I.O.S.

CTD DATA
FROM THE NORTHEAST ATLANTIC OCEAN
37° - 47°N, 10° - 16°W
COLLECTED ON RRS DISCOVERY CRUISE 145
IN LATE WINTER 1984

BY

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J.F. READ & J. SMITHERS

REPORT NO. 223

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NATURAL ENVIRONMENT RESEARCH COUNCIL

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WORMLEY

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1. ABSTRACT

This report presents CTD data collected on RRS Discovery Cruise 145 (25 February - 24 March, 1984) in an area northeast of the Azores bounded by 37°N, 47°N, 15.3°W and 10.5°W. 38 stations were occupied, mostly to 2000 dbar, but 5 to the full depth. Calibration and data editing techniques are described. For the data presented, absolute accuracies are estimated to be better than 3 mK for temperature, 0.005 psu for salinity, and 0.3 ml/l for oxygen. The data are presented as profile plots of temperature, salinity, oxygen and density against pressure, and listings at standard levels of basic and derived values.

2. DATA COLLECTION

RRS Discovery Cruise 145 (Pollard et al, 1984) took place from 25 February to 24 March 1984. The primary scientific objective was to observe the structure of the upper ocean at the end of winter at two sites with different seasonal characteristics. The two sites chosen were around 40-41°N, 15°W and 45-46°N, 13-14°W, so the majority of CTD casts were in those areas (Table 1, and Figures 1, 2).

Two Neil Brown Instrument Systems (N.B.I.S.) Conductivity-Temperature-Depth (CTD) profilers were used. These are referred to as 'shallow' and 'deep' CTDs as they used 1500 and 6000 dbar pressure sensors respectively. The shallow CTD was only used in lowered mode on Station 10986 reported here. Following this calibration cast, it was transferred into the I.O.S. SeaSoar (Pollard et al, 1986) for the rest of the cruise. All further shiplowered CTD work was done with the deep CTD. The CTD casts fall into several groups:

- Casts 10985-88 were initial calibration casts, those with the deep CTD being done to full depth to allow calibration by comparison with Saunders' (1985a) deep Θ/S relation.
- Casts 10992-11002, 11004-7, 11010, and 11012-14 were made around the northern site, before and after a detailed SeaSoar survey (Pollard et al, 1986).
- The deep CTD was also used in yoyo mode on casts 11003, 8, 9, and 11 to resolve small space and time scales. The first cast of each yoyo is shown in this report. The full series will be displayed in Pollard et al (1986).
- A short CTD section, casts 11015-29, was made on passage from the north to the south site, spanning a notable change in water properties.
- Two short sections, 11022-27, were made across the current during work at the south site, followed by a short yoyo 11028.
- A final calibration cast 11029 was terminated prematurely by a cable fault.

3. CALIBRATION OF IOS DEEP CTD

The deep CTD was used on both Cruise 145 and the companion cruise that followed, Cruise 146 (Angel et al, 1984). It is convenient to analyse the calibration data for both cruises in this report, although Cruise 146 data will not be presented here.

CTD data were logged in the first instance onto a PDP11/34 computer, as described by Collins et al, (1983). After sampling (CTDSAMP) and averaging to 1-second raw values (CTDAVE), the data were calibrated (CTDCAL) using approximate calibration constants and archived to magnetic tape. Every fifth calibrated value was listed so that final calibration constants could be determined as follows.

Down casts (presented in this report) were generally completed without stopping. [An exception to this is cast 10985, for which the down cast was inadvertently not archived, so the upcast is displayed as indicated by the CTU in the header in place of CTD]. All calibration samples were taken with a General Oceanics Rosette Sampler stopping at standard depths during the upcasts. Some bottles carried reversing thermometers. Pressure was generally checked with a single unprotected/protected thermometer pair at the deepest calibration depth.

CTD sampling has to be stopped while the multisampler is fired to avoid noise spikes in the data. The 5-second listing of calibrated values is scanned for the consequent time gaps at the calibration depths. The CTD values of pressure, temperature and salinity immediately prior to the time gap are taken as the values to be compared against bottle and thermometer calibration values. Usually they are very stable over tens of seconds prior to firing the multisampler. If they vary or drift significantly because the CTD was close to an interface or in a marked gradient, the calibration point can be flagged as suspect.

A slightly different procedure has to be adopted for oxygen, because the Beckman oxygen sensor requires a flow of water past it to avoid possible ion depletion in the vicinity of the membrane. Accordingly, the 5-second listing is scanned back to the point where the winch was stopped (apparent from the pressure values) and the oxygen value read from about that point.

3.1 Temperature

Deep CTD temperatures were calibrated at sea by

$T(^{\circ}C) = T_{raw} * 0.000499156 + 0.034$ (JS)

derived from laboratory calibrations. 57 comparisons of CTD values against reversing thermometers were made. Summary statistics (Table 2a) show a trend with depth or temperature.

Comparison of JS with other calibrations over more than a year (Table 2b) shows JS to be anomalous. JS was exceptional in that the whole instrument was immersed in the calibration bath rather than only the sensor assembly. It was desired to check if a different calibration would result. The calibration had therefore to be done in a large tank, for which the temperature control was not as stable as that of the normal small bath. Accordingly, the sensors were surrounded by an insulating cover, inside which water was circulated by an external pump. However, transfer of heat from the pump motor to the pump itself made it difficult to obtain accurate low temperature calibrations.

A least squares fit to the data of 16.12.83, omitting the lowest temperatures measured (a group of readings at 0.2°C) yields

$T(°C) = T_{raw}* 0.00049942 + 0.027$ (JS*)

which is no longer anomalous (Table 2b) and is very close to the equation used by Saunders and Manning (1984),

$T(°C) = T_{raw}* 0.00049943 + 0.027$ (PMS)

If the PMS calibration is used in preference to JS, the trend in (thermometer - CTD) differences is removed. We conclude that it is not necessary to immerse the whole instrument, and that the thermometer calibration is stable over a year or more, (as already reported by Saunders (1985)). We have linearly adjusted the ship calibrated temperatures from the JS to PMS values using the equation

$T(PMS) = 1.00056* T(JS) - 0.007$

3.2 Pressure

There were 35 unprotected reversing thermometer readings, from which the pressure errors ($P_{thermometer} - P_{CTD}$) were found to have a mean of 0.5 dbar and a standard deviation of 4.1 dbar. This shows no more than stable calibration over several cruises, as the unprotected reversing thermometers were themselves calibrated against the CTD and echosounder on Cruise 117 (Saunders, 1981).

3.3 Salinity

Considerable problems were experienced with the salinity calibration. Salinities were initially calculated from conductivities using CTD temperatures speeded up with a 0.25 sec time constant and a conductivity ratio of 1.000825. This was changed to 1.0015 after three casts, but it was quickly apparent that the ratio was not stable, so the conductivity ratio was left unchanged for the remainder of Cruises 145 and 146. Postcruise corrections are described here, and have been applied to salinity directly, rather than to conductivity.

We began by listing (Table 3) all calibration data available below 3000 db. Three salinities are given at each level,

(i) the CTD observed salinity

(ii) the Guildline salinometer value for a bottle sample

(iii) the salinity calculated from the Θ/S relationship given by Saunders (1985a), namely $S = 34.698 + 0.098 * \Theta$.

We infer from Table 3 that

(a) The stability of the (PMS-CTD) errors from several samples on a single cast shows that PMS values are preferable to BOTtle values.

(b) 40% of the bottle values are in error by 4ppm or more. Most of these (6 out of 8) are too high, probably due to leaking bottles and unstable ambient laboratory temperature during use of Guildline Salinometer (P M Saunders, personal communication).

(c) CTD calibration drifted considerably.

While the full salinity calibration can only be referenced to bottle samples their limited reliability is borne in mind in what follows. After elimination of obviously faulty values, 93 salinity calibration values remained for Cruise 145, 75 for Cruise 146. These were tabulated against cast and pressure. There appeared to be a change in calibration with depth, so statistics for within cast depth variations were obtained by subtracting errors at two levels (Table 4). Salinities at depth are too low compared to shallow values, by 5ppm at 2000 dbar relative to 0 dbar. This is consistent with the conversion of conductivity to salinity using temperatures that were too large at 2000 dbar by about 5 mK (Table 2a).

Rather than apply a temperature correction, however, it was more convenient to apply a piecewise linear pressure correction, (Table 4b). The

last column of Table 4a shows the corrections applied, for comparison with the means.

Salinity offsets at the main calibration depths are shown in Table 5 after making the above corrections. It can be seen (Table 5 and Fig. 3) that the CTD salinity increased with time. Keeping the conductivity ratio constant at 1.0015, the correction to be added thus decreased from +6ppm to -42ppm in 46 days, a shift of about 1ppm/day. The offset is often stable over several casts, then jumps to another value. The corrections made to individual casts are shown in the last column of Table 5. They have been kept constant over as many casts as possible, and changed monotonically with time with two exceptions.

Statistics of residual errors after making the corrections in Tables 4 and 5 are shown in Table 6. Salinities are correct to less than 1ppm with a standard deviation of less than 2ppm.

After completing the above calibrations, hysteresis was found between down and up θ/S plots (Fig. 4), with down casts giving higher salinities by 1-4 ppm than up casts at the same potential temperature. Since it is the upcast that has been calibrated, salinities on down casts may be high. The cause of the hysteresis is not clear. Examples were found where T and C were identical on down and up casts, but pressure differed by 1-4 dbar and salinities differed by 0.4 to 1.5 ppm. Thus it would take a hysteresis difference of 10 dbar in pressure to account for 4 ppm. Sudden salinity changes of 1-2 ppm were also apparent (A on Fig. 4). Again, the cause is not known. No corrections have been attempted, but we infer that deep CTD salinities have a maximum absolute error of 0.005 psu.

3.4 Oxygen

Only 59 samples were available for oxygen calibrations, which gave a mean offset of 0.1 ml/l and standard deviation of 0.2 ml/l (Table 7a). However a trend of about 0.1 ml/l/1000 dbar could be seen, so the data have been piecewise linearly corrected as shown in Table 7b. Both bias and standard deviation are thereby reduced to less than 0.1 ml/l.

The reservations expressed by Pollard (1985) concerning the long cell time constant and hysteresis remain, however. Since the calibration method and equations used here are the same as those used by Pollard (1985), the conclusion that absolute errors may be as large as 0.3-0.4 ml/l also remains valid.

4. NEW SHALLOW CTD

The new shallow CTD was used for one cast only, 10986, before being transferred to SeaSoar for the rest of Cruise 145 and start of Cruise 146.

Temperature

2 reversing thermometer comparisons gave -.004 and +.003°C offsets from the laboratory calibrations. Temperature was left unchanged.

Salinity

6 salinity samples gave $S_{BOT} - S_{CTD}$ values of 39, 30, 31, 28, 30, 29ppm. Ignoring the first value, we deduce an additive correction of 0.030 psu for cast 10986 and this correction has been made to the data in this report.

Comparison of CTD 10986 with a deep CTD cast nearby (10987) suggests that 10986 is 0.003 psu fresher than 10987. We may thus estimate an absolute error of no more than 0.005 psu for the shallow CTD salinities.

Oxygen

The Oxygen sensor on the shallow CTD gave very poor results on cast 10986, and broke on the first SeaSoar run. We have therefore omitted oxygen for the shallow CTD.

5. EDITING AND DATA QUALITY

Following the experience of Cruise 132 (Pollard, 1985) it was decided that the raw data should be edited before initial averaging. CTDAVG was therefore modified as follows.

Data for each variable and each averaging interval are edited independently. The values to be averaged (usually 15 or 16) are sorted into ascending order, and the two median values are used to calculate a mean M and difference D. If D is zero, it is reset to a minimum value (different for each sensor, and in raw units). Any data value outside the range $M \pm nD$ (where n depends on the sampling frequency and averaging interval) is omitted from the average.

This procedure assumes that the median values are good, i.e. that typically less than half the values are wrong and all biassed one way. This is nearly always the case for NBIS CTD data, unless there is a serious fault. The procedure has the ability to delete very small spikes in quiet

regimes, such as a nearly homogeneous mixed surface or deep layer. In a strong thermocline, D is large and so the checking limits are likewise less stringent.

Any errors which passed the above check were identified from profile and T/S plots, deleted and linearly interpolated.

Examination of the 1-second averaged profile plots shows the final data quality. The density profiles (sigma-0 above 800 dbar, sigma-1500 below 800 dbar) commonly show spikes and inversions rarely greater than 0.02 kg/m^3. These are almost always related to sudden changes in the T/S relation, which occurred frequently, because almost all casts passed through very patchy Mediterranean water.

Thus, while the absolute accuracy of T and S has been estimated as 3 mK and 0.005 psu, errors may rise to perhaps 20 mK or 0.02 psu in regions of strong gradients.

Errors are worse than this for station 10985, partly because it is the ascending trace that is presented, partly because it was the first CTD on the cruise.

Oxygen data are of relatively poor quality. The signal can oscillate peak to peak by about 0.1 ml/l (e.g. CTD 11016), and is related to the uneven lowering rate caused by surface wave conditions. Where the uptrace has had to be used (CTU 10985), spikes and shifts can be seen at points where bottles were fired (e.g. 1500 dbar) even after extensive editing.

DISPLAY

While all the data processing was done on a Honeywell 66/60 computer, the final data sets were archived in GF-3 format (UNESCO, 1980) and transferred to a GEC 4090. The plots and listings were generated from the GEC.

Profile plots

After linear interpolation of bad or missing data the 1-second values were plotted for the top 2000 dbar using the program listed in Table 8. Salinity values are offset (paged) for values less than 35.2 psu. Because the density referenced to 0 dbar gives a very poor indiciation of the density gradient in Mediterranean water, we have plotted sigma-0 above 800 dbar and sigma-1500 (the density referenced to 1500 dbar) below 800 dbar.

The time and position given at the bottom of each plot differ slightly from those given in Table 1. The latter are by convention, the values at the midpoint of the cast (i.e. CTD at maximum depth). The values on the plot are those for the start of the cast.

Listings

Station lists were generated using IOS-developed "PSTAR" software (Pollard & Read, 1985) installed on the GEC. The program input is listed in Table 9. The program creates 10 dbar averages from the one-second data (PAVRGE), calculates derived variables (PEOS83) linearly interpolates to standard levels (PFETCH), calculates further derived variables (PEOS83), and lists the data. Note that the last column Brunt-Vaisala frequency, is calculated from the density difference between the level at which it is tabulated and the level above in the listing. The values therefore have large error bars for small pressure differences. For example, an error in density difference of 0.001 kg m^{-3} causes a B-V frequency error of 0.42 c.p.h. for a 20 dbar pressure difference, or 0.20 c.p.h. for a 100 dbar difference.

7. ACKNOWLEDGEMENTS

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TABLE 1

CTD Stations

Number	Day/Time	Lat. (N)	Long. (W)	Depth	Notes
10985	57/2207	37 08.5	10 58.4	4671	Calibration cast
10986	58/0651	37 30.1	11 32.0	600	Calib. of shallow CTD
10987	58/1031	37 32.7	11 32.2	5188	In eddy near 10986
10988	60/0110	40 14.5	15 00.4	5400	Near S moorings
10992	63/0043	46 52.7	13 03.4	2000	Triangular survey
10993	63/0552	46 29.9	13 14.7	2000	north of north
10994	63/1332	45 41.6	13 43.9	2030	moorings
10996	63/2230	46 00.8	14 05.1	2000	ditto
10997	64/0244	46 19.4	14 28.8	1370	ditto (cable fault)
10998	64/0704	46 24.3	13 51.9	2000	ditto
10999	64/1140	46 05.2	13 32.0	2000	ditto
11001	65/0315	45 27.9	13 16.0	2041	Dogleg SE of N mooring
11002	65/0740	45 07.1	13 35.2	1550	ditto (cable fault)
11003	65/1926	45 48.6	13 39.0	400	Yoyos keeping station
to	65/2104	45 49.3	13 39.5	yoyo	by north toroid
11004	65/2303	45 53.7	13 38.5	2000	Between 10994 and 999
11005	66/0455	45 45.2	13 07.2	2000	Course 112 from 11004
11007	70/1358	45 47.0	12 56.5	1500	East of spar
11008	70/1426	45 47.0	12 56.3	600	Yoyos drifting past
to	71/0122	45 44.1	13 06.8	yoyo	spar
11009	71/0336	45 42.3	13 02.4	600	Yoyos keeping station
to	71/0722	45 41.1	13 01.6	yoyo	by spar
11010	71/0800	45 40.9	13 01.4	2000	Deep cast by spar
11011	71/0829	45 40.9	13 01.4	600	Yoyos keeping station
to	71/1730	45 40.0	13 00.2	yoyo	fairly near spar
11012	71/2158	45 41.8	12 42.1	2000	East of spar
11013	72/0011	45 39.0	12 45.3	2000	ditto
11014	72/0423	45 26.4	13 16.6	2000	West of spar
11015	73/1243	43 21.3	14 19.8	2000	Line of CTDs across
11016	73/1649	43 29.6	14 16.9	2000	outcrop of
11017	73/2213	43 37.4	14 15.0	4511	12 deg. (to bottom)
11018	74/0304	43 45.7	14 05.0	2000	isotherm
11019	74/0641	43 53.6	13 58.4	2000	ditto
11020	74/1414	43 11.7	14 25.0	5356	ditto (to bottom)
11022	78/2245	40 43.1	15 14.8	2000	Line of CTDs along
11023	79/0144	40 41.1	15 05.2	2000	110 line past spar
11024	79/0643	40 39.8	14 50.9	2000	ditto
11025	81/2008	40 49.9	14 56.2	2000	Second line as above
11026	81/2254	40 47.5	14 46.9	2000	ditto
11027	82/0132	40 45.4	14 36.0	2050	ditto
11028	82/0600	40 51.7	14 57.0	300	Yoyo close to spar
to	82/0759	40 51.6	14 57.3	yoyo	
11029	83/1750	41 07.3	10 27.8	300	Final calib. cast, ended by cable fault

TABLE 2a

Temperature calibrations on Cruise 145

pres (dbar)	temp (°C)	No. in sample	$T_{thermometer} - T_{CTD}$ (mK) mean (JS)*	standard deviation	mean (PMS)*
50	12.5 ± 1.1	19	3.5	6.4	3.6
200/500	11.6 ± 0.6	6	-0.2	6.2	0.4
1500/2000	4.0 ± 0.4	23	-5.2	4.3	-0.4
over 3000	2.6 ± .1	9	-2.2	2.2	3.4

* JS, PMS refer to the calibration equations used, see text.

TABLE 2b

Time series of CTD laboratory calibrations

Date	Slope	Offset	reference
16.11.83	0.00049955	0.0235	
28.11.83	0.00049951	0.0253	
16.12.83	0.00049916	0.0337	JS
5. 7.84	0.00049955	0.0241	
17. 1.85	0.00049953	0.0261	
	0.00049943	0.027	PMS
16.12.83	0.00049942	0.0267	JS*

TABLE 3

Comparison of deep salinities with sample bottles and potential temperature derived values

Station	Pres dbar	Theta degc	SalCTD psu	SalBOT psu	SalPMS psu	S(B-C) ppm	S(P-C) ppm	S(P-B) ppm	mean CTD correction
10985	4670	2.071	34.863	34.901	34.901	+38	+38	0	
26.2.84	4600	2.070	34.862	34.901	34.901	+39	+39	0	
	4500	2.071	34.863	34.901	34.901	+38	+38	0	+38
	4000	2.113	34.867	34.905	34.905	+38	+38	0	
	3000	2.578	34.911	34.947	34.951	+36	+40	+4(+2)	
10987	4500	2.092	34.868	34.899	34.903	+31	+35	+4*	
27.2.84	3991	2.171	34.876	34.926	34.911	+50	+35	-15*	+35
	2998	2.665	34.922	34.961	34.959	+39	+37	-2(-4)*	
10988	5420	2.051	34.871	34.900	34.899	+29	+28	-1	
29.2.84	4998	2.059	34.870	34.921	34.900	+51	+30	-21*	
	4502	2.095	34.874	34.908	34.903	+34	+29	-5*	+30
	3995	2.195	34.883	34.913	34.913	+30	+30	0	
	3492	2.336	34.896	34.927	34.927	+31	+31	0	
	2998	2.584	34.917	34.948	34.951	+31	+34	+3(-1)	
									Note 1
11017	4551	2.103	34.920	34.904	34.904	-16	-16	0	
13.3.84				34.898		-22		+6*	-15
	4331	2.125	34.921	34.907	34.906	-14	-15	-1	
11020	5338	2.064	34.916	34.905	34.900	-11	-16	-5*	
14.3.84				34.898		-18		+2	-16
	4502	2.105	34.920	34.914	34.904	-6	-16	-10*	

underlined - Potential temperatures over 2.5° C. PMS canonical value higher than true salinity. Bracketted value shows correction to be added to bottle value to estimate true salinity.

* - Bottle values in error in 8 out of 20 samples. Bottle values too high in 6 out of the 8 cases.

Note 1 - Conductivity ratio was changed between 10988 and 11017.

TABLE 4

(a) Depth variations in salinity errors

Depths (dbar) A	Depths (dbar) B	No. in sample	$(S_{BOT} - S_{CTD})_A - (S_{BOT} - S_{CTD})_B$ (ppm) mean	standard deviation	SD of mean	Final correction ppm
			Cruise 145			
50	2000	16	-1.6	1.1	0.28	-1.5
200	2000	14	-3.7	1.9	0.51	-3.5
50	2000	22	-5.4	1.9	0.40	-5.0
			Cruise 146			
40/60	2000	12	-4.0	1.9	0.56	-5.0
250	2000	11	-2.9	1.4	0.44	-3.2
500	2000	7	-1.7	2.0	0.75	-1.5
1000	2000	8	-1.7	1.6	0.56	-1.0

(b) Final depth correction to be subtracted from CTD salinities

depth (dbar)	correction (ppm)	gradient
50	0	
0-200		1ppm/100m
200	-1.5	
200-500		1ppm/150m
500	-3.5	
500-2000		1ppm/1000m
200 and below	-5.0	

TABLE 5a

Depth adjusted salinity errors, $S_{BOTTLE} - S_{CTD}$ (ppm) for Cruise 145

Station	Pressure (dbar) 50	200	2000	Station average	Correction made
10985	35		35	+33*	+33(+6)ç
10987	28		29	+30*	+30(+3)ç
10988	27		25	+25*	+25(-2)ç
10992	-7	-5.5	-7	-6.5	-7
10993	-6		-9	-7.5	-7
10994	-7	-6.5	-7	-7	-7
10996	-6	-7.5	-8	-7	-7
10998	-6	-6.5	-8	-7	-7
10999	-6	-6.5	-4	-6	-7
11001	-8	-8.5		-8	-7
11002					-7~
11004	-13	-10.5	-11	-11.5	-12
11005	-11	-11.5	-12	-11.5	-12
11007					-18~
11008					-18~
11009					-18~
11010					-18~
11011					-18~
11012	-17		-18	-17.5	-18
11014	-19		-18	-18.5	-18
11015	-22	-22.5	-22	-22	-21
11016	-21	-20.5	-23	-21.5	-21
11017	-22	-22.5	-18	-21*	-21
11018	-22	-22.5	-21	-22	-21
11019	-24	-21.5	-22	-22.5	-21
11020		-22.5	-24	-22*	-21
11022	-25	-25.5	-24	-25	-25
11023					-21~
11024	-22	-18.5	-19	-20	-21
11025	-29		-30	-29.5	-29
11026	-28	-28.5	-27	-28	-29
11027	-29	-28.5		-29	-29
11028					-29~
11029					-29~

* Includes calibration depths not shown here. See Table 3, allowing for the 5ppm depth correction to the deep values.

ç Conductivity ratio was 1.000825 for 10985,7 and 8, changed to 1.0015 thereafter. Values in brackets show the corrections that would have applied if 1.0015 had been used throughout.

~ No calibration data available for the cast. The best correction was inferred by comparing T/S diagrams with those of near (in time and space) calibrated casts.

TABLE 5b

Depth adjusted salinity errors, $S_{BOTTLE} - S_{CTD}$ (ppm) for Cruise 146

STATION	Pressure												station mean	correction made
	5/10	20	40	50/60	80	100	250	500	750	1000	1500	2000		
11031				-38		-37.5				-40	-42		-39.5	-38
11032							-38			-39		-39	-38.5	-38
11033	-35.5			-39		-37.5						-38	-37.5	-38
11035	-35.5			-36		-36.5						-38	-36.5	-38
11061				-42			-42.5						-42	-42
11062				-40			-41.5						-41	-42
11063	-41.5			-41			-42	-42.5	-42	-45		-42	-42	-42
11065	-44.5			-44		-42.5	-43			-44		-42	-43.5	-42
11067	-41.5					-40.5	-40	-41.5		-42		-38	-40.5	-40
11068	-41.5	-39.5		-40	-40.5		-42	-39.5		-41		-42	-40.5	-40
11070				-38			-40	-39.5		-40		-40	-39.5	-40
11073	-38.5	-37.5	-39	-38	-39.5	-37.5	-39	-39.5		-39		-39	-38.5	-40
11075			-41	-38	-39.5		-40	-40.5		-40		-39	-39.5	-40
11076				-38	-38.5		-39	-39.5		-41		-41	-39.5	-40

TABLE 6

Statistics of residual salinity errors after correcting for time and depth trends

Cruise	Pressure (dbar)	No. of samples	$S_{TRUE} - S_{CTD}$ ppm	
			mean	SD
145	50	24	-0.0	1.2
	200	19	0.1	1.3
	2000	23	0.0	1.6
	all	93	0.2	1.3
146	5-20	10	0.5	1.8
	50-100	22	0.9	1.5
	250	11	0.1	0.9
	500	7	-0.1	0.8
	1000	10	-1.1	1.2
	2000	12	0.1	1.1
	all	75	0.1	1.4

TABLE 7

(a) Oxygen errors for Cruise 145

Depth (dbar)	No. of samples	$O_{BOTTLE} - O_{CTD}$ (ml/l) mean	$O_{BOTTLE} - O_{CTD}$ (ml/l) standard deviation
50	8	-0.09	0.10
100	4	-0.01	0.10
200	8	-0.07	0.06
500/1000/1500	8	0.09	0.11
2000	9	0.12	0.06
below 3000	18	0.25	0.09
all	59	0.10	0.17

(b) Final correction to be added to Deep-CTD oxygens

Depth (dbar)	correction (ml/l)	gradient
0-250	-0.05	
250-2000		0.01 ml/l/100dbar
2000	0.12	
		0.13 ml/l/1000dbar
3000	0.25	

TABLE 8

Production of Profile Plots

```
C.....PROFILE PROGRAM FOR CTD DATA
      DIMENSION X(11000),Y(11000),S(11000)
      CHARACTER*8 PROG
      CHARACTER*10 PRLAT,PRLON
      CHARACTER*8 TBUF
      INCLUDE EVERY1.USEB.PXEC.PC73.PSTAR.SOURCE.DATADF
      SIZE=2.2
      SIZE1=4.0
      SIZE2=2.8
C.....  This fortran program makes full use of the GEC plotting
C.....libraries; Grafix and Gestalt.
C.....Along with the Pexec library used to investigate Pstar data
C.....files.
C.....  The aim of the program is to produce a plot for the 'down'
C.....profile only, for pressure (y-axis) against temperature,
C.....salinity, oxygen and density (x-axis) all on the same graph,
C.....from a CTD station not exceeding 2000m depth.
C.....  To give a better representation of the density profile, sig0
C.....is plotted down to a depth of 800m and below that sig1500 is
C.....plotted.
C
      CALL C1075N(4,8,NDEV)
      OPEN(4,FILE='&PLOT/MPT')
C
C.....Attach data file.
C
      CALL PROGHD(PROG)
      CALL OPENIN(INDISK)
      CALL READPR(INDISK,
     &INSTMT,DATNAM,VERS,PLATYP,PLTNAM,PLTNUM,ICENT,IYMD,IHMS,
     &ALAT,ALONG,DEPTHI,DEPTHW,COMENT,NOFLDS,NORECS,NROWS,
     &FLDNAM,FLDUNT,ALRLIM,UPRLIM,ABSENT)
      IF(NORECS.GT.11000)STOP 'NORECS GT 11000'
C
C.....DRAW GRID
C
      CALL PAGE2(220.,300.)
      CALL PAGBEG
      CALL SHIFT2(54.,54.)
      CALL GRAFIX(120.,200.,0.)
      CALL DEFLA2(3.,15.,2000.,0.)
      CALL GRISEL(3,0,1)
C
C.....Labelling the graph with the filename.
C
      CALL CHLENS(SIZE1)
      CALL TEXT2(43.5,214.,DATNAM,1,8,1)
```

```
C
C.....Routine to annotate the x-axis when plotting
C.....temperature against pressure (y-axis).
C
      CALL PNCOLS('BLACK')
      CALL CHLENS(SIZE)
      CALL TL2BEG(1)
      DO 10 I=1,13
      NTEC =1
      IF(MOD(I,2).EQ.0)NTEC=0
      CALL TICLA2(FLOAT(2+I),NTEC)
 10   CONTINUE
      CALL TL2END
C
C.....Annotating and labelling the y-axis.
C
      CALL AXILB2(200.,2,2)
      CALL TXANGS(90.)
      CALL TEXT2(-27.,180.,'PRES',1,4,1)
      CALL TXANGS(0.0)
C
C.....Labelling temperature scale for x-axis.
C
      CALL TEXT2(-10.,-5.0,'TEMP  (DEG.C)',1,13,1)
C
C.....Routine to annotate the x-axis when plotting
C.....salinity against pressure (y-axis).
C..... -In this case you have to define where the figures
C.....are to be put in the annotation. (As there is no
C.....subroutine to annotate multiple variables on on axis.
C
      CALL PNCOLS('BLUE')
      DO 15 N1=2,8
        CALL FNUMB2(5.+(N1-2)*20,-10.0,35.2+(N1-2)*0.2,5,1,1)
 15   CONTINUE
C
C.....Labelling the salinity scale for the x-axis.
C
      CALL TEXT2(-10.,-10.0,'SALINITY (PSU)',1,14,1)
C
C.....Routine to annotate x-axis when plotting
C.....oxygen against pressure (y-axis).
C..... The method of annotation is the same as
C.....that for salinity.
C
      CALL PNCOLS('GREEN')
      DO 14 N2=2,8
        CALL FNUMB2(5.0+(N2-2)*20,-15.0,N2+0.0,3,1,1)
 14   CONTINUE
C
C.....Labelling the oxygen scale for the x-axis.
C
```

```
      CALL TEXT2(-10.,-15.0,'OXYGEN (ML/L)',1,13,1)
C
C.....Routine to annotate the density scale for sig0
C
      CALL PNCOLS('RED')
      DO 13 N3=2,8
        CALL FNUMB2(5.+(N3-2)*20,-20.0,26.8+(N3-2)*0.2,4,1,1)
 13   CONTINUE
C
C.....Labelling ths sig0 scale for the x-axis
C
      CALL TEXT2(-10.,-20.0,'SIGMA0  (CGS)',1,13,1)
C
C.....Routine to annotate the density scale for sig1500
C
      DO 12 N4=2,8
        CALL FNUMB2(5.+(N4-2)*20,-25.0,33.8+(N4-2)*0.1,4,1,1)
12    CONTINUE
C
C.....Labelling ths sig1500 scale for the x-axis
C
      CALL TEXT2(-10.,-25.0,'SIGMA1500(CGS)',1,14,1)
C
C.....Routine to annotate details about cruise 145
C
      CALL PNCOLS('BLACK')
      CALL TEXT2(-5.,-36.0,PLTNAM,1,12,1)
      CALL TEXT2(13.,-36.0,'CR 145',1,6,1)
      CALL TEXT2(35.,-36.0,DATNAM,1,8,1)
      CALL TEXT2(40.,-36.0,VERS,1,2,1)
      CALL TEXT2(61.,-36.0,'1984/  /',1,8,1)
      CALL JDAYS(IYMD,JDAY)
      CALL INUMB2(58.8,-36.0,JDAY,2,1)
      IHM=IHMS+1000000
      WRITE(TBUF,600)IHM
 600  FORMAT(I7)
      CALL TEXT2(70.,-36.0,TBUF,2,5,1)
      CALL LATPRN(ALAT,ALONG,PRLAT,PRLON)
      CALL TEXT2(98.,-36.0,PRLAT,1,9,1)
      CALL TEXT2(122.,-36.0,PRLON,1,10,1)
C.....
C
      CALL MARSEL(0)
      CALL LINSEL(1)
      CALL PNCOLS('BLACK')
C     ISTART=1
C     ISTOP=1250
C     IRECS=ISTOP-ISTART
      CALL INDATA(INDISK,3,ISTART,IRECS,Y,
     &NOFLDS,NORECS)
      DO 30 IVAR=3,13
C        IF (IVAR.EQ.11) THEN
```

```
          IF(IVAR.EQ.4.OR.IVAR.EQ.7.OR.IVAR.EQ.8.OR.IVAR.EQ.11) THEN
          WRITE(2,*)IVAR
C
C.....Change the scale of the x-axis for each variable
C
       IF (IVAR.EQ.7) GOTO 50
       IF (IVAR.EQ.8) GOTO 51
       IF (IVAR.EQ.11) GOTO 52
       GO TO 55
 50    CALL PNCOLS('BLUE')
       CALL DEFLA1(35.2,36.4,1)
       GOTO 55
 51    CALL PNCOLS('RED')
       CALL DEFLA1(26.8,28.0,1)
C     CALL INDATA(INDISK,13,ISTART,IRECS,S,
C     &NOFLDS,NORECS)
       GOTO 55
 52    CALL PNCOLS('GREEN')
       CALL DEFLA1(2.,8.,1)
 55    CONTINUE
          J=IVAR
          CALL INDATA(INDISK,J,ISTART,IRECS,X,
      &NOFLDS,NORECS)
C
C.....Routine to place initials at the top of graph
C.....for the four variable plots.
C
          IF (IVAR.EQ.4) XPEN=((X(10)-3.)/(15.-3.))*120.
          IF (IVAR.EQ.7) XPEN=((X(10)-35.2)/(36.4-35.2))*120.
          IF (IVAR.EQ.8) XPEN=((X(10)-26.8)/(28.0-26.8))*120.
          IF (IVAR.EQ.11) XPEN=((X(10)-2.)/(8.-2.))*120.
          IF (IVAR.EQ.4) CALL TEXT2(XPEN-2.,202.,'T',1,1,1,1)
          IF (IVAR.EQ.7) CALL TEXT2(XPEN-2.,202.,'S',1,1,1,1)
          IF (IVAR.EQ.8) CALL TEXT2(XPEN-2.,202.,'D',1,1,1,1)
          IF (IVAR.EQ.11) CALL TEXT2(XPEN-2.,202.,'O',1,1,1,1)
       CALL POIBEG
          DO 20 N=1,IRECS
C
C.....Routine to lift pen if absent data values
C.....or to lift pen at end of each variable plot.
C
 16          IF(N.EQ.NORECS)GO TO 17
             IF(X(N).GE.0.0.AND.Y(N).GE.0.0)GOTO 18
 17          CALL POIEND
             CALL POIBEG
             GO TO 20
C
C.....If data is too small, wrap around occurs so plot is not lost
C.....Subroutine POILA2 plots coordinates (X(N),Y(N)).
C
 18        IF(IVAR.NE.7)GOTO19
           IF (X(N).LT.35.2) X(N)=X(N)+1.2
```

```
C
C.........Routine to skip plot subroutine if points are out of range
C.........    of the graph scales'
C
 19       IF ((Y(N).GT.2000.).OR.(Y(N).LT.0.)) GOTO20
C
C...........Routine to plot density according to the depth
C
            IF (IVAR.EQ.8.AND.Y(N).GT.800) THEN
               CALL DEFLA1(33.8,35.0,1)
               CALL POILA2(S(N),Y(N))
               CALL DEFLA1(26.8,28.0,1)
            ELSE
               CALL POILA2(X(N),Y(N))
            ENDIF
 20     CONTINUE
      CALL POIEND
      ENDIF
 30   CONTINUE
      CALL GRAEND
      CALL GCLOSE
      CALL PAGEND
      END
C
      SUBROUTINE JDAYS(IYMD,JDAY)
C
C.....subroutine to convert day and month to day of year
C
      INTEGER FSTDOM(13)
      DATA FSTDOM/0,31,59,90,120,151,181,212,243,273,304,334,365/
C
      ILEAPY=0
      ILEAPC=0
C
C.....to split integer IYMD into IYEAR, IMON, and IDAY
      IDAY=MOD(IYMD,100)
      IMON=MOD(IYMD/100,100)
      IYEAR=IYMD/10000
C
C.....test for leap year
      IF(MOD(IYEAR,4).EQ.0) ILEAPY=1
C
C.....test to see if nead extra day for leap year
      IF ((ILEAPY.EQ.1).AND.(IMON.GT.2)) ILEAPC=1
C
C.....calculate jday
      JDAY=FSTDOM(IMON)+IDAY+ILEAPC
C
      RETURN
      END
```

TABLE 9

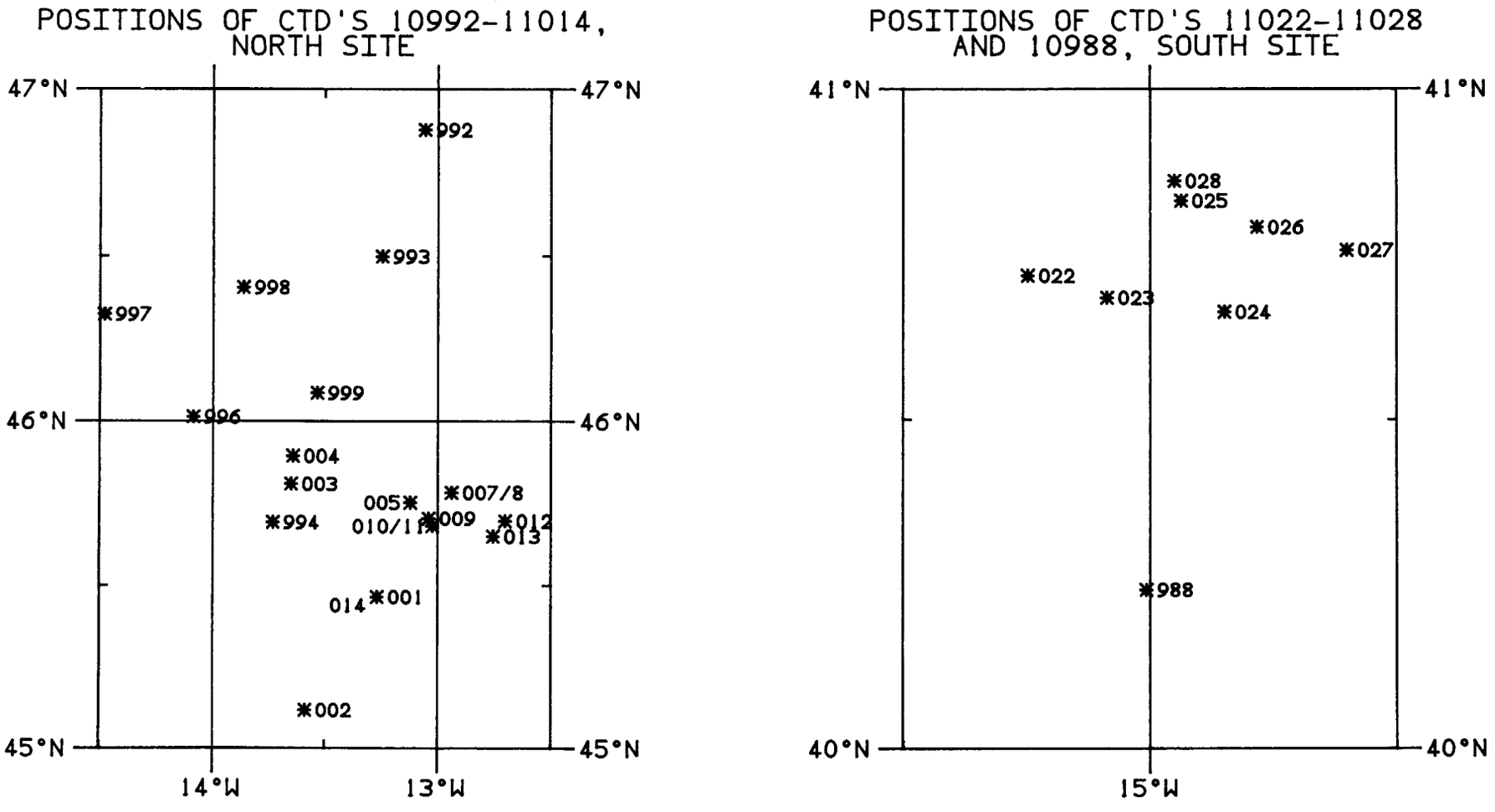
Production of Listings

```
// Macro to produce report listings
//       CR 145 - CTD data
//
SET VERIFY
//
//PCOPYA - 6 of original vars (P,T,S,Pot,Oxy,SigmaT) + 5 more
PRUN.PCOPYA IN=%H+
ME.PC71.CR145.CTD10985
N
ME.PC71.CR145.LIST985

3,4,7,11,6,8,3,3,3,3,3,3/
/
/
+
//
//PAVRGE - on P
PRUN.PAVRGE IN=%H+
ME.PC71.CR145.LIST985
&TEMP

1,2.5,5/
+
//
//PEOS83 - to prod SIGP, DYNHT, SNDVEL, DEPTH, etc
PRUN.PEOS83 IN=%H+
&TEMP
ME.PC71.CR145.LIST985
1,2,3,4,5,6/
3
1,2,3
1000.0
SIG1000
3
/
2000.0
SIG2000
13
/
DYNHT
9
/
SNDVEL
11
/
DEPTH
0
+
//
//PFETCH - on levels specified in file .LEVELS
PRUN.PFETCH IN=%H+
ME.PC71.CR145.LIST985
&TEMP
1
ME.PC73.CR132.LEVELS
1,2,3,4,5,6,7,8,9,10,11,11,11/
+
```

FIGURE 2



ENLARGED MAP OF CTD POSITIONS DISCOVERY CRUISE 145

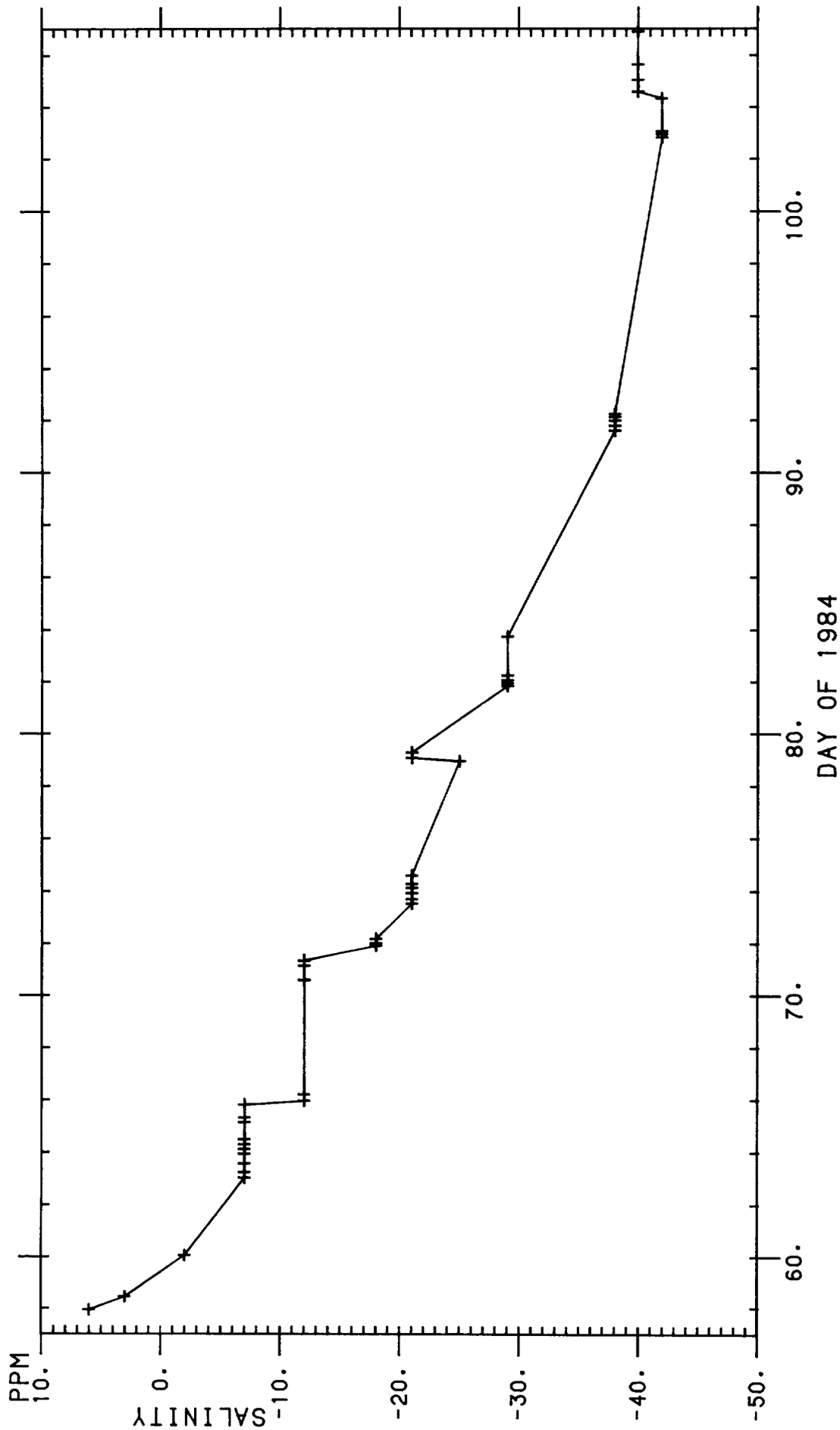


FIGURE 3 Drift of new deep CTD salinities with time during Cruise 145 and 146. The figure shows the error in parts per million that must be added to the observed salinity to get the true value, if a conductivity ratio of 1.0015 is used throughout.

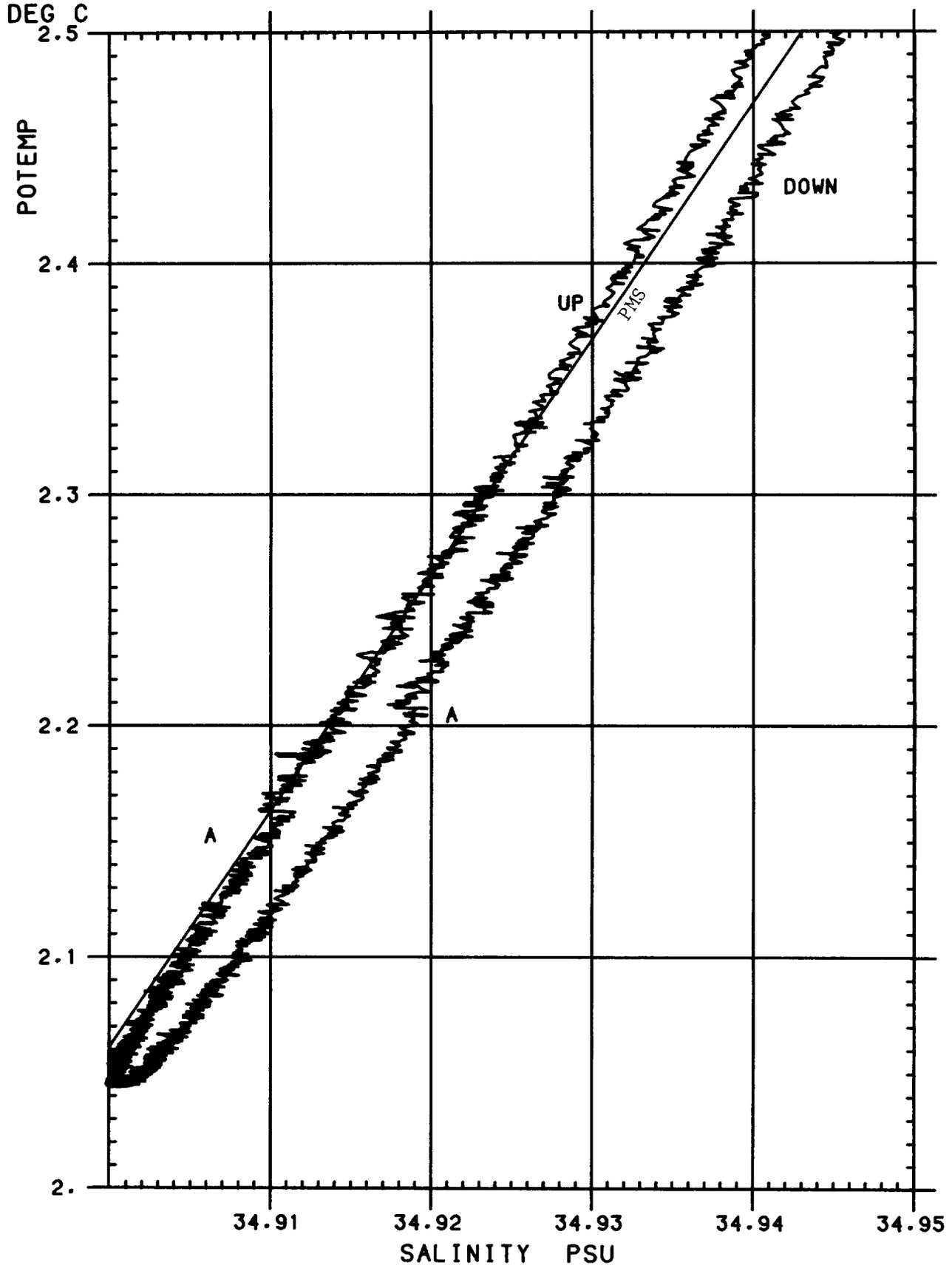
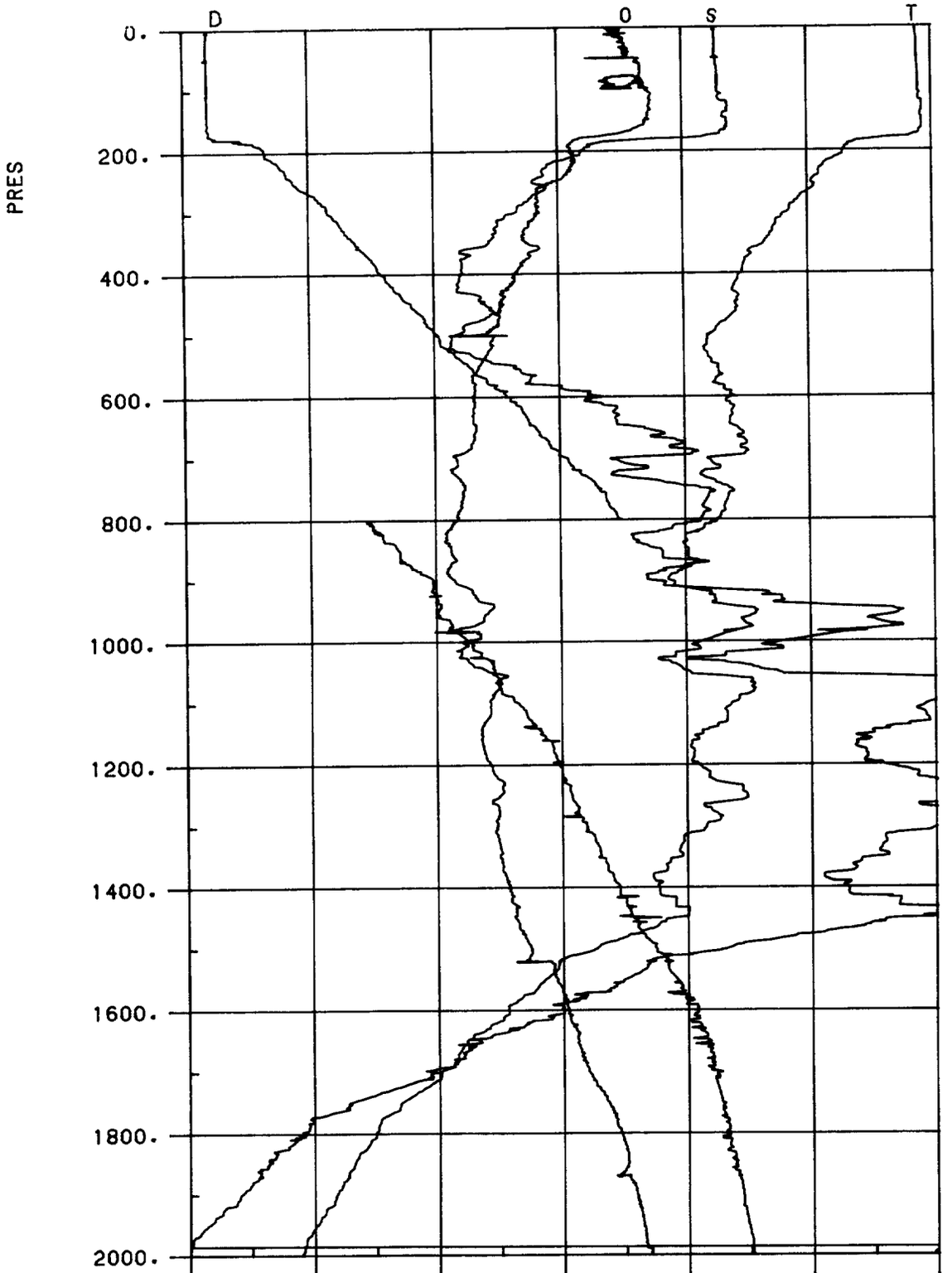


FIGURE 4 Worst case comparison of deep potential temperature versus salinity curves for down and up casts. Hysteresis of up to 0.004 psu is apparent. The down casts are shown in this report, but calibrations were made on the up cast. The Saunders (1985b) Θ/S line is marked PMS. Unexplained salinity shifts of 0.001 - 0.002 psu are marked A.

CTU10985



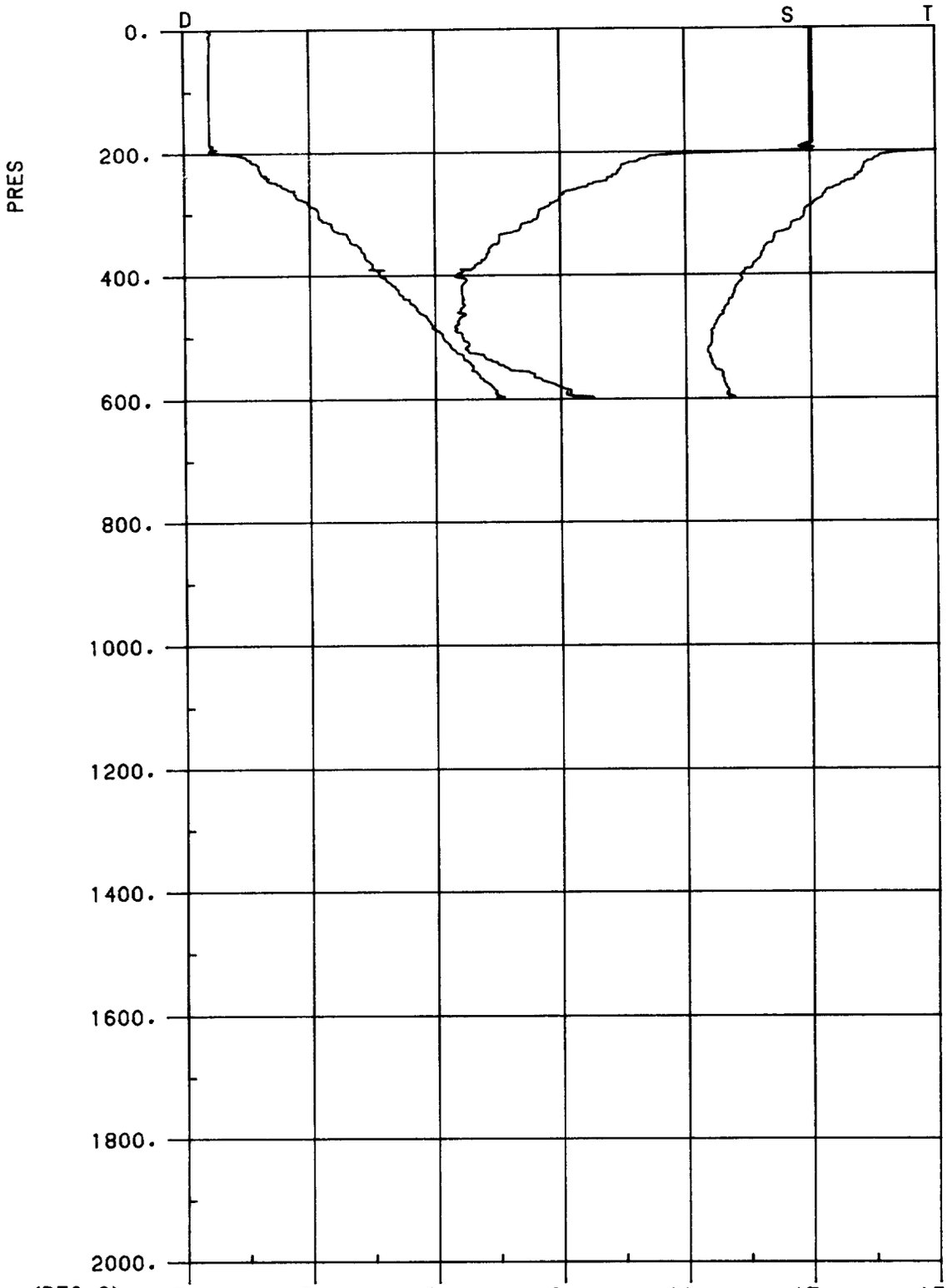
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTU10985 B 1984/57/2207 37 8.60N 10 58.20W

DISCOVERY 145 STATION 10985

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	14.755	36.052	5.48	14.753	26.838	31.192	35.449	0.012	1507.3	10.	0.1204E+03	-9.999
20.	14.764	36.053	5.53	14.761	26.838	31.191	35.448	0.024	1507.5	20.	0.1208E+03	-0.406
40.	14.764	36.052	5.55	14.758	26.838	31.191	35.448	0.048	1507.8	40.	0.1215E+03	-0.219
60.	14.772	36.054	5.66	14.763	26.838	31.191	35.449	0.073	1508.2	60.	0.1221E+03	0.289
80.	14.781	36.056	5.57	14.769	26.838	31.192	35.449	0.097	1508.5	79.	0.1227E+03	0.200
100.	14.782	36.056	5.52	14.767	26.838	31.192	35.449	0.122	1508.9	99.	0.1234E+03	0.088
120.	14.822	36.067	5.74	14.804	26.839	31.192	35.448	0.147	1509.3	119.	0.1240E+03	0.308
140.	14.820	36.065	5.72	14.799	26.839	31.192	35.448	0.171	1509.7	139.	0.1247E+03	-0.164
160.	14.841	36.071	5.66	14.817	26.839	31.191	35.447	0.196	1510.1	159.	0.1253E+03	0.109
180.	14.231	35.954	5.16	14.204	26.882	31.246	35.514	0.221	1508.3	179.	0.1217E+03	2.661
200.	13.570	35.837	5.10	13.542	26.931	31.309	35.589	0.245	1506.4	198.	0.1175E+03	2.863
220.	13.282	35.787	5.13	13.251	26.953	31.336	35.622	0.268	1505.7	218.	0.1159E+03	1.891
240.	13.161	35.774	5.05	13.128	26.967	31.353	35.642	0.292	1505.6	238.	0.1151E+03	1.556
260.	13.086	35.779	4.84	13.050	26.988	31.375	35.665	0.314	1505.7	258.	0.1137E+03	1.805
280.	12.825	35.751	4.84	12.787	27.018	31.411	35.706	0.337	1505.1	278.	0.1113E+03	2.250
300.	12.672	35.729	4.84	12.631	27.032	31.428	35.726	0.359	1504.9	298.	0.1105E+03	1.535
320.	12.478	35.702	4.76	12.435	27.051	31.451	35.753	0.381	1504.6	317.	0.1092E+03	1.770

CTD10986



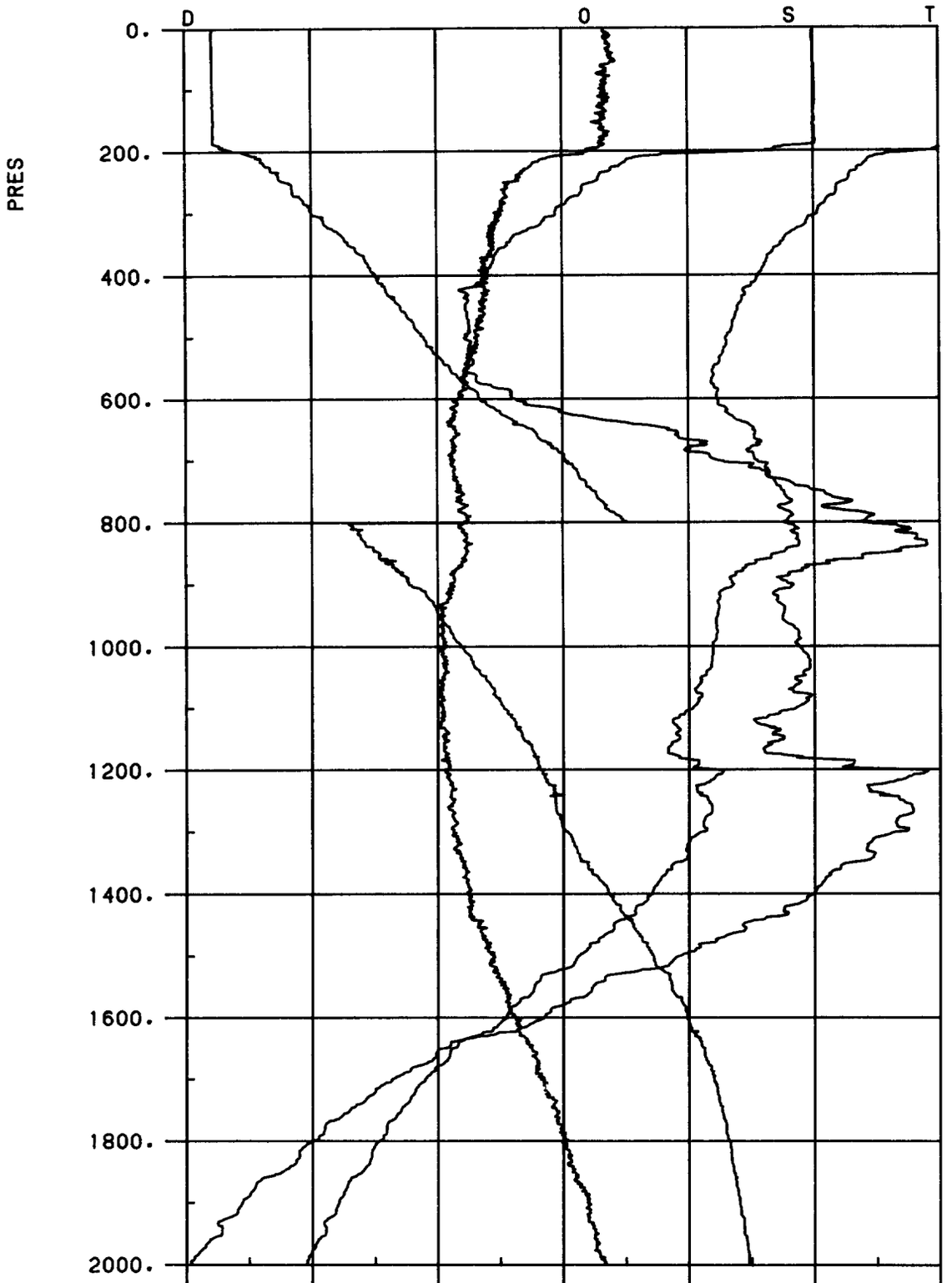
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD10986 Y 1984/58/0635 37 30.00N 11 31.30W

DISCOVERY 145 STATION 10986

P-DB	T-DEGC	SAL-PSU	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	15.273	36.204	15.272	26.841	31.184	35.431	0.012	1509.1	10.	0.1202E+03	-9.999
20.	15.270	36.204	15.267	26.842	31.186	35.433	0.024	1509.2	20.	0.1204E+03	0.617
40.	15.278	36.204	15.271	26.841	31.184	35.431	0.048	1509.6	40.	0.1212E+03	-0.453
60.	15.282	36.204	15.273	26.841	31.184	35.431	0.072	1509.9	60.	0.1219E+03	-0.246
80.	15.285	36.204	15.273	26.841	31.184	35.431	0.097	1510.3	79.	0.1226E+03	-0.049
100.	15.289	36.204	15.273	26.841	31.184	35.431	0.122	1510.6	99.	0.1233E+03	-0.131
120.	15.291	36.204	15.273	26.841	31.184	35.431	0.146	1511.0	119.	0.1240E+03	0.220
140.	15.294	36.204	15.272	26.841	31.184	35.431	0.171	1511.3	139.	0.1246E+03	0.086
160.	15.295	36.204	15.270	26.841	31.184	35.432	0.196	1511.6	159.	0.1253E+03	0.257
180.	15.299	36.204	15.271	26.841	31.184	35.431	0.221	1512.0	179.	0.1260E+03	-0.163
200.	14.894	36.114	14.863	26.862	31.214	35.469	0.246	1510.9	198.	0.1245E+03	1.905
220.	13.875	35.902	13.843	26.918	31.290	35.564	0.271	1507.8	218.	0.1194E+03	3.084
240.	13.740	35.881	13.706	26.931	31.305	35.583	0.294	1507.6	238.	0.1188E+03	1.453
260.	13.376	35.829	13.339	26.967	31.348	35.632	0.318	1506.7	258.	0.1159E+03	2.423
280.	13.110	35.794	13.071	26.995	31.382	35.671	0.341	1506.1	278.	0.1136E+03	2.171
300.	12.904	35.766	12.862	27.015	31.406	35.700	0.363	1505.7	298.	0.1122E+03	1.834
320.	12.691	35.738	12.647	27.036	31.432	35.730	0.386	1505.3	317.	0.1107E+03	1.891
340.	12.421	35.704	12.375	27.063	31.464	35.768	0.408	1504.7	337.	0.1085E+03	2.141
360.	12.253	35.687	12.205	27.084	31.488	35.795	0.429	1504.4	357.	0.1070E+03	1.837
380.	12.116	35.671	12.066	27.099	31.506	35.816	0.451	1504.3	377.	0.1061E+03	1.597
400.	11.889	35.633	11.837	27.113	31.525	35.840	0.472	1503.8	397.	0.1051E+03	1.611
450.	11.662	35.647	11.603	27.168	31.585	35.904	0.523	1503.9	446.	0.1011E+03	1.894
500.	11.417	35.644	11.352	27.213	31.635	35.959	0.573	1503.8	496.	0.9792E+02	1.733
550.	11.470	35.717	11.399	27.261	31.681	36.004	0.621	1504.9	545.	0.9481E+02	1.723

CTD10987



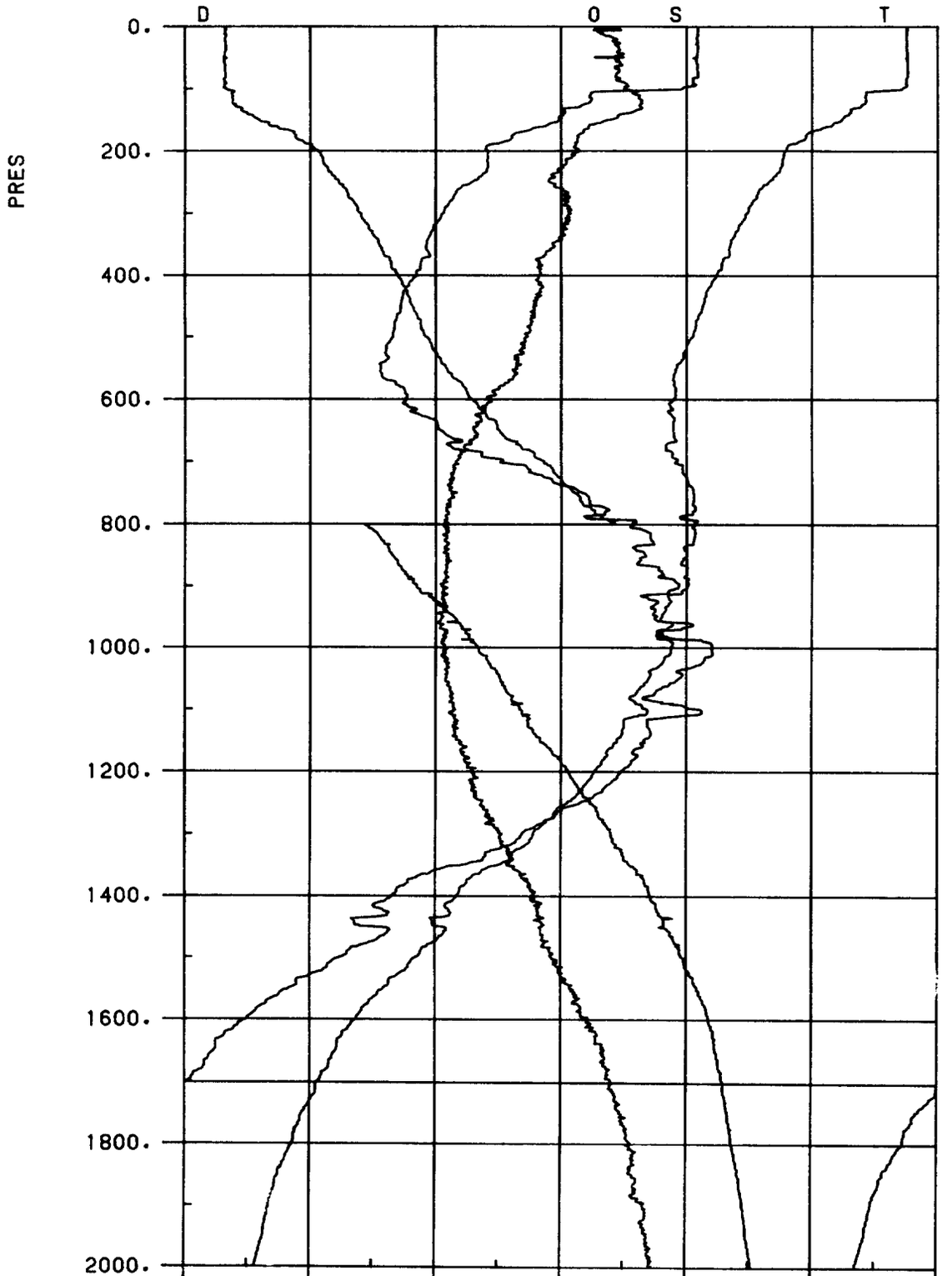
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD10987 AM 1984/58/0851 37 32.75N 11 32.09W

DISCOVERY 145 STATION 10987

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	15.247	36.199	5.37	15.245	26.843	31.186	35.434	0.012	1509.0	10.	0.1200E+03	-9.999
20.	15.249	36.199	5.36	15.246	26.843	31.187	35.434	0.024	1509.2	20.	0.1203E+03	0.277
40.	15.253	36.201	5.39	15.247	26.844	31.187	35.435	0.048	1509.5	40.	0.1210E+03	0.322
60.	15.259	36.202	5.33	15.250	26.844	31.188	35.435	0.072	1509.9	60.	0.1216E+03	0.240
80.	15.262	36.202	5.36	15.250	26.844	31.188	35.435	0.097	1510.2	79.	0.1223E+03	0.110
100.	15.266	36.202	5.33	15.250	26.845	31.188	35.436	0.121	1510.6	99.	0.1229E+03	0.202
120.	15.266	36.201	5.34	15.248	26.844	31.188	35.436	0.146	1510.9	119.	0.1236E+03	-0.144
140.	15.264	36.201	5.31	15.242	26.845	31.189	35.436	0.171	1511.2	139.	0.1242E+03	0.346
160.	15.271	36.202	5.32	15.246	26.845	31.188	35.436	0.196	1511.6	159.	0.1249E+03	-0.201
180.	15.278	36.203	5.32	15.250	26.845	31.188	35.436	0.221	1511.9	179.	0.1256E+03	0.101
200.	14.881	36.126	5.21	14.851	26.874	31.225	35.480	0.246	1510.9	198.	0.1234E+03	2.204
220.	13.817	35.896	4.77	13.785	26.926	31.298	35.574	0.270	1507.6	218.	0.1187E+03	2.982
240.	13.571	35.859	4.65	13.537	26.949	31.326	35.607	0.293	1507.1	238.	0.1170E+03	1.953
260.	13.371	35.832	4.55	13.334	26.970	31.352	35.636	0.316	1506.7	258.	0.1155E+03	1.872
280.	13.197	35.808	4.52	13.158	26.988	31.373	35.661	0.339	1506.4	278.	0.1143E+03	1.729
300.	13.062	35.790	4.49	13.020	27.002	31.389	35.680	0.362	1506.3	298.	0.1136E+03	1.507
320.	12.841	35.762	4.44	12.797	27.025	31.417	35.712	0.385	1505.8	317.	0.1118E+03	1.970
340.	12.540	35.720	4.44	12.493	27.053	31.451	35.753	0.407	1505.1	337.	0.1096E+03	2.184
360.	12.360	35.698	4.44	12.311	27.072	31.474	35.779	0.429	1504.8	357.	0.1082E+03	1.776
380.	12.233	35.689	4.37	12.183	27.090	31.495	35.802	0.450	1504.7	377.	0.1070E+03	1.742
400.	12.119	35.676	4.39	12.066	27.102	31.510	35.819	0.471	1504.6	397.	0.1063E+03	1.451
450.	11.794	35.646	4.38	11.735	27.142	31.557	35.873	0.524	1504.3	446.	0.1036E+03	1.651
500.	11.602	35.646	4.31	11.537	27.180	31.598	35.918	0.575	1504.5	496.	0.1013E+03	1.572
550.	11.398	35.649	4.23	11.327	27.221	31.644	35.968	0.625	1504.6	545.	0.9843E+02	1.670
600.	11.465	35.724	4.16	11.387	27.269	31.689	36.012	0.674	1505.8	595.	0.9538E+02	1.711
700.	12.090	36.048	4.12	11.995	27.405	31.812	36.120	0.764	1509.9	694.	0.8613E+02	2.004
800.	12.543	36.281	4.21	12.432	27.501	31.897	36.195	0.848	1513.4	793.	0.8071E+02	1.666
900.	11.709	36.164	4.11	11.588	27.573	31.987	36.302	0.926	1512.1	891.	0.7529E+02	1.662
1000.	11.386	36.176	4.07	11.254	27.646	32.066	36.388	0.998	1512.7	990.	0.7058E+02	1.578
1100.	11.063	36.171	4.04	10.920	27.703	32.130	36.459	1.067	1513.2	1089.	0.6716E+02	1.427
1200.	11.552	36.382	4.06	11.390	27.780	32.196	36.514	1.132	1516.8	1188.	0.6377E+02	1.427
1300.	11.211	36.334	4.13	11.039	27.809	32.232	36.557	1.196	1517.2	1286.	0.6289E+02	1.092
1400.	10.399	36.197	4.24	10.220	27.849	32.290	36.633	1.257	1515.9	1385.	0.5939E+02	1.427
1500.	9.242	35.983	4.45	9.063	27.879	32.347	36.715	1.314	1513.1	1483.	0.5535E+02	1.467
1600.	8.091	35.769	4.62	7.912	27.892	32.388	36.783	1.368	1510.2	1582.	0.5226E+02	1.324
1700.	6.803	35.528	4.84	6.628	27.887	32.414	36.840	1.419	1506.7	1681.	0.4971E+02	1.216
1800.	6.077	35.403	5.01	5.900	27.884	32.430	36.874	1.468	1505.3	1779.	0.4855E+02	0.966
1900.	5.422	35.289	5.20	5.244	27.875	32.438	36.899	1.516	1504.3	1877.	0.4791E+02	0.839
2000.	4.914	35.208	5.35	4.733	27.871	32.448	36.922	1.564	1503.8	1976.	0.4716E+02	0.833
2200.	4.243	35.121	5.49	4.051	27.877	32.472	36.963	1.656	1504.3	2172.	0.4546E+02	0.826
2400.	3.737	35.054	5.63	3.533	27.877	32.486	36.991	1.746	1505.5	2369.	0.4453E+02	0.711
2600.	3.382	35.012	5.65	3.165	27.879	32.498	37.013	1.835	1507.3	2565.	0.4388E+02	0.650
2800.	3.104	34.979	5.77	2.871	27.880	32.507	37.031	1.922	1509.5	2761.	0.4344E+02	0.602
3000.	2.929	34.961	5.78	2.680	27.883	32.515	37.043	2.009	1512.1	2957.	0.4341E+02	0.525
3500.	2.658	34.931	5.74	2.362	27.886	32.528	37.065	2.227	1519.4	3445.	0.4418E+02	0.449
4000.	2.516	34.912	5.73	2.168	27.887	32.534	37.077	2.451	1527.4	3933.	0.4574E+02	0.363
4500.	2.492	34.904	5.76	2.085	27.888	32.537	37.082	2.686	1535.9	4420.	0.4827E+02	0.248
5000.	2.536	34.902	5.76	2.065	27.888	32.537	37.083	2.935	1544.8	4905.	0.5148E+02	0.127

CTD10988



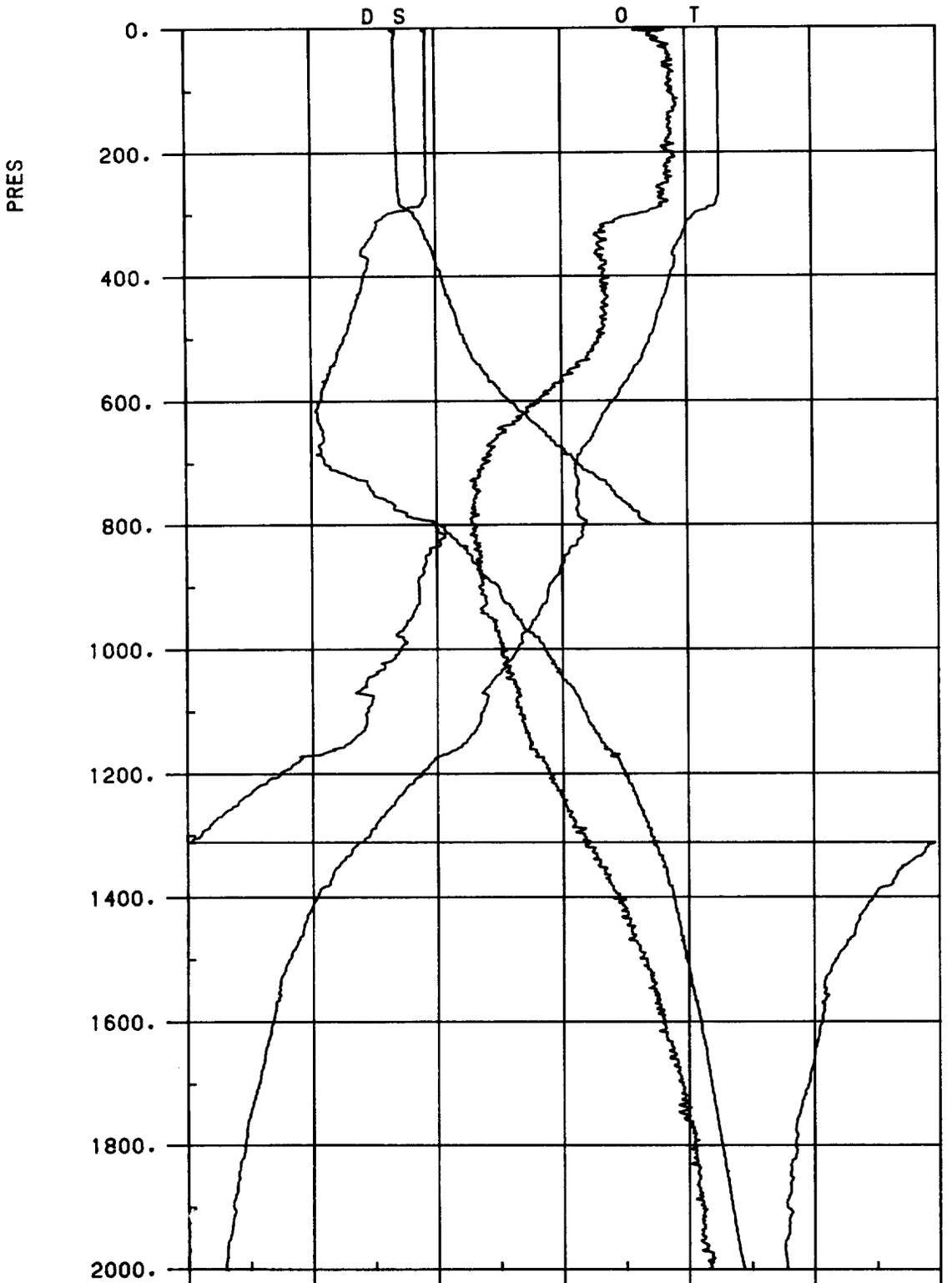
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD10988 P 1984/59/2329 40 14.52N 15 0.48W

DISCOVERY 145 STATION 10988

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	14.517	36.018	5.31	14.515	26.864	31.222	35.484	0.012	1506.5	10.	0.1180E+03	-9.999
20.	14.515	36.017	5.43	14.512	26.864	31.222	35.484	0.024	1506.6	20.	0.1183E+03	0.122
40.	14.518	36.018	5.46	14.512	26.865	31.223	35.485	0.047	1507.0	40.	0.1189E+03	0.250
60.	14.524	36.017	5.48	14.515	26.864	31.222	35.484	0.071	1507.3	60.	0.1197E+03	-0.374
80.	14.523	36.017	5.44	14.511	26.865	31.223	35.484	0.095	1507.7	79.	0.1202E+03	0.323
100.	14.415	35.987	5.52	14.400	26.865	31.226	35.490	0.119	1507.6	99.	0.1208E+03	0.369
120.	13.859	35.847	5.64	13.841	26.876	31.248	35.523	0.143	1506.0	119.	0.1203E+03	1.393
140.	13.594	35.805	5.52	13.574	26.900	31.277	35.557	0.167	1505.4	139.	0.1186E+03	1.958
160.	13.270	35.772	5.22	13.248	26.941	31.325	35.611	0.191	1504.6	159.	0.1152E+03	2.589
180.	12.896	35.721	5.13	12.871	26.978	31.369	35.663	0.213	1503.7	179.	0.1122E+03	2.457
200.	12.585	35.682	5.13	12.558	27.011	31.409	35.709	0.235	1502.9	198.	0.1095E+03	2.322
220.	12.536	35.684	5.04	12.506	27.022	31.421	35.722	0.257	1503.1	218.	0.1090E+03	1.334
240.	12.415	35.672	4.94	12.382	27.038	31.439	35.742	0.279	1503.0	238.	0.1081E+03	1.593
260.	12.188	35.638	5.00	12.154	27.056	31.462	35.770	0.300	1502.5	258.	0.1068E+03	1.755
280.	12.068	35.624	5.04	12.031	27.069	31.477	35.788	0.322	1502.4	278.	0.1061E+03	1.456
300.	11.960	35.612	5.07	11.921	27.080	31.491	35.804	0.343	1502.4	297.	0.1055E+03	1.391
320.	11.838	35.597	5.02	11.796	27.093	31.506	35.822	0.364	1502.3	317.	0.1048E+03	1.464
340.	11.731	35.588	5.00	11.687	27.106	31.522	35.840	0.385	1502.2	337.	0.1040E+03	1.504
360.	11.681	35.587	4.90	11.635	27.115	31.532	35.851	0.406	1502.4	357.	0.1036E+03	1.224
380.	11.565	35.576	4.82	11.516	27.129	31.548	35.869	0.426	1502.3	377.	0.1027E+03	1.526
400.	11.481	35.569	4.82	11.430	27.140	31.561	35.884	0.447	1502.3	397.	0.1022E+03	1.333
450.	11.259	35.544	4.79	11.202	27.163	31.589	35.916	0.498	1502.4	446.	0.1012E+03	1.256
500.	11.089	35.531	4.72	11.026	27.185	31.615	35.946	0.548	1502.6	496.	0.1002E+03	1.237
550.	10.835	35.512	4.64	10.766	27.218	31.653	35.989	0.597	1502.5	545.	0.9813E+02	1.494
600.	10.783	35.552	4.44	10.708	27.259	31.695	36.032	0.646	1503.2	595.	0.9547E+02	1.620
700.	10.835	35.706	4.16	10.746	27.372	31.807	36.142	0.738	1505.2	693.	0.8738E+02	1.886
800.	11.131	35.914	4.10	11.027	27.483	31.910	36.239	0.822	1508.1	792.	0.8003E+02	1.825
900.	11.016	35.987	4.06	10.900	27.563	31.992	36.323	0.899	1509.5	891.	0.7492E+02	1.608
1000.	10.759	36.041	4.07	10.631	27.654	32.088	36.424	0.971	1510.3	990.	0.6849E+02	1.739
1100.	10.363	36.018	4.15	10.225	27.709	32.152	36.496	1.038	1510.5	1089.	0.6501E+02	1.419
1200.	9.529	35.896	4.29	9.385	27.757	32.218	36.581	1.101	1509.1	1187.	0.6084E+02	1.483
1300.	8.556	35.738	4.52	8.409	27.791	32.275	36.659	1.160	1506.9	1286.	0.5719E+02	1.402
1400.	7.341	35.530	4.77	7.194	27.809	32.323	36.736	1.215	1503.8	1385.	0.5366E+02	1.358
1500.	6.692	35.450	4.92	6.541	27.837	32.367	36.795	1.267	1502.8	1483.	0.5066E+02	1.264
1600.	5.723	35.297	5.21	5.573	27.842	32.396	36.849	1.317	1500.5	1582.	0.4819E+02	1.165
1700.	5.121	35.204	5.40	4.967	27.841	32.412	36.880	1.364	1499.6	1680.	0.4719E+02	0.893
1800.	4.717	35.143	5.54	4.559	27.840	32.421	36.900	1.411	1499.5	1779.	0.4682E+02	0.740
1900.	4.340	35.094	5.66	4.177	27.842	32.434	36.922	1.458	1499.6	1877.	0.4598E+02	0.820
2000.	4.120	35.070	5.72	3.951	27.847	32.445	36.939	1.503	1500.3	1975.	0.4553E+02	0.720
2200.	3.742	35.034	5.79	3.559	27.859	32.467	36.972	1.594	1502.1	2172.	0.4441E+02	0.730
2400.	3.459	35.009	5.84	3.260	27.868	32.484	36.997	1.682	1504.2	2368.	0.4372E+02	0.658
2600.	3.200	34.986	5.88	2.986	27.875	32.499	37.019	1.768	1506.5	2564.	0.4306E+02	0.638
2800.	3.000	34.966	5.89	2.770	27.879	32.509	37.035	1.854	1509.0	2760.	0.4281E+02	0.565
3000.	2.848	34.954	5.88	2.600	27.884	32.519	37.049	1.939	1511.7	2956.	0.4267E+02	0.536
3500.	2.650	34.933	5.80	2.354	27.889	32.530	37.068	2.155	1519.4	3445.	0.4390E+02	0.407
4000.	2.554	34.919	5.80	2.204	27.890	32.536	37.078	2.380	1527.6	3932.	0.4584E+02	0.329
4500.	2.499	34.907	5.79	2.092	27.890	32.539	37.084	2.614	1536.0	4419.	0.4812E+02	0.282
5000.	2.521	34.902	5.85	2.051	27.889	32.540	37.085	2.862	1544.7	4904.	0.5115E+02	0.170

CTD10992



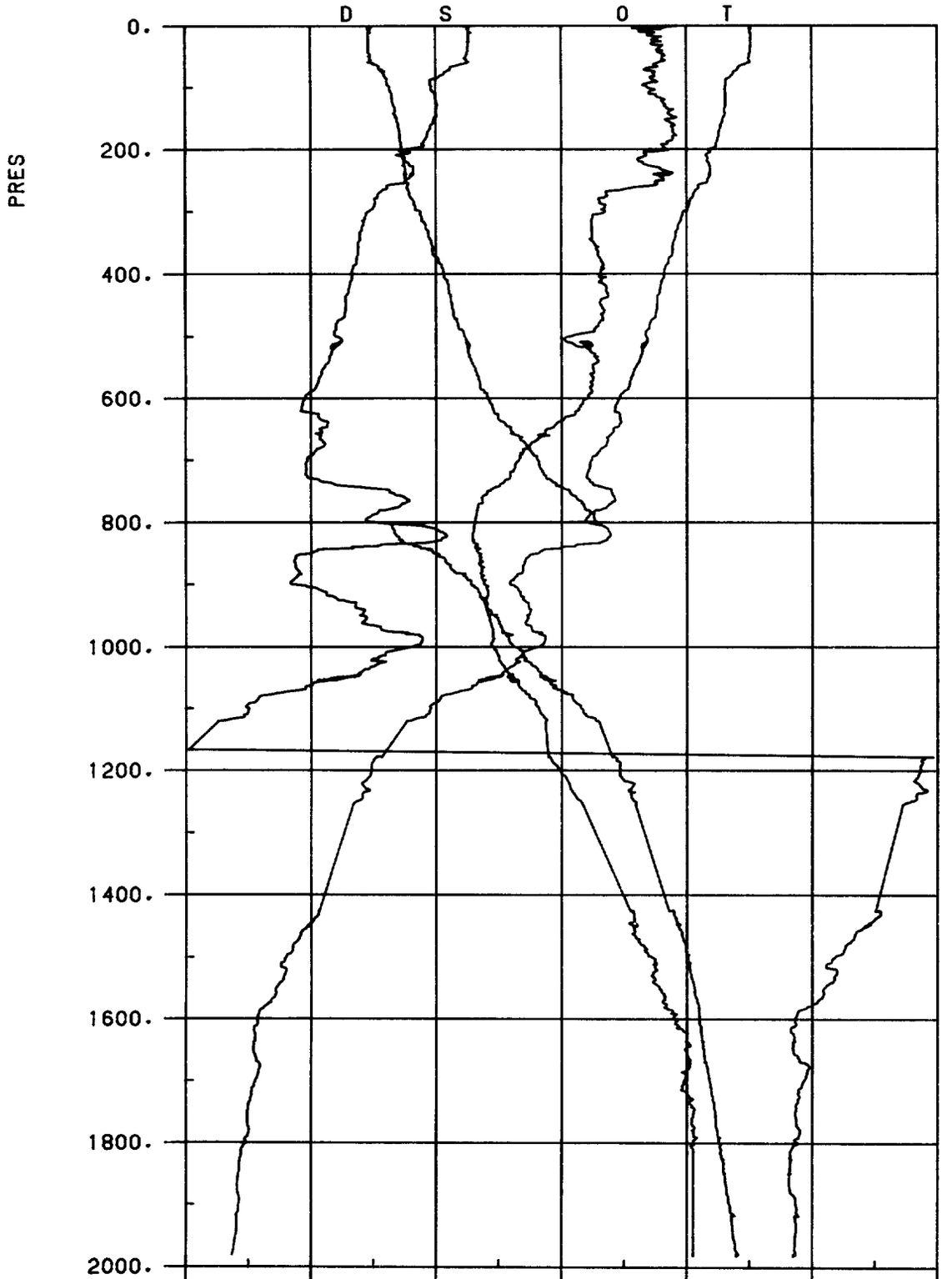
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD10992 J 1984/62/2359 46 52.80N 13 3.30W

DISCOVERY 145 STATION 10992

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	11.518	35.586	5.72	11.517	27.137	31.556	35.877	0.009	1496.0	10.	0.9209E+02	-9.999
20.	11.529	35.585	5.74	11.526	27.135	31.553	35.874	0.018	1496.2	20.	0.9256E+02	-0.825
40.	11.529	35.585	5.86	11.524	27.135	31.554	35.875	0.037	1496.6	40.	0.9306E+02	0.265
60.	11.531	35.586	5.85	11.523	27.135	31.554	35.875	0.056	1496.9	59.	0.9358E+02	0.203
80.	11.531	35.585	5.87	11.520	27.136	31.555	35.876	0.074	1497.2	79.	0.9408E+02	0.247
100.	11.533	35.586	5.88	11.520	27.136	31.555	35.876	0.093	1497.6	99.	0.9459E+02	0.220
120.	11.533	35.585	5.92	11.518	27.136	31.555	35.876	0.112	1497.9	119.	0.9512E+02	0.142
140.	11.529	35.585	5.87	11.512	27.137	31.556	35.878	0.131	1498.2	139.	0.9555E+02	0.439
160.	11.530	35.585	5.87	11.510	27.138	31.557	35.878	0.151	1498.5	159.	0.9606E+02	0.198
180.	11.533	35.585	5.85	11.510	27.138	31.557	35.878	0.170	1498.9	178.	0.9658E+02	0.177
200.	11.530	35.586	5.90	11.504	27.139	31.558	35.879	0.189	1499.2	198.	0.9701E+02	0.420
220.	11.527	35.585	5.84	11.499	27.140	31.559	35.880	0.209	1499.5	218.	0.9748E+02	0.349
240.	11.529	35.586	5.87	11.498	27.140	31.559	35.881	0.228	1499.9	238.	0.9797E+02	0.260
260.	11.528	35.586	5.81	11.495	27.141	31.560	35.882	0.248	1500.2	258.	0.9844E+02	0.337
280.	11.491	35.579	5.84	11.455	27.143	31.564	35.886	0.267	1500.4	277.	0.9871E+02	0.670
300.	11.132	35.522	5.60	11.094	27.165	31.594	35.923	0.287	1499.4	297.	0.9694E+02	1.959
320.	10.994	35.505	5.33	10.954	27.178	31.609	35.942	0.306	1499.2	317.	0.9621E+02	1.443
340.	10.904	35.494	5.34	10.862	27.186	31.619	35.954	0.326	1499.2	337.	0.9587E+02	1.188
360.	10.793	35.480	5.29	10.748	27.196	31.632	35.969	0.345	1499.2	357.	0.9535E+02	1.313
380.	10.810	35.491	5.36	10.763	27.201	31.637	35.973	0.364	1499.6	377.	0.9536E+02	0.913
400.	10.740	35.484	5.35	10.690	27.209	31.646	35.984	0.383	1499.6	396.	0.9505E+02	1.169
450.	10.588	35.470	5.35	10.533	27.227	31.667	36.008	0.430	1499.9	446.	0.9454E+02	1.085
500.	10.408	35.453	5.30	10.347	27.245	31.690	36.035	0.477	1500.1	495.	0.9380E+02	1.147
550.	10.148	35.431	5.07	10.082	27.275	31.725	36.076	0.524	1499.9	545.	0.9195E+02	1.432
600.	9.826	35.414	4.80	9.755	27.318	31.775	36.133	0.569	1499.6	594.	0.8871E+02	1.720
700.	9.222	35.422	4.39	9.142	27.426	31.896	36.267	0.653	1499.1	693.	0.7994E+02	1.923
800.	9.357	35.597	4.30	9.265	27.543	32.010	36.377	0.729	1501.4	792.	0.7139E+02	1.901
900.	8.786	35.572	4.34	8.685	27.617	32.097	36.476	0.797	1501.0	891.	0.6559E+02	1.638
1000.	8.282	35.541	4.53	8.172	27.673	32.164	36.555	0.861	1500.7	989.	0.6135E+02	1.456
1100.	7.729	35.489	4.67	7.612	27.716	32.221	36.625	0.921	1500.2	1088.	0.5794E+02	1.344
1200.	6.753	35.349	4.90	6.634	27.745	32.273	36.700	0.977	1497.9	1187.	0.5450E+02	1.326
1300.	5.912	35.221	5.17	5.791	27.754	32.304	36.752	1.030	1496.1	1285.	0.5265E+02	1.074
1400.	5.065	35.094	5.42	4.942	27.757	32.329	36.799	1.082	1494.2	1384.	0.5099E+02	1.013
1500.	4.623	35.034	5.65	4.496	27.760	32.344	36.825	1.133	1494.0	1482.	0.5032E+02	0.798
1600.	4.362	35.013	5.80	4.228	27.772	32.363	36.851	1.183	1494.6	1581.	0.4934E+02	0.847
1700.	4.134	34.991	5.95	3.993	27.780	32.377	36.871	1.232	1495.3	1679.	0.4873E+02	0.754
1800.	3.914	34.971	6.05	3.767	27.787	32.390	36.890	1.280	1496.0	1777.	0.4807E+02	0.755
1900.	3.733	34.958	6.12	3.579	27.796	32.404	36.909	1.328	1496.9	1876.	0.4737E+02	0.753
2000.	3.599	34.956	6.18	3.437	27.809	32.421	36.929	1.375	1498.0	1974.	0.4644E+02	0.796

CTD10993



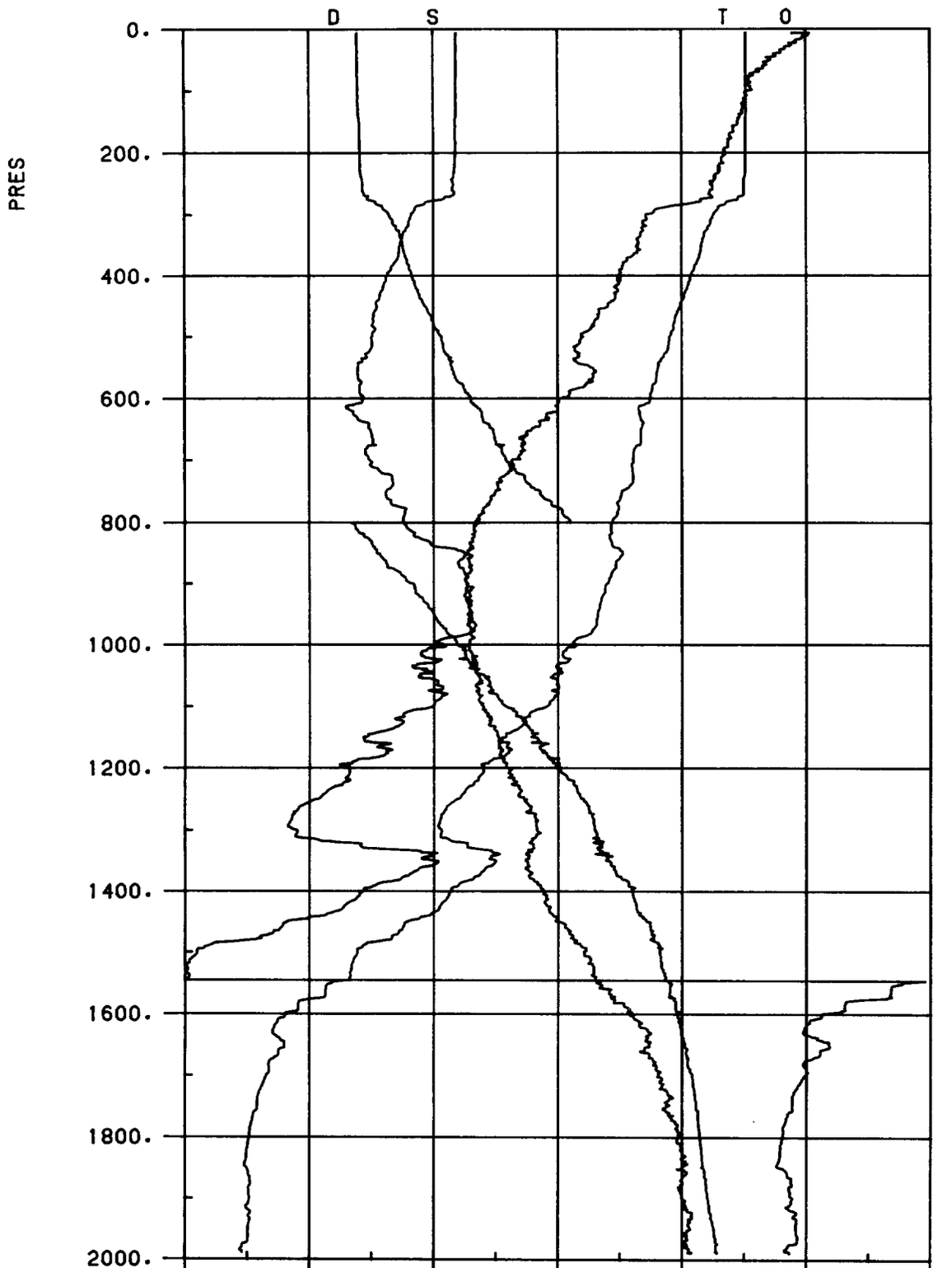
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD10993 S 1984/63/0449 46 29.50N 13 16.60W

DISCOVERY 145 STATION 10993

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.017	35.653	5.69	12.015	27.094	31.503	35.813	0.010	1497.8	10.	0.9615E+02	-9.999
20.	12.026	35.653	5.78	12.024	27.092	31.501	35.811	0.019	1498.0	20.	0.9660E+02	-0.748
40.	12.019	35.651	5.79	12.014	27.093	31.501	35.812	0.039	1498.3	40.	0.9709E+02	0.338
60.	11.990	35.649	5.77	11.982	27.097	31.506	35.818	0.058	1498.5	59.	0.9725E+02	0.817
80.	11.717	35.608	5.74	11.706	27.118	31.533	35.850	0.077	1497.9	79.	0.9576E+02	1.846
100.	11.614	35.593	5.69	11.601	27.126	31.544	35.863	0.096	1497.9	99.	0.9553E+02	1.134
120.	11.622	35.601	5.81	11.607	27.131	31.548	35.867	0.116	1498.2	119.	0.9561E+02	0.886
140.	11.605	35.600	5.86	11.588	27.135	31.552	35.872	0.135	1498.5	139.	0.9583E+02	0.730
160.	11.546	35.593	5.90	11.525	27.141	31.559	35.880	0.154	1498.6	159.	0.9579E+02	0.985
180.	11.503	35.585	5.90	11.480	27.143	31.563	35.885	0.173	1498.8	178.	0.9606E+02	0.671
200.	11.373	35.554	5.84	11.347	27.143	31.566	35.891	0.192	1498.6	198.	0.9651E+02	0.366
220.	11.340	35.553	5.64	11.313	27.149	31.573	35.898	0.212	1498.8	218.	0.9646E+02	0.985
240.	11.371	35.563	5.83	11.341	27.152	31.575	35.899	0.231	1499.3	238.	0.9678E+02	0.600
260.	11.189	35.522	5.65	11.157	27.154	31.581	35.910	0.250	1498.9	258.	0.9697E+02	0.746
280.	11.072	35.504	5.31	11.037	27.162	31.592	35.923	0.270	1498.8	278.	0.9670E+02	1.149
300.	10.946	35.491	5.34	10.909	27.175	31.607	35.941	0.289	1498.7	297.	0.9589E+02	1.487
320.	10.874	35.484	5.24	10.834	27.183	31.617	35.952	0.308	1498.8	317.	0.9559E+02	1.167
340.	10.819	35.479	5.25	10.777	27.189	31.624	35.961	0.327	1498.9	337.	0.9549E+02	1.007
360.	10.779	35.476	5.29	10.735	27.195	31.631	35.968	0.346	1499.1	357.	0.9546E+02	0.945
380.	10.713	35.473	5.32	10.667	27.205	31.642	35.981	0.365	1499.2	377.	0.9494E+02	1.306
400.	10.643	35.466	5.32	10.594	27.212	31.651	35.992	0.384	1499.3	396.	0.9469E+02	1.121
450.	10.528	35.456	5.32	10.473	27.226	31.668	36.010	0.431	1499.7	446.	0.9453E+02	0.967
500.	10.363	35.443	5.06	10.302	27.246	31.691	36.038	0.479	1499.9	495.	0.9369E+02	1.178
550.	10.177	35.421	5.25	10.111	27.262	31.711	36.062	0.525	1500.0	545.	0.9319E+02	1.067
600.	9.916	35.390	5.20	9.845	27.284	31.739	36.095	0.572	1499.9	594.	0.9201E+02	1.259
700.	9.475	35.394	4.66	9.393	27.363	31.828	36.193	0.661	1500.0	693.	0.8626E+02	1.641
800.	9.457	35.514	4.31	9.364	27.462	31.927	36.292	0.745	1501.7	792.	0.7917E+02	1.770
900.	8.210	35.378	4.39	8.113	27.554	32.048	36.441	0.819	1498.6	891.	0.7033E+02	1.919
1000.	8.613	35.560	4.45	8.501	27.637	32.121	36.504	0.887	1502.0	989.	0.6545E+02	1.525
1100.	6.910	35.299	4.82	6.801	27.683	32.208	36.631	0.949	1496.8	1088.	0.5899E+02	1.676
1200.	5.961	35.172	4.99	5.850	27.708	32.257	36.704	1.006	1494.6	1187.	0.5564E+02	1.290
1300.	-9.999	-9.999	-9.99	-9.999	-9.999	-9.999	-9.999	-9.999	-999.9	1285.	-0.9999E+03	-9.999
1400.	-9.999	-9.999	-9.99	-9.999	-9.999	-9.999	-9.999	-9.999	-999.9	1384.	-0.9999E+03	-9.999
1500.	4.596	35.035	5.72	4.469	27.764	32.348	36.830	1.164	1493.9	1482.	0.4987E+02	1.046
1600.	4.142	34.973	5.90	4.010	27.764	32.361	36.854	1.213	1493.6	1581.	0.4922E+02	0.771
1700.	4.110	34.986	5.98	3.970	27.779	32.376	36.871	1.262	1495.2	1679.	0.4873E+02	0.721
1800.	3.948	34.976	6.05	3.801	27.788	32.390	36.889	1.311	1496.2	1777.	0.4820E+02	0.725
1900.	3.835	34.974	6.05	3.679	27.799	32.404	36.907	1.359	1497.4	1876.	0.4758E+02	0.738

CTD10994



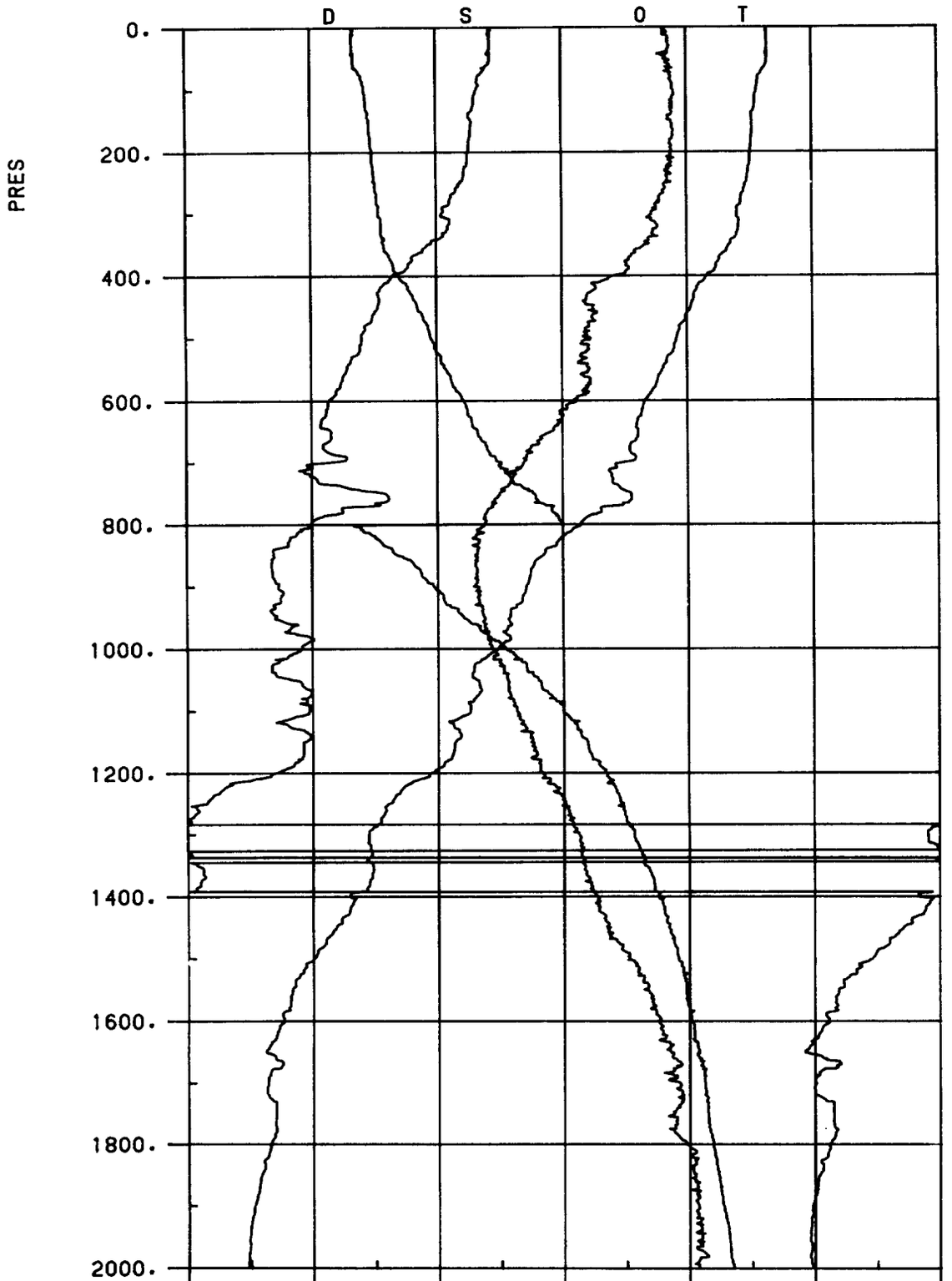
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD10994 K 1984/63/1257 45 41.70N 13 44.30W

DISCOVERY 145 STATION 10994

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.036	35.637	7.01	12.035	27.078	31.486	35.797	0.010	1497.9	10.	0.9767E+02	-9.999
20.	12.035	35.637	6.92	12.033	27.078	31.486	35.797	0.020	1498.0	20.	0.9795E+02	0.156
40.	12.036	35.637	6.77	12.031	27.079	31.487	35.798	0.039	1498.4	40.	0.9843E+02	0.351
60.	12.038	35.637	6.67	12.030	27.079	31.487	35.798	0.059	1498.7	60.	0.9898E+02	0.177
80.	12.037	35.637	6.53	12.026	27.079	31.488	35.798	0.079	1499.0	79.	0.9950E+02	0.247
100.	12.039	35.637	6.54	12.026	27.079	31.488	35.798	0.099	1499.4	99.	0.1001E+03	0.000
120.	12.041	35.637	6.50	12.026	27.079	31.488	35.798	0.119	1499.7	119.	0.1006E+03	0.121
140.	12.037	35.636	6.47	12.019	27.081	31.489	35.800	0.139	1500.0	139.	0.1011E+03	0.422
160.	12.029	35.635	6.41	12.008	27.082	31.491	35.802	0.159	1500.3	159.	0.1015E+03	0.455
180.	12.030	35.636	6.38	12.007	27.082	31.491	35.802	0.180	1500.7	178.	0.1020E+03	0.274
200.	12.030	35.635	6.35	12.004	27.083	31.492	35.803	0.200	1501.0	198.	0.1025E+03	0.276
220.	12.029	35.635	6.30	12.000	27.083	31.492	35.803	0.221	1501.3	218.	0.1031E+03	0.196
240.	12.010	35.632	6.27	11.979	27.085	31.495	35.806	0.241	1501.6	238.	0.1034E+03	0.611
260.	11.999	35.631	6.24	11.965	27.087	31.496	35.808	0.262	1501.9	258.	0.1038E+03	0.479
280.	11.732	35.591	6.12	11.696	27.107	31.522	35.839	0.283	1501.2	278.	0.1023E+03	1.845
300.	11.512	35.565	5.74	11.473	27.128	31.549	35.870	0.303	1500.8	297.	0.1007E+03	1.915
320.	11.424	35.558	5.69	11.383	27.140	31.562	35.886	0.323	1500.8	317.	0.1000E+03	1.405
340.	11.338	35.549	5.65	11.295	27.150	31.573	35.899	0.343	1500.8	337.	0.9962E+02	1.244
360.	11.303	35.545	5.65	11.257	27.154	31.578	35.905	0.363	1501.0	357.	0.9972E+02	0.836
380.	11.243	35.538	5.53	11.195	27.159	31.585	35.913	0.383	1501.1	377.	0.9969E+02	0.965
400.	11.149	35.525	5.50	11.099	27.167	31.595	35.924	0.403	1501.1	396.	0.9941E+02	1.159
450.	10.975	35.510	5.40	10.919	27.188	31.620	35.953	0.452	1501.3	446.	0.9855E+02	1.198
500.	10.809	35.501	5.20	10.747	27.213	31.648	35.985	0.501	1501.6	495.	0.9732E+02	1.293
550.	10.619	35.479	5.27	10.551	27.230	31.670	36.011	0.550	1501.7	545.	0.9669E+02	1.122
600.	10.491	35.488	5.04	10.418	27.260	31.703	36.047	0.598	1502.1	594.	0.9492E+02	1.419
700.	10.223	35.497	4.66	10.138	27.317	31.765	36.115	0.691	1502.8	693.	0.9166E+02	1.381
800.	9.876	35.552	4.35	9.781	27.421	31.877	36.234	0.779	1503.3	792.	0.8367E+02	1.864
900.	9.801	35.654	4.27	9.693	27.516	31.973	36.330	0.859	1504.8	891.	0.7703E+02	1.736
1000.	9.289	35.616	4.28	9.173	27.573	32.041	36.410	0.934	1504.5	989.	0.7289E+02	1.467
1100.	8.832	35.599	4.39	8.707	27.635	32.114	36.493	1.005	1504.5	1088.	0.6823E+02	1.515
1200.	7.808	35.464	4.60	7.679	27.687	32.190	36.592	1.070	1502.1	1187.	0.6276E+02	1.587
1300.	7.120	35.377	4.83	6.986	27.718	32.238	36.657	1.131	1501.1	1285.	0.5969E+02	1.284
1400.	7.273	35.486	4.88	7.127	27.785	32.300	36.715	1.189	1503.4	1384.	0.5574E+02	1.388
1500.	5.776	35.219	5.22	5.636	27.773	32.326	36.778	1.243	1498.9	1482.	0.5336E+02	1.161
1600.	4.617	35.029	5.59	4.480	27.758	32.342	36.823	1.296	1495.6	1581.	0.5166E+02	1.007
1700.	4.304	34.997	5.81	4.161	27.766	32.359	36.849	1.347	1496.0	1679.	0.5066E+02	0.848
1800.	4.033	34.962	5.97	3.884	27.768	32.368	36.865	1.398	1496.5	1778.	0.5038E+02	0.673
1900.	4.036	34.977	6.00	3.878	27.780	32.381	36.878	1.448	1498.2	1876.	0.5021E+02	0.635

CTD10996



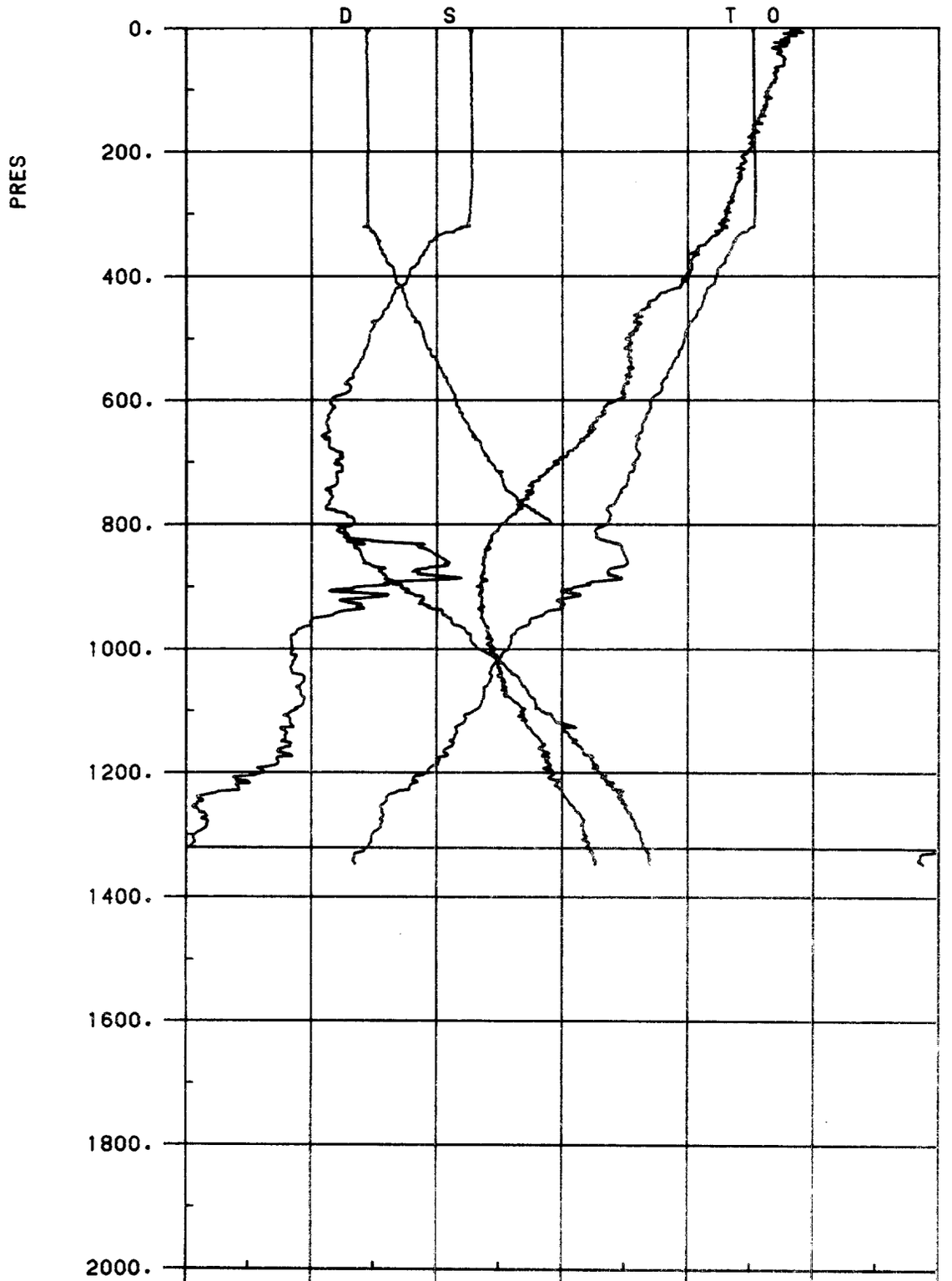
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD10996 Q 1984/63/2144 46 0.60N 14 5.40W

DISCOVERY 145 STATION 10996

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.287	35.685	5.82	12.285	27.067	31.469	35.775	0.010	1498.8	10.	0.9877E+02	-9.999
20.	12.292	35.687	5.86	12.290	27.067	31.470	35.775	0.020	1499.0	20.	0.9900E+02	0.410
40.	12.287	35.684	5.83	12.281	27.067	31.470	35.775	0.040	1499.3	40.	0.9960E+02	-0.201
60.	12.267	35.682	5.87	12.259	27.070	31.473	35.779	0.060	1499.5	59.	0.9989E+02	0.683
80.	12.149	35.667	5.87	12.138	27.081	31.487	35.796	0.079	1499.4	79.	0.9931E+02	1.381
100.	12.118	35.665	5.90	12.105	27.086	31.493	35.802	0.099	1499.7	99.	0.9944E+02	0.854
120.	12.091	35.661	5.88	12.075	27.088	31.496	35.805	0.119	1499.9	119.	0.9977E+02	0.627
140.	12.045	35.653	5.87	12.027	27.092	31.500	35.811	0.139	1500.1	139.	0.1000E+03	0.736
160.	12.050	35.656	5.89	12.029	27.094	31.502	35.813	0.159	1500.4	159.	0.1004E+03	0.592
180.	12.032	35.653	5.88	12.008	27.096	31.505	35.815	0.179	1500.7	178.	0.1007E+03	0.558
200.	12.015	35.651	5.87	11.989	27.098	31.507	35.818	0.200	1500.9	198.	0.1011E+03	0.567
220.	12.000	35.649	5.86	11.971	27.100	31.509	35.821	0.220	1501.2	218.	0.1015E+03	0.526
240.	11.969	35.643	5.84	11.938	27.102	31.512	35.824	0.240	1501.4	238.	0.1018E+03	0.594
260.	11.913	35.632	5.82	11.879	27.104	31.515	35.829	0.261	1501.6	258.	0.1021E+03	0.621
280.	11.861	35.621	5.78	11.825	27.106	31.518	35.833	0.281	1501.7	278.	0.1025E+03	0.627
300.	11.799	35.609	5.72	11.760	27.108	31.522	35.838	0.302	1501.8	297.	0.1027E+03	0.686
320.	11.821	35.619	5.77	11.780	27.113	31.526	35.842	0.322	1502.2	317.	0.1029E+03	0.797
340.	11.750	35.605	5.70	11.705	27.116	31.531	35.848	0.343	1502.3	337.	0.1031E+03	0.780
360.	11.623	35.578	5.58	11.576	27.119	31.537	35.857	0.363	1502.2	357.	0.1032E+03	0.841
380.	11.474	35.556	5.51	11.426	27.131	31.552	35.875	0.384	1502.0	377.	0.1025E+03	1.419
400.	11.313	35.530	5.42	11.263	27.141	31.565	35.892	0.404	1501.7	396.	0.1020E+03	1.321
450.	11.058	35.506	5.25	11.002	27.170	31.600	35.932	0.455	1501.6	446.	0.1003E+03	1.422
500.	10.832	35.480	5.22	10.770	27.192	31.627	35.964	0.505	1501.6	495.	0.9928E+02	1.235
550.	10.603	35.456	5.21	10.535	27.215	31.656	35.997	0.554	1501.6	545.	0.9807E+02	1.282
600.	10.319	35.427	5.10	10.246	27.243	31.690	36.038	0.603	1501.4	594.	0.9630E+02	1.416
700.	9.919	35.411	4.69	9.836	27.302	31.757	36.113	0.698	1501.6	693.	0.9264E+02	1.422
800.	9.283	35.398	4.37	9.191	27.399	31.869	36.239	0.787	1500.9	792.	0.8473E+02	1.848
900.	8.412	35.346	4.31	8.313	27.498	31.987	36.377	0.867	1499.3	891.	0.7594E+02	1.914
1000.	7.950	35.382	4.43	7.843	27.597	32.097	36.497	0.939	1499.3	989.	0.6763E+02	1.859
1100.	7.516	35.394	4.63	7.401	27.673	32.183	36.592	1.003	1499.3	1088.	0.6147E+02	1.645
1200.	6.900	35.342	4.83	6.780	27.719	32.244	36.668	1.062	1498.5	1187.	0.5727E+02	1.419
1300.	5.892	35.181	5.12	5.771	27.725	32.276	36.725	1.119	1496.0	1285.	0.5529E+02	1.096
1400.	5.607	35.172	5.27	5.479	27.754	32.312	36.768	1.173	1496.5	1384.	0.5309E+02	1.107
1500.	5.006	35.090	5.52	4.875	27.761	32.335	36.806	1.225	1495.6	1482.	0.5164E+02	0.968
1600.	4.525	35.023	5.76	4.389	27.763	32.349	36.833	1.276	1495.3	1581.	0.5084E+02	0.822
1700.	4.281	35.002	5.92	4.139	27.773	32.366	36.857	1.327	1495.9	1679.	0.4995E+02	0.824
1800.	4.314	35.023	5.98	4.162	27.788	32.380	36.870	1.377	1497.7	1778.	0.4981E+02	0.643
1900.	4.054	34.996	6.07	3.895	27.794	32.394	36.890	1.426	1498.3	1876.	0.4906E+02	0.784
2000.	3.952	34.996	6.08	3.785	27.806	32.408	36.908	1.475	1499.6	1974.	0.4846E+02	0.741

CTD10997



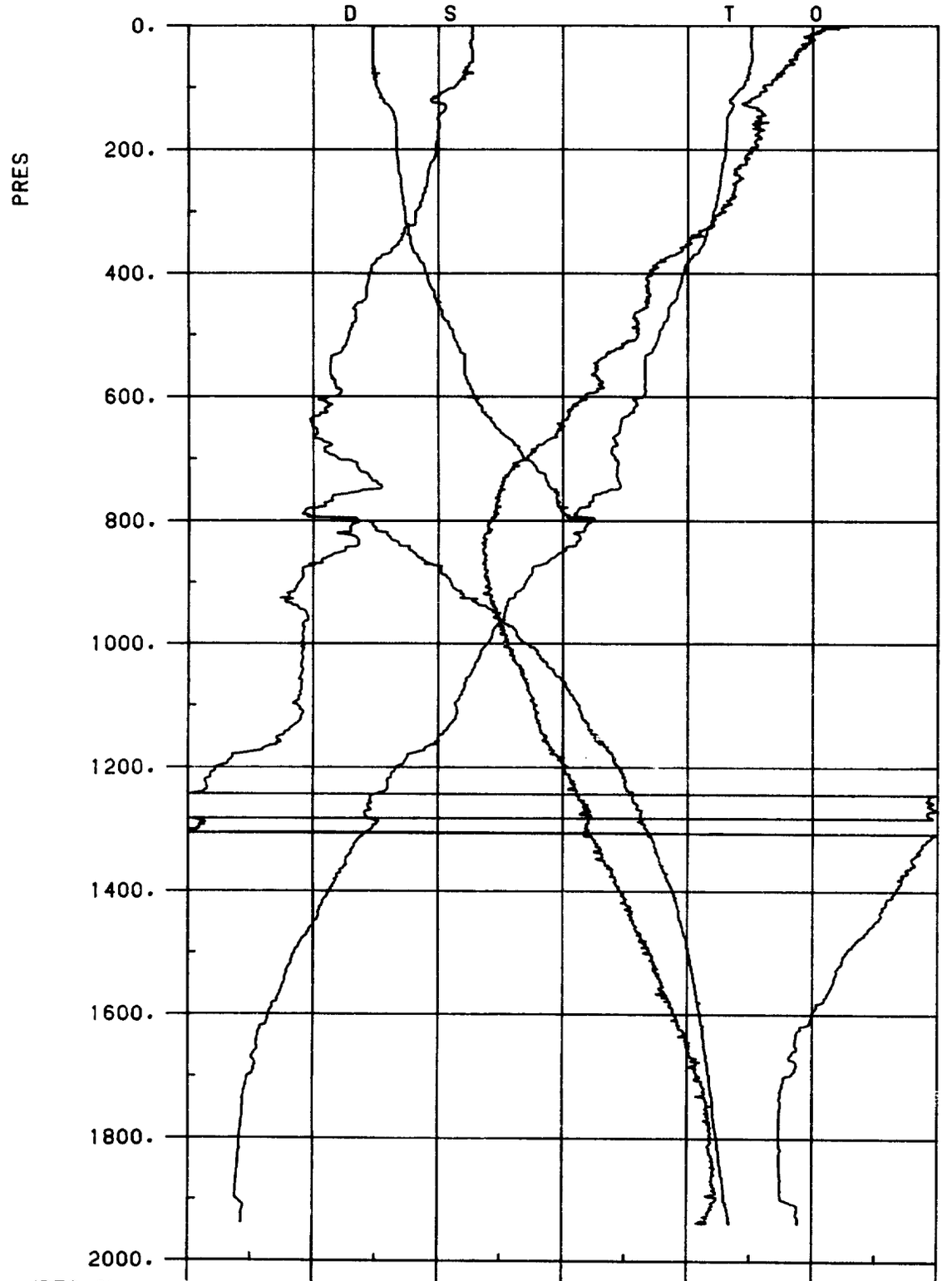
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD10997 Q 1984/63/2314 46 19.30N 14 28.80W

DISCOVERY 145 STATION 10997

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.053	35.655	6.83	12.051	27.089	31.497	35.807	0.010	1497.9	10.	0.9663E+02	-9.999
20.	12.055	35.655	6.77	12.052	27.089	31.497	35.807	0.019	1498.1	20.	0.9692E+02	-0.121
40.	12.057	35.655	6.73	12.052	27.089	31.497	35.807	0.039	1498.5	40.	0.9748E+02	-0.085
60.	12.057	35.656	6.77	12.049	27.089	31.497	35.807	0.058	1498.8	59.	0.9798E+02	0.319
80.	12.062	35.656	6.70	12.051	27.089	31.497	35.807	0.078	1499.1	79.	0.9856E+02	-0.171
100.	12.063	35.656	6.65	12.050	27.090	31.498	35.808	0.098	1499.5	99.	0.9908E+02	0.270
120.	12.063	35.656	6.63	12.047	27.090	31.498	35.808	0.118	1499.8	119.	0.9958E+02	0.315
140.	12.064	35.656	6.59	12.046	27.091	31.499	35.809	0.138	1500.1	139.	0.1001E+03	0.270
160.	12.067	35.656	6.53	12.046	27.091	31.499	35.809	0.158	1500.5	159.	0.1007E+03	-0.155
180.	12.070	35.657	6.51	12.046	27.091	31.499	35.809	0.178	1500.8	178.	0.1012E+03	0.220
200.	12.071	35.657	6.48	12.045	27.092	31.500	35.810	0.198	1501.1	198.	0.1017E+03	0.303
220.	12.077	35.656	6.44	12.048	27.090	31.498	35.808	0.219	1501.5	218.	0.1024E+03	-0.457
240.	12.084	35.657	6.42	12.052	27.090	31.498	35.808	0.239	1501.8	238.	0.1030E+03	-0.178
260.	12.082	35.656	6.38	12.048	27.090	31.498	35.808	0.260	1502.2	258.	0.1035E+03	0.221
280.	12.075	35.654	6.35	12.038	27.090	31.499	35.809	0.280	1502.5	278.	0.1040E+03	0.143
300.	12.074	35.654	6.32	12.035	27.091	31.499	35.809	0.301	1502.8	297.	0.1046E+03	0.274
320.	12.064	35.648	6.29	12.022	27.089	31.498	35.808	0.322	1503.1	317.	0.1053E+03	-0.512
340.	11.772	35.597	6.18	11.728	27.106	31.520	35.837	0.343	1502.4	337.	0.1040E+03	1.719
360.	11.670	35.581	6.07	11.623	27.113	31.530	35.849	0.364	1502.3	357.	0.1038E+03	1.133
380.	11.570	35.569	6.03	11.521	27.123	31.542	35.863	0.385	1502.3	377.	0.1033E+03	1.307
400.	11.455	35.555	5.98	11.403	27.134	31.556	35.879	0.405	1502.2	396.	0.1027E+03	1.374
450.	11.206	35.521	5.67	11.149	27.154	31.582	35.910	0.456	1502.1	446.	0.1019E+03	1.200
500.	10.945	35.492	5.52	10.883	27.180	31.613	35.947	0.507	1502.0	495.	0.1005E+03	1.347
550.	10.707	35.470	5.55	10.639	27.207	31.645	35.985	0.557	1502.0	545.	0.9895E+02	1.366
600.	10.420	35.432	5.44	10.346	27.230	31.674	36.020	0.606	1501.7	594.	0.9773E+02	1.282
700.	10.149	35.441	4.94	10.065	27.286	31.736	36.088	0.702	1502.4	693.	0.9444E+02	1.381
800.	9.698	35.466	4.52	9.603	27.384	31.844	36.205	0.794	1502.5	792.	0.8684E+02	1.825
900.	9.239	35.485	4.35	9.135	27.476	31.946	36.317	0.877	1502.5	891.	0.7962E+02	1.783
1000.	8.141	35.369	4.45	8.033	27.559	32.055	36.450	0.952	1500.0	989.	0.7161E+02	1.842
1100.	7.604	35.372	4.69	7.489	27.642	32.151	36.558	1.019	1499.6	1088.	0.6449E+02	1.743
1200.	6.858	35.322	4.92	6.738	27.709	32.235	36.660	1.080	1498.3	1187.	0.5809E+02	1.659
1300.	5.971	35.213	5.18	5.849	27.741	32.289	36.736	1.135	1496.4	1285.	0.5408E+02	1.374

CTD10998



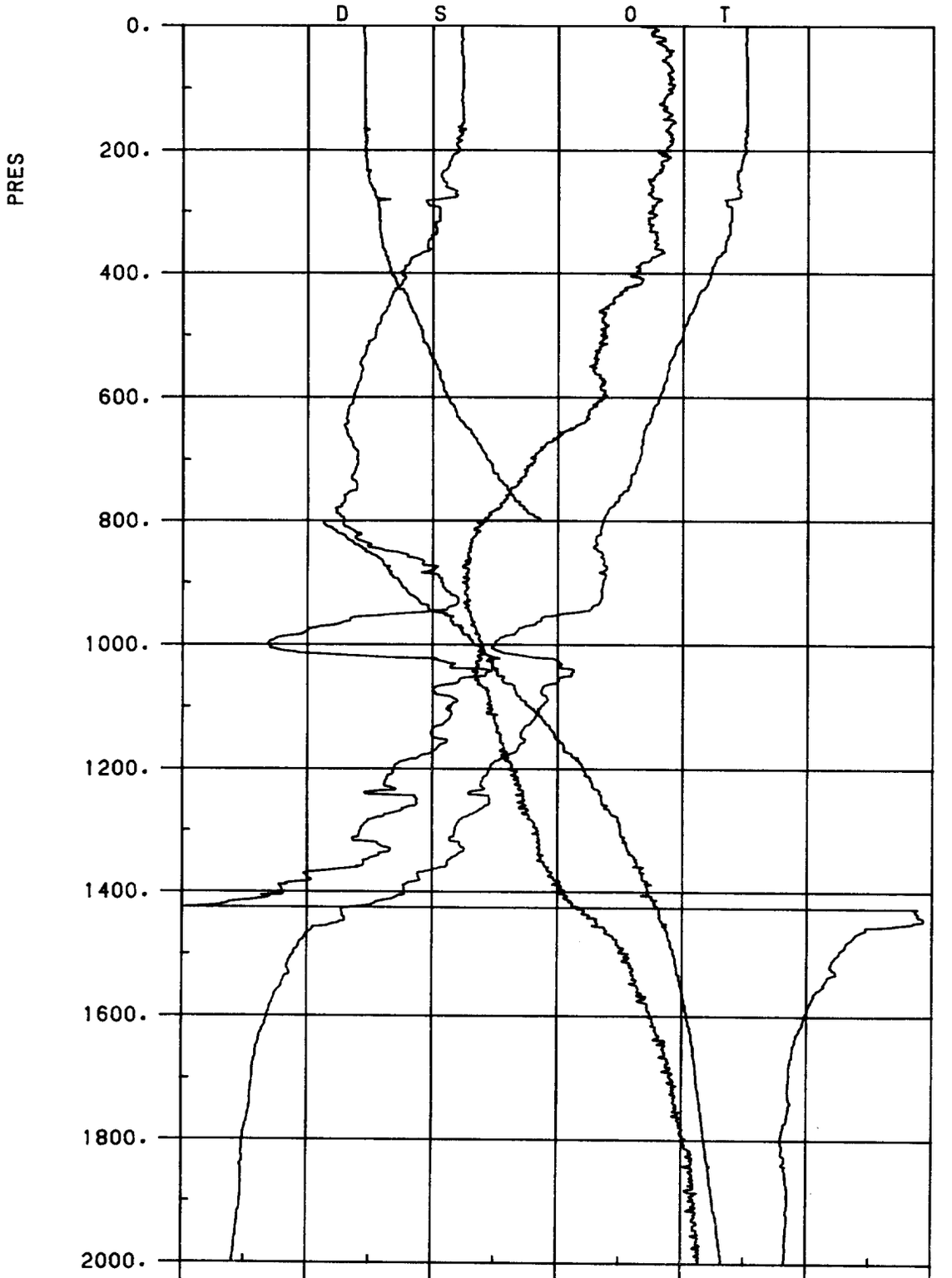
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD10998 J 1984/64/0626 46 22.90N 13 52.40W

DISCOVERY 145 STATION 10998

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.015	35.654	7.05	12.013	27.096	31.504	35.815	0.010	1497.8	10.	0.9600E+02	-9.999
20.	12.021	35.655	6.96	12.019	27.095	31.504	35.814	0.019	1498.0	20.	0.9633E+02	-0.394
40.	12.024	35.655	6.88	12.018	27.095	31.503	35.814	0.039	1498.3	40.	0.9691E+02	-0.197
60.	12.009	35.651	6.83	12.001	27.096	31.504	35.815	0.058	1498.6	59.	0.9740E+02	0.347
80.	11.959	35.643	6.72	11.948	27.099	31.509	35.821	0.077	1498.8	79.	0.9762E+02	0.747
100.	11.862	35.623	6.61	11.849	27.103	31.515	35.829	0.097	1498.7	99.	0.9781E+02	0.787
120.	11.678	35.589	6.50	11.663	27.112	31.528	35.846	0.117	1498.4	119.	0.9744E+02	1.238
140.	11.669	35.607	6.59	11.651	27.128	31.544	35.862	0.136	1498.7	139.	0.9648E+02	1.583
160.	11.624	35.601	6.54	11.604	27.132	31.550	35.869	0.155	1498.9	159.	0.9658E+02	0.860
180.	11.616	35.600	6.57	11.593	27.133	31.551	35.870	0.175	1499.2	178.	0.9703E+02	0.387
200.	11.600	35.596	6.51	11.574	27.134	31.552	35.871	0.194	1499.5	198.	0.9752E+02	0.305
220.	11.560	35.589	6.46	11.531	27.136	31.555	35.876	0.214	1499.6	218.	0.9779E+02	0.666
240.	11.529	35.584	6.38	11.498	27.139	31.558	35.879	0.233	1499.9	238.	0.9811E+02	0.604
260.	11.504	35.581	6.37	11.470	27.141	31.561	35.883	0.253	1500.1	258.	0.9836E+02	0.693
280.	11.466	35.575	6.34	11.430	27.144	31.565	35.888	0.273	1500.3	278.	0.9860E+02	0.704
300.	11.406	35.564	6.27	11.367	27.148	31.570	35.894	0.292	1500.4	297.	0.9879E+02	0.759
320.	11.383	35.561	6.20	11.342	27.150	31.573	35.897	0.312	1500.7	317.	0.9906E+02	0.649
340.	11.282	35.543	6.06	11.239	27.155	31.580	35.907	0.332	1500.6	337.	0.9906E+02	0.944
360.	11.192	35.527	5.95	11.147	27.159	31.586	35.915	0.352	1500.6	357.	0.9910E+02	0.897
380.	11.018	35.501	5.79	10.970	27.171	31.602	35.935	0.371	1500.3	377.	0.9834E+02	1.462
400.	10.921	35.490	5.70	10.871	27.181	31.614	35.948	0.391	1500.3	396.	0.9789E+02	1.270
450.	10.739	35.470	5.67	10.683	27.199	31.636	35.975	0.440	1500.4	446.	0.9724E+02	1.130
500.	10.543	35.457	5.60	10.482	27.225	31.666	36.009	0.488	1500.6	495.	0.9588E+02	1.321
550.	10.320	35.428	5.27	10.253	27.243	31.689	36.037	0.536	1500.6	545.	0.9517E+02	1.136
600.	10.251	35.427	5.16	10.179	27.255	31.703	36.052	0.583	1501.1	594.	0.9510E+02	0.926
700.	9.856	35.448	4.69	9.773	27.341	31.798	36.155	0.675	1501.4	693.	0.8884E+02	1.700
800.	9.416	35.467	4.42	9.323	27.431	31.897	36.264	0.761	1501.5	792.	0.8196E+02	1.753
900.	8.404	35.378	4.41	8.306	27.524	32.013	36.403	0.839	1499.3	891.	0.7350E+02	1.886
1000.	7.794	35.384	4.55	7.689	27.623	32.126	36.529	0.908	1498.7	989.	0.6493E+02	1.882
1100.	7.279	35.373	4.77	7.167	27.690	32.205	36.620	0.969	1498.3	1088.	0.5928E+02	1.588
1200.	6.334	35.245	5.02	6.219	27.718	32.258	36.695	1.027	1496.2	1187.	0.5575E+02	1.325
1300.	5.914	35.213	5.19	5.793	27.748	32.298	36.746	1.082	1496.1	1285.	0.5325E+02	1.165
1400.	5.256	35.132	5.46	5.131	27.765	32.332	36.796	1.134	1495.0	1384.	0.5092E+02	1.121
1500.	4.693	35.053	5.69	4.565	27.767	32.349	36.828	1.184	1494.3	1482.	0.4994E+02	0.867
1600.	4.279	34.998	5.90	4.147	27.769	32.362	36.852	1.234	1494.2	1581.	0.4927E+02	0.781
1700.	3.957	34.957	6.08	3.819	27.771	32.373	36.872	1.283	1494.5	1679.	0.4880E+02	0.716
1800.	3.816	34.946	6.18	3.670	27.777	32.383	36.886	1.331	1495.6	1778.	0.4853E+02	0.653
1900.	3.790	34.955	6.22	3.635	27.788	32.394	36.898	1.380	1497.1	1876.	0.4840E+02	0.611

CTD10999



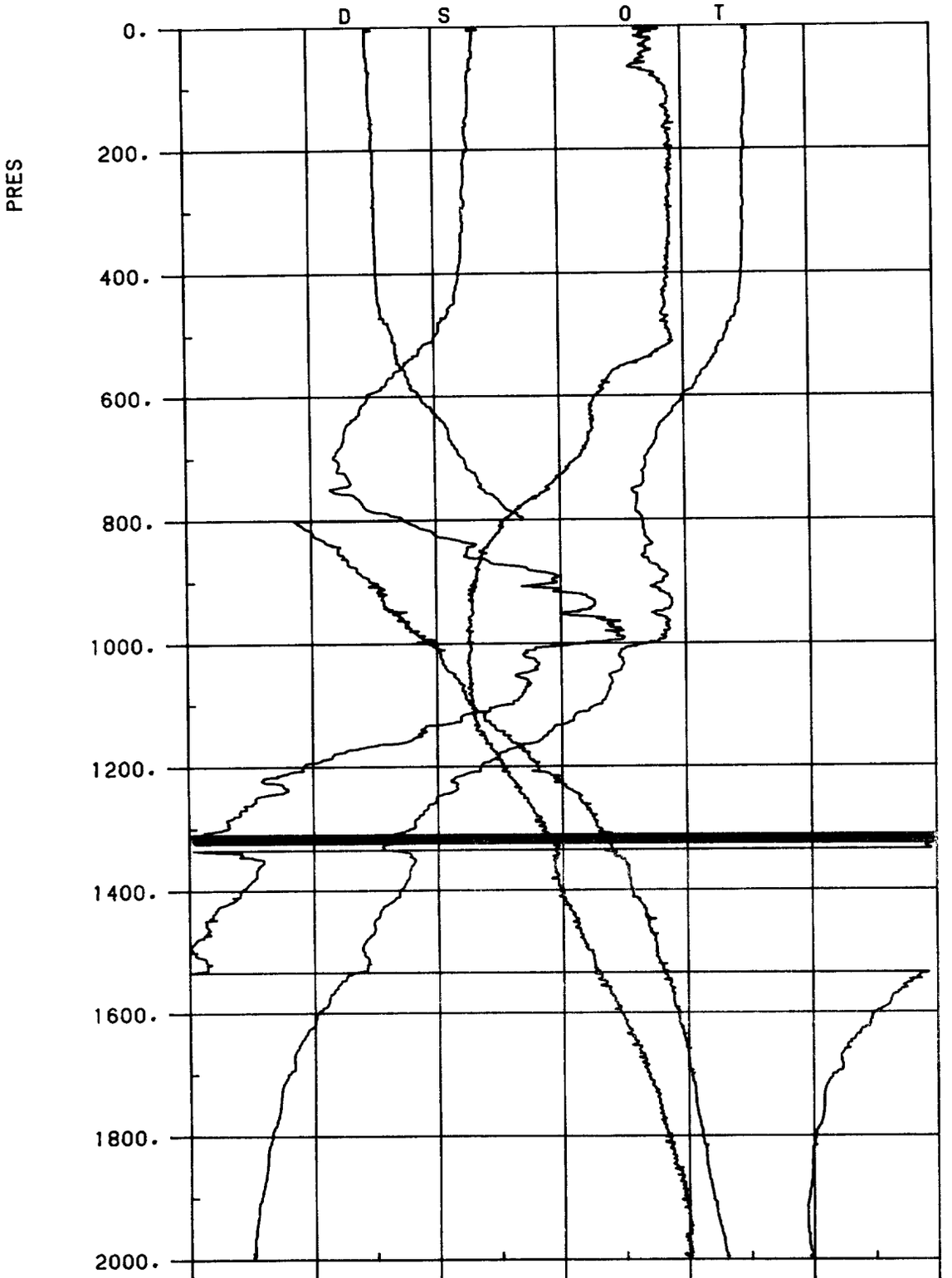
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD10999 J 1984/64/1110 46 5.00N 13 32.40W

DISCOVERY 145 STATION 10999

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.013	35.646	5.77	12.012	27.089	31.498	35.809	0.010	1497.8	10.	0.9659E+02	-9.999
20.	12.017	35.648	5.84	12.014	27.090	31.499	35.810	0.019	1498.0	20.	0.9679E+02	0.524
40.	12.008	35.647	5.89	12.003	27.092	31.500	35.811	0.039	1498.3	40.	0.9722E+02	0.477
60.	12.024	35.649	5.87	12.016	27.091	31.499	35.810	0.058	1498.7	59.	0.9786E+02	-0.386
80.	12.027	35.648	5.89	12.017	27.090	31.499	35.809	0.078	1499.0	79.	0.9847E+02	-0.282
100.	12.028	35.649	5.91	12.015	27.091	31.499	35.810	0.098	1499.3	99.	0.9897E+02	0.330
120.	12.021	35.647	5.84	12.005	27.091	31.500	35.811	0.117	1499.6	119.	0.9948E+02	0.270
140.	12.033	35.649	5.90	12.015	27.091	31.499	35.810	0.137	1500.0	139.	0.1001E+03	-0.262
160.	12.022	35.645	5.89	12.001	27.090	31.499	35.810	0.157	1500.3	159.	0.1007E+03	-0.262
180.	11.997	35.640	5.91	11.973	27.092	31.502	35.814	0.178	1500.5	178.	0.1010E+03	0.584
200.	12.007	35.641	5.86	11.981	27.091	31.500	35.812	0.198	1500.9	198.	0.1017E+03	-0.478
220.	11.936	35.626	5.82	11.907	27.094	31.505	35.818	0.218	1501.0	218.	0.1020E+03	0.722
240.	11.872	35.614	5.78	11.841	27.097	31.509	35.824	0.239	1501.1	238.	0.1022E+03	0.727
260.	11.883	35.623	5.75	11.849	27.103	31.515	35.829	0.259	1501.5	258.	0.1022E+03	0.932
280.	11.785	35.613	5.80	11.748	27.114	31.529	35.845	0.280	1501.4	278.	0.1016E+03	1.396
300.	11.779	35.612	5.73	11.740	27.115	31.529	35.845	0.300	1501.7	297.	0.1021E+03	0.224
320.	11.749	35.604	5.74	11.707	27.115	31.530	35.847	0.320	1502.0	317.	0.1026E+03	0.350
340.	11.721	35.599	5.79	11.677	27.116	31.532	35.850	0.341	1502.2	337.	0.1030E+03	0.475
360.	11.679	35.594	5.79	11.632	27.121	31.538	35.856	0.362	1502.4	357.	0.1031E+03	0.887
380.	11.518	35.563	5.73	11.469	27.128	31.549	35.871	0.382	1502.1	377.	0.1028E+03	1.166
400.	11.439	35.551	5.63	11.388	27.134	31.556	35.879	0.403	1502.2	396.	0.1028E+03	0.972
450.	11.198	35.530	5.42	11.140	27.163	31.590	35.919	0.454	1502.1	446.	0.1011E+03	1.417
500.	10.998	35.508	5.36	10.935	27.184	31.615	35.949	0.504	1502.2	495.	0.1002E+03	1.199
550.	10.781	35.487	5.28	10.713	27.207	31.644	35.981	0.554	1502.3	545.	0.9902E+02	1.283
600.	10.633	35.475	5.37	10.559	27.225	31.665	36.006	0.603	1502.6	594.	0.9840E+02	1.120
700.	10.307	35.480	4.81	10.222	27.289	31.736	36.083	0.700	1503.1	693.	0.9442E+02	1.467
800.	9.725	35.458	4.42	9.631	27.373	31.833	36.193	0.791	1502.6	792.	0.8793E+02	1.723
900.	9.730	35.616	4.26	9.623	27.498	31.957	36.316	0.874	1504.5	891.	0.7856E+02	1.979
1000.	7.996	35.338	4.40	7.890	27.557	32.056	36.455	0.949	1499.4	989.	0.7154E+02	1.753
1100.	8.736	35.627	4.47	8.611	27.672	32.152	36.533	1.017	1504.2	1088.	0.6457E+02	1.739
1200.	7.918	35.538	4.63	7.788	27.729	32.229	36.629	1.078	1502.6	1187.	0.5915E+02	1.583
1300.	7.367	35.485	4.84	7.231	27.769	32.282	36.695	1.136	1502.1	1285.	0.5573E+02	1.335
1400.	6.552	35.359	5.05	6.413	27.783	32.316	36.749	1.190	1500.5	1384.	0.5358E+02	1.142
1500.	4.778	35.050	5.55	4.649	27.755	32.335	36.812	1.242	1494.7	1482.	0.5134E+02	1.111
1600.	4.361	34.997	5.74	4.227	27.760	32.351	36.839	1.293	1494.6	1581.	0.5047E+02	0.827
1700.	4.121	34.972	5.92	3.981	27.766	32.363	36.858	1.343	1495.2	1679.	0.4996E+02	0.732
1800.	3.968	34.959	6.01	3.820	27.772	32.374	36.873	1.393	1496.2	1778.	0.4967E+02	0.667
1900.	3.938	34.970	6.09	3.781	27.785	32.388	36.888	1.443	1497.8	1876.	0.4932E+02	0.677
2000.	3.820	34.966	6.15	3.655	27.794	32.401	36.904	1.492	1499.0	1974.	0.4884E+02	0.704

CTD11001



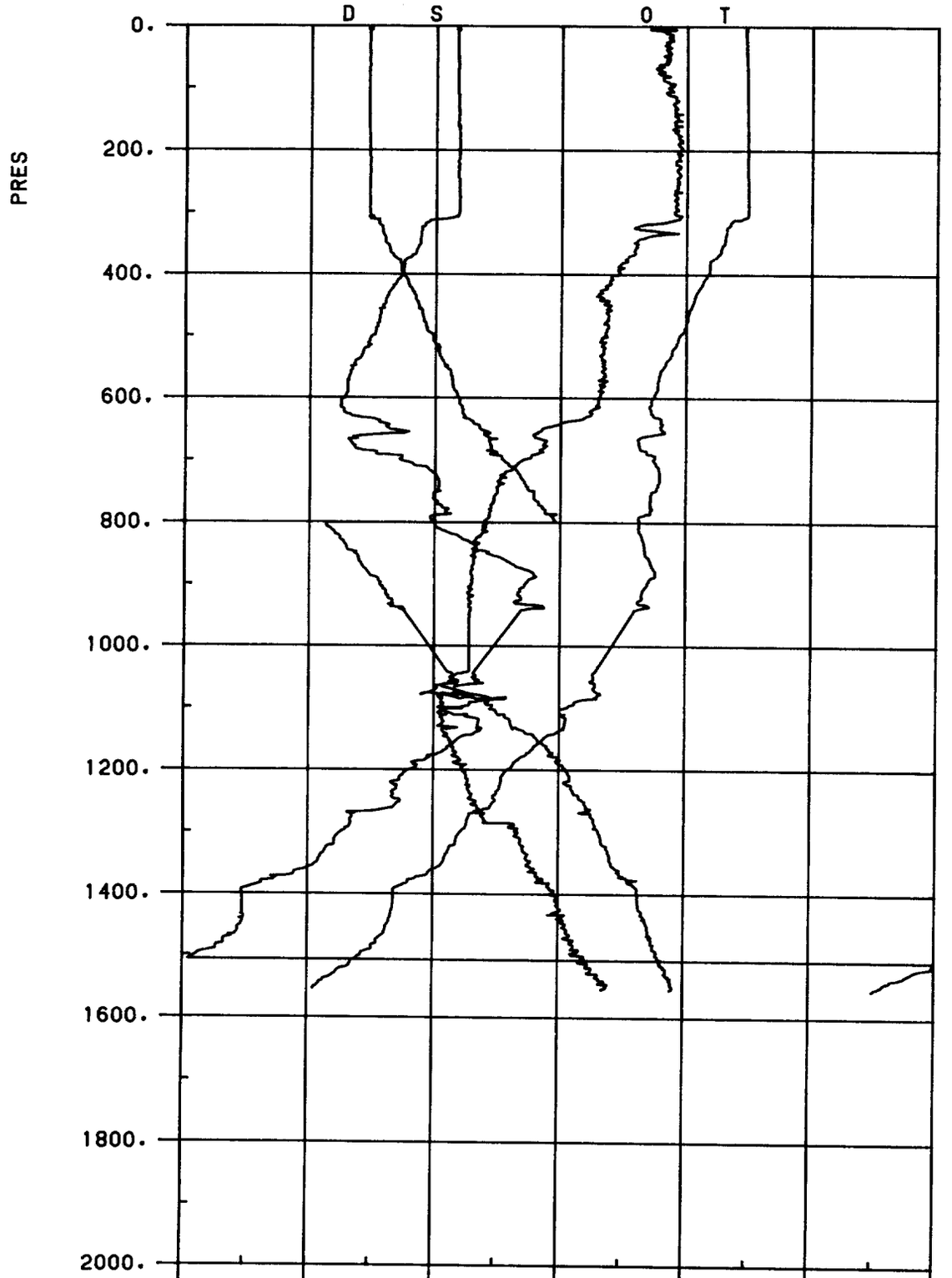
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11001 J 1984/65/0234 45 27.00N 13 16.30W

DISCOVERY 145 STATION 11001

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.065	35.666	5.72	12.064	27.095	31.502	35.812	0.010	1498.0	10.	0.9607E+02	-9.999
20.	12.066	35.665	5.73	12.063	27.095	31.502	35.812	0.019	1498.2	20.	0.9638E+02	-0.333
40.	12.062	35.665	5.74	12.057	27.095	31.503	35.813	0.039	1498.5	40.	0.9685E+02	0.387
60.	12.036	35.661	5.68	12.028	27.098	31.506	35.817	0.058	1498.7	60.	0.9717E+02	0.645
80.	12.012	35.657	5.78	12.002	27.100	31.509	35.820	0.077	1499.0	79.	0.9752E+02	0.586
100.	12.025	35.659	5.87	12.012	27.099	31.508	35.818	0.097	1499.3	99.	0.9819E+02	-0.420
120.	12.024	35.658	5.89	12.008	27.100	31.508	35.819	0.117	1499.7	119.	0.9869E+02	0.308
140.	12.016	35.657	5.89	11.997	27.101	31.510	35.821	0.136	1500.0	139.	0.9914E+02	0.413
160.	11.995	35.655	5.90	11.974	27.103	31.513	35.824	0.156	1500.2	159.	0.9945E+02	0.646
180.	11.990	35.653	5.90	11.967	27.104	31.513	35.825	0.176	1500.5	178.	0.9998E+02	0.193
200.	12.003	35.655	5.90	11.976	27.103	31.513	35.824	0.196	1500.9	198.	0.1006E+03	-0.211
220.	11.965	35.649	5.90	11.937	27.106	31.516	35.828	0.216	1501.1	218.	0.1009E+03	0.652
240.	11.977	35.650	5.90	11.945	27.105	31.515	35.827	0.237	1501.5	238.	0.1015E+03	-0.335
260.	11.971	35.648	5.89	11.937	27.105	31.515	35.828	0.257	1501.8	258.	0.1020E+03	0.161
280.	11.974	35.648	5.89	11.937	27.106	31.516	35.828	0.278	1502.1	278.	0.1026E+03	0.208
300.	11.967	35.646	5.89	11.927	27.106	31.516	35.829	0.298	1502.4	297.	0.1031E+03	0.182
320.	11.975	35.648	5.90	11.933	27.106	31.516	35.829	0.319	1502.8	317.	0.1036E+03	0.262
340.	11.961	35.645	5.90	11.916	27.107	31.517	35.830	0.340	1503.1	337.	0.1041E+03	0.356
360.	11.962	35.645	5.88	11.915	27.107	31.518	35.831	0.360	1503.4	357.	0.1046E+03	0.234
380.	11.957	35.643	5.87	11.907	27.107	31.518	35.831	0.381	1503.7	377.	0.1051E+03	0.216
400.	11.940	35.640	5.87	11.887	27.109	31.520	35.833	0.402	1504.0	396.	0.1055E+03	0.460
450.	11.887	35.631	5.86	11.828	27.113	31.525	35.840	0.455	1504.6	446.	0.1065E+03	0.543
500.	11.663	35.602	5.90	11.597	27.134	31.551	35.871	0.509	1504.6	495.	0.1056E+03	1.222
550.	11.391	35.551	5.51	11.320	27.146	31.569	35.894	0.561	1504.5	545.	0.1055E+03	0.979
600.	10.985	35.494	5.30	10.910	27.177	31.609	35.943	0.614	1503.8	594.	0.1034E+03	1.514
700.	10.370	35.438	5.15	10.285	27.245	31.691	36.038	0.714	1503.2	693.	0.9857E+02	1.560
800.	10.326	35.548	4.56	10.228	27.341	31.787	36.134	0.810	1504.9	792.	0.9197E+02	1.740
900.	10.649	35.791	4.31	10.536	27.476	31.914	36.253	0.897	1508.0	891.	0.8237E+02	2.012
1000.	10.401	35.843	4.28	10.277	27.562	32.005	36.349	0.977	1508.8	989.	0.7628E+02	1.696
1100.	9.652	35.723	4.28	9.520	27.599	32.059	36.420	1.051	1507.6	1088.	0.7352E+02	1.314
1200.	7.699	35.385	4.53	7.571	27.640	32.146	36.552	1.121	1501.6	1187.	0.6677E+02	1.724
1300.	6.595	35.260	4.86	6.467	27.697	32.230	36.662	1.184	1498.9	1285.	0.6002E+02	1.692
1400.	6.395	35.284	4.98	6.259	27.744	32.282	36.718	1.242	1499.8	1384.	0.5666E+02	1.293
1500.	5.810	35.208	5.24	5.669	27.759	32.312	36.763	1.297	1499.0	1482.	0.5471E+02	1.081
1600.	5.055	35.100	5.46	4.913	27.765	32.338	36.808	1.351	1497.5	1581.	0.5269E+02	1.069
1700.	4.576	35.034	5.69	4.430	27.767	32.352	36.835	1.403	1497.2	1679.	0.5176E+02	0.851
1800.	4.314	35.003	5.84	4.162	27.772	32.365	36.854	1.454	1497.7	1778.	0.5124E+02	0.743
1900.	4.137	34.992	5.98	3.977	27.782	32.380	36.874	1.505	1498.6	1876.	0.5050E+02	0.784

CTD11002



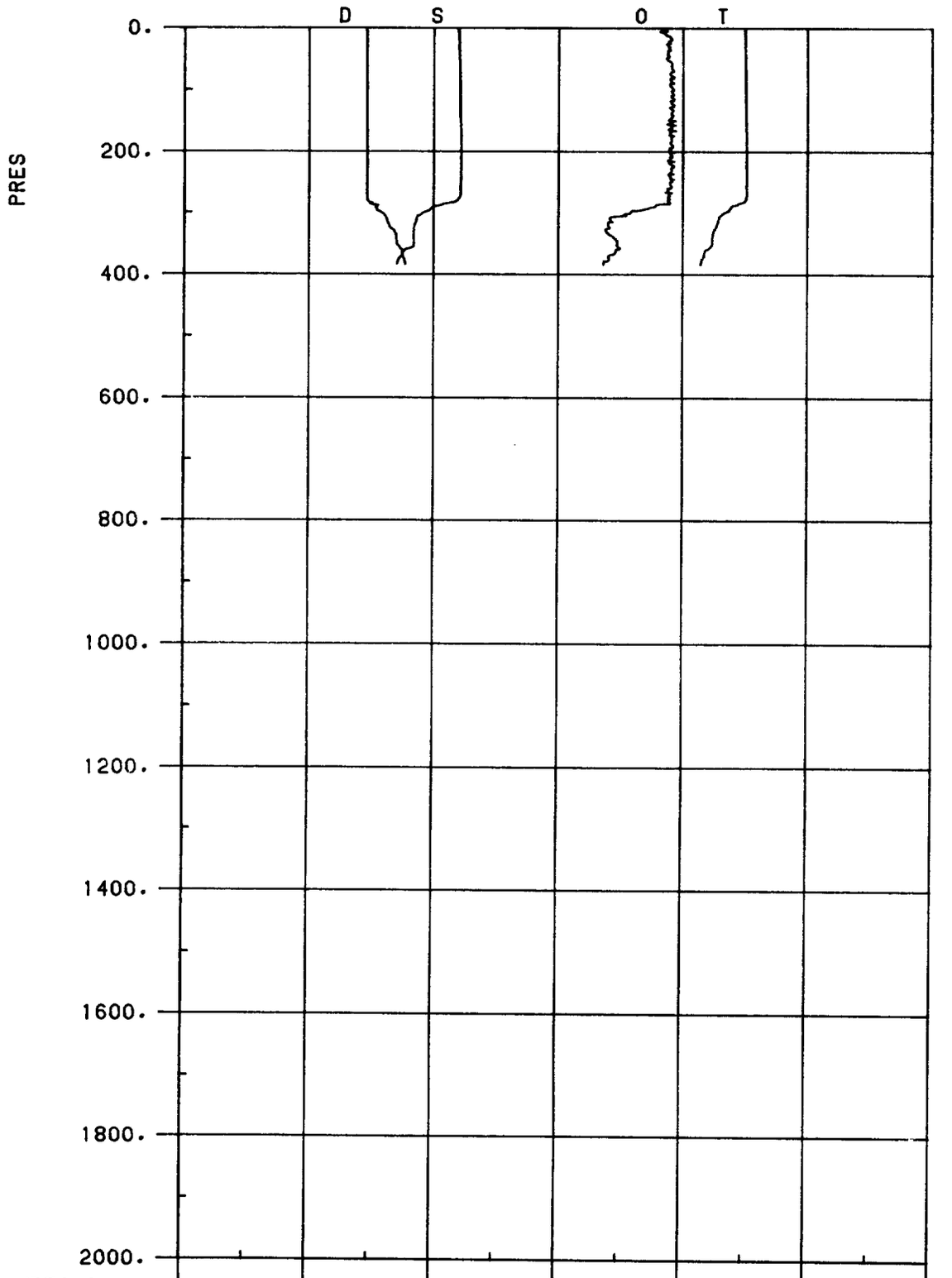
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11002 S 1984/65/0709 45 7.60N 13 35.00W

DISCOVERY 145 STATION 11002

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	11.944	35.634	5.84	11.943	27.093	31.503	35.816	0.010	1497.5	10.	0.9622E+02	-9.999
20.	11.946	35.634	5.87	11.943	27.093	31.503	35.815	0.019	1497.7	20.	0.9651E+02	-0.197
40.	11.948	35.634	5.85	11.943	27.093	31.503	35.815	0.039	1498.1	40.	0.9709E+02	-0.177
60.	11.954	35.635	5.82	11.946	27.093	31.504	35.816	0.058	1498.4	60.	0.9759E+02	0.314
80.	11.958	35.634	5.83	11.948	27.093	31.503	35.815	0.078	1498.8	79.	0.9823E+02	-0.374
100.	11.961	35.634	5.86	11.948	27.092	31.502	35.814	0.097	1499.1	99.	0.9881E+02	-0.214
120.	11.969	35.635	5.92	11.953	27.092	31.502	35.814	0.117	1499.5	119.	0.9937E+02	-0.064
140.	11.972	35.636	5.93	11.953	27.093	31.503	35.815	0.137	1499.8	139.	0.9989E+02	0.251
160.	11.974	35.635	5.93	11.953	27.092	31.502	35.814	0.157	1500.1	159.	0.1005E+03	-0.196
180.	11.977	35.637	5.94	11.953	27.093	31.503	35.815	0.177	1500.5	178.	0.1009E+03	0.367
200.	11.980	35.637	5.95	11.953	27.093	31.503	35.815	0.198	1500.8	198.	0.1015E+03	0.177
220.	11.976	35.636	5.91	11.947	27.094	31.504	35.816	0.218	1501.1	218.	0.1020E+03	0.249
240.	11.974	35.635	5.94	11.943	27.094	31.504	35.817	0.238	1501.5	238.	0.1025E+03	0.246
260.	11.986	35.637	5.92	11.952	27.093	31.503	35.815	0.259	1501.8	258.	0.1031E+03	-0.340
280.	11.989	35.637	5.91	11.952	27.094	31.504	35.816	0.280	1502.2	278.	0.1037E+03	0.265
300.	11.987	35.637	5.90	11.948	27.094	31.504	35.816	0.300	1502.5	297.	0.1042E+03	0.252
320.	11.687	35.582	5.67	11.645	27.110	31.526	35.845	0.321	1501.7	317.	0.1031E+03	1.670
340.	11.613	35.575	5.66	11.569	27.119	31.537	35.857	0.342	1501.8	337.	0.1027E+03	1.207
360.	11.548	35.569	5.59	11.502	27.127	31.546	35.867	0.362	1501.9	357.	0.1025E+03	1.153
380.	11.380	35.549	5.50	11.332	27.143	31.566	35.891	0.383	1501.6	377.	0.1013E+03	1.657
400.	11.342	35.546	5.45	11.291	27.148	31.572	35.898	0.403	1501.8	396.	0.1013E+03	0.941
450.	11.090	35.517	5.38	11.033	27.173	31.602	35.933	0.453	1501.7	446.	0.1001E+03	1.310
500.	10.887	35.498	5.35	10.824	27.196	31.630	35.965	0.503	1501.8	495.	0.9894E+02	1.273
550.	10.639	35.468	5.34	10.571	27.218	31.657	35.998	0.552	1501.7	545.	0.9786E+02	1.250
600.	10.472	35.454	5.30	10.398	27.238	31.681	36.025	0.601	1502.0	594.	0.9703E+02	1.174
700.	10.487	35.545	4.70	10.401	27.308	31.751	36.094	0.696	1503.8	693.	0.9288E+02	1.487
800.	10.263	35.601	4.40	10.165	27.393	31.840	36.189	0.786	1504.7	792.	0.8696E+02	1.674
900.	10.389	35.744	4.29	10.277	27.485	31.929	36.273	0.870	1507.0	891.	0.8104E+02	1.674
1000.	9.828	35.695	4.28	9.708	27.545	32.001	36.358	0.949	1506.6	989.	0.7665E+02	1.509
1100.	9.083	35.629	4.13	8.956	27.618	32.091	36.465	1.024	1505.4	1088.	0.7038E+02	1.694
1200.	8.171	35.560	4.23	8.040	27.708	32.202	36.596	1.089	1503.6	1187.	0.6176E+02	1.898
1300.	7.434	35.453	4.66	7.298	27.734	32.246	36.657	1.150	1502.4	1285.	0.5917E+02	1.230
1400.	6.362	35.295	4.95	6.225	27.757	32.295	36.732	1.208	1499.7	1384.	0.5537E+02	1.362
1500.	5.825	35.220	5.17	5.684	27.767	32.319	36.770	1.262	1499.1	1482.	0.5407E+02	0.975

CTD11003



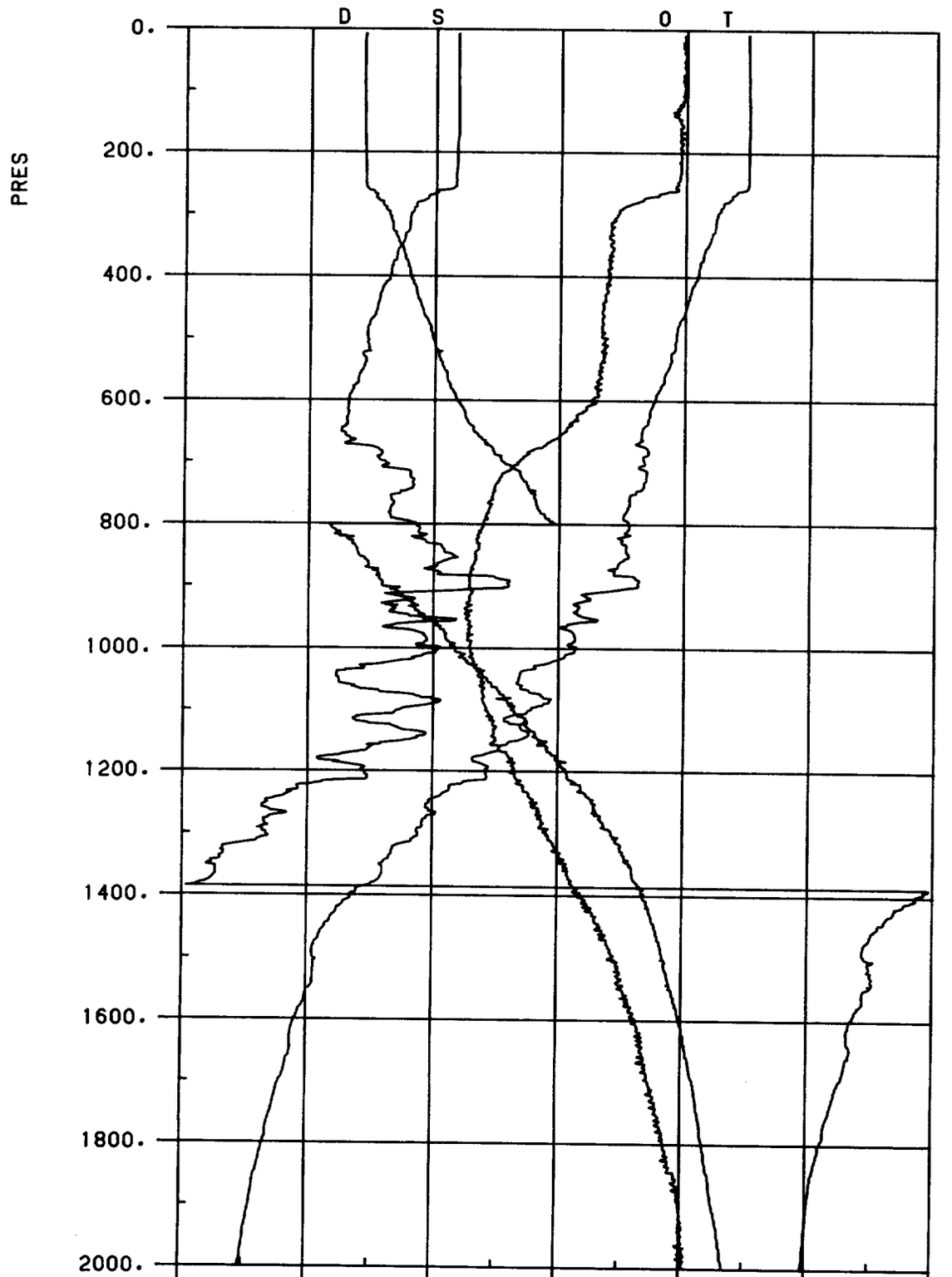
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11003 I 1984/65/1927 45 48.60N 13 39.00W

DISCOVERY 145 STATION 11003

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	11.996	35.641	6.95	11.995	27.095	31.498	35.809	0.010	1497.7	10.	0.9662E+02	-9.999
20.	11.995	35.642	6.95	11.993	27.095	31.499	35.810	0.019	1497.9	20.	0.9683E+02	0.501
40.	12.001	35.642	6.89	11.996	27.095	31.498	35.809	0.039	1498.2	40.	0.9745E+02	-0.330
60.	12.003	35.642	6.82	11.995	27.095	31.499	35.810	0.058	1498.6	59.	0.9797E+02	0.264
80.	12.006	35.642	6.75	11.995	27.095	31.499	35.810	0.078	1498.9	79.	0.9852E+02	0.120
100.	12.007	35.643	6.68	11.994	27.095	31.499	35.810	0.098	1499.3	99.	0.9904E+02	0.265
120.	12.011	35.643	6.64	11.995	27.095	31.499	35.810	0.118	1499.6	119.	0.9961E+02	-0.164
140.	12.016	35.642	6.59	11.998	27.094	31.498	35.809	0.138	1500.0	139.	0.1002E+03	-0.362
160.	12.017	35.643	6.54	11.996	27.094	31.499	35.810	0.158	1500.3	159.	0.1007E+03	0.358
180.	12.019	35.642	6.50	11.995	27.094	31.499	35.810	0.178	1500.6	178.	0.1013E+03	-0.168
200.	12.022	35.643	6.45	11.995	27.094	31.499	35.810	0.198	1501.0	198.	0.1018E+03	0.299
220.	12.025	35.644	6.44	11.996	27.095	31.499	35.811	0.219	1501.3	218.	0.1024E+03	0.127
240.	12.031	35.643	6.40	11.999	27.094	31.499	35.810	0.239	1501.7	238.	0.1030E+03	-0.324
260.	12.029	35.643	6.35	11.994	27.094	31.499	35.810	0.260	1502.0	258.	0.1035E+03	0.280
280.	11.987	35.635	6.29	11.950	27.097	31.503	35.815	0.281	1502.2	278.	0.1038E+03	0.674
300.	11.619	35.580	5.88	11.580	27.124	31.538	35.858	0.301	1501.2	297.	0.1015E+03	2.167
320.	11.556	35.575	5.76	11.515	27.132	31.548	35.869	0.321	1501.3	317.	0.1012E+03	1.157
340.	11.501	35.572	5.76	11.457	27.141	31.558	35.880	0.341	1501.4	337.	0.1009E+03	1.222
360.	11.449	35.563	5.75	11.403	27.144	31.562	35.885	0.362	1501.5	357.	0.1011E+03	0.747
380.	11.336	35.548	5.66	11.287	27.153	31.574	35.900	0.382	1501.5	377.	0.1006E+03	1.283
400.	11.232	35.536	5.63	11.182	27.163	31.587	35.914	0.402	1501.4	396.	0.1001E+03	1.328
450.	11.028	35.513	5.52	10.972	27.184	31.612	35.944	0.452	1501.5	446.	0.9923E+02	1.197

CTD11004



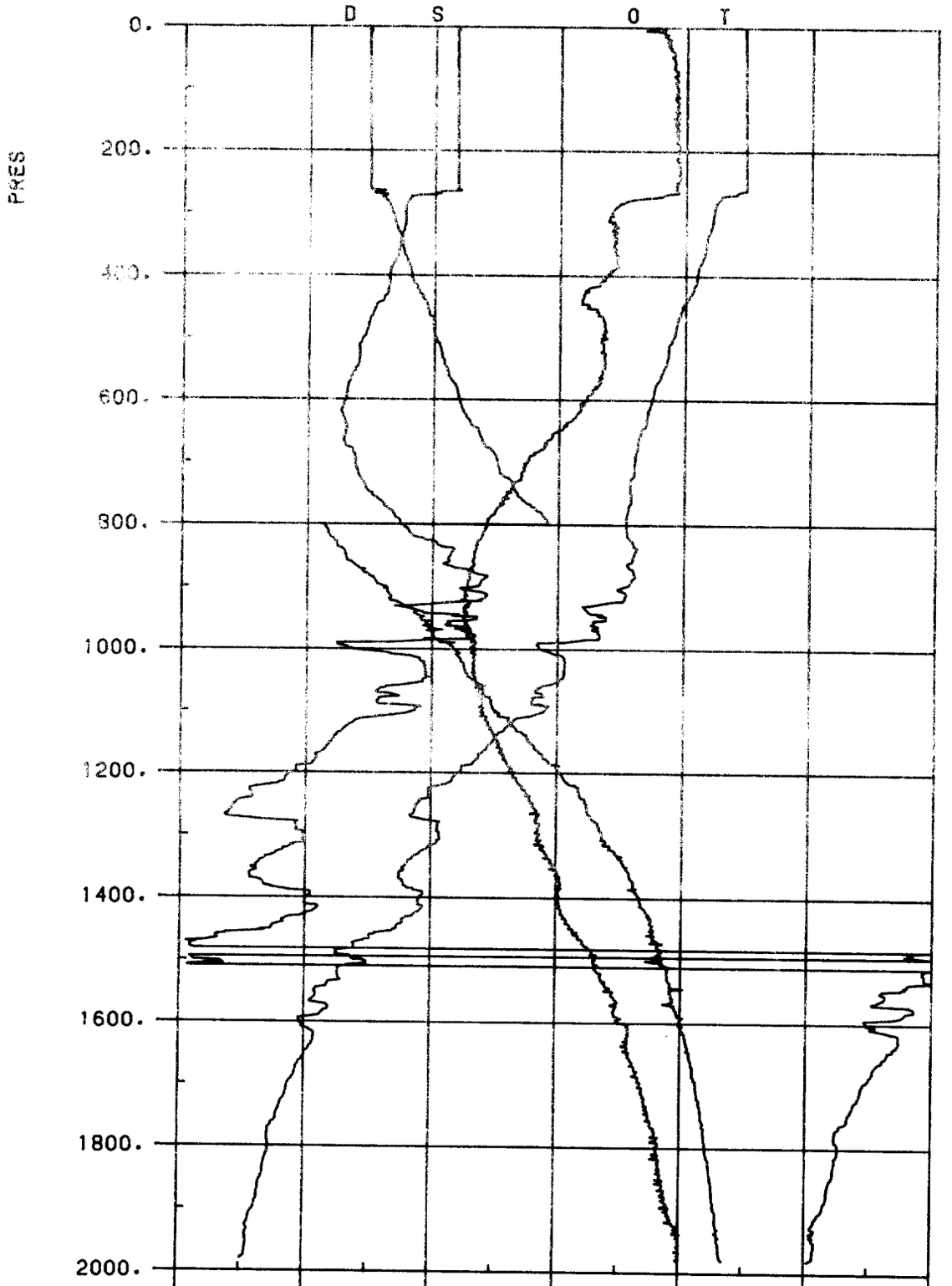
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11004 I 1984/65/2228 45 53.70N 13 38.50W

DISCOVERY 145 STATION 11004

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	11.985	35.635	5.99	11.984	27.086	31.496	35.807	0.010	1497.7	10.	0.9686E+02	-9.999
20.	11.990	35.635	5.97	11.988	27.086	31.495	35.806	0.019	1497.9	20.	0.9722E+02	-0.515
40.	11.994	35.635	5.99	11.988	27.086	31.495	35.806	0.039	1498.2	40.	0.9777E+02	0.147
60.	11.998	35.635	5.98	11.990	27.085	31.494	35.806	0.058	1498.6	59.	0.9837E+02	-0.265
80.	12.001	35.636	5.99	11.990	27.086	31.495	35.806	0.078	1498.9	79.	0.9891E+02	0.177
100.	12.003	35.636	5.98	11.990	27.086	31.495	35.806	0.098	1499.2	99.	0.9944E+02	0.236
120.	12.005	35.636	5.95	11.989	27.086	31.495	35.806	0.118	1499.6	119.	0.1000E+03	-0.069
140.	12.009	35.636	5.91	11.990	27.086	31.495	35.806	0.138	1499.9	139.	0.1006E+03	-0.111
160.	12.011	35.636	5.96	11.990	27.086	31.495	35.807	0.158	1500.3	159.	0.1011E+03	0.241
180.	12.002	35.635	5.95	11.979	27.087	31.496	35.808	0.178	1500.6	178.	0.1016E+03	0.375
200.	12.000	35.634	5.96	11.974	27.087	31.497	35.809	0.199	1500.9	198.	0.1021E+03	0.286
220.	11.999	35.634	5.96	11.970	27.088	31.497	35.809	0.219	1501.2	218.	0.1026E+03	0.265
240.	11.996	35.633	5.95	11.965	27.088	31.498	35.809	0.240	1501.5	238.	0.1031E+03	0.115
260.	11.887	35.613	5.91	11.853	27.094	31.506	35.820	0.261	1501.5	258.	0.1030E+03	1.028
280.	11.623	35.574	5.60	11.587	27.114	31.532	35.852	0.281	1500.8	278.	0.1015E+03	1.851
300.	11.501	35.560	5.45	11.462	27.127	31.547	35.870	0.301	1500.7	297.	0.1008E+03	1.464
320.	11.468	35.558	5.41	11.427	27.132	31.553	35.876	0.321	1500.9	317.	0.1008E+03	0.916
340.	11.390	35.550	5.41	11.347	27.141	31.563	35.888	0.342	1501.0	337.	0.1005E+03	1.202
360.	11.296	35.539	5.41	11.250	27.150	31.575	35.901	0.362	1501.0	357.	0.1001E+03	1.266
380.	11.233	35.532	5.39	11.185	27.157	31.583	35.911	0.382	1501.1	377.	0.9990E+02	1.064
400.	11.188	35.527	5.39	11.137	27.162	31.589	35.918	0.402	1501.3	396.	0.9991E+02	0.923
450.	11.011	35.507	5.35	10.955	27.180	31.611	35.943	0.451	1501.4	446.	0.9936E+02	1.112
500.	10.858	35.493	5.37	10.796	27.197	31.632	35.968	0.501	1501.7	495.	0.9881E+02	1.105
550.	10.714	35.484	5.33	10.646	27.217	31.655	35.994	0.550	1502.0	545.	0.9806E+02	1.158
600.	10.518	35.463	5.26	10.444	27.236	31.678	36.022	0.599	1502.1	594.	0.9723E+02	1.178
700.	10.365	35.522	4.67	10.280	27.312	31.757	36.103	0.694	1503.3	693.	0.9238E+02	1.563
800.	10.122	35.571	4.40	10.025	27.394	31.845	36.196	0.783	1504.2	792.	0.8662E+02	1.655
900.	10.260	35.719	4.29	10.149	27.488	31.935	36.282	0.867	1506.5	891.	0.8051E+02	1.691
1000.	9.283	35.610	4.30	9.166	27.570	32.038	36.407	0.943	1504.5	989.	0.7319E+02	1.799
1100.	8.539	35.543	4.43	8.416	27.637	32.123	36.509	1.013	1503.3	1088.	0.6730E+02	1.644
1200.	7.856	35.489	4.63	7.727	27.699	32.201	36.602	1.078	1502.3	1187.	0.6176E+02	1.592
1300.	6.769	35.333	4.91	6.640	27.732	32.260	36.687	1.137	1499.6	1285.	0.5737E+02	1.444
1400.	5.698	35.171	5.18	5.568	27.743	32.299	36.752	1.193	1496.9	1384.	0.5443E+02	1.229
1500.	5.138	35.099	5.44	5.005	27.753	32.324	36.792	1.247	1496.2	1482.	0.5283E+02	1.000
1600.	4.812	35.069	5.63	4.672	27.768	32.347	36.823	1.299	1496.5	1581.	0.5150E+02	0.933
1700.	4.580	35.051	5.74	4.434	27.780	32.366	36.848	1.350	1497.2	1679.	0.5055E+02	0.849
1800.	4.318	35.022	5.87	4.165	27.786	32.378	36.868	1.400	1497.7	1778.	0.4998E+02	0.756
1900.	4.112	35.003	5.99	3.953	27.793	32.391	36.886	1.450	1498.5	1876.	0.4940E+02	0.749
2000.	3.950	34.995	6.03	3.783	27.804	32.407	36.906	1.499	1499.5	1974.	0.4857E+02	0.792

CTD11005



TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

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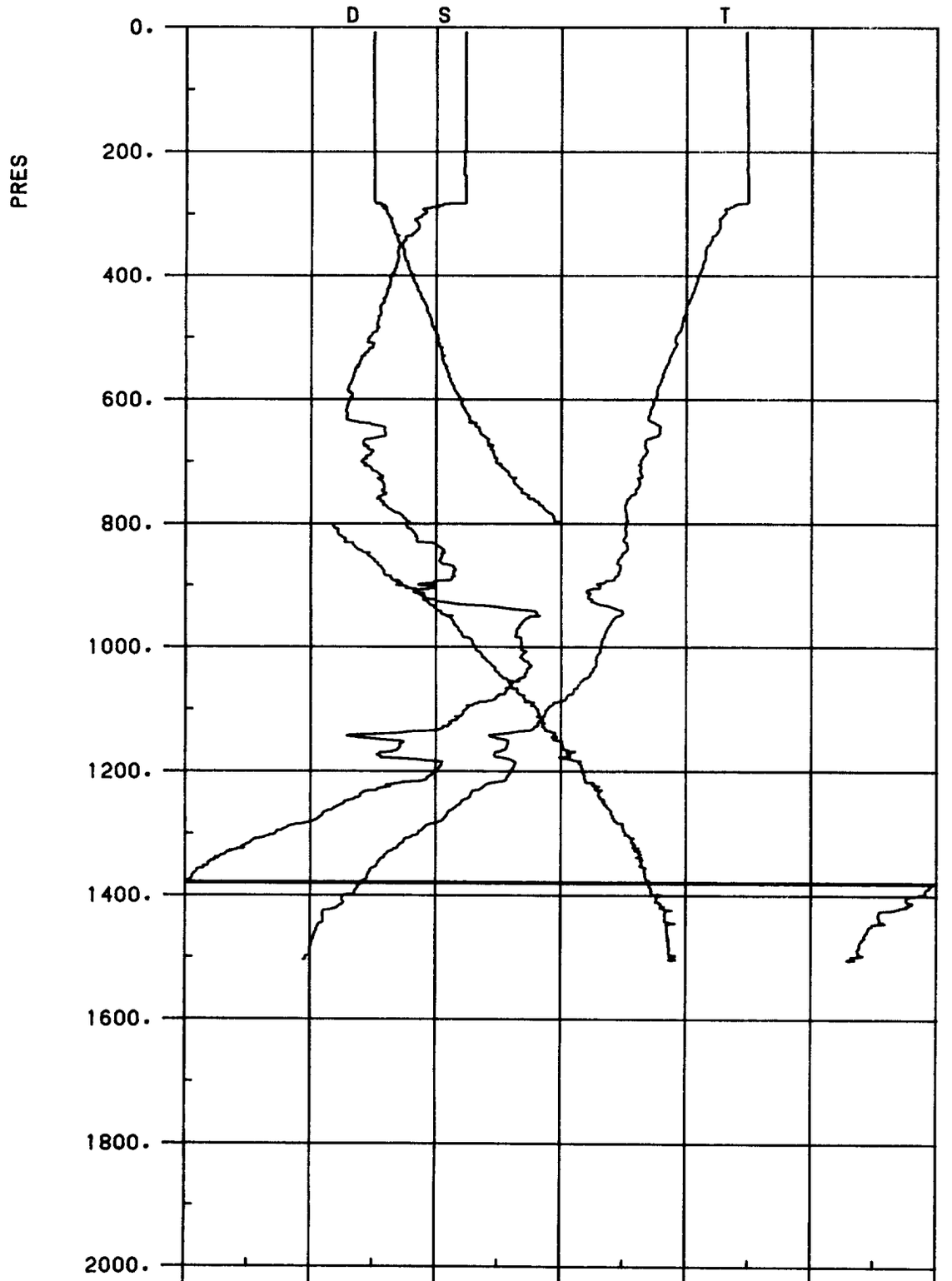
DISCOVERY 145 STATION 11005

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	11.936	35.635	5.82	11.934	27.096	31.506	35.818	0.010	1497.5	10.	0.9597E+02	-9.999
20.	11.941	35.635	5.86	11.938	27.095	31.505	35.818	0.019	1497.7	20.	0.9630E+02	-0.411
40.	11.943	35.636	5.89	11.938	27.096	31.506	35.818	0.039	1498.0	40.	0.9682E+02	0.251
60.	11.946	35.636	5.90	11.938	27.095	31.506	35.818	0.058	1498.4	60.	0.9740E+02	-0.196
80.	11.947	35.636	5.91	11.937	27.096	31.506	35.819	0.077	1498.7	79.	0.9790E+02	0.307
100.	11.951	35.636	5.93	11.937	27.096	31.506	35.818	0.097	1499.1	99.	0.9847E+02	-0.121
120.	11.953	35.636	5.93	11.937	27.096	31.506	35.818	0.117	1499.4	119.	0.9904E+02	-0.129
140.	11.955	35.636	5.93	11.936	27.096	31.506	35.819	0.137	1499.7	139.	0.9955E+02	0.251
160.	11.956	35.636	5.92	11.935	27.096	31.507	35.819	0.157	1500.1	159.	0.1001E+03	0.191
180.	11.959	35.636	5.93	11.935	27.097	31.507	35.819	0.177	1500.4	178.	0.1006E+03	0.109
200.	11.961	35.637	5.94	11.934	27.097	31.507	35.820	0.197	1500.7	198.	0.1011E+03	0.278
220.	11.963	35.637	5.95	11.934	27.097	31.508	35.820	0.217	1501.1	218.	0.1017E+03	0.209
240.	11.964	35.637	5.95	11.932	27.097	31.508	35.820	0.238	1501.4	238.	0.1022E+03	0.103
260.	11.967	35.637	5.92	11.933	27.097	31.508	35.820	0.258	1501.8	258.	0.1028E+03	-0.141
280.	11.508	35.558	5.54	11.472	27.123	31.543	35.865	0.278	1500.4	278.	0.1006E+03	2.129
300.	11.440	35.553	5.41	11.402	27.133	31.554	35.878	0.298	1500.5	297.	0.1002E+03	1.240
320.	11.405	35.552	5.44	11.364	27.139	31.561	35.886	0.318	1500.7	317.	0.1001E+03	1.025
340.	11.331	35.546	5.44	11.287	27.148	31.572	35.898	0.338	1500.8	337.	0.9973E+02	1.244
360.	11.304	35.542	5.44	11.259	27.151	31.576	35.902	0.358	1501.0	357.	0.9997E+02	0.695
380.	11.233	35.534	5.46	11.185	27.158	31.584	35.912	0.378	1501.1	377.	0.9977E+02	1.092
400.	11.181	35.528	5.38	11.131	27.164	31.591	35.920	0.398	1501.2	396.	0.9971E+02	0.987
450.	10.951	35.505	5.22	10.895	27.189	31.621	35.955	0.448	1501.2	446.	0.9844E+02	1.309
500.	10.798	35.486	5.35	10.735	27.203	31.639	35.976	0.497	1501.5	495.	0.9824E+02	0.992
550.	10.652	35.474	5.35	10.584	27.221	31.660	36.000	0.546	1501.8	545.	0.9763E+02	1.115
600.	10.467	35.459	5.21	10.394	27.242	31.685	36.030	0.595	1501.9	594.	0.9661E+02	1.228
700.	10.208	35.475	4.75	10.123	27.303	31.751	36.101	0.690	1502.7	693.	0.9299E+02	1.423
800.	10.080	35.550	4.42	9.984	27.385	31.836	36.189	0.780	1504.0	792.	0.8743E+02	1.632
900.	10.031	35.662	4.28	9.921	27.483	31.935	36.288	0.865	1505.6	891.	0.8053E+02	1.764
1000.	8.724	35.470	4.34	8.612	27.549	32.031	36.413	0.942	1502.3	989.	0.7389E+02	1.727
1100.	8.787	35.568	4.40	8.662	27.618	32.098	36.478	1.014	1504.3	1088.	0.6970E+02	1.455
1200.	7.443	35.381	4.65	7.318	27.674	32.187	36.598	1.080	1500.6	1187.	0.6290E+02	1.718
1300.	7.134	35.397	4.86	7.001	27.732	32.251	36.670	1.140	1501.1	1285.	0.5845E+02	1.449
1400.	6.816	35.402	5.02	6.674	27.781	32.308	36.734	1.196	1501.6	1384.	0.5461E+02	1.370
1500.	5.888	35.236	5.30	5.746	27.772	32.323	36.772	1.250	1499.4	1482.	0.5379E+02	0.899
1600.	4.934	35.096	5.53	4.793	27.776	32.351	36.825	1.302	1497.0	1581.	0.5123E+02	1.150
1700.	4.739	35.090	5.68	4.591	27.793	32.374	36.853	1.353	1497.9	1679.	0.5000E+02	0.910
1800.	4.444	35.052	5.82	4.290	27.797	32.386	36.872	1.402	1498.3	1778.	0.4956E+02	0.734
1900.	4.209	35.026	5.90	4.048	27.802	32.398	36.890	1.452	1499.0	1876.	0.4903E+02	0.744

CTD11007



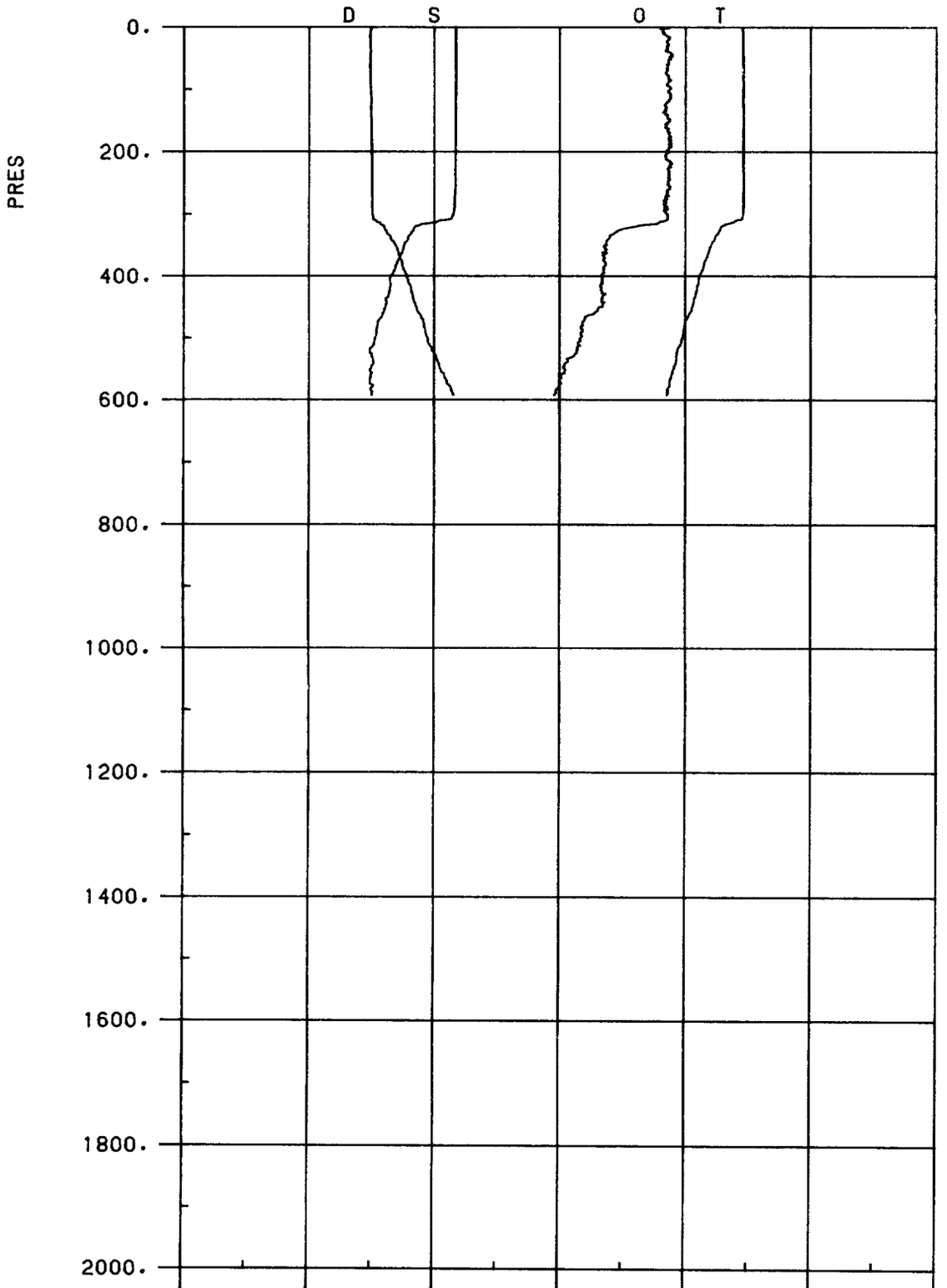
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11007 A 1984/70/1329 45 47.10N 12 56.50W

DISCOVERY 145 STATION 11007

P-DB	T-DEGC	SAL-PSU	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	11.958	35.647	11.957	27.100	31.510	35.822	0.010	1497.6	10.	0.9553E+02	-9.999
20.	11.961	35.647	11.958	27.100	31.510	35.822	0.019	1497.8	20.	0.9583E+02	-0.294
40.	11.964	35.647	11.959	27.100	31.510	35.822	0.038	1498.1	40.	0.9640E+02	-0.121
60.	11.966	35.647	11.958	27.100	31.510	35.822	0.058	1498.5	60.	0.9696E+02	0.012
80.	11.968	35.646	11.958	27.100	31.510	35.822	0.077	1498.8	79.	0.9753E+02	-0.129
100.	11.970	35.647	11.957	27.100	31.510	35.822	0.097	1499.1	99.	0.9806E+02	0.196
120.	11.972	35.647	11.957	27.101	31.510	35.822	0.116	1499.5	119.	0.9859E+02	0.214
140.	11.975	35.646	11.956	27.100	31.510	35.822	0.136	1499.8	139.	0.9917E+02	-0.163
160.	11.977	35.647	11.956	27.100	31.510	35.822	0.156	1500.2	159.	0.9972E+02	0.049
180.	11.981	35.647	11.958	27.101	31.510	35.822	0.176	1500.5	178.	0.1003E+03	0.145
200.	11.975	35.645	11.948	27.101	31.511	35.823	0.196	1500.8	198.	0.1008E+03	0.204
220.	11.978	35.645	11.949	27.101	31.511	35.823	0.216	1501.1	218.	0.1013E+03	0.189
240.	11.985	35.647	11.953	27.101	31.511	35.823	0.237	1501.5	238.	0.1019E+03	0.189
260.	11.989	35.647	11.954	27.101	31.511	35.823	0.257	1501.8	258.	0.1024E+03	0.152
280.	11.989	35.648	11.952	27.102	31.512	35.824	0.278	1502.2	278.	0.1029E+03	0.370
300.	11.616	35.582	11.577	27.122	31.540	35.860	0.298	1501.1	297.	0.1013E+03	1.873
320.	11.534	35.572	11.492	27.131	31.550	35.872	0.318	1501.2	317.	0.1010E+03	1.208
340.	11.408	35.551	11.365	27.138	31.560	35.885	0.338	1501.1	337.	0.1007E+03	1.135
360.	11.302	35.539	11.256	27.148	31.573	35.900	0.358	1501.0	357.	0.1002E+03	1.333
380.	11.263	35.537	11.214	27.155	31.581	35.908	0.378	1501.2	377.	0.1001E+03	1.034
400.	11.189	35.529	11.139	27.163	31.590	35.919	0.399	1501.3	396.	0.9984E+02	1.142
450.	10.996	35.511	10.939	27.185	31.616	35.949	0.448	1501.4	446.	0.9884E+02	1.237
500.	10.826	35.493	10.763	27.203	31.638	35.975	0.498	1501.6	495.	0.9825E+02	1.115
550.	10.661	35.471	10.593	27.216	31.655	35.995	0.547	1501.8	545.	0.9805E+02	0.988
600.	10.499	35.462	10.425	27.239	31.682	36.025	0.595	1502.1	594.	0.9693E+02	1.256
700.	10.275	35.482	10.190	27.296	31.743	36.092	0.691	1502.9	693.	0.9370E+02	1.377
800.	10.041	35.553	9.944	27.394	31.846	36.199	0.781	1503.8	792.	0.8653E+02	1.790
900.	9.610	35.583	9.503	27.492	31.953	36.316	0.864	1504.0	891.	0.7887E+02	1.831
1000.	9.635	35.737	9.516	27.611	32.071	36.431	0.937	1505.9	989.	0.7015E+02	1.924
1100.	8.779	35.647	8.654	27.681	32.161	36.540	1.004	1504.3	1088.	0.6382E+02	1.695
1200.	8.199	35.598	8.067	27.734	32.227	36.620	1.067	1503.8	1187.	0.5947E+02	1.469
1300.	6.707	35.341	6.577	27.746	32.276	36.704	1.124	1499.4	1285.	0.5586E+02	1.354
1400.	5.572	35.167	5.444	27.755	32.313	36.770	1.179	1496.4	1384.	0.5293E+02	1.226
1500.	4.929	35.069	4.798	27.753	32.329	36.803	1.231	1495.3	1482.	0.5206E+02	0.858

CTD11008



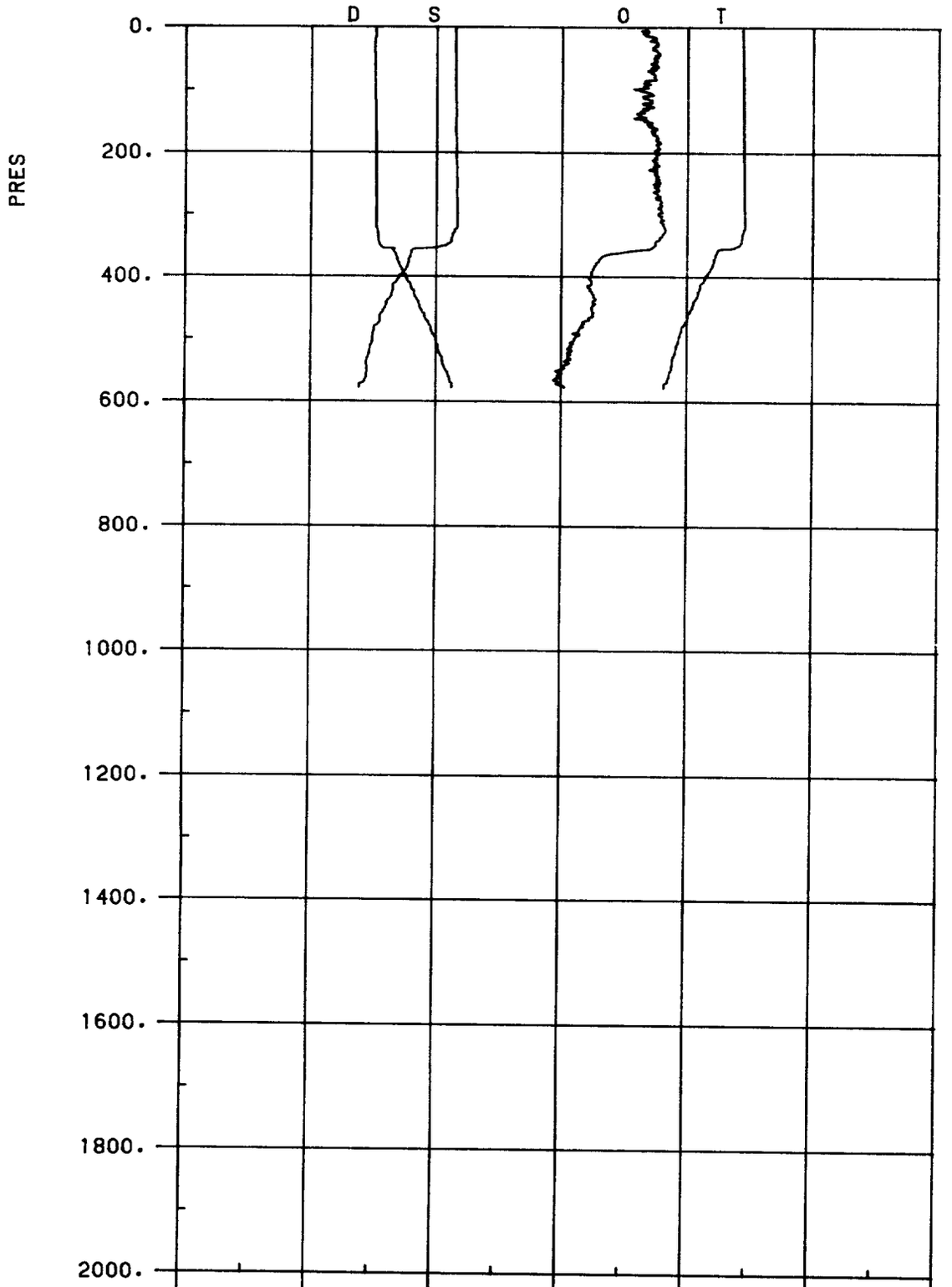
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11008 G 1984/70/1426 45 47.00N 12 56.30W

DISCOVERY 145 STATION 11008

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	11.959	35.643	0.48	11.957	27.097	31.507	35.819	0.010	1497.6	10.	0.9584E+02	-9.999
20.	11.962	35.643	0.48	11.959	27.097	31.507	35.819	0.019	1497.8	20.	0.9614E+02	-0.269
40.	11.965	35.643	0.48	11.959	27.097	31.507	35.819	0.038	1498.1	40.	0.9668E+02	0.147
60.	11.967	35.643	0.48	11.960	27.097	31.507	35.818	0.058	1498.5	60.	0.9727E+02	-0.203
80.	11.971	35.643	0.48	11.961	27.097	31.507	35.819	0.077	1498.8	79.	0.9781E+02	0.138
100.	11.975	35.643	0.48	11.962	27.097	31.507	35.818	0.097	1499.2	99.	0.9837E+02	-0.086
120.	11.975	35.644	0.48	11.959	27.098	31.507	35.819	0.117	1499.5	119.	0.9888E+02	0.304
140.	11.979	35.644	0.48	11.961	27.098	31.507	35.819	0.137	1499.8	139.	0.9943E+02	0.043
160.	11.983	35.644	0.49	11.962	27.098	31.507	35.819	0.156	1500.2	159.	0.1000E+03	-0.131
180.	11.986	35.644	0.49	11.962	27.098	31.507	35.819	0.177	1500.5	178.	0.1005E+03	0.177
200.	11.988	35.644	0.49	11.962	27.098	31.507	35.819	0.197	1500.8	198.	0.1011E+03	0.087
220.	11.988	35.644	0.49	11.959	27.098	31.508	35.819	0.217	1501.2	218.	0.1016E+03	0.152
240.	11.991	35.644	0.49	11.959	27.098	31.508	35.820	0.237	1501.5	238.	0.1022E+03	0.230
260.	11.992	35.645	0.49	11.958	27.099	31.509	35.820	0.258	1501.9	258.	0.1027E+03	0.304
280.	11.761	35.620	0.49	11.725	27.124	31.539	35.855	0.278	1501.4	278.	0.1007E+03	2.053
300.	11.580	35.570	0.50	11.542	27.119	31.538	35.859	0.299	1501.0	297.	0.1016E+03	-0.747
320.	11.492	35.560	0.50	11.451	27.129	31.550	35.872	0.319	1501.0	317.	0.1011E+03	1.279
340.	11.330	35.533	0.50	11.287	27.138	31.562	35.888	0.339	1500.8	337.	0.1007E+03	1.279
360.	11.246	35.523	0.50	11.200	27.147	31.573	35.900	0.359	1500.8	357.	0.1003E+03	1.196
380.	11.200	35.520	0.50	11.151	27.153	31.580	35.909	0.379	1501.0	377.	0.1002E+03	1.039
400.	11.144	35.518	0.50	11.093	27.163	31.591	35.921	0.399	1501.1	396.	0.9978E+02	1.256
450.	10.981	35.505	0.53	10.924	27.183	31.615	35.948	0.449	1501.3	446.	0.9902E+02	1.172
500.	10.854	35.494	0.52	10.792	27.199	31.634	35.970	0.498	1501.7	495.	0.9864E+02	1.051
550.	10.678	35.470	0.52	10.610	27.213	31.651	35.991	0.548	1501.9	545.	0.9841E+02	0.997
600.	10.627	35.492	0.53	10.553	27.240	31.680	36.021	0.595	1502.6	594.	0.9699E+02	1.334

CTD11009



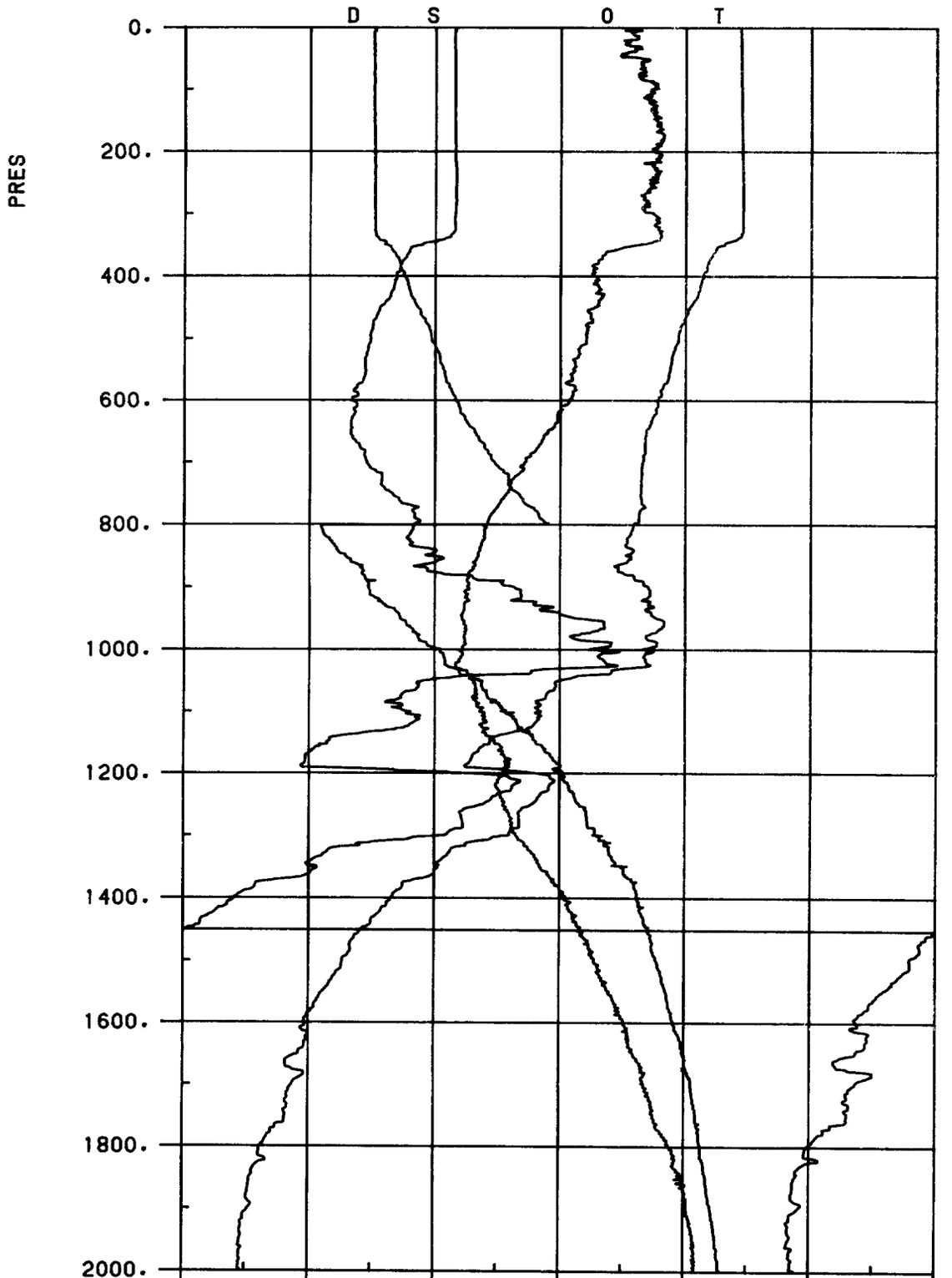
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11009 I 1984/71/0949 45 41.59N 13 1.03W

DISCOVERY 145 STATION 11009

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	11.881	35.632	5.67	11.880	27.104	31.515	35.829	0.010	1497.3	10.	0.9520E+02	-9.999
20.	11.882	35.632	5.68	11.879	27.104	31.516	35.829	0.019	1497.5	20.	0.9545E+02	0.260
40.	11.880	35.633	5.72	11.875	27.105	31.517	35.830	0.038	1497.8	40.	0.9591E+02	0.408
60.	11.885	35.633	5.72	11.877	27.105	31.517	35.830	0.057	1498.2	60.	0.9646E+02	0.046
80.	11.888	35.634	5.72	11.877	27.106	31.517	35.831	0.077	1498.5	79.	0.9699E+02	0.214
100.	11.898	35.634	5.73	11.885	27.104	31.515	35.829	0.096	1498.9	99.	0.9769E+02	-0.490
120.	11.894	35.634	5.75	11.878	27.106	31.517	35.831	0.116	1499.2	119.	0.9809E+02	0.495
140.	11.903	35.634	5.74	11.885	27.104	31.515	35.829	0.135	1499.6	139.	0.9879E+02	-0.481
160.	11.906	35.634	5.78	11.885	27.105	31.516	35.829	0.155	1499.9	159.	0.9928E+02	0.299
180.	11.909	35.635	5.81	11.885	27.105	31.517	35.830	0.175	1500.2	178.	0.9979E+02	0.277
200.	11.910	35.635	5.79	11.883	27.105	31.517	35.830	0.195	1500.6	198.	0.1003E+03	0.102
220.	11.911	35.635	5.81	11.883	27.106	31.517	35.830	0.215	1500.9	218.	0.1009E+03	0.191
240.	11.914	35.635	5.79	11.883	27.106	31.517	35.830	0.236	1501.2	238.	0.1014E+03	0.184
260.	11.918	35.635	5.79	11.884	27.105	31.517	35.830	0.256	1501.6	258.	0.1020E+03	-0.216
280.	11.919	35.635	5.80	11.882	27.106	31.517	35.831	0.276	1501.9	278.	0.1025E+03	0.257
300.	11.919	35.635	5.80	11.880	27.106	31.518	35.831	0.297	1502.3	297.	0.1030E+03	0.281
320.	11.923	35.635	5.79	11.881	27.106	31.518	35.831	0.318	1502.6	317.	0.1036E+03	-0.113
340.	11.843	35.621	5.77	11.799	27.111	31.524	35.839	0.338	1502.6	337.	0.1036E+03	0.887
360.	11.508	35.566	5.42	11.462	27.131	31.552	35.874	0.359	1501.8	357.	0.1020E+03	1.912
380.	11.371	35.553	5.27	11.322	27.147	31.570	35.895	0.379	1501.6	377.	0.1009E+03	1.640
400.	11.261	35.540	5.25	11.210	27.158	31.584	35.911	0.399	1501.5	396.	0.1003E+03	1.360
450.	11.056	35.517	5.23	11.000	27.179	31.609	35.941	0.449	1501.6	446.	0.9946E+02	1.204
500.	10.875	35.500	5.00	10.812	27.200	31.634	35.970	0.499	1501.8	495.	0.9857E+02	1.202
550.	10.748	35.491	4.98	10.680	27.217	31.654	35.992	0.548	1502.2	545.	0.9813E+02	1.069
600.	10.577	35.481	5.07	10.503	27.240	31.681	36.023	0.596	1502.4	594.	0.9696E+02	1.270

CTD11010



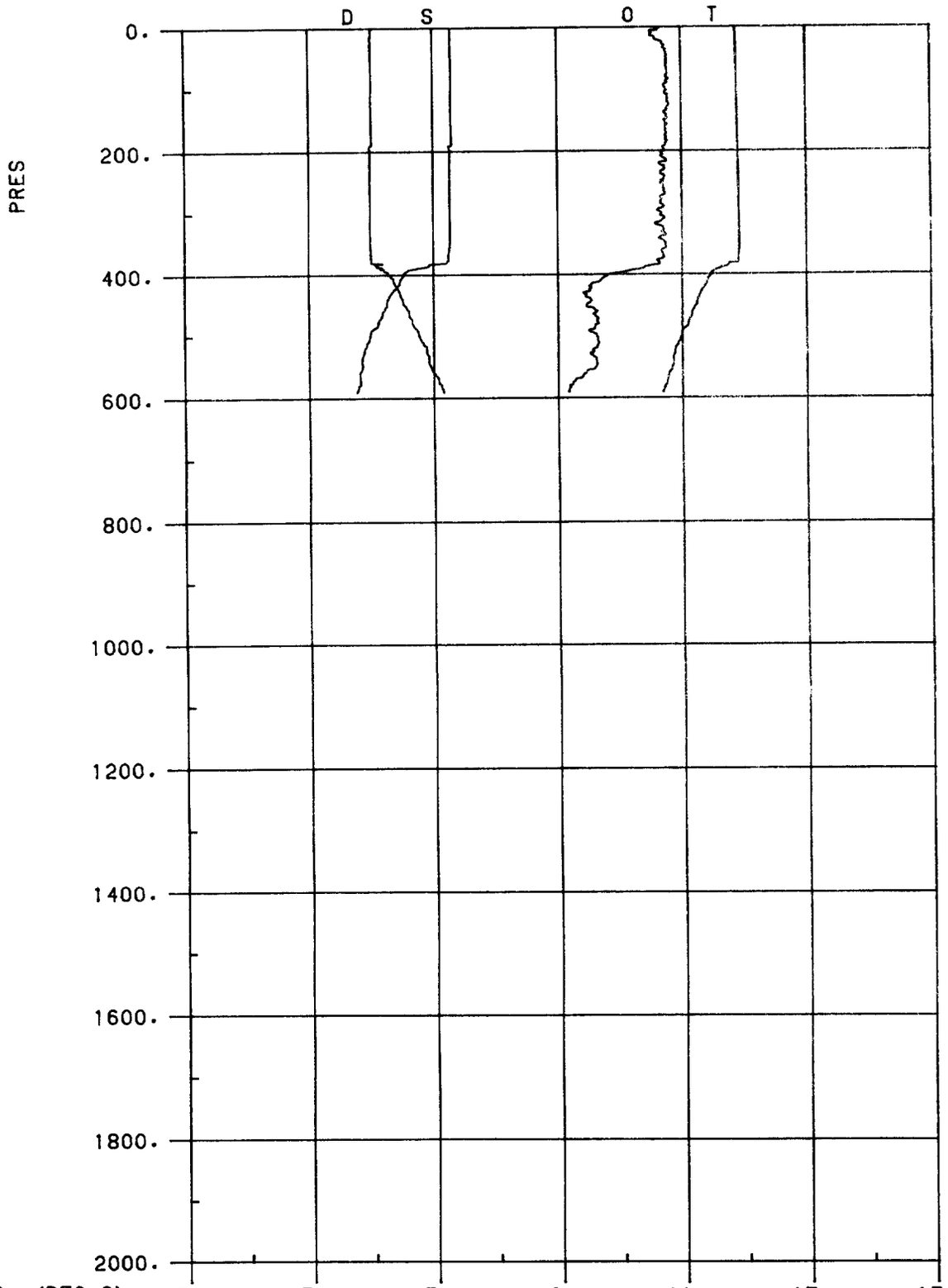
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11010 J 1984/71/0721 45 41.00N 13 1.00W

DISCOVERY 145 STATION 11010

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	11.882	35.631	5.58	11.881	27.103	31.514	35.828	0.010	1497.3	10.	0.9532E+02	-9.999
20.	11.882	35.631	5.55	11.879	27.103	31.514	35.828	0.019	1497.5	20.	0.9557E+02	0.278
40.	11.885	35.631	5.54	11.880	27.103	31.514	35.828	0.038	1497.8	40.	0.9612E+02	0.147
60.	11.890	35.632	5.65	11.882	27.103	31.514	35.828	0.058	1498.2	60.	0.9667E+02	-0.051
80.	11.891	35.631	5.64	11.881	27.103	31.514	35.828	0.077	1498.5	79.	0.9723E+02	-0.097
100.	11.896	35.631	5.74	11.882	27.103	31.514	35.827	0.096	1498.9	99.	0.9783E+02	-0.256
120.	11.898	35.631	5.73	11.882	27.103	31.514	35.828	0.116	1499.2	119.	0.9836E+02	0.177
140.	11.899	35.631	5.74	11.881	27.103	31.514	35.828	0.136	1499.5	139.	0.9890E+02	0.179
160.	11.903	35.632	5.79	11.882	27.103	31.515	35.828	0.156	1499.9	159.	0.9941E+02	0.249
180.	11.906	35.632	5.81	11.882	27.103	31.515	35.828	0.176	1500.2	178.	0.9997E+02	-0.086
200.	11.906	35.632	5.77	11.880	27.104	31.515	35.829	0.196	1500.6	198.	0.1005E+03	0.217
220.	11.911	35.633	5.72	11.882	27.104	31.515	35.829	0.216	1500.9	218.	0.1010E+03	0.237
240.	11.915	35.633	5.76	11.884	27.104	31.515	35.829	0.236	1501.2	238.	0.1016E+03	-0.030
260.	11.918	35.633	5.72	11.884	27.104	31.515	35.829	0.256	1501.6	258.	0.1021E+03	-0.183
280.	11.920	35.633	5.69	11.884	27.104	31.515	35.829	0.277	1501.9	278.	0.1027E+03	0.225
300.	11.915	35.632	5.73	11.875	27.104	31.516	35.829	0.297	1502.2	297.	0.1032E+03	0.240
320.	11.918	35.632	5.77	11.876	27.104	31.516	35.829	0.318	1502.6	317.	0.1037E+03	-0.164
340.	11.819	35.614	5.79	11.774	27.110	31.524	35.840	0.339	1502.5	337.	0.1037E+03	1.035
360.	11.472	35.559	5.40	11.426	27.133	31.554	35.877	0.359	1501.6	357.	0.1018E+03	1.985
380.	11.353	35.545	5.29	11.305	27.145	31.569	35.894	0.380	1501.5	377.	0.1011E+03	1.442
400.	11.289	35.538	5.28	11.238	27.151	31.577	35.903	0.400	1501.6	396.	0.1010E+03	1.061
450.	11.067	35.512	5.27	11.011	27.173	31.603	35.934	0.450	1501.6	446.	0.1001E+03	1.217
500.	10.891	35.498	5.21	10.828	27.195	31.629	35.964	0.500	1501.8	495.	0.9907E+02	1.230
550.	10.754	35.490	5.11	10.685	27.214	31.651	35.990	0.549	1502.2	545.	0.9834E+02	1.156
600.	10.556	35.469	5.07	10.482	27.234	31.676	36.018	0.598	1502.3	594.	0.9745E+02	1.194
700.	10.323	35.491	4.72	10.238	27.295	31.741	36.089	0.694	1503.1	693.	0.9388E+02	1.419
800.	10.178	35.566	4.41	10.080	27.382	31.831	36.181	0.785	1504.4	792.	0.8788E+02	1.679
900.	10.413	35.725	4.27	10.302	27.467	31.910	36.254	0.871	1507.0	891.	0.8281E+02	1.585
1000.	10.360	35.854	4.21	10.236	27.579	32.023	36.367	0.950	1508.7	989.	0.7466E+02	1.887
1100.	8.672	35.558	4.38	8.548	27.628	32.110	36.493	1.022	1503.8	1088.	0.6852E+02	1.682
1200.	8.580	35.646	4.56	8.444	27.713	32.198	36.582	1.087	1505.3	1187.	0.6238E+02	1.664
1300.	8.091	35.601	4.66	7.948	27.754	32.250	36.646	1.148	1505.0	1285.	0.5919E+02	1.324
1400.	6.306	35.281	5.05	6.170	27.753	32.293	36.731	1.205	1499.4	1384.	0.5555E+02	1.351
1500.	5.533	35.159	5.28	5.395	27.754	32.314	36.772	1.260	1497.9	1482.	0.5419E+02	0.977
1600.	4.940	35.075	5.51	4.800	27.758	32.334	36.807	1.313	1497.0	1581.	0.5288E+02	0.941
1700.	4.740	35.071	5.63	4.592	27.779	32.360	36.838	1.365	1497.9	1679.	0.5137E+02	0.959
1800.	4.235	34.995	5.88	4.084	27.774	32.369	36.860	1.416	1497.4	1778.	0.5073E+02	0.775
1900.	4.046	34.980	6.02	3.887	27.783	32.383	36.879	1.467	1498.2	1876.	0.5006E+02	0.762
2000.	3.927	34.977	6.11	3.761	27.793	32.396	36.896	1.517	1499.4	1974.	0.4952E+02	0.726

CTD11011



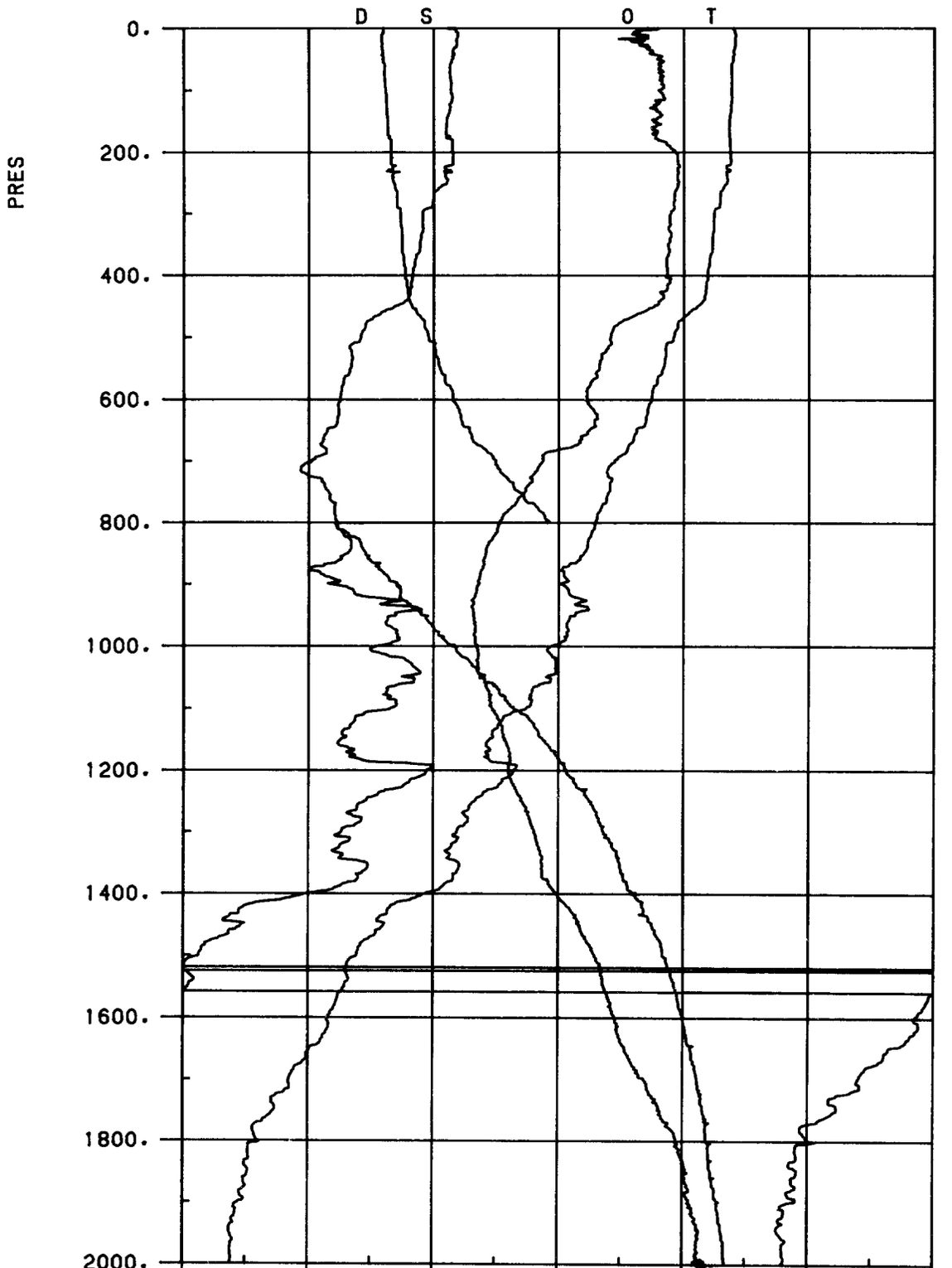
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11011 H 1984/71/0829 45 40.90N 13 1.40W

DISCOVERY 145 STATION 11011

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	11.881	35.629	5.63	11.880	27.102	31.513	35.827	0.010	1497.3	10.	0.9541E+02	-9.999
20.	11.885	35.630	5.66	11.882	27.102	31.513	35.827	0.019	1497.5	20.	0.9569E+02	-0.070
40.	11.889	35.630	5.65	11.883	27.101	31.513	35.826	0.038	1497.9	40.	0.9628E+02	-0.231
60.	11.888	35.630	5.73	11.880	27.102	31.513	35.827	0.058	1498.2	60.	0.9679E+02	0.283
80.	11.890	35.630	5.64	11.880	27.102	31.513	35.827	0.077	1498.5	79.	0.9733E+02	0.147
100.	11.893	35.629	5.73	11.880	27.102	31.513	35.826	0.097	1498.9	99.	0.9792E+02	-0.264
120.	11.900	35.630	5.73	11.884	27.102	31.513	35.827	0.116	1499.2	119.	0.9845E+02	0.194
140.	11.903	35.631	5.83	11.885	27.102	31.513	35.827	0.136	1499.6	139.	0.9900E+02	0.084
160.	11.904	35.631	5.87	11.883	27.102	31.514	35.827	0.156	1499.9	159.	0.9950E+02	0.312
180.	11.907	35.631	5.86	11.883	27.102	31.514	35.827	0.176	1500.2	178.	0.1001E+03	-0.190
200.	11.908	35.631	5.85	11.882	27.103	31.514	35.827	0.196	1500.6	198.	0.1006E+03	0.210
220.	11.912	35.631	5.85	11.883	27.102	31.514	35.827	0.216	1500.9	218.	0.1012E+03	-0.075
240.	11.913	35.631	5.84	11.882	27.103	31.514	35.827	0.236	1501.2	238.	0.1017E+03	0.157
260.	11.917	35.631	5.86	11.883	27.102	31.514	35.827	0.257	1501.6	258.	0.1023E+03	-0.179
280.	11.920	35.631	5.85	11.883	27.103	31.514	35.827	0.277	1501.9	278.	0.1028E+03	0.220
300.	11.917	35.631	5.81	11.878	27.103	31.515	35.828	0.298	1502.2	297.	0.1033E+03	0.264
320.	11.910	35.628	5.83	11.868	27.103	31.515	35.829	0.318	1502.5	317.	0.1038E+03	0.136
340.	11.892	35.624	5.79	11.848	27.104	31.516	35.830	0.339	1502.8	337.	0.1043E+03	0.418
360.	11.734	35.596	5.73	11.687	27.113	31.528	35.846	0.360	1502.6	357.	0.1039E+03	1.253
380.	11.473	35.557	5.28	11.424	27.132	31.553	35.876	0.381	1501.9	377.	0.1025E+03	1.814
400.	11.376	35.547	5.25	11.325	27.143	31.566	35.891	0.401	1501.9	396.	0.1019E+03	1.366
450.	11.183	35.525	5.29	11.126	27.162	31.590	35.919	0.452	1502.1	446.	0.1012E+03	1.165
500.	10.934	35.500	5.22	10.871	27.189	31.622	35.956	0.502	1502.0	495.	0.9967E+02	1.362
550.	10.764	35.487	5.09	10.696	27.211	31.647	35.985	0.552	1502.2	545.	0.9870E+02	1.221

CTD11012



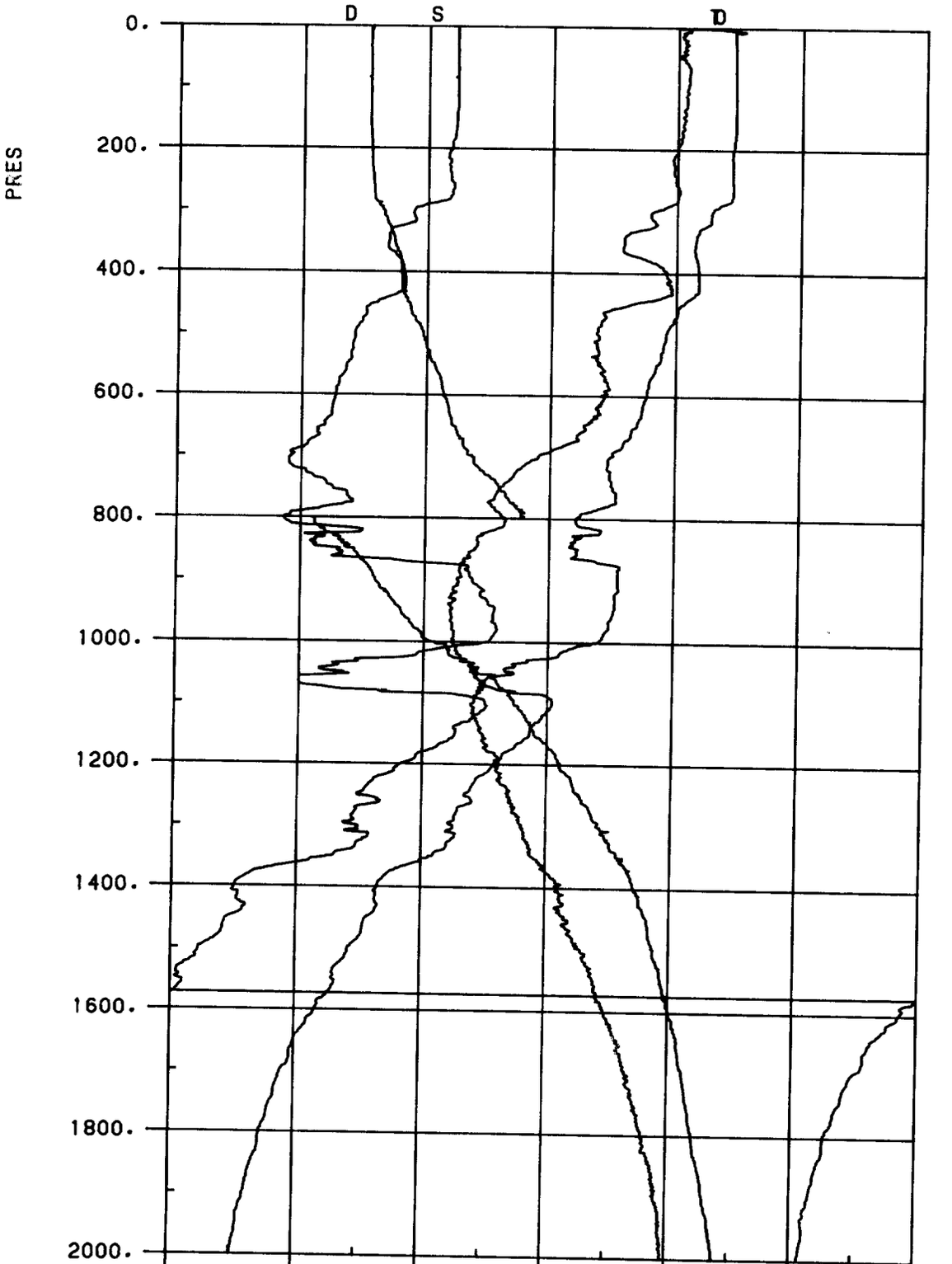
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33,8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11012 K 1984/71/2120 45 41.80N 12 42.10W

DISCOVERY 145 STATION 11012

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	11.836	35.640	5.64	11.835	27.118	31.530	35.845	0.009	1497.2	10.	0.9385E+02	-9.999
20.	11.834	35.637	5.62	11.831	27.117	31.530	35.844	0.019	1497.3	20.	0.9421E+02	-0.537
40.	11.808	35.632	5.75	11.803	27.119	31.532	35.847	0.038	1497.6	40.	0.9464E+02	0.450
60.	11.772	35.627	5.81	11.764	27.122	31.536	35.851	0.057	1497.8	60.	0.9488E+02	0.722
80.	11.777	35.628	5.82	11.767	27.122	31.536	35.851	0.076	1498.1	79.	0.9542E+02	0.118
100.	11.771	35.628	5.81	11.758	27.124	31.538	35.854	0.095	1498.4	99.	0.9579E+02	0.551
120.	11.763	35.627	5.80	11.748	27.125	31.539	35.856	0.114	1498.7	119.	0.9619E+02	0.494
140.	11.743	35.623	5.82	11.725	27.126	31.541	35.858	0.133	1499.0	139.	0.9664E+02	0.413
160.	11.731	35.620	5.76	11.710	27.127	31.542	35.859	0.153	1499.3	159.	0.9711E+02	0.357
180.	11.746	35.629	5.81	11.723	27.132	31.546	35.863	0.172	1499.7	178.	0.9723E+02	0.843
200.	11.751	35.631	5.94	11.725	27.132	31.547	35.863	0.192	1500.0	198.	0.9772E+02	0.301
220.	11.732	35.629	5.96	11.704	27.135	31.550	35.867	0.211	1500.3	218.	0.9803E+02	0.628
240.	11.698	35.620	5.95	11.667	27.135	31.551	35.868	0.231	1500.5	238.	0.9856E+02	0.195
260.	11.623	35.607	5.94	11.589	27.140	31.557	35.876	0.251	1500.5	258.	0.9860E+02	0.912
280.	11.581	35.599	5.92	11.545	27.142	31.560	35.880	0.270	1500.7	278.	0.9891E+02	0.619
300.	11.486	35.583	5.89	11.448	27.147	31.568	35.890	0.290	1500.7	297.	0.9886E+02	0.986
320.	11.482	35.583	5.88	11.441	27.149	31.569	35.892	0.310	1501.0	317.	0.9926E+02	0.472
340.	11.464	35.579	5.89	11.420	27.150	31.571	35.894	0.330	1501.3	337.	0.9969E+02	0.425
360.	11.455	35.577	5.88	11.409	27.150	31.572	35.895	0.350	1501.6	357.	0.1002E+03	0.302
380.	11.412	35.570	5.87	11.364	27.153	31.575	35.900	0.370	1501.8	377.	0.1004E+03	0.728
400.	11.386	35.566	5.87	11.335	27.156	31.579	35.903	0.390	1502.0	396.	0.1007E+03	0.653
450.	11.216	35.538	5.76	11.159	27.166	31.593	35.921	0.440	1502.2	446.	0.1008E+03	0.882
500.	10.841	35.483	5.42	10.779	27.193	31.628	35.964	0.490	1501.6	495.	0.9922E+02	1.385
550.	10.671	35.467	5.33	10.603	27.211	31.650	35.990	0.539	1501.8	545.	0.9852E+02	1.142
600.	10.489	35.451	5.23	10.416	27.232	31.675	36.019	0.588	1502.0	594.	0.9758E+02	1.206
700.	9.901	35.405	4.87	9.817	27.300	31.756	36.112	0.684	1501.5	693.	0.9279E+02	1.551
800.	9.590	35.446	4.53	9.496	27.387	31.849	36.212	0.774	1502.1	792.	0.8644E+02	1.703
900.	9.067	35.440	4.36	8.964	27.469	31.944	36.318	0.857	1501.8	891.	0.7993E+02	1.712
1000.	8.878	35.508	4.35	8.764	27.554	32.032	36.411	0.934	1502.9	989.	0.7373E+02	1.674
1100.	8.462	35.528	4.48	8.340	27.637	32.125	36.512	1.005	1503.0	1088.	0.6711E+02	1.711
1200.	8.287	35.590	4.61	8.154	27.715	32.206	36.597	1.069	1504.1	1187.	0.6147E+02	1.607
1300.	7.381	35.453	4.81	7.245	27.741	32.254	36.667	1.128	1502.2	1285.	0.5832E+02	1.305
1400.	6.858	35.397	4.99	6.716	27.772	32.298	36.723	1.185	1501.7	1384.	0.5560E+02	1.228
1500.	5.770	35.224	5.30	5.630	27.777	32.330	36.782	1.239	1498.9	1482.	0.5296E+02	1.191
1600.	5.312	35.170	5.46	5.166	27.791	32.356	36.820	1.291	1498.7	1581.	0.5133E+02	1.011
1700.	4.699	35.079	5.70	4.552	27.789	32.371	36.851	1.342	1497.7	1679.	0.5021E+02	0.896
1800.	4.217	35.008	5.95	4.066	27.786	32.381	36.873	1.392	1497.3	1778.	0.4958E+02	0.772
1900.	3.885	34.968	6.05	3.728	27.789	32.393	36.894	1.441	1497.6	1876.	0.4873E+02	0.796
2000.	3.761	34.960	6.11	3.598	27.796	32.403	36.908	1.490	1498.7	1974.	0.4845E+02	0.653

CTD11013



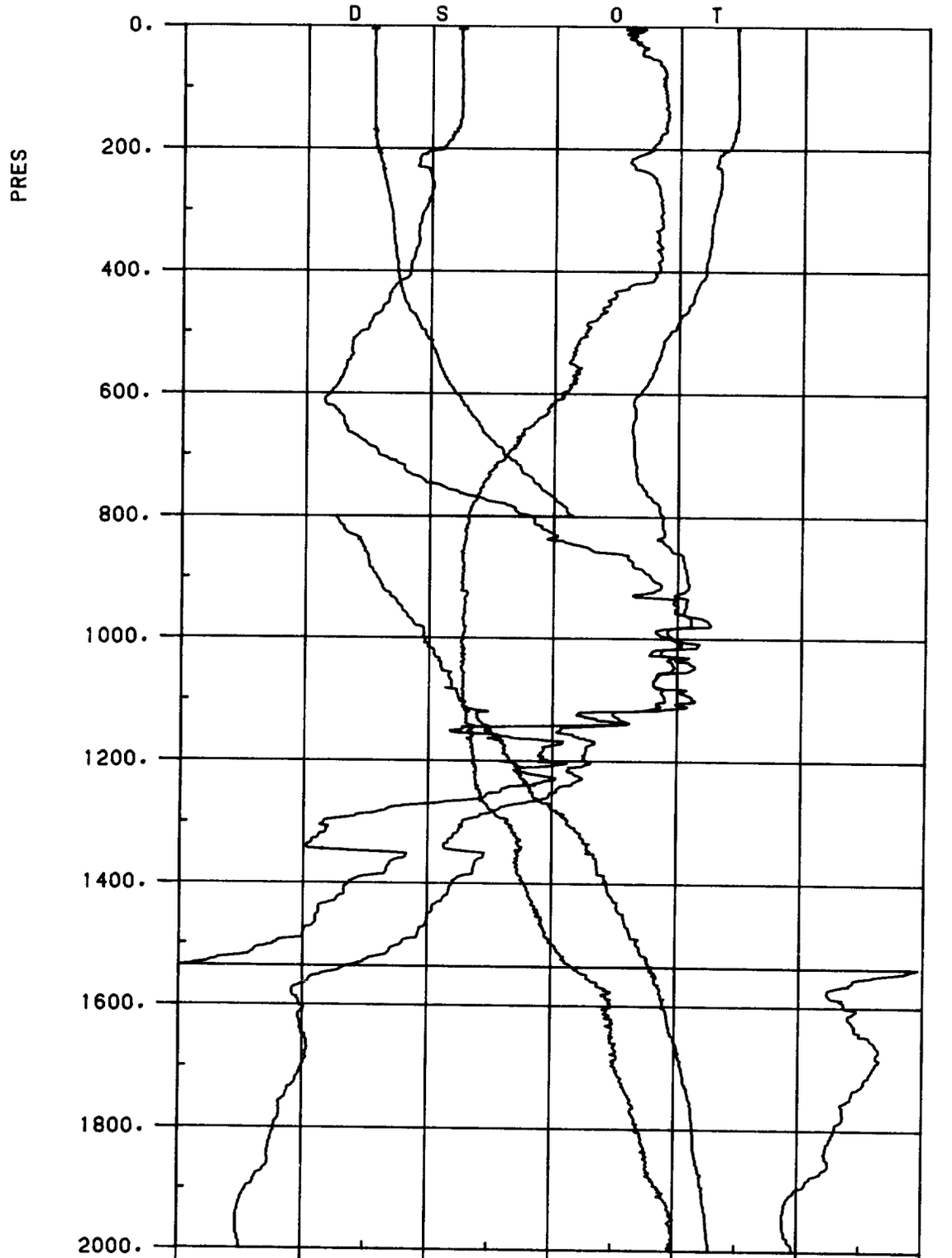
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11013 K 1984/71/2335 45 39.00N 12 45.30W

DISCOVERY 145 STATION 11013

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	11.920	35.646	6.50	11.919	27.107	31.518	35.830	0.009	1497.5	10.	0.9490E+02	-9.999
20.	11.922	35.646	6.05	11.920	27.107	31.518	35.830	0.019	1497.7	20.	0.9519E+02	-0.156
40.	11.927	35.646	6.05	11.922	27.107	31.517	35.830	0.038	1498.0	40.	0.9578E+02	-0.231
60.	11.929	35.646	6.08	11.922	27.107	31.517	35.830	0.057	1498.3	60.	0.9634E+02	-0.085
80.	11.932	35.646	6.09	11.922	27.107	31.518	35.830	0.077	1498.7	79.	0.9686E+02	0.246
100.	11.936	35.647	6.08	11.923	27.107	31.517	35.830	0.096	1499.0	99.	0.9742E+02	-0.099
120.	11.939	35.647	6.07	11.923	27.107	31.517	35.830	0.116	1499.4	119.	0.9798E+02	-0.085
140.	11.936	35.645	6.06	11.918	27.107	31.517	35.830	0.135	1499.7	139.	0.9855E+02	-0.149
160.	11.934	35.644	6.04	11.913	27.107	31.518	35.831	0.155	1500.0	159.	0.9907E+02	0.224
180.	11.922	35.642	6.03	11.899	27.108	31.519	35.832	0.175	1500.3	178.	0.9953E+02	0.390
200.	11.903	35.638	6.00	11.877	27.109	31.520	35.834	0.195	1500.6	198.	0.9999E+02	0.402
220.	11.893	35.636	5.97	11.864	27.110	31.522	35.835	0.215	1500.8	218.	0.1004E+03	0.391
240.	11.888	35.636	5.97	11.856	27.112	31.523	35.837	0.235	1501.2	238.	0.1008E+03	0.522
260.	11.902	35.641	6.01	11.868	27.113	31.525	35.839	0.255	1501.5	258.	0.1012E+03	0.529
280.	11.871	35.635	6.00	11.834	27.115	31.527	35.841	0.275	1501.8	278.	0.1016E+03	0.459
300.	11.566	35.578	5.81	11.528	27.129	31.547	35.868	0.296	1501.0	297.	0.1007E+03	1.585
320.	11.518	35.575	5.83	11.477	27.136	31.556	35.877	0.316	1501.1	317.	0.1005E+03	1.090
340.	11.316	35.538	5.59	11.272	27.145	31.569	35.895	0.336	1500.7	337.	0.1000E+03	1.291
360.	11.285	35.537	5.57	11.239	27.150	31.575	35.902	0.356	1500.9	357.	0.1000E+03	0.948
380.	11.336	35.557	5.77	11.287	27.157	31.581	35.907	0.376	1501.5	377.	0.9995E+02	1.013
400.	11.354	35.562	5.92	11.303	27.158	31.582	35.907	0.396	1501.9	396.	0.1004E+03	0.364
450.	11.094	35.515	5.64	11.037	27.171	31.600	35.931	0.446	1501.7	446.	0.1003E+03	0.978
500.	10.837	35.484	5.37	10.774	27.194	31.629	35.966	0.496	1501.6	495.	0.9909E+02	1.281
550.	10.682	35.471	5.39	10.614	27.213	31.651	35.991	0.546	1501.9	545.	0.9841E+02	1.139
600.	10.529	35.454	5.41	10.455	27.228	31.670	36.013	0.595	1502.2	594.	0.9805E+02	1.033
700.	9.954	35.384	4.90	9.870	27.275	31.730	36.086	0.692	1501.7	693.	0.9519E+02	1.327
800.	9.423	35.373	4.64	9.330	27.357	31.824	36.191	0.784	1501.4	792.	0.8892E+02	1.693
900.	10.102	35.677	4.26	9.993	27.483	31.933	36.284	0.868	1505.9	891.	0.8070E+02	1.880
1000.	9.731	35.698	4.23	9.611	27.564	32.022	36.381	0.947	1506.2	989.	0.7471E+02	1.674
1100.	9.078	35.700	4.40	8.950	27.675	32.148	36.521	1.016	1505.5	1088.	0.6508E+02	1.999
1200.	8.144	35.565	4.61	8.013	27.716	32.211	36.605	1.079	1503.5	1187.	0.6093E+02	1.448
1300.	7.492	35.491	4.80	7.355	27.756	32.266	36.676	1.138	1502.6	1285.	0.5732E+02	1.364
1400.	6.290	35.300	5.09	6.154	27.770	32.310	36.749	1.193	1499.4	1384.	0.5390E+02	1.313
1500.	5.839	35.244	5.29	5.697	27.784	32.336	36.786	1.246	1499.2	1482.	0.5250E+02	0.991
1600.	5.311	35.171	5.48	5.165	27.791	32.357	36.821	1.298	1498.7	1581.	0.5125E+02	0.946
1700.	4.784	35.095	5.66	4.636	27.793	32.373	36.850	1.349	1498.1	1679.	0.5025E+02	0.876
1800.	4.454	35.052	5.79	4.299	27.796	32.385	36.871	1.399	1498.3	1778.	0.4965E+02	0.771
1900.	4.200	35.028	5.90	4.039	27.805	32.400	36.893	1.448	1498.9	1876.	0.4876E+02	0.820
2000.	3.998	35.012	5.98	3.831	27.814	32.415	36.913	1.496	1499.8	1974.	0.4796E+02	0.791

CTD11014



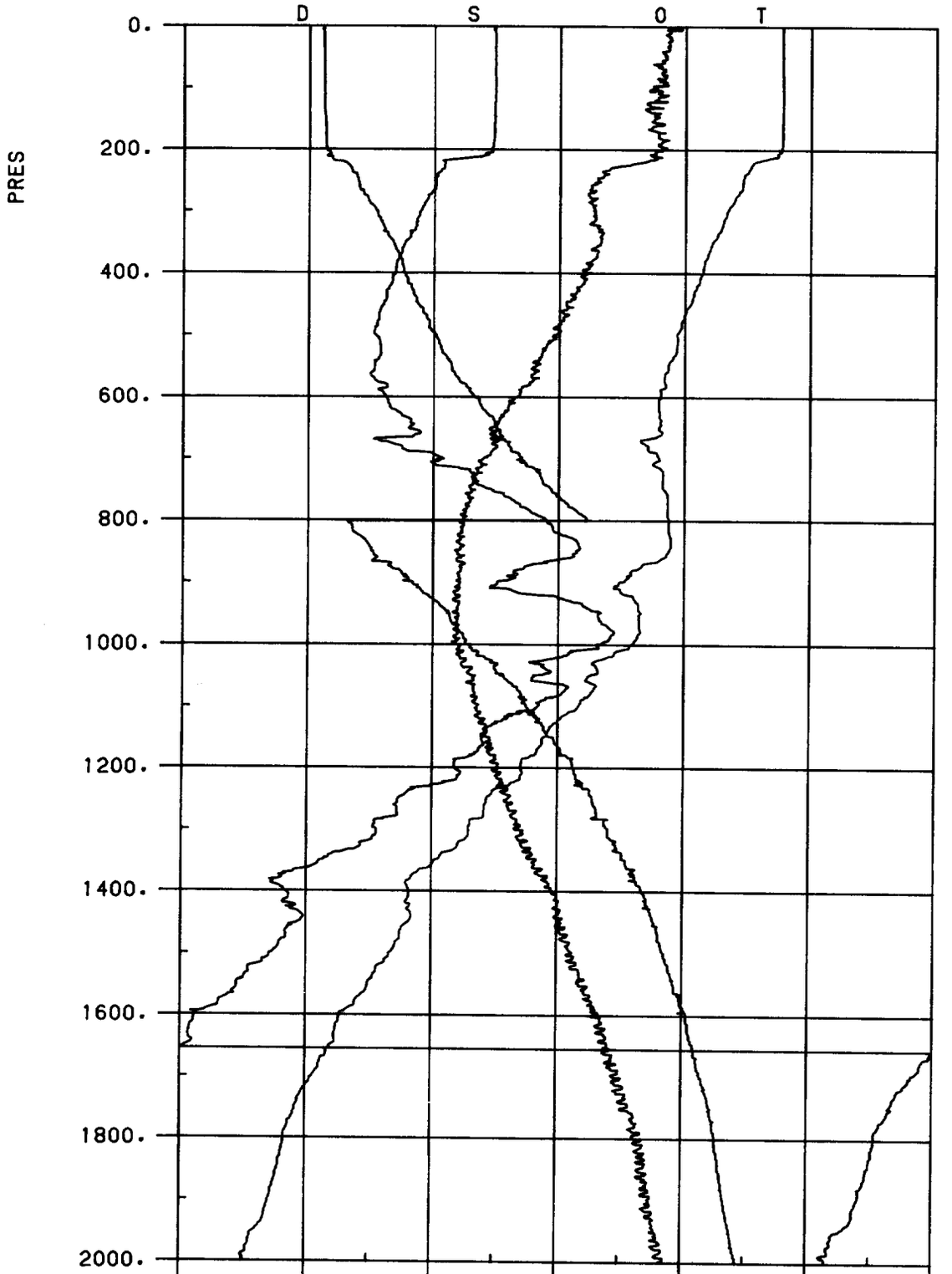
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11014 J 1984/72/0339 45 26.54N 13 16.84W

DISCOVERY 145 STATION 11014

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	11.926	35.648	5.66	11.925	27.107	31.518	35.830	0.009	1497.5	10.	0.9487E+02	-9.999
20.	11.926	35.648	5.62	11.924	27.108	31.518	35.831	0.019	1497.7	20.	0.9510E+02	0.399
40.	11.934	35.647	5.70	11.929	27.106	31.517	35.829	0.038	1498.0	40.	0.9581E+02	-0.499
60.	11.935	35.649	5.84	11.927	27.108	31.518	35.830	0.057	1498.4	60.	0.9625E+02	0.434
80.	11.938	35.649	5.88	11.927	27.108	31.518	35.831	0.077	1498.7	79.	0.9678E+02	0.225
100.	11.940	35.649	5.88	11.927	27.108	31.518	35.830	0.096	1499.0	99.	0.9736E+02	-0.202
120.	11.942	35.648	5.89	11.926	27.108	31.518	35.830	0.116	1499.4	119.	0.9792E+02	-0.083
140.	11.942	35.648	5.91	11.923	27.108	31.518	35.831	0.135	1499.7	139.	0.9846E+02	0.151
160.	11.930	35.644	5.89	11.909	27.108	31.519	35.831	0.155	1500.0	159.	0.9901E+02	0.117
180.	11.881	35.633	5.84	11.858	27.109	31.521	35.835	0.175	1500.1	178.	0.9942E+02	0.481
200.	11.797	35.616	5.78	11.771	27.112	31.526	35.842	0.195	1500.2	198.	0.9961E+02	0.771
220.	11.620	35.581	5.61	11.592	27.119	31.536	35.856	0.215	1499.8	218.	0.9949E+02	1.058
240.	11.675	35.599	5.76	11.644	27.123	31.539	35.858	0.234	1500.4	238.	0.9967E+02	0.774
260.	11.671	35.604	5.83	11.637	27.128	31.544	35.863	0.254	1500.7	258.	0.9973E+02	0.894
280.	11.622	35.596	5.85	11.585	27.132	31.550	35.869	0.274	1500.9	278.	0.9985E+02	0.839
300.	11.571	35.589	5.86	11.532	27.136	31.555	35.876	0.294	1501.0	297.	0.9997E+02	0.845
320.	11.537	35.583	5.86	11.495	27.139	31.558	35.879	0.314	1501.2	317.	0.1003E+03	0.642
340.	11.518	35.580	5.83	11.474	27.140	31.560	35.882	0.334	1501.5	337.	0.1006E+03	0.495
360.	11.494	35.577	5.86	11.448	27.143	31.563	35.886	0.355	1501.7	357.	0.1009E+03	0.715
380.	11.465	35.572	5.86	11.416	27.145	31.566	35.889	0.375	1501.9	377.	0.1012E+03	0.550
400.	11.432	35.566	5.83	11.381	27.147	31.569	35.893	0.395	1502.1	396.	0.1015E+03	0.659
450.	11.228	35.532	5.44	11.171	27.159	31.586	35.914	0.446	1502.2	446.	0.1015E+03	0.942
500.	10.868	35.488	5.26	10.805	27.191	31.626	35.962	0.496	1501.7	495.	0.9937E+02	1.508
550.	10.646	35.465	5.13	10.578	27.214	31.654	35.994	0.545	1501.8	545.	0.9821E+02	1.269
600.	10.383	35.439	5.07	10.310	27.242	31.687	36.033	0.594	1501.6	594.	0.9655E+02	1.391
700.	10.300	35.518	4.62	10.215	27.320	31.767	36.114	0.688	1503.1	693.	0.9149E+02	1.584
800.	10.766	35.765	4.31	10.665	27.433	31.868	36.205	0.776	1506.7	792.	0.8415E+02	1.814
900.	11.161	35.958	4.27	11.044	27.514	31.941	36.268	0.857	1510.0	891.	0.7976E+02	1.529
1000.	10.926	35.989	4.28	10.797	27.584	32.015	36.348	0.935	1510.8	989.	0.7537E+02	1.531
1100.	10.805	36.026	4.27	10.664	27.637	32.070	36.405	1.009	1512.1	1088.	0.7273E+02	1.321
1200.	9.550	35.794	4.36	9.407	27.674	32.136	36.498	1.079	1509.0	1187.	0.6858E+02	1.485
1300.	7.566	35.433	4.63	7.428	27.699	32.208	36.617	1.145	1502.8	1285.	0.6277E+02	1.629
1400.	7.396	35.473	4.78	7.248	27.757	32.270	36.682	1.205	1503.9	1384.	0.5868E+02	1.412
1500.	6.581	35.354	5.01	6.431	27.776	32.309	36.741	1.263	1502.3	1482.	0.5587E+02	1.236
1600.	4.954	35.075	5.49	4.812	27.756	32.332	36.805	1.317	1497.1	1581.	0.5308E+02	1.194
1700.	4.997	35.121	5.52	4.845	27.789	32.363	36.835	1.369	1499.0	1679.	0.5144E+02	0.987
1800.	4.554	35.059	5.71	4.398	27.790	32.377	36.860	1.420	1498.8	1778.	0.5061E+02	0.830
1900.	4.109	34.996	5.89	3.949	27.788	32.386	36.881	1.470	1498.5	1876.	0.4985E+02	0.792
2000.	4.023	34.995	6.00	3.855	27.797	32.398	36.896	1.520	1499.8	1974.	0.4958E+02	0.666

CTD11015



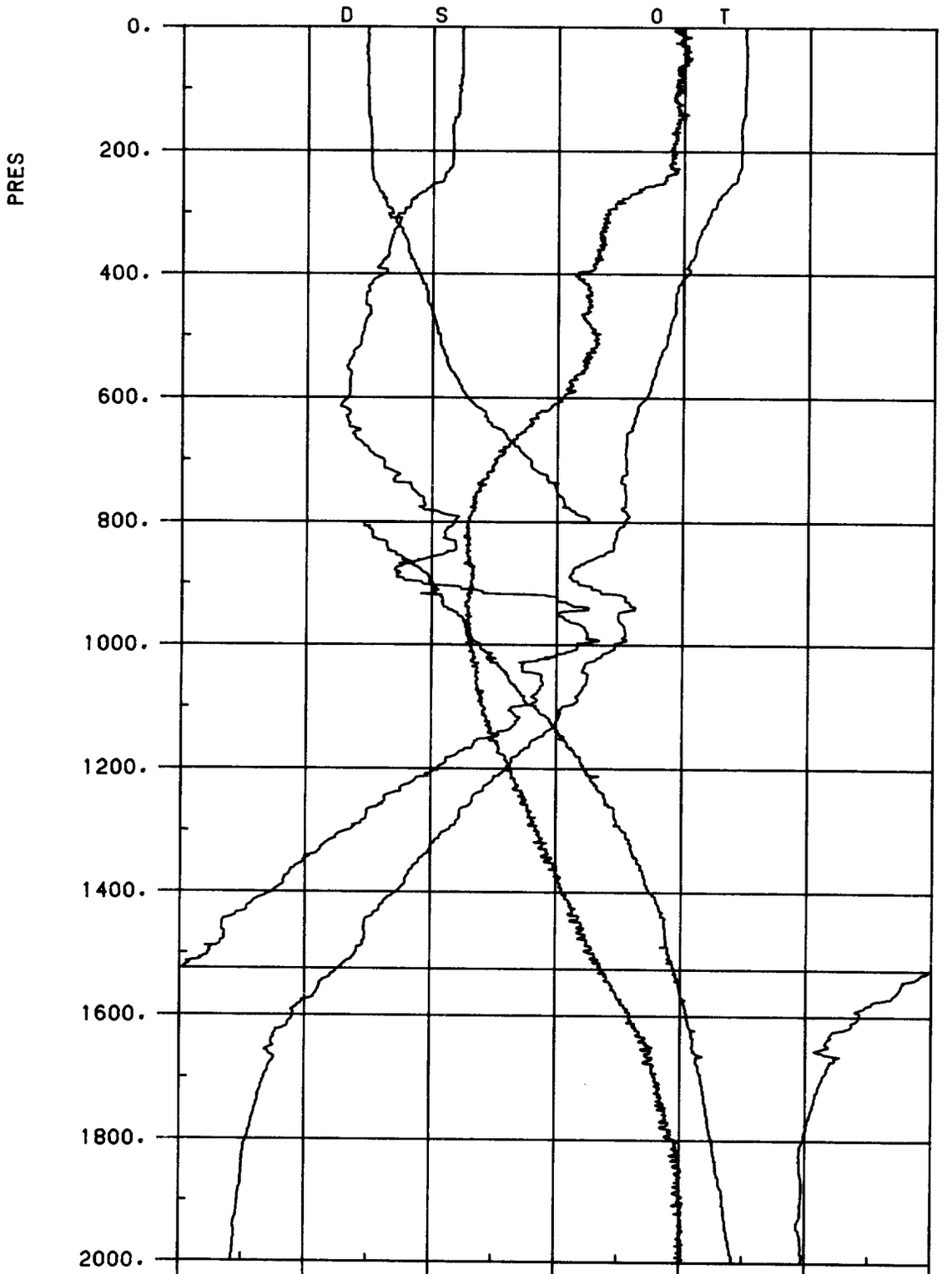
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMAO (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11015 L 1984/72/0509 43 21.29N 14 19.78W

DISCOVERY 145 STATION 11016

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.168	35.658	6.61	12.167	27.069	31.474	35.782	0.010	1498.3	10.	0.9852E+02	-9.999
20.	12.170	35.659	6.55	12.167	27.069	31.475	35.783	0.020	1498.5	20.	0.9878E+02	0.303
40.	12.173	35.660	6.44	12.168	27.070	31.475	35.783	0.040	1498.9	40.	0.9928E+02	0.310
60.	12.173	35.660	6.26	12.165	27.070	31.476	35.784	0.059	1499.2	60.	0.9982E+02	0.241
80.	12.178	35.660	6.34	12.167	27.070	31.476	35.784	0.079	1499.5	79.	0.1004E+03	0.183
100.	12.160	35.660	6.15	12.148	27.074	31.480	35.788	0.100	1499.8	99.	0.1006E+03	0.727
120.	12.159	35.660	6.09	12.144	27.074	31.480	35.788	0.120	1500.1	119.	0.1011E+03	0.308
140.	12.120	35.655	6.21	12.102	27.079	31.486	35.795	0.140	1500.3	139.	0.1012E+03	0.853
160.	12.073	35.651	6.23	12.052	27.085	31.493	35.803	0.160	1500.5	159.	0.1012E+03	1.011
180.	12.055	35.650	6.07	12.031	27.088	31.497	35.807	0.180	1500.8	178.	0.1014E+03	0.723
200.	11.971	35.633	6.08	11.944	27.092	31.502	35.815	0.201	1500.8	198.	0.1016E+03	0.824
220.	11.725	35.585	5.66	11.696	27.102	31.517	35.835	0.221	1500.2	218.	0.1011E+03	1.296
240.	11.638	35.579	5.76	11.607	27.115	31.532	35.851	0.241	1500.2	238.	0.1004E+03	1.444
260.	11.483	35.561	5.46	11.450	27.130	31.551	35.873	0.261	1500.0	258.	0.9941E+02	1.610
280.	11.435	35.557	5.35	11.399	27.136	31.558	35.882	0.281	1500.2	278.	0.9932E+02	1.020
300.	11.327	35.542	5.27	11.289	27.145	31.570	35.895	0.301	1500.1	297.	0.9894E+02	1.235
320.	11.285	35.540	5.39	11.244	27.151	31.576	35.903	0.321	1500.3	317.	0.9887E+02	0.994
340.	11.229	35.534	5.34	11.186	27.158	31.584	35.912	0.340	1500.4	337.	0.9878E+02	1.015
360.	11.168	35.529	5.31	11.122	27.166	31.593	35.922	0.360	1500.5	357.	0.9851E+02	1.151
380.	11.080	35.520	5.27	11.033	27.175	31.605	35.936	0.380	1500.5	377.	0.9805E+02	1.276
400.	11.033	35.519	5.16	10.983	27.183	31.614	35.946	0.399	1500.7	396.	0.9776E+02	1.158
450.	10.865	35.504	5.16	10.809	27.203	31.637	35.973	0.448	1500.9	446.	0.9701E+02	1.166
500.	10.724	35.492	5.14	10.662	27.220	31.658	35.997	0.497	1501.2	495.	0.9649E+02	1.093
550.	10.530	35.478	5.13	10.463	27.245	31.686	36.029	0.545	1501.4	545.	0.9522E+02	1.298
600.	10.436	35.486	4.90	10.363	27.269	31.712	36.057	0.592	1501.9	594.	0.9409E+02	1.255
700.	10.400	35.569	4.55	10.314	27.342	31.786	36.131	0.685	1503.5	693.	0.8959E+02	1.525
800.	10.260	35.681	4.33	10.162	27.456	31.903	36.251	0.770	1504.8	792.	0.8108E+02	1.916
900.	9.907	35.700	4.29	9.798	27.534	31.988	36.343	0.848	1505.2	891.	0.7553E+02	1.632
1000.	9.405	35.708	4.31	9.288	27.626	32.091	36.457	0.920	1505.1	990.	0.6821E+02	1.798
1100.	9.166	35.736	4.40	9.038	27.689	32.160	36.530	0.986	1505.9	1088.	0.6400E+02	1.472
1200.	8.315	35.623	4.58	8.182	27.736	32.226	36.616	1.048	1504.2	1187.	0.5960E+02	1.481
1300.	7.041	35.413	4.84	6.909	27.757	32.279	36.699	1.105	1500.8	1286.	0.5581E+02	1.382
1400.	6.084	35.276	5.10	5.950	27.777	32.323	36.767	1.160	1498.5	1384.	0.5254E+02	1.285
1500.	5.334	35.160	5.35	5.199	27.779	32.344	36.807	1.211	1497.1	1483.	0.5117E+02	0.971
1600.	4.765	35.083	5.61	4.626	27.784	32.364	36.842	1.262	1496.3	1581.	0.4970E+02	0.948
1700.	4.430	35.038	5.77	4.286	27.786	32.375	36.861	1.311	1496.6	1680.	0.4941E+02	0.719
1800.	4.142	35.002	5.97	3.992	27.789	32.386	36.880	1.360	1497.0	1778.	0.4892E+02	0.730
1900.	3.985	34.993	5.99	3.828	27.798	32.400	36.898	1.409	1498.0	1876.	0.4833E+02	0.742
2000.	3.945	35.007	6.00	3.778	27.815	32.417	36.917	1.457	1499.5	1975.	0.4761E+02	0.765

CTD11017



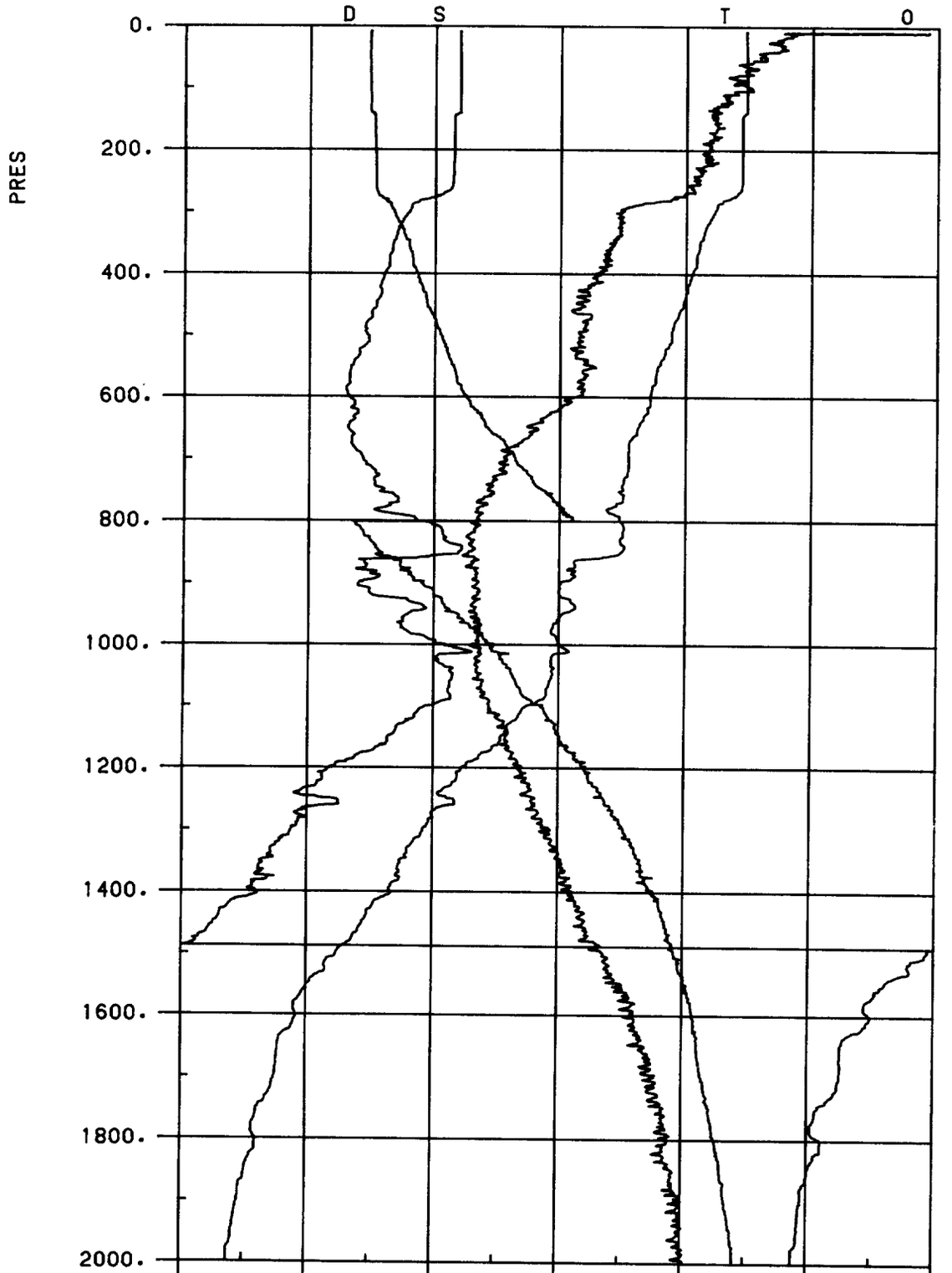
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11017 M 1984/73/2046 43 37.43N 14 15.01W

DISCOVERY 145 STATION 11017

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	11.982	35.647	5.97	11.981	27.096	31.505	35.817	0.010	1497.7	10.	0.9597E+02	-9.999
20.	11.985	35.647	6.00	11.982	27.096	31.505	35.817	0.019	1497.9	20.	0.9623E+02	0.240
40.	11.989	35.647	6.02	11.984	27.096	31.505	35.816	0.039	1498.2	40.	0.9683E+02	-0.260
60.	11.988	35.647	6.00	11.980	27.096	31.506	35.817	0.058	1498.5	60.	0.9733E+02	0.308
80.	11.985	35.645	5.99	11.974	27.096	31.505	35.817	0.077	1498.9	79.	0.9793E+02	-0.271
100.	11.975	35.643	5.96	11.961	27.097	31.506	35.818	0.097	1499.1	99.	0.9840E+02	0.381
120.	11.970	35.641	5.94	11.954	27.097	31.507	35.819	0.117	1499.5	119.	0.9893E+02	0.196
140.	11.967	35.641	6.00	11.949	27.097	31.507	35.819	0.137	1499.8	139.	0.9944E+02	0.286
160.	11.913	35.631	5.95	11.892	27.101	31.512	35.825	0.157	1499.9	159.	0.9965E+02	0.764
180.	11.917	35.632	5.94	11.894	27.101	31.513	35.826	0.177	1500.3	178.	0.1002E+03	0.276
200.	11.915	35.632	5.92	11.889	27.102	31.513	35.827	0.197	1500.6	198.	0.1006E+03	0.333
220.	11.914	35.631	5.90	11.885	27.102	31.514	35.827	0.217	1500.9	218.	0.1012E+03	0.184
240.	11.856	35.619	5.86	11.825	27.104	31.517	35.832	0.237	1501.0	238.	0.1015E+03	0.604
260.	11.695	35.591	5.67	11.662	27.114	31.530	35.848	0.257	1500.8	258.	0.1011E+03	1.280
280.	11.534	35.565	5.48	11.498	27.124	31.544	35.865	0.277	1500.5	278.	0.1005E+03	1.350
300.	11.426	35.553	5.40	11.387	27.136	31.558	35.881	0.298	1500.5	297.	0.9991E+02	1.381
320.	11.336	35.545	5.37	11.295	27.146	31.570	35.896	0.318	1500.5	317.	0.9940E+02	1.322
340.	11.242	35.535	5.35	11.199	27.156	31.582	35.910	0.337	1500.5	337.	0.9890E+02	1.308
360.	11.194	35.530	5.33	11.148	27.162	31.589	35.917	0.357	1500.6	357.	0.9887E+02	0.962
380.	11.100	35.520	5.31	11.052	27.171	31.600	35.931	0.377	1500.6	377.	0.9843E+02	1.264
400.	11.056	35.520	5.15	11.005	27.180	31.610	35.942	0.396	1500.8	396.	0.9805E+02	1.227
450.	10.870	35.495	5.27	10.814	27.195	31.630	35.965	0.445	1500.9	446.	0.9772E+02	1.035
500.	10.748	35.487	5.31	10.686	27.212	31.649	35.987	0.494	1501.3	495.	0.9728E+02	1.069
550.	10.570	35.464	5.23	10.503	27.227	31.668	36.010	0.543	1501.5	545.	0.9691E+02	1.039
600.	10.409	35.465	5.04	10.336	27.257	31.702	36.047	0.591	1501.7	594.	0.9513E+02	1.419
700.	10.102	35.523	4.51	10.018	27.358	31.809	36.161	0.682	1502.4	693.	0.8762E+02	1.823
800.	10.085	35.636	4.29	9.988	27.452	31.902	36.254	0.767	1504.1	792.	0.8122E+02	1.717
900.	9.346	35.586	4.32	9.242	27.538	32.005	36.373	0.845	1503.0	891.	0.7407E+02	1.783
1000.	9.929	35.833	4.32	9.808	27.636	32.089	36.443	0.916	1507.1	990.	0.6841E+02	1.635
1100.	9.122	35.736	4.42	8.994	27.696	32.167	36.539	0.982	1505.7	1088.	0.6327E+02	1.579
1200.	8.201	35.611	4.60	8.069	27.744	32.237	36.630	1.042	1503.8	1187.	0.5852E+02	1.518
1300.	7.241	35.465	4.85	7.107	27.770	32.287	36.702	1.099	1501.6	1286.	0.5521E+02	1.324
1400.	6.448	35.346	5.05	6.310	27.786	32.322	36.757	1.153	1500.1	1384.	0.5297E+02	1.152
1500.	5.807	35.245	5.30	5.666	27.789	32.342	36.793	1.205	1499.1	1483.	0.5192E+02	0.933
1600.	4.805	35.084	5.60	4.666	27.781	32.360	36.836	1.256	1496.5	1581.	0.5029E+02	1.000
1700.	4.353	35.026	5.80	4.210	27.785	32.376	36.864	1.306	1496.2	1680.	0.4918E+02	0.876
1800.	4.063	34.995	5.96	3.914	27.791	32.390	36.886	1.355	1496.7	1778.	0.4837E+02	0.796
1900.	3.939	34.993	6.00	3.782	27.803	32.406	36.906	1.403	1497.8	1876.	0.4765E+02	0.768
2000.	3.838	34.994	6.01	3.672	27.815	32.421	36.923	1.450	1499.1	1975.	0.4704E+02	0.738
2200.	3.566	34.993	6.04	3.385	27.843	32.456	36.965	1.542	1501.3	2171.	0.4491E+02	0.827
2400.	3.332	34.983	6.06	3.136	27.859	32.479	36.995	1.631	1503.7	2367.	0.4379E+02	0.702
2600.	3.101	34.972	5.97	2.889	27.873	32.499	37.022	1.717	1506.1	2563.	0.4262E+02	0.696
2800.	2.933	34.958	5.96	2.705	27.879	32.510	37.038	1.802	1508.7	2759.	0.4241E+02	0.552
3000.	2.824	34.949	5.97	2.577	27.882	32.517	37.049	1.887	1511.6	2955.	0.4269E+02	0.461
3500.	2.612	34.926	5.91	2.317	27.887	32.529	37.068	2.102	1519.2	3444.	0.4375E+02	0.418
4000.	2.531	34.912	5.86	2.181	27.886	32.533	37.075	2.326	1527.5	3931.	0.4597E+02	0.293
4500.	2.507	34.905	5.88	2.099	27.887	32.536	37.081	2.562	1536.0	4417.	0.4844E+02	0.256

CTD11018



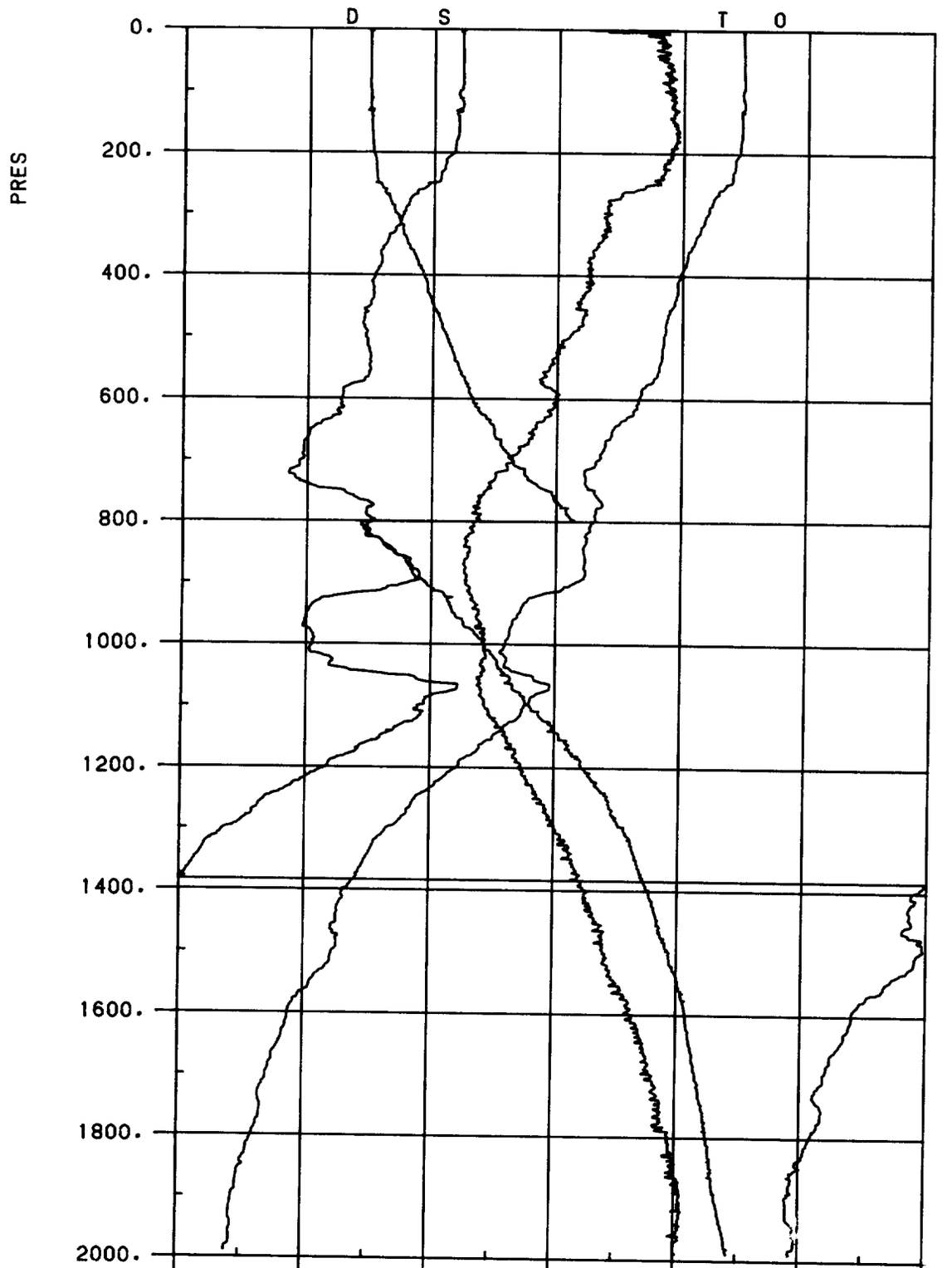
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11018 L 1984/74/0223 43 45.73N 14 5.00W

DISCOVERY 145 STATION 11018

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	11.947	35.638	7.21	11.946	27.096	31.506	35.818	0.010	1497.6	10.	0.9598E+02	-9.999
20.	11.950	35.639	6.75	11.947	27.096	31.506	35.818	0.019	1497.7	20.	0.9622E+02	0.380
40.	11.955	35.639	6.69	11.950	27.096	31.506	35.818	0.039	1498.1	40.	0.9680E+02	-0.197
60.	11.958	35.640	6.46	11.951	27.096	31.506	35.818	0.058	1498.4	60.	0.9732E+02	0.260
80.	11.960	35.640	6.38	11.949	27.097	31.507	35.819	0.077	1498.8	79.	0.9784E+02	0.225
100.	11.961	35.640	6.50	11.948	27.097	31.507	35.819	0.097	1499.1	99.	0.9837E+02	0.220
120.	11.960	35.640	6.34	11.944	27.098	31.508	35.820	0.117	1499.4	119.	0.9886E+02	0.324
140.	11.946	35.639	6.24	11.928	27.100	31.510	35.823	0.137	1499.7	139.	0.9922E+02	0.578
160.	11.893	35.631	6.25	11.872	27.104	31.516	35.830	0.156	1499.8	159.	0.9932E+02	0.869
180.	11.891	35.630	6.24	11.868	27.105	31.516	35.830	0.176	1500.2	178.	0.9984E+02	0.224
200.	11.892	35.630	6.19	11.866	27.105	31.517	35.831	0.196	1500.5	198.	0.1003E+03	0.304
220.	11.889	35.629	6.22	11.861	27.105	31.517	35.831	0.216	1500.8	218.	0.1009E+03	0.151
240.	11.889	35.629	6.08	11.857	27.106	31.517	35.831	0.237	1501.2	238.	0.1014E+03	0.196
260.	11.877	35.626	6.05	11.843	27.106	31.519	35.833	0.257	1501.4	258.	0.1019E+03	0.362
280.	11.604	35.580	5.84	11.568	27.122	31.540	35.860	0.277	1500.8	278.	0.1008E+03	1.660
300.	11.446	35.558	5.47	11.407	27.136	31.557	35.880	0.297	1500.5	297.	0.9994E+02	1.512
320.	11.337	35.545	5.48	11.296	27.146	31.570	35.895	0.317	1500.5	317.	0.9944E+02	1.313
340.	11.270	35.538	5.46	11.227	27.153	31.579	35.906	0.337	1500.6	337.	0.9919E+02	1.134
360.	11.208	35.532	5.39	11.162	27.161	31.588	35.916	0.357	1500.7	357.	0.9895E+02	1.126
380.	11.170	35.528	5.37	11.122	27.165	31.593	35.922	0.377	1500.9	377.	0.9907E+02	0.826
400.	11.092	35.520	5.30	11.042	27.173	31.603	35.933	0.397	1500.9	396.	0.9874E+02	1.187
450.	10.960	35.507	5.18	10.904	27.188	31.621	35.954	0.446	1501.3	446.	0.9849E+02	1.016
500.	10.786	35.495	5.17	10.724	27.212	31.648	35.985	0.495	1501.5	495.	0.9739E+02	1.257
550.	10.569	35.468	5.26	10.501	27.230	31.671	36.013	0.543	1501.5	545.	0.9662E+02	1.163
600.	10.441	35.465	5.13	10.367	27.252	31.695	36.040	0.592	1501.9	594.	0.9570E+02	1.200
700.	10.103	35.487	4.57	10.019	27.329	31.780	36.132	0.685	1502.3	693.	0.9031E+02	1.616
800.	9.972	35.577	4.35	9.876	27.424	31.878	36.232	0.772	1503.6	792.	0.8355E+02	1.749
900.	9.032	35.481	4.35	8.930	27.507	31.981	36.356	0.852	1501.8	891.	0.7638E+02	1.780
1000.	9.008	35.618	4.30	8.894	27.620	32.094	36.469	0.924	1503.5	990.	0.6795E+02	1.887
1100.	8.488	35.589	4.45	8.366	27.681	32.168	36.554	0.990	1503.2	1088.	0.6309E+02	1.532
1200.	7.463	35.434	4.69	7.338	27.713	32.224	36.635	1.051	1500.8	1187.	0.5936E+02	1.382
1300.	6.848	35.375	4.91	6.718	27.753	32.280	36.705	1.109	1500.0	1286.	0.5560E+02	1.364
1400.	6.338	35.319	5.11	6.201	27.779	32.318	36.755	1.163	1499.6	1384.	0.5325E+02	1.159
1500.	5.471	35.186	5.37	5.334	27.783	32.344	36.804	1.215	1497.6	1483.	0.5132E+02	1.071
1600.	4.841	35.098	5.58	4.702	27.788	32.366	36.841	1.266	1496.7	1581.	0.4978E+02	0.979
1700.	4.499	35.051	5.76	4.353	27.789	32.377	36.861	1.315	1496.9	1680.	0.4938E+02	0.732
1800.	4.198	35.021	5.89	4.047	27.798	32.394	36.886	1.364	1497.3	1778.	0.4832E+02	0.854
1900.	3.914	34.990	5.95	3.757	27.804	32.407	36.907	1.412	1497.7	1876.	0.4752E+02	0.788
2000.	3.745	34.976	6.00	3.581	27.810	32.418	36.923	1.459	1498.7	1975.	0.4703E+02	0.704

CTD11019



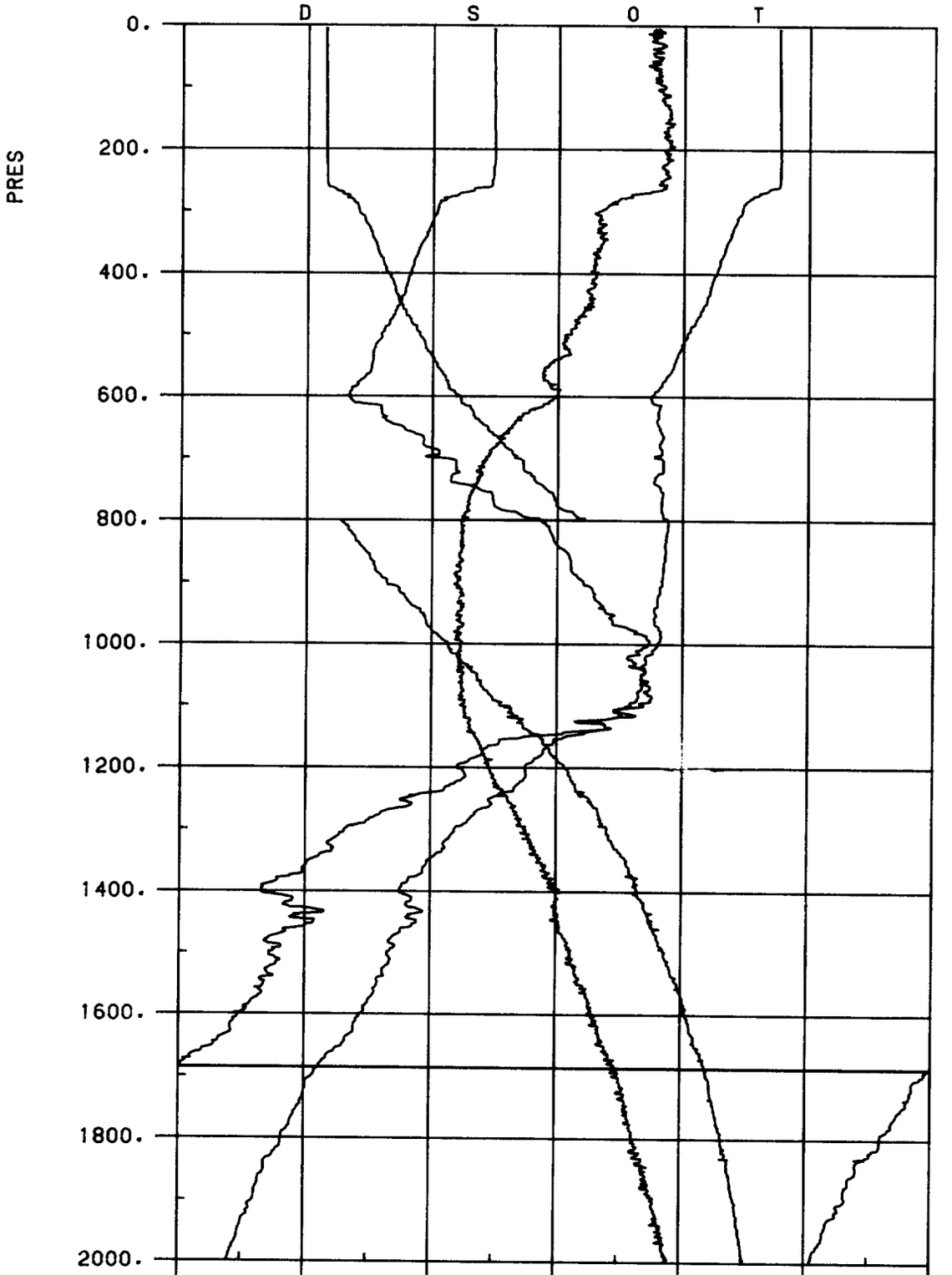
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11019 K 1984/74/0600 43 53.55N 13 58.38W

DISCOVERY 145 STATION 11019

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	11.967	35.646	5.79	11.966	27.098	31.507	35.819	0.010	1497.6	10.	0.9578E+02	-9.999
20.	11.968	35.646	5.84	11.965	27.098	31.508	35.819	0.019	1497.8	20.	0.9605E+02	0.208
40.	11.976	35.646	5.83	11.971	27.098	31.507	35.819	0.038	1498.2	40.	0.9664E+02	-0.226
60.	11.974	35.646	5.90	11.966	27.098	31.508	35.819	0.058	1498.5	60.	0.9716E+02	0.257
80.	11.980	35.647	5.90	11.970	27.098	31.507	35.819	0.077	1498.8	79.	0.9773E+02	-0.173
100.	11.957	35.641	5.87	11.944	27.099	31.509	35.821	0.097	1499.1	99.	0.9819E+02	0.398
120.	11.985	35.647	5.92	11.969	27.098	31.508	35.819	0.117	1499.5	119.	0.9881E+02	-0.313
140.	11.947	35.640	5.91	11.929	27.101	31.511	35.823	0.136	1499.7	139.	0.9915E+02	0.606
160.	11.950	35.640	5.95	11.929	27.101	31.511	35.824	0.156	1500.1	159.	0.9968E+02	0.184
180.	11.928	35.636	5.96	11.905	27.102	31.513	35.826	0.176	1500.3	178.	0.1001E+03	0.439
200.	11.903	35.631	5.91	11.876	27.104	31.515	35.829	0.196	1500.5	198.	0.1005E+03	0.597
220.	11.835	35.619	5.85	11.807	27.107	31.520	35.835	0.216	1500.6	218.	0.1006E+03	0.776
240.	11.798	35.611	5.82	11.767	27.109	31.523	35.839	0.237	1500.8	238.	0.1010E+03	0.552
260.	11.603	35.579	5.63	11.570	27.122	31.540	35.860	0.257	1500.4	258.	0.1003E+03	1.466
280.	11.474	35.561	5.41	11.438	27.132	31.553	35.876	0.277	1500.3	278.	0.9976E+02	1.325
300.	11.397	35.552	5.41	11.358	27.140	31.563	35.887	0.297	1500.4	297.	0.9947E+02	1.166
320.	11.299	35.543	5.41	11.258	27.152	31.576	35.903	0.316	1500.3	317.	0.9887E+02	1.373
340.	11.209	35.528	5.36	11.166	27.157	31.584	35.912	0.336	1500.3	337.	0.9882E+02	0.973
360.	11.109	35.517	5.28	11.063	27.167	31.596	35.926	0.356	1500.3	357.	0.9831E+02	1.318
380.	11.060	35.517	5.26	11.013	27.176	31.606	35.938	0.376	1500.5	377.	0.9791E+02	1.237
400.	10.968	35.507	5.26	10.918	27.186	31.618	35.951	0.395	1500.5	396.	0.9744E+02	1.279
450.	10.856	35.499	5.18	10.800	27.201	31.636	35.972	0.444	1500.9	446.	0.9717E+02	1.017
500.	10.711	35.493	5.09	10.649	27.224	31.661	36.000	0.492	1501.2	495.	0.9618E+02	1.228
550.	10.640	35.500	4.94	10.572	27.243	31.682	36.023	0.540	1501.8	545.	0.9551E+02	1.131
600.	10.308	35.453	5.00	10.235	27.266	31.712	36.060	0.587	1501.4	594.	0.9419E+02	1.307
700.	9.647	35.390	4.65	9.565	27.331	31.792	36.154	0.679	1500.6	693.	0.8950E+02	1.535
800.	9.609	35.507	4.36	9.515	27.430	31.892	36.254	0.765	1502.2	792.	0.8237E+02	1.777
900.	9.291	35.560	4.28	9.186	27.527	31.995	36.364	0.844	1502.8	891.	0.7502E+02	1.795
1000.	8.203	35.410	4.43	8.094	27.582	32.076	36.470	0.916	1500.2	990.	0.6963E+02	1.588
1100.	8.510	35.580	4.44	8.387	27.670	32.156	36.542	0.983	1503.3	1088.	0.6417E+02	1.586
1200.	7.433	35.433	4.73	7.308	27.716	32.228	36.639	1.044	1500.7	1187.	0.5901E+02	1.546
1300.	6.315	35.270	5.02	6.190	27.742	32.282	36.720	1.101	1497.8	1286.	0.5502E+02	1.384
1400.	5.634	35.180	5.27	5.506	27.757	32.314	36.770	1.155	1496.6	1384.	0.5289E+02	1.105
1500.	5.469	35.187	5.42	5.332	27.784	32.345	36.805	1.207	1497.6	1483.	0.5122E+02	1.017
1600.	4.765	35.082	5.64	4.626	27.783	32.364	36.841	1.258	1496.3	1581.	0.4986E+02	0.944
1700.	4.419	35.037	5.80	4.274	27.787	32.376	36.863	1.307	1496.5	1680.	0.4927E+02	0.770
1800.	4.188	35.017	5.95	4.037	27.796	32.392	36.884	1.356	1497.2	1778.	0.4851E+02	0.791
1900.	3.883	34.979	6.04	3.726	27.798	32.402	36.903	1.404	1497.6	1876.	0.4787E+02	0.753

CTD11020



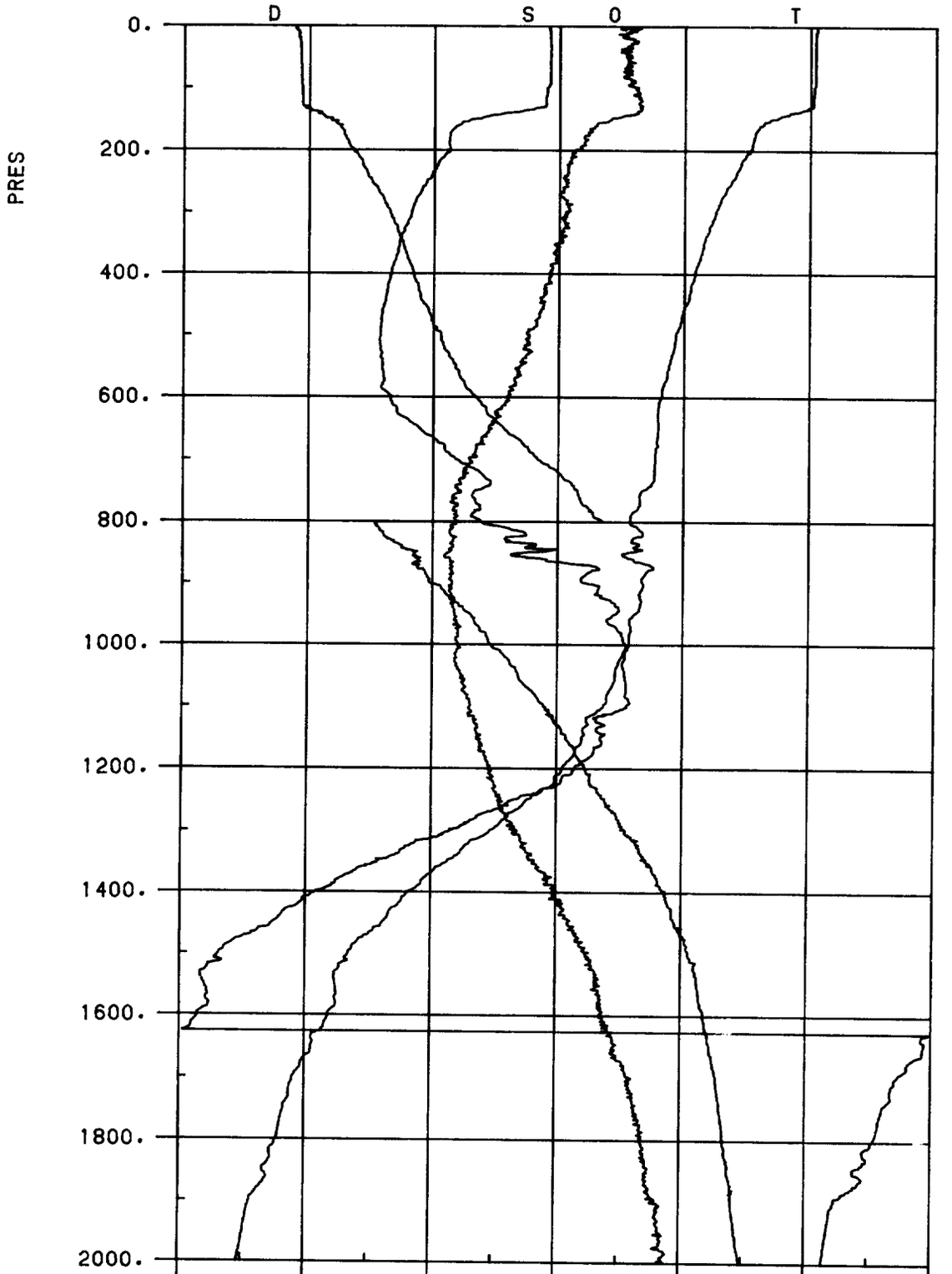
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11020 L 1984/74/1245 43 11.67N 14 24.97W

DISCOVERY 145 STATION 11020

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.524	35.697	5.80	12.523	27.029	31.428	35.728	0.010	1499.6	10.	0.1023E+03	-9.999
20.	12.525	35.697	5.77	12.523	27.029	31.427	35.728	0.020	1499.8	20.	0.1026E+03	-0.278
40.	12.527	35.697	5.78	12.522	27.029	31.427	35.728	0.041	1500.1	40.	0.1032E+03	0.163
60.	12.530	35.697	5.77	12.522	27.030	31.428	35.729	0.062	1500.4	60.	0.1037E+03	0.269
80.	12.533	35.698	5.81	12.522	27.030	31.428	35.729	0.083	1500.8	79.	0.1043E+03	-0.012
100.	12.535	35.698	5.84	12.522	27.030	31.428	35.729	0.103	1501.1	99.	0.1048E+03	0.220
120.	12.538	35.698	5.83	12.522	27.030	31.428	35.729	0.124	1501.5	119.	0.1054E+03	0.177
140.	12.542	35.698	5.89	12.523	27.030	31.428	35.729	0.146	1501.8	139.	0.1060E+03	-0.251
160.	12.543	35.698	5.90	12.521	27.030	31.428	35.729	0.167	1502.1	159.	0.1065E+03	0.237
180.	12.546	35.698	5.85	12.522	27.031	31.429	35.729	0.188	1502.5	178.	0.1071E+03	0.229
200.	12.549	35.699	5.87	12.522	27.031	31.429	35.729	0.210	1502.8	198.	0.1077E+03	0.129
220.	12.549	35.698	5.87	12.520	27.031	31.429	35.730	0.231	1503.1	218.	0.1082E+03	0.081
240.	12.541	35.696	5.86	12.509	27.031	31.430	35.731	0.253	1503.4	238.	0.1087E+03	0.326
260.	12.498	35.688	5.85	12.463	27.034	31.434	35.736	0.275	1503.6	258.	0.1090E+03	0.709
280.	12.059	35.622	5.51	12.022	27.068	31.477	35.788	0.296	1502.4	278.	0.1061E+03	2.403
300.	11.928	35.607	5.33	11.888	27.083	31.494	35.808	0.317	1502.3	297.	0.1052E+03	1.547
320.	11.825	35.597	5.35	11.783	27.095	31.509	35.824	0.338	1502.2	317.	0.1045E+03	1.446
340.	11.749	35.589	5.34	11.705	27.104	31.519	35.836	0.359	1502.3	337.	0.1042E+03	1.217
360.	11.661	35.578	5.32	11.615	27.112	31.529	35.848	0.380	1502.3	357.	0.1039E+03	1.178
380.	11.582	35.570	5.29	11.533	27.121	31.540	35.861	0.401	1502.3	377.	0.1035E+03	1.252
400.	11.524	35.565	5.30	11.473	27.129	31.549	35.871	0.421	1502.5	396.	0.1033E+03	1.138
450.	11.352	35.549	5.25	11.294	27.149	31.573	35.899	0.473	1502.7	446.	0.1025E+03	1.175
500.	11.065	35.519	5.07	11.002	27.180	31.610	35.942	0.524	1502.5	495.	0.1006E+03	1.457
550.	10.847	35.503	4.93	10.778	27.208	31.643	35.979	0.573	1502.5	545.	0.9904E+02	1.389
600.	10.496	35.467	4.99	10.423	27.243	31.686	36.030	0.623	1502.1	594.	0.9652E+02	1.589
700.	10.625	35.612	4.43	10.538	27.336	31.775	36.116	0.716	1504.3	693.	0.9048E+02	1.689
800.	10.763	35.774	4.25	10.662	27.440	31.875	36.212	0.804	1506.7	792.	0.8347E+02	1.786
900.	10.680	35.842	4.20	10.566	27.511	31.948	36.286	0.885	1508.1	891.	0.7920E+02	1.510
1000.	10.604	35.945	4.23	10.478	27.607	32.045	36.384	0.961	1509.6	990.	0.7258E+02	1.751
1100.	10.143	35.934	4.25	10.007	27.681	32.129	36.478	1.031	1509.7	1088.	0.6711E+02	1.633
1200.	8.505	35.644	4.47	8.370	27.723	32.209	36.595	1.095	1505.0	1187.	0.6123E+02	1.652
1300.	7.385	35.464	4.75	7.250	27.749	32.262	36.675	1.154	1502.2	1286.	0.5758E+02	1.372
1400.	6.514	35.331	5.01	6.376	27.765	32.300	36.734	1.210	1500.3	1384.	0.5506E+02	1.195
1500.	6.325	35.344	5.11	6.178	27.802	32.341	36.779	1.264	1501.2	1483.	0.5258E+02	1.171
1600.	5.890	35.294	5.30	5.737	27.819	32.370	36.818	1.316	1501.1	1581.	0.5092E+02	1.038
1700.	5.111	35.183	5.49	4.957	27.825	32.396	36.865	1.365	1499.5	1680.	0.4859E+02	1.120
1800.	4.642	35.120	5.63	4.485	27.829	32.413	36.894	1.413	1499.2	1778.	0.4743E+02	0.899
1900.	4.191	35.062	5.78	4.030	27.833	32.428	36.921	1.460	1499.0	1876.	0.4617E+02	0.898
2000.	3.788	35.009	5.89	3.624	27.832	32.439	36.942	1.506	1498.9	1975.	0.4527E+02	0.807
2200.	3.477	34.986	5.99	3.298	27.846	32.461	36.973	1.595	1500.9	2171.	0.4416E+02	0.711
2400.	3.270	34.979	5.99	3.075	27.862	32.483	37.001	1.683	1503.4	2367.	0.4315E+02	0.684
2600.	3.083	34.968	5.99	2.871	27.872	32.499	37.022	1.769	1506.0	2563.	0.4260E+02	0.613
2800.	2.939	34.958	5.99	2.710	27.878	32.509	37.037	1.854	1508.7	2759.	0.4252E+02	0.532
3000.	2.816	34.948	5.98	2.569	27.882	32.518	37.049	1.939	1511.6	2955.	0.4261E+02	0.495
3500.	2.626	34.927	5.91	2.330	27.886	32.529	37.067	2.155	1519.3	3444.	0.4391E+02	0.399
4000.	2.534	34.913	5.86	2.185	27.887	32.534	37.076	2.379	1527.5	3931.	0.4593E+02	0.316
4500.	2.506	34.906	5.90	2.098	27.888	32.537	37.081	2.614	1536.0	4418.	0.4837E+02	0.262
5000.	2.536	34.902	5.93	2.066	27.888	32.538	37.083	2.864	1544.8	4903.	0.5147E+02	0.156

CTD11022



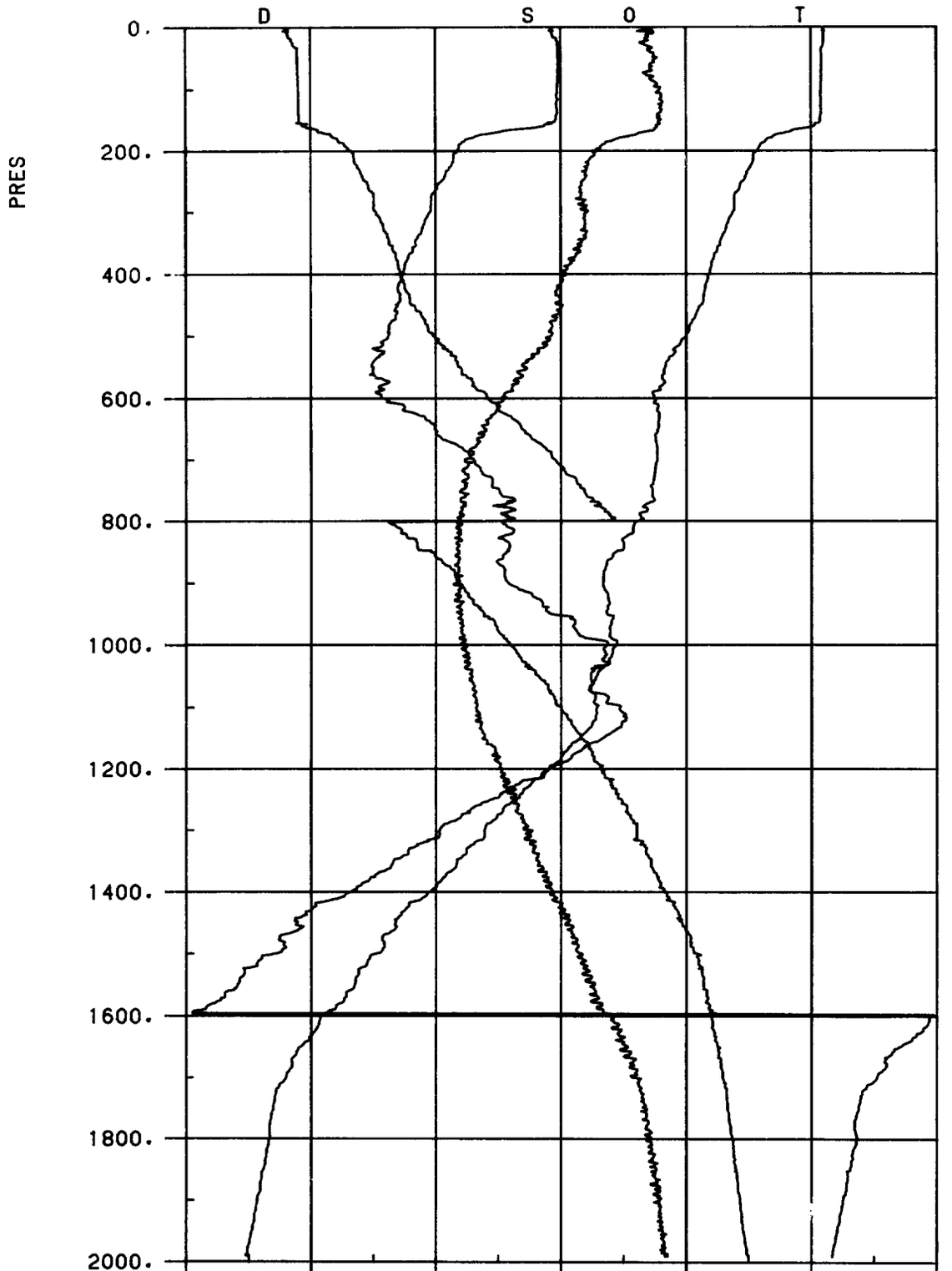
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11022 J 1984/78/2207 40 43.00N 15 14.60W

DISCOVERY 145 STATION 11022

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.093	35.785	5.53	13.092	26.984	31.370	35.659	0.011	1501.6	10.	0.1066E+03	-9.999
20.	13.090	35.786	5.57	13.088	26.985	31.371	35.661	0.021	1501.7	20.	0.1068E+03	0.606
40.	13.085	35.786	5.53	13.079	26.987	31.373	35.663	0.043	1502.1	40.	0.1072E+03	0.545
60.	13.082	35.785	5.56	13.073	26.987	31.374	35.664	0.064	1502.4	60.	0.1078E+03	0.261
80.	13.085	35.786	5.53	13.074	26.987	31.374	35.664	0.086	1502.7	79.	0.1084E+03	0.196
100.	13.061	35.781	5.62	13.047	26.989	31.377	35.667	0.108	1503.0	99.	0.1088E+03	0.540
120.	13.052	35.778	5.65	13.035	26.990	31.377	35.668	0.129	1503.3	119.	0.1094E+03	0.248
140.	12.680	35.716	5.61	12.661	27.016	31.411	35.709	0.151	1502.3	139.	0.1073E+03	2.090
160.	12.210	35.638	5.29	12.189	27.049	31.454	35.762	0.172	1500.9	159.	0.1047E+03	2.325
180.	12.103	35.624	5.21	12.079	27.059	31.467	35.777	0.193	1500.9	179.	0.1042E+03	1.315
200.	12.046	35.624	5.13	12.020	27.071	31.480	35.790	0.214	1501.0	198.	0.1036E+03	1.360
220.	11.903	35.607	5.09	11.874	27.085	31.497	35.811	0.235	1500.8	218.	0.1028E+03	1.543
240.	11.814	35.596	5.05	11.783	27.094	31.508	35.824	0.255	1500.9	238.	0.1024E+03	1.223
260.	11.676	35.581	5.04	11.642	27.110	31.526	35.845	0.276	1500.7	258.	0.1015E+03	1.592
280.	11.580	35.571	5.06	11.544	27.120	31.539	35.859	0.296	1500.7	278.	0.1009E+03	1.327
300.	11.498	35.564	5.06	11.459	27.131	31.551	35.873	0.316	1500.7	297.	0.1004E+03	1.306
320.	11.421	35.557	5.05	11.380	27.140	31.562	35.886	0.336	1500.8	317.	0.1001E+03	1.228
340.	11.339	35.547	5.04	11.296	27.148	31.572	35.897	0.356	1500.8	337.	0.9977E+02	1.182
360.	11.291	35.543	4.98	11.245	27.154	31.579	35.906	0.376	1501.0	357.	0.9968E+02	1.021
380.	11.228	35.537	4.98	11.180	27.161	31.588	35.916	0.396	1501.1	377.	0.9946E+02	1.111
400.	11.174	35.532	4.94	11.123	27.168	31.595	35.925	0.416	1501.2	397.	0.9932E+02	1.053
450.	11.030	35.521	4.88	10.973	27.187	31.618	35.950	0.465	1501.5	446.	0.9869E+02	1.135
500.	10.872	35.515	4.76	10.809	27.212	31.646	35.982	0.514	1501.8	496.	0.9744E+02	1.300
550.	10.761	35.519	4.68	10.693	27.236	31.672	36.010	0.563	1502.2	545.	0.9635E+02	1.254
600.	10.643	35.532	4.60	10.569	27.268	31.707	36.048	0.611	1502.7	595.	0.9438E+02	1.470
700.	10.554	35.639	4.30	10.468	27.369	31.810	36.151	0.702	1504.1	693.	0.8725E+02	1.795
800.	10.160	35.679	4.19	10.062	27.472	31.921	36.270	0.785	1504.4	792.	0.7944E+02	1.854
900.	10.368	35.849	4.16	10.256	27.571	32.014	36.359	0.860	1507.0	891.	0.7299E+02	1.727
1000.	10.145	35.910	4.21	10.022	27.659	32.107	36.456	0.930	1508.0	990.	0.6670E+02	1.712
1100.	9.734	35.911	4.30	9.601	27.732	32.189	36.547	0.993	1508.2	1089.	0.6134E+02	1.613
1200.	9.086	35.828	4.46	8.946	27.776	32.248	36.620	1.053	1507.4	1187.	0.5793E+02	1.382
1300.	7.963	35.634	4.64	7.822	27.799	32.298	36.696	1.109	1504.6	1286.	0.5467E+02	1.339
1400.	6.642	35.415	5.00	6.503	27.814	32.346	36.775	1.162	1500.9	1385.	0.5094E+02	1.365
1500.	5.699	35.262	5.24	5.549	27.817	32.372	36.826	1.212	1498.6	1483.	0.4897E+02	1.090
1600.	5.371	35.228	5.35	5.224	27.830	32.393	36.855	1.260	1499.0	1582.	0.4797E+02	0.898
1700.	4.809	35.143	5.60	4.660	27.828	32.407	36.883	1.308	1498.3	1680.	0.4712E+02	0.849
1800.	4.547	35.107	5.70	4.391	27.829	32.415	36.898	1.355	1498.8	1778.	0.4702E+02	0.658
1900.	4.130	35.046	5.80	3.970	27.826	32.423	36.918	1.402	1498.7	1877.	0.4649E+02	0.743
2000.	3.939	35.028	5.88	3.772	27.833	32.435	36.935	1.448	1499.5	1975.	0.4595E+02	0.729

CTD11023



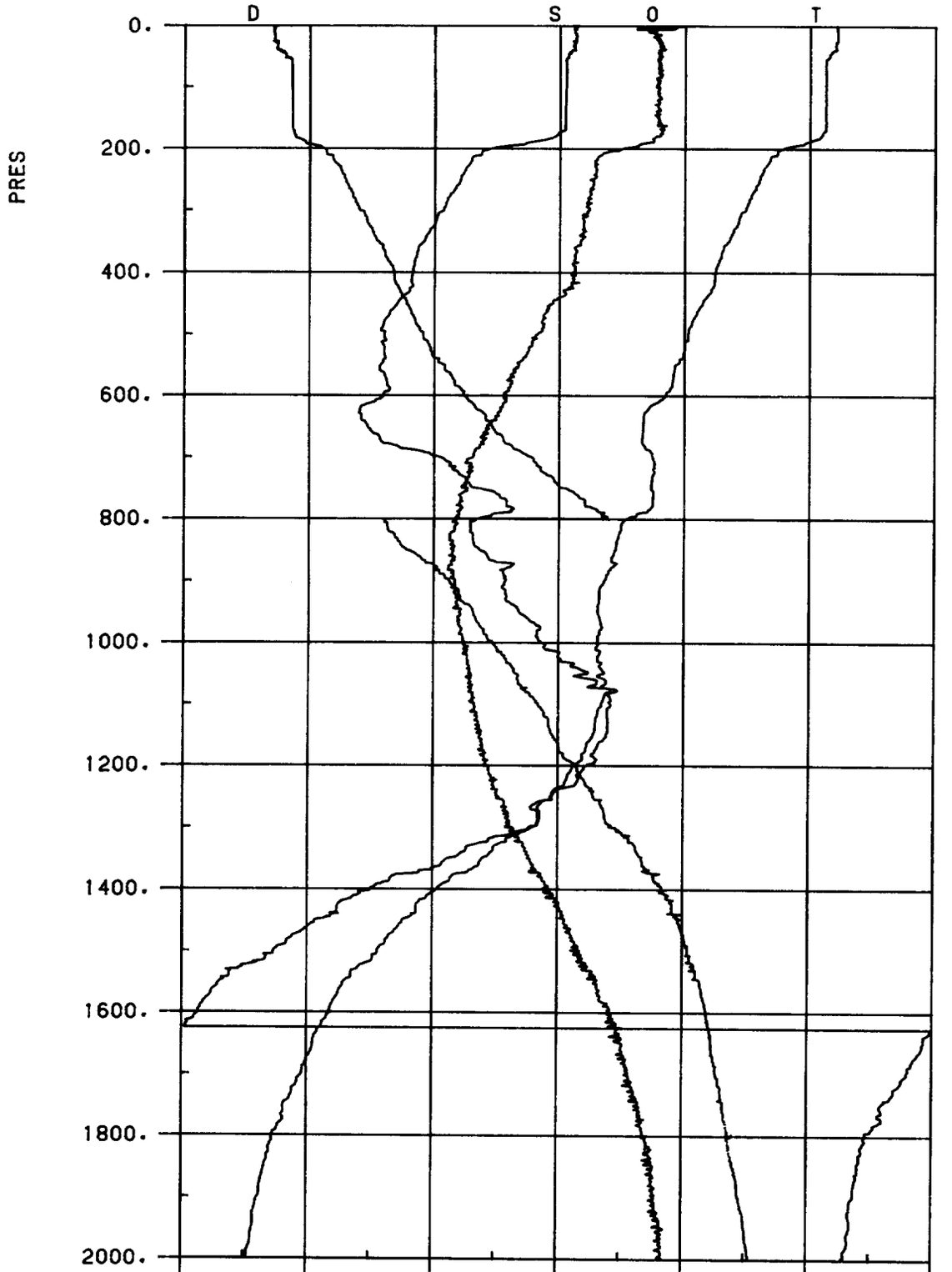
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11023 J 1984/79/0111 40 41.00N 15 5.40W

DISCOVERY 145 STATION 11023

P-DE	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.200	35.787	5.72	13.199	26.963	31.347	35.634	0.011	1501.9	10.	0.1086E+03	-9.999
20.	13.198	35.794	5.68	13.196	26.969	31.353	35.641	0.022	1502.1	20.	0.1083E+03	1.408
40.	13.161	35.796	5.72	13.156	26.979	31.364	35.652	0.043	1502.3	40.	0.1080E+03	1.225
60.	13.163	35.796	5.72	13.155	26.979	31.364	35.652	0.065	1502.7	60.	0.1086E+03	0.311
80.	13.160	35.796	5.73	13.149	26.980	31.365	35.653	0.087	1503.0	79.	0.1091E+03	0.369
100.	13.155	35.794	5.79	13.141	26.980	31.366	35.654	0.109	1503.3	99.	0.1097E+03	0.175
120.	13.154	35.793	5.81	13.137	26.981	31.366	35.654	0.131	1503.6	119.	0.1102E+03	0.243
140.	13.154	35.794	5.77	13.135	26.981	31.367	35.655	0.153	1503.9	139.	0.1108E+03	0.345
160.	12.990	35.765	5.76	12.967	26.993	31.382	35.674	0.175	1503.7	159.	0.1102E+03	1.399
180.	12.309	35.653	5.45	12.285	27.042	31.445	35.750	0.196	1501.6	179.	0.1059E+03	2.839
200.	12.122	35.634	5.27	12.095	27.064	31.471	35.781	0.217	1501.3	198.	0.1043E+03	1.916
220.	12.056	35.626	5.21	12.027	27.071	31.480	35.790	0.238	1501.4	218.	0.1042E+03	1.074
240.	11.955	35.615	5.20	11.923	27.082	31.493	35.806	0.259	1501.4	238.	0.1036E+03	1.351
260.	11.854	35.603	5.15	11.820	27.093	31.505	35.820	0.280	1501.3	258.	0.1032E+03	1.308
280.	11.772	35.593	5.16	11.735	27.101	31.516	35.832	0.300	1501.4	278.	0.1028E+03	1.207
300.	11.745	35.590	5.20	11.706	27.105	31.520	35.837	0.321	1501.6	297.	0.1031E+03	0.730
320.	11.650	35.581	5.19	11.609	27.116	31.533	35.852	0.341	1501.6	317.	0.1025E+03	1.361
340.	11.569	35.571	5.19	11.526	27.124	31.543	35.864	0.362	1501.6	337.	0.1022E+03	1.178
360.	11.497	35.563	5.12	11.451	27.132	31.552	35.875	0.382	1501.7	357.	0.1019E+03	1.150
380.	11.411	35.553	5.09	11.362	27.140	31.562	35.886	0.403	1501.7	377.	0.1016E+03	1.180
400.	11.361	35.547	5.04	11.310	27.145	31.569	35.894	0.423	1501.9	397.	0.1016E+03	0.954
450.	11.226	35.538	5.00	11.168	27.164	31.591	35.919	0.474	1502.2	446.	0.1010E+03	1.141
500.	10.987	35.524	4.90	10.924	27.198	31.630	35.963	0.524	1502.2	496.	0.9887E+02	1.512
550.	10.661	35.499	4.71	10.593	27.238	31.677	36.017	0.572	1501.9	545.	0.9598E+02	1.667
600.	10.490	35.517	4.55	10.417	27.284	31.726	36.070	0.620	1502.1	595.	0.9274E+02	1.731
700.	10.534	35.661	4.24	10.447	27.390	31.831	36.173	0.708	1504.1	693.	0.8528E+02	1.824
800.	10.234	35.712	4.18	10.137	27.485	31.932	36.280	0.790	1504.7	792.	0.7838E+02	1.771
900.	9.671	35.717	4.16	9.564	27.587	32.046	36.406	0.864	1504.4	891.	0.7017E+02	1.885
1000.	9.880	35.873	4.23	9.759	27.676	32.130	36.484	0.931	1507.0	990.	0.6462E+02	1.628
1100.	9.573	35.894	4.32	9.441	27.746	32.207	36.568	0.993	1507.5	1089.	0.5967E+02	1.564
1200.	8.803	35.781	4.53	8.665	27.784	32.263	36.641	1.051	1506.3	1187.	0.5640E+02	1.360
1300.	7.778	35.606	4.74	7.638	27.804	32.307	36.710	1.106	1503.9	1286.	0.5366E+02	1.267
1400.	6.891	35.461	4.93	6.749	27.818	32.342	36.766	1.159	1501.9	1385.	0.5146E+02	1.162
1500.	6.053	35.343	5.16	5.909	27.836	32.382	36.826	1.208	1500.2	1483.	0.4848E+02	1.244
1600.	5.155	35.191	5.41	5.011	27.825	32.395	36.862	1.257	1498.0	1582.	0.4752E+02	0.895
1700.	4.594	35.103	5.60	4.447	27.820	32.405	36.887	1.304	1497.3	1680.	0.4692E+02	0.787
1800.	4.326	35.072	5.71	4.173	27.825	32.417	36.906	1.350	1497.8	1778.	0.4641E+02	0.746
1900.	4.132	35.050	5.77	3.972	27.829	32.426	36.920	1.397	1498.7	1877.	0.4623E+02	0.654

CTD11024



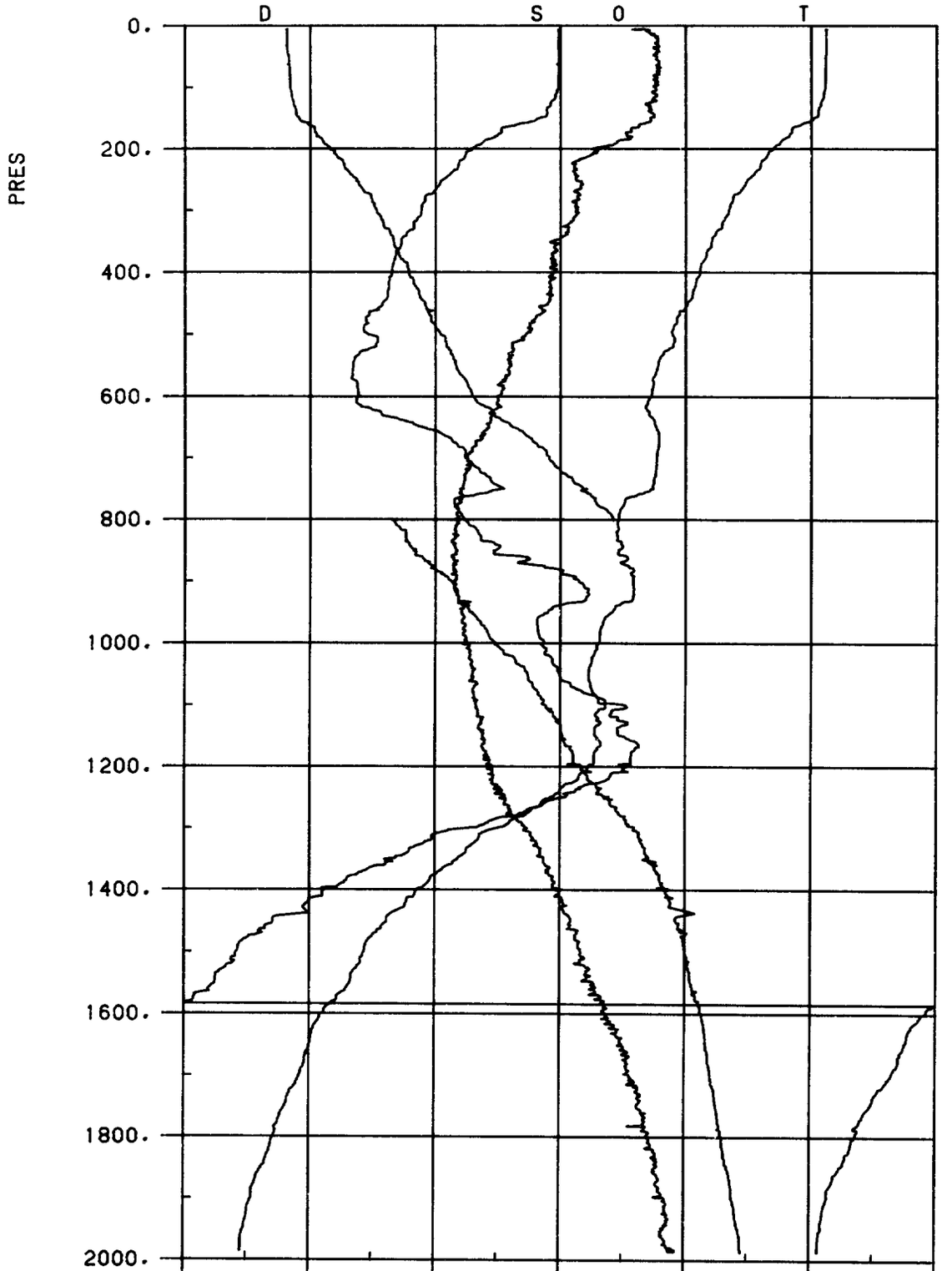
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11024 0 1984/79/0605 40 39.60N 14 50.70W

DISCOVERY 145 STATION 11024

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.440	35.824	5.74	13.438	26.943	31.322	35.605	0.011	1502.8	10.	0.1105E+03	-9.999
20.	13.443	35.826	5.78	13.440	26.944	31.323	35.606	0.022	1503.0	20.	0.1107E+03	0.617
40.	13.395	35.822	5.81	13.389	26.951	31.331	35.615	0.044	1503.1	40.	0.1107E+03	1.053
60.	13.256	35.810	5.79	13.247	26.971	31.355	35.641	0.066	1503.0	60.	0.1093E+03	1.806
80.	13.257	35.811	5.81	13.246	26.972	31.355	35.641	0.088	1503.3	79.	0.1099E+03	0.251
100.	13.255	35.810	5.78	13.241	26.972	31.355	35.642	0.110	1503.6	99.	0.1105E+03	0.233
120.	13.256	35.809	5.79	13.239	26.972	31.356	35.642	0.132	1504.0	119.	0.1111E+03	0.172
140.	13.256	35.809	5.78	13.236	26.972	31.356	35.642	0.155	1504.3	139.	0.1116E+03	0.211
160.	13.257	35.809	5.80	13.235	26.973	31.356	35.643	0.177	1504.6	159.	0.1122E+03	0.101
180.	13.166	35.791	5.77	13.141	26.978	31.363	35.651	0.199	1504.6	179.	0.1123E+03	0.931
200.	12.565	35.691	5.52	12.538	27.022	31.420	35.720	0.222	1502.9	198.	0.1085E+03	2.711
220.	12.350	35.659	5.29	12.321	27.039	31.442	35.746	0.243	1502.4	218.	0.1073E+03	1.703
240.	12.233	35.646	5.28	12.200	27.053	31.458	35.765	0.265	1502.3	238.	0.1066E+03	1.495
260.	12.148	35.636	5.26	12.113	27.062	31.469	35.778	0.286	1502.4	258.	0.1062E+03	1.241
280.	12.042	35.621	5.23	12.005	27.071	31.480	35.791	0.307	1502.3	278.	0.1058E+03	1.251
300.	11.958	35.613	5.23	11.919	27.082	31.493	35.805	0.328	1502.4	297.	0.1053E+03	1.315
320.	11.851	35.601	5.19	11.809	27.093	31.506	35.821	0.349	1502.3	317.	0.1047E+03	1.388
340.	11.741	35.588	5.18	11.697	27.104	31.519	35.837	0.370	1502.2	337.	0.1042E+03	1.351
360.	11.619	35.575	5.12	11.572	27.117	31.535	35.855	0.391	1502.1	357.	0.1034E+03	1.505
380.	11.556	35.569	5.12	11.507	27.125	31.545	35.866	0.411	1502.2	377.	0.1031E+03	1.140
400.	11.487	35.565	5.11	11.436	27.135	31.556	35.879	0.432	1502.3	397.	0.1026E+03	1.305
450.	11.278	35.540	4.93	11.220	27.157	31.582	35.909	0.483	1502.4	446.	0.1018E+03	1.210
500.	11.058	35.520	4.82	10.995	27.182	31.612	35.944	0.534	1502.4	496.	0.1004E+03	1.326
550.	10.866	35.515	4.67	10.797	27.214	31.648	35.984	0.584	1502.6	545.	0.9852E+02	1.463
600.	10.696	35.518	4.57	10.621	27.248	31.686	36.026	0.632	1502.8	595.	0.9632E+02	1.521
700.	10.501	35.609	4.30	10.415	27.356	31.797	36.140	0.725	1503.9	693.	0.8847E+02	1.861
800.	10.088	35.672	4.18	9.991	27.479	31.929	36.281	0.809	1504.2	792.	0.7865E+02	2.027
900.	9.728	35.715	4.17	9.620	27.576	32.033	36.392	0.885	1504.6	891.	0.7132E+02	1.803
1000.	9.622	35.775	4.24	9.503	27.643	32.103	36.463	0.954	1505.9	990.	0.6714E+02	1.477
1100.	9.690	35.833	4.32	9.558	27.718	32.176	36.535	1.019	1508.0	1089.	0.6258E+02	1.521
1200.	9.239	35.843	4.43	9.098	27.763	32.232	36.600	1.080	1507.9	1187.	0.5948E+02	1.345
1300.	8.581	35.755	4.62	8.433	27.800	32.284	36.668	1.138	1507.1	1286.	0.5634E+02	1.335
1400.	7.075	35.502	4.92	6.931	27.824	32.345	36.764	1.192	1502.7	1385.	0.5143E+02	1.517
1500.	6.122	35.347	5.16	5.977	27.830	32.374	36.817	1.242	1500.4	1483.	0.4930E+02	1.129
1600.	5.351	35.225	5.41	5.205	27.829	32.394	36.856	1.290	1498.9	1582.	0.4790E+02	0.978
1700.	4.912	35.159	5.56	4.761	27.829	32.405	36.878	1.338	1498.7	1680.	0.4747E+02	0.764
1800.	4.451	35.093	5.69	4.296	27.828	32.417	36.902	1.385	1498.4	1778.	0.4670E+02	0.814
1900.	4.220	35.073	5.78	4.059	27.838	32.433	36.925	1.431	1499.1	1877.	0.4580E+02	0.823
2000.	4.032	35.058	5.83	3.864	27.847	32.447	36.943	1.477	1500.0	1975.	0.4513E+02	0.765

CTD11025



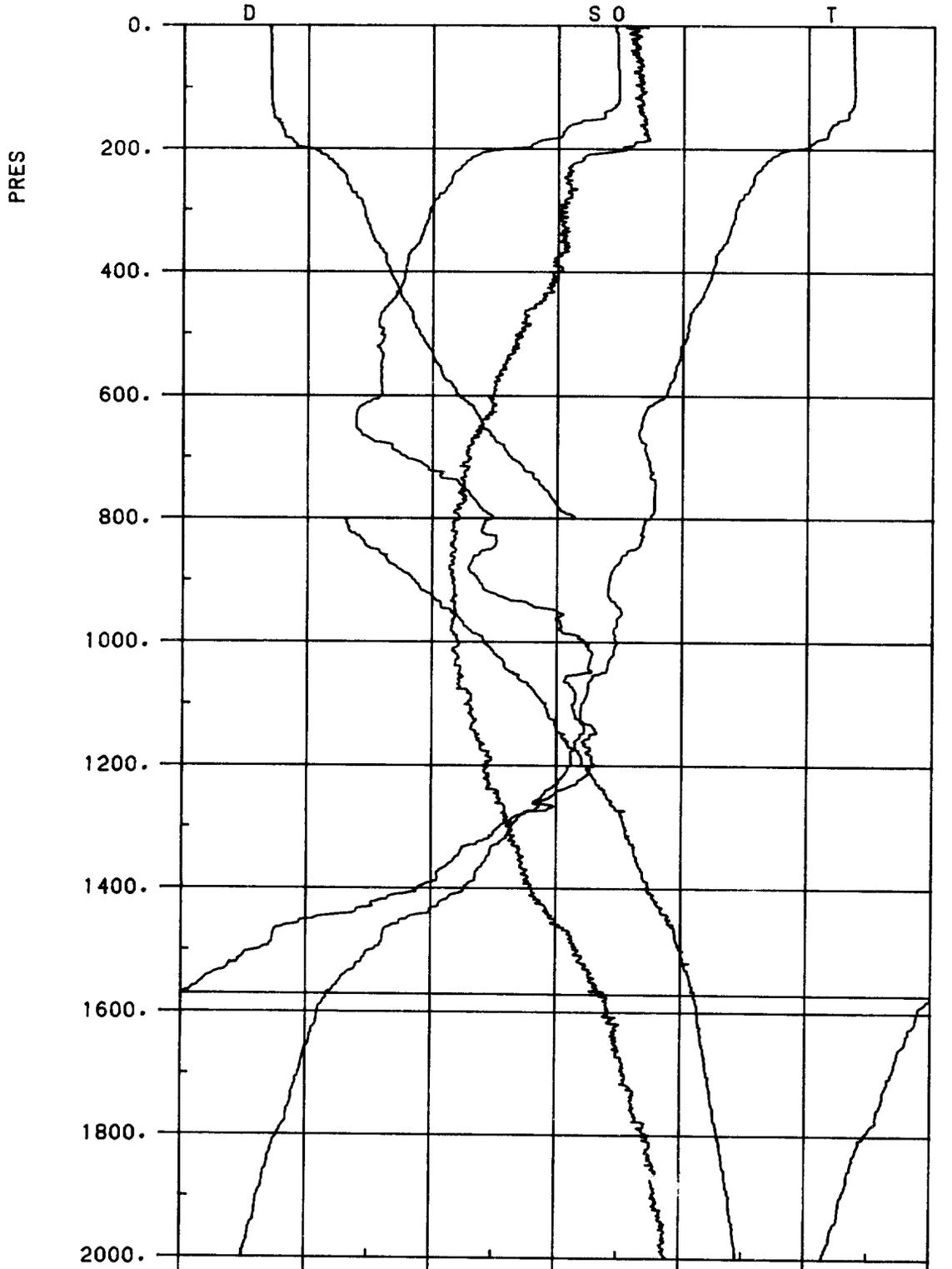
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11025 J 1984/81/1935 40 49.90N 14 56.20W

DISCOVERY 145 STATION 11025

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.238	35.797	5.70	13.237	26.963	31.347	35.633	0.011	1502.1	10.	0.1086E+03	-9.999
20.	13.238	35.797	5.77	13.235	26.964	31.347	35.634	0.022	1502.2	20.	0.1088E+03	0.241
40.	13.242	35.797	5.77	13.236	26.963	31.347	35.634	0.044	1502.6	40.	0.1095E+03	-0.155
60.	13.230	35.797	5.79	13.221	26.966	31.350	35.637	0.065	1502.9	60.	0.1098E+03	0.638
80.	13.225	35.797	5.76	13.214	26.968	31.352	35.639	0.087	1503.2	79.	0.1102E+03	0.557
100.	13.218	35.796	5.75	13.204	26.969	31.353	35.640	0.110	1503.5	99.	0.1108E+03	0.368
120.	13.171	35.788	5.75	13.155	26.973	31.358	35.646	0.132	1503.7	119.	0.1110E+03	0.791
140.	13.113	35.778	5.71	13.093	26.978	31.364	35.654	0.154	1503.8	139.	0.1111E+03	0.919
160.	12.852	35.733	5.64	12.830	26.996	31.388	35.683	0.176	1503.2	159.	0.1098E+03	1.748
180.	12.628	35.696	5.55	12.604	27.012	31.409	35.708	0.198	1502.7	179.	0.1089E+03	1.621
200.	12.389	35.659	5.27	12.362	27.031	31.433	35.737	0.220	1502.2	198.	0.1075E+03	1.790
220.	12.206	35.639	5.13	12.177	27.052	31.457	35.765	0.241	1501.9	218.	0.1061E+03	1.836
240.	12.087	35.624	5.12	12.055	27.064	31.472	35.782	0.262	1501.8	238.	0.1054E+03	1.402
260.	11.925	35.604	5.16	11.891	27.080	31.492	35.805	0.283	1501.6	258.	0.1044E+03	1.645
280.	11.748	35.584	5.14	11.712	27.098	31.513	35.830	0.304	1501.3	278.	0.1031E+03	1.733
300.	11.683	35.577	5.13	11.644	27.106	31.523	35.841	0.324	1501.4	297.	0.1029E+03	1.150
320.	11.582	35.566	5.08	11.541	27.117	31.535	35.856	0.345	1501.3	317.	0.1023E+03	1.333
340.	11.453	35.552	5.04	11.410	27.131	31.552	35.875	0.365	1501.2	337.	0.1015E+03	1.526
360.	11.384	35.543	4.95	11.338	27.137	31.560	35.885	0.386	1501.3	357.	0.1013E+03	1.061
380.	11.283	35.534	4.95	11.235	27.149	31.574	35.901	0.406	1501.3	377.	0.1007E+03	1.418
400.	11.223	35.531	4.94	11.173	27.158	31.584	35.912	0.426	1501.4	397.	0.1003E+03	1.212
450.	11.023	35.515	4.89	10.966	27.184	31.615	35.947	0.476	1501.5	446.	0.9898E+02	1.326
500.	10.795	35.495	4.72	10.733	27.210	31.646	35.983	0.525	1501.5	496.	0.9757E+02	1.339
550.	10.555	35.469	4.60	10.488	27.233	31.674	36.017	0.573	1501.4	545.	0.9634E+02	1.288
600.	10.440	35.476	4.50	10.366	27.261	31.704	36.049	0.621	1501.9	594.	0.9484E+02	1.351
700.	10.540	35.652	4.25	10.453	27.382	31.823	36.165	0.711	1504.1	693.	0.8602E+02	1.945
800.	9.926	35.648	4.17	9.830	27.488	31.941	36.296	0.793	1503.6	792.	0.7759E+02	1.908
900.	10.169	35.831	4.15	10.058	27.592	32.039	36.388	0.868	1506.3	891.	0.7068E+02	1.766
1000.	9.603	35.772	4.24	9.484	27.643	32.104	36.465	0.937	1505.9	990.	0.6703E+02	1.421
1100.	9.726	35.903	4.32	9.594	27.728	32.185	36.543	1.001	1508.1	1089.	0.6175E+02	1.598
1200.	9.446	35.904	4.44	9.303	27.777	32.240	36.604	1.061	1508.8	1187.	0.5878E+02	1.331
1300.	8.056	35.668	4.73	7.914	27.812	32.308	36.704	1.118	1505.0	1286.	0.5376E+02	1.551
1400.	6.717	35.425	4.98	6.577	27.813	32.342	36.770	1.170	1501.2	1385.	0.5135E+02	1.194
1500.	5.868	35.283	5.17	5.726	27.812	32.363	36.812	1.221	1499.4	1483.	0.5008E+02	0.979
1600.	5.191	35.180	5.37	5.047	27.812	32.381	36.847	1.270	1498.2	1582.	0.4885E+02	0.940
1700.	4.845	35.129	5.55	4.695	27.813	32.391	36.866	1.319	1498.4	1680.	0.4865E+02	0.704
1800.	4.426	35.071	5.71	4.272	27.814	32.403	36.890	1.367	1498.3	1778.	0.4790E+02	0.806
1900.	4.072	35.027	5.84	3.913	27.817	32.416	36.911	1.415	1498.4	1877.	0.4707E+02	0.805

CTD11026



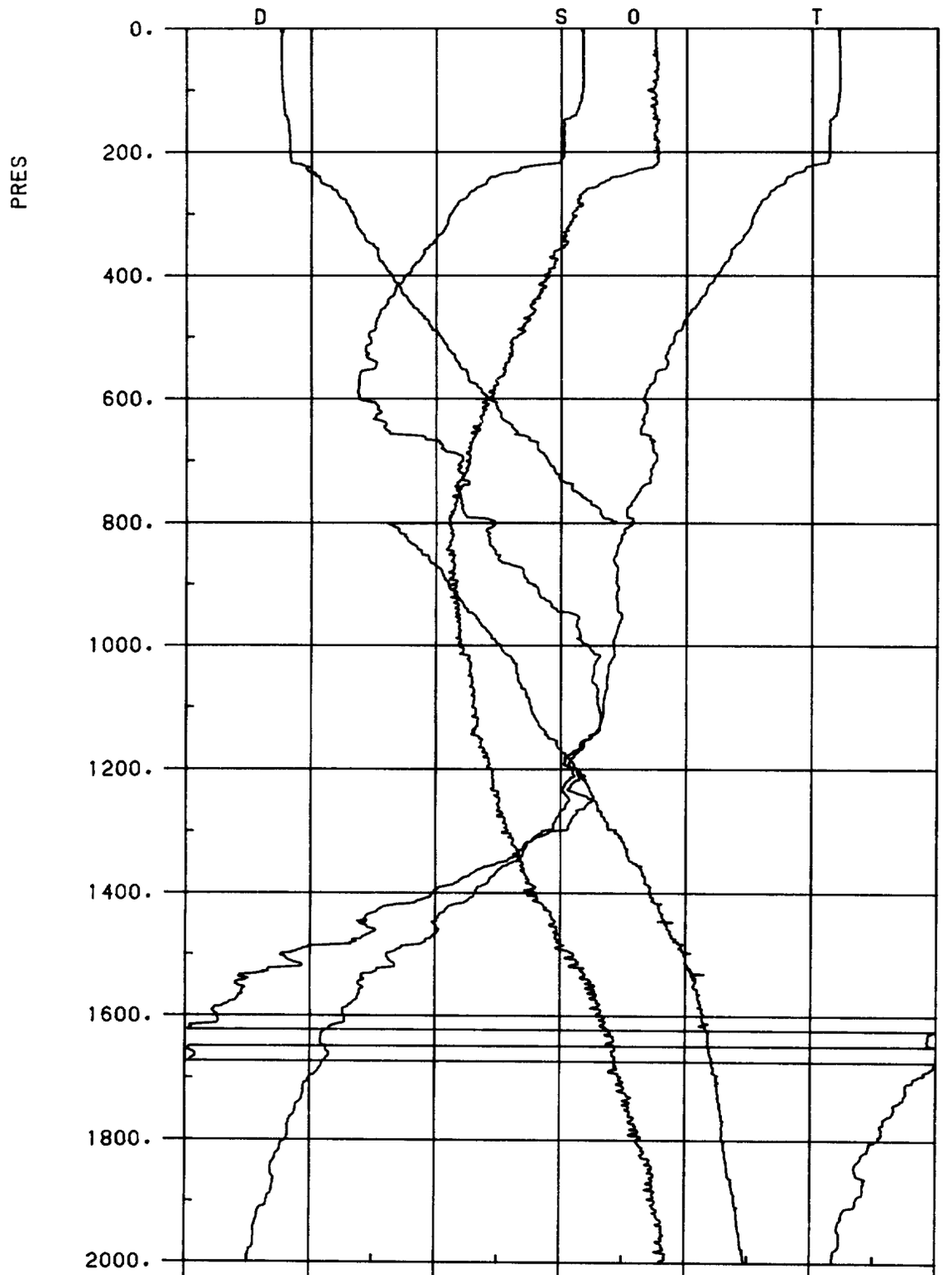
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11026 K 1984/81/2218 40 47.50N 14 46.90W

DISCOVERY 145 STATION 11026

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.714	35.893	5.60	13.712	26.939	31.313	35.590	0.011	1503.8	10.	0.1109E+03	-9.999
20.	13.717	35.895	5.62	13.714	26.940	31.314	35.591	0.022	1503.9	20.	0.1111E+03	0.581
40.	13.719	35.895	5.61	13.713	26.940	31.314	35.591	0.044	1504.3	40.	0.1117E+03	0.184
60.	13.724	35.895	5.66	13.715	26.940	31.314	35.591	0.067	1504.6	60.	0.1124E+03	-0.269
80.	13.730	35.897	5.66	13.719	26.941	31.315	35.591	0.089	1505.0	79.	0.1129E+03	0.395
100.	13.733	35.897	5.67	13.719	26.941	31.314	35.591	0.112	1505.3	99.	0.1135E+03	-0.130
120.	13.728	35.896	5.66	13.711	26.942	31.316	35.593	0.135	1505.6	119.	0.1141E+03	0.386
140.	13.636	35.874	5.67	13.616	26.945	31.320	35.599	0.158	1505.6	139.	0.1144E+03	0.704
160.	13.386	35.822	5.68	13.364	26.956	31.337	35.621	0.180	1505.1	159.	0.1138E+03	1.413
180.	13.282	35.803	5.72	13.256	26.964	31.347	35.633	0.203	1505.0	179.	0.1137E+03	1.119
200.	12.751	35.717	5.53	12.723	27.005	31.399	35.696	0.226	1503.5	198.	0.1102E+03	2.613
220.	12.335	35.654	5.18	12.305	27.039	31.442	35.747	0.247	1502.4	218.	0.1074E+03	2.372
240.	12.154	35.633	5.08	12.122	27.058	31.464	35.773	0.269	1502.1	238.	0.1060E+03	1.775
260.	12.087	35.625	5.10	12.053	27.065	31.473	35.783	0.290	1502.2	258.	0.1059E+03	1.092
280.	11.946	35.608	5.09	11.909	27.079	31.490	35.803	0.311	1502.0	278.	0.1050E+03	1.537
300.	11.836	35.595	5.02	11.796	27.091	31.504	35.819	0.332	1501.9	297.	0.1044E+03	1.387
320.	11.797	35.590	5.05	11.755	27.095	31.509	35.825	0.353	1502.1	317.	0.1045E+03	0.842
340.	11.725	35.582	5.04	11.681	27.103	31.519	35.837	0.374	1502.2	337.	0.1043E+03	1.168
360.	11.621	35.572	5.07	11.574	27.115	31.533	35.853	0.395	1502.1	357.	0.1036E+03	1.409
380.	11.521	35.560	4.97	11.472	27.125	31.545	35.867	0.415	1502.1	377.	0.1031E+03	1.316
400.	11.461	35.555	4.99	11.410	27.133	31.554	35.878	0.436	1502.2	397.	0.1028E+03	1.160
450.	11.241	35.532	4.85	11.184	27.157	31.583	35.911	0.487	1502.3	446.	0.1017E+03	1.281
500.	11.068	35.518	4.69	11.004	27.179	31.609	35.941	0.537	1502.5	496.	0.1007E+03	1.231
550.	10.901	35.517	4.57	10.832	27.209	31.643	35.978	0.587	1502.7	545.	0.9899E+02	1.422
600.	10.721	35.517	4.49	10.647	27.242	31.680	36.019	0.636	1502.9	594.	0.9690E+02	1.498
700.	10.445	35.559	4.30	10.358	27.326	31.770	36.114	0.730	1503.6	693.	0.9112E+02	1.663
800.	10.474	35.695	4.21	10.375	27.430	31.872	36.215	0.818	1505.6	792.	0.8392E+02	1.799
900.	9.841	35.676	4.17	9.733	27.526	31.982	36.338	0.898	1504.9	891.	0.7617E+02	1.846
1000.	9.946	35.845	4.21	9.824	27.643	32.095	36.449	0.970	1507.2	990.	0.6782E+02	1.897
1100.	9.396	35.826	4.28	9.266	27.722	32.187	36.552	1.035	1506.8	1089.	0.6151E+02	1.704
1200.	9.201	35.857	4.42	9.060	27.780	32.249	36.619	1.095	1507.8	1187.	0.5783E+02	1.412
1300.	8.276	35.709	4.61	8.131	27.811	32.302	36.693	1.151	1505.9	1286.	0.5450E+02	1.355
1400.	7.527	35.577	4.80	7.378	27.820	32.329	36.738	1.205	1504.5	1385.	0.5327E+02	1.032
1500.	6.053	35.321	5.16	5.909	27.819	32.365	36.809	1.256	1500.1	1483.	0.5009E+02	1.281
1600.	5.185	35.178	5.42	5.041	27.812	32.381	36.847	1.306	1498.2	1582.	0.4888E+02	0.942
1700.	4.880	35.136	5.55	4.729	27.815	32.392	36.866	1.355	1498.5	1680.	0.4864E+02	0.714
1800.	4.542	35.094	5.72	4.387	27.819	32.405	36.889	1.403	1498.8	1778.	0.4792E+02	0.803
1900.	4.217	35.056	5.79	4.056	27.825	32.420	36.912	1.450	1499.1	1877.	0.4698E+02	0.834
2000.	3.987	35.028	5.88	3.819	27.827	32.429	36.927	1.497	1499.7	1975.	0.4667E+02	0.678

CTD11027



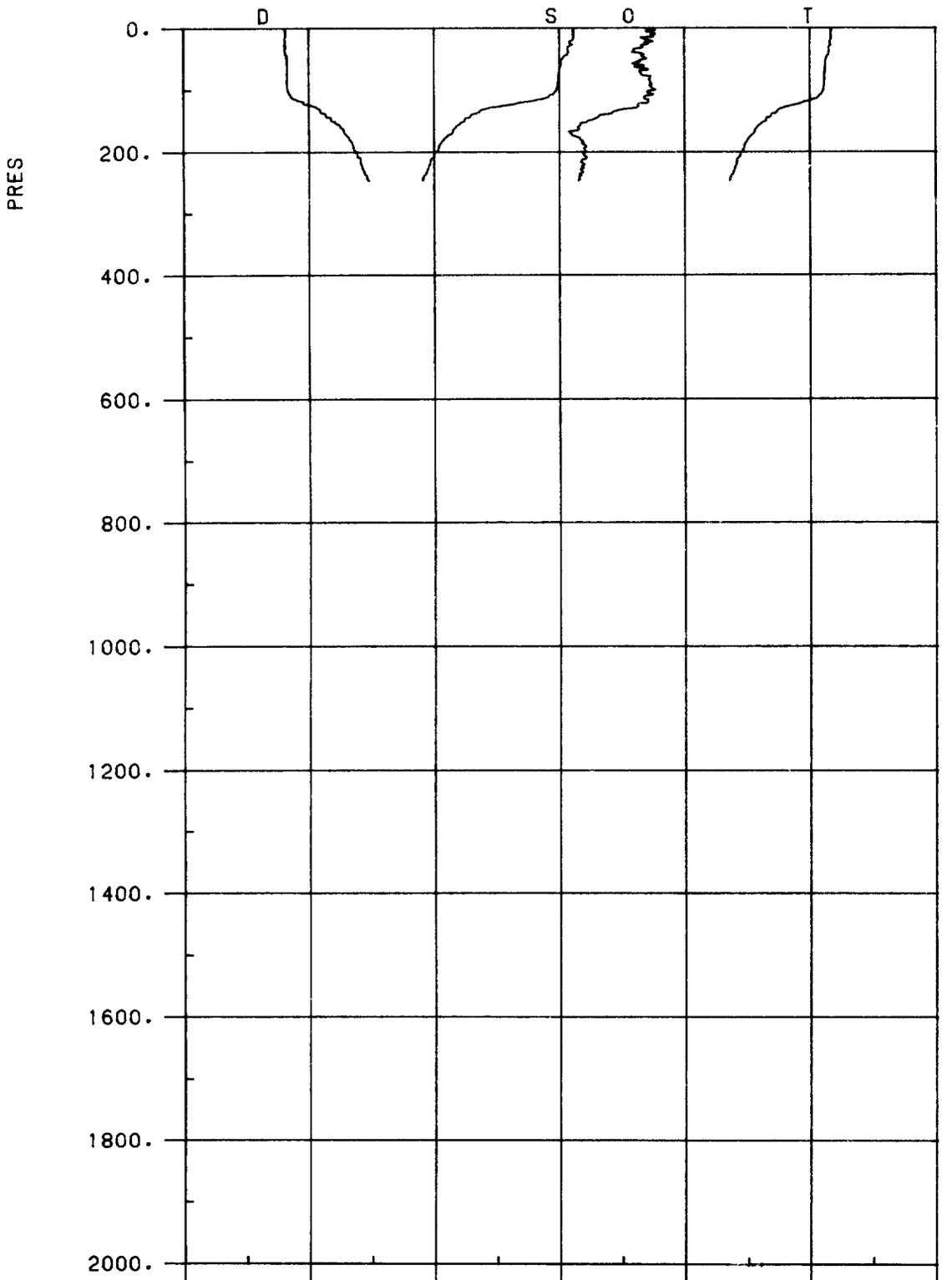
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11027 J 1984/82/0057 40 45.40N 14 36.00W

DISCOVERY 145 STATION 11027

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.428	35.834	-9.99	13.426	26.953	31.333	35.615	0.011	1502.7	10.	0.1096E+03	-9.999
20.	13.434	35.835	5.75	13.431	26.952	31.332	35.615	0.022	1502.9	20.	0.1099E+03	-0.417
40.	13.437	35.835	5.75	13.432	26.952	31.332	35.615	0.044	1503.3	40.	0.1105E+03	-0.098
60.	13.439	35.835	5.77	13.431	26.952	31.332	35.615	0.066	1503.6	60.	0.1111E+03	0.163
80.	13.442	35.835	5.76	13.430	26.953	31.332	35.615	0.088	1504.0	79.	0.1117E+03	0.255
100.	13.439	35.835	5.70	13.424	26.954	31.333	35.616	0.111	1504.3	99.	0.1122E+03	0.376
120.	13.410	35.830	5.76	13.393	26.956	31.337	35.620	0.133	1504.5	119.	0.1126E+03	0.648
140.	13.374	35.822	5.75	13.354	26.958	31.340	35.624	0.156	1504.7	139.	0.1130E+03	0.603
160.	13.280	35.804	5.76	13.258	26.964	31.347	35.633	0.178	1504.7	159.	0.1130E+03	0.952
180.	13.276	35.804	5.76	13.250	26.966	31.349	35.635	0.201	1505.0	179.	0.1135E+03	0.520
200.	13.274	35.804	5.76	13.246	26.966	31.350	35.636	0.224	1505.3	198.	0.1140E+03	0.318
220.	13.076	35.772	5.75	13.045	26.983	31.370	35.660	0.247	1505.0	218.	0.1130E+03	1.650
240.	12.624	35.691	5.44	12.592	27.011	31.408	35.708	0.269	1503.7	238.	0.1107E+03	2.208
260.	12.384	35.661	5.20	12.349	27.036	31.438	35.742	0.291	1503.2	258.	0.1088E+03	2.019
280.	12.178	35.635	5.14	12.141	27.056	31.462	35.771	0.313	1502.8	278.	0.1073E+03	1.837
300.	12.067	35.622	5.10	12.027	27.067	31.476	35.787	0.334	1502.7	297.	0.1068E+03	1.379
320.	12.010	35.615	5.05	11.967	27.074	31.484	35.795	0.355	1502.9	317.	0.1067E+03	1.038
340.	11.881	35.599	5.02	11.837	27.087	31.499	35.814	0.377	1502.7	337.	0.1059E+03	1.473
360.	11.706	35.581	4.95	11.659	27.106	31.522	35.840	0.398	1502.4	357.	0.1045E+03	1.803
380.	11.602	35.567	4.94	11.553	27.115	31.534	35.854	0.419	1502.4	377.	0.1041E+03	1.262
400.	11.463	35.551	4.88	11.412	27.129	31.551	35.874	0.439	1502.2	397.	0.1032E+03	1.553
450.	11.145	35.518	4.76	11.088	27.164	31.592	35.922	0.490	1501.9	446.	0.1010E+03	1.539
500.	10.800	35.493	4.63	10.738	27.208	31.644	35.981	0.540	1501.5	496.	0.9774E+02	1.738
550.	10.658	35.501	4.54	10.590	27.240	31.679	36.019	0.588	1501.8	545.	0.9580E+02	1.463
600.	10.317	35.477	4.41	10.244	27.283	31.729	36.077	0.635	1501.4	595.	0.9259E+02	1.724
700.	10.508	35.641	4.25	10.421	27.380	31.821	36.164	0.725	1504.0	693.	0.8622E+02	1.720
800.	10.122	35.691	4.12	10.025	27.488	31.937	36.287	0.807	1504.3	792.	0.7793E+02	1.897
900.	9.901	35.755	4.15	9.793	27.578	32.032	36.386	0.882	1505.2	891.	0.7147E+02	1.723
1000.	9.849	35.845	4.20	9.728	27.659	32.113	36.469	0.951	1506.8	990.	0.6613E+02	1.609
1100.	9.680	35.861	4.30	9.548	27.702	32.161	36.520	1.015	1507.9	1089.	0.6401E+02	1.223
1200.	9.183	35.825	4.44	9.042	27.758	32.228	36.598	1.078	1507.7	1187.	0.5979E+02	1.477
1300.	8.732	35.791	4.56	8.583	27.805	32.286	36.666	1.136	1507.7	1286.	0.5632E+02	1.378
1400.	7.615	35.594	4.78	7.465	27.820	32.327	36.734	1.191	1504.9	1385.	0.5352E+02	1.272
1500.	6.223	35.354	5.11	6.077	27.823	32.364	36.805	1.243	1500.9	1483.	0.5033E+02	1.286
1600.	5.547	35.251	5.34	5.399	27.827	32.386	36.843	1.292	1499.7	1582.	0.4889E+02	0.992
1700.	4.981	35.166	5.48	4.829	27.827	32.401	36.873	1.341	1499.0	1680.	0.4793E+02	0.879
1800.	4.593	35.105	5.61	4.437	27.823	32.407	36.889	1.388	1499.0	1778.	0.4783E+02	0.665
1900.	4.301	35.072	5.76	4.139	27.829	32.422	36.911	1.436	1499.4	1877.	0.4703E+02	0.809
2000.	3.991	35.035	5.83	3.823	27.832	32.434	36.932	1.483	1499.8	1975.	0.4623E+02	0.793

CTD11028



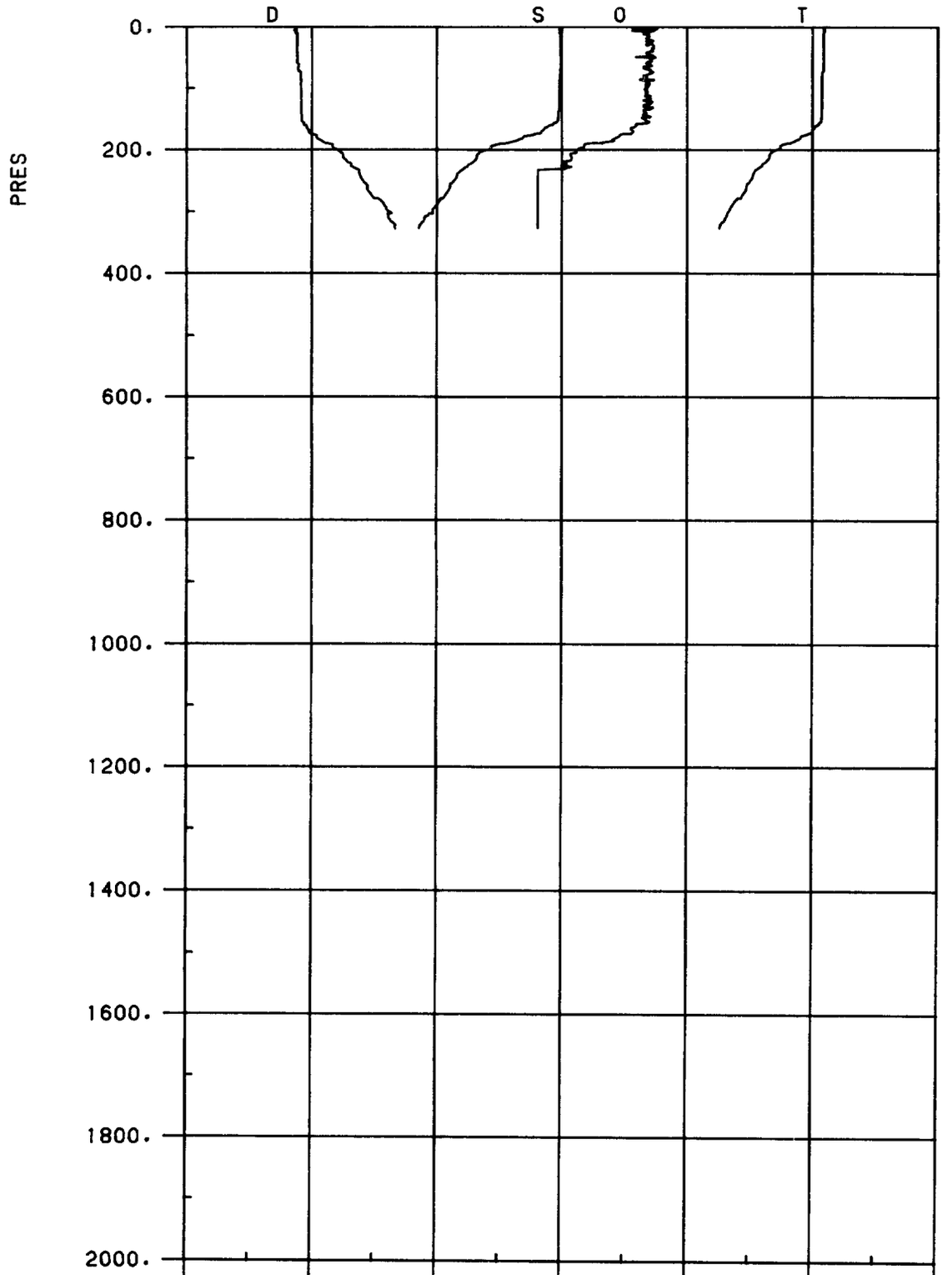
TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11028 H 1984/82/0606 40 51.70N 14 57.00W

DISCOVERY 145 STATION 11028

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.330	35.822	6.44	13.329	26.963	31.345	35.630	0.011	1502.4	10.	0.1086E+03	-9.999
20.	13.334	35.822	6.34	13.331	26.962	31.344	35.629	0.022	1502.6	20.	0.1089E+03	-0.387
40.	13.325	35.819	6.29	13.320	26.962	31.345	35.630	0.044	1502.9	40.	0.1095E+03	0.059
60.	13.251	35.804	6.19	13.243	26.966	31.351	35.637	0.065	1503.0	60.	0.1097E+03	0.868
80.	13.227	35.799	6.15	13.215	26.967	31.353	35.640	0.087	1503.2	79.	0.1101E+03	0.467
100.	13.175	35.790	6.12	13.162	26.970	31.358	35.646	0.110	1503.4	99.	0.1104E+03	0.799
120.	12.688	35.710	5.97	12.671	27.006	31.405	35.702	0.131	1502.0	119.	0.1074E+03	2.443
140.	12.309	35.651	5.57	12.290	27.036	31.443	35.748	0.153	1501.0	139.	0.1050E+03	2.215
160.	12.111	35.630	5.41	12.090	27.057	31.469	35.778	0.173	1500.6	159.	0.1034E+03	1.890
180.	11.973	35.611	5.47	11.949	27.070	31.485	35.797	0.194	1500.4	179.	0.1027E+03	1.460
200.	11.892	35.601	5.35	11.866	27.078	31.494	35.808	0.215	1500.5	198.	0.1025E+03	1.147
220.	11.818	35.592	5.41	11.789	27.085	31.504	35.819	0.235	1500.5	218.	0.1023E+03	1.136
240.	11.742	35.584	5.39	11.711	27.093	31.514	35.831	0.255	1500.6	238.	0.1020E+03	1.177
260.	11.648	35.575	5.17	11.614	27.103	31.527	35.846	0.276	1500.6	258.	0.1014E+03	1.347
280.	11.528	35.559	4.97	11.492	27.114	31.540	35.862	0.296	1500.5	278.	0.1009E+03	1.360

CTD11029



TEMP (DEG.C)	3.	5.	7.	9.	11.	13.	15.
SALINITY (PSU)	35.2	35.4	35.6	35.8	36.0	36.2	36.4
OXYGEN (ML/L)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
SIGMA0 (CGS)	26.8	27.0	27.2	27.4	27.6	27.8	28.0
SIGMA1500 (CGS)	33.8	33.9	34.0	34.1	34.2	34.3	34.4

DISCOVERY CR 145 CTD11029 0 1984/83/1741 41 7.30N 10 27.80W

DISCOVERY 145 STATION 11029

P-DB	T-DEGC	SAL-PSU	DO-ML/L	POTEMP	SIGMAT	SIG1000	SIG2000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.192	35.801	5.64	13.191	26.975	31.360	35.647	0.011	1501.9	10.	0.1074E+03	-9.999
20.	13.178	35.799	5.68	13.175	26.977	31.362	35.649	0.021	1502.0	20.	0.1076E+03	0.712
40.	13.181	35.799	5.70	13.176	26.977	31.362	35.649	0.043	1502.4	40.	0.1082E+03	-0.147
60.	13.180	35.799	5.68	13.172	26.978	31.363	35.650	0.065	1502.7	60.	0.1087E+03	0.411
80.	13.156	35.798	5.66	13.144	26.983	31.368	35.656	0.087	1503.0	79.	0.1088E+03	0.869
100.	13.154	35.797	5.68	13.140	26.983	31.369	35.657	0.108	1503.3	99.	0.1094E+03	0.305
120.	13.152	35.797	5.69	13.135	26.984	31.369	35.658	0.130	1503.6	119.	0.1099E+03	0.268
140.	13.147	35.795	5.67	13.127	26.984	31.370	35.658	0.152	1503.9	139.	0.1105E+03	0.226
160.	13.086	35.785	5.61	13.063	26.989	31.376	35.666	0.174	1504.0	159.	0.1106E+03	0.892
180.	12.819	35.740	5.45	12.794	27.009	31.401	35.697	0.196	1503.4	179.	0.1092E+03	1.819
200.	12.436	35.682	5.13	12.409	27.040	31.440	35.743	0.218	1502.4	198.	0.1067E+03	2.274
220.	12.257	35.659	5.03	12.228	27.058	31.462	35.768	0.239	1502.1	218.	0.1056E+03	1.703
240.	12.053	35.633	4.81	12.021	27.078	31.486	35.797	0.260	1501.7	238.	0.1041E+03	1.822
260.	11.947	35.621	4.81	11.913	27.089	31.500	35.813	0.281	1501.7	258.	0.1035E+03	1.391
280.	11.804	35.607	4.81	11.767	27.106	31.520	35.836	0.302	1501.5	278.	0.1024E+03	1.663
300.	11.657	35.594	4.81	11.619	27.124	31.541	35.860	0.322	1501.3	297.	0.1012E+03	1.740
320.	11.544	35.575	4.81	11.503	27.131	31.551	35.872	0.342	1501.2	317.	0.1010E+03	1.104