

I.O.S.

CTD DATA
FROM THE NORTHEAST ATLANTIC OCEAN
22°N - 33°N, 19°W - 24°W, JULY 1983
DURING RRS DISCOVERY CRUISES 138, 139

BY
P. M. SAUNDERS AND A. MANNING

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OCEAN DISPOSAL OF HIGH LEVEL RADIOACTIVE WASTE
A RESEARCH REPORT PREPARED FOR THE DEPARTMENT
OF THE ENVIRONMENT

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INSTITUTE OF OCEANOGRAPHIC SCIENCES

WORMLEY

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22°N - 33°N, 19°W - 24°W, July 1983
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RADIOACTIVE WASTE MANAGEMENT

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ABSTRACT (100-200 words as desired)

This report presents lists and graphs of CTD data obtained aboard RRS Discovery during July 1983. A series of approximately 27 stations were made in the vicinity of 32° 30' N 20° W, 150 miles West of Madeira, in support of an experiment to investigate the benthic boundary layer on the lower continental rise (in water depths approximately 4000-5000m). South of this location stations were occupied along longitude 24° W culminating in a series on the lower continental rise near 23° N. All CTD data were reconciled with reversing thermometer observations and with measurements of salinity and dissolved oxygen derived from samples.

KEYWORDS: 126, 299 - Ocean circulation/dispersal, DoE sponsored research.

This work has been commissioned by the Department of the Environment as part of its radioactive waste management research programme. The results will be used in the formulation of Government policy, but at this stage they do not necessarily represent Government policy.

TABLE OF CONTENTS

	Page
Abstract	3
Method of data collection	5
Reconciliation of CTD data with rosette sample data	5
Computation of potential transmittance	7
Computer processing of CTD data	8
Acknowledgements	9
References	9
Tables 1-3	10-13
Appendix - stages of data processing	14-22
Figures 1-2 location of data	23-24
Figures 3-47 T, S, DO versus p	25-69
Station data lists (i) to (xlv)	70-114

METHOD OF DATA COLLECTION

The data described in this report was gathered at the end of Discovery cruise 138 and throughout the subsequent cruise 139 in the summer of 1983. The Ports for cruise 139 were Funchal (Madeira) and Dakar (Senegal). Measurements were made with a Neil Brown CTD equipped with a Beckman dissolved oxygen electrode and 1 m path transmissometer from Sea Tech., Inc. Earlier reports in this series (e.g. Saunders, 1983) give details of the equipment and procedures. Here we comment only on changes in either.

All stations were made from the midship winch to within about 10 m of the bottom as determined from a short-range echosounder installed on the CTD frame. All measurements were employed using the same instruments and sensors. The new General Oceanics multisampler bottles were clearly an improvement on those they replaced and only about 5% of the salinity samples were discarded.

Stations 10810 to 10850 (see Table 1) were made in a region about 150 km x 150 km in water of depths between 4000 m and 5200 m on the lower continental rise, due west of Madeira (see figure 1). These measurements were conducted as part of an investigation of the benthic boundary layer and near bottom processes on a smoothly sloping bed. Seven near-bottom moorings were deployed on Discovery cruise 138 and recovered on cruise 141 after a duration of 120 days (Gould, 1983). On cruise 139 a cluster of six neutrally buoyant floats were deployed at depths between 4200 m and 4300 m and tracked for a period of 10 days to measure dispersion. The scope of this work, but not the results, are described in Discovery Cruise Report 148 (Elliott, 1983). Stations 10851 to 10869 (see Table 1) were subsequently made on a longitudinal section on 24°W between 28°N and 22°N before the ship docked at Dakar (see figure 2).

RECONCILIATION OF CTD DATA WITH ROSETTE SAMPLE DATA

(a) Pressure

The pressure sensor was calibrated with a dead-weight tester in the laboratory in June 1984 and showed a sensitivity unaltered from similar calculations made in both 1980 and 1982. The deck pressure offset was stable and a value of 10 db was assumed for all stations. Differences between the pressures determined from pairs of reversing thermometers (protected and unprotected) and simultaneous observations of CTD pressure, made after a five minute stop, are shown in table 2. Deep and shallow measurements are

distinguished and the results are found to be very similar to previous experience (Saunders, 1983).

For stations made over a flat bottom it is also possible to compare CTD pressures with estimates derived from the ship's echosounder utilising depth-pressure conversions derived by the author (Saunders, 1981). 32 such comparisons on cruise 139 gave a mean difference of -1 db with CTD pressure less and a standard deviation of 3.5 db.

(b) Temperature

Laboratory calibrations of May 1983 and December 1983/January 1984, prior to and post cruises 138 and 139 showed the CTD temperature measurements stable to about .002°C. The latter calibrations were the more carefully made, with both instrument and sensor immersed. Corrected CTD values were derived from the equation $T = .027 + .00049943 \times \text{RAWTEMP}$. In earlier investigations we derived the temperature calibrations by fitting CTD temperature with deep sea reversing thermometer DSRT measurements (Saunders, 1983). Here we are able to compare CTD and DSRT measurements, see table 2. The differences are small but somewhat larger than expected given the care taken.

(c) Salinity

As found on previous cruises in the N.E. Atlantic observations of salinity S (derived from samples) at potential temperature θ less than 2.6°C reveal a linear θ -S relation, $S = 34.698 + 0.098 \times \theta$. The cell factor required to bring provisional CTD salinities into agreement with this relation was determined for each station, see the last column of table 1. The stability of the CTD is quite good, the extreme range of adjustments used was 1.00030 to 1.00007 corresponding to salinity variations of .008 (practical salinity scale). The standard deviation about the mean adjustment, expressed in the same way is .0022. The repetition of stations within the same small geographical region shows the time variations are instrumental rather than oceanic and on the section southward the apparent variations are not duplicated by the sample salinities and hence are again instrumental in origin.

Comparisons have been made between salinities derived from the rosette sampler and Guildline salinometer with the listed, viz corrected, CTD values. The statistics of 450 such comparisons are displayed in table 2. The deep salinities are seen to be of high quality with mean of zero and standard deviation of .003.

(d) Oxygen

The procedure employed in reconciling dissolved oxygen concentration derived from sample values and the current flowing through the Beckman oxygen electrode has been described by Saunders (1983). It will be summarised here. The electrode current exhibits a temperature dependent lag: we correct it using the expression

$$\text{LAG (secs)} = 70 \exp - 0.1 \times T \text{ (ambient)}^\circ \text{C}$$

Dissolved oxygen fractional saturation F , oxygen probe current I , temperature T' and pressure p are given by

$$\ln F - \ln I = \ln C' + \alpha' T' + \beta' p$$

A least square fit of 70 data sets gave

$$C' = 1.28 \times 10^{-3} \quad \alpha' = -.0316^\circ \text{C}^{-1} \quad \beta' = 1.758 \times 10^{-4} \text{ db}^{-1}$$

where T' is set equal to the ambient temperature (and the electrode temperature is ignored).

The comparison between sample oxygen concentrations and CTD oxygen values is shown in table 2. The r.m.s. difference is somewhat smaller than found previously and probably reflects improvements in our sampling/analytical procedures. For conversion of ml/l to $\mu\text{mol/kg}$ multiply by a factor of 43.57.

COMPUTATION OF POTENTIAL TRANSMITTANCE

The Sea Tech 1 m path transmissometer measures light transmission at a wavelength of 660 ± 25 nm. The nominal output is 0 to 5 volts for transmittances between 0 and 100%. Various corrections are applied to the measured voltage as described below.

A major correction must be made for the decline in source radiance as it ages, via the 'air calibration' measurement. On cruise 139, about 2 years after delivery of the instrument, sensitivity had decreased about 6% from the manufacturers measured initial condition. Minor corrections (on Instrument 80-117) are applied for uncompensated temperature effects, namely -.07% at the surface and +.03% at 5000 db, derived from manufacturer supplied data. The refractive index of seawater between the optical surfaces of the instrument varies with pressure, temperature and salinity: these influence instrument sensitivity. Corrections vary from -.05% at the surface to +.15% at abyssal depth. The final adjustment takes account of the compressibility of sea-water

and hence the increased mass of scattering material in the 1 m path of the transmissometer with increased pressure. At the surface the adjusted transmittance - termed the potential transmittance - equals the corrected transmittance; at 5000 db depth the potential transmittance is 0.6% longer than the in-situ transmittance. An algorithm for the calculation of corrections and potential transmittance is found at the end of the appendix.

Tabulations of potential transmittance expressed as a percentage will be found amongst the temperature, salinity, dissolved oxygen values. The clearest water (maximum potential transmittance) is found at depths near and often in excess of a pressure of 4000 db. If we ignore station 10834 where transmittance appears to be about 1% low (we suspect obscuration of an optical surface) the mean potential transmittance for 43 stations at 4000 db is 68.85% with a r.m.s. variation of 0.15%. Most of this variation appears to be random, i.e. noise. It is not inconsistent with the manufacturer's claim of 0.5% for the accuracy of the measurement.

COMPUTER PROCESSING OF CTD DATA

Data processing ashore starts with raw one-second average values obtained from the ship-borne PDP 11/34 system. The G-EXEC file handling package is employed on the Honeywell 66/DPS-300 at IOS Bidston. The computation path is described in general terms in Table 3 and a description of the jobs listed in the Appendix.

Standard plots and lists occupy the main body of the report. Derived quantities have been computed mainly from algorithms published in UNESCO Technical Paper on Marine Science No. 44 (Fofonoff and Millard, 1983).

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Mr. J. Moorey determined salinities and oxygens and corrected thermometers, Messrs J. Smithers and G. Griffiths maintained the CTD unit, and Dr. R.T. Pollard and Miss D. Jones operated the PDP 11/34 data acquisition system. Dr. W.J. Gould and Dr. A.J. Elliott, chief scientists on cruises 138 and 139, respectively permitted all measurements to be made.

The work described in this report has, in part, been carried out under contract for the Department of the Environment as part of its radioactive waste management programme. The results will be used in the formulation of Government policy but at this stage they do not necessarily represent that policy.

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TABLE 1
CTD Station List

Cruise 138

Station	Day	Down		Water		
		Time	Lat (N)	Long (W)	Depth (m)	Salra
10810	185	0762	33° 19'	21° 50'	5314	1.000269
10813	186	1937	32° 36'	20° 07'	4667	1.000246
10820	188	0625	32° 27'	20° 09'	4639	1.000262
10821	188	1312	32° 22'	20° 11'	4670	1.000298
10822	188	2023	32° 17'	20° 14'	4682	1.000244
10823	189	0145	32° 23'	20° 21'	4731	1.000246
10824	189	0925	32° 22'	20° 15'	4705	1.000243

Cruise 139

10825	194	0210	32° 20'	19° 39'	4046	1.000238
10827	194	1601	32° 19'	20° 07'	4559	1.000226
10828	195	0037	32° 00'	20° 10'	4681	1.000203
10830	195	1106	32° 19'	20° 41'	4935	1.000194
10832	196	0506	31° 30'	20° 40'	4839	1.000197
10833	196	1301	31° 41'	20° 08'	4702	1.000187
10834	196	2049	31° 50'	19° 40'	4162	1.000185
10835	197	0848	32° 21'	20° 14'	4698	1.000196
10836	198	0741	32° 35'	19° 40'	4158	1.000190
10837	199	0629	32° 17'	19° 54'	4306	1.000171
10839	199	2334	32° 21'	20° 13'	4690	1.000143
10840	200	0929	32° 50'	19° 40'	4024	1.000184
10841	200	1453	32° 52'	19° 46'	4572	1.000169
10842	200	2125	32° 58'	20° 30'	5026	1.000143
10843	201	0503	33° 04'	21° 08'	5262	1.000144

TABLE 1 continued

Station	Day	Down			Water	
		Time	Lat (N)	Long (W)	Depth (m)	Salra
10845	202	0954	32° 21'	20° 14'	4694	1.000168
10846*	203	0230	32° 36'	19° 28'	3945	1.000098
10848	204	0125	32° 36'	20° 27'	4805	1.000094
10849	204	2358	32° 18'	20° 59'	4977	1.000083
10850	205	0729	32° 19'	21° 14'	5073	1.000088
10851	205	2050	31° 39'	22° 35'	5204	1.000069
10852	206	1948	29° 00'	24° 00'	5190	1.000047
10853	207	0548	28° 05'	24° 01'	5137	1.000165
10854	207	1702	27° 00'	24° 00'	5111	1.000111
10855	208	0339	26° 29'	23° 02'	4969	1.000068
10856	208	1351	26° 00'	24° 00'	5097	1.000092
10858	209	0257	25° 00'	24° 00'	5101	1.000085
10859	209	1343	24° 00'	24° 00'	5071	1.000129
10860	210	0030	23° 02'	24° 18'	5105	1.000072
10861	210	0858	22° 31'	24° 00'	5026	1.000123
10862	210	1639	22° 04'	23° 42'	4937	1.000078
10863	210	2303	21° 48'	23° 26'	4849	1.000086
10864	211	0602	21° 31'	23° 07'	4740	1.000095
10865	211	1226	21° 12'	22° 54'	4619	1.000088
10866	211	1824	21° 00'	22° 42'	4518	1.000154
10867	212	0023	20° 44'	22° 30'	4353	1.000166
10868	212	0642	20° 28'	22° 11'	4156	1.000232
10869	212	1240	20° 10'	22° 01'	3961	1.000255

*Upcast, oxygen values likely to be incompatible.

TABLE 2
Fit of CTD Data to Rosette Sample Values

Variable	Range	Difference between CTD and Rosette Measurements		
		Mean difference	R.M.S.	Number
Pressure, db	0 - 2000 db	+ 2.3	3.8	79
	2000 - 5400 db	+ 2.9	4.9	116
Temperature, °C	5 - 23° C	+ .007	.020	156
	2 - 5° C	+ .004	.003	125
Salinity	0 - 2000 db	+ .002	.018	280
	2000 - 5400 db	0	.003	175
Oxygen, ml/l	0 - 2000 db	- .020	.174	39
	2000 - 5400 db	+ .018	.124	31

The depth of the 5° C isotherm is approximately 1800 db.

Data Processing path (also see Appendix)

Stage

CTDIN	Input raw 1-second averaged data; sketch them
CTD0	Provisional edit of noisy variables
CTD1	Calibrate p, T compute provisional S, θ ; list
CTD2	Compute potential transmittance and salinity correction
CTD3	Lag oxygen current and correct salinity
CTD4	Calculate dissolved oxygen concentration
CTD5	Truncate data ends and identify suspect data
CTD6	Edit selected suspect data
CTD7	Create 5 db average values for down lowering
CTD8	Fill data gaps at start of lowering
CTDPLOT	Plot 5 db average values
CTDARCH	Archive 5db average values to tape
CTD9	Construct a station list.

APPENDIX

CTDIN. Input raw CTD data; sketch it.

```
EXEC PDPIN
  11
FILE,12,WPRDI10810BW
TYPE,7,210,150000,366,
FIND WTAPE92956
MAKE WPRDI10810BW
EXEC PCOPYA
  1
VARS,-
COPY,,
FIND WPRDI10810BW
MAKE WPRDI10810BW
EXEC PSKCH
  0
CYCS,,
GROUP,100
VARS,-
FIND WPRDI10810BW
*
```

CTD0. Provisional edit of noisy variables.

```
EXEC PEDITA
0000001
LIMIT,COND,320000,505000
LIMIT,DELTAT,-10000,10000
LIMIT,TRANSMIT,29000,32500
LIMIT,OXYC,2300,17500
FIND WPRDI10810BW
MAKE WPRDI10810BW
*
```


CTD1. Calibrate p,T; compute prov. S,theta and list.

```
EXEC PCALIB
0
LINEAR,PRES,PRES,.01,-10.,DECIBARS,-999.
LINEAR,TEMP,TEMP,.000049943,.027,DEGC,-9.99
LINEAR,COND,COND,.0001900825,.0,MMHO,-9.99
LINEAR,DELTAT,DELTAT,.0000125,.0,DEGC,-9.99
LINEAR,TRANSMIT,TRANSMIT,.0019926,.0,PERCENT,-99.9
LINEAR,OXYT,OXYT,.0128,.0,DEGC,-9.99
LINEAR,OXYC,OXYC,0.1,0.0,UAUMPS,-999.
LINEAR,TIME,TIME,1.0,0.0,SECS,-999.
FIND WPRDI10810BW
MAKE PHYSFILE,,,8,15000
EXEC PARITH
0
CYCS,,
COPY,PRES
ADD,TEMP,DELTAT,TEMP,DEGC,-9.99
COPY,COND,DELTAT,TRANSMIT,OXYT,OXYC,TIME
FIND PHYSFILE
MAKE WPRDI10810BW
EXEC PEOS83
0
CYCS,,
COPY
VARS,PRES,TEMP
SAL78
VARS,P,1,T,2,G,3
PTMP,0.0
VARS,P,1,T,2,S,3
COPY
VARS,TRANSMIT,OXYT,OXYC,TIME
FIND WPRDI10810BW
MAKE WPRDI10810BW
EXEC PLSTDC
00001
EVERY,50
CYCS,,
VARS,-
FIND WPRDI10810BW
*
```

CTD2. Compute pot. transmittance and salinity correction factor.

```
EXEC PUSRIO
0
VARS,PRES,TEMP,SAL78,POTEMP,TRANSMIT
CYCS,,
COMM POTTRAN ACCORDING TO APPROXIMATE METHOD - PMS MARCH 83
COMM FCON(1) IS AIR CAL AND FCON(2) IS OFFSET - BOTH VDC
FCON,4.06,-0.003
OVARS,PRES,TEMP,SAL78,POTEMP
NVAR,POTRAN
OVARS,OXYT,OXYC,TIME
SUBS
$$ SELECT(PMS/TRANSMIT)
FIND WPRDI10810BW
MAKE WPRDI10810BW
*
```

CTD3. Lag oxygen current and correct salinity.

```
EXEC PUSRIO
0
VARS,OXYC,TEMP
CYCS,,
COMM FCON(1) IS LAG OF CURRENT IN SECS AT TEMP 0 DEG C
COMM FCON(2) IS FACTOR IN LAG=FCON(1)*EXP-FCON(2)*TEMP
COMM FCON(3) IS DATA INTERVAL IN SECS
FCON,70.,0.1,1.0
OVARS,PRES,TEMP,SAL78,POTEMP,POTRAN,OXYT,OXYC,TIME
SUBS
$$ SELECT(PMS/LAG2)
FIND WPRDI10810BW
MAKE WPRDI10810BW
EXEC PCALIB
0
COPY,PRES,PRES
COPY,TEMP,TEMP
LINEAR,SAL78,SAL78,1.000078,0.0
LINEAR,POTRAN,POTRAN,1.0,0.0
COPY,OXYC,OXYC
COPY,OXYT,OXYT
FIND WPRDI10810BW
MAKE WCTDVK02
EXEC PINTRP
0
LINEAR,1,-,6
FIND WCTDVK02
MAKE WCTDVK02
EXEC PCOPYA
1
VARS,-
COPY,,
FIND WCTDVK02
MAKE WPRDI10810BW
*
```

CTD4. Calculate dissolved oxygen concentration.

```
EXEC POXYCN
0
CYCS,150,5550
COPY
VARS,-
OXYG,.00128,0.,1.0,0.,-0.03157,0.0001758,1.0
VARS,PRES,TEMP,SAL78,OXYC,OXYT
FIND WPRDI10810BW
MAKE PHYSFILE,,,8,10000
EXEC PCOPYA
1
VARS,-
COPY,,
FIND PHYSFILE
MAKE WPRDI10810BW
EXEC PLSTDC
00001
CYCS,1,100
VARS,-
CYCS,-100,
VARS,-
FIND WPRDI10810BW
*
```

CTD5. Truncate data ends and identify suspect values.

```
EXEC PCOPYA
1
VARS,-
COPY,70,5341
FIND WPRDI10810BW
MAKE PHYSFILE,,,8,7000
EXEC PEDITA
0000001
LIMIT,POTRAN,1,72
FIND PHYSFILE
MAKE WPRDI10810BW
EXEC PCHECK
01
CYCS,,
ERRA,0.001,8.0
VARS,-
FIND WPRDI10810BW
MAKE WEDITPR
*
```

CTD6. Edit selected suspect data.

```
EXEC PRIGHT
01
ENTRIES,24,-,27,37
FIND WPRDI10810BW
FIND WEDITPR
MAKE PHYSFILE,,8,7000
EXEC PINTRP
0
LINEAR,-
FIND PHYSFILE
MAKE WPRDI10810BW
EXEC PCHECK
01
CYCS,,
ERRA,0.001,8.0
VARS,-
FIND WPRDI10810BW
MAKE WEDITPR
```

The above stage is repeated as necessary.

*

CTD7. Create 5db averages of lowering.

```
EXEC PCOPYA
1
VARS,PRES,TEMP,SAL78,POTRAN,OXYGEN
COPY,,
FIND WPRDI10810BW
MAKE WCTDWK02
EXEC PGFILE
0
FIND WCTDWK02
MAKE TEMPFILE,,,5,7500
EXEC GSORT3
00000000000000002000PRES
FIND TEMPFILE
MAKE WORKFILE,,,5,7500
EXEC GPFILE
0
FIND WORKFILE
MAKE PHYSFILE,,,5,7500
EXEC PAVRGE
0
SCAN,1,0.,5.0
VARS,-
FIND PHYSFILE
MAKE WPRDI10810BW
EXEC PLSTVR
0
CYCS,,
VARS,-
FIND WPRDI10810BW
*
```

CTD8. Fill data gap at start of lowering.

```
EXEC PCOPYA
0
VARS,-
INSERT,1
COPY,1,
FIND WPRDI10810BW
MAKE PHYSFILE,,,5,1200
EXEC PEDITA
0000001
NUCYC,1,2.5,23.497,37.306,64.478,4.808
FIND PHYSFILE
MAKE WPRDI10810BW
EXEC PLSTDC
00001
CYCS,1,50
VARS,-
FIND WPRDI10810BW
*
```

CTDPLT. Plot 5db average values.

PMS,PMS,DISCOVERY 139 STN 10810 26 29K 23 02W
MESS PMS USING IOS 33
EXEC PCALIB,,WB
0
COPY,PRES,PRES
COPY,TEMP,TEMP
RANGE,SAL78,SAL78,34.9,36.2
COPY,OXYGEN,OXYGEN
FIND WPRDI10810BW
MAKE PHYSFILE,,,4,1200
EXEC PLOTXY,WORM
1
CYCS,1,400
PLOT,250,305,130,200,,,2
XAXIS,2,20,10,2,2,2
YAXIS,2,20,10,2,2,2
YVAR,PRES,0.,2000.,4,200.
XVAR,TEMP,0.,32.5,1,5.0,1
XVAR,SAL78,34.9,36.2,1,.2
XVAR,OXYGEN,2.,8.5,1,1.0,1
FIND PHYSFILE
*

CTDARCH. Archive 5db edited values to tape.

PMS,PMS,PMS ARCHIVE 5DB CTD TO TAPE 90720
EXEC PTARCH
0
FIND WPRDI10810BW
MAKE CTD138/9DI,ARCH
EXEC PTLOOK
00001
FIND CTD138/9DI,ARCH
*

CTD9. Construct station list.

```
EXEC PEOS83
0
CYCS,,
POSI,26,29,23,02
COPY
VARS,1,2,3,4,5
PTMP,0.0
VARS,P,1,T,2,S,3
SIGT
VARS,T,2,S,3
SIGP,4000.
VARS,P,1,T,2,S,3
DYNHT,0.0
VARS,P,1,T,2,S,3
SNDV
VARS,P,1,T,2,S,3
DEPTH
VARS,P,1
FIND WPRDI10810BW
MAKE PHYSFILE,,11,1200
EXEC PFETCH
000001
CYCS,,
VARS,-
SEARCH,PRES
LEVS,10,20,30,50,75,100,125,150,200,250,300,400,500,600,700,800,900
LEVS,1000,1200,1400,1600,1800,2000,2200,2400,2600,2800,3000
LEVS,3200,3400,3600,3800,4000,4200,4400,4500,4600,4700,4800,4900
LEVS,5000,5100,5200,5300,5400,5500,5600
FIND PHYSFILE
MAKE WCTDWK01
EXEC PEOS83
0
CYCS,,
COPY
VARS,-
SVAN
VARS,P,1,T,2,S,3
BVFR
VARS,P,1,T,2,S,3
FIND WCTDWK01
MAKE WPRDI10810SL
EXEC PLSTDC
00000000000101
(1H1//30X,'DISCOVERY 139 STATION 10810'//
' P-DB T-DEGC SAL-PSU DO-ML/L POTEMP SIGMAT SIG4000'
' DYNHT-M SNDV-M/S DEPTH-M SVANOM BVFR-CY/HR'///)
(1X,F8.0,2F9.3,F8.2,1X,3F9.4,F9.3,F9.1,F7.0,F12.4,F9.3)

CYCS,,
VARS,1,2,3,5,-,13
FIND WPRDI10810SL
*
```

```
C      TO COMPUTE POTENTIAL TRANSMITTANCE
C      AUG 1984
C      READ IN DATA IN BLOCKS OF LENGTH N - P PRESS,T TEMP,S SALINITY
C      TR UNCORRECTED TRANSMITTANCE PERCENT (INSTR VOLTS X 20)
C
C      FCON(1)   IS AIR CALIBRATION VOLTAGE
C      FCON(2)   IS OFFSET VOLTAGE
C
C      DO 20 I=1,N
C      DEAL WITH ABSENT VALUES OF P,T,S,TR
C      CORRECTION FOR OFFSET
C      TR(I)=TR(I)+20.*FCON(2)
C      UNCOMPENSATED TEMPERATURE CORRECTION - MFR SUPPLIED DATA
C      TR(I)=TR(I)-.005*(T(I)-9.0)
C      CHANGE IN AIR CAL - DIODE DRIFT
C      TR(I)=TR(I)*4.349/FCON(1)
C      DEPENDENCE OF INDEX OF REFRACTION ON P,T,S - SIMPLIFIED BY PMS
C      TR(I)=TR(I)/(1.001055+2.12E-7*P(I)-1.1E-5*(T(I)-9.0)
C      & +2.9E-5*(S(I)-35.0))
C      POTENTIAL TRANSMITTANCE - SIMPLIFIED BY PMS
C      X=TR(I)/100.
C      TR(I)=X*(1.-ALOG(X)*P(I)/2.158E+5)
C      MFR WATER CALIBRATION AND RESTORE PER CENT
C      TR(I)=TR(I)*99.63
20 CONTINUE
C
C      OVERWRITE TR IN BLOCKS OF LENGTH N
C
*
```

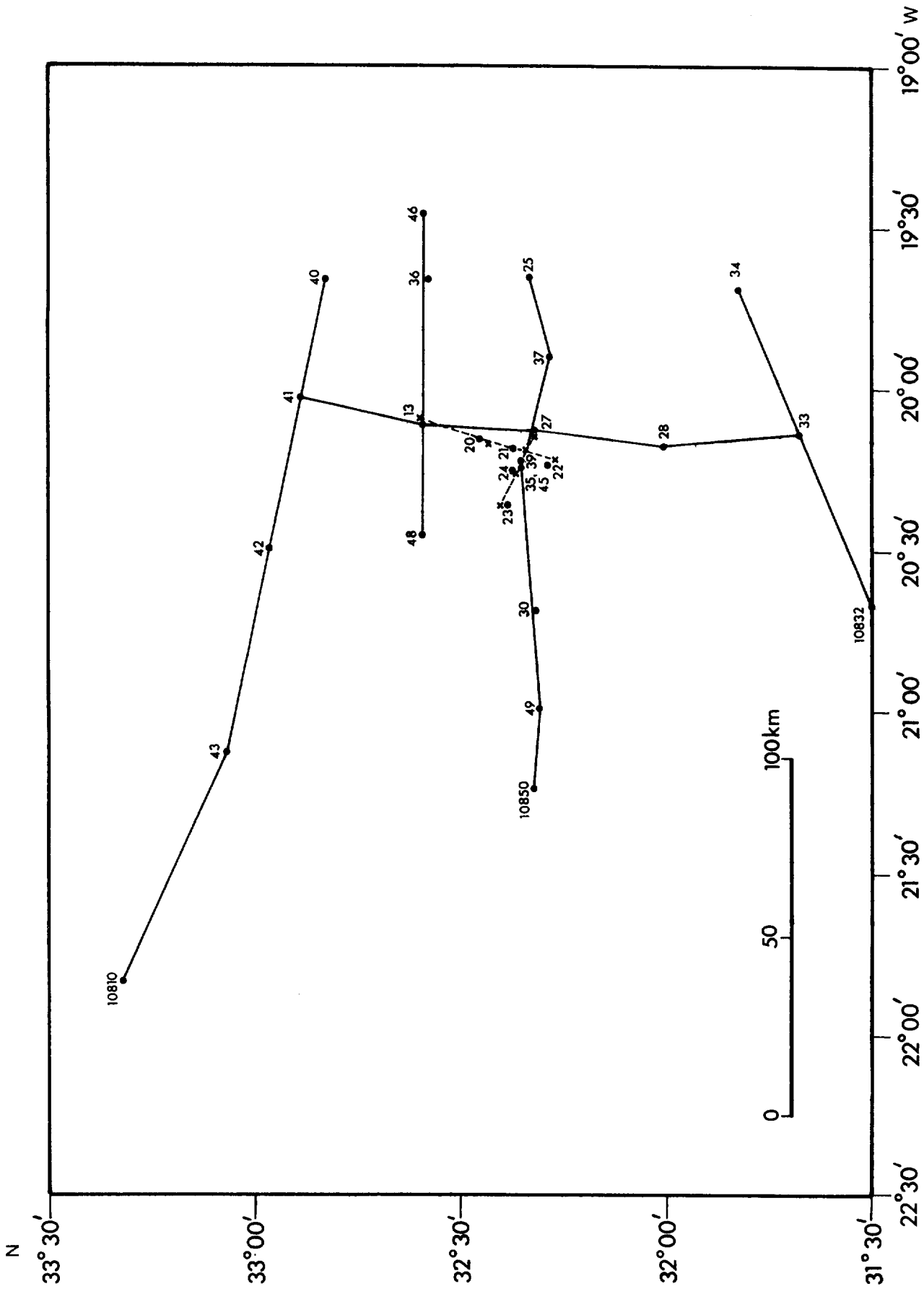



Figure 1 Station locations in vicinity of current meter moorings W. of Madeira

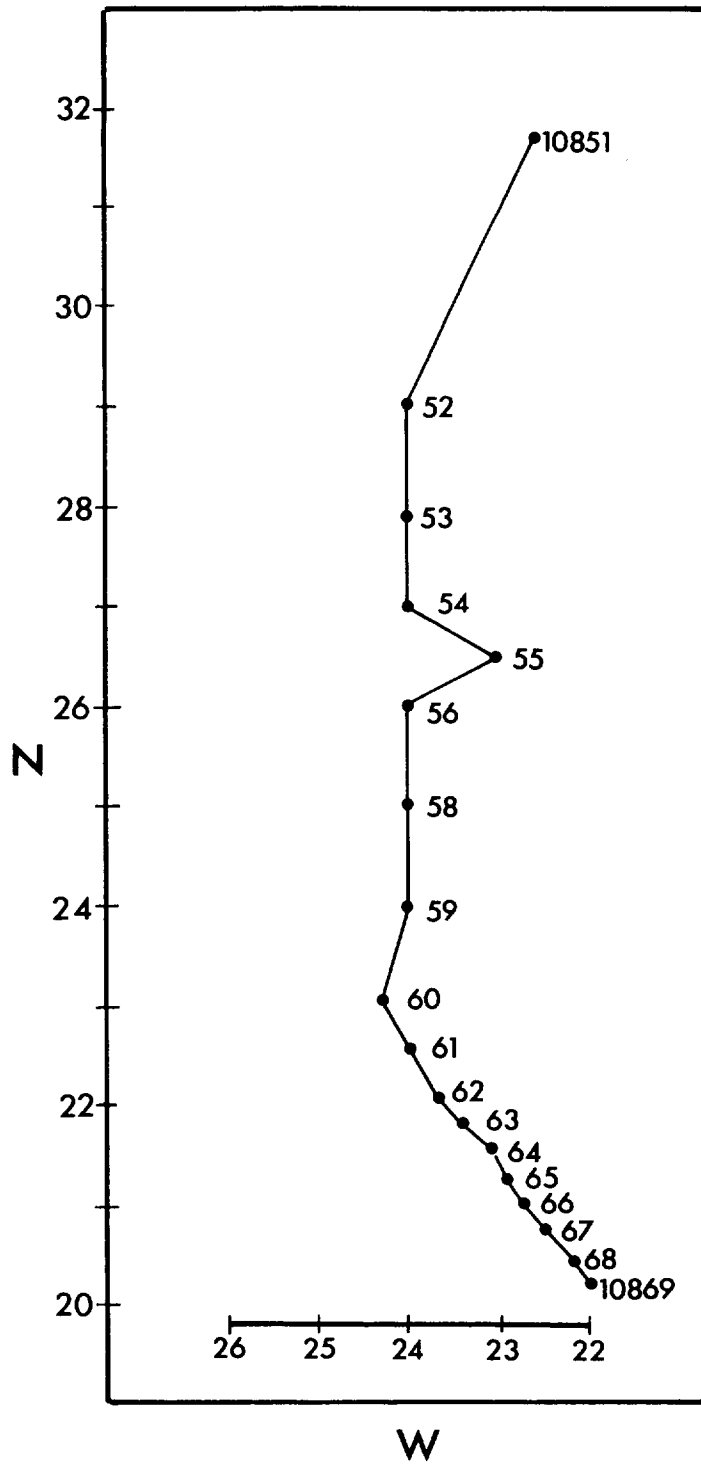
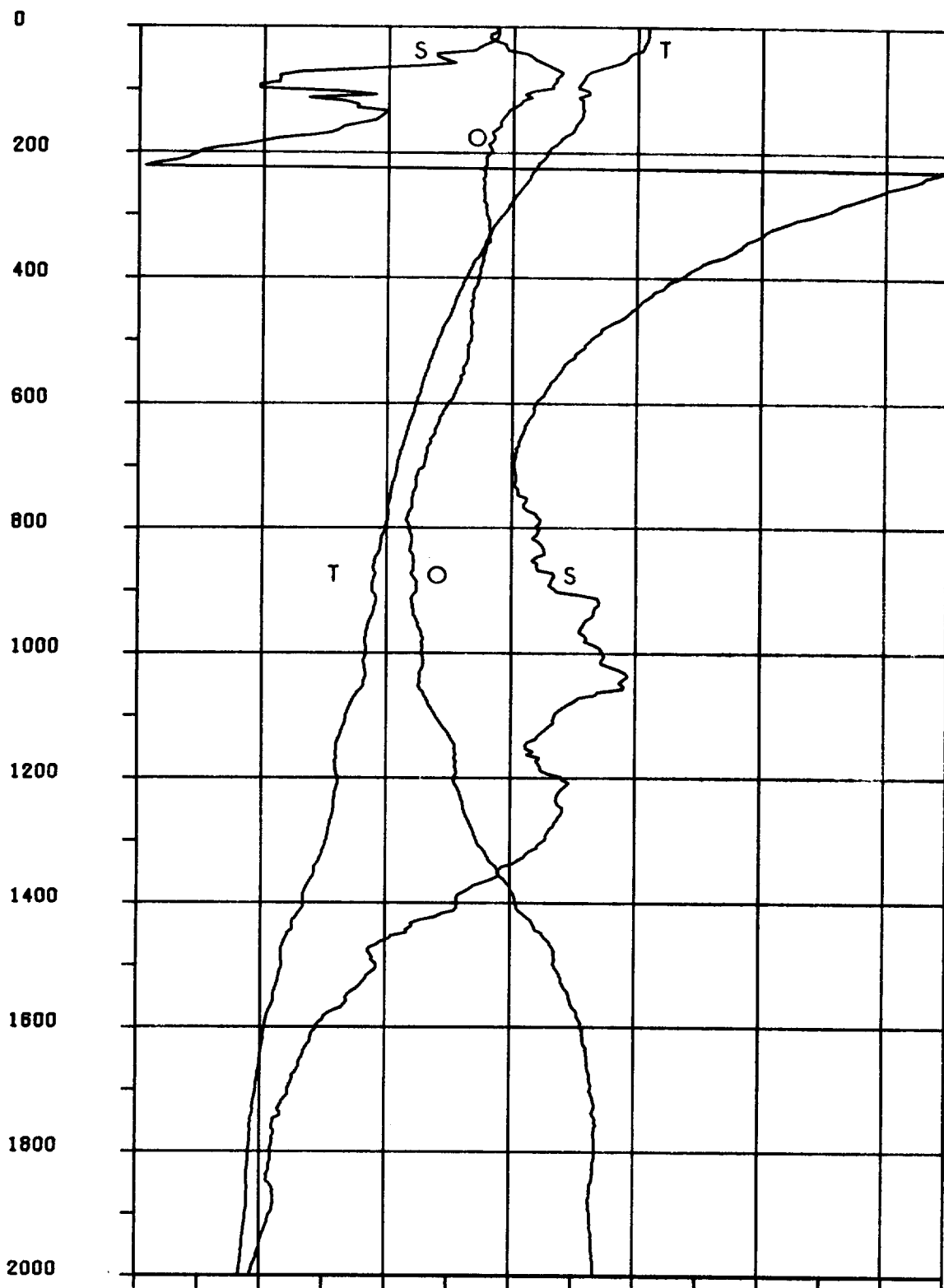


Figure 2 Station locations, Madeira to Dakar.

PRES

25



0.0	5.0	10.0	15.0	20.0	25.0	30.0	TEMP
34.90	35.10	35.30	35.50	35.70	35.90	36.10	SAL78
2.0	3.0	4.0	5.0	6.0	7.0	8.0	OXYGEN

Figure 3

PRES

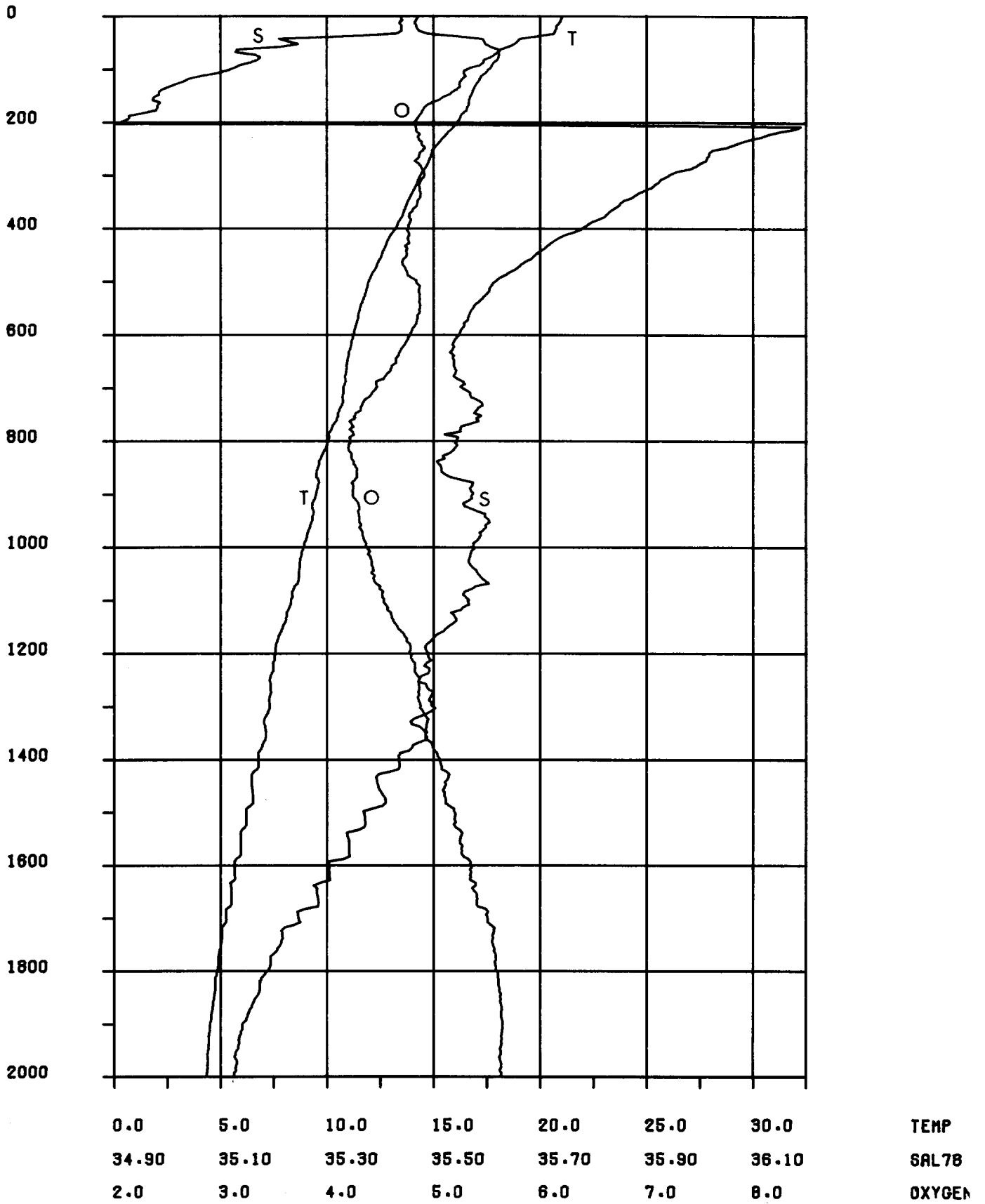


Figure 4

PRES

27

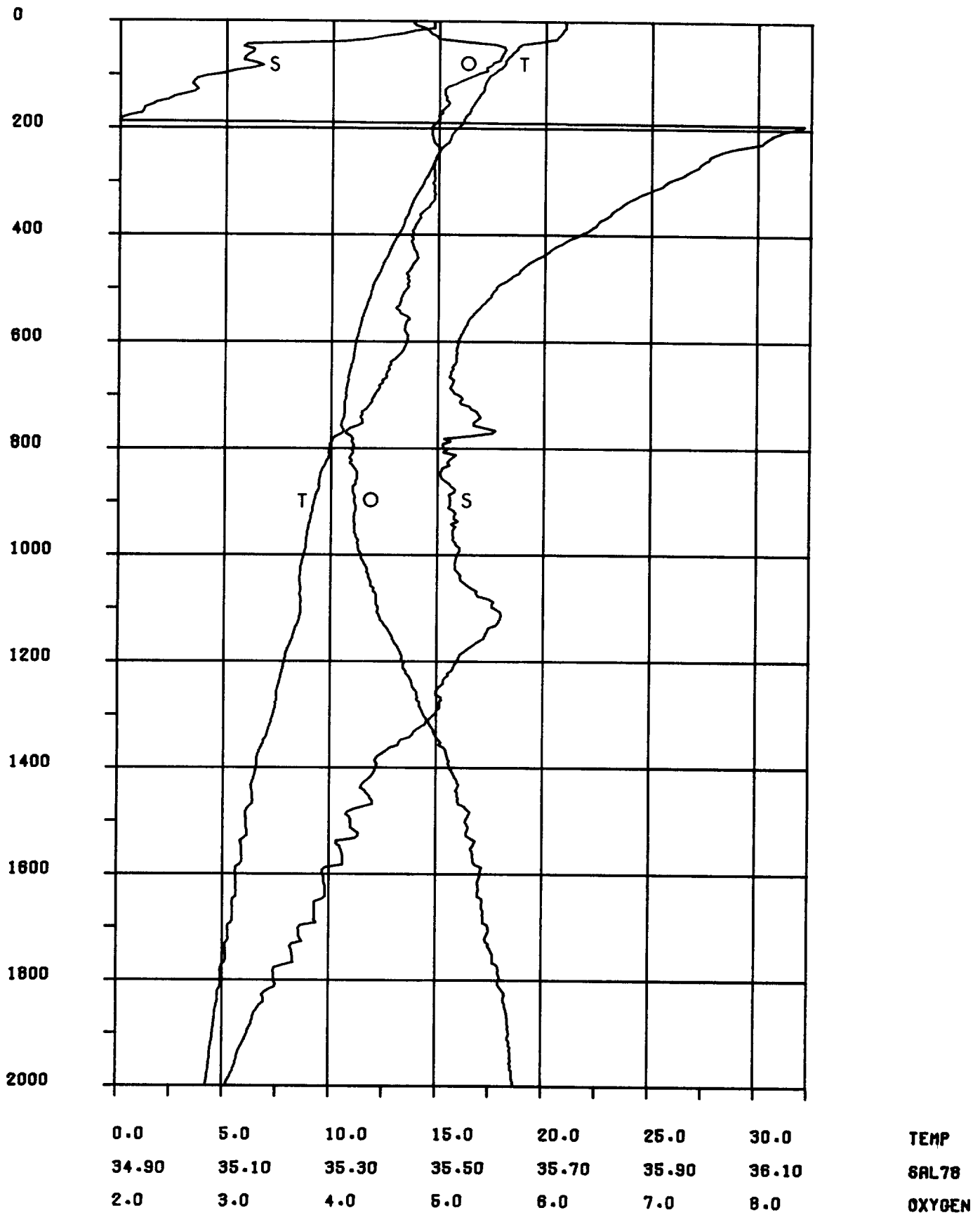


Figure 5

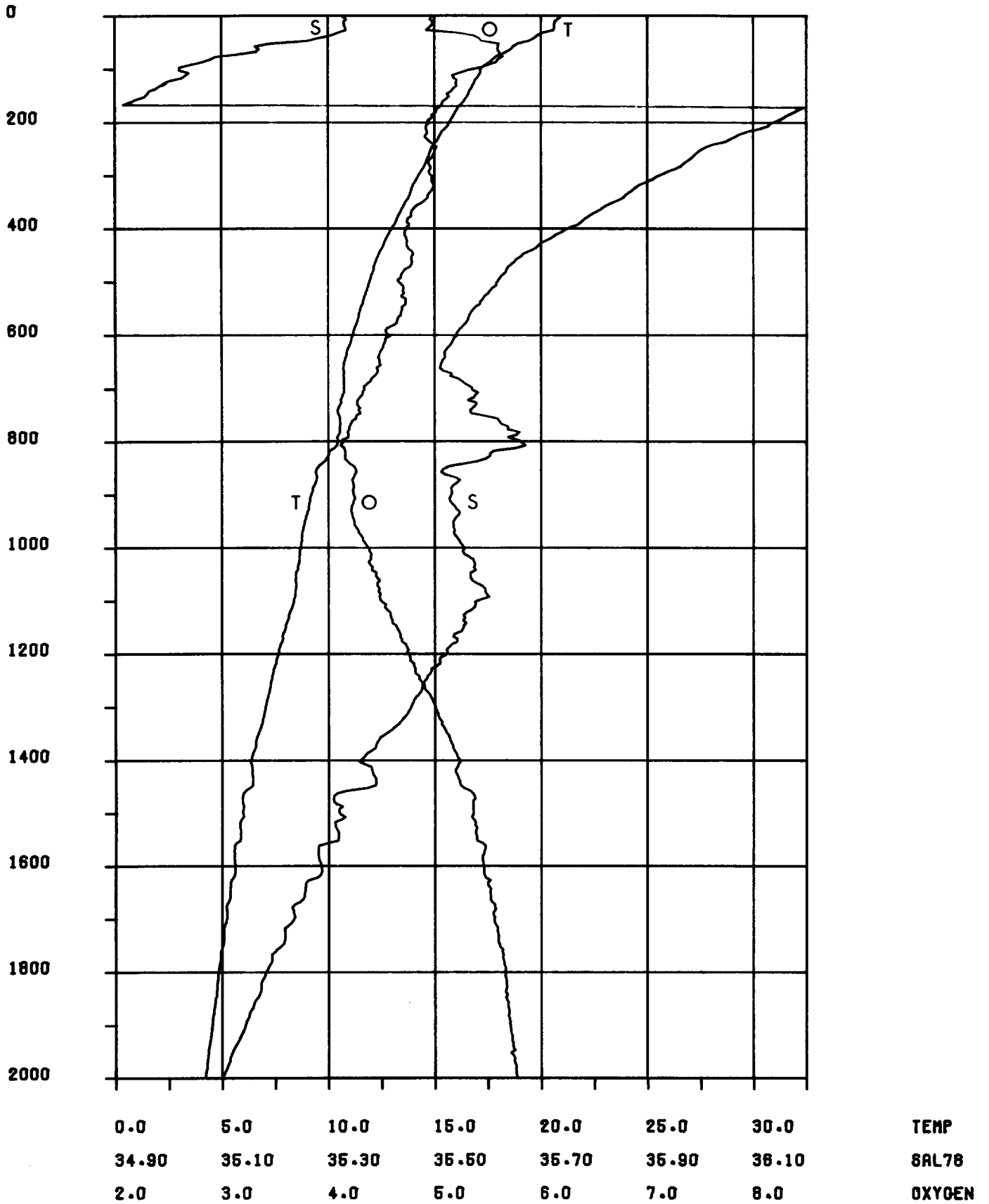


Figure 6

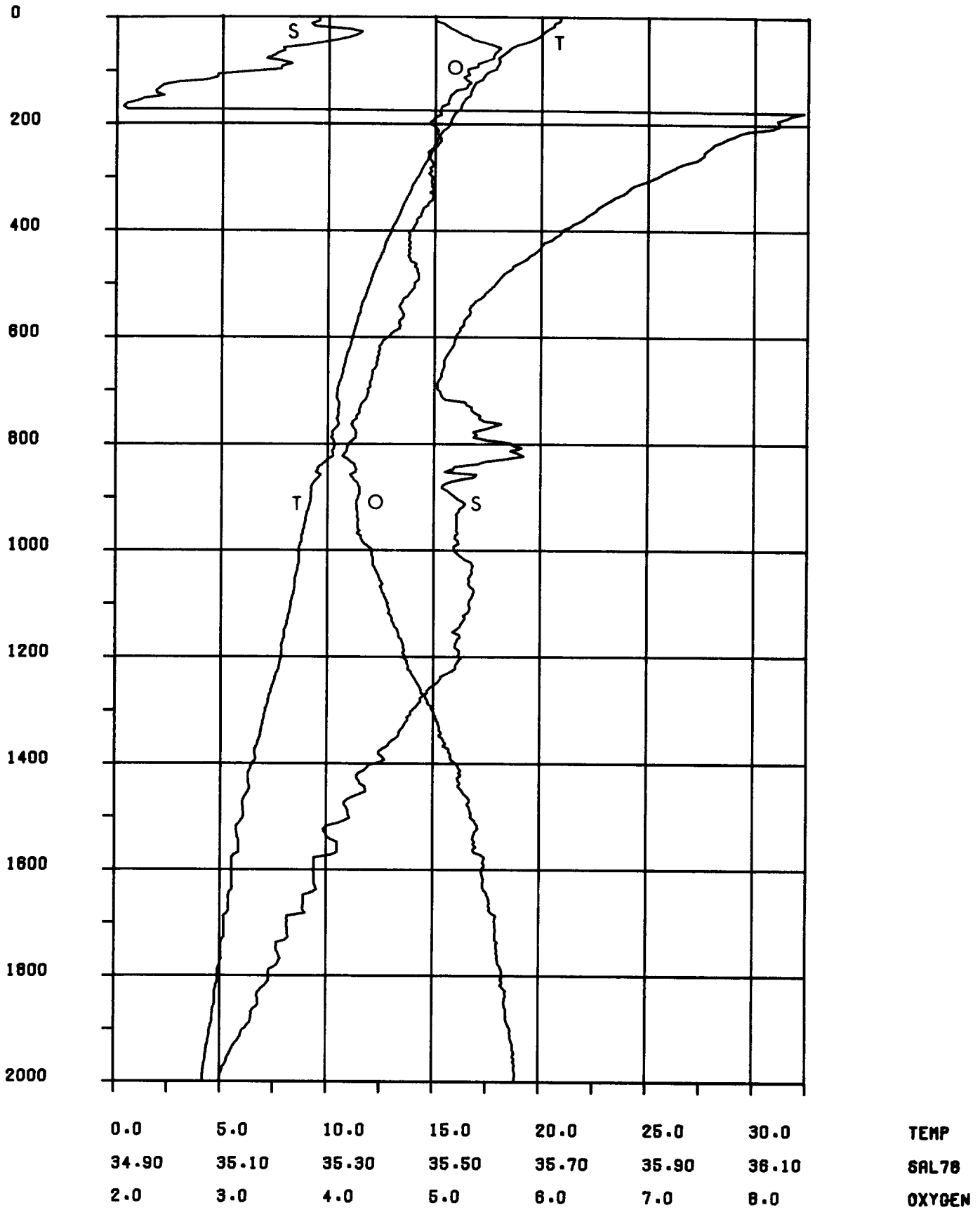


Figure 7

PRES

30

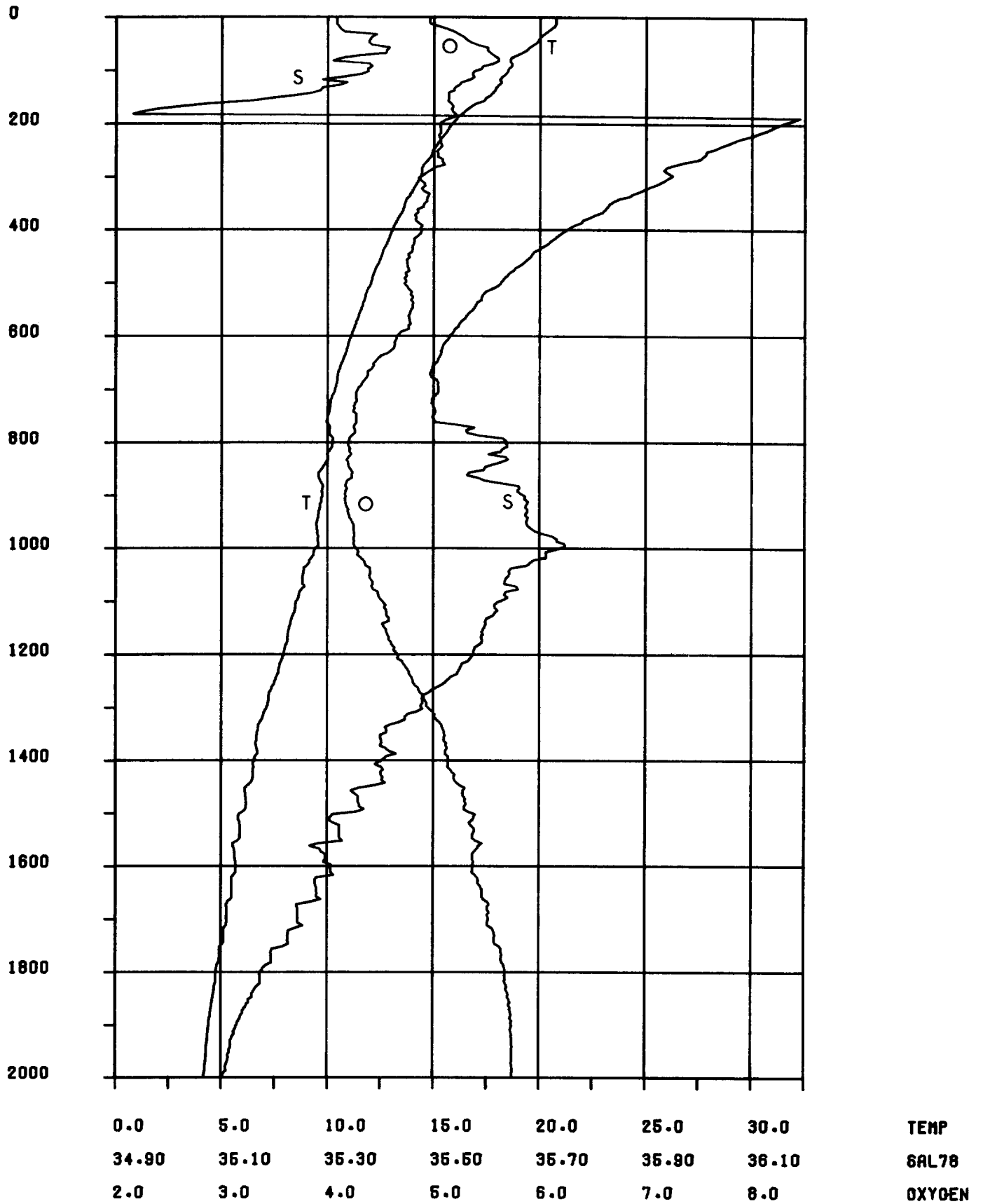


Figure 8

PRES

31

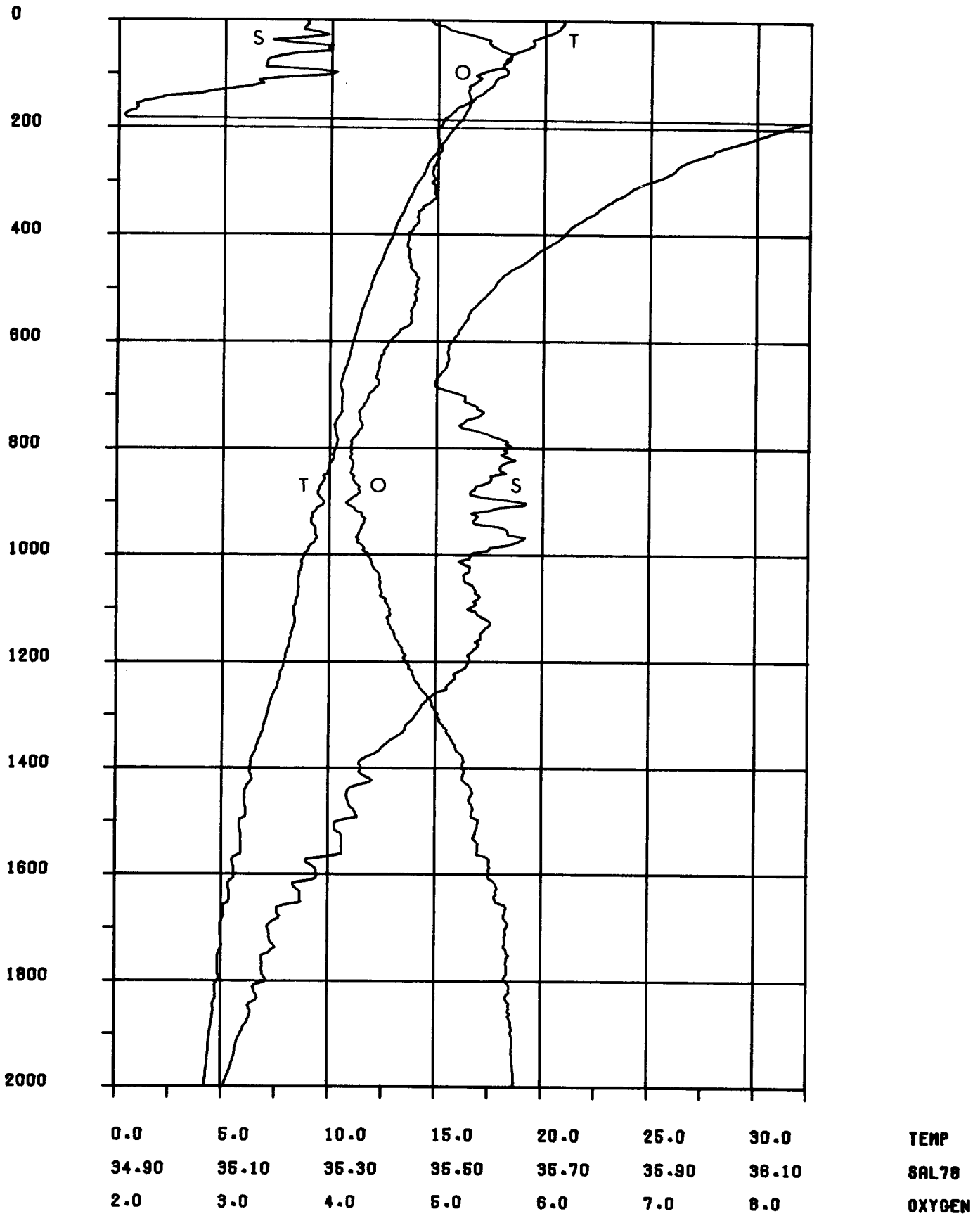
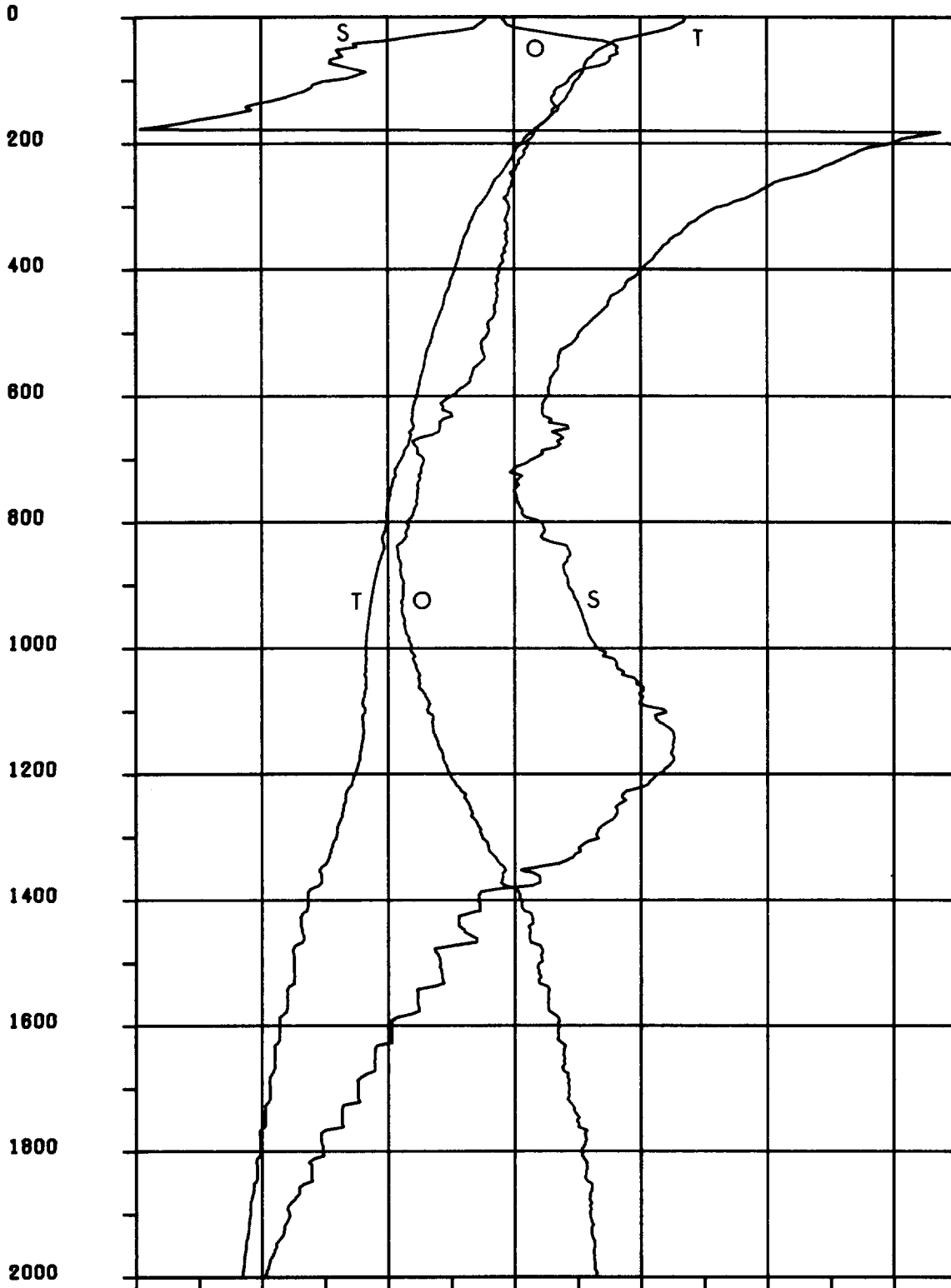


Figure 9

PRES

32



0.0	5.0	10.0	15.0	20.0	25.0	30.0	TEMP
34.90	35.10	35.30	35.50	35.70	35.90	36.10	SAL78
2.0	3.0	4.0	5.0	6.0	7.0	8.0	OXYGEN

Figure 10

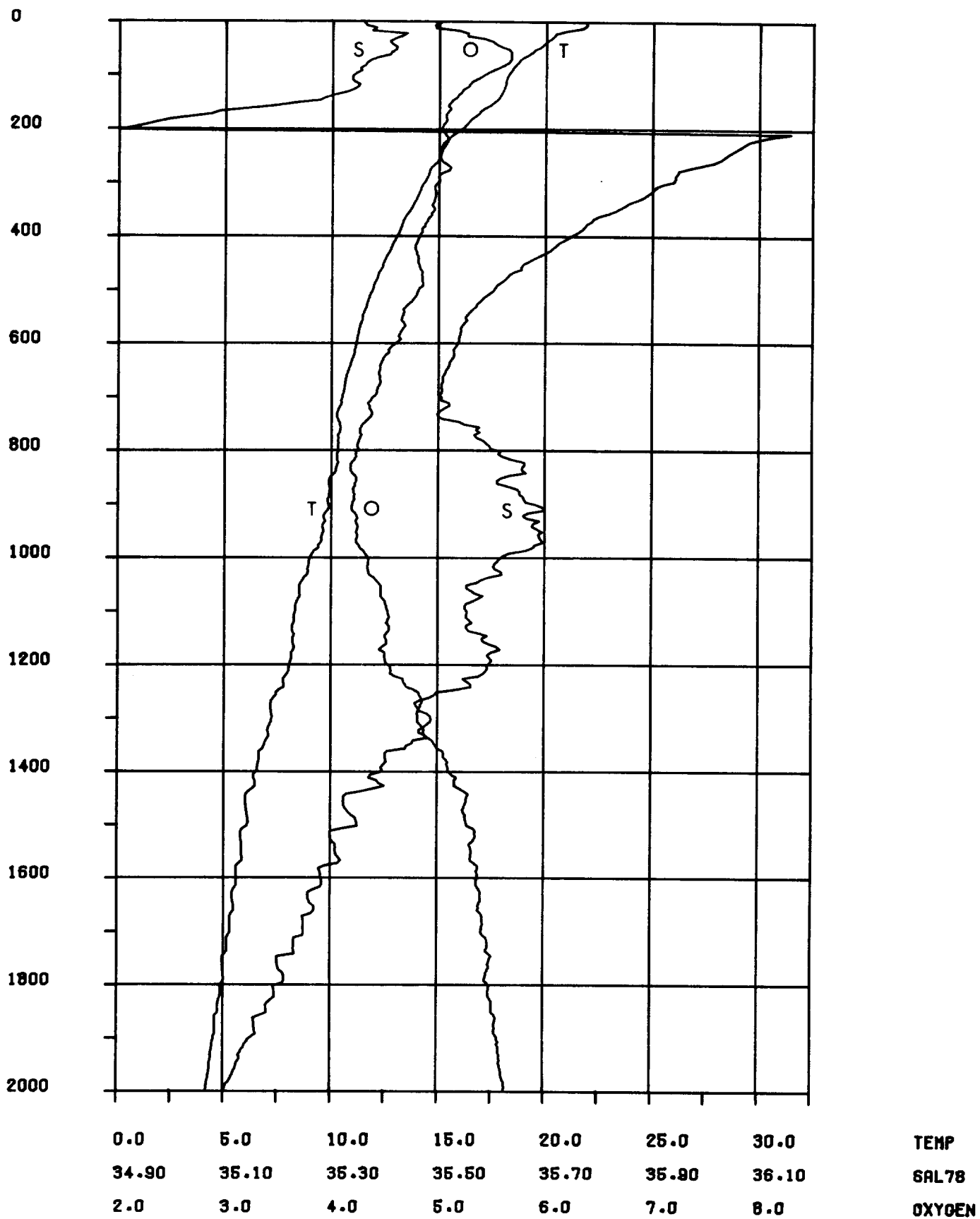


Figure 11

PRES

34

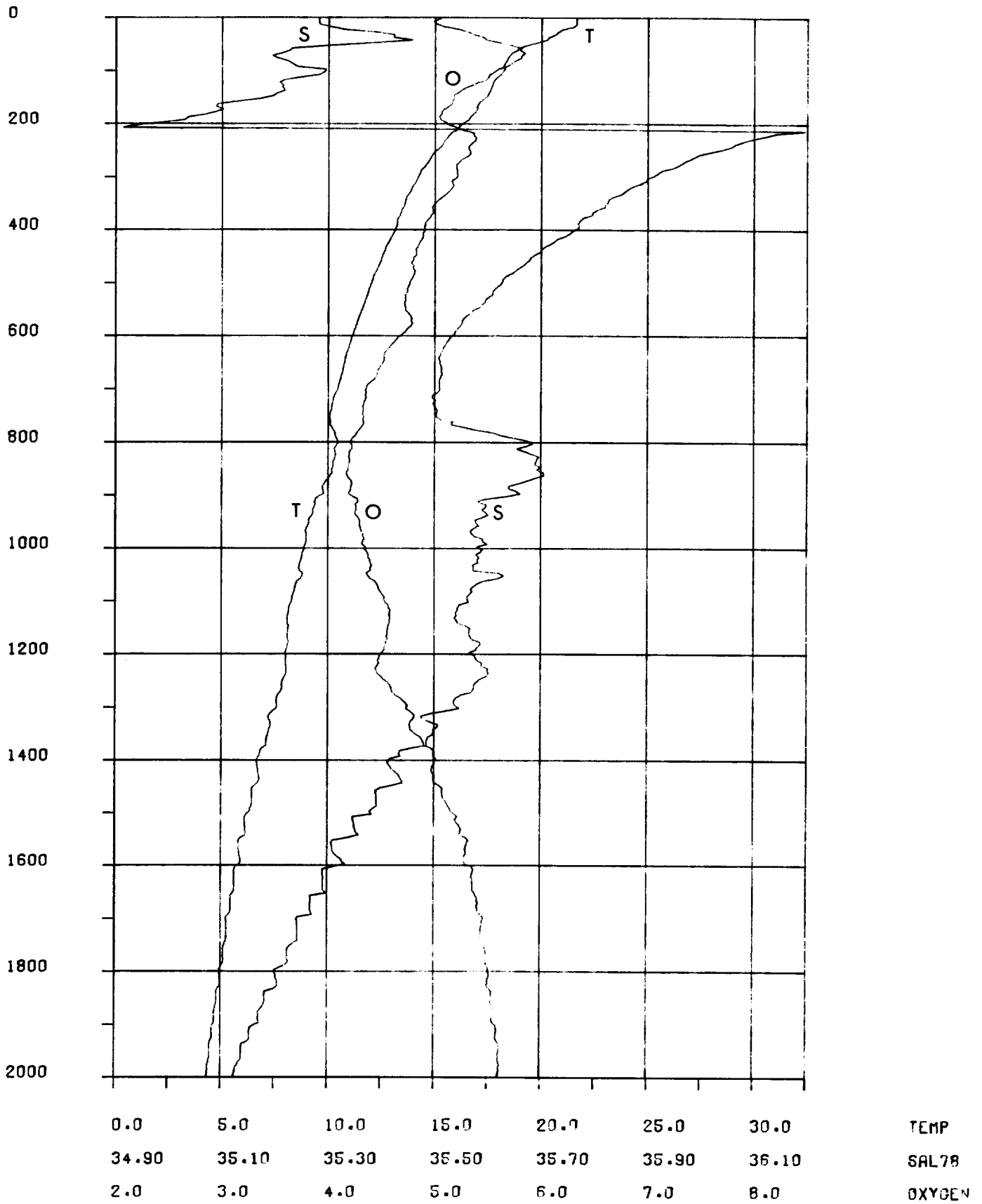


Figure 12

PRES

35

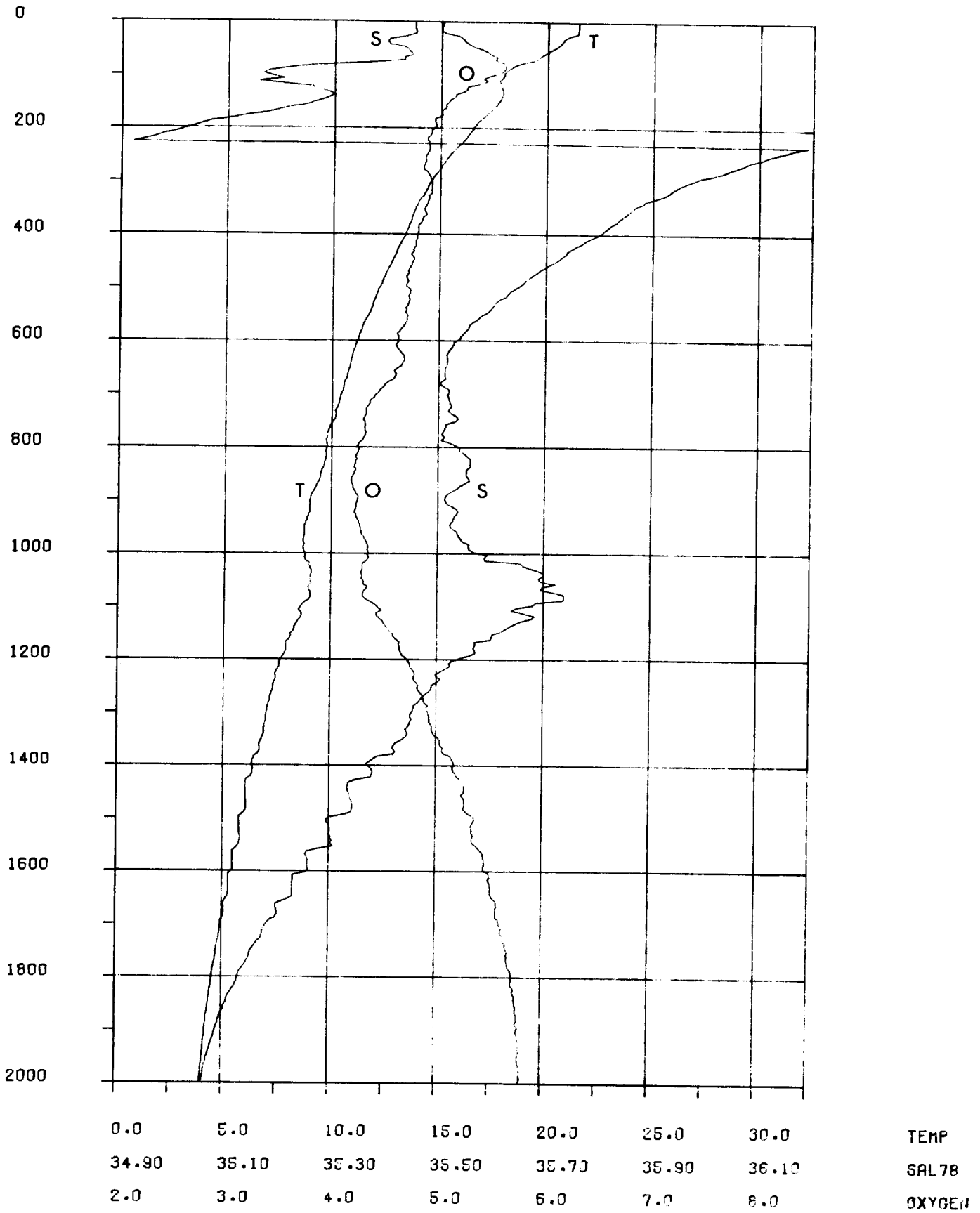


Figure 13

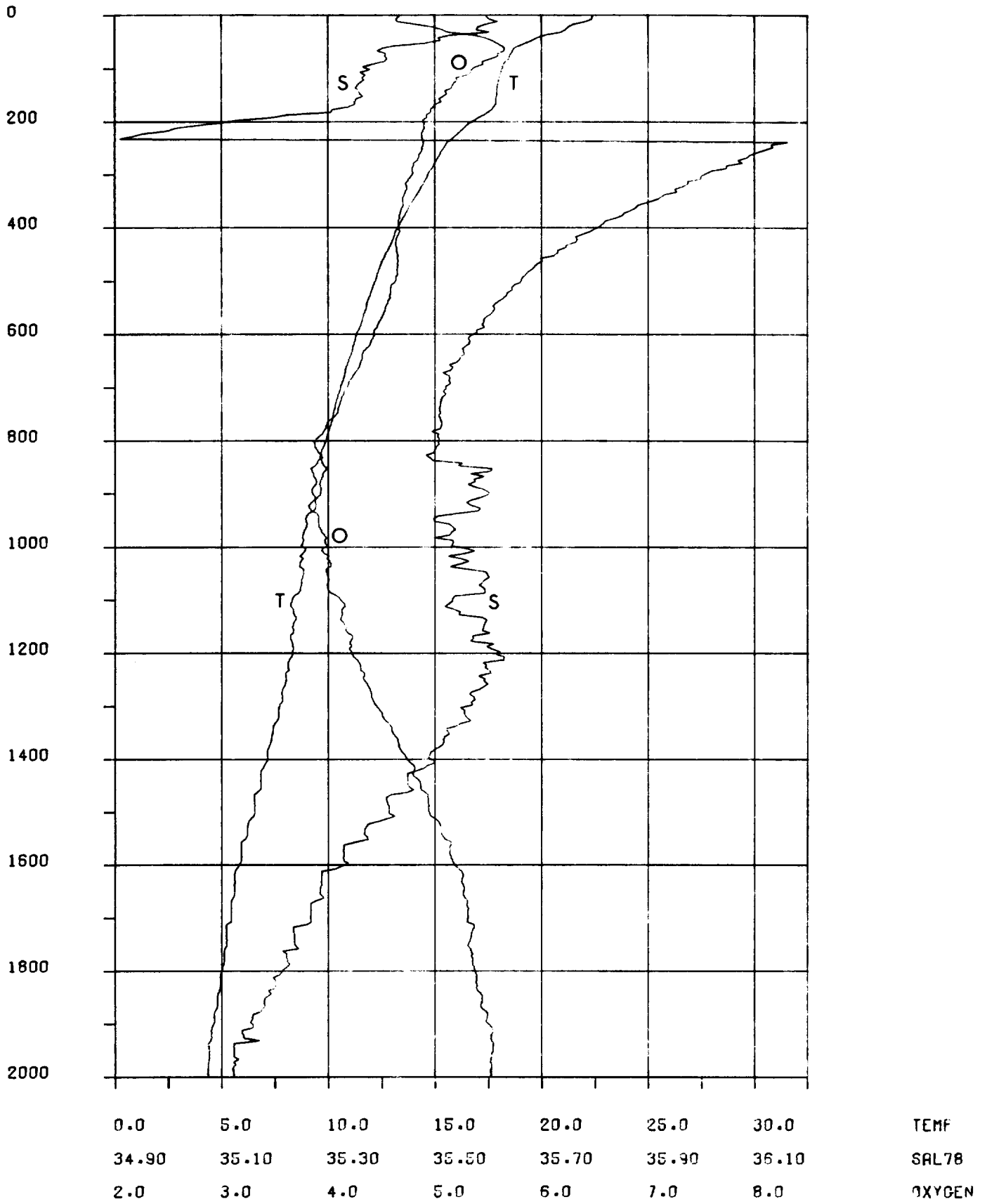


Figure 14

PRES

37

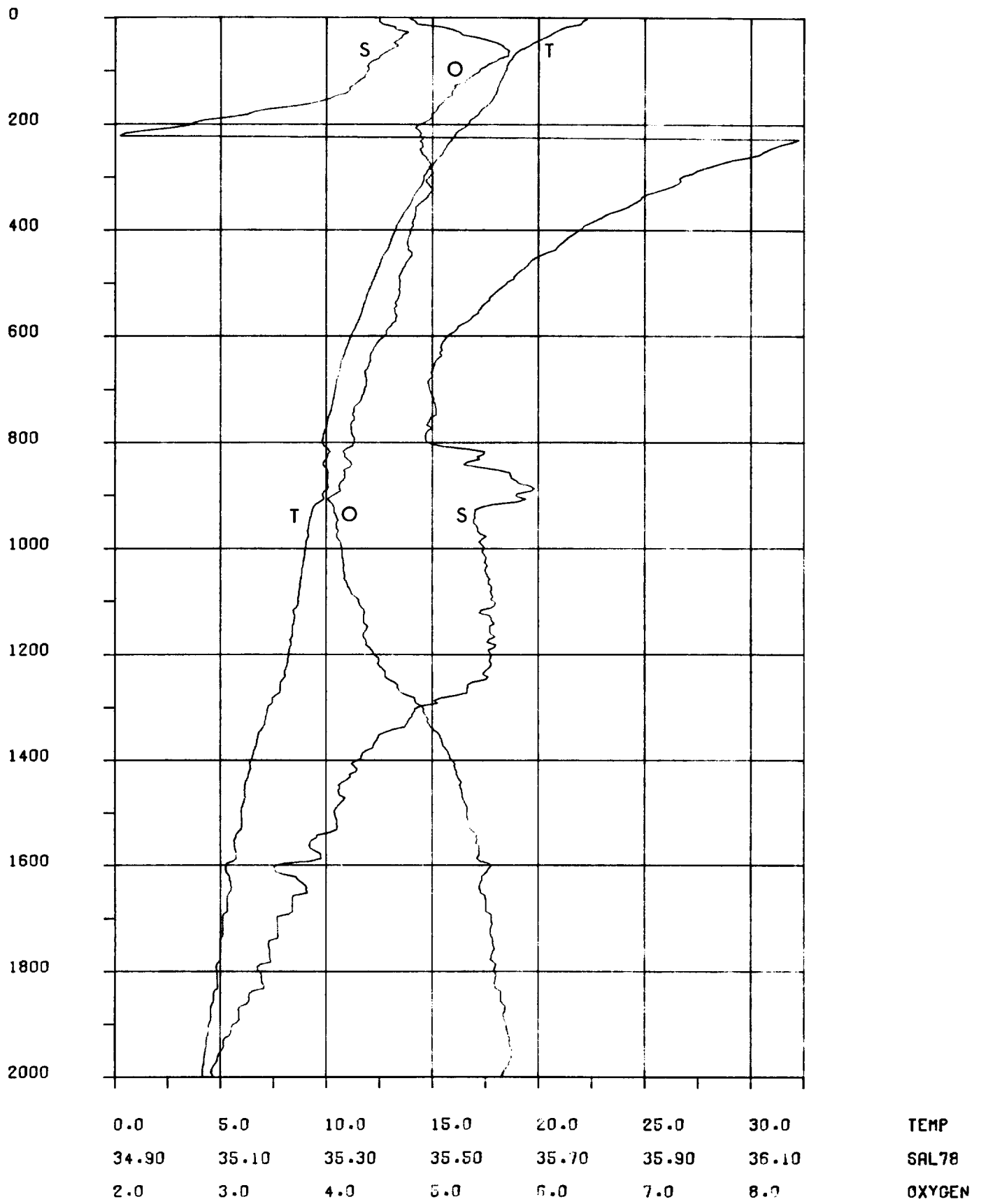


Figure 15

PRES

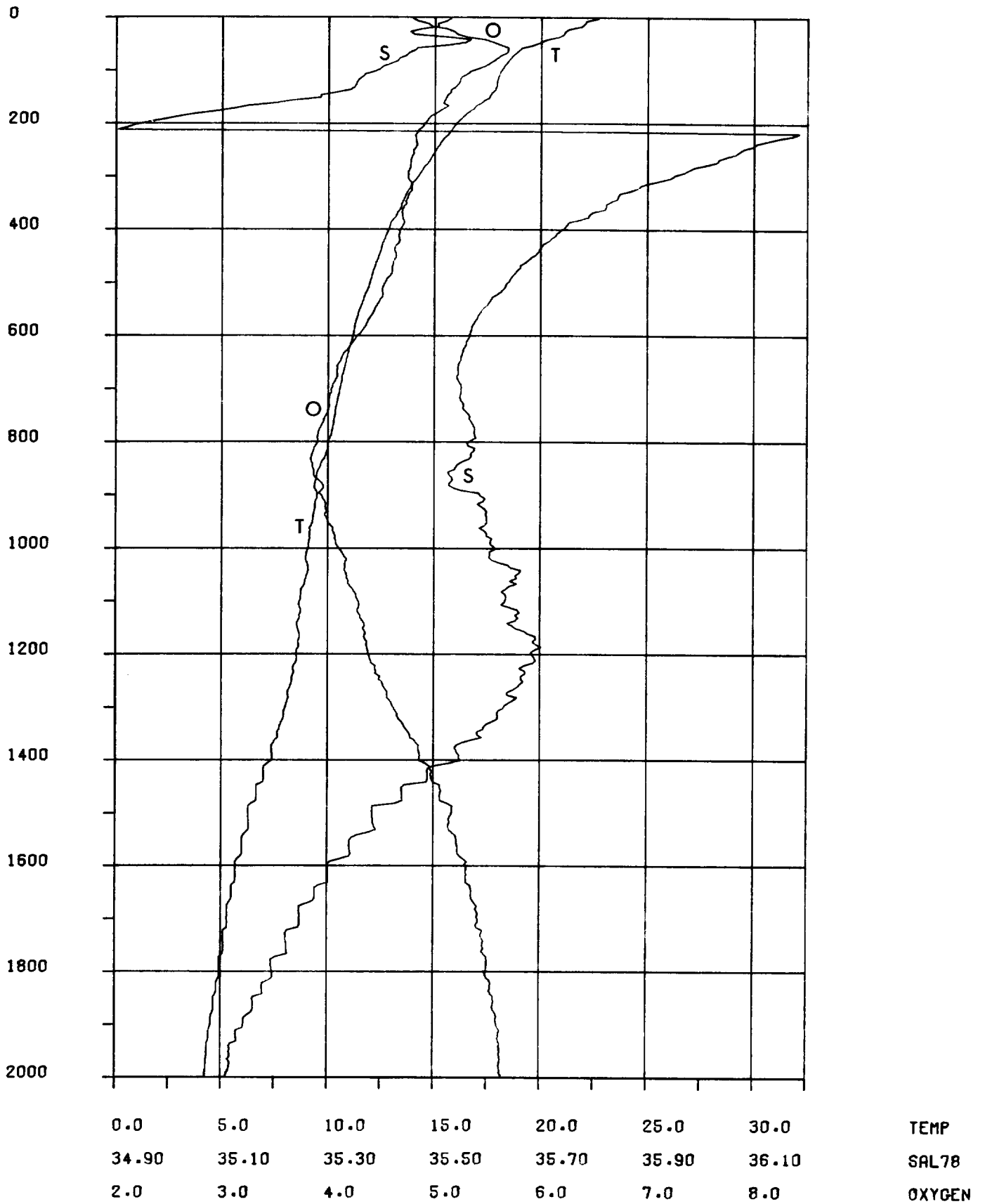


Figure 16

PRES

39

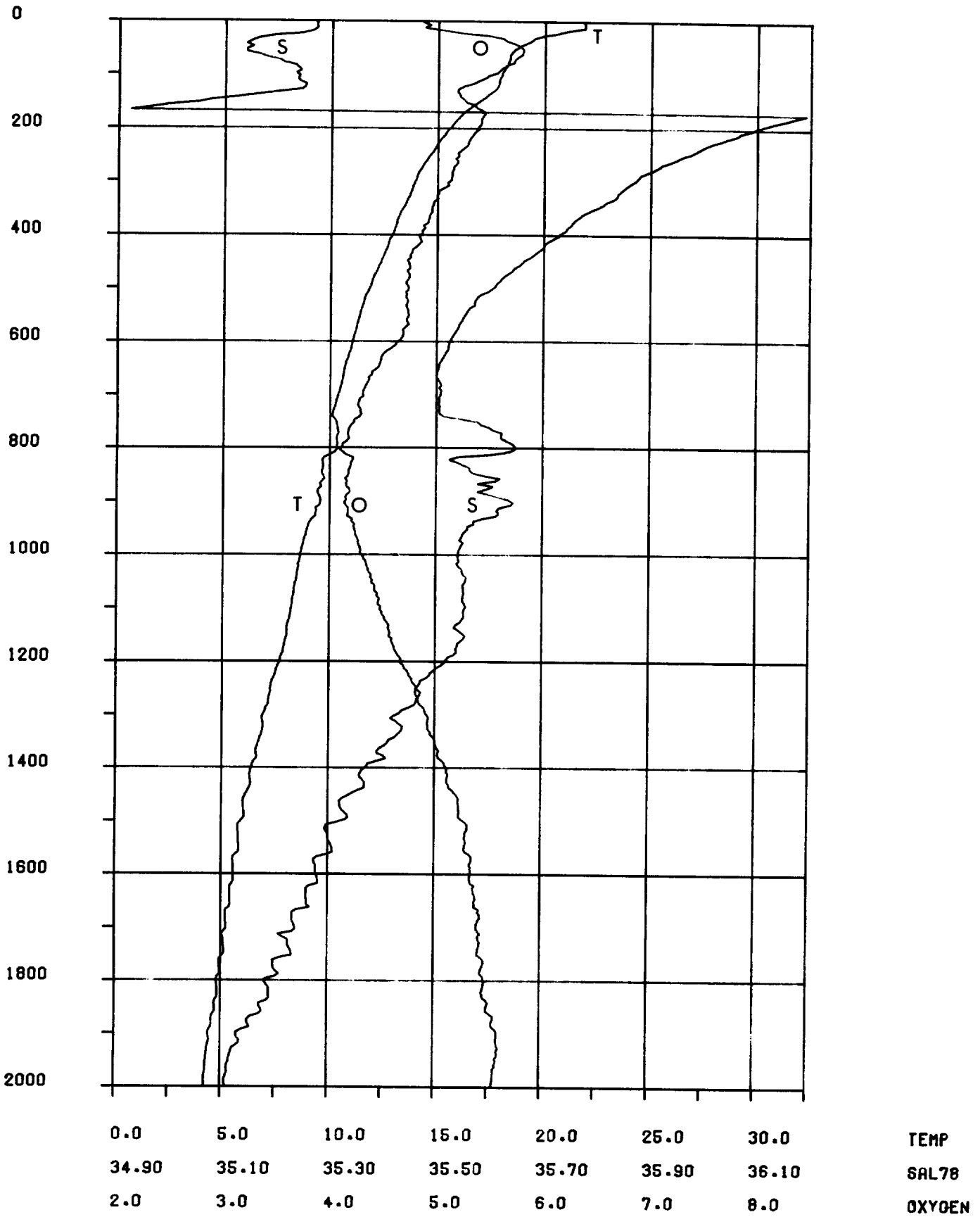
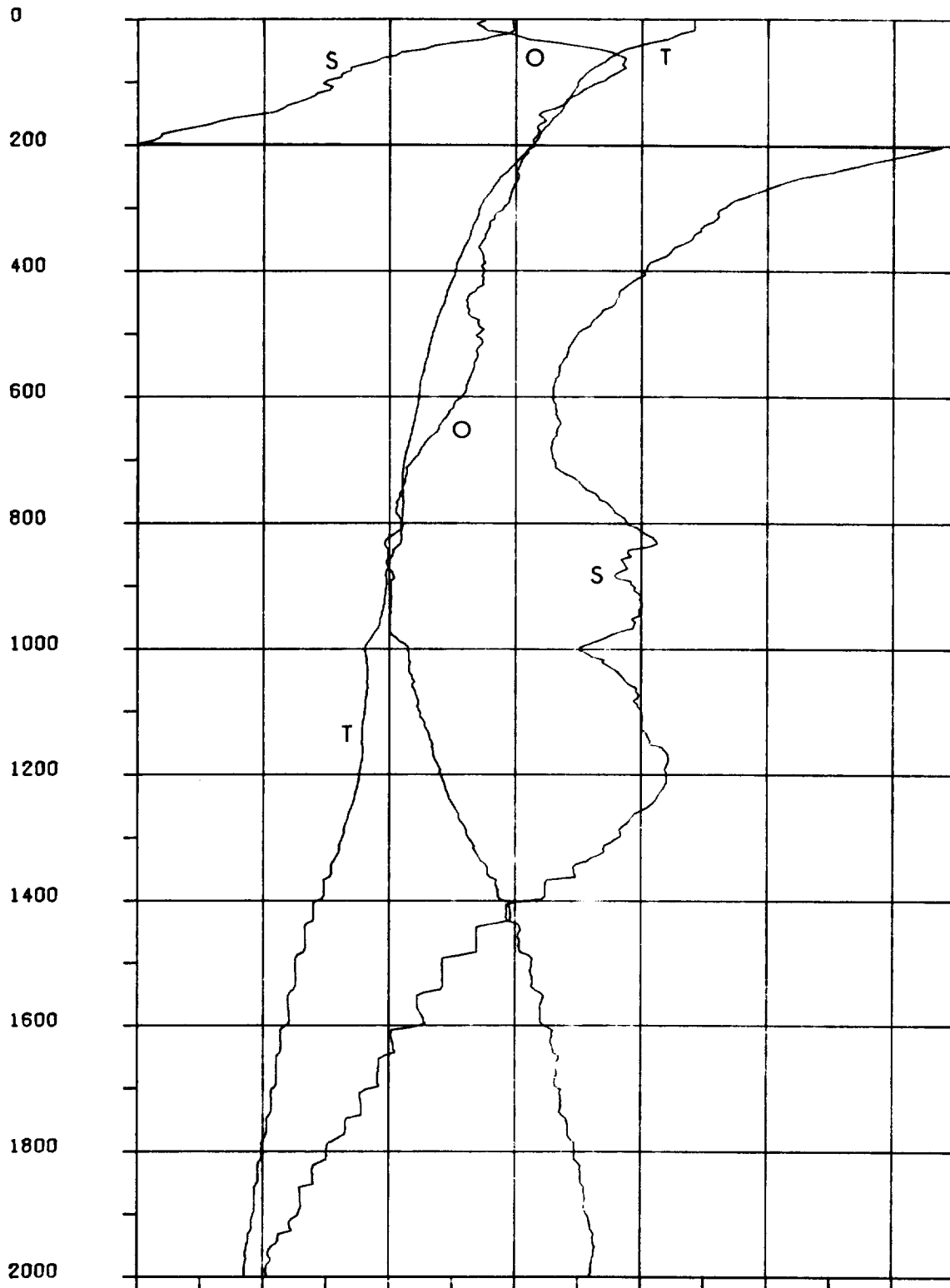


Figure 17

PRES

40



0.0	5.0	10.0	15.0	20.0	25.0	30.0	TEMP
34.90	35.10	35.30	35.50	35.70	35.90	36.10	SAL78
2.0	3.0	4.0	5.0	6.0	7.0	8.0	OXYGEN

Figure 18

PRES

41

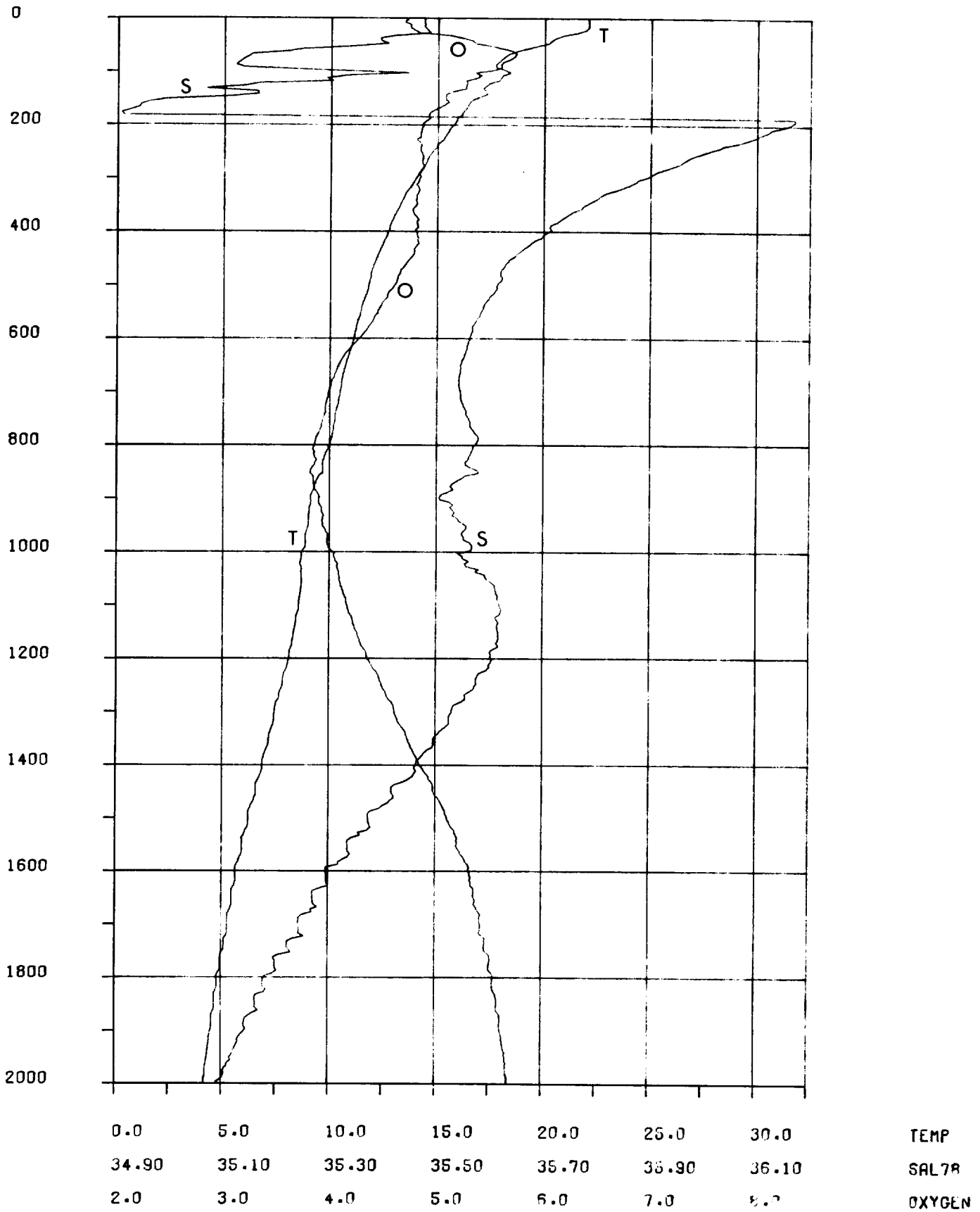


Figure 19

PRES

42

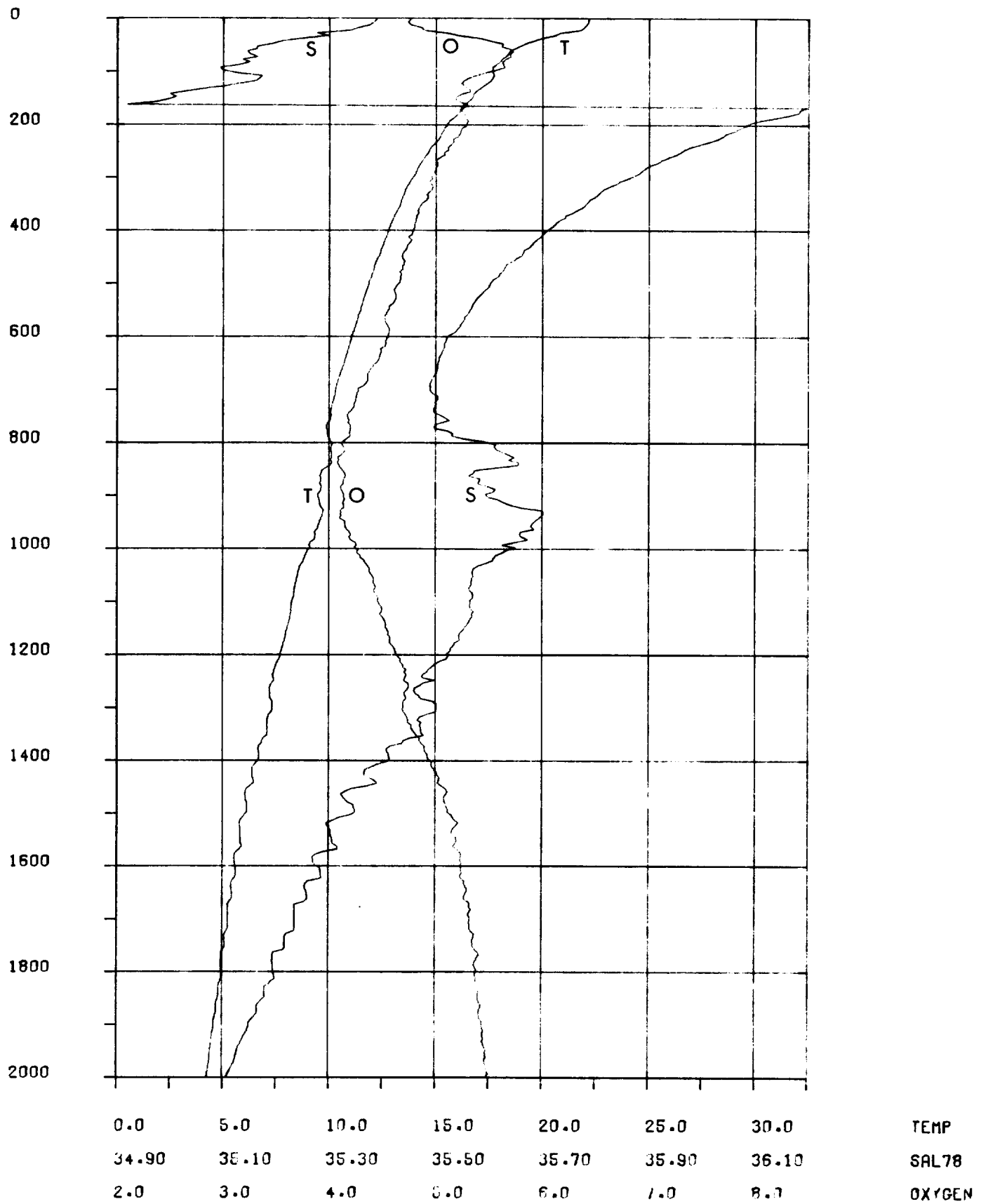


Figure 20

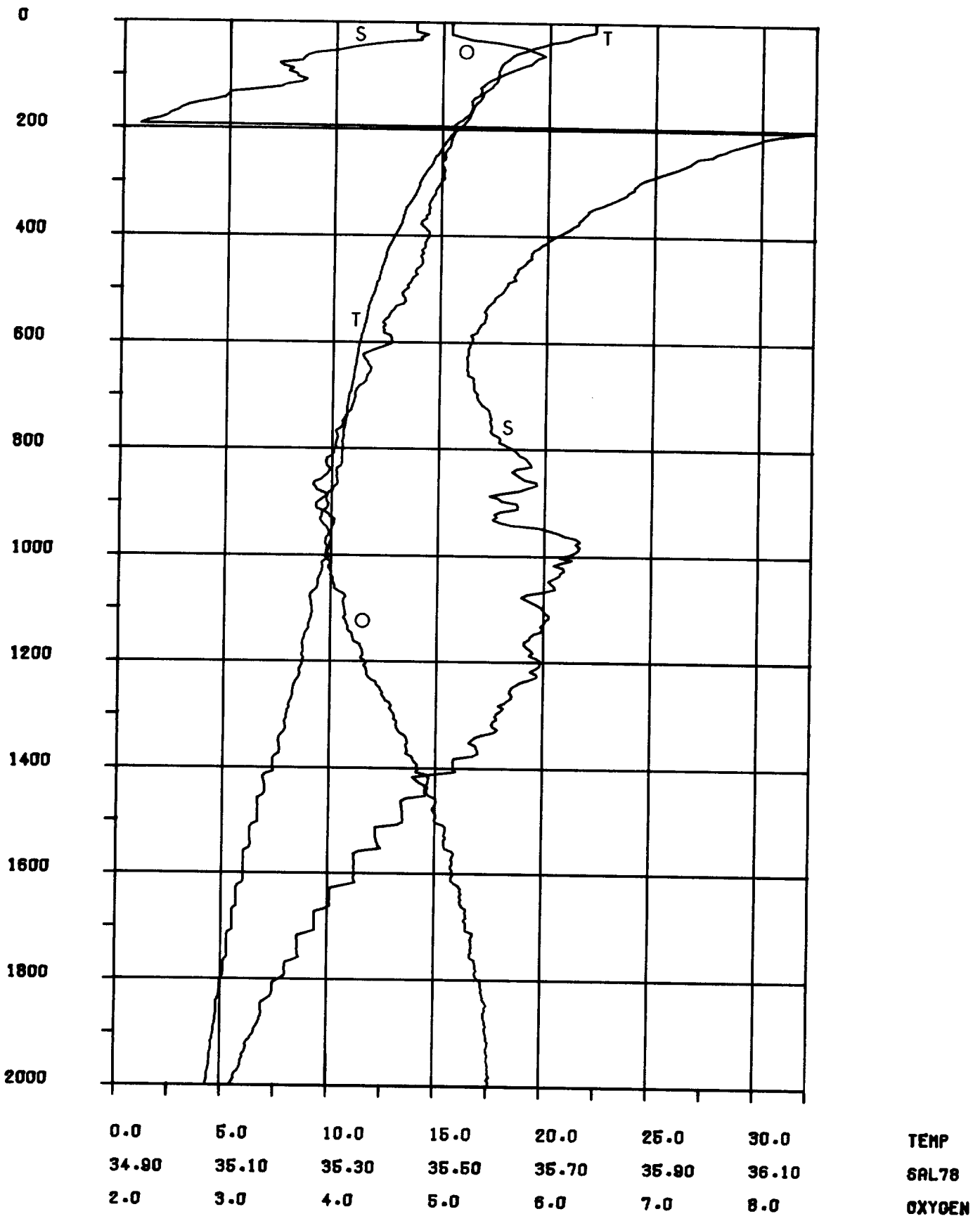


Figure 21

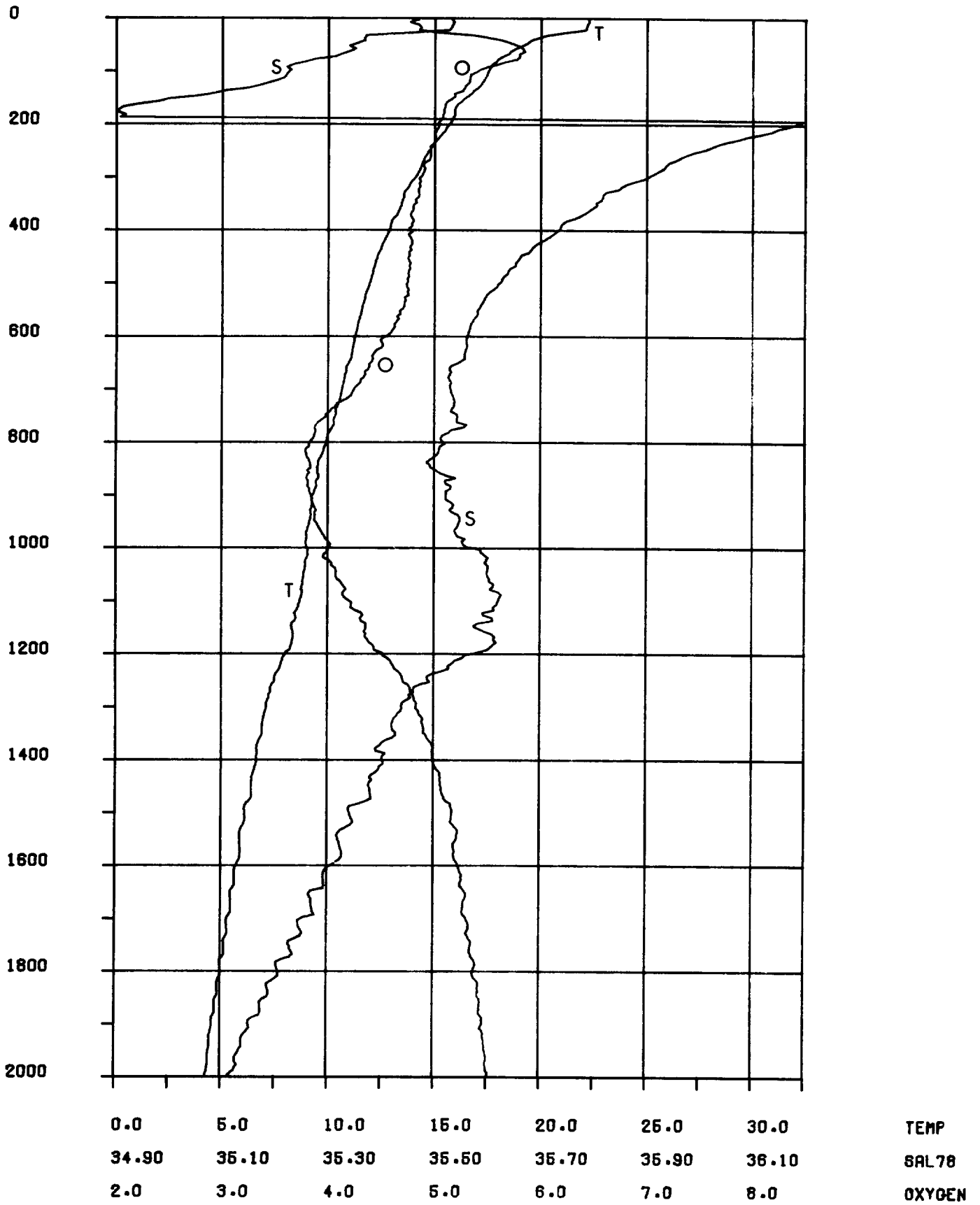


Figure 22

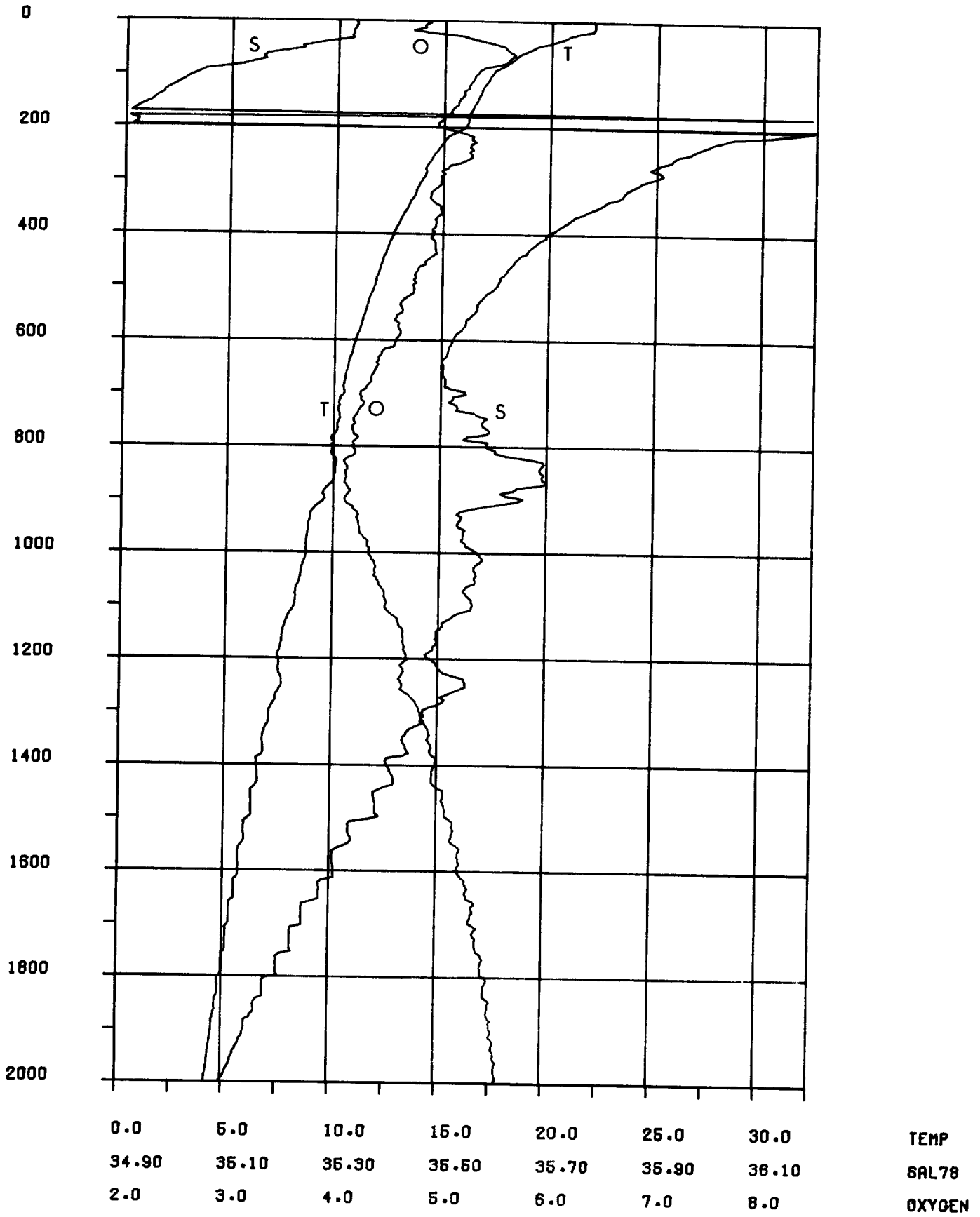


Figure 23

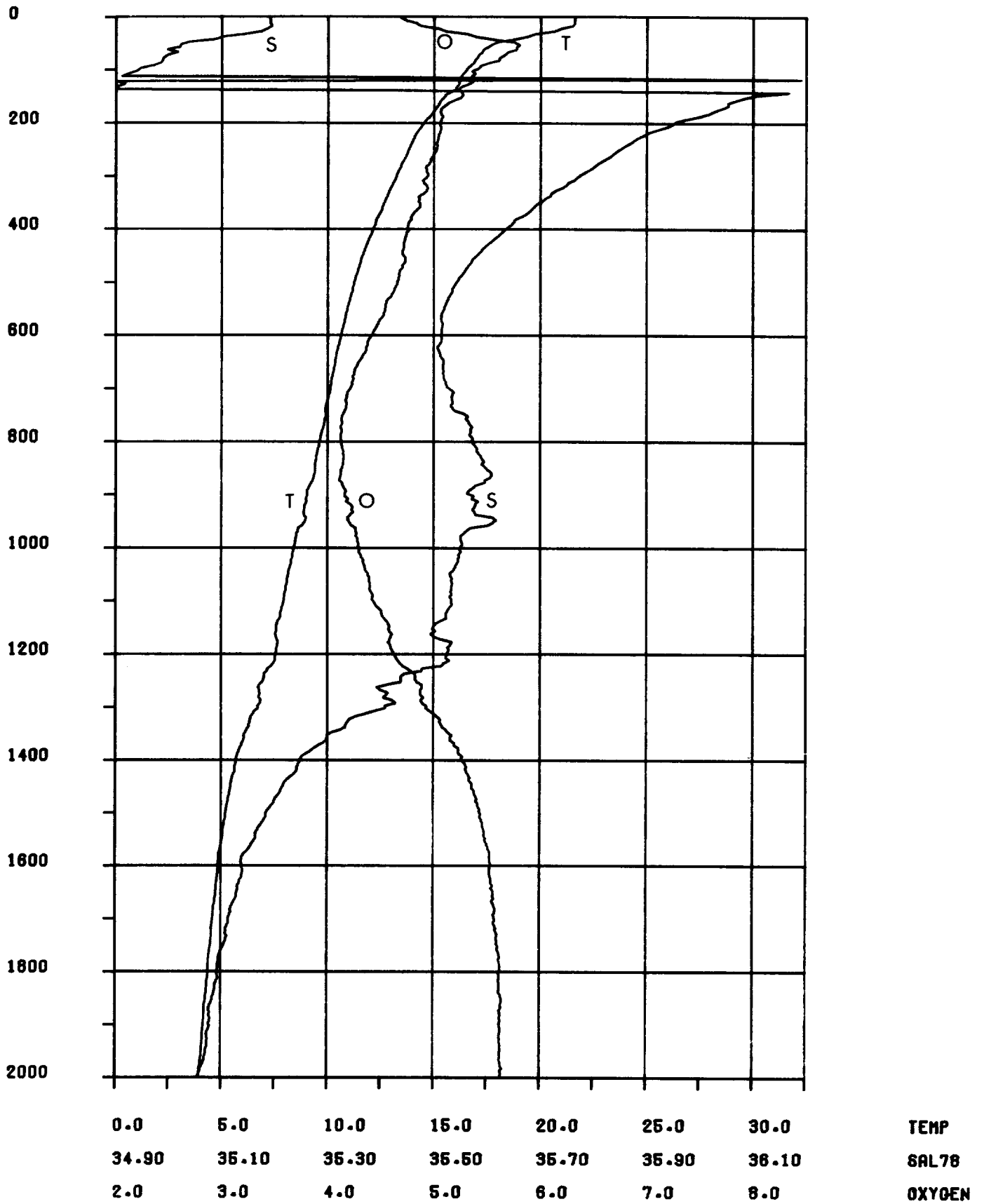


Figure 24

PRES

47

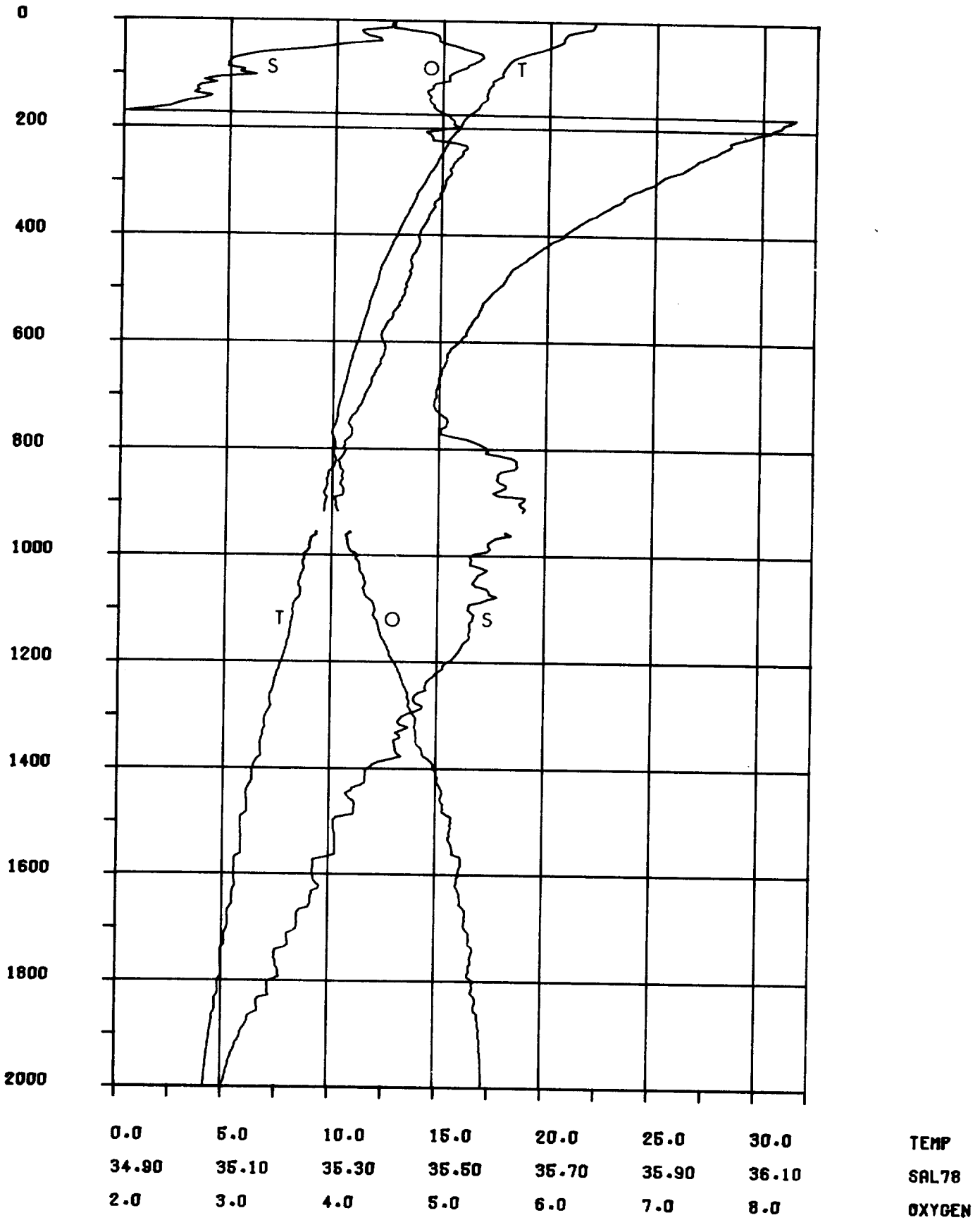


Figure 25

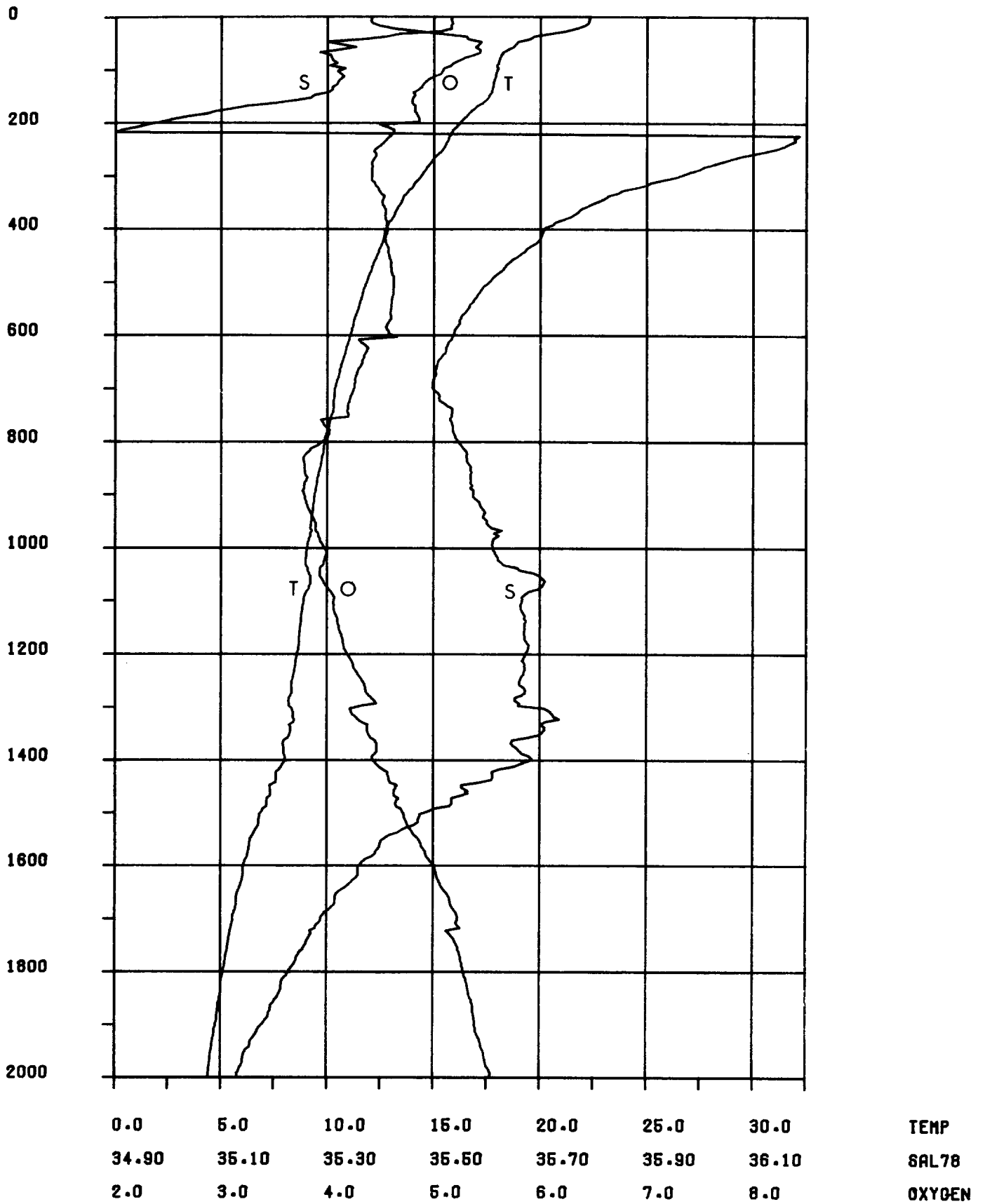


Figure 26

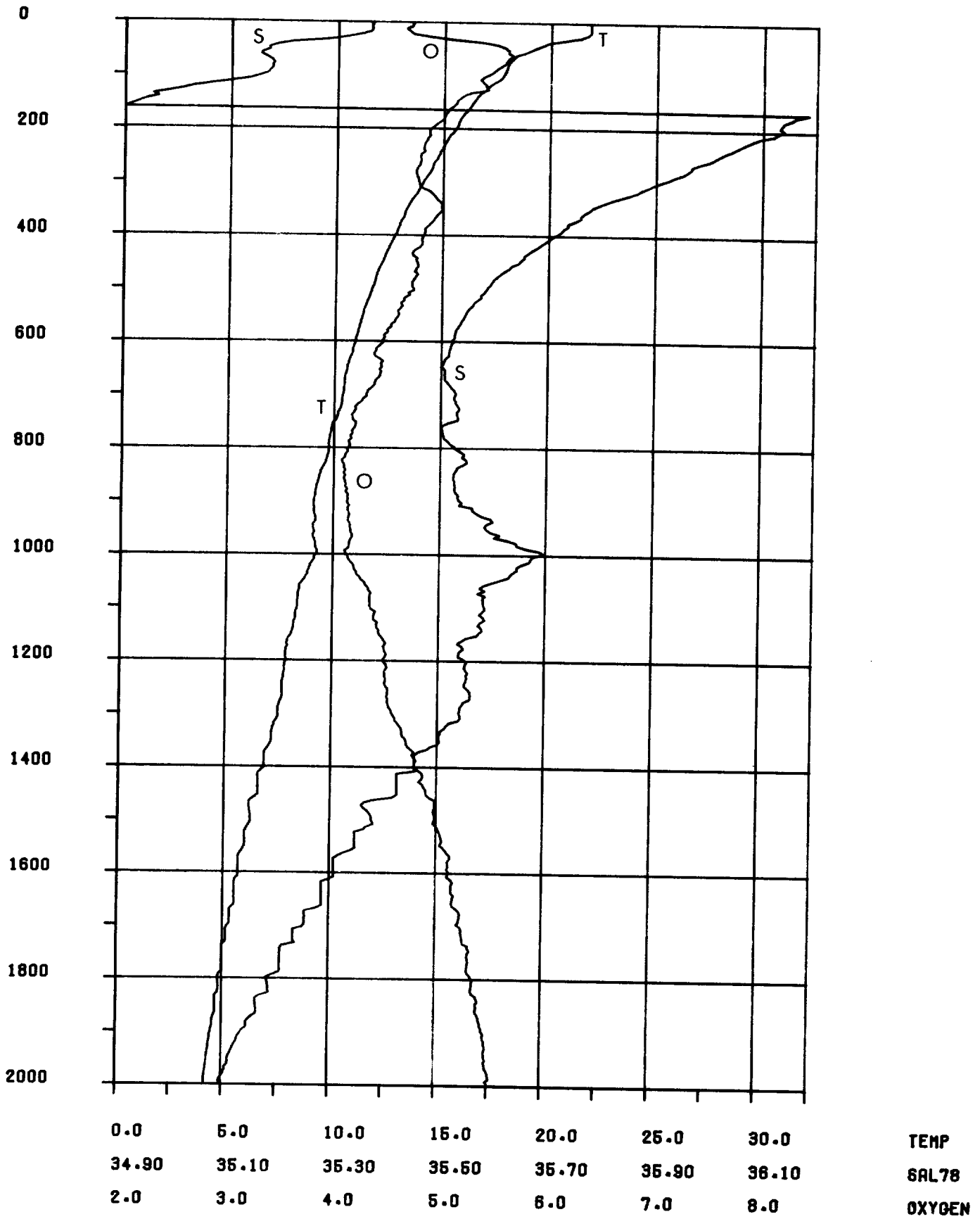


Figure 27

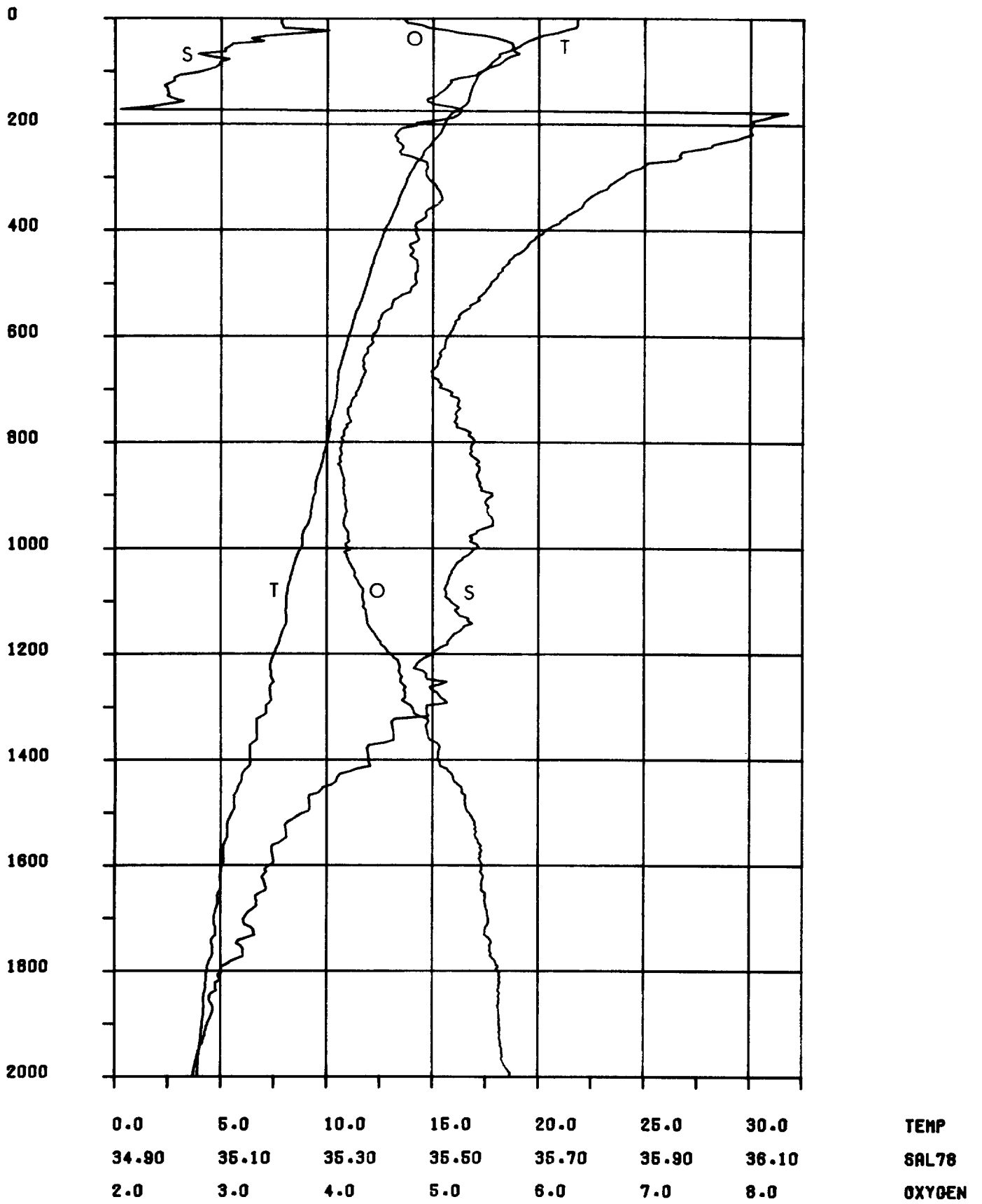


Figure 28

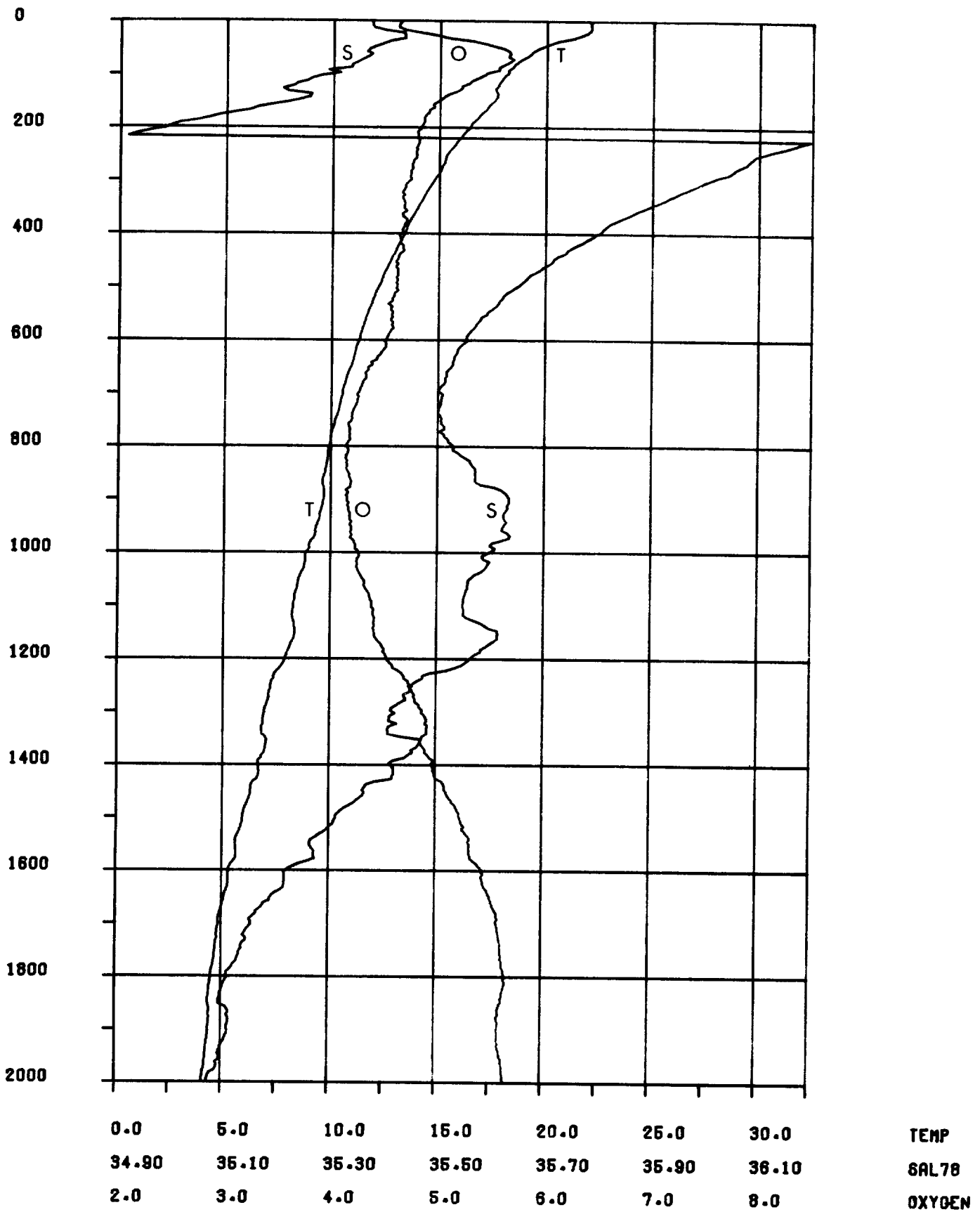


Figure 29

PRES

52

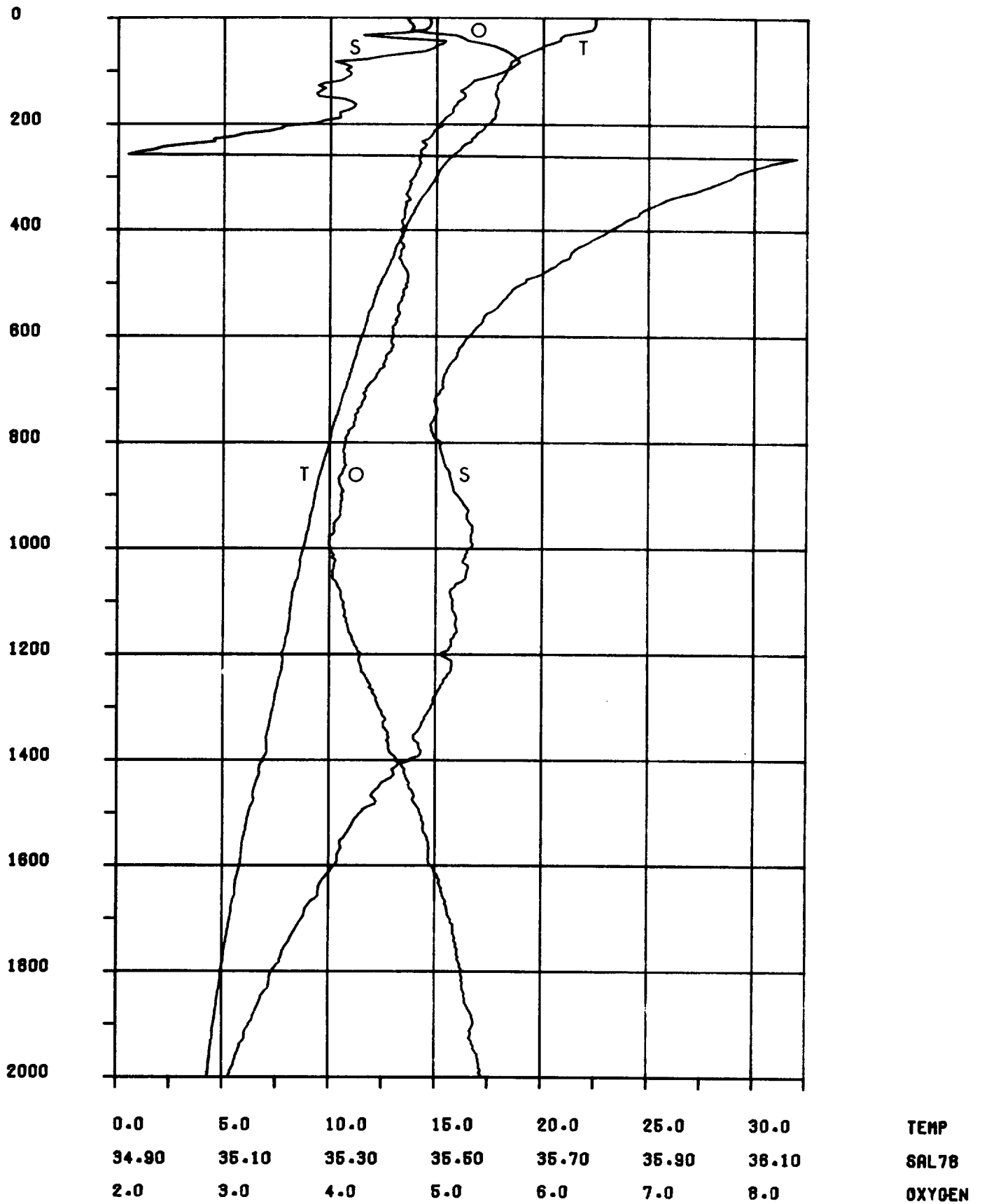


Figure 30

PRES

53

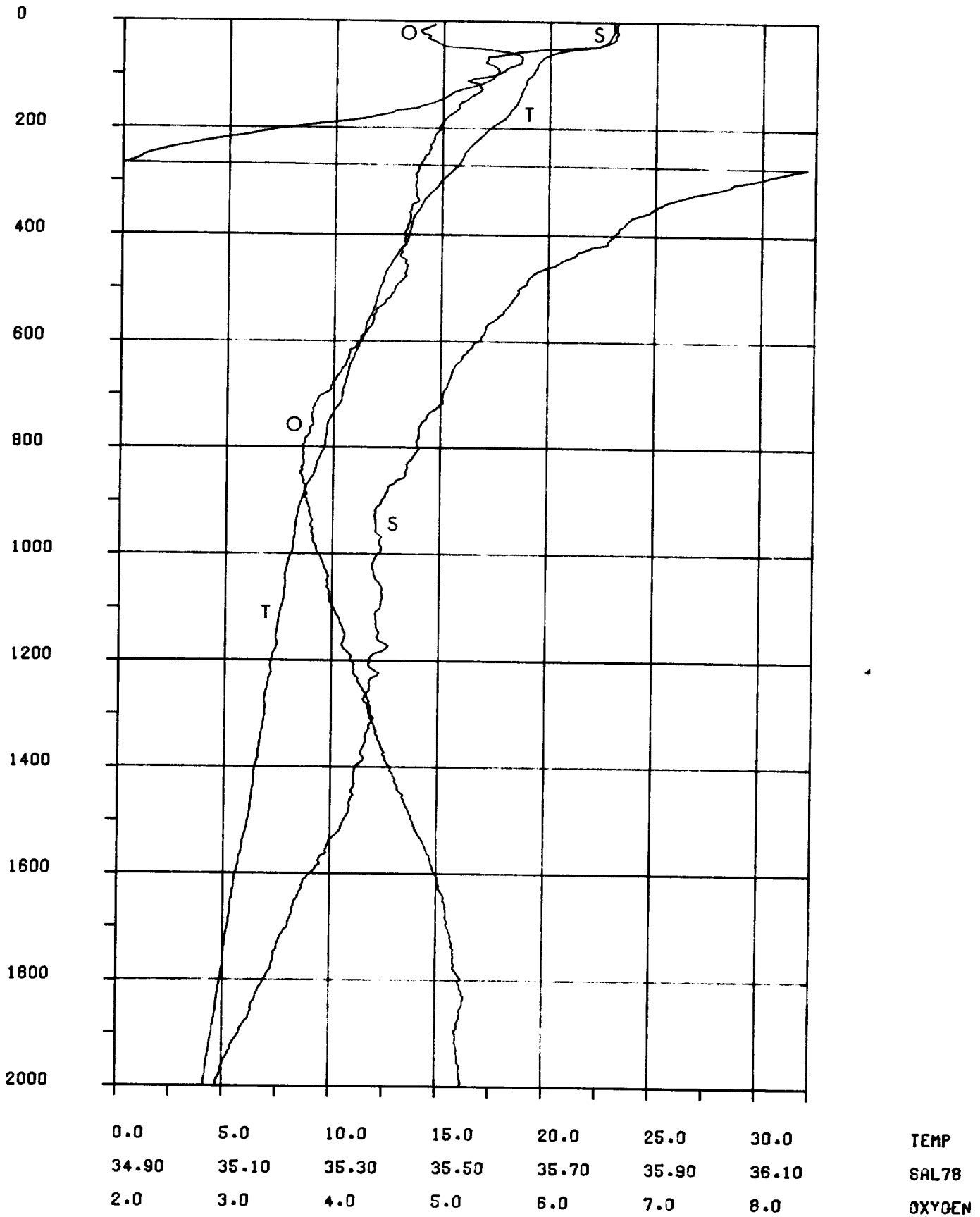


Figure 31

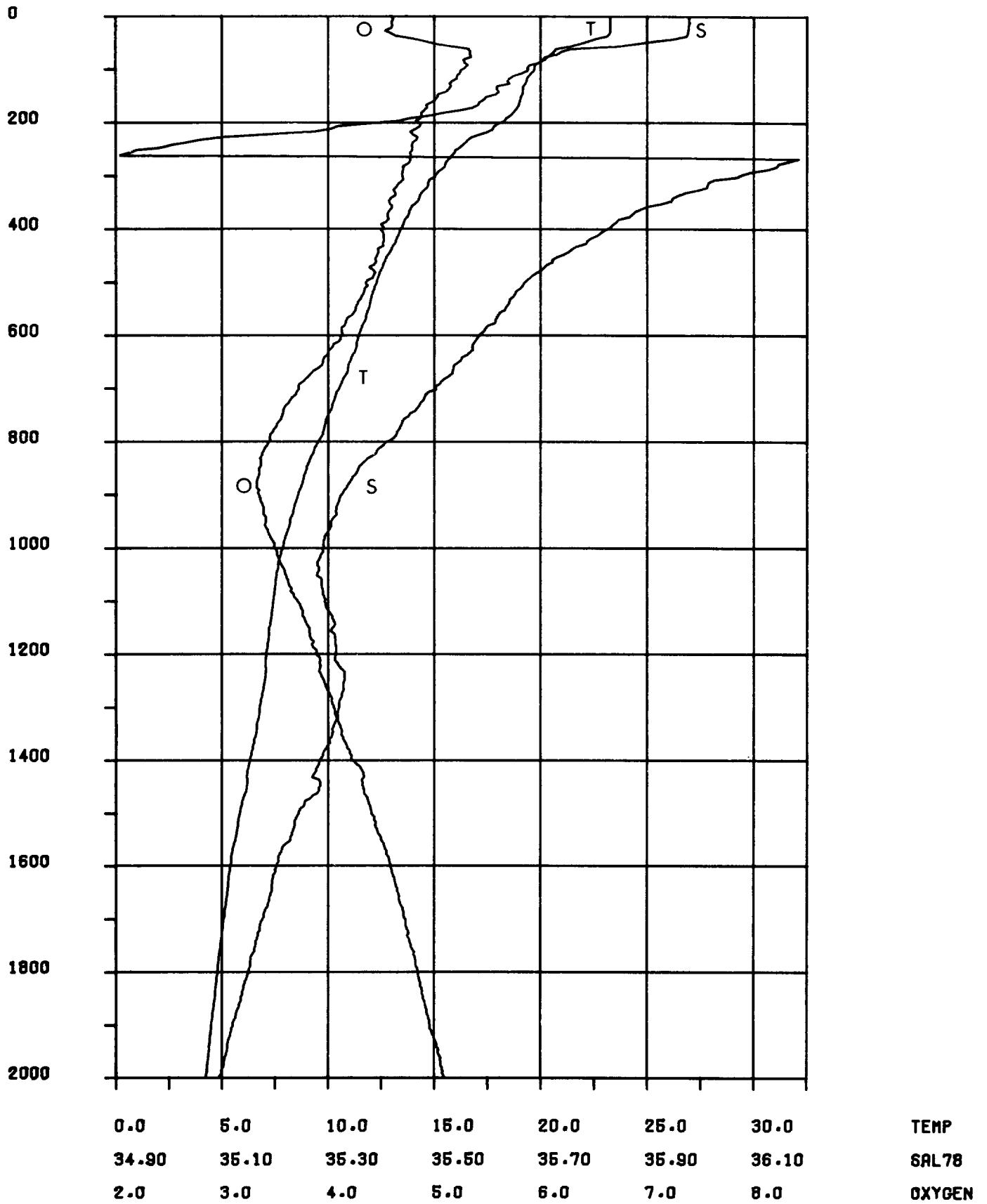


Figure 32

PRES

55

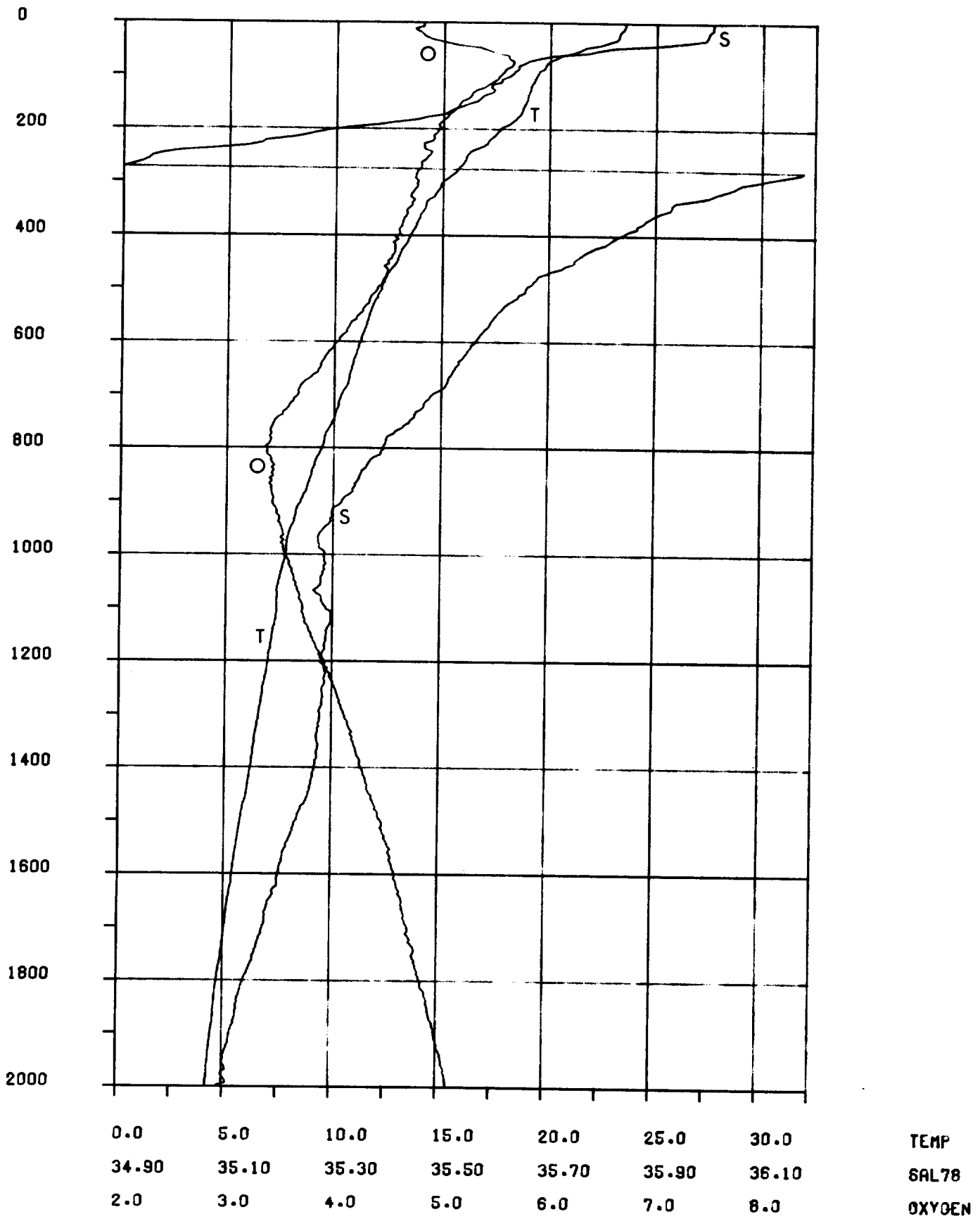


Figure 33

PRES

56

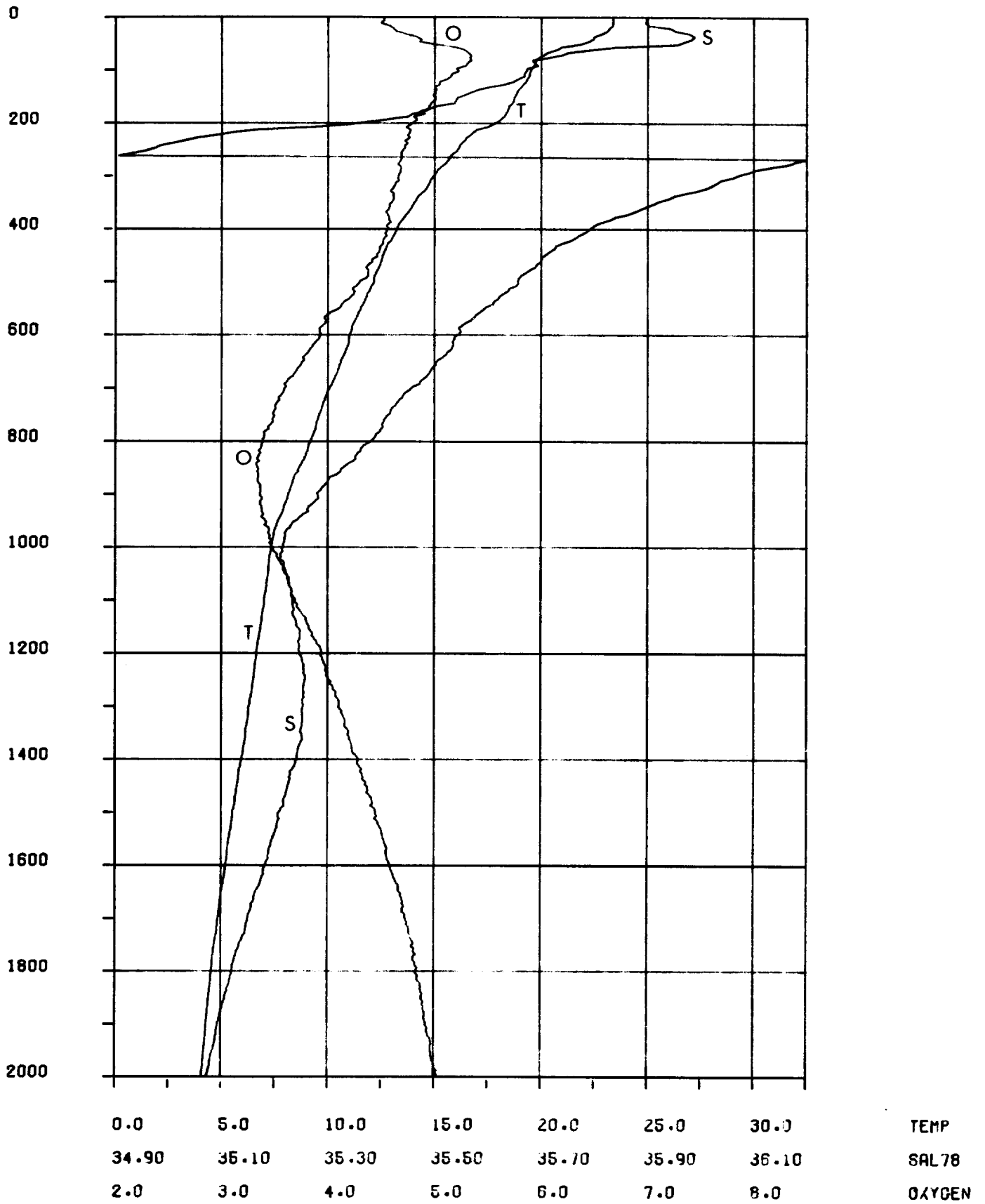


Figure 34

PRES

57

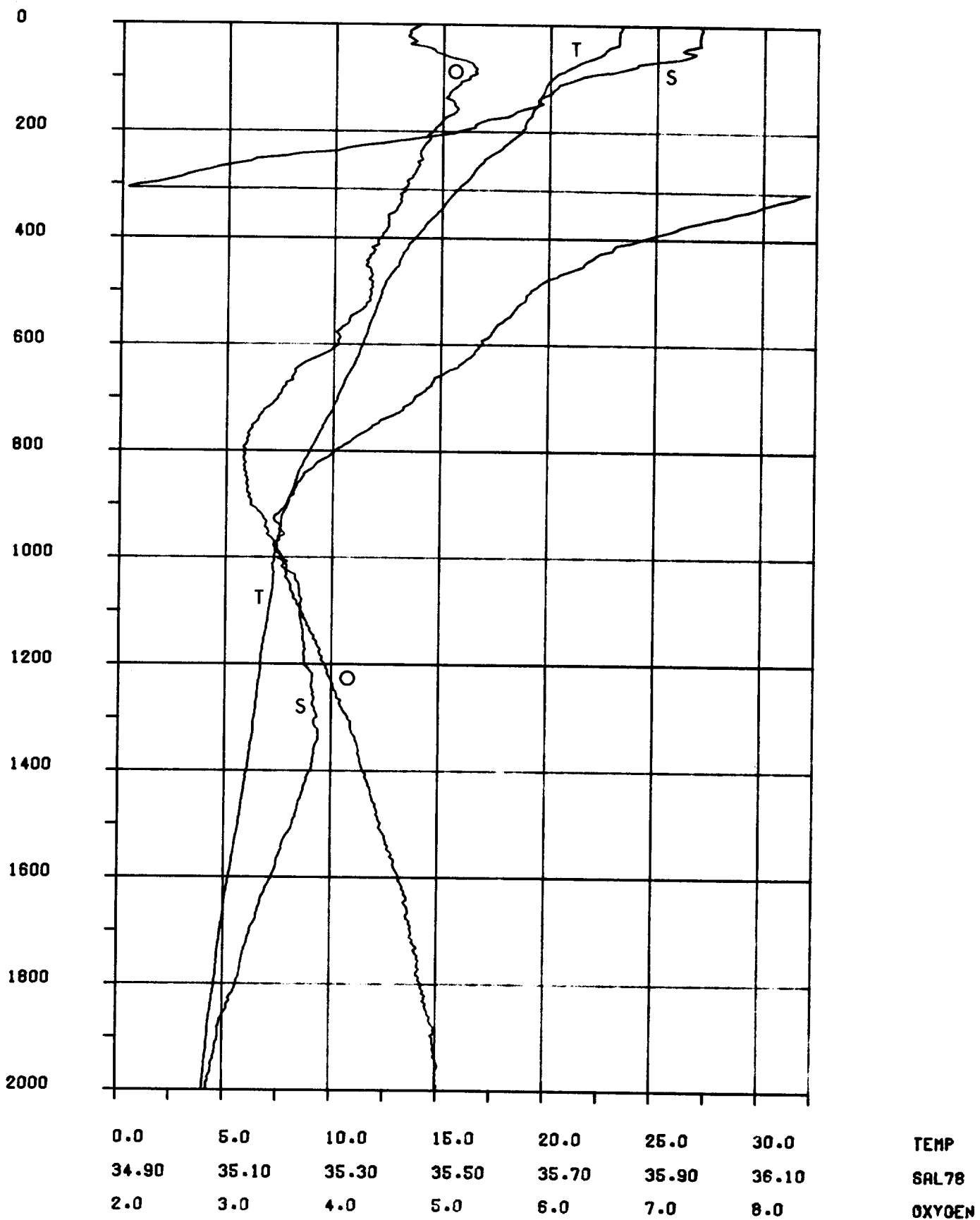


Figure 35

PRES

58

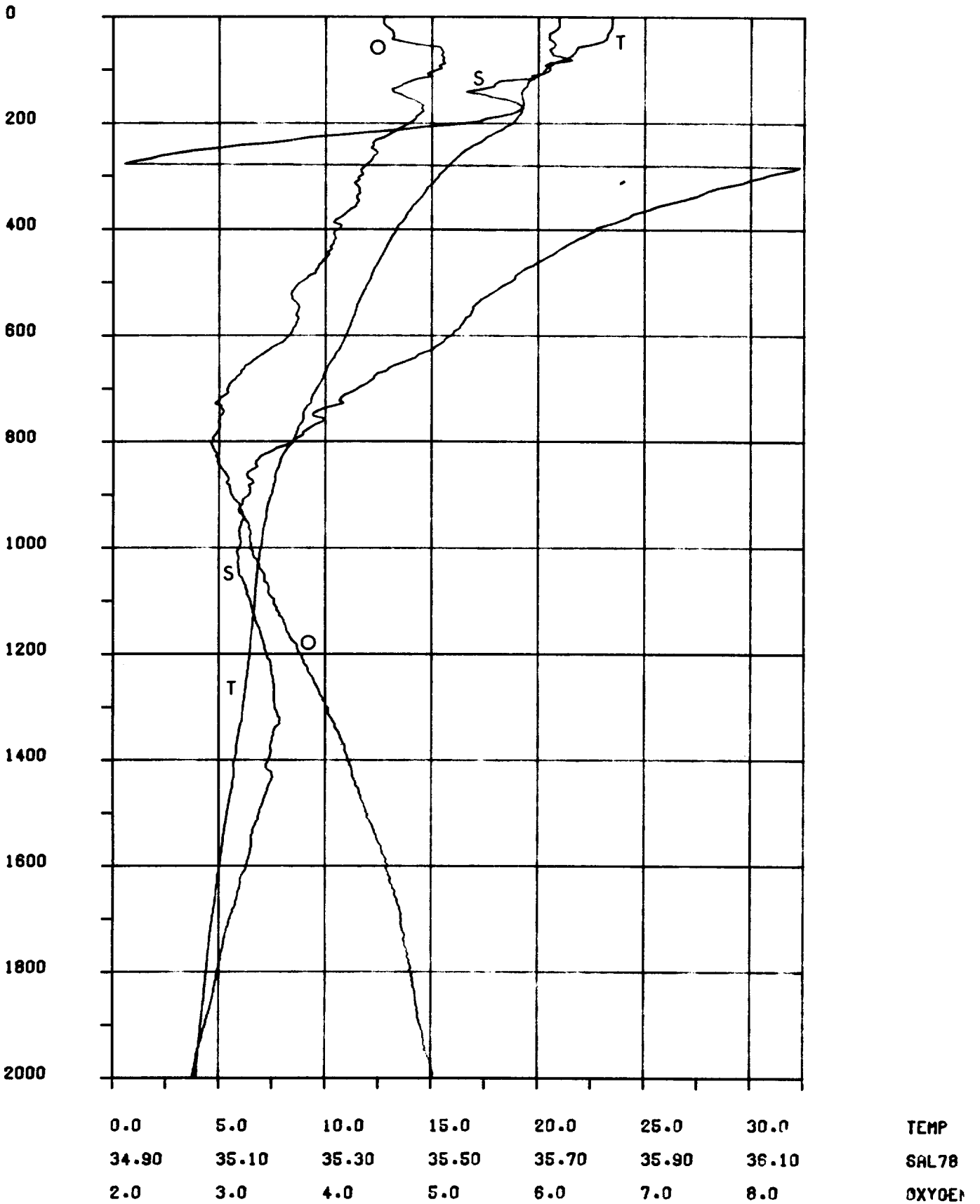


Figure 36

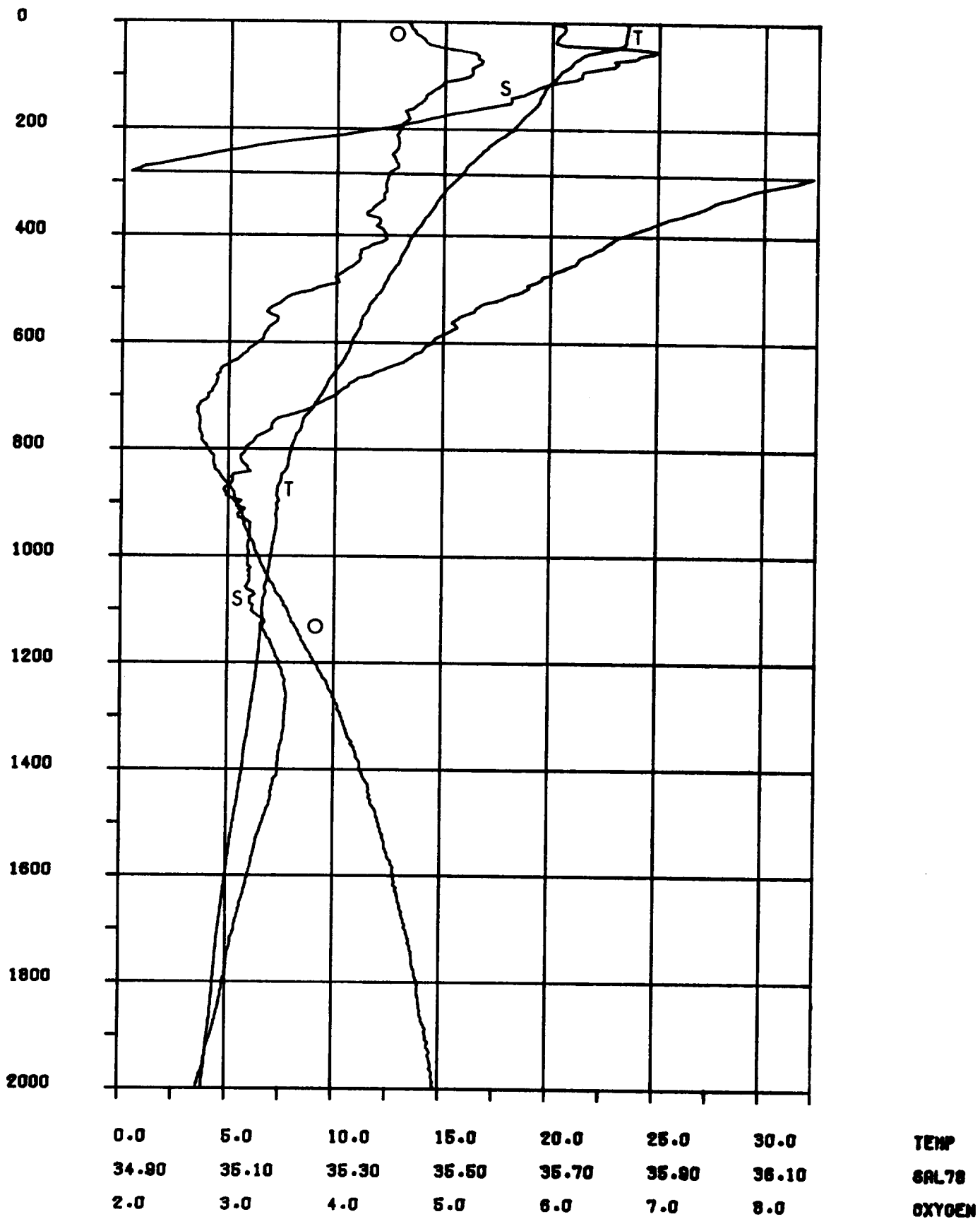


Figure 37

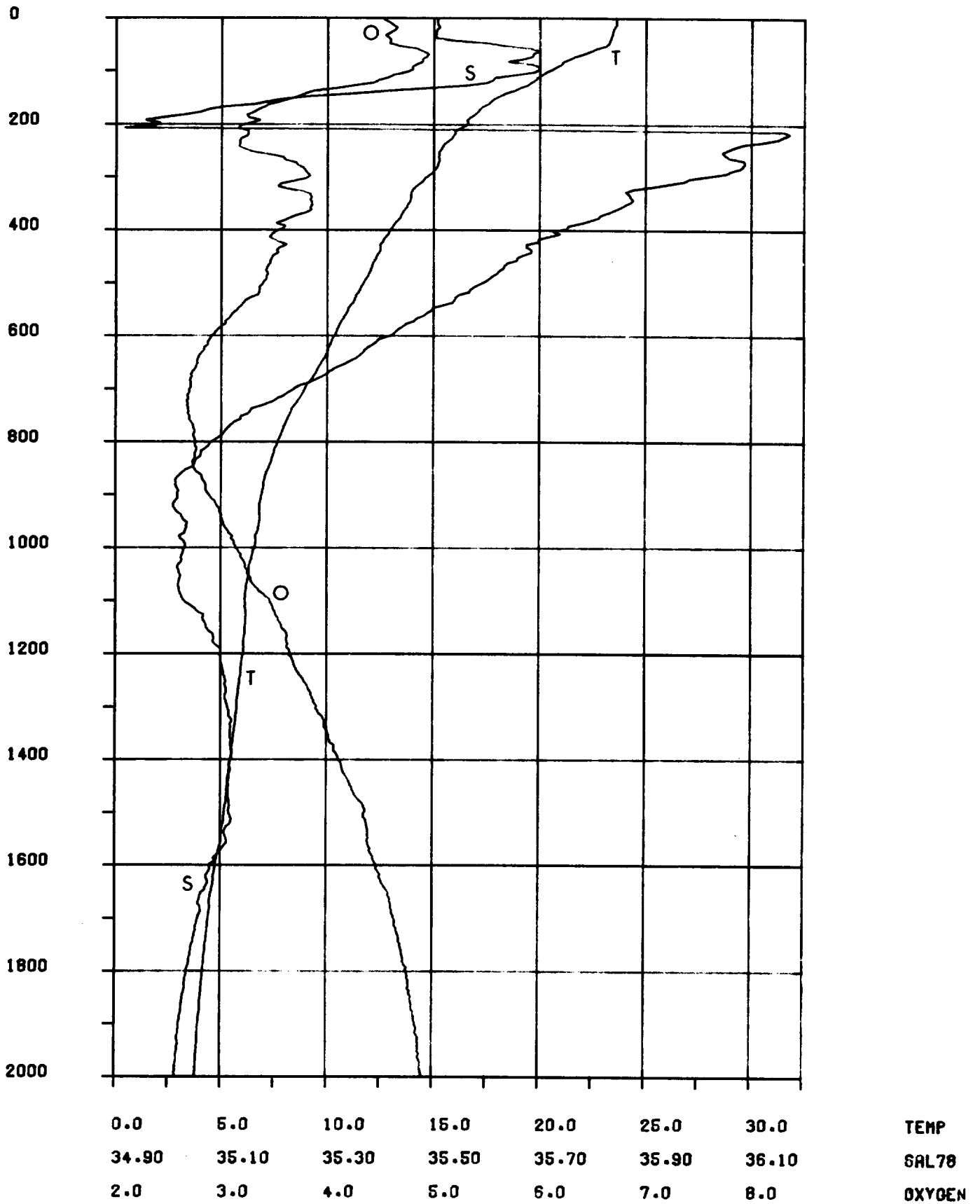


Figure 38

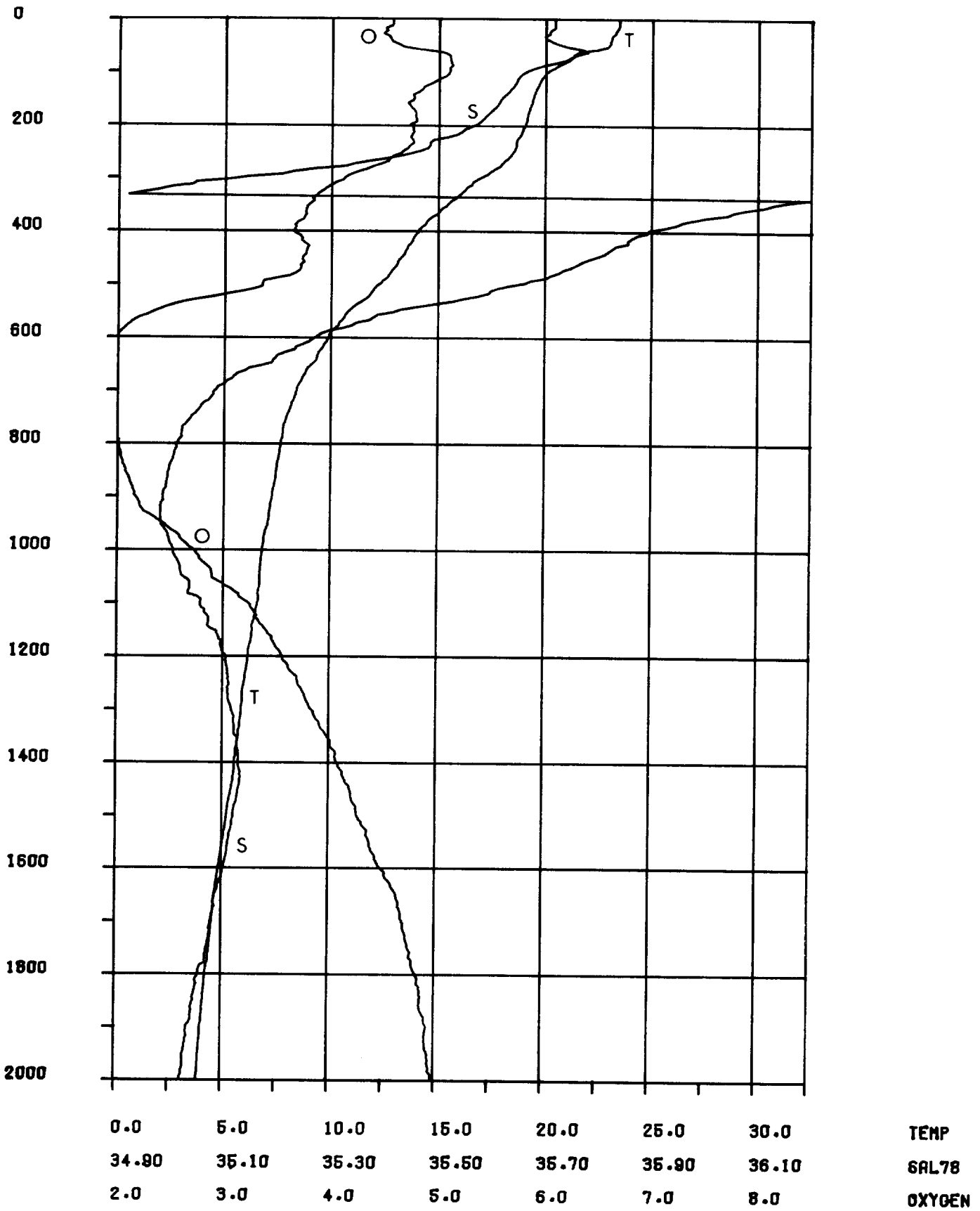


Figure 39

PRES

62

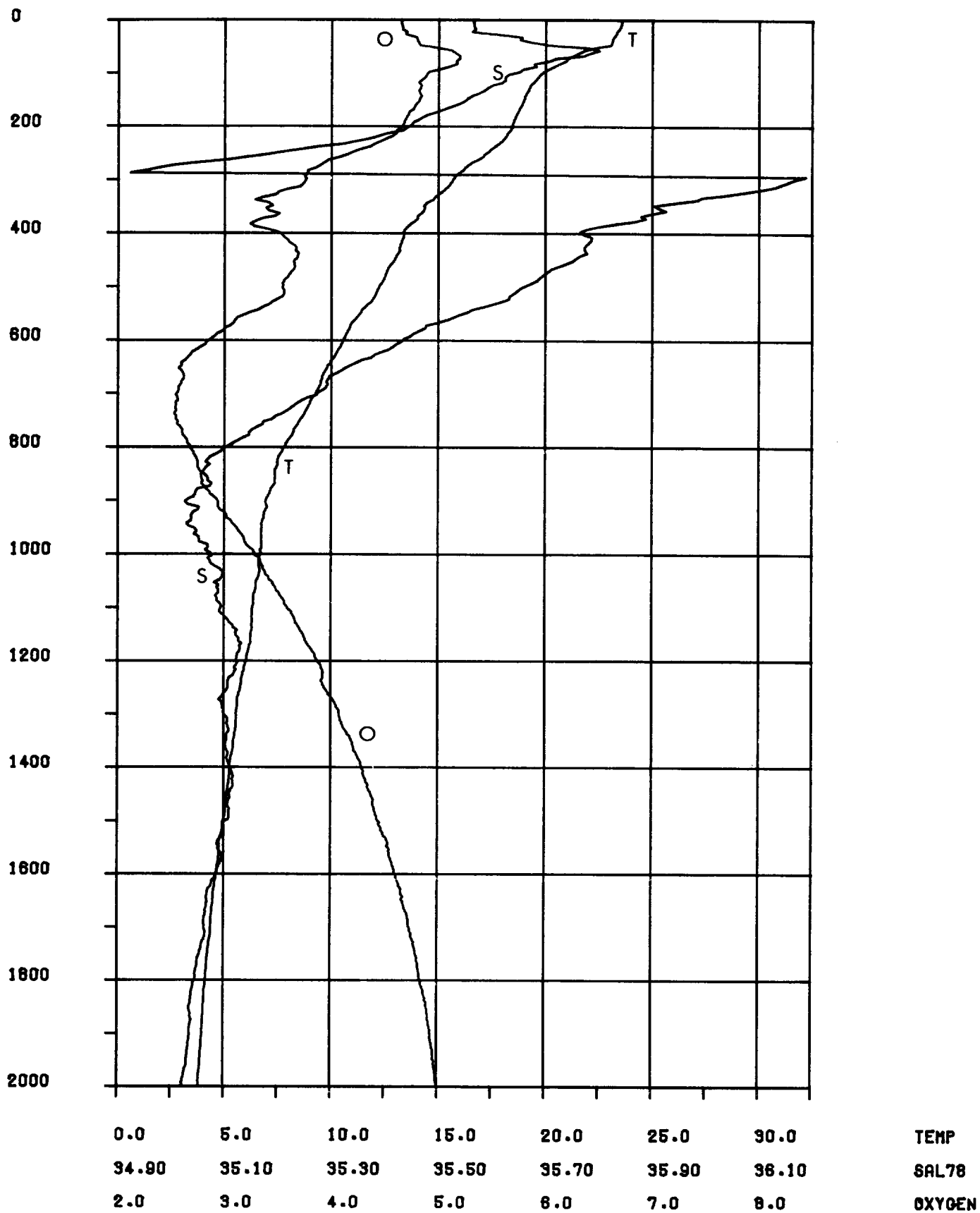


Figure 40

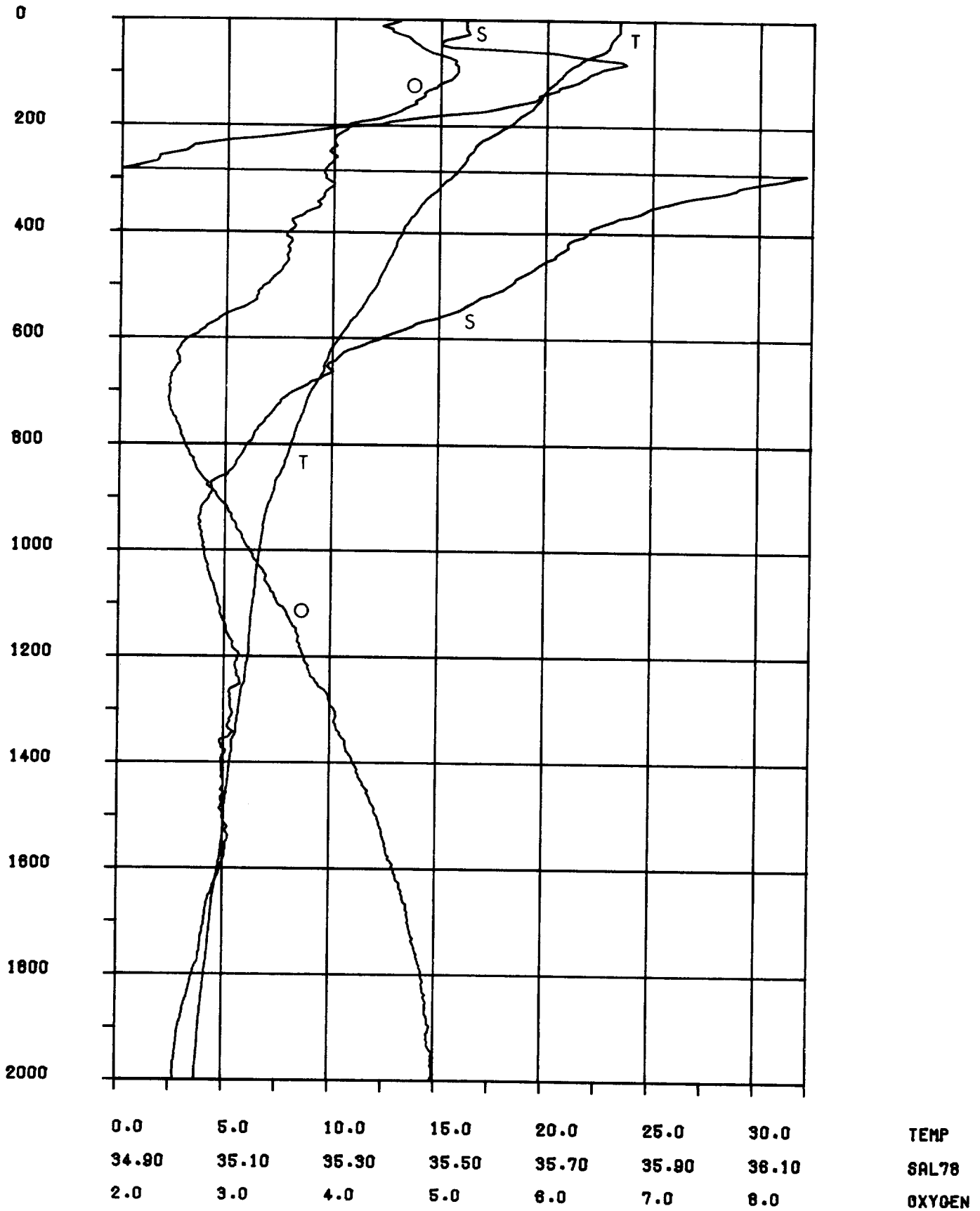


Figure 41

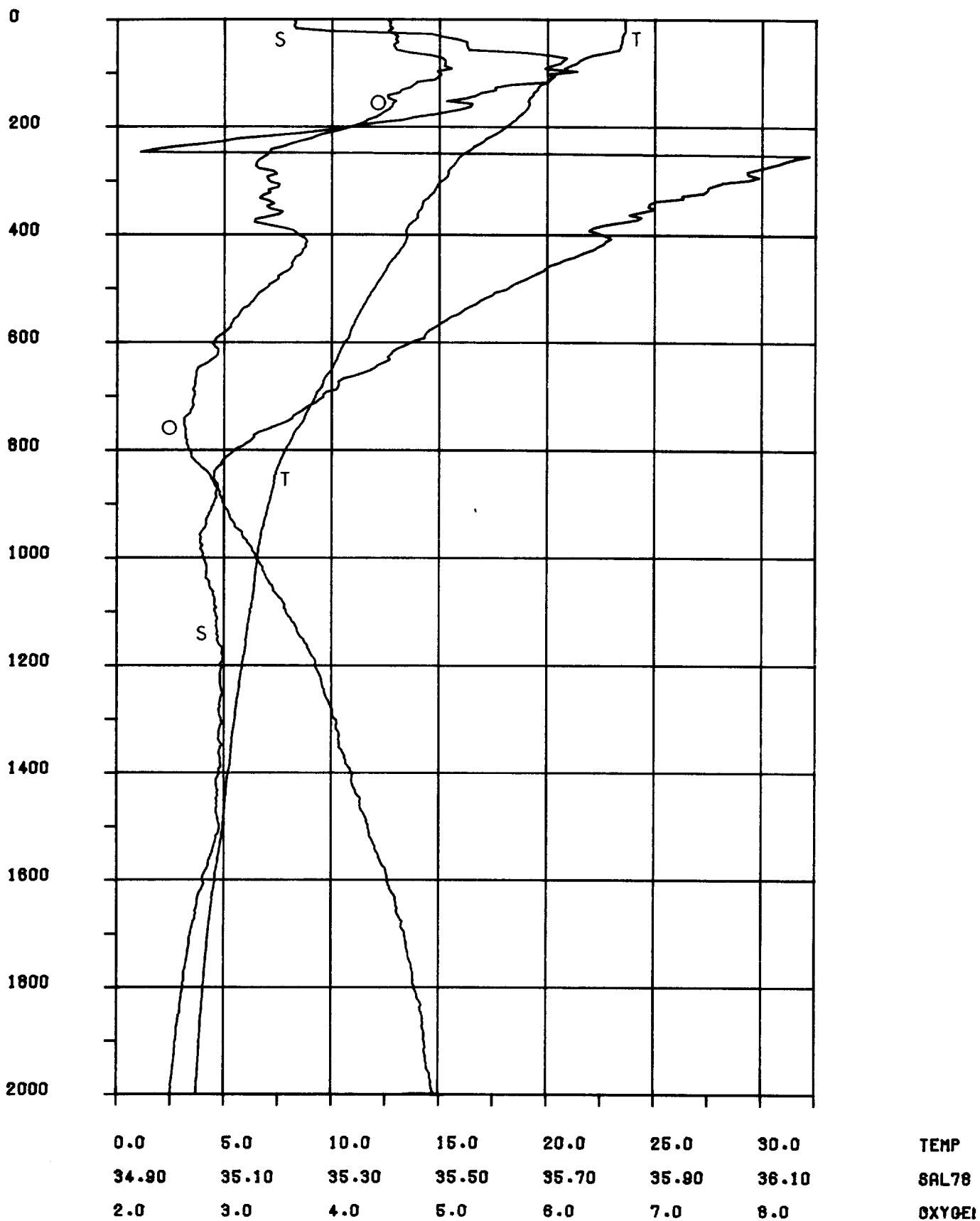


Figure 42

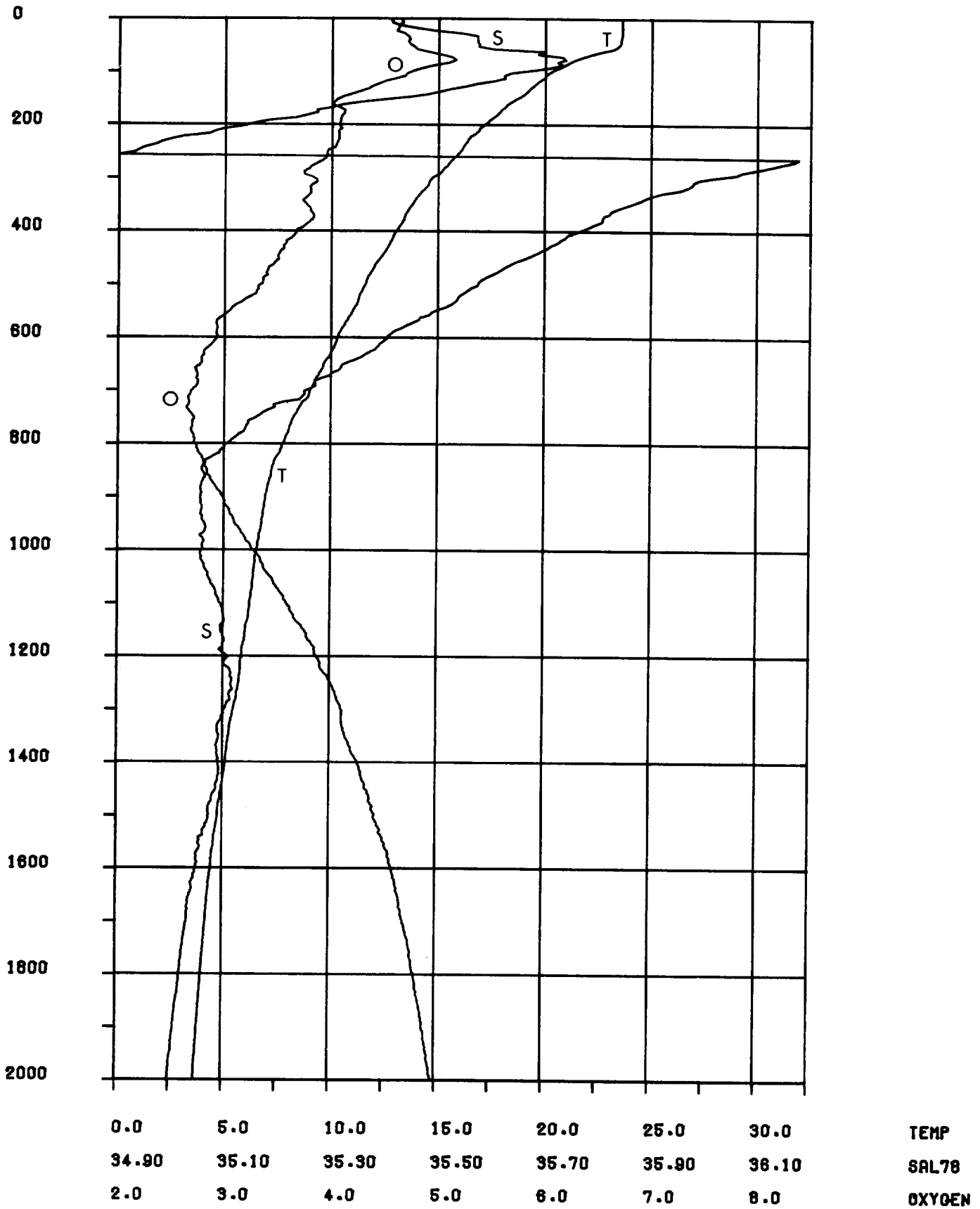


Figure 43

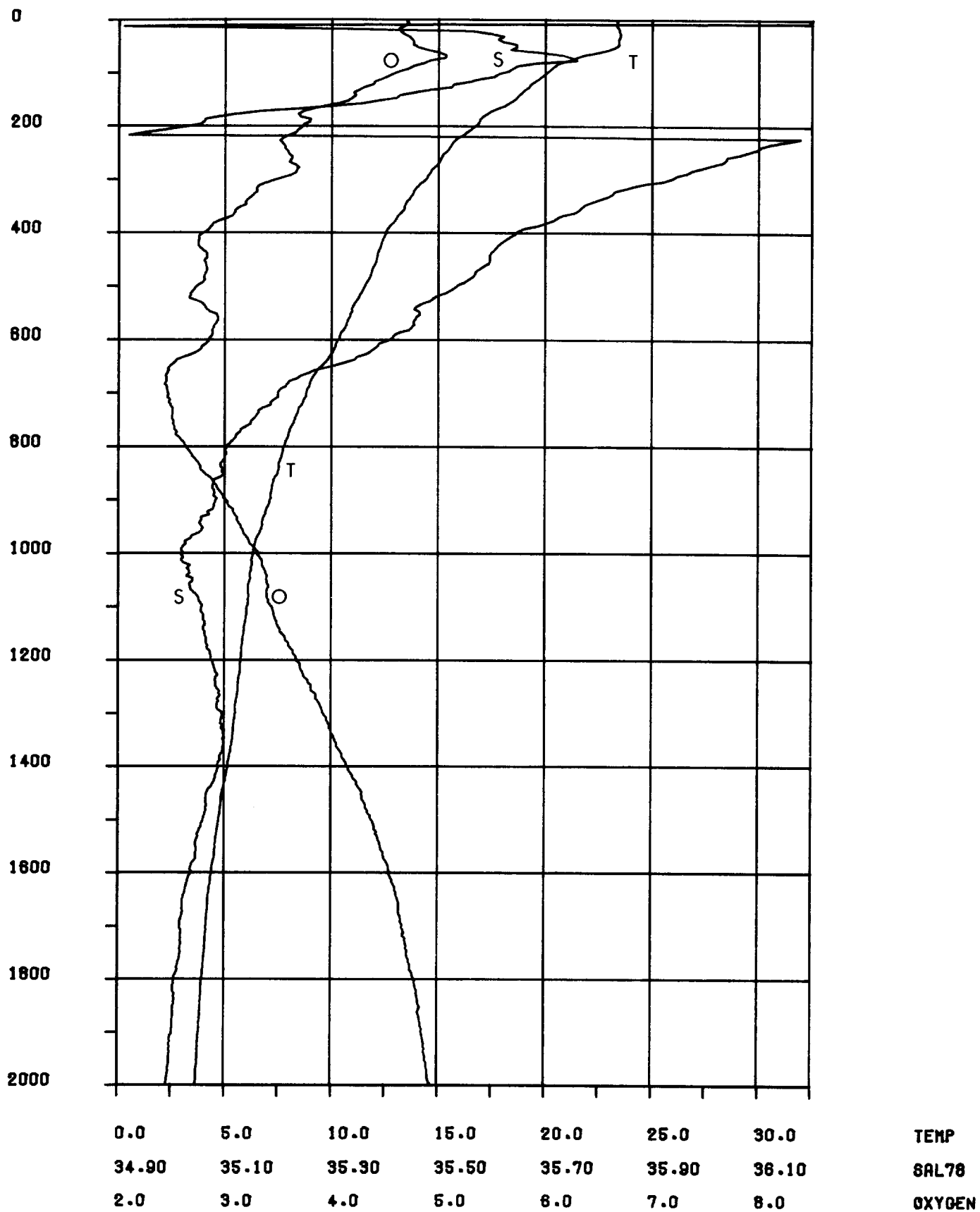


Figure 44

PRES

67

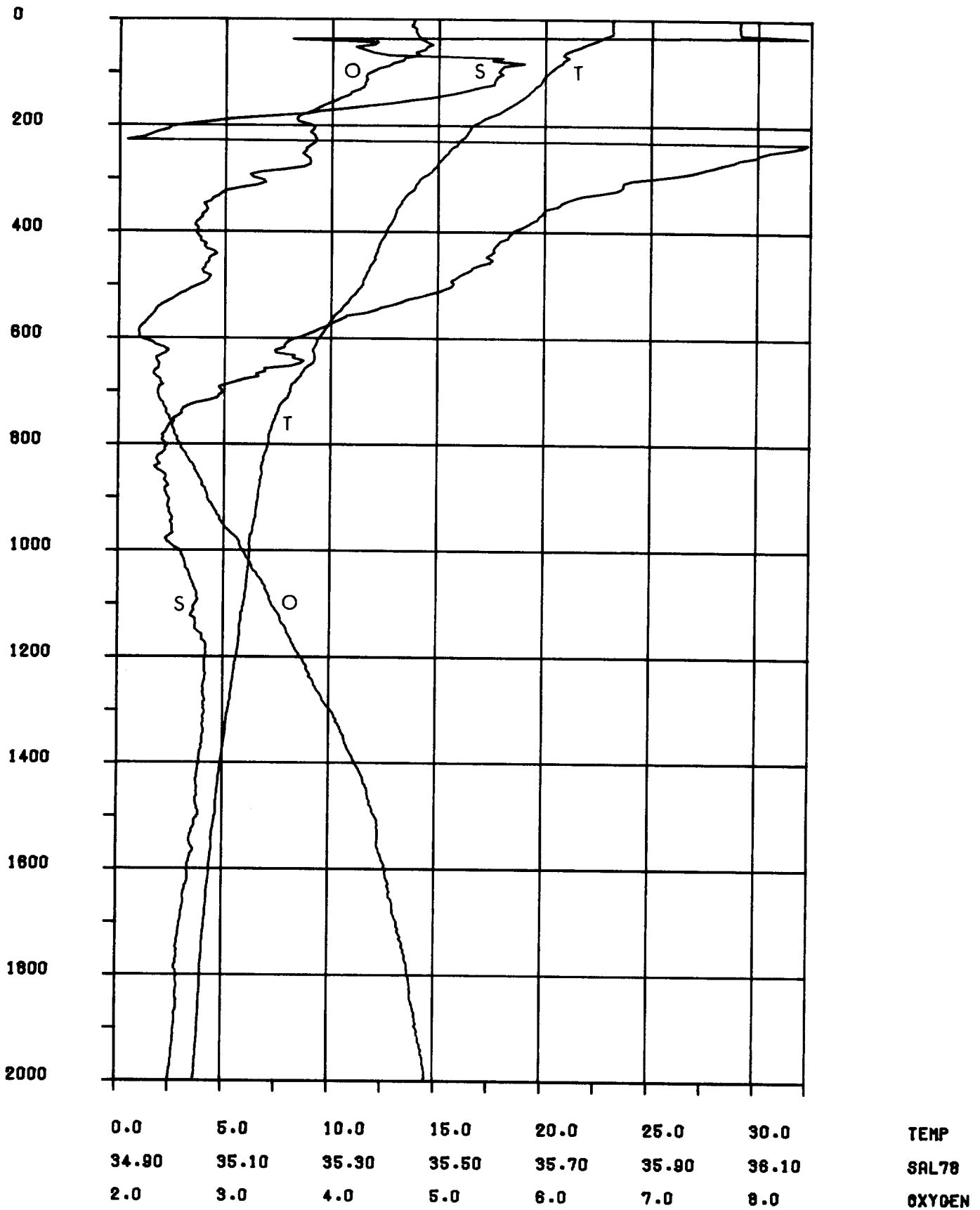


Figure 45

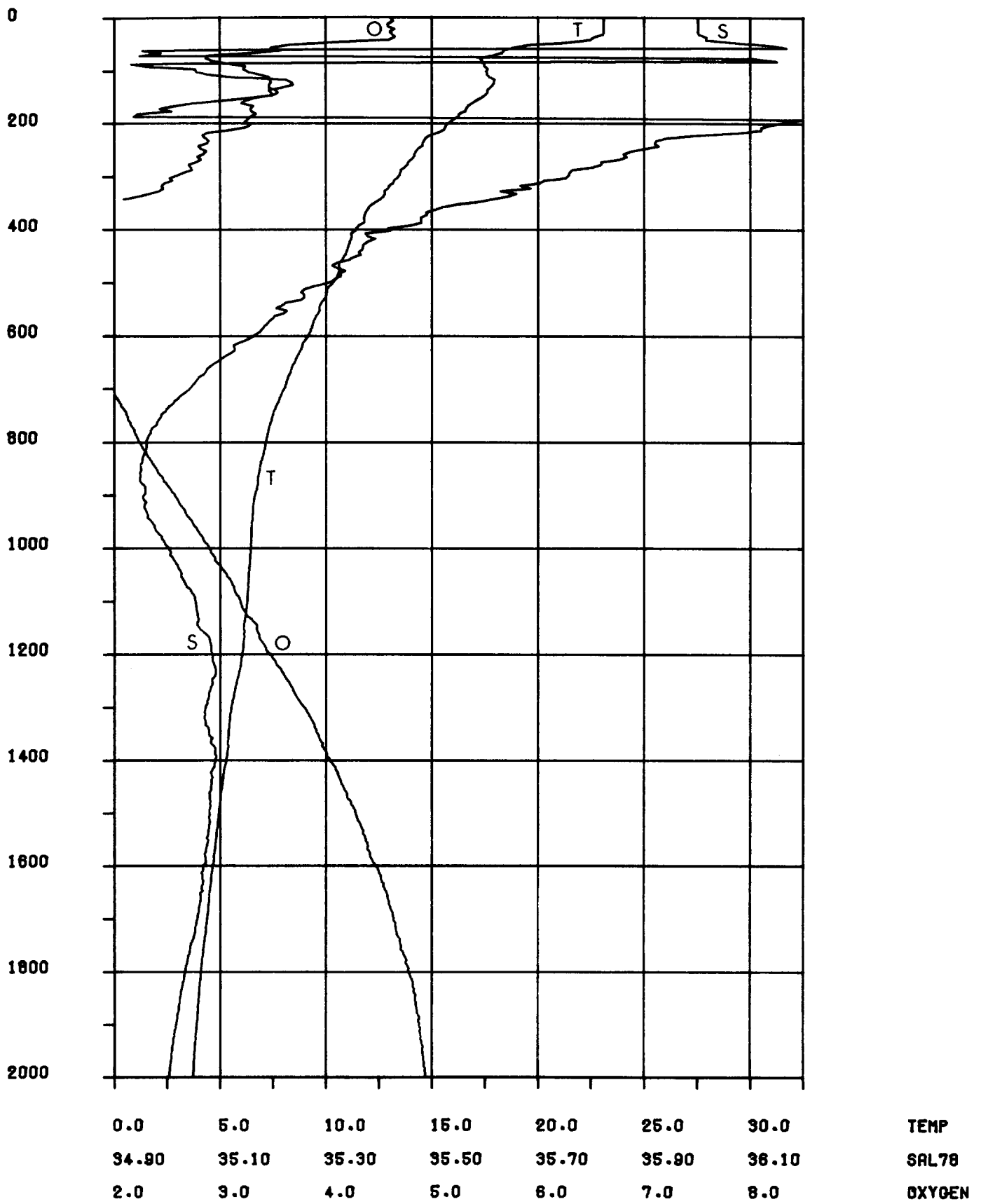


Figure 46

PRES

69

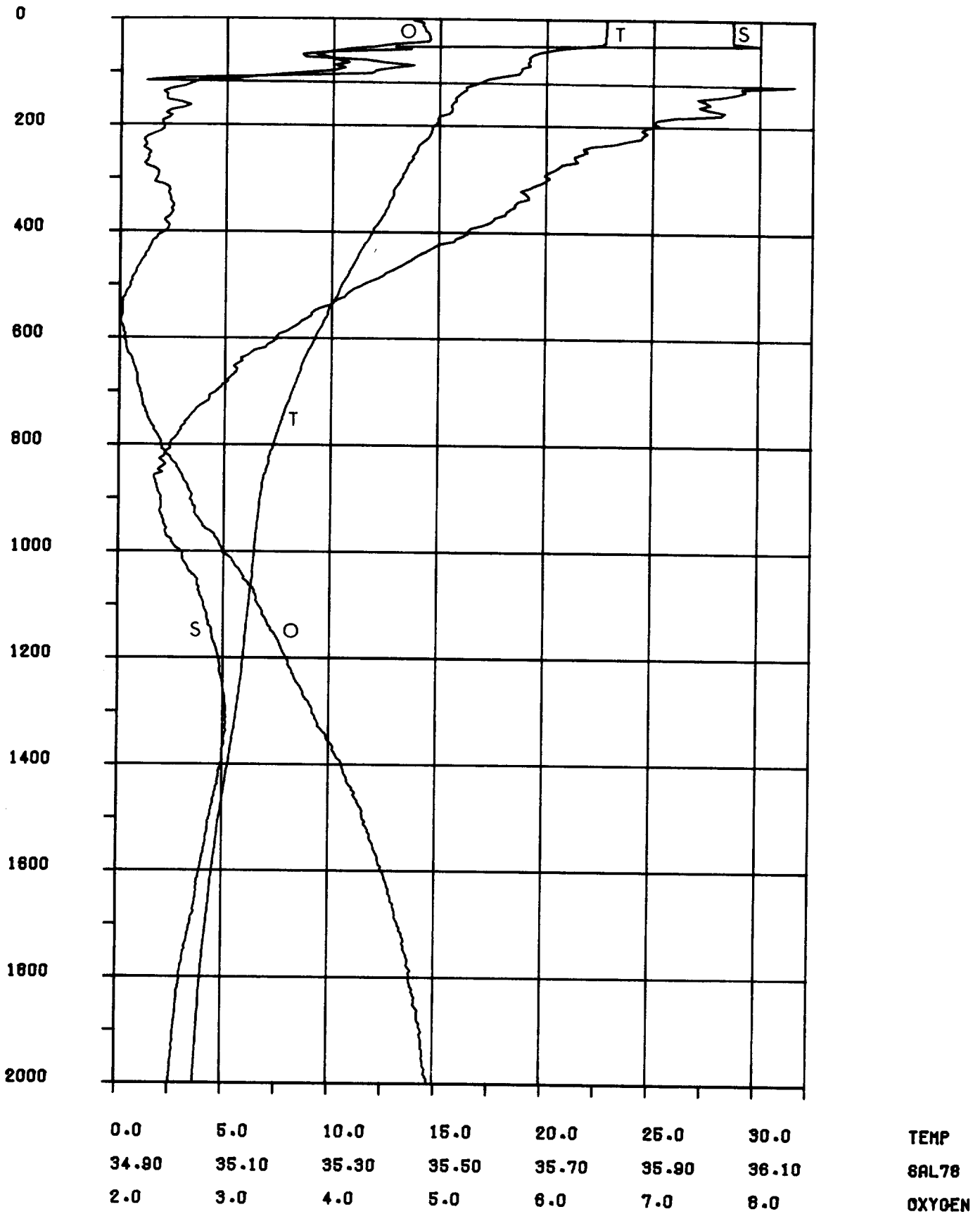


Figure 47

P-DB	T-DEGC	SAL-PSU	POTRAN	DO-ML/L	POTEMP	SICMAT	SIGAO00	DYNHIT-H	SNDV-M/S	DEPTH-M	SVANOM1	RVFR-C/HIR
10.	20.422	36.776	64.95	4.85	20.4202	26.0053	42.4758	0.020	1524.8	10.	0.1996E 03	-9.990
20.	20.382	36.770	64.93	4.83	20.3781	26.0119	42.4854	0.040	1524.8	20.	0.1993E 03	1.496
30.	20.266	36.750	64.59	4.94	20.2603	26.0273	42.5086	0.060	1524.7	30.	0.1982E 03	2.246
50.	19.571	36.684	64.30	5.16	19.5617	26.1615	42.6863	0.098	1523.0	50.	0.1862E 03	4.627
75.	17.987	36.440	64.48	5.38	17.9737	26.3798	43.0081	0.142	1518.6	74.	0.1662E 03	5.283
100.	17.813	36.460	64.24	5.24	17.7955	26.4382	43.0782	0.183	1518.6	99.	0.1615E 03	2.749
125.	17.775	36.550	66.55	5.04	17.7534	26.5169	43.1583	0.222	1519.0	124.	0.1549E 03	3.170
150.	17.651	36.566	67.25	4.90	17.6253	26.5597	43.2099	0.261	1519.0	149.	0.1516E 03	2.361
200.	16.393	36.296	67.78	4.82	16.3610	26.6545	43.3943	0.334	1515.8	198.	0.1440E 03	2.516
250.	15.519	36.133	67.84	4.77	15.4803	26.7302	43.5344	0.405	1513.8	248.	0.1381E 03	2.259
300.	14.614	35.986	67.95	4.79	14.5692	26.8180	43.6898	0.472	1511.6	298.	0.1309E 03	2.431
400.	13.143	35.769	68.20	4.73	13.0866	26.9608	43.9464	0.597	1508.2	397.	0.1194E 03	2.212
500.	12.017	35.626	68.35	4.67	11.9507	27.0724	44.1485	0.712	1505.9	496.	0.1105E 03	1.976
600.	11.155	35.539	68.48	4.49	11.0790	27.1672	44.3144	0.819	1504.5	595.	0.1032E 03	1.831
700.	10.394	35.504	68.61	4.30	10.3082	27.2772	44.4880	0.917	1503.4	694.	0.9422E 02	1.962
800.	9.910	35.542	68.68	4.18	9.8143	27.3909	44.6421	1.007	1503.4	793.	0.8506E 02	1.969
900.	9.408	35.571	68.71	4.24	9.3027	27.4988	44.7925	1.087	1503.2	892.	0.7623E 02	1.932
1000.	9.147	35.648	68.70	4.28	9.0316	27.6019	44.9176	1.159	1504.0	991.	0.6814E 02	1.861
1200.	8.053	35.582	68.77	4.54	7.9226	27.7231	45.1366	1.284	1503.2	1188.	0.5822E 02	1.539
1400.	6.671	35.414	68.84	5.05	6.5309	27.7906	45.3326	1.393	1501.0	1385.	0.5148E 02	1.321
1600.	5.156	35.189	68.87	5.57	5.0122	27.8070	45.4961	1.491	1498.1	1583.	0.4766E 02	1.070
1800.	4.543	35.117	68.85	5.69	4.3875	27.8204	45.5727	1.585	1498.8	1780.	0.4624E 02	0.809
2000.	4.152	35.084	68.91	5.69	3.9822	27.8369	45.6312	1.676	1500.5	1976.	0.4496E 02	0.770
2200.	3.704	35.032	68.93	5.74	3.5208	27.8423	45.6848	1.766	1501.9	2173.	0.4403E 02	0.707
2400.	3.378	34.998	68.95	5.76	3.1809	27.8480	45.7268	1.853	1503.9	2369.	0.4331E 02	0.658
2600.	3.142	34.978	68.98	5.74	2.9293	27.8545	45.7606	1.939	1506.2	2566.	0.4276E 02	0.619
2800.	2.955	34.960	68.99	5.71	2.7253	27.8574	45.7863	2.024	1508.8	2762.	0.4260E 02	0.546
3000.	2.832	34.949	68.98	5.69	2.5847	27.8599	45.8049	2.109	1511.7	2958.	0.4277E 02	0.482
3200.	2.733	34.939	69.00	5.68	2.4668	27.8609	45.8199	2.195	1514.6	3153.	0.4311E 02	0.440
3400.	2.646	34.930	69.02	5.68	2.3602	27.8611	45.8329	2.282	1517.7	3349.	0.4351E 02	0.420
3600.	2.590	34.922	69.05	5.69	2.2843	27.8600	45.8416	2.369	1520.9	3544.	0.4421E 02	0.349
3800.	2.533	34.914	69.08	5.72	2.2068	27.8586	45.8501	2.458	1524.0	3740.	0.4486E 02	0.353
4000.	2.495	34.909	69.09	5.75	2.1469	27.8573	45.8570	2.549	1527.3	3935.	0.4561E 02	0.325
4200.	2.468	34.903	69.11	5.78	2.0971	27.8549	45.8618	2.641	1530.6	4129.	0.4651E 02	0.279
4400.	2.442	34.899	69.12	5.81	2.0486	27.8540	45.8679	2.735	1534.0	4324.	0.4727E 02	0.319
4500.	2.437	34.897	69.12	5.83	2.0316	27.8529	45.8696	2.782	1535.7	4421.	0.4777E 02	0.245
4600.	2.438	34.895	69.11	5.84	2.0200	27.8518	45.8707	2.830	1537.4	4519.	0.4832E 02	0.205
4700.	2.436	34.894	69.12	5.86	2.0059	27.8507	45.8722	2.879	1539.1	4616.	0.4884E 02	0.231
4800.	2.431	34.892	69.10	5.89	1.9894	27.8496	45.8738	2.928	1540.9	4713.	0.4933E 02	0.249
4900.	2.442	34.892	69.10	5.90	1.9869	27.8485	45.8740	2.978	1542.6	4810.	0.4998E 02	0.091
5000.	2.452	34.891	69.10	5.92	1.9842	27.8473	45.8743	3.028	1544.4	4907.	0.5063E 02	0.093
5100.	2.463	34.891	69.08	5.94	1.9817	27.8461	45.8745	3.079	1546.2	5004.	0.5129E 02	0.093
5200.	2.472	34.890	69.06	5.96	1.9782	27.8447	45.8746	3.131	1548.0	5101.	0.5195E 02	0.080
5300.	2.483	34.890	69.01	5.97	1.9753	27.8437	45.8750	3.183	1549.8	5198.	0.5260E 02	0.128
5400.	2.496	34.890	69.00	6.00	1.9746	27.8422	45.8748	3.236	1551.6	5295.	0.5330E 02	-0.073

*

DISCOVERY 138 STATION 10813

P-DB	T-DEGC	SAL-PSU	POTRAN	DO-ML/L	POTEMP	SIGMAT	SIGA000	DYNHPT-H	SSDV-N/S	DEPTH-H	SVANON	BVFR-C/HR
10.	20.932	36.738	64.07	4.83	20.9299	25.8381	42.2803	0.022	1526.1	10.	0.2154E 03	-9.990
20.	20.768	36.740	63.55	4.84	20.7642	25.8843	42.3364	0.043	1525.8	20.	0.2114E 03	3.844
30.	20.665	36.735	63.68	4.90	20.6597	25.9085	42.3672	0.064	1525.7	30.	0.2095E 03	2.796
50.	18.857	36.537	63.51	5.48	18.8476	26.2343	42.8054	0.103	1520.8	50.	0.1792E 03	7.195
75.	18.058	36.471	63.69	5.55	18.0450	26.3857	43.0088	0.145	1518.9	74.	0.1656E 03	4.400
100.	17.598	36.419	62.46	5.32	17.5805	26.4597	43.1142	0.186	1517.9	99.	0.1594E 03	3.092
125.	17.060	36.324	65.50	5.25	17.0389	26.5176	43.2099	0.225	1516.6	124.	0.1547E 03	2.748
150.	16.740	36.280	66.60	5.12	16.7149	26.5600	43.2753	0.263	1516.0	149.	0.1514E 03	2.360
200.	16.085	36.210	67.70	4.82	16.0532	26.6599	43.4221	0.337	1514.8	199.	0.1434E 03	2.558
250.	14.995	36.036	67.81	4.91	14.9572	26.7727	43.6148	0.406	1512.0	248.	0.1339E 03	2.737
300.	14.369	35.941	67.94	4.91	14.3246	26.8365	43.7265	0.472	1510.7	298.	0.1290E 03	2.078
400.	13.207	35.778	68.13	4.76	13.1508	26.9545	43.9352	0.597	1508.4	397.	0.1200E 03	2.012
500.	11.952	35.615	68.26	4.84	11.8855	27.0770	44.1582	0.712	1505.6	496.	0.1101E 03	2.069
600.	11.236	35.547	68.36	4.77	11.1593	27.1590	44.2998	0.819	1504.8	595.	0.1041E 03	1.704
700.	10.774	35.554	68.47	4.46	10.6863	27.2488	44.4285	0.919	1504.8	694.	0.9739E 02	1.757
800.	10.045	35.542	68.59	4.22	9.9486	27.3678	44.6082	1.012	1503.9	793.	0.8743E 02	2.039
900.	9.485	35.573	68.64	4.24	9.3798	27.4872	44.7746	1.094	1503.5	892.	0.7745E 02	2.032
1000.	8.905	35.575	68.65	4.37	8.7909	27.5846	44.9221	1.167	1503.1	991.	0.6927E 02	1.868
1200.	7.563	35.489	68.72	4.78	7.4367	27.7236	45.1811	1.292	1501.2	1188.	0.5697E 02	1.656
1400.	6.771	35.435	68.75	5.06	6.6301	27.7937	45.3263	1.400	1501.4	1386.	0.5149E 02	1.233
1600.	5.671	35.304	68.77	5.35	5.5207	27.8349	45.4737	1.498	1500.3	1583.	0.4691E 02	1.139
1800.	4.845	35.188	68.69	5.59	4.6848	27.8423	45.5644	1.599	1500.1	1780.	0.4546E 02	0.832
2000.	4.327	35.123	68.74	5.64	4.1543	27.8492	45.6258	1.681	1501.3	1977.	0.4464E 02	0.731
2200.	3.801	35.054	68.77	5.70	3.6164	27.8500	45.6825	1.769	1502.4	2173.	0.4383E 02	0.701
2400.	3.493	35.023	68.83	5.71	3.2933	27.8560	45.7230	1.856	1504.4	2370.	0.4323E 02	0.649
2600.	3.234	34.996	68.82	5.70	2.7605	27.8597	45.7564	1.942	1506.7	2566.	0.4284E 02	0.603
2800.	2.991	34.967	68.83	5.74	2.4409	27.8601	45.7852	2.028	1509.0	2762.	0.4259E 02	0.565
3000.	2.830	34.951	68.87	5.71	2.5829	27.8619	45.8071	2.113	1511.7	2958.	0.4259E 02	0.516
3200.	2.706	34.938	68.84	5.69	2.4409	27.8623	45.8239	2.198	1514.5	3154.	0.4279E 02	0.463
3400.	2.613	34.926	68.85	5.70	2.3281	27.8614	45.8365	2.284	1517.5	3349.	0.4323E 02	0.409
3600.	2.549	34.918	68.88	5.70	2.2439	27.8600	45.8458	2.371	1520.7	3545.	0.4386E 02	0.359
3800.	2.494	34.911	68.89	5.73	2.1686	27.8591	45.8545	2.460	1523.9	3740.	0.4448E 02	0.359
4000.	2.461	34.905	68.88	5.77	2.1133	27.8575	45.8606	2.549	1527.2	3935.	0.4528E 02	0.306
4200.	2.418	34.898	68.87	5.82	2.0488	27.8557	45.8675	2.641	1530.4	4130.	0.4597E 02	0.334
4400.	2.400	34.893	68.88	5.86	2.0079	27.8534	45.8714	2.734	1533.8	4324.	0.4691E 02	0.259
4500.	2.400	34.892	68.79	5.87	1.9955	27.8525	45.8729	2.781	1535.5	4422.	0.4742E 02	0.224
4600.	2.404	34.892	68.64	5.88	1.9878	27.8516	45.8738	2.828	1537.3	4519.	0.4799E 02	0.183
4700.	2.414	34.891	68.57	5.89	1.9853	27.8503	45.8738	2.877	1539.1	4616.	0.4865E 02	0.045

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DISCOVERY 138 STATION 10820												
P-DB	T-DEGC	SAL-P/SU	POTPRAN	NO-M/L	POTEMP	SICMAT	SIG4000	DYRHT-H	SNDV-N/S	DEPTH-H	SVANOM	RVFR-C/HR
10.	20.920	36.790	64.18	4.82	20.9182	25.8809	42.3225	0.021	1526.1	10.	0.2114E 03	-9.990
20.	20.747	36.743	64.24	4.91	20.7435	25.8918	42.3450	0.042	1525.8	20.	0.2107E 03	1.907
30.	20.543	36.683	64.24	4.96	20.5370	25.9018	42.3687	0.063	1525.3	30.	0.2101E 03	1.825
50.	18.654	36.442	63.54	5.61	18.6449	26.2137	42.7994	0.102	1520.1	50.	0.1811E 03	7.042
75.	18.105	36.443	64.06	5.54	18.0922	26.3527	42.9734	0.146	1519.0	74.	0.1688E 03	4.214
100.	17.452	36.380	64.70	5.34	17.4354	26.4657	43.1303	0.187	1517.4	99.	0.1588E 03	3.812
125.	17.108	36.344	65.45	5.07	17.0871	26.5215	43.2102	0.226	1516.8	124.	0.1543E 03	2.690
150.	16.704	36.280	66.68	5.08	16.6796	26.5688	43.2863	0.264	1515.9	149.	0.1506E 03	2.492
200.	15.865	36.163	67.47	4.93	15.8328	26.6745	43.4526	0.337	1514.0	199.	0.1419E 03	2.636
250.	14.919	36.015	67.79	4.99	14.8812	26.7731	43.6210	0.406	1511.7	248.	0.1338E 03	2.561
300.	14.303	35.929	67.94	4.95	14.2588	26.8410	43.7359	0.471	1510.5	298.	0.1286E 03	2.138
400.	13.100	35.765	68.19	4.75	13.0440	26.9658	43.9546	0.595	1508.0	397.	0.1189E 03	2.066
500.	11.887	35.609	68.29	4.71	11.8212	27.0845	44.1707	0.709	1505.4	496.	0.1093E 03	2.037
600.	11.136	35.538	68.38	4.70	11.0600	27.1699	44.3186	0.815	1504.4	595.	0.1029E 03	1.738
700.	10.679	35.536	68.48	4.41	10.5916	27.2519	44.4394	0.915	1504.4	694.	0.9698E 02	1.686
800.	9.916	35.513	68.60	4.20	9.8201	27.3678	44.6193	1.007	1503.4	793.	0.8722E 02	2.020
900.	9.189	35.523	68.64	4.22	9.0857	27.4977	44.8104	1.089	1502.4	892.	0.7595E 02	2.133
1000.	8.718	35.537	68.68	4.28	8.6052	27.5848	44.9387	1.161	1502.3	991.	0.6888E 02	1.760
1200.	7.829	35.538	68.71	4.68	7.7005	27.7226	45.1562	1.287	1502.3	1188.	0.5772E 02	1.598
1400.	6.536	35.386	68.76	5.13	6.3980	27.7873	45.3419	1.396	1500.5	1386.	0.5139E 02	1.290
1600.	5.598	35.288	68.79	5.42	5.4485	27.8314	45.4773	1.494	1500.0	1583.	0.4697E 02	1.121
1800.	4.919	35.197	68.77	5.60	4.7583	27.8411	45.5560	1.587	1500.4	1780.	0.4587E 02	0.797
2000.	4.239	35.107	68.75	5.74	4.0675	27.8458	45.6312	1.677	1500.9	1977.	0.4455E 02	0.787
2200.	3.757	35.052	68.86	5.73	3.5734	27.8528	45.6896	1.765	1502.2	2173.	0.4333E 02	0.742
2400.	3.460	35.020	68.91	5.73	3.2612	27.8571	45.7274	1.851	1504.3	2370.	0.4295E 02	0.621
2600.	3.182	34.988	68.89	5.75	2.9680	27.8584	45.7603	1.937	1506.4	2566.	0.4265E 02	0.587
2800.	2.988	34.967	68.91	5.73	2.7579	27.8601	45.7855	2.022	1509.0	2762.	0.4258E 02	0.536
3000.	2.808	34.949	68.94	5.71	2.5615	27.8624	45.8098	2.107	1511.6	2958.	0.4237E 02	0.545
3200.	2.691	34.936	68.94	5.68	2.4256	27.8626	45.8258	2.192	1514.5	3154.	0.4264E 02	0.451
3400.	2.601	34.926	68.94	5.68	2.3168	27.8621	45.8384	2.278	1517.5	3349.	0.4307E 02	0.411
3600.	2.536	34.917	68.96	5.68	2.2312	27.8608	45.8479	2.365	1520.6	3545.	0.4369E 02	0.364
3800.	2.481	34.910	69.01	5.70	2.1563	27.8598	45.8565	2.453	1523.8	3740.	0.4430E 02	0.357
4000.	2.439	34.903	69.04	5.74	2.0924	27.8580	45.8632	2.542	1527.1	3935.	0.4504E 02	0.322
4200.	2.410	34.898	68.94	5.77	2.0409	27.8563	45.8689	2.633	1530.4	4130.	0.4584E 02	0.302
4400.	2.398	34.894	69.05	5.84	2.0062	27.8538	45.8720	2.726	1533.8	4324.	0.4685E 02	0.231
4500.	2.401	34.893	69.01	5.85	1.9963	27.8532	45.8735	2.773	1535.5	4422.	0.4737E 02	0.227
4600.	2.405	34.892	68.82	5.85	1.9882	27.8518	45.8739	2.820	1537.3	4519.	0.4798E 02	0.130
4700.	2.412	34.891	68.73	5.93	1.9834	27.8505	45.8742	2.869	1539.0	4616.	0.4862E 02	0.105

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DISCOVERY 138 STATION 10821

P-DB	T-DEGC	SAL-P/SU	POTRAN	DO-ML/L	POTE1P	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	HYFR-C/HR
10.	20.709	36.632	63.43	4.97	20.7075	25.8175	42.2749	0.022	1525.4	10.	0.2174E 03	-9.990
20.	20.619	36.632	63.68	4.97	20.6150	25.8421	42.3053	0.044	1525.3	20.	0.2154E 03	2.818
30.	20.337	36.626	63.58	5.07	20.3315	25.9135	42.3937	0.065	1524.7	30.	0.2090E 03	4.779
50.	19.173	36.525	63.35	5.53	19.1640	26.1437	42.6960	0.105	1521.7	50.	0.1878E 03	6.050
75.	18.001	36.408	63.66	5.63	17.9878	26.3520	42.9802	0.149	1518.6	74.	0.1688E 03	5.155
100.	17.185	36.321	64.46	5.38	17.1680	26.4848	43.1679	0.190	1516.5	99.	0.1570E 03	4.127
125.	16.870	36.296	66.08	5.21	16.8495	26.5418	43.2470	0.228	1516.0	124.	0.1523E 03	2.720
150.	16.561	36.258	67.06	5.13	16.5366	26.5855	43.3129	0.266	1515.4	149.	0.1489E 03	2.393
200.	15.695	36.137	67.61	4.94	15.6639	26.6936	43.4835	0.338	1513.5	190.	0.1401E 03	2.664
250.	14.847	36.005	67.70	5.01	14.8086	26.7817	43.6349	0.406	1511.5	248.	0.1329E 03	2.424
300.	14.258	35.923	67.82	4.97	14.2136	26.8467	43.7449	0.471	1510.3	298.	0.1280E 03	2.093
400.	12.986	35.750	68.10	4.74	12.9306	26.9773	43.9748	0.595	1507.6	397.	0.1177E 03	2.114
500.	11.940	35.617	68.13	4.66	11.8741	27.0809	44.1629	0.708	1505.6	496.	0.1097E 03	1.905
600.	11.152	35.541	68.26	4.57	11.0738	27.1695	44.3169	0.814	1504.5	595.	0.1030E 03	1.771
700.	10.741	35.570	68.33	4.34	10.6538	27.2672	44.4490	0.913	1504.7	694.	0.9562E 02	1.821
800.	10.459	35.661	68.43	4.13	10.3600	27.3885	44.5932	1.004	1505.5	793.	0.8611E 02	2.005
900.	9.191	35.531	68.46	4.24	9.0875	27.5032	44.8156	1.085	1502.4	892.	0.7543E 02	2.090
1000.	8.699	35.555	68.49	4.37	8.5867	27.6013	44.9563	1.156	1502.3	991.	0.6730E 02	1.858
1200.	7.667	35.522	68.51	4.75	7.5395	27.7341	45.1819	1.279	1501.7	1188.	0.5625E 02	1.590
1400.	6.340	35.360	68.58	5.23	6.2039	27.7927	45.3653	1.385	1499.7	1386.	0.5030E 02	1.260
1600.	5.588	35.286	68.60	5.46	5.4392	27.8310	45.4777	1.482	1499.9	1583.	0.4698E 02	1.032
1800.	4.819	35.182	68.61	5.66	4.6594	27.8411	45.5658	1.574	1500.0	1780.	0.4546E 02	0.837
2000.	4.197	35.100	68.62	5.78	4.0262	27.8446	45.6341	1.664	1500.7	1977.	0.4447E 02	0.746
2200.	3.774	35.051	68.72	5.75	3.5895	27.8506	45.6858	1.752	1502.2	2173.	0.4364E 02	0.699
2400.	3.481	35.023	68.75	5.73	3.2816	27.8572	45.7254	1.839	1504.3	2370.	0.4305E 02	0.646
2600.	3.174	34.987	68.76	5.77	2.9602	27.8584	45.7613	1.924	1506.4	2566.	0.4259E 02	0.610
2800.	2.981	34.966	68.75	5.75	2.7513	27.8601	45.7862	2.009	1508.9	2762.	0.4254E 02	0.533
3000.	2.807	34.949	68.77	5.72	2.5600	27.8620	45.8095	2.094	1511.6	2958.	0.4240E 02	0.534
3200.	2.693	34.936	68.77	5.70	2.4276	27.8623	45.8253	2.179	1514.5	3154.	0.4268E 02	0.449
3400.	2.600	34.926	68.77	5.69	2.3158	27.8623	45.8387	2.265	1517.5	3349.	0.4305E 02	0.423
3600.	2.537	34.918	68.79	5.70	2.2331	27.8613	45.8482	2.352	1520.6	3545.	0.4366E 02	0.365
3800.	2.490	34.911	68.81	5.72	2.1648	27.8598	45.8557	2.440	1523.9	3740.	0.4438E 02	0.332
4000.	2.452	34.905	68.79	5.74	2.1053	27.8579	45.8618	2.529	1527.1	3935.	0.4517E 02	0.308
4200.	2.424	34.899	68.72	5.78	2.0550	27.8559	45.8671	2.621	1530.5	4130.	0.4601E 02	0.291
4400.	2.404	34.894	68.76	5.85	2.0118	27.8538	45.8714	2.713	1533.8	4325.	0.4691E 02	0.272
4500.	2.406	34.894	68.81	5.86	2.0011	27.8535	45.8732	2.761	1535.6	4422.	0.4740E 02	0.249
4600.	2.406	34.893	68.56	5.87	1.9897	27.8523	45.8743	2.808	1537.3	4519.	0.4795E 02	0.194
4700.	2.415	34.892	68.48	5.87	1.9862	27.8511	45.8746	2.857	1539.1	4616.	0.4859E 02	0.108

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DISCOVERY 138 STATION 10R22

P-DB	T-DEGC	SAL-PSU	POTRAN	DO-HL/L	POTENP	SICMAT	SIG4000	DYMET-N	SNDV-N/S	DEPTH-M	SWAHON	BVFR-C/HR
10.	20.728	36.575	63.84	5.04	20.7260	25.7689	42.2265	0.022	1525.4	10.	0.2220E 03	-9.990
20.	20.435	36.607	63.29	5.14	20.4311	25.8726	42.3469	0.044	1524.8	20.	0.2125E 03	5.740
30.	20.068	36.659	63.77	5.23	20.0624	26.0111	42.5060	0.065	1524.0	30.	0.1997E 03	6.627
50.	19.079	36.574	63.82	5.50	19.0700	26.2057	42.7625	0.103	1521.5	50.	0.1819E 03	5.569
75.	18.033	36.489	64.30	5.55	18.0203	26.4059	43.0301	0.146	1518.8	74.	0.1637E 03	5.053
100.	17.700	36.479	64.34	5.31	17.6826	26.4809	43.1275	0.186	1518.2	99.	0.1574E 03	3.110
125.	16.863	36.301	66.20	5.32	16.8426	26.5470	43.2525	0.225	1516.0	124.	0.1518E 03	2.941
150.	16.526	36.270	67.17	5.14	16.5015	26.6034	43.3328	0.263	1515.3	149.	0.1472E 03	2.712
200.	15.697	36.145	67.64	4.96	15.6657	26.6992	43.4888	0.334	1513.5	199.	0.1395E 03	2.512
250.	14.868	36.008	67.73	4.95	14.8296	26.7798	43.6314	0.402	1511.6	248.	0.1331E 03	2.324
300.	14.170	35.913	67.86	4.97	14.1262	26.8574	43.7620	0.467	1510.1	298.	0.1269E 03	2.282
400.	12.946	35.740	68.08	4.77	12.8907	26.9777	43.9783	0.589	1507.5	397.	0.1176E 03	2.033
500.	11.956	35.615	68.14	4.81	11.8896	27.0759	44.1568	0.703	1505.7	496.	0.1102E 03	1.856
600.	11.144	35.540	68.32	4.56	11.0675	27.1707	44.3188	0.809	1504.4	595.	0.1029E 03	1.827
700.	10.449	35.508	68.42	4.38	10.3631	27.2709	44.4772	0.908	1503.6	694.	0.9489E 02	1.874
800.	10.317	35.645	68.51	4.20	10.2191	27.4011	44.6173	0.999	1504.9	793.	0.8472E 02	2.056
900.	9.202	35.541	68.53	4.28	9.0982	27.5094	44.8206	1.078	1502.4	892.	0.7488E 02	2.021
1000.	8.649	35.539	68.55	4.42	8.5372	27.5971	44.9566	1.149	1502.1	991.	0.6760E 02	1.780
1200.	7.836	35.549	68.59	4.73	7.7077	27.7302	45.1629	1.273	1502.3	1188.	0.5703E 02	1.566
1400.	6.483	35.388	68.65	5.22	6.3447	27.7964	45.3556	1.380	1500.3	1386.	0.5039E 02	1.309
1600.	5.546	35.276	68.69	5.46	5.3977	27.8288	45.4797	1.477	1499.7	1583.	0.4703E 02	1.037
1800.	4.896	35.192	68.72	5.65	4.7356	27.8400	45.5572	1.570	1500.3	1780.	0.4583E 02	0.800
2000.	4.188	35.099	68.75	5.78	4.0169	27.8452	45.6357	1.660	1500.7	1977.	0.4437E 02	0.905
2200.	3.762	35.049	68.81	5.79	3.5724	27.8499	45.6863	1.748	1502.2	2173.	0.4364E 02	0.685
2400.	3.446	35.018	68.81	5.74	3.2479	27.8567	45.7283	1.835	1504.2	2370.	0.4291E 02	0.664
2600.	3.171	34.987	68.85	5.77	2.9573	27.8589	45.7620	1.920	1506.4	2566.	0.4253E 02	0.597
2800.	2.979	34.966	68.87	5.74	2.7495	27.8600	45.7863	2.005	1508.9	2762.	0.4253E 02	0.524
3000.	2.824	34.951	68.90	5.72	2.5767	27.8621	45.8079	2.090	1511.6	2958.	0.4251E 02	0.515
3200.	2.693	34.937	68.88	5.70	2.4280	27.8626	45.8256	2.175	1514.5	3154.	0.4266E 02	0.475
3400.	2.601	34.927	68.90	5.70	2.3164	27.8627	45.8390	2.260	1517.5	3349.	0.4302E 02	0.424
3600.	2.539	34.918	68.91	5.71	2.2344	27.8612	45.8479	2.347	1520.6	3545.	0.4368E 02	0.352
3800.	2.487	34.911	68.94	5.73	2.1613	27.8600	45.8561	2.435	1523.8	3740.	0.4433E 02	0.349
4000.	2.452	34.905	68.96	5.78	2.1046	27.8584	45.8623	2.525	1527.1	3935.	0.4512E 02	0.309
4200.	2.433	34.900	68.85	5.79	2.0638	27.8557	45.8660	2.616	1530.5	4130.	0.4612E 02	0.242
4400.	2.410	34.896	68.83	5.84	2.0176	27.8546	45.8716	2.709	1533.8	4325.	0.4690E 02	0.308
4500.	2.405	34.894	68.67	5.87	2.0010	27.8532	45.8730	2.756	1535.6	4422.	0.4742E 02	0.225
4600.	2.409	34.893	68.68	5.89	1.9923	27.8521	45.8738	2.804	1537.3	4519.	0.4800E 02	0.171
4700.	2.417	34.892	68.61	5.90	1.9874	27.8510	45.8743	2.852	1539.1	4616.	0.4861E 02	0.140

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DISCOVERY 138 STATION 10R23

P-DB	T-DEGC	SAL-PSU	POTRAN	DO-M/L	POTEMP	SICHA1	SIG4000	DYNHT-H	SNDV-N/S	DEPTH-M	SVANOM	BVFR-C/HR
10.	20.738	36.616	63.54	4.96	20.7362	25.7978	42.2539	0.022	1525.5	10.	0.2193E 03	-9.990
20.	20.585	36.622	63.90	5.09	20.5816	25.8439	42.3092	0.044	1525.2	20.	0.2153E 03	3.839
30.	20.246	36.662	63.97	5.22	20.2405	25.9056	42.4502	0.065	1524.5	30.	0.2040E 03	6.217
50.	19.756	36.679	64.05	5.38	19.7472	26.1092	42.6231	0.104	1523.5	50.	0.1911E 03	4.782
75.	18.734	36.641	63.97	5.59	18.7203	26.3457	42.9231	0.149	1521.0	74.	0.1695E 03	5.490
100.	18.484	36.675	65.22	5.41	18.4666	26.4354	43.0286	0.190	1520.7	99.	0.1618E 03	3.393
125.	18.118	36.630	65.20	5.24	18.0966	26.4929	43.1110	0.230	1520.1	124.	0.1572E 03	2.735
150.	17.526	36.516	66.54	5.14	17.5008	26.5516	43.2109	0.269	1518.6	149.	0.1524E 03	2.778
200.	15.844	36.154	67.36	5.06	15.8127	26.6726	43.4522	0.343	1514.0	199.	0.1421E 03	2.838
250.	14.955	36.022	67.54	5.04	14.9167	26.7711	43.6164	0.412	1511.9	248.	0.1340E 03	2.557
300.	14.361	35.946	67.68	4.87	14.3162	26.8423	43.7327	0.477	1510.7	298.	0.1285E 03	2.186
400.	13.042	35.752	67.89	4.88	12.9860	26.9677	43.9611	0.601	1507.8	397.	0.1186E 03	2.077
500.	12.038	35.627	68.01	4.73	11.9709	27.0695	44.1440	0.715	1506.0	496.	0.1108E 03	1.887
600.	11.098	35.531	68.12	4.66	11.0218	27.1717	44.3236	0.822	1504.3	595.	0.1027E 03	1.901
700.	10.345	35.509	68.27	4.28	10.2597	27.2897	44.5041	0.920	1503.2	694.	0.9300E 02	2.023
800.	10.214	35.637	68.38	4.20	10.1166	27.4129	44.6374	1.008	1504.6	793.	0.8347E 02	2.002
900.	9.737	35.670	68.42	4.16	9.6298	27.5206	44.7851	1.088	1504.6	892.	0.7477E 02	1.927
1000.	9.458	35.740	68.41	4.27	9.3404	27.6229	44.9109	1.159	1505.3	991.	0.6679E 02	1.858
1200.	7.928	35.574	68.43	4.66	7.7986	27.7363	45.1605	1.282	1502.7	1188.	0.5659E 02	1.552
1400.	6.537	35.402	68.53	5.14	6.3981	27.8001	45.3542	1.388	1500.5	1386.	0.5020E 02	1.302
1600.	5.680	35.306	68.60	5.37	5.5295	27.8356	45.4735	1.484	1500.3	1583.	0.4688E 02	1.038
1800.	4.752	35.174	68.65	5.68	4.5928	27.8423	45.5735	1.576	1499.7	1780.	0.4508E 02	0.866
2000.	4.170	35.101	68.70	5.75	3.9992	27.8487	45.6408	1.665	1500.6	1977.	0.4397E 02	0.757
2200.	3.757	35.054	68.77	5.73	3.5734	27.8546	45.6914	1.752	1502.2	2173.	0.4319E 02	0.692
2400.	3.415	35.013	68.76	5.75	3.2173	27.8563	45.7310	1.838	1504.1	2370.	0.4277E 02	0.620
2600.	3.122	34.982	68.81	5.76	2.9095	27.8593	45.7673	1.923	1506.2	2566.	0.4220E 02	0.622
2800.	2.938	34.963	68.78	5.71	2.7093	27.8616	45.7919	2.007	1508.7	2762.	0.4212E 02	0.534
3000.	2.782	34.947	68.81	5.71	2.5354	27.8629	45.8129	2.091	1511.5	2958.	0.4214E 02	0.504
3200.	2.673	34.935	68.83	5.70	2.4083	27.8630	45.8280	2.176	1514.4	3154.	0.4248E 02	0.437
3400.	2.589	34.925	68.86	5.70	2.3047	27.8622	45.8398	2.261	1517.4	3349.	0.4297E 02	0.396
3600.	2.522	34.916	68.91	5.73	2.2178	27.8612	45.8496	2.348	1520.6	3545.	0.4354E 02	0.372
3800.	2.473	34.909	68.94	5.76	2.1478	27.8595	45.8570	2.436	1523.8	3740.	0.4426E 02	0.330
4000.	2.437	34.903	68.96	5.80	2.0909	27.8579	45.8633	2.525	1527.1	3935.	0.4504E 02	0.310
4200.	2.406	34.897	68.98	5.84	2.0370	27.8559	45.8689	2.616	1530.4	4130.	0.4583E 02	0.302
4400.	2.398	34.894	68.94	5.87	2.0060	27.8536	45.8719	2.708	1533.8	4325.	0.4686E 02	0.225
4500.	2.401	34.894	68.92	5.81	1.9970	27.8534	45.8736	2.755	1535.5	4422.	0.4736E 02	0.239
4600.	2.405	34.892	68.85	5.90	1.9888	27.8521	45.8742	2.803	1537.3	4519.	0.4796E 02	0.155
4700.	2.414	34.892	68.70	5.92	1.9847	27.8509	45.8745	2.851	1539.1	4616.	0.4859E 02	0.105
4800.	2.423	34.891	68.58	5.99	1.9809	27.8498	45.8749	2.900	1540.8	4713.	0.4922E 02	0.120

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DISCOVERY 138 STATION 10824

P-DB	T-DEGC	SAL-PSU	POTPAR	DO-ML/L	POTEMP	SIGMAT	SIG4000	DYNT-H	SDV-H/S	DEPTH-H	SVANOM	WVFR-C/HR
10.	20.801	36.553	64.36	5.02	20.7995	25.7322	42.1861	0.023	1525.6	10.	0.2255E 03	-9.990
20.	20.554	36.562	63.87	5.14	20.5504	25.8061	42.2746	0.045	1525.1	20.	0.2188E 03	4.849
30.	19.902	36.573	64.23	5.36	19.8968	25.9893	42.4960	0.066	1523.5	30.	0.2018E 03	7.625
50.	19.310	36.597	64.18	5.53	19.3010	26.1635	42.7058	0.105	1522.2	50.	0.1859E 03	5.263
75.	18.173	36.679	64.55	5.66	18.1598	26.3634	42.9791	0.148	1519.2	74.	0.1678E 03	5.051
100.	18.222	36.601	65.08	5.39	18.2047	26.4445	43.0556	0.189	1519.9	99.	0.1609E 03	3.222
125.	17.415	36.434	65.83	5.29	17.3934	26.5164	43.1834	0.229	1517.8	124.	0.1548E 03	3.064
150.	16.599	36.261	66.63	5.30	16.5740	26.5794	43.3043	0.267	1515.5	149.	0.1495E 03	2.881
200.	15.748	36.148	67.36	5.00	15.7162	26.6903	43.4765	0.340	1513.6	199.	0.1404E 03	2.697
250.	14.851	36.008	67.56	5.01	14.8132	26.7829	43.6357	0.408	1511.5	248.	0.1328E 03	2.485
300.	14.087	35.898	67.69	4.96	14.0428	26.8641	43.7749	0.472	1509.8	298.	0.1263E 03	2.335
400.	12.914	35.738	67.88	4.73	12.8580	26.9830	43.9860	0.594	1507.4	397.	0.1171E 03	2.020
500.	11.863	35.605	67.94	4.81	11.7974	27.0860	44.1741	0.707	1505.3	496.	0.1091E 03	1.901
600.	11.054	35.528	68.08	4.55	10.9779	27.1778	44.3332	0.812	1504.1	595.	0.1021E 03	1.801
700.	10.582	35.546	68.17	4.36	10.4952	27.2769	44.4717	0.910	1504.1	694.	0.9450E 02	1.840
800.	10.250	35.634	68.27	4.20	10.1523	27.4044	44.6261	1.000	1504.7	793.	0.8432E 02	2.058
900.	9.699	35.651	68.30	4.16	9.5920	27.5128	44.7809	1.080	1504.4	892.	0.7543E 02	1.943
1000.	8.808	35.565	68.32	4.36	8.6952	27.5923	44.9380	1.151	1502.7	991.	0.6836E 02	1.767
1200.	7.869	35.562	68.38	4.72	7.7401	27.7352	45.1647	1.276	1502.5	1188.	0.5665E 02	1.628
1400.	6.309	35.360	68.47	5.26	6.1729	27.7971	45.3725	1.381	1499.5	1386.	0.4980E 02	1.321
1600.	5.552	35.278	68.55	5.50	5.4035	27.8289	45.4792	1.478	1499.8	1583.	0.4704E 02	0.984
1800.	4.812	35.182	68.64	5.66	4.6524	27.8414	45.5668	1.570	1500.0	1780.	0.4541E 02	0.848
2000.	4.209	35.103	68.64	5.75	4.0378	27.8464	45.6347	1.659	1500.8	1977.	0.4436E 02	0.753
2200.	3.783	35.053	68.68	5.74	3.5989	27.8514	45.6857	1.747	1502.3	2173.	0.4361E 02	0.689
2400.	3.468	35.019	68.64	5.73	3.2688	27.8560	45.7256	1.834	1504.3	2370.	0.4309E 02	0.638
2600.	3.169	34.987	68.68	5.73	2.9554	27.8594	45.7627	1.919	1506.4	2566.	0.4248E 02	0.630
2800.	2.941	34.963	68.70	5.74	2.7119	27.8609	45.7910	2.004	1508.8	2762.	0.4220E 02	0.565
3000.	2.809	34.950	68.69	5.70	2.5625	27.8627	45.8100	2.089	1511.6	2958.	0.4235E 02	0.484
3200.	2.686	34.936	68.75	5.69	2.4214	27.8626	45.8262	2.173	1514.4	3154.	0.4261E 02	0.453
3400.	2.600	34.926	68.77	5.69	2.3163	27.8625	45.8388	2.259	1517.5	3349.	0.4303E 02	0.412
3600.	2.534	34.917	68.79	5.71	2.2292	27.8611	45.8483	2.346	1520.6	3545.	0.4365E 02	0.363
3800.	2.491	34.911	68.83	5.72	2.1656	27.8598	45.8556	2.434	1523.9	3740.	0.4438E 02	0.327
4000.	2.456	34.905	68.83	5.74	2.1092	27.8577	45.8613	2.523	1527.1	3935.	0.4522E 02	0.295
4200.	2.427	34.900	68.85	5.81	2.0580	27.8563	45.8671	2.615	1530.5	4130.	0.4601E 02	0.307
4400.	2.403	34.894	68.83	5.85	2.0110	27.8536	45.8713	2.708	1533.8	4325.	0.4692E 02	0.270
4500.	2.403	34.894	68.81	5.88	1.9985	27.8534	45.8735	2.755	1535.5	4422.	0.4737E 02	0.266
4600.	2.406	34.893	68.67	5.88	1.9896	27.8523	45.8743	2.802	1537.3	4519.	0.4795E 02	0.178
4700.	2.416	34.892	68.53	5.89	1.9867	27.8510	45.8743	2.851	1539.1	4616.	0.4861E 02	0.039

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DISCOVERY 139 STATION 10825

P-DB	T-DRGC	SAL-PSU	POTRAN	DO-NL/L	POTENP	SIGMAT	SIG4000	DYNHT-H	SRDV-M/S	DEPTH-M	SVANOM	HYFR-C/HR
10.	21.555	36.746	63.01	4.94	21.5533	25.6718	42.0788	0.023	1527.8	10.	0.2312E 03	-9.990
20.	20.951	36.723	63.16	5.10	20.9468	25.8209	42.2631	0.046	1526.3	20.	0.2174E 03	6.882
30.	19.879	36.646	63.00	5.41	19.8736	26.0512	42.5576	0.067	1523.5	30.	0.1959E 03	8.548
50.	18.432	36.535	62.49	5.82	18.4235	26.3406	42.9376	0.102	1519.6	50.	0.1691E 03	6.777
75.	17.789	36.516	63.76	5.71	17.7758	26.4870	43.1258	0.143	1518.1	74.	0.1560E 03	4.325
100.	17.454	36.516	64.85	5.43	17.4369	26.5695	43.2307	0.181	1517.6	99.	0.1490E 03	3.258
125.	17.080	36.444	67.14	5.31	17.0591	26.6051	43.2931	0.218	1516.8	124.	0.1464E 03	2.167
150.	16.638	36.372	67.38	5.30	16.6131	26.6554	43.3750	0.254	1515.8	149.	0.1423E 03	2.571
200.	15.277	36.094	67.67	5.10	15.2463	26.7550	43.5742	0.323	1512.1	199.	0.1341E 03	2.579
250.	14.449	35.956	67.72	4.98	14.4113	26.8311	43.7130	0.388	1510.2	248.	0.1281E 03	2.261
300.	13.581	35.827	67.89	4.96	13.5384	26.9154	43.8640	0.451	1508.0	298.	0.1212E 03	2.385
400.	12.632	35.700	68.06	4.88	12.5773	27.0102	44.0348	0.568	1506.4	397.	0.1144E 03	1.808
500.	11.770	35.602	68.19	4.79	11.7044	27.1017	44.1970	0.679	1505.0	496.	0.1076E 03	1.789
600.	11.124	35.552	68.35	4.51	11.0479	27.1834	44.3327	0.784	1504.4	595.	0.1016E 03	1.694
700.	10.516	35.530	68.46	4.28	10.4292	27.2765	44.4769	0.882	1503.9	694.	0.9446E 02	1.803
800.	9.953	35.540	68.60	4.15	9.8572	27.3825	44.6302	0.972	1503.5	793.	0.8591E 02	1.916
900.	9.434	35.585	68.66	4.12	9.3284	27.5052	44.7965	1.053	1503.3	892.	0.7567E 02	2.052
1000.	9.107	35.631	68.66	4.18	8.9915	27.5956	44.9150	1.124	1503.9	991.	0.6865E 02	1.763
1200.	8.678	35.728	68.61	4.49	8.5417	27.7410	45.0986	1.250	1505.7	1188.	0.5807E 02	1.582
1400.	8.406	35.443	68.71	5.05	8.16644	27.7954	45.3247	1.359	1501.6	1386.	0.5144E 02	1.325
1600.	8.683	35.305	68.71	5.35	8.5325	27.8344	45.4720	1.457	1500.3	1583.	0.4700E 02	1.130
1800.	8.925	35.196	68.72	5.53	8.7640	27.8398	45.5543	1.550	1500.5	1780.	0.4601E 02	0.787
2000.	8.213	35.104	68.82	5.65	8.0418	27.8462	45.6341	1.640	1500.8	1977.	0.4440E 02	0.817
2200.	8.746	35.048	68.90	5.66	8.5625	27.8512	45.6891	1.728	1502.1	2173.	0.4344E 02	0.713
2400.	8.377	35.007	68.91	5.71	8.1798	27.8547	45.7334	1.814	1503.9	2370.	0.4270E 02	0.662
2600.	8.136	34.983	68.93	5.68	7.9232	27.8589	45.7655	1.899	1506.2	2566.	0.4232E 02	0.594
2800.	8.951	34.964	68.88	5.66	8.7222	27.8606	45.7897	1.984	1508.8	2762.	0.4229E 02	0.526
3000.	8.791	34.947	68.91	5.64	8.5447	27.8621	45.8112	2.068	1511.5	2958.	0.4228E 02	0.512
3200.	8.667	34.934	68.91	5.64	8.4024	27.8626	45.8282	2.153	1514.4	3154.	0.4246E 02	0.466
3400.	8.574	34.923	68.92	5.63	8.2904	27.8618	45.8409	2.238	1517.4	3349.	0.4289E 02	0.409
3600.	8.506	34.914	68.94	5.64	8.2026	27.8605	45.8505	2.325	1520.5	3545.	0.4347E 02	0.366
3800.	8.461	34.907	68.94	5.65	8.1366	27.8591	45.8578	2.412	1523.7	3740.	0.4419E 02	0.329
4000.	8.413	34.900	68.84	5.67	8.0670	27.8574	45.8653	2.501	1527.0	3935.	0.4485E 02	0.340

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DISCOVERY 139 STATION 10827												
P-DR	T-DEGC	SAL-PSU	POTRAN	DO-MI/L	POTEMP	SIGHIAT	SIG4000	DYRHT-H	SNDV-M/S	DEPTH-M	SVANOM	KVFR-C/HR
10.	21.753	36.673	61.59	4.96	21.7513	25.5603	41.9581	0.024	1528.2	10.	0.2418E 03	-9.990
20.	20.659	36.706	63.75	5.22	20.6554	25.8878	42.3470	0.047	1525.5	20.	0.2111E 03	10.186
30.	20.252	36.722	63.58	5.34	20.2462	26.0099	42.4928	0.068	1524.6	30.	0.1998E 03	6.222
50.	19.571	36.720	63.64	5.62	19.5616	26.1890	42.7129	0.106	1523.0	50.	0.1835E 03	5.338
75.	18.689	36.668	64.02	5.66	18.6755	26.3774	42.9569	0.150	1520.9	74.	0.1665E 03	4.903
100.	18.208	36.640	64.30	5.42	18.1906	26.4781	43.0892	0.190	1519.9	99.	0.1578E 03	3.598
125.	18.013	36.643	66.46	5.24	17.9912	26.5290	43.1534	0.229	1519.8	124.	0.1538E 03	2.569
150.	17.588	36.552	66.98	5.11	17.5629	26.5645	43.2189	0.267	1518.8	149.	0.1512E 03	2.177
200.	16.036	36.214	67.67	5.03	16.0037	26.6742	43.4397	0.340	1514.6	199.	0.1420E 03	2.707
250.	15.038	36.035	67.81	5.00	15.0000	26.7626	43.6018	0.409	1512.1	248.	0.1348E 03	2.434
300.	14.283	35.927	67.88	4.99	14.2382	26.8444	43.7408	0.475	1510.4	298.	0.1282E 03	2.344
400.	13.027	35.747	68.07	4.82	12.9708	26.9672	43.9618	0.598	1507.8	397.	0.1187E 03	2.054
500.	11.892	35.603	68.17	4.81	11.8260	27.0788	44.1648	0.712	1505.4	496.	0.1098E 03	1.774
600.	11.138	35.536	68.32	4.60	11.0621	27.1681	44.3168	0.818	1504.4	595.	0.1031E 03	1.474
700.	10.484	35.503	68.41	4.39	10.3979	27.2610	44.4646	0.918	1503.7	694.	0.9586E 02	1.807
800.	10.296	35.608	68.50	4.24	10.1981	27.3755	44.5943	1.009	1504.8	793.	0.8709E 02	1.939
900.	9.846	35.674	68.52	4.20	9.7377	27.5053	44.7611	1.091	1503.0	892.	0.7639E 02	2.096
1000.	8.997	35.618	68.53	4.34	8.8829	27.6035	44.9322	1.162	1503.5	991.	0.6770E 02	1.918
1200.	8.036	35.594	68.58	4.53	7.9034	27.7353	45.1499	1.287	1503.2	1188.	0.5705E 02	1.577
1400.	6.500	35.394	68.61	5.11	6.3618	27.7983	45.3559	1.394	1500.3	1386.	0.5026E 02	1.322
1600.	5.580	35.282	68.61	5.37	5.4311	27.8289	45.4765	1.491	1490.9	1583.	0.4714E 02	1.018
1800.	4.878	35.202	68.59	5.48	4.7171	27.8496	45.5683	1.583	1500.3	1780.	0.4492E 02	0.907
2000.	4.179	35.100	68.70	5.63	4.0080	27.8471	45.6384	1.672	1500.6	1977.	0.4415E 02	0.722
2200.	3.729	35.045	68.76	5.68	3.5459	27.8505	45.6901	1.760	1502.0	2173.	0.4342E 02	0.684
2400.	3.374	35.007	68.74	5.69	3.1766	27.8557	45.7346	1.846	1503.9	2370.	0.4260E 02	0.672
2600.	3.109	34.979	68.75	5.71	2.8970	27.8583	45.7676	1.931	1506.1	2566.	0.4221E 02	0.594
2800.	2.915	34.959	68.74	5.67	2.6862	27.8607	45.7934	2.015	1508.6	2762.	0.4205E 02	0.546
3000.	2.759	34.944	68.75	5.65	2.5137	27.8625	45.8148	2.099	1511.4	2958.	0.4203E 02	0.510
3200.	2.649	34.932	68.75	5.65	2.3851	27.8626	45.8299	2.183	1514.3	3154.	0.4234E 02	0.439
3400.	2.558	34.922	68.76	5.66	2.2747	27.8623	45.8430	2.268	1517.3	3349.	0.4271E 02	0.418
3600.	2.504	34.914	68.80	5.67	2.2007	27.8606	45.8508	2.354	1520.5	3545.	0.4344E 02	0.330
3800.	2.455	34.907	68.84	5.69	2.1302	27.8593	45.8587	2.442	1523.7	3740.	0.4412E 02	0.340
4000.	2.424	34.901	68.85	5.74	2.0783	27.8576	45.8643	2.531	1527.0	3935.	0.4494E 02	0.296
4200.	2.399	34.896	68.85	5.78	2.0305	27.8555	45.8692	2.622	1530.3	4130.	0.4581E 02	0.280
4400.	2.383	34.891	68.74	5.82	1.9912	27.8532	45.8730	2.714	1533.7	4325.	0.4675E 02	0.256
4500.	2.389	34.892	68.53	5.82	1.9852	27.8529	45.8743	2.761	1535.5	4422.	0.4728E 02	0.208
4600.	2.398	34.891	68.54	5.80	1.9819	27.8515	45.8743	2.809	1537.3	4519.	0.4794E 02	0.036

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P-DB	T-DEGC	SAL-PSU	POTRAN	DO=ML/L	POTRMP	SIGMAT	SIG4000	DYHNT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/HR
10.	21.621	36.582	63.35	5.00	21.6195	25.5286	41.9357	0.024	1527.8	10.	0.2449E 03	-9.990
20.	21.219	36.617	63.41	5.15	21.2153	25.6666	42.0961	0.049	1526.9	20.	0.2321E 03	6.623
30.	20.680	36.707	63.83	5.34	20.6739	25.8830	42.3415	0.071	1525.7	30.	0.2119E 03	8.277
50.	19.547	36.645	63.89	5.65	19.5375	26.1393	42.6654	0.111	1522.9	50.	0.1883E 03	6.373
75.	18.434	36.500	63.47	5.81	18.4205	26.3136	42.9128	0.155	1520.0	74.	0.1725E 03	4.731
100.	18.203	36.594	65.10	5.57	18.1855	26.4440	43.0564	0.197	1519.8	99.	0.1610E 03	4.080
125.	17.698	36.510	65.67	5.38	17.6769	26.5050	43.1522	0.236	1518.7	124.	0.1560E 03	2.820
150.	17.381	36.484	66.79	5.17	17.3556	26.5631	43.2322	0.275	1518.1	149.	0.1513E 03	2.748
200.	16.264	36.263	67.50	5.11	16.2313	26.6592	43.4084	0.349	1515.4	199.	0.1435E 03	2.529
250.	15.064	36.029	67.61	5.32	15.0254	26.7526	43.5902	0.419	1512.2	248.	0.1358E 03	2.508
300.	14.198	35.904	67.83	5.21	14.1539	26.8449	43.7478	0.485	1510.1	298.	0.1281E 03	2.488
400.	13.120	35.763	68.08	4.90	13.0640	26.9606	43.9480	0.608	1508.1	397.	0.1194E 03	1.990
500.	12.019	35.625	68.20	4.76	11.9526	27.0713	44.1472	0.723	1505.9	496.	0.1107E 03	1.967
600.	11.127	35.533	68.30	4.67	11.0509	27.1678	44.3174	0.830	1504.4	595.	0.1031E 03	1.849
700.	10.442	35.509	68.42	4.35	10.3559	27.2728	44.4796	0.929	1503.6	694.	0.9471E 02	1.912
800.	10.442	35.679	68.53	4.21	10.3427	27.4057	44.6111	1.018	1503.4	793.	0.8449E 02	2.061
900.	9.672	35.648	68.57	4.21	9.5649	27.5147	44.7851	1.098	1504.3	892.	0.7520E 02	1.980
1000.	8.863	35.584	68.54	4.35	8.7500	27.5983	44.9389	1.169	1502.9	991.	0.6791E 02	1.787
1200.	8.015	35.571	68.62	4.50	7.8847	27.7202	45.1372	1.294	1503.1	1188.	0.5840E 02	1.513
1400.	6.678	35.415	68.66	5.01	6.5381	27.7911	45.3323	1.404	1501.1	1386.	0.5146E 02	1.333
1600.	5.778	35.323	68.65	5.32	5.6267	27.8363	45.4649	1.504	1500.7	1583.	0.4715E 02	1.119
1800.	4.943	35.201	68.74	5.51	4.7817	27.8419	45.5546	1.597	1500.5	1780.	0.4589E 02	0.818
2000.	4.361	35.125	68.73	5.60	4.1874	27.8467	45.6201	1.688	1501.4	1977.	0.4502E 02	0.739
2200.	3.846	35.061	68.81	5.69	3.6610	27.8510	45.6790	1.776	1502.6	2173.	0.4397E 02	0.732
2400.	3.456	35.016	68.81	5.73	3.2579	27.8545	45.7252	1.864	1504.2	2370.	0.4317E 02	0.675
2600.	3.182	34.986	68.78	5.72	2.9686	27.8568	45.7588	1.950	1506.4	2566.	0.4279E 02	0.598
2800.	2.976	34.965	68.83	5.69	2.7461	27.8593	45.7859	2.035	1508.9	2762.	0.4257E 02	0.558
3000.	2.814	34.949	68.86	5.65	2.5674	27.8618	45.8086	2.120	1511.6	2958.	0.4247E 02	0.529
3200.	2.694	34.936	68.88	5.64	2.4293	27.8619	45.8248	2.205	1514.5	3154.	0.4273E 02	0.453
3400.	2.595	34.925	68.90	5.64	2.3105	27.8619	45.8389	2.291	1517.5	3349.	0.4304E 02	0.434
3600.	2.532	34.917	68.92	5.65	2.2278	27.8608	45.8482	2.378	1520.6	3545.	0.4366E 02	0.362
3800.	2.484	34.910	68.94	5.67	2.1589	27.8597	45.8562	2.466	1523.8	3740.	0.4433E 02	0.342
4000.	2.442	34.903	68.95	5.71	2.0951	27.8574	45.8624	2.555	1527.1	3935.	0.4511E 02	0.311
4200.	2.409	34.898	69.01	5.76	2.0404	27.8564	45.8691	2.646	1530.4	4130.	0.4582E 02	0.327
4400.	2.396	34.893	69.00	5.82	2.0041	27.8537	45.8722	2.739	1533.8	4325.	0.4684E 02	0.231
4500.	2.397	34.893	68.90	5.83	1.9930	27.8532	45.8738	2.786	1535.5	4422.	0.4733E 02	0.239
4600.	2.403	34.892	68.73	5.82	1.9866	27.8520	45.8744	2.833	1537.3	4510.	0.4794E 02	0.138
4700.	2.412	34.892	68.62	5.82	1.9827	27.8508	45.8746	2.882	1539.0	4616.	0.4857E 02	0.104

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DISCOVERY 139 STATION 10830

P-DB	T-DEGC	SAL-PSU	POTRAN	DO-M/L	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/HR
10.	21.422	36.750	63.77	5.00	21.4205	25.7112	42.1256	0.023	1527.4	10.	0.2275E 03	-9.990
20.	21.384	36.751	63.86	5.02	21.3805	25.7230	42.1401	0.045	1527.5	20.	0.2268E 03	1.976
30.	20.847	36.717	64.05	5.18	20.8415	25.8450	42.2938	0.068	1526.2	30.	0.2155E 03	6.227
50.	20.245	36.734	64.05	5.34	20.2355	26.0211	42.5053	0.109	1524.9	50.	0.1995E 03	5.294
75.	19.092	36.695	64.16	5.54	19.0783	26.2945	42.8491	0.156	1522.1	74.	0.1744E 03	5.904
100.	17.918	36.473	64.62	5.50	17.9005	26.4223	43.0554	0.198	1518.9	99.	0.1630E 03	4.053
125.	17.843	36.560	65.77	5.24	17.8213	26.5073	43.1443	0.238	1519.2	124.	0.1558E 03	3.300
150.	17.709	36.570	66.67	5.07	17.6830	26.5484	43.1948	0.276	1519.2	149.	0.1527E 03	2.313
200.	16.516	36.327	67.56	4.93	16.4829	26.6493	43.3805	0.351	1516.2	199.	0.1445E 03	2.591
250.	15.426	36.121	67.52	4.87	15.3869	26.7421	43.5529	0.421	1513.4	248.	0.1369E 03	2.496
300.	14.528	35.969	67.70	4.92	14.4827	26.8238	43.7020	0.488	1511.3	298.	0.1303E 03	2.351
400.	13.363	35.799	67.89	4.79	13.3061	26.9388	43.9077	0.613	1508.9	397.	0.1216E 03	1.988
500.	12.149	35.645	67.99	4.70	12.0817	27.0617	44.1274	0.730	1506.4	496.	0.1117E 03	2.069
600.	11.133	35.532	68.14	4.61	11.0567	27.1665	44.3156	0.838	1504.4	595.	0.1032E 03	1.929
700.	10.420	35.518	68.17	4.41	10.3338	27.2835	44.4918	0.937	1503.5	694.	0.9367E 02	2.012
800.	9.750	35.537	68.33	4.24	9.6553	27.4145	44.6785	1.025	1502.8	793.	0.8261E 02	2.123
900.	8.980	35.513	68.36	4.24	8.8779	27.5233	44.8534	1.103	1501.6	892.	0.7318E 02	1.979
1000.	8.746	35.581	68.37	4.34	8.6336	27.6142	44.9645	1.172	1502.5	991.	0.6620E 02	1.750
1200.	7.658	35.536	68.39	4.72	7.5304	27.7468	45.1950	1.292	1501.7	1188.	0.5505E 02	1.597
1400.	6.358	35.371	68.45	5.16	6.2213	27.7992	45.3700	1.397	1499.7	1386.	0.4975E 02	1.215
1600.	5.411	35.257	68.43	5.47	5.2644	27.8303	45.4940	1.493	1499.2	1583.	0.4642E 02	1.030
1800.	4.542	35.130	68.50	5.72	4.3860	27.8307	45.5828	1.585	1498.8	1780.	0.4529E 02	0.785
2000.	3.999	35.062	68.53	5.80	3.8308	27.8361	45.6456	1.674	1499.8	1977.	0.4433E 02	0.730
2200.	3.670	35.034	68.59	5.76	3.4879	27.8476	45.6932	1.762	1501.8	2173.	0.4338E 02	0.704
2400.	3.376	35.005	68.58	5.72	3.1792	27.8537	45.7324	1.848	1503.9	2370.	0.4279E 02	0.641
2600.	3.131	34.982	68.59	5.70	2.9188	27.8584	45.7655	1.933	1506.2	2566.	0.4234E 02	0.605
2800.	2.932	34.962	68.59	5.65	2.7028	27.8611	45.7921	2.017	1508.7	2762.	0.4212E 02	0.555
3000.	2.788	34.947	68.64	5.65	2.5421	27.8621	45.8114	2.102	1511.5	2958.	0.4226E 02	0.483
3200.	2.689	34.936	68.63	5.64	2.4240	27.8625	45.8259	2.187	1514.5	3154.	0.4264E 02	0.430
3400.	2.602	34.926	68.66	5.64	2.3175	27.8621	45.8383	2.272	1517.5	3349.	0.4308E 02	0.408
3600.	2.542	34.918	68.68	5.65	2.2372	27.8607	45.8471	2.359	1520.7	3545.	0.4375E 02	0.350
3800.	2.490	34.911	68.69	5.67	2.1649	27.8598	45.8556	2.447	1523.9	3740.	0.4438E 02	0.354
4000.	2.452	34.905	68.72	5.72	2.1049	27.8582	45.8622	2.537	1527.1	3935.	0.4514E 02	0.319
4200.	2.421	34.900	68.75	5.77	2.0520	27.8564	45.8679	2.628	1530.4	4130.	0.4594E 02	0.303
4400.	2.410	34.896	68.75	5.80	2.0174	27.8549	45.8719	2.721	1533.8	4325.	0.4687E 02	0.261
4500.	2.411	34.895	68.76	5.81	2.0066	27.8537	45.8729	2.768	1535.6	4422.	0.4743E 02	0.190
4600.	2.413	34.894	68.72	5.82	1.9963	27.8526	45.8739	2.816	1537.3	4519.	0.4800E 02	0.186
4700.	2.420	34.893	68.72	5.83	1.9907	27.8515	45.8744	2.864	1539.1	4616.	0.4861E 02	0.144
4800.	2.428	34.893	68.62	5.84	1.9862	27.8503	45.8748	2.913	1540.8	4713.	0.4924E 02	0.116
4900.	2.438	34.892	68.51	5.87	1.9831	27.8489	45.8748	2.962	1542.6	4811.	0.4990E 02	0.050
5000.	2.445	34.891	68.51	5.86	1.9775	27.8477	45.8754	3.013	1544.4	4908.	0.5052E 02	0.148

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DISCOVERY 139 STATION 10832

P-DR	T-DEGC	SAL-PSU	POTRAN	DO-ML/L	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/HR
10.	22.195	36.908	63.75	4.64	22.1925	25.6149	41.9832	0.024	1529.6	10.	0.2367E 03	-9.990
20.	21.348	36.887	64.22	4.90	21.3440	25.8369	42.2529	0.047	1527.5	20.	0.2159E 03	8.387
30.	20.999	36.889	64.72	5.09	20.9930	25.9345	42.3707	0.068	1526.8	30.	0.2070E 03	5.570
50.	19.386	36.795	64.69	5.56	19.3774	26.2946	42.8277	0.105	1522.6	50.	0.1735E 03	7.562
75.	18.509	36.707	65.51	5.59	18.4958	26.4531	43.0426	0.147	1520.4	74.	0.1593E 03	4.500
100.	18.133	36.671	66.03	5.35	18.1156	26.5208	43.1357	0.186	1519.7	99.	0.1537E 03	2.959
125.	17.950	36.663	66.35	5.19	17.9284	26.5598	43.1876	0.224	1519.6	124.	0.1508E 03	2.259
150.	17.879	36.662	66.93	5.09	17.8526	26.5770	43.2106	0.261	1519.8	149.	0.1501E 03	1.524
200.	16.711	36.412	67.73	4.89	16.6781	26.6687	43.3851	0.335	1516.9	199.	0.1427E 03	2.476
250.	15.385	36.128	67.74	4.88	15.3464	26.7565	43.5698	0.405	1513.3	248.	0.1355E 03	2.442
300.	14.648	36.003	67.76	4.78	14.6032	26.8241	43.6931	0.471	1511.7	298.	0.1303E 03	2.144
400.	13.249	35.804	67.96	4.66	13.1926	26.9661	43.9431	0.596	1508.6	397.	0.1189E 03	2.203
500.	12.178	35.661	68.08	4.62	12.1107	27.0685	44.1316	0.711	1506.5	496.	0.1111E 03	1.897
600.	11.304	35.572	68.26	4.43	11.2269	27.1660	44.3009	0.819	1505.0	595.	0.1035E 03	1.855
700.	10.560	35.520	68.40	4.17	10.4739	27.2604	44.4576	0.919	1504.0	694.	0.9602E 02	1.830
800.	9.869	35.506	68.49	3.88	9.7733	27.3706	44.6260	1.011	1503.2	793.	0.8689E 02	1.967
900.	9.632	35.600	68.50	3.85	9.5251	27.4840	44.7589	1.093	1504.1	892.	0.7800E 02	1.939
1000.	8.825	35.544	68.47	3.97	8.7119	27.5730	44.9179	1.167	1502.7	991.	0.7019E 02	1.835
1200.	8.316	35.618	68.52	4.22	8.1832	27.7111	45.1017	1.297	1504.2	1188.	0.5997E 02	1.555
1400.	7.147	35.493	68.56	4.74	7.0020	27.7868	45.2851	1.408	1503.0	1386.	0.5324E 02	1.331
1600.	5.823	35.330	68.59	5.18	5.6707	27.8366	45.4610	1.508	1500.9	1583.	0.4728E 02	1.245
1800.	5.000	35.213	68.57	5.37	4.8375	27.8448	45.5519	1.602	1500.8	1780.	0.4585E 02	0.838
2000.	4.365	35.124	68.65	5.52	4.1915	27.8455	45.6185	1.693	1501.4	1977.	0.4515E 02	0.722
2200.	3.782	35.047	68.70	5.66	3.5981	27.8461	45.6807	1.782	1502.3	2173.	0.4408E 02	0.732
2400.	3.421	35.010	68.74	5.63	3.2235	27.8533	45.7276	1.869	1504.1	2370.	0.4308E 02	0.698
2600.	3.136	34.981	68.70	5.64	2.9237	27.8569	45.7636	1.955	1506.2	2566.	0.4250E 02	0.623
2800.	2.921	34.958	68.71	5.64	2.6929	27.8590	45.7911	2.039	1508.7	2762.	0.4225E 02	0.560
3000.	2.790	34.946	68.78	5.60	2.5433	27.8617	45.8110	2.124	1511.5	2958.	0.4231E 02	0.497
3200.	2.681	34.935	68.76	5.59	2.4163	27.8622	45.8264	2.209	1514.4	3154.	0.4261E 02	0.445
3400.	2.597	34.925	68.80	5.59	2.3133	27.8619	45.8386	2.294	1517.5	3350.	0.4306E 02	0.405
3600.	2.532	34.917	68.82	5.62	2.2274	27.8606	45.8480	2.381	1520.6	3545.	0.4368E 02	0.362
3800.	2.486	34.910	68.84	5.64	2.1605	27.8596	45.8559	2.469	1523.8	3740.	0.4443E 02	0.342
4000.	2.452	34.904	68.90	5.68	2.1051	27.8577	45.8617	2.559	1527.1	3935.	0.4518E 02	0.299
4200.	2.419	34.899	68.90	5.71	2.0498	27.8561	45.8678	2.650	1530.4	4130.	0.4594E 02	0.314
4400.	2.405	34.896	68.90	5.74	2.0129	27.8548	45.8723	2.743	1533.8	4325.	0.4683E 02	0.275
4500.	2.406	34.894	68.88	5.76	2.0013	27.8534	45.8732	2.790	1535.6	4422.	0.4740E 02	0.178
4600.	2.411	34.893	68.90	5.75	1.9942	27.8523	45.8738	2.837	1537.3	4519.	0.4800E 02	0.153
4700.	2.416	34.892	68.87	5.78	1.9871	27.8510	45.8744	2.886	1539.1	4617.	0.4861E 02	0.145
4800.	2.425	34.892	68.69	5.78	1.9831	27.8497	45.8746	2.935	1540.8	4714.	0.4925E 02	0.095
4900.	2.438	34.891	68.72	5.76	1.9831	27.8480	45.8740	2.984	1542.6	4811.	0.4998E 02	-0.139

DISCOVERY 139 STATION 10842

P-DB	T-DEGC	SAL-PSU	POTRAN	DO-HL/L	POTEMP	SIGMAT	SIG4000	DYNHIT-H	SHDW-H/S	DEPTH-M	SVANOM	BVFR-C/HIR
10.	21.973	36.632	63.31	4.81	21.9712	25.4677	41.8543	0.025	1528.7	10.	0.2507E 03	-9.990
20.	21.579	36.628	63.11	4.80	21.5751	25.5743	41.9835	0.050	1527.9	20.	0.2409E 03	5.833
30.	20.677	36.626	62.97	5.20	20.6714	25.8218	42.2824	0.073	1525.6	30.	0.2177E 03	8.850
50.	19.155	36.533	62.82	5.57	19.1461	26.1546	42.7077	0.113	1521.7	50.	0.1868E 03	7.269
75.	18.088	36.453	62.96	5.59	18.0749	26.3646	42.9862	0.157	1518.9	74.	0.1676E 03	5.177
100.	17.189	36.333	63.02	5.29	17.1719	26.4934	43.1760	0.198	1516.6	99.	0.1562E 03	4.069
125.	16.787	36.286	65.71	5.22	16.7662	26.5538	43.2646	0.236	1515.7	124.	0.1512E 03	2.800
150.	16.488	36.250	66.75	5.13	16.4634	26.5969	43.3293	0.273	1515.2	149.	0.1478E 03	2.378
200.	15.939	36.204	67.40	4.97	15.9070	26.6890	43.4611	0.346	1514.3	198.	0.1406E 03	2.455
250.	14.533	35.949	67.47	5.25	14.4960	26.8074	43.6836	0.413	1510.4	248.	0.1304E 03	2.815
300.	13.928	35.877	67.76	4.97	13.8844	26.8812	43.8037	0.477	1509.2	298.	0.1246E 03	2.222
400.	12.642	35.695	67.94	4.91	12.5868	27.0040	44.0281	0.596	1506.4	397.	0.1149E 03	2.055
500.	11.770	35.599	68.11	4.72	11.7043	27.0993	44.1946	0.707	1505.0	496.	0.1078E 03	1.823
600.	10.931	35.519	68.18	4.56	10.8554	27.1932	44.3583	0.812	1503.7	595.	0.1005E 03	1.822
700.	10.424	35.545	68.30	4.24	10.3379	27.3043	44.5115	0.908	1503.6	694.	0.9173E 02	1.943
800.	9.892	35.586	68.37	4.18	9.7965	27.4288	44.6801	0.995	1503.4	793.	0.8149E 02	2.059
900.	9.514	35.650	68.41	4.10	9.4078	27.5431	44.8202	1.071	1503.7	892.	0.7228E 02	1.967
1000.	9.698	35.570	68.41	4.33	8.5857	27.6133	44.9679	1.141	1502.3	991.	0.6619E 02	1.667
1200.	7.451	35.482	68.55	4.70	7.3262	27.7342	45.2015	1.260	1500.8	1188.	0.5571E 02	1.557
1400.	6.502	35.405	68.59	4.97	6.3639	27.8065	45.3635	1.365	1500.4	1385.	0.4952E 02	1.275
1600.	5.684	35.307	68.61	5.20	5.5342	27.8356	45.4730	1.461	1500.3	1583.	0.4689E 02	0.978
1800.	4.835	35.192	68.60	5.45	4.6753	27.8468	45.5697	1.553	1500.1	1780.	0.4501E 02	0.876
2000.	4.174	35.096	68.66	5.57	4.0032	27.8443	45.6362	1.642	1500.6	1976.	0.4439E 02	0.703
2200.	3.722	35.042	68.68	5.62	3.5387	27.8484	45.6889	1.730	1502.0	2173.	0.4357E 02	0.695
2400.	3.387	35.005	68.71	5.63	3.1901	27.8523	45.7299	1.817	1503.0	2379.	0.4298E 02	0.641
2600.	3.146	34.983	68.69	5.64	2.9332	27.8581	45.7637	1.902	1506.3	2566.	0.4246E 02	0.616
2800.	2.956	34.964	68.71	5.56	2.7263	27.8607	45.7893	1.987	1508.8	2762.	0.4231E 02	0.545
3000.	2.803	34.948	68.73	5.59	2.5568	27.8619	45.8097	2.072	1511.6	2958.	0.4239E 02	0.496
3200.	2.694	34.936	68.77	5.59	2.4292	27.8615	45.8244	2.157	1514.5	3154.	0.4277E 02	0.430
3400.	2.614	34.926	68.81	5.57	2.3298	27.8611	45.8361	2.243	1517.5	3349.	0.4327E 02	0.396
3600.	2.547	34.918	68.86	5.61	2.2419	27.8603	45.8463	2.330	1520.7	3544.	0.4382E 02	0.378
3800.	2.501	34.911	68.89	5.62	2.1754	27.8588	45.8536	2.418	1523.9	3740.	0.4456E 02	0.328
4000.	2.465	34.905	68.92	5.64	2.1180	27.8570	45.8597	2.508	1527.2	3935.	0.4536E 02	0.308
4200.	2.441	34.901	68.93	5.67	2.0710	27.8558	45.8653	2.599	1530.5	4130.	0.4618E 02	0.302
4400.	2.425	34.897	68.92	5.72	2.0316	27.8542	45.8698	2.693	1533.9	4324.	0.4707E 02	0.275
4500.	2.422	34.895	68.92	5.73	2.0175	27.8531	45.8712	2.740	1535.6	4422.	0.4760E 02	0.220
4600.	2.422	34.894	68.92	5.76	2.0052	27.8521	45.8725	2.788	1537.4	4519.	0.4813E 02	0.217
4700.	2.429	34.893	68.91	5.78	1.9992	27.8508	45.8729	2.836	1539.1	4616.	0.4876E 02	0.122
4800.	2.433	34.892	68.83	5.80	1.9913	27.8495	45.8735	2.885	1540.9	4713.	0.4936E 02	0.159
4900.	2.444	34.892	68.84	5.83	1.9893	27.8482	45.8735	2.935	1542.7	4810.	0.5003E 02	0.042
5000.	2.452	34.891	68.81	5.82	1.9837	27.8469	45.8740	2.985	1544.4	4907.	0.5066E 02	0.132
5100.	2.458	34.890	68.74	5.88	1.9776	27.8460	45.8748	3.036	1546.2	5004.	0.5125E 02	0.177

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DISCOVERY 139 STATION 10834

P-DB	T-DEGC	SAL-PSU	POTRAN	DO-M/L	POTEMP	SIGMAT	SIG4000	DYNM1-I	SHDV-I/S	DEPTH-M	SVANOM	RVFR-C/HR
10.	22.051	36.814	63.01	4.89	22.0490	25.5838	41.9620	0.025	1529.1	10.	0.2396E 03	-9.990
20.	21.579	36.790	63.39	5.04	21.5746	25.6980	42.1035	0.048	1528.0	20.	0.2291E 03	6.032
30.	21.054	36.757	63.92	5.20	21.0478	25.8189	42.2550	0.070	1526.8	30.	0.2180E 03	6.188
50.	19.747	36.840	63.59	5.59	19.7383	26.2343	42.7449	0.110	1523.7	50.	0.1792E 03	8.118
75.	18.591	36.739	64.43	5.60	18.5779	26.4572	43.0410	0.152	1520.7	74.	0.1589E 03	5.332
100.	18.118	36.692	64.53	5.37	18.1010	26.5403	43.1556	0.191	1519.7	99.	0.1518E 03	3.273
125.	17.893	36.652	65.22	5.22	17.8710	26.5660	43.1976	0.228	1519.4	124.	0.1502E 03	1.850
150.	17.558	36.585	66.06	5.11	17.5320	26.5974	43.2529	0.266	1518.8	149.	0.1481E 03	2.046
200.	16.007	36.251	66.82	4.91	15.9754	26.7094	43.4757	0.337	1514.6	190.	0.1387E 03	2.733
250.	15.041	36.075	66.84	4.80	15.0031	26.7931	43.6311	0.405	1512.2	248.	0.1319E 03	2.373
300.	14.203	35.947	66.94	4.75	14.1585	26.8767	43.7782	0.469	1510.2	298.	0.1251E 03	2.372
400.	12.820	35.740	67.16	4.68	12.7651	27.0029	44.0127	0.589	1507.1	397.	0.1152E 03	2.086
500.	11.940	35.637	67.27	4.53	11.8733	27.0961	44.1777	0.700	1505.6	496.	0.1082E 03	1.805
600.	11.161	35.566	67.42	4.28	11.0849	27.1874	44.3334	0.805	1504.5	595.	0.1013E 03	1.793
700.	10.546	35.550	67.55	4.03	10.4591	27.2866	44.4842	0.902	1504.0	694.	0.9355E 02	1.857
800.	9.995	35.565	67.66	3.90	9.8990	27.3950	44.6387	0.992	1503.7	793.	0.8481E 02	1.934
900.	9.480	35.585	67.69	3.93	9.3747	27.4981	44.7856	1.072	1503.5	892.	0.7642E 02	1.895
1000.	9.063	35.613	67.70	4.10	8.9485	27.5888	44.9122	1.145	1503.7	991.	0.6919E 02	1.781
1200.	8.523	35.684	67.71	4.38	8.3878	27.7309	45.1026	1.272	1503.1	1188.	0.5272E 02	1.285
1400.	7.369	35.550	67.76	4.87	7.2218	27.7994	45.2771	1.383	1503.9	1386.	0.4693E 02	1.234
1600.	5.661	35.301	67.82	5.30	5.5113	27.8343	45.4740	1.481	1500.2	1583.	0.4590E 02	0.792
1800.	4.920	35.197	67.71	5.50	4.7588	27.8408	45.5558	1.574	1500.4	1780.	0.4428E 02	0.817
2000.	4.229	35.108	67.77	5.64	4.0574	27.8482	45.6345	1.664	1500.8	1977.	0.4282E 02	0.640
2200.	3.796	35.060	67.80	5.62	3.6119	27.8549	45.6877	1.751	1502.3	2173.	0.4336E 02	0.711
2400.	3.459	35.021	67.82	5.58	3.2604	27.8584	45.7287	1.837	1504.3	2370.	0.4282E 02	0.640
2600.	3.168	34.990	67.83	5.59	2.9546	27.8612	45.7645	1.923	1506.4	2566.	0.4231E 02	0.617
2800.	2.949	34.965	67.82	5.59	2.7196	27.8619	45.7912	2.007	1508.8	2762.	0.4216E 02	0.546
3000.	2.780	34.947	67.85	5.60	2.5338	27.8633	45.8134	2.091	1511.5	2958.	0.4210E 02	0.518
3200.	2.648	34.932	67.84	5.60	2.3836	27.8630	45.8306	2.176	1514.3	3154.	0.4228E 02	0.464
3400.	2.554	34.921	67.86	5.59	2.2709	27.8624	45.8434	2.261	1517.3	3349.	0.4268E 02	0.413
3600.	2.485	34.913	67.90	5.60	2.1816	27.8617	45.8538	2.346	1520.4	3545.	0.4319E 02	0.382
3800.	2.447	34.907	67.91	5.62	2.1227	27.8600	45.8601	2.434	1523.7	3740.	0.4399E 02	0.305
4000.	2.420	34.901	67.82	5.63	2.0740	27.8579	45.8651	2.522	1527.0	3935.	0.4487E 02	0.276
4200.	2.389	34.895	67.73	5.68	2.0208	27.8554	45.8701	2.613	1530.3	4130.	0.4572E 02	0.284

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(xiv)

DISCOVERY 139 STATION 10835

P-DB	T-DEGC	SAL-PSU	POTRAN	DO-HL/L	POTEMP	SIGMAT	SIG4000	DYNHT-M	SUDV-M/S	DEPTH-M	SVANOM	BVFR-C/HR
10.	21.838	36.572	63.80	4.89	21.8359	25.4599	41.8553	0.025	1528.3	10.	0.2514E 03	-9.990
20.	20.794	36.555	63.91	5.14	20.7899	25.7359	42.1909	0.049	1525.7	20.	0.2255E 03	9.355
30.	19.672	36.477	63.56	5.54	19.6667	25.9764	42.4989	0.070	1522.7	30.	0.2030E 03	8.731
50.	18.675	36.446	63.26	5.78	18.6660	26.2111	42.7954	0.109	1520.2	50.	0.1814E 03	6.106
75.	18.277	36.506	63.98	5.71	18.2635	26.3583	42.9669	0.153	1519.5	74.	0.1683E 03	4.333
100.	17.961	36.536	64.92	5.51	17.9441	26.4599	43.0887	0.193	1519.1	99.	0.1594E 03	3.609
125.	17.731	36.547	65.78	5.21	17.7099	26.5253	43.1696	0.232	1518.8	124.	0.1541E 03	2.906
150.	16.932	36.362	66.68	5.25	16.9070	26.5777	43.2785	0.270	1516.7	149.	0.1498E 03	2.640
200.	15.524	36.092	67.44	5.38	15.4925	26.6975	43.5001	0.343	1512.9	199.	0.1396E 03	2.817
250.	14.636	35.965	67.64	5.19	14.5983	26.7972	43.6659	0.411	1510.8	248.	0.1314E 03	2.572
300.	13.926	35.867	67.82	5.11	13.8826	26.8736	43.7966	0.474	1509.2	298.	0.1253E 03	2.267
400.	12.867	35.728	68.02	4.84	12.8117	26.9847	43.9914	0.595	1507.2	397.	0.1169E 03	1.951
500.	11.814	35.604	68.17	4.73	11.7486	27.0948	44.1866	0.708	1505.2	496.	0.1083E 03	1.959
600.	11.028	35.524	68.24	4.63	10.9518	27.1792	44.3367	0.813	1504.0	595.	0.1019E 03	1.733
700.	10.372	35.507	68.38	4.31	10.2859	27.2836	44.4960	0.911	1503.3	694.	0.9360E 02	1.904
800.	10.326	35.648	68.47	4.10	10.2279	27.4019	44.6172	1.000	1503.0	793.	0.8467E 02	1.952
900.	9.551	35.640	68.51	4.14	9.4452	27.5291	44.8093	1.079	1503.8	892.	0.7366E 02	2.119
1000.	8.626	35.542	68.49	4.30	8.5143	27.6027	44.9640	1.149	1502.0	991.	0.6703E 02	1.720
1200.	7.669	35.517	68.53	4.68	7.5418	27.7303	45.1780	1.271	1501.7	1188.	0.5661E 02	1.556
1400.	6.380	35.368	68.63	5.11	6.2430	27.7941	45.3629	1.378	1499.8	1386.	0.5029E 02	1.284
1600.	5.557	35.278	68.66	5.34	5.4080	27.8287	45.4785	1.474	1499.8	1583.	0.4708E 02	1.023
1800.	4.795	35.182	68.67	5.47	4.6354	27.8439	45.5708	1.566	1499.9	1780.	0.4511E 02	0.880
2000.	4.225	35.110	68.69	5.55	4.0540	27.8495	45.6361	1.656	1500.8	1977.	0.4415E 02	0.743
2200.	3.738	35.050	68.71	5.60	3.5546	27.8530	45.6917	1.743	1502.1	2173.	0.4323E 02	0.709
2400.	3.391	35.010	68.69	5.63	3.1935	27.8558	45.7330	1.829	1504.0	2370.	0.4268E 02	0.638
2600.	3.135	34.983	68.73	5.62	2.9220	27.8591	45.7659	1.914	1506.2	2566.	0.4229E 02	0.596
2800.	2.935	34.963	68.74	5.62	2.7065	27.8613	45.7919	1.998	1508.7	2762.	0.4213E 02	0.547
3000.	2.787	34.948	68.62	5.60	2.5410	27.8629	45.8124	2.083	1511.5	2958.	0.4218E 02	0.499
3200.	2.674	34.935	68.68	5.60	2.4091	27.8631	45.8280	2.167	1514.4	3154.	0.4247E 02	0.445
3400.	2.591	34.925	68.72	5.61	2.3074	27.8624	45.8397	2.253	1517.4	3349.	0.4297E 02	0.395
3600.	2.521	34.916	68.75	5.62	2.2168	27.8611	45.8496	2.339	1520.6	3545.	0.4354E 02	0.372
3800.	2.472	34.909	68.77	5.64	2.1467	27.8598	45.8574	2.427	1523.8	3740.	0.4422E 02	0.340
4000.	2.438	34.903	68.79	5.70	2.0911	27.8580	45.8634	2.516	1527.1	3935.	0.4502E 02	0.303
4200.	2.409	34.898	68.80	5.74	2.0397	27.8565	45.8691	2.607	1530.4	4130.	0.4581E 02	0.305
4400.	2.401	34.894	68.80	5.77	2.0082	27.8537	45.8717	2.700	1533.8	4325.	0.4688E 02	0.211
4500.	2.402	34.894	68.66	5.79	1.9973	27.8534	45.8736	2.747	1535.5	4422.	0.4736E 02	0.252
4600.	2.407	34.893	68.73	5.81	1.9907	27.8525	45.8744	2.794	1537.3	4519.	0.4794E 02	0.169
4700.	2.414	34.892	68.48	5.79	1.9853	27.8510	45.8745	2.843	1539.1	4616.	0.4859E 02	0.084

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DISCOVERY 139 STATION 10836

P-DB	T-DEGC	SAL-PSU	POTFRAN	DO-ML/L	POTEMP	SIGMAT	SIGC4000	DYNHT-H	SNDV-N/S	DEPTH-H	SVANOM	BVFR-C/HR
10.	22.067	36.795	62.98	4.71	22.0653	25.5650	41.9427	0.024	1529.2	10.	0.2414E 03	-9.990
20.	21.789	36.792	62.88	4.86	21.7853	25.6408	42.0346	0.048	1523.6	20.	0.2346E 03	4.922
30.	21.145	36.756	63.08	5.06	21.1395	25.7928	42.2238	0.071	1527.0	30.	0.2205E 03	6.941
50.	19.234	36.637	61.91	5.70	19.2254	26.2132	42.7591	0.111	1522.0	50.	0.1812E 03	8.168
75.	18.184	36.546	62.27	5.86	18.1705	26.4122	43.0257	0.154	1519.3	74.	0.1631E 03	5.041
100.	17.459	36.497	64.58	5.67	17.4419	26.5537	43.2150	0.193	1517.6	99.	0.1505E 03	4.256
125.	17.110	36.472	65.36	5.43	17.0894	26.6194	43.3048	0.229	1516.9	124.	0.1450E 03	2.917
150.	16.704	36.401	66.70	5.19	16.6795	26.6620	43.3785	0.265	1516.0	149.	0.1417E 03	2.368
200.	15.643	36.190	67.48	5.15	15.6116	26.7465	43.5387	0.334	1513.4	199.	0.1350E 03	2.377
250.	14.405	35.961	67.64	5.02	14.3677	26.8438	43.7287	0.400	1510.0	248.	0.1269E 03	2.560
300.	13.558	35.829	67.75	4.90	13.5152	26.9214	43.8716	0.462	1508.0	298.	0.1206E 03	2.292
400.	12.592	35.705	67.93	4.75	12.5377	27.0218	44.0493	0.579	1506.3	397.	0.1132E 03	1.858
500.	11.685	35.598	68.07	4.70	11.6192	27.1146	44.2164	0.688	1504.7	496.	0.1063E 03	1.804
600.	11.142	35.559	68.22	4.57	11.0661	27.1851	44.3328	0.792	1504.4	595.	0.1015E 03	1.575
700.	10.572	35.560	68.34	4.18	10.4848	27.2898	44.4850	0.889	1504.1	694.	0.9329E 02	1.898
800.	10.449	35.678	68.41	4.10	10.3497	27.4033	44.6082	0.978	1505.5	793.	0.8472E 02	1.923
900.	9.855	35.687	68.47	4.01	9.7469	27.5140	44.7687	1.058	1505.0	892.	0.7559E 02	1.968
1000.	9.005	35.602	68.51	4.15	8.8907	27.5891	44.9176	1.130	1503.5	991.	0.6905E 02	1.719
1200.	8.796	35.740	68.46	4.40	8.6586	27.7312	45.0789	1.258	1506.2	1188.	0.5925E 02	1.540
1400.	7.146	35.521	68.53	4.92	7.0015	27.8086	45.3062	1.369	1503.0	1386.	0.5121E 02	1.418
1600.	5.898	35.348	68.56	5.23	5.7449	27.8409	45.4580	1.468	1501.2	1583.	0.4715E 02	1.111
1800.	4.936	35.200	68.57	5.47	4.7747	27.8419	45.5553	1.561	1500.5	1780.	0.4386E 02	0.824
2000.	4.236	35.104	68.61	5.60	4.0644	27.8442	45.6300	1.651	1500.9	1977.	0.4467E 02	0.772
2200.	3.746	35.046	68.60	5.65	3.5624	27.8491	45.6871	1.740	1502.1	2173.	0.4363E 02	0.724
2400.	3.411	35.012	68.63	5.62	3.2132	27.8559	45.7311	1.826	1504.0	2370.	0.4279E 02	0.677
2600.	3.153	34.985	68.68	5.60	2.9404	27.8592	45.7649	1.911	1506.3	2566.	0.4240E 02	0.597
2800.	2.969	34.966	68.66	5.59	2.7398	27.8608	45.7880	1.996	1508.9	2762.	0.4240E 02	0.523
3000.	2.796	34.948	68.64	5.58	2.5492	27.8627	45.8113	2.081	1511.5	2958.	0.4226E 02	0.533
3200.	2.671	34.935	68.64	5.58	2.4063	27.8627	45.8279	2.166	1514.4	3154.	0.4248E 02	0.458
3400.	2.583	34.924	68.65	5.58	2.2997	27.8620	45.8401	2.251	1517.4	3349.	0.4295E 02	0.402
3600.	2.515	34.915	68.66	5.59	2.2113	27.8607	45.8498	2.317	1520.5	3545.	0.4353E 02	0.368
3800.	2.468	34.908	68.65	5.60	2.1430	27.8593	45.8574	2.425	1523.8	3740.	0.4423E 02	0.335
4000.	2.439	34.903	68.66	5.64	2.0924	27.8573	45.8626	2.514	1527.1	3935.	0.4510E 02	0.285
4200.	2.372	34.893	68.45	5.69	2.0040	27.8558	45.8722	2.605	1530.2	4130.	0.4552E 02	0.393

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P-DB	T-DEGC	SAL-PSU	POTRAN	DO-ML/L	POTEMP	SIGMAT	SIG4000	DYNHT-H	SNDV-H/S	DEPTH-H	SVANOM	BVFR-C/HR
10.	22.046	36.774	63.94	4.71	22.0437	25.5551	41.9345	0.024	1529.1	10.	0.2423E 03	-9.990
20.	21.976	36.777	63.98	4.76	21.9718	25.5772	41.9610	0.048	1529.1	20.	0.2406E 03	2.677
30.	21.179	36.753	64.00	4.97	21.1727	25.7811	42.2104	0.072	1527.1	30.	0.2216E 03	8.050
50.	19.874	36.674	63.99	5.43	19.8648	26.0736	42.5808	0.113	1523.8	50.	0.1945E 03	6.815
75.	18.039	36.439	63.46	5.69	18.0259	26.3664	42.9914	0.158	1518.8	74.	0.1675E 03	6.108
100.	18.257	36.665	64.02	5.43	18.2396	26.4848	43.0922	0.198	1520.1	99.	0.1571E 03	3.882
125.	17.327	36.452	65.98	5.27	17.3061	26.5512	43.2233	0.237	1517.5	124.	0.1515E 03	2.951
150.	16.830	36.351	66.63	5.07	16.8051	26.5935	43.3012	0.274	1516.3	149.	0.1482E 03	2.372
200.	15.720	36.155	67.57	4.86	15.6889	26.7017	43.4896	0.346	1513.6	199.	0.1393E 03	2.673
250.	14.741	36.003	67.72	4.84	14.7035	26.8033	43.6637	0.414	1511.2	248.	0.1309E 03	2.598
300.	13.972	35.885	67.86	4.83	13.9278	26.8783	43.7976	0.478	1509.4	298.	0.1249E 03	2.251
400.	12.689	35.709	67.95	4.80	12.6342	27.0055	44.0257	0.597	1506.6	397.	0.1148E 03	2.088
500.	11.782	35.612	68.04	4.60	11.7166	27.1069	44.2010	0.708	1505.1	496.	0.1071E 03	1.878
600.	11.090	35.561	68.17	4.27	11.0135	27.1966	44.3483	0.812	1504.3	595.	0.1004E 03	1.771
700.	10.463	35.543	68.29	3.98	10.3765	27.2960	44.5003	0.908	1503.7	694.	0.9255E 02	1.860
800.	9.951	35.571	68.39	3.85	9.8550	27.4069	44.6540	0.996	1503.5	793.	0.8363E 02	1.949
900.	9.085	35.505	68.43	3.90	8.9821	27.5003	44.8220	1.075	1502.0	892.	0.7552E 02	1.866
1000.	8.694	35.552	68.41	4.03	8.5817	27.5999	44.9554	1.146	1502.2	991.	0.6742E 02	1.854
1200.	8.106	35.603	68.37	4.36	7.9745	27.7322	45.1407	1.271	1503.4	1188.	0.5751E 02	1.534
1400.	6.867	35.462	68.46	4.85	6.7252	27.8019	45.3253	1.379	1501.8	1386.	0.5102E 02	1.309
1600.	5.637	35.295	68.52	5.31	5.4878	27.8322	45.4742	1.476	1500.1	1583.	0.4704E 02	1.095
1800.	4.782	35.180	68.55	5.55	4.6228	27.8434	45.5716	1.568	1499.9	1780.	0.4510E 02	0.879
2000.	4.195	35.096	68.62	5.67	4.0240	27.8419	45.6318	1.658	1500.7	1977.	0.44470E 02	0.674
2200.	3.731	35.045	68.60	5.71	3.5481	27.8496	45.6891	1.746	1502.1	2173.	0.4350E 02	0.740
2400.	3.391	35.009	68.62	5.69	3.1940	27.8551	45.7323	1.832	1504.0	2370.	0.4275E 02	0.664
2600.	3.155	34.986	68.67	5.64	2.9423	27.8596	45.7642	1.917	1506.3	2566.	0.4237E 02	0.595
2800.	2.933	34.963	68.64	5.63	2.7042	27.8618	45.7926	2.001	1508.7	2762.	0.4207E 02	0.569
3000.	2.776	34.946	68.65	5.63	2.5298	27.8627	45.8133	2.085	1511.4	2958.	0.4212E 02	0.500
3200.	2.650	34.932	68.63	5.62	2.3855	27.8625	45.8299	2.170	1514.3	3154.	0.4234E 02	0.457
3400.	2.561	34.922	68.64	5.62	2.2779	27.8621	45.8425	2.255	1517.3	3349.	0.4276E 02	0.410
3600.	2.507	34.914	68.70	5.63	2.2031	27.8607	45.8506	2.341	1520.5	3545.	0.4346E 02	0.338
3800.	2.463	34.907	68.69	5.65	2.1380	27.8589	45.8575	2.429	1523.7	3740.	0.4422E 02	0.317
4000.	2.427	34.901	68.71	5.67	2.0808	27.8574	45.8639	2.519	1527.0	3935.	0.4498E 02	0.313
4200.	2.396	34.895	68.65	5.74	2.0272	27.8554	45.8694	2.609	1530.3	4130.	0.4578E 02	0.300

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DISCOVERY 139 STATION 10839

P-DB	T-DEGC	SAI-PSU	POTRAN	DO-MI/L	POTEIIP	SIGMAT	SIG4000	DYNHT-H	SNDV-II/S	DEPTH-H	SVAROM	BVFR-C/HR
10.	22.104	36.678	63.52	4.75	22.1019	25.4657	41.8441	0.025	1529.1	10.	0.2508E 03	-9.990
20.	21.854	36.647	63.56	4.88	21.8504	25.5121	41.9056	0.050	1528.6	20.	0.2468E 03	3.853
30.	20.689	36.586	63.66	5.16	20.6834	25.7882	42.2490	0.073	1525.6	30.	0.2209E 03	9.355
50.	19.051	36.479	63.16	5.62	19.0423	26.1390	42.6997	0.114	1521.3	50.	0.1882E 03	7.463
75.	18.154	36.450	63.40	5.67	18.1408	26.3458	42.9635	0.159	1519.1	74.	0.1694E 03	5.136
100.	17.644	36.412	64.42	5.50	17.6272	26.4427	43.0945	0.200	1518.0	99.	0.1610E 03	3.529
125.	17.320	36.418	65.71	5.25	17.2990	26.5270	43.2004	0.239	1517.5	124.	0.1538E 03	3.294
150.	16.687	36.305	66.97	5.18	16.6622	26.5917	43.3098	0.277	1515.9	149.	0.1484E 03	2.910
200.	15.506	36.084	67.51	5.28	15.4751	26.6957	43.4997	0.349	1512.8	199.	0.1398E 03	2.626
250.	14.647	35.962	67.72	5.09	14.6095	26.7921	43.6601	0.417	1510.8	248.	0.1319E 03	2.529
300.	13.898	35.865	67.87	4.96	13.8539	26.8782	43.8033	0.481	1509.1	298.	0.1248E 03	2.401
400.	12.745	35.709	68.08	4.78	12.6896	26.9947	44.0108	0.601	1506.8	397.	0.1159E 03	1.999
500.	11.825	35.602	68.20	4.64	11.7590	27.0909	44.1820	0.713	1505.2	496.	0.1086E 03	1.834
600.	11.020	35.522	68.31	4.55	10.9440	27.1794	44.3376	0.818	1504.0	595.	0.1019E 03	1.772
700.	10.272	35.489	68.38	4.27	10.1865	27.2871	44.5078	0.916	1502.9	694.	0.9314E 02	1.941
800.	10.097	35.601	68.45	4.12	10.0002	27.4051	44.6398	1.005	1504.1	793.	0.8401E 02	1.966
900.	9.457	35.595	68.46	4.13	9.3513	27.5097	44.7988	1.084	1503.4	892.	0.7529E 02	1.926
1000.	9.027	35.641	68.48	4.25	8.9121	27.6166	44.9423	1.155	1503.6	991.	0.6653E 02	1.921
1200.	7.696	35.522	68.43	4.64	7.5689	27.7300	45.1753	1.278	1501.8	1188.	0.5670E 02	1.529
1400.	6.635	35.411	68.46	4.95	6.4952	27.7932	45.3383	1.385	1500.9	1386.	0.5114E 02	1.238
1600.	5.583	35.278	68.57	5.24	5.4340	27.8258	45.4733	1.482	1499.9	1583.	0.4744E 02	1.068
1800.	4.930	35.195	68.59	5.38	4.7687	27.8385	45.5526	1.575	1500.5	1780.	0.4615E 02	0.817
2000.	4.259	35.107	68.66	5.48	4.0868	27.8441	45.6277	1.666	1501.0	1977.	0.4479E 02	0.791
2200.	3.774	35.050	68.76	5.50	3.5896	27.8499	45.6852	1.754	1502.2	2173.	0.4369E 02	0.732
2400.	3.390	35.007	68.78	5.57	3.1922	27.8534	45.7308	1.841	1503.9	2370.	0.4290E 02	0.671
2600.	3.148	34.980	68.77	5.58	2.9355	27.8553	45.7607	1.927	1506.3	2566.	0.4272E 02	0.564
2800.	2.930	34.956	68.75	5.58	2.7014	27.8566	45.7880	2.012	1508.7	2762.	0.4252E 02	0.554
3000.	2.793	34.947	68.77	5.57	2.5517	27.8612	45.8097	2.097	1511.5	2958.	0.4241E 02	0.526
3200.	2.673	34.934	68.78	5.53	2.4088	27.8622	45.8271	2.181	1514.4	3154.	0.4255E 02	0.474
3400.	2.590	34.924	68.80	5.53	2.3062	27.8614	45.8388	2.267	1517.4	3349.	0.4305E 02	0.394
3600.	2.518	34.915	68.83	5.56	2.2140	27.8607	45.8495	2.354	1520.5	3545.	0.4355E 02	0.386
3800.	2.472	34.908	68.86	5.58	2.1475	27.8589	45.8566	2.441	1523.8	3740.	0.4430E 02	0.322
4000.	2.435	34.902	68.88	5.62	2.0890	27.8571	45.8628	2.531	1527.1	3935.	0.4508E 02	0.310
4200.	2.411	34.897	68.89	5.67	2.0424	27.8553	45.8678	2.622	1530.4	4130.	0.4594E 02	0.285
4400.	2.397	34.893	68.87	5.71	2.0046	27.8531	45.8715	2.715	1533.8	4325.	0.4689E 02	0.253
4500.	2.399	34.892	68.84	5.72	1.9947	27.8525	45.8730	2.762	1535.5	4422.	0.4741E 02	0.222
4600.	2.404	34.892	68.73	5.74	1.9872	27.8516	45.8739	2.809	1537.3	4519.	0.4798E 02	0.180
4700.	2.412	34.891	68.58	5.75	1.9832	27.8505	45.8743	2.858	1539.0	4616.	0.4861E 02	0.112

DISCOVERY 139 STATION 10840

P-DB	T-DEGC	SAL-PSU	POTRAN	DO-ML/L	POTEIP	SIGMAT	SIGC4000	DYHT-H	SRDV-H/S	DEPTH-H	SVANON	BVFR-C/HR
10.	22.105	36.749	63.75	5.08	22.1030	25.5193	41.8960	0.025	1529.2	10.	0.2458E 03	-9.990
20.	21.792	36.760	63.71	5.08	21.7883	25.6158	42.0101	0.049	1528.6	20.	0.2369E 03	5.551
30.	20.963	36.758	63.71	5.22	20.9573	25.8442	42.2854	0.071	1526.5	30.	0.2156E 03	8.503
50.	19.051	36.615	63.11	5.81	19.0418	26.2450	42.8024	0.110	1521.5	50.	0.1782E 03	7.977
75.	17.852	36.513	62.37	5.84	17.8386	26.4694	43.1043	0.152	1518.3	74.	0.1577E 03	5.351
100.	17.565	36.526	64.05	5.54	17.5480	26.5500	43.2039	0.190	1517.9	99.	0.1509E 03	3.218
125.	17.160	36.472	66.10	5.36	17.1394	26.6068	43.2890	0.228	1517.1	124.	0.1462E 03	2.720
150.	16.627	36.357	66.94	5.27	16.6021	26.6462	43.3669	0.264	1515.7	149.	0.1432E 03	2.291
200.	15.721	36.184	67.31	5.10	15.6899	26.7237	43.5108	0.334	1513.6	198.	0.1372E 03	2.275
250.	14.715	35.993	67.44	5.02	14.6769	26.8011	43.6637	0.401	1511.1	248.	0.1311E 03	2.289
300.	13.952	35.868	67.60	4.99	13.9085	26.8694	43.7905	0.465	1509.3	298.	0.1257E 03	2.154
400.	12.800	35.716	67.82	4.88	12.7444	26.9887	44.0007	0.586	1507.0	397.	0.1165E 03	2.022
500.	11.910	35.619	67.86	4.68	11.8439	27.0881	44.1724	0.699	1505.5	496.	0.1090E 03	1.859
600.	11.229	35.559	68.02	4.54	11.1520	27.1691	44.3102	0.805	1504.7	595.	0.1031E 03	1.691
700.	10.737	35.570	68.14	4.20	10.6498	27.2676	44.4497	0.905	1504.7	694.	0.9558E 02	1.837
800.	10.448	35.638	68.22	4.02	10.3495	27.3724	44.5784	0.997	1505.4	793.	0.8761E 02	1.872
900.	9.764	35.632	68.31	3.86	9.6565	27.4868	44.7502	1.080	1504.6	892.	0.7797E 02	2.009
1000.	9.701	35.737	68.33	3.97	9.5817	27.5797	44.8484	1.154	1506.2	991.	0.7128E 02	1.739
1200.	8.670	35.693	68.39	4.32	8.5341	27.7146	45.0739	1.285	1505.7	1188.	0.6049E 02	1.599
1400.	7.326	35.531	68.50	4.83	7.1796	27.7913	45.2732	1.397	1503.7	1385.	0.5334E 02	1.365
1600.	6.001	35.348	68.45	5.16	5.8475	27.8281	45.4359	1.497	1501.6	1583.	0.4868E 02	1.160
1800.	4.978	35.209	68.62	5.42	4.8159	27.8434	45.5527	1.592	1500.7	1780.	0.4589E 02	0.969
2000.	4.321	35.118	68.60	5.52	4.1486	27.8459	45.6232	1.683	1501.2	1976.	0.4491E 02	0.752
2200.	3.904	35.070	68.68	5.54	3.7180	27.8520	45.6742	1.772	1502.8	2173.	0.4416E 02	0.696
2400.	3.507	35.023	68.72	5.55	3.3079	27.8550	45.7206	1.859	1504.5	2370.	0.4340E 02	0.674
2600.	3.214	34.992	68.66	5.54	2.9995	27.8585	45.7573	1.945	1506.6	2566.	0.4283E 02	0.628
2800.	2.996	34.969	68.70	5.54	2.7660	27.8607	45.7852	2.031	1509.0	2762.	0.4258E 02	0.565
3000.	2.830	34.950	68.72	5.55	2.5830	27.8609	45.8061	2.116	1511.7	2958.	0.4266E 02	0.499
3200.	2.704	34.937	68.71	5.54	2.4387	27.8620	45.8239	2.201	1514.5	3154.	0.4279E 02	0.478
3400.	2.609	34.926	68.75	5.54	2.3242	27.8613	45.8369	2.287	1517.5	3349.	0.4321E 02	0.415
3600.	2.539	34.916	68.79	5.55	2.2341	27.8599	45.8467	2.374	1520.6	3545.	0.4379E 02	0.370
3800.	2.485	34.909	68.78	5.56	2.1593	27.8588	45.8552	2.462	1523.8	3740.	0.4442E 02	0.354
4000.	2.442	34.902	68.76	5.53	2.0949	27.8570	45.8620	2.552	1527.1	3935.	0.4515E 02	0.325

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DISCOVERY 139 STATION 10841

P-DB	T-DECC	SAL-PSU	POTRAN	DO-HL/L	POTEMP	SIGMAI	SIG4000	DYHHT-M	SNIV-M/S	DEPTH-M	SVANOMI	RVFR-C/HR
10.	22.200	36.834	26.36	4.80	22.1980	25.5570	41.9266	0.024	1529.6	10.	0.2422E 03	-0.990
20.	22.111	36.829	47.68	4.86	22.1068	25.5781	41.9333	0.048	1529.5	20.	0.2400E 03	2.616
30.	20.694	36.712	62.17	5.22	20.6882	25.8821	42.3399	0.071	1525.8	30.	0.2119E 03	9.828
50.	19.219	36.646	62.27	5.76	19.2096	26.2243	42.7709	0.110	1522.0	50.	0.1802E 03	7.363
75.	18.072	36.592	62.68	5.78	18.0589	26.4754	43.0946	0.151	1519.0	74.	0.1571E 03	5.656
100.	17.505	36.526	63.56	5.40	17.4881	26.5649	43.2226	0.190	1517.7	99.	0.1494E 03	3.396
125.	17.166	36.477	66.36	5.30	17.1448	26.6099	43.2916	0.227	1517.1	124.	0.1459E 03	2.427
150.	16.454	36.325	67.16	5.17	16.4292	26.6628	43.3955	0.263	1515.2	149.	0.1416E 03	2.646
200.	15.672	36.177	67.38	5.03	15.6401	26.7297	43.5202	0.332	1513.4	198.	0.1366E 03	2.117
250.	14.704	35.999	67.57	4.96	14.6666	26.8088	43.6718	0.399	1511.0	248.	0.1303E 03	2.310
300.	14.069	35.899	67.68	4.86	14.0249	26.8685	43.7806	0.463	1509.7	298.	0.1258E 03	2.016
400.	12.849	35.733	67.85	4.77	12.7937	26.9919	43.9998	0.583	1507.2	397.	0.1162E 03	2.056
500.	11.933	35.622	67.96	4.74	11.8665	27.0859	44.1683	0.696	1505.6	496.	0.1092E 03	1.815
600.	11.252	35.561	68.10	4.54	11.1748	27.1668	44.3061	0.802	1504.8	595.	0.1033E 03	1.691
700.	10.628	35.530	68.29	4.24	10.5412	27.2558	44.4475	0.902	1504.3	694.	0.09654E 02	1.768
800.	9.899	35.516	68.38	3.82	9.8029	27.3727	44.6255	0.993	1503.3	793.	0.08674E 02	2.024
900.	9.260	35.521	68.42	3.84	9.1558	27.4840	44.7911	1.075	1502.6	892.	0.07734E 02	1.979
1000.	9.002	35.573	68.45	4.00	8.8879	27.5674	44.8970	1.149	1503.4	991.	0.07106E 02	1.687
1200.	7.978	35.569	68.47	4.51	7.8476	27.7250	45.1452	1.278	1502.9	1188.	0.05786E 02	1.707
1400.	6.632	35.403	68.54	5.00	6.4924	27.7874	45.3331	1.387	1500.9	1385.	0.05166E 02	1.285
1500.	5.689	35.304	68.61	5.23	5.5386	27.8328	45.4700	1.486	1500.3	1583.	0.04716E 02	1.131
1800.	4.965	35.207	68.61	5.38	4.8030	27.8437	45.5342	1.579	1500.6	1780.	0.04581E 02	0.826
2000.	4.287	35.114	68.63	5.51	4.1149	27.8467	45.6273	1.669	1501.1	1976.	0.04469E 02	0.767
2200.	3.826	35.060	68.76	5.54	3.6414	27.8520	45.6819	1.757	1502.5	2173.	0.04377E 02	0.713
2400.	3.434	35.015	68.78	5.58	3.2354	27.8558	45.7287	1.843	1504.1	2370.	0.04292E 02	0.681
2600.	3.166	34.986	68.75	5.59	2.9524	27.8585	45.7621	1.929	1506.3	2566.	0.04254E 02	0.597
2800.	2.962	34.965	68.75	5.59	2.7321	27.8605	45.7885	2.014	1508.8	2762.	0.04237E 02	0.550
3000.	2.808	34.949	68.78	5.57	2.5613	27.8622	45.8096	2.098	1511.6	2958.	0.04239E 02	0.506
3200.	2.691	34.937	68.79	5.56	2.4258	27.8626	45.8257	2.183	1514.5	3154.	0.04265E 02	0.454
3400.	2.595	34.925	68.80	5.57	2.3105	27.8619	45.8389	2.269	1517.5	3349.	0.04304E 02	0.418
3600.	2.527	34.916	68.82	5.58	2.2233	27.8609	45.8487	2.356	1520.6	3545.	0.04361E 02	0.372
3800.	2.476	34.909	68.85	5.60	2.1508	27.8590	45.8563	2.444	1523.8	3740.	0.04433E 02	0.332
4000.	2.445	34.904	68.83	5.62	2.0982	27.8578	45.8625	2.533	1527.1	3935.	0.04511E 02	0.309
4200.	2.420	34.899	68.84	5.68	2.0506	27.8558	45.8674	2.624	1530.4	4130.	0.04598E 02	0.282
4400.	2.397	34.893	68.91	5.73	2.0052	27.8535	45.8718	2.717	1533.8	4324.	0.04687E 02	0.274
4500.	2.400	34.893	68.85	5.73	1.9959	27.8533	45.8736	2.764	1535.5	4422.	0.04735E 02	0.246
4600.	2.405	34.893	68.61	5.75	1.9884	27.8523	45.8744	2.812	1537.3	4519.	0.04794E 02	0.165

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DISCOVERY 139 STATION 10842

P-DB	T-DEGC	SAL-PSU	POTRAN	DO-HL/L	POTEMP	SIGMAT	SIG4000	DYRHT-H	SHDW-H/S	DEPTH-M	SVANOM	BVFR-C/HIR
10.	21.973	36.632	63.31	4.81	21.9712	25.4677	41.8543	0.025	1528.7	10.	0.2507E 03	-9.990
20.	21.579	36.628	63.11	4.80	21.5751	25.5743	41.9835	0.050	1527.9	20.	0.2409E 03	5.833
30.	20.677	36.626	62.97	5.20	20.6714	25.8218	42.2824	0.073	1525.6	30.	0.2177E 03	8.850
50.	19.155	36.533	62.82	5.57	19.1461	26.1546	42.7077	0.113	1521.7	50.	0.1868E 03	7.269
75.	18.088	36.453	62.96	5.59	18.0749	26.3646	42.9862	0.157	1518.9	74.	0.1676E 03	5.177
100.	17.189	36.333	63.02	5.29	17.1719	26.4934	43.1760	0.198	1516.6	99.	0.1562E 03	4.069
125.	16.787	36.286	65.71	5.22	16.7662	26.5538	43.2646	0.236	1515.7	124.	0.1512E 03	2.800
150.	16.488	36.250	66.75	5.13	16.4634	26.5969	43.3293	0.273	1515.2	149.	0.1478E 03	2.378
200.	15.939	36.204	67.40	4.97	15.9070	26.6890	43.4611	0.346	1514.3	198.	0.1406E 03	2.455
250.	14.533	35.949	67.47	5.25	14.4960	26.8074	43.6836	0.413	1510.4	248.	0.1304E 03	2.815
300.	13.928	35.877	67.76	4.97	13.8844	26.8812	43.8037	0.477	1509.2	298.	0.1246E 03	2.222
400.	12.642	35.695	67.94	4.91	12.5868	27.0040	44.0281	0.596	1506.4	397.	0.1149E 03	2.055
500.	11.770	35.599	68.11	4.72	11.7043	27.0993	44.1946	0.707	1505.0	496.	0.1078E 03	1.823
600.	10.931	35.519	68.18	4.56	10.8554	27.1932	44.3583	0.812	1503.7	595.	0.1005E 03	1.822
700.	10.424	35.545	68.30	4.24	10.3379	27.3043	44.5115	0.908	1503.6	694.	0.9173E 02	1.943
800.	9.892	35.586	68.37	4.18	9.7965	27.4288	44.6801	0.995	1503.4	793.	0.8149E 02	2.059
900.	9.514	35.650	68.41	4.10	9.4078	27.5431	44.8202	1.071	1503.7	892.	0.7228E 02	1.967
1000.	9.698	35.570	68.41	4.33	8.5857	27.6133	44.9679	1.141	1502.3	991.	0.6619E 02	1.667
1200.	7.451	35.482	68.55	4.70	7.3262	27.7342	45.2015	1.260	1500.8	1188.	0.5571E 02	1.557
1400.	6.502	35.405	68.59	4.97	6.3639	27.8065	45.3635	1.365	1500.4	1385.	0.4952E 02	1.275
1600.	5.684	35.307	68.61	5.20	5.5342	27.8356	45.4730	1.461	1500.3	1583.	0.4689E 02	0.978
1800.	4.835	35.192	68.60	5.45	4.6753	27.8468	45.5697	1.553	1500.1	1780.	0.4501E 02	0.876
2000.	4.174	35.096	68.66	5.57	4.0032	27.8443	45.6362	1.642	1500.6	1976.	0.4439E 02	0.703
2200.	3.722	35.042	68.68	5.62	3.5387	27.8484	45.6889	1.730	1502.0	2173.	0.4357E 02	0.695
2400.	3.387	35.005	68.71	5.63	3.1901	27.8523	45.7299	1.817	1503.0	2379.	0.4298E 02	0.641
2600.	3.146	34.983	68.69	5.64	2.9332	27.8581	45.7637	1.902	1506.3	2566.	0.4246E 02	0.616
2800.	2.956	34.964	68.71	5.56	2.7263	27.8607	45.7893	1.987	1508.8	2762.	0.4231E 02	0.545
3000.	2.803	34.948	68.73	5.59	2.5568	27.8619	45.8097	2.072	1511.6	2958.	0.4239E 02	0.496
3200.	2.694	34.936	68.77	5.59	2.4292	27.8615	45.8244	2.157	1514.5	3154.	0.4277E 02	0.430
3400.	2.614	34.926	68.81	5.57	2.3298	27.8611	45.8361	2.243	1517.5	3349.	0.4327E 02	0.396
3600.	2.547	34.918	68.86	5.61	2.2419	27.8603	45.8463	2.330	1520.7	3544.	0.4382E 02	0.378
3800.	2.501	34.911	68.89	5.62	2.1754	27.8588	45.8536	2.418	1523.9	3740.	0.4456E 02	0.328
4000.	2.465	34.905	68.92	5.64	2.1180	27.8570	45.8597	2.508	1527.2	3935.	0.4536E 02	0.308
4200.	2.441	34.901	68.93	5.67	2.0710	27.8558	45.8653	2.599	1530.5	4130.	0.4618E 02	0.302
4400.	2.425	34.897	68.92	5.72	2.0316	27.8542	45.8698	2.693	1533.9	4324.	0.4707E 02	0.275
4500.	2.422	34.895	68.92	5.73	2.0175	27.8531	45.8712	2.740	1535.6	4422.	0.4760E 02	0.220
4600.	2.422	34.894	68.92	5.76	2.0052	27.8521	45.8725	2.788	1537.4	4519.	0.4813E 02	0.217
4700.	2.429	34.893	68.91	5.78	1.9992	27.8508	45.8729	2.836	1539.1	4616.	0.4876E 02	0.122
4800.	2.433	34.892	68.83	5.80	1.9913	27.8495	45.8735	2.885	1540.9	4713.	0.4936E 02	0.159
4900.	2.444	34.892	68.84	5.83	1.9893	27.8482	45.8735	2.935	1542.7	4810.	0.5003E 02	0.042
5000.	2.452	34.891	68.81	5.82	1.9837	27.8469	45.8740	2.985	1544.4	4907.	0.5066E 02	0.132
5100.	2.458	34.890	68.74	5.88	1.9776	27.8460	45.8748	3.036	1546.2	5004.	0.5125E 02	0.177

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P-DB	T-DECC	SAL-PSU	POTRAN	DO-ML/L	POTEMP	SIGMAT	SIG4000	DYNNIT-H	SNDV-H/S	DEPTH-M	SVAN01	BVFR-C/HR
10.	21.612	36.492	63.48	4.79	21.6104	25.4622	41.8719	0.025	1527.6	1.0	0.2512E 03	-9.990
20.	21.243	36.491	63.29	4.96	21.2394	25.5633	41.9944	0.050	1526.8	20.	0.2419E 03	5.680
30.	20.195	36.461	63.26	5.22	20.1896	25.8248	42.3172	0.073	1524.1	30.	0.2174E 03	9.111
50.	17.874	36.331	62.36	5.78	17.8650	26.3241	42.9608	0.112	1517.8	50.	0.1706E 03	8.894
75.	17.063	36.295	63.42	5.64	17.0509	26.4942	43.1844	0.152	1515.7	74.	0.1552E 03	4.658
100.	16.526	36.244	63.50	5.39	16.5096	26.5830	43.3106	0.190	1514.5	99.	0.1476E 03	3.382
125.	16.169	36.209	65.81	5.35	16.1485	26.6401	43.3932	0.226	1513.8	124.	0.1429E 03	2.722
150.	15.506	36.096	66.80	5.26	15.4827	26.7049	43.5063	0.261	1512.0	149.	0.1374E 03	2.914
200.	14.514	35.952	67.41	5.06	14.4841	26.8134	43.6887	0.327	1509.5	198.	0.1284E 03	2.673
250.	13.801	35.849	67.60	5.02	13.7652	26.8861	43.8164	0.390	1508.0	248.	0.1226E 03	2.206
300.	13.222	35.773	67.76	4.94	13.1796	26.9473	43.9232	0.450	1506.8	298.	0.1180E 03	2.034
400.	12.131	35.636	67.92	4.75	12.0775	27.0583	44.1219	0.564	1504.6	397.	0.1095E 03	1.952
500.	11.240	35.542	68.09	4.65	11.1764	27.1545	44.2917	0.669	1503.1	496.	0.1021E 03	1.831
600.	10.615	35.514	68.20	4.41	10.5404	27.2458	44.4357	0.768	1502.5	595.	0.9522E 02	1.779
700.	10.118	35.528	68.29	4.21	10.0334	27.3445	44.5764	0.860	1502.4	694.	0.8756E 02	1.839
800.	9.607	35.573	68.34	4.13	9.5125	27.4670	44.7416	0.942	1502.3	793.	0.7748E 02	2.041
900.	9.016	35.568	68.39	4.16	8.9132	27.5613	44.8870	1.015	1501.8	892.	0.6970E 02	1.833
1000.	8.407	35.550	68.41	4.29	8.2970	27.6435	45.0228	1.081	1501.2	991.	0.6279E 02	1.741
1200.	7.556	35.526	68.48	4.63	7.4294	27.7534	45.2106	1.198	1501.3	1188.	0.5418E 02	1.451
1400.	5.701	35.249	68.58	5.27	5.5715	27.7876	45.4207	1.300	1497.0	1385.	0.4883E 02	1.207
1600.	4.856	35.139	68.56	5.53	4.7164	27.8023	45.5206	1.395	1496.8	1583.	0.4701E 02	0.869
1800.	4.379	35.092	68.61	5.62	4.2254	27.8191	45.5877	1.488	1498.1	1780.	0.4569E 02	0.788
2000.	3.946	35.057	68.63	5.64	3.7792	27.8370	45.6517	1.577	1499.6	1976.	0.4401E 02	0.803
2200.	3.523	35.011	68.67	5.69	3.3434	27.8435	45.7040	1.664	1501.1	2173.	0.4300E 02	0.705
2400.	3.276	34.989	68.75	5.67	3.0811	27.8506	45.7395	1.750	1503.4	2370.	0.4251E 02	0.618
2600.	3.057	34.970	68.76	5.65	2.8461	27.8556	45.7702	1.834	1505.9	2566.	0.4214E 02	0.587
2800.	2.895	34.956	68.79	5.63	2.6667	27.8598	45.7945	1.918	1508.6	2762.	0.4200E 02	0.539
3000.	2.786	34.945	68.77	5.61	2.5402	27.8609	45.8105	2.003	1511.5	2958.	0.4236E 02	0.443
3200.	2.695	34.935	68.80	5.59	2.4296	27.8613	45.8241	2.088	1514.5	3154.	0.4279E 02	0.418
3400.	2.622	34.926	68.85	5.60	2.3369	27.8606	45.8349	2.174	1517.6	3349.	0.4337E 02	0.379
3600.	2.571	34.921	68.87	5.62	2.2662	27.8603	45.8438	2.261	1520.8	3544.	0.4403E 02	0.355
3800.	2.525	34.913	68.90	5.65	2.1985	27.8586	45.8510	2.350	1524.0	3740.	0.4479E 02	0.325
4000.	2.487	34.908	68.93	5.66	2.1391	27.8574	45.8579	2.440	1527.3	3935.	0.4553E 02	0.328
4200.	2.459	34.902	68.95	5.69	2.0885	27.8552	45.8630	2.532	1530.6	4130.	0.4640E 02	0.286
4400.	2.443	34.899	68.96	5.73	2.0494	27.8540	45.8678	2.626	1534.0	4324.	0.4728E 02	0.284
4500.	2.434	34.896	68.97	5.75	2.0283	27.8528	45.8698	2.673	1535.7	4422.	0.4774E 02	0.271
4600.	2.432	34.895	68.97	5.77	2.0151	27.8518	45.8712	2.721	1537.4	4519.	0.4827E 02	0.223
4700.	2.433	34.893	68.95	5.79	2.0034	27.8506	45.8723	2.770	1539.1	4615.	0.4882E 02	0.200
4800.	2.439	34.893	68.96	5.80	1.9963	27.8498	45.8733	2.819	1540.9	4713.	0.4939E 02	0.189
4900.	2.445	34.892	68.96	5.82	1.9897	27.8485	45.8738	2.869	1542.7	4810.	0.5000E 02	0.148
5000.	2.452	34.891	68.92	5.83	1.9841	27.8472	45.8742	2.919	1544.4	4907.	0.5064E 02	0.127
5100.	2.461	34.891	68.95	5.85	1.9805	27.8461	45.8746	2.970	1546.2	5004.	0.5127E 02	0.120
5200.	2.470	34.890	68.92	5.87	1.9763	27.8447	45.8747	3.022	1548.0	5101.	0.5193E 02	0.093
5300.	2.481	34.889	68.84	5.88	1.9732	27.8432	45.8748	3.074	1549.8	5196.	0.5261E 02	0.066

(xxii)

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DISCOVERY 139 STATION 10845

P-DB	T-DECC	SAL-PSU	POTRAN	DO-ML/L	POTE:IP	SIG:IAI	SIG:CA000	DY:HT-N	SNDV-N/S	DEPTH-M	SVANOM	RVFR-C/HR
10.	21.972	36.703	63.68	4.52	21.9699	25.5217	41.9067	0.025	1528.8	10.	0.2455E 03	-9.990
20.	21.037	36.647	63.41	4.79	21.0327	25.7391	42.1782	0.048	1526.5	20.	0.2252E 03	8.306
30.	20.622	36.668	63.39	4.95	20.6165	25.8691	42.3318	0.070	1525.5	30.	0.2132E 03	6.418
50.	19.806	36.569	63.13	5.17	19.7966	26.0115	42.5252	0.112	1523.5	50.	0.2004E 03	4.769
75.	18.110	36.400	62.99	5.32	18.0971	26.3185	42.9400	0.158	1518.9	74.	0.1720E 03	6.253
100.	17.734	36.433	63.96	5.07	17.7166	26.4375	43.0831	0.200	1518.3	99.	0.1615E 03	3.903
125.	17.127	36.340	65.62	4.89	17.1064	26.5139	43.2015	0.239	1515.8	124.	0.1550E 03	3.149
150.	16.905	36.334	66.64	4.87	16.8805	26.5624	43.2656	0.277	1516.6	149.	0.1512E 03	2.512
200.	15.741	36.115	67.42	5.07	15.7095	26.6658	43.4533	0.351	1513.6	199.	0.1427E 03	2.618
250.	14.895	35.995	67.47	5.18	14.8569	26.7636	43.6136	0.420	1511.6	248.	0.1347E 03	2.546
300.	14.164	35.898	67.63	5.03	14.1198	26.8473	43.7527	0.486	1510.0	298.	0.1279E 03	2.368
400.	12.899	35.728	67.90	4.78	12.8437	26.9785	43.9828	0.608	1507.3	397.	0.1175E 03	2.117
500.	11.876	35.605	68.00	4.66	11.8096	27.0836	44.1708	0.721	1505.4	496.	0.1094E 03	1.916
600.	11.097	35.534	68.14	4.46	11.0206	27.1742	44.3261	0.827	1504.3	595.	0.1025E 03	1.788
700.	10.377	35.492	68.19	4.29	10.2915	27.2711	44.4834	0.925	1503.3	694.	0.9478E 02	1.848
800.	10.053	35.589	68.33	4.11	9.9559	27.4031	44.6417	1.015	1503.9	793.	0.8413E 02	2.092
900.	9.637	35.655	68.37	4.03	9.5300	27.5258	44.7988	1.094	1504.2	892.	0.7411E 02	2.037
1000.	8.682	35.562	68.36	4.23	8.5700	27.6101	44.9662	1.164	1502.2	991.	0.6645E 02	1.820
1200.	7.643	35.519	68.35	4.59	7.5157	27.7354	45.1853	1.286	1501.6	1188.	0.5607E 02	1.554
1400.	6.360	35.371	68.45	4.98	6.2237	27.7990	45.3695	1.391	1499.8	1386.	0.4978E 02	1.282
1600.	5.521	35.269	68.54	5.22	5.3725	27.8259	45.4793	1.488	1499.6	1583.	0.4721E 02	0.968
1800.	4.826	35.191	68.58	5.35	4.6658	27.8476	45.5714	1.580	1500.1	1780.	0.4490E 02	0.912
2000.	4.173	35.102	68.61	5.45	4.0022	27.8488	45.6406	1.669	1500.6	1977.	0.4398E 02	0.738
2200.	3.707	35.045	68.60	5.53	3.5244	27.8524	45.6941	1.756	1502.0	2173.	0.4313E 02	0.697
2400.	3.332	34.999	68.58	5.61	3.1355	27.8531	45.7363	1.842	1503.7	2370.	0.4260E 02	0.633
2600.	3.099	34.973	68.55	5.59	2.8870	27.8583	45.7686	1.927	1506.1	2566.	0.4215E 02	0.601
2800.	2.917	34.960	68.58	5.56	2.6886	27.8608	45.7933	2.011	1508.7	2762.	0.4206E 02	0.534
3000.	2.794	34.948	68.60	5.54	2.5475	27.8622	45.8110	2.095	1511.5	2958.	0.4229E 02	0.467
3200.	2.675	34.935	68.62	5.52	2.4101	27.8628	45.8276	2.180	1514.4	3154.	0.4251E 02	0.460
3400.	2.590	34.925	68.64	5.53	2.3057	27.8621	45.8395	2.265	1517.4	3349.	0.4299E 02	0.399
3600.	2.527	34.916	68.69	5.54	2.2277	27.8608	45.8487	2.352	1520.6	3545.	0.4362E 02	0.358
3800.	2.472	34.908	68.71	5.55	2.1474	27.8591	45.8567	2.440	1523.8	3740.	0.4429E 02	0.343
4000.	2.435	34.903	68.75	5.61	2.0889	27.8576	45.8633	2.529	1527.1	3935.	0.4504E 02	0.318
4200.	2.407	34.898	68.77	5.65	2.0385	27.8563	45.8691	2.620	1530.4	4130.	0.4582E 02	0.307
4400.	2.395	34.893	68.75	5.69	2.0030	27.8536	45.8721	2.712	1533.8	4325.	0.4684E 02	0.229
4500.	2.396	34.893	68.72	5.70	1.9923	27.8535	45.8741	2.759	1535.5	4422.	0.4731E 02	0.258
4600.	2.401	34.892	68.52	5.71	1.9847	27.8523	45.8748	2.807	1537.3	4519.	0.4790E 02	0.159
4700.	2.409	34.891	68.46	5.72	1.9804	27.8508	45.8748	2.855	1539.0	4616.	0.4855E 02	0.053

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DISCOVERY 139 STATION 10R46

P-DB	T-DECC	SAL-PSU	POTRAN	DO-M/L/L	POTEMP	SIGMAT	SIG4000	DYNHT-H	SPDV-H/S	DEPTH-M	SVANOM	RVP-C/HR
10.	22.246	36.834	64.40	4.42	22.2435	25.5440	41.9112	0.024	1529.7	10.	0.2434E 03	-9.990
20.	21.868	36.832	64.60	4.56	21.8641	25.6494	42.0379	0.048	1528.9	20.	0.2338E 03	5.791
30.	20.813	36.774	64.85	4.97	20.8072	25.8969	42.3465	0.071	1526.2	30.	0.2105E 03	8.865
50.	18.875	36.612	64.22	5.43	18.8660	26.2871	42.8552	0.108	1521.0	50.	0.1742E 03	7.865
75.	18.122	36.607	65.23	5.33	18.1085	26.4740	43.0899	0.149	1519.2	74.	0.1573E 03	4.884
100.	17.973	36.626	65.87	5.08	17.9557	26.5257	43.1516	0.188	1519.2	99.	0.1532E 03	2.586
125.	17.792	36.619	66.18	4.91	17.7706	26.5651	43.2038	0.226	1519.1	124.	0.1503E 03	2.268
150.	17.569	36.571	66.69	4.81	17.5435	26.5833	43.2385	0.264	1518.8	149.	0.1494E 03	1.579
200.	16.194	36.275	67.59	4.67	16.1614	26.6851	43.4386	0.336	1515.2	199.	0.1410E 03	2.607
250.	15.399	36.135	67.61	4.44	15.3605	26.7588	43.5710	0.405	1513.4	248.	0.1353E 03	2.225
300.	14.382	35.959	67.59	4.42	14.3377	26.8473	43.7364	0.471	1510.8	298.	0.1280E 03	2.454
400.	12.725	35.707	67.82	4.56	12.6697	26.9971	44.0148	0.593	1506.7	397.	0.1156E 03	2.266
500.	11.826	35.603	67.95	4.62	11.7604	27.0916	44.1826	0.705	1505.2	496.	0.1086E 03	1.818
600.	11.064	35.536	68.10	4.61	10.9877	27.1821	44.3365	0.810	1504.1	595.	0.1017E 03	1.785
700.	10.343	35.498	68.20	4.25	10.2572	27.2818	44.4967	0.908	1503.2	694.	0.9373E 02	1.872
800.	9.558	35.546	68.32	3.95	9.7628	27.4035	44.6586	0.997	1503.2	793.	0.8380E 02	2.032
900.	9.399	35.574	68.35	3.78	9.2940	27.5026	44.7969	1.077	1503.2	892.	0.7586E 02	1.853
1000.	9.041	35.611	68.36	3.97	8.9262	27.5908	44.9162	1.149	1503.6	991.	0.6896E 02	1.750
1200.	8.575	35.673	68.39	4.19	8.4400	27.7138	45.0814	1.278	1505.3	1188.	0.6034E 02	1.471
1400.	8.015	35.681	68.41	4.43	7.8608	27.8069	45.2264	1.391	1506.5	1386.	0.5389E 02	1.330
1600.	6.065	35.360	68.49	5.00	5.9100	27.8295	45.4313	1.494	1501.9	1583.	0.4878E 02	1.203
1800.	5.114	35.227	68.50	5.29	4.9502	27.8423	45.5385	1.589	1501.3	1780.	0.4654E 02	0.923
2000.	4.396	35.131	68.52	5.53	4.2225	27.8477	45.6176	1.681	1501.6	1977.	0.4509E 02	0.809
2200.	3.927	35.075	68.55	5.55	3.7407	27.8533	45.6732	1.770	1502.9	2173.	0.4416E 02	0.720
2400.	3.496	35.020	68.61	5.64	3.2966	27.8537	45.7205	1.857	1504.4	2370.	0.4345E 02	0.667
2600.	3.215	34.991	68.61	5.65	3.0004	27.8582	45.7569	1.944	1506.6	2566.	0.4286E 02	0.630
3000.	3.000	34.970	68.62	5.65	2.7699	27.8609	45.7850	2.029	1509.0	2762.	0.4259E 02	0.569
3200.	2.826	34.951	68.64	5.83	2.5790	27.8619	45.8075	2.114	1511.7	2958.	0.4254E 02	0.520
3400.	2.693	34.937	68.67	5.63	2.4317	27.8625	45.8251	2.199	1514.5	3154.	0.4269E 02	0.474
3600.	2.536	34.926	68.69	5.65	2.3187	27.8616	45.8377	2.285	1517.5	3349.	0.4314E 02	0.408
3800.	2.478	34.918	68.71	5.67	2.2313	27.8613	45.8483	2.372	1520.6	3545.	0.4365E 02	0.387
		34.910	68.72	5.81	2.1533	27.8597	45.8567	2.460	1523.8	3740.	0.4429E 02	0.350

(xxiv)

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DISCOVERY 139 STATION 10848

P-DB	T-DEGC	SAL-PSU	POTPAR	NO-HL/L	POTEMP	SIG:MAT	SIG:4000	DY:HT-H	SNDV-H/S	DEPTII-I	SVANOM	BVFR-C/HR
10.	21.859	36.664	63.74	4.67	21.8574	25.5238	41.9159	0.025	1528.5	10.	0.2453E 03	-9.990
20.	21.793	36.652	63.75	4.69	21.7886	25.5340	41.9307	0.049	1528.5	20.	0.2447E 03	1.844
30.	21.034	36.601	63.42	4.97	21.0278	25.7049	42.1460	0.073	1526.6	30.	0.2288E 03	7.378
50.	19.129	36.471	63.19	5.59	19.1197	26.1140	42.6702	0.114	1521.5	50.	0.1906E 03	8.052
75.	18.060	36.478	64.24	5.58	18.0465	26.3907	43.0135	0.158	1518.9	74.	0.1652E 03	5.935
100.	17.755	36.460	64.87	5.40	17.7378	26.4527	43.0963	0.199	1518.4	99.	0.1601E 03	2.832
125.	16.991	36.321	66.10	5.41	16.9702	26.5319	43.2287	0.238	1516.4	124.	0.1533E 03	3.209
150.	16.379	36.233	67.23	5.12	16.3549	26.6096	43.3494	0.275	1514.9	149.	0.1466E 03	3.178
200.	15.562	36.133	67.63	4.88	15.5311	26.7207	43.5197	0.346	1513.1	199.	0.1375E 03	2.699
250.	14.768	36.013	67.69	4.78	14.7301	26.8052	43.6636	0.413	1511.3	248.	0.1307E 03	2.374
300.	14.049	35.902	67.83	4.77	14.0052	26.8747	43.7881	0.477	1509.6	298.	0.1253E 03	2.169
400.	12.755	35.710	68.00	4.82	12.6995	26.9934	44.0088	0.598	1506.8	397.	0.1160E 03	2.024
500.	11.700	35.584	68.15	4.73	11.6351	27.1006	44.2016	0.709	1504.8	496.	0.1076E 03	1.935
600.	10.942	35.520	68.32	4.45	10.8661	27.1921	44.3563	0.813	1503.7	595.	0.1006E 03	1.793
700.	10.337	35.527	68.32	4.30	10.3011	27.2967	44.5073	0.909	1503.4	694.	0.9239E 02	1.895
800.	9.748	35.527	68.46	4.13	9.6535	27.4074	44.6719	0.997	1502.8	793.	0.8326E 02	1.964
900.	9.070	35.538	68.48	4.13	8.9674	27.5284	44.8504	1.075	1502.0	892.	0.7287E 02	2.060
1000.	9.121	35.686	68.49	4.13	9.0648	27.6267	44.9386	1.144	1504.2	991.	0.6589E 02	1.756
1200.	7.825	35.551	68.47	4.48	7.6966	27.7331	45.1667	1.266	1502.3	1188.	0.5673E 02	1.495
1400.	6.859	35.458	68.47	4.79	6.7174	27.7994	45.3236	1.372	1501.8	1386.	0.5123E 02	1.240
1600.	5.692	35.308	68.41	5.12	5.5419	27.8355	45.4723	1.469	1500.4	1583.	0.4692E 02	1.120
1800.	4.806	35.184	68.46	5.35	4.6468	27.8437	45.5695	1.560	1500.0	1780.	0.4513E 02	0.862
2000.	4.168	35.095	68.56	5.51	3.9981	27.8443	45.6366	1.650	1500.6	1977.	0.4437E 02	0.724
2200.	3.780	35.053	68.61	5.49	3.5960	27.8510	45.6856	1.738	1502.3	2173.	0.4363E 02	0.687
2400.	3.422	35.012	68.62	5.51	3.2239	27.8548	45.7289	1.825	1504.1	2370.	0.4295E 02	0.657
2600.	3.144	34.983	68.59	5.50	2.9315	27.8582	45.7640	1.910	1506.3	2566.	0.4244E 02	0.615
2800.	2.958	34.964	68.61	5.48	2.7287	27.8600	45.7884	1.995	1508.8	2762.	0.4239E 02	0.529
3000.	2.804	34.947	68.60	5.47	2.5574	27.8612	45.8090	2.079	1511.6	2958.	0.4245E 02	0.499
3200.	2.686	34.935	68.62	5.48	2.4215	27.8615	45.8252	2.164	1514.4	3154.	0.4271E 02	0.455
3400.	2.598	34.925	68.65	5.48	2.3139	27.8614	45.8380	2.250	1517.5	3349.	0.4312E 02	0.415
3600.	2.533	34.916	68.70	5.50	2.2288	27.8604	45.8477	2.337	1520.6	3545.	0.4370E 02	0.369
3800.	2.486	34.910	68.76	5.51	2.1609	27.8591	45.8553	2.425	1523.8	3740.	0.4441E 02	0.334
4000.	2.454	34.904	68.77	5.54	2.1069	27.8570	45.8608	2.515	1527.1	3935.	0.4527E 02	0.289
4200.	2.429	34.899	68.78	5.59	2.0595	27.8553	45.8660	2.606	1530.5	4130.	0.4611E 02	0.291
4400.	2.410	34.895	68.78	5.64	2.0176	27.8536	45.8707	2.699	1533.8	4324.	0.4698E 02	0.282
4500.	2.408	34.894	68.78	5.66	2.0032	27.8528	45.8724	2.746	1535.6	4422.	0.4747E 02	0.245
4600.	2.412	34.892	68.73	5.68	1.9956	27.8514	45.8728	2.794	1537.3	4519.	0.4809E 02	0.129
4700.	2.418	34.892	68.61	5.69	1.9891	27.8504	45.8735	2.843	1539.1	4616.	0.4869E 02	0.160
4800.	2.428	34.891	68.51	5.71	1.9858	27.8491	45.8737	2.892	1540.8	4713.	0.4933E 02	0.089

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DISCOVERY 139 STATION 10849

P-DB	T-DEGC	SAL-P5U	POTRAN	DO-MI/L	POTEMP	SICHT	SIG4000	NYHT-H	SRDV-I/S	DEPTH-M	SVANOM	RVFR-C/HR
10.	21.802	36.515	63.41	4.82	21.8004	25.4266	41.8252	0.025	1528.2	10.	0.2546E 03	-9.990
20.	21.502	36.562	63.42	5.05	21.4984	25.5459	41.9608	0.051	1527.6	20.	0.2436E 03	6.161
30.	20.531	36.518	62.92	5.37	20.5251	25.7791	42.2507	0.074	1525.1	30.	0.2217E 03	8.603
50.	19.179	36.419	62.45	5.75	19.1696	26.0615	42.6159	0.115	1521.6	50.	0.1956E 03	6.693
75.	18.048	36.396	63.12	5.71	18.0345	26.3313	42.9568	0.160	1518.7	74.	0.1708E 03	5.862
100.	17.320	36.364	63.80	5.46	17.3034	26.4856	43.1590	0.201	1517.0	99.	0.1569E 03	4.443
125.	16.896	36.299	65.14	5.16	16.8756	26.5374	43.2409	0.240	1516.1	124.	0.1528E 03	2.601
150.	16.690	36.305	66.46	4.99	16.6655	26.5917	43.3095	0.278	1515.9	149.	0.1484E 03	2.651
200.	15.533	36.103	67.55	4.84	15.5020	26.7043	43.5060	0.349	1512.9	199.	0.1390E 03	2.728
250.	14.605	35.982	67.79	4.70	14.5674	26.8170	43.6873	0.416	1510.7	248.	0.1295E 03	2.728
300.	13.826	35.856	67.81	4.95	13.7827	26.8866	43.8169	0.480	1508.9	298.	0.1240E 03	2.175
400.	12.738	35.713	68.00	4.84	12.6834	26.9989	44.0154	0.600	1506.8	397.	0.1155E 03	1.963
500.	11.887	35.609	68.04	4.84	11.8213	27.0849	44.1711	0.712	1505.4	490.	0.1093E 03	1.739
600.	11.027	35.529	68.28	4.43	10.9510	27.1836	44.3410	0.817	1504.0	595.	0.1015E 03	1.865
700.	10.475	35.520	68.29	4.30	10.3890	27.2757	44.4795	0.915	1503.7	694.	0.9448E 02	1.788
800.	10.008	35.578	68.34	4.15	9.9119	27.4021	44.6445	1.005	1503.8	793.	0.8416E 02	2.066
900.	9.417	35.613	68.41	4.17	9.3119	27.5301	44.8219	1.084	1503.3	892.	0.7312E 02	2.101
1000.	8.778	35.583	68.42	4.21	8.6648	27.6107	44.9584	1.154	1502.6	991.	0.6659E 02	1.731
1200.	7.521	35.498	68.46	4.60	7.3953	27.7365	45.1973	1.275	1501.1	1188.	0.5367E 02	1.583
1400.	6.385	35.380	68.45	5.06	6.2483	27.8024	45.3705	1.379	1499.9	1386.	0.4954E 02	1.270
1600.	5.060	35.193	68.31	5.47	4.9177	27.8216	45.5194	1.474	1497.7	1583.	0.4597E 02	1.043
1800.	4.351	35.101	68.63	5.62	4.1974	27.8294	45.6003	1.564	1498.0	1780.	0.4463E 02	0.794
2000.	3.898	35.048	68.59	5.70	3.7320	27.8349	45.6544	1.653	1499.4	1977.	0.4398E 02	0.684
2200.	3.505	35.007	68.55	5.68	3.3253	27.8424	45.7048	1.740	1501.1	2173.	0.4301E 02	0.699
2400.	3.211	34.981	68.57	5.69	3.0171	27.8500	45.7454	1.825	1503.2	2370.	0.4221E 02	0.658
2600.	3.003	34.964	68.61	5.64	2.7934	27.8565	45.7765	1.909	1505.6	2566.	0.4174E 02	0.597
2800.	2.864	34.953	68.61	5.59	2.6362	27.8602	45.7981	1.993	1508.4	2762.	0.4176E 02	0.510
3000.	2.755	34.942	68.61	5.60	2.5092	27.8614	45.8141	2.076	1511.3	2958.	0.4210E 02	0.443
3200.	2.658	34.932	68.64	5.55	2.3934	27.8620	45.8286	2.161	1514.3	3154.	0.4245E 02	0.432
3400.	2.582	34.923	68.68	5.56	2.2994	27.8616	45.8398	2.246	1517.4	3349.	0.4297E 02	0.387
3600.	2.526	34.915	68.71	5.57	2.2220	27.8602	45.8482	2.333	1520.6	3545.	0.4366E 02	0.342
3800.	2.483	34.910	68.74	5.61	2.1574	27.8594	45.8560	2.421	1523.8	3740.	0.4435E 02	0.339
4000.	2.447	34.904	68.79	5.63	2.1005	27.8576	45.8621	2.510	1527.1	3935.	0.4514E 02	0.307
4200.	2.425	34.899	68.79	5.66	2.0554	27.8558	45.8669	2.601	1530.5	4130.	0.4603E 02	0.279
4400.	2.407	34.895	68.80	5.69	2.0142	27.8541	45.8715	2.694	1533.8	4325.	0.4690E 02	0.280
4500.	2.412	34.894	68.75	5.71	2.0070	27.8528	45.8720	2.742	1535.6	4422.	0.4752E 02	0.128
4600.	2.418	34.893	68.77	5.74	2.0012	27.8516	45.8725	2.789	1537.3	4519.	0.4813E 02	0.134
4700.	2.419	34.892	68.79	5.76	1.9900	27.8507	45.8738	2.838	1539.1	4616.	0.4867E 02	0.217
4800.	2.425	34.891	68.79	5.77	1.9832	27.8495	45.8744	2.887	1540.8	4713.	0.4927E 02	0.150
4900.	2.432	34.890	68.76	5.78	1.9776	27.8479	45.8745	2.936	1542.6	4811.	0.4992E 02	0.086
5000.	2.442	34.890	68.65	5.74	1.9750	27.8470	45.8749	2.987	1544.4	4908.	0.5055E 02	0.120

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DISCOVERY 139 STATION 10850

P-DB	T-DEGC	SAL-PSU	POTRAH	DO-ML/L	POTE:IP	SIC:IAI	SIC:4000	DYN:HT-H	SNDV-M/S	DEPTH-H	SVANOM	BVFR-C/HR
10.	22.060	36.675	64.05	4.61	22.0582	25.4754	41.8563	0.025	1529.0	10.	0.2499E 03	-9.990
20.	21.963	36.714	64.16	4.75	21.9592	25.5330	41.9189	0.050	1529.0	20.	0.2448E 03	4.287
30.	21.387	36.735	63.90	5.02	21.3872	25.7080	42.1257	0.074	1527.7	30.	0.2286E 03	7.453
40.	19.709	36.674	63.87	5.56	19.6997	26.1178	42.6347	0.115	1523.4	50.	0.1903E 03	8.064
75.	18.726	36.650	63.68	5.67	18.7132	26.3545	42.9321	0.160	1521.0	74.	0.1687E 03	5.491
100.	18.128	36.597	64.35	5.43	18.1102	26.4647	43.0817	0.200	1519.6	99.	0.1590E 03	3.762
125.	17.661	36.515	65.50	5.20	17.6394	26.5184	43.1678	0.239	1518.6	124.	0.1547E 03	2.649
150.	17.541	36.528	66.58	4.99	17.5150	26.5578	43.2159	0.278	1518.7	149.	0.1513E 03	2.269
200.	16.393	36.290	67.45	4.83	16.3603	26.6502	43.3902	0.352	1515.8	199.	0.1444E 03	2.482
250.	15.364	36.100	67.53	4.79	15.3246	26.7403	43.5558	0.422	1513.2	248.	0.1371E 03	2.458
300.	14.740	36.002	67.56	4.72	14.6944	26.8029	43.6657	0.490	1512.0	298.	0.1324E 03	2.061
400.	13.383	35.798	67.81	4.65	13.3265	26.9334	43.9009	0.615	1509.0	397.	0.1221E 03	2.116
500.	12.180	35.646	67.86	4.61	12.1125	27.0571	44.1205	0.733	1506.5	496.	0.1121E 03	2.075
600.	11.291	35.553	68.05	4.51	11.2142	27.1529	44.2894	0.841	1505.0	595.	0.1047E 03	1.842
700.	10.520	35.505	68.15	4.25	10.4332	27.2558	44.4567	0.942	1503.8	694.	0.0963E 02	1.904
800.	9.920	35.529	68.22	4.15	9.8238	27.3793	44.6300	1.033	1503.4	793.	0.0861E 02	2.059
900.	9.664	35.635	68.25	4.15	9.5574	27.5058	44.7771	1.114	1504.2	892.	0.0760E 02	2.045
1000.	8.884	35.597	68.26	4.26	8.7707	27.6049	44.9434	1.186	1503.0	991.	0.0673E 02	1.914
1200.	7.904	35.564	68.31	4.54	7.7746	27.7314	45.1580	1.311	1502.6	1188.	0.0570E 02	1.553
1400.	6.681	35.416	68.33	4.96	6.5412	27.7909	45.3319	1.419	1501.1	1386.	0.0514E 02	1.244
1600.	5.310	35.221	68.44	5.44	5.1641	27.8136	45.4877	1.518	1498.7	1583.	0.0475E 02	1.078
1800.	4.522	35.110	68.52	5.66	4.3668	27.8174	45.5719	1.612	1498.7	1780.	0.0464E 02	0.786
2000.	4.109	35.073	68.58	5.65	3.9399	27.8330	45.6316	1.703	1500.3	1977.	0.0451E 02	0.770
2200.	3.665	35.027	68.60	5.68	3.4824	27.8424	45.6888	1.792	1501.8	2173.	0.0438E 02	0.748
2400.	3.364	34.995	68.53	5.70	3.1676	27.8467	45.7269	1.879	1503.8	2370.	0.0433E 02	0.623
2600.	3.103	34.973	68.58	5.68	2.8913	27.8536	45.7637	1.965	1506.1	2566.	0.0426E 02	0.645
2800.	2.937	34.958	68.58	5.64	2.7086	27.8578	45.7883	2.050	1508.7	2762.	0.0424E 02	0.542
3000.	2.796	34.946	68.62	5.60	2.5494	27.8606	45.8093	2.135	1511.5	2958.	0.0424E 02	0.510
3200.	2.705	34.937	68.63	5.59	2.4395	27.8614	45.8232	2.220	1514.5	3154.	0.0428E 02	0.425
3400.	2.623	34.927	68.67	5.60	2.3382	27.8613	45.8354	2.307	1517.6	3349.	0.0433E 02	0.404
3600.	2.568	34.920	68.70	5.60	2.2630	27.8599	45.8437	2.394	1520.8	3545.	0.0440E 02	0.341
3800.	2.520	34.913	68.69	5.62	2.1941	27.8584	45.8512	2.483	1524.0	3740.	0.0447E 02	0.332
4000.	2.478	34.906	68.71	5.65	2.1307	27.8570	45.8584	2.573	1527.2	3935.	0.0454E 02	0.333
4200.	2.449	34.901	68.73	5.69	2.0792	27.8552	45.8638	2.665	1530.6	4130.	0.0463E 02	0.297
4400.	2.430	34.897	68.74	5.72	2.0366	27.8537	45.8688	2.758	1533.9	4325.	0.0471E 02	0.289
4500.	2.427	34.895	68.72	5.73	2.0219	27.8525	45.8702	2.806	1535.6	4422.	0.0470E 02	0.219
4600.	2.425	34.894	68.74	5.75	2.0075	27.8516	45.8718	2.854	1537.4	4519.	0.0482E 02	0.240
4700.	2.427	34.893	68.75	5.76	1.9979	27.8504	45.8726	2.902	1539.1	4616.	0.0487E 02	0.178
4800.	2.431	34.892	68.75	5.80	1.9891	27.8493	45.8736	2.951	1540.9	4713.	0.0493E 02	0.188
4900.	2.437	34.891	68.73	5.80	1.9822	27.8482	45.8743	3.001	1542.6	4811.	0.0499E 02	0.156
5000.	2.445	34.890	68.73	5.82	1.9771	27.8469	45.8746	3.051	1544.4	4908.	0.0505E 02	0.122
5100.	2.454	34.890	68.62	5.82	1.9736	27.8458	45.8749	3.102	1546.2	5005.	0.0512E 02	0.110

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DISCOVERY 139 STATION 10851

P-DB	T-DEGC	SAI-PSU	POTRAN	DO-MIL/L	POTEMP	SIGCHAT	SIG4000	DYNHIT-M	SNDV-M/S	DEPTH-M	SWANOM	BVFR-C/HR
10.	22.469	36.788	63.49	4.75	22.4665	25.4453	41.8014	0.025	1530.2	10.	0.2528E 03	-9.990
20.	22.361	36.781	63.60	4.77	22.3565	25.4709	41.8337	0.050	1530.1	20.	0.2507E 03	2.878
30.	21.352	36.699	63.64	5.04	21.3459	25.6189	42.1127	0.075	1527.5	30.	0.2300E 03	7.381
50.	20.237	36.804	64.22	5.48	20.2279	26.0763	42.5593	0.117	1525.0	50.	0.1943E 03	7.805
75.	18.824	36.683	64.48	5.74	18.8109	26.3542	42.9251	0.162	1521.3	74.	0.1687E 03	5.949
100.	18.283	36.633	65.35	5.63	18.2651	26.4539	43.0605	0.203	1520.1	99.	0.1601E 03	3.581
125.	17.865	36.583	65.71	5.31	17.8437	26.5193	43.1544	0.242	1519.3	124.	0.1547E 03	2.914
150.	17.813	36.601	66.70	5.25	17.7874	26.5467	43.1859	0.281	1519.5	149.	0.1529E 03	1.900
200.	17.399	36.545	67.33	5.04	17.3650	26.6054	43.2746	0.356	1519.1	199.	0.1489E 03	1.978
300.	16.029	36.255	67.71	4.85	15.9886	26.7074	43.4747	0.428	1515.5	248.	0.1404E 03	2.621
400.	14.969	36.057	67.64	4.78	14.9233	26.7948	43.6404	0.497	1512.8	298.	0.1333E 03	2.436
500.	13.488	35.827	67.85	4.67	13.4309	26.9345	43.8938	0.624	1509.4	397.	0.1221E 03	2.190
600.	12.351	35.663	68.03	4.72	12.2829	27.0365	44.0867	0.742	1507.1	496.	0.1142E 03	1.898
700.	11.468	35.561	68.17	4.59	11.3901	27.1269	44.2497	0.853	1505.6	595.	0.1073E 03	1.795
800.	10.709	35.510	68.32	4.34	10.6214	27.2259	44.4118	0.956	1504.5	694.	0.9945E 02	1.870
900.	9.980	35.508	68.42	4.14	9.8834	27.3526	44.5992	1.051	1503.6	793.	0.8874E 02	2.099
1000.	9.296	35.540	68.48	4.11	9.1915	27.4934	44.7970	1.133	1502.8	892.	0.7654E 02	2.206
1200.	8.748	35.563	68.49	4.01	8.6358	27.5999	44.9506	1.205	1502.5	991.	0.6753E 02	1.937
1400.	7.759	35.511	68.42	4.29	7.6309	27.7120	45.1523	1.330	1502.0	1188.	0.5853E 02	1.480
1600.	6.890	35.451	68.41	4.63	6.7481	27.7897	45.3114	1.441	1501.9	1386.	0.5222E 02	1.293
1800.	5.797	35.310	68.46	4.96	5.6459	27.8237	45.4509	1.541	1500.8	1583.	0.4838E 02	1.087
2000.	4.919	35.193	68.50	5.25	4.7580	27.8380	45.5532	1.635	1500.4	1780.	0.4615E 02	0.913
2200.	4.293	35.111	68.61	5.44	4.1208	27.8435	45.6236	1.727	1501.1	1977.	0.4501E 02	0.722
2400.	3.770	35.045	68.65	5.56	3.5862	27.8463	45.6821	1.816	1502.2	2173.	0.4400E 02	0.768
2600.	3.371	35.001	68.62	5.59	3.1741	27.8507	45.7301	1.903	1503.9	2370.	0.4303E 02	0.692
2800.	3.114	34.978	68.63	5.56	2.9014	27.8567	45.7657	1.988	1506.1	2566.	0.4238E 02	0.631
3000.	2.936	34.961	68.66	5.54	2.7070	27.8597	45.7904	2.073	1508.7	2762.	0.4227E 02	0.537
3200.	2.780	34.946	68.64	5.53	2.5343	27.8619	45.8120	2.158	1511.5	2958.	0.4223E 02	0.516
3400.	2.676	34.934	68.66	5.53	2.4110	27.8619	45.8266	2.242	1514.4	3154.	0.4260E 02	0.430
3600.	2.595	34.924	68.68	5.53	2.3111	27.8613	45.8382	2.328	1517.5	3349.	0.4310E 02	0.394
3800.	2.533	34.917	68.70	5.54	2.2288	27.8606	45.8479	2.415	1520.6	3545.	0.4369E 02	0.369
4000.	2.490	34.910	68.73	5.58	2.1650	27.8590	45.8548	2.503	1523.9	3740.	0.4446E 02	0.319
4200.	2.454	34.904	68.75	5.61	2.1069	27.8569	45.8607	2.593	1527.1	3935.	0.4527E 02	0.302
4400.	2.427	34.899	68.77	5.65	2.0576	27.8555	45.8664	2.684	1530.5	4130.	0.4607E 02	0.304
4600.	2.414	34.896	68.79	5.69	2.0218	27.8540	45.8706	2.777	1533.9	4325.	0.4700E 02	0.264
4800.	2.414	34.894	68.80	5.70	2.0093	27.8529	45.8718	2.824	1535.6	4422.	0.4754E 02	0.210
5000.	2.413	34.893	68.79	5.72	1.9966	27.8518	45.8731	2.872	1537.3	4519.	0.4807E 02	0.215
5200.	2.419	34.892	68.80	5.74	1.9893	27.8507	45.8738	2.920	1539.1	4617.	0.4866E 02	0.164
5400.	2.423	34.891	68.79	5.77	1.9817	27.8494	45.8744	2.969	1540.8	4714.	0.4926E 02	0.147
5600.	2.431	34.890	68.75	5.78	1.9766	27.8480	45.8747	3.019	1542.6	4811.	0.4990E 02	0.111
5800.	2.441	34.890	68.77	5.80	1.9731	27.8471	45.8752	3.069	1544.4	4908.	0.5053E 02	0.134
6000.	2.449	34.889	68.78	5.82	1.9685	27.8458	45.8755	3.120	1546.1	5005.	0.5116E 02	0.119
6200.	2.458	34.889	68.75	5.83	1.9647	27.8445	45.8757	3.171	1547.9	5102.	0.5181E 02	0.106

(xxviii)

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DISCOVERY 139 STATION 10852

P-DB	T-DEGC	SAL-PSU	POTRAN	DO-IL/L	POTEMP	SIGMAT	SIG4000	DYNHT-H	SRDV-H/S	DEPTH-H	SVANOH	BVFR-C/HR
10.	22.976	37.125	63.60	4.88	22.9741	25.5545	41.8759	0.024	1531.9	10.	0.2424E 03	-9.990
20.	22.964	37.126	63.92	4.79	22.9601	25.5587	41.8815	0.048	1532.0	20.	0.2424E 03	1.242
30.	22.833	37.122	63.78	4.86	22.8273	25.5942	41.9247	0.073	1531.8	30.	0.2394E 03	3.379
50.	21.559	37.037	63.81	5.21	21.5492	25.8906	42.2937	0.119	1528.8	50.	0.2119E 03	6.879
75.	19.514	36.880	63.76	5.73	19.5006	26.3263	42.8513	0.165	1523.5	74.	0.1714E 03	7.432
100.	19.167	36.897	64.88	5.50	19.1488	26.4300	42.9767	0.207	1522.9	99.	0.1624E 03	3.648
125.	18.771	36.846	65.03	5.35	18.7488	26.4927	43.0658	0.246	1522.2	124.	0.1573E 03	2.854
150.	18.504	36.788	66.06	5.20	18.4778	26.5167	43.1087	0.286	1521.8	149.	0.1559E 03	1.799
200.	17.209	36.511	67.08	4.97	17.1756	26.6248	43.3068	0.362	1518.5	199.	0.1470E 03	2.679
250.	15.996	36.246	67.10	4.85	15.9562	26.7085	43.4781	0.433	1515.4	248.	0.1403E 03	2.384
300.	14.928	36.060	67.08	4.76	14.8823	26.8065	43.6549	0.502	1512.6	298.	0.1321E 03	2.571
400.	13.445	35.822	67.31	4.65	13.3879	26.9397	43.9022	0.627	1509.2	397.	0.1216E 03	2.142
500.	12.110	35.647	67.47	4.56	12.0436	27.0709	44.1394	0.743	1506.2	496.	0.1108E 03	2.139
600.	11.245	35.568	67.63	4.24	11.1683	27.1734	44.3130	0.850	1504.8	595.	0.1027E 03	1.897
700.	10.382	35.504	67.75	3.90	10.2965	27.2795	44.4911	0.948	1503.4	694.	0.9399E 02	1.941
800.	9.568	35.458	67.77	3.71	9.4738	27.3835	44.6644	1.036	1502.0	793.	0.8522E 02	1.931
900.	8.506	35.391	67.76	3.75	8.4068	27.5035	44.8762	1.116	1499.7	892.	0.7418E 02	2.105
1000.	8.043	35.385	67.83	3.86	7.9358	27.5704	44.9848	1.187	1499.6	991.	0.6885E 02	1.569
1200.	7.155	35.371	67.95	4.18	7.0324	27.6893	45.1853	1.314	1499.5	1188.	0.5913E 02	1.503
1400.	6.431	35.345	68.04	4.55	6.2935	27.7693	45.3343	1.426	1500.0	1386.	0.5273E 02	1.282
1600.	5.552	35.263	68.12	4.99	5.4036	27.8172	45.4679	1.527	1499.7	1583.	0.4812E 02	1.133
1800.	4.871	35.177	68.19	5.22	4.7102	27.8307	45.5508	1.622	1500.2	1780.	0.4663E 02	0.835
2000.	4.140	35.087	68.16	5.24	3.9705	27.8408	45.6361	1.713	1500.5	1977.	0.4456E 02	0.860
2200.	3.716	35.040	68.18	5.37	3.5325	27.8472	45.6884	1.801	1502.0	2174.	0.4364E 02	0.705
2400.	3.368	35.003	68.26	5.40	3.1711	27.8527	45.7323	1.888	1503.8	2370.	0.4284E 02	0.670
2600.	3.098	34.976	68.25	5.46	2.8866	27.8567	45.7671	1.973	1506.1	2567.	0.4230E 02	0.616
2800.	2.910	34.957	68.25	5.47	2.6815	27.8593	45.7926	2.058	1508.6	2763.	0.4214E 02	0.543
3000.	2.747	34.942	68.30	5.48	2.5019	27.8619	45.8154	2.142	1511.3	2959.	0.4200E 02	0.530
3200.	2.644	34.930	68.33	5.47	2.3803	27.8619	45.8298	2.226	1514.3	3155.	0.4236E 02	0.428
3400.	2.557	34.922	68.39	5.47	2.2737	27.8625	45.8433	2.311	1517.3	3350.	0.4269E 02	0.427
3600.	2.495	34.914	68.45	5.52	2.1913	27.8617	45.8529	2.397	1520.4	3546.	0.4327E 02	0.367
3800.	2.448	34.906	68.56	5.55	2.1235	27.8593	45.8594	2.484	1523.7	3741.	0.4406E 02	0.308
4000.	2.422	34.901	68.62	5.58	2.0760	27.8578	45.8647	2.573	1527.0	3936.	0.4490E 02	0.288
4200.	2.404	34.897	68.64	5.62	2.0355	27.8560	45.8692	2.664	1530.4	4131.	0.4581E 02	0.268
4400.	2.391	34.893	68.64	5.65	1.9994	27.8538	45.8727	2.757	1533.8	4326.	0.4678E 02	0.245
4500.	2.389	34.892	68.65	5.66	1.9849	27.8533	45.8747	2.804	1535.5	4423.	0.4724E 02	0.262
4600.	2.389	34.890	68.63	5.69	1.9732	27.8519	45.8756	2.851	1537.2	4520.	0.4781E 02	0.181
4700.	2.395	34.890	68.65	5.70	1.9668	27.8508	45.8763	2.899	1539.0	4618.	0.4840E 02	0.155
4800.	2.404	34.890	68.65	5.71	1.9625	27.8500	45.8769	2.948	1540.7	4715.	0.4900E 02	0.152
4900.	2.412	34.889	68.64	5.73	1.9582	27.8485	45.8770	2.997	1542.5	4812.	0.4966E 02	0.066
5000.	2.421	34.888	68.64	5.75	1.9546	27.8472	45.8772	3.047	1544.3	4909.	0.5030E 02	0.101
5100.	2.431	34.887	68.61	5.78	1.9516	27.8456	45.8770	3.098	1546.1	5006.	0.5098E 02	-0.062
5200.	2.444	34.887	68.58	5.80	1.9507	27.8444	45.8770	3.149	1547.9	5103.	0.5165E 02	0.048

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DISCOVERY 139 STATION 10853

P-DR	T-DECC	SAL-PSU	POTRAN	DO-HL/L	POTEMP	SIGMAT	SIG4000	DYNHT-H	SNDV-M/S	DRPTH-H	SVANOM	BVFR-C/HR
10.	23.235	37.278	64.47	4.60	23.2326	25.5956	41.9000	0.024	1532.7	10.	0.2385E 03	-9.990
20.	23.234	37.277	64.58	4.60	23.2303	25.5951	41.9001	0.048	1532.9	20.	0.2390E 03	0.120
30.	23.222	37.276	64.60	4.56	23.2159	25.5973	41.9038	0.072	1533.0	30.	0.2392E 03	0.956
50.	21.966	37.190	64.39	4.97	21.9558	25.8942	42.2712	0.117	1530.0	50.	0.2117E 03	6.870
75.	20.356	37.018	64.85	5.34	20.3421	26.2077	42.6803	0.165	1525.9	74.	0.1828E 03	6.318
100.	19.662	36.974	65.69	5.27	19.6432	26.3596	42.8751	0.209	1524.4	99.	0.1692E 03	4.411
125.	19.276	36.938	65.78	5.16	19.2531	26.4333	42.9739	0.251	1523.7	124.	0.1631E 03	3.088
150.	19.075	36.906	66.28	5.03	19.0478	26.4607	43.0155	0.291	1523.5	149.	0.1613E 03	1.912
200.	18.106	36.702	67.09	4.85	18.0709	26.5509	43.1722	0.371	1521.3	199.	0.1543E 03	2.450
250.	16.066	36.261	67.44	4.79	16.0263	26.7036	43.4682	0.444	1515.6	248.	0.1408E 03	3.197
300.	15.033	36.073	67.46	4.70	14.9871	26.7929	43.6338	0.513	1513.0	298.	0.1335E 03	2.460
400.	13.433	35.824	67.70	4.51	13.3761	26.9439	43.9072	0.639	1509.2	397.	0.1212E 03	2.274
500.	12.282	35.670	67.83	4.36	12.2142	27.0554	44.1106	0.756	1506.8	496.	0.1124E 03	1.977
600.	11.447	35.585	67.96	4.13	11.3693	27.1488	44.2726	0.865	1503.5	595.	0.1052E 03	1.817
700.	10.512	35.502	68.11	3.72	10.4258	27.2546	44.4561	0.966	1503.8	694.	0.9650E 02	1.945
800.	9.529	35.412	68.22	3.45	9.4354	27.3540	44.6393	1.058	1501.8	793.	0.8791E 02	1.915
900.	8.582	35.326	68.24	3.35	8.4824	27.4403	44.8084	1.142	1499.9	892.	0.8021E 02	1.819
1000.	7.853	35.290	68.28	3.50	7.7476	27.5242	44.9574	1.219	1498.8	991.	0.7276E 02	1.780
1200.	7.086	35.314	68.41	3.90	6.9642	27.6547	45.1583	1.353	1499.2	1189.	0.6216E 02	1.548
1400.	6.312	35.285	68.42	4.23	6.1761	27.7373	45.3146	1.470	1499.5	1386.	0.5533E 02	1.307
1600.	5.396	35.203	68.50	4.59	5.2489	27.7892	45.4559	1.575	1499.0	1583.	0.5014E 02	1.170
1800.	4.785	35.150	68.59	4.85	4.6261	27.8197	45.5485	1.672	1499.8	1780.	0.4729E 02	0.957
2000.	4.217	35.094	68.64	5.09	4.0461	27.8381	45.6259	1.765	1500.8	1977.	0.4516E 02	0.866
2200.	3.851	35.053	68.70	5.25	3.6661	27.8444	45.6721	1.855	1502.6	2174.	0.4459E 02	0.668
2400.	3.492	35.016	68.78	5.39	3.2927	27.8507	45.7180	1.943	1504.4	2370.	0.4371E 02	0.687
2600.	3.170	34.983	68.82	5.50	2.9566	27.8559	45.7592	2.029	1506.4	2567.	0.4280E 02	0.670
2800.	2.951	34.961	68.87	5.50	2.7217	27.8590	45.8119	2.114	1508.8	2763.	0.4244E 02	0.579
3000.	2.782	34.946	68.94	5.51	2.5358	27.8619	45.8119	2.199	1511.5	2959.	0.4224E 02	0.541
3200.	2.652	34.932	68.88	5.52	2.3883	27.8622	45.8293	2.284	1514.3	3155.	0.4239E 02	0.470
3400.	2.573	34.923	68.94	5.53	2.2899	27.8619	45.8410	2.369	1517.4	3350.	0.4288E 02	0.396
3600.	2.504	34.914	69.00	5.55	2.2004	27.8607	45.8509	2.455	1520.5	3546.	0.4344E 02	0.372
3800.	2.461	34.907	69.02	5.59	2.1366	27.8590	45.8578	2.543	1523.7	3741.	0.4420E 02	0.318
4000.	2.429	34.902	69.03	5.63	2.0828	27.8574	45.8636	2.632	1527.0	3936.	0.4500E 02	0.301
4200.	2.413	34.898	69.06	5.65	2.0437	27.8557	45.8680	2.723	1530.4	4131.	0.4592E 02	0.267
4400.	2.396	34.893	69.01	5.68	2.0042	27.8533	45.8717	2.816	1533.8	4326.	0.4688E 02	0.250
4500.	2.391	34.892	69.03	5.70	1.9870	27.8530	45.8742	2.863	1535.5	4423.	0.4729E 02	0.293
4600.	2.391	34.890	69.02	5.72	1.9745	27.8517	45.8753	2.910	1537.2	4521.	0.4784E 02	0.198
4700.	2.395	34.889	69.03	5.74	1.9663	27.8506	45.8761	2.959	1539.0	4618.	0.4842E 02	0.168
4800.	2.402	34.889	69.04	5.75	1.9607	27.8496	45.8767	3.007	1540.7	4715.	0.4902E 02	0.152
4900.	2.411	34.888	69.02	5.77	1.9572	27.8483	45.8769	3.057	1542.5	4812.	0.4966E 02	0.101
5000.	2.421	34.888	69.02	5.81	1.9540	27.8472	45.8772	3.107	1544.3	4909.	0.5029E 02	0.109
5100.	2.431	34.887	68.99	5.81	1.9507	27.8455	45.8770	3.157	1546.1	5006.	0.5098E 02	-0.064
5200.	2.441	34.887	68.95	5.84	1.9483	27.8446	45.8775	3.209	1547.9	5103.	0.5161E 02	0.130

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DISCOVERY 139 STATION 10854

P-DB	T-DECC	SAL-PSU	POTRAN	DO-HL/L	POTEHP	SIGMAT	SIG4000	DYNHT-H	SDIV-N/S	DEPTH-H	SVANOM	BVFR-C/HR
10.	23.459	37.306	64.56	4.77	23.4569	25.5505	41.8426	0.024	1533.3	10.	0.2428E 03	-9.990
20.	23.249	37.298	64.30	4.80	23.2450	25.6063	41.9102	0.048	1532.9	20.	0.2379E 03	4.221
30.	23.156	37.293	64.07	4.87	23.1493	25.6300	41.9396	0.072	1532.8	30.	0.2360E 03	2.775
50.	21.505	37.107	64.24	5.39	21.4956	25.9600	42.3641	0.117	1528.7	50.	0.2034E 03	7.241
75.	19.912	36.956	64.78	5.66	19.8982	26.2790	42.7788	0.164	1524.7	74.	0.1759E 03	6.374
100.	19.369	36.926	65.49	5.53	19.3505	26.3996	42.9336	0.207	1523.5	99.	0.1634E 03	3.933
125.	19.065	36.893	65.96	5.34	19.0428	26.4531	43.0074	0.247	1523.1	124.	0.1611E 03	2.641
150.	18.870	36.857	66.42	5.16	18.8434	26.4760	43.0442	0.288	1522.9	149.	0.1598E 03	1.754
200.	17.692	36.604	67.35	4.96	17.6578	26.5789	43.2282	0.366	1520.0	199.	0.1515E 03	2.614
250.	16.119	36.263	67.47	4.87	16.0789	26.6929	43.4540	0.440	1515.8	248.	0.1418E 03	2.771
300.	14.992	36.077	67.53	4.76	14.9464	26.8053	43.6489	0.509	1512.9	298.	0.1323E 03	2.745
400.	13.488	35.834	67.73	4.58	13.4313	26.9396	43.8986	0.636	1509.4	397.	0.1216E 03	2.151
500.	12.142	35.657	67.88	4.39	12.0753	27.0729	44.1388	0.752	1506.3	496.	0.1106E 03	2.155
600.	11.180	35.563	68.08	4.02	11.1038	27.1818	44.3265	0.857	1504.6	595.	0.1019E 03	1.957
700.	10.313	35.483	68.17	3.66	10.2275	27.2750	44.4927	0.956	1503.1	694.	0.9432E 02	1.834
800.	9.421	35.391	68.22	3.37	9.3284	27.3559	44.6504	1.047	1501.4	793.	0.8757E 02	1.745
900.	8.464	35.315	68.28	3.43	8.3453	27.4533	44.8333	1.130	1499.4	892.	0.7874E 02	1.918
1000.	7.746	35.283	68.28	3.55	7.6410	27.5348	44.9773	1.205	1498.4	991.	0.7156E 02	1.752
1200.	6.977	35.285	68.30	3.90	6.8566	27.6471	45.1610	1.338	1498.7	1189.	0.6259E 02	1.454
1400.	6.186	35.268	68.44	4.28	6.0509	27.7404	45.3294	1.454	1498.9	1386.	0.5467E 02	1.372
1600.	5.362	35.201	68.52	4.60	5.2159	27.7916	45.4615	1.558	1498.9	1583.	0.4980E 02	1.144
1800.	4.692	35.137	68.61	4.84	4.5340	27.8200	45.5578	1.655	1499.4	1780.	0.4689E 02	0.960
2000.	4.209	35.091	68.70	5.10	4.0380	27.8366	45.6253	1.747	1500.7	1977.	0.4525E 02	0.813
2200.	3.778	35.008	68.74	5.28	3.5936	27.8462	45.6812	1.836	1502.3	2174.	0.4406E 02	0.741
2400.	3.412	35.046	68.80	5.41	3.2145	27.8523	45.7275	1.923	1504.0	2371.	0.4311E 02	0.690
2600.	3.139	34.980	68.81	5.45	2.9260	27.8563	45.7627	2.009	1506.2	2567.	0.4250E 02	0.618
2800.	2.922	34.959	68.80	5.47	2.6938	27.8597	45.7917	2.093	1508.7	2763.	0.4219E 02	0.581
3000.	2.753	34.943	68.81	5.49	2.5075	27.8620	45.8149	2.177	1511.3	2959.	0.4203E 02	0.533
3200.	2.641	34.931	68.81	5.49	2.3769	27.8627	45.8309	2.262	1514.2	3155.	0.4227E 02	0.452
3400.	2.553	34.920	68.89	5.51	2.2702	27.8618	45.8429	2.347	1517.3	3351.	0.4272E 02	0.400
3600.	2.499	34.914	68.92	5.54	2.1958	27.8610	45.8515	2.433	1520.5	3546.	0.4337E 02	0.350
3800.	2.453	34.906	68.93	5.57	2.1291	27.8591	45.8587	2.520	1523.7	3741.	0.4441E 02	0.321
4000.	2.426	34.902	68.96	5.60	2.0802	27.8578	45.8643	2.609	1527.0	3937.	0.4494E 02	0.295
4200.	2.407	34.898	68.97	5.63	2.0373	27.8565	45.8694	2.700	1530.4	4132.	0.4570E 02	0.286
4400.	2.399	34.893	68.97	5.67	2.0066	27.8534	45.8716	2.793	1533.8	4326.	0.4689E 02	0.198
4500.	2.394	34.893	68.98	5.67	1.9900	27.8532	45.8741	2.840	1535.5	4424.	0.4730E 02	0.294
4600.	2.397	34.891	68.99	5.70	1.9810	27.8520	45.8749	2.887	1537.2	4521.	0.4789E 02	0.166
4700.	2.401	34.891	68.99	5.72	1.9727	27.8510	45.8758	2.936	1539.0	4618.	0.4845E 02	0.183
4800.	2.408	34.890	68.96	5.73	1.9665	27.8497	45.8763	2.984	1540.8	4715.	0.4906E 02	0.136
4900.	2.416	34.889	68.94	5.75	1.9617	27.8484	45.8766	3.034	1542.5	4813.	0.4970E 02	0.111
5000.	2.426	34.888	68.91	5.78	1.9593	27.8469	45.8764	3.084	1544.3	4910.	0.5038E 02	-0.055
5100.	2.430	34.888	68.87	5.80	1.9589	27.8458	45.8765	3.135	1546.1	5007.	0.5105E 02	0.048
5200.	2.450	34.888	68.84	5.86	1.9563	27.8448	45.8768	3.186	1547.9	5104.	0.5169E 02	0.113

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DISCOVERY 139 STATION 10R55

P-DB	T-DEGC	SAL-PSU	POTRAH	DO-HL/L	POTEMP	SIGMAT	SIG4000	DYNHT-M	SEDV-N/S	DEPTH-M	SVANOM	BVFR-C/HR
10.	23.358	37.197	63.75	4.51	23.3559	25.4974	41.7972	0.025	1532.9	10.	0.2478E 03	-0.990
20.	23.268	37.223	63.83	4.60	23.2633	25.5437	41.8483	0.049	1532.9	20.	0.2438E 03	3.851
30.	22.962	37.266	63.71	4.68	22.9558	25.6659	41.9863	0.073	1532.3	30.	0.2326E 03	6.232
50.	21.988	37.262	63.98	4.94	21.9782	25.9424	42.3165	0.117	1530.1	50.	0.2071E 03	6.629
75.	19.991	37.026	64.94	5.34	19.9766	26.3121	42.8057	0.164	1525.0	74.	0.1728E 03	6.860
100.	19.506	36.972	65.54	5.21	19.4880	26.3990	42.9237	0.206	1524.0	99.	0.1654E 03	3.347
125.	19.207	36.939	65.58	5.04	19.1839	26.4517	42.9965	0.247	1523.5	124.	0.1613E 03	2.622
150.	18.745	36.849	66.22	5.00	18.7185	26.5018	43.0778	0.286	1522.5	149.	0.1574E 03	2.567
200.	17.828	36.655	67.17	4.79	17.7938	26.5837	43.2234	0.364	1520.5	199.	0.1511E 03	2.338
250.	16.053	36.264	67.55	4.70	16.0128	26.7089	43.4743	0.436	1515.6	248.	0.1403E 03	2.902
300.	14.927	36.065	67.60	4.66	14.8815	26.8105	43.6588	0.504	1512.6	298.	0.1317E 03	2.617
400.	13.205	35.791	67.82	4.55	13.1491	26.9650	43.9455	0.629	1508.4	397.	0.1190E 03	2.304
500.	12.130	35.656	67.97	4.29	12.0629	27.0746	44.1414	0.743	1506.3	496.	0.1104E 03	1.956
600.	11.000	35.543	68.15	3.93	10.9238	27.1988	44.3579	0.848	1503.9	595.	0.1001E 03	2.090
700.	10.051	35.456	68.25	3.59	9.9674	27.3000	44.5390	0.944	1502.1	694.	0.9164E 02	1.910
800.	9.151	35.379	68.30	3.38	9.0602	27.3910	44.7079	1.032	1500.4	793.	0.8386E 02	1.836
900.	8.130	35.280	68.35	3.36	8.0337	27.4747	44.8820	1.112	1498.1	892.	0.7617E 02	1.810
1000.	7.340	35.215	68.37	3.47	7.2385	27.5400	45.0194	1.185	1496.7	991.	0.7023E 02	1.621
1200.	6.636	35.247	68.51	3.94	6.5180	27.6639	45.2089	1.315	1497.4	1189.	0.6016E 02	1.507
1400.	5.946	35.241	68.51	4.28	5.8141	27.7504	45.3616	1.428	1498.0	1386.	0.5302E 02	1.315
1600.	5.197	35.182	68.65	4.59	5.0524	27.7967	45.4823	1.530	1498.2	1583.	0.4875E 02	1.092
1800.	4.545	35.120	68.66	4.83	4.3894	27.8227	45.5748	1.624	1498.8	1781.	0.4604E 02	0.935
2000.	4.081	35.072	68.71	5.03	3.9119	27.8354	45.6367	1.715	1500.2	1977.	0.4478E 02	0.766
2200.	3.594	35.031	68.80	5.15	3.5115	27.8425	45.6859	1.803	1501.0	2174.	0.4397E 02	0.690
2400.	3.417	35.005	68.84	5.22	3.2189	27.8494	45.7243	1.890	1504.1	2371.	0.4340E 02	0.639
2600.	3.175	34.980	68.89	5.28	2.9619	27.8531	45.7560	1.977	1506.4	2567.	0.4308E 02	0.588
2800.	2.960	34.959	68.88	5.34	2.7304	27.8565	45.7849	2.063	1508.8	2763.	0.4272E 02	0.579
3000.	2.775	34.942	68.93	5.40	2.5286	27.8595	45.8103	2.148	1511.4	2959.	0.4240E 02	0.559
3200.	2.657	34.931	68.96	5.44	2.3924	27.8610	45.8277	2.233	1514.3	3155.	0.4253E 02	0.475
3400.	2.556	34.920	68.99	5.46	2.2727	27.8611	45.8420	2.318	1517.3	3351.	0.4281E 02	0.438
3600.	2.486	34.912	69.04	5.52	2.1828	27.8612	45.8532	2.404	1520.4	3546.	0.4324E 02	0.399
3800.	2.442	34.906	69.07	5.57	2.1182	27.8595	45.8601	2.492	1523.6	3742.	0.4399E 02	0.319
4000.	2.407	34.900	69.08	5.60	2.0614	27.8579	45.8664	2.580	1526.9	3937.	0.4475E 02	0.310
4200.	2.391	34.895	69.10	5.64	2.0224	27.8557	45.8702	2.671	1530.3	4132.	0.4571E 02	0.250
4400.	2.384	34.892	69.12	5.67	1.9927	27.8536	45.8732	2.763	1533.7	4327.	0.4673E 02	0.225
4500.	2.386	34.891	69.11	5.69	1.9825	27.8529	45.8746	2.810	1535.5	4424.	0.4725E 02	0.217
4600.	2.392	34.890	69.11	5.70	1.9761	27.8515	45.8749	2.858	1537.2	4521.	0.4787E 02	0.120
4700.	2.401	34.890	69.09	5.72	1.9721	27.8502	45.8751	2.906	1539.0	4618.	0.4851E 02	0.087
4800.	2.410	34.889	69.08	5.73	1.9686	27.8492	45.8756	2.955	1540.8	4716.	0.4913E 02	0.130
4900.	2.420	34.889	69.06	5.76	1.9660	27.8478	45.8756	3.004	1542.5	4813.	0.4980E 02	0.028
5000.	2.432	34.888	69.03	5.78	1.9646	27.8465	45.8755	3.054	1544.3	4910.	0.5068E 02	-0.045

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DISCOVERY 139 STATION 10856

P-DR	T-DECC	SAL-PSU	POTRAN	DO-M/L	POTEMP	SIGMAT	SIG4000	DYMH-T-H	SNDV-M/S	DEPT-H-M	SVANOP	BVFR-C/HR
10.	23.258	37.282	64.67	4.70	23.2564	25.5915	41.8945	0.024	1532.8	10.	0.2389E 03	-9.990
20.	23.196	37.279	64.46	4.68	23.1918	25.6079	41.9150	0.048	1532.8	20.	0.2377E 03	2.317
30.	23.194	37.279	64.42	4.73	23.1874	25.6080	41.9159	0.072	1532.9	30.	0.2381E 03	0.482
50.	22.536	37.259	64.16	4.92	22.5255	25.7839	42.1285	0.118	1531.6	50.	0.2222E 03	5.294
75.	21.202	37.162	64.48	5.28	21.1874	26.0863	42.5077	0.170	1528.4	74.	0.1943E 03	6.206
100.	20.125	37.054	65.42	5.24	20.1065	26.2975	42.7841	0.216	1525.8	99.	0.1751E 03	5.196
125.	19.697	37.004	64.89	5.07	19.6743	26.3731	42.8873	0.259	1525.0	124.	0.1688E 03	3.129
150.	19.405	36.980	66.04	5.11	19.3778	26.4315	42.9650	0.300	1524.5	149.	0.1641E 03	2.758
200.	18.555	36.829	67.18	4.90	18.6194	26.5092	43.0940	0.381	1523.1	199.	0.1584E 03	2.275
250.	17.029	36.479	67.64	4.80	16.9875	26.6437	43.3405	0.457	1518.8	248.	0.1468E 03	2.996
300.	15.907	36.247	67.70	4.67	15.8594	26.7293	43.5072	0.529	1515.9	298.	0.1399E 03	2.416
400.	13.723	35.875	67.82	4.42	13.6648	26.9228	43.8641	0.661	1510.2	397.	0.1233E 03	2.573
500.	12.193	35.666	67.92	4.33	12.1262	27.0696	44.1314	0.778	1506.5	496.	0.1110E 03	2.262
600.	11.305	35.574	68.11	4.03	11.2275	27.1672	44.3021	0.885	1505.0	595.	0.1034E 03	1.858
700.	10.158	35.450	68.24	3.47	10.0735	27.2769	44.5077	0.984	1502.5	694.	0.9394E 02	1.999
800.	8.885	35.302	68.30	3.17	8.7954	27.3739	44.7148	1.073	1499.3	793.	0.8503E 02	1.934
900.	7.869	35.213	68.31	3.23	7.7748	27.4607	44.8921	1.154	1497.1	892.	0.7699E 02	1.837
1000.	7.249	35.201	68.35	3.53	7.1474	27.5423	45.0300	1.227	1496.4	991.	0.6982E 02	1.730
1200.	6.641	35.249	68.36	3.93	6.5230	27.6648	45.2093	1.356	1497.4	1189.	0.6009E 02	1.487
1400.	6.027	35.260	68.50	4.30	5.8940	27.7553	45.3587	1.468	1498.3	1386.	0.5281E 02	1.325
1500.	5.228	35.189	68.60	4.64	5.0838	27.7993	45.4808	1.570	1498.3	1584.	0.4871E 02	1.081
1800.	4.581	35.124	68.64	4.86	4.4249	27.8221	45.5706	1.665	1499.0	1781.	0.4624E 02	0.915
2000.	4.055	35.070	68.70	5.09	3.8866	27.8361	45.6399	1.755	1500.1	1978.	0.4460E 02	0.807
2200.	3.700	35.035	68.72	5.09	3.5167	27.8448	45.6877	1.844	1501.9	2174.	0.4378E 02	0.690
2400.	3.420	35.009	68.83	5.36	3.2222	27.8522	45.7266	1.931	1504.1	2371.	0.4317E 02	0.645
2600.	3.150	34.982	68.86	5.45	2.9375	27.8565	45.7617	2.016	1506.3	2567.	0.4262E 02	0.620
2800.	2.925	34.960	68.88	5.47	2.6966	27.8602	45.7919	2.101	1508.7	2763.	0.4217E 02	0.592
3000.	2.766	34.944	68.90	5.50	2.5202	27.8619	45.8136	2.185	1511.4	2959.	0.4212E 02	0.514
3200.	2.628	34.930	68.92	5.50	2.3641	27.8632	45.8327	2.269	1514.2	3155.	0.4213E 02	0.495
3400.	2.542	34.919	68.96	5.55	2.2589	27.8620	45.8442	2.354	1517.2	3351.	0.4262E 02	0.391
3600.	2.490	34.913	69.00	5.56	2.1864	27.8610	45.8527	2.440	1520.4	3546.	0.4329E 02	0.344
3800.	2.450	34.906	69.00	5.58	2.1256	27.8595	45.8594	2.527	1523.7	3742.	0.4400E 02	0.314
4000.	2.421	34.902	69.01	5.61	2.0750	27.8582	45.8652	2.616	1527.0	3937.	0.4486E 02	0.301
4200.	2.402	34.897	69.03	5.63	2.0338	27.8564	45.8697	2.707	1530.4	4132.	0.4576E 02	0.269
4400.	2.392	34.893	69.04	5.66	2.0003	27.8539	45.8727	2.799	1533.8	4327.	0.4678E 02	0.226
4500.	2.389	34.892	69.00	5.68	1.9855	27.8534	45.8748	2.846	1535.5	4424.	0.4724E 02	0.264
4600.	2.389	34.891	69.03	5.70	1.9731	27.8525	45.8762	2.894	1537.2	4521.	0.4776E 02	0.223
4700.	2.396	34.890	69.03	5.72	1.9671	27.8511	45.8765	2.942	1539.0	4619.	0.4838E 02	0.115
4800.	2.404	34.890	69.02	5.74	1.9633	27.8501	45.8769	2.991	1540.7	4716.	0.4900E 02	0.128
4900.	2.415	34.889	68.98	5.75	1.9609	27.8488	45.8769	3.040	1542.5	4813.	0.4966E 02	0.053
5000.	2.426	34.889	69.00	5.77	1.9592	27.8475	45.8769	3.090	1544.3	4910.	0.5033E 02	0.039
5100.	2.438	34.888	68.99	5.80	1.9580	27.8461	45.8768	3.141	1546.1	5007.	0.5101E 02	-0.053

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DISCOVERY 139 STATION 1085H

P-DB	T-DEGC	SAI-PSU	POTRAM	DO-ML/L	POTEHP	SIGMAT	SIG4000	DYNHT-M	SNDV-H/S	DEPTH-M	SVANOM	IVFR-C/HR
10.	23.462	37.039	64.15	4.54	23.4597	25.3474	41.6452	0.026	1533.0	10.	0.2621F 03	-9.990
20.	23.449	37.038	64.19	4.58	23.4448	25.3504	41.6496	0.052	1533.1	20.	0.2622F 03	1.060
30.	23.297	37.026	63.81	4.63	23.2911	25.3858	41.6939	0.079	1532.9	30.	0.2593F 03	3.376
50.	22.766	37.030	63.75	4.80	22.7558	25.5437	41.8812	0.130	1531.9	50.	0.2450F 03	5.020
75.	21.490	37.039	64.46	5.10	21.4758	25.9126	42.3208	0.185	1529.0	75.	0.2109F 03	6.847
100.	20.323	37.022	65.03	5.06	20.3037	26.2200	42.6960	0.234	1526.3	99.	0.1825F 03	6.258
125.	19.519	36.923	65.95	4.76	19.4957	26.3577	42.8843	0.278	1524.4	124.	0.1703F 03	4.208
150.	19.237	36.905	66.51	4.74	19.2093	26.4183	42.9635	0.320	1524.0	149.	0.1654E 03	2.806
200.	18.779	36.864	67.28	4.78	18.7430	26.5049	43.0814	0.401	1523.5	199.	0.1588E 03	2.386
250.	16.648	36.377	67.58	4.45	16.6068	26.6566	43.3805	0.477	1517.5	248.	0.1455E 03	3.190
300.	15.306	36.127	67.61	4.33	15.2592	26.7737	43.5948	0.547	1513.9	298.	0.1354F 03	2.808
400.	13.323	35.807	67.78	4.11	13.2661	26.9533	43.9249	0.675	1508.8	397.	0.1202E 03	2.479
500.	12.020	35.646	67.90	3.77	11.9537	27.0876	44.1629	0.789	1505.9	496.	0.1091E 03	2.160
600.	10.959	35.536	68.13	3.66	10.8838	27.2007	44.3632	0.893	1503.8	595.	0.9983E 02	1.999
700.	9.593	35.361	68.17	3.08	9.5111	27.3034	44.5819	0.989	1500.3	694.	0.9070F 02	1.967
800.	8.473	35.240	68.25	2.94	8.3856	27.3902	44.7671	1.075	1497.7	793.	0.8285E 02	1.831
900.	7.474	35.157	68.23	3.12	7.3820	27.4750	44.9420	1.153	1495.5	892.	0.7492F 02	1.819
1000.	6.964	35.138	68.22	3.30	6.8653	27.5331	45.0474	1.226	1495.2	991.	0.7008E 02	1.489
1200.	6.447	35.190	68.27	3.77	6.3313	27.6446	45.2079	1.357	1496.5	1189.	0.6146E 02	1.416
1400.	5.730	35.194	68.39	4.22	5.6000	27.7403	45.3724	1.471	1497.0	1386.	0.5328F 02	1.374
1600.	5.026	35.151	68.41	4.58	4.8841	27.7925	45.4947	1.573	1497.5	1584.	0.4853E 02	1.122
1800.	4.405	35.097	68.53	4.81	4.2515	27.8198	45.5857	1.667	1498.2	1781.	0.4573E 02	0.936
2000.	3.939	35.051	68.59	5.02	3.7725	27.8334	45.6488	1.757	1499.6	1978.	0.4431E 02	0.776
2200.	3.627	35.026	68.68	5.26	3.4450	27.8456	45.6957	1.844	1501.6	2174.	0.4334E 02	0.704
2400.	3.344	35.001	68.74	5.35	3.1477	27.8532	45.7351	1.930	1503.7	2371.	0.4266E 02	0.649
2600.	3.086	34.976	68.77	5.43	2.8743	27.8582	45.7698	2.015	1506.0	2567.	0.4209E 02	0.619
2800.	2.877	34.955	68.78	5.46	2.6490	27.8610	45.7976	2.099	1508.5	2764.	0.4177E 02	0.566
3000.	2.726	34.941	68.82	5.49	2.4814	27.8629	45.8185	2.182	1511.2	2960.	0.4176E 02	0.506
3200.	2.620	34.928	68.86	5.50	2.3571	27.8620	45.8323	2.266	1514.2	3155.	0.4217E 02	0.415
3400.	2.546	34.920	68.90	5.52	2.2632	27.8618	45.8436	2.351	1517.2	3351.	0.4267E 02	0.390
3600.	2.487	34.912	68.92	5.54	2.1843	27.8612	45.8530	2.437	1520.4	3547.	0.4326E 02	0.364
3800.	2.445	34.906	68.96	5.56	2.1212	27.8596	45.8599	2.524	1523.7	3742.	0.4401E 02	0.317
4000.	2.419	34.901	69.00	5.60	2.0733	27.8580	45.8652	2.613	1527.0	3937.	0.4486E 02	0.286
4200.	2.396	34.896	68.98	5.63	2.0272	27.8561	45.8701	2.703	1530.3	4132.	0.4572E 02	0.280
4400.	2.386	34.893	69.00	5.68	1.9944	27.8541	45.8735	2.796	1533.7	4327.	0.4670E 02	0.241
4500.	2.385	34.892	69.01	5.68	1.9814	27.8532	45.8750	2.843	1535.5	4424.	0.4722E 02	0.227
4600.	2.388	34.891	69.02	5.70	1.9722	27.8523	45.8761	2.890	1537.2	4522.	0.4776E 02	0.198
4700.	2.394	34.890	69.00	5.72	1.9660	27.8510	45.8765	2.938	1539.0	4619.	0.4838E 02	0.127
4800.	2.402	34.889	69.00	5.75	1.9611	27.8499	45.8770	2.987	1540.7	4716.	0.4899E 02	0.134
4900.	2.413	34.889	68.97	5.77	1.9591	27.8486	45.8770	3.036	1542.5	4813.	0.4965E 02	0.053
5000.	2.426	34.889	68.98	5.77	1.9586	27.8475	45.8770	3.086	1544.3	4910.	0.5032E 02	0.028
5100.	2.438	34.888	68.95	5.79	1.9581	27.8461	45.8768	3.137	1546.1	5008.	0.5102E 02	-0.083

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P-DB	T-DEGC	SAL-PSU	POTRAN	DO-ML/L	POTEMP	SIGMAT	SIGC4000	DYNHT-H	SNDV-H/S	DEPTH-H	SVANOM	RVFR-C/HR
10.	23.511	37.023	60.80	4.68	23.5093	25.3207	41.6163	0.027	1533.1	10.	0.2647E 03	-9.990
20.	23.457	37.019	64.42	4.72	23.4531	25.3332	41.6325	0.053	1533.1	20.	0.2639E 03	2.041
30.	23.415	37.009	64.28	4.78	23.4085	25.3383	41.6407	0.079	1533.2	30.	0.2638E 03	1.345
50.	22.615	37.173	63.72	5.04	22.6049	25.6954	42.0378	0.130	1531.7	50.	0.2306E 03	7.529
75.	20.962	37.118	65.04	5.34	20.9473	26.1196	42.5555	0.181	1527.7	75.	0.1912E 03	7.341
100.	20.255	37.054	65.77	5.24	20.2359	26.2627	42.7419	0.228	1526.1	99.	0.1785E 03	4.284
125.	19.658	36.971	65.69	4.92	19.6348	26.3580	42.8753	0.271	1524.8	124.	0.1703E 03	3.508
150.	19.370	36.923	66.45	4.78	19.3423	26.3967	42.9336	0.313	1524.4	149.	0.1674E 03	2.262
200.	18.184	36.686	67.31	4.59	18.1487	26.5192	43.1361	0.394	1521.6	199.	0.1573E 03	2.841
250.	16.597	36.358	67.46	4.52	16.5556	26.6540	43.3816	0.470	1517.3	248.	0.1457E 03	2.999
300.	15.419	36.144	67.44	4.46	15.3721	26.7616	43.5746	0.540	1514.3	298.	0.1366E 03	2.691
400.	13.517	35.833	67.56	4.45	13.4599	26.9330	43.8900	0.670	1509.5	397.	0.1222E 03	2.423
500.	12.126	35.654	67.72	3.79	12.0595	27.0734	44.1405	0.786	1506.3	496.	0.1106E 03	2.209
600.	10.718	35.479	67.93	3.27	10.6435	27.1999	44.3827	0.891	1502.9	595.	0.9964E 02	2.130
700.	9.267	35.297	67.99	2.80	9.1875	27.3075	44.6142	0.986	1499.1	694.	0.8986E 02	2.015
800.	7.916	35.132	68.05	2.81	7.8327	27.3901	44.8172	1.071	1495.5	793.	0.8194E 02	1.829
900.	7.295	35.121	68.11	3.07	7.2038	27.4726	44.9561	1.149	1494.8	892.	0.7480E 02	1.736
1000.	6.980	35.137	68.15	3.28	6.8812	27.5301	45.0431	1.222	1495.2	991.	0.7038E 02	1.438
1200.	6.396	35.196	68.16	3.82	6.2810	27.6560	45.2236	1.353	1496.3	1189.	0.6027E 02	1.501
1400.	5.699	35.195	68.34	4.25	5.5700	27.7449	45.3798	1.465	1496.9	1386.	0.5276E 02	1.332
1600.	4.952	35.140	68.44	4.57	4.8106	27.7922	45.5016	1.566	1497.2	1584.	0.4829E 02	1.099
1800.	4.387	35.094	68.54	4.80	4.2332	27.8195	45.5872	1.659	1498.1	1781.	0.4569E 02	0.917
2000.	3.900	35.046	68.54	4.95	3.7337	27.8336	45.6530	1.749	1499.4	1978.	0.4411E 02	0.792
2200.	3.580	35.016	68.56	5.05	3.3988	27.8419	45.6968	1.837	1501.4	2175.	0.4344E 02	0.663
2400.	3.346	34.996	68.58	5.17	3.1490	27.8489	45.7309	1.923	1503.7	2371.	0.4306E 02	0.608
2600.	3.126	34.976	68.61	5.28	2.9131	27.8547	45.7625	2.009	1506.2	2568.	0.4264E 02	0.598
2800.	2.932	34.959	68.67	5.40	2.7030	27.8587	45.7897	2.094	1508.7	2764.	0.4234E 02	0.567
3000.	2.764	34.942	68.68	5.43	2.5179	27.8606	45.8125	2.179	1511.4	2960.	0.4222E 02	0.527
3200.	2.633	34.930	68.71	5.48	2.3694	27.8627	45.8317	2.263	1514.2	3156.	0.4221E 02	0.498
3400.	2.543	34.919	68.76	5.51	2.2602	27.8618	45.8440	2.348	1517.2	3351.	0.4264E 02	0.404
3600.	2.436	34.905	68.84	5.56	2.1122	27.8594	45.8607	2.521	1523.6	3742.	0.4394E 02	0.331
3800.	2.405	34.900	68.88	5.59	2.0591	27.8584	45.8670	2.610	1526.9	3937.	0.4469E 02	0.313
4000.	2.386	34.896	68.89	5.61	2.0173	27.8564	45.8714	2.700	1530.3	4132.	0.4560E 02	0.264
4200.	2.374	34.892	68.89	5.65	1.9828	27.8542	45.8748	2.792	1533.7	4327.	0.4658E 02	0.242
4400.	2.375	34.891	68.89	5.67	1.9714	27.8533	45.8761	2.839	1535.4	4425.	0.4710E 02	0.214
4600.	2.379	34.889	68.89	5.69	1.9635	27.8519	45.8766	2.886	1537.2	4522.	0.4770E 02	0.135
4700.	2.387	34.889	68.86	5.70	1.9587	27.8508	45.8771	2.934	1538.9	4619.	0.4832E 02	0.131
4800.	2.399	34.889	68.84	5.72	1.9583	27.8495	45.8769	2.983	1540.7	4716.	0.4899E 02	-0.069
4900.	2.412	34.888	68.84	5.74	1.9580	27.8484	45.8769	3.032	1542.5	4814.	0.4966E 02	0.032
5000.	2.425	34.888	68.85	5.75	1.9579	27.8472	45.8768	3.082	1544.3	4911.	0.5034E 02	-0.062
5100.	2.438	34.888	68.85	5.77	1.9577	27.8461	45.8769	3.133	1546.1	5008.	0.5101E 02	0.055

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DISCOVERY 139 STATION 10860

P-DB	T-DEGC	SAL-PSU	POTRAN	DO-MIL/L	POTEMP	SIGMAT	SIG4000	DYNHT-H	SHDV-I/S	DEPTH-M	SVANOM	BVFR-C/HIR
10.	23.614	36.808	64.26	4.59	23.6118	25.1269	41.4220	0.028	1533.1	10.	0.2831E 03	-9.990
20.	23.487	36.808	64.17	4.64	23.4830	25.1649	41.4673	0.056	1533.0	20.	0.2799E 03	3.493
30.	23.413	36.804	64.16	4.57	23.4065	25.1834	41.4905	0.084	1533.0	30.	0.2785E 03	2.459
50.	23.174	36.918	64.55	4.62	23.1632	25.3405	41.6589	0.139	1532.8	50.	0.2644E 03	5.001
75.	21.538	36.977	64.79	4.91	21.5233	25.8525	42.2594	0.199	1529.1	75.	0.2156E 03	8.064
100.	20.440	36.994	65.10	4.77	20.4211	26.1664	42.6364	0.249	1526.6	99.	0.1876E 03	6.323
125.	19.484	36.879	66.42	4.34	19.4611	26.3332	42.8629	0.294	1524.2	124.	0.1726E 03	4.627
150.	17.971	36.544	66.88	3.68	17.9451	26.4633	43.0941	0.336	1519.9	149.	0.1608E 03	4.119
200.	16.536	36.279	67.15	3.22	16.5229	26.6028	43.3325	0.413	1516.3	199.	0.1489E 03	3.029
250.	15.300	36.050	67.29	3.26	15.2612	26.7156	43.5367	0.485	1513.0	248.	0.1394E 03	2.744
300.	14.659	36.000	67.50	3.81	14.6136	26.8191	43.6875	0.553	1511.7	298.	0.1308E 03	2.614
400.	12.939	35.738	67.60	3.54	12.8932	26.9775	43.9787	0.677	1507.5	397.	0.1176E 03	2.330
500.	11.689	35.592	67.83	3.39	11.6237	27.1090	44.2106	0.789	1504.7	496.	0.1068E 03	2.136
600.	10.309	35.417	67.96	2.91	10.2359	27.2249	44.4415	0.890	1501.3	595.	0.9683E 02	2.049
700.	8.909	35.236	68.06	2.70	8.8313	27.3179	44.6557	0.984	1497.7	694.	0.8839E 02	1.894
800.	7.637	35.082	68.11	2.75	7.5551	27.3922	44.8446	1.068	1494.4	793.	0.8129E 02	1.746
900.	6.897	35.017	68.14	2.88	6.8090	27.4465	44.9679	1.147	1493.1	892.	0.7648E 02	1.485
1000.	6.554	35.030	68.13	3.14	6.4579	27.5043	45.0580	1.222	1493.4	991.	0.7188E 02	1.448
1200.	6.038	35.099	68.18	3.65	5.9255	27.6262	45.2288	1.355	1494.8	1189.	0.6210E 02	1.472
1400.	5.450	35.119	68.34	4.12	5.3232	27.7161	45.3760	1.472	1495.8	1387.	0.5465E 02	1.318
1600.	4.740	35.080	68.39	4.47	4.6011	27.7691	45.5000	1.576	1496.2	1584.	0.4965E 02	1.130
1800.	4.164	35.036	68.47	4.76	4.0136	27.7975	45.5880	1.672	1497.1	1781.	0.4679E 02	0.930
2000.	3.805	35.014	68.46	4.89	3.6399	27.8175	45.6469	1.764	1499.0	1978.	0.4514E 02	0.790
2200.	3.543	34.996	68.43	5.02	3.3626	27.8295	45.6886	1.853	1501.2	2175.	0.4438E 02	0.671
2400.	3.344	34.982	68.50	5.14	3.1472	27.8382	45.7208	1.942	1503.7	2371.	0.4402E 02	0.603
2600.	3.180	34.975	68.59	5.19	2.9668	27.8487	45.7512	2.029	1506.4	2568.	0.4351E 02	0.612
2800.	2.995	34.964	68.67	5.31	2.7651	27.8571	45.7819	2.116	1509.0	2764.	0.4290E 02	0.616
3000.	2.810	34.946	68.68	5.29	2.5637	27.8591	45.8063	2.201	1511.6	2960.	0.4269E 02	0.545
3200.	2.673	34.932	68.72	5.32	2.4086	27.8604	45.8255	2.286	1514.4	3156.	0.4271E 02	0.496
3400.	2.575	34.922	68.77	5.39	2.2913	27.8615	45.8405	2.372	1517.4	3352.	0.4292E 02	0.452
3600.	2.497	34.913	68.83	5.47	2.1935	27.8608	45.8517	2.458	1520.5	3547.	0.4337E 02	0.397
3800.	2.437	34.905	68.85	5.51	2.1128	27.8597	45.8609	2.546	1523.6	3743.	0.4392E 02	0.369
4000.	2.403	34.899	68.87	5.54	2.0575	27.8577	45.8666	2.634	1526.9	3938.	0.4473E 02	0.296
4200.	2.382	34.895	68.90	5.57	2.0143	27.8564	45.8717	2.724	1530.3	4133.	0.4557E 02	0.287
4400.	2.377	34.892	68.91	5.60	1.9852	27.8542	45.8746	2.817	1533.7	4328.	0.4660E 02	0.220
4500.	2.374	34.891	68.91	5.61	1.9709	27.8532	45.8761	2.863	1535.4	4425.	0.4710E 02	0.231
4600.	2.381	34.889	68.90	5.65	1.9648	27.8519	45.8764	2.911	1537.2	4522.	0.4772E 02	0.113
4700.	2.390	34.889	68.87	5.66	1.9621	27.8506	45.8765	2.959	1538.9	4620.	0.4837E 02	0.069
4800.	2.402	34.889	68.86	5.67	1.9612	27.8495	45.8766	3.008	1540.7	4717.	0.4902E 02	0.057
4900.	2.415	34.889	68.85	5.69	1.9609	27.8483	45.8765	3.057	1542.5	4814.	0.4970E 02	-0.057
5000.	2.428	34.888	68.84	5.71	1.9611	27.8470	45.8763	3.107	1544.3	4911.	0.5040E 02	-0.084
5100.	2.441	34.889	68.86	5.73	1.9611	27.8461	45.8765	3.158	1546.1	5008.	0.5105E 02	0.083

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DISCOVERY 139 STATION 10861

P-DB	T-DEGC	SAL-PSU	POTSRAN	DO-ML/L	POTEMP	SIGHIAT	SIG4000	DYNHT-M	SNDV-N/S	DEPTH-M	SVANOM	BVFR-C/HR
10.	23.425	37.016	64.47	4.56	23.4229	25.3409	41.6412	0.026	1532.9	10.	0.2627E 03	-9.990
20.	23.326	37.011	64.61	4.50	23.3217	25.3662	41.6725	0.052	1532.8	20.	0.2607E 03	2.862
30.	23.144	37.002	64.73	4.50	23.1380	25.4122	41.7289	0.078	1532.5	30.	0.2567E 03	3.837
50.	22.921	37.032	65.01	4.64	22.9108	25.5001	41.8293	0.129	1532.3	50.	0.2492E 03	3.754
75.	21.159	37.041	64.36	5.10	21.1448	26.0064	42.4330	0.184	1528.1	75.	0.2019E 03	8.020
100.	20.054	36.961	64.73	5.09	20.0354	26.2453	42.7382	0.231	1525.5	99.	0.1801E 03	5.523
125.	19.638	36.940	65.12	4.88	19.6147	26.3399	42.8592	0.275	1524.7	124.	0.1720E 03	3.491
150.	19.375	36.917	66.49	4.76	19.3479	26.3907	42.9274	0.318	1524.4	149.	0.1680E 03	2.574
200.	19.013	36.865	67.26	4.74	18.9765	26.4457	43.0081	0.401	1524.1	190.	0.1645E 03	1.919
250.	18.468	36.757	67.42	4.65	18.4235	26.5024	43.1030	0.482	1523.3	248.	0.1607E 03	1.960
300.	16.910	36.425	67.46	4.11	16.8602	26.6313	43.3396	0.560	1519.2	298.	0.1496E 03	2.947
400.	14.041	35.892	67.25	3.65	13.9823	26.8687	43.7871	0.699	1511.3	397.	0.1287E 03	2.851
500.	12.198	35.646	67.36	3.35	12.1306	27.0533	44.1153	0.820	1506.5	496.	0.1125E 03	2.528
600.	9.844	35.269	67.35	1.97	9.7734	27.1891	44.4468	0.925	1499.5	595.	0.9965E 02	2.271
700.	8.363	35.081	67.40	1.87	8.2881	27.2828	44.6706	1.020	1495.5	694.	0.9090E 02	1.911
800.	7.640	35.011	67.38	2.01	7.5585	27.3361	44.7903	1.108	1494.3	793.	0.8653E 02	1.452
900.	7.244	34.985	67.43	2.17	7.1535	27.3729	44.8648	1.194	1494.4	892.	0.8400E 02	1.203
1000.	6.789	35.005	67.64	2.72	6.6913	27.4520	44.9856	1.275	1494.3	991.	0.7725E 02	1.685
1200.	6.174	35.105	68.06	3.55	6.0602	27.6137	45.2039	1.417	1495.4	1189.	0.6361E 02	1.682
1400.	5.575	35.130	68.24	4.08	5.4474	27.7092	45.3572	1.536	1496.3	1387.	0.5568E 02	1.352
1600.	4.834	35.103	68.29	4.49	4.6947	27.7761	45.4976	1.641	1496.6	1584.	0.4934E 02	1.229
1800.	4.253	35.056	68.38	4.82	4.1017	27.8042	45.5857	1.737	1497.5	1781.	0.4653E 02	0.930
2000.	3.860	35.023	68.45	4.98	3.6941	27.8193	45.6432	1.829	1499.2	1978.	0.4523E 02	0.756
2200.	3.595	35.007	68.45	5.07	3.4139	27.8333	45.6870	1.918	1501.4	2175.	0.4430E 02	0.694
2400.	3.358	34.996	68.52	5.09	3.1612	27.8477	45.7285	2.006	1503.8	2371.	0.4323E 02	0.698
2600.	3.132	34.975	68.59	5.16	2.9199	27.8529	45.7600	2.092	1506.2	2568.	0.4285E 02	0.594
2800.	2.937	34.957	68.61	5.23	2.7079	27.8566	45.7872	2.177	1508.7	2764.	0.4256E 02	0.565
3000.	2.760	34.940	68.63	5.28	2.5141	27.8592	45.8115	2.262	1511.4	2960.	0.4233E 02	0.545
3200.	2.631	34.929	68.66	5.35	2.3676	27.8616	45.8308	2.347	1514.2	3156.	0.4229E 02	0.502
3400.	2.543	34.919	68.73	5.45	2.2604	27.8616	45.8437	2.432	1517.2	3352.	0.4267E 02	0.417
3600.	2.466	34.910	68.78	5.50	2.1632	27.8609	45.8550	2.517	1520.3	3547.	0.4310E 02	0.397
3800.	2.409	34.903	68.81	5.53	2.0857	27.8599	45.8639	2.604	1523.5	3743.	0.4366E 02	0.363
4000.	2.380	34.897	68.82	5.57	2.0350	27.8580	45.8692	2.692	1526.8	3938.	0.4450E 02	0.285
4200.	2.360	34.892	68.85	5.60	1.9924	27.8560	45.8736	2.782	1530.2	4133.	0.4539E 02	0.268
4400.	2.359	34.890	68.87	5.63	1.9681	27.8537	45.8758	2.874	1533.6	4328.	0.4647E 02	0.196
4500.	2.364	34.888	68.83	5.64	1.9612	27.8523	45.8762	2.921	1535.4	4425.	0.4708E 02	0.123
4600.	2.375	34.888	68.78	5.66	1.9596	27.8515	45.8766	2.968	1537.2	4522.	0.4770E 02	0.112
4700.	2.387	34.888	68.78	5.68	1.9592	27.8503	45.8765	3.016	1538.9	4620.	0.4837E 02	-0.062
4800.	2.400	34.888	68.71	5.70	1.9586	27.8494	45.8768	3.065	1540.7	4717.	0.4900E 02	0.101
4900.	2.412	34.888	68.80	5.71	1.9582	27.8483	45.8768	3.114	1542.5	4814.	0.4967E 02	-0.023
5000.	2.425	34.888	68.81	5.72	1.9576	27.8469	45.8766	3.164	1544.3	4911.	0.5036E 02	-0.073
5100.	2.437	34.888	68.79	5.79	1.9571	27.8457	45.8766	3.215	1546.1	5008.	0.5103E 02	0.016

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DISCOVERY 139 STATION 10862

P-DB	T-DEGC	SAL-FSU	POTRAN	DO-ML/L	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/HR
10.	23.525	36.866	54.71	4.66	23.5226	25.1974	41.4958	0.028	1533.0	10.	0.2764E 03	-9.990
20.	23.376	36.866	63.74	4.68	23.3715	25.2412	41.5481	0.055	1532.8	20.	0.2726E 03	3.747
30.	23.230	36.934	63.81	4.74	23.2242	25.3353	41.6490	0.082	1532.6	30.	0.2641E 03	5.471
50.	22.705	37.045	64.48	4.90	22.6947	25.5725	41.9130	0.133	1531.8	50.	0.2422E 03	6.144
75.	20.978	37.012	64.76	5.18	20.9640	26.0339	42.4712	0.187	1527.6	75.	0.1993E 03	7.654
100.	19.831	36.940	64.28	4.90	19.8125	26.2889	42.7953	0.233	1524.8	99.	0.1759E 03	5.706
125.	19.270	36.896	66.55	4.84	19.2471	26.4025	42.9445	0.276	1523.6	124.	0.1660E 03	3.822
150.	18.981	36.851	67.15	4.82	18.9545	26.4427	43.0044	0.317	1523.2	149.	0.1630E 03	2.302
200.	18.433	36.744	67.37	4.66	18.3979	26.5012	43.1014	0.398	1522.3	199.	0.1591E 03	1.982
250.	17.242	36.493	67.49	4.17	17.1998	26.6031	43.2861	0.475	1519.4	248.	0.1508E 03	2.613
300.	15.662	36.161	67.43	3.76	15.6144	26.7200	43.5163	0.548	1515.1	298.	0.1406E 03	2.817
400.	13.363	35.768	67.41	3.52	13.3063	26.9150	43.8847	0.680	1508.9	397.	0.1238E 03	2.587
500.	12.226	35.658	67.71	3.54	12.1586	27.0574	44.1169	0.798	1506.6	496.	0.1122E 03	2.208
600.	10.539	35.433	67.85	2.85	10.4652	27.1960	44.3940	0.903	1502.2	595.	0.0980E 02	2.239
700.	9.259	35.274	67.98	2.55	9.1795	27.2908	44.5988	0.998	1499.0	694.	0.0914E 02	1.894
800.	7.771	35.102	68.02	2.68	7.6877	27.3888	44.8292	1.085	1494.9	793.	0.0818E 02	1.975
900.	6.936	35.029	67.99	2.93	6.8482	27.4505	44.9680	1.164	1493.3	892.	0.07618E 02	1.578
1000.	6.682	35.075	68.09	3.29	6.5852	27.5219	45.0629	1.238	1494.0	991.	0.07052E 02	1.569
1200.	6.024	35.124	68.19	3.87	5.9118	27.6479	45.2510	1.368	1494.8	1189.	0.0605E 02	1.512
1400.	5.270	35.111	68.33	4.29	5.1448	27.7317	45.4083	1.481	1495.1	1387.	0.0526E 02	1.313
1600.	4.632	35.085	68.42	4.61	4.4946	27.7853	45.5262	1.581	1495.8	1584.	0.04776E 02	1.117
1800.	4.135	35.045	68.51	4.84	3.9852	27.8078	45.6008	1.674	1497.0	1781.	0.04572E 02	0.850
2000.	3.798	35.023	68.50	5.00	3.6336	27.8254	45.6552	1.765	1498.9	1978.	0.04439E 02	0.755
2200.	3.504	34.999	68.50	5.09	3.3248	27.8362	45.6989	1.853	1501.0	2175.	0.04357E 02	0.677
2400.	3.295	34.984	68.53	5.18	3.0992	27.8443	45.7316	1.939	1503.5	2371.	0.04319E 02	0.603
2600.	3.105	34.971	68.61	5.25	2.8931	27.8521	45.7621	2.025	1506.1	2568.	0.04275E 02	0.599
2800.	2.930	34.957	68.67	5.36	2.7011	27.8577	45.7890	2.111	1508.7	2764.	0.04242E 02	0.570
3000.	2.757	34.941	68.70	5.36	2.5112	27.8601	45.8128	2.195	1511.3	2960.	0.04222E 02	0.540
3200.	2.615	34.927	68.73	5.39	2.3514	27.8618	45.8327	2.280	1514.1	3156.	0.04215E 02	0.506
3400.	2.517	34.917	68.81	5.46	2.2351	27.8623	45.8470	2.364	1517.1	3352.	0.04240E 02	0.440
3600.	2.451	34.909	68.84	5.51	2.1491	27.8614	45.8569	2.450	1520.3	3547.	0.04293E 02	0.373
3800.	2.401	34.901	68.90	5.55	2.0779	27.8597	45.8644	2.536	1523.5	3743.	0.04361E 02	0.333
4000.	2.374	34.897	68.92	5.57	2.0296	27.8582	45.8699	2.624	1526.8	3938.	0.04443E 02	0.290
4200.	2.360	34.893	68.94	5.61	1.9921	27.8565	45.8741	2.714	1530.2	4133.	0.04534E 02	0.259
4400.	2.365	34.891	68.96	5.64	1.9733	27.8541	45.8757	2.806	1533.6	4328.	0.04648E 02	0.168
4500.	2.368	34.889	68.92	5.66	1.9643	27.8528	45.8763	2.852	1535.4	4425.	0.04707E 02	0.148
4600.	2.378	34.889	68.90	5.68	1.9628	27.8517	45.8765	2.900	1537.2	4522.	0.04771E 02	0.083
4700.	2.390	34.889	68.88	5.68	1.9616	27.8508	45.8767	2.948	1538.9	4619.	0.04835E 02	0.086
4800.	2.403	34.888	68.90	5.71	1.9618	27.8492	45.8762	2.997	1540.7	4717.	0.04906E 02	-0.126
4900.	2.416	34.888	68.89	5.72	1.9617	27.8478	45.8759	3.046	1542.5	4814.	0.04975E 02	-0.091
5000.	2.429	34.888	68.90	5.77	1.9617	27.8469	45.8761	3.096	1544.3	4911.	0.05041E 02	0.076

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DISCOVERY 139 STATION 10863

P-DB	T-DEGC	SAL-PSU	POTRAN	DO-ML/L	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/HR
10.	23.370	36.847	63.60	4.49	23.3680	25.2284	41.5353	0.027	1532.6	10.	0.2734E 03	-9.990
20.	23.368	36.848	63.66	4.54	23.3636	25.2304	41.5382	0.055	1532.7	20.	0.2736E 03	0.913
30.	23.181	36.842	63.84	4.65	23.1751	25.2805	41.5988	0.082	1532.4	30.	0.2693E 03	4.002
50.	22.880	36.809	63.40	4.80	22.8702	25.3424	41.6788	0.135	1531.9	50.	0.2642E 03	3.161
75.	21.661	37.114	64.59	5.12	21.6464	25.9219	42.3190	0.195	1529.5	75.	0.2100E 03	8.574
100.	20.786	37.086	65.03	5.15	20.7664	26.1432	42.5914	0.244	1527.6	99.	0.1899E 03	5.314
125.	20.136	37.032	65.29	4.97	20.1124	26.2778	42.7659	0.290	1526.2	124.	0.1779E 03	4.158
150.	19.675	36.979	66.34	4.78	19.6476	26.3596	42.8771	0.334	1525.3	149.	0.1710E 03	3.254
200.	18.186	36.649	67.15	4.14	18.1508	26.4904	43.1081	0.416	1521.5	199.	0.1600E 03	2.942
250.	16.430	36.309	67.26	3.97	16.3894	26.6558	43.3954	0.492	1516.8	248.	0.1455E 03	3.310
300.	15.341	36.126	67.28	3.94	15.2939	26.7653	43.5841	0.563	1514.0	298.	0.1362E 03	2.709
400.	13.221	35.779	67.25	3.57	13.1650	26.9519	43.9315	0.690	1508.5	397.	0.1203E 03	2.528
500.	12.024	35.629	67.45	3.36	11.9579	27.0739	44.1493	0.805	1505.9	496.	0.1104E 03	2.062
600.	10.268	35.389	67.61	2.65	10.1959	27.2097	44.4302	0.909	1501.2	595.	0.9821E 02	2.225
700.	8.977	35.229	67.80	2.47	8.8990	27.3015	44.6339	1.003	1497.9	694.	0.9002E 02	1.872
800.	8.040	35.140	67.83	2.61	7.9552	27.3780	44.7943	1.090	1496.0	793.	0.8328E 02	1.715
900.	7.156	35.068	67.90	2.93	7.0664	27.4511	44.9482	1.170	1494.2	892.	0.7655E 02	1.696
1000.	6.615	35.061	68.04	3.23	6.5188	27.5198	45.0672	1.244	1493.7	991.	0.7057E 02	1.604
1200.	6.107	35.126	68.24	3.75	5.9946	27.6386	45.2342	1.375	1495.1	1189.	0.6113E 02	1.454
1400.	5.282	35.096	68.26	4.22	5.1568	27.7179	45.3939	1.489	1495.1	1387.	0.5396E 02	1.299
1600.	4.736	35.093	68.41	4.60	4.5976	27.7799	45.5108	1.592	1496.2	1584.	0.4864E 02	1.150
1800.	4.132	35.043	68.46	4.88	3.9822	27.8066	45.6000	1.686	1497.0	1781.	0.4582E 02	0.927
2000.	3.727	35.008	68.50	4.97	3.5630	27.8208	45.6580	1.776	1498.6	1978.	0.4447E 02	0.754
2200.	3.509	34.998	68.55	5.09	3.3298	27.8349	45.6971	1.864	1501.1	2175.	0.4372E 02	0.666
2400.	3.294	34.982	68.57	5.17	3.0980	27.8429	45.7303	1.951	1503.5	2372.	0.4331E 02	0.607
2600.	3.112	34.970	68.63	5.22	2.8996	27.8506	45.7600	2.038	1506.1	2568.	0.4292E 02	0.592
2800.	2.948	34.957	68.70	5.26	2.7193	27.8553	45.7849	2.123	1508.8	2764.	0.4275E 02	0.547
3000.	2.771	34.940	68.72	5.30	2.5254	27.8584	45.8096	2.208	1511.4	2960.	0.4248E 02	0.552
3200.	2.634	34.928	68.75	5.34	2.3701	27.8609	45.8299	2.293	1514.2	3156.	0.4237E 02	0.514
3400.	2.535	34.918	68.81	5.44	2.2522	27.8618	45.8448	2.378	1517.2	3352.	0.4258E 02	0.450
3600.	2.456	34.909	68.86	5.50	2.1536	27.8613	45.8563	2.464	1520.3	3547.	0.4298E 02	0.403
3800.	2.406	34.902	68.90	5.56	2.0828	27.8597	45.8640	2.550	1523.5	3743.	0.4365E 02	0.334
4000.	2.371	34.896	68.93	5.59	2.0263	27.8579	45.8700	2.638	1526.8	3938.	0.4442E 02	0.304
4200.	2.357	34.893	68.98	5.62	1.9895	27.8564	45.8743	2.728	1530.2	4133.	0.4532E 02	0.264
4400.	2.362	34.890	68.96	5.65	1.9711	27.8535	45.8753	2.820	1533.6	4328.	0.4652E 02	0.136
4500.	2.370	34.889	68.93	5.66	1.9664	27.8528	45.8761	2.866	1535.4	4425.	0.4709E 02	0.164
4600.	2.381	34.889	68.91	5.68	1.9653	27.8515	45.8760	2.914	1537.2	4523.	0.4776E 02	-0.037
4700.	2.392	34.889	68.90	5.69	1.9641	27.8503	45.8760	2.962	1539.0	4620.	0.4842E 02	0.022
4800.	2.405	34.889	68.88	5.72	1.9639	27.8492	45.8761	3.011	1540.7	4717.	0.4908E 02	0.050
4900.	2.418	34.888	68.89	5.72	1.9639	27.8479	45.8758	3.060	1542.5	4814.	0.4977E 02	-0.086

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DISCOVERY 139 STATION 10864

P-DB	T-DEGC	SAJ-PSU	POTRAN	DO-ML/L	POTEMP	SIGCIAT	STC4000	OYRHT-I	SRDVI-/S	DEPTH-I	SVARON	BVFR-C/TR
10.	23.589	36.530	62.65	4.54	23.5872	24.9237	41.2262	0.030	1532.8	10.	0.3024E 03	-9.990
20.	23.606	36.564	62.72	4.54	23.6016	24.9466	41.2463	0.060	1533.0	20.	0.3008E 03	2.611
30.	23.492	36.795	63.95	4.59	23.4853	25.1532	41.4564	0.090	1533.1	30.	0.2814E 03	8.130
50.	23.386	36.851	64.59	4.57	23.3755	25.2271	41.5360	0.145	1533.3	50.	0.2751E 03	3.445
75.	21.581	37.032	64.80	5.04	21.5667	25.8819	42.2852	0.207	1529.2	75.	0.2138E 03	9.115
100.	20.559	37.028	64.57	4.99	20.5398	26.1605	42.6228	0.258	1526.9	99.	0.1882E 03	5.959
125.	19.602	36.916	65.68	4.74	19.5787	26.3305	42.8525	0.302	1524.6	124.	0.1728E 03	4.670
150.	19.122	36.829	66.62	4.55	19.0945	26.3898	42.9637	0.345	1523.6	149.	0.1680E 03	2.785
200.	18.089	36.635	67.12	4.18	18.0578	26.5037	43.1277	0.427	1521.2	199.	0.1587E 03	2.740
250.	16.118	36.216	67.13	3.41	16.0776	26.6569	43.4193	0.503	1515.7	248.	0.1452E 03	3.200
300.	15.094	36.051	67.28	3.41	15.0483	26.7621	43.5994	0.574	1513.2	298.	0.1364E 03	2.654
400.	13.459	35.802	67.36	3.69	13.4016	26.9213	43.8334	0.703	1509.3	307.	0.1233E 03	2.332
500.	11.953	35.626	67.46	3.39	11.8871	27.0850	44.1658	0.819	1505.7	496.	0.1093E 03	2.375
600.	10.588	35.447	67.70	2.90	10.5144	27.1987	44.3924	0.923	1502.4	595.	0.0960E 02	2.030
700.	9.223	35.283	67.85	2.72	9.1430	27.3040	44.6147	1.018	1498.9	694.	0.0913E 02	1.989
800.	7.811	35.118	67.82	2.68	7.7281	27.3955	44.8319	1.104	1495.1	794.	0.0812E 02	1.912
900.	7.058	35.080	67.94	2.99	6.9693	27.4738	44.9791	1.182	1493.8	892.	0.0742E 02	1.721
1000.	6.528	35.061	68.04	3.30	6.4327	27.5318	45.0869	1.253	1493.4	991.	0.0695E 02	1.494
1200.	5.836	35.094	68.33	3.85	5.7254	27.6479	45.2689	1.382	1494.0	1189.	0.0595E 02	1.465
1400.	5.187	35.090	68.40	4.19	5.0628	27.7248	45.4098	1.494	1494.7	1387.	0.0530E 02	1.251
1600.	4.547	35.060	68.38	4.52	4.4106	27.7745	45.5242	1.595	1495.4	1584.	0.0484E 02	1.090
1800.	4.022	35.023	68.42	4.77	3.8734	27.8023	45.6067	1.689	1496.5	1781.	0.0457E 02	0.908
2000.	3.693	35.001	68.45	4.95	3.5299	27.8185	45.6591	1.779	1498.5	1978.	0.0445E 02	0.737
2200.	3.471	34.988	68.54	5.08	3.2923	27.8308	45.6970	1.868	1500.9	2175.	0.0438E 02	0.640
2400.	3.290	34.981	68.60	5.14	3.0949	27.8429	45.7306	1.955	1503.5	2372.	0.0432E 02	0.632
2600.	3.110	34.967	68.67	5.21	2.8983	27.8488	45.7584	2.041	1506.1	2568.	0.0430E 02	0.566
2800.	2.944	34.956	68.71	5.27	2.7145	27.8555	45.7855	2.127	1508.8	2764.	0.0427E 02	0.577
3000.	2.765	34.941	68.72	5.31	2.5188	27.8593	45.8112	2.212	1511.4	2960.	0.0423E 02	0.565
3200.	2.632	34.926	68.74	5.31	2.3368	27.8612	45.8304	2.297	1514.2	3156.	0.0423E 02	0.499
3400.	2.526	34.918	68.79	5.38	2.2439	27.8622	45.8461	2.382	1517.2	3352.	0.0424E 02	0.461
3600.	2.446	34.908	68.81	5.45	2.1438	27.8613	45.8574	2.467	1520.2	3548.	0.0429E 02	0.398
3800.	2.397	34.902	68.82	5.51	2.0741	27.8603	45.8655	2.553	1523.4	3743.	0.0432E 02	0.346
4000.	2.367	34.896	68.80	5.56	2.0226	27.8581	45.8706	2.641	1526.8	3938.	0.0443E 02	0.281
4200.	2.358	34.893	68.93	5.58	1.9908	27.8565	45.8742	2.731	1530.2	4133.	0.0453E 02	0.241
4400.	2.367	34.890	68.91	5.61	1.9753	27.8538	45.8752	2.823	1533.7	4328.	0.0465E 02	0.133
4500.	2.375	34.890	68.87	5.63	1.9711	27.8527	45.8756	2.870	1535.4	4425.	0.0471E 02	0.120
4600.	2.384	34.889	68.83	5.64	1.9683	27.8515	45.8757	2.917	1537.2	4523.	0.0479E 02	0.069
4700.	2.396	34.889	68.79	5.66	1.9674	27.8501	45.8755	2.965	1539.0	4620.	0.0484E 02	-0.069
4800.	2.408	34.889	68.81	5.70	1.9668	27.8490	45.8756	3.014	1540.8	4717.	0.0491E 02	0.045

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DISCOVERY 139 STATION 10865

P-DB	T-DEGC	SAL-PSU	POTRAH	DO-ML/L	POTEHP	SIGMAT	SIG4000	DEPTH-M	SVAR01	BVFR-C/HR
10.	23.585	36.719	63.07	4.64	23.5829	25.0685	41.3670	1533.0	0.287E 03	-9.990
20.	23.596	36.776	63.36	4.61	23.5921	25.1083	41.4058	1533.2	0.2853E 03	3.577
30.	23.587	36.859	63.74	4.69	23.5811	25.1736	41.4703	1533.4	0.2795E 03	4.560
50.	23.440	36.875	64.37	4.75	23.4295	25.2296	41.5351	1533.4	0.2749E 03	3.009
75.	21.584	37.035	64.75	5.14	21.5692	25.8837	42.2868	1529.3	0.2136E 03	9.111
100.	20.275	36.955	64.56	4.73	20.2557	26.1814	42.6617	1526.1	0.1802E 03	6.150
125.	19.505	36.862	66.23	4.41	19.4825	26.3151	42.8440	1524.3	0.1743E 03	4.147
150.	18.715	36.721	66.80	4.07	18.6879	26.4113	42.9923	1522.3	0.1599E 03	3.536
200.	17.160	36.445	67.26	4.07	17.1269	26.5866	43.2733	1518.3	0.1506E 03	3.385
250.	16.018	36.233	67.36	3.96	15.9776	26.6934	43.4619	1515.4	0.1413E 03	2.565
300.	14.677	36.003	67.41	3.84	14.6319	26.8175	43.6845	1511.8	0.1310E 03	2.586
400.	13.002	35.764	67.58	3.67	12.9460	26.9852	43.9812	1507.7	0.1179E 03	2.391
500.	11.567	35.574	67.65	3.33	11.5021	27.1178	44.2292	1504.3	0.1059E 03	2.155
600.	10.275	35.404	67.83	2.92	10.2021	27.2207	44.4403	1501.2	0.0971E 02	1.939
700.	9.011	35.254	67.97	2.70	8.9324	27.3156	44.6466	1498.1	0.0874E 02	1.895
800.	7.737	35.104	67.90	2.73	7.6544	27.3954	44.8386	1494.5	0.0811E 02	1.794
900.	6.923	35.056	67.96	2.99	6.8396	27.4729	44.9904	1493.3	0.0740E 02	1.724
1000.	6.511	35.058	67.99	3.28	6.4155	27.5313	45.0895	1491.3	0.0692E 02	1.478
1200.	5.866	35.107	68.27	3.88	5.7352	27.6545	45.2724	1494.1	0.0590E 02	1.463
1400.	5.104	35.091	68.25	4.26	4.9312	27.7352	45.4277	1494.4	0.0518E 02	1.295
1600.	4.439	35.049	68.36	4.59	4.3037	27.7783	45.5385	1494.6	0.0470E 02	1.049
1800.	4.002	35.019	68.30	4.80	3.8535	27.8616	45.6081	1496.4	0.0457E 02	0.834
2000.	3.683	34.998	68.38	4.97	3.5199	27.8178	45.6594	1498.4	0.0465E 02	0.732
2200.	3.442	34.983	68.46	5.09	3.2631	27.8297	45.6939	1500.5	0.0438E 02	0.657
2400.	3.257	34.973	68.53	5.18	3.0625	27.8393	45.7305	1503.3	0.0434E 02	0.603
2600.	3.093	34.965	68.60	5.25	2.8311	27.8482	45.7596	1506.0	0.0430E 02	0.593
2800.	2.944	34.954	68.63	5.29	2.7153	27.8535	45.7835	1508.8	0.0429E 02	0.540
3000.	2.805	34.943	68.62	5.31	2.5582	27.8577	45.8055	1511.6	0.0427E 02	0.528
3200.	2.672	34.932	68.64	5.31	2.4074	27.8605	45.8257	1514.4	0.0426E 02	0.513
3400.	2.559	34.920	68.67	5.35	2.2762	27.8612	45.8413	1517.3	0.0422E 02	0.466
3600.	2.462	34.910	68.74	5.42	2.1595	27.8610	45.8554	1520.3	0.0430E 02	0.439
3800.	2.405	34.902	68.76	5.50	2.0816	27.8602	45.8666	1523.5	0.0436E 02	0.367
4000.	2.379	34.896	68.77	5.56	2.0253	27.8583	45.8795	1526.8	0.0443E 02	0.301
4200.	2.360	34.893	68.86	5.58	1.9927	27.8564	45.8740	1530.2	0.0453E 02	0.237
4400.	2.372	34.891	68.84	5.61	1.9808	27.8541	45.8749	1533.7	0.0465E 02	0.127
4500.	2.379	34.891	68.77	5.62	1.9758	27.8520	45.8752	1535.4	0.0471E 02	0.112
4600.	2.399	34.890	68.73	5.64	1.9740	27.8517	45.8753	1537.2	0.0478E 02	0.067

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DISCOVERY 139 STATION 10866

P-DB	T-DEGC	SAL-PSU	POTRAN	DO-ML/L	POTEMP	SIGSAT	SIG4000	DYRHT-1	SNIV-M/S	DEPTH-1	SVANOM	BVFR-C/HR
10.	23.343	36.202	61.29	4.70	23.3413	24.7473	41.0701	0.032	1531.8	10.	0.3192E 03	-9.990
20.	23.447	36.714	61.86	4.63	23.4426	25.1055	41.4121	0.062	1532.8	20.	0.2855E 03	10.646
30.	23.485	36.911	62.90	4.69	23.4790	25.2432	41.5441	0.090	1533.2	30.	0.2728E 03	6.608
50.	23.326	36.946	63.60	4.78	23.3158	25.3159	41.6268	0.144	1533.2	50.	0.2666E 03	3.443
75.	21.223	37.055	64.13	4.99	21.2085	25.9989	42.4216	0.203	1528.3	75.	0.2026E 03	9.303
100.	20.044	36.921	65.63	4.60	20.0251	26.2173	42.7118	0.251	1525.4	99.	0.1927E 03	5.284
125.	19.234	36.825	66.86	4.34	19.2114	26.3574	42.9032	0.295	1523.5	124.	0.1702E 03	4.244
150.	18.540	36.703	67.13	4.16	18.5133	26.4426	43.0346	0.337	1521.8	149.	0.1629E 03	3.330
200.	16.688	36.335	67.38	3.72	16.6555	26.6148	43.3346	0.414	1516.7	199.	0.1478E 03	3.365
250.	15.274	36.072	67.43	3.59	15.2355	26.7385	43.5608	0.485	1512.9	248.	0.1372E 03	2.872
300.	14.371	35.929	67.48	3.48	14.3265	26.8266	43.7167	0.552	1510.7	298.	0.1300E 03	2.435
400.	12.511	35.645	67.41	2.80	12.4561	26.9911	44.0262	0.674	1505.9	397.	0.1161E 03	2.377
500.	11.522	35.533	67.59	2.73	11.4574	27.0943	44.2102	0.787	1504.1	496.	0.1080E 03	1.898
600.	10.277	35.407	67.96	2.85	10.2048	27.2225	44.4418	0.889	1501.2	595.	0.0970E 02	2.131
700.	8.794	35.199	67.90	2.46	8.7169	27.3073	44.6557	0.982	1497.2	695.	0.0922E 02	1.834
800.	7.754	35.103	67.93	2.63	7.6711	27.3920	44.8338	1.067	1494.8	794.	0.08150E 02	1.804
900.	7.111	35.083	68.04	3.01	7.0212	27.4693	44.9699	1.145	1494.0	893.	0.07476E 02	1.692
1000.	6.319	35.020	68.18	3.31	6.2246	27.5273	45.1024	1.217	1492.5	991.	0.06922E 02	1.554
1200.	5.745	35.075	68.21	3.68	5.6358	27.6450	45.2747	1.345	1493.6	1189.	0.05959E 02	1.456
1400.	5.141	35.088	68.29	4.15	5.0180	27.7287	45.4179	1.457	1494.5	1387.	0.05252E 02	1.284
1600.	4.387	35.037	68.40	4.55	4.2526	27.7739	45.5394	1.556	1494.7	1584.	0.04792E 02	1.083
1800.	3.934	35.005	68.42	4.78	3.7869	27.7975	45.6109	1.650	1496.1	1781.	0.04583E 02	0.843
2000.	3.650	34.978	68.42	4.93	3.4873	27.8155	45.6605	1.740	1498.3	1978.	0.04461E 02	0.733
2200.	3.421	34.978	68.51	5.04	3.2433	27.8277	45.6980	1.829	1509.7	2175.	0.04392E 02	0.652
2400.	3.268	34.972	68.56	5.13	3.0731	27.8380	45.7282	1.916	1503.4	2372.	0.04361E 02	0.580
2600.	3.111	34.965	68.63	5.22	2.8986	27.8468	45.7563	2.003	1506.1	2568.	0.04327E 02	0.585
2800.	2.982	34.960	68.70	5.29	2.7526	27.8547	45.7809	2.089	1508.9	2764.	0.04303E 02	0.559
3000.	2.794	34.944	68.67	5.29	2.5481	27.8591	45.8080	2.175	1511.5	2960.	0.04257E 02	0.581
3200.	2.660	34.931	68.69	5.32	2.3954	27.8610	45.8274	2.260	1514.3	3156.	0.04256E 02	0.501
3400.	2.554	34.920	68.73	5.33	2.2706	27.8612	45.8423	2.345	1517.3	3352.	0.04278E 02	0.447
3600.	2.474	34.911	68.76	5.41	2.1717	27.8608	45.8540	2.431	1520.4	3548.	0.04318E 02	0.405
3800.	2.418	34.904	68.80	5.49	2.0941	27.8606	45.8637	2.518	1523.5	3743.	0.04368E 02	0.379
4000.	2.378	34.898	68.86	5.56	2.0333	27.8589	45.8702	2.606	1526.8	3938.	0.04441E 02	0.317
4200.	2.369	34.894	68.90	5.60	2.0017	27.8566	45.8732	2.696	1530.2	4133.	0.04542E 02	0.222
4400.	2.381	34.892	68.77	5.61	1.9891	27.8540	45.8740	2.788	1533.7	4328.	0.04666E 02	0.116
4500.	2.392	34.892	68.73	5.64	1.9879	27.8532	45.8743	2.835	1535.5	4425.	0.04729E 02	0.100

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DISCOVERY 139 STATION 10867

P-DB	T-DEGC	SAL-PSU	POTRAN	DO-MIL/L	POTEMP	SIGMAT	SIG4000	DYNHT-M	SEDDV-M/S	DEPTH-M	SVAROI	WVFR-C/HR
10.	23.114	36.064	55.39	4.75	23.1116	24.7097	41.0476	0.032	1531.1	10.	0.3228E 03	-9.990
20.	23.116	36.064	55.42	4.78	23.1118	24.7092	41.0477	0.065	1531.2	20.	0.3232E 03	0.197
30.	22.938	36.129	56.37	4.80	22.9321	24.8092	41.1565	0.097	1531.0	30.	0.3141E 03	5.642
50.	21.735	36.660	63.16	4.91	21.7254	25.5558	41.9575	0.151	1528.8	50.	0.2438E 03	10.871
75.	20.971	36.910	64.41	4.67	20.9568	25.9581	42.3983	0.207	1527.5	75.	0.2065E 03	7.147
100.	20.149	36.916	66.10	4.35	20.1304	26.1854	42.6739	0.256	1525.7	99.	0.1858E 03	5.384
125.	19.611	36.890	66.57	4.30	19.5884	26.3085	42.8305	0.301	1524.6	124.	0.1749E 03	3.977
150.	19.881	36.766	66.90	4.06	18.8540	26.4037	42.9735	0.343	1522.8	149.	0.1667E 03	3.514
200.	16.610	36.314	67.18	3.81	16.5774	26.6174	43.3427	0.422	1515.5	190.	0.1476E 03	3.743
250.	15.458	36.113	67.32	3.74	15.4193	26.7284	43.5373	0.493	1513.5	248.	0.1382E 03	2.718
300.	14.164	35.886	67.32	3.31	14.1199	26.8377	43.7434	0.560	1510.0	298.	0.1288E 03	2.718
400.	12.556	35.640	67.26	2.73	12.5011	26.9783	44.0102	0.683	1505.1	397.	0.1173E 03	2.202
500.	11.441	35.527	67.53	2.76	11.3761	27.1055	44.2278	0.794	1503.8	496.	0.1069E 03	2.096
600.	9.405	35.234	67.72	2.21	9.3366	27.2355	44.5297	0.895	1497.9	595.	0.9478E 02	2.208
700.	8.075	35.095	67.89	2.37	8.0018	27.3374	44.7493	0.985	1494.4	695.	0.8538E 02	1.962
800.	7.046	34.990	67.88	2.58	6.9675	27.4045	44.9111	1.067	1492.0	794.	0.7913E 02	1.645
900.	6.585	34.994	67.97	2.84	6.4992	27.4714	45.0211	1.143	1491.9	893.	0.7356E 02	1.559
1000.	6.199	35.017	68.05	3.18	6.1056	27.5403	45.1263	1.214	1492.0	991.	0.6775E 02	1.574
1200.	5.598	35.067	68.13	3.73	5.4902	27.6562	45.2996	1.340	1493.0	1189.	0.5816E 02	1.451
1400.	4.895	35.056	68.30	4.25	4.7742	27.7318	45.4448	1.449	1493.5	1387.	0.5146E 02	1.254
1600.	4.367	35.034	68.33	4.53	4.2333	27.7738	45.5412	1.548	1494.6	1584.	0.4786E 02	1.002
1800.	3.999	35.015	68.39	4.76	3.8509	27.7985	45.6054	1.642	1496.4	1781.	0.4600E 02	0.821
2000.	3.711	35.001	68.40	4.92	3.5475	27.8168	45.6557	1.733	1498.5	1978.	0.4476E 02	0.738
2200.	3.476	34.986	68.47	5.04	3.2968	27.8286	45.6944	1.821	1500.9	2175.	0.4411E 02	0.652
2400.	3.293	34.975	68.50	5.13	3.0973	27.8376	45.7253	1.909	1503.5	2372.	0.4378E 02	0.594
2600.	3.127	34.966	68.58	5.23	2.9144	27.8461	45.7541	1.996	1506.2	2568.	0.4342E 02	0.588
2800.	2.983	34.958	68.64	5.28	2.7535	27.8530	45.7791	2.083	1508.9	2764.	0.4319E 02	0.558
3000.	2.820	34.946	68.64	5.31	2.5735	27.8585	45.8047	2.169	1511.6	2960.	0.4281E 02	0.570
3200.	2.684	34.933	68.62	5.31	2.4194	27.8602	45.8241	2.254	1514.4	3156.	0.4281E 02	0.500
3400.	2.559	34.921	68.64	5.33	2.2761	27.8614	45.8419	2.340	1517.3	3352.	0.4281E 02	0.491
3600.	2.472	34.911	68.70	5.41	2.1694	27.8613	45.8547	2.426	1520.3	3548.	0.4312E 02	0.425
3800.	2.416	34.904	68.73	5.48	2.0928	27.8605	45.8637	2.513	1523.5	3743.	0.4367E 02	0.366
4000.	2.378	34.898	68.79	5.53	2.0334	27.8588	45.8701	2.601	1526.8	3938.	0.4441E 02	0.314
4200.	2.371	34.894	68.77	5.56	2.0036	27.8565	45.8729	2.690	1530.2	4133.	0.4546E 02	0.210
4400.	2.388	34.893	68.64	5.61	1.9958	27.8540	45.8733	2.783	1533.7	4328.	0.4672E 02	0.088

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DISCOVERY 139 STATION 10868

P-DB	T-DEGC	SAL-PSU	POTRAN	INO-UL/L	POTRIP	SIGMAT	SIG4040	DYNHIT-H	S:DW-M/S	DEPT-H	SVAR01	BVFR-C/HR
10.	23.088	36.001	58.60	4.61	23.0856	24.6695	41.0102	0.033	1530.9	10.	0.3266E 03	-9.990
20.	23.083	36.001	58.61	4.62	23.0794	24.6706	41.0123	0.065	1531.1	26.	0.3269E 03	0.735
30.	23.081	36.002	58.60	4.62	23.0744	24.6719	41.0145	0.098	1531.2	30.	0.3272E 03	0.789
50.	20.442	36.106	63.08	3.84	20.4326	25.4834	41.9736	0.159	1524.7	50.	0.2501E 03	11.374
75.	17.570	36.176	65.25	2.87	17.5571	26.2801	42.9410	0.208	1517.1	75.	0.1756E 03	10.025
100.	17.603	36.355	65.93	3.24	17.5858	26.4092	43.0649	0.251	1517.8	99.	0.1642E 03	4.047
125.	17.909	36.537	66.35	3.48	17.8876	26.4736	43.1070	0.291	1519.3	124.	0.1590E 03	2.863
150.	17.404	36.475	66.57	3.41	17.3784	26.5503	43.2183	0.330	1513.2	149.	0.1525E 03	3.156
200.	15.779	36.152	66.71	3.26	15.7475	26.6836	43.4696	0.404	1513.7	199.	0.1408E 03	2.992
250.	14.295	35.883	66.80	2.85	14.2579	26.8113	43.7057	0.471	1509.6	248.	0.1299E 03	2.898
300.	13.421	35.755	66.85	2.56	13.3787	26.8922	43.8541	0.535	1507.4	298.	0.1233E 03	2.339
400.	11.397	35.419	66.77	1.57	11.3457	27.0291	44.1541	0.651	1501.9	397.	0.1117E 03	2.196
500.	10.321	35.302	66.92	1.59	10.2612	27.1328	44.3483	0.759	1499.6	496.	0.1033E 03	1.909
600.	9.152	35.163	67.34	1.79	9.0847	27.2212	44.5382	0.859	1496.8	595.	0.9582E 02	1.808
700.	8.026	35.042	67.45	1.96	7.9526	27.3031	44.7207	0.950	1494.1	695.	0.8852E 02	1.770
800.	7.155	34.960	67.54	2.24	7.0762	27.3637	44.8636	1.036	1492.4	794.	0.8294E 02	1.575
900.	6.645	34.956	67.70	2.57	6.5588	27.4334	44.9788	1.115	1492.0	893.	0.7721E 02	1.575
1000.	6.442	35.003	67.74	2.90	6.3473	27.4972	45.0617	1.191	1493.0	991.	0.7229E 02	1.480
1200.	6.038	35.085	67.85	3.48	5.9259	27.6152	45.2182	1.326	1494.8	1189.	0.6312E 02	1.435
1400.	5.272	35.091	68.05	4.04	5.1476	27.7151	45.3921	1.442	1495.1	1387.	0.5419E 02	1.407
1600.	4.638	35.068	68.14	4.47	4.5004	27.7714	45.5122	1.545	1495.8	1584.	0.4907E 02	1.134
1800.	4.080	35.033	68.22	4.78	3.9305	27.8042	45.6029	1.640	1496.8	1781.	0.4582E 02	0.961
2000.	3.704	35.003	68.23	4.94	3.5407	27.8196	45.6591	1.730	1498.5	1978.	0.4448E 02	0.752
2200.	3.456	34.987	68.30	5.03	3.2775	27.8311	45.6988	1.818	1500.8	2175.	0.4379E 02	0.656
2400.	3.252	34.974	68.32	5.11	3.0572	27.8406	45.7323	1.905	1503.3	2372.	0.4328E 02	0.617
2600.	3.079	34.961	68.38	5.18	2.8680	27.8467	45.7594	1.991	1506.0	2568.	0.4308E 02	0.561
2800.	2.937	34.951	68.40	5.24	2.7081	27.8523	45.7831	2.077	1508.7	2764.	0.4295E 02	0.539
3000.	2.809	34.943	68.41	5.29	2.5622	27.8579	45.8045	2.163	1511.6	2961.	0.4286E 02	0.524
3200.	2.678	34.933	68.43	5.28	2.4133	27.8608	45.8253	2.249	1514.4	3156.	0.4271E 02	0.524
3400.	2.541	34.920	68.46	5.32	2.2587	27.8622	45.8445	2.334	1517.2	3352.	0.4259E 02	0.510
3600.	2.457	34.911	68.50	5.40	2.1548	27.8623	45.8572	2.419	1520.3	3548.	0.4291E 02	0.423
3800.	2.391	34.902	68.53	5.48	2.0683	27.8612	45.8666	2.506	1523.4	3743.	0.4339E 02	0.380
4000.	2.366	34.897	68.50	5.48	2.0211	27.8588	45.8714	2.593	1526.7	3938.	0.4430E 02	0.261
4200.	2.378	34.895	68.35	5.52	2.0100	27.8564	45.8722	2.683	1530.3	4133.	0.4552E 02	0.115

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DISCOVERY 139 STATION 10869

P-DB	T-DEGC	SAL-PSU	POTRAN	DO-ML/L	POTENP	SIGMAT	SIG-6000	DY:HT-1	SNDV-H/S	DEPTH-H	SVA:HT	BVFR-C/HR
10.	22.766	36.048	54.73	4.83	22.7638	24.7979	41.1548	0.031	1530.2	10.	0.3144E 03	-9.990
20.	22.759	36.048	54.73	4.85	22.7553	24.7998	41.1577	0.063	1530.3	20.	0.3146E 03	0.886
30.	22.739	36.048	54.80	4.89	22.7332	24.8055	41.1652	0.094	1530.4	30.	0.3144E 03	1.409
50.	21.840	36.406	57.17	4.48	21.8302	25.3314	41.7335	0.156	1528.8	50.	0.2650E 03	9.142
75.	19.150	36.603	65.98	3.99	19.1369	26.2093	42.7625	0.207	1522.1	75.	0.1825E 03	10.542
100.	18.705	36.675	66.64	3.84	18.6869	26.3787	42.9585	0.250	1521.4	99.	0.1672E 03	4.649
125.	16.401	36.114	66.59	2.63	16.3809	26.5124	43.2527	0.290	1514.4	124.	0.1550E 03	4.190
150.	15.717	35.989	66.57	2.43	15.6934	26.5748	43.3647	0.328	1512.5	140.	0.1498E 03	2.857
200.	14.703	35.898	66.43	2.40	14.6733	26.7308	43.5944	0.399	1510.1	199.	0.1362E 03	3.186
250.	13.869	35.771	66.55	2.27	13.8325	26.8113	43.7388	0.465	1508.1	248.	0.1297E 03	2.321
300.	13.180	35.702	66.72	2.34	13.1375	26.9011	43.8818	0.528	1506.6	298.	0.1223E 03	2.444
400.	11.842	35.551	66.98	2.42	11.7898	27.0484	44.1359	0.644	1503.5	397.	0.1102E 03	2.238
500.	10.408	35.355	67.30	2.10	10.3471	27.1587	44.3660	0.750	1500.0	496.	0.1009E 03	1.988
600.	9.172	35.194	67.61	2.04	9.1043	27.2827	44.5572	0.847	1497.0	595.	0.9383E 02	1.776
700.	8.118	35.082	67.67	2.20	8.0442	27.3205	44.7292	0.937	1494.5	695.	0.8702E 02	1.724
800.	7.264	34.995	67.77	2.40	7.1847	27.3780	44.8653	1.022	1492.8	794.	0.8198E 02	1.519
900.	6.644	34.979	67.79	2.68	6.5582	27.4514	44.9963	1.100	1492.1	893.	0.7553E 02	1.653
1000.	6.405	35.018	67.88	2.99	6.3105	27.5146	45.0820	1.174	1492.8	991.	0.7059E 02	1.481
1200.	5.893	35.091	68.00	3.59	5.7820	27.6386	45.2545	1.305	1494.2	1189.	0.6057E 02	1.482
1400.	5.217	35.097	68.09	4.12	5.0928	27.7264	45.4083	1.418	1494.8	1387.	0.5298E 02	1.322
1600.	4.500	35.057	68.21	4.50	4.3645	27.7775	45.5316	1.519	1495.2	1584.	0.4800E 02	1.120
1800.	3.981	35.020	68.27	4.77	3.8334	27.8042	45.6126	1.611	1496.4	1781.	0.4541E 02	0.896
2000.	3.685	35.003	68.30	4.94	3.5225	27.8210	45.6622	1.701	1498.4	1978.	0.4427E 02	0.726
2200.	3.451	34.990	68.31	5.01	3.2719	27.8342	45.7024	1.789	1500.8	2175.	0.4347E 02	0.668
2400.	3.246	34.976	68.39	5.11	3.0513	27.8425	45.7348	1.875	1503.3	2372.	0.4308E 02	0.602
2600.	3.083	34.966	68.41	5.17	2.8716	27.8503	45.7625	1.961	1506.0	2568.	0.4278E 02	0.576
2800.	2.929	34.956	68.52	5.26	2.7004	27.8563	45.7878	2.046	1508.7	2764.	0.4254E 02	0.557
3000.	2.792	34.943	68.51	5.29	2.5453	27.8590	45.8081	2.131	1511.5	2961.	0.4257E 02	0.503
3200.	2.649	34.930	68.47	5.27	2.3848	27.8608	45.8283	2.217	1514.3	3156.	0.4249E 02	0.511
3400.	2.535	34.919	68.55	5.32	2.2524	27.8619	45.8448	2.302	1517.2	3352.	0.4258E 02	0.473
3600.	2.452	34.910	68.57	5.40	2.1497	27.8619	45.8573	2.387	1520.3	3548.	0.4289E 02	0.421
3800.	2.388	34.902	68.61	5.47	2.0655	27.8611	45.8671	2.473	1523.4	3743.	0.4338E 02	0.379
4000.	2.371	34.897	68.33	5.40	2.0261	27.8584	45.8704	2.561	1526.8	3938.	0.4438E 02	0.227

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