102.78 | 1.147 |
| 500. | 11.169 | 35.521 | 5.17 | 11.106 | 27.16 | 31.590 | 35.920 | 0.527 | 1502.8 | 495. | 102.42 | 1.055 |
| 550. | 10.908 | 35.496 | 5.23 | 10.839 | 27.19 | 31.625 | 35.961 | 0.578 | 1502.7 | 545. | 100.63 | 1.434 |
| 600. | 10.665 | 35.473 | 5.18 | 10.591 | 27.22 | 31.657 | 35.998 | 0.628 | 1502.7 | 594. | 99.09 | 1.368 |
| 700. | 10.222 | 35.458 | 4.80 | 10.137 | 27.29 | 31.735 | 36.085 | 0.724 | 1502.7 | 693. | 94.50 | 1.535 |
| 800. | 10.226 | 35.568 | 4.37 | 10.129 | 27.37 | 31.822 | 36.171 | 0.817 | 1504.5 | 792. | 88.76 | 1.653 |
| 900. | 9.100 | 35.471 | 4.45 | 8.997 | 27.49 | 31.962 | 36.335 | 0.901 | 1502.0 | 891. | 78.22 | 2.075 |
| 1000. | 9.255 | 35.664 | 4.32 | 9.139 | 27.62 | 32.085 | 36.454 | 0.974 | 1504.5 | 990. | 68.82 | 1.974 |
| 1100. | 8.049 | 35.475 | 4.63 | 7.930 | 27.66 | 32.155 | 36.552 | 1.040 | 1501.4 | 1088. | 64.15 | 1.508 |
| 1200. | 7.065 | 35.369 | 4.99 | 6.943 | 27.72 | 32.239 | 36.659 | 1.101 | 1499.2 | 1187. | 57.83 | 1.659 |
| 1300. | 5.645 | 35.149 | 5.48 | 5.526 | 27.73 | 32.287 | 36.742 | 1.157 | 1495.0 | 1286. | 54.04 | 1.345 |
| 1400. | 4.825 | 35.041 | 5.90 | 4.705 | 27.74 | 32.321 | 36.796 | 1.210 | 1493.2 | 1384. | 51.55 | 1.132 |
| 1500. | 4.311 | 34.974 | 6.07 | 4.187 | 27.75 | 32.338 | 36.827 | 1.261 | 1492.6 | 1483. | 50.53 | 0.857 |
| 1600. | 4.030 | 34.942 | 6.17 | 3.900 | 27.75 | 32.351 | 36.847 | 1.311 | 1493.1 | 1581. | 49.99 | 0.734 |
| 1700. | 3.813 | 34.918 | 6.21 | 3.677 | 27.75 | 32.361 | 36.863 | 1.361 | 1493.8 | 1680. | 49.69 | 0.661 |
| 1800. | 3.714 | 34.912 | 6.21 | 3.570 | 27.76 | 32.369 | 36.875 | 1.411 | 1495.1 | 1778. | 49.63 | 0.587 |
| 1900. | 3.637 | 34.911 | 6.19 | 3.484 | 27.77 | 32.379 | 36.887 | 1.460 | 1496.4 | 1876. | 49.46 | 0.611 |
| 2000. | 3.610 | 34.916 | 6.13 | 3.449 | 27.78 | 32.387 | 36.896 | 1.510 | 1498.0 | 1975. | 49.56 | 0.529 |
| 2100. | 3.596 | 34.924 | 6.09 | 3.425 | 27.78 | 32.397 | 36.906 | 1.559 | 1499.6 | 2073. | 49.50 | 0.575 |
| 2200. | 3.555 | 34.935 | 6.04 | 3.374 | 27.80 | 32.412 | 36.922 | 1.608 | 1501.2 | 2171. | 48.91 | 0.714 |
| 2300. | 3.584 | 34.962 | 5.92 | 3.393 | 27.82 | 32.431 | 36.940 | 1.657 | 1503.0 | 2269. | 48.15 | 0.754 |
| 2400. | 3.468 | 34.963 | 5.92 | 3.270 | 27.83 | 32.447 | 36.960 | 1.705 | 1504.2 | 2367. | 47.17 | 0.803 |
| 2500. | 3.376 | 34.967 | 5.86 | 3.169 | 27.84 | 32.462 | 36.978 | 1.751 | 1505.5 | 2465. | 46.27 | 0.777 |
| 2600. | 3.278 | 34.964 | 5.86 | 3.063 | 27.85 | 32.473 | 36.991 | 1.797 | 1506.8 | 2563. | 45.73 | 0.690 |
| 2700. | 3.178 | 34.963 | 5.82 | 2.954 | 27.86 | 32.485 | 37.006 | 1.843 | 1508.1 | 2661. | 45.01 | 0.730 |
| 2800. | 3.087 | 34.961 | 5.81 | 2.855 | 27.87 | 32.495 | 37.019 | 1.887 | 1509.4 | 2759. | 44.49 | 0.673 |
| 2900. | 3.012 | 34.957 | 5.79 | 2.771 | 27.87 | 32.502 | 37.028 | 1.932 | 1510.7 | 2857. | 44.28 | 0.587 |
| 3000. | 2.935 | 34.953 | 5.82 | 2.686 | 27.88 | 32.509 | 37.037 | 1.976 | 1512.1 | 2955. | 44.04 | 0.593 |
| 3100. | 2.860 | 34.949 | 5.78 | 2.601 | 27.88 | 32.515 | 37.046 | 2.020 | 1513.5 | 3053. | 43.78 | 0.591 |
| 3200. | 2.807 | 34.942 | 5.76 | 2.539 | 27.88 | 32.516 | 37.049 | 2.064 | 1515.0 | 3151. | 44.05 | 0.401 |
| 3300. | 2.735 | 34.938 | 5.70 | 2.458 | 27.88 | 32.523 | 37.057 | 2.108 | 1516.4 | 3248. | 43.74 | 0.599 |
| 3400. | 2.687 | 34.934 | 5.69 | 2.400 | 27.89 | 32.526 | 37.062 | 2.151 | 1517.9 | 3346. | 43.88 | 0.447 |


CTD11828AZ
START 104 /202355
STOP 104 /211515
44 4.00N 20 2.88W
PRESS 309 1
DBAR
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
P
S
O
2. 34.4 3.0
4. 34.8 4.0
6. 35.2 5.0
8. 35.6 6.0
10. 36.0 7.0
12. 36.4 8.0

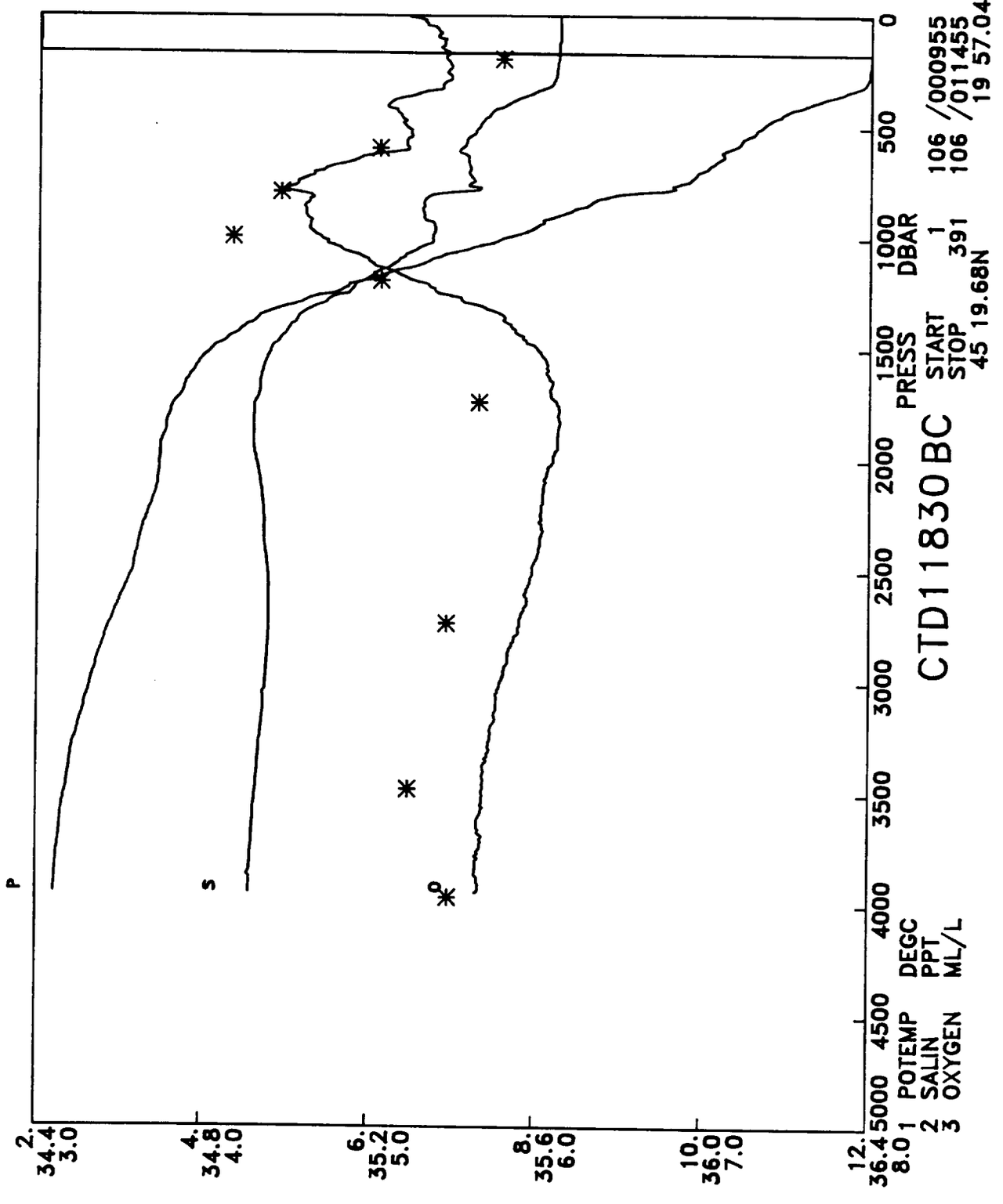
## DISCOVERY 181 STATION 11828

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 12.639 | 35.715 | 5.59 | 12.637 | 27.02 | 31.416 | 35.715 | 0.010 | 1500.0 | 10. | 103.13 | -9.999 |
| 20. | 12.642 | 35.714 | 5.60 | 12.639 | 27.02 | 31.415 | 35.714 | 0.021 | 1500.2 | 20. | 103.51 | -0.543 |
| 30. | 12.645 | 35.714 | 5.53 | 12.642 | 27.02 | 31.415 | 35.713 | 0.031 | 1500.3 | 30. | 103.87 | -0.491 |
| 40. | 12.646 | 35.715 | 5.60 | 12.641 | 27.02 | 31.415 | 35.713 | 0.041 | 1500.5 | 40. | 104.10 | 0.445 |
| 50. | 12.626 | 35.715 | 5.65 | 12.620 | 27.02 | 31.420 | 35.719 | 0.052 | 1500.6 | 50. | 103.95 | 1.215 |
| 60. | 12.629 | 35.714 | 5.64 | 12.621 | 27.02 | 31.419 | 35.718 | 0.062 | 1500.8 | 60. | 104.33 | -0.529 |
| 70. | 12.622 | 35.715 | 5.62 | 12.613 | 27.03 | 31.421 | 35.720 | 0.073 | 1500.9 | 69. | 104.43 | 0.787 |
| 80. | 12.621 | 35.715 | 5.63 | 12.610 | 27.03 | 31.422 | 35.721 | 0.083 | 1501.1 | 79. | 104.68 | 0.349 |
| 100. | 12.614 | 35.714 | 5.53 | 12.601 | 27.03 | 31.424 | 35.723 | 0.104 | 1501.4 | 99. | 105.10 | 0.526 |
| 120. | 12.602 | 35.715 | 5.61 | 12.586 | 27.03 | 31.428 | 35.727 | 0.125 | 1501.7 | 119. | 105.34 | 0.757 |
| 140. | 12.604 | 35.715 | 5.59 | 12.585 | 27.03 | 31.428 | 35.727 | 0.146 | 1502.0 | 139. | 105.89 | 0.236 |
| 160. | 12.606 | 35.715 | 5.61 | 12.584 | 27.03 | 31.428 | 35.727 | 0.167 | 1502.4 | 159. | 106.48 | -0.148 |
| 180. | 12.609 | 35.715 | 5.59 | 12.584 | 27.03 | 31.428 | 35.727 | 0.189 | 1502.7 | 178. | 107.08 | -0.176 |
| 200. | 12.604 | 35.714 | 5.58 | 12.576 | 27.03 | 31.428 | 35.728 | 0.210 | 1503.0 | 198. | 107.61 | 0.289 |
| 220. | 12.425 | 35.689 | 5.60 | 12.395 | 27.05 | 31.449 | 35.752 | 0.232 | 1502.7 | 218. | 106.49 | 1.682 |
| 240. | 12.036 | 35.632 | 5.48 | 12.005 | 27.08 | 31.489 | 35.800 | 0.253 | 1501.7 | 238. | 103.87 | 2.304 |
| 260. | 11.954 | 35.622 | 5.65 | 11.920 | 27.09 | 31.499 | 35.812 | 0.274 | 1501.7 | 258. | 103.59 | 1.182 |
| 280. | 11.920 | 35.618 | 5.64 | 11.883 | 27.09 | 31.504 | 35.817 | 0.294 | 1501.9 | 278. | 103.79 | 0.767 |
| 300. | 11.790 | 35.601 | 5.40 | 11.751 | 27.10 | 31.518 | 35.835 | 0.315 | 1501.8 | 297. | 103.13 | 1.420 |
| 320. | 11.677 | 35.588 | 5.45 | 11.636 | 27.12 | 31.533 | 35.851 | 0.336 | 1501.7 | 317. | 102.47 | 1.416 |
| 340. | 11.650 | 35.583 | 5.40 | 11.606 | 27.12 | 31.535 | 35.855 | 0.356 | 1501.9 | 337. | 102.79 | 0.598 |
| 360. | 11.572 | 35.573 | 5.37 | 11.526 | 27.13 | 31.544 | 35.865 | 0.377 | 1502.0 | 357. | 102.62 | 1.087 |
| 380. | 11.498 | 35.564 | 5.42 | 11.450 | 27.13 | 31.553 | 35.875 | 0.397 | 1502.0 | 377. | 102.44 | 1.095 |
| 400. | 11.467 | 35.560 | 5.44 | 11.416 | 27.14 | 31.557 | 35.880 | 0.418 | 1502.3 | 396. | 102.63 | 0.759 |
| 450. | 11.350 | 35.548 | 5.48 | 11.293 | 27.15 | 31.573 | 35.898 | 0.469 | 1502.7 | 446. | 102.58 | 0.956 |
| 500. | 11.208 | 35.532 | 5.45 | 11.144 | 27.16 | 31.591 | 35.920 | 0.520 | 1503.0 | 495. | 102.31 | 1.029 |
| 550. | 11.081 | 35.518 | 5.45 | 11.011 | 27.18 | 31.607 | 35.939 | 0.571 | 1503.4 | 545. | 102.19 | 0.971 |
| 600. | 10.978 | 35.508 | 5.50 | 10.903 | 27.19 | 31.621 | 35.955 | 0.622 | 1503.8 | 594. | 102.22 | 0.913 |
| 700. | 10.674 | 35.472 | 5.36 | 10.586 | 27.22 | 31.657 | 35.997 | 0.724 | 1504.3 | 693. | 101.60 | 1.024 |
| 800. | 10.303 | 35.464 | 4.99 | 10.205 | 27.28 | 31.727 | 36.075 | 0.824 | 1504.7 | 792. | 97.65 | 1.464 |
| 900. | 10.143 | 35.578 | 4.49 | 10.033 | 27.40 | 31.848 | 36.199 | 0.917 | 1505.9 | 891. | 88.67 | 1.954 |
| 1000. | 10.071 | 35.723 | 4.29 | 9.949 | 27.53 | 31.977 | 36.328 | 1.000 | 1507.5 | 990. | 78.98 | 2.014 |
| 1100. | 9.255 | 35.662 | 4.41 | 9.126 | 27.62 | 32.086 | 36.455 | 1.075 | 1506.1 | 1088. | 70.93 | 1.866 |
| 1200. | 7.924 | 35.473 | 4.78 | 7.795 | 27.68 | 32.177 | 36.577 | 1.143 | 1502.6 | 1187. | 64.00 | 1.741 |
| 1300. | 6.782 | 35.318 | 5.19 | 6.653 | 27.72 | 32.246 | 36.673 | 1.205 | 1499.7 | 1286. | 58.71 | 1.546 |
| 1400. | 5.601 | 35.135 | 5.63 | 5.473 | 27.73 | 32.284 | 36.741 | 1.261 | 1496.4 | 1384. | 55.67 | 1.241 |
| 1500. | 4.905 | 35.041 | 5.91 | 4.774 | 27.73 | 32.311 | 36.785 | 1.316 | 1495.2 | 1483. | 53.74 | 1.047 |
| 1600. | 4.364 | 34.980 | 6.08 | 4.230 | 27.75 | 32.337 | 36.825 | 1.369 | 1494.5 | 1581. | 51.73 | 1.036 |
| 1700. | 4.110 | 34.952 | 6.11 | 3.970 | 27.75 | 32.350 | 36.845 | 1.420 | 1495.1 | 1680. | 51.21 | 0.733 |
| 1800. | 3.942 | 34.938 | 6.14 | 3.795 | 27.76 | 32.361 | 36.861 | 1.471 | 1496.1 | 1778. | 50.84 | 0.686 |
| 1900. | 3.735 | 34.917 | 6.19 | 3.581 | 27.76 | 32.372 | 36.877 | 1.522 | 1496.9 | 1876. | 50.38 | 0.696 |
| 2000. | 3.660 | 34.914 | 6.18 | 3.498 | 27.77 | 32.379 | 36.887 | 1.572 | 1498.2 | 1974. | 50.41 | 0.556 |
| 2100. | 3.613 | 34.920 | 6.12 | 3.441 | 27.78 | 32.391 | 36.900 | 1.623 | 1499.7 | 2073. | 50.07 | 0.654 |
| 2200. | 3.588 | 34.929 | 6.07 | 3.407 | 27.79 | 32.403 | 36.913 | 1.672 | 1501.3 | 2171. | 49.80 | 0.634 |
| 2300. | 3.591 | 34.947 | 6.00 | 3.400 | 27.80 | 32.418 | 36.927 | 1.722 | 1503.0 | 2269. | 49.37 | 0.677 |
| 2400. | 3.565 | 34.960 | 5.92 | 3.365 | 27.82 | 32.433 | 36.943 | 1.771 | 1504.6 | 2367. | 48.76 | 0.718 |
| 2500. | 3.474 | 34.962 | 5.92 | 3.265 | 27.83 | 32.447 | 36.960 | 1.820 | 1505.9 | 2465. | 48.05 | 0.742 |
| 2600. | 3.371 | 34.964 | 5.90 | 3.154 | 27.84 | 32.461 | 36.977 | 1.867 | 1507.2 | 2563. | 47.17 | 0.774 |
| 2700. | 3.240 | 34.963 | 5.83 | 3.016 | 27.85 | 32.478 | 36.997 | 1.914 | 1508.3 | 2661. | 45.93 | 0.845 |
| 2800. | -9.999 | -9.999 | -9.99 | -9.999 | -10.00 | -9.999 | -9.999 | -9.999 | -999.9 | 2759. | -10.00 | -9.999 |
| 2900. | 3.038 | 34.959 | 5.77 | 2.797 | 27.87 | 32.500 | 37.025 | 2.004 | 1510.9 | 2857. | 44.56 | 0.717 |
| 3000. | 2.971 | 34.954 | 5.79 | 2.720 | 27.87 | 32.506 | 37.033 | 2.049 | 1512.3 | 2955. | 44.48 | 0.544 |
| 3100. | 2.913 | 34.952 | 5.76 | 2.653 | 27.88 | 32.511 | 37.040 | 2.093 | 1513.7 | 3053. | 44.39 | 0.542 |
| 3200. | 2.859 | 34.948 | 5.73 | 2.590 | 27.88 | 32.516 | 37.047 | 2.138 | 1515.2 | 3150. | 44.41 | 0.504 |
| 3300. | 2.778 | 34.943 | 5.69 | 2.500 | 27.88 | 32.522 | 37.055 | 2.182 | 1516.6 | 3248. | 44.12 | 0.594 |
| 3400. | 2.726 | 34.937 | 5.69 | 2.439 | 27.89 | 32.524 | 37.059 | 2.226 | 1518.0 | 3346. | 44.23 | 0.462 |


CTD11829 L
START 105 /154935
STOP 105 /164235
44 43.15N 19 59.43W
PRESS 319 DBAR
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
P
S
O
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000
2. 4. 6. 8. 10. 12.
34.4 34.8 35.2 35.6 36.0 36.4
3.0 4.0 5.0 6.0 7.0 8.0

# DISCOVERY 181 STATION 11829

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 12.069 | 35.653 | 5.38 | 12.068 | 27.08 | 31.492 | 35.802 | 0.010 | 1498.0 | 10. | 97.07 | -9.999 |
| 20. | 12.069 | 35.653 | 5.46 | 12.067 | 27.08 | 31.492 | 35.802 | 0.019 | 1498.2 | 20. | 97.33 | 0.208 |
| 30. | 12.068 | 35.653 | 5.49 | 12.064 | 27.08 | 31.492 | 35.802 | 0.029 | 1498.3 | 30. | 97.59 | 0.311 |
| 40. | 12.066 | 35.653 | 5.48 | 12.061 | 27.09 | 31.493 | 35.803 | 0.039 | 1498.5 | 40. | 97.83 | 0.341 |
| 50. | 12.064 | 35.653 | 5.48 | 12.057 | 27.09 | 31.493 | 35.803 | 0.049 | 1498.6 | 50. | 98.06 | 0.435 |
| 60. | 12.058 | 35.652 | 5.49 | 12.050 | 27.09 | 31.494 | 35.805 | 0.059 | 1498.8 | 60. | 98.25 | 0.544 |
| 70. | 12.050 | 35.650 | 5.48 | 12.041 | 27.09 | 31.495 | 35.805 | 0.068 | 1498.9 | 69. | 98.51 | 0.239 |
| 80. | 12.046 | 35.650 | 5.48 | 12.036 | 27.09 | 31.496 | 35.806 | 0.078 | 1499.1 | 79. | 98.68 | 0.603 |
| 100. | 12.046 | 35.650 | 5.50 | 12.033 | 27.09 | 31.496 | 35.807 | 0.098 | 1499.4 | 99. | 99.21 | 0.221 |
| 120. | 12.036 | 35.649 | 5.49 | 12.020 | 27.09 | 31.499 | 35.809 | 0.118 | 1499.7 | 119. | 99.58 | 0.565 |
| 140. | 12.030 | 35.649 | 5.49 | 12.012 | 27.09 | 31.500 | 35.811 | 0.138 | 1500.0 | 139. | 100.01 | 0.477 |
| 160. | 12.032 | 35.649 | 5.53 | 12.011 | 27.09 | 31.500 | 35.811 | 0.158 | 1500.3 | 159. | 100.56 | 0.051 |
| 180. | 12.030 | 35.648 | 5.51 | 12.006 | 27.09 | 31.501 | 35.812 | 0.178 | 1500.7 | 178. | 101.09 | 0.236 |
| 200. | 12.032 | 35.648 | 5.51 | 12.006 | 27.09 | 31.501 | 35.812 | 0.198 | 1501.0 | 198. | 101.65 | -0.085 |
| 220. | 11.954 | 35.634 | 5.45 | 11.925 | 27.10 | 31.507 | 35.820 | 0.219 | 1501.0 | 218. | 101.73 | 0.889 |
| 240. | 11.926 | 35.629 | 5.44 | 11.895 | 27.10 | 31.509 | 35.823 | 0.239 | 1501.3 | 238. | 102.10 | 0.548 |
| 260. | 11.448 | 35.548 | 5.19 | 11.415 | 27.13 | 31.548 | 35.871 | 0.259 | 1499.9 | 258. | 99.72 | 2.210 |
| 280. | 11.349 | 35.533 | 5.14 | 11.313 | 27.13 | 31.557 | 35.883 | 0.279 | 1499.8 | 278. | 99.53 | 1.098 |
| 300. | 11.270 | 35.522 | 5.13 | 11.232 | 27.14 | 31.565 | 35.893 | 0.299 | 1499.9 | 297. | 99.40 | 1.047 |
| 320. | 11.203 | 35.511 | 5.11 | 11.163 | 27.14 | 31.571 | 35.900 | 0.319 | 1500.0 | 317. | 99.46 | 0.883 |
| 340. | 11.100 | 35.498 | 5.11 | 11.058 | 27.15 | 31.582 | 35.913 | 0.339 | 1499.9 | 337. | 99.08 | 1.226 |
| 360. | 11.019 | 35.489 | 5.09 | 10.974 | 27.16 | 31.593 | 35.925 | 0.359 | 1500.0 | 357. | 98.73 | 1.203 |
| 380. | 10.915 | 35.475 | 5.11 | 10.868 | 27.17 | 31.603 | 35.938 | 0.378 | 1499.9 | 377. | 98.38 | 1.197 |
| 400. | 10.864 | 35.469 | 5.10 | 10.815 | 27.18 | 31.609 | 35.945 | 0.398 | 1500.1 | 396. | 98.39 | 0.917 |
| 450. | 10.541 | 35.423 | 5.07 | 10.486 | 27.20 | 31.640 | 35.982 | 0.447 | 1499.7 | 446. | 97.16 | 1.286 |
| 500. | 10.276 | 35.393 | 5.03 | 10.216 | 27.22 | 31.669 | 36.018 | 0.495 | 1499.5 | 495. | 95.87 | 1.299 |
| 550. | 9.882 | 35.352 | 4.98 | 9.817 | 27.26 | 31.715 | 36.072 | 0.542 | 1498.9 | 545. | 93.11 | 1.624 |
| 600. | 9.497 | 35.331 | 4.86 | 9.428 | 27.31 | 31.773 | 36.138 | 0.588 | 1498.3 | 594. | 89.19 | 1.842 |
| 700. | 9.019 | 35.353 | 4.54 | 8.941 | 27.40 | 31.880 | 36.256 | 0.674 | 1498.2 | 693. | 81.63 | 1.809 |
| 800. | 8.372 | 35.348 | 4.56 | 8.286 | 27.50 | 31.994 | 36.384 | 0.751 | 1497.5 | 792. | 73.33 | 1.867 |
| 900. | 7.946 | 35.365 | 4.63 | 7.851 | 27.58 | 32.083 | 36.483 | 0.822 | 1497.6 | 891. | 67.02 | 1.668 |
| 1000. | 7.240 | 35.322 | 4.80 | 7.139 | 27.65 | 32.170 | 36.586 | 0.886 | 1496.5 | 990. | 60.85 | 1.643 |
| 1100. | 5.991 | 35.155 | 5.25 | 5.889 | 27.69 | 32.237 | 36.684 | 0.944 | 1493.0 | 1088. | 55.99 | 1.478 |
| 1200. | 5.313 | 35.088 | 5.52 | 5.207 | 27.72 | 32.286 | 36.750 | 0.998 | 1491.9 | 1187. | 52.56 | 1.277 |
| 1300. | 4.804 | 35.029 | 5.76 | 4.694 | 27.73 | 32.312 | 36.788 | 1.050 | 1491.4 | 1285. | 51.10 | 0.959 |
| 1400. | 4.430 | 34.987 | 5.87 | 4.315 | 27.74 | 32.331 | 36.817 | 1.100 | 1491.5 | 1384. | 50.15 | 0.844 |
| 1500. | 4.167 | 34.962 | 5.96 | 4.045 | 27.75 | 32.347 | 36.840 | 1.150 | 1492.0 | 1483. | 49.44 | 0.779 |
| 1600. | 3.981 | 34.942 | 6.03 | 3.852 | 27.76 | 32.357 | 36.855 | 1.199 | 1492.9 | 1581. | 49.36 | 0.614 |
| 1700. | 3.792 | 34.925 | 6.10 | 3.656 | 27.76 | 32.368 | 36.872 | 1.249 | 1493.8 | 1679. | 48.93 | 0.692 |
| 1800. | 3.695 | 34.921 | 6.09 | 3.551 | 27.77 | 32.379 | 36.885 | 1.297 | 1495.0 | 1778. | 48.72 | 0.629 |
| 1900. | 3.604 | 34.917 | 6.14 | 3.452 | 27.78 | 32.388 | 36.896 | 1.346 | 1496.3 | 1876. | 48.62 | 0.589 |
| 2000. | 3.577 | 34.923 | 6.10 | 3.416 | 27.78 | 32.397 | 36.906 | 1.395 | 1497.9 | 1974. | 48.60 | 0.564 |
| 2100. | 3.556 | 34.931 | 6.05 | 3.386 | 27.79 | 32.407 | 36.917 | 1.443 | 1499.5 | 2073. | 48.51 | 0.582 |
| 2200. | 3.524 | 34.940 | 5.98 | 3.344 | 27.80 | 32.419 | 36.930 | 1.491 | 1501.0 | 2171. | 48.15 | 0.655 |
| 2300. | 3.460 | 34.945 | 5.99 | 3.272 | 27.82 | 32.432 | 36.945 | 1.539 | 1502.5 | 2269. | 47.61 | 0.699 |
| 2400. | 3.385 | 34.947 | 6.00 | 3.188 | 27.83 | 32.444 | 36.960 | 1.587 | 1503.8 | 2367. | 47.10 | 0.686 |
| 2500. | 3.305 | 34.951 | 5.99 | 3.099 | 27.84 | 32.458 | 36.975 | 1.633 | 1505.2 | 2465. | 46.40 | 0.729 |
| 2600. | 3.237 | 34.954 | 5.92 | 3.023 | 27.85 | 32.469 | 36.989 | 1.679 | 1506.6 | 2563. | 45.89 | 0.679 |
| 2700. | 3.173 | 34.956 | 5.91 | 2.949 | 27.85 | 32.480 | 37.001 | 1.725 | 1508.0 | 2661. | 45.49 | 0.649 |
| 2800. | 3.099 | 34.956 | 5.88 | 2.867 | 27.86 | 32.490 | 37.013 | 1.770 | 1509.4 | 2759. | 45.04 | 0.656 |
| 2900. | 3.030 | 34.956 | 5.85 | 2.789 | 27.87 | 32.499 | 37.024 | 1.815 | 1510.8 | 2857. | 44.64 | 0.641 |
| 3000. | 2.955 | 34.954 | 5.81 | 2.705 | 27.88 | 32.507 | 37.035 | 1.860 | 1512.2 | 2955. | 44.25 | 0.632 |
| 3100. | 2.885 | 34.951 | 5.76 | 2.626 | 27.88 | 32.514 | 37.044 | 1.904 | 1513.6 | 3052. | 43.98 | 0.597 |
| 3200. | 2.822 | 34.947 | 5.76 | 2.554 | 27.88 | 32.519 | 37.051 | 1.948 | 1515.0 | 3150. | 43.91 | 0.533 |
| 3300. | 2.772 | 34.935 | 5.70 | 2.494 | 27.88 | 32.516 | 37.050 | 1.992 | 1516.5 | 3248. | 44.57 | 0.159 |
| 3400. | 2.726 | 34.938 | 5.68 | 2.439 | 27.89 | 32.525 | 37.060 | 2.036 | 1518.0 | 3346. | 44.20 | 0.615 |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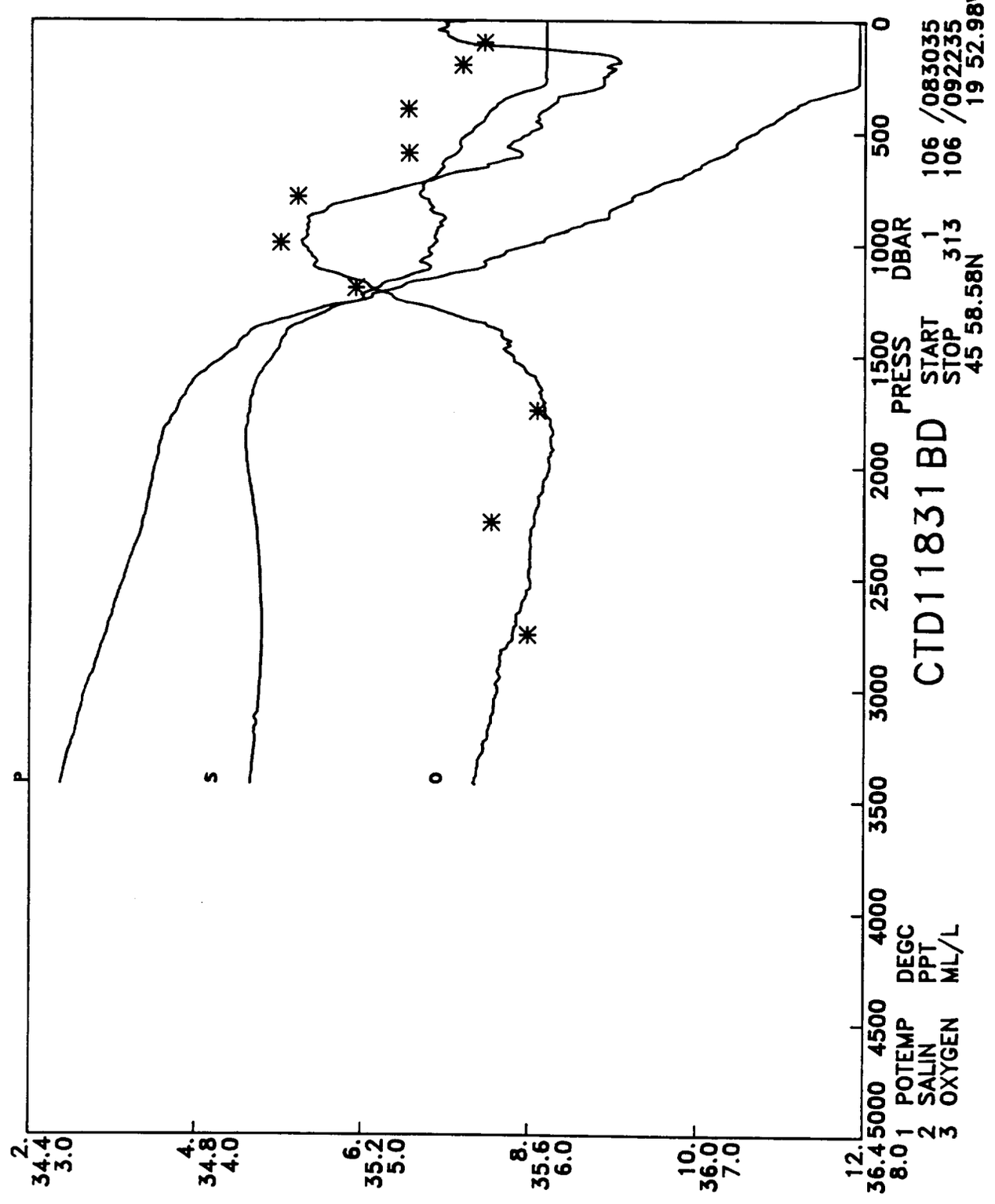
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
P
S
O

# DISCOVERY 181 STATION 11830

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMAQ KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 12.016 | 35.655 | 5.28 | 12.014 | 27.10 | 31.505 | 35.815 | 0.010 | 1497.8 | 10. | 95.96 | -9.999 |
| 20. | 12.020 | 35.655 | 5.33 | 12.018 | 27.10 | 31.504 | 35.815 | 0.019 | 1498.0 | 20. | 96.29 | -0.381 |
| 30. | 12.020 | 35.655 | 5.33 | 12.017 | 27.10 | 31.504 | 35.815 | 0.029 | 1498.2 | 30. | 96.56 | 0.121 |
| 40. | 12.022 | 35.656 | 5.33 | 12.017 | 27.10 | 31.504 | 35.815 | 0.039 | 1498.3 | 40. | 96.82 | 0.277 |
| 50. | 12.019 | 35.656 | 5.38 | 12.012 | 27.10 | 31.506 | 35.817 | 0.048 | 1498.5 | 50. | 96.96 | 0.674 |
| 60. | 12.024 | 35.656 | 5.42 | 12.017 | 27.10 | 31.505 | 35.815 | 0.058 | 1498.7 | 60. | 97.35 | -0.594 |
| 70. | 12.023 | 35.656 | 5.38 | 12.014 | 27.10 | 31.505 | 35.816 | 0.068 | 1498.8 | 69. | 97.58 | 0.376 |
| 80. | 12.025 | 35.656 | 5.41 | 12.015 | 27.10 | 31.505 | 35.816 | 0.077 | 1499.0 | 79. | 97.87 | -0.184 |
| 100. | 12.030 | 35.656 | 5.41 | 12.017 | 27.10 | 31.504 | 35.815 | 0.097 | 1499.4 | 99. | 98.49 | -0.319 |
| 120. | 12.021 | 35.652 | 5.45 | 12.005 | 27.10 | 31.504 | 35.815 | 0.117 | 1499.6 | 119. | 99.08 | -0.231 |
| 140. | 12.022 | 35.652 | 5.42 | 12.004 | 27.10 | 31.504 | 35.815 | 0.137 | 1500.0 | 139. | 99.65 | -0.146 |
| 160. | 12.022 | 35.651 | 5.47 | 12.001 | 27.10 | 31.504 | 35.815 | 0.157 | 1500.3 | 159. | 100.18 | 0.206 |
| 180. | 12.020 | 35.650 | 5.46 | 11.996 | 27.10 | 31.505 | 35.816 | 0.177 | 1500.6 | 178. | 100.73 | 0.129 |
| 200. | 12.020 | 35.651 | 5.47 | 11.994 | 27.10 | 31.505 | 35.816 | 0.197 | 1501.0 | 198. | 101.23 | 0.309 |
| 220. | 12.012 | 35.648 | 5.48 | 11.983 | 27.10 | 31.506 | 35.817 | 0.217 | 1501.3 | 218. | 101.79 | 0.084 |
| 240. | 12.006 | 35.646 | 5.46 | 11.974 | 27.10 | 31.506 | 35.818 | 0.238 | 1501.6 | 238. | 102.31 | 0.243 |
| 260. | 12.012 | 35.646 | 5.48 | 11.978 | 27.10 | 31.505 | 35.817 | 0.258 | 1501.9 | 258. | 102.93 | -0.344 |
| 280. | 11.996 | 35.643 | 5.48 | 11.959 | 27.10 | 31.507 | 35.819 | 0.279 | 1502.2 | 278. | 103.34 | 0.494 |
| 300. | 11.964 | 35.637 | 5.46 | 11.925 | 27.10 | 31.510 | 35.822 | 0.300 | 1502.4 | 297. | 103.71 | 0.549 |
| 320. | 11.898 | 35.624 | 5.45 | 11.856 | 27.10 | 31.514 | 35.828 | 0.320 | 1502.5 | 317. | 103.89 | 0.785 |
| 340. | 11.732 | 35.595 | 5.32 | 11.688 | 27.11 | 31.527 | 35.845 | 0.341 | 1502.2 | 337. | 103.45 | 1.288 |
| 360. | 11.568 | 35.567 | 5.25 | 11.522 | 27.12 | 31.540 | 35.861 | 0.362 | 1502.0 | 357. | 102.98 | 1.296 |
| 380. | 11.408 | 35.545 | 5.11 | 11.359 | 27.13 | 31.557 | 35.881 | 0.382 | 1501.7 | 377. | 102.16 | 1.506 |
| 400. | 11.257 | 35.526 | 5.09 | 11.206 | 27.15 | 31.574 | 35.902 | 0.403 | 1501.5 | 396. | 101.24 | 1.555 |
| 450. | 10.961 | 35.484 | 5.19 | 10.905 | 27.17 | 31.603 | 35.937 | 0.453 | 1501.2 | 446. | 100.16 | 1.259 |
| 500. | 10.739 | 35.460 | 5.22 | 10.677 | 27.19 | 31.630 | 35.969 | 0.503 | 1501.3 | 495. | 99.09 | 1.249 |
| 550. | 10.532 | 35.433 | 5.22 | 10.464 | 27.21 | 31.651 | 35.994 | 0.552 | 1501.3 | 545. | 98.55 | 1.091 |
| 600. | 10.347 | 35.415 | 5.22 | 10.274 | 27.23 | 31.675 | 36.022 | 0.601 | 1501.5 | 594. | 97.69 | 1.180 |
| 700. | 10.006 | 35.435 | 4.63 | 9.922 | 27.31 | 31.759 | 36.113 | 0.696 | 1501.9 | 693. | 92.40 | 1.603 |
| 800. | 9.080 | 35.355 | 4.63 | 8.989 | 27.40 | 31.873 | 36.247 | 0.786 | 1500.1 | 792. | 84.45 | 1.851 |
| 900. | 8.333 | 35.330 | 4.62 | 8.235 | 27.50 | 31.989 | 36.380 | 0.866 | 1499.0 | 891. | 75.82 | 1.896 |
| 1000. | 7.670 | 35.346 | 4.71 | 7.565 | 27.61 | 32.117 | 36.523 | 0.937 | 1498.1 | 989. | 65.80 | 2.006 |
| 1100. | 6.820 | 35.267 | 4.99 | 6.712 | 27.67 | 32.197 | 36.623 | 1.000 | 1496.4 | 1088. | 59.98 | 1.598 |
| 1200. | 5.867 | 35.165 | 5.30 | 5.756 | 27.71 | 32.266 | 36.715 | 1.058 | 1494.2 | 1187. | 54.77 | 1.511 |
| 1300. | 5.175 | 35.077 | 5.65 | 5.061 | 27.73 | 32.298 | 36.765 | 1.112 | 1493.0 | 1285. | 52.68 | 1.082 |
| 1400. | 4.602 | 35.007 | 5.86 | 4.484 | 27.74 | 32.324 | 36.806 | 1.163 | 1492.2 | 1384. | 51.00 | 0.992 |
| 1500. | 4.210 | 34.962 | 6.01 | 4.087 | 27.75 | 32.341 | 36.833 | 1.214 | 1492.2 | 1482. | 50.05 | 0.834 |
| 1600. | 3.998 | 34.942 | 6.06 | 3.868 | 27.75 | 32.355 | 36.852 | 1.263 | 1493.0 | 1581. | 49.55 | 0.723 |
| 1700. | 3.868 | 34.934 | 6.10 | 3.731 | 27.76 | 32.366 | 36.867 | 1.313 | 1494.1 | 1679. | 49.26 | 0.660 |
| 1800. | 3.730 | 34.922 | 6.13 | 3.586 | 27.77 | 32.375 | 36.880 | 1.362 | 1495.2 | 1778. | 49.11 | 0.615 |
| 1900. | 3.664 | 34.922 | 6.13 | 3.511 | 27.77 | 32.384 | 36.891 | 1.411 | 1496.6 | 1876. | 49.08 | 0.573 |
| 2000. | 3.638 | 34.930 | 6.11 | 3.475 | 27.78 | 32.395 | 36.903 | 1.460 | 1498.1 | 1974. | 48.92 | 0.607 |
| 2100. | 3.622 | 34.939 | 6.06 | 3.450 | 27.79 | 32.405 | 36.914 | 1.509 | 1499.8 | 2072. | 48.81 | 0.591 |
| 2200. | 3.558 | 34.947 | 6.03 | 3.377 | 27.81 | 32.420 | 36.931 | 1.557 | 1501.2 | 2171. | 48.14 | 0.735 |
| 2300. | 3.462 | 34.948 | 6.04 | 3.273 | 27.82 | 32.435 | 36.948 | 1.605 | 1502.5 | 2269. | 47.39 | 0.748 |
| 2400. | 3.416 | 34.952 | 6.02 | 3.219 | 27.83 | 32.444 | 36.958 | 1.652 | 1504.0 | 2367. | 47.22 | 0.599 |
| 2500. | 3.363 | 34.958 | 5.98 | 3.156 | 27.84 | 32.457 | 36.973 | 1.699 | 1505.5 | 2465. | 46.72 | 0.683 |
| 2600. | 3.250 | 34.961 | 5.93 | 3.035 | 27.85 | 32.473 | 36.992 | 1.745 | 1506.7 | 2563. | 45.59 | 0.824 |
| 2700. | 3.144 | 34.960 | 5.92 | 2.921 | 27.86 | 32.487 | 37.009 | 1.790 | 1507.9 | 2661. | 44.73 | 0.758 |
| 2800. | 3.044 | 34.959 | 5.88 | 2.812 | 27.87 | 32.498 | 37.023 | 1.835 | 1509.2 | 2759. | 44.00 | 0.726 |
| 2900. | 2.958 | 34.955 | 5.84 | 2.718 | 27.88 | 32.507 | 37.034 | 1.878 | 1510.5 | 2857. | 43.60 | 0.636 |
| 3000. | 2.891 | 34.952 | 5.79 | 2.642 | 27.88 | 32.513 | 37.042 | 1.922 | 1511.9 | 2955. | 43.42 | 0.570 |
| 3100. | 2.828 | 34.947 | 5.77 | 2.571 | 27.88 | 32.517 | 37.048 | 1.965 | 1513.4 | 3052. | 43.44 | 0.502 |
| 3200. | 2.765 | 34.942 | 5.74 | 2.498 | 27.88 | 32.522 | 37.055 | 2.009 | 1514.8 | 3150. | 43.36 | 0.528 |
| 3300. | 2.699 | 34.937 | 5.74 | 2.423 | 27.89 | 32.526 | 37.061 | 2.052 | 1516.2 | 3248. | 43.31 | 0.518 |
| 3400. | 2.672 | 34.933 | 5.70 | 2.386 | 27.89 | 32.527 | 37.063 | 2.096 | 1517.8 | 3345. | 43.67 | 0.346 |
| 3500. | 2.633 | 34.929 | 5.69 | 2.337 | 27.89 | 32.529 | 37.067 | 2.139 | 1519.3 | 3443. | 43.92 | 0.397 |
| 3600. | 2.602 | 34.924 | 5.66 | 2.296 | 27.89 | 32.530 | 37.069 | 2.183 | 1520.9 | 3541. | 44.25 | 0.360 |
| 3700. | 2.589 | 34.922 | 5.67 | 2.272 | 27.89 | 32.531 | 37.070 | 2.228 | 1522.6 | 3638. | 44.74 | 0.267 |
| 3800. | 2.570 | 34.919 | 5.65 | 2.242 | 27.89 | 32.531 | 37.072 | 2.273 | 1524.2 | 3736. | 45.15 | 0.310 |
| 3900. | 2.564 | 34.917 | 5.67 | 2.225 | 27.89 | 32.532 | 37.073 | 2.318 | 1525.9 | 3833. | 45.66 | 0.253 |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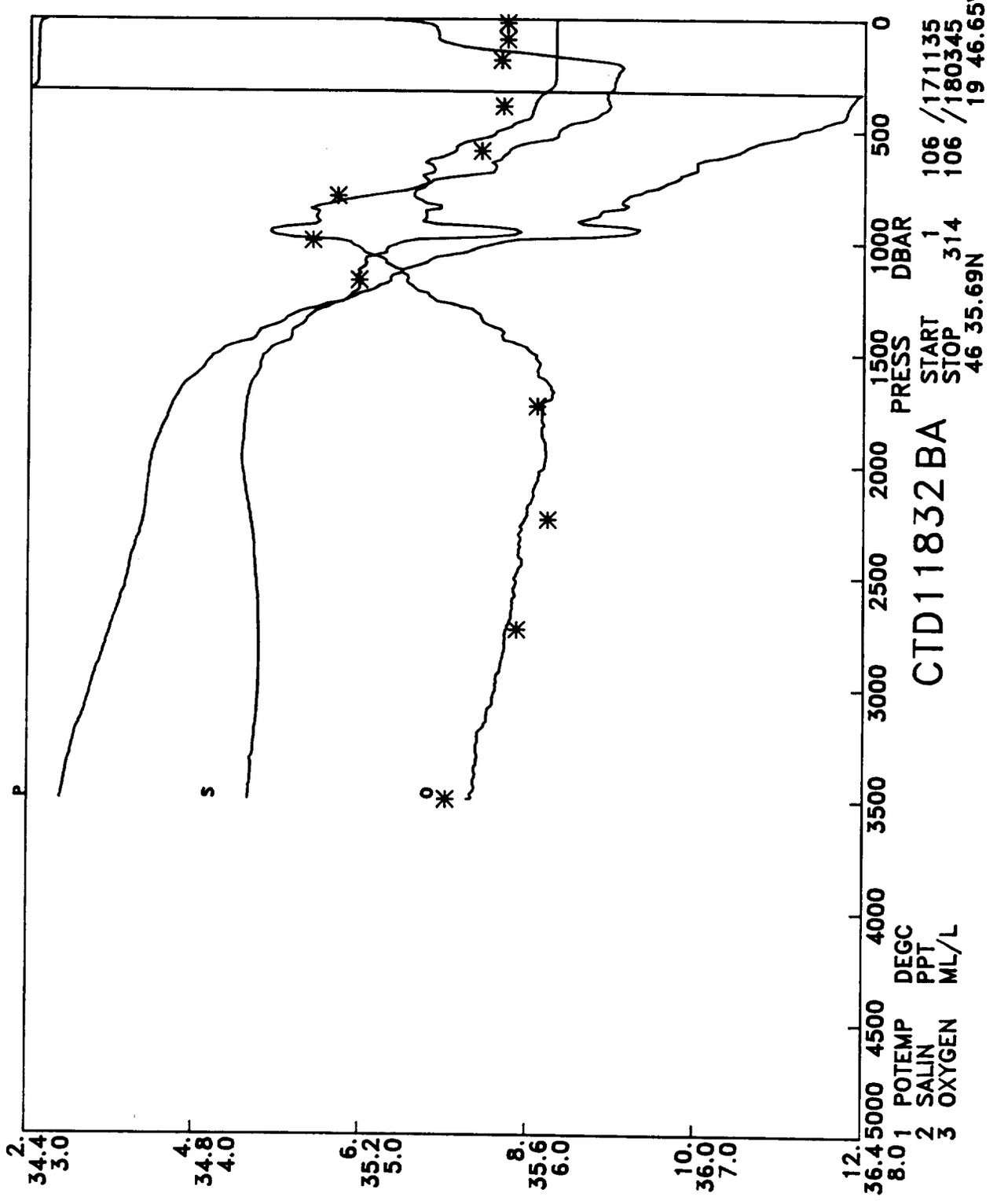
313
1
PRESS DBAR
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
P
S
O

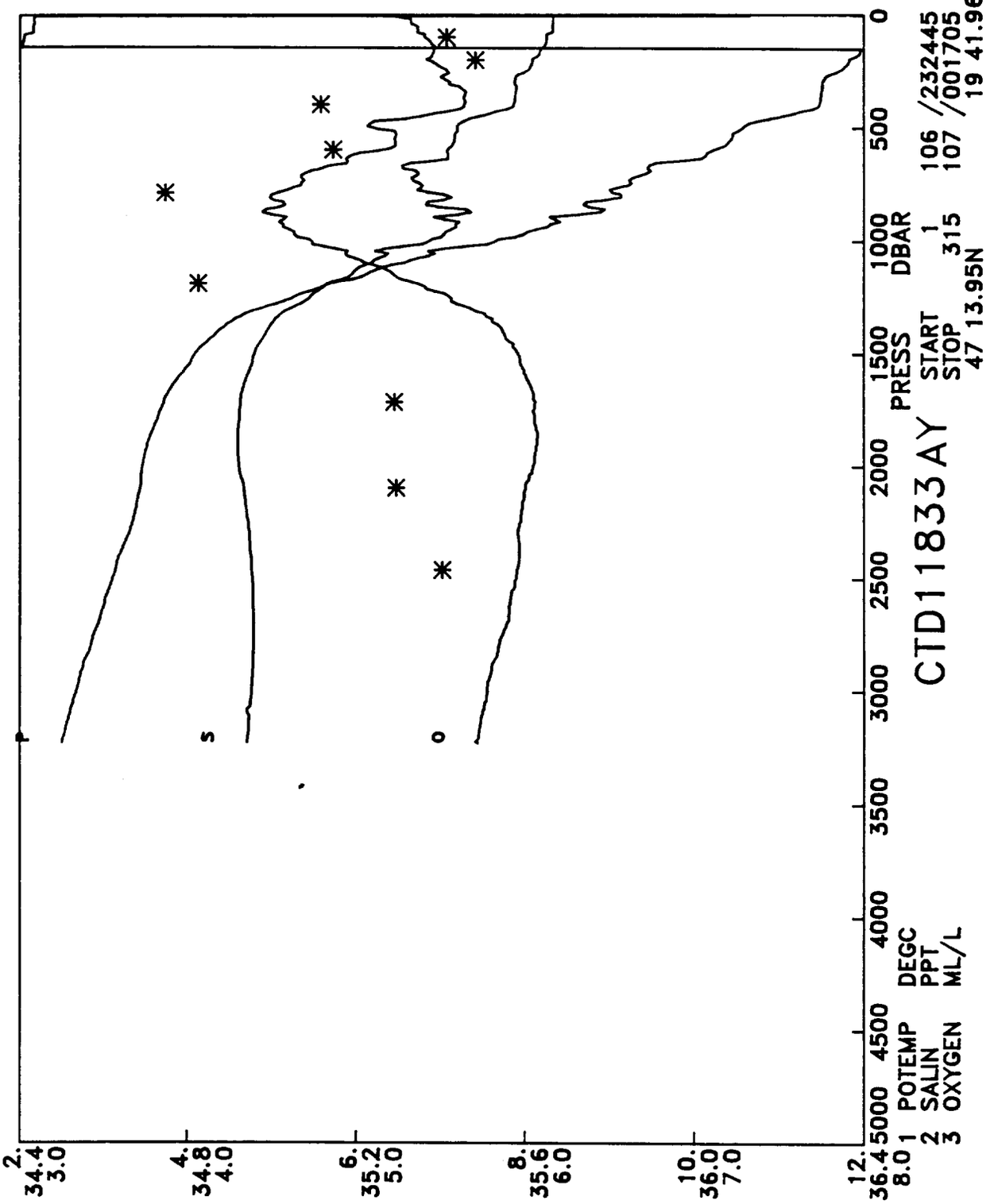
## DISCOVERY 181 STATION 11831

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 11.929 | 35.639 | 5.51 | 11.928 | 27.10 | 31.510 | 35.823 | 0.010 | 1497.5 | 10. | 95.60 | -9.999 |
| 20. | 11.931 | 35.639 | 5.51 | 11.928 | 27.10 | 31.510 | 35.823 | 0.019 | 1497.7 | 20. | 95.87 | 0.183 |
| 30. | 11.931 | 35.639 | 5.49 | 11.927 | 27.10 | 31.510 | 35.823 | 0.029 | 1497.8 | 30. | 96.14 | 0.119 |
| 40. | 11.936 | 35.640 | 5.42 | 11.931 | 27.10 | 31.510 | 35.823 | 0.038 | 1498.0 | 40. | 96.41 | 0.152 |
| 50. | 11.938 | 35.640 | 5.49 | 11.931 | 27.10 | 31.510 | 35.823 | 0.048 | 1498.2 | 50. | 96.70 | -0.140 |
| 60. | 11.938 | 35.640 | 5.50 | 11.931 | 27.10 | 31.510 | 35.823 | 0.058 | 1498.4 | 59. | 96.97 | 0.072 |
| 70. | 11.938 | 35.639 | 5.50 | 11.929 | 27.10 | 31.510 | 35.823 | 0.067 | 1498.5 | 69. | 97.25 | -0.065 |
| 80. | 11.942 | 35.639 | 5.54 | 11.931 | 27.10 | 31.510 | 35.822 | 0.077 | 1498.7 | 79. | 97.56 | -0.279 |
| 100. | 11.945 | 35.639 | 5.64 | 11.932 | 27.10 | 31.510 | 35.822 | 0.097 | 1499.0 | 99. | 98.13 | -0.171 |
| 120. | 11.948 | 35.640 | 6.01 | 11.932 | 27.10 | 31.510 | 35.823 | 0.116 | 1499.4 | 119. | 98.66 | 0.214 |
| 140. | 11.950 | 35.640 | 6.33 | 11.931 | 27.10 | 31.510 | 35.823 | 0.136 | 1499.7 | 139. | 99.22 | -0.084 |
| 160. | 11.951 | 35.640 | 6.50 | 11.930 | 27.10 | 31.510 | 35.823 | 0.156 | 1500.1 | 159. | 99.75 | 0.192 |
| 180. | 11.951 | 35.639 | 6.54 | 11.928 | 27.10 | 31.510 | 35.823 | 0.176 | 1500.4 | 178. | 100.31 | -0.134 |
| 200. | 11.953 | 35.638 | 6.47 | 11.927 | 27.10 | 31.510 | 35.822 | 0.196 | 1500.7 | 198. | 100.91 | -0.254 |
| 220. | 11.955 | 35.638 | 6.51 | 11.927 | 27.10 | 31.510 | 35.823 | 0.216 | 1501.1 | 218. | 101.45 | 0.072 |
| 240. | 11.952 | 35.637 | 6.45 | 11.921 | 27.10 | 31.511 | 35.823 | 0.237 | 1501.4 | 238. | 101.97 | 0.268 |
| 260. | 11.966 | 35.640 | 6.44 | 11.932 | 27.10 | 31.510 | 35.823 | 0.257 | 1501.8 | 258. | 102.53 | -0.126 |
| 280. | 11.952 | 35.636 | 6.45 | 11.915 | 27.10 | 31.511 | 35.824 | 0.278 | 1502.0 | 278. | 103.04 | 0.276 |
| 300. | 11.860 | 35.618 | 6.40 | 11.821 | 27.10 | 31.517 | 35.831 | 0.298 | 1502.0 | 297. | 103.18 | 0.832 |
| 320. | 11.631 | 35.575 | 6.31 | 11.590 | 27.11 | 31.532 | 35.852 | 0.319 | 1501.5 | 317. | 102.56 | 1.390 |
| 340. | 11.474 | 35.551 | 6.14 | 11.430 | 27.13 | 31.547 | 35.870 | 0.340 | 1501.3 | 337. | 101.93 | 1.397 |
| 360. | 11.326 | 35.531 | 6.17 | 11.280 | 27.14 | 31.563 | 35.889 | 0.360 | 1501.1 | 357. | 101.18 | 1.459 |
| 380. | 11.229 | 35.518 | 6.13 | 11.181 | 27.15 | 31.573 | 35.901 | 0.380 | 1501.1 | 377. | 100.89 | 1.172 |
| 400. | 11.126 | 35.505 | 6.07 | 11.075 | 27.16 | 31.584 | 35.914 | 0.400 | 1501.0 | 396. | 100.46 | 1.256 |
| 450. | 10.967 | 35.488 | 6.05 | 10.910 | 27.17 | 31.605 | 35.939 | 0.450 | 1501.3 | 446. | 99.95 | 1.097 |
| 500. | 10.753 | 35.460 | 5.97 | 10.691 | 27.19 | 31.627 | 35.965 | 0.500 | 1501.3 | 495. | 99.38 | 1.108 |
| 550. | 10.524 | 35.431 | 5.89 | 10.457 | 27.21 | 31.651 | 35.994 | 0.549 | 1501.3 | 545. | 98.56 | 1.172 |
| 600. | 10.363 | 35.417 | 5.91 | 10.290 | 27.23 | 31.674 | 36.021 | 0.598 | 1501.5 | 594. | 97.79 | 1.156 |
| 700. | 9.900 | 35.374 | 5.48 | 9.817 | 27.28 | 31.732 | 36.089 | 0.695 | 1501.5 | 693. | 95.00 | 1.315 |
| 800. | 9.326 | 35.353 | 4.96 | 9.234 | 27.36 | 31.826 | 36.195 | 0.787 | 1501.0 | 792. | 88.76 | 1.689 |
| 900. | 8.847 | 35.392 | 4.65 | 8.746 | 27.47 | 31.946 | 36.325 | 0.871 | 1501.0 | 891. | 79.75 | 1.936 |
| 1000. | 8.130 | 35.369 | 4.64 | 8.022 | 27.56 | 32.057 | 36.452 | 0.946 | 1499.9 | 989. | 71.44 | 1.865 |
| 1100. | 7.578 | 35.362 | 4.71 | 7.463 | 27.64 | 32.147 | 36.556 | 1.014 | 1499.5 | 1088. | 64.79 | 1.697 |
| 1200. | 6.503 | 35.232 | 5.05 | 6.386 | 27.69 | 32.221 | 36.655 | 1.075 | 1496.8 | 1187. | 59.26 | 1.563 |
| 1300. | 5.531 | 35.117 | 5.46 | 5.414 | 27.72 | 32.279 | 36.737 | 1.133 | 1494.5 | 1285. | 54.73 | 1.425 |
| 1400. | 4.749 | 35.014 | 5.83 | 4.630 | 27.73 | 32.310 | 36.788 | 1.186 | 1492.8 | 1384. | 52.48 | 1.093 |
| 1500. | 4.465 | 34.984 | 5.92 | 4.340 | 27.74 | 32.326 | 36.811 | 1.238 | 1493.3 | 1482. | 51.83 | 0.782 |
| 1600. | 4.122 | 34.946 | 6.02 | 3.991 | 27.74 | 32.342 | 36.836 | 1.289 | 1493.5 | 1581. | 50.92 | 0.820 |
| 1700. | 3.940 | 34.929 | 6.09 | 3.802 | 27.75 | 32.353 | 36.852 | 1.340 | 1494.4 | 1679. | 50.63 | 0.667 |
| 1800. | 3.817 | 34.924 | 6.12 | 3.671 | 27.76 | 32.366 | 36.869 | 1.391 | 1495.5 | 1778. | 50.17 | 0.698 |
| 1900. | 3.705 | 34.919 | 6.12 | 3.552 | 27.77 | 32.377 | 36.883 | 1.441 | 1496.7 | 1876. | 49.85 | 0.655 |
| 2000. | 3.659 | 34.924 | 6.10 | 3.496 | 27.78 | 32.388 | 36.895 | 1.490 | 1498.2 | 1974. | 49.64 | 0.626 |
| 2100. | 3.614 | 34.932 | 6.08 | 3.442 | 27.79 | 32.401 | 36.910 | 1.540 | 1499.7 | 2072. | 49.19 | 0.681 |
| 2200. | 3.575 | 34.940 | 6.03 | 3.394 | 27.80 | 32.413 | 36.923 | 1.589 | 1501.3 | 2171. | 48.84 | 0.657 |
| 2300. | 3.512 | 34.948 | 6.00 | 3.323 | 27.81 | 32.428 | 36.940 | 1.637 | 1502.7 | 2269. | 48.15 | 0.737 |
| 2400. | 3.420 | 34.953 | 6.01 | 3.222 | 27.83 | 32.445 | 36.959 | 1.685 | 1504.0 | 2367. | 47.19 | 0.792 |
| 2500. | 3.343 | 34.954 | 5.99 | 3.136 | 27.84 | 32.456 | 36.973 | 1.732 | 1505.4 | 2465. | 46.70 | 0.681 |
| 2600. | 3.251 | 34.957 | 5.98 | 3.037 | 27.85 | 32.470 | 36.989 | 1.778 | 1506.7 | 2563. | 45.91 | 0.747 |
| 2700. | 3.173 | 34.959 | 5.92 | 2.950 | 27.86 | 32.482 | 37.003 | 1.824 | 1508.0 | 2661. | 45.27 | 0.710 |
| 2800. | 3.093 | 34.958 | 5.88 | 2.860 | 27.86 | 32.492 | 37.016 | 1.869 | 1509.4 | 2759. | 44.77 | 0.669 |
| 2900. | 3.019 | 34.957 | 5.81 | 2.778 | 27.87 | 32.501 | 37.026 | 1.913 | 1510.8 | 2857. | 44.43 | 0.622 |
| 3000. | 2.921 | 34.953 | 5.81 | 2.672 | 27.88 | 32.510 | 37.039 | 1.957 | 1512.1 | 2954. | 43.81 | 0.692 |
| 3100. | 2.859 | 34.950 | 5.78 | 2.601 | 27.88 | 32.516 | 37.046 | 2.001 | 1513.5 | 3052. | 43.73 | 0.540 |
| 3200. | 2.812 | 34.943 | 5.75 | 2.544 | 27.88 | 32.517 | 37.049 | 2.045 | 1515.0 | 3150. | 44.07 | 0.370 |
| 3300. | 2.720 | 34.937 | 5.72 | 2.443 | 27.88 | 32.524 | 37.059 | 2.089 | 1516.3 | 3248. | 43.58 | 0.648 |
| 3400. | 2.669 | 34.933 | 5.67 | 2.382 | 27.89 | 32.527 | 37.063 | 2.133 | 1517.8 | 3345. | 43.67 | 0.463 |


CTD11832BA
START 106 /171135
STOP 106 /180345
46 35.69N 19 46.65W
1 314
PRESS DBAR
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
2. 34.4 3.0
4. 34.8 4.0
6. 35.2 5.0
8. 35.6 6.0
10. 36.0 7.0
12. 36.4 8.0
P
S
O

# DISCOVERY 181 STATION 11832

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 12.157 | 35.664 | 5.32 | 12.156 | 27.08 | 31.481 | 35.789 | 0.010 | 1498.3 | 10. | 97.88 | -9.999 |
| 20. | 12.127 | 35.664 | 5.40 | 12.124 | 27.08 | 31.488 | 35.797 | 0.020 | 1498.4 | 20. | 97.58 | 1.395 |
| 30. | 12.120 | 35.664 | 5.44 | 12.116 | 27.08 | 31.490 | 35.798 | 0.029 | 1498.5 | 30. | 97.75 | 0.626 |
| 40. | 12.114 | 35.664 | 5.44 | 12.109 | 27.08 | 31.491 | 35.800 | 0.039 | 1498.7 | 40. | 97.92 | 0.602 |
| 50. | 12.115 | 35.664 | 5.45 | 12.108 | 27.08 | 31.491 | 35.800 | 0.049 | 1498.8 | 50. | 98.17 | 0.347 |
| 60. | 12.111 | 35.664 | 5.46 | 12.103 | 27.09 | 31.492 | 35.801 | 0.059 | 1499.0 | 59. | 98.37 | 0.507 |
| 70. | 12.112 | 35.664 | 5.46 | 12.103 | 27.09 | 31.492 | 35.801 | 0.069 | 1499.1 | 69. | 98.63 | 0.295 |
| 80. | 12.113 | 35.664 | 5.46 | 12.102 | 27.09 | 31.492 | 35.801 | 0.079 | 1499.3 | 79. | 98.90 | 0.139 |
| 100. | 12.115 | 35.664 | 5.48 | 12.102 | 27.09 | 31.493 | 35.802 | 0.098 | 1499.7 | 99. | 99.46 | 0.099 |
| 120. | 12.118 | 35.664 | 5.57 | 12.102 | 27.09 | 31.493 | 35.802 | 0.118 | 1500.0 | 119. | 100.02 | 0.109 |
| 140. | 12.120 | 35.664 | 5.80 | 12.101 | 27.09 | 31.493 | 35.802 | 0.138 | 1500.3 | 139. | 100.57 | 0.073 |
| 160. | 12.122 | 35.664 | 6.08 | 12.101 | 27.09 | 31.493 | 35.802 | 0.159 | 1500.7 | 159. | 101.14 | -0.084 |
| 180. | 12.122 | 35.663 | 6.34 | 12.098 | 27.09 | 31.493 | 35.802 | 0.179 | 1501.0 | 178. | 101.69 | 0.174 |
| 200. | 12.123 | 35.663 | 6.54 | 12.097 | 27.09 | 31.493 | 35.802 | 0.199 | 1501.3 | 198. | 102.25 | -0.105 |
| 220. | 12.127 | 35.663 | 6.57 | 12.097 | 27.09 | 31.493 | 35.802 | 0.220 | 1501.7 | 218. | 102.84 | -0.209 |
| 240. | 12.130 | 35.663 | 6.53 | 12.099 | 27.09 | 31.493 | 35.802 | 0.240 | 1502.0 | 238. | 103.36 | 0.244 |
| 260. | 12.130 | 35.662 | 6.51 | 12.095 | 27.09 | 31.493 | 35.802 | 0.261 | 1502.3 | 258. | 103.96 | -0.250 |
| 280. | 12.128 | 35.661 | 6.50 | 12.091 | 27.09 | 31.493 | 35.802 | 0.282 | 1502.7 | 277. | 104.49 | 0.205 |
| 300. | 12.104 | 35.656 | 6.51 | 12.064 | 27.09 | 31.494 | 35.804 | 0.303 | 1502.9 | 297. | 104.95 | 0.407 |
| 320. | 12.045 | 35.645 | 6.46 | 12.003 | 27.09 | 31.500 | 35.811 | 0.324 | 1503.0 | 317. | 105.11 | 0.822 |
| 340. | 11.959 | 35.628 | 6.47 | 11.915 | 27.09 | 31.505 | 35.818 | 0.345 | 1503.0 | 337. | 105.27 | 0.811 |
| 360. | 11.916 | 35.620 | 6.47 | 11.869 | 27.10 | 31.509 | 35.822 | 0.366 | 1503.2 | 357. | 105.54 | 0.685 |
| 380. | 11.871 | 35.613 | 6.49 | 11.821 | 27.10 | 31.513 | 35.828 | 0.387 | 1503.4 | 377. | 105.73 | 0.772 |
| 400. | 11.850 | 35.610 | 6.47 | 11.797 | 27.10 | 31.516 | 35.831 | 0.408 | 1503.6 | 396. | 106.06 | 0.604 |
| 450. | 11.771 | 35.596 | 6.37 | 11.712 | 27.11 | 31.523 | 35.840 | 0.462 | 1504.2 | 446. | 106.84 | 0.621 |
| 500. | 11.290 | 35.523 | 6.18 | 11.226 | 27.14 | 31.568 | 35.895 | 0.515 | 1503.3 | 495. | 104.45 | 1.579 |
| 550. | 10.834 | 35.448 | 6.00 | 10.766 | 27.17 | 31.603 | 35.940 | 0.566 | 1502.4 | 545. | 102.80 | 1.400 |
| 600. | 10.530 | 35.416 | 5.88 | 10.456 | 27.20 | 31.640 | 35.983 | 0.617 | 1502.1 | 594. | 100.88 | 1.456 |
| 700. | 9.906 | 35.348 | 5.64 | 9.823 | 27.25 | 31.710 | 36.067 | 0.716 | 1501.5 | 693. | 97.06 | 1.442 |
| 800. | 9.262 | 35.329 | 4.97 | 9.170 | 27.35 | 31.819 | 36.190 | 0.809 | 1500.8 | 792. | 89.43 | 1.820 |
| 900. | 8.744 | 35.347 | 4.75 | 8.644 | 27.45 | 31.929 | 36.312 | 0.894 | 1500.5 | 891. | 81.32 | 1.855 |
| 1000. | 7.779 | 35.298 | 4.94 | 7.674 | 27.56 | 32.062 | 36.465 | 0.971 | 1498.5 | 989. | 71.00 | 2.034 |
| 1100. | 6.858 | 35.214 | 5.15 | 6.749 | 27.62 | 32.149 | 36.575 | 1.039 | 1496.5 | 1088. | 64.46 | 1.673 |
| 1200. | 6.306 | 35.194 | 5.31 | 6.192 | 27.68 | 32.222 | 36.660 | 1.100 | 1496.0 | 1187. | 59.08 | 1.536 |
| 1300. | 5.467 | 35.100 | 5.67 | 5.350 | 27.71 | 32.275 | 36.734 | 1.157 | 1494.2 | 1285. | 55.08 | 1.358 |
| 1400. | 4.897 | 35.034 | 5.86 | 4.776 | 27.73 | 32.305 | 36.779 | 1.211 | 1493.5 | 1384. | 53.09 | 1.053 |
| 1500. | 4.382 | 34.970 | 6.02 | 4.257 | 27.74 | 32.326 | 36.813 | 1.264 | 1492.9 | 1482. | 51.71 | 0.926 |
| 1600. | 4.123 | 34.948 | 6.07 | 3.992 | 27.75 | 32.343 | 36.837 | 1.315 | 1493.5 | 1581. | 50.82 | 0.815 |
| 1700. | 3.898 | 34.926 | 6.15 | 3.761 | 27.75 | 32.356 | 36.856 | 1.365 | 1494.2 | 1679. | 50.27 | 0.728 |
| 1800. | 3.795 | 34.920 | 6.09 | 3.650 | 27.76 | 32.365 | 36.869 | 1.415 | 1495.4 | 1777. | 50.15 | 0.610 |
| 1900. | 3.685 | 34.917 | 6.11 | 3.532 | 27.77 | 32.378 | 36.884 | 1.465 | 1496.7 | 1876. | 49.71 | 0.686 |
| 2000. | 3.622 | 34.916 | 6.09 | 3.460 | 27.77 | 32.386 | 36.894 | 1.515 | 1498.1 | 1974. | 49.72 | 0.557 |
| 2100. | 3.602 | 34.925 | 6.02 | 3.431 | 27.78 | 32.397 | 36.906 | 1.565 | 1499.7 | 2072. | 49.57 | 0.601 |
| 2200. | 3.582 | 34.933 | 5.99 | 3.401 | 27.79 | 32.407 | 36.917 | 1.614 | 1501.3 | 2170. | 49.43 | 0.600 |
| 2300. | 3.537 | 34.943 | 5.95 | 3.347 | 27.81 | 32.421 | 36.932 | 1.663 | 1502.8 | 2269. | 48.87 | 0.705 |
| 2400. | 3.445 | 34.946 | 5.93 | 3.246 | 27.82 | 32.436 | 36.950 | 1.712 | 1504.1 | 2367. | 48.04 | 0.765 |
| 2500. | 3.406 | 34.950 | 5.93 | 3.199 | 27.83 | 32.445 | 36.960 | 1.760 | 1505.6 | 2465. | 47.92 | 0.584 |
| 2600. | 3.327 | 34.955 | 5.91 | 3.110 | 27.84 | 32.460 | 36.977 | 1.807 | 1507.0 | 2563. | 47.14 | 0.748 |
| 2700. | 3.244 | 34.957 | 5.89 | 3.019 | 27.85 | 32.473 | 36.992 | 1.854 | 1508.3 | 2661. | 46.42 | 0.731 |
| 2800. | 3.166 | 34.958 | 5.85 | 2.932 | 27.86 | 32.483 | 37.005 | 1.900 | 1509.7 | 2759. | 45.89 | 0.682 |
| 2900. | 3.079 | 34.957 | 5.84 | 2.837 | 27.87 | 32.494 | 37.018 | 1.946 | 1511.0 | 2856. | 45.29 | 0.695 |
| 3000. | 3.004 | 34.955 | 5.81 | 2.753 | 27.87 | 32.503 | 37.029 | 1.991 | 1512.4 | 2954. | 44.91 | 0.634 |
| 3100. | 2.942 | 34.952 | 5.75 | 2.682 | 27.88 | 32.508 | 37.037 | 2.036 | 1513.9 | 3052. | 44.79 | 0.555 |
| 3200. | 2.836 | 34.946 | 5.69 | 2.567 | 27.88 | 32.517 | 37.048 | 2.080 | 1515.1 | 3150. | 44.20 | 0.680 |
| 3300. | 2.785 | 34.943 | 5.70 | 2.506 | 27.88 | 32.521 | 37.054 | 2.124 | 1516.6 | 3247. | 44.23 | 0.498 |
| 3400. | 2.728 | 34.936 | 5.68 | 2.440 | 27.88 | 32.523 | 37.058 | 2.169 | 1518.0 | 3345. | 44.37 | 0.450 |
| 3500. | 2.691 | 34.933 | 5.65 | 2.394 | 27.89 | 32.526 | 37.062 | 2.213 | 1519.6 | 3443. | 44.55 | 0.431 |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START 106 /232445
STOP 107 /001705
47 13.95N 19 41.96W
315
1
PRESS DBAR
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
2. 4. 6. 8. 10. 12.
34.4 34.8 35.2 35.6 36.0 36.4
3.0 4.0 5.0 6.0 7.0 8.0
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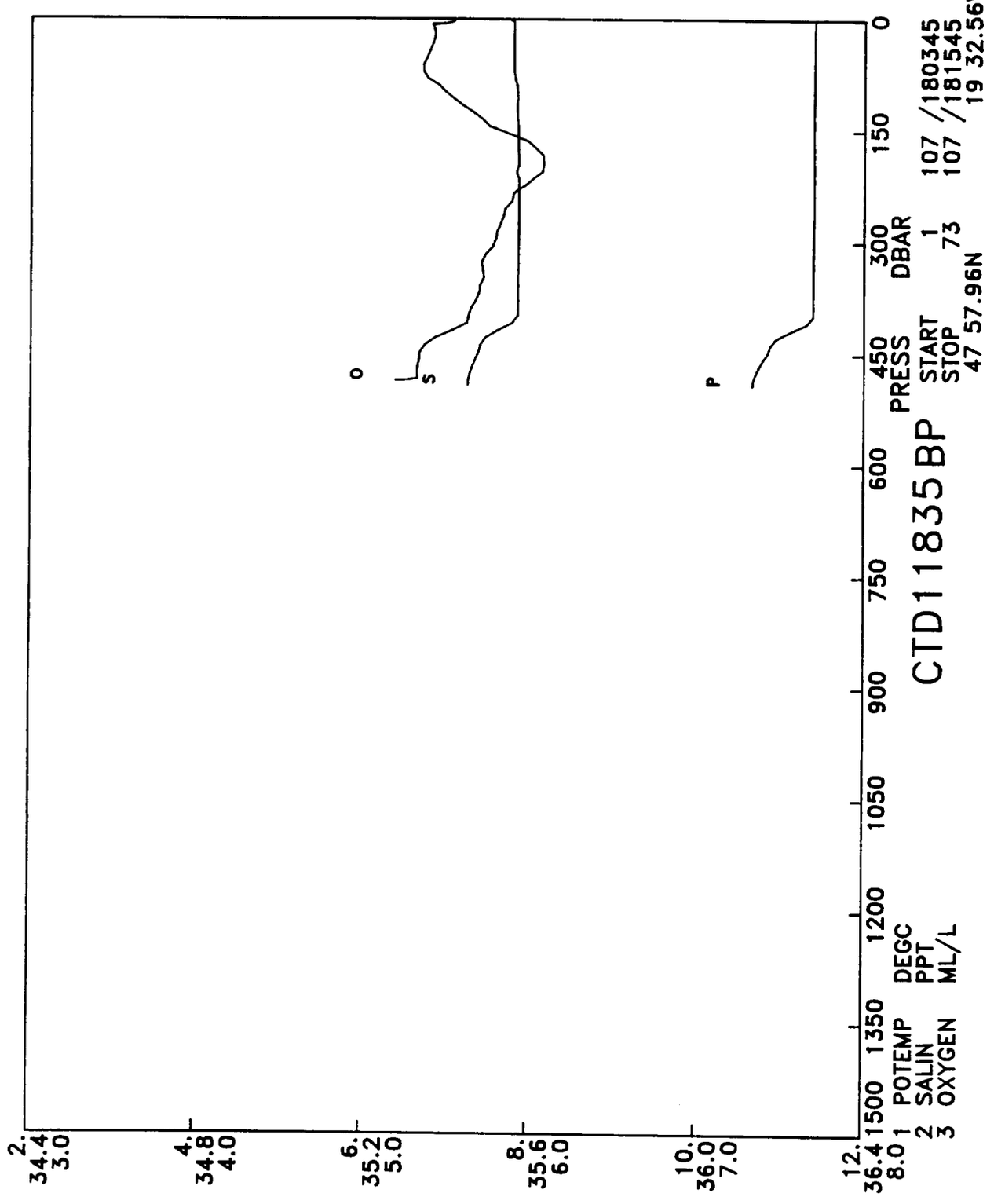
# DISCOVERY 181 STATION 11833

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 12.169 | 35.667 | 5.23 | 12.168 | 27.08 | 31.481 | 35.789 | 0.013 | 1498.4 | 10. | 97.88 | -9.999 |
| 20. | 12.169 | 35.668 | 5.33 | 12.167 | 27.08 | 31.482 | 35.789 | 0.022 | 1498.5 | 20. | 98.13 | 0.334 |
| 30. | 12.178 | 35.668 | 5.33 | 12.174 | 27.07 | 31.480 | 35.788 | 0.032 | 1498.7 | 30. | 98.53 | -0.637 |
| 40. | 12.173 | 35.668 | 5.33 | 12.168 | 27.08 | 31.481 | 35.789 | 0.042 | 1498.9 | 40. | 98.72 | 0.574 |
| 50. | 12.166 | 35.666 | 5.36 | 12.160 | 27.08 | 31.482 | 35.790 | 0.052 | 1499.0 | 50. | 98.95 | 0.396 |
| 60. | 12.170 | 35.667 | 5.36 | 12.162 | 27.08 | 31.482 | 35.790 | 0.062 | 1499.2 | 59. | 99.24 | -0.102 |
| 70. | 12.167 | 35.665 | 5.35 | 12.158 | 27.08 | 31.482 | 35.790 | 0.072 | 1499.3 | 69. | 99.55 | -0.308 |
| 80. | 12.121 | 35.658 | 5.41 | 12.110 | 27.08 | 31.487 | 35.795 | 0.082 | 1499.3 | 79. | 99.45 | 1.131 |
| 100. | 12.057 | 35.650 | 5.39 | 12.044 | 27.09 | 31.494 | 35.805 | 0.102 | 1499.4 | 99. | 99.39 | 1.016 |
| 120. | 12.053 | 35.650 | 5.44 | 12.037 | 27.09 | 31.496 | 35.806 | 0.122 | 1499.8 | 119. | 99.82 | 0.468 |
| 140. | 12.029 | 35.645 | 5.46 | 12.011 | 27.09 | 31.498 | 35.809 | 0.142 | 1500.0 | 139. | 100.25 | 0.469 |
| 160. | 11.977 | 35.635 | 5.45 | 11.956 | 27.09 | 31.501 | 35.813 | 0.162 | 1500.1 | 159. | 100.55 | 0.646 |
| 180. | 11.953 | 35.631 | 5.45 | 11.929 | 27.09 | 31.504 | 35.817 | 0.182 | 1500.4 | 178. | 100.91 | 0.576 |
| 200. | 11.845 | 35.617 | 5.43 | 11.819 | 27.10 | 31.517 | 35.831 | 0.202 | 1500.3 | 198. | 100.45 | 1.298 |
| 220. | 11.826 | 35.615 | 5.49 | 11.797 | 27.11 | 31.520 | 35.835 | 0.222 | 1500.6 | 218. | 100.76 | 0.637 |
| 240. | 11.772 | 35.609 | 5.53 | 11.740 | 27.11 | 31.527 | 35.843 | 0.242 | 1500.7 | 238. | 100.72 | 0.983 |
| 260. | 11.640 | 35.587 | 5.55 | 11.606 | 27.12 | 31.538 | 35.857 | 0.262 | 1500.6 | 258. | 100.37 | 1.222 |
| 280. | 11.565 | 35.577 | 5.50 | 11.529 | 27.13 | 31.546 | 35.867 | 0.282 | 1500.6 | 277. | 100.26 | 1.047 |
| 300. | 11.533 | 35.571 | 5.56 | 11.495 | 27.13 | 31.549 | 35.871 | 0.302 | 1500.9 | 297. | 100.55 | 0.637 |
| 320. | 11.553 | 35.580 | 5.62 | 11.512 | 27.13 | 31.553 | 35.874 | 0.323 | 1501.3 | 317. | 100.75 | 0.750 |
| 340. | 11.539 | 35.577 | 5.66 | 11.495 | 27.13 | 31.554 | 35.875 | 0.343 | 1501.5 | 337. | 101.21 | 0.347 |
| 360. | 11.537 | 35.577 | 5.64 | 11.491 | 27.13 | 31.554 | 35.876 | 0.363 | 1501.9 | 357. | 101.71 | 0.263 |
| 380. | 11.531 | 35.575 | 5.65 | 11.482 | 27.13 | 31.555 | 35.877 | 0.383 | 1502.2 | 376. | 102.19 | 0.299 |
| 400. | 11.520 | 35.573 | 5.64 | 11.468 | 27.14 | 31.556 | 35.878 | 0.404 | 1502.5 | 396. | 102.65 | 0.339 |
| 450. | 11.087 | 35.491 | 5.36 | 11.031 | 27.15 | 31.583 | 35.914 | 0.455 | 1501.7 | 446. | 101.95 | 1.161 |
| 500. | 10.623 | 35.440 | 5.12 | 10.562 | 27.20 | 31.637 | 35.979 | 0.505 | 1500.8 | 495. | 98.53 | 1.771 |
| 550. | 10.496 | 35.432 | 5.20 | 10.428 | 27.22 | 31.658 | 36.002 | 0.554 | 1501.2 | 545. | 97.93 | 1.105 |
| 600. | 10.291 | 35.412 | 5.13 | 10.218 | 27.24 | 31.684 | 36.032 | 0.603 | 1501.3 | 594. | 96.90 | 1.228 |
| 700. | 9.515 | 35.348 | 4.70 | 9.434 | 27.32 | 31.785 | 36.150 | 0.697 | 1500.0 | 693. | 90.27 | 1.733 |
| 800. | 9.240 | 35.418 | 4.49 | 9.148 | 27.42 | 31.892 | 36.263 | 0.784 | 1500.8 | 792. | 82.54 | 1.827 |
| 900. | 8.405 | 35.390 | 4.59 | 8.307 | 27.53 | 32.023 | 36.412 | 0.861 | 1499.3 | 891. | 72.63 | 2.010 |
| 1000. | 7.745 | 35.370 | 4.74 | 7.640 | 27.62 | 32.123 | 36.527 | 0.930 | 1498.5 | 989. | 65.23 | 1.773 |
| 1100. | 6.641 | 35.235 | 5.06 | 6.534 | 27.67 | 32.200 | 36.631 | 0.992 | 1495.7 | 1088. | 59.61 | 1.576 |
| 1200. | 5.717 | 35.124 | 5.40 | 5.607 | 27.70 | 32.256 | 36.709 | 1.050 | 1493.6 | 1187. | 55.63 | 1.363 |
| 1300. | 4.992 | 35.046 | 5.67 | 4.880 | 27.73 | 32.300 | 36.772 | 1.104 | 1492.2 | 1285. | 52.37 | 1.245 |
| 1400. | 4.474 | 34.988 | 5.89 | 4.358 | 27.74 | 32.326 | 36.811 | 1.155 | 1491.7 | 1384. | 50.69 | 0.984 |
| 1500. | 4.214 | 34.959 | 5.96 | 4.091 | 27.74 | 32.339 | 36.831 | 1.206 | 1492.2 | 1482. | 50.28 | 0.714 |
| 1600. | 4.029 | 34.941 | 6.01 | 3.899 | 27.75 | 32.350 | 36.847 | 1.256 | 1493.1 | 1581. | 50.04 | 0.660 |
| 1700. | 3.862 | 34.926 | 6.05 | 3.725 | 27.76 | 32.360 | 36.862 | 1.306 | 1494.1 | 1679. | 49.79 | 0.648 |
| 1800. | 3.773 | 34.922 | 6.05 | 3.628 | 27.76 | 32.370 | 36.874 | 1.355 | 1495.4 | 1777. | 49.70 | 0.598 |
| 1900. | 3.669 | 34.918 | 6.07 | 3.516 | 27.77 | 32.381 | 36.887 | 1.405 | 1496.6 | 1876. | 49.41 | 0.649 |
| 2000. | 3.621 | 34.923 | 6.05 | 3.459 | 27.78 | 32.391 | 36.900 | 1.454 | 1498.1 | 1974. | 49.21 | 0.616 |
| 2100. | 3.605 | 34.935 | 6.00 | 3.434 | 27.79 | 32.404 | 36.913 | 1.503 | 1499.7 | 2072. | 48.88 | 0.654 |
| 2200. | 3.561 | 34.941 | 5.98 | 3.381 | 27.80 | 32.415 | 36.926 | 1.552 | 1501.2 | 2170. | 48.60 | 0.635 |
| 2300. | 3.494 | 34.948 | 5.96 | 3.305 | 27.81 | 32.430 | 36.943 | 1.600 | 1502.6 | 2268. | 47.89 | 0.741 |
| 2400. | 3.378 | 34.952 | 5.97 | 3.181 | 27.83 | 32.449 | 36.964 | 1.648 | 1503.8 | 2366. | 46.65 | 0.850 |
| 2500. | 3.309 | 34.955 | 5.95 | 3.103 | 27.84 | 32.461 | 36.978 | 1.694 | 1505.2 | 2465. | 46.14 | 0.682 |
| 2600. | 3.227 | 34.958 | 5.91 | 3.013 | 27.85 | 32.474 | 36.993 | 1.740 | 1506.6 | 2563. | 45.49 | 0.715 |
| 2700. | 3.159 | 34.958 | 5.89 | 2.936 | 27.86 | 32.483 | 37.005 | 1.785 | 1508.0 | 2660. | 45.11 | 0.642 |
| 2800. | 3.079 | 34.958 | 5.84 | 2.848 | 27.87 | 32.493 | 37.017 | 1.830 | 1509.3 | 2758. | 44.61 | 0.668 |
| 2900. | 2.989 | 34.955 | 5.80 | 2.748 | 27.87 | 32.503 | 37.030 | 1.874 | 1510.6 | 2856. | 44.06 | 0.678 |
| 3000. | 2.922 | 34.953 | 5.78 | 2.673 | 27.88 | 32.510 | 37.038 | 1.918 | 1512.1 | 2954. | 43.86 | 0.578 |
| 3100. | 2.851 | 34.943 | 5.75 | 2.593 | 27.88 | 32.511 | 37.042 | 1.962 | 1513.5 | 3052. | 44.05 | 0.440 |
| 3200. | 2.787 | 34.943 | 5.73 | 2.520 | 27.88 | 32.520 | 37.053 | 2.006 | 1514.9 | 3149. | 43.65 | 0.628 |


CTD11835BP
START 107 /180345
STOP 107 /181545
47 57.96N 19 32.56W
PRESS DBAR
0 150 300 450 600 750 900 1050 1200 1350 1500
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
2. 4. 6. 8. 10. 12.
34.4 34.8 35.2 35.6 36.0 36.4
3.0 4.0 5.0 6.0 7.0 8.0
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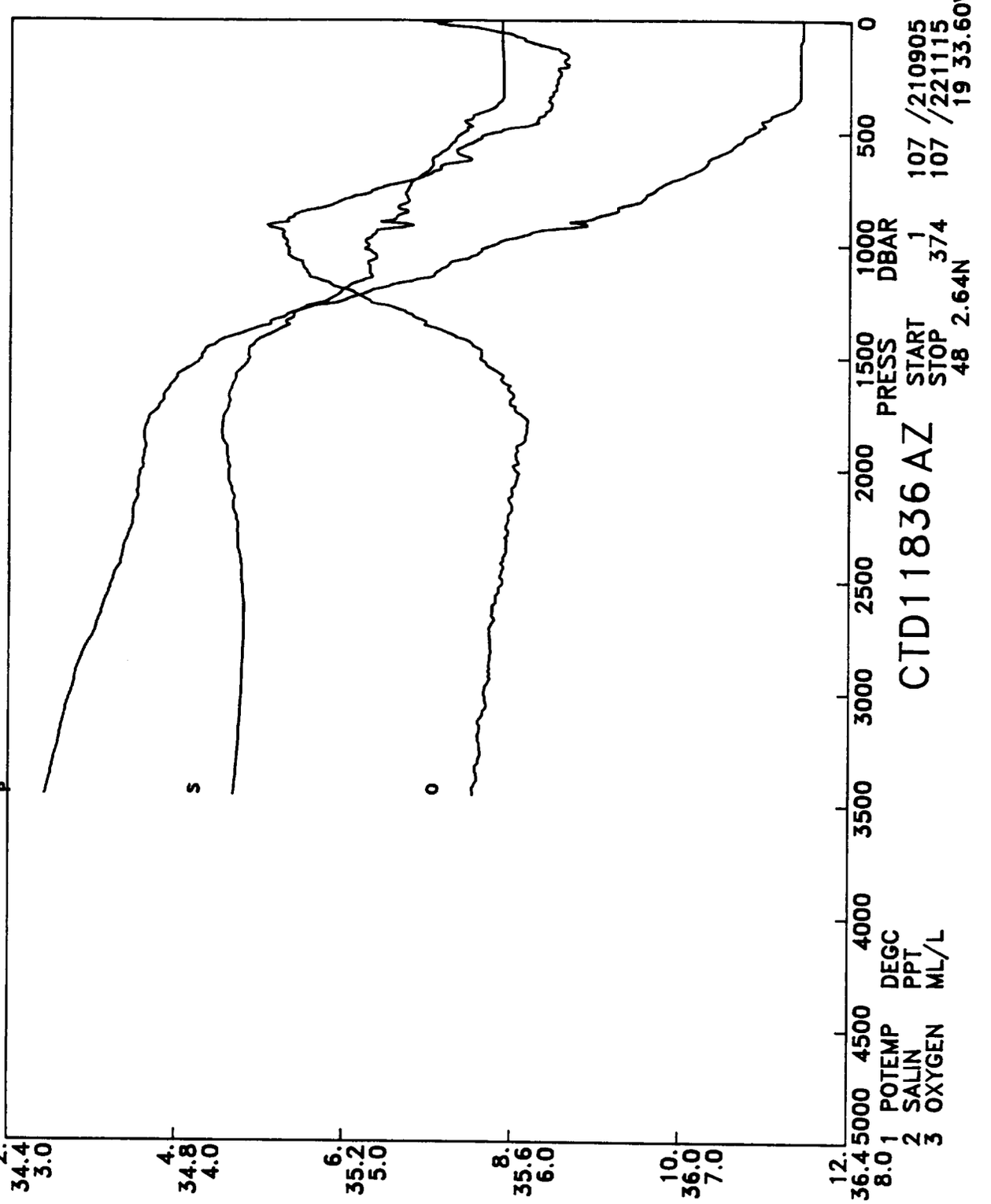
P

# DISCOVERY 181 STATION 11835

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 11.397 | 35.563 | 5.42 | 11.396 | 27.14 | 31.563 | 35.887 | 0.009 | 1495.6 | 10. | 91.65 | -9.999 |
| 20. | 11.399 | 35.562 | 5.43 | 11.396 | 27.14 | 31.563 | 35.886 | 0.018 | 1495.8 | 20. | 91.94 | -0.260 |
| 30. | 11.399 | 35.563 | 5.42 | 11.396 | 27.14 | 31.563 | 35.887 | 0.028 | 1495.9 | 30. | 92.19 | 0.269 |
| 40. | 11.402 | 35.563 | 5.40 | 11.397 | 27.14 | 31.563 | 35.886 | 0.037 | 1496.1 | 40. | 92.47 | -0.251 |
| 50. | 11.404 | 35.563 | 5.38 | 11.397 | 27.14 | 31.563 | 35.886 | 0.046 | 1496.3 | 50. | 92.73 | 0.170 |
| 60. | 11.404 | 35.563 | 5.37 | 11.396 | 27.14 | 31.563 | 35.887 | 0.055 | 1496.4 | 59. | 92.99 | 0.209 |
| 70. | 11.405 | 35.563 | 5.36 | 11.396 | 27.14 | 31.563 | 35.887 | 0.065 | 1496.6 | 69. | 93.24 | 0.250 |
| 80. | 11.407 | 35.566 | 5.38 | 11.397 | 27.14 | 31.566 | 35.889 | 0.074 | 1496.8 | 79. | 93.29 | 0.853 |
| 100. | 11.406 | 35.572 | 5.51 | 11.394 | 27.15 | 31.571 | 35.894 | 0.093 | 1497.1 | 99. | 93.31 | 0.919 |
| 120. | 11.406 | 35.569 | 5.61 | 11.391 | 27.15 | 31.569 | 35.893 | 0.111 | 1497.4 | 119. | 94.00 | -0.507 |
| 140. | 11.410 | 35.574 | 5.74 | 11.392 | 27.15 | 31.572 | 35.896 | 0.130 | 1497.8 | 139. | 94.26 | 0.674 |
| 160. | 11.413 | 35.574 | 5.95 | 11.393 | 27.15 | 31.572 | 35.896 | 0.149 | 1498.1 | 159. | 94.79 | 0.046 |
| 180. | 11.419 | 35.575 | 6.08 | 11.396 | 27.15 | 31.572 | 35.896 | 0.168 | 1498.5 | 178. | 95.32 | 0.089 |
| 200. | 11.426 | 35.576 | 6.10 | 11.400 | 27.15 | 31.572 | 35.896 | 0.187 | 1498.8 | 198. | 95.83 | 0.230 |
| 220. | 11.425 | 35.576 | 6.01 | 11.398 | 27.15 | 31.573 | 35.896 | 0.206 | 1499.2 | 218. | 96.34 | 0.188 |
| 240. | 11.429 | 35.576 | 5.91 | 11.398 | 27.15 | 31.573 | 35.896 | 0.226 | 1499.5 | 238. | 96.88 | -0.123 |
| 260. | 11.431 | 35.576 | 5.84 | 11.398 | 27.15 | 31.573 | 35.896 | 0.245 | 1499.8 | 258. | 97.38 | 0.226 |
| 280. | 11.430 | 35.575 | 5.82 | 11.394 | 27.15 | 31.573 | 35.896 | 0.265 | 1500.2 | 277. | 97.94 | -0.201 |
| 300. | 11.429 | 35.574 | 5.79 | 11.390 | 27.15 | 31.573 | 35.897 | 0.284 | 1500.5 | 297. | 98.44 | 0.232 |
| 320. | 11.430 | 35.574 | 5.72 | 11.389 | 27.15 | 31.573 | 35.897 | 0.304 | 1500.8 | 317. | 98.97 | 0.077 |
| 340. | 11.432 | 35.574 | 5.72 | 11.389 | 27.15 | 31.573 | 35.897 | 0.324 | 1501.2 | 337. | 99.52 | -0.176 |
| 360. | 11.434 | 35.573 | 5.69 | 11.388 | 27.15 | 31.573 | 35.896 | 0.344 | 1501.5 | 357. | 100.06 | -0.143 |
| 380. | 11.437 | 35.574 | 5.68 | 11.388 | 27.15 | 31.574 | 35.897 | 0.364 | 1501.8 | 376. | 100.52 | 0.346 |
| 400. | 11.436 | 35.573 | 5.63 | 11.385 | 27.15 | 31.574 | 35.897 | 0.384 | 1502.2 | 396. | 101.05 | 0.066 |
| 450. | 10.897 | 35.478 | 5.34 | 10.841 | 27.18 | 31.611 | 35.947 | 0.434 | 1501.0 | 446. | 99.44 | 1.396 |


2.
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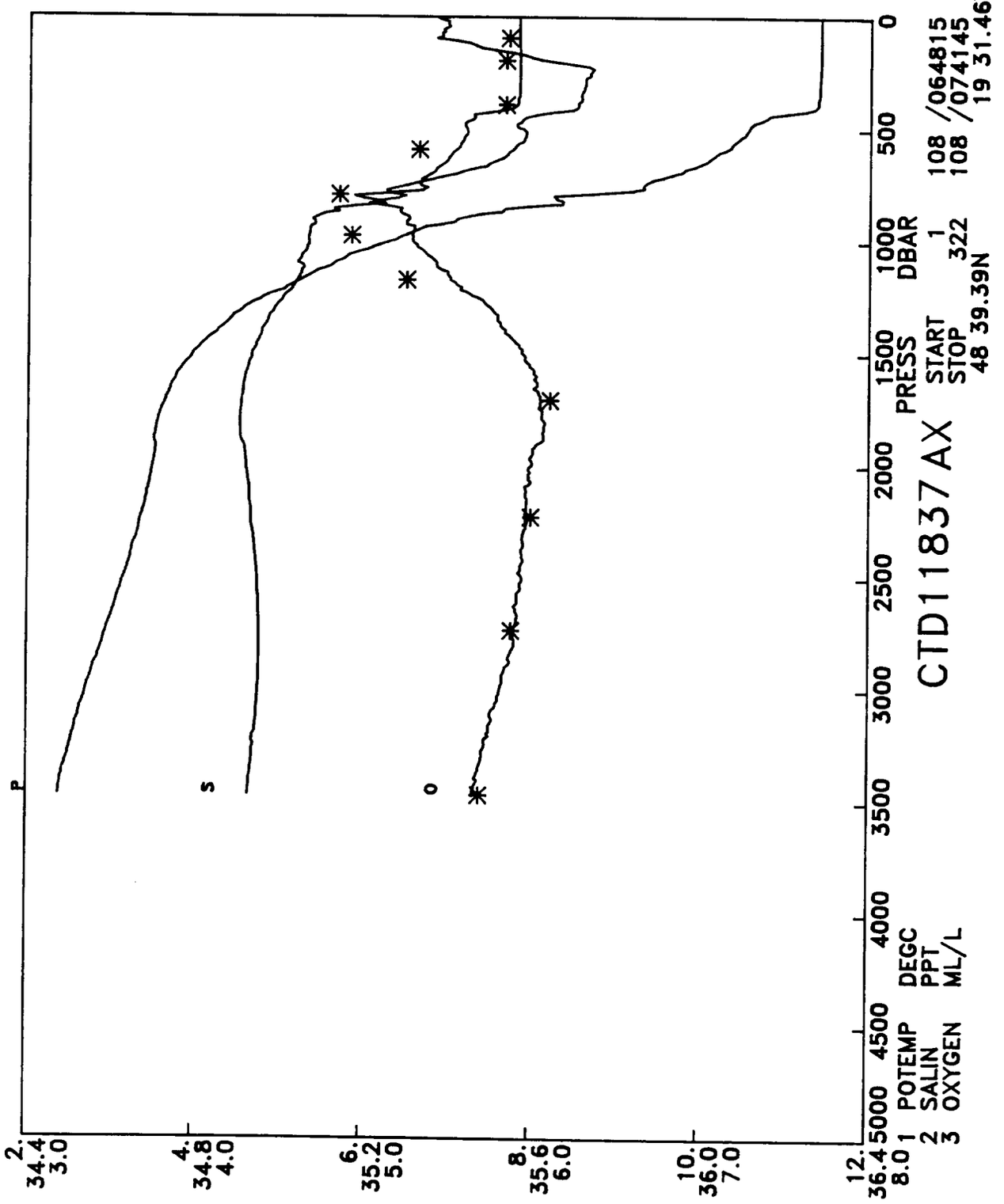
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
CTD11836AZ
START 107 /210905
STOP 107 /221115
48 2.64N 19 33.60W

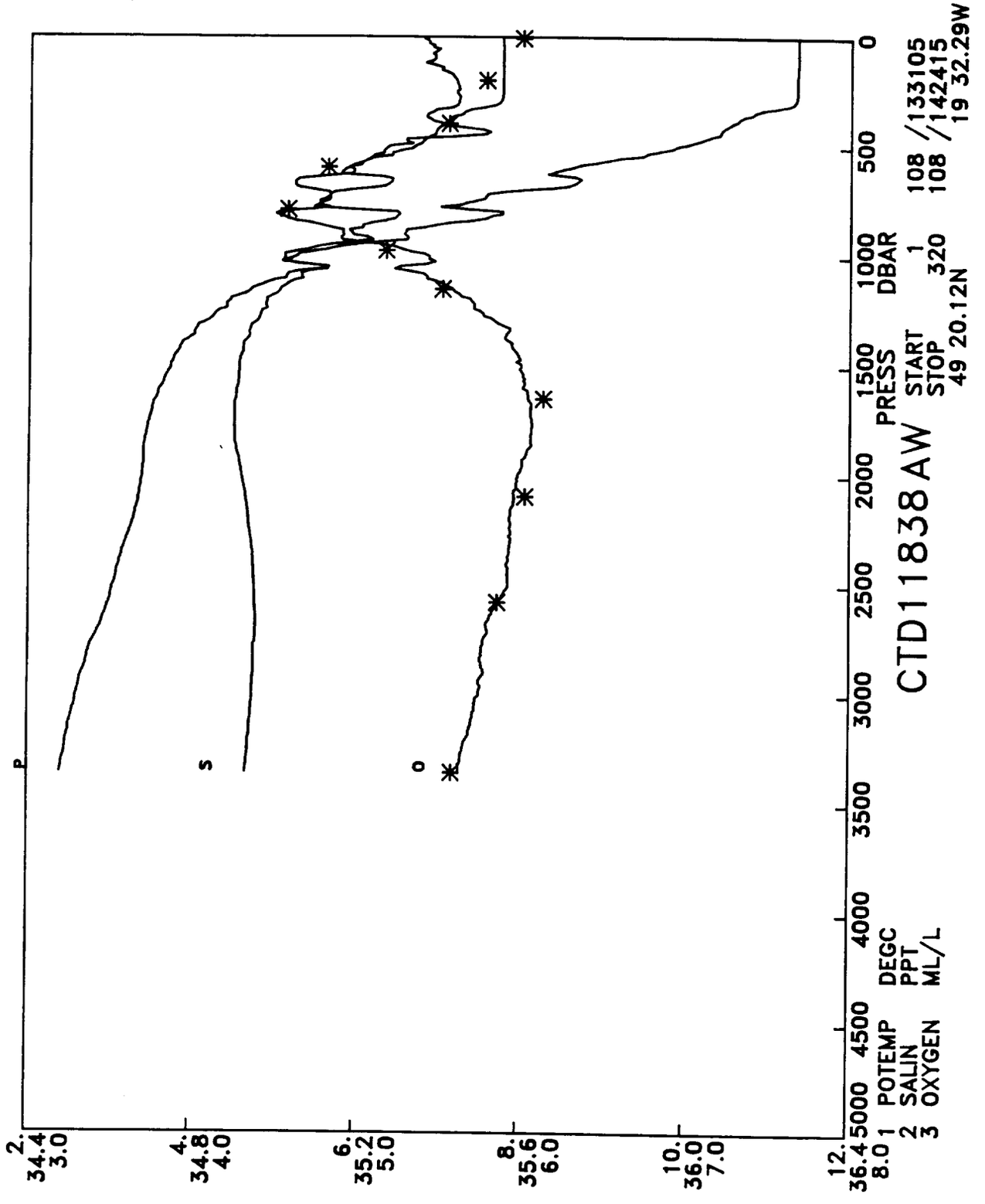
# DISCOVERY 181 STATION 11836

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 11.437 | 35.571 | 5.55 | 11.436 | 27.14 | 31.561 | 35.884 | 0.009 | 1495.7 | 10. | 91.72 | -9.999 |
| 20. | 11.438 | 35.572 | 5.59 | 11.435 | 27.14 | 31.562 | 35.885 | 0.018 | 1495.9 | 20. | 91.93 | 0.455 |
| 30. | 11.440 | 35.572 | 5.78 | 11.436 | 27.14 | 31.562 | 35.884 | 0.028 | 1496.1 | 30. | 92.22 | -0.251 |
| 40. | 11.440 | 35.572 | 5.85 | 11.435 | 27.14 | 31.562 | 35.885 | 0.037 | 1496.2 | 40. | 92.48 | 0.072 |
| 50. | 11.439 | 35.572 | 5.91 | 11.433 | 27.14 | 31.562 | 35.885 | 0.046 | 1496.4 | 50. | 92.71 | 0.381 |
| 60. | 11.436 | 35.571 | 5.99 | 11.429 | 27.14 | 31.563 | 35.886 | 0.055 | 1496.6 | 59. | 92.94 | 0.335 |
| 70. | 11.438 | 35.571 | 6.01 | 11.429 | 27.14 | 31.563 | 35.886 | 0.065 | 1496.7 | 69. | 93.20 | 0.196 |
| 80. | 11.440 | 35.572 | 6.06 | 11.430 | 27.14 | 31.563 | 35.886 | 0.074 | 1496.9 | 79. | 93.45 | 0.207 |
| 100. | 11.412 | 35.572 | 6.09 | 11.400 | 27.15 | 31.570 | 35.893 | 0.093 | 1497.1 | 99. | 93.42 | 0.977 |
| 120. | 11.415 | 35.573 | 6.21 | 11.400 | 27.15 | 31.570 | 35.893 | 0.111 | 1497.5 | 119. | 93.93 | 0.208 |
| 140. | 11.418 | 35.574 | 6.31 | 11.400 | 27.15 | 31.571 | 35.894 | 0.130 | 1497.8 | 139. | 94.37 | 0.396 |
| 160. | 11.420 | 35.574 | 6.34 | 11.400 | 27.15 | 31.571 | 35.894 | 0.149 | 1498.2 | 159. | 94.89 | 0.170 |
| 180. | 11.425 | 35.575 | 6.25 | 11.402 | 27.15 | 31.571 | 35.894 | 0.168 | 1498.5 | 178. | 95.43 | -0.115 |
| 200. | 11.429 | 35.575 | 6.34 | 11.403 | 27.15 | 31.571 | 35.894 | 0.187 | 1498.8 | 198. | 95.98 | -0.172 |
| 220. | 11.431 | 35.575 | 6.27 | 11.403 | 27.15 | 31.571 | 35.894 | 0.207 | 1499.2 | 218. | 96.48 | 0.256 |
| 240. | 11.435 | 35.575 | 6.27 | 11.405 | 27.15 | 31.571 | 35.894 | 0.226 | 1499.5 | 238. | 97.02 | -0.116 |
| 260. | 11.439 | 35.575 | 6.25 | 11.406 | 27.15 | 31.571 | 35.894 | 0.245 | 1499.9 | 258. | 97.57 | -0.157 |
| 280. | 11.441 | 35.575 | 6.27 | 11.405 | 27.15 | 31.571 | 35.894 | 0.265 | 1500.2 | 277. | 98.12 | -0.168 |
| 300. | 11.443 | 35.576 | 6.25 | 11.405 | 27.15 | 31.571 | 35.894 | 0.285 | 1500.5 | 297. | 98.61 | 0.265 |
| 320. | 11.445 | 35.575 | 6.23 | 11.404 | 27.15 | 31.571 | 35.894 | 0.304 | 1500.9 | 317. | 99.16 | -0.189 |
| 340. | 11.446 | 35.574 | 6.22 | 11.402 | 27.15 | 31.571 | 35.894 | 0.324 | 1501.2 | 337. | 99.73 | -0.230 |
| 360. | 11.420 | 35.569 | 6.21 | 11.374 | 27.15 | 31.573 | 35.897 | 0.344 | 1501.4 | 357. | 100.09 | 0.518 |
| 380. | 11.370 | 35.558 | 6.21 | 11.321 | 27.15 | 31.575 | 35.900 | 0.364 | 1501.6 | 376. | 100.50 | 0.454 |
| 400. | 11.281 | 35.540 | 6.19 | 11.230 | 27.15 | 31.579 | 35.906 | 0.384 | 1501.6 | 396. | 100.71 | 0.725 |
| 450. | 10.995 | 35.482 | 6.16 | 10.938 | 27.16 | 31.595 | 35.928 | 0.435 | 1501.4 | 446. | 100.89 | 0.863 |
| 500. | 10.907 | 35.479 | 5.89 | 10.844 | 27.18 | 31.611 | 35.946 | 0.485 | 1501.9 | 495. | 100.76 | 0.971 |
| 550. | 10.708 | 35.451 | 5.73 | 10.640 | 27.19 | 31.630 | 35.970 | 0.536 | 1502.0 | 545. | 100.36 | 1.051 |
| 600. | 10.501 | 35.420 | 5.67 | 10.427 | 27.21 | 31.649 | 35.993 | 0.586 | 1502.0 | 594. | 100.01 | 1.032 |
| 700. | 10.091 | 35.375 | 5.45 | 10.007 | 27.24 | 31.696 | 36.049 | 0.685 | 1502.2 | 693. | 98.30 | 1.173 |
| 800. | 9.626 | 35.351 | 4.99 | 9.532 | 27.31 | 31.768 | 36.131 | 0.781 | 1502.1 | 792. | 94.05 | 1.483 |
| 900. | 8.748 | 35.282 | 4.66 | 8.647 | 27.40 | 31.878 | 36.261 | 0.871 | 1500.5 | 891. | 86.14 | 1.840 |
| 1000. | 7.878 | 35.257 | 4.65 | 7.772 | 27.51 | 32.013 | 36.415 | 0.952 | 1498.8 | 989. | 75.56 | 2.055 |
| 1100. | 7.324 | 35.261 | 4.74 | 7.211 | 27.59 | 32.110 | 36.525 | 1.024 | 1498.4 | 1088. | 68.21 | 1.759 |
| 1200. | 6.485 | 35.197 | 4.99 | 6.368 | 27.66 | 32.196 | 36.631 | 1.089 | 1496.7 | 1187. | 61.55 | 1.677 |
| 1300. | 5.520 | 35.083 | 5.36 | 5.403 | 27.69 | 32.254 | 36.712 | 1.148 | 1494.4 | 1285. | 57.07 | 1.419 |
| 1400. | 4.890 | 35.026 | 5.63 | 4.769 | 27.72 | 32.299 | 36.774 | 1.203 | 1493.4 | 1384. | 53.58 | 1.272 |
| 1500. | 4.408 | 34.969 | 5.81 | 4.283 | 27.73 | 32.321 | 36.808 | 1.256 | 1493.0 | 1482. | 52.15 | 0.936 |
| 1600. | 4.115 | 34.940 | 5.93 | 3.985 | 27.74 | 32.338 | 36.833 | 1.308 | 1493.5 | 1581. | 51.29 | 0.810 |
| 1700. | 3.963 | 34.927 | 5.97 | 3.825 | 27.75 | 32.349 | 36.847 | 1.359 | 1494.5 | 1679. | 51.05 | 0.652 |
| 1800. | 3.784 | 34.909 | 6.09 | 3.639 | 27.75 | 32.358 | 36.862 | 1.410 | 1495.4 | 1777. | 50.80 | 0.645 |
| 1900. | 3.789 | 34.919 | 6.02 | 3.634 | 27.76 | 32.367 | 36.871 | 1.461 | 1497.1 | 1876. | 50.95 | 0.526 |
| 2000. | 3.761 | 34.927 | 5.99 | 3.597 | 27.77 | 32.377 | 36.882 | 1.511 | 1498.7 | 1974. | 50.85 | 0.598 |
| 2100. | 3.696 | 34.932 | 5.99 | 3.524 | 27.78 | 32.390 | 36.897 | 1.562 | 1500.1 | 2072. | 50.40 | 0.688 |
| 2200. | 3.655 | 34.939 | 5.99 | 3.473 | 27.79 | 32.403 | 36.910 | 1.612 | 1501.6 | 2170. | 50.06 | 0.656 |
| 2300. | 3.604 | 34.945 | 5.97 | 3.413 | 27.80 | 32.415 | 36.924 | 1.662 | 1503.1 | 2268. | 49.65 | 0.673 |
| 2400. | 3.535 | 34.953 | 5.94 | 3.335 | 27.82 | 32.431 | 36.942 | 1.711 | 1504.5 | 2366. | 48.85 | 0.764 |
| 2500. | 3.439 | 34.956 | 5.93 | 3.231 | 27.83 | 32.446 | 36.960 | 1.760 | 1505.8 | 2464. | 47.98 | 0.776 |
| 2600. | 3.344 | 34.962 | 5.90 | 3.127 | 27.84 | 32.463 | 36.979 | 1.807 | 1507.1 | 2562. | 46.91 | 0.813 |
| 2700. | 3.263 | 34.961 | 5.87 | 3.037 | 27.85 | 32.473 | 36.992 | 1.854 | 1508.4 | 2660. | 46.45 | 0.671 |
| 2800. | 3.136 | 34.959 | 5.88 | 2.903 | 27.86 | 32.488 | 37.010 | 1.900 | 1509.6 | 2758. | 45.39 | 0.802 |
| 2900. | 3.039 | 34.957 | 5.86 | 2.797 | 27.87 | 32.498 | 37.024 | 1.945 | 1510.9 | 2856. | 44.71 | 0.712 |
| 3000. | 2.985 | 34.955 | 5.83 | 2.734 | 27.87 | 32.504 | 37.031 | 1.990 | 1512.3 | 2954. | 44.67 | 0.533 |
| 3100. | 2.914 | 34.952 | 5.82 | 2.654 | 27.88 | 32.511 | 37.040 | 2.034 | 1513.7 | 3052. | 44.41 | 0.597 |
| 3200. | 2.864 | 34.949 | 5.80 | 2.595 | 27.88 | 32.516 | 37.046 | 2.079 | 1515.2 | 3149. | 44.45 | 0.497 |
| 3300. | 2.805 | 34.944 | 5.80 | 2.526 | 27.88 | 32.520 | 37.053 | 2.123 | 1516.7 | 3247. | 44.41 | 0.521 |
| 3400. | 2.754 | 34.940 | 5.78 | 2.466 | 27.88 | 32.523 | 37.058 | 2.168 | 1518.2 | 3345. | 44.49 | 0.474 |


CTD11837AX
START 108 /064815
STOP 108 /074145
48 39.39N 19 31.46W
PRESS DBAR
1 322
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
P
S
O

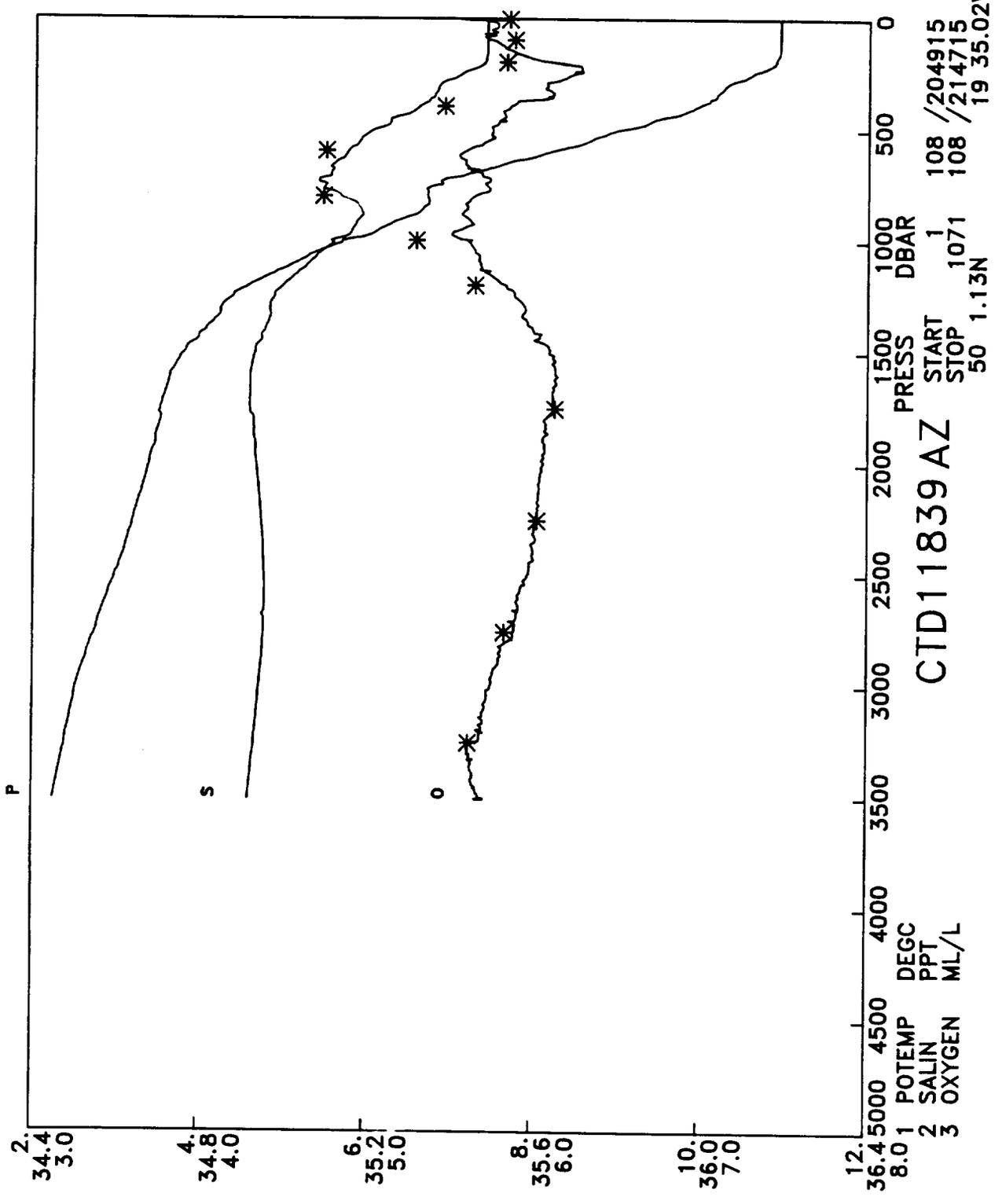
# DISCOVERY 181 STATION 11837

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 11.409 | 35.566 | 5.46 | 11.408 | 27.14 | 31.563 | 35.887 | 0.009 | 1495.6 | 10. | 91.58 | -9.999 |
| 20. | 11.412 | 35.567 | 5.49 | 11.409 | 27.14 | 31.564 | 35.887 | 0.018 | 1495.8 | 20. | 91.83 | 0.260 |
| 30. | 11.412 | 35.567 | 5.48 | 11.409 | 27.14 | 31.564 | 35.887 | 0.028 | 1496.0 | 30. | 92.10 | 0.121 |
| 40. | 11.415 | 35.567 | 5.47 | 11.410 | 27.14 | 31.563 | 35.886 | 0.037 | 1496.1 | 40. | 92.41 | -0.381 |
| 50. | 11.415 | 35.567 | 5.48 | 11.409 | 27.14 | 31.563 | 35.887 | 0.046 | 1496.3 | 50. | 92.65 | 0.269 |
| 60. | 11.417 | 35.567 | 5.45 | 11.410 | 27.14 | 31.563 | 35.886 | 0.055 | 1496.5 | 59. | 92.95 | -0.295 |
| 70. | 11.418 | 35.567 | 5.46 | 11.409 | 27.14 | 31.564 | 35.887 | 0.065 | 1496.7 | 69. | 93.16 | 0.434 |
| 80. | 11.420 | 35.567 | 5.46 | 11.409 | 27.14 | 31.563 | 35.887 | 0.074 | 1496.8 | 79. | 93.47 | -0.374 |
| 100. | 11.423 | 35.567 | 5.49 | 11.410 | 27.14 | 31.563 | 35.887 | 0.093 | 1497.2 | 99. | 94.00 | 0.067 |
| 120. | 11.426 | 35.568 | 5.66 | 11.411 | 27.14 | 31.564 | 35.887 | 0.112 | 1497.5 | 119. | 94.46 | 0.373 |
| 140. | 11.425 | 35.569 | 5.71 | 11.407 | 27.14 | 31.565 | 35.889 | 0.130 | 1497.8 | 139. | 94.88 | 0.427 |
| 160. | 11.426 | 35.569 | 5.85 | 11.406 | 27.14 | 31.566 | 35.889 | 0.149 | 1498.2 | 159. | 95.40 | 0.157 |
| 180. | 11.427 | 35.568 | 6.00 | 11.404 | 27.14 | 31.566 | 35.889 | 0.169 | 1498.5 | 178. | 95.93 | 0.133 |
| 200. | 11.427 | 35.569 | 6.16 | 11.402 | 27.14 | 31.566 | 35.890 | 0.188 | 1498.8 | 198. | 96.41 | 0.284 |
| 220. | 11.430 | 35.569 | 6.31 | 11.402 | 27.14 | 31.566 | 35.890 | 0.207 | 1499.2 | 218. | 96.93 | 0.139 |
| 240. | 11.430 | 35.568 | 6.33 | 11.399 | 27.14 | 31.566 | 35.890 | 0.227 | 1499.5 | 238. | 97.48 | -0.132 |
| 260. | 11.430 | 35.569 | 6.34 | 11.397 | 27.15 | 31.567 | 35.891 | 0.246 | 1499.8 | 258. | 97.92 | 0.398 |
| 280. | 11.429 | 35.568 | 6.31 | 11.394 | 27.15 | 31.568 | 35.891 | 0.266 | 1500.2 | 277. | 98.43 | 0.191 |
| 300. | 11.431 | 35.568 | 6.31 | 11.393 | 27.15 | 31.567 | 35.891 | 0.286 | 1500.5 | 297. | 98.98 | -0.175 |
| 320. | 11.431 | 35.567 | 6.31 | 11.390 | 27.15 | 31.567 | 35.891 | 0.305 | 1500.8 | 317. | 99.52 | -0.153 |
| 340. | 11.430 | 35.566 | 6.28 | 11.386 | 27.15 | 31.568 | 35.891 | 0.325 | 1501.2 | 337. | 100.02 | 0.243 |
| 360. | 11.427 | 35.565 | 6.27 | 11.381 | 27.15 | 31.568 | 35.892 | 0.345 | 1501.5 | 357. | 100.56 | -0.116 |
| 380. | 11.424 | 35.563 | 6.26 | 11.375 | 27.15 | 31.568 | 35.891 | 0.366 | 1501.8 | 376. | 101.12 | -0.225 |
| 400. | 11.398 | 35.558 | 6.24 | 11.346 | 27.15 | 31.569 | 35.894 | 0.386 | 1502.0 | 396. | 101.51 | 0.476 |
| 450. | 10.805 | 35.462 | 5.95 | 10.750 | 27.18 | 31.617 | 35.954 | 0.436 | 1500.7 | 446. | 98.97 | 1.601 |
| 500. | 10.605 | 35.446 | 5.94 | 10.544 | 27.21 | 31.646 | 35.988 | 0.485 | 1500.8 | 495. | 97.72 | 1.294 |
| 550. | 10.474 | 35.434 | 5.94 | 10.407 | 27.22 | 31.664 | 36.008 | 0.534 | 1501.1 | 545. | 97.41 | 1.018 |
| 600. | 10.281 | 35.411 | 5.86 | 10.209 | 27.24 | 31.685 | 36.033 | 0.583 | 1501.2 | 594. | 96.83 | 1.096 |
| 700. | 9.759 | 35.360 | 5.55 | 9.676 | 27.29 | 31.748 | 36.108 | 0.679 | 1500.9 | 693. | 93.60 | 1.367 |
| 800. | 8.243 | 35.161 | 5.26 | 8.158 | 27.38 | 31.871 | 36.265 | 0.768 | 1496.8 | 792. | 84.95 | 1.902 |
| 900. | 7.200 | 35.078 | 5.27 | 7.109 | 27.47 | 31.984 | 36.403 | 0.849 | 1494.4 | 890. | 76.51 | 1.859 |
| 1000. | 6.399 | 35.070 | 5.30 | 6.305 | 27.57 | 32.107 | 36.544 | 0.920 | 1492.9 | 989. | 66.72 | 1.962 |
| 1100. | 5.688 | 35.042 | 5.44 | 5.589 | 27.64 | 32.194 | 36.649 | 0.984 | 1491.7 | 1088. | 59.93 | 1.670 |
| 1200. | 5.202 | 35.032 | 5.56 | 5.098 | 27.69 | 32.258 | 36.725 | 1.041 | 1491.4 | 1186. | 55.13 | 1.440 |
| 1300. | 4.693 | 34.989 | 5.75 | 4.584 | 27.71 | 32.296 | 36.775 | 1.094 | 1490.9 | 1285. | 52.54 | 1.136 |
| 1400. | 4.377 | 34.957 | 5.85 | 4.262 | 27.72 | 32.314 | 36.802 | 1.146 | 1491.2 | 1384. | 51.68 | 0.824 |
| 1500. | 4.088 | 34.935 | 5.93 | 3.967 | 27.74 | 32.336 | 36.831 | 1.197 | 1491.7 | 1482. | 50.38 | 0.895 |
| 1600. | 3.894 | 34.919 | 6.04 | 3.766 | 27.75 | 32.350 | 36.850 | 1.247 | 1492.5 | 1580. | 49.84 | 0.724 |
| 1700. | 3.784 | 34.912 | 6.05 | 3.648 | 27.75 | 32.359 | 36.863 | 1.297 | 1493.7 | 1679. | 49.77 | 0.593 |
| 1800. | 3.696 | 34.907 | 6.06 | 3.552 | 27.76 | 32.368 | 36.874 | 1.346 | 1495.0 | 1777. | 49.73 | 0.578 |
| 1900. | 3.671 | 34.912 | 6.06 | 3.518 | 27.77 | 32.376 | 36.882 | 1.396 | 1496.6 | 1875. | 49.87 | 0.519 |
| 2000. | 3.654 | 34.923 | 5.99 | 3.492 | 27.78 | 32.388 | 36.895 | 1.446 | 1498.2 | 1974. | 49.62 | 0.634 |
| 2100. | 3.613 | 34.932 | 5.96 | 3.442 | 27.79 | 32.401 | 36.909 | 1.495 | 1499.7 | 2072. | 49.23 | 0.667 |
| 2200. | 3.559 | 34.936 | 5.96 | 3.378 | 27.80 | 32.412 | 36.922 | 1.544 | 1501.2 | 2170. | 48.92 | 0.644 |
| 2300. | 3.508 | 34.940 | 5.95 | 3.319 | 27.81 | 32.422 | 36.934 | 1.593 | 1502.7 | 2268. | 48.69 | 0.622 |
| 2400. | 3.433 | 34.946 | 5.97 | 3.235 | 27.82 | 32.437 | 36.951 | 1.641 | 1504.0 | 2366. | 47.91 | 0.753 |
| 2500. | 3.363 | 34.951 | 5.96 | 3.156 | 27.83 | 32.451 | 36.967 | 1.689 | 1505.4 | 2464. | 47.24 | 0.724 |
| 2600. | 3.281 | 34.954 | 5.91 | 3.066 | 27.84 | 32.464 | 36.983 | 1.736 | 1506.8 | 2562. | 46.53 | 0.732 |
| 2700. | 3.199 | 34.956 | 5.91 | 2.975 | 27.85 | 32.477 | 36.997 | 1.782 | 1508.1 | 2660. | 45.86 | 0.716 |
| 2800. | 3.125 | 34.956 | 5.88 | 2.892 | 27.86 | 32.486 | 37.009 | 1.828 | 1509.5 | 2758. | 45.45 | 0.648 |
| 2900. | 3.030 | 34.955 | 5.84 | 2.789 | 27.87 | 32.498 | 37.023 | 1.873 | 1510.8 | 2856. | 44.72 | 0.722 |
| 3000. | 2.956 | 34.953 | 5.80 | 2.706 | 27.87 | 32.506 | 37.034 | 1.917 | 1512.2 | 2954. | 44.33 | 0.635 |
| 3100. | 2.877 | 34.950 | 5.76 | 2.618 | 27.88 | 32.514 | 37.044 | 1.961 | 1513.6 | 3051. | 43.98 | 0.619 |
| 3200. | 2.814 | 34.938 | 5.73 | 2.546 | 27.88 | 32.512 | 37.045 | 2.005 | 1515.0 | 3149. | 44.46 | 0.306 |
| 3300. | 2.758 | 34.940 | 5.71 | 2.481 | 27.88 | 32.521 | 37.055 | 2.049 | 1516.5 | 3247. | 44.02 | 0.635 |
| 3400. | 2.688 | 34.933 | 5.67 | 2.402 | 27.89 | 32.525 | 37.061 | 2.093 | 1517.9 | 3344. | 43.93 | 0.527 |


CTD11838AW
START 108 /133105
STOP 108 /142415
49 20.12N 19 32.29W
PRESS DBAR
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
P
S
O

## DISCOVERY 181 STATION 11838

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 11.352 | 35.555 | 5.43 | 11.351 | 27.14 | 31.566 | 35.891 | 0.009 | 1495.4 | 10. | 91.42 | -9.999 |
| 20. | 11.350 | 35.555 | 5.42 | 11.348 | 27.14 | 31.567 | 35.892 | 0.018 | 1495.6 | 20. | 91.63 | 0.434 |
| 30. | 11.350 | 35.556 | 5.44 | 11.346 | 27.15 | 31.568 | 35.893 | 0.027 | 1495.7 | 30. | 91.78 | 0.640 |
| 40. | 11.352 | 35.556 | 5.47 | 11.347 | 27.15 | 31.568 | 35.892 | 0.037 | 1495.9 | 40. | 92.09 | -0.380 |
| 50. | 11.353 | 35.555 | 5.50 | 11.347 | 27.14 | 31.567 | 35.892 | 0.046 | 1496.1 | 50. | 92.39 | -0.368 |
| 60. | 11.354 | 35.556 | 5.50 | 11.347 | 27.15 | 31.568 | 35.892 | 0.055 | 1496.3 | 59. | 92.63 | 0.303 |
| 70. | 11.356 | 35.555 | 5.41 | 11.347 | 27.14 | 31.567 | 35.892 | 0.064 | 1496.4 | 69. | 92.93 | -0.318 |
| 80. | 11.357 | 35.555 | 5.47 | 11.347 | 27.14 | 31.568 | 35.892 | 0.074 | 1496.6 | 79. | 93.18 | 0.250 |
| 100. | 11.360 | 35.555 | 5.44 | 11.347 | 27.14 | 31.567 | 35.892 | 0.092 | 1496.9 | 99. | 93.74 | -0.197 |
| 120. | 11.361 | 35.555 | 5.46 | 11.346 | 27.14 | 31.568 | 35.892 | 0.111 | 1497.3 | 119. | 94.26 | 0.122 |
| 140. | 11.361 | 35.555 | 5.52 | 11.344 | 27.15 | 31.568 | 35.893 | 0.130 | 1497.6 | 139. | 94.75 | 0.279 |
| 160. | 11.360 | 35.555 | 5.53 | 11.340 | 27.15 | 31.569 | 35.894 | 0.149 | 1497.9 | 159. | 95.19 | 0.385 |
| 180. | 11.357 | 35.555 | 5.59 | 11.334 | 27.15 | 31.570 | 35.895 | 0.168 | 1498.2 | 178. | 95.64 | 0.358 |
| 200. | 11.361 | 35.555 | 5.61 | 11.335 | 27.15 | 31.570 | 35.894 | 0.187 | 1498.6 | 198. | 96.20 | -0.215 |
| 220. | 11.360 | 35.555 | 5.62 | 11.333 | 27.15 | 31.570 | 35.895 | 0.207 | 1498.9 | 218. | 96.72 | 0.176 |
| 240. | 11.365 | 35.555 | 5.60 | 11.334 | 27.15 | 31.570 | 35.894 | 0.226 | 1499.3 | 238. | 97.26 | -0.160 |
| 260. | 11.362 | 35.553 | 5.63 | 11.329 | 27.15 | 31.570 | 35.895 | 0.246 | 1499.6 | 258. | 97.80 | -0.140 |
| 280. | 11.364 | 35.553 | 5.62 | 11.328 | 27.15 | 31.570 | 35.895 | 0.265 | 1499.9 | 277. | 98.34 | -0.082 |
| 300. | 11.322 | 35.545 | 5.61 | 11.284 | 27.15 | 31.572 | 35.898 | 0.285 | 1500.1 | 297. | 98.67 | 0.566 |
| 320. | 11.096 | 35.503 | 5.56 | 11.056 | 27.16 | 31.587 | 35.918 | 0.305 | 1499.6 | 317. | 98.13 | 1.335 |
| 340. | 10.862 | 35.461 | 5.47 | 10.820 | 27.17 | 31.602 | 35.938 | 0.324 | 1499.0 | 337. | 97.57 | 1.339 |
| 360. | 10.720 | 35.434 | 5.40 | 10.675 | 27.17 | 31.610 | 35.949 | 0.344 | 1498.8 | 357. | 97.50 | 0.980 |
| 380. | 10.659 | 35.424 | 5.45 | 10.613 | 27.18 | 31.615 | 35.956 | 0.363 | 1498.9 | 376. | 97.57 | 0.846 |
| 400. | 10.557 | 35.409 | 5.52 | 10.508 | 27.18 | 31.624 | 35.966 | 0.383 | 1498.9 | 396. | 97.39 | 1.069 |
| 450. | 10.378 | 35.385 | 5.69 | 10.323 | 27.20 | 31.642 | 35.988 | 0.431 | 1499.1 | 446. | 97.15 | 0.989 |
| 500. | 9.924 | 35.339 | 5.17 | 9.865 | 27.24 | 31.695 | 36.052 | 0.479 | 1498.2 | 495. | 93.79 | 1.747 |
| 550. | 9.248 | 35.239 | 5.07 | 9.185 | 27.28 | 31.747 | 36.118 | 0.526 | 1496.5 | 545. | 90.78 | 1.666 |
| 600. | 8.599 | 35.170 | 4.97 | 8.534 | 27.33 | 31.812 | 36.198 | 0.570 | 1494.8 | 594. | 86.28 | 1.930 |
| 700. | 7.990 | 35.159 | 4.79 | 7.917 | 27.41 | 31.911 | 36.311 | 0.652 | 1494.2 | 693. | 79.37 | 1.727 |
| 800. | 7.870 | 35.301 | 4.53 | 7.786 | 27.54 | 32.045 | 36.446 | 0.727 | 1495.5 | 792. | 68.78 | 2.049 |
| 900. | 6.649 | 35.187 | 4.92 | 6.563 | 27.63 | 32.158 | 36.588 | 0.791 | 1492.4 | 890. | 60.29 | 1.857 |
| 1000. | 5.352 | 35.023 | 5.45 | 5.265 | 27.66 | 32.227 | 36.689 | 0.848 | 1488.7 | 989. | 55.49 | 1.455 |
| 1100. | 5.250 | 35.072 | 5.43 | 5.154 | 27.71 | 32.281 | 36.746 | 0.901 | 1490.0 | 1088. | 51.69 | 1.314 |
| 1200. | 4.554 | 34.980 | 5.72 | 4.455 | 27.72 | 32.307 | 36.789 | 0.952 | 1488.7 | 1186. | 50.27 | 0.946 |
| 1300. | 4.286 | 34.958 | 5.84 | 4.181 | 27.73 | 32.326 | 36.816 | 1.002 | 1489.2 | 1285. | 49.43 | 0.813 |
| 1400. | 3.974 | 34.924 | 5.96 | 3.863 | 27.74 | 32.341 | 36.839 | 1.051 | 1489.5 | 1383. | 48.77 | 0.758 |
| 1500. | 3.849 | 34.914 | 6.01 | 3.731 | 27.75 | 32.350 | 36.852 | 1.100 | 1490.6 | 1482. | 48.77 | 0.579 |
| 1600. | 3.743 | 34.912 | 6.00 | 3.617 | 27.76 | 32.363 | 36.867 | 1.148 | 1491.9 | 1580. | 48.41 | 0.669 |
| 1700. | 3.639 | 34.904 | 6.07 | 3.505 | 27.76 | 32.371 | 36.879 | 1.197 | 1493.1 | 1679. | 48.39 | 0.571 |
| 1800. | 3.584 | 34.905 | 6.07 | 3.441 | 27.77 | 32.379 | 36.888 | 1.245 | 1494.5 | 1777. | 48.45 | 0.540 |
| 1900. | 3.557 | 34.911 | 6.05 | 3.405 | 27.78 | 32.389 | 36.899 | 1.294 | 1496.1 | 1875. | 48.37 | 0.578 |
| 2000. | 3.550 | 34.922 | 5.99 | 3.389 | 27.79 | 32.400 | 36.910 | 1.342 | 1497.8 | 1974. | 48.27 | 0.584 |
| 2100. | 3.515 | 34.933 | 5.97 | 3.345 | 27.80 | 32.413 | 36.924 | 1.390 | 1499.3 | 2072. | 47.79 | 0.686 |
| 2200. | 3.466 | 34.939 | 5.92 | 3.287 | 27.81 | 32.425 | 36.938 | 1.438 | 1500.8 | 2170. | 47.42 | 0.654 |
| 2300. | 3.382 | 34.946 | 5.93 | 3.194 | 27.82 | 32.442 | 36.957 | 1.485 | 1502.1 | 2268. | 46.45 | 0.793 |
| 2400. | 3.304 | 34.951 | 5.92 | 3.108 | 27.84 | 32.457 | 36.974 | 1.531 | 1503.5 | 2366. | 45.65 | 0.752 |
| 2500. | 3.246 | 34.954 | 5.93 | 3.041 | 27.84 | 32.467 | 36.986 | 1.576 | 1505.0 | 2464. | 45.32 | 0.633 |
| 2600. | 3.176 | 34.956 | 5.86 | 2.962 | 27.85 | 32.478 | 36.999 | 1.621 | 1506.4 | 2562. | 44.86 | 0.663 |
| 2700. | 3.084 | 34.957 | 5.80 | 2.862 | 27.86 | 32.491 | 37.014 | 1.666 | 1507.7 | 2660. | 44.11 | 0.732 |
| 2800. | 2.970 | 34.952 | 5.77 | 2.741 | 27.87 | 32.501 | 37.028 | 1.709 | 1508.9 | 2758. | 43.40 | 0.715 |
| 2900. | 2.900 | 34.952 | 5.80 | 2.661 | 27.88 | 32.510 | 37.039 | 1.753 | 1510.3 | 2856. | 42.99 | 0.636 |
| 3000. | 2.839 | 34.949 | 5.76 | 2.592 | 27.88 | 32.516 | 37.047 | 1.795 | 1511.7 | 2953. | 42.89 | 0.540 |
| 3100. | 2.785 | 34.945 | 5.72 | 2.529 | 27.88 | 32.520 | 37.053 | 1.838 | 1513.2 | 3051. | 42.90 | 0.501 |
| 3200. | 2.735 | 34.940 | 5.69 | 2.469 | 27.88 | 32.523 | 37.057 | 1.881 | 1514.7 | 3149. | 43.07 | 0.441 |
| 3300. | 2.698 | 34.936 | 5.65 | 2.422 | 27.89 | 32.525 | 37.060 | 1.925 | 1516.2 | 3247. | 43.38 | 0.375 |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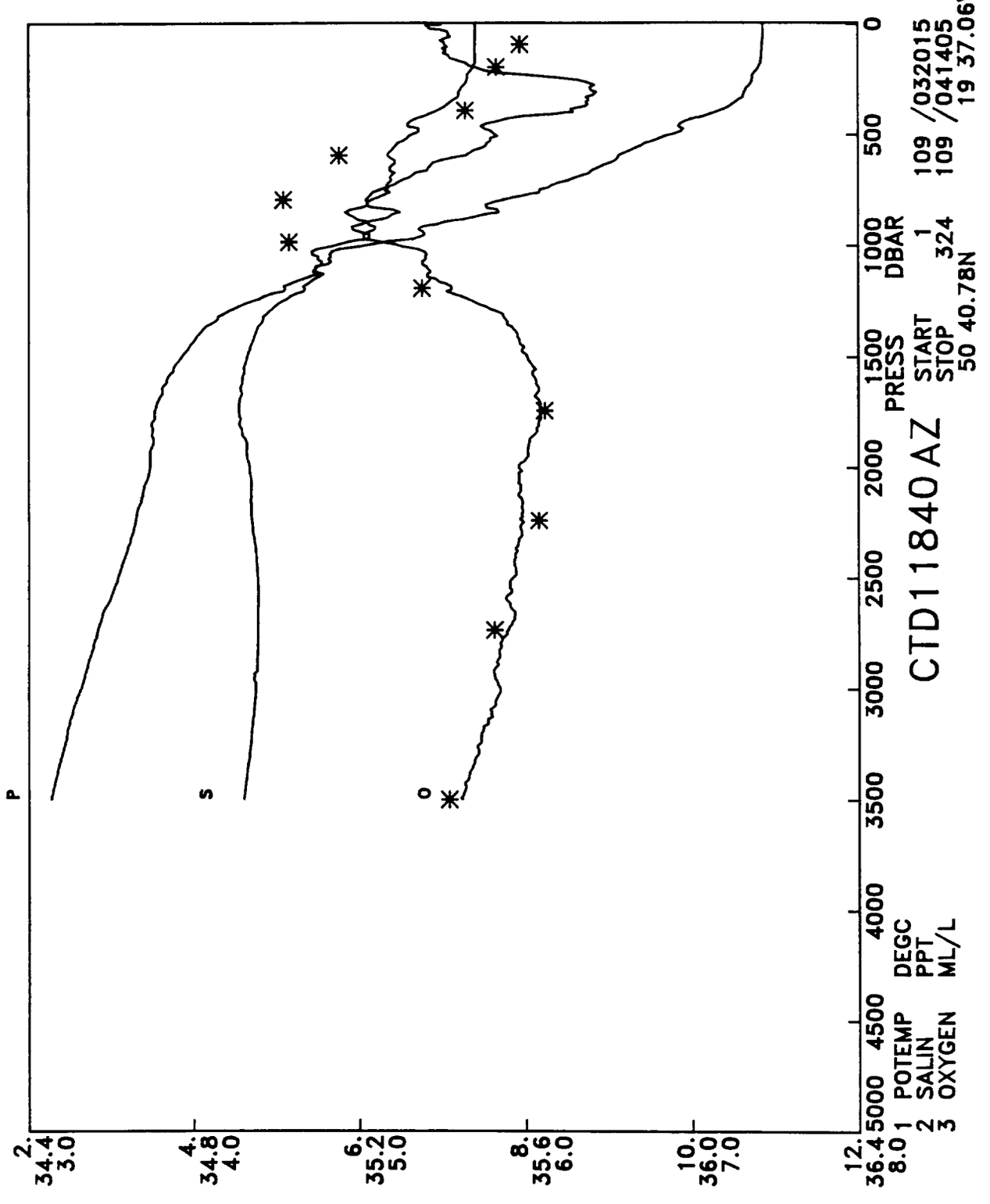
5000 4500 4000 3500 3000 2500 2000 1500 1000 500 0
PRESS DBAR
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
CTD11839AZ
START 1 108 /204915
STOP 1071 108 /214715
50 1.13N 19 35.02W

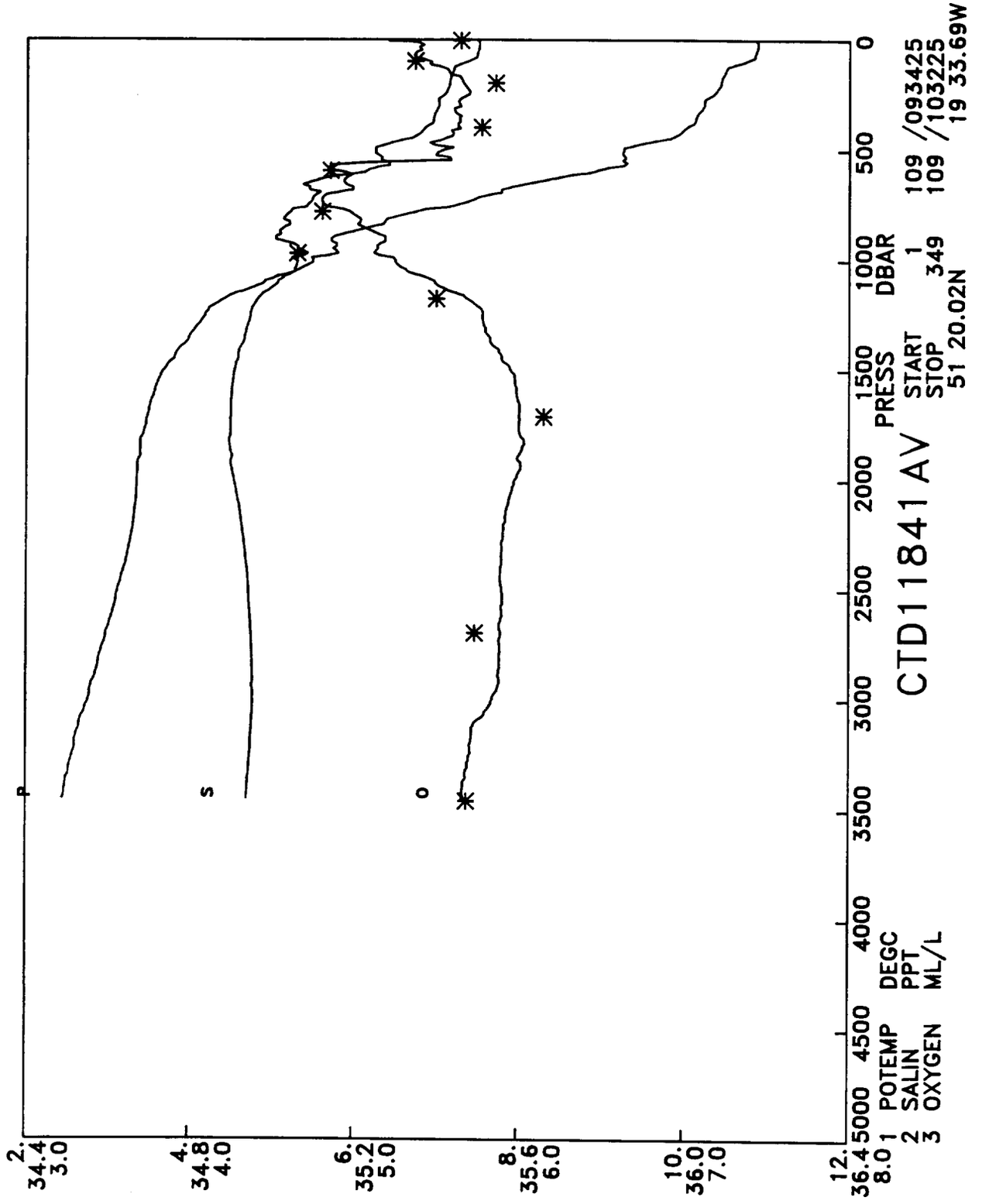
# DISCOVERY 181 STATION 11839

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 10.937 | 35.487 | 5.73 | 10.936 | 27.17 | 31.599 | 35.932 | 0.009 | 1493.9 | 10. | 89.22 | -9.999 |
| 20. | 10.937 | 35.487 | 5.77 | 10.935 | 27.17 | 31.599 | 35.932 | 0.018 | 1494.1 | 20. | 89.46 | 0.220 |
| 30. | 10.937 | 35.486 | 5.78 | 10.934 | 27.17 | 31.599 | 35.932 | 0.027 | 1494.2 | 30. | 89.74 | -0.269 |
| 40. | 10.939 | 35.486 | 5.76 | 10.934 | 27.17 | 31.598 | 35.931 | 0.036 | 1494.4 | 40. | 90.04 | -0.368 |
| 50. | 10.940 | 35.486 | 5.75 | 10.934 | 27.17 | 31.599 | 35.932 | 0.045 | 1494.6 | 50. | 90.26 | 0.380 |
| 60. | 10.941 | 35.486 | 5.77 | 10.933 | 27.17 | 31.599 | 35.932 | 0.054 | 1494.7 | 59. | 90.52 | -0.155 |
| 70. | 10.942 | 35.487 | 5.72 | 10.934 | 27.17 | 31.599 | 35.932 | 0.063 | 1494.9 | 69. | 90.74 | 0.374 |
| 80. | 10.942 | 35.486 | 5.71 | 10.933 | 27.17 | 31.599 | 35.932 | 0.072 | 1495.1 | 79. | 91.01 | -0.218 |
| 100. | 10.943 | 35.486 | 5.77 | 10.931 | 27.17 | 31.599 | 35.932 | 0.090 | 1495.4 | 99. | 91.51 | 0.164 |
| 120. | 10.944 | 35.486 | 5.81 | 10.929 | 27.17 | 31.600 | 35.933 | 0.109 | 1495.7 | 119. | 91.98 | 0.279 |
| 140. | 10.945 | 35.486 | 5.83 | 10.928 | 27.17 | 31.600 | 35.933 | 0.127 | 1496.1 | 139. | 92.49 | 0.072 |
| 160. | 10.941 | 35.485 | 5.90 | 10.921 | 27.17 | 31.601 | 35.934 | 0.146 | 1496.4 | 159. | 92.93 | 0.375 |
| 180. | 10.909 | 35.483 | 5.99 | 10.886 | 27.17 | 31.606 | 35.940 | 0.164 | 1496.6 | 178. | 93.02 | 0.839 |
| 200. | 10.886 | 35.479 | 6.15 | 10.861 | 27.17 | 31.608 | 35.942 | 0.183 | 1496.8 | 198. | 93.38 | 0.494 |
| 220. | 10.802 | 35.461 | 6.27 | 10.775 | 27.18 | 31.611 | 35.948 | 0.202 | 1496.9 | 218. | 93.69 | 0.574 |
| 240. | 10.658 | 35.433 | 6.27 | 10.629 | 27.18 | 31.619 | 35.958 | 0.220 | 1496.6 | 238. | 93.75 | 0.871 |
| 260. | 10.579 | 35.417 | 6.19 | 10.548 | 27.18 | 31.623 | 35.964 | 0.239 | 1496.7 | 258. | 93.96 | 0.683 |
| 280. | 10.394 | 35.384 | 6.15 | 10.361 | 27.19 | 31.634 | 35.979 | 0.258 | 1496.3 | 277. | 93.72 | 1.113 |
| 300. | 10.320 | 35.372 | 6.09 | 10.284 | 27.19 | 31.640 | 35.987 | 0.277 | 1496.4 | 297. | 93.77 | 0.850 |
| 320. | 10.278 | 35.369 | 6.09 | 10.240 | 27.20 | 31.646 | 35.994 | 0.295 | 1496.5 | 317. | 93.72 | 0.950 |
| 340. | 10.226 | 35.361 | 6.11 | 10.186 | 27.20 | 31.651 | 36.000 | 0.314 | 1496.7 | 337. | 93.81 | 0.811 |
| 360. | 10.136 | 35.348 | 6.08 | 10.093 | 27.21 | 31.659 | 36.010 | 0.333 | 1496.7 | 357. | 93.67 | 1.016 |
| 380. | 10.077 | 35.340 | 5.90 | 10.032 | 27.21 | 31.664 | 36.017 | 0.352 | 1496.8 | 376. | 93.71 | 0.848 |
| 400. | 9.963 | 35.323 | 5.85 | 9.916 | 27.22 | 31.674 | 36.029 | 0.370 | 1496.7 | 396. | 93.44 | 1.115 |
| 450. | 9.492 | 35.254 | 5.79 | 9.441 | 27.25 | 31.710 | 36.076 | 0.417 | 1495.7 | 446. | 91.72 | 1.387 |
| 500. | 9.032 | 35.213 | 5.75 | 8.976 | 27.29 | 31.765 | 36.141 | 0.462 | 1494.8 | 495. | 88.19 | 1.761 |
| 550. | 8.721 | 35.183 | 5.72 | 8.661 | 27.32 | 31.799 | 36.182 | 0.505 | 1494.4 | 545. | 86.33 | 1.397 |
| 600. | 8.230 | 35.156 | 5.59 | 8.167 | 27.37 | 31.866 | 36.260 | 0.548 | 1493.4 | 594. | 81.54 | 1.973 |
| 700. | 7.256 | 35.114 | 5.66 | 7.187 | 27.48 | 32.000 | 36.416 | 0.625 | 1491.3 | 693. | 71.52 | 1.997 |
| 800. | 6.812 | 35.142 | 5.61 | 6.735 | 27.57 | 32.095 | 36.521 | 0.693 | 1491.3 | 792. | 64.52 | 1.711 |
| 900. | 6.536 | 35.182 | 5.59 | 6.451 | 27.64 | 32.172 | 36.605 | 0.754 | 1491.9 | 890. | 59.02 | 1.549 |
| 1000. | 5.804 | 35.114 | 5.62 | 5.714 | 27.68 | 32.232 | 36.683 | 0.811 | 1490.6 | 989. | 55.01 | 1.366 |
| 1100. | 5.232 | 35.061 | 5.69 | 5.137 | 27.71 | 32.275 | 36.740 | 0.864 | 1489.9 | 1088. | 52.31 | 1.173 |
| 1200. | 4.684 | 34.999 | 5.83 | 4.584 | 27.72 | 32.304 | 36.783 | 0.916 | 1489.2 | 1186. | 50.61 | 0.996 |
| 1300. | 4.343 | 34.966 | 5.97 | 4.238 | 27.73 | 32.325 | 36.813 | 0.966 | 1489.4 | 1285. | 49.57 | 0.857 |
| 1400. | 4.167 | 34.955 | 6.01 | 4.054 | 27.74 | 32.341 | 36.833 | 1.015 | 1490.4 | 1383. | 49.03 | 0.739 |
| 1500. | 3.929 | 34.932 | 6.10 | 3.810 | 27.75 | 32.354 | 36.853 | 1.064 | 1491.0 | 1482. | 48.53 | 0.720 |
| 1600. | 3.763 | 34.920 | 6.14 | 3.636 | 27.76 | 32.367 | 36.870 | 1.112 | 1492.0 | 1580. | 48.09 | 0.691 |
| 1700. | 3.702 | 34.920 | 6.11 | 3.567 | 27.77 | 32.376 | 36.882 | 1.160 | 1493.4 | 1679. | 48.06 | 0.576 |
| 1800. | 3.672 | 34.930 | 6.07 | 3.528 | 27.78 | 32.388 | 36.895 | 1.208 | 1494.9 | 1777. | 47.78 | 0.643 |
| 1900. | 3.618 | 34.934 | 6.06 | 3.466 | 27.79 | 32.399 | 36.907 | 1.256 | 1496.4 | 1875. | 47.57 | 0.622 |
| 2000. | 3.550 | 34.937 | 6.05 | 3.389 | 27.80 | 32.412 | 36.922 | 1.303 | 1497.8 | 1973. | 47.15 | 0.672 |
| 2100. | 3.485 | 34.943 | 6.03 | 3.316 | 27.81 | 32.425 | 36.937 | 1.350 | 1499.2 | 2072. | 46.63 | 0.695 |
| 2200. | 3.412 | 34.948 | 6.04 | 3.234 | 27.82 | 32.439 | 36.953 | 1.396 | 1500.6 | 2170. | 46.01 | 0.716 |
| 2300. | 3.345 | 34.952 | 6.01 | 3.159 | 27.83 | 32.452 | 36.967 | 1.442 | 1502.0 | 2268. | 45.47 | 0.691 |
| 2400. | 3.284 | 34.954 | 6.01 | 3.088 | 27.84 | 32.461 | 36.979 | 1.487 | 1503.4 | 2366. | 45.19 | 0.622 |
| 2500. | 3.183 | 34.957 | 5.96 | 2.980 | 27.85 | 32.477 | 36.998 | 1.532 | 1504.7 | 2464. | 44.19 | 0.790 |
| 2600. | 3.096 | 34.957 | 5.91 | 2.884 | 27.86 | 32.489 | 37.012 | 1.576 | 1506.0 | 2562. | 43.60 | 0.692 |
| 2700. | 3.005 | 34.955 | 5.91 | 2.785 | 27.87 | 32.498 | 37.024 | 1.619 | 1507.3 | 2660. | 43.08 | 0.669 |
| 2800. | 2.918 | 34.953 | 5.85 | 2.690 | 27.88 | 32.508 | 37.036 | 1.662 | 1508.6 | 2758. | 42.57 | 0.663 |
| 2900. | 2.844 | 34.949 | 5.79 | 2.606 | 27.88 | 32.515 | 37.045 | 1.705 | 1510.0 | 2855. | 42.33 | 0.586 |
| 3000. | 2.761 | 34.944 | 5.75 | 2.515 | 27.88 | 32.521 | 37.054 | 1.747 | 1511.4 | 2953. | 42.06 | 0.587 |
| 3100. | 2.720 | 34.940 | 5.73 | 2.465 | 27.88 | 32.523 | 37.057 | 1.789 | 1512.9 | 3051. | 42.32 | 0.403 |
| 3200. | 2.671 | 34.935 | 5.71 | 2.407 | 27.89 | 32.526 | 37.062 | 1.831 | 1514.4 | 3149. | 42.48 | 0.437 |
| 3300. | 2.635 | 34.930 | 5.62 | 2.360 | 27.89 | 32.528 | 37.065 | 1.874 | 1515.9 | 3246. | 42.76 | 0.379 |
| 3400. | 2.590 | 34.925 | 5.65 | 2.306 | 27.89 | 32.529 | 37.068 | 1.917 | 1517.4 | 3344. | 42.98 | 0.407 |
| 3500. | 2.551 | 34.920 | 5.68 | 2.257 | 27.89 | 32.531 | 37.071 | 1.960 | 1519.0 | 3442. | 43.25 | 0.383 |


CTD11840AZ
START 109 /032015
STOP 109 /041405
50 40.78N 19 37.06W
PRESS DBAR
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
P
S
O

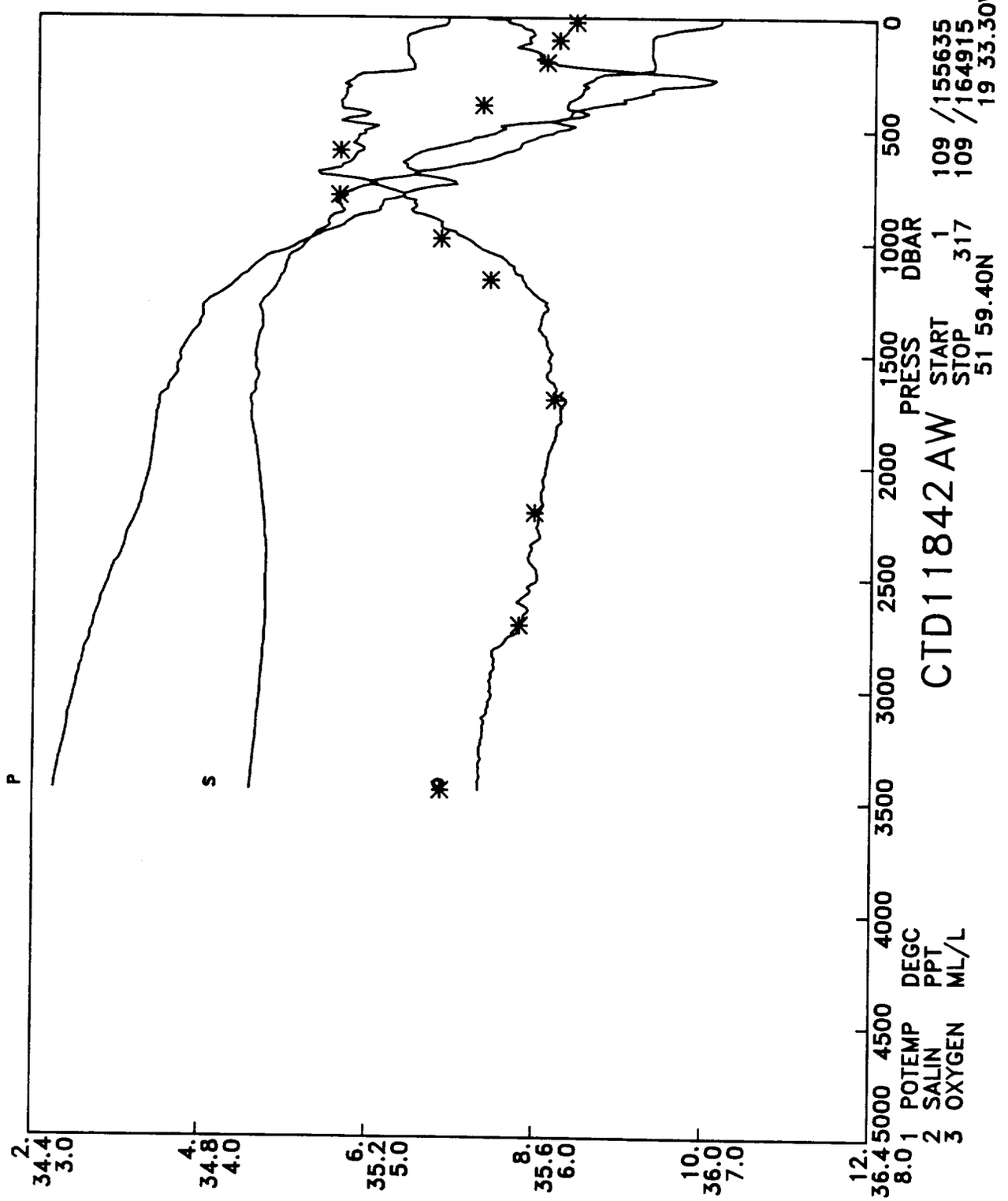
# DISCOVERY 181 STATION 11840

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMAQ $KG/M^3$ | SIG1000 $KG/M^3$ | SIG2000 $KG/M^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}M^3/KG$ | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 10.860 | 35.480 | 5.44 | 10.859 | 27.18 | 31.609 | 35.944 | 0.009 | 1493.6 | 10. | 88.36 | -9.999 |
| 20. | 10.862 | 35.480 | 5.43 | 10.859 | 27.18 | 31.609 | 35.944 | 0.018 | 1493.8 | 20. | 88.63 | -0.170 |
| 30. | 10.861 | 35.480 | 5.51 | 10.857 | 27.18 | 31.609 | 35.944 | 0.027 | 1493.9 | 30. | 88.86 | 0.278 |
| 40. | 10.862 | 35.480 | 5.53 | 10.857 | 27.18 | 31.609 | 35.944 | 0.035 | 1494.1 | 40. | 89.12 | 0.098 |
| 50. | 10.863 | 35.480 | 5.55 | 10.856 | 27.18 | 31.610 | 35.944 | 0.044 | 1494.3 | 50. | 89.36 | 0.209 |
| 60. | 10.864 | 35.480 | 5.56 | 10.857 | 27.18 | 31.609 | 35.944 | 0.053 | 1494.5 | 59. | 89.64 | -0.269 |
| 70. | 10.863 | 35.479 | 5.50 | 10.854 | 27.18 | 31.609 | 35.944 | 0.062 | 1494.6 | 69. | 89.90 | 0.103 |
| 80. | 10.859 | 35.479 | 5.52 | 10.849 | 27.18 | 31.610 | 35.945 | 0.071 | 1494.8 | 79. | 90.07 | 0.522 |
| 100. | 10.854 | 35.479 | 5.53 | 10.842 | 27.18 | 31.612 | 35.947 | 0.089 | 1495.1 | 99. | 90.48 | 0.416 |
| 120. | 10.855 | 35.479 | 5.52 | 10.840 | 27.18 | 31.612 | 35.947 | 0.108 | 1495.4 | 119. | 90.97 | 0.172 |
| 140. | 10.857 | 35.481 | 5.54 | 10.840 | 27.18 | 31.614 | 35.949 | 0.126 | 1495.8 | 139. | 91.32 | 0.524 |
| 160. | 10.855 | 35.479 | 5.56 | 10.835 | 27.18 | 31.613 | 35.949 | 0.144 | 1496.1 | 159. | 91.87 | -0.240 |
| 180. | 10.842 | 35.479 | 5.65 | 10.820 | 27.18 | 31.616 | 35.952 | 0.162 | 1496.4 | 178. | 92.16 | 0.610 |
| 200. | 10.818 | 35.474 | 5.71 | 10.793 | 27.18 | 31.617 | 35.953 | 0.181 | 1496.6 | 198. | 92.59 | 0.346 |
| 220. | 10.777 | 35.464 | 5.81 | 10.750 | 27.18 | 31.618 | 35.956 | 0.199 | 1496.8 | 218. | 93.05 | 0.298 |
| 240. | 10.758 | 35.461 | 6.19 | 10.729 | 27.18 | 31.620 | 35.958 | 0.218 | 1497.0 | 238. | 93.41 | 0.494 |
| 260. | 10.749 | 35.458 | 6.37 | 10.718 | 27.18 | 31.621 | 35.958 | 0.237 | 1497.3 | 258. | 93.91 | 0.105 |
| 280. | 10.709 | 35.450 | 6.37 | 10.675 | 27.19 | 31.623 | 35.961 | 0.256 | 1497.5 | 277. | 94.30 | 0.434 |
| 300. | 10.680 | 35.444 | 6.41 | 10.644 | 27.19 | 31.624 | 35.964 | 0.275 | 1497.7 | 297. | 94.70 | 0.410 |
| 320. | 10.657 | 35.440 | 6.42 | 10.618 | 27.19 | 31.626 | 35.966 | 0.294 | 1498.0 | 317. | 95.06 | 0.492 |
| 340. | 10.608 | 35.430 | 6.39 | 10.566 | 27.19 | 31.629 | 35.970 | 0.313 | 1498.1 | 337. | 95.35 | 0.592 |
| 360. | 10.541 | 35.416 | 6.36 | 10.497 | 27.19 | 31.632 | 35.974 | 0.332 | 1498.2 | 357. | 95.69 | 0.505 |
| 380. | 10.453 | 35.400 | 6.35 | 10.407 | 27.19 | 31.638 | 35.982 | 0.351 | 1498.2 | 376. | 95.73 | 0.868 |
| 400. | 10.327 | 35.380 | 6.27 | 10.279 | 27.20 | 31.647 | 35.994 | 0.370 | 1498.0 | 396. | 95.49 | 1.105 |
| 450. | 9.923 | 35.319 | 5.77 | 9.870 | 27.22 | 31.679 | 36.035 | 0.417 | 1497.4 | 446. | 94.14 | 1.303 |
| 500. | 9.819 | 35.331 | 5.82 | 9.760 | 27.25 | 31.709 | 36.068 | 0.464 | 1497.8 | 495. | 92.58 | 1.351 |
| 550. | 9.464 | 35.290 | 5.77 | 9.401 | 27.28 | 31.746 | 36.112 | 0.510 | 1497.3 | 545. | 90.63 | 1.438 |
| 600. | 9.187 | 35.271 | 5.59 | 9.119 | 27.31 | 31.784 | 36.156 | 0.555 | 1497.1 | 594. | 88.41 | 1.492 |
| 700. | 8.621 | 35.271 | 5.29 | 8.544 | 27.40 | 31.888 | 36.273 | 0.639 | 1496.7 | 693. | 81.12 | 1.777 |
| 800. | 7.751 | 35.220 | 5.03 | 7.668 | 27.50 | 32.001 | 36.406 | 0.716 | 1495.0 | 792. | 72.90 | 1.849 |
| 900. | 7.082 | 35.212 | 5.07 | 6.993 | 27.59 | 32.108 | 36.528 | 0.784 | 1494.1 | 890. | 64.87 | 1.818 |
| 1000. | 6.200 | 35.144 | 5.23 | 6.107 | 27.65 | 32.196 | 36.637 | 0.846 | 1492.2 | 989. | 58.40 | 1.652 |
| 1100. | 5.573 | 35.095 | 5.41 | 5.475 | 27.69 | 32.252 | 36.709 | 0.902 | 1491.3 | 1088. | 54.50 | 1.344 |
| 1200. | 5.224 | 35.070 | 5.56 | 5.119 | 27.72 | 32.285 | 36.750 | 0.956 | 1491.5 | 1186. | 52.65 | 1.038 |
| 1300. | 4.512 | 34.982 | 5.84 | 4.404 | 27.73 | 32.315 | 36.799 | 1.007 | 1490.2 | 1285. | 50.63 | 1.046 |
| 1400. | 4.177 | 34.949 | 5.95 | 4.064 | 27.74 | 32.335 | 36.828 | 1.057 | 1490.4 | 1383. | 49.56 | 0.856 |
| 1500. | 3.979 | 34.930 | 6.01 | 3.859 | 27.75 | 32.347 | 36.844 | 1.107 | 1491.2 | 1482. | 49.29 | 0.663 |
| 1600. | 3.809 | 34.918 | 6.07 | 3.682 | 27.75 | 32.360 | 36.863 | 1.156 | 1492.2 | 1580. | 48.78 | 0.713 |
| 1700. | 3.706 | 34.912 | 6.10 | 3.571 | 27.76 | 32.369 | 36.874 | 1.204 | 1493.4 | 1678. | 48.74 | 0.580 |
| 1800. | 3.639 | 34.912 | 6.09 | 3.496 | 27.77 | 32.378 | 36.886 | 1.253 | 1494.8 | 1777. | 48.65 | 0.588 |
| 1900. | 3.659 | 34.931 | 6.02 | 3.506 | 27.78 | 32.392 | 36.899 | 1.302 | 1496.6 | 1875. | 48.35 | 0.645 |
| 2000. | 3.630 | 34.937 | 5.96 | 3.468 | 27.79 | 32.401 | 36.909 | 1.350 | 1498.1 | 1973. | 48.30 | 0.577 |
| 2100. | 3.560 | 34.940 | 5.97 | 3.389 | 27.80 | 32.413 | 36.923 | 1.398 | 1499.5 | 2071. | 47.90 | 0.668 |
| 2200. | 3.490 | 34.942 | 5.99 | 3.311 | 27.81 | 32.425 | 36.937 | 1.446 | 1500.9 | 2170. | 47.53 | 0.657 |
| 2300. | 3.443 | 34.945 | 5.99 | 3.255 | 27.82 | 32.434 | 36.948 | 1.494 | 1502.4 | 2268. | 47.39 | 0.593 |
| 2400. | 3.365 | 34.953 | 5.94 | 3.168 | 27.83 | 32.451 | 36.967 | 1.540 | 1503.8 | 2366. | 46.40 | 0.795 |
| 2500. | 3.281 | 34.957 | 5.92 | 3.076 | 27.84 | 32.465 | 36.983 | 1.586 | 1505.1 | 2464. | 45.65 | 0.740 |
| 2600. | 3.195 | 34.957 | 5.90 | 2.981 | 27.85 | 32.477 | 36.997 | 1.632 | 1506.4 | 2562. | 45.07 | 0.695 |
| 2700. | 3.087 | 34.956 | 5.92 | 2.865 | 27.86 | 32.490 | 37.013 | 1.676 | 1507.7 | 2660. | 44.22 | 0.754 |
| 2800. | 3.016 | 34.956 | 5.86 | 2.786 | 27.87 | 32.499 | 37.025 | 1.720 | 1509.1 | 2757. | 43.81 | 0.641 |
| 2900. | 2.949 | 34.954 | 5.84 | 2.709 | 27.87 | 32.506 | 37.034 | 1.764 | 1510.5 | 2855. | 43.57 | 0.592 |
| 3000. | 2.877 | 34.951 | 5.85 | 2.629 | 27.88 | 32.513 | 37.043 | 1.807 | 1511.9 | 2953. | 43.32 | 0.590 |
| 3100. | 2.789 | 34.946 | 5.78 | 2.532 | 27.88 | 32.521 | 37.053 | 1.850 | 1513.2 | 3051. | 42.89 | 0.635 |
| 3200. | 2.730 | 34.941 | 5.72 | 2.464 | 27.89 | 32.524 | 37.058 | 1.893 | 1514.6 | 3148. | 42.94 | 0.483 |
| 3300. | 2.676 | 34.935 | 5.70 | 2.401 | 27.89 | 32.527 | 37.063 | 1.936 | 1516.1 | 3246. | 43.05 | 0.458 |
| 3400. | 2.614 | 34.928 | 5.65 | 2.329 | 27.89 | 32.530 | 37.068 | 1.979 | 1517.5 | 3344. | 43.11 | 0.474 |
| 3500. | 2.564 | 34.922 | 5.61 | 2.270 | 27.89 | 32.531 | 37.070 | 2.023 | 1519.0 | 3441. | 43.32 | 0.404 |


CTD11841 AV
START 109 /093425
STOP 109 /103225
51 20.02N 19 33.69W
PRESS DBAR
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
2. 34.4 3.0
4. 34.8 4.0
6. 35.2 5.0
8. 35.6 6.0
10. 36.0 7.0
12. 36.4 8.0
P
S
O

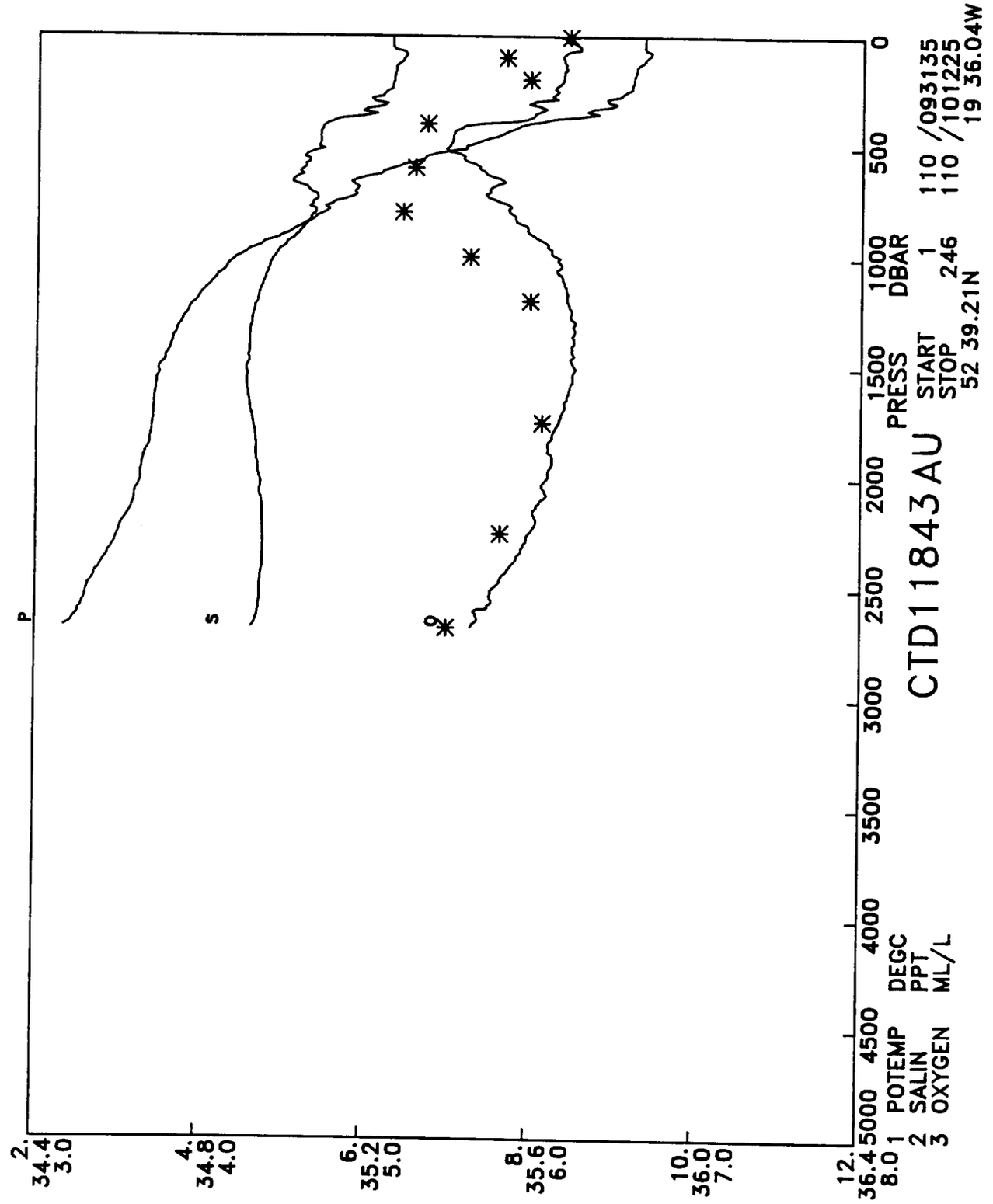
# DISCOVERY 181 STATION 11841

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 10.887 | 35.505 | 5.38 | 10.886 | 27.19 | 31.622 | 35.957 | 0.009 | 1493.7 | 10. | 87.04 | -9.999 |
| 20. | 10.891 | 35.504 | 5.43 | 10.888 | 27.19 | 31.622 | 35.956 | 0.017 | 1493.9 | 20. | 87.37 | -0.481 |
| 30. | 10.892 | 35.504 | 5.42 | 10.888 | 27.19 | 31.621 | 35.955 | 0.026 | 1494.1 | 30. | 87.65 | -0.269 |
| 40. | 10.885 | 35.503 | 5.39 | 10.880 | 27.19 | 31.623 | 35.957 | 0.035 | 1494.2 | 40. | 87.81 | 0.566 |
| 50. | 10.870 | 35.501 | 5.33 | 10.864 | 27.19 | 31.624 | 35.959 | 0.044 | 1494.3 | 50. | 87.92 | 0.691 |
| 60. | 10.862 | 35.499 | 5.39 | 10.855 | 27.19 | 31.625 | 35.959 | 0.053 | 1494.5 | 59. | 88.18 | -0.041 |
| 70. | 10.855 | 35.497 | 5.37 | 10.846 | 27.19 | 31.625 | 35.960 | 0.061 | 1494.6 | 69. | 88.42 | 0.228 |
| 80. | 10.850 | 35.498 | 5.37 | 10.840 | 27.19 | 31.626 | 35.961 | 0.070 | 1494.8 | 79. | 88.56 | 0.631 |
| 100. | 10.730 | 35.476 | 5.46 | 10.718 | 27.20 | 31.634 | 35.972 | 0.088 | 1494.6 | 99. | 88.55 | 0.937 |
| 120. | 10.533 | 35.444 | 5.53 | 10.518 | 27.21 | 31.649 | 35.991 | 0.106 | 1494.2 | 119. | 88.03 | 1.302 |
| 140. | 10.511 | 35.440 | 5.55 | 10.495 | 27.21 | 31.651 | 35.993 | 0.123 | 1494.5 | 139. | 88.40 | 0.473 |
| 160. | 10.487 | 35.437 | 5.63 | 10.467 | 27.21 | 31.654 | 35.997 | 0.141 | 1494.7 | 159. | 88.68 | 0.608 |
| 180. | 10.464 | 35.432 | 5.66 | 10.442 | 27.21 | 31.655 | 35.998 | 0.159 | 1495.0 | 178. | 89.12 | 0.305 |
| 200. | 10.460 | 35.431 | 5.66 | 10.436 | 27.21 | 31.655 | 35.999 | 0.177 | 1495.3 | 198. | 89.56 | 0.293 |
| 220. | 10.429 | 35.427 | 5.69 | 10.403 | 27.22 | 31.659 | 36.004 | 0.195 | 1495.5 | 218. | 89.77 | 0.689 |
| 240. | 10.385 | 35.421 | 5.71 | 10.356 | 27.22 | 31.664 | 36.009 | 0.212 | 1495.7 | 238. | 89.89 | 0.787 |
| 260. | 10.315 | 35.410 | 5.66 | 10.284 | 27.22 | 31.669 | 36.016 | 0.230 | 1495.7 | 258. | 90.00 | 0.800 |
| 280. | 10.275 | 35.405 | 5.64 | 10.242 | 27.23 | 31.674 | 36.021 | 0.248 | 1495.9 | 277. | 90.12 | 0.777 |
| 300. | 10.270 | 35.406 | 5.65 | 10.234 | 27.23 | 31.676 | 36.024 | 0.267 | 1496.2 | 297. | 90.43 | 0.550 |
| 320. | 10.243 | 35.401 | 5.61 | 10.205 | 27.23 | 31.678 | 36.027 | 0.285 | 1496.5 | 317. | 90.71 | 0.572 |
| 340. | 10.194 | 35.394 | 5.65 | 10.154 | 27.23 | 31.683 | 36.032 | 0.303 | 1496.6 | 337. | 90.84 | 0.770 |
| 360. | 10.176 | 35.392 | 5.60 | 10.133 | 27.24 | 31.685 | 36.035 | 0.321 | 1496.9 | 357. | 91.15 | 0.537 |
| 380. | 10.159 | 35.389 | 5.60 | 10.114 | 27.24 | 31.686 | 36.037 | 0.339 | 1497.1 | 376. | 91.49 | 0.479 |
| 400. | 10.056 | 35.371 | 5.65 | 10.009 | 27.24 | 31.693 | 36.046 | 0.358 | 1497.1 | 396. | 91.49 | 0.895 |
| 450. | 9.865 | 35.338 | 5.55 | 9.812 | 27.25 | 31.705 | 36.062 | 0.403 | 1497.2 | 446. | 91.78 | 0.770 |
| 500. | 9.325 | 35.252 | 5.56 | 9.269 | 27.27 | 31.741 | 36.110 | 0.449 | 1495.9 | 495. | 90.11 | 1.370 |
| 550. | 9.318 | 35.270 | 5.47 | 9.255 | 27.29 | 31.758 | 36.127 | 0.494 | 1496.8 | 544. | 89.64 | 1.027 |
| 600. | 8.952 | 35.228 | 4.95 | 8.885 | 27.32 | 31.793 | 36.171 | 0.538 | 1496.2 | 594. | 87.74 | 1.415 |
| 700. | 7.749 | 35.111 | 4.84 | 7.677 | 27.41 | 31.915 | 36.320 | 0.624 | 1493.2 | 693. | 79.18 | 1.882 |
| 800. | 6.637 | 35.034 | 5.00 | 6.561 | 27.51 | 32.039 | 36.470 | 0.698 | 1490.5 | 792. | 69.88 | 1.925 |
| 900. | 5.824 | 35.009 | 5.18 | 5.743 | 27.59 | 32.145 | 36.596 | 0.764 | 1488.9 | 890. | 61.72 | 1.805 |
| 1000. | 5.584 | 35.056 | 5.26 | 5.495 | 27.66 | 32.219 | 36.675 | 0.822 | 1489.6 | 989. | 56.22 | 1.526 |
| 1100. | 4.992 | 35.013 | 5.49 | 4.899 | 27.70 | 32.272 | 36.743 | 0.876 | 1488.8 | 1088. | 52.54 | 1.297 |
| 1200. | 4.424 | 34.958 | 5.73 | 4.327 | 27.72 | 32.307 | 36.793 | 0.928 | 1488.1 | 1186. | 50.19 | 1.092 |
| 1300. | 4.193 | 34.941 | 5.79 | 4.088 | 27.73 | 32.325 | 36.817 | 0.978 | 1488.8 | 1285. | 49.45 | 0.785 |
| 1400. | 3.987 | 34.923 | 5.88 | 3.876 | 27.74 | 32.339 | 36.836 | 1.027 | 1489.6 | 1383. | 49.03 | 0.703 |
| 1500. | 3.812 | 34.911 | 5.95 | 3.694 | 27.75 | 32.352 | 36.855 | 1.076 | 1490.5 | 1482. | 48.53 | 0.708 |
| 1600. | 3.697 | 34.903 | 6.00 | 3.572 | 27.75 | 32.362 | 36.868 | 1.124 | 1491.7 | 1580. | 48.41 | 0.602 |
| 1700. | 3.625 | 34.901 | 6.00 | 3.491 | 27.76 | 32.370 | 36.878 | 1.172 | 1493.0 | 1678. | 48.46 | 0.546 |
| 1800. | 3.571 | 34.900 | 6.02 | 3.429 | 27.76 | 32.377 | 36.886 | 1.221 | 1494.5 | 1777. | 48.62 | 0.506 |
| 1900. | 3.548 | 34.905 | 6.00 | 3.397 | 27.77 | 32.385 | 36.895 | 1.270 | 1496.1 | 1875. | 48.73 | 0.520 |
| 2000. | 3.512 | 34.910 | 5.98 | 3.352 | 27.78 | 32.395 | 36.906 | 1.318 | 1497.6 | 1973. | 48.61 | 0.587 |
| 2100. | 3.509 | 34.920 | 5.94 | 3.339 | 27.79 | 32.404 | 36.916 | 1.367 | 1499.3 | 2071. | 48.60 | 0.556 |
| 2200. | 3.490 | 34.928 | 5.92 | 3.311 | 27.80 | 32.414 | 36.926 | 1.415 | 1500.9 | 2169. | 48.50 | 0.579 |
| 2300. | 3.449 | 34.935 | 5.90 | 3.261 | 27.81 | 32.426 | 36.939 | 1.464 | 1502.4 | 2268. | 48.16 | 0.646 |
| 2400. | 3.400 | 34.942 | 5.89 | 3.202 | 27.82 | 32.438 | 36.953 | 1.512 | 1503.9 | 2366. | 47.73 | 0.666 |
| 2500. | 3.329 | 34.945 | 5.90 | 3.123 | 27.83 | 32.451 | 36.967 | 1.559 | 1505.3 | 2464. | 47.16 | 0.701 |
| 2600. | 3.281 | 34.949 | 5.91 | 3.066 | 27.84 | 32.460 | 36.978 | 1.606 | 1506.8 | 2562. | 46.92 | 0.609 |
| 2700. | 3.202 | 34.952 | 5.89 | 2.978 | 27.85 | 32.473 | 36.994 | 1.653 | 1508.2 | 2659. | 46.18 | 0.733 |
| 2800. | 3.134 | 34.955 | 5.88 | 2.901 | 27.86 | 32.485 | 37.007 | 1.699 | 1509.6 | 2757. | 45.64 | 0.680 |
| 2900. | 3.081 | 34.956 | 5.89 | 2.838 | 27.86 | 32.493 | 37.017 | 1.744 | 1511.0 | 2855. | 45.43 | 0.591 |
| 3000. | 3.016 | 34.956 | 5.83 | 2.765 | 27.87 | 32.502 | 37.028 | 1.790 | 1512.5 | 2953. | 45.05 | 0.632 |
| 3100. | 2.916 | 34.952 | 5.75 | 2.656 | 27.88 | 32.511 | 37.040 | 1.834 | 1513.7 | 3051. | 44.42 | 0.695 |
| 3200. | 2.871 | 34.949 | 5.71 | 2.601 | 27.88 | 32.515 | 37.046 | 1.879 | 1515.2 | 3148. | 44.51 | 0.480 |
| 3300. | 2.810 | 34.946 | 5.69 | 2.532 | 27.88 | 32.521 | 37.053 | 1.923 | 1516.7 | 3246. | 44.37 | 0.553 |
| 3400. | 2.764 | 34.942 | 5.67 | 2.476 | 27.89 | 32.524 | 37.058 | 1.967 | 1518.2 | 3344. | 44.52 | 0.449 |


P
S
CTD11842AW
START 109 /155635
STOP 109 /164915
51 59.40N 19 33.30W
317
1
PRESS DBAR
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
2. 34.4 3.0
4. 34.8 4.0
6. 35.2 5.0
8. 35.6 6.0
10. 36.0 7.0
12. 36.4 8.0

## DISCOVERY 181 STATION 11842

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 10.158 | 35.382 | 5.84 | 10.157 | 27.22 | 31.672 | 36.022 | 0.008 | 1491.0 | 10. | 83.83 | -9.999 |
| 20. | 10.144 | 35.380 | 5.84 | 10.141 | 27.22 | 31.674 | 36.024 | 0.017 | 1491.1 | 20. | 83.94 | 0.671 |
| 30. | 10.091 | 35.377 | 5.87 | 10.087 | 27.23 | 31.682 | 36.033 | 0.025 | 1491.1 | 30. | 83.54 | 1.464 |
| 40. | 9.876 | 35.353 | 5.86 | 9.871 | 27.25 | 31.705 | 36.061 | 0.033 | 1490.5 | 40. | 82.04 | 2.410 |
| 50. | 9.647 | 35.320 | 5.91 | 9.641 | 27.26 | 31.724 | 36.085 | 0.042 | 1489.8 | 50. | 80.96 | 2.090 |
| 60. | 9.567 | 35.309 | 5.94 | 9.560 | 27.27 | 31.730 | 36.093 | 0.050 | 1489.6 | 59. | 80.73 | 1.242 |
| 70. | 9.446 | 35.294 | 5.96 | 9.438 | 27.28 | 31.742 | 36.107 | 0.058 | 1489.3 | 69. | 80.11 | 1.687 |
| 80. | 9.356 | 35.283 | 5.98 | 9.347 | 27.28 | 31.750 | 36.118 | 0.066 | 1489.2 | 79. | 79.74 | 1.403 |
| 100. | 9.343 | 35.281 | 5.95 | 9.332 | 27.28 | 31.752 | 36.120 | 0.082 | 1489.4 | 99. | 80.06 | 0.480 |
| 120. | 9.354 | 35.284 | 5.85 | 9.341 | 27.29 | 31.753 | 36.120 | 0.098 | 1489.8 | 119. | 80.43 | 0.353 |
| 140. | 9.351 | 35.284 | 5.94 | 9.336 | 27.29 | 31.753 | 36.121 | 0.114 | 1490.1 | 139. | 80.81 | 0.336 |
| 160. | 9.349 | 35.284 | 6.00 | 9.331 | 27.29 | 31.754 | 36.122 | 0.130 | 1490.4 | 159. | 81.19 | 0.340 |
| 180. | 9.371 | 35.291 | 6.00 | 9.351 | 27.29 | 31.756 | 36.124 | 0.146 | 1490.9 | 178. | 81.41 | 0.633 |
| 200. | 9.391 | 35.298 | 6.08 | 9.369 | 27.29 | 31.758 | 36.125 | 0.163 | 1491.3 | 198. | 81.62 | 0.629 |
| 220. | 9.389 | 35.300 | 6.26 | 9.364 | 27.29 | 31.761 | 36.128 | 0.179 | 1491.6 | 218. | 81.87 | 0.579 |
| 240. | 9.295 | 35.279 | 6.57 | 9.269 | 27.29 | 31.762 | 36.131 | 0.195 | 1491.6 | 238. | 82.37 | -0.300 |
| 260. | 8.716 | 35.165 | 6.93 | 8.688 | 27.30 | 31.780 | 36.163 | 0.212 | 1489.6 | 258. | 82.05 | 1.124 |
| 280. | 8.636 | 35.149 | 7.04 | 8.606 | 27.30 | 31.782 | 36.167 | 0.228 | 1489.6 | 277. | 82.40 | 0.331 |
| 300. | 8.549 | 35.135 | 6.91 | 8.518 | 27.30 | 31.787 | 36.174 | 0.245 | 1489.6 | 297. | 82.48 | 0.745 |
| 320. | 8.554 | 35.139 | 6.70 | 8.520 | 27.30 | 31.790 | 36.176 | 0.261 | 1490.0 | 317. | 82.65 | 0.639 |
| 340. | 8.539 | 35.138 | 6.63 | 8.503 | 27.31 | 31.792 | 36.179 | 0.278 | 1490.3 | 337. | 82.83 | 0.616 |
| 360. | 8.468 | 35.133 | 6.51 | 8.430 | 27.31 | 31.801 | 36.190 | 0.294 | 1490.3 | 357. | 82.50 | 1.116 |
| 380. | 8.380 | 35.125 | 6.47 | 8.340 | 27.32 | 31.811 | 36.202 | 0.311 | 1490.3 | 376. | 82.09 | 1.165 |
| 400. | 8.370 | 35.127 | 6.26 | 8.328 | 27.32 | 31.815 | 36.205 | 0.327 | 1490.6 | 396. | 82.17 | 0.740 |
| 450. | 8.333 | 35.144 | 6.17 | 8.285 | 27.34 | 31.835 | 36.227 | 0.368 | 1491.3 | 446. | 81.29 | 1.123 |
| 500. | 8.320 | 35.188 | 5.80 | 8.267 | 27.38 | 31.873 | 36.265 | 0.408 | 1492.1 | 495. | 78.72 | 1.547 |
| 550. | 7.912 | 35.162 | 5.59 | 7.855 | 27.42 | 31.925 | 36.325 | 0.447 | 1491.4 | 544. | 75.27 | 1.724 |
| 600. | 7.717 | 35.173 | 5.30 | 7.655 | 27.46 | 31.967 | 36.372 | 0.484 | 1491.5 | 594. | 72.41 | 1.598 |
| 700. | 6.579 | 35.077 | 5.29 | 6.513 | 27.55 | 32.080 | 36.512 | 0.552 | 1488.6 | 693. | 64.42 | 1.807 |
| 800. | 6.446 | 35.140 | 5.19 | 6.371 | 27.62 | 32.152 | 36.587 | 0.614 | 1489.8 | 791. | 59.34 | 1.499 |
| 900. | 5.841 | 35.098 | 5.40 | 5.760 | 27.66 | 32.213 | 36.662 | 0.671 | 1489.1 | 890. | 55.35 | 1.362 |
| 1000. | 5.276 | 35.047 | 5.61 | 5.190 | 27.69 | 32.256 | 36.720 | 0.725 | 1488.4 | 989. | 52.72 | 1.163 |
| 1100. | 4.723 | 34.997 | 5.83 | 4.632 | 27.72 | 32.296 | 36.774 | 0.776 | 1487.7 | 1087. | 50.21 | 1.127 |
| 1200. | 4.421 | 34.972 | 5.93 | 4.323 | 27.73 | 32.319 | 36.805 | 0.826 | 1488.1 | 1186. | 49.11 | 0.872 |
| 1300. | 4.087 | 34.935 | 6.06 | 3.984 | 27.74 | 32.334 | 36.829 | 0.875 | 1488.3 | 1285. | 48.51 | 0.752 |
| 1400. | 4.009 | 34.938 | 6.01 | 3.897 | 27.75 | 32.348 | 36.845 | 0.923 | 1489.7 | 1383. | 48.21 | 0.669 |
| 1500. | 3.842 | 34.925 | 6.10 | 3.724 | 27.76 | 32.360 | 36.861 | 0.971 | 1490.6 | 1482. | 47.88 | 0.670 |
| 1600. | 3.801 | 34.933 | 6.05 | 3.674 | 27.77 | 32.373 | 36.875 | 1.019 | 1492.1 | 1580. | 47.60 | 0.650 |
| 1700. | 3.617 | 34.914 | 6.17 | 3.483 | 27.77 | 32.382 | 36.889 | 1.066 | 1493.0 | 1678. | 47.40 | 0.623 |
| 1800. | 3.586 | 34.918 | 6.15 | 3.444 | 27.78 | 32.390 | 36.898 | 1.114 | 1494.6 | 1777. | 47.50 | 0.529 |
| 1900. | 3.563 | 34.928 | 6.11 | 3.412 | 27.79 | 32.402 | 36.911 | 1.161 | 1496.2 | 1875. | 47.23 | 0.632 |
| 2000. | 3.537 | 34.937 | 6.06 | 3.376 | 27.80 | 32.413 | 36.923 | 1.208 | 1497.7 | 1973. | 47.04 | 0.610 |
| 2100. | 3.483 | 34.942 | 6.04 | 3.313 | 27.81 | 32.425 | 36.937 | 1.255 | 1499.2 | 2071. | 46.64 | 0.664 |
| 2200. | 3.419 | 34.949 | 6.03 | 3.240 | 27.82 | 32.439 | 36.953 | 1.301 | 1500.6 | 2169. | 46.04 | 0.711 |
| 2300. | 3.297 | 34.951 | 6.02 | 3.111 | 27.84 | 32.456 | 36.974 | 1.347 | 1501.8 | 2267. | 44.87 | 0.831 |
| 2400. | 3.232 | 34.955 | 5.96 | 3.038 | 27.85 | 32.469 | 36.988 | 1.392 | 1503.2 | 2365. | 44.35 | 0.681 |
| 2500. | 3.102 | 34.950 | 6.01 | 2.900 | 27.85 | 32.481 | 37.004 | 1.435 | 1504.3 | 2463. | 43.53 | 0.748 |
| 2600. | 3.001 | 34.954 | 5.90 | 2.791 | 27.87 | 32.497 | 37.023 | 1.478 | 1505.6 | 2561. | 42.45 | 0.801 |
| 2700. | 2.930 | 34.953 | 5.91 | 2.711 | 27.87 | 32.506 | 37.033 | 1.520 | 1507.0 | 2659. | 42.11 | 0.617 |
| 2800. | 2.866 | 34.949 | 5.80 | 2.638 | 27.88 | 32.511 | 37.041 | 1.562 | 1508.4 | 2757. | 42.05 | 0.530 |
| 2900. | 2.790 | 34.945 | 5.76 | 2.554 | 27.88 | 32.517 | 37.049 | 1.604 | 1509.8 | 2855. | 41.84 | 0.571 |
| 3000. | 2.736 | 34.941 | 5.73 | 2.490 | 27.88 | 32.522 | 37.055 | 1.646 | 1511.3 | 2953. | 41.87 | 0.488 |
| 3100. | 2.683 | 34.936 | 5.71 | 2.428 | 27.89 | 32.525 | 37.060 | 1.688 | 1512.7 | 3050. | 41.99 | 0.456 |
| 3200. | 2.646 | 34.931 | 5.69 | 2.382 | 27.89 | 32.526 | 37.062 | 1.730 | 1514.3 | 3148. | 42.35 | 0.345 |
| 3300. | 2.595 | 34.926 | 5.67 | 2.322 | 27.89 | 32.528 | 37.066 | 1.773 | 1515.8 | 3246. | 42.48 | 0.441 |
| 3400. | 2.551 | 34.920 | 5.66 | 2.268 | 27.89 | 32.530 | 37.070 | 1.815 | 1517.3 | 3343. | 42.71 | 0.396 |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PRESS
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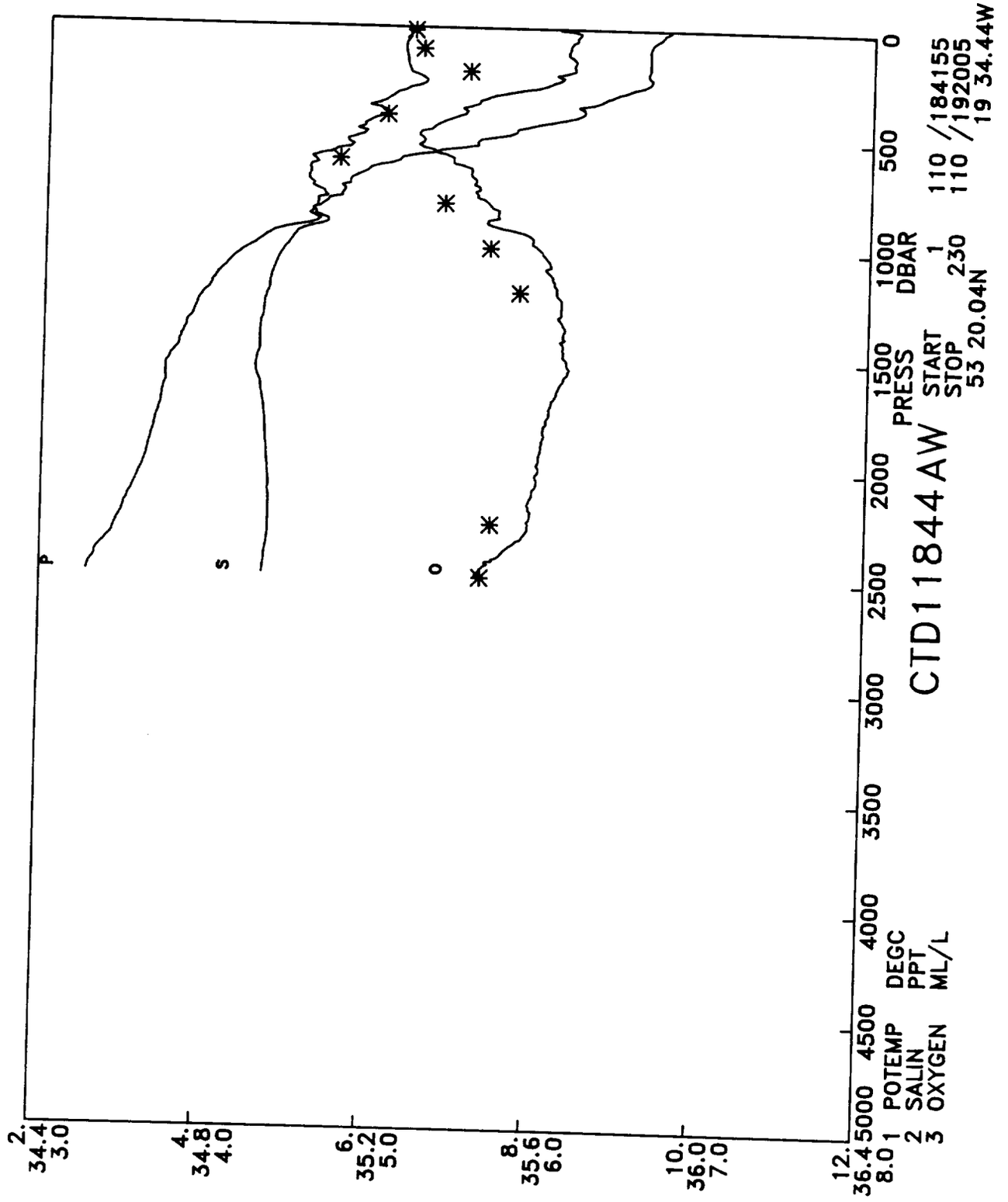
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
CTD11843AU
START 1 110 /093135
STOP 246 110 /101225
52 39.21N 19 36.04W

# DISCOVERY 181 STATION 11843

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMAQ KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 9.365 | 35.264 | 6.20 | 9.364 | 27.27 | 31.732 | 36.100 | 0.008 | 1488.0 | 10. | 79.84 | -9.999 |
| 20. | 9.361 | 35.263 | 6.20 | 9.358 | 27.27 | 31.733 | 36.100 | 0.016 | 1488.2 | 20. | 80.03 | 0.319 |
| 30. | 9.360 | 35.263 | 6.26 | 9.357 | 27.27 | 31.733 | 36.101 | 0.024 | 1488.3 | 30. | 80.20 | 0.428 |
| 40. | 9.362 | 35.263 | 6.29 | 9.357 | 27.27 | 31.733 | 36.101 | 0.032 | 1488.5 | 40. | 80.44 | -0.171 |
| 50. | 9.358 | 35.263 | 6.29 | 9.353 | 27.27 | 31.734 | 36.102 | 0.040 | 1488.6 | 50. | 80.58 | 0.521 |
| 60. | 9.392 | 35.273 | 6.27 | 9.385 | 27.27 | 31.735 | 36.102 | 0.048 | 1488.9 | 59. | 80.63 | 0.771 |
| 70. | 9.466 | 35.294 | 6.22 | 9.458 | 27.27 | 31.738 | 36.103 | 0.056 | 1489.4 | 69. | 80.46 | 1.162 |
| 80. | 9.441 | 35.298 | 6.20 | 9.432 | 27.28 | 31.746 | 36.112 | 0.064 | 1489.5 | 79. | 79.96 | 1.550 |
| 100. | 9.383 | 35.289 | 6.20 | 9.372 | 27.28 | 31.751 | 36.118 | 0.080 | 1489.6 | 99. | 80.08 | 0.747 |
| 120. | 9.341 | 35.283 | 6.20 | 9.328 | 27.29 | 31.754 | 36.122 | 0.096 | 1489.8 | 119. | 80.34 | 0.557 |
| 140. | 9.270 | 35.270 | 6.20 | 9.254 | 27.29 | 31.758 | 36.127 | 0.112 | 1489.8 | 139. | 80.55 | 0.637 |
| 160. | 9.266 | 35.270 | 6.20 | 9.249 | 27.29 | 31.759 | 36.128 | 0.128 | 1490.1 | 159. | 80.94 | 0.319 |
| 180. | 9.248 | 35.266 | 6.20 | 9.228 | 27.29 | 31.760 | 36.130 | 0.145 | 1490.4 | 178. | 81.31 | 0.346 |
| 200. | 9.248 | 35.266 | 6.19 | 9.226 | 27.29 | 31.760 | 36.130 | 0.161 | 1490.7 | 198. | 81.75 | 0.106 |
| 220. | 9.230 | 35.262 | 6.15 | 9.206 | 27.29 | 31.761 | 36.132 | 0.177 | 1491.0 | 218. | 82.12 | 0.350 |
| 240. | 9.225 | 35.261 | 6.10 | 9.198 | 27.29 | 31.761 | 36.132 | 0.194 | 1491.3 | 238. | 82.57 | -0.115 |
| 260. | 9.122 | 35.242 | 6.14 | 9.094 | 27.29 | 31.766 | 36.139 | 0.210 | 1491.2 | 258. | 82.71 | 0.710 |
| 280. | 8.978 | 35.220 | 6.15 | 8.947 | 27.30 | 31.776 | 36.152 | 0.227 | 1491.0 | 277. | 82.43 | 1.088 |
| 300. | 9.057 | 35.247 | 5.94 | 9.024 | 27.31 | 31.782 | 36.157 | 0.243 | 1491.6 | 297. | 82.13 | 1.108 |
| 320. | 8.927 | 35.230 | 6.09 | 8.892 | 27.32 | 31.794 | 36.171 | 0.260 | 1491.5 | 317. | 81.68 | 1.212 |
| 340. | 8.709 | 35.193 | 6.06 | 8.672 | 27.32 | 31.804 | 36.187 | 0.276 | 1491.0 | 337. | 81.44 | 1.056 |
| 360. | 8.710 | 35.207 | 6.02 | 8.671 | 27.33 | 31.816 | 36.198 | 0.292 | 1491.3 | 357. | 80.77 | 1.347 |
| 380. | 8.197 | 35.117 | 5.95 | 8.158 | 27.34 | 31.837 | 36.231 | 0.308 | 1489.6 | 376. | 79.90 | 1.461 |
| 400. | 7.931 | 35.098 | 5.61 | 7.890 | 27.37 | 31.869 | 36.269 | 0.324 | 1488.9 | 396. | 77.63 | 2.110 |
| 450. | 7.653 | 35.089 | 5.51 | 7.607 | 27.40 | 31.910 | 36.317 | 0.362 | 1488.7 | 446. | 75.04 | 1.538 |
| 500. | 7.243 | 35.085 | 5.50 | 7.194 | 27.46 | 31.976 | 36.392 | 0.398 | 1487.9 | 495. | 70.21 | 1.961 |
| 550. | 6.738 | 35.053 | 5.60 | 6.686 | 27.50 | 32.033 | 36.462 | 0.433 | 1486.7 | 544. | 66.21 | 1.804 |
| 600. | 6.356 | 35.047 | 5.69 | 6.301 | 27.55 | 32.090 | 36.527 | 0.465 | 1486.1 | 594. | 62.09 | 1.818 |
| 700. | 5.913 | 35.061 | 5.75 | 5.850 | 27.62 | 32.170 | 36.618 | 0.524 | 1486.0 | 693. | 56.38 | 1.558 |
| 800. | 5.550 | 35.076 | 5.87 | 5.481 | 27.68 | 32.237 | 36.693 | 0.577 | 1486.2 | 791. | 51.78 | 1.423 |
| 900. | 5.058 | 35.030 | 6.01 | 4.983 | 27.70 | 32.273 | 36.742 | 0.628 | 1485.8 | 890. | 49.88 | 1.044 |
| 1000. | 4.507 | 34.976 | 6.18 | 4.427 | 27.72 | 32.307 | 36.790 | 0.677 | 1485.1 | 989. | 47.95 | 1.028 |
| 1100. | 4.251 | 34.955 | 6.19 | 4.164 | 27.73 | 32.326 | 36.816 | 0.725 | 1485.7 | 1087. | 47.27 | 0.778 |
| 1200. | 4.030 | 34.938 | 6.23 | 3.936 | 27.74 | 32.343 | 36.839 | 0.772 | 1486.4 | 1186. | 46.63 | 0.756 |
| 1300. | 3.857 | 34.925 | 6.27 | 3.756 | 27.75 | 32.356 | 36.856 | 0.818 | 1487.4 | 1285. | 46.33 | 0.662 |
| 1400. | 3.741 | 34.920 | 6.25 | 3.633 | 27.76 | 32.367 | 36.871 | 0.864 | 1488.5 | 1383. | 46.11 | 0.634 |
| 1500. | 3.603 | 34.911 | 6.27 | 3.487 | 27.77 | 32.379 | 36.887 | 0.910 | 1489.6 | 1481. | 45.81 | 0.647 |
| 1600. | 3.579 | 34.916 | 6.23 | 3.455 | 27.77 | 32.387 | 36.895 | 0.956 | 1491.2 | 1580. | 45.98 | 0.503 |
| 1700. | 3.560 | 34.924 | 6.19 | 3.427 | 27.78 | 32.397 | 36.906 | 1.002 | 1492.8 | 1678. | 45.89 | 0.583 |
| 1800. | 3.541 | 34.936 | 6.13 | 3.399 | 27.80 | 32.409 | 36.919 | 1.048 | 1494.4 | 1776. | 45.60 | 0.637 |
| 1900. | 3.462 | 34.937 | 6.13 | 3.312 | 27.81 | 32.421 | 36.933 | 1.093 | 1495.7 | 1875. | 45.20 | 0.663 |
| 2000. | 3.435 | 34.946 | 6.11 | 3.276 | 27.82 | 32.433 | 36.946 | 1.138 | 1497.3 | 1973. | 44.94 | 0.624 |
| 2100. | 3.363 | 34.952 | 6.07 | 3.196 | 27.83 | 32.447 | 36.962 | 1.183 | 1498.7 | 2071. | 44.30 | 0.716 |
| 2200. | 3.233 | 34.952 | 6.03 | 3.058 | 27.84 | 32.464 | 36.983 | 1.227 | 1499.8 | 2169. | 43.17 | 0.822 |
| 2300. | 3.133 | 34.956 | 5.96 | 2.950 | 27.85 | 32.480 | 37.001 | 1.269 | 1501.1 | 2267. | 42.22 | 0.778 |
| 2400. | 2.982 | 34.953 | 5.89 | 2.792 | 27.87 | 32.496 | 37.021 | 1.311 | 1502.1 | 2365. | 40.98 | 0.832 |
| 2500. | 2.830 | 34.947 | 5.78 | 2.633 | 27.88 | 32.510 | 37.040 | 1.351 | 1503.2 | 2463. | 39.86 | 0.802 |
| 2600. | 2.727 | 34.944 | 5.66 | 2.522 | 27.88 | 32.520 | 37.053 | 1.391 | 1504.4 | 2561. | 39.26 | 0.676 |


CTD11844AW
START 110 /184155
STOP 110 /192005
53 20.04N 19 34.44W
PRESS DBAR
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
2. 4. 6. 8. 10. 12.
34.4 34.8 35.2 35.6 36.0 36.4
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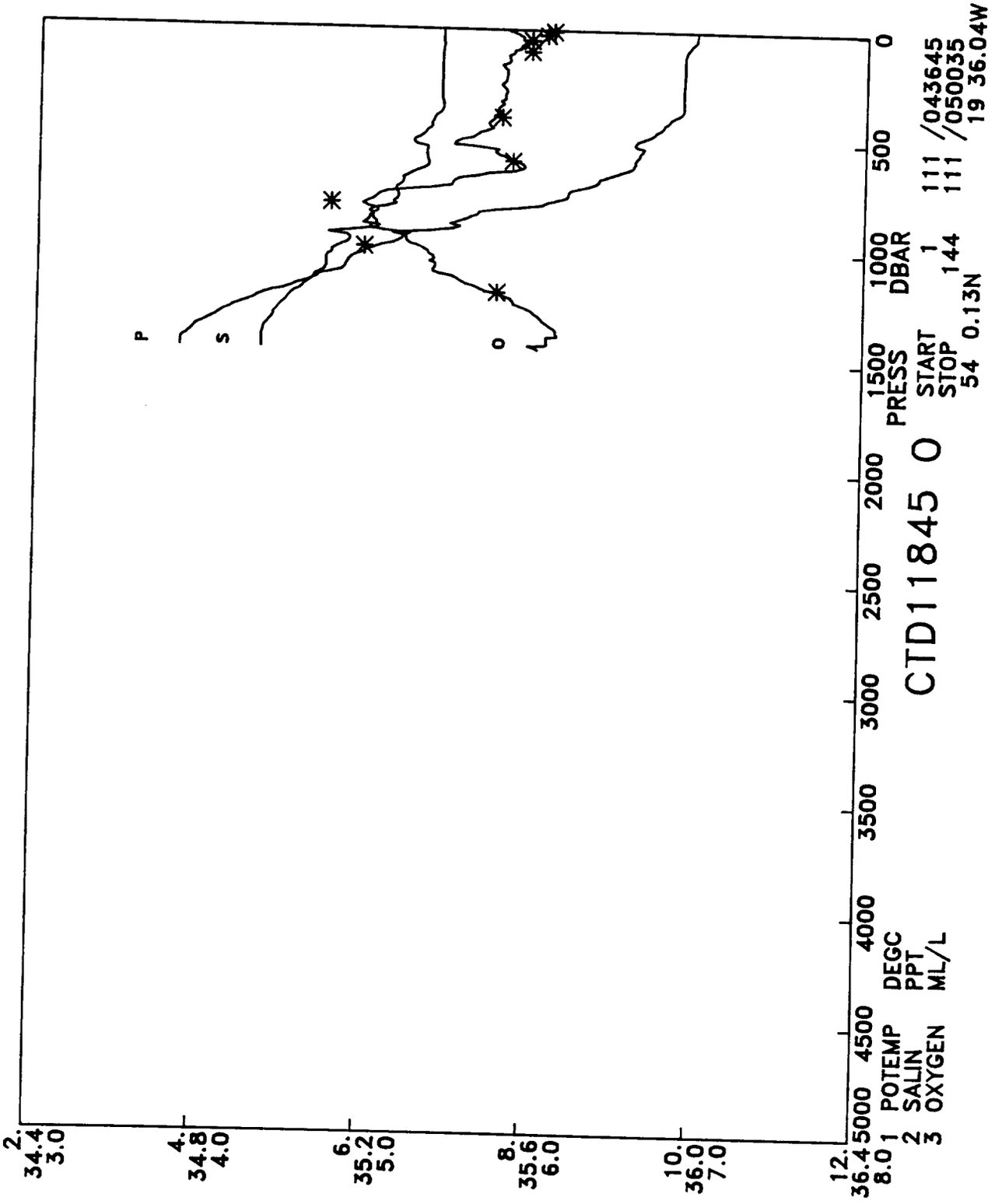
# DISCOVERY 181 STATION 11844

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 9.531 | 35.275 | 6.18 | 9.530 | 27.25 | 31.710 | 36.073 | 0.008 | 1488.6 | 10. | 81.63 | -9.999 |
| 20. | 9.470 | 35.277 | 6.24 | 9.467 | 27.26 | 31.723 | 36.088 | 0.016 | 1488.6 | 20. | 80.73 | 1.942 |
| 30. | 9.452 | 35.279 | 6.20 | 9.448 | 27.26 | 31.729 | 36.094 | 0.024 | 1488.7 | 30. | 80.47 | 1.279 |
| 40. | 9.437 | 35.278 | 6.21 | 9.433 | 27.27 | 31.731 | 36.096 | 0.032 | 1488.8 | 40. | 80.52 | 0.766 |
| 50. | 9.382 | 35.274 | 6.21 | 9.377 | 27.27 | 31.738 | 36.105 | 0.040 | 1488.7 | 50. | 80.17 | 1.389 |
| 60. | 9.345 | 35.270 | 6.20 | 9.339 | 27.27 | 31.742 | 36.110 | 0.048 | 1488.8 | 59. | 80.11 | 0.969 |
| 70. | 9.328 | 35.268 | 6.17 | 9.320 | 27.28 | 31.744 | 36.112 | 0.056 | 1488.9 | 69. | 80.21 | 0.657 |
| 80. | 9.312 | 35.265 | 6.16 | 9.303 | 27.28 | 31.745 | 36.113 | 0.064 | 1489.0 | 79. | 80.33 | 0.580 |
| 100. | 9.303 | 35.266 | 6.16 | 9.292 | 27.28 | 31.748 | 36.117 | 0.081 | 1489.3 | 99. | 80.53 | 0.646 |
| 120. | 9.314 | 35.269 | 6.16 | 9.301 | 27.28 | 31.749 | 36.117 | 0.097 | 1489.6 | 119. | 80.90 | 0.372 |
| 140. | 9.317 | 35.271 | 6.20 | 9.302 | 27.28 | 31.750 | 36.118 | 0.113 | 1490.0 | 139. | 81.21 | 0.473 |
| 160. | 9.313 | 35.273 | 6.19 | 9.295 | 27.28 | 31.752 | 36.121 | 0.129 | 1490.3 | 159. | 81.45 | 0.587 |
| 180. | 9.323 | 35.277 | 6.20 | 9.303 | 27.29 | 31.754 | 36.122 | 0.146 | 1490.7 | 178. | 81.72 | 0.544 |
| 200. | 9.299 | 35.280 | 6.16 | 9.277 | 27.29 | 31.761 | 36.130 | 0.162 | 1490.9 | 198. | 81.51 | 1.050 |
| 220. | 9.346 | 35.308 | 6.10 | 9.321 | 27.31 | 31.774 | 36.142 | 0.178 | 1491.5 | 218. | 80.63 | 1.489 |
| 240. | 9.329 | 35.319 | 6.09 | 9.303 | 27.32 | 31.787 | 36.155 | 0.194 | 1491.7 | 238. | 79.92 | 1.391 |
| 260. | 9.251 | 35.302 | 6.04 | 9.222 | 27.32 | 31.789 | 36.159 | 0.210 | 1491.8 | 258. | 80.35 | 0.191 |
| 280. | 9.079 | 35.271 | 5.88 | 9.048 | 27.32 | 31.797 | 36.171 | 0.226 | 1491.4 | 277. | 80.28 | 0.924 |
| 300. | 8.922 | 35.244 | 5.74 | 8.889 | 27.33 | 31.805 | 36.182 | 0.242 | 1491.1 | 297. | 80.21 | 0.918 |
| 320. | 8.786 | 35.228 | 5.66 | 8.751 | 27.34 | 31.818 | 36.199 | 0.258 | 1491.0 | 317. | 79.61 | 1.308 |
| 340. | 8.708 | 35.215 | 5.62 | 8.671 | 27.34 | 31.822 | 36.204 | 0.274 | 1491.0 | 337. | 79.77 | 0.663 |
| 360. | 8.516 | 35.198 | 5.50 | 8.477 | 27.36 | 31.844 | 36.231 | 0.290 | 1490.6 | 356. | 78.39 | 1.731 |
| 380. | 8.564 | 35.227 | 5.55 | 8.523 | 27.37 | 31.858 | 36.244 | 0.306 | 1491.1 | 376. | 77.39 | 1.538 |
| 400. | 8.472 | 35.215 | 5.50 | 8.430 | 27.38 | 31.865 | 36.253 | 0.321 | 1491.1 | 396. | 77.22 | 0.984 |
| 450. | 7.864 | 35.168 | 5.35 | 7.818 | 27.43 | 31.935 | 36.337 | 0.359 | 1489.6 | 446. | 72.40 | 1.972 |
| 500. | 7.355 | 35.134 | 5.30 | 7.306 | 27.48 | 31.996 | 36.409 | 0.394 | 1488.4 | 495. | 68.21 | 1.852 |
| 550. | 6.938 | 35.113 | 5.32 | 6.885 | 27.52 | 32.048 | 36.471 | 0.427 | 1487.6 | 544. | 64.59 | 1.738 |
| 600. | 6.345 | 35.049 | 5.47 | 6.290 | 27.55 | 32.093 | 36.530 | 0.459 | 1486.0 | 594. | 61.79 | 1.557 |
| 700. | 5.749 | 35.043 | 5.61 | 5.687 | 27.63 | 32.181 | 36.632 | 0.517 | 1485.3 | 693. | 55.52 | 1.616 |
| 800. | 5.449 | 35.060 | 5.69 | 5.380 | 27.68 | 32.239 | 36.698 | 0.570 | 1485.8 | 791. | 51.59 | 1.338 |
| 900. | 5.240 | 35.067 | 5.70 | 5.163 | 27.71 | 32.276 | 36.741 | 0.621 | 1486.6 | 890. | 49.53 | 1.070 |
| 1000. | 4.580 | 34.986 | 6.00 | 4.499 | 27.72 | 32.305 | 36.787 | 0.669 | 1485.5 | 989. | 48.12 | 0.945 |
| 1100. | 4.272 | 34.958 | 6.04 | 4.185 | 27.73 | 32.326 | 36.815 | 0.717 | 1485.8 | 1087. | 47.27 | 0.815 |
| 1200. | 4.088 | 34.947 | 6.12 | 3.994 | 27.74 | 32.342 | 36.836 | 0.764 | 1486.7 | 1186. | 46.77 | 0.728 |
| 1300. | 3.927 | 34.935 | 6.15 | 3.825 | 27.75 | 32.354 | 36.853 | 0.810 | 1487.7 | 1284. | 46.51 | 0.657 |
| 1400. | 3.806 | 34.928 | 6.16 | 3.697 | 27.76 | 32.366 | 36.868 | 0.857 | 1488.8 | 1383. | 46.34 | 0.624 |
| 1500. | 3.671 | 34.922 | 6.17 | 3.555 | 27.77 | 32.379 | 36.884 | 0.903 | 1489.9 | 1481. | 45.92 | 0.681 |
| 1600. | 3.618 | 34.926 | 6.16 | 3.494 | 27.78 | 32.390 | 36.897 | 0.949 | 1491.4 | 1580. | 45.74 | 0.613 |
| 1700. | 3.579 | 34.936 | 6.09 | 3.446 | 27.79 | 32.404 | 36.912 | 0.994 | 1492.9 | 1678. | 45.27 | 0.686 |
| 1800. | 3.515 | 34.943 | 6.05 | 3.374 | 27.80 | 32.418 | 36.929 | 1.039 | 1494.3 | 1776. | 44.70 | 0.708 |
| 1900. | 3.460 | 34.947 | 6.04 | 3.310 | 27.81 | 32.429 | 36.941 | 1.084 | 1495.7 | 1875. | 44.43 | 0.629 |
| 2000. | 3.395 | 34.952 | 6.02 | 3.236 | 27.82 | 32.442 | 36.956 | 1.128 | 1497.2 | 1973. | 43.99 | 0.669 |
| 2100. | 3.281 | 34.949 | 5.98 | 3.115 | 27.83 | 32.455 | 36.972 | 1.172 | 1498.4 | 2071. | 43.36 | 0.713 |
| 2200. | 3.166 | 34.956 | 5.97 | 2.992 | 27.85 | 32.475 | 36.995 | 1.214 | 1499.6 | 2169. | 41.99 | 0.865 |
| 2300. | 3.060 | 34.955 | 5.94 | 2.878 | 27.86 | 32.488 | 37.011 | 1.256 | 1500.8 | 2267. | 41.26 | 0.725 |
| 2400. | 2.852 | 34.947 | 5.78 | 2.664 | 27.87 | 32.506 | 37.035 | 1.296 | 1501.6 | 2365. | 39.60 | 0.911 |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PRESS
DBAR
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
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CTD11845 O
START 111 /043645
STOP 111 /050035
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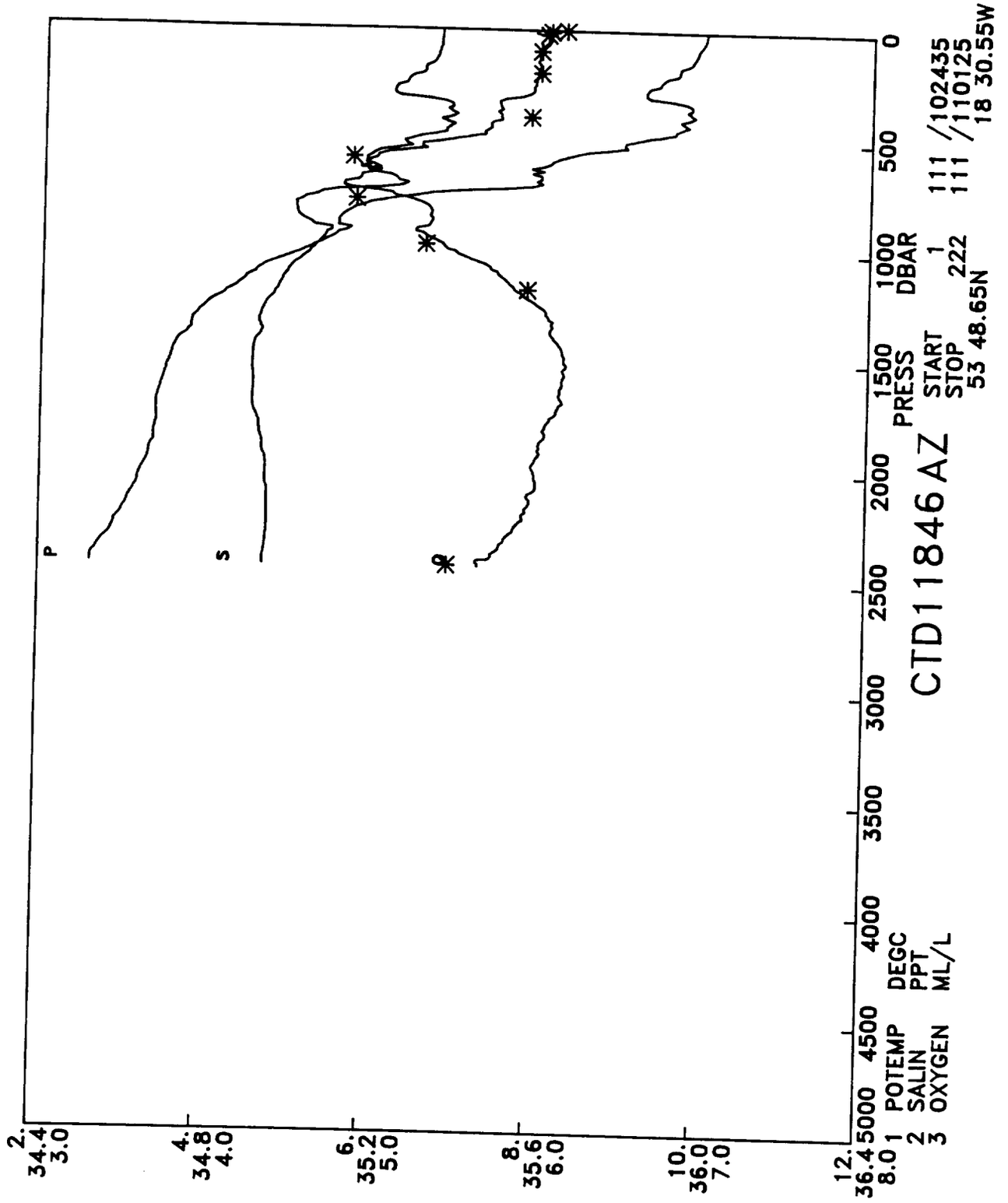
# DISCOVERY 181 STATION 11845

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 9.944 | 35.376 | 5.85 | 9.943 | 27.26 | 31.710 | 36.064 | 0.008 | 1490.2 | 10. | 80.74 | -9.999 |
| 20. | 9.935 | 35.376 | 5.90 | 9.933 | 27.26 | 31.711 | 36.066 | 0.016 | 1490.4 | 20. | 80.84 | 0.692 |
| 30. | 9.934 | 35.376 | 5.92 | 9.930 | 27.26 | 31.712 | 36.066 | 0.024 | 1490.5 | 30. | 81.05 | 0.287 |
| 40. | 9.930 | 35.376 | 5.92 | 9.925 | 27.26 | 31.713 | 36.067 | 0.032 | 1490.7 | 40. | 81.20 | 0.565 |
| 50. | 9.909 | 35.376 | 5.95 | 9.903 | 27.26 | 31.717 | 36.072 | 0.040 | 1490.8 | 50. | 81.08 | 1.081 |
| 60. | 9.879 | 35.377 | 5.93 | 9.872 | 27.27 | 31.724 | 36.079 | 0.049 | 1490.8 | 59. | 80.74 | 1.389 |
| 70. | 9.858 | 35.378 | 5.91 | 9.850 | 27.27 | 31.729 | 36.085 | 0.057 | 1490.9 | 69. | 80.52 | 1.240 |
| 80. | 9.840 | 35.376 | 5.91 | 9.831 | 27.28 | 31.731 | 36.088 | 0.065 | 1491.0 | 79. | 80.58 | 0.763 |
| 100. | 9.813 | 35.374 | 5.87 | 9.802 | 27.28 | 31.735 | 36.092 | 0.081 | 1491.3 | 99. | 80.75 | 0.707 |
| 120. | 9.807 | 35.373 | 5.84 | 9.793 | 27.28 | 31.736 | 36.094 | 0.097 | 1491.6 | 119. | 81.12 | 0.417 |
| 140. | 9.812 | 35.374 | 5.84 | 9.796 | 27.28 | 31.736 | 36.093 | 0.113 | 1491.9 | 139. | 81.61 | -0.205 |
| 160. | 9.807 | 35.373 | 5.80 | 9.788 | 27.28 | 31.736 | 36.094 | 0.130 | 1492.2 | 159. | 82.04 | 0.262 |
| 180. | 9.818 | 35.375 | 5.83 | 9.797 | 27.28 | 31.737 | 36.094 | 0.146 | 1492.6 | 178. | 82.47 | 0.250 |
| 200. | 9.814 | 35.374 | 5.83 | 9.791 | 27.28 | 31.737 | 36.094 | 0.163 | 1492.9 | 198. | 82.93 | 0.159 |
| 220. | 9.814 | 35.374 | 5.82 | 9.789 | 27.28 | 31.737 | 36.095 | 0.179 | 1493.2 | 218. | 83.35 | 0.267 |
| 240. | 9.816 | 35.375 | 5.81 | 9.788 | 27.28 | 31.738 | 36.096 | 0.196 | 1493.6 | 238. | 83.75 | 0.344 |
| 260. | 9.814 | 35.374 | 5.81 | 9.784 | 27.28 | 31.738 | 36.096 | 0.213 | 1493.9 | 258. | 84.22 | -0.064 |
| 280. | 9.813 | 35.374 | 5.82 | 9.781 | 27.28 | 31.739 | 36.097 | 0.230 | 1494.2 | 277. | 84.63 | 0.303 |
| 300. | 9.816 | 35.375 | 5.82 | 9.782 | 27.28 | 31.740 | 36.098 | 0.247 | 1494.6 | 297. | 84.99 | 0.424 |
| 320. | 9.824 | 35.377 | 5.81 | 9.787 | 27.28 | 31.740 | 36.097 | 0.264 | 1494.9 | 317. | 85.46 | -0.089 |
| 340. | 9.828 | 35.378 | 5.81 | 9.788 | 27.28 | 31.741 | 36.098 | 0.281 | 1495.3 | 337. | 85.84 | 0.381 |
| 360. | 9.827 | 35.377 | 5.77 | 9.785 | 27.28 | 31.741 | 36.098 | 0.298 | 1495.6 | 356. | 86.33 | -0.186 |
| 380. | 9.762 | 35.368 | 5.77 | 9.718 | 27.29 | 31.746 | 36.105 | 0.315 | 1495.7 | 376. | 86.37 | 0.846 |
| 400. | 9.670 | 35.356 | 5.76 | 9.624 | 27.29 | 31.755 | 36.116 | 0.333 | 1495.7 | 396. | 86.09 | 1.118 |
| 450. | 9.528 | 35.343 | 5.74 | 9.477 | 27.31 | 31.773 | 36.137 | 0.375 | 1496.0 | 445. | 85.77 | 0.990 |
| 500. | 9.295 | 35.310 | 5.55 | 9.238 | 27.32 | 31.792 | 36.161 | 0.418 | 1495.9 | 495. | 85.36 | 1.010 |
| 550. | 9.344 | 35.339 | 5.76 | 9.281 | 27.34 | 31.806 | 36.175 | 0.461 | 1496.9 | 544. | 85.05 | 0.977 |
| 600. | 9.285 | 35.345 | 5.92 | 9.217 | 27.35 | 31.823 | 36.193 | 0.503 | 1497.6 | 594. | 84.64 | 1.008 |
| 700. | 8.801 | 35.284 | 5.49 | 8.724 | 27.39 | 31.866 | 36.247 | 0.587 | 1497.3 | 693. | 83.08 | 1.115 |
| 800. | 8.049 | 35.256 | 4.97 | 7.964 | 27.48 | 31.979 | 36.376 | 0.667 | 1496.2 | 791. | 74.90 | 1.851 |
| 900. | 7.204 | 35.237 | 4.99 | 7.113 | 27.59 | 32.108 | 36.525 | 0.736 | 1494.6 | 890. | 64.91 | 1.995 |
| 1000. | 6.105 | 35.116 | 5.38 | 6.013 | 27.64 | 32.188 | 36.632 | 0.797 | 1491.8 | 989. | 59.10 | 1.582 |
| 1100. | 5.744 | 35.093 | 5.41 | 5.645 | 27.67 | 32.226 | 36.679 | 0.855 | 1492.0 | 1087. | 56.98 | 1.099 |
| 1200. | 4.872 | 35.018 | 5.80 | 4.771 | 27.72 | 32.293 | 36.768 | 0.910 | 1490.0 | 1186. | 51.71 | 1.491 |
| 1300. | 4.306 | 34.974 | 6.05 | 4.200 | 27.74 | 32.336 | 36.825 | 0.960 | 1489.3 | 1284. | 48.51 | 1.213 |
| 1400. | 3.897 | 34.947 | 6.09 | 3.787 | 27.77 | 32.369 | 36.869 | 1.007 | 1489.2 | 1383. | 46.08 | 1.083 |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PRESS
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1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
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START 111 /102435
STOP 111 /110125
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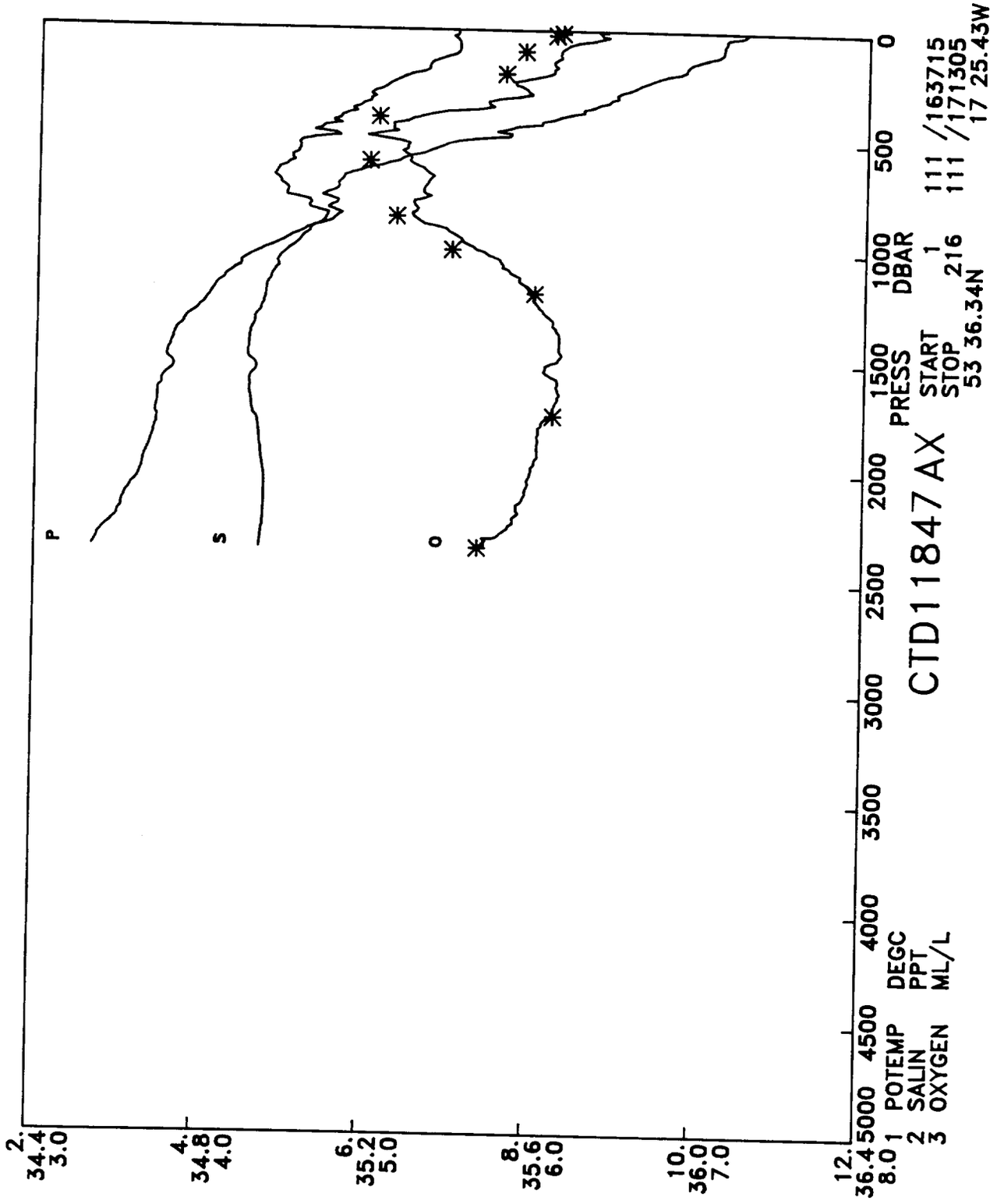
53 48.65N 18 30.55W

# DISCOVERY 181 STATION 11846

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 9.973 | 35.359 | 5.93 | 9.972 | 27.24 | 31.691 | 36.045 | 0.008 | 1490.3 | 10. | 82.47 | -9.999 |
| 20. | 9.975 | 35.359 | 6.00 | 9.972 | 27.24 | 31.691 | 36.045 | 0.017 | 1490.5 | 20. | 82.71 | -0.155 |
| 30. | 9.970 | 35.359 | 6.05 | 9.966 | 27.24 | 31.691 | 36.045 | 0.025 | 1490.6 | 30. | 82.90 | 0.400 |
| 40. | 9.970 | 35.358 | 6.05 | 9.966 | 27.24 | 31.691 | 36.045 | 0.033 | 1490.8 | 40. | 83.16 | -0.277 |
| 50. | 9.947 | 35.356 | 6.05 | 9.941 | 27.24 | 31.694 | 36.049 | 0.041 | 1490.9 | 50. | 83.15 | 0.906 |
| 60. | 9.936 | 35.359 | 6.03 | 9.929 | 27.24 | 31.699 | 36.053 | 0.050 | 1491.0 | 59. | 83.00 | 1.151 |
| 70. | 9.923 | 35.357 | 6.01 | 9.915 | 27.25 | 31.700 | 36.055 | 0.058 | 1491.1 | 69. | 83.14 | 0.565 |
| 80. | 9.896 | 35.354 | 6.01 | 9.887 | 27.25 | 31.703 | 36.059 | 0.066 | 1491.2 | 79. | 83.12 | 0.928 |
| 100. | 9.881 | 35.352 | 6.00 | 9.870 | 27.25 | 31.705 | 36.061 | 0.083 | 1491.5 | 99. | 83.49 | 0.417 |
| 120. | 9.858 | 35.349 | 5.99 | 9.844 | 27.25 | 31.707 | 36.064 | 0.100 | 1491.7 | 119. | 83.77 | 0.568 |
| 140. | 9.828 | 35.344 | 5.98 | 9.812 | 27.25 | 31.710 | 36.067 | 0.117 | 1491.9 | 139. | 84.07 | 0.537 |
| 160. | 9.733 | 35.328 | 6.00 | 9.715 | 27.26 | 31.716 | 36.076 | 0.133 | 1491.9 | 159. | 84.10 | 0.848 |
| 180. | 9.680 | 35.319 | 5.98 | 9.659 | 27.26 | 31.719 | 36.080 | 0.150 | 1492.0 | 178. | 84.37 | 0.566 |
| 200. | 9.664 | 35.315 | 5.97 | 9.641 | 27.26 | 31.720 | 36.081 | 0.167 | 1492.3 | 198. | 84.77 | 0.328 |
| 220. | 9.503 | 35.284 | 5.96 | 9.479 | 27.26 | 31.726 | 36.091 | 0.184 | 1492.0 | 218. | 84.94 | 0.699 |
| 240. | 9.469 | 35.279 | 5.96 | 9.442 | 27.26 | 31.730 | 36.095 | 0.201 | 1492.2 | 238. | 85.13 | 0.659 |
| 260. | 9.322 | 35.252 | 5.95 | 9.293 | 27.27 | 31.736 | 36.105 | 0.218 | 1492.0 | 258. | 85.20 | 0.793 |
| 280. | 9.291 | 35.246 | 5.94 | 9.260 | 27.27 | 31.738 | 36.108 | 0.235 | 1492.2 | 277. | 85.52 | 0.461 |
| 300. | 9.319 | 35.254 | 5.89 | 9.286 | 27.27 | 31.739 | 36.108 | 0.252 | 1492.6 | 297. | 85.84 | 0.472 |
| 320. | 9.774 | 35.365 | 5.76 | 9.737 | 27.28 | 31.740 | 36.099 | 0.269 | 1494.7 | 317. | 85.48 | 1.168 |
| 340. | 9.869 | 35.389 | 5.76 | 9.829 | 27.29 | 31.741 | 36.098 | 0.287 | 1495.4 | 337. | 85.75 | 0.566 |
| 360. | 9.818 | 35.378 | 5.76 | 9.776 | 27.29 | 31.743 | 36.101 | 0.304 | 1495.6 | 356. | 86.10 | 0.451 |
| 380. | 9.903 | 35.398 | 5.75 | 9.858 | 27.29 | 31.743 | 36.099 | 0.321 | 1496.2 | 376. | 86.49 | 0.368 |
| 400. | 9.796 | 35.374 | 5.75 | 9.750 | 27.29 | 31.745 | 36.103 | 0.338 | 1496.1 | 396. | 86.92 | 0.243 |
| 450. | 9.678 | 35.371 | 5.69 | 9.626 | 27.31 | 31.766 | 36.127 | 0.382 | 1496.5 | 446. | 86.21 | 1.117 |
| 500. | 9.152 | 35.282 | 5.46 | 9.096 | 27.32 | 31.797 | 36.170 | 0.425 | 1495.3 | 495. | 85.03 | 1.240 |
| 550. | 8.617 | 35.212 | 5.22 | 8.558 | 27.36 | 31.840 | 36.225 | 0.467 | 1494.1 | 544. | 82.55 | 1.541 |
| 600. | 8.221 | 35.182 | 4.96 | 8.157 | 27.39 | 31.888 | 36.282 | 0.507 | 1493.4 | 594. | 79.43 | 1.664 |
| 700. | 8.114 | 35.285 | 4.81 | 8.039 | 27.49 | 31.988 | 36.384 | 0.583 | 1494.8 | 693. | 72.02 | 1.774 |
| 800. | 5.941 | 35.012 | 5.35 | 5.869 | 27.58 | 32.129 | 36.577 | 0.650 | 1487.7 | 791. | 61.73 | 2.008 |
| 900. | 5.801 | 35.093 | 5.27 | 5.721 | 27.66 | 32.215 | 36.665 | 0.708 | 1488.9 | 890. | 55.19 | 1.640 |
| 1000. | 5.285 | 35.053 | 5.47 | 5.199 | 27.69 | 32.260 | 36.723 | 0.762 | 1488.4 | 989. | 52.39 | 1.187 |
| 1100. | 4.685 | 34.995 | 5.76 | 4.594 | 27.72 | 32.300 | 36.779 | 0.813 | 1487.6 | 1087. | 49.81 | 1.136 |
| 1200. | 4.312 | 34.964 | 5.93 | 4.216 | 27.73 | 32.326 | 36.815 | 0.862 | 1487.6 | 1186. | 48.34 | 0.939 |
| 1300. | 3.989 | 34.932 | 6.05 | 3.887 | 27.74 | 32.344 | 36.841 | 0.910 | 1487.9 | 1284. | 47.51 | 0.795 |
| 1400. | 3.825 | 34.927 | 6.10 | 3.715 | 27.76 | 32.362 | 36.864 | 0.957 | 1488.9 | 1383. | 46.67 | 0.789 |
| 1500. | 3.683 | 34.914 | 6.16 | 3.566 | 27.76 | 32.371 | 36.877 | 1.004 | 1489.9 | 1481. | 46.63 | 0.580 |
| 1600. | 3.601 | 34.917 | 6.15 | 3.477 | 27.77 | 32.385 | 36.892 | 1.050 | 1491.3 | 1580. | 46.18 | 0.681 |
| 1700. | 3.534 | 34.915 | 6.15 | 3.401 | 27.78 | 32.392 | 36.902 | 1.096 | 1492.7 | 1678. | 46.27 | 0.530 |
| 1800. | 3.539 | 34.931 | 6.06 | 3.397 | 27.79 | 32.406 | 36.916 | 1.142 | 1494.4 | 1776. | 45.88 | 0.661 |
| 1900. | 3.489 | 34.939 | 6.04 | 3.339 | 27.80 | 32.419 | 36.930 | 1.188 | 1495.9 | 1875. | 45.46 | 0.670 |
| 2000. | 3.407 | 34.949 | 5.99 | 3.248 | 27.82 | 32.438 | 36.952 | 1.233 | 1497.2 | 1973. | 44.34 | 0.825 |
| 2100. | 3.307 | 34.955 | 5.95 | 3.140 | 27.84 | 32.456 | 36.972 | 1.277 | 1498.5 | 2071. | 43.30 | 0.804 |
| 2200. | 3.172 | 34.955 | 5.94 | 2.998 | 27.85 | 32.473 | 36.993 | 1.319 | 1499.6 | 2169. | 42.15 | 0.823 |
| 2300. | 3.032 | 34.953 | 5.83 | 2.851 | 27.86 | 32.489 | 37.013 | 1.361 | 1500.7 | 2267. | 41.03 | 0.810 |
| 2400. | 2.822 | 34.946 | 5.68 | 2.634 | 27.88 | 32.509 | 37.039 | 1.401 | 1501.5 | 2365. | 39.25 | 0.933 |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START 111 /163715
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PRESS DBAR
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1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
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4. 34.8 4.0
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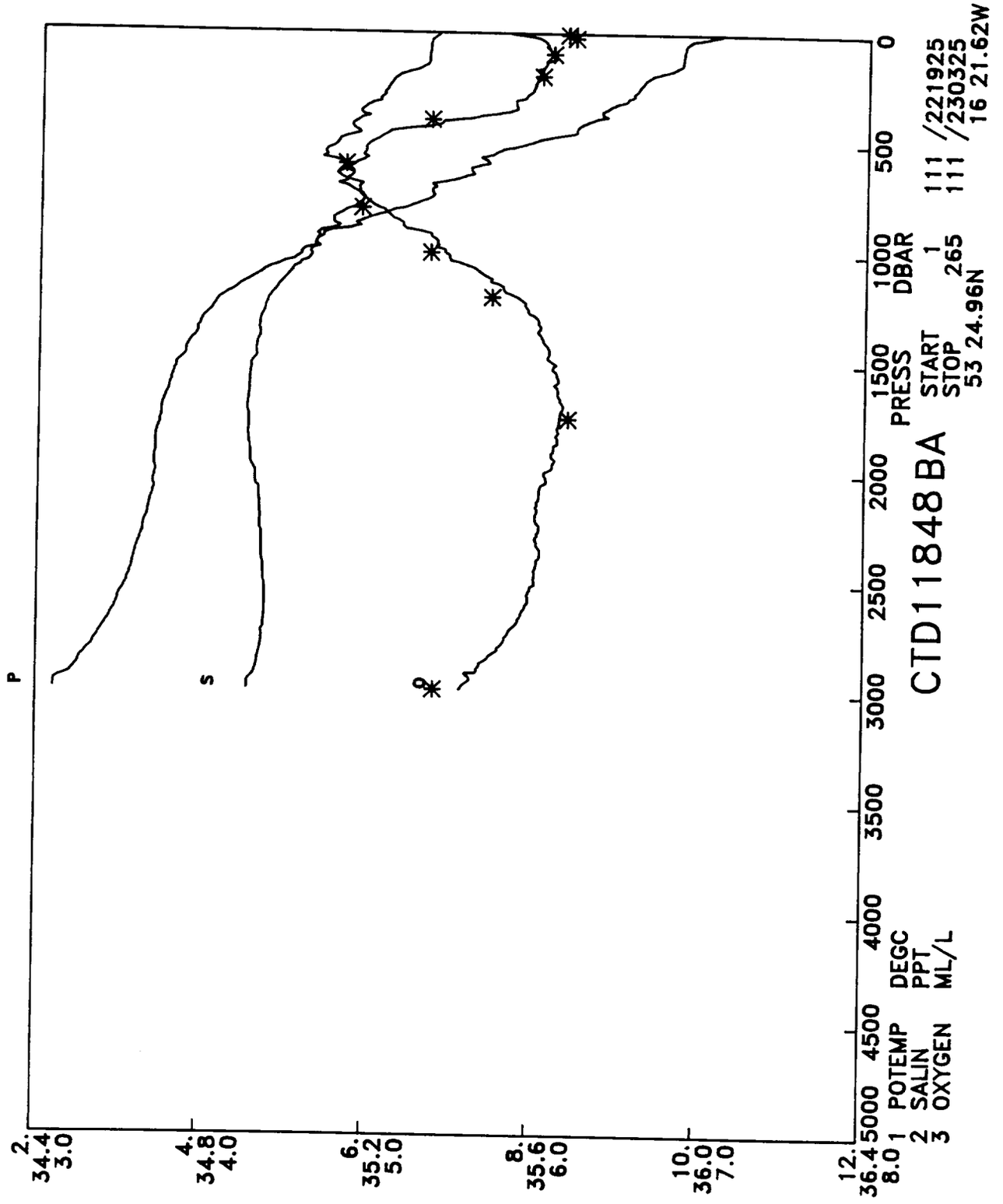
12. 36.4 8.0

## DISCOVERY 181 STATION 11847

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 10.501 | 35.409 | 6.39 | 10.500 | 27.18 | 31.626 | 35.969 | 0.009 | 1492.3 | 10. | 87.50 | -9.999 |
| 20. | 10.447 | 35.408 | 6.40 | 10.445 | 27.19 | 31.636 | 35.980 | 0.018 | 1492.2 | 20. | 86.90 | 1.688 |
| 30. | 10.284 | 35.403 | 6.43 | 10.281 | 27.22 | 31.664 | 36.012 | 0.026 | 1491.8 | 30. | 84.81 | 2.787 |
| 40. | 10.291 | 35.407 | 6.37 | 10.287 | 27.22 | 31.666 | 36.013 | 0.035 | 1492.0 | 40. | 84.88 | 0.778 |
| 50. | 10.270 | 35.415 | 6.30 | 10.264 | 27.23 | 31.677 | 36.024 | 0.043 | 1492.1 | 50. | 84.16 | 1.799 |
| 60. | 10.264 | 35.415 | 6.21 | 10.257 | 27.23 | 31.678 | 36.026 | 0.051 | 1492.3 | 59. | 84.30 | 0.583 |
| 70. | 10.258 | 35.414 | 6.18 | 10.250 | 27.23 | 31.679 | 36.027 | 0.060 | 1492.4 | 69. | 84.45 | 0.550 |
| 80. | 10.256 | 35.414 | 6.18 | 10.246 | 27.23 | 31.680 | 36.028 | 0.068 | 1492.6 | 79. | 84.64 | 0.419 |
| 100. | 10.239 | 35.412 | 6.14 | 10.228 | 27.23 | 31.682 | 36.030 | 0.085 | 1492.8 | 99. | 84.98 | 0.496 |
| 120. | 10.068 | 35.381 | 6.17 | 10.054 | 27.24 | 31.692 | 36.044 | 0.102 | 1492.5 | 119. | 84.81 | 1.050 |
| 140. | 9.893 | 35.350 | 6.11 | 9.877 | 27.25 | 31.702 | 36.058 | 0.119 | 1492.2 | 139. | 84.66 | 1.021 |
| 160. | 9.842 | 35.342 | 6.14 | 9.823 | 27.25 | 31.706 | 36.063 | 0.136 | 1492.3 | 159. | 84.83 | 0.702 |
| 180. | 9.801 | 35.339 | 6.11 | 9.781 | 27.25 | 31.712 | 36.070 | 0.153 | 1492.5 | 178. | 84.88 | 0.841 |
| 200. | 9.565 | 35.294 | 6.08 | 9.543 | 27.26 | 31.722 | 36.086 | 0.170 | 1491.9 | 198. | 84.76 | 0.990 |
| 220. | 9.430 | 35.271 | 5.92 | 9.406 | 27.26 | 31.730 | 36.097 | 0.187 | 1491.7 | 218. | 84.68 | 0.946 |
| 240. | 9.296 | 35.249 | 5.88 | 9.269 | 27.27 | 31.739 | 36.108 | 0.204 | 1491.5 | 238. | 84.54 | 0.988 |
| 260. | 9.202 | 35.237 | 5.94 | 9.174 | 27.28 | 31.747 | 36.118 | 0.221 | 1491.5 | 258. | 84.39 | 0.990 |
| 280. | 9.038 | 35.207 | 5.96 | 9.007 | 27.28 | 31.755 | 36.130 | 0.238 | 1491.2 | 277. | 84.34 | 0.907 |
| 300. | 9.073 | 35.225 | 5.89 | 9.039 | 27.29 | 31.763 | 36.137 | 0.255 | 1491.7 | 297. | 83.99 | 1.144 |
| 320. | 8.929 | 35.204 | 5.74 | 8.894 | 27.30 | 31.773 | 36.151 | 0.271 | 1491.4 | 317. | 83.64 | 1.147 |
| 340. | 8.766 | 35.181 | 5.77 | 8.729 | 27.30 | 31.785 | 36.167 | 0.288 | 1491.1 | 337. | 83.17 | 1.220 |
| 360. | 8.601 | 35.156 | 5.62 | 8.562 | 27.31 | 31.795 | 36.181 | 0.305 | 1490.8 | 356. | 82.87 | 1.091 |
| 380. | 8.442 | 35.143 | 5.37 | 8.402 | 27.33 | 31.814 | 36.203 | 0.321 | 1490.6 | 376. | 81.70 | 1.627 |
| 400. | 8.272 | 35.130 | 5.25 | 8.230 | 27.34 | 31.834 | 36.227 | 0.337 | 1490.2 | 396. | 80.46 | 1.658 |
| 450. | 7.642 | 35.074 | 5.14 | 7.597 | 27.39 | 31.900 | 36.307 | 0.376 | 1488.6 | 446. | 76.05 | 1.897 |
| 500. | 7.141 | 35.042 | 5.19 | 7.093 | 27.44 | 31.959 | 36.378 | 0.414 | 1487.5 | 495. | 71.96 | 1.829 |
| 550. | 6.746 | 35.028 | 5.22 | 6.694 | 27.48 | 32.013 | 36.441 | 0.448 | 1486.7 | 544. | 68.16 | 1.764 |
| 600. | 6.332 | 35.009 | 5.26 | 6.277 | 27.52 | 32.064 | 36.502 | 0.482 | 1485.9 | 594. | 64.54 | 1.723 |
| 700. | 5.679 | 34.990 | 5.37 | 5.618 | 27.59 | 32.149 | 36.603 | 0.543 | 1485.0 | 693. | 58.54 | 1.586 |
| 800. | 5.597 | 35.057 | 5.28 | 5.527 | 27.66 | 32.215 | 36.671 | 0.599 | 1486.4 | 791. | 53.79 | 1.438 |
| 900. | 5.334 | 35.061 | 5.47 | 5.257 | 27.69 | 32.258 | 36.720 | 0.652 | 1487.0 | 890. | 51.26 | 1.146 |
| 1000. | 4.791 | 35.005 | 5.70 | 4.709 | 27.71 | 32.291 | 36.767 | 0.702 | 1486.3 | 989. | 49.42 | 1.024 |
| 1100. | 4.418 | 34.972 | 5.87 | 4.330 | 27.73 | 32.318 | 36.803 | 0.751 | 1486.4 | 1087. | 48.08 | 0.920 |
| 1200. | 4.193 | 34.955 | 5.98 | 4.098 | 27.74 | 32.335 | 36.827 | 0.798 | 1487.1 | 1186. | 47.47 | 0.757 |
| 1300. | 3.928 | 34.930 | 6.11 | 3.826 | 27.75 | 32.351 | 36.850 | 0.846 | 1487.7 | 1284. | 46.84 | 0.749 |
| 1400. | 3.764 | 34.917 | 6.18 | 3.655 | 27.76 | 32.362 | 36.866 | 0.892 | 1488.6 | 1383. | 46.59 | 0.644 |
| 1500. | 3.749 | 34.926 | 6.13 | 3.632 | 27.77 | 32.373 | 36.876 | 0.939 | 1490.2 | 1481. | 46.57 | 0.574 |
| 1600. | 3.647 | 34.918 | 6.15 | 3.521 | 27.77 | 32.380 | 36.887 | 0.985 | 1491.5 | 1580. | 46.67 | 0.537 |
| 1700. | 3.593 | 34.923 | 6.15 | 3.459 | 27.78 | 32.392 | 36.900 | 1.032 | 1492.9 | 1678. | 46.42 | 0.629 |
| 1800. | 3.590 | 34.941 | 6.06 | 3.448 | 27.80 | 32.407 | 36.916 | 1.078 | 1494.6 | 1776. | 45.88 | 0.702 |
| 1900. | 3.518 | 34.949 | 6.04 | 3.367 | 27.81 | 32.423 | 36.934 | 1.124 | 1496.0 | 1875. | 45.12 | 0.754 |
| 2000. | 3.440 | 34.955 | 6.00 | 3.280 | 27.82 | 32.439 | 36.952 | 1.168 | 1497.3 | 1973. | 44.33 | 0.755 |
| 2100. | 3.268 | 34.956 | 5.96 | 3.102 | 27.84 | 32.462 | 36.979 | 1.212 | 1498.3 | 2071. | 42.67 | 0.925 |
| 2200. | 3.173 | 34.956 | 5.90 | 2.999 | 27.85 | 32.474 | 36.994 | 1.254 | 1499.6 | 2169. | 42.10 | 0.693 |
| 2300. | 2.941 | 34.949 | 5.74 | 2.762 | 27.87 | 32.497 | 37.023 | 1.295 | 1500.3 | 2267. | 40.03 | 0.987 |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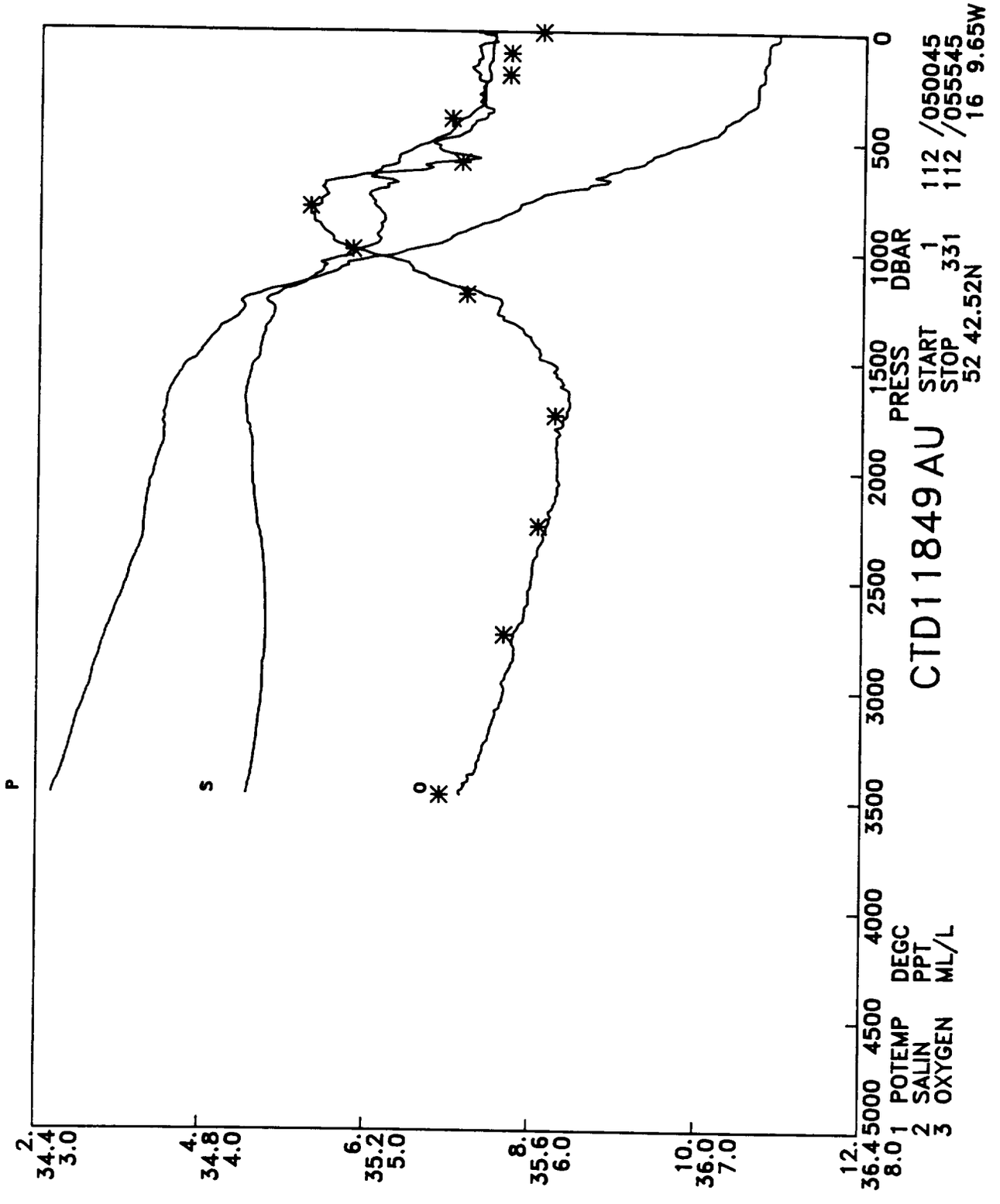
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L

# DISCOVERY 181 STATION 11848

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-6}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 10.208 | 35.360 | 5.88 | 10.207 | 27.20 | 31.646 | 35.995 | 0.009 | 1491.2 | 10. | 86.26 | -9.999 |
| 20. | 10.007 | 35.351 | 6.00 | 10.004 | 27.23 | 31.678 | 36.031 | 0.017 | 1490.6 | 20. | 83.88 | 2.958 |
| 30. | 9.861 | 35.344 | 6.05 | 9.858 | 27.25 | 31.701 | 36.057 | 0.025 | 1490.2 | 30. | 82.25 | 2.494 |
| 40. | 9.827 | 35.343 | 6.05 | 9.823 | 27.25 | 31.707 | 36.064 | 0.034 | 1490.3 | 40. | 81.97 | 1.311 |
| 50. | 9.794 | 35.340 | 6.06 | 9.789 | 27.25 | 31.711 | 36.069 | 0.042 | 1490.3 | 50. | 81.86 | 1.073 |
| 60. | 9.786 | 35.340 | 6.07 | 9.780 | 27.26 | 31.713 | 36.071 | 0.050 | 1490.5 | 59. | 81.94 | 0.720 |
| 70. | 9.783 | 35.340 | 6.07 | 9.775 | 27.26 | 31.714 | 36.072 | 0.058 | 1490.6 | 69. | 82.12 | 0.441 |
| 80. | 9.777 | 35.340 | 6.08 | 9.768 | 27.26 | 31.715 | 36.073 | 0.066 | 1490.8 | 79. | 82.27 | 0.523 |
| 100. | 9.771 | 35.338 | 6.12 | 9.759 | 27.26 | 31.715 | 36.074 | 0.083 | 1491.1 | 99. | 82.71 | 0.202 |
| 120. | 9.767 | 35.338 | 6.11 | 9.753 | 27.26 | 31.716 | 36.075 | 0.099 | 1491.4 | 119. | 83.10 | 0.357 |
| 140. | 9.762 | 35.336 | 6.06 | 9.746 | 27.26 | 31.716 | 36.075 | 0.116 | 1491.7 | 139. | 83.57 | -0.066 |
| 160. | 9.671 | 35.318 | 6.00 | 9.653 | 27.26 | 31.720 | 36.081 | 0.133 | 1491.7 | 159. | 83.84 | 0.573 |
| 180. | 9.497 | 35.285 | 6.00 | 9.477 | 27.26 | 31.728 | 36.092 | 0.150 | 1491.3 | 178. | 83.91 | 0.811 |
| 200. | 9.368 | 35.262 | 5.99 | 9.346 | 27.27 | 31.734 | 36.102 | 0.166 | 1491.2 | 198. | 83.98 | 0.799 |
| 220. | 9.314 | 35.250 | 5.98 | 9.290 | 27.27 | 31.736 | 36.105 | 0.183 | 1491.3 | 218. | 84.36 | 0.315 |
| 240. | 9.264 | 35.241 | 5.98 | 9.237 | 27.27 | 31.738 | 36.108 | 0.200 | 1491.4 | 238. | 84.68 | 0.462 |
| 260. | 9.239 | 35.236 | 5.99 | 9.210 | 27.27 | 31.740 | 36.110 | 0.217 | 1491.6 | 258. | 85.01 | 0.434 |
| 280. | 9.229 | 35.237 | 5.92 | 9.198 | 27.27 | 31.742 | 36.113 | 0.234 | 1491.9 | 277. | 85.22 | 0.629 |
| 300. | 9.172 | 35.231 | 5.92 | 9.139 | 27.28 | 31.749 | 36.121 | 0.251 | 1492.0 | 297. | 85.16 | 0.911 |
| 320. | 8.979 | 35.199 | 5.88 | 8.944 | 27.28 | 31.760 | 36.136 | 0.268 | 1491.6 | 317. | 84.84 | 1.121 |
| 340. | 8.891 | 35.182 | 5.90 | 8.854 | 27.28 | 31.763 | 36.142 | 0.285 | 1491.6 | 337. | 85.08 | 0.573 |
| 360. | 8.793 | 35.167 | 5.84 | 8.754 | 27.29 | 31.769 | 36.150 | 0.302 | 1491.6 | 356. | 85.05 | 0.863 |
| 380. | 8.875 | 35.194 | 5.63 | 8.833 | 27.30 | 31.776 | 36.155 | 0.319 | 1492.2 | 376. | 84.71 | 1.133 |
| 400. | 8.676 | 35.166 | 5.44 | 8.633 | 27.31 | 31.791 | 36.175 | 0.336 | 1491.8 | 396. | 84.01 | 1.367 |
| 450. | 8.551 | 35.182 | 5.08 | 8.502 | 27.34 | 31.827 | 36.213 | 0.378 | 1492.2 | 446. | 81.84 | 1.466 |
| 500. | 7.972 | 35.121 | 4.99 | 7.920 | 27.38 | 31.881 | 36.281 | 0.418 | 1490.7 | 495. | 78.37 | 1.730 |
| 550. | 7.582 | 35.103 | 4.94 | 7.526 | 27.42 | 31.934 | 36.343 | 0.456 | 1490.1 | 544. | 74.71 | 1.755 |
| 600. | 7.393 | 35.144 | 4.90 | 7.333 | 27.49 | 31.999 | 36.412 | 0.492 | 1490.2 | 594. | 69.68 | 1.996 |
| 700. | 6.857 | 35.148 | 4.92 | 6.790 | 27.57 | 32.091 | 36.517 | 0.559 | 1489.8 | 693. | 63.14 | 1.668 |
| 800. | 6.397 | 35.149 | 5.08 | 6.322 | 27.63 | 32.166 | 36.602 | 0.619 | 1489.7 | 791. | 57.99 | 1.509 |
| 900. | 5.601 | 35.082 | 5.32 | 5.522 | 27.68 | 32.236 | 36.691 | 0.675 | 1488.1 | 890. | 53.25 | 1.448 |
| 1000. | 5.263 | 35.058 | 5.48 | 5.176 | 27.70 | 32.267 | 36.731 | 0.728 | 1488.3 | 989. | 51.74 | 0.983 |
| 1100. | 4.750 | 35.005 | 5.70 | 4.658 | 27.72 | 32.298 | 36.776 | 0.779 | 1487.8 | 1087. | 49.98 | 1.009 |
| 1200. | 4.325 | 34.961 | 5.89 | 4.228 | 27.73 | 32.322 | 36.811 | 0.828 | 1487.7 | 1186. | 48.72 | 0.900 |
| 1300. | 4.097 | 34.939 | 6.02 | 3.994 | 27.74 | 32.336 | 36.831 | 0.876 | 1488.4 | 1284. | 48.33 | 0.702 |
| 1400. | 3.950 | 34.932 | 6.09 | 3.839 | 27.75 | 32.350 | 36.849 | 0.925 | 1489.4 | 1383. | 47.93 | 0.694 |
| 1500. | -9.999 | -9.999 | -9.99 | -9.999 | -10.00 | -9.999 | -9.999 | -9.999 | -999.9 | 1481. | -10.00 | -9.999 |
| 1600. | 3.724 | 34.914 | 6.14 | 3.598 | 27.76 | 32.367 | 36.872 | 1.020 | 1491.8 | 1580. | 48.00 | 0.563 |
| 1700. | 3.644 | 34.909 | 6.17 | 3.510 | 27.76 | 32.374 | 36.881 | 1.069 | 1493.1 | 1678. | 48.11 | 0.529 |
| 1800. | 3.602 | 34.912 | 6.14 | 3.459 | 27.77 | 32.383 | 36.892 | 1.117 | 1494.6 | 1776. | 48.12 | 0.557 |
| 1900. | 3.591 | 34.919 | 6.10 | 3.439 | 27.78 | 32.391 | 36.899 | 1.165 | 1496.3 | 1875. | 48.31 | 0.496 |
| 2000. | 3.595 | 34.931 | 6.07 | 3.434 | 27.79 | 32.401 | 36.910 | 1.213 | 1498.0 | 1973. | 48.24 | 0.578 |
| 2100. | 3.572 | 34.940 | 6.04 | 3.401 | 27.80 | 32.412 | 36.922 | 1.261 | 1499.6 | 2071. | 48.05 | 0.612 |
| 2200. | 3.517 | 34.943 | 6.01 | 3.338 | 27.81 | 32.423 | 36.934 | 1.309 | 1501.0 | 2169. | 47.81 | 0.624 |
| 2300. | 3.447 | 34.948 | 6.03 | 3.259 | 27.82 | 32.436 | 36.949 | 1.357 | 1502.4 | 2267. | 47.24 | 0.706 |
| 2400. | 3.375 | 34.950 | 6.03 | 3.178 | 27.83 | 32.447 | 36.963 | 1.404 | 1503.8 | 2365. | 46.78 | 0.673 |
| 2500. | 3.299 | 34.955 | 6.02 | 3.093 | 27.84 | 32.462 | 36.979 | 1.450 | 1505.2 | 2463. | 46.02 | 0.743 |
| 2600. | 3.181 | 34.955 | 5.96 | 2.968 | 27.85 | 32.477 | 36.998 | 1.496 | 1506.4 | 2561. | 44.98 | 0.799 |
| 2700. | 3.030 | 34.952 | 5.88 | 2.809 | 27.86 | 32.493 | 37.018 | 1.540 | 1507.4 | 2659. | 43.67 | 0.850 |
| 2800. | 2.870 | 34.945 | 5.80 | 2.642 | 27.87 | 32.507 | 37.037 | 1.583 | 1508.4 | 2757. | 42.41 | 0.835 |
| 2900. | 2.677 | 34.933 | 5.67 | 2.444 | 27.88 | 32.520 | 37.055 | 1.625 | 1509.3 | 2855. | 41.04 | 0.848 |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1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
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STOP 331 112 /055545
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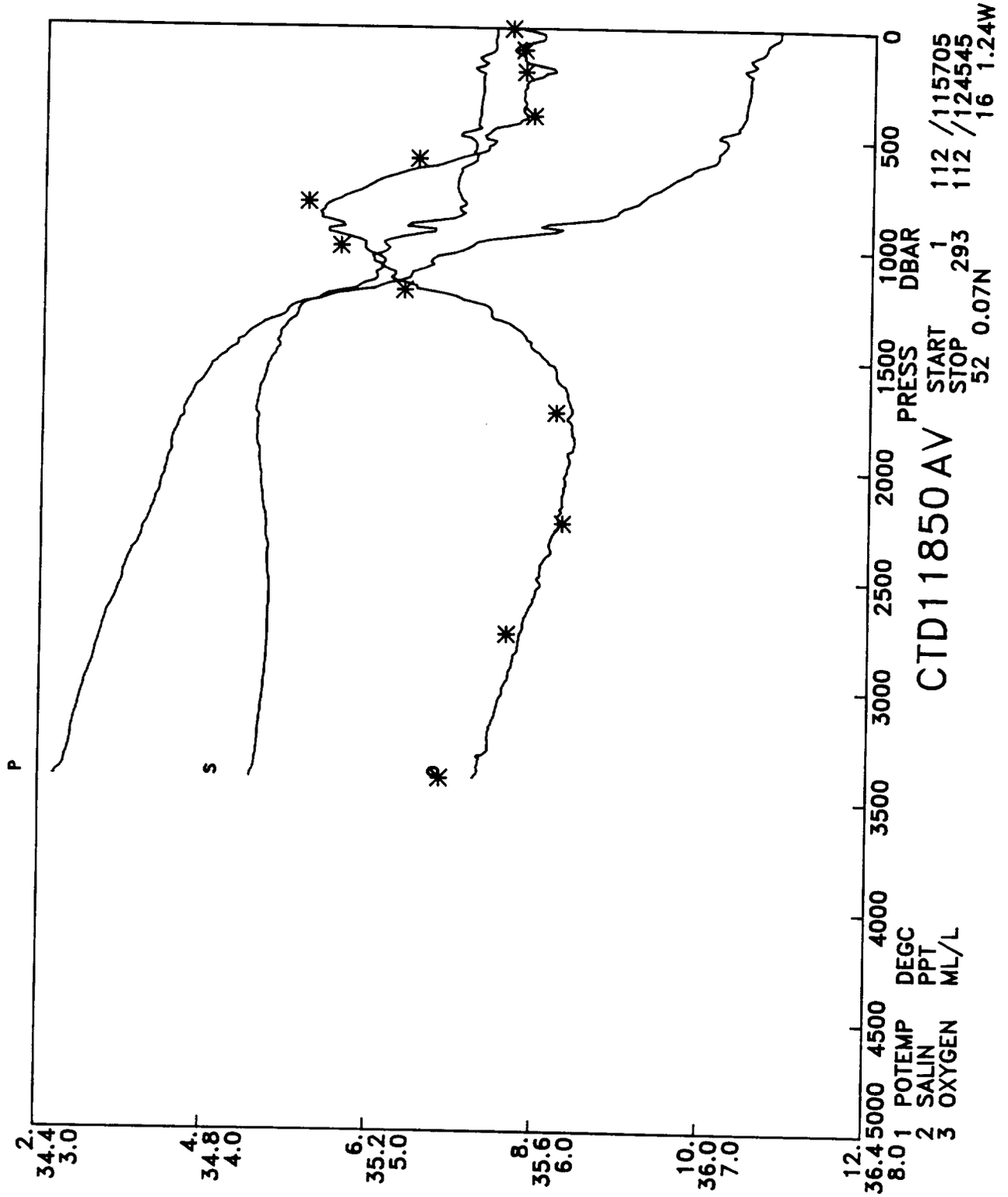
# DISCOVERY 181 STATION 11849

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMAQ $KG/M^3$ | SIG1000 $KG/M^3$ | SIG2000 $KG/M^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}M^3/KG$ | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 10.951 | 35.505 | 5.70 | 10.950 | 27.18 | 31.610 | 35.943 | 0.009 | 1494.0 | 10. | 88.12 | -9.999 |
| 20. | 10.951 | 35.505 | 5.77 | 10.949 | 27.18 | 31.610 | 35.943 | 0.018 | 1494.1 | 20. | 88.39 | -0.155 |
| 30. | 10.949 | 35.504 | 5.72 | 10.945 | 27.18 | 31.610 | 35.943 | 0.026 | 1494.3 | 30. | 88.59 | 0.417 |
| 40. | 10.880 | 35.502 | 5.80 | 10.875 | 27.19 | 31.623 | 35.957 | 0.035 | 1494.2 | 40. | 87.83 | 1.845 |
| 50. | 10.833 | 35.498 | 5.72 | 10.827 | 27.20 | 31.629 | 35.965 | 0.044 | 1494.2 | 50. | 87.53 | 1.367 |
| 60. | 10.831 | 35.498 | 5.66 | 10.823 | 27.20 | 31.630 | 35.965 | 0.053 | 1494.4 | 59. | 87.77 | 0.222 |
| 70. | 10.830 | 35.498 | 5.64 | 10.822 | 27.20 | 31.630 | 35.965 | 0.062 | 1494.5 | 69. | 88.00 | 0.296 |
| 80. | 10.828 | 35.497 | 5.67 | 10.818 | 27.20 | 31.630 | 35.966 | 0.070 | 1494.7 | 79. | 88.24 | 0.224 |
| 100. | 10.828 | 35.496 | 5.67 | 10.815 | 27.20 | 31.630 | 35.966 | 0.088 | 1495.0 | 99. | 88.74 | 0.165 |
| 120. | 10.830 | 35.497 | 5.68 | 10.815 | 27.20 | 31.631 | 35.966 | 0.106 | 1495.3 | 119. | 89.22 | 0.225 |
| 140. | 10.804 | 35.492 | 5.66 | 10.787 | 27.20 | 31.632 | 35.969 | 0.124 | 1495.6 | 139. | 89.61 | 0.435 |
| 160. | 10.779 | 35.486 | 5.56 | 10.760 | 27.20 | 31.634 | 35.971 | 0.142 | 1495.8 | 159. | 90.04 | 0.369 |
| 180. | 10.796 | 35.490 | 5.65 | 10.774 | 27.20 | 31.634 | 35.970 | 0.160 | 1496.2 | 178. | 90.51 | 0.254 |
| 200. | 10.798 | 35.492 | 5.67 | 10.773 | 27.20 | 31.635 | 35.972 | 0.178 | 1496.5 | 198. | 90.90 | 0.450 |
| 220. | 10.791 | 35.493 | 5.64 | 10.764 | 27.20 | 31.638 | 35.975 | 0.196 | 1496.9 | 218. | 91.13 | 0.683 |
| 240. | 10.727 | 35.480 | 5.70 | 10.698 | 27.21 | 31.642 | 35.980 | 0.214 | 1496.9 | 238. | 91.43 | 0.588 |
| 260. | 10.727 | 35.480 | 5.69 | 10.695 | 27.21 | 31.642 | 35.980 | 0.233 | 1497.3 | 258. | 91.91 | 0.213 |
| 280. | 10.728 | 35.480 | 5.68 | 10.694 | 27.21 | 31.642 | 35.980 | 0.251 | 1497.6 | 277. | 92.39 | 0.174 |
| 300. | 10.730 | 35.480 | 5.68 | 10.694 | 27.21 | 31.642 | 35.980 | 0.270 | 1497.9 | 297. | 92.90 | 0.010 |
| 320. | 10.725 | 35.478 | 5.68 | 10.686 | 27.21 | 31.643 | 35.981 | 0.288 | 1498.3 | 317. | 93.39 | 0.150 |
| 340. | 10.670 | 35.470 | 5.71 | 10.628 | 27.21 | 31.648 | 35.987 | 0.307 | 1498.4 | 337. | 93.50 | 0.813 |
| 360. | 10.587 | 35.455 | 5.75 | 10.543 | 27.21 | 31.653 | 35.994 | 0.326 | 1498.4 | 357. | 93.64 | 0.767 |
| 380. | 10.543 | 35.446 | 5.71 | 10.497 | 27.21 | 31.655 | 35.998 | 0.345 | 1498.6 | 376. | 93.95 | 0.569 |
| 400. | 10.431 | 35.424 | 5.69 | 10.383 | 27.22 | 31.661 | 36.006 | 0.363 | 1498.5 | 396. | 94.05 | 0.807 |
| 450. | 10.290 | 35.400 | 5.61 | 10.236 | 27.22 | 31.671 | 36.019 | 0.410 | 1498.8 | 446. | 94.49 | 0.721 |
| 500. | 9.999 | 35.353 | 5.38 | 9.940 | 27.24 | 31.692 | 36.047 | 0.458 | 1498.5 | 495. | 93.99 | 1.065 |
| 550. | 9.606 | 35.291 | 5.47 | 9.542 | 27.26 | 31.720 | 36.083 | 0.504 | 1497.8 | 544. | 92.93 | 1.218 |
| 600. | 9.374 | 35.269 | 5.33 | 9.306 | 27.28 | 31.748 | 36.116 | 0.551 | 1497.8 | 594. | 91.67 | 1.262 |
| 700. | 8.724 | 35.240 | 4.74 | 8.647 | 27.36 | 31.846 | 36.229 | 0.640 | 1497.0 | 693. | 85.04 | 1.716 |
| 800. | 7.931 | 35.224 | 4.67 | 7.847 | 27.47 | 31.974 | 36.375 | 0.719 | 1495.7 | 791. | 75.41 | 1.976 |
| 900. | 7.282 | 35.227 | 4.72 | 7.191 | 27.57 | 32.087 | 36.503 | 0.791 | 1494.9 | 890. | 66.80 | 1.875 |
| 1000. | 6.511 | 35.166 | 5.00 | 6.415 | 27.63 | 32.165 | 36.599 | 0.855 | 1493.4 | 989. | 61.27 | 1.559 |
| 1100. | 5.623 | 35.078 | 5.31 | 5.524 | 27.67 | 32.232 | 36.688 | 0.913 | 1491.5 | 1087. | 56.38 | 1.467 |
| 1200. | 4.714 | 34.971 | 5.73 | 4.614 | 27.70 | 32.278 | 36.757 | 0.968 | 1489.3 | 1186. | 53.05 | 1.248 |
| 1300. | 4.520 | 34.969 | 5.83 | 4.413 | 27.72 | 32.304 | 36.787 | 1.020 | 1490.2 | 1285. | 51.70 | 0.920 |
| 1400. | 4.196 | 34.943 | 6.01 | 4.083 | 27.73 | 32.327 | 36.820 | 1.071 | 1490.5 | 1383. | 50.28 | 0.922 |
| 1500. | 3.949 | 34.927 | 6.09 | 3.829 | 27.75 | 32.348 | 36.846 | 1.120 | 1491.1 | 1481. | 49.14 | 0.857 |
| 1600. | 3.766 | 34.909 | 6.20 | 3.639 | 27.75 | 32.358 | 36.861 | 1.170 | 1492.0 | 1580. | 48.93 | 0.636 |
| 1700. | 3.689 | 34.905 | 6.23 | 3.554 | 27.76 | 32.366 | 36.872 | 1.218 | 1493.3 | 1678. | 48.97 | 0.553 |
| 1800. | 3.689 | 34.917 | 6.17 | 3.545 | 27.77 | 32.376 | 36.882 | 1.267 | 1495.0 | 1776. | 48.96 | 0.567 |
| 1900. | 3.640 | 34.919 | 6.13 | 3.487 | 27.77 | 32.385 | 36.893 | 1.316 | 1496.5 | 1875. | 48.91 | 0.575 |
| 2000. | 3.566 | 34.922 | 6.16 | 3.405 | 27.78 | 32.398 | 36.907 | 1.365 | 1497.8 | 1973. | 48.49 | 0.675 |
| 2100. | 3.500 | 34.926 | 6.15 | 3.331 | 27.80 | 32.410 | 36.922 | 1.413 | 1499.2 | 2071. | 48.03 | 0.678 |
| 2200. | 3.474 | 34.933 | 6.12 | 3.295 | 27.80 | 32.420 | 36.932 | 1.461 | 1500.8 | 2169. | 47.93 | 0.582 |
| 2300. | 3.462 | 34.942 | 6.06 | 3.274 | 27.81 | 32.430 | 36.943 | 1.509 | 1502.5 | 2267. | 47.85 | 0.571 |
| 2400. | 3.369 | 34.951 | 6.02 | 3.173 | 27.83 | 32.449 | 36.964 | 1.556 | 1503.8 | 2365. | 46.65 | 0.842 |
| 2500. | 3.291 | 34.954 | 5.99 | 3.086 | 27.84 | 32.462 | 36.980 | 1.603 | 1505.1 | 2463. | 46.00 | 0.717 |
| 2600. | 3.188 | 34.956 | 5.98 | 2.975 | 27.85 | 32.477 | 36.998 | 1.648 | 1506.4 | 2561. | 45.01 | 0.789 |
| 2700. | 3.096 | 34.957 | 5.93 | 2.874 | 27.86 | 32.490 | 37.013 | 1.693 | 1507.7 | 2659. | 44.27 | 0.729 |
| 2800. | 3.004 | 34.955 | 5.90 | 2.773 | 27.87 | 32.500 | 37.026 | 1.737 | 1509.0 | 2757. | 43.69 | 0.685 |
| 2900. | 2.923 | 34.949 | 5.87 | 2.684 | 27.87 | 32.506 | 37.034 | 1.780 | 1510.4 | 2855. | 43.51 | 0.573 |
| 3000. | 2.858 | 34.947 | 5.84 | 2.610 | 27.88 | 32.513 | 37.043 | 1.824 | 1511.8 | 2953. | 43.28 | 0.580 |
| 3100. | 2.765 | 34.941 | 5.79 | 2.508 | 27.88 | 32.520 | 37.053 | 1.867 | 1513.1 | 3050. | 42.87 | 0.627 |
| 3200. | 2.697 | 34.936 | 5.74 | 2.432 | 27.88 | 32.524 | 37.059 | 1.909 | 1514.5 | 3148. | 42.81 | 0.521 |
| 3300. | 2.625 | 34.928 | 5.70 | 2.350 | 27.89 | 32.527 | 37.064 | 1.952 | 1515.9 | 3246. | 42.78 | 0.503 |
| 3400. | 2.544 | 34.920 | 5.63 | 2.261 | 27.89 | 32.530 | 37.070 | 1.995 | 1517.2 | 3343. | 42.64 | 0.536 |


P
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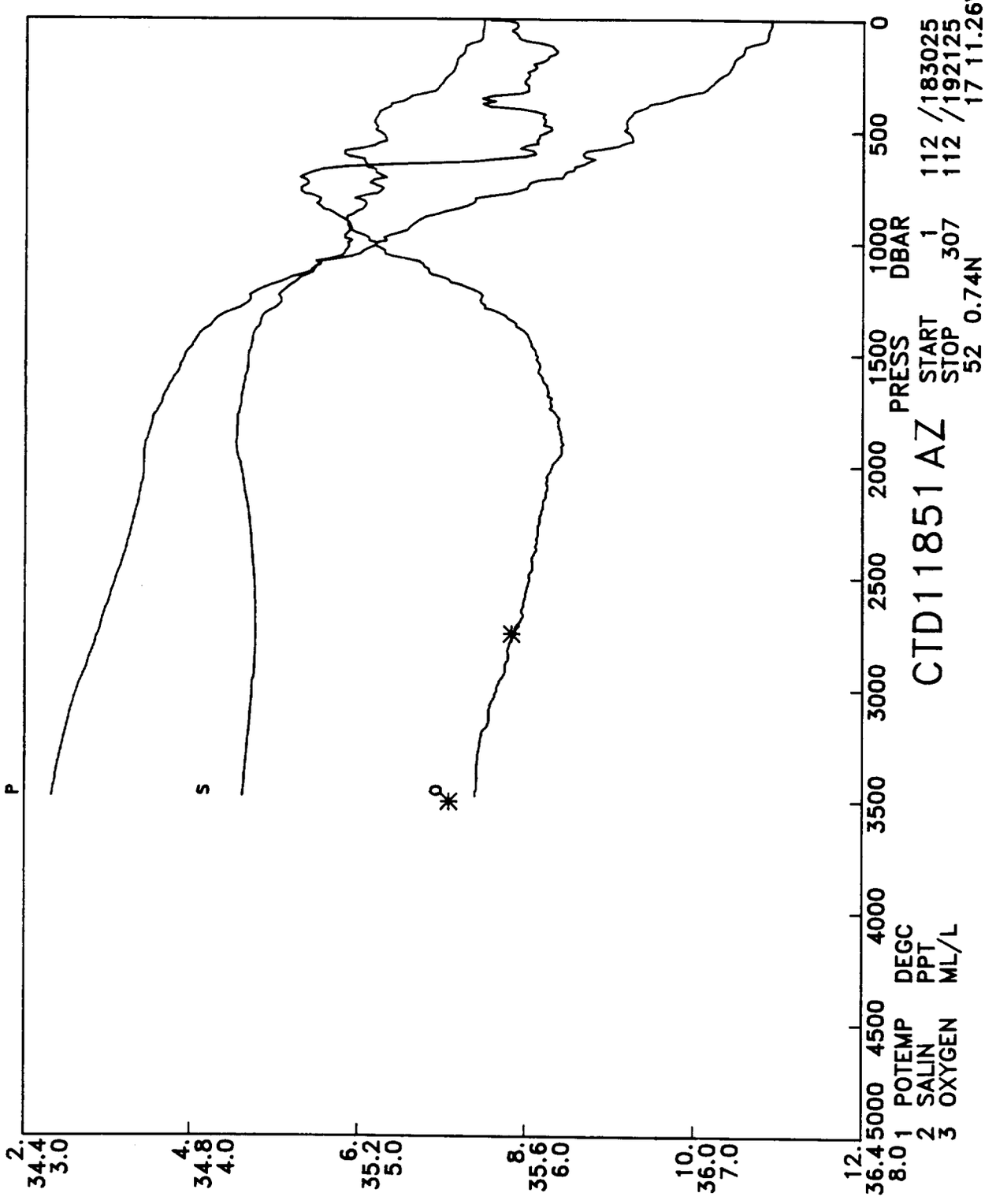
5000 4500 4000 3500 3000 2500 2000 1500 1000 500 0
PRESS DBAR
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
CTD11850AV
START 1 112 /115705
STOP 293 112 /124545
52 0.07N 16 1.24W

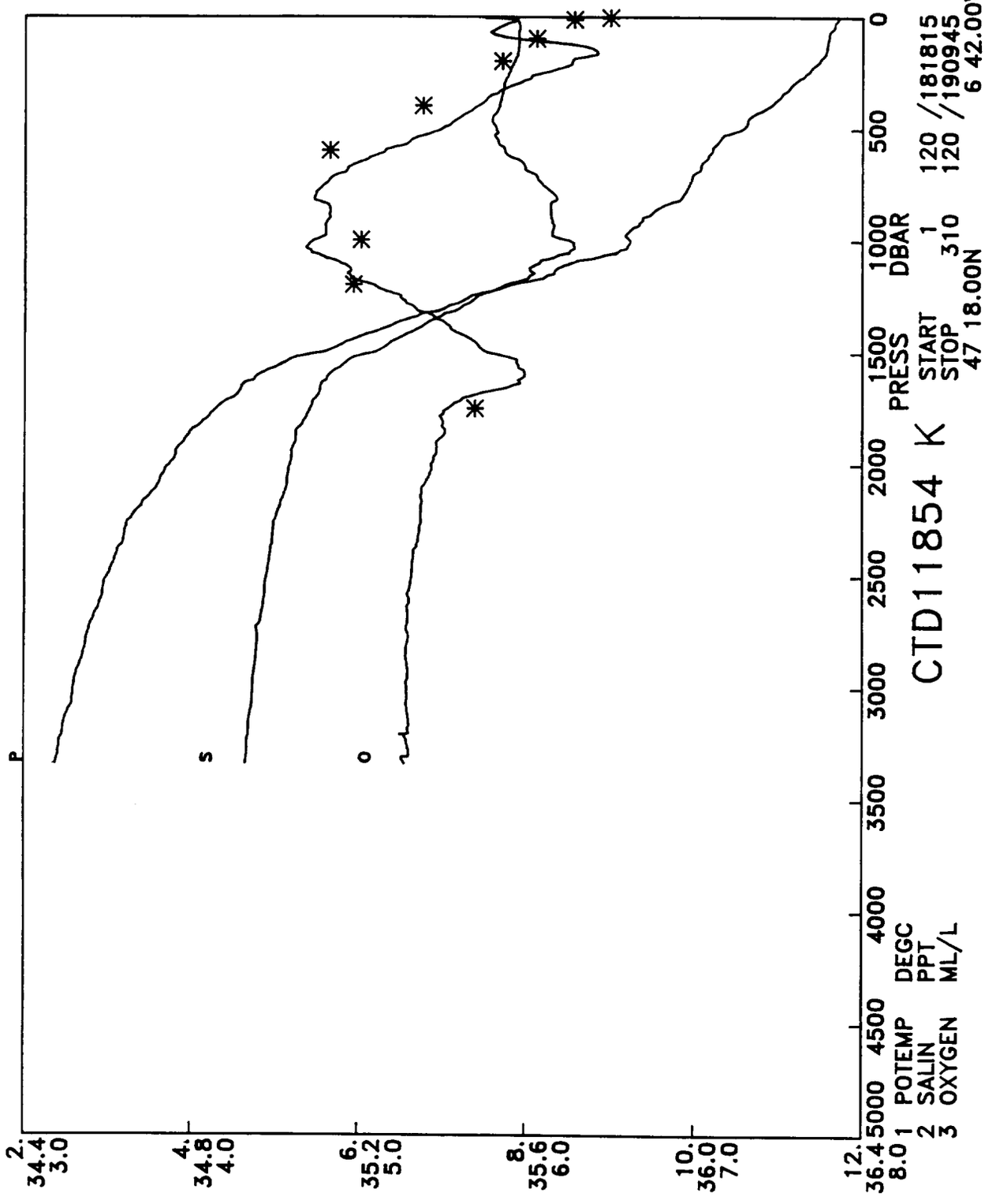
# DISCOVERY 181 STATION 11850

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 10.860 | 35.488 | 5.91 | 10.859 | 27.18 | 31.615 | 35.950 | 0.009 | 1493.6 | 10. | 87.80 | -9.999 |
| 20. | 10.859 | 35.488 | 5.98 | 10.856 | 27.18 | 31.615 | 35.950 | 0.018 | 1493.8 | 20. | 88.03 | 0.326 |
| 30. | 10.855 | 35.487 | 6.01 | 10.851 | 27.18 | 31.616 | 35.951 | 0.026 | 1493.9 | 30. | 88.22 | 0.461 |
| 40. | 10.834 | 35.486 | 6.00 | 10.829 | 27.19 | 31.620 | 35.955 | 0.035 | 1494.0 | 40. | 88.18 | 0.987 |
| 50. | 10.775 | 35.483 | 6.00 | 10.769 | 27.19 | 31.630 | 35.966 | 0.044 | 1494.0 | 50. | 87.61 | 1.665 |
| 60. | 10.734 | 35.484 | 5.96 | 10.727 | 27.20 | 31.638 | 35.976 | 0.053 | 1494.0 | 59. | 87.13 | 1.560 |
| 70. | 10.709 | 35.486 | 5.89 | 10.700 | 27.21 | 31.646 | 35.984 | 0.061 | 1494.1 | 69. | 86.74 | 1.468 |
| 80. | 10.704 | 35.486 | 5.87 | 10.695 | 27.21 | 31.646 | 35.984 | 0.070 | 1494.2 | 79. | 86.94 | 0.437 |
| 100. | 10.684 | 35.483 | 5.80 | 10.672 | 27.21 | 31.649 | 35.988 | 0.088 | 1494.5 | 99. | 87.23 | 0.590 |
| 120. | 10.605 | 35.466 | 5.89 | 10.591 | 27.21 | 31.652 | 35.992 | 0.105 | 1494.5 | 119. | 87.62 | 0.447 |
| 140. | 10.540 | 35.453 | 5.88 | 10.523 | 27.21 | 31.656 | 35.997 | 0.123 | 1494.6 | 139. | 87.91 | 0.596 |
| 160. | 10.591 | 35.466 | 5.95 | 10.571 | 27.22 | 31.656 | 35.997 | 0.140 | 1495.1 | 159. | 88.27 | 0.489 |
| 180. | 10.455 | 35.437 | 6.08 | 10.434 | 27.22 | 31.661 | 36.004 | 0.158 | 1494.9 | 178. | 88.57 | 0.577 |
| 200. | 10.552 | 35.460 | 6.03 | 10.528 | 27.22 | 31.660 | 36.002 | 0.176 | 1495.6 | 198. | 88.98 | 0.380 |
| 220. | 10.533 | 35.457 | 6.00 | 10.506 | 27.22 | 31.662 | 36.004 | 0.193 | 1495.9 | 218. | 89.35 | 0.458 |
| 240. | 10.528 | 35.456 | 5.89 | 10.499 | 27.22 | 31.662 | 36.005 | 0.211 | 1496.2 | 238. | 89.79 | 0.299 |
| 260. | 10.535 | 35.457 | 5.89 | 10.504 | 27.22 | 31.662 | 36.004 | 0.229 | 1496.6 | 258. | 90.29 | 0.090 |
| 280. | 10.536 | 35.458 | 5.87 | 10.502 | 27.22 | 31.663 | 36.005 | 0.247 | 1496.9 | 277. | 90.69 | 0.388 |
| 300. | 10.525 | 35.455 | 5.87 | 10.489 | 27.22 | 31.664 | 36.006 | 0.266 | 1497.2 | 297. | 91.15 | 0.278 |
| 320. | 10.517 | 35.454 | 5.89 | 10.478 | 27.22 | 31.665 | 36.008 | 0.284 | 1497.5 | 317. | 91.57 | 0.333 |
| 340. | 10.505 | 35.452 | 5.92 | 10.463 | 27.22 | 31.666 | 36.009 | 0.302 | 1497.8 | 337. | 91.94 | 0.462 |
| 360. | 10.499 | 35.451 | 5.90 | 10.455 | 27.23 | 31.667 | 36.011 | 0.321 | 1498.1 | 357. | 92.35 | 0.376 |
| 380. | 10.499 | 35.451 | 5.89 | 10.453 | 27.23 | 31.668 | 36.011 | 0.339 | 1498.4 | 376. | 92.78 | 0.333 |
| 400. | 10.492 | 35.450 | 5.92 | 10.443 | 27.23 | 31.669 | 36.012 | 0.358 | 1498.7 | 396. | 93.21 | 0.313 |
| 450. | 10.433 | 35.453 | 5.72 | 10.379 | 27.24 | 31.684 | 36.028 | 0.404 | 1499.3 | 446. | 93.12 | 0.939 |
| 500. | 10.287 | 35.430 | 5.67 | 10.227 | 27.25 | 31.696 | 36.044 | 0.451 | 1499.6 | 495. | 93.33 | 0.822 |
| 550. | 10.246 | 35.443 | 5.67 | 10.180 | 27.27 | 31.715 | 36.064 | 0.498 | 1500.3 | 544. | 92.81 | 1.076 |
| 600. | 10.177 | 35.443 | 5.47 | 10.105 | 27.28 | 31.730 | 36.081 | 0.544 | 1500.9 | 594. | 92.62 | 0.964 |
| 700. | 9.622 | 35.398 | 5.00 | 9.540 | 27.34 | 31.804 | 36.166 | 0.635 | 1500.5 | 693. | 88.44 | 1.477 |
| 800. | 9.185 | 35.417 | 4.70 | 9.094 | 27.43 | 31.902 | 36.274 | 0.720 | 1500.6 | 791. | 81.64 | 1.741 |
| 900. | 8.085 | 35.275 | 4.83 | 7.989 | 27.49 | 31.989 | 36.387 | 0.799 | 1498.0 | 890. | 75.82 | 1.627 |
| 1000. | 7.221 | 35.236 | 4.95 | 7.120 | 27.59 | 32.106 | 36.523 | 0.870 | 1496.3 | 989. | 66.82 | 1.911 |
| 1100. | 6.618 | 35.209 | 5.11 | 6.511 | 27.65 | 32.183 | 36.614 | 0.935 | 1495.6 | 1087. | 61.20 | 1.569 |
| 1200. | 5.763 | 35.102 | 5.39 | 5.653 | 27.68 | 32.232 | 36.684 | 0.994 | 1493.7 | 1186. | 57.90 | 1.275 |
| 1300. | 5.042 | 35.015 | 5.70 | 4.930 | 27.70 | 32.269 | 36.739 | 1.051 | 1492.4 | 1285. | 55.33 | 1.150 |
| 1400. | 4.578 | 34.975 | 5.94 | 4.461 | 27.72 | 32.302 | 36.785 | 1.104 | 1492.1 | 1383. | 53.02 | 1.090 |
| 1500. | 4.258 | 34.954 | 6.04 | 4.135 | 27.74 | 32.329 | 36.820 | 1.156 | 1492.4 | 1482. | 51.28 | 0.981 |
| 1600. | 4.063 | 34.935 | 6.07 | 3.933 | 27.74 | 32.341 | 36.837 | 1.208 | 1493.2 | 1580. | 50.94 | 0.686 |
| 1700. | 3.889 | 34.921 | 6.19 | 3.752 | 27.75 | 32.353 | 36.854 | 1.258 | 1494.2 | 1678. | 50.54 | 0.691 |
| 1800. | 3.793 | 34.921 | 6.19 | 3.648 | 27.76 | 32.367 | 36.870 | 1.309 | 1495.4 | 1777. | 50.03 | 0.708 |
| 1900. | 3.713 | 34.924 | 6.22 | 3.559 | 27.77 | 32.380 | 36.885 | 1.358 | 1496.8 | 1875. | 49.59 | 0.687 |
| 2000. | 3.657 | 34.930 | 6.18 | 3.494 | 27.78 | 32.393 | 36.900 | 1.408 | 1498.2 | 1973. | 49.13 | 0.690 |
| 2100. | 3.594 | 34.935 | 6.16 | 3.423 | 27.79 | 32.406 | 36.915 | 1.457 | 1499.7 | 2071. | 48.71 | 0.675 |
| 2200. | 3.495 | 34.944 | 6.12 | 3.316 | 27.81 | 32.426 | 36.938 | 1.505 | 1500.9 | 2169. | 47.45 | 0.858 |
| 2300. | 3.395 | 34.946 | 6.09 | 3.208 | 27.82 | 32.440 | 36.955 | 1.552 | 1502.2 | 2267. | 46.65 | 0.756 |
| 2400. | 3.252 | 34.947 | 6.03 | 3.057 | 27.84 | 32.460 | 36.979 | 1.598 | 1503.3 | 2365. | 45.21 | 0.885 |
| 2500. | 3.184 | 34.954 | 6.01 | 2.981 | 27.85 | 32.474 | 36.995 | 1.642 | 1504.7 | 2463. | 44.46 | 0.734 |
| 2600. | 3.078 | 34.955 | 5.97 | 2.866 | 27.86 | 32.488 | 37.012 | 1.686 | 1505.9 | 2561. | 43.53 | 0.771 |
| 2700. | 2.975 | 34.952 | 5.93 | 2.756 | 27.87 | 32.499 | 37.026 | 1.730 | 1507.2 | 2659. | 42.86 | 0.706 |
| 2800. | 2.910 | 34.950 | 5.89 | 2.681 | 27.87 | 32.507 | 37.035 | 1.772 | 1508.6 | 2757. | 42.65 | 0.579 |
| 2900. | 2.846 | 34.946 | 5.84 | 2.608 | 27.88 | 32.512 | 37.042 | 1.815 | 1510.0 | 2855. | 42.58 | 0.531 |
| 3000. | 2.766 | 34.942 | 5.79 | 2.519 | 27.88 | 32.519 | 37.052 | 1.857 | 1511.4 | 2953. | 42.25 | 0.607 |
| 3100. | 2.703 | 34.936 | 5.76 | 2.448 | 27.88 | 32.522 | 37.057 | 1.900 | 1512.8 | 3050. | 42.33 | 0.470 |
| 3200. | 2.648 | 34.930 | 5.72 | 2.384 | 27.88 | 32.525 | 37.061 | 1.942 | 1514.3 | 3148. | 42.44 | 0.454 |
| 3300. | 2.607 | 34.926 | 5.68 | 2.333 | 27.88 | 32.527 | 37.065 | 1.984 | 1515.8 | 3246. | 42.65 | 0.410 |
| 3400. | 2.470 | 34.912 | 5.63 | 2.189 | 27.89 | 32.532 | 37.074 | 2.027 | 1516.9 | 3343. | 42.03 | 0.669 |


CTD11851AZ
START 112 /183025
STOP 112 /192125
52 0.74N 17 11.26W
PRESS 307
DBAR
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
P
S
O

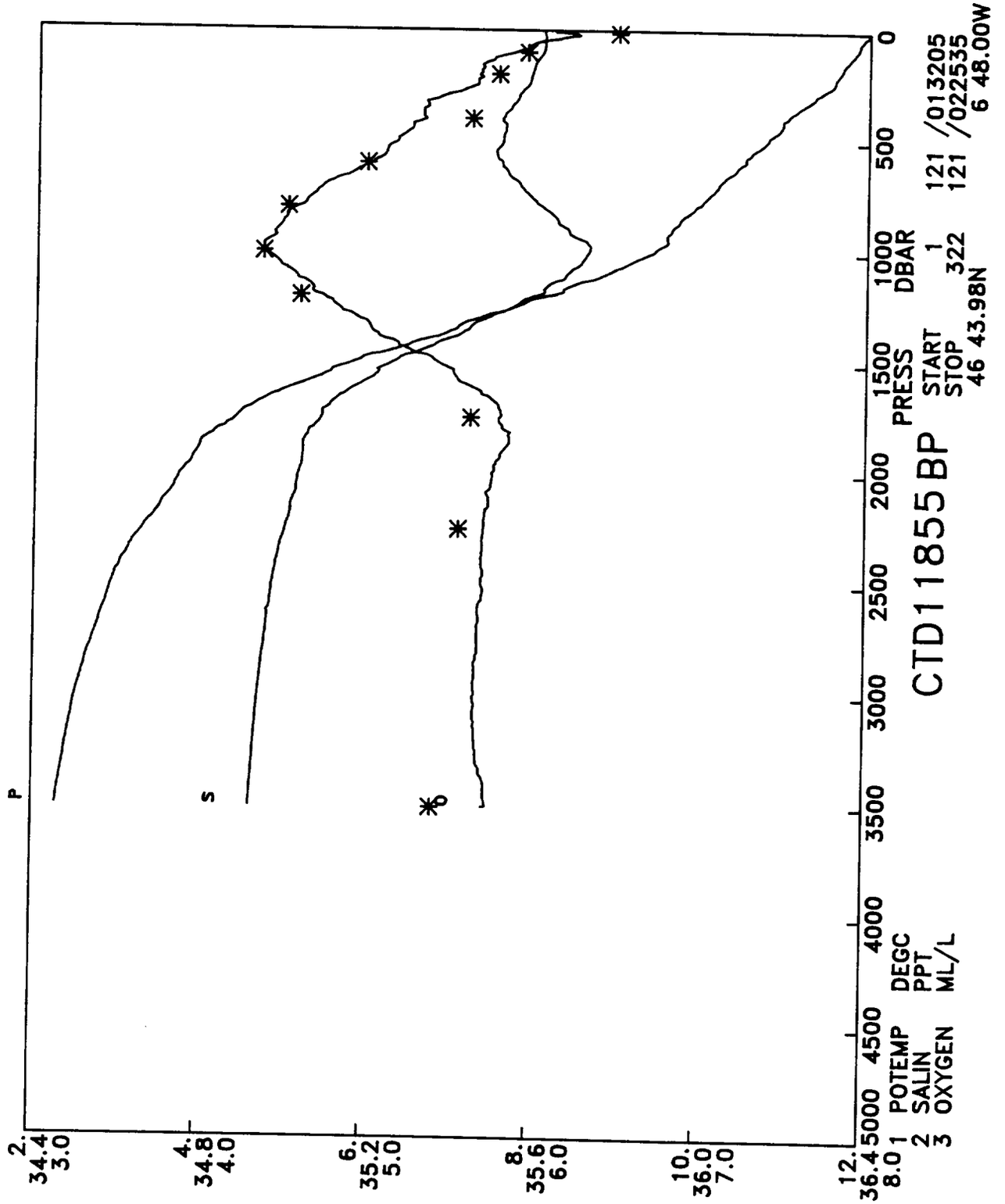
# DISCOVERY 181 STATION 11851

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 10.905 | 35.498 | 5.92 | 10.904 | 27.18 | 31.614 | 35.948 | 0.009 | 1493.8 | 10. | 87.82 | -9.999 |
| 20. | 10.906 | 35.498 | 5.95 | 10.903 | 27.18 | 31.614 | 35.947 | 0.018 | 1494.0 | 20. | 88.11 | -0.311 |
| 30. | 10.893 | 35.496 | 5.95 | 10.889 | 27.18 | 31.615 | 35.950 | 0.026 | 1494.1 | 30. | 88.22 | 0.703 |
| 40. | 10.882 | 35.495 | 5.94 | 10.877 | 27.18 | 31.617 | 35.951 | 0.035 | 1494.2 | 40. | 88.34 | 0.668 |
| 50. | 10.872 | 35.493 | 5.91 | 10.865 | 27.18 | 31.618 | 35.953 | 0.044 | 1494.3 | 50. | 88.54 | 0.426 |
| 60. | 10.867 | 35.493 | 5.92 | 10.860 | 27.19 | 31.619 | 35.954 | 0.053 | 1494.5 | 59. | 88.71 | 0.557 |
| 70. | 10.866 | 35.494 | 5.95 | 10.857 | 27.19 | 31.620 | 35.955 | 0.062 | 1494.6 | 69. | 88.85 | 0.629 |
| 80. | 10.860 | 35.493 | 5.91 | 10.851 | 27.19 | 31.620 | 35.955 | 0.071 | 1494.8 | 79. | 89.11 | -0.145 |
| 100. | 10.799 | 35.485 | 6.00 | 10.787 | 27.19 | 31.627 | 35.963 | 0.089 | 1494.9 | 99. | 89.12 | 0.912 |
| 120. | 10.601 | 35.452 | 6.15 | 10.587 | 27.20 | 31.642 | 35.982 | 0.106 | 1494.5 | 119. | 88.59 | 1.319 |
| 140. | 10.592 | 35.451 | 6.19 | 10.575 | 27.20 | 31.644 | 35.984 | 0.124 | 1494.8 | 139. | 88.94 | 0.493 |
| 160. | 10.562 | 35.447 | 6.15 | 10.543 | 27.21 | 31.646 | 35.988 | 0.142 | 1495.0 | 159. | 89.25 | 0.575 |
| 180. | 10.482 | 35.433 | 6.13 | 10.460 | 27.21 | 31.652 | 35.995 | 0.160 | 1495.0 | 178. | 89.33 | 0.831 |
| 200. | 10.471 | 35.431 | 6.02 | 10.447 | 27.21 | 31.653 | 35.997 | 0.178 | 1495.3 | 198. | 89.74 | 0.368 |
| 220. | 10.445 | 35.427 | 6.06 | 10.419 | 27.21 | 31.656 | 36.000 | 0.196 | 1495.6 | 218. | 90.02 | 0.601 |
| 240. | 10.411 | 35.421 | 6.00 | 10.382 | 27.21 | 31.658 | 36.003 | 0.214 | 1495.8 | 238. | 90.35 | 0.531 |
| 260. | 10.316 | 35.409 | 6.02 | 10.286 | 27.22 | 31.668 | 36.015 | 0.232 | 1495.7 | 258. | 90.06 | 1.141 |
| 280. | 10.261 | 35.400 | 5.99 | 10.228 | 27.23 | 31.672 | 36.021 | 0.250 | 1495.9 | 277. | 90.25 | 0.697 |
| 300. | 10.204 | 35.392 | 6.02 | 10.168 | 27.23 | 31.678 | 36.027 | 0.268 | 1496.0 | 297. | 90.31 | 0.843 |
| 320. | 10.135 | 35.382 | 6.01 | 10.097 | 27.23 | 31.684 | 36.035 | 0.286 | 1496.0 | 317. | 90.33 | 0.883 |
| 340. | 9.880 | 35.331 | 5.79 | 9.840 | 27.24 | 31.695 | 36.051 | 0.304 | 1495.4 | 337. | 90.15 | 1.042 |
| 360. | 9.746 | 35.315 | 5.77 | 9.705 | 27.25 | 31.708 | 36.067 | 0.322 | 1495.2 | 357. | 89.56 | 1.329 |
| 380. | 9.464 | 35.269 | 5.72 | 9.421 | 27.26 | 31.726 | 36.092 | 0.340 | 1494.5 | 376. | 88.67 | 1.503 |
| 400. | 9.418 | 35.263 | 5.97 | 9.372 | 27.26 | 31.730 | 36.097 | 0.357 | 1494.6 | 396. | 88.79 | 0.737 |
| 450. | 9.243 | 35.237 | 6.08 | 9.192 | 27.27 | 31.744 | 36.115 | 0.402 | 1494.8 | 446. | 88.87 | 0.830 |
| 500. | 9.230 | 35.241 | 6.13 | 9.174 | 27.28 | 31.750 | 36.122 | 0.446 | 1495.6 | 495. | 89.34 | 0.645 |
| 550. | 9.286 | 35.258 | 6.07 | 9.223 | 27.28 | 31.754 | 36.125 | 0.491 | 1496.6 | 544. | 90.01 | 0.534 |
| 600. | 8.751 | 35.167 | 6.06 | 8.685 | 27.30 | 31.782 | 36.165 | 0.536 | 1495.4 | 594. | 88.94 | 1.197 |
| 700. | 8.549 | 35.264 | 4.66 | 8.473 | 27.41 | 31.895 | 36.282 | 0.621 | 1496.4 | 693. | 80.49 | 1.878 |
| 800. | 7.455 | 35.186 | 4.77 | 7.374 | 27.51 | 32.025 | 36.436 | 0.697 | 1493.8 | 791. | 70.86 | 1.970 |
| 900. | 6.802 | 35.172 | 4.93 | 6.714 | 27.59 | 32.122 | 36.549 | 0.763 | 1492.9 | 890. | 63.64 | 1.735 |
| 1000. | 6.280 | 35.168 | 5.11 | 6.186 | 27.66 | 32.202 | 36.642 | 0.824 | 1492.5 | 989. | 57.77 | 1.586 |
| 1100. | 5.618 | 35.104 | 5.35 | 5.519 | 27.70 | 32.253 | 36.709 | 0.880 | 1491.5 | 1087. | 54.43 | 1.275 |
| 1200. | 4.975 | 35.031 | 5.65 | 4.873 | 27.71 | 32.289 | 36.761 | 0.934 | 1490.5 | 1186. | 52.15 | 1.102 |
| 1300. | 4.614 | 34.991 | 5.80 | 4.505 | 27.72 | 32.309 | 36.790 | 0.986 | 1490.6 | 1285. | 51.31 | 0.830 |
| 1400. | 4.224 | 34.950 | 6.00 | 4.111 | 27.74 | 32.330 | 36.821 | 1.036 | 1490.6 | 1383. | 50.11 | 0.884 |
| 1500. | 4.043 | 34.936 | 6.06 | 3.922 | 27.74 | 32.343 | 36.840 | 1.086 | 1491.5 | 1482. | 49.68 | 0.707 |
| 1600. | 3.921 | 34.929 | 6.08 | 3.793 | 27.75 | 32.354 | 36.854 | 1.136 | 1492.6 | 1580. | 49.52 | 0.629 |
| 1700. | 3.789 | 34.919 | 6.14 | 3.653 | 27.76 | 32.364 | 36.867 | 1.185 | 1493.7 | 1678. | 49.32 | 0.631 |
| 1800. | 3.674 | 34.911 | 6.19 | 3.530 | 27.76 | 32.373 | 36.880 | 1.234 | 1494.9 | 1777. | 49.21 | 0.598 |
| 1900. | 3.596 | 34.908 | 6.22 | 3.444 | 27.77 | 32.381 | 36.890 | 1.284 | 1496.3 | 1875. | 49.18 | 0.569 |
| 2000. | 3.591 | 34.920 | 6.15 | 3.430 | 27.78 | 32.393 | 36.902 | 1.333 | 1497.9 | 1973. | 49.02 | 0.602 |
| 2100. | 3.560 | 34.928 | 6.13 | 3.390 | 27.79 | 32.404 | 36.914 | 1.382 | 1499.5 | 2071. | 48.75 | 0.634 |
| 2200. | 3.513 | 34.938 | 6.09 | 3.333 | 27.80 | 32.419 | 36.931 | 1.430 | 1501.0 | 2169. | 48.11 | 0.725 |
| 2300. | 3.454 | 34.944 | 6.07 | 3.266 | 27.82 | 32.433 | 36.946 | 1.478 | 1502.4 | 2267. | 47.57 | 0.696 |
| 2400. | 3.388 | 34.948 | 6.04 | 3.191 | 27.83 | 32.445 | 36.960 | 1.525 | 1503.9 | 2365. | 47.08 | 0.682 |
| 2500. | 3.301 | 34.953 | 6.01 | 3.095 | 27.84 | 32.460 | 36.978 | 1.572 | 1505.2 | 2463. | 46.18 | 0.775 |
| 2600. | 3.229 | 34.955 | 5.99 | 3.014 | 27.85 | 32.471 | 36.991 | 1.618 | 1506.6 | 2561. | 45.70 | 0.671 |
| 2700. | 3.144 | 34.955 | 5.96 | 2.921 | 27.86 | 32.483 | 37.005 | 1.663 | 1507.9 | 2659. | 45.10 | 0.697 |
| 2800. | 3.067 | 34.955 | 5.90 | 2.836 | 27.86 | 32.493 | 37.017 | 1.708 | 1509.3 | 2757. | 44.62 | 0.663 |
| 2900. | 2.980 | 34.953 | 5.88 | 2.740 | 27.87 | 32.502 | 37.029 | 1.752 | 1510.6 | 2855. | 44.13 | 0.662 |
| 3000. | 2.873 | 34.947 | 5.82 | 2.625 | 27.88 | 32.511 | 37.040 | 1.796 | 1511.8 | 2953. | 43.55 | 0.679 |
| 3100. | 2.797 | 34.942 | 5.77 | 2.540 | 27.88 | 32.517 | 37.049 | 1.840 | 1513.2 | 3050. | 43.29 | 0.587 |
| 3200. | 2.743 | 34.938 | 5.74 | 2.477 | 27.88 | 32.521 | 37.054 | 1.883 | 1514.7 | 3148. | 43.35 | 0.481 |
| 3300. | 2.688 | 34.932 | 5.71 | 2.412 | 27.88 | 32.523 | 37.059 | 1.926 | 1516.2 | 3246. | 43.45 | 0.461 |
| 3400. | 2.650 | 34.928 | 5.71 | 2.364 | 27.88 | 32.526 | 37.063 | 1.970 | 1517.7 | 3343. | 43.67 | 0.408 |


CTD11854 K
START 120 /181815
STOP 120 /190945
47 18.00N 6 42.00W
PRESS 1 310
DBAR
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
P
S
O
2. 4. 6. 8. 10. 12.
34.4 34.8 35.2 35.6 36.0 36.4
3.0 4.0 5.0 6.0 7.0 8.0

# DISCOVERY 181 STATION 11854

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMAQ $KG/M^3$ | SIG1000 $KG/M^3$ | SIG2000 $KG/M^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}M^3/KG$ | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 11.713 | 35.581 | 5.93 | 11.712 | 27.10 | 31.511 | 35.829 | 0.010 | 1496.7 | 10. | 95.93 | -9.999 |
| 20. | 11.681 | 35.583 | 5.93 | 11.679 | 27.10 | 31.520 | 35.838 | 0.019 | 1496.8 | 20. | 95.44 | 1.593 |
| 30. | 11.672 | 35.584 | 5.89 | 11.668 | 27.11 | 31.523 | 35.841 | 0.029 | 1496.9 | 30. | 95.45 | 0.935 |
| 40. | 11.667 | 35.586 | 5.86 | 11.662 | 27.11 | 31.526 | 35.844 | 0.038 | 1497.0 | 40. | 95.50 | 0.851 |
| 50. | 11.663 | 35.586 | 5.83 | 11.656 | 27.11 | 31.527 | 35.845 | 0.048 | 1497.2 | 50. | 95.68 | 0.582 |
| 60. | 11.626 | 35.584 | 5.80 | 11.619 | 27.12 | 31.533 | 35.852 | 0.057 | 1497.2 | 59. | 95.40 | 1.352 |
| 70. | 11.606 | 35.582 | 5.79 | 11.597 | 27.12 | 31.536 | 35.856 | 0.067 | 1497.3 | 69. | 95.42 | 0.918 |
| 80. | 11.607 | 35.583 | 5.83 | 11.597 | 27.12 | 31.537 | 35.856 | 0.076 | 1497.5 | 79. | 95.65 | 0.347 |
| 100. | 11.597 | 35.582 | 5.98 | 11.584 | 27.12 | 31.539 | 35.859 | 0.096 | 1497.8 | 99. | 95.99 | 0.594 |
| 120. | 11.592 | 35.583 | 6.27 | 11.577 | 27.12 | 31.541 | 35.861 | 0.115 | 1498.1 | 119. | 96.36 | 0.524 |
| 140. | 11.586 | 35.582 | 6.39 | 11.568 | 27.12 | 31.542 | 35.862 | 0.134 | 1498.4 | 139. | 96.84 | 0.331 |
| 160. | 11.575 | 35.580 | 6.43 | 11.555 | 27.13 | 31.544 | 35.864 | 0.154 | 1498.7 | 159. | 97.24 | 0.482 |
| 180. | 11.531 | 35.576 | 6.31 | 11.508 | 27.13 | 31.550 | 35.871 | 0.173 | 1498.9 | 178. | 97.23 | 0.955 |
| 200. | 11.507 | 35.573 | 6.25 | 11.481 | 27.13 | 31.553 | 35.875 | 0.192 | 1499.1 | 198. | 97.53 | 0.631 |
| 220. | 11.425 | 35.565 | 6.25 | 11.397 | 27.14 | 31.565 | 35.888 | 0.212 | 1499.2 | 218. | 97.09 | 1.275 |
| 240. | 11.396 | 35.563 | 6.16 | 11.365 | 27.15 | 31.569 | 35.893 | 0.231 | 1499.4 | 238. | 97.24 | 0.797 |
| 260. | 11.343 | 35.558 | 6.05 | 11.310 | 27.15 | 31.577 | 35.902 | 0.251 | 1499.5 | 258. | 97.12 | 1.043 |
| 280. | 11.250 | 35.550 | 6.00 | 11.214 | 27.17 | 31.591 | 35.918 | 0.270 | 1499.5 | 277. | 96.48 | 1.398 |
| 300. | 11.186 | 35.547 | 5.94 | 11.148 | 27.18 | 31.602 | 35.931 | 0.289 | 1499.6 | 297. | 96.05 | 1.260 |
| 320. | 11.157 | 35.547 | 5.88 | 11.117 | 27.18 | 31.608 | 35.937 | 0.309 | 1499.9 | 317. | 96.03 | 0.952 |
| 340. | 11.084 | 35.544 | 5.83 | 11.041 | 27.19 | 31.621 | 35.952 | 0.328 | 1499.9 | 337. | 95.44 | 1.364 |
| 360. | 11.051 | 35.541 | 5.76 | 11.006 | 27.20 | 31.626 | 35.958 | 0.347 | 1500.1 | 357. | 95.48 | 0.888 |
| 380. | 10.991 | 35.538 | 5.75 | 10.944 | 27.21 | 31.637 | 35.969 | 0.366 | 1500.3 | 376. | 95.11 | 1.221 |
| 400. | 10.918 | 35.536 | 5.71 | 10.868 | 27.22 | 31.651 | 35.985 | 0.385 | 1500.3 | 396. | 94.38 | 1.440 |
| 450. | 10.694 | 35.520 | 5.60 | 10.639 | 27.25 | 31.684 | 36.023 | 0.432 | 1500.3 | 446. | 92.78 | 1.385 |
| 500. | 10.618 | 35.530 | 5.50 | 10.556 | 27.27 | 31.709 | 36.049 | 0.478 | 1500.9 | 495. | 91.79 | 1.224 |
| 550. | 10.359 | 35.535 | 5.31 | 10.292 | 27.32 | 31.765 | 36.110 | 0.523 | 1500.8 | 545. | 87.99 | 1.837 |
| 600. | 10.283 | 35.551 | 5.15 | 10.210 | 27.35 | 31.793 | 36.140 | 0.566 | 1501.4 | 594. | 86.62 | 1.317 |
| 700. | 10.074 | 35.620 | 4.87 | 9.990 | 27.44 | 31.889 | 36.241 | 0.650 | 1502.4 | 693. | 80.06 | 1.734 |
| 800. | 9.947 | 35.675 | 4.74 | 9.851 | 27.51 | 31.958 | 36.313 | 0.728 | 1503.7 | 792. | 75.98 | 1.472 |
| 900. | 9.489 | 35.662 | 4.83 | 9.383 | 27.57 | 32.037 | 36.401 | 0.802 | 1503.6 | 891. | 71.02 | 1.563 |
| 1000. | 9.339 | 35.702 | 4.73 | 9.222 | 27.63 | 32.099 | 36.466 | 0.872 | 1504.8 | 989. | 67.49 | 1.394 |
| 1100. | 8.686 | 35.638 | 4.89 | 8.562 | 27.69 | 32.170 | 36.552 | 0.937 | 1504.0 | 1088. | 62.90 | 1.508 |
| 1200. | 7.939 | 35.550 | 5.10 | 7.809 | 27.73 | 32.234 | 36.633 | 0.998 | 1502.7 | 1187. | 58.65 | 1.452 |
| 1300. | 7.177 | 35.444 | 5.35 | 7.043 | 27.76 | 32.281 | 36.698 | 1.055 | 1501.4 | 1285. | 55.68 | 1.275 |
| 1400. | 6.389 | 35.336 | 5.59 | 6.252 | 27.79 | 32.323 | 36.760 | 1.109 | 1499.8 | 1384. | 52.77 | 1.244 |
| 1500. | 5.697 | 35.237 | 5.78 | 5.557 | 27.80 | 32.352 | 36.805 | 1.161 | 1498.6 | 1482. | 50.89 | 1.070 |
| 1600. | 4.941 | 35.129 | 6.00 | 4.800 | 27.80 | 32.376 | 36.849 | 1.211 | 1497.1 | 1581. | 48.97 | 1.048 |
| 1700. | 4.650 | 35.099 | 5.62 | 4.502 | 27.81 | 32.394 | 36.874 | 1.259 | 1497.5 | 1679. | 48.06 | 0.848 |
| 1800. | 4.308 | 35.069 | 5.50 | 4.155 | 27.82 | 32.417 | 36.906 | 1.306 | 1497.8 | 1777. | 46.39 | 0.974 |
| 1900. | 4.067 | 35.049 | 5.48 | 3.908 | 27.83 | 32.434 | 36.930 | 1.352 | 1498.4 | 1876. | 45.39 | 0.839 |
| 2000. | 3.906 | 35.036 | 5.43 | 3.739 | 27.84 | 32.445 | 36.946 | 1.397 | 1499.4 | 1974. | 44.94 | 0.706 |
| 2100. | 3.761 | 35.027 | 5.38 | 3.587 | 27.85 | 32.458 | 36.962 | 1.442 | 1500.5 | 2072. | 44.36 | 0.727 |
| 2200. | 3.525 | 35.007 | 5.38 | 3.345 | 27.86 | 32.472 | 36.983 | 1.486 | 1501.1 | 2170. | 43.28 | 0.829 |
| 2300. | 3.387 | 34.995 | 5.36 | 3.199 | 27.86 | 32.481 | 36.995 | 1.529 | 1502.2 | 2268. | 42.96 | 0.641 |
| 2400. | 3.300 | 34.989 | 5.32 | 3.104 | 27.87 | 32.487 | 37.004 | 1.572 | 1503.5 | 2366. | 42.88 | 0.566 |
| 2500. | 3.189 | 34.979 | 5.32 | 2.985 | 27.87 | 32.494 | 37.014 | 1.615 | 1504.7 | 2465. | 42.66 | 0.602 |
| 2600. | 3.134 | 34.974 | 5.30 | 2.922 | 27.87 | 32.498 | 37.020 | 1.657 | 1506.2 | 2562. | 42.92 | 0.440 |
| 2700. | 3.024 | 34.965 | 5.30 | 2.803 | 27.88 | 32.504 | 37.029 | 1.700 | 1507.4 | 2660. | 42.61 | 0.616 |
| 2800. | 2.962 | 34.959 | 5.29 | 2.732 | 27.88 | 32.508 | 37.035 | 1.743 | 1508.8 | 2758. | 42.79 | 0.455 |
| 2900. | 2.899 | 34.953 | 5.29 | 2.661 | 27.88 | 32.511 | 37.040 | 1.786 | 1510.3 | 2856. | 42.89 | 0.478 |
| 3000. | 2.835 | 34.948 | 5.29 | 2.588 | 27.88 | 32.516 | 37.047 | 1.829 | 1511.7 | 2954. | 42.90 | 0.506 |
| 3100. | 2.779 | 34.943 | 5.30 | 2.523 | 27.88 | 32.519 | 37.052 | 1.872 | 1513.1 | 3052. | 43.01 | 0.466 |
| 3200. | 2.723 | 34.937 | 5.30 | 2.457 | 27.88 | 32.522 | 37.057 | 1.915 | 1514.6 | 3149. | 43.10 | 0.469 |
| 3300. | 2.680 | 34.933 | 5.31 | 2.405 | 27.88 | 32.525 | 37.061 | 1.958 | 1516.1 | 3247. | 43.26 | 0.436 |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46 43.98N 6 48.00W
PRESS DBAR
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000
1 POTEMP DEGC
2 SALIN PPT
3 OXYGEN ML/L
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34.4 34.8 35.2 35.6 36.0 36.4
3.0 4.0 5.0 6.0 7.0 8.0

# DISCOVERY 181 STATION 11855

| PRES DB | TEMP DEGC | SALIN PSU | OXYGEN ML/L | POTEMP DEGC | SIGMA0 KG/M$^3$ | SIG1000 KG/M$^3$ | SIG2000 KG/M$^3$ | DYNHT DYN.M | SNDV M/S | DEPTH M | SVANOM $10^{-8}$M$^3$/KG | BVFR CY/H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | 11.980 | 35.619 | 6.20 | 11.978 | 27.07 | 31.484 | 35.796 | 0.010 | 1497.7 | 10. | 97.99 | -999.000 |
| 20. | 11.951 | 35.620 | 6.26 | 11.949 | 27.08 | 31.491 | 35.804 | 0.020 | 1497.7 | 20. | 97.62 | 1.470 |
| 30. | 11.923 | 35.620 | 6.16 | 11.919 | 27.09 | 31.498 | 35.811 | 0.029 | 1497.8 | 30. | 97.33 | 1.373 |
| 40. | 11.900 | 35.620 | 6.10 | 11.895 | 27.09 | 31.503 | 35.816 | 0.039 | 1497.9 | 40. | 97.23 | 1.126 |
| 50. | 11.882 | 35.619 | 6.02 | 11.876 | 27.09 | 31.506 | 35.820 | 0.049 | 1498.0 | 50. | 97.21 | 1.006 |
| 60. | 11.877 | 35.619 | 5.98 | 11.869 | 27.10 | 31.508 | 35.822 | 0.058 | 1498.1 | 59. | 97.34 | 0.696 |
| 70. | 11.869 | 35.619 | 5.94 | 11.860 | 27.10 | 31.509 | 35.823 | 0.068 | 1498.3 | 69. | 97.47 | 0.697 |
| 80. | 11.861 | 35.619 | 5.95 | 11.851 | 27.10 | 31.511 | 35.825 | 0.078 | 1498.4 | 79. | 97.60 | 0.704 |
| 100. | 11.823 | 35.615 | 5.88 | 11.810 | 27.10 | 31.517 | 35.832 | 0.098 | 1498.6 | 99. | 97.70 | 0.871 |
| 120. | 11.776 | 35.607 | 5.76 | 11.761 | 27.11 | 31.521 | 35.837 | 0.117 | 1498.8 | 119. | 97.89 | 0.774 |
| 140. | 11.731 | 35.599 | 5.68 | 11.713 | 27.11 | 31.525 | 35.842 | 0.137 | 1498.9 | 139. | 98.15 | 0.689 |
| 160. | 11.697 | 35.595 | 5.67 | 11.676 | 27.11 | 31.529 | 35.847 | 0.156 | 1499.1 | 159. | 98.38 | 0.733 |
| 180. | 11.671 | 35.592 | 5.65 | 11.648 | 27.12 | 31.533 | 35.851 | 0.176 | 1499.4 | 178. | 98.61 | 0.716 |
| 200. | 11.629 | 35.588 | 5.65 | 11.604 | 27.12 | 31.539 | 35.859 | 0.196 | 1499.6 | 198. | 98.64 | 0.924 |
| 220. | 11.604 | 35.585 | 5.63 | 11.576 | 27.12 | 31.543 | 35.863 | 0.215 | 1499.8 | 218. | 98.89 | 0.696 |
| 240. | 11.583 | 35.582 | 5.65 | 11.552 | 27.13 | 31.546 | 35.866 | 0.235 | 1500.0 | 238. | 99.19 | 0.641 |
| 260. | 11.501 | 35.573 | 5.61 | 11.467 | 27.14 | 31.556 | 35.878 | 0.255 | 1500.1 | 258. | 98.89 | 1.181 |
| 280. | 11.419 | 35.563 | 5.53 | 11.383 | 27.14 | 31.566 | 35.889 | 0.275 | 1500.1 | 277. | 98.63 | 1.149 |
| 300. | 11.372 | 35.558 | 5.43 | 11.333 | 27.15 | 31.573 | 35.897 | 0.295 | 1500.3 | 297. | 98.58 | 0.987 |
| 320. | 11.298 | 35.553 | 5.34 | 11.257 | 27.16 | 31.584 | 35.910 | 0.314 | 1500.3 | 317. | 98.12 | 1.285 |
| 340. | 11.213 | 35.542 | 5.34 | 11.170 | 27.17 | 31.593 | 35.922 | 0.334 | 1500.4 | 337. | 97.88 | 1.133 |
| 360. | 11.143 | 35.535 | 5.33 | 11.098 | 27.17 | 31.603 | 35.933 | 0.353 | 1500.4 | 357. | 97.60 | 1.156 |
| 380. | 11.080 | 35.526 | 5.32 | 11.032 | 27.18 | 31.609 | 35.940 | 0.373 | 1500.5 | 377. | 97.62 | 0.911 |
| 400. | 11.000 | 35.518 | 5.34 | 10.950 | 27.19 | 31.620 | 35.953 | 0.392 | 1500.6 | 396. | 97.21 | 1.242 |
| 450. | 10.953 | 35.526 | 5.24 | 10.897 | 27.20 | 31.637 | 35.971 | 0.441 | 1501.3 | 446. | 96.92 | 1.025 |
| 500. | 10.819 | 35.520 | 5.16 | 10.757 | 27.23 | 31.661 | 35.997 | 0.489 | 1501.6 | 495. | 96.10 | 1.183 |
| 550. | 10.649 | 35.505 | 5.10 | 10.581 | 27.24 | 31.684 | 36.024 | 0.537 | 1501.8 | 545. | 95.38 | 1.151 |
| 600. | 10.538 | 35.521 | 5.02 | 10.464 | 27.28 | 31.720 | 36.062 | 0.584 | 1502.3 | 594. | 93.32 | 1.486 |
| 700. | 10.279 | 35.564 | 4.73 | 10.193 | 27.36 | 31.807 | 36.154 | 0.675 | 1503.1 | 693. | 87.73 | 1.640 |
| 800. | 10.011 | 35.620 | 4.58 | 9.914 | 27.45 | 31.904 | 36.257 | 0.760 | 1503.8 | 792. | 81.08 | 1.742 |
| 900. | 9.758 | 35.680 | 4.44 | 9.650 | 27.54 | 32.001 | 36.360 | 0.837 | 1504.6 | 891. | 74.34 | 1.747 |
| 1000. | 9.527 | 35.728 | 4.38 | 9.409 | 27.62 | 32.084 | 36.447 | 0.908 | 1505.5 | 989. | 68.88 | 1.615 |
| 1100. | 8.968 | 35.677 | 4.56 | 8.841 | 27.67 | 32.150 | 36.525 | 0.975 | 1505.1 | 1088. | 64.88 | 1.446 |
| 1200. | 8.218 | 35.593 | 4.74 | 8.085 | 27.73 | 32.220 | 36.613 | 1.037 | 1503.8 | 1187. | 60.10 | 1.519 |
| 1300. | 7.473 | 35.485 | 4.95 | 7.336 | 27.75 | 32.264 | 36.675 | 1.096 | 1502.5 | 1285. | 57.45 | 1.240 |
| 1400. | 6.778 | 35.382 | 5.17 | 6.637 | 27.77 | 32.298 | 36.725 | 1.152 | 1501.4 | 1384. | 55.48 | 1.120 |
| 1500. | 5.972 | 35.261 | 5.41 | 5.829 | 27.78 | 32.330 | 36.777 | 1.207 | 1499.7 | 1482. | 53.27 | 1.132 |
| 1600. | 5.355 | 35.184 | 5.60 | 5.209 | 27.80 | 32.361 | 36.824 | 1.259 | 1498.8 | 1581. | 50.92 | 1.128 |
| 1700. | 4.778 | 35.109 | 5.80 | 4.629 | 27.80 | 32.384 | 36.861 | 1.309 | 1498.1 | 1679. | 49.15 | 1.014 |
| 1800. | 4.395 | 35.066 | 5.83 | 4.241 | 27.81 | 32.403 | 36.890 | 1.357 | 1498.1 | 1777. | 47.85 | 0.913 |
| 1900. | 4.122 | 35.047 | 5.81 | 3.962 | 27.83 | 32.425 | 36.920 | 1.404 | 1498.6 | 1876. | 46.29 | 0.946 |
| 2000. | 3.942 | 35.037 | 5.75 | 3.775 | 27.84 | 32.441 | 36.941 | 1.450 | 1499.6 | 1974. | 45.40 | 0.807 |
| 2100. | 3.790 | 35.027 | 5.72 | 3.616 | 27.85 | 32.454 | 36.958 | 1.495 | 1500.6 | 2072. | 44.77 | 0.740 |
| 2200. | 3.612 | 35.014 | 5.72 | 3.430 | 27.86 | 32.467 | 36.975 | 1.539 | 1501.5 | 2170. | 44.04 | 0.757 |
| 2300. | 3.397 | 34.997 | 5.70 | 3.209 | 27.86 | 32.481 | 36.995 | 1.583 | 1502.3 | 2269. | 42.94 | 0.825 |
| 2400. | 3.238 | 34.983 | 5.69 | 3.044 | 27.87 | 32.490 | 37.009 | 1.625 | 1503.3 | 2367. | 42.40 | 0.692 |
| 2500. | 3.134 | 34.974 | 5.69 | 2.931 | 27.87 | 32.496 | 37.018 | 1.668 | 1504.5 | 2465. | 42.28 | 0.568 |
| 2600. | 3.062 | 34.968 | 5.68 | 2.850 | 27.87 | 32.501 | 37.025 | 1.710 | 1505.9 | 2563. | 42.30 | 0.516 |
| 2700. | 2.983 | 34.961 | 5.68 | 2.763 | 27.88 | 32.506 | 37.032 | 1.752 | 1507.2 | 2661. | 42.33 | 0.509 |
| 2800. | 2.897 | 34.955 | 5.67 | 2.669 | 27.88 | 32.512 | 37.041 | 1.795 | 1508.6 | 2758. | 42.11 | 0.583 |
| 2900. | 2.824 | 34.948 | 5.67 | 2.587 | 27.88 | 32.516 | 37.047 | 1.837 | 1509.9 | 2856. | 42.10 | 0.511 |
| 3000. | 2.763 | 34.942 | 5.67 | 2.517 | 27.88 | 32.519 | 37.052 | 1.879 | 1511.4 | 2954. | 42.20 | 0.468 |
| 3100. | 2.722 | 34.939 | 5.66 | 2.467 | 27.88 | 32.522 | 37.056 | 1.921 | 1512.9 | 3052. | 42.41 | 0.420 |
| 3200. | 2.679 | 34.935 | 5.66 | 2.414 | 27.89 | 32.525 | 37.061 | 1.963 | 1514.4 | 3150. | 42.60 | 0.425 |
| 3300. | 2.645 | 34.931 | 5.69 | 2.371 | 27.89 | 32.527 | 37.064 | 2.006 | 1516.0 | 3247. | 42.88 | 0.384 |
| 3400. | 2.611 | 34.927 | 5.73 | 2.326 | 27.89 | 32.529 | 37.067 | 2.049 | 1517.5 | 3345. | 43.13 | 0.396 |
| 3500. | 2.582 | 34.924 | 5.74 | 2.287 | 27.89 | 32.531 | 37.070 | 2.092 | 1519.1 | 3443. | 43.41 | 0.376 |