

I.O.S.

**CTD DATA
FROM THE NORTH MADEIRA BASIN
19 JANUARY – 12 FEBRUARY 1981
DISCOVERY CRUISE 117**

by

P M SAUNDERS

DATA REPORT NO 26

1981

**NATURAL ENVIRONMENT
INSTITUTE OF OCEANOGRAPHIC
SCIENCES
RESEARCH COUNCIL**

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ABSTRACT

This report presents lists and graphs of CTD data obtained aboard RRS DISCOVERY during January-February 1981 from a section on the North Madeira Plain between latitudes 30 and 38°N and longitudes 17 and 25°W (figure 1). In addition a number of full depth stations were concentrated in the vicinity of 33°N 22°W in support of an experiment to investigate currents and mixing near the sea floor (figure 2). All CTD data was reconciled with reversing thermometer measurements and salinity samples. Root mean square differences for pressure, temperature and salinity were 2 db, .006°C and .008 PSU* for pressures 0-2000 db and 4db, .004°C and .0025 PSU for pressures 2000-5600 db.

*PSU Practical Salinity Units, 1978 scale

METHOD OF DATA COLLECTION

The data described in this report was gathered on DISCOVERY cruise 117 to the northern region of the Madeira Basin in the North Atlantic employing a Brown conductivity, temperature and depth profiler (CTD). Earlier reports by the author detail equipment and procedures (Saunders, 1980a,b): here we comment only on changes in both.

Lowerings were made on this cruise from the newly acquired hydraulic winch mounted midships on the starboard side. 33 stations were occupied, all but one (10284) to within 10 m of the bottom. On four stations (10275, 10276, 10279, 10285) yo-yos were made for several hours in the bottom 500 m. These four stations, conducted in part over rough terrain at over 5000 m depth, were made possible by the use of a short-range echo sounder, installed alongside the CTD and multisampler, which telemetered height above bottom to the ship. Some details of the instrument are given in the cruise report (Saunders, 1981b). On all stations only the (first) down cast data is reported here.

Two CTD units were employed: the first for only stations 10261, 10263 and the second for the remainder. After 11 stations with the second unit the conductivity cell was replaced in the hope of reducing the calibration drift: although an improvement was observed the stability of the cells on this cruise did not rival those reported earlier.

A major change of procedure was instituted on this cruise. Formerly we have obtained salinity samples on the LOWERING of the CTD, embedding the samples amongst the CTD data. On this cruise we made an uninterrupted lowering to the bottom and obtained samples on RECOVERY. Such a procedure yields a more straightforward data tape to deal with and more satisfactory samples: under the previous procedure a 1000 db sample would first be lowered to over 5000 db before being returned to 0 db. Paradoxically the Rosette sampler performance on this cruise was poorer than anything previously

experienced and considerable maintenance was required. Obtaining samples on recovery has led to certain changes in the practice of reconciliation of sample and CTD data to be described below.

A second major change was the acquisition of CTD data on the PDP 11/34 computer. In brief this system operates as follows. Data is stored in cyclic disc files which are overwritten when filled; a control program periodically transfers data to tape to ensure none is lost. At least three CTD files are stored, a raw data file, an averaged raw data file and an averaged and 'provisionally' calibrated data file. Only the last two files are written to tape - the raw data is kept on the digidata logger which acts as backup for the 11/34 system. Averaging over an interval at the discretion of the operator (1 second was employed on cruise 117) also takes account of the different time constants of the conductivity and temperature sensors. Other files, such as navigation, are also recorded by the same system. Standard plots and lists from the 'calibrated' CTD data are obtained both during and after each lowering.

Figures 1 and 2 show the position of the CTD stations and Table 1 lists relevant information for each lowering. In addition to the CTD stations one dozen neutrally buoyant floats were tracked at depths between 4300 and 5200 m amongst the array of bottom current meters shown in figure 2. The scope of the work but not the results is described in the cruise report (Saunders, 1981 b).

RECONCILIATION OF CTD DATA WITH ROSETTE SAMPLE DATA

As noted earlier two CTD units were employed. The discussion below refers to unit 2 with which 31 of the 33 stations were collected.

(a) Pressure

The pressure sensor of unit 2 was calibrated in the laboratory September 1980. The deck offset was stable and a value of 8 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, each made after a 5 minute stop during the RAISING of the instrument, are shown in figure 3. Statistics of the differences between the methods are shown in table 2 and seen to be very small. Pressures at the bottom of the cast were converted to depth using the formula (Saunders 1981 a)

$$z = p - 7.48 \left(\frac{p}{1000} \right) - 2.21 \left(\frac{p}{1000} \right)^2 + 3$$

CTD height above bottom was added to z to give water depth. The echo-sounder depth was corrected using Carter's tables and the two depths compared. In the measured depth range 5200-5500 m the corrected echo sounder depth exceeded that calculated from the CTD for 25 observations by a mean of 6 m with a standard deviation of 5 m.

(b) Temperature

Nominal temperatures from unit 2 were adjusted to be in agreement with those obtained with a transfer standard and two triple points in September 1980. On cruise 117, 4 months later, discrepancies of .045°C (CTD colder) were observed with reversing thermometer measurements made near 2.5°C. By comparison with 90 reversing thermometer measurements corrected CTD values were determined from the equation $T = .044 + .00050042 \times \text{RAWTEMP}$.

The origin of this error, of a magnitude commonly found, remains unknown. Differences between corrected CTD and reversing thermometer temperatures are shown in figure 4 and their statistics given in table 2.

(c) Salinity

Observations of salinity s at potential temperatures θ less than 2.6°C reveal a linear θ - s relation passing through the points $s = 34.90$, $\theta = 2.06$ and 34.95 , $\theta = 2.57^{\circ}\text{C}$: the scatter of data about the line $\pm .002$ is approximately the rms error of the salinity measurements. All of the stations penetrated into this water so that the simplest method of calibrating the CTD was to force salinities to fit the above line.

Employing a nominal cell factor of 1.0×10^{-3} provisional salinities were computed and the multiplicative factor required to bring the provisional salinities into agreement with the expected deep θ - s was then determined. For the cell employed on stations 10264-74 this factor varied between .99951 and .99974 (but not smoothly) corresponding to a salinity change of .008. For the cell used on stations 10275-94 this factor varied between 1.00027 and 1.00039 corresponding to a change of .004.

In comparing sample salinities with CTD salinities over the full range of pressures recall that CTD salinities were measured on the down cast and sample salinities drawn on the up cast. Comparison of up/down data shows that within the thermocline there is a closer correspondence between salinities at the same temperature rather than between salinities at the same pressure, whereas in the deep water the distinction between the two comparisons is very small. Accordingly to assess the quality of the CTD salinities, comparisons were made at the same temperature for observations made shallower than 2000 db and at the same pressure for observations made deeper than 2000 db. The differences are shown in figure 5 and some simple statistics in Table 2.

New algorithms were employed to calculate salinity according to the practical salinity scale of 1978 (Lewis, 1980). Sample salinities were evaluated employing the 1965 UNESCO tables since the new were not available to us at the time. Comparisons between salinities computed previously and practical salinity units (PSU) for sample stations on cruise 117 showed differences which rarely exceeded $\pm .001$. Consequently the use of mixed salinities here is unlikely to make any practical difference.

COMPUTER PROCESSING OF CTD DATA

As described in earlier reports our practice is to employ the raw CTD data taken at sea and process it ashore employing the G-EXEC data handling package. This data was processed at the Science Research Council IBM 360/195 at Rutherford Laboratory.

Data processing is in batch and several programs are put together to form a job. The computation path is described in general terms in Table 3 and a description of the jobs (helpful for other G-EXEC users) listed in the appendix.

Standard plots and lists of the stations occupy the main body of this report. Derived quantities have been computed using algorithms listed in the working draft document of SCOR, WG51 entitled 'Algorithms for Oceanographic Computations'. At the greatest depths (> 5000 db) potential density gradients are poorly measured due to noise in the salinity estimates. Similarly poor Brunt-Vaisala frequency N estimates occur there. The author has found the following expression useful, viz

$$N = (\Delta\theta/\Delta p)^{1/2} / 15 \quad \text{cy/hr}$$

where $\Delta\theta/\Delta p$ is potential temperature gradient expressed in milli $^{\circ}\text{C}/100$ db. Thus if $\Delta\theta/\Delta p = 1\text{m}^{\circ}\text{C}/100$ db, $N = 1/15$ and the B-V period is 15 hours.

ACKNOWLEDGEMENTS

Messrs. J. Moorey determined salinities and corrected thermometers, G. Griffiths maintained the CTD units and D.S. Collins operated the PDP 11/34 data acquisition system. Dr. J.C. Swallow shared the data collection and provided advice and encouragement.

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- 1980b CTD data from the Western Equatorial Indian Ocean 10 May - 6 July, 1979. Discovery cruise 102. Institute of Oceanogr. Sciences Data Report 23.
- 1981a Practical conversion of pressure to depth. J. of Phys. Oceanogr. 11, 573-4
- 1981b RRS Discovery cruise 117 19 Jan-12 Feb 1981. Currents and mixing near the sea floor. Institute of Oceanogr. Sciences Cruise Report 111.

TABLE 1

CTD Station List

Station Number	Time Down	Date 1981	Lat.N	Lon.W	Water depth,m	CTD ht above bottom,m	Salinity samples	Thermo-meter Frames	Group
10261	2211	20.I	33 09.5	21 58.0	5285	7	10	5	1
10263	2002	21	33 08.2	22 17.6	5329	7	10	5	1
10264	2256	22	32 56.1	22 02.6	5284	5	10	5	2A
10265	1338	23	33 13.2	22 02.4	5293	5	10	5	2A
10266	0417	24	33 09.9	22 01.5	5295	5	10	5	2A
10267	1116	24	33 07.2	21 59.9	5288	5	2	2	2A
10268	2358	24	33 10.8	21 55.8	5288	7	1	2	2A
10269	0725	25	33 09.0	22 09.5	5311	5	1	2	2A
10270	2143	25	32 00.3	23 00.7	5321	5	10	5	2A
10271	0847	26	30 59.3	24 01.0	5428	7	10	5	2A
10272	1954	26	29 59.5	25 00.3	5430	5	10	5	2A
10273	0650	28	33 15.6	22 04.4	5304	7	0	0	2A
10274	2200	28	33 05.1	22 05.9	5307	5	8	3	2A
10275	1610	29	33 18.1	22 05.5	5250	10	0	0	2B
	1657		33 18.1	22 06.2	5227	7			
10276	0308	30	33 18.1	22 04.5	5030	10	10	5	2B
	0653		33 19.0	22 07.8	5332	9			
10277	2038	30	33 19.8	22 17.2	5366	5	10	3	2B
10278	0442	31	33 20.3	22 12.4	5348	5	2	0	2B
10279	1548	31	33 19.5	22 08.0	5335	7	10	5	2B
	2000		33 20.9	22 13.2	5352	30			
10280	0735	1.II	33 22.1	22 04.8	5329	5	10	5	2B
10281	1834	1	33 20.3	22 01.1	5335	5	2	2	2B
10282	2212	1	33 18.0	22 04.2	5035	7	2	2	2B
10283	0416	2	33 12.9	22 09.8	5313	7	0	2	2B
10284	1001	2	33 25.3	21 57.8	to 600 m only ...		0	0	2B
10285	1937	2	33 20.3	22 03.6	4923	8	0	2	2B
	2337		33 22.5	22 04.3	5324	8			
10286	1452	3	33 24.5	21 58.6	5324	7	0	3	2B
10287	2015	3	33 30.2	21 49.9	5348	8	0	3	2B
10288	2243	4	33 06.6	21 46.0	5268	7	0	3	2B
10289	1602	5	33 27.9	22 23.7	5368	8	6	3	2B
10290	0428	7	33 59.6	20 59.4	5236	10	10	5	2B
10291	1554	7	34 59.7	19 59.4	5211	5	10	5	2B
10292	0324	8	36 01.5	18 58.4	5477	8	10	5	2B
10293	1329	8	36 53.8	18 06.3	5592	8	10	5	2B
10294	0129	9	37 53.5	17 03.8	5518	8	10	5	2B

Group 1 CTD unit 1

Group 2A,2B CTD unit 2; A & B distinguish conductivity cells

TABLE 2

Fit of CTD data to Rosette sample values

Variable, Range		Corrected CTD minus Reversing Thermometers or Sample Salinity		
		Mean	Standard deviation	number
pressure, db	0-2000 db	+ 0.5	2	30
	2000-5600 db	+ 1.0	4	52
temperature, °C	5°C	0	.006	31
	5°C	-.001	.004	59
salinity, PSU	0-2000 db	+.002	.008	58
	2000-5600 db	-.001	.0025	70

Depth of 5°C isotherm is approximately 1800 db.

TABLE 3

Data processing path (also see appendix)

Stage	Description
1	Input raw data from tape to disc file; sketch data.
2	Calibrate pressure and temperature; correct temperature for lag and compute provisional salinity and potential temperature, list.
3	Correct salinity and identify suspect data*.
4	Edit selected suspect data and linearly interpolate new values. Identify suspect data. Repeat this stage as required.
5	Plot edited T,s versus p 0-2000 db for data report.
6	Copy edited data to tape.
7	Create 5 db averages for down lowering.
8	Fill data gaps (start of lowering).
9	Station list for data report.

* Suspect data is identified as differing by several standard deviations from previous good value.

APPENDIX

Stage 1 Input raw CTD data; sketch it.

EXEC PDPIN	Tape to Disc File
0000001	
FILE,1,WPRDI10290BW,2	named file
TYPE,7	Raw, averaged data
FIND WTAPE938913	
MAKE WPRDI10290BW	
EXEC PSKICH	Sketch each variable
Ø	
CYCS,,	
GROUP,100	
VAR, -	
FIND WPRDI10290BW	

Stage 2 Calibrate p T, compute provisional s and θ ; list

```
EXEC PCALIB                calibrate p,T
Ø
LINEAR,PRES,PRES,.1,-8.0,DECIBARS,-999.0
LINEAR,TEMP,TEMP,.00050042,.044,DEG C,-999.0
LINEAR,COND,COND,.001,.0,MMHO,-999.0
LINEAR,DELTAT,TEMPC,.00011,.0,DEG C,-999.0
FIND WPRDI10290BW
MAKE PHYSFILE,,,4,27000
EXEC PARITH                correct T
Ø
CYCS,,
COPY,PRES,COND,TEMP
ADD,TEMP,TEMPC, TEMPC, DEG C,-999.0
COPY,TEMP,TEMP
FIND PHYSFILE
MAKE WPRDI10290BW
EXEC PEOS80                Compute s, $\theta$ 
Ø
CYCS,,
COPY
VARS,PRES,COND,TEMP,TEMPC
SAL78
VARS,P,1,G,2,T,4
PTMP,0.0
VARS,P,1,S,5,T,4
FIND WPRDI10290BW
MAKE WPRDI10290BW
EXEC PLSTDC                List every 50th value
Ø
EVERY,50
CYCS,,
VARS,-
FIND WPRDI10290BW
```

- Notes
- (1) Variable DeltaT is difference between instantaneous T at start and end of average T interval. Corrected temperature TEMPC given by $Tempc = Temp + \tau \cdot \Delta T$ where τ is temperature time constant (assumed .22 sec)
 - (2) Sal78 is name for salinity according to the practical salinity scale.

Stage 3. Correct Salinity and identify suspect data

```
EXEC PCALIB
Ø
COPY,PRES,PRES
COPY,TEMPC,TEMPC
LINEAR,SAL78,SAL78,0.999999,0.      Correction factor
FIND WPRDI10290BW
MAKE PHYSFILE,,,3,27000
EXEC PEOS80
Ø
CYCS,1111,45678                    Truncate, start and end.
COPY
VARS,-
PTMP,0.0
VARS,P,1,T,2,S,3
FIND PHYSFILE
MAKE WPRDI10290BW
EXEC PCHECK                          Identify suspect data
Ø1
CYCS,,
ERRA,0.001,8.0
VARS,-
FIND WPRDI10290BW
MAKE WPMSEDITFILB                    Create edit file
```

Stage 4. Edit selected suspect data

EXEC PRIGHT	Insert absent data at locations indicated from edit file
Ø1	
ENTRIES,18	
FIND WPRDI10290BW	
FIND WPMSEDTITFILB	
MAKE WPRDI10290BW	
EXEC PRIGHT	Insert absent data at locations indicated by data cycle
ØØ	
VAR,3	
REPLACE,999	
FIND WPRDI10290BW	
MAKE PHYSFILE,,,5,27000	
EXEC PINTRP	Interpolate absent data
Ø	
LINEAR,-	
FIND PHYSFILE	
MAKE WPRDI10290BW	
EXEC PCHECK	Identify suspect data again
Ø1	
CYCS,,	
ERRA,.001,8.0	
VAR,-	
FIND WPRDI10290BW	
MAKE WPMSEDTITFILB	create edit file

Notes (1) This stage repeated as many times as required.

Stage 5. Plot edited 1 sec values

P85,11,DISCOVERY 117 STATION 10290 34 00N 20 59W

EXEC PCALIB

Ø

COPY,PRES,PRES

COPY,TEMPC,TEMPC

RANGE,SAL78,SAL78,34.9,36.2

Causes salinity variable to be paged

FIND WPRDI10290BW

MAKE PHYSFILE,,,3,15000

EXEC PLOTXY,RLSP

Ø

CYCS,1,

PLOT,450,700,330.2,508.0

XAXIS,2,50.8,25.4

YAXIS,2,50.8,25.4

YVAR,PRES,0.,2000.,4,200

XVAR,TEMPC,0.,32.5,1,5.0

XVAR,SAL78,34.9,36.2,1,0.2

FIND PHYSFILE

Note to make A4 size output, a scaling factor of 0.4 is employed at the output stage

Stage 6. Archive 1 sec values to tape

EXEC PTAPEP

Ø

FIND WPRDI10290BW

MAKE WPRDI10290BW,ARCH,TAPE

Stage 7. Create 5 db averages of down lowering

EXEC PCOPYA	Truncate data
1	
VARS,1,2,3	
COPY,1,9999	End of down cast
FIND WPRDI10290BW	
MAKE PHYSFILE,,,3,9999	
EXEC PGFILE	File management
Ø	
FIND PHYSFILE	
MAKE TEMPFILE,,,3,9999	
EXEC GSORT3	Sort data cycles on pressure
00000000000000002000PRES	
FIND TEMPFILE	
MAKE WORKFILE,,,3,9999	
EXEC GPFILE	
Ø	
FIND WORKFILE	
MAKE PHYSFILE,,,3,9999	
EXEC PAVRGE	Average data at 5db intervals
Ø	
SCAN,1,0.,5.0	
VARS,-	
FIND PHYSFILE	
MAKE WPRDI10290BW	
EXEC PLSTVR	List 5 db averaged data
Ø	
CYCS,,	
VARS,-	
FIND WPRDI10290BW	

Stage 8. Fill data gaps at start of lowering

```
EXEC PCOPYA
Ø
VARS,-
INSERT,4           Insert 4 blank data cycles
COPY,1,
FIND WPRDI10290BW
MAKE PHYSFILE,,,3,1200
EXEC PEDITA
0000001
NUCYC,1,2.5,18.3871,36.6536      Fill them!
NUCYC,2,7.5,18.3871,36.6536
NUCYC,3,12.5,18.3871,36.6536
NUCYC,4,17.5,18.3871,36.6536
FIND PHYSFILE
MAKE WPRDI10290BW
```

Note. A common problem, missed data at start of lowering.
Assume water well-mixed to first true data value.

Stage 9. Station List

```
EXEC PEOS80                                Calculate standard oceanographic quantities
Ø
CYCS,,
POSI,34.005,,20.990,
COPY
VARS,1,2,3
PIMP,0.0
VARS,P,1,T,2,S,3
SIGP
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 WPRDI10290BW
MAKE PHYSFILE,,,9,1500
EXEC PFETCH                                Interpolate to standard pressure levels
000004
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,3200,3400,3600,3800,4000,4200,4400,4600,4800,5000
LEVS,5100,5200,5300,5400,5500,5600
FIND PHYSFILE
MAKE WPRDI10290BW
EXEC PEOS80                                Calculate further oceanographic quantities
Ø
CYCS,,
COPY
VARS,-
SVAN
VARS,P,1,T,2,S,3
BVFR
VARS,P,1,T,2,S,3
FIND WPRDI10290BW
MAKE PHYSFILE,,,11,100
EXEC PTIMES                                Add location data
Ø
CYCS,,
COPY,-
NEWVAR,INGITUDE,DEGREES,-999.,20.990,0.0
NEWVAR,LATITUDE,DEGREES,-999.,34.005,0.0
FIND PHYSFILE
MAKE WPRDI10290BW
EXEC PLSTDC                                List station data
1 1
(1HL//30X,'DISCOVERY 117 STATION 10290'//
' P-DB T-DEGC S=0/00 Ox-ML/L POTEMP SIGMAT SIG4000'
' DYNHT-M SNDV-M/S DEPTH-M SVANOM BVFR-CY/HR'////)
(1X,F8.0,2F9.3,9X,3F9.4,F9.3,F9.1,F7.0,EL1.4,F9.3)
two blank lines
CYCS,,
VARS,1,-,11
FIND WPRDI10290BW
```

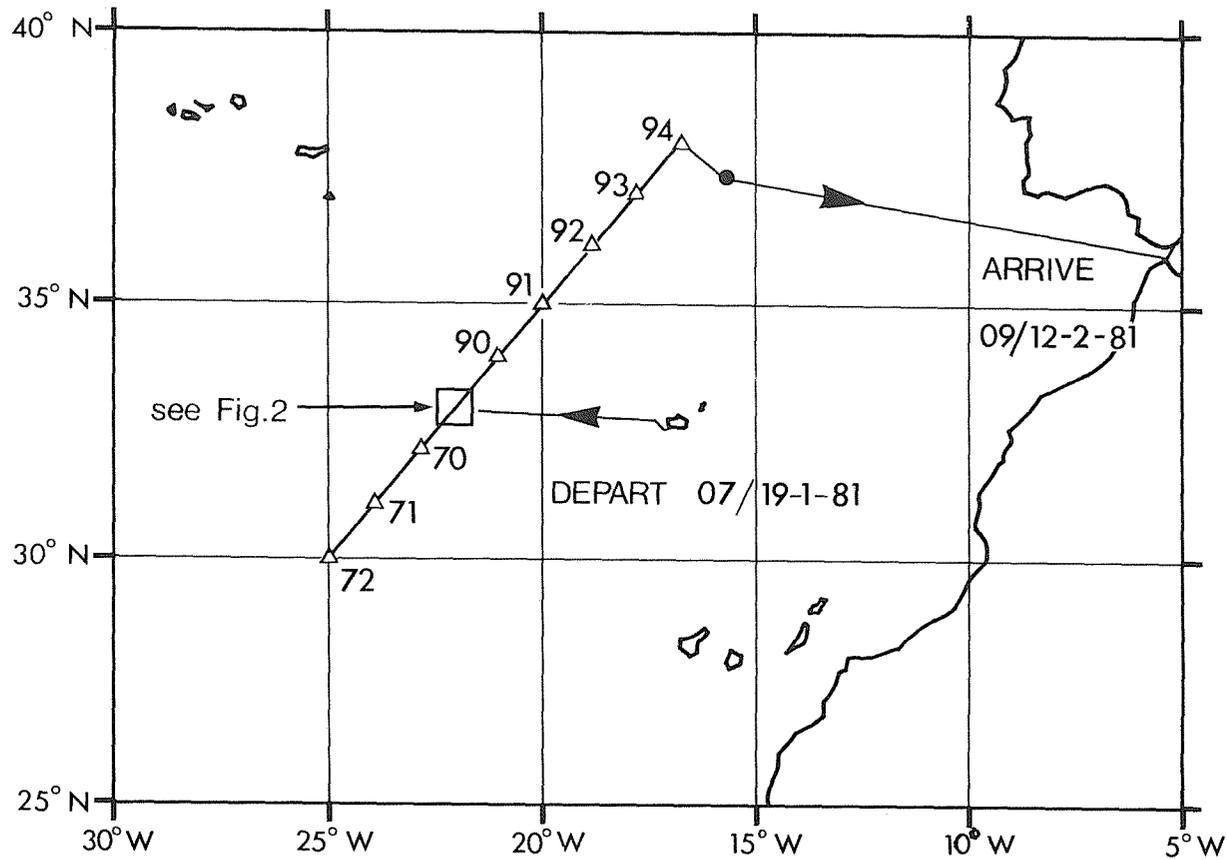


Fig.1 Discovery Cruise 117

70 = STN.(102) 70

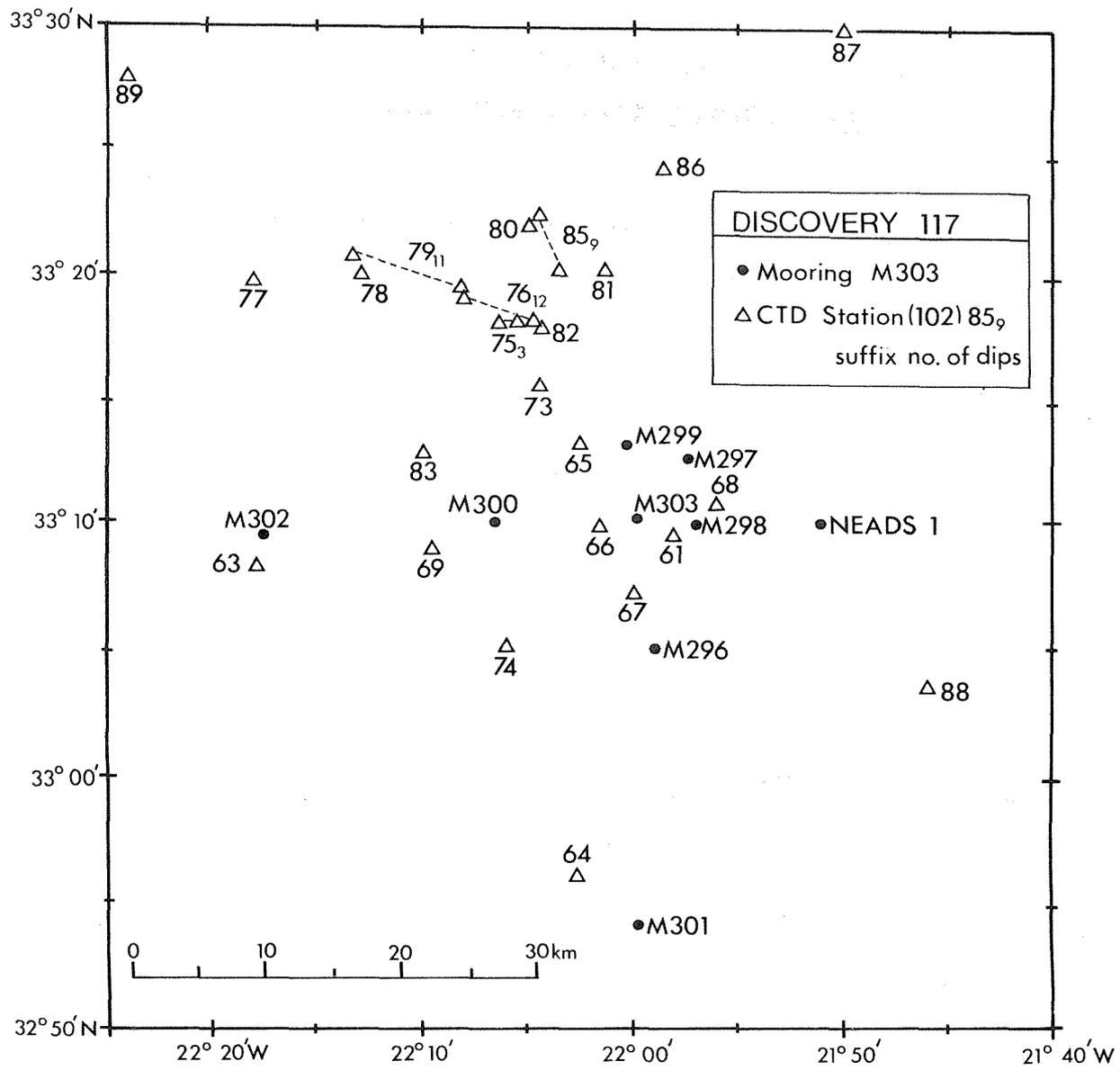


Fig. 2

Fig. 3 PRESSURE DIFFERENCE
corrected CTD-Thermometers (P and U)
versus pressure

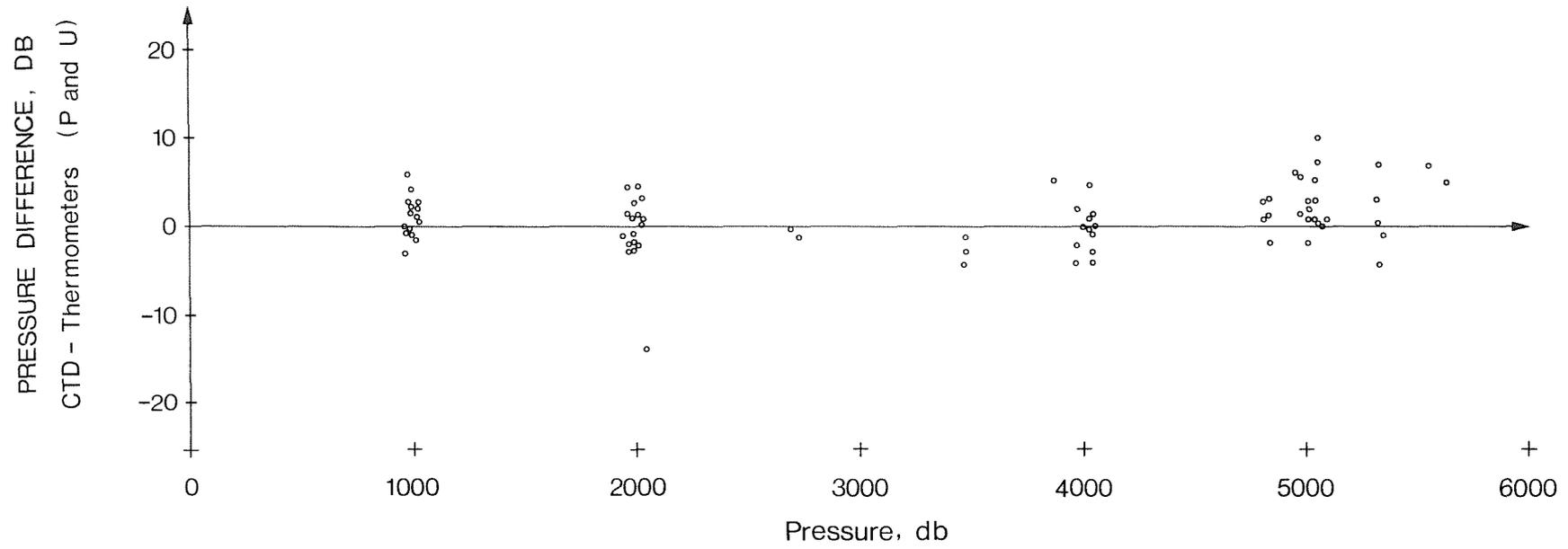


Fig.4 TEMPERATURE DIFFERENCE
corrected CTD-Thermometer

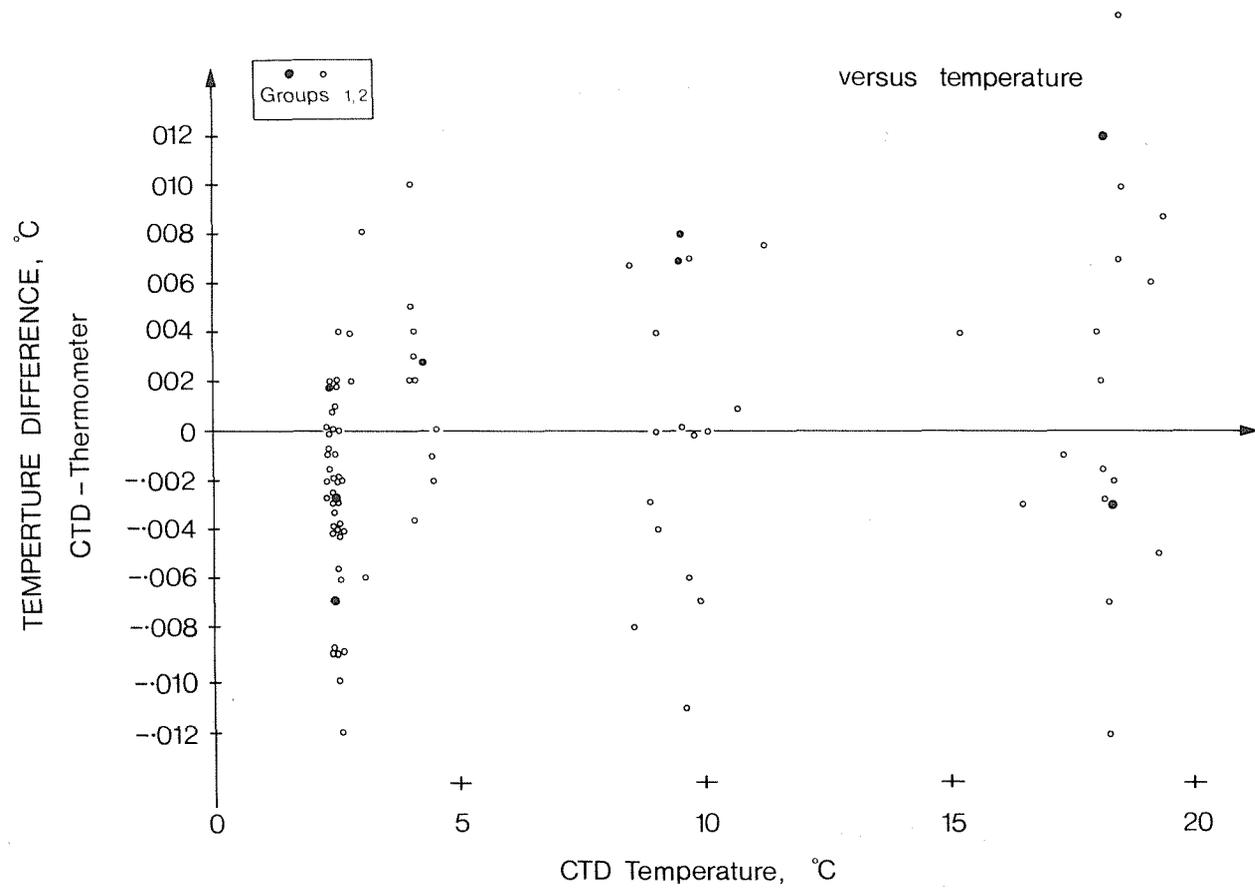
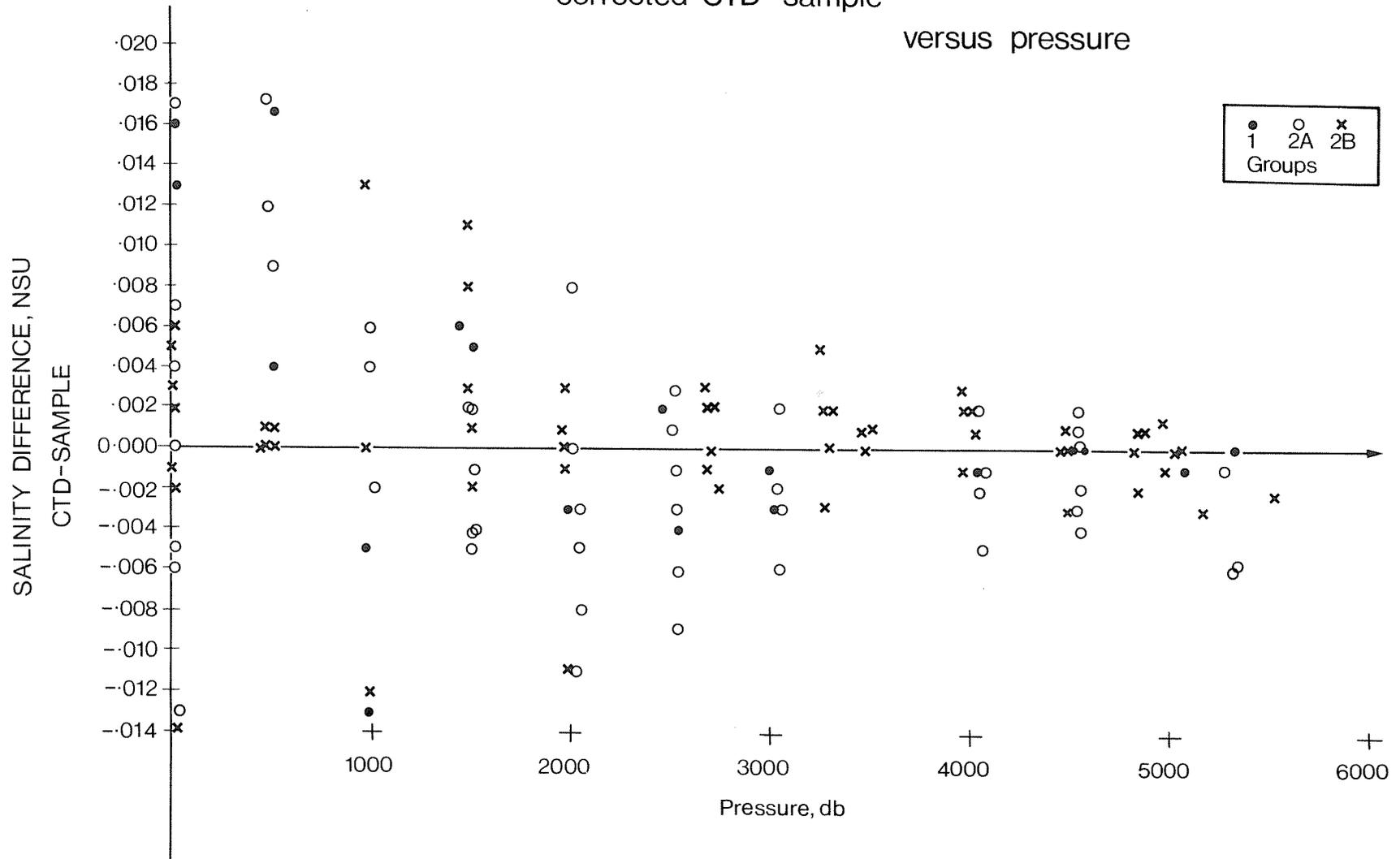


Fig. 5. SALINITY DIFFERENCE
corrected CTD-sample

versus pressure



PRES

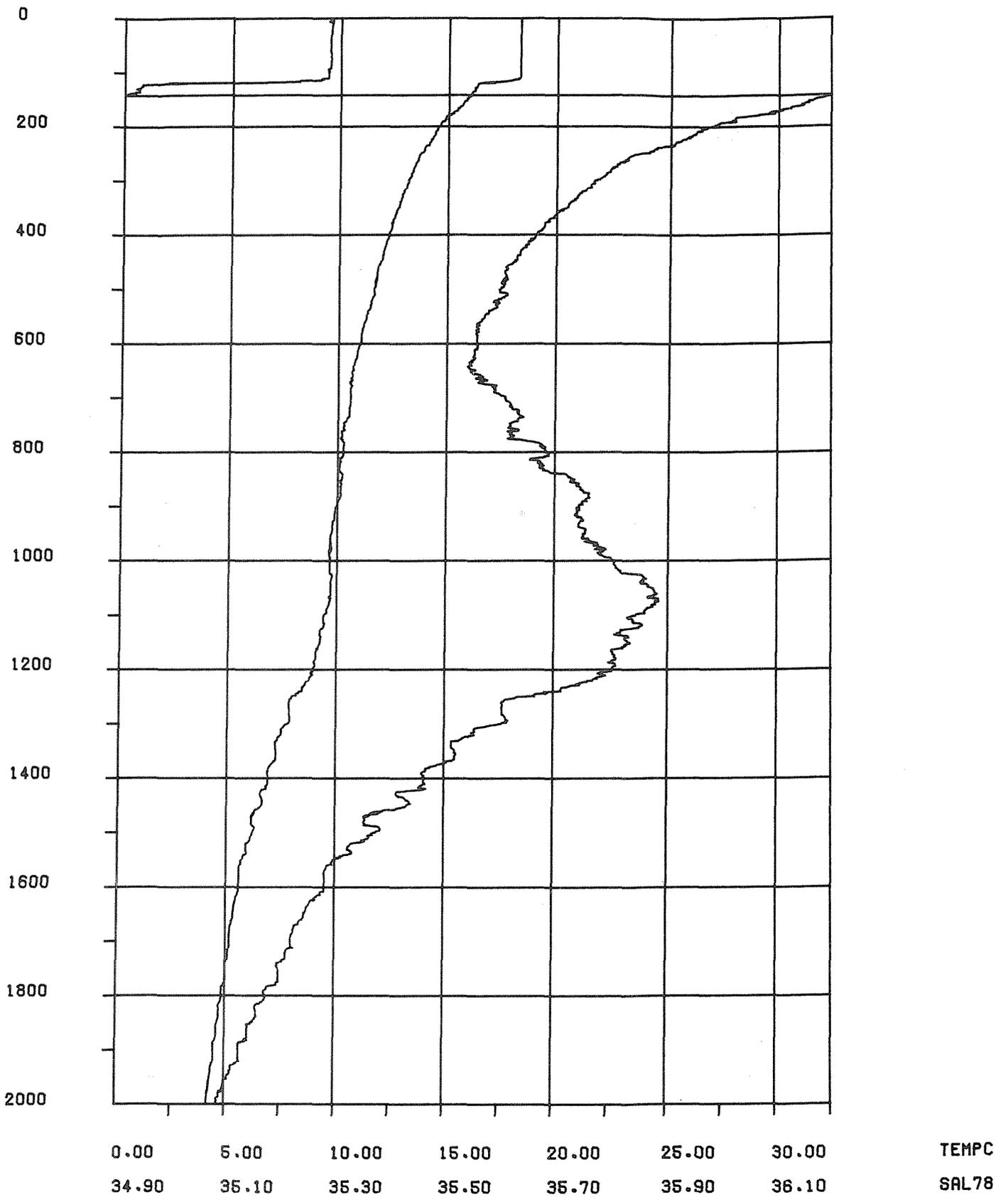


Figure 6

PRES

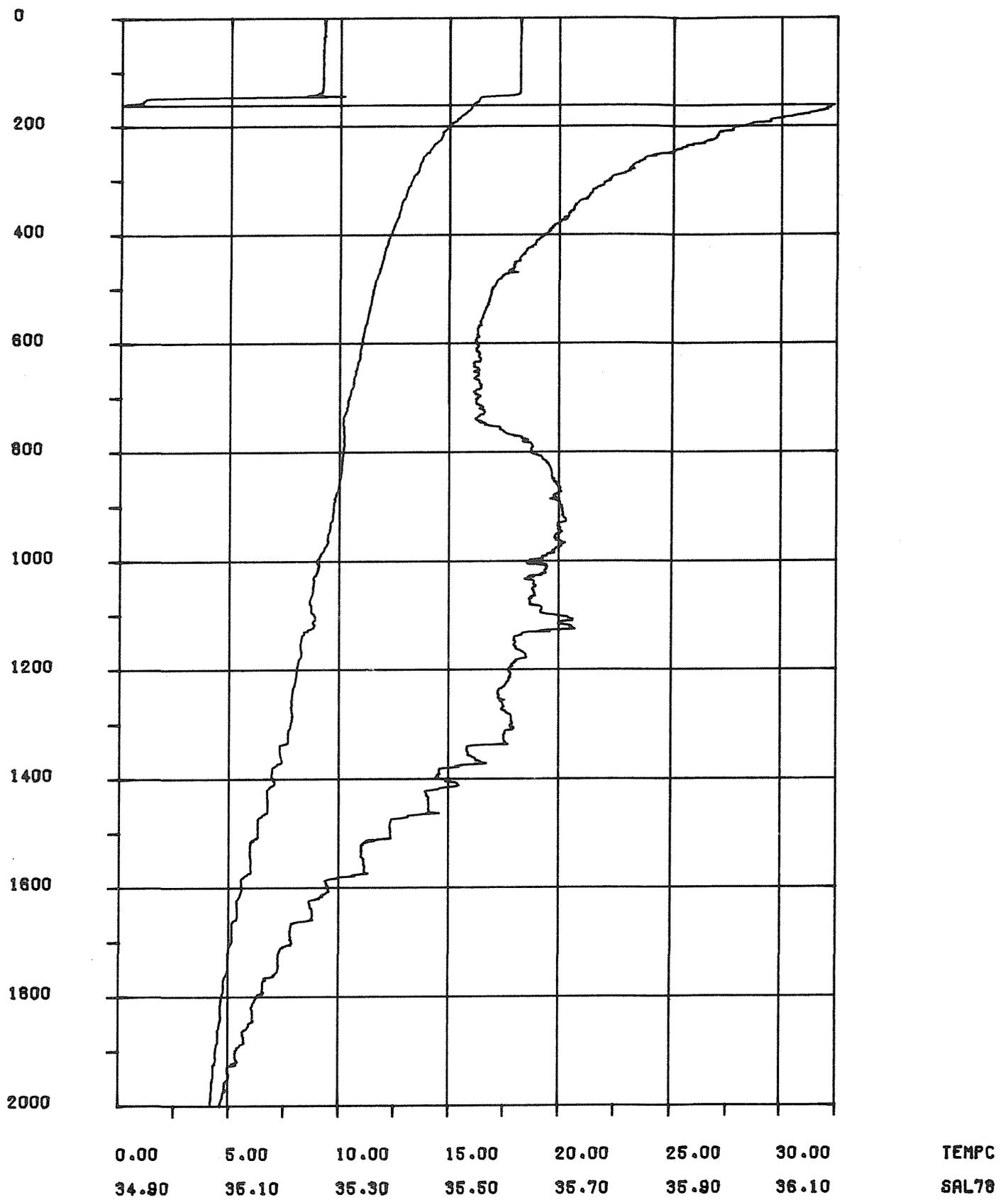


Figure 7

PRES

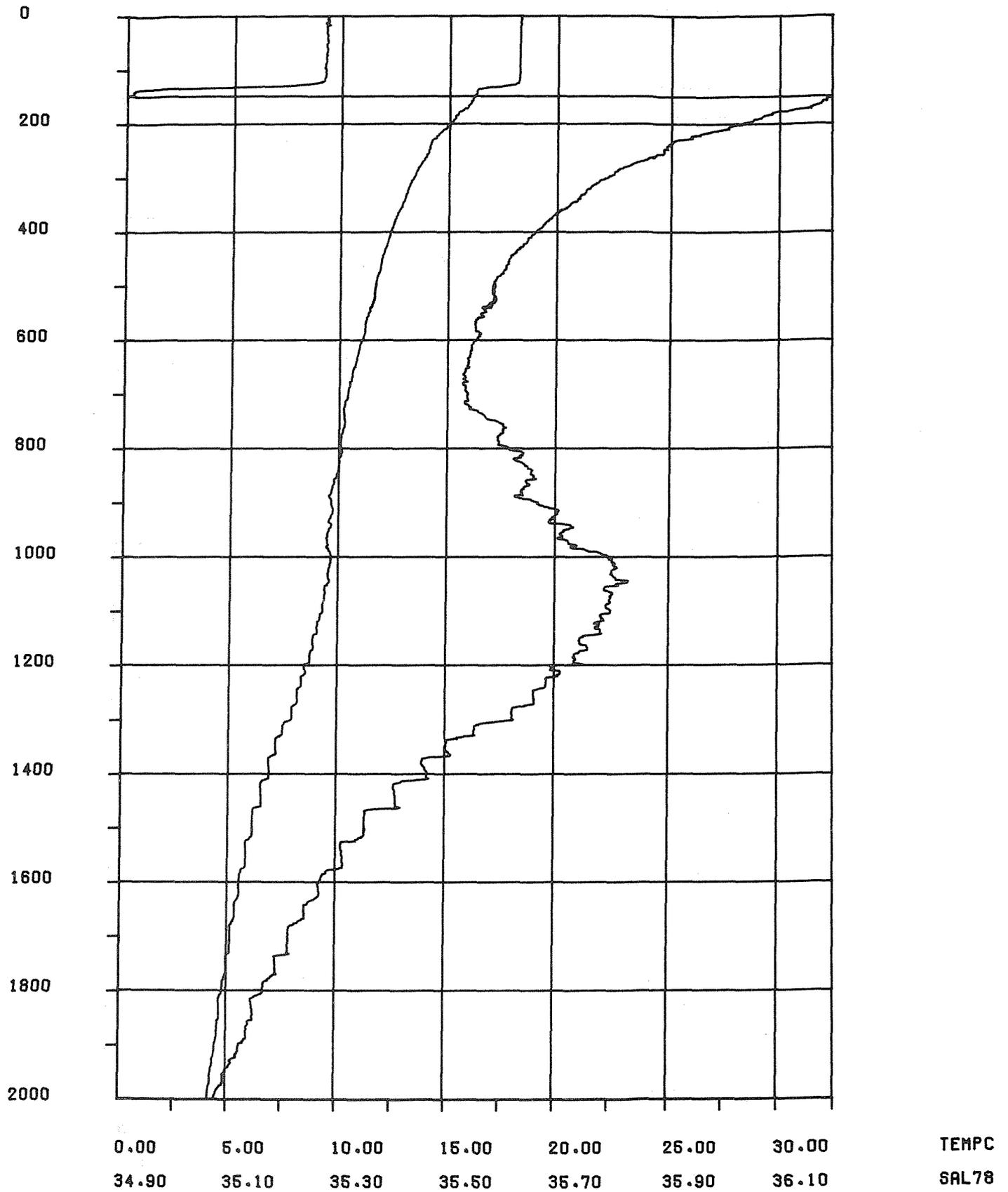


Figure 8

PRES

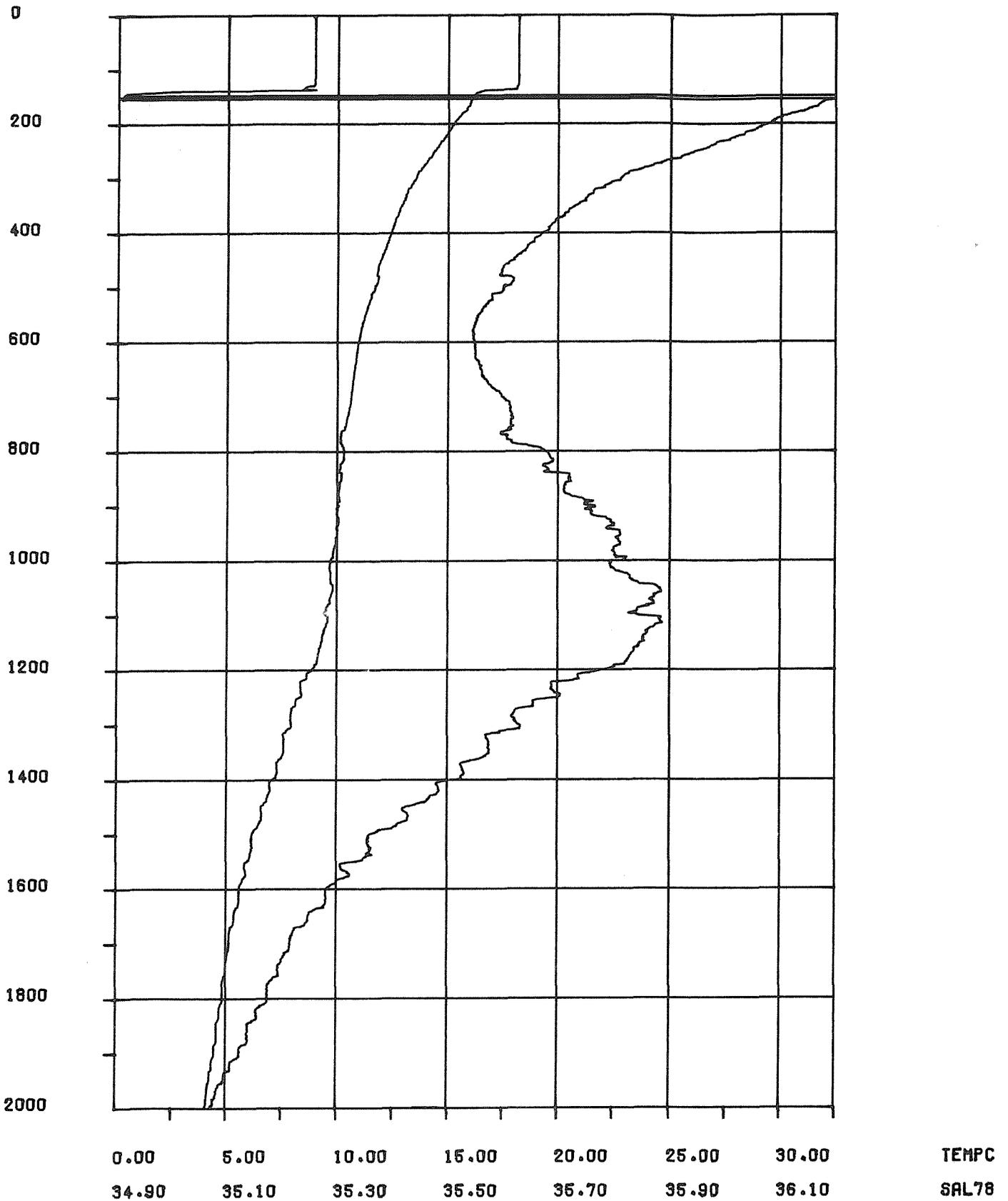


Figure 9

PRES

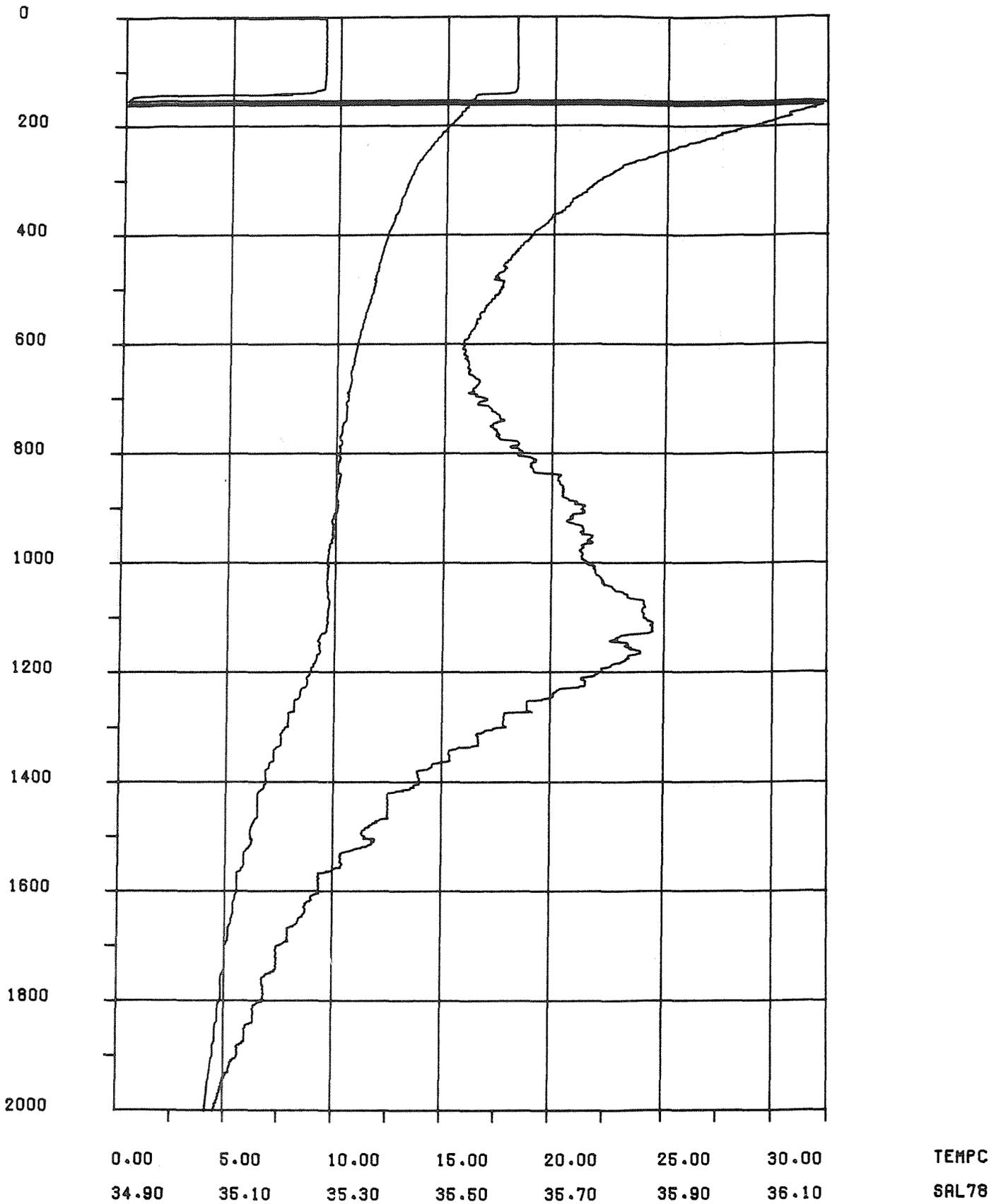
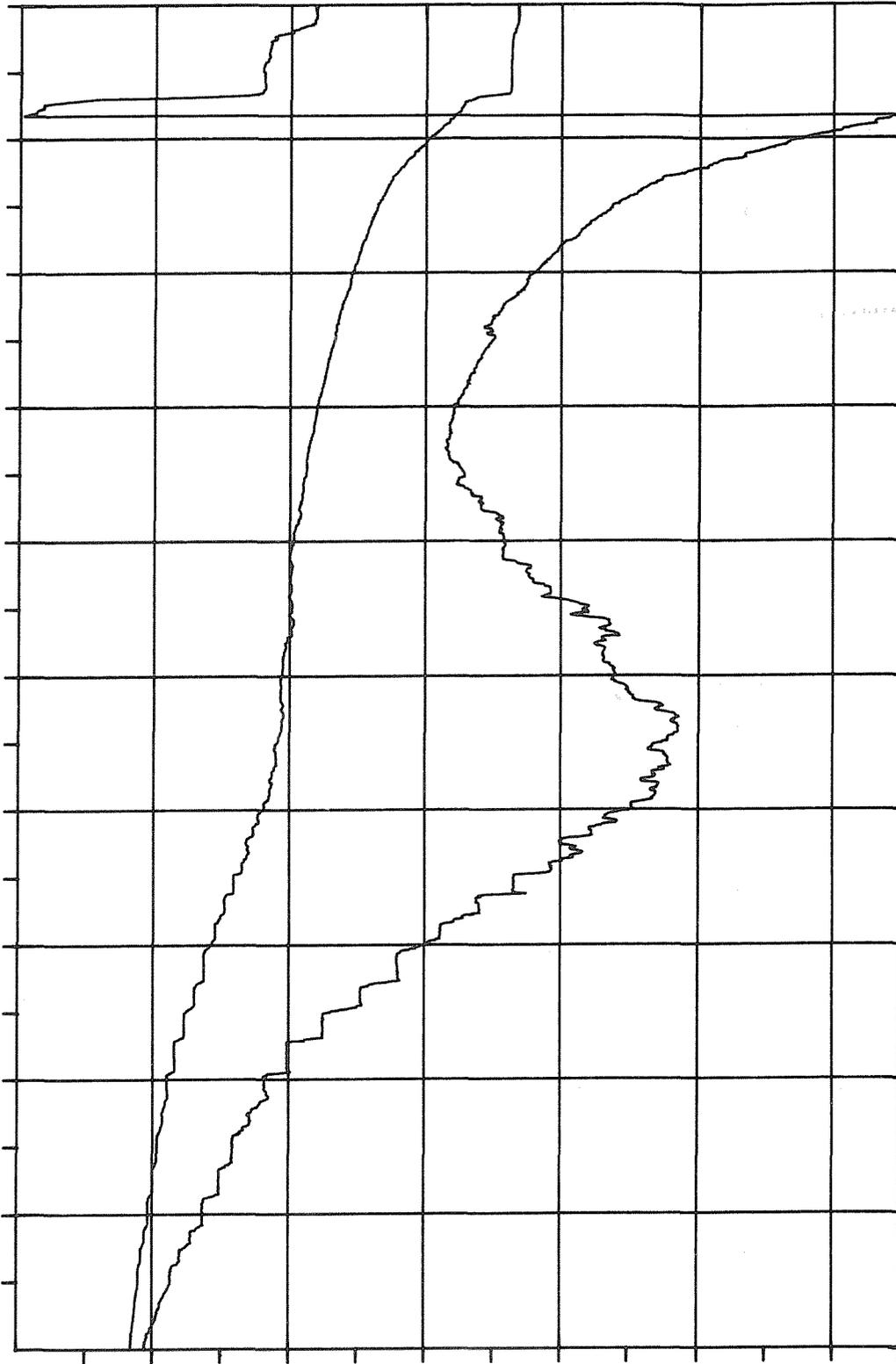


Figure 10

PRES

0
200
400
600
800
1000
1200
1400
1600
1800
2000



0.00	5.00	10.00	15.00	20.00	25.00	30.00	TEMPC
34.90	35.10	35.30	35.50	35.70	35.90	36.10	SAL78

Figure 11

PRES



Figure 12

PRES

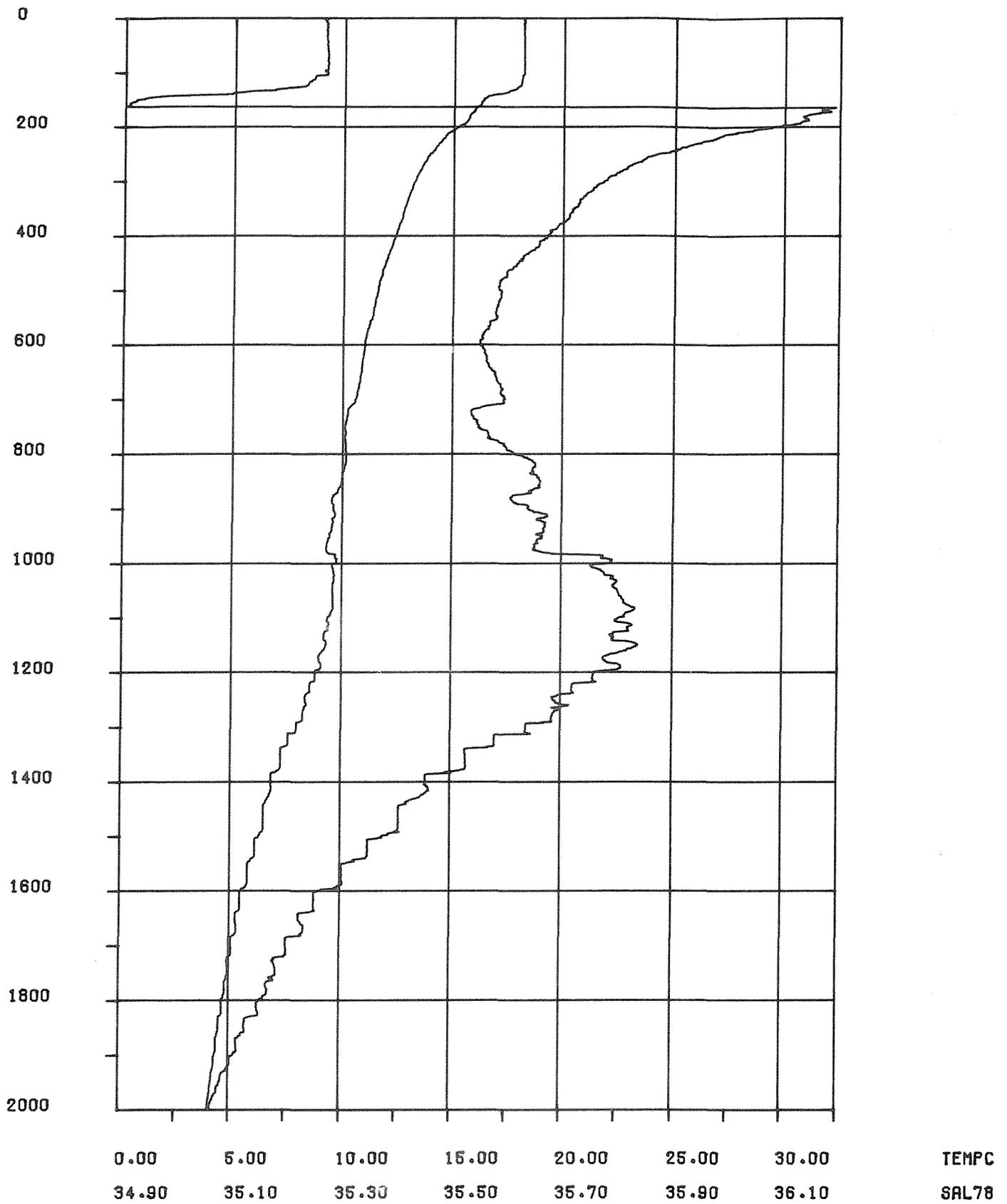


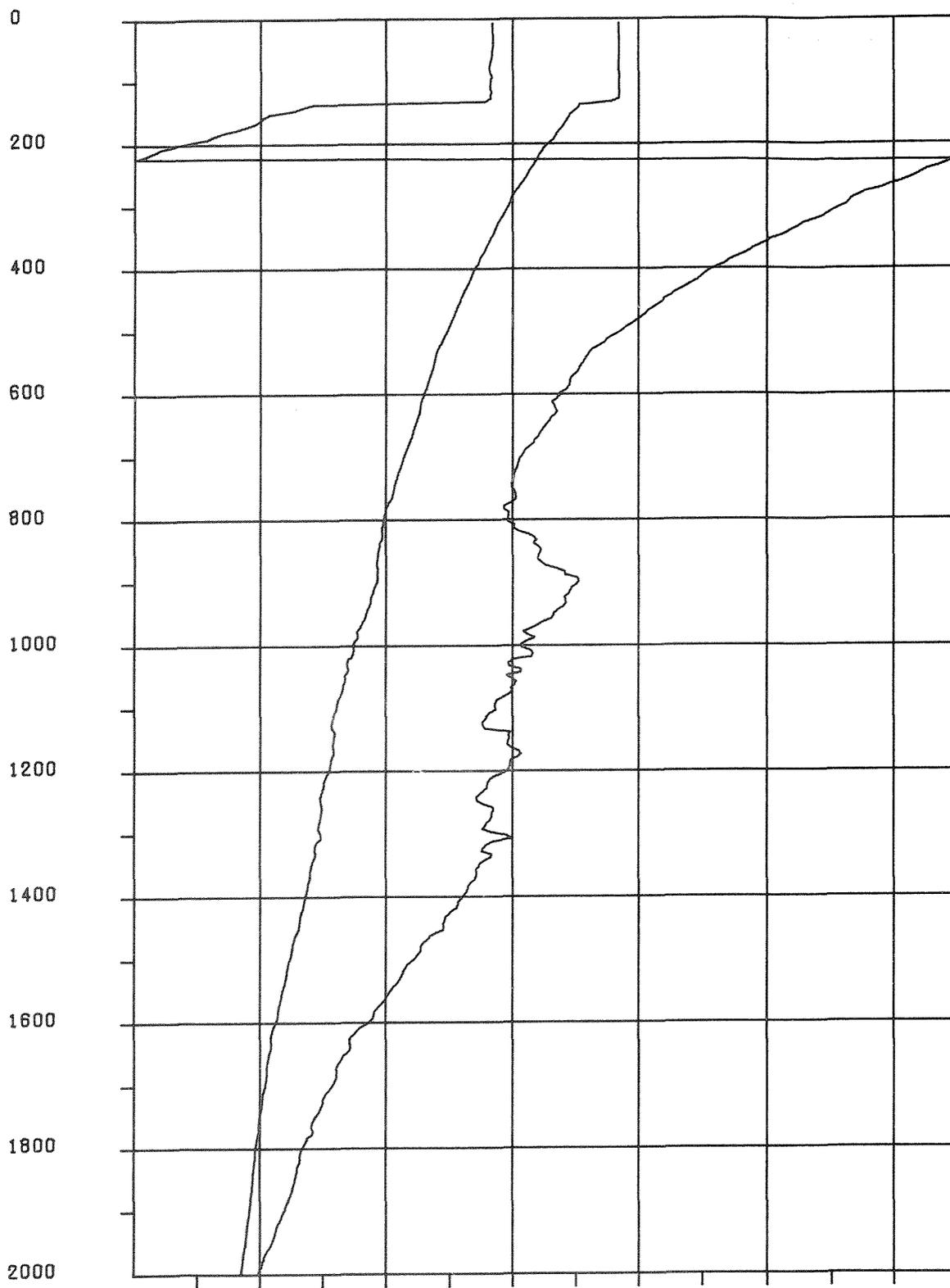
Figure 13

PRES



Figure 14

PRES



0.00 5.00 10.00 15.00 20.00 25.00 30.00
34.90 35.10 35.30 35.50 35.70 35.90 36.10

TEMPC
SAL78

Figure 15

PRES

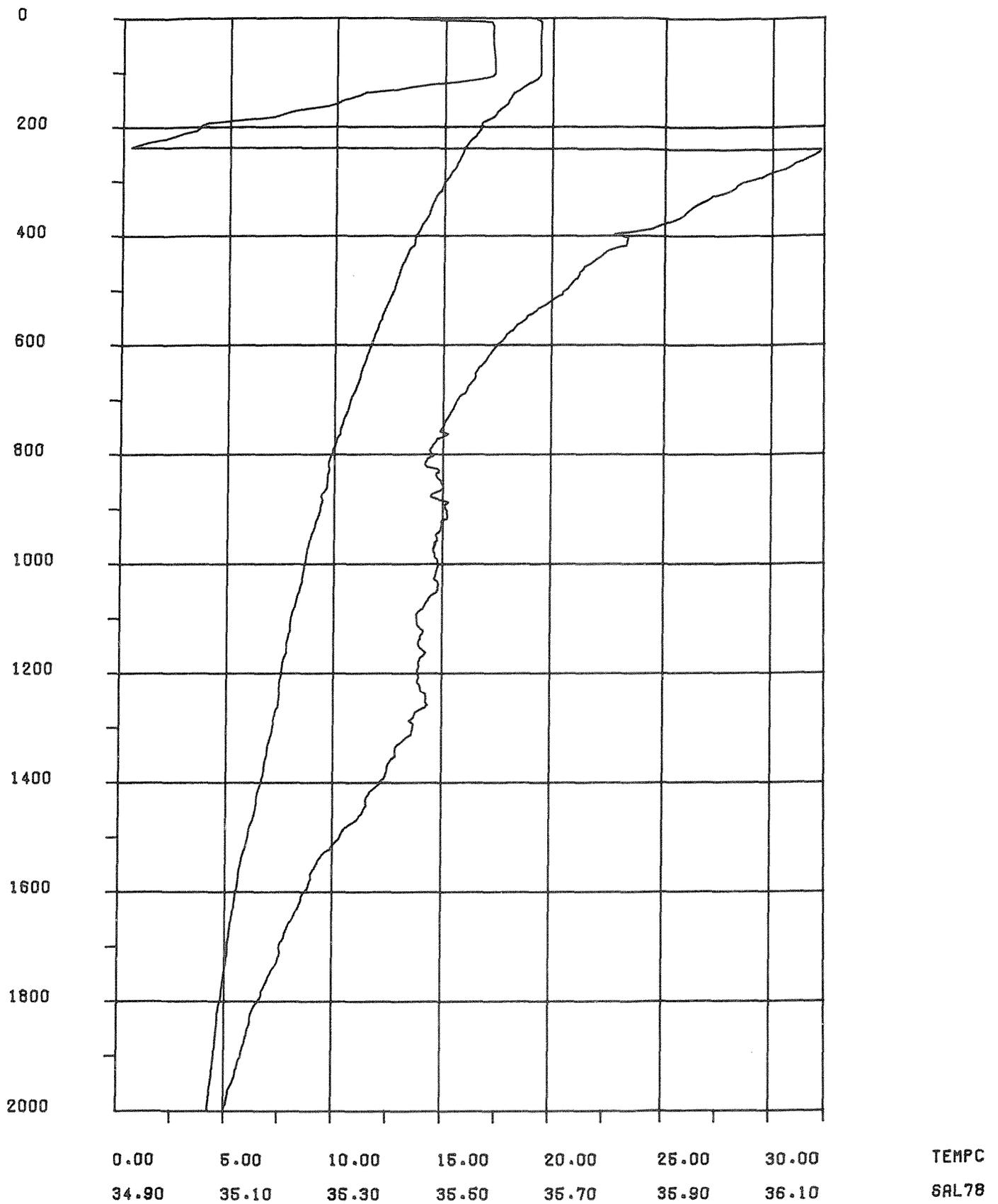


Figure 16

PRES

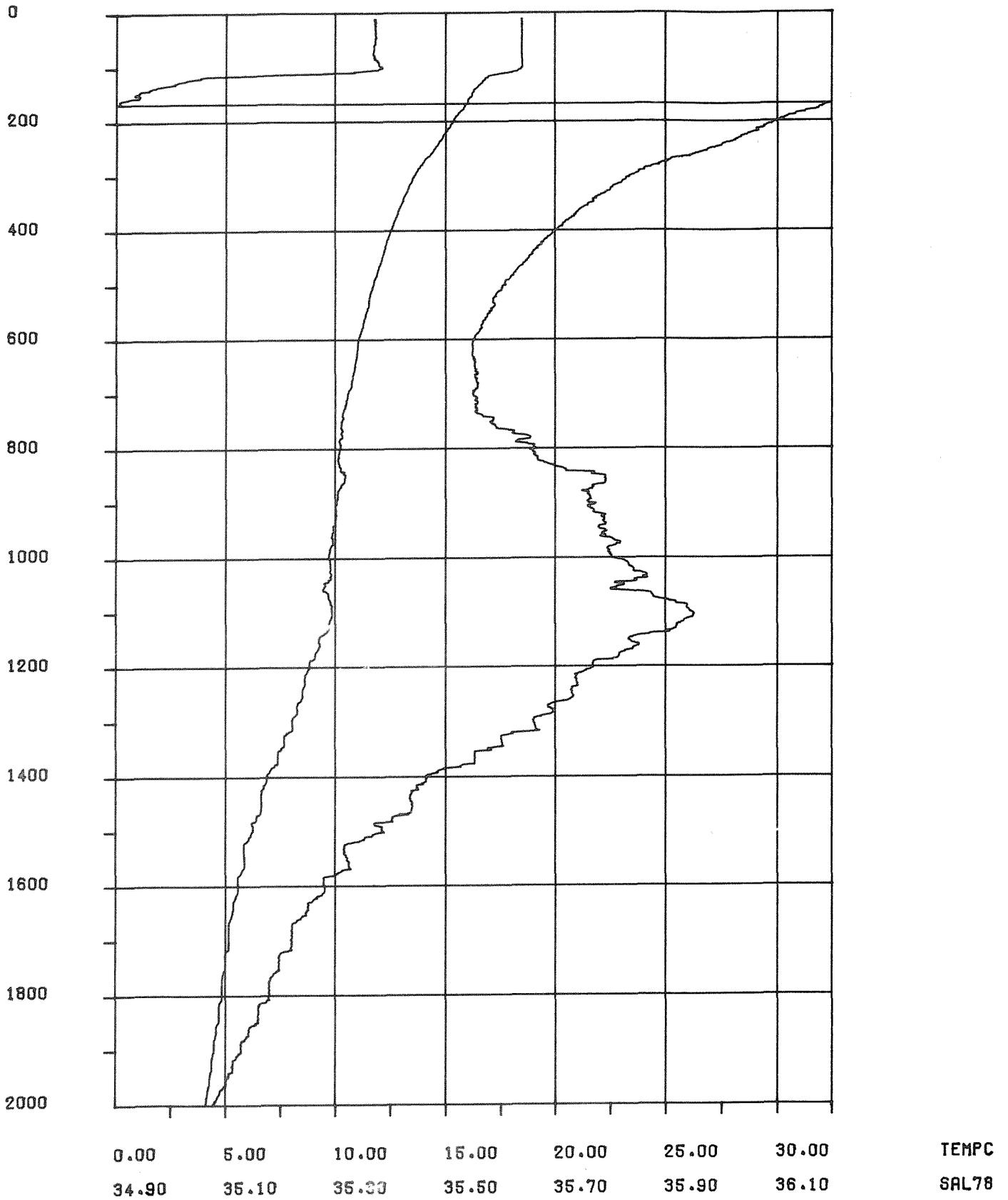


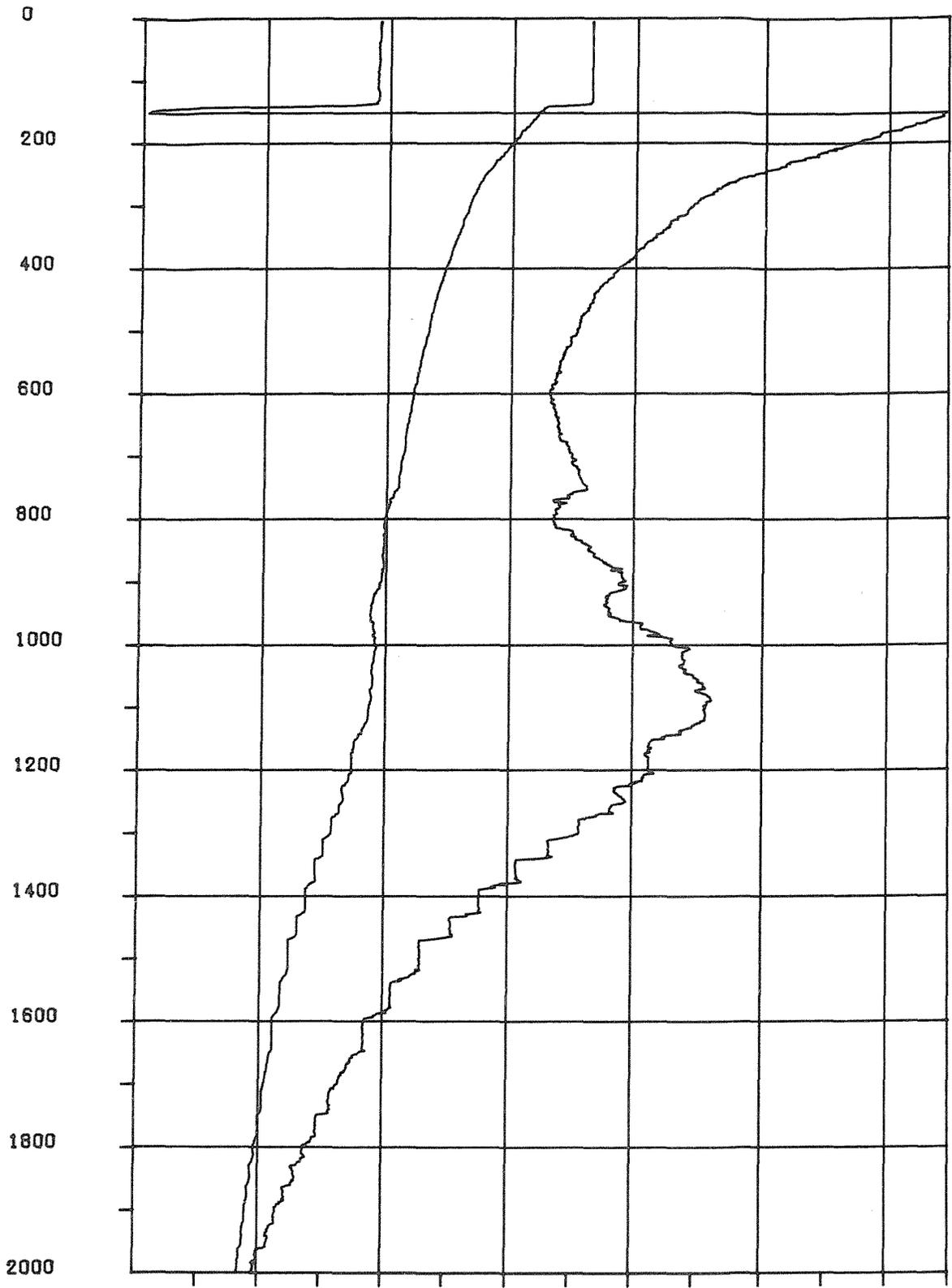
Figure 17

PLOTXY

DISCOVERY 117 STATION 10273 33 16N 22 04W

02SEP81

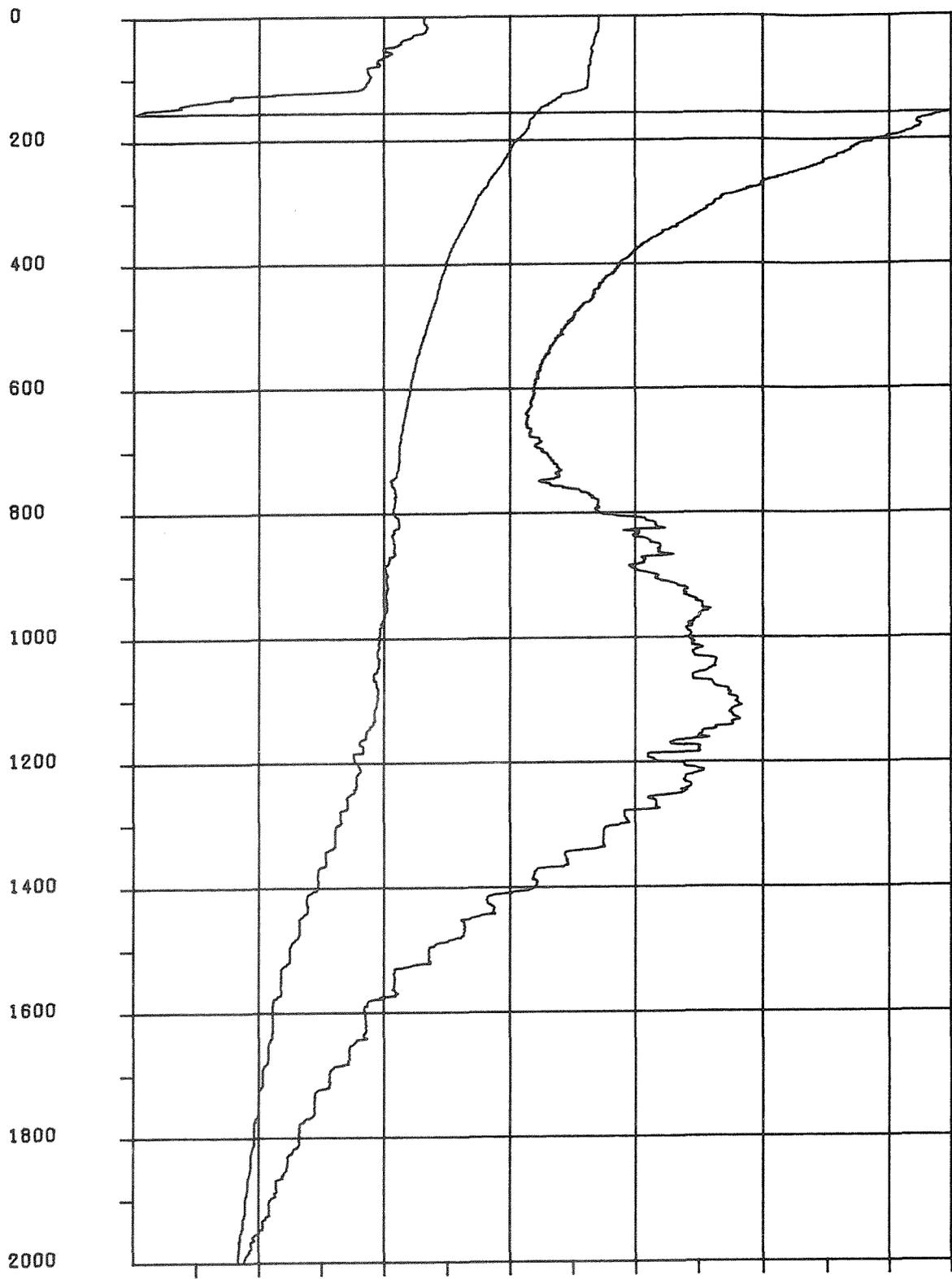
PRES



0.00	5.00	10.00	15.00	20.00	25.00	30.00	TEMPC
34.90	35.10	35.30	35.50	35.70	35.90	36.10	SAL78

Figure 18

PRES



0.00	5.00	10.00	15.00	20.00	25.00	30.00	
34.90	36.10	35.30	35.50	35.70	35.90	36.10	

TEMPC
6AL78

Figure 19

PRES

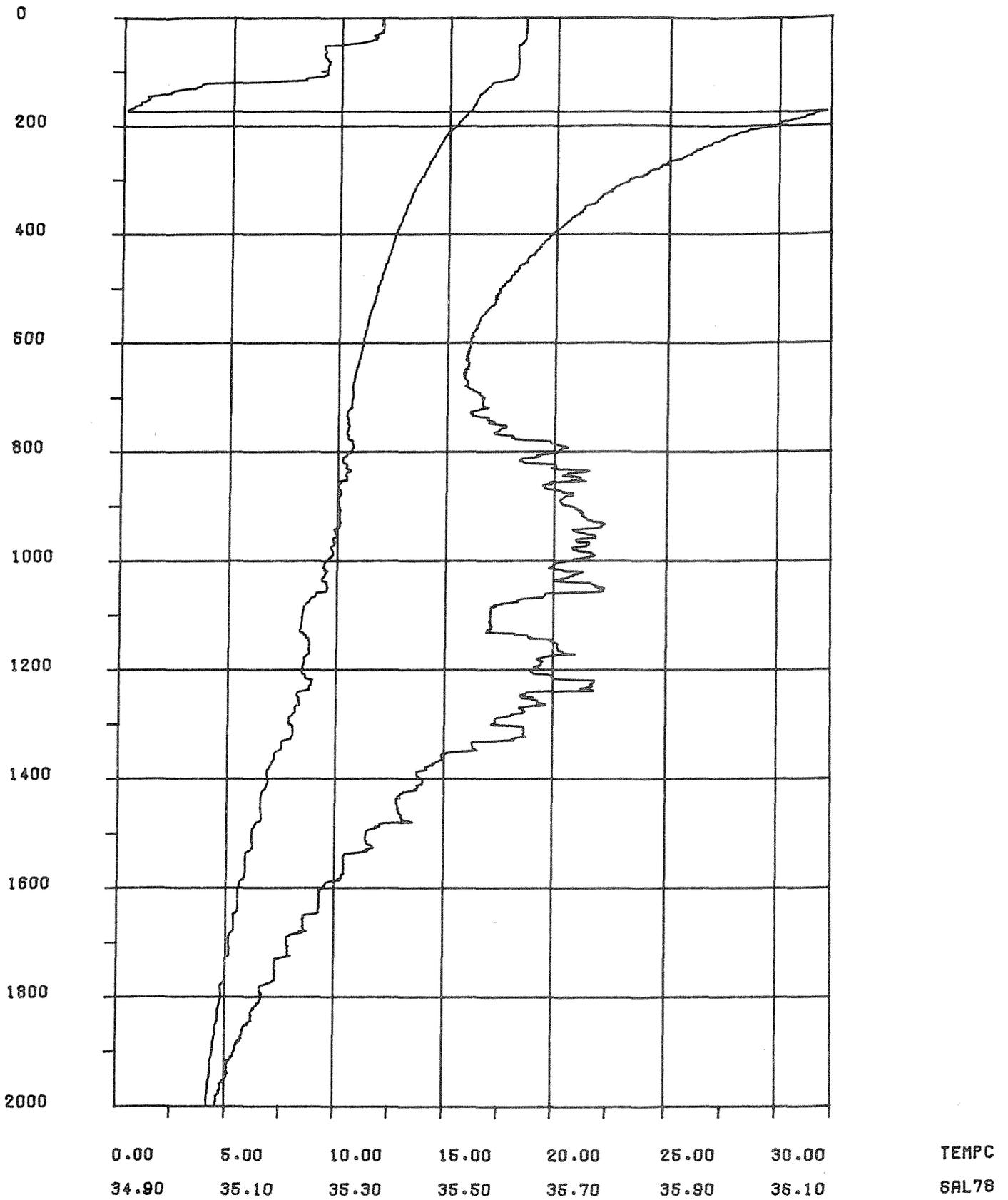
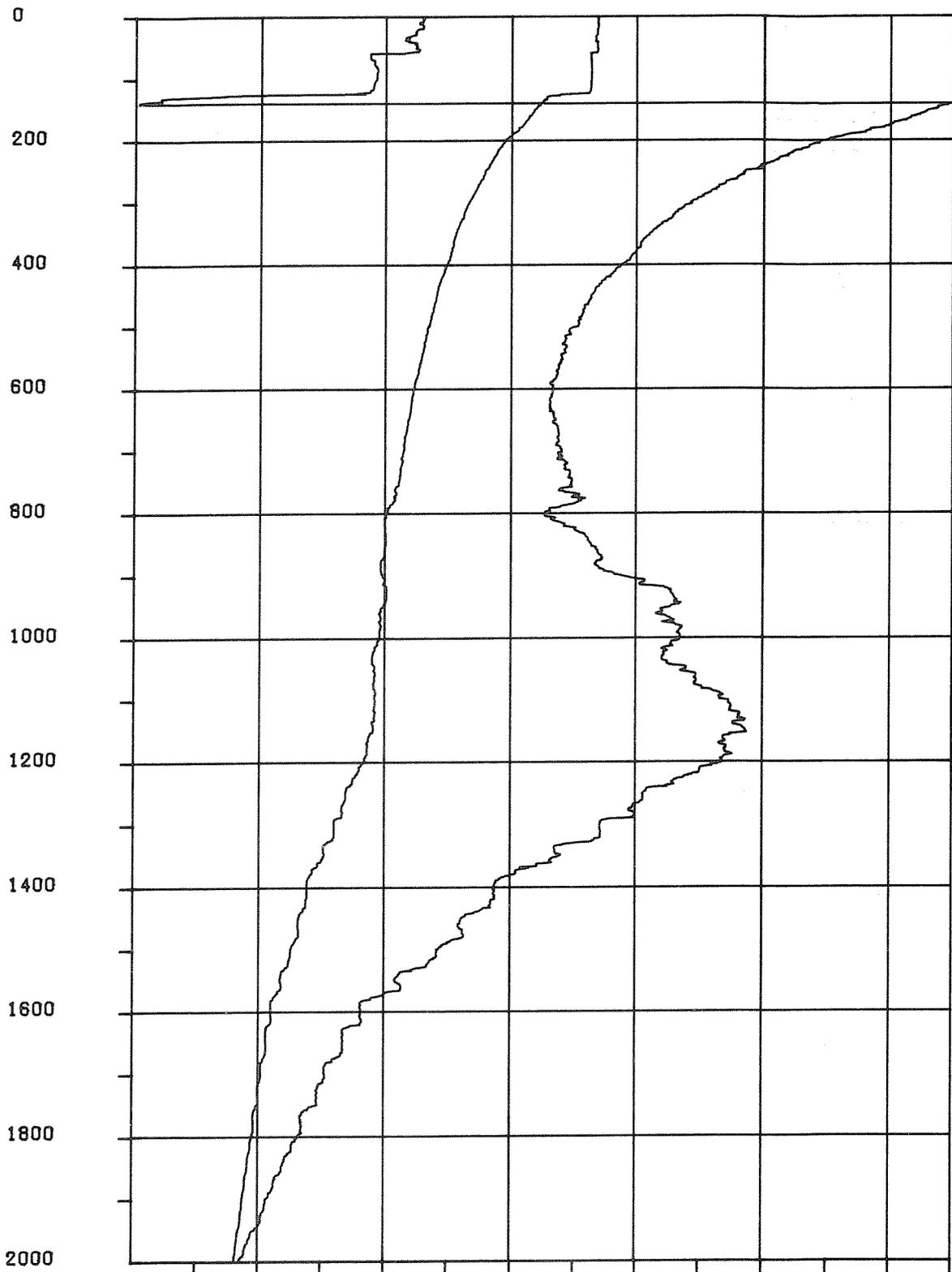


Figure 20

PRES



0.00	5.00	10.00	15.00	20.00	25.00	30.00	TEMPC
34.90	35.10	35.30	35.50	35.70	35.90	36.10	SAL78

Figure 21

PRES

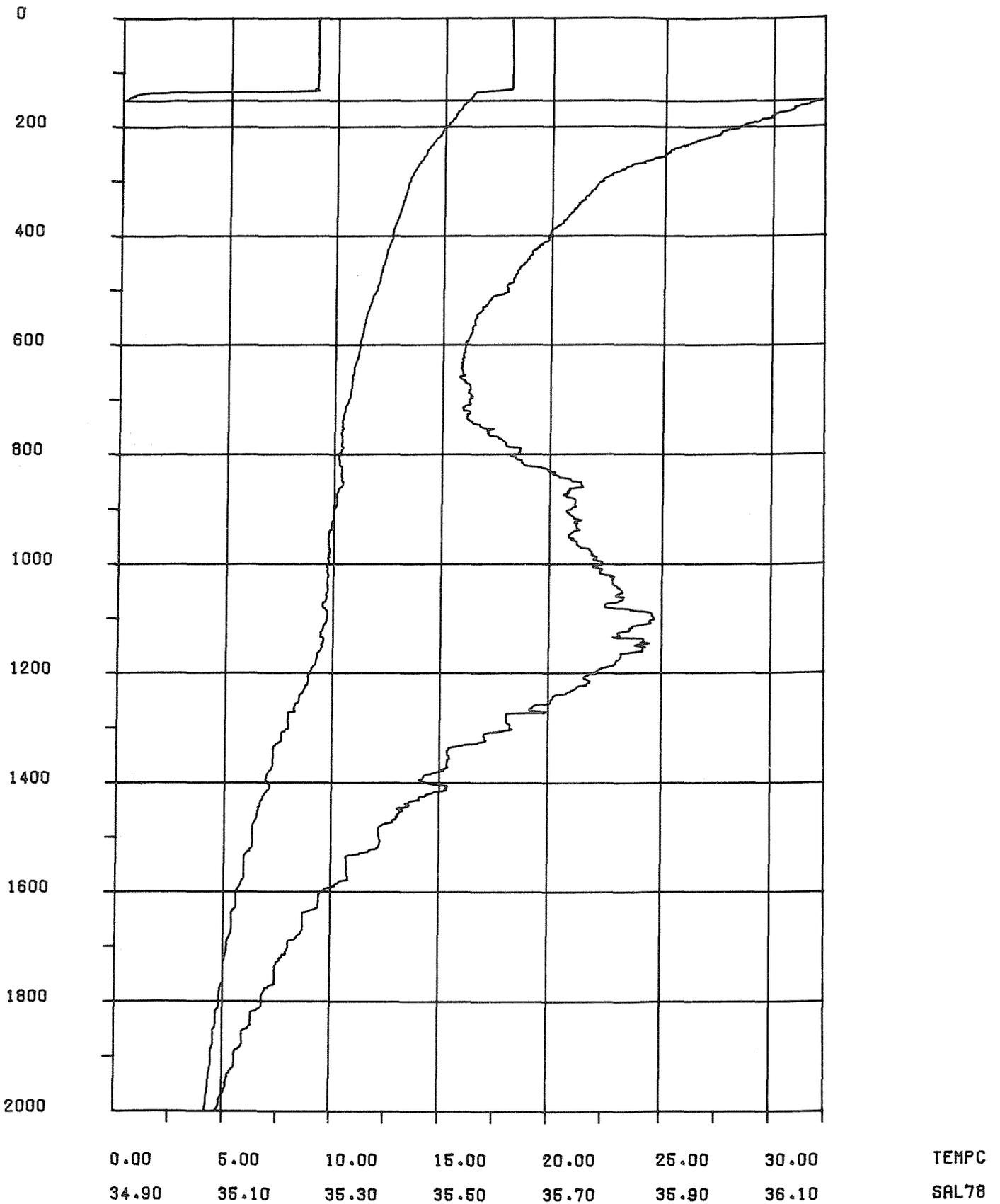


Figure 22

PRES

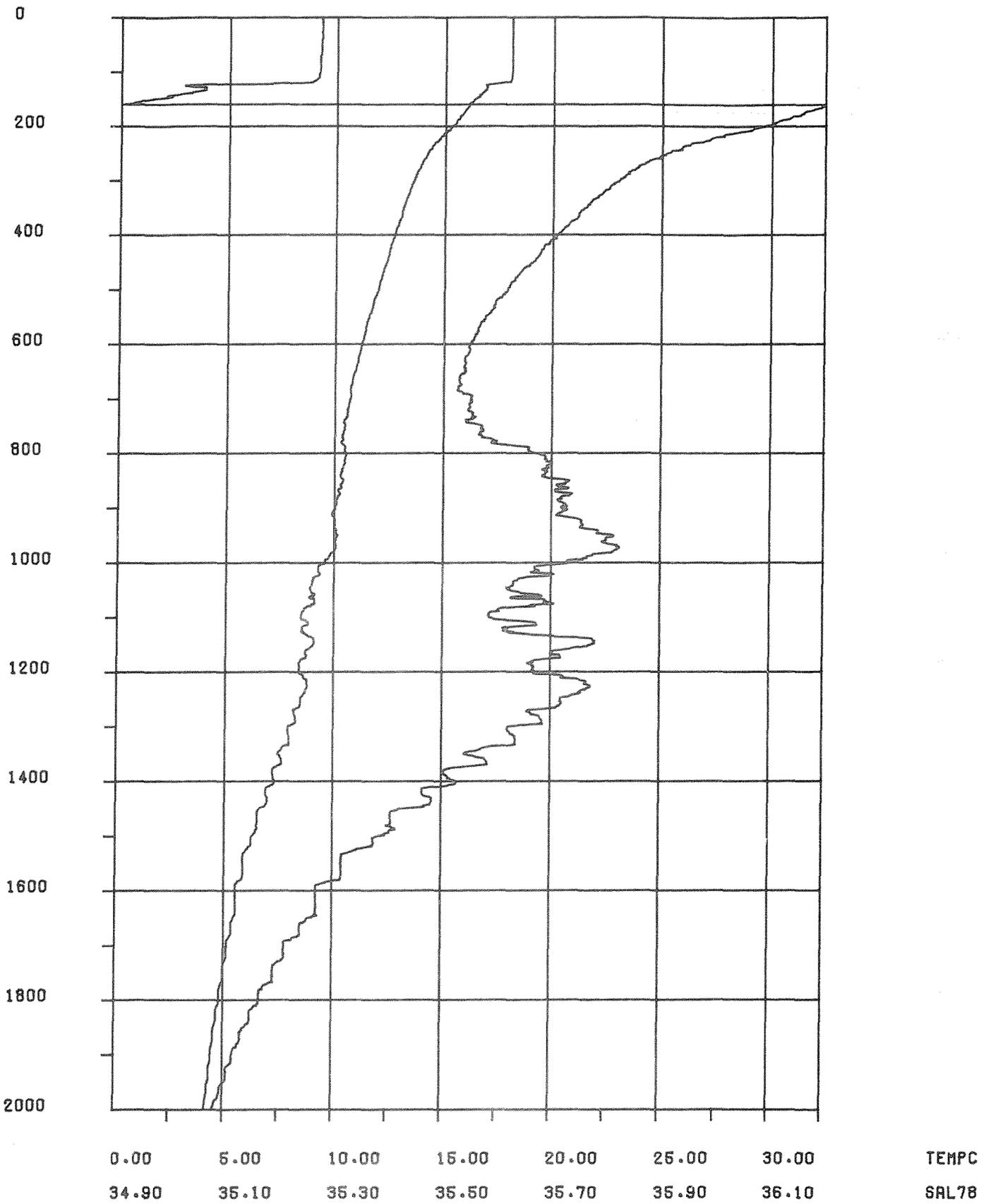
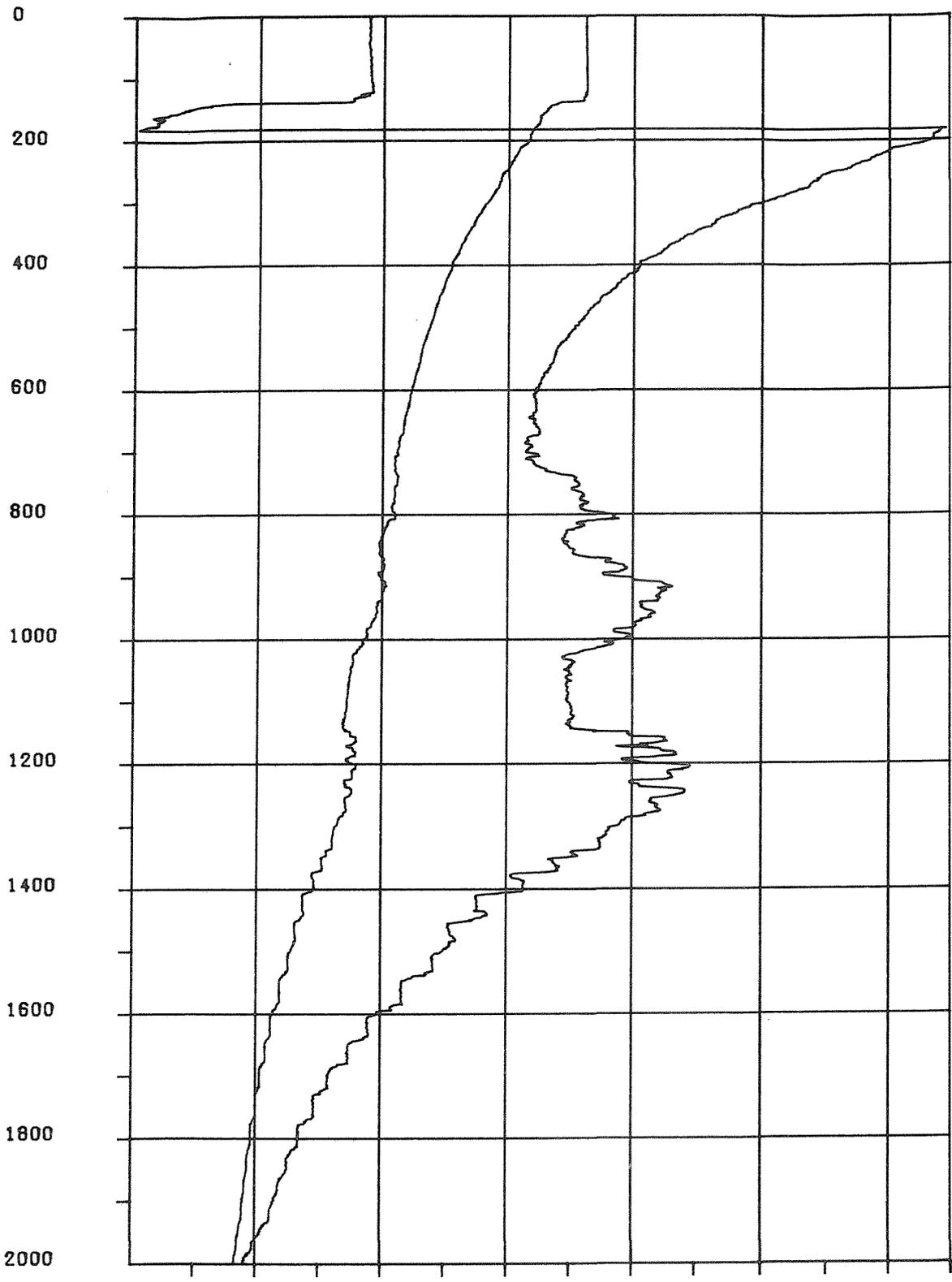


Figure 23

PRES



0.00	5.00	10.00	15.00	20.00	25.00	30.00	TEMPC
34.90	35.10	35.30	35.50	35.70	35.90	36.10	SAL78

Figure 24

PRES

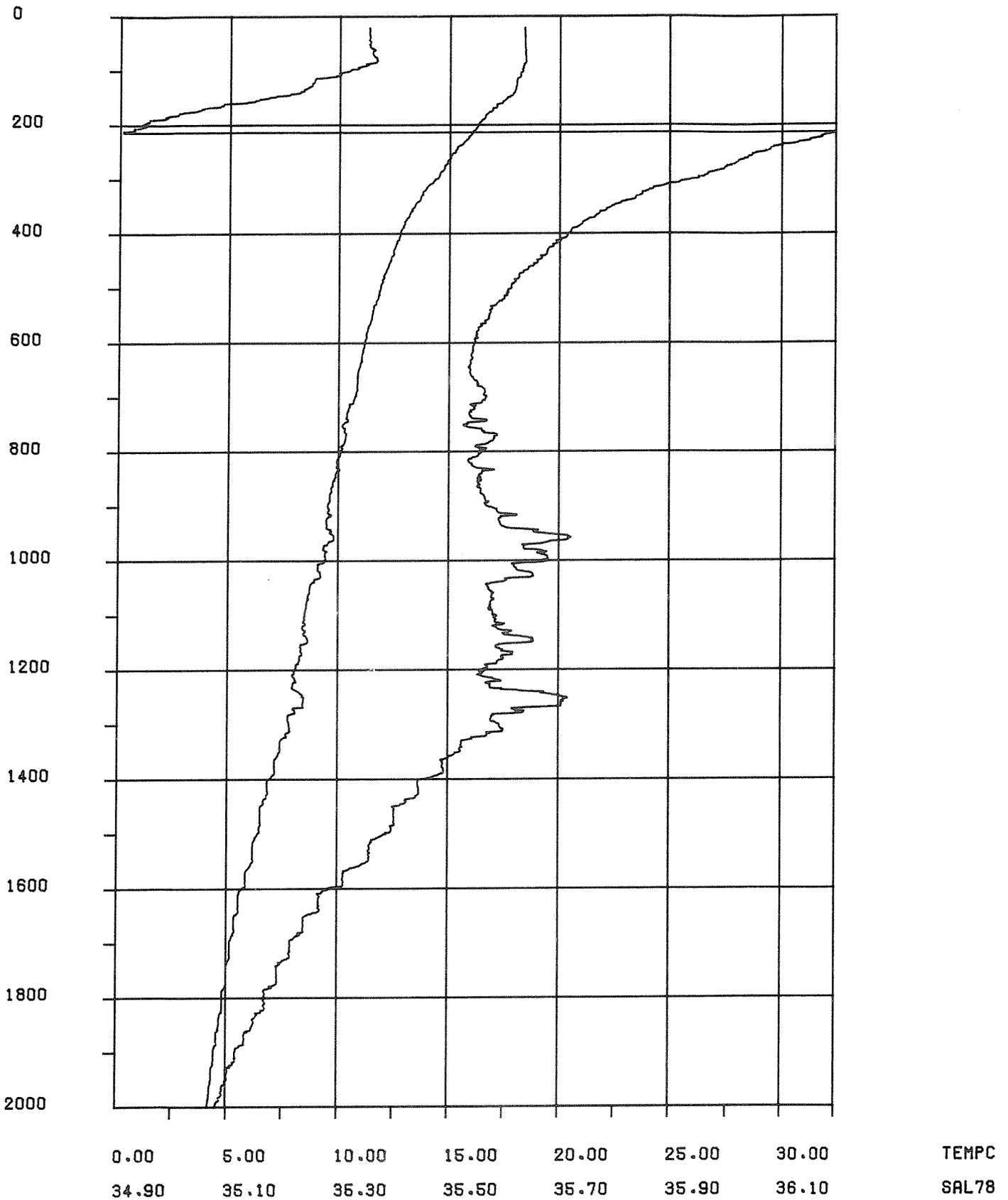


Figure 25

PRES

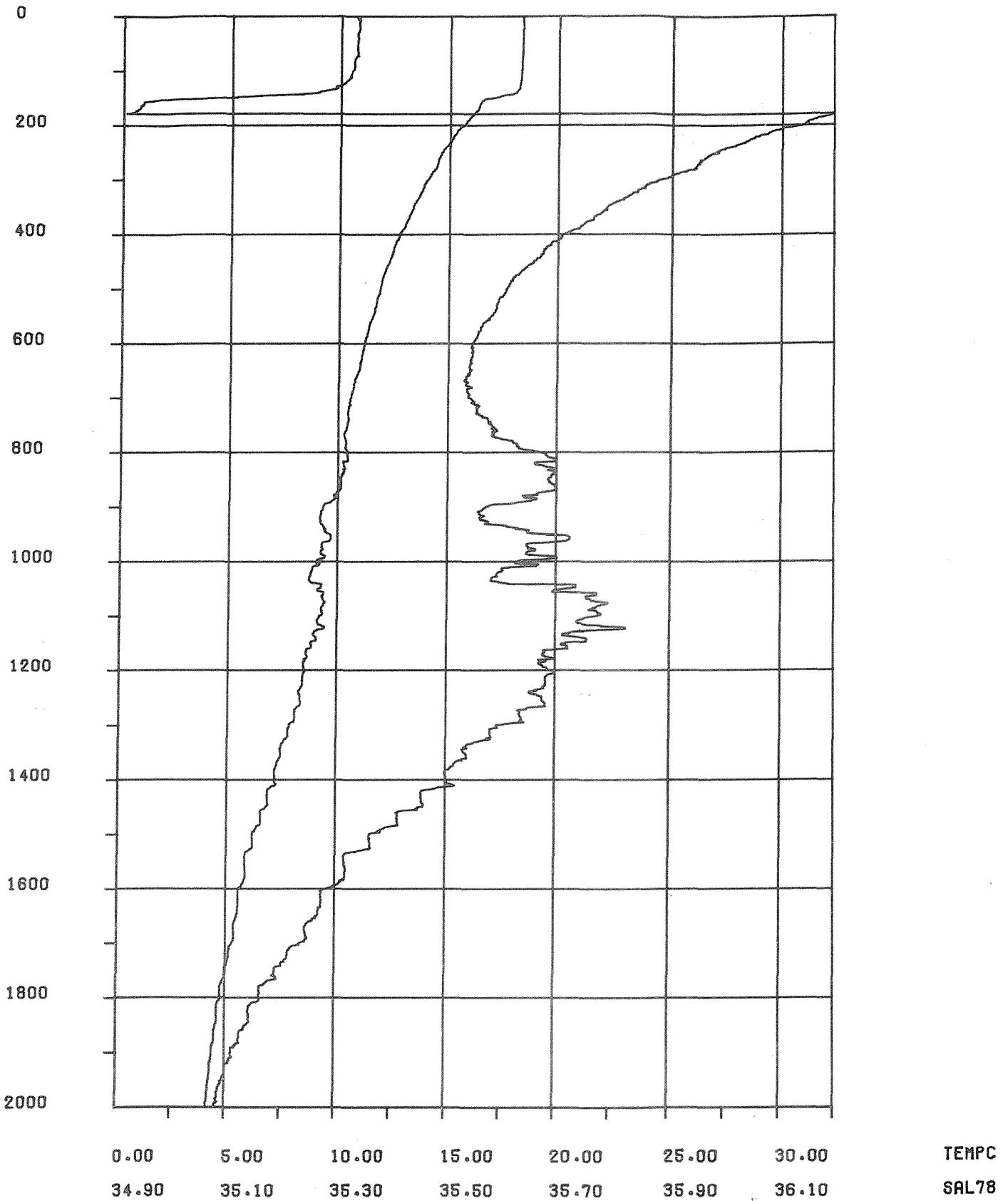


Figure 26

PRES

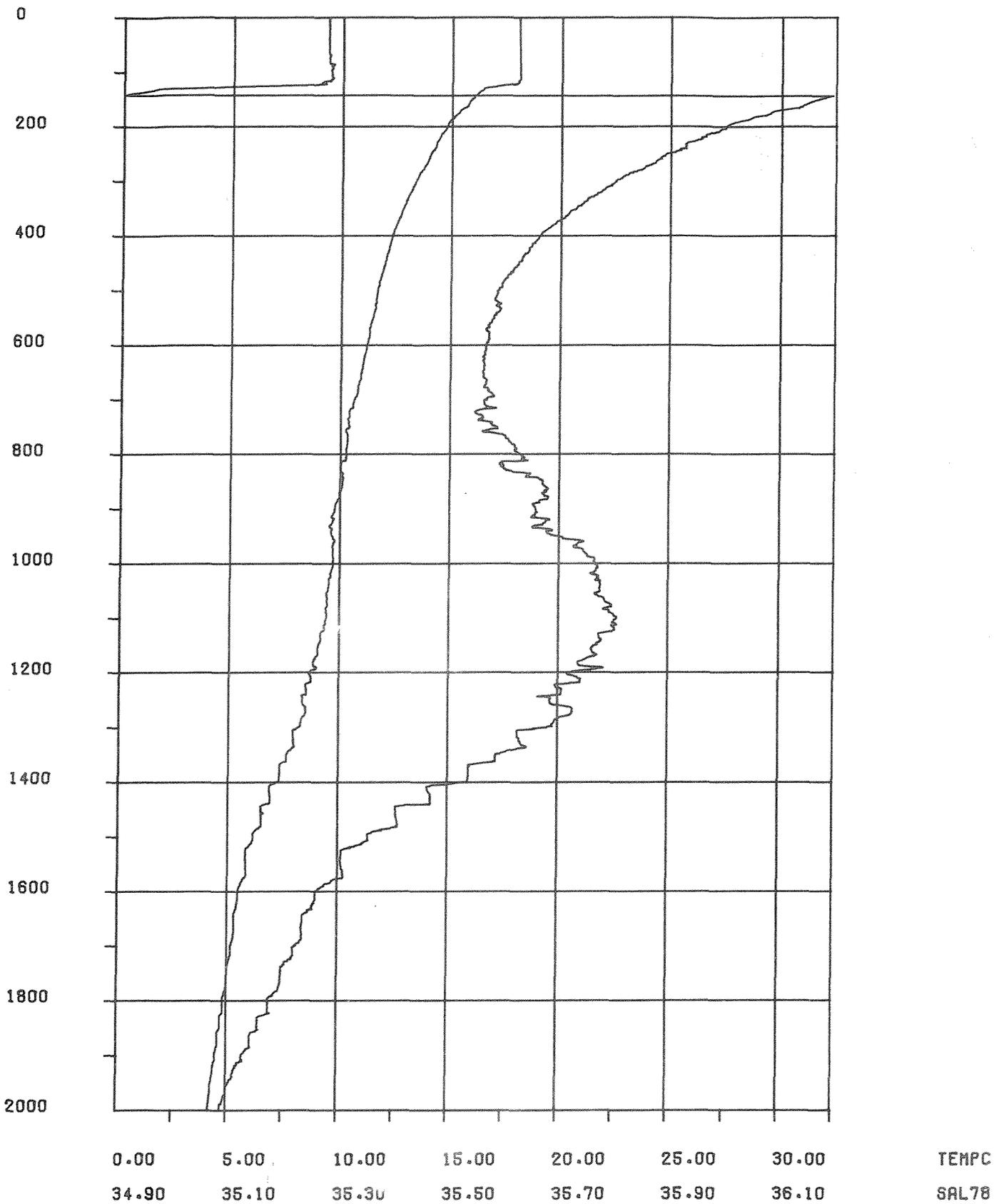


Figure 27

PLOTXY

DISCOVERY 117 STATION 10283 33 13N 22 10W

02SEP81

PRES

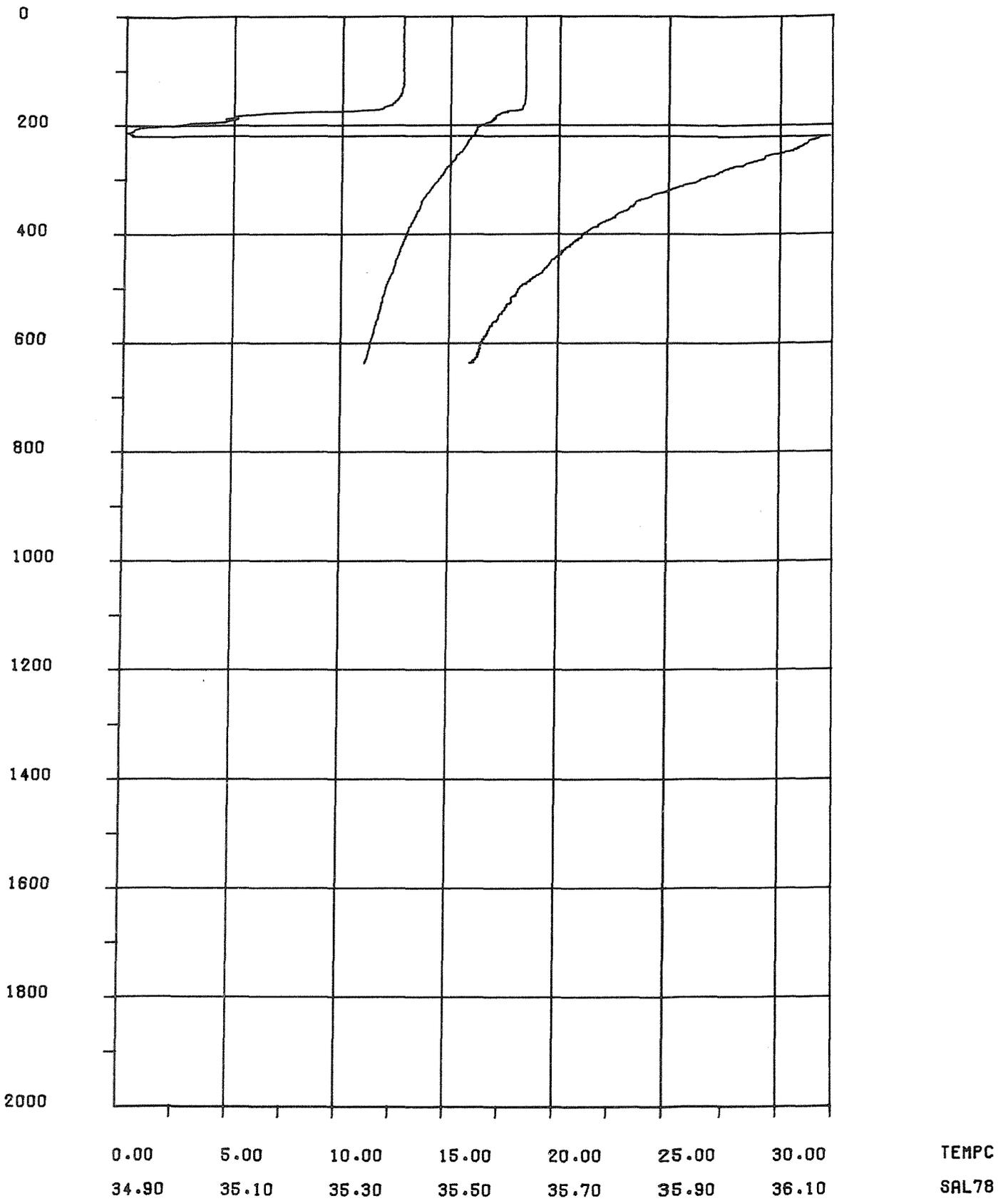


Figure 28

PRES

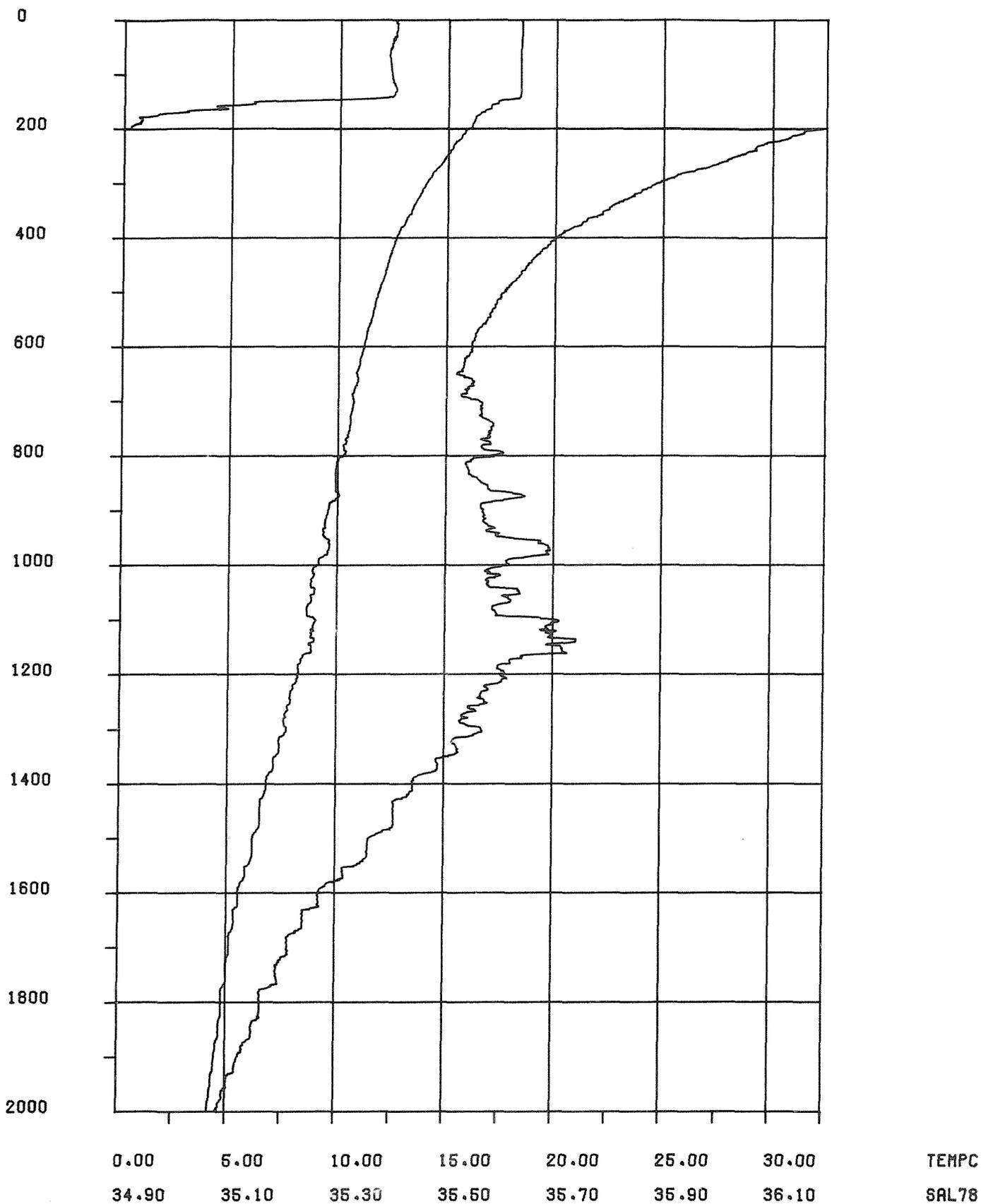


Figure 29

PRES

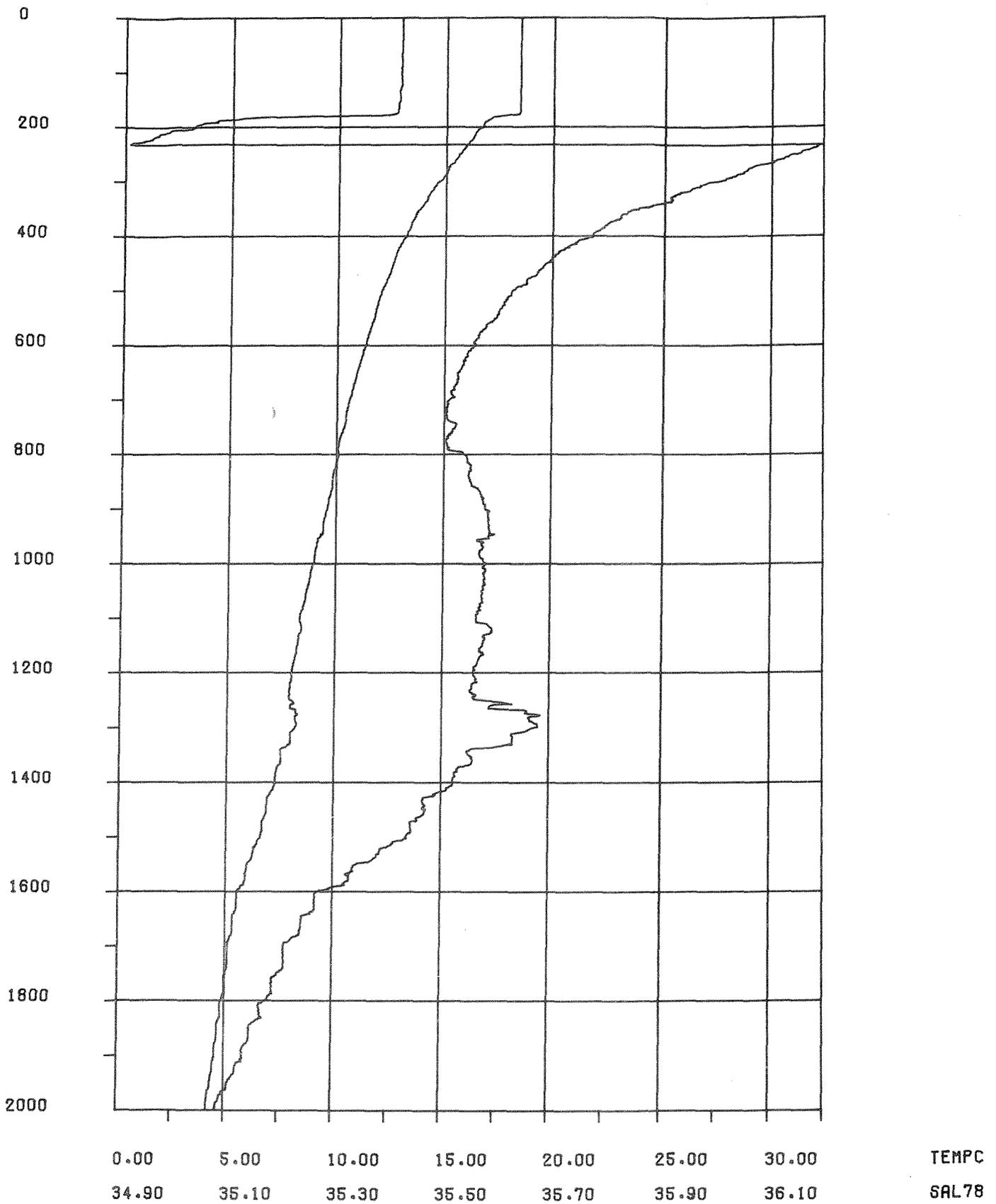


Figure 30

PRES

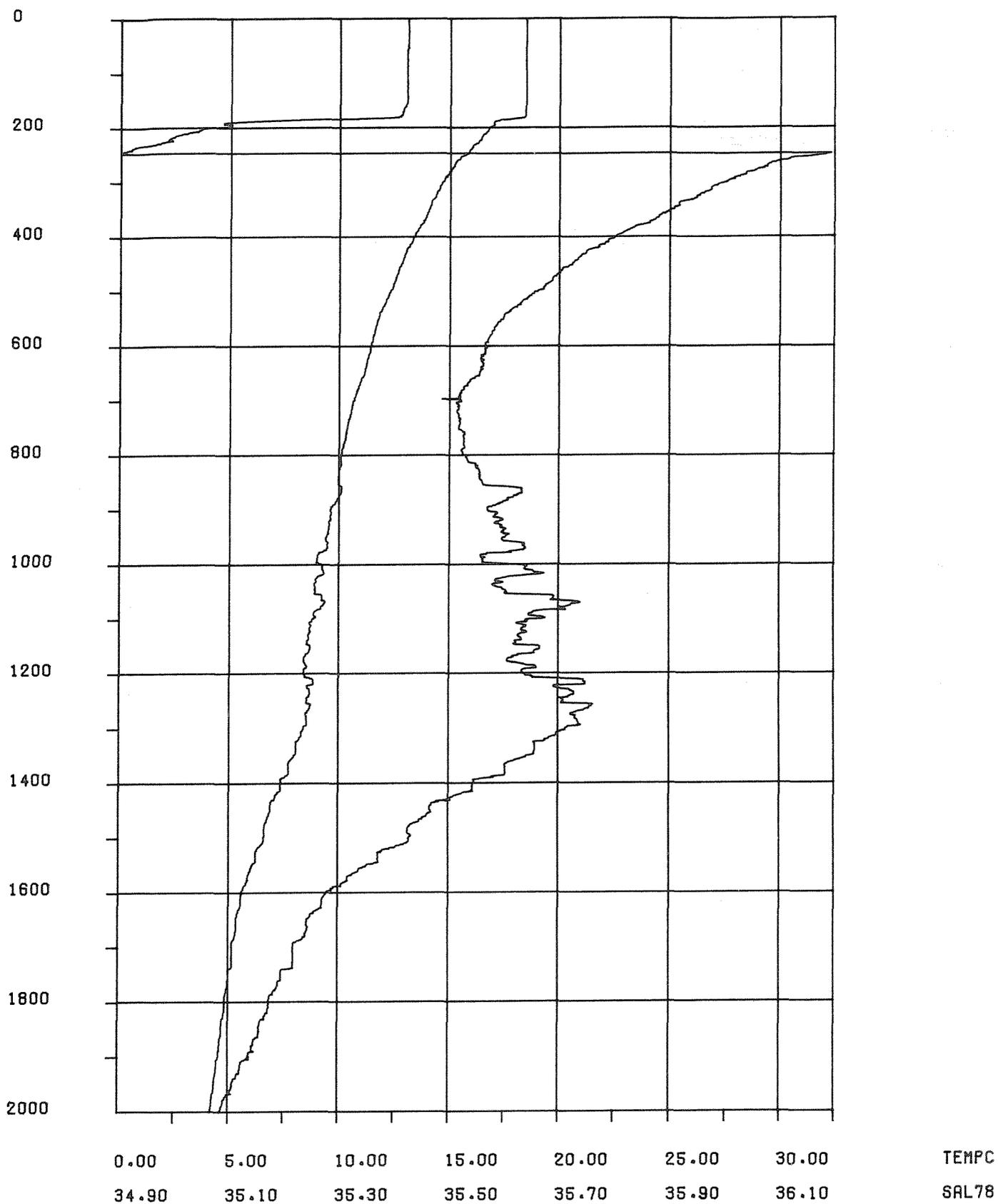
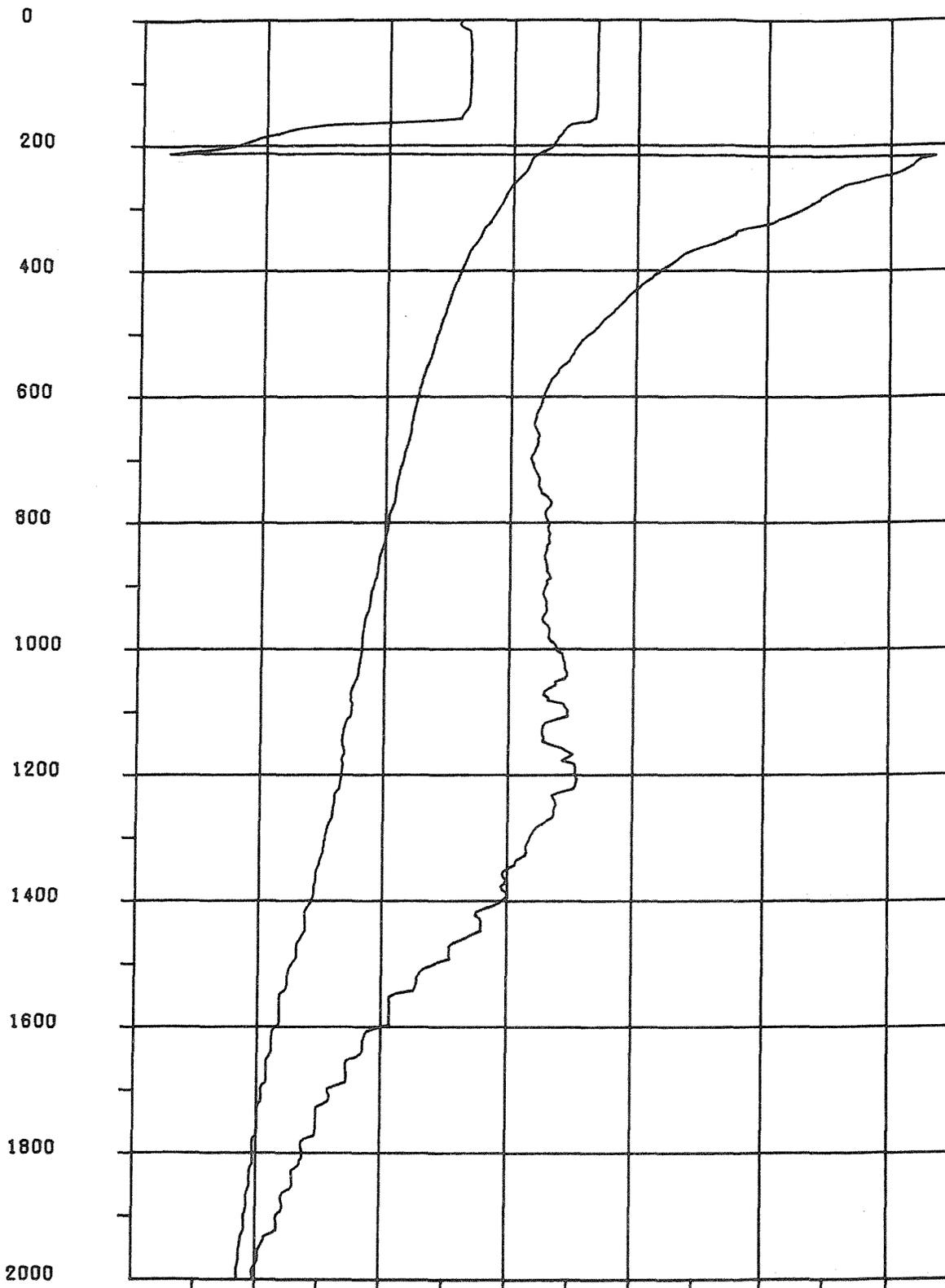


Figure 31

PRES



0.00	5.00	10.00	15.00	20.00	25.00	30.00	TEMPC
34.90	35.10	35.30	35.50	35.70	35.90	36.10	6AL78

TEMPC
6AL78

Figure 32

PRES

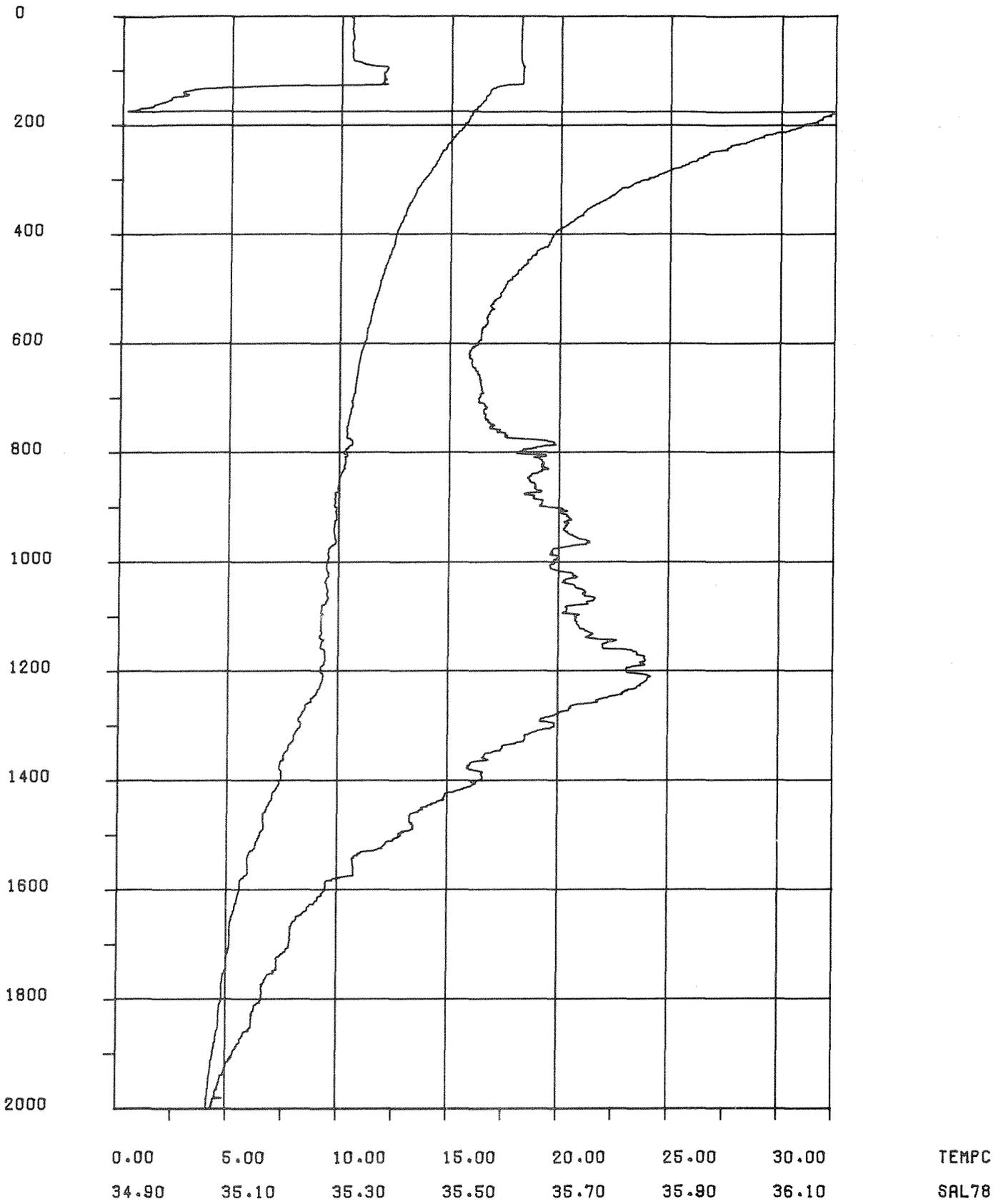


Figure 33

PRES

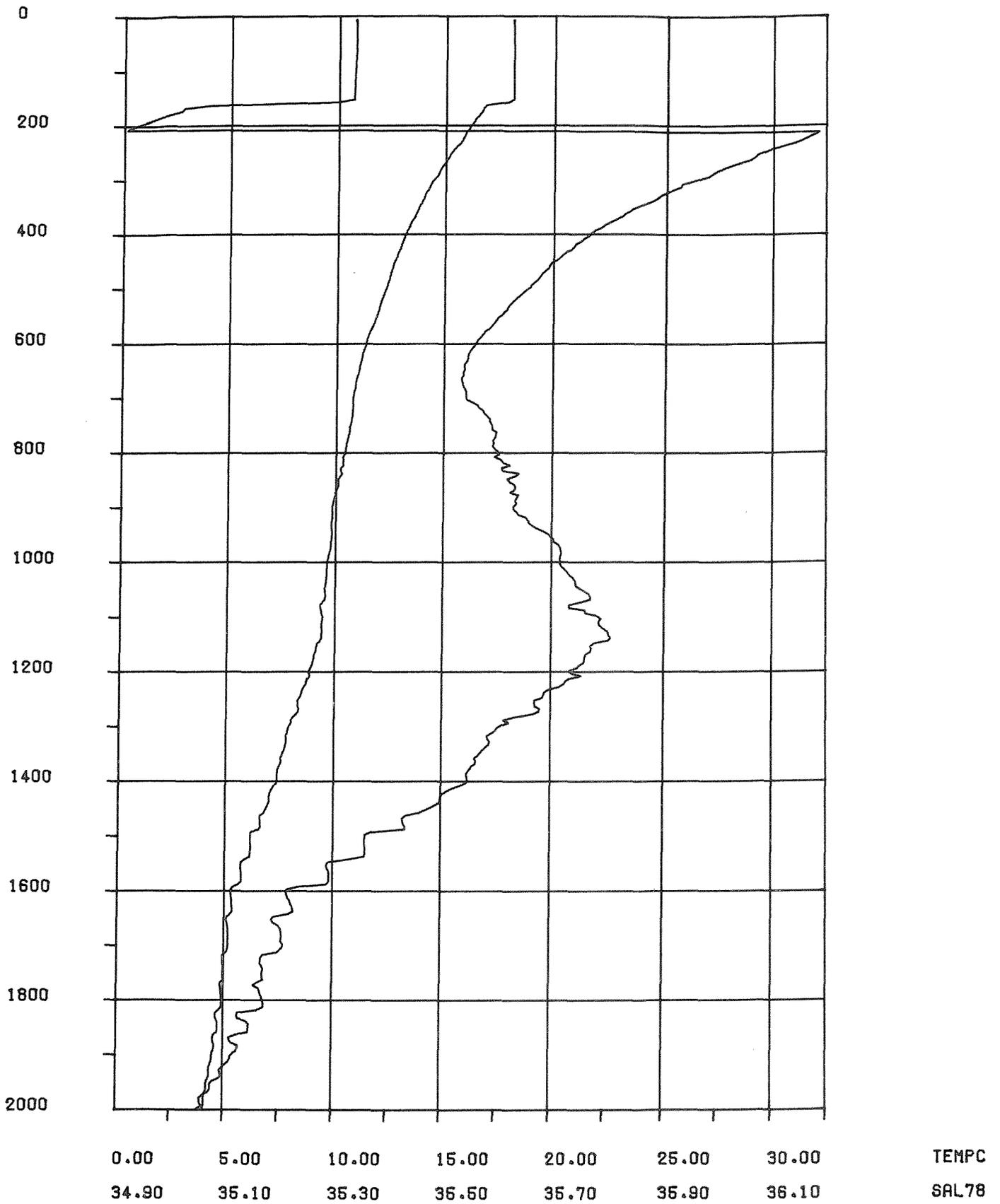


Figure 34

PRES

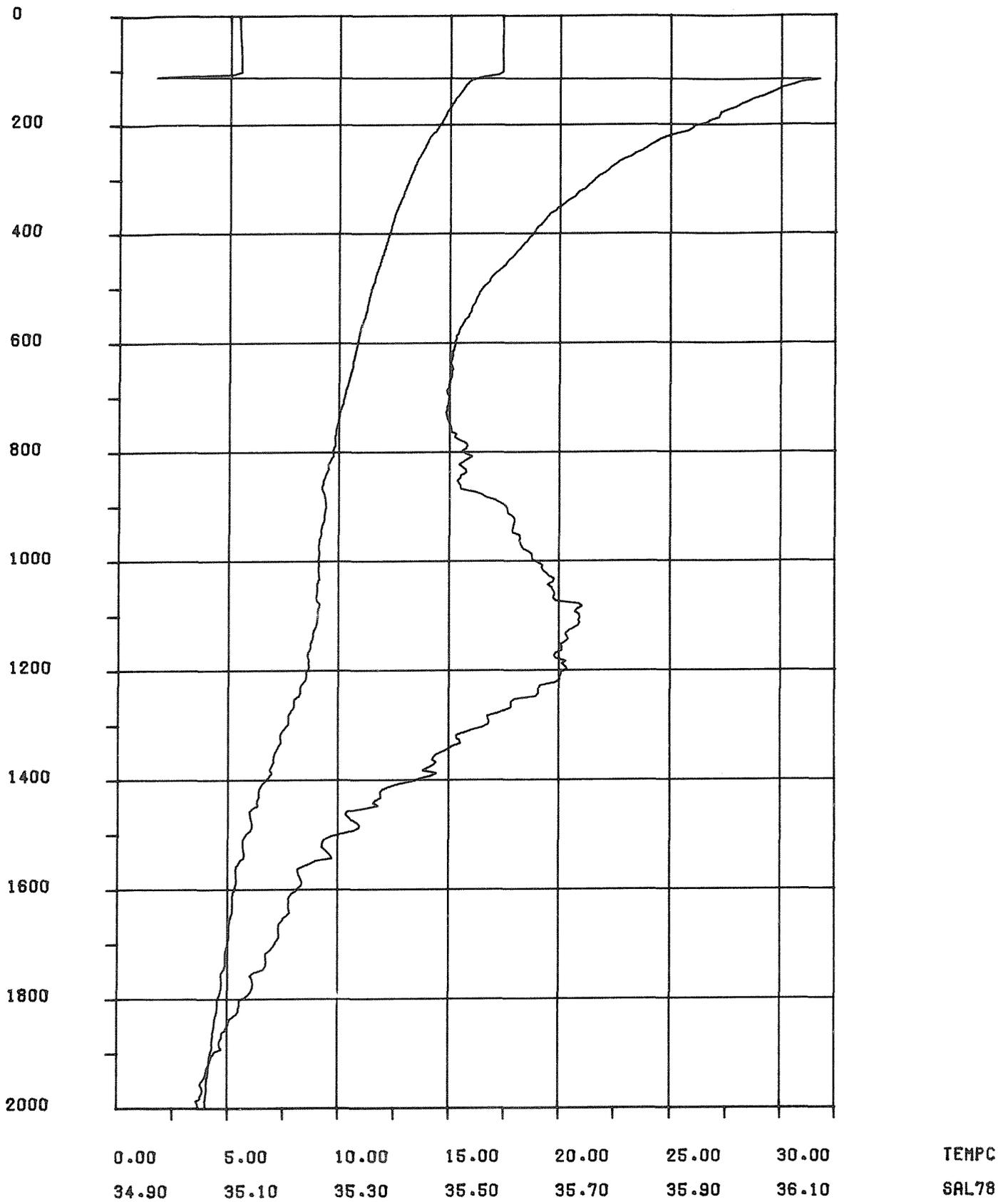


Figure 35

PRES

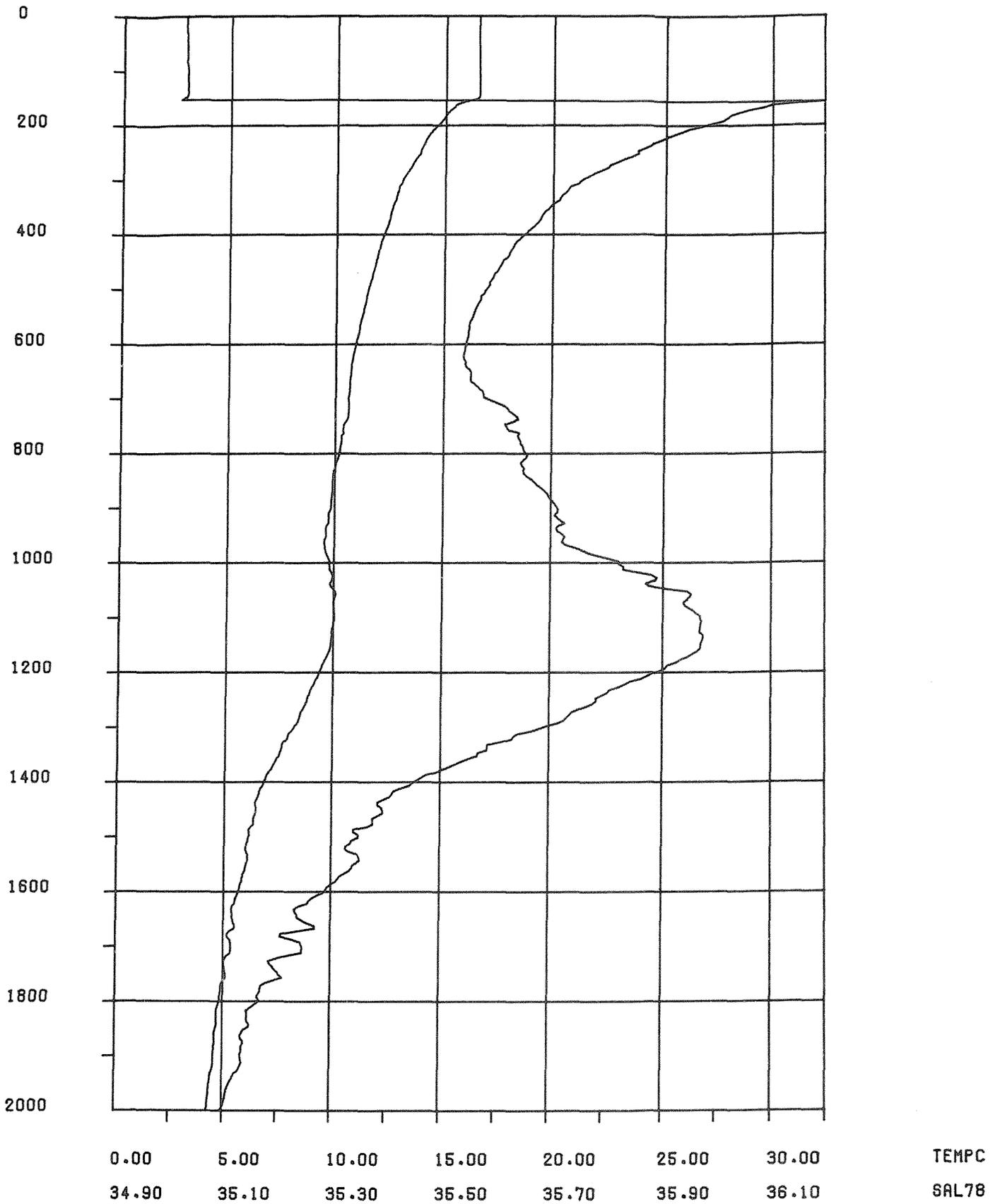
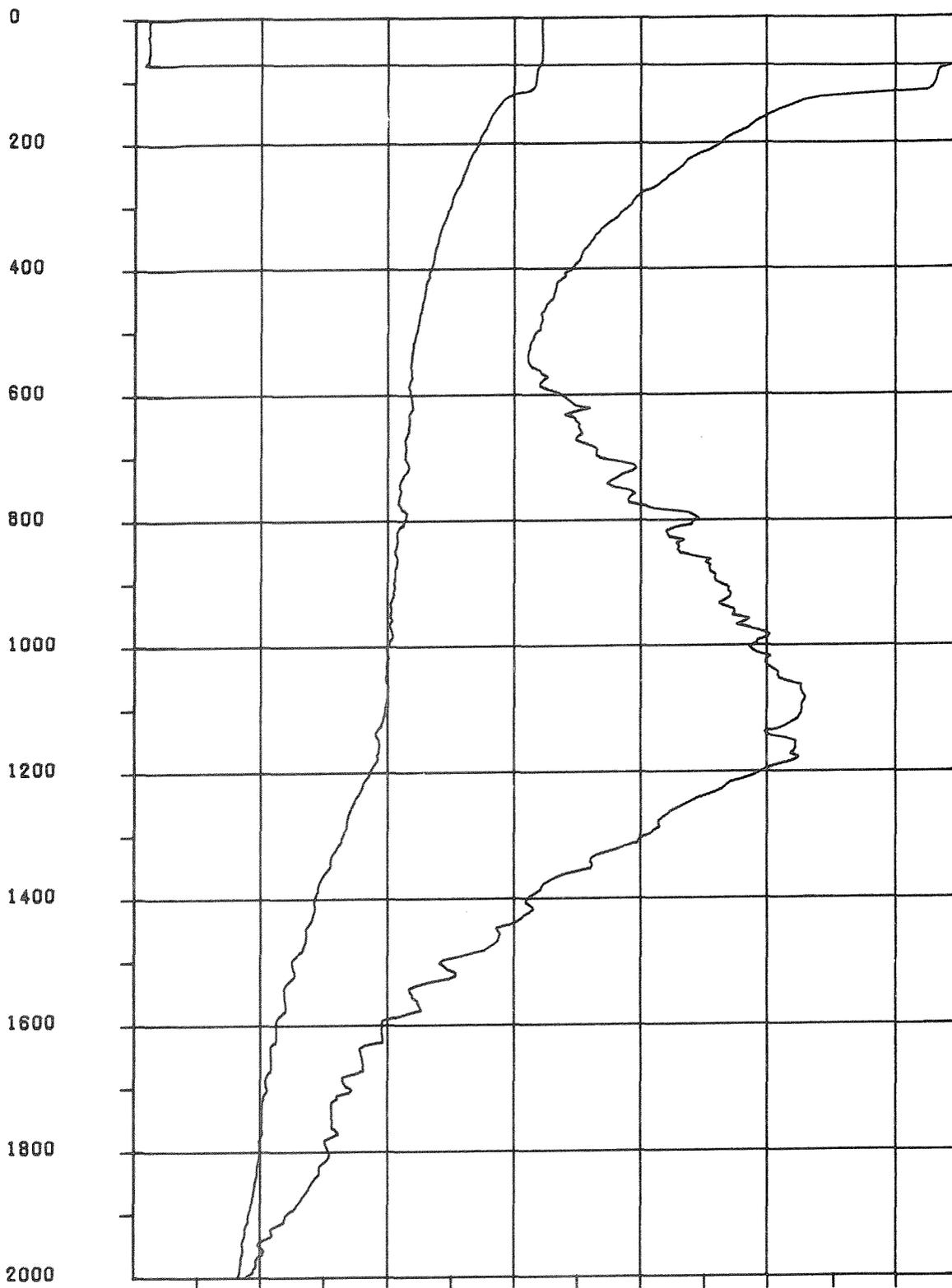


Figure 36

PRES



0.00	5.00	10.00	15.00	20.00	25.00	30.00	TEMPC
34.90	35.10	35.30	35.50	35.70	35.90	36.10	SAL78

Figure 37

PRES

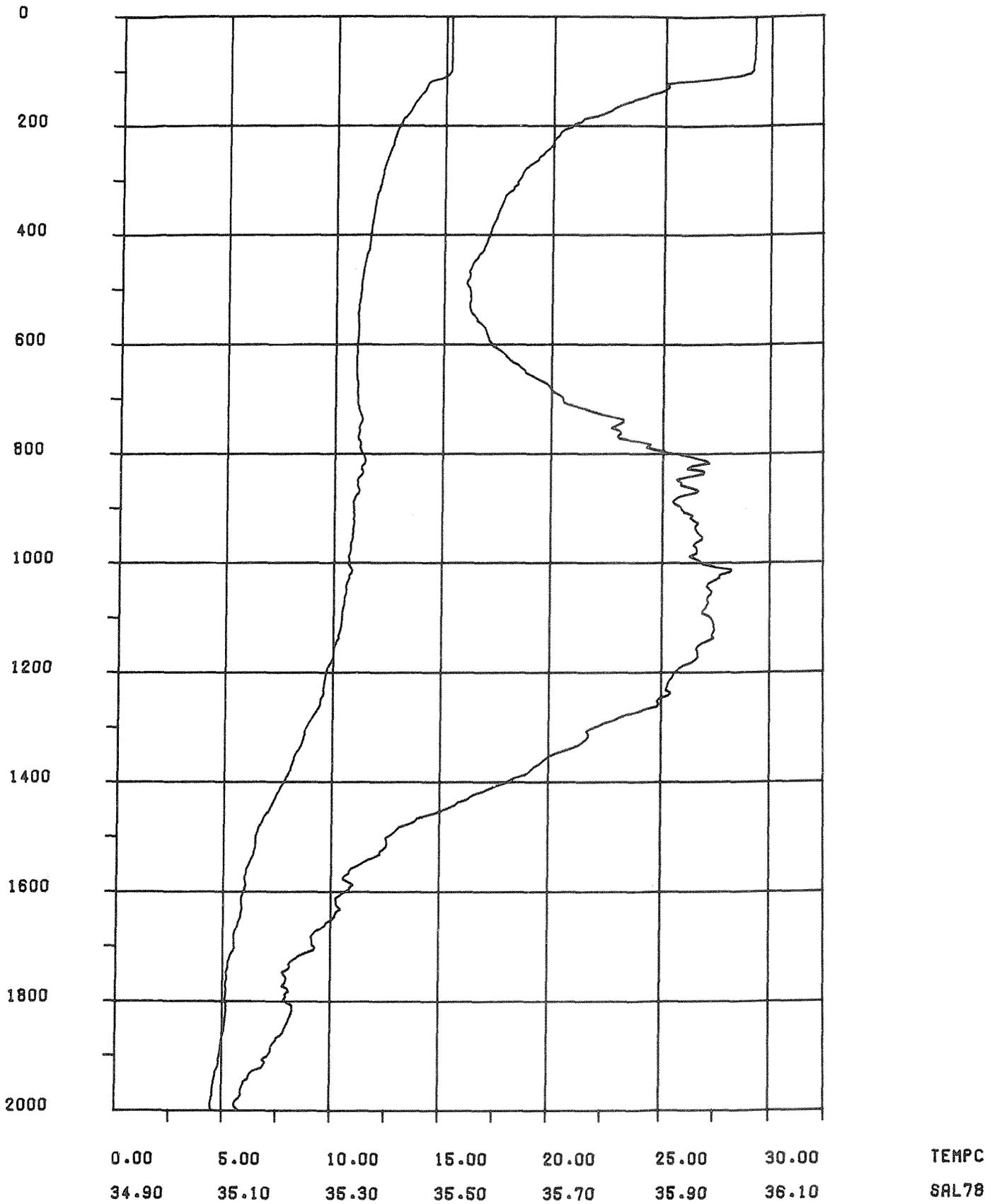


Figure 38

DISCOVERY 117 STATION 10261

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.283	36.581	18.2812	26.414	43.0166	0.016	1518.6	10.	0.1608E-05	-9.990
20.	18.284	36.582	18.2805	26.414	43.0177	0.032	1518.7	20.	0.1611E-05	0.623
30.	18.286	36.581	18.2805	26.413	43.0172	0.048	1518.9	30.	0.1615E-05	-0.278
50.	18.289	36.581	18.2803	26.412	43.0171	0.081	1519.2	50.	0.1623E-05	-0.197
75.	18.278	36.582	18.2644	26.416	43.0224	0.121	1519.6	74.	0.1628E-05	0.747
100.	18.268	36.577	18.2509	26.415	43.0233	0.162	1520.0	99.	0.1638E-05	0.0
125.	16.269	36.231	16.2487	26.633	43.3793	0.201	1514.1	124.	0.1436E-05	5.311
150.	15.808	36.173	15.7840	26.695	43.4745	0.237	1513.0	149.	0.1384E-05	2.847
200.	14.547	35.970	14.5176	26.820	43.6927	0.303	1509.7	198.	0.1278E-05	2.869
250.	13.716	35.850	13.6800	26.905	43.8415	0.365	1507.7	248.	0.1209E-05	2.379
300.	13.143	35.772	13.1010	26.963	43.9445	0.424	1506.5	298.	0.1165E-05	1.980
400.	12.270	35.662	12.2167	27.051	44.1039	0.538	1505.1	397.	0.1103E-05	1.749
500.	11.615	35.597	11.5498	27.127	44.2343	0.645	1504.5	496.	0.1051E-05	1.627
600.	10.973	35.555	10.8972	27.214	44.3744	0.747	1503.8	595.	0.9870E-06	1.733
700.	10.561	35.607	10.4742	27.328	44.5227	0.841	1504.1	694.	0.8976E-06	1.960
800.	10.250	35.686	10.1518	27.445	44.6653	0.926	1504.8	793.	0.8058E-06	1.975
900.	9.937	35.745	9.8285	27.545	44.7920	1.003	1505.4	892.	0.7283E-06	1.845
1000.	9.653	35.808	9.5334	27.643	44.9138	1.072	1506.1	991.	0.6531E-06	1.824
1200.	8.918	35.803	8.7796	27.761	45.0973	1.194	1506.7	1188.	0.5679E-06	1.479
1400.	6.864	35.462	6.7224	27.802	45.3259	1.300	1501.8	1385.	0.5099E-06	1.274
1600.	5.574	35.281	5.4256	27.829	45.4769	1.397	1499.9	1583.	0.4717E-06	1.085
1800.	4.820	35.173	4.6600	27.834	45.5587	1.490	1500.0	1780.	0.4617E-06	0.782
2000.	4.161	35.083	3.9908	27.835	45.6288	1.581	1500.5	1976.	0.4517E-06	0.746
2200.	3.695	35.025	3.5121	27.838	45.6811	1.671	1501.9	2173.	0.4445E-06	0.683
2400.	3.361	34.993	3.1643	27.846	45.7261	1.759	1503.8	2369.	0.4347E-06	0.693
2600.	3.139	34.975	2.9263	27.853	45.7590	1.845	1506.2	2566.	0.4293E-06	0.614
2800.	2.974	34.961	2.7445	27.857	45.7836	1.931	1508.9	2762.	0.4284E-06	0.539
3000.	2.841	34.949	2.5936	27.859	45.8030	2.017	1511.7	2958.	0.4296E-06	0.493
3200.	2.742	34.939	2.4757	27.860	45.8178	2.103	1514.7	3153.	0.4333E-06	0.442
3400.	2.649	34.928	2.3638	27.859	45.8310	2.190	1517.7	3349.	0.4370E-06	0.419
3600.	2.591	34.921	2.2856	27.859	45.8400	2.278	1520.9	3544.	0.4440E-06	0.352
3800.	2.542	34.914	2.2148	27.857	45.8483	2.367	1524.1	3740.	0.4508E-06	0.353
4000.	2.506	34.909	2.1578	27.856	45.8551	2.458	1527.4	3935.	0.4582E-06	0.323
4200.	2.480	34.904	2.1087	27.855	45.8607	2.551	1530.7	4130.	0.4664E-06	0.304
4400.	2.464	34.901	2.0696	27.854	45.8655	2.645	1534.1	4324.	0.4754E-06	0.284
4600.	2.452	34.898	2.0339	27.853	45.8701	2.741	1537.5	4519.	0.4841E-06	0.284
4800.	2.452	34.896	2.0093	27.851	45.8728	2.839	1541.0	4713.	0.4950E-06	0.220
5000.	2.464	34.894	1.9959	27.849	45.8744	2.939	1544.5	4907.	0.5069E-06	0.180
5100.	2.471	34.894	1.9896	27.848	45.8756	2.990	1546.2	5004.	0.5122E-06	0.201
5200.	2.481	34.894	1.9866	27.847	45.8757	3.041	1548.0	5101.	0.5192E-06	0.0
5300.	2.492	34.894	1.9837	27.846	45.8765	3.094	1549.8	5198.	0.5250E-06	0.202

DISCOVERY 117 STATION 10263

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.243	36.571	18.2414	26.416	43.0216	0.016	1518.4	10.	0.1606E-05	-9.990
20.	18.248	36.571	18.2449	26.415	43.0208	0.032	1518.6	20.	0.1610E-05	-0.482
30.	18.243	36.571	18.2375	26.416	43.0227	0.048	1518.8	30.	0.1613E-05	0.682
50.	18.220	36.569	18.2108	26.420	43.0297	0.081	1519.0	50.	0.1615E-05	0.902
75.	18.220	36.568	18.2072	26.420	43.0304	0.121	1519.4	74.	0.1624E-05	0.305
100.	18.222	36.568	18.2041	26.419	43.0312	0.162	1519.9	99.	0.1634E-05	0.352
125.	18.220	36.567	18.1986	26.419	43.0325	0.203	1520.3	124.	0.1642E-05	0.305
150.	16.359	36.262	16.3342	26.637	43.3771	0.242	1514.8	149.	0.1441E-05	5.303
200.	14.958	36.028	14.9274	26.775	43.6180	0.312	1511.0	198.	0.1321E-05	3.022
250.	13.938	35.885	13.9016	26.885	43.8048	0.375	1508.4	248.	0.1228E-05	2.700
300.	13.241	35.789	13.1991	26.956	43.9297	0.435	1506.9	298.	0.1172E-05	2.185
400.	12.269	35.673	12.2154	27.061	44.1129	0.549	1505.1	397.	0.1094E-05	1.894
500.	11.525	35.578	11.4598	27.129	44.2438	0.656	1504.1	496.	0.1048E-05	1.566
600.	10.995	35.551	10.9194	27.206	44.3655	0.758	1503.9	595.	0.9940E-06	1.638
700.	10.422	35.552	10.3363	27.310	44.5171	0.854	1503.6	694.	0.9122E-06	1.891
800.	10.146	35.651	10.0488	27.436	44.6653	0.940	1504.3	793.	0.8123E-06	2.041
900.	9.734	35.705	9.6265	27.548	44.8123	1.016	1504.6	892.	0.7220E-06	1.958
1000.	9.016	35.655	8.9010	27.629	44.9555	1.085	1503.6	991.	0.6538E-06	1.748
1200.	8.067	35.610	7.9360	27.743	45.1550	1.206	1503.3	1188.	0.5637E-06	1.486
1400.	6.994	35.489	6.8504	27.805	45.3167	1.313	1502.4	1385.	0.5113E-06	1.228
1600.	5.579	35.280	5.4305	27.828	45.4755	1.410	1499.9	1583.	0.4729E-06	1.087
1800.	4.688	35.151	4.5296	27.831	45.5689	1.503	1499.4	1780.	0.4591E-06	0.824
2000.	4.181	35.085	4.0100	27.834	45.6260	1.595	1500.6	1976.	0.4536E-06	0.689
2200.	3.638	35.015	3.4564	27.836	45.6849	1.684	1501.6	2173.	0.4433E-06	0.717
2400.	3.365	34.992	3.1683	27.844	45.7240	1.772	1503.8	2369.	0.4366E-06	0.654
2600.	3.154	34.974	2.9410	27.850	45.7551	1.859	1506.3	2566.	0.4328E-06	0.595
2800.	2.994	34.961	2.7644	27.855	45.7795	1.946	1509.0	2762.	0.4317E-06	0.539
3000.	2.849	34.948	2.6017	27.857	45.8008	2.032	1511.7	2958.	0.4317E-06	0.513
3200.	2.746	34.938	2.4793	27.859	45.8165	2.119	1514.7	3153.	0.4345E-06	0.451
3400.	2.658	34.928	2.3728	27.859	45.8296	2.206	1517.7	3349.	0.4384E-06	0.424
3600.	2.596	34.920	2.2901	27.858	45.8389	2.294	1520.9	3544.	0.4447E-06	0.364
3800.	2.547	34.914	2.2199	27.857	45.8475	2.384	1524.1	3740.	0.4515E-06	0.347
4000.	2.508	34.908	2.1595	27.856	45.8546	2.475	1527.4	3935.	0.4587E-06	0.329
4200.	2.485	34.904	2.1137	27.855	45.8597	2.567	1530.7	4130.	0.4675E-06	0.284
4400.	2.463	34.900	2.0686	27.853	45.8653	2.662	1534.1	4324.	0.4757E-06	0.305
4600.	2.449	34.897	2.0307	27.852	45.8699	2.758	1537.5	4519.	0.4843E-06	0.277
4800.	2.450	34.895	2.0073	27.850	45.8727	2.855	1540.9	4713.	0.4950E-06	0.211
5000.	2.464	34.894	1.9958	27.848	45.8741	2.956	1544.5	4907.	0.5069E-06	0.142
5100.	2.474	34.895	1.9922	27.848	45.8753	3.007	1546.3	5004.	0.5127E-06	0.180
5200.	2.484	34.894	1.9891	27.847	45.8756	3.058	1548.0	5101.	0.5192E-06	0.0
5300.	2.494	34.895	1.9860	27.846	45.8763	3.110	1549.8	5198.	0.5253E-06	0.127
5400.	2.504	34.894	1.9825	27.845	45.8768	3.163	1551.6	5295.	0.5316E-06	0.128

DISCOVERY 117 STATION 10264

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.269	36.572	18.2676	26.410	43.0141	0.016	1518.5	10.	0.1611E-05	-9.990
20.	18.248	36.572	18.2444	26.416	43.0216	0.032	1518.6	20.	0.1609E-05	1.392
30.	18.240	36.571	18.2348	26.417	43.0239	0.048	1518.8	30.	0.1612E-05	0.737
50.	18.241	36.572	18.2326	26.417	43.0251	0.081	1519.1	50.	0.1618E-05	0.341
75.	18.236	36.571	18.2225	26.418	43.0277	0.121	1519.5	74.	0.1626E-05	0.498
100.	18.223	36.569	18.2052	26.420	43.0319	0.162	1519.9	99.	0.1633E-05	0.635
125.	18.011	36.542	17.9896	26.452	43.0787	0.203	1519.6	124.	0.1611E-05	2.047
150.	16.125	36.199	16.1007	26.642	43.3996	0.240	1514.0	149.	0.1435E-05	4.965
200.	14.971	36.027	14.9406	26.772	43.6134	0.309	1511.1	198.	0.1325E-05	2.915
250.	14.027	35.887	13.9903	26.868	43.7813	0.373	1508.7	248.	0.1245E-05	2.533
300.	13.325	35.790	13.2821	26.940	43.9077	0.433	1507.2	298.	0.1187E-05	2.196
400.	12.282	35.660	12.2286	27.047	44.0990	0.548	1505.2	397.	0.1106E-05	1.923
500.	11.612	35.584	11.5465	27.117	44.2250	0.656	1504.4	496.	0.1060E-05	1.571
600.	10.984	35.550	10.9079	27.208	44.3680	0.759	1503.9	595.	0.9926E-06	1.771
700.	10.382	35.537	10.2961	27.305	44.5158	0.855	1503.4	694.	0.9164E-06	1.838
800.	10.086	35.619	9.9889	27.421	44.6558	0.941	1504.1	793.	0.8259E-06	1.961
900.	9.649	35.666	9.5420	27.533	44.8047	1.019	1504.2	892.	0.7348E-06	1.958
1000.	9.653	35.797	9.5331	27.635	44.9058	1.088	1506.1	991.	0.6610E-06	1.805
1200.	8.512	35.713	8.3774	27.755	45.1265	1.210	1505.1	1188.	0.5641E-06	1.537
1400.	6.892	35.467	6.7498	27.802	45.3230	1.318	1501.9	1385.	0.5113E-06	1.236
1600.	5.533	35.269	5.3844	27.824	45.4768	1.415	1499.7	1583.	0.4740E-06	1.072
1800.	4.794	35.167	4.6349	27.832	45.5595	1.509	1499.9	1780.	0.4622E-06	0.802
2000.	4.116	35.075	3.9464	27.834	45.6317	1.600	1500.3	1976.	0.4510E-06	0.754
2200.	3.631	35.018	3.4489	27.839	45.6887	1.689	1501.6	2173.	0.4400E-06	0.726
2400.	3.355	34.996	3.1588	27.848	45.7291	1.776	1503.8	2370.	0.4321E-06	0.657
2600.	3.150	34.978	2.9374	27.854	45.7590	1.862	1506.3	2566.	0.4291E-06	0.581
2800.	2.977	34.964	2.7477	27.858	45.7848	1.948	1508.9	2762.	0.4272E-06	0.561
3000.	2.812	34.949	2.5656	27.862	45.8087	2.033	1511.6	2958.	0.4251E-06	0.547
3200.	2.724	34.939	2.4587	27.862	45.8214	2.119	1514.6	3154.	0.4303E-06	0.405
3400.	2.638	34.929	2.3530	27.861	45.8337	2.205	1517.6	3349.	0.4347E-06	0.405
3600.	2.580	34.922	2.2745	27.861	45.8432	2.293	1520.8	3544.	0.4410E-06	0.369
3800.	2.533	34.915	2.2063	27.859	45.8507	2.382	1524.0	3740.	0.4484E-06	0.335
4000.	2.502	34.909	2.1532	27.857	45.8563	2.472	1527.3	3935.	0.4568E-06	0.297
4200.	2.475	34.905	2.1039	27.856	45.8623	2.564	1530.7	4130.	0.4650E-06	0.311
4400.	2.457	34.901	2.0626	27.854	45.8666	2.658	1534.0	4324.	0.4745E-06	0.277
4600.	2.448	34.897	2.0299	27.852	45.8702	2.754	1537.5	4519.	0.4843E-06	0.254
4800.	2.452	34.895	2.0090	27.850	45.8724	2.852	1541.0	4713.	0.4952E-06	0.191
5000.	2.465	34.894	1.9967	27.848	45.8737	2.952	1544.5	4907.	0.5073E-06	0.156
5100.	2.473	34.893	1.9914	27.847	45.8745	3.003	1546.3	5004.	0.5132E-06	0.156
5200.	2.482	34.893	1.9878	27.846	45.8746	3.055	1548.0	5101.	0.5201E-06	0.0
5300.	2.493	34.892	1.9849	27.844	45.8747	3.107	1549.8	5198.	0.5267E-06	0.0

(iii)

DISCOVERY 117 STATION 10265

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.210	36.558	18.2083	26.414	43.0224	0.016	1518.3	10.	0.1607E-05	-9.990
20.	18.205	36.558	18.2010	26.416	43.0247	0.032	1518.5	20.	0.1609E-05	0.787
30.	18.203	36.558	18.1974	26.416	43.0258	0.048	1518.6	30.	0.1612E-05	0.394
50.	18.201	36.558	18.1925	26.417	43.0273	0.081	1519.0	50.	0.1619E-05	0.440
75.	18.205	36.558	18.1917	26.416	43.0277	0.121	1519.4	74.	0.1628E-05	0.249
100.	18.208	36.558	18.1901	26.415	43.0283	0.162	1519.8	99.	0.1637E-05	0.305
125.	18.201	36.557	18.1787	26.416	43.0310	0.203	1520.2	124.	0.1645E-05	0.498
150.	16.185	36.205	16.1606	26.633	43.3863	0.241	1514.2	149.	0.1444E-05	5.297
200.	15.228	36.075	15.1973	26.751	43.5744	0.311	1511.9	198.	0.1345E-05	2.784
250.	14.341	35.940	14.3039	26.842	43.7317	0.377	1509.8	248.	0.1271E-05	2.459
300.	13.493	35.813	13.4502	26.923	43.8781	0.439	1507.7	298.	0.1205E-05	2.340
400.	12.381	35.672	12.3271	27.038	44.0818	0.554	1505.5	397.	0.1116E-05	1.986
500.	11.661	35.602	11.5962	27.122	44.2255	0.663	1504.6	496.	0.1056E-05	1.711
600.	10.943	35.548	10.8671	27.214	44.3769	0.765	1503.7	595.	0.9865E-06	1.788
700.	10.600	35.600	10.5127	27.316	44.5079	0.860	1504.2	694.	0.9090E-06	1.851
800.	10.276	35.678	10.1783	27.434	44.6524	0.946	1504.8	793.	0.8165E-06	1.983
900.	10.002	35.758	9.8930	27.544	44.7854	1.024	1505.6	892.	0.7306E-06	1.920
1000.	9.696	35.798	9.5758	27.628	44.8953	1.094	1506.2	991.	0.6685E-06	1.695
1200.	8.826	35.778	8.6881	27.756	45.1003	1.217	1506.3	1188.	0.5707E-06	1.548
1400.	7.097	35.509	6.9524	27.806	45.3087	1.325	1502.8	1385.	0.5127E-06	1.275
1600.	5.583	35.281	5.4338	27.828	45.4756	1.424	1499.9	1583.	0.4724E-06	1.105
1800.	4.828	35.174	4.6678	27.834	45.5579	1.517	1500.0	1780.	0.4619E-06	0.787
2000.	4.078	35.072	3.9085	27.836	45.6375	1.608	1500.2	1976.	0.4475E-06	0.790
2200.	3.645	35.022	3.4635	27.840	45.6886	1.697	1501.7	2173.	0.4396E-06	0.686
2400.	3.345	34.994	3.1483	27.848	45.7297	1.784	1503.7	2369.	0.4319E-06	0.660
2600.	3.149	34.979	2.9364	27.854	45.7595	1.870	1506.3	2566.	0.4286E-06	0.581
2800.	2.957	34.963	2.7276	27.859	45.7879	1.955	1508.8	2762.	0.4249E-06	0.585
3000.	2.828	34.951	2.5806	27.862	45.8073	2.040	1511.7	2958.	0.4258E-06	0.489
3200.	2.736	34.941	2.4697	27.862	45.8206	2.126	1514.7	3153.	0.4307E-06	0.414
3400.	2.655	34.932	2.3696	27.862	45.8327	2.213	1517.7	3349.	0.4354E-06	0.400
3600.	2.587	34.923	2.2813	27.861	45.8428	2.300	1520.8	3544.	0.4414E-06	0.374
3800.	2.539	34.916	2.2124	27.860	45.8508	2.389	1524.1	3740.	0.4484E-06	0.335
4000.	2.508	34.911	2.1596	27.858	45.8562	2.480	1527.4	3935.	0.4573E-06	0.291
4200.	2.483	34.905	2.1121	27.856	45.8611	2.572	1530.7	4130.	0.4661E-06	0.277
4400.	2.464	34.900	2.0693	27.853	45.8651	2.666	1534.1	4324.	0.4759E-06	0.262
4600.	2.452	34.898	2.0337	27.852	45.8699	2.762	1537.5	4519.	0.4845E-06	0.291
4800.	2.457	34.896	2.0139	27.850	45.8720	2.860	1541.0	4713.	0.4959E-06	0.191
5000.	2.467	34.894	1.9989	27.848	45.8735	2.960	1544.5	4907.	0.5076E-06	0.156
5100.	2.475	34.893	1.9939	27.846	45.8736	3.012	1546.3	5004.	0.5141E-06	0.090
5200.	2.486	34.892	1.9909	27.845	45.8738	3.063	1548.0	5101.	0.5208E-06	0.090
5300.	2.496	34.892	1.9881	27.844	45.8742	3.116	1549.8	5198.	0.5276E-06	0.127

DISCOVERY 117 STATION 10266

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.235	36.572	18.2333	26.419	43.0253	0.016	1518.4	10.	0.1603E-05	-9.990
20.	18.231	36.572	18.2278	26.420	43.0271	0.032	1518.6	20.	0.1605E-05	0.682
30.	18.231	36.572	18.2259	26.420	43.0277	0.048	1518.7	30.	0.1609E-05	0.394
50.	18.238	36.573	18.2294	26.419	43.0267	0.080	1519.1	50.	0.1617E-05	-0.278
75.	18.242	36.572	18.2292	26.417	43.0265	0.121	1519.5	74.	0.1627E-05	-0.249
100.	18.246	36.572	18.2282	26.416	43.0267	0.162	1519.9	99.	0.1636E-05	0.0
125.	18.246	36.571	18.2238	26.416	43.0273	0.203	1520.4	124.	0.1646E-05	0.176
150.	16.236	36.207	16.2115	26.623	43.3728	0.242	1514.4	149.	0.1454E-05	5.182
200.	15.106	36.054	15.0748	26.762	43.5939	0.312	1511.5	198.	0.1335E-05	3.017
250.	13.987	35.884	13.9502	26.874	43.7901	0.376	1508.6	248.	0.1239E-05	2.728
300.	13.252	35.783	13.2095	26.949	43.9224	0.436	1506.9	298.	0.1179E-05	2.252
400.	12.276	35.660	12.2222	27.049	44.1008	0.551	1505.1	397.	0.1105E-05	1.850
500.	11.623	35.601	11.5575	27.129	44.2354	0.658	1504.5	496.	0.1049E-05	1.672
600.	10.906	35.535	10.8310	27.210	44.3761	0.760	1503.6	595.	0.9898E-06	1.692
700.	10.502	35.571	10.4157	27.311	44.5111	0.855	1503.9	694.	0.9125E-06	1.853
800.	10.133	35.641	10.0362	27.430	44.6608	0.942	1504.3	793.	0.8177E-06	1.998
900.	10.052	35.757	9.9430	27.535	44.7719	1.019	1505.8	892.	0.7402E-06	1.845
1000.	9.632	35.767	9.5130	27.615	44.8882	1.090	1506.0	991.	0.6794E-06	1.684
1200.	8.881	35.790	8.7432	27.757	45.0959	1.215	1506.6	1188.	0.5714E-06	1.601
1400.	6.844	35.457	6.7023	27.801	45.3268	1.323	1501.8	1385.	0.5104E-06	1.294
1600.	5.542	35.274	5.3939	27.827	45.4783	1.421	1499.7	1583.	0.4722E-06	1.079
1800.	4.768	35.168	4.6086	27.835	45.5653	1.513	1499.8	1780.	0.4580E-06	0.824
2000.	4.135	35.081	3.9647	27.836	45.6324	1.604	1500.4	1976.	0.4496E-06	0.728
2200.	3.591	35.014	3.4101	27.839	45.6931	1.693	1501.4	2173.	0.4375E-06	0.734
2400.	3.318	34.991	3.1219	27.848	45.7325	1.779	1503.6	2369.	0.4303E-06	0.651
2600.	3.107	34.975	2.8945	27.855	45.7647	1.865	1506.1	2566.	0.4254E-06	0.611
2800.	2.955	34.962	2.7254	27.859	45.7876	1.950	1508.8	2762.	0.4251E-06	0.520
3000.	2.840	34.952	2.5927	27.861	45.8056	2.035	1511.7	2958.	0.4272E-06	0.481
3200.	2.738	34.941	2.4720	27.862	45.8200	2.121	1514.7	3153.	0.4312E-06	0.424
3400.	2.658	34.932	2.3721	27.862	45.8322	2.208	1517.7	3349.	0.4361E-06	0.400
3600.	2.597	34.924	2.2913	27.861	45.8415	2.295	1520.9	3544.	0.4424E-06	0.369
3800.	2.552	34.917	2.2248	27.859	45.8487	2.385	1524.1	3740.	0.4501E-06	0.329
4000.	2.513	34.911	2.1646	27.857	45.8553	2.475	1527.4	3935.	0.4580E-06	0.317
4200.	2.487	34.905	2.1157	27.855	45.8601	2.568	1530.7	4130.	0.4673E-06	0.277
4400.	2.463	34.900	2.0691	27.854	45.8653	2.662	1534.1	4324.	0.4757E-06	0.298
4600.	2.452	34.898	2.0336	27.852	45.8698	2.758	1537.5	4519.	0.4845E-06	0.284
4800.	2.456	34.895	2.0127	27.850	45.8719	2.856	1541.0	4713.	0.4959E-06	0.201
5000.	2.466	34.894	1.9980	27.848	45.8735	2.956	1544.5	4907.	0.5073E-06	0.180
5100.	2.474	34.893	1.9922	27.847	45.8739	3.008	1546.3	5004.	0.5136E-06	0.127
5200.	2.483	34.892	1.9884	27.845	45.8742	3.059	1548.0	5101.	0.5204E-06	0.090
5300.	2.493	34.892	1.9853	27.844	45.8745	3.112	1549.8	5198.	0.5269E-06	0.0

DISCOVERY 117 STATION 10267

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.425	36.633	18.4234	26.418	43.0106	0.016	1519.0	10.	0.1604E-05	-9.990
20.	18.418	36.632	18.4146	26.419	43.0126	0.032	1519.2	20.	0.1607E-05	0.682
30.	18.380	36.626	18.3745	26.424	43.0206	0.048	1519.2	30.	0.1605E-05	1.335
50.	18.200	36.575	18.1913	26.430	43.0404	0.080	1519.0	50.	0.1606E-05	1.078
75.	18.168	36.567	18.1552	26.432	43.0457	0.120	1519.3	74.	0.1613E-05	0.610
100.	18.140	36.560	18.1221	26.434	43.0507	0.161	1519.6	99.	0.1620E-05	0.610
125.	18.139	36.560	18.1167	26.434	43.0527	0.201	1520.0	124.	0.1628E-05	0.466
150.	16.384	36.237	16.3601	26.611	43.3502	0.240	1514.9	149.	0.1465E-05	4.783
200.	15.122	36.052	15.0909	26.757	43.5882	0.310	1511.6	198.	0.1339E-05	3.098
250.	13.951	35.881	13.9145	26.879	43.7980	0.374	1508.5	248.	0.1234E-05	2.843
300.	13.216	35.777	13.1734	26.952	43.9284	0.435	1506.8	298.	0.1175E-05	2.220
400.	12.282	35.660	12.2281	27.048	44.0993	0.549	1505.2	397.	0.1106E-05	1.808
500.	11.627	35.600	11.5618	27.127	44.2327	0.657	1504.5	496.	0.1051E-05	1.658
600.	10.978	35.543	10.9019	27.203	44.3636	0.759	1503.8	595.	0.9970E-06	1.640
700.	10.570	35.556	10.4831	27.287	44.4823	0.856	1504.1	694.	0.9360E-06	1.697
800.	10.126	35.617	10.0292	27.412	44.6443	0.945	1504.2	793.	0.8342E-06	2.056
900.	10.071	35.737	9.9619	27.516	44.7523	1.024	1505.8	892.	0.7579E-06	1.832
1000.	9.687	35.779	9.5677	27.614	44.8831	1.096	1506.2	991.	0.6808E-06	1.839
1200.	8.975	35.797	8.8360	27.747	45.0784	1.222	1506.9	1188.	0.5823E-06	1.550
1400.	7.099	35.497	6.9544	27.797	45.2990	1.332	1502.8	1385.	0.5220E-06	1.295
1600.	5.509	35.263	5.3607	27.823	45.4775	1.432	1499.6	1583.	0.4747E-06	1.154
1800.	4.829	35.173	4.6689	27.833	45.5570	1.525	1500.0	1780.	0.4629E-06	0.804
2000.	4.183	35.087	4.0129	27.836	45.6270	1.617	1500.6	1976.	0.4524E-06	0.749
2200.	3.655	35.021	3.4730	27.838	45.6859	1.706	1501.7	2173.	0.4417E-06	0.726
2400.	3.341	34.993	3.1443	27.847	45.7298	1.793	1503.7	2370.	0.4319E-06	0.690
2600.	3.117	34.976	2.9051	27.855	45.7633	1.879	1506.1	2566.	0.4261E-06	0.614
2800.	2.958	34.961	2.7287	27.858	45.7867	1.964	1508.8	2762.	0.4261E-06	0.528
3000.	2.825	34.949	2.5777	27.861	45.8066	2.049	1511.6	2958.	0.4265E-06	0.493
3200.	2.720	34.939	2.4546	27.862	45.8218	2.135	1514.6	3153.	0.4298E-06	0.442
3400.	2.639	34.929	2.3539	27.861	45.8337	2.221	1517.7	3349.	0.4349E-06	0.395
3600.	2.577	34.921	2.2718	27.860	45.8432	2.309	1520.8	3544.	0.4410E-06	0.369
3800.	2.536	34.915	2.2093	27.859	45.8503	2.398	1524.1	3740.	0.4489E-06	0.323
4000.	2.505	34.910	2.1565	27.857	45.8561	2.488	1527.4	3935.	0.4573E-06	0.297
4200.	2.483	34.905	2.1114	27.855	45.8609	2.581	1530.7	4130.	0.4664E-06	0.284
4400.	2.463	34.900	2.0684	27.854	45.8655	2.675	1534.1	4324.	0.4754E-06	0.277
4600.	2.453	34.897	2.0351	27.852	45.8692	2.771	1537.5	4519.	0.4850E-06	0.254
4800.	2.455	34.894	2.0117	27.849	45.8713	2.869	1541.0	4713.	0.4964E-06	0.211
5000.	2.466	34.893	1.9972	27.847	45.8728	2.969	1544.5	4907.	0.5080E-06	0.180
5100.	2.475	34.892	1.9934	27.846	45.8730	3.021	1546.3	5004.	0.5146E-06	0.0
5200.	2.484	34.891	1.9891	27.844	45.8731	3.072	1548.0	5101.	0.5215E-06	0.0
5300.	2.495	34.891	1.9871	27.843	45.8734	3.125	1549.8	5198.	0.5281E-06	0.090

DISCOVERY 117 STATION 10268

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.488	36.654	18.4865	26.418	43.0066	0.016	1519.2	10.	0.1604E-05	-9.990
20.	18.493	36.653	18.4892	26.416	43.0045	0.032	1519.4	20.	0.1609E-05	-0.787
30.	18.497	36.653	18.4921	26.415	43.0041	0.048	1519.6	30.	0.1614E-05	-0.278
50.	18.507	36.657	18.4983	26.416	43.0053	0.081	1520.0	50.	0.1620E-05	0.482
75.	18.518	36.661	18.5047	26.416	43.0056	0.121	1520.4	74.	0.1629E-05	0.352
100.	18.386	36.624	18.3682	26.421	43.0212	0.162	1520.4	99.	0.1632E-05	0.898
125.	18.204	36.583	18.1817	26.435	43.0492	0.203	1520.2	124.	0.1627E-05	1.420
150.	16.604	36.293	16.5793	26.602	43.3261	0.241	1515.6	149.	0.1474E-05	4.651
200.	15.491	36.120	15.4595	26.727	43.5309	0.312	1512.8	198.	0.1369E-05	2.858
250.	14.477	35.964	14.4392	26.831	43.7110	0.378	1510.3	248.	0.1281E-05	2.639
300.	13.634	35.837	13.5910	26.912	43.8566	0.440	1508.2	298.	0.1216E-05	2.333
400.	12.502	35.685	12.4474	27.024	44.0590	0.557	1505.9	397.	0.1129E-05	1.963
500.	11.761	35.609	11.6956	27.108	44.2041	0.667	1505.0	496.	0.1070E-05	1.714
600.	11.108	35.547	11.0317	27.183	44.3333	0.771	1504.3	595.	0.1017E-05	1.623
700.	10.711	35.567	10.6237	27.270	44.4545	0.869	1504.6	694.	0.9532E-06	1.729
800.	10.684	35.722	10.5841	27.396	44.5815	0.960	1506.3	793.	0.8577E-06	2.010
900.	10.080	35.725	9.9707	27.505	44.7409	1.041	1505.9	892.	0.7681E-06	1.954
1000.	9.818	35.806	9.6978	27.613	44.8707	1.112	1506.7	991.	0.6843E-06	1.900
1200.	9.107	35.816	8.9670	27.740	45.0608	1.238	1507.4	1188.	0.5914E-06	1.524
1400.	6.818	35.447	6.6764	27.797	45.3248	1.349	1501.6	1385.	0.5139E-06	1.403
1600.	5.542	35.270	5.3938	27.825	45.4759	1.447	1499.7	1583.	0.4745E-06	1.089
1800.	4.723	35.158	4.5646	27.833	45.5670	1.540	1499.6	1780.	0.4589E-06	0.838
2000.	4.110	35.076	3.9407	27.835	45.6336	1.631	1500.3	1976.	0.4496E-06	0.733
2200.	3.711	35.032	3.5276	27.842	45.6836	1.720	1502.0	2173.	0.4414E-06	0.692
2400.	3.395	34.999	3.1980	27.847	45.7237	1.808	1504.0	2369.	0.4356E-06	0.642
2600.	3.152	34.977	2.9386	27.853	45.7579	1.895	1506.3	2566.	0.4303E-06	0.618
2800.	2.974	34.962	2.7441	27.857	45.7842	1.980	1508.9	2762.	0.4279E-06	0.561
3000.	2.837	34.950	2.5896	27.860	45.8048	2.066	1511.7	2958.	0.4282E-06	0.505
3200.	2.731	34.939	2.4649	27.861	45.8201	2.152	1514.6	3153.	0.4314E-06	0.447
3400.	2.651	34.930	2.3651	27.861	45.8322	2.238	1517.7	3349.	0.4361E-06	0.405
3600.	2.580	34.921	2.2744	27.860	45.8424	2.326	1520.8	3544.	0.4419E-06	0.374
3800.	2.543	34.915	2.2162	27.858	45.8487	2.415	1524.1	3740.	0.4501E-06	0.310
4000.	2.513	34.909	2.1647	27.856	45.8542	2.506	1527.4	3935.	0.4589E-06	0.304
4200.	2.485	34.904	2.1138	27.855	45.8597	2.599	1530.7	4130.	0.4675E-06	0.304
4400.	2.466	34.900	2.0713	27.853	45.8647	2.693	1534.1	4324.	0.4761E-06	0.291
4600.	2.453	34.896	2.0349	27.851	45.8685	2.789	1537.5	4519.	0.4857E-06	0.262
4800.	2.453	34.894	2.0098	27.849	45.8713	2.887	1541.0	4713.	0.4964E-06	0.229
5000.	2.465	34.892	1.9968	27.847	45.8723	2.988	1544.5	4907.	0.5083E-06	0.142
5100.	2.475	34.891	1.9932	27.845	45.8725	3.039	1546.3	5004.	0.5150E-06	0.0
5200.	2.485	34.891	1.9906	27.844	45.8728	3.091	1548.0	5101.	0.5220E-06	0.0
5300.	2.495	34.890	1.9869	27.843	45.8730	3.143	1549.8	5198.	0.5283E-06	0.090

DISCOVERY 117 STATION 10269

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.157	36.567	18.1550	26.434	43.0455	0.016	1518.2	10.	0.1588E-05	-9.990
20.	18.155	36.567	18.1514	26.435	43.0468	0.032	1518.3	20.	0.1591E-05	0.557
30.	18.159	36.567	18.1534	26.434	43.0463	0.048	1518.5	30.	0.1595E-05	-0.394
50.	18.165	36.567	18.1561	26.433	43.0457	0.080	1518.9	50.	0.1603E-05	-0.278
75.	18.171	36.569	18.1576	26.433	43.0463	0.120	1519.3	74.	0.1612E-05	0.305
100.	18.162	36.567	18.1446	26.433	43.0489	0.160	1519.7	99.	0.1620E-05	0.466
125.	17.950	36.522	17.9279	26.452	43.0835	0.201	1519.4	124.	0.1610E-05	1.605
150.	16.341	36.227	16.3172	26.614	43.3562	0.239	1514.7	149.	0.1463E-05	4.571
200.	15.204	36.081	15.1731	26.761	43.5855	0.309	1511.9	198.	0.1336E-05	3.103
250.	13.894	35.873	13.8580	26.885	43.8079	0.373	1508.3	248.	0.1228E-05	2.870
300.	13.195	35.773	13.1529	26.953	43.9304	0.433	1506.7	298.	0.1175E-05	2.145
400.	12.328	35.671	12.2741	27.048	44.0955	0.547	1505.3	397.	0.1106E-05	1.804
500.	11.543	35.585	11.4785	27.131	44.2437	0.655	1504.2	496.	0.1047E-05	1.709
600.	10.979	35.550	10.9034	27.209	44.3692	0.756	1503.9	595.	0.9914E-06	1.647
700.	10.563	35.593	10.4762	27.317	44.5121	0.852	1504.1	694.	0.9076E-06	1.911
800.	10.139	35.617	10.0415	27.411	44.6415	0.939	1504.3	793.	0.8361E-06	1.792
900.	9.591	35.641	9.4846	27.523	44.7999	1.017	1504.0	892.	0.7432E-06	1.976
1000.	9.651	35.775	9.5317	27.618	44.8894	1.088	1506.0	991.	0.6766E-06	1.736
1200.	8.840	35.771	8.7026	27.748	45.0914	1.214	1506.4	1188.	0.5781E-06	1.553
1400.	6.846	35.454	6.7039	27.799	45.3242	1.323	1501.8	1385.	0.5127E-06	1.321
1600.	5.503	35.263	5.3546	27.824	45.4791	1.423	1499.5	1583.	0.4736E-06	1.085
1800.	4.702	35.156	4.5442	27.834	45.5702	1.517	1499.5	1780.	0.4568E-06	0.850
2000.	4.035	35.063	3.8670	27.833	45.6387	1.608	1500.0	1976.	0.4482E-06	0.728
2200.	3.607	35.015	3.4258	27.839	45.6908	1.696	1501.5	2173.	0.4391E-06	0.701
2400.	3.326	34.989	3.1296	27.846	45.7296	1.783	1503.6	2369.	0.4331E-06	0.645
2600.	3.118	34.973	2.9053	27.853	45.7614	1.869	1506.1	2566.	0.4279E-06	0.601
2800.	2.957	34.959	2.7277	27.857	45.7852	1.954	1508.8	2762.	0.4272E-06	0.528
3000.	2.808	34.947	2.5617	27.860	45.8077	2.040	1511.6	2958.	0.4258E-06	0.528
3200.	2.711	34.937	2.4460	27.861	45.8223	2.125	1514.6	3153.	0.4296E-06	0.433
3400.	2.632	34.928	2.3469	27.861	45.8343	2.212	1517.6	3349.	0.4342E-06	0.405
3600.	2.572	34.920	2.2671	27.860	45.8431	2.299	1520.8	3544.	0.4410E-06	0.352
3800.	2.523	34.913	2.1963	27.858	45.8509	2.388	1524.0	3740.	0.4482E-06	0.341
4000.	2.497	34.908	2.1484	27.857	45.8562	2.479	1527.3	3935.	0.4573E-06	0.291
4200.	2.482	34.904	2.1108	27.855	45.8603	2.571	1530.7	4130.	0.4668E-06	0.262
4400.	2.461	34.900	2.0664	27.853	45.8653	2.665	1534.1	4324.	0.4754E-06	0.277
4600.	2.449	34.896	2.0311	27.851	45.8691	2.761	1537.5	4519.	0.4852E-06	0.262
4800.	2.454	34.894	2.0108	27.849	45.8712	2.859	1541.0	4713.	0.4964E-06	0.191
5000.	2.465	34.892	1.9971	27.847	45.8726	2.960	1544.5	4907.	0.5080E-06	0.156
5100.	2.474	34.892	1.9925	27.846	45.8730	3.011	1546.3	5004.	0.5146E-06	0.127
5200.	2.482	34.890	1.9875	27.844	45.8729	3.063	1548.0	5101.	0.5215E-06	0.0
5300.	2.494	34.891	1.9863	27.844	45.8737	3.115	1549.8	5198.	0.5276E-06	0.156
5400.	2.508	34.886	1.9860	27.838	45.8694	3.168	1551.6	5295.	0.5385E-06	-0.372

DISCOVERY 117 STATION 10270

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	19.156	36.786	19.1546	26.347	42.8921	0.017	1521.3	10.	0.1671E-05	-9.990
20.	19.173	36.799	19.1696	26.353	42.8973	0.033	1521.5	20.	0.1669E-05	1.392
30.	19.202	36.847	19.1962	26.383	42.9245	0.050	1521.8	30.	0.1644E-05	3.088
50.	19.183	36.848	19.1738	26.388	42.9319	0.083	1522.1	50.	0.1647E-05	0.984
75.	19.170	36.845	19.1560	26.390	42.9359	0.124	1522.5	74.	0.1654E-05	0.584
100.	19.177	36.848	19.1591	26.390	42.9368	0.166	1522.9	99.	0.1663E-05	0.394
125.	19.182	36.849	19.1589	26.389	42.9378	0.207	1523.3	124.	0.1672E-05	0.352
150.	18.533	36.711	18.5065	26.450	43.0421	0.249	1521.8	149.	0.1622E-05	2.819
200.	16.545	36.311	16.5126	26.630	43.3600	0.325	1516.3	199.	0.1463E-05	3.442
250.	15.752	36.168	15.7125	26.704	43.4918	0.396	1514.5	248.	0.1407E-05	2.223
300.	14.922	36.033	14.8766	26.787	43.6362	0.465	1512.6	298.	0.1340E-05	2.366
400.	13.652	35.844	13.5941	26.913	43.8606	0.594	1509.9	397.	0.1242E-05	2.083
500.	12.541	35.698	12.4724	27.026	44.0613	0.714	1507.7	496.	0.1154E-05	1.981
600.	11.668	35.596	11.5890	27.116	44.2231	0.826	1506.3	595.	0.1086E-05	1.794
700.	10.862	35.538	10.7736	27.220	44.3935	0.931	1505.1	694.	0.1002E-05	1.915
800.	10.241	35.550	10.1437	27.340	44.5648	1.026	1504.6	793.	0.9034E-06	2.035
900.	9.492	35.554	9.3865	27.472	44.7590	1.111	1503.5	892.	0.7893E-06	2.148
1000.	8.857	35.556	8.7431	27.577	44.9191	1.185	1502.9	991.	0.6990E-06	1.943
1200.	8.097	35.573	7.9663	27.710	45.1198	1.314	1503.4	1188.	0.5958E-06	1.557
1400.	7.131	35.486	6.9865	27.783	45.2833	1.426	1502.9	1386.	0.5353E-06	1.285
1600.	5.529	35.265	5.3807	27.822	45.4749	1.527	1499.7	1583.	0.4761E-06	1.237
1800.	4.802	35.168	4.6430	27.831	45.5579	1.621	1499.9	1780.	0.4633E-06	0.812
2000.	4.140	35.081	3.9702	27.836	45.6311	1.712	1500.4	1977.	0.4503E-06	0.780
2200.	3.690	35.029	3.5073	27.841	45.6850	1.801	1501.9	2173.	0.4410E-06	0.709
2400.	3.325	34.992	3.1290	27.848	45.7321	1.888	1503.6	2370.	0.4305E-06	0.693
2600.	3.100	34.974	2.8882	27.855	45.7651	1.973	1506.1	2566.	0.4251E-06	0.611
2800.	2.930	34.959	2.7010	27.859	45.7900	2.058	1508.7	2762.	0.4238E-06	0.543
3000.	2.790	34.945	2.5441	27.861	45.8099	2.143	1511.5	2958.	0.4242E-06	0.497
3200.	2.682	34.934	2.4170	27.861	45.8254	2.228	1514.4	3154.	0.4272E-06	0.451
3400.	2.613	34.926	2.3286	27.861	45.8361	2.314	1517.5	3349.	0.4331E-06	0.379
3600.	2.556	34.918	2.2509	27.860	45.8449	2.401	1520.7	3545.	0.4396E-06	0.352
3800.	2.512	34.912	2.1865	27.859	45.8522	2.490	1524.0	3740.	0.4470E-06	0.323
4000.	2.479	34.906	2.1317	27.857	45.8581	2.580	1527.2	3935.	0.4552E-06	0.291
4200.	2.457	34.901	2.0869	27.855	45.8628	2.672	1530.6	4130.	0.4645E-06	0.269
4400.	2.439	34.897	2.0453	27.853	45.8674	2.766	1534.0	4325.	0.4736E-06	0.269
4600.	2.434	34.894	2.0163	27.851	45.8706	2.861	1537.4	4519.	0.4836E-06	0.238
4800.	2.437	34.892	1.9952	27.849	45.8724	2.959	1540.9	4714.	0.4952E-06	0.191
5000.	2.455	34.891	1.9871	27.847	45.8734	3.059	1544.4	4908.	0.5073E-06	0.142
5100.	2.464	34.890	1.9828	27.846	45.8737	3.110	1546.2	5005.	0.5136E-06	0.090
5200.	2.472	34.890	1.9779	27.844	45.8741	3.162	1548.0	5102.	0.5201E-06	0.127
5300.	2.483	34.890	1.9757	27.843	45.8746	3.214	1549.8	5199.	0.5267E-06	0.127
5400.	2.493	34.889	1.9720	27.842	45.8750	3.267	1551.6	5296.	0.5329E-06	0.128

DISCOVERY 117 STATION 10271

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	19.209	36.768	19.2076	26.320	42.8620	0.017	1521.4	10.	0.1697E-05	-9.990
20.	19.213	36.768	19.2096	26.319	42.8613	0.034	1521.6	20.	0.1701E-05	-0.394
30.	19.219	36.768	19.2135	26.318	42.8606	0.051	1521.8	30.	0.1706E-05	-0.278
50.	19.219	36.768	19.2100	26.317	42.8611	0.085	1522.1	50.	0.1714E-05	0.197
75.	19.211	36.764	19.1974	26.316	42.8622	0.128	1522.5	74.	0.1723E-05	0.176
100.	19.214	36.764	19.1956	26.316	42.8634	0.171	1522.9	99.	0.1733E-05	0.352
125.	19.212	36.764	19.1893	26.316	42.8650	0.215	1523.3	124.	0.1741E-05	0.394
150.	17.343	36.432	17.3181	26.532	43.2051	0.255	1518.0	149.	0.1542E-05	5.279
200.	16.377	36.272	16.3449	26.639	43.3810	0.330	1515.7	199.	0.1454E-05	2.658
250.	15.550	36.138	15.5106	26.727	43.5293	0.401	1513.9	248.	0.1384E-05	2.417
300.	14.802	36.016	14.7567	26.800	43.6582	0.469	1512.2	298.	0.1327E-05	2.220
400.	13.466	35.817	13.4088	26.931	43.8925	0.596	1509.3	397.	0.1224E-05	2.122
500.	12.391	35.670	12.3232	27.035	44.0816	0.715	1507.2	496.	0.1145E-05	1.903
600.	11.484	35.574	11.4062	27.134	44.2552	0.825	1505.6	595.	0.1067E-05	1.875
700.	10.681	35.512	10.5934	27.233	44.4207	0.928	1504.4	694.	0.9881E-06	1.872
800.	9.910	35.492	9.8147	27.352	44.6048	1.022	1503.3	793.	0.8869E-06	2.050
900.	9.610	35.603	9.5037	27.490	44.7664	1.104	1504.0	892.	0.7744E-06	2.134
1000.	8.699	35.514	8.5867	27.569	44.9255	1.178	1502.2	991.	0.7031E-06	1.772
1200.	7.725	35.489	7.5973	27.700	45.1437	1.307	1501.9	1188.	0.5958E-06	1.572
1400.	6.777	35.420	6.6362	27.781	45.3134	1.419	1501.4	1386.	0.5269E-06	1.325
1600.	5.626	35.272	5.4768	27.815	45.4591	1.520	1500.0	1583.	0.4857E-06	1.105
1800.	4.815	35.167	4.6551	27.829	45.5547	1.615	1500.0	1780.	0.4657E-06	0.886
2000.	4.243	35.096	4.0714	27.837	45.6225	1.707	1500.9	1977.	0.4540E-06	0.772
2200.	3.772	35.043	3.5875	27.844	45.6799	1.797	1502.2	2173.	0.4421E-06	0.739
2400.	3.420	35.005	3.2219	27.849	45.7238	1.884	1504.1	2370.	0.4349E-06	0.663
2600.	3.149	34.978	2.9365	27.854	45.7590	1.970	1506.3	2566.	0.4291E-06	0.618
2800.	2.984	34.965	2.7545	27.858	45.7841	2.056	1508.9	2762.	0.4275E-06	0.550
3000.	2.824	34.950	2.5767	27.861	45.8072	2.141	1511.6	2958.	0.4261E-06	0.539
3200.	2.707	34.937	2.4412	27.862	45.8234	2.227	1514.5	3154.	0.4286E-06	0.456
3400.	2.626	34.929	2.3415	27.862	45.8359	2.313	1517.6	3350.	0.4328E-06	0.415
3600.	2.570	34.921	2.2644	27.861	45.8446	2.400	1520.8	3545.	0.4400E-06	0.341
3800.	2.522	34.913	2.1955	27.859	45.8512	2.489	1524.0	3740.	0.4482E-06	0.317
4000.	2.494	34.908	2.1454	27.857	45.8567	2.580	1527.3	3935.	0.4568E-06	0.297
4200.	2.472	34.903	2.1011	27.855	45.8614	2.672	1530.7	4130.	0.4657E-06	0.277
4400.	2.455	34.899	2.0612	27.853	45.8656	2.766	1534.0	4325.	0.4752E-06	0.269
4600.	2.445	34.895	2.0274	27.851	45.8692	2.862	1537.5	4520.	0.4852E-06	0.254
4800.	2.445	34.893	2.0028	27.849	45.8721	2.960	1540.9	4714.	0.4957E-06	0.229
5000.	2.451	34.891	1.9836	27.847	45.8740	3.060	1544.4	4908.	0.5066E-06	0.201
5100.	2.458	34.890	1.9769	27.846	45.8746	3.111	1546.2	5005.	0.5127E-06	0.180
5200.	2.466	34.889	1.9722	27.844	45.8749	3.163	1548.0	5102.	0.5194E-06	0.127
5300.	2.477	34.889	1.9697	27.843	45.8749	3.215	1549.7	5199.	0.5260E-06	0.127
5400.	2.485	34.889	1.9645	27.842	45.8757	3.268	1551.5	5296.	0.5320E-06	0.128
5500.	2.498	34.888	1.9635	27.841	45.8755	3.321	1553.3	5393.	0.5390E-06	0.0

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DISCOVERY 117 STATION 10272

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	19.463	36.887	19.4607	26.345	42.8689	0.017	1522.3	10.	0.1673E-05	-9.990
20.	19.460	36.889	19.4566	26.347	42.8718	0.034	1522.4	20.	0.1675E-05	0.923
30.	19.445	36.889	19.4399	26.351	42.8772	0.051	1522.5	30.	0.1675E-05	1.181
50.	19.438	36.889	19.4289	26.353	42.8811	0.084	1522.9	50.	0.1680E-05	0.710
75.	19.440	36.892	19.4263	26.355	42.8837	0.126	1523.3	74.	0.1688E-05	0.557
100.	19.440	36.892	19.4218	26.355	42.8854	0.168	1523.7	99.	0.1696E-05	0.431
125.	18.724	36.754	18.7021	26.434	43.0126	0.210	1521.9	124.	0.1629E-05	3.224
150.	17.989	36.618	17.9634	26.516	43.1433	0.250	1520.1	149.	0.1559E-05	3.253
200.	16.692	36.345	16.6591	26.621	43.3407	0.325	1516.8	199.	0.1472E-05	2.652
250.	15.811	36.186	15.7708	26.704	43.4879	0.397	1514.7	248.	0.1407E-05	2.355
300.	15.028	36.054	14.9816	26.780	43.6214	0.466	1512.9	298.	0.1347E-05	2.258
400.	13.695	35.829	13.6374	26.893	43.8370	0.596	1510.1	397.	0.1262E-05	1.978
500.	12.685	35.725	12.6162	27.019	44.0425	0.717	1508.3	496.	0.1163E-05	2.079
600.	11.651	35.599	11.5723	27.122	44.2296	0.829	1506.3	595.	0.1080E-05	1.918
700.	10.725	35.526	10.6372	27.235	44.4197	0.932	1504.6	694.	0.9860E-06	2.007
800.	9.872	35.480	9.7767	27.349	44.6051	1.026	1503.2	793.	0.8889E-06	2.014
900.	9.342	35.506	9.2374	27.459	44.7594	1.111	1502.9	892.	0.7988E-06	1.948
1000.	8.632	35.492	8.5207	27.563	44.9247	1.187	1501.9	991.	0.7083E-06	1.941
1200.	7.562	35.455	7.4358	27.697	45.1553	1.317	1501.2	1188.	0.5946E-06	1.603
1400.	6.646	35.387	6.5068	27.773	45.3180	1.429	1500.9	1386.	0.5306E-06	1.295
1600.	5.493	35.249	5.3448	27.813	45.4700	1.529	1499.5	1583.	0.4827E-06	1.148
1800.	4.787	35.163	4.6281	27.829	45.5573	1.624	1499.9	1780.	0.4647E-06	0.863
2000.	4.241	35.100	4.0695	27.840	45.6254	1.715	1500.9	1977.	0.4512E-06	0.788
2200.	3.780	35.048	3.5963	27.847	45.6816	1.805	1502.3	2174.	0.4405E-06	0.728
2400.	3.427	35.009	3.2288	27.852	45.7254	1.892	1504.1	2370.	0.4328E-06	0.666
2600.	3.134	34.980	2.9214	27.856	45.7632	1.978	1506.2	2566.	0.4258E-06	0.643
2800.	2.948	34.961	2.7191	27.859	45.7881	2.063	1508.8	2763.	0.4249E-06	0.539
3000.	2.813	34.947	2.5663	27.860	45.8073	2.148	1511.6	2959.	0.4263E-06	0.489
3200.	2.719	34.938	2.4533	27.861	45.8213	2.233	1514.6	3154.	0.4305E-06	0.429
3400.	2.632	34.928	2.3470	27.861	45.8339	2.320	1517.6	3350.	0.4347E-06	0.410
3600.	2.569	34.920	2.2636	27.860	45.8437	2.407	1520.8	3545.	0.4407E-06	0.369
3800.	2.534	34.914	2.2070	27.858	45.8497	2.496	1524.0	3741.	0.4494E-06	0.297
4000.	2.502	34.908	2.1535	27.857	45.8556	2.587	1527.3	3936.	0.4575E-06	0.304
4200.	2.476	34.904	2.1054	27.855	45.8610	2.679	1530.7	4131.	0.4661E-06	0.298
4400.	2.461	34.900	2.0669	27.853	45.8655	2.773	1534.1	4325.	0.4754E-06	0.269
4600.	2.447	34.896	2.0292	27.851	45.8694	2.869	1537.5	4520.	0.4848E-06	0.262
4800.	2.443	34.893	2.0002	27.849	45.8726	2.967	1540.9	4714.	0.4950E-06	0.229
5000.	2.448	34.891	1.9803	27.847	45.8748	3.067	1544.4	4909.	0.5057E-06	0.201
5100.	2.455	34.890	1.9744	27.846	45.8753	3.118	1546.2	5006.	0.5120E-06	0.127
5200.	2.464	34.890	1.9699	27.845	45.8758	3.170	1548.0	5103.	0.5187E-06	0.090
5300.	2.471	34.889	1.9642	27.844	45.8761	3.222	1549.7	5200.	0.5248E-06	0.127
5400.	2.480	34.888	1.9594	27.842	45.8765	3.275	1551.5	5297.	0.5311E-06	0.156
5500.	2.493	34.888	1.9589	27.841	45.8766	3.328	1553.3	5393.	0.5378E-06	0.0

DISCOVERY 117 STATION 10273

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.479	36.672	18.4768	26.434	43.0226	0.016	1519.2	10.	0.1588E-05	-9.990
20.	18.481	36.672	18.4778	26.434	43.0228	0.032	1519.4	20.	0.1592E-05	0.278
30.	18.482	36.672	18.4770	26.434	43.0231	0.048	1519.6	30.	0.1596E-05	0.0
50.	18.480	36.672	18.4707	26.434	43.0246	0.080	1519.9	50.	0.1603E-05	0.440
75.	18.479	36.669	18.4662	26.432	43.0240	0.120	1520.3	74.	0.1613E-05	-0.352
100.	18.474	36.682	18.4559	26.443	43.0368	0.160	1520.7	99.	0.1612E-05	1.258
125.	16.714	36.319	16.6932	26.596	43.3108	0.199	1515.5	124.	0.1472E-05	4.453
150.	16.198	36.239	16.1734	26.656	43.4081	0.235	1514.3	149.	0.1422E-05	2.803
200.	15.314	36.099	15.2828	26.750	43.5668	0.304	1512.2	198.	0.1346E-05	2.489
250.	14.480	35.977	14.4426	26.841	43.7198	0.369	1510.3	248.	0.1273E-05	2.449
300.	13.541	35.838	13.4982	26.932	43.8830	0.431	1507.9	298.	0.1197E-05	2.478
400.	12.503	35.700	12.4481	27.036	44.0700	0.547	1506.0	397.	0.1119E-05	1.892
500.	11.690	35.606	11.6243	27.120	44.2207	0.655	1504.7	496.	0.1059E-05	1.714
600.	11.046	35.550	10.9699	27.196	44.3517	0.759	1504.1	595.	0.1004E-05	1.647
700.	10.538	35.551	10.4515	27.288	44.4866	0.857	1504.0	694.	0.9341E-06	1.785
800.	10.190	35.659	10.0929	27.434	44.6602	0.944	1504.5	793.	0.8147E-06	2.196
900.	10.030	35.765	9.9208	27.545	44.7836	1.022	1505.7	892.	0.7304E-06	1.903
1000.	9.714	35.809	9.5939	27.634	44.8994	1.091	1506.3	991.	0.6633E-06	1.745
1200.	8.786	35.767	8.6488	27.754	45.1018	1.214	1506.2	1188.	0.5716E-06	1.515
1400.	6.850	35.465	6.7086	27.806	45.3311	1.321	1501.8	1385.	0.5057E-06	1.322
1600.	5.551	35.279	5.4028	27.830	45.4807	1.418	1499.8	1583.	0.4694E-06	1.067
1800.	4.829	35.179	4.6691	27.837	45.5611	1.510	1500.1	1780.	0.4589E-06	0.789
2000.	4.087	35.077	3.9179	27.839	45.6392	1.600	1500.2	1976.	0.4456E-06	0.780
2200.	3.600	35.020	3.4184	27.843	45.6959	1.688	1501.5	2173.	0.4345E-06	0.723
2400.	3.320	34.996	3.1242	27.851	45.7357	1.774	1503.6	2369.	0.4272E-06	0.657
2600.	3.111	34.979	2.8992	27.858	45.7668	1.859	1506.1	2566.	0.4228E-06	0.598
2800.	2.937	34.963	2.7081	27.862	45.7923	1.944	1508.7	2762.	0.4212E-06	0.554
3000.	2.820	34.952	2.5733	27.863	45.8095	2.028	1511.6	2958.	0.4242E-06	0.460
3200.	2.717	34.941	2.4518	27.864	45.8243	2.113	1514.6	3153.	0.4275E-06	0.433
3400.	2.640	34.931	2.3550	27.863	45.8349	2.199	1517.7	3349.	0.4335E-06	0.374
3600.	2.581	34.924	2.2751	27.862	45.8445	2.287	1520.8	3544.	0.4400E-06	0.364
3800.	2.538	34.917	2.2117	27.860	45.8511	2.376	1524.1	3740.	0.4480E-06	0.317
4000.	2.502	34.910	2.1536	27.858	45.8570	2.466	1527.3	3935.	0.4561E-06	0.311
4200.	2.477	34.905	2.1058	27.856	45.8620	2.558	1530.7	4129.	0.4654E-06	0.291
4400.	2.458	34.901	2.0643	27.854	45.8664	2.652	1534.1	4324.	0.4747E-06	0.277
4600.	2.450	34.897	2.0315	27.852	45.8699	2.748	1537.5	4519.	0.4845E-06	0.254
4800.	2.453	34.895	2.0101	27.850	45.8718	2.846	1541.0	4713.	0.4959E-06	0.191
5000.	2.466	34.893	1.9977	27.847	45.8727	2.946	1544.5	4907.	0.5083E-06	0.142
5100.	2.476	34.892	1.9942	27.846	45.8729	2.998	1546.3	5004.	0.5148E-06	0.090
5200.	2.486	34.891	1.9917	27.844	45.8728	3.049	1548.0	5101.	0.5218E-06	0.090
5300.	2.498	34.891	1.9896	27.843	45.8729	3.102	1549.8	5198.	0.5288E-06	0.0

DISCOVERY 117 STATION 10274

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.163	36.583	18.1613	26.445	43.0558	0.016	1518.2	10.	0.1577E-05	-9.990
20.	18.165	36.583	18.1620	26.445	43.0554	0.032	1518.4	20.	0.1582E-05	0.0
30.	18.166	36.583	18.1608	26.445	43.0557	0.047	1518.6	30.	0.1585E-05	0.278
50.	18.164	36.581	18.1551	26.444	43.0561	0.079	1518.9	50.	0.1593E-05	0.0
75.	18.167	36.581	18.1539	26.443	43.0565	0.119	1519.3	74.	0.1602E-05	0.249
100.	18.168	36.580	18.1501	26.442	43.0567	0.159	1519.7	99.	0.1612E-05	-0.176
125.	18.174	36.581	18.1525	26.441	43.0574	0.200	1520.2	124.	0.1621E-05	0.305
150.	16.074	36.206	16.0499	26.659	43.4201	0.238	1513.9	149.	0.1419E-05	5.312
200.	14.979	36.042	14.9482	26.781	43.6221	0.306	1511.1	198.	0.1316E-05	2.831
250.	13.881	35.881	13.8452	26.894	43.8181	0.370	1508.3	248.	0.1220E-05	2.743
300.	13.248	35.791	13.2062	26.956	43.9293	0.429	1506.9	298.	0.1172E-05	2.045
400.	12.317	35.672	12.2636	27.051	44.0992	0.543	1505.3	397.	0.1104E-05	1.804
500.	11.645	35.606	11.5797	27.128	44.2328	0.650	1504.6	496.	0.1050E-05	1.649
600.	11.035	35.562	10.9587	27.207	44.3632	0.752	1504.1	595.	0.9935E-06	1.664
700.	10.635	35.599	10.5476	27.309	44.4979	0.848	1504.4	694.	0.9164E-06	1.851
800.	9.926	35.569	9.8299	27.410	44.6592	0.935	1503.5	793.	0.8331E-06	1.896
900.	9.774	35.682	9.6660	27.524	44.7854	1.014	1504.7	892.	0.7455E-06	1.932
1000.	9.572	35.768	9.4532	27.625	44.9036	1.085	1505.7	991.	0.6682E-06	1.835
1200.	8.650	35.728	8.5136	27.745	45.1055	1.207	1505.6	1188.	0.5760E-06	1.512
1400.	6.822	35.454	6.6804	27.802	45.3294	1.315	1501.7	1385.	0.5092E-06	1.328
1600.	5.516	35.269	5.3681	27.827	45.4807	1.413	1499.6	1583.	0.4712E-06	1.078
1800.	4.801	35.172	4.6413	27.835	45.5616	1.506	1499.9	1780.	0.4598E-06	0.794
2000.	4.187	35.090	4.0167	27.838	45.6290	1.597	1500.7	1976.	0.4503E-06	0.741
2200.	3.676	35.028	3.4937	27.842	45.6871	1.686	1501.8	2173.	0.4396E-06	0.723
2400.	3.351	34.996	3.1544	27.848	45.7298	1.773	1503.8	2370.	0.4317E-06	0.660
2600.	3.134	34.978	2.9215	27.855	45.7618	1.859	1506.2	2566.	0.4270E-06	0.601
2800.	2.971	34.964	2.7413	27.859	45.7864	1.944	1508.9	2762.	0.4256E-06	0.543
3000.	2.835	34.952	2.5882	27.862	45.8067	2.030	1511.7	2958.	0.4263E-06	0.497
3200.	2.727	34.941	2.4610	27.863	45.8221	2.115	1514.6	3154.	0.4296E-06	0.442
3400.	2.639	34.931	2.3542	27.862	45.8347	2.201	1517.7	3349.	0.4338E-06	0.410
3600.	2.584	34.923	2.2781	27.861	45.8430	2.289	1520.8	3544.	0.4412E-06	0.341
3800.	2.536	34.916	2.2093	27.859	45.8507	2.378	1524.1	3740.	0.4484E-06	0.335
4000.	2.504	34.910	2.1553	27.857	45.8562	2.468	1527.4	3935.	0.4570E-06	0.291
4200.	2.481	34.905	2.1095	27.856	45.8614	2.561	1530.7	4130.	0.4657E-06	0.291
4400.	2.460	34.900	2.0655	27.854	45.8657	2.655	1534.1	4324.	0.4752E-06	0.269
4600.	2.449	34.896	2.0308	27.851	45.8693	2.751	1537.5	4519.	0.4850E-06	0.246
4800.	2.451	34.894	2.0087	27.850	45.8718	2.849	1540.9	4713.	0.4959E-06	0.211
5000.	2.465	34.893	1.9965	27.847	45.8729	2.949	1544.5	4907.	0.5078E-06	0.156
5100.	2.472	34.892	1.9911	27.846	45.8732	3.000	1546.2	5004.	0.5143E-06	0.090
5200.	2.483	34.891	1.9880	27.845	45.8736	3.052	1548.0	5101.	0.5211E-06	0.156
5300.	2.494	34.890	1.9863	27.843	45.8731	3.104	1549.8	5198.	0.5283E-06	-0.156

DISCOVERY 117 STATION 10275

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.540	36.664	18.5381	26.412	42.9974	0.016	1519.4	10.	0.1609E-05	-9.990
20.	18.530	36.667	18.5261	26.418	43.0038	0.032	1519.5	20.	0.1607E-05	1.335
30.	18.453	36.652	18.4477	26.426	43.0173	0.048	1519.5	30.	0.1604E-05	1.647
50.	18.289	36.610	18.2799	26.435	43.0388	0.080	1519.3	50.	0.1601E-05	1.276
75.	18.208	36.591	18.1951	26.440	43.0510	0.120	1519.4	74.	0.1605E-05	0.898
100.	18.131	36.578	18.1133	26.449	43.0667	0.160	1519.6	99.	0.1605E-05	1.128
125.	17.317	36.424	17.2956	26.532	43.2052	0.200	1517.5	124.	0.1534E-05	3.281
150.	16.222	36.227	16.1980	26.641	43.3917	0.237	1514.4	149.	0.1436E-05	3.771
200.	15.295	36.081	15.2639	26.740	43.5588	0.307	1512.2	198.	0.1355E-05	2.560
250.	14.468	35.954	14.4311	26.825	43.7054	0.373	1510.2	248.	0.1287E-05	2.372
300.	13.626	35.829	13.5829	26.907	43.8526	0.436	1508.2	298.	0.1220E-05	2.356
400.	12.448	35.674	12.3941	27.026	44.0651	0.553	1505.7	397.	0.1127E-05	2.017
500.	11.685	35.588	11.6201	27.107	44.2086	0.663	1504.7	496.	0.1071E-05	1.679
600.	11.054	35.539	10.9775	27.186	44.3410	0.767	1504.1	595.	0.1014E-05	1.671
700.	10.594	35.553	10.5074	27.280	44.4736	0.865	1504.2	694.	0.9427E-06	1.798
800.	10.389	35.650	10.2903	27.392	44.6023	0.955	1505.2	793.	0.8570E-06	1.920
900.	10.117	35.732	10.0074	27.504	44.7363	1.036	1506.0	892.	0.7704E-06	1.930
1000.	9.801	35.787	9.6810	27.601	44.8606	1.109	1506.6	991.	0.6950E-06	1.824
1200.	8.907	35.756	8.7685	27.726	45.0638	1.238	1506.6	1188.	0.6005E-06	1.530
1400.	7.320	35.537	7.1735	27.797	45.2788	1.349	1503.7	1385.	0.5285E-06	1.372
1600.	5.555	35.269	5.4065	27.822	45.4723	1.448	1499.8	1583.	0.4771E-06	1.189
1800.	4.805	35.164	4.6460	27.828	45.5548	1.543	1499.9	1780.	0.4661E-06	0.792
2000.	4.143	35.076	3.9727	27.832	45.6273	1.634	1500.4	1976.	0.4540E-06	0.770
2200.	3.695	35.022	3.5120	27.835	45.6788	1.724	1501.9	2173.	0.4468E-06	0.683
2400.	3.401	34.995	3.2035	27.843	45.7198	1.813	1504.0	2369.	0.4389E-06	0.663
2600.	3.217	34.982	3.0032	27.850	45.7492	1.900	1506.6	2566.	0.4361E-06	0.591
2800.	3.023	34.966	2.7927	27.856	45.7777	1.987	1509.1	2762.	0.4324E-06	0.588
3000.	2.892	34.954	2.6435	27.858	45.7974	2.073	1511.9	2958.	0.4338E-06	0.497
3200.	2.776	34.943	2.5092	27.860	45.8148	2.160	1514.8	3153.	0.4356E-06	0.477
3400.	2.690	34.934	2.4037	27.861	45.8281	2.248	1517.9	3349.	0.4394E-06	0.429
3600.	2.614	34.925	2.3077	27.860	45.8394	2.336	1521.0	3544.	0.4442E-06	0.400
3800.	2.557	34.917	2.2302	27.859	45.8479	2.426	1524.1	3740.	0.4510E-06	0.353
4000.	2.518	34.910	2.1691	27.857	45.8542	2.516	1527.4	3935.	0.4589E-06	0.311
4200.	2.481	34.905	2.1100	27.856	45.8613	2.609	1530.7	4129.	0.4659E-06	0.342
4400.	2.463	34.901	2.0691	27.854	45.8655	2.703	1534.1	4324.	0.4754E-06	0.262
4600.	2.454	34.898	2.0360	27.852	45.8694	2.799	1537.5	4519.	0.4850E-06	0.270
4800.	2.456	34.895	2.0129	27.850	45.8714	2.897	1541.0	4713.	0.4964E-06	0.211
5000.	2.465	34.893	1.9964	27.848	45.8734	2.998	1544.5	4907.	0.5073E-06	0.201
5100.	2.472	34.892	1.9905	27.846	45.8738	3.049	1546.2	5004.	0.5136E-06	0.127
5200.	2.482	34.892	1.9871	27.845	45.8739	3.100	1548.0	5101.	0.5206E-06	0.090
5300.	2.495	34.892	1.9869	27.844	45.8741	3.153	1549.8	5198.	0.5274E-06	0.127

DISCOVERY 117 STATION 10276

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.514	36.674	18.5127	26.427	43.0133	0.016	1519.3	10.	0.1595E-05	-9.990
20.	18.518	36.675	18.5141	26.427	43.0134	0.032	1519.5	20.	0.1599E-05	0.278
30.	18.495	36.668	18.4897	26.427	43.0155	0.048	1519.6	30.	0.1603E-05	0.394
50.	18.227	36.599	18.2179	26.442	43.0500	0.080	1519.1	50.	0.1595E-05	1.624
75.	18.142	36.571	18.1288	26.442	43.0572	0.120	1519.2	74.	0.1604E-05	0.352
100.	18.126	36.571	18.1088	26.446	43.0635	0.160	1519.6	99.	0.1608E-05	0.788
125.	16.845	36.344	16.8239	26.584	43.2900	0.199	1516.0	124.	0.1483E-05	4.235
150.	16.267	36.244	16.2425	26.644	43.3909	0.235	1514.5	149.	0.1434E-05	2.786
200.	15.305	36.090	15.2742	26.745	43.5625	0.305	1512.2	198.	0.1351E-05	2.584
250.	14.354	35.939	14.3165	26.838	43.7272	0.371	1509.8	248.	0.1275E-05	2.493
300.	13.646	35.836	13.6024	26.909	43.8523	0.433	1508.3	298.	0.1219E-05	2.181
400.	12.576	35.692	12.5210	27.015	44.0440	0.551	1506.2	397.	0.1139E-05	1.912
500.	11.750	35.596	11.6840	27.101	44.1978	0.662	1504.9	496.	0.1077E-05	1.736
600.	11.113	35.543	11.0369	27.178	44.3287	0.766	1504.3	595.	0.1021E-05	1.654
700.	10.637	35.564	10.5497	27.281	44.4714	0.864	1504.3	694.	0.9418E-06	1.876
800.	10.555	35.702	10.4553	27.403	44.5994	0.955	1505.9	793.	0.8491E-06	1.985
900.	10.078	35.729	9.9682	27.508	44.7443	1.035	1505.9	892.	0.7653E-06	1.903
1000.	9.505	35.726	9.3867	27.604	44.8889	1.107	1505.4	991.	0.6864E-06	1.854
1200.	8.429	35.664	8.2952	27.730	45.1098	1.233	1504.7	1188.	0.5853E-06	1.557
1400.	6.869	35.458	6.7271	27.798	45.3215	1.343	1501.8	1385.	0.5141E-06	1.355
1600.	5.578	35.277	5.4286	27.826	45.4737	1.442	1499.9	1583.	0.4745E-06	1.092
1800.	4.796	35.166	4.6363	27.831	45.5582	1.536	1499.9	1780.	0.4636E-06	0.794
2000.	4.186	35.084	4.0150	27.833	45.6244	1.627	1500.6	1976.	0.4547E-06	0.728
2200.	3.713	35.029	3.5298	27.839	45.6805	1.717	1502.0	2173.	0.4445E-06	0.723
2400.	3.371	34.995	3.1742	27.846	45.7253	1.805	1503.8	2369.	0.4352E-06	0.684
2600.	3.157	34.979	2.9444	27.853	45.7580	1.891	1506.3	2566.	0.4298E-06	0.614
2800.	2.990	34.964	2.7604	27.857	45.7824	1.977	1509.0	2762.	0.4289E-06	0.532
3000.	2.833	34.950	2.5858	27.860	45.8053	2.063	1511.7	2958.	0.4277E-06	0.528
3200.	2.738	34.941	2.4723	27.862	45.8201	2.148	1514.7	3153.	0.4312E-06	0.438
3400.	2.664	34.932	2.3782	27.861	45.8312	2.235	1517.8	3349.	0.4368E-06	0.385
3600.	2.597	34.923	2.2912	27.860	45.8409	2.323	1520.9	3544.	0.4431E-06	0.369
3800.	2.553	34.916	2.2255	27.859	45.8481	2.412	1524.1	3740.	0.4505E-06	0.335
4000.	2.518	34.911	2.1696	27.857	45.8545	2.503	1527.4	3935.	0.4589E-06	0.311
4200.	2.491	34.905	2.1198	27.855	45.8597	2.596	1530.7	4129.	0.4673E-06	0.291
4400.	2.465	34.901	2.0710	27.854	45.8652	2.690	1534.1	4324.	0.4759E-06	0.305
4600.	2.456	34.897	2.0381	27.851	45.8684	2.786	1537.5	4519.	0.4859E-06	0.238
4800.	2.456	34.894	2.0136	27.849	45.8710	2.885	1541.0	4713.	0.4969E-06	0.229
5000.	2.467	34.892	1.9985	27.847	45.8723	2.985	1544.5	4907.	0.5085E-06	0.180
5100.	2.476	34.893	1.9941	27.846	45.8733	3.036	1546.3	5004.	0.5143E-06	0.180
5200.	2.485	34.892	1.9903	27.845	45.8733	3.088	1548.0	5101.	0.5215E-06	-0.090
5300.	2.494	34.891	1.9863	27.843	45.8735	3.140	1549.8	5198.	0.5278E-06	0.090

DISCOVERY 117 STATION 10277

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.434	36.657	18.4323	26.434	43.0258	0.016	1519.1	10.	0.1588E-05	-9.990
20.	18.422	36.654	18.4186	26.435	43.0278	0.032	1519.2	20.	0.1591E-05	0.557
30.	18.380	36.642	18.3744	26.436	43.0325	0.048	1519.2	30.	0.1594E-05	0.682
50.	18.419	36.650	18.4101	26.432	43.0275	0.080	1519.7	50.	0.1604E-05	-0.653
75.	18.165	36.582	18.1524	26.444	43.0577	0.120	1519.3	74.	0.1601E-05	1.282
100.	18.170	36.584	18.1530	26.445	43.0594	0.160	1519.7	99.	0.1610E-05	0.498
125.	17.483	36.478	17.4617	26.531	43.1933	0.200	1518.0	124.	0.1533E-05	3.375
150.	15.925	36.169	15.9015	26.666	43.4370	0.236	1513.4	149.	0.1413E-05	4.158
200.	14.749	35.994	14.7193	26.795	43.6526	0.304	1510.3	198.	0.1302E-05	2.912
250.	13.939	35.876	13.9025	26.878	43.7978	0.367	1508.4	248.	0.1235E-05	2.359
300.	13.290	35.786	13.2477	26.943	43.9138	0.428	1507.0	298.	0.1184E-05	2.102
400.	12.426	35.675	12.3715	27.031	44.0720	0.543	1505.7	397.	0.1122E-05	1.749
500.	11.703	35.601	11.6373	27.113	44.2135	0.652	1504.8	496.	0.1065E-05	1.691
600.	11.129	35.565	11.0525	27.193	44.3414	0.757	1504.4	595.	0.1008E-05	1.671
700.	10.721	35.578	10.6336	27.277	44.4598	0.854	1504.6	694.	0.9474E-06	1.697
800.	10.024	35.554	9.9278	27.381	44.6230	0.945	1503.8	793.	0.8617E-06	1.925
900.	9.909	35.678	9.8003	27.497	44.7482	1.026	1505.2	892.	0.7723E-06	1.946
1000.	9.773	35.770	9.6532	27.593	44.8546	1.100	1506.5	991.	0.7027E-06	1.774
1200.	9.164	35.834	9.0235	27.745	45.0603	1.228	1507.6	1188.	0.5886E-06	1.638
1400.	6.925	35.474	6.7826	27.803	45.3211	1.337	1502.1	1385.	0.5111E-06	1.403
1600.	5.500	35.263	5.3518	27.824	45.4791	1.436	1499.5	1583.	0.4738E-06	1.074
1800.	4.751	35.163	4.5924	27.834	45.5654	1.529	1499.7	1780.	0.4589E-06	0.831
2000.	4.066	35.071	3.8974	27.836	45.6387	1.620	1500.1	1976.	0.4468E-06	0.762
2200.	3.607	35.016	3.4258	27.840	45.6920	1.708	1501.5	2173.	0.4380E-06	0.698
2400.	3.340	34.991	3.1434	27.846	45.7285	1.795	1503.7	2369.	0.4333E-06	0.623
2600.	3.126	34.976	2.9134	27.855	45.7624	1.881	1506.2	2566.	0.4268E-06	0.627
2800.	2.969	34.962	2.7394	27.858	45.7850	1.967	1508.9	2762.	0.4272E-06	0.520
3000.	2.853	34.952	2.6054	27.860	45.8033	2.052	1511.8	2958.	0.4291E-06	0.481
3200.	2.746	34.941	2.4796	27.861	45.8190	2.138	1514.7	3153.	0.4319E-06	0.447
3400.	2.665	34.933	2.3795	27.862	45.8317	2.225	1517.8	3349.	0.4363E-06	0.415
3600.	2.601	34.923	2.2953	27.860	45.8405	2.313	1520.9	3544.	0.4435E-06	0.341
3800.	2.556	34.917	2.2286	27.859	45.8483	2.403	1524.1	3740.	0.4505E-06	0.341
4000.	2.521	34.911	2.1725	27.857	45.8542	2.493	1527.4	3935.	0.4589E-06	0.304
4200.	2.495	34.907	2.1238	27.856	45.8602	2.586	1530.8	4129.	0.4671E-06	0.311
4400.	2.470	34.902	2.0756	27.854	45.8653	2.680	1534.1	4324.	0.4757E-06	0.291
4600.	2.457	34.898	2.0391	27.852	45.8689	2.776	1537.5	4519.	0.4855E-06	0.254
4800.	2.461	34.896	2.0177	27.850	45.8717	2.874	1541.0	4713.	0.4959E-06	0.220
5000.	2.470	34.894	2.0020	27.848	45.8729	2.975	1544.5	4907.	0.5080E-06	0.142
5100.	2.477	34.893	1.9957	27.846	45.8734	3.026	1546.3	5004.	0.5143E-06	0.156
5200.	2.485	34.892	1.9901	27.845	45.8740	3.078	1548.0	5101.	0.5208E-06	0.127
5300.	2.495	34.892	1.9871	27.844	45.8739	3.130	1549.8	5198.	0.5276E-06	-0.090
5400.	2.507	34.892	1.9851	27.843	45.8742	3.183	1551.6	5295.	0.5341E-06	0.090

DISCOVERY 117 STATION 10278

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.086	36.562	18.0838	26.449	43.0647	0.016	1518.0	10.	0.1574E-05	-9.990
20.	18.088	36.562	18.0841	26.449	43.0646	0.031	1518.1	20.	0.1578E-05	0.0
30.	18.088	36.563	18.0831	26.449	43.0650	0.047	1518.3	30.	0.1582E-05	0.394
50.	18.091	36.563	18.0822	26.448	43.0653	0.079	1518.6	50.	0.1589E-05	0.0
75.	18.100	36.562	18.0872	26.445	43.0636	0.119	1519.1	74.	0.1600E-05	-0.394
100.	18.105	36.563	18.0873	26.444	43.0636	0.159	1519.5	99.	0.1610E-05	0.0
125.	18.097	36.561	18.0755	26.445	43.0665	0.199	1519.9	124.	0.1617E-05	0.498
150.	16.119	36.203	16.0950	26.647	43.4043	0.237	1514.0	149.	0.1431E-05	5.103
200.	15.023	36.035	14.9919	26.766	43.6045	0.305	1511.3	198.	0.1330E-05	2.806
250.	14.113	35.903	14.0768	26.862	43.7684	0.370	1509.0	248.	0.1251E-05	2.515
300.	13.347	35.791	13.3046	26.936	43.9019	0.431	1507.2	298.	0.1192E-05	2.234
400.	12.584	35.694	12.5298	27.015	44.0433	0.547	1506.2	397.	0.1139E-05	1.657
500.	11.869	35.618	11.8026	27.095	44.1825	0.658	1505.4	496.	0.1083E-05	1.677
600.	11.112	35.541	11.0357	27.177	44.3276	0.763	1504.3	595.	0.1023E-05	1.705
700.	10.625	35.549	10.5377	27.272	44.4633	0.862	1504.3	694.	0.9504E-06	1.804
800.	10.213	35.634	10.1158	27.411	44.6356	0.951	1504.6	793.	0.8368E-06	2.153
900.	10.019	35.738	9.9094	27.526	44.7664	1.030	1505.7	892.	0.7479E-06	1.952
1000.	9.726	35.793	9.6059	27.619	44.8845	1.102	1506.3	991.	0.6771E-06	1.783
1200.	8.919	35.783	8.7806	27.745	45.0816	1.228	1506.7	1188.	0.5825E-06	1.529
1400.	6.984	35.480	6.8406	27.799	45.3120	1.336	1502.3	1385.	0.5164E-06	1.331
1600.	5.592	35.282	5.4433	27.827	45.4739	1.434	1499.9	1583.	0.4736E-06	1.119
1800.	4.823	35.172	4.6636	27.832	45.5567	1.527	1500.0	1780.	0.4633E-06	0.787
2000.	4.209	35.088	4.0381	27.834	45.6232	1.619	1500.7	1976.	0.4547E-06	0.730
2200.	3.721	35.026	3.5377	27.836	45.6767	1.709	1502.0	2173.	0.4477E-06	0.683
2400.	3.421	34.999	3.2235	27.844	45.7184	1.798	1504.1	2369.	0.4396E-06	0.666
2600.	3.180	34.981	2.9661	27.853	45.7552	1.885	1506.4	2566.	0.4319E-06	0.655
2800.	2.985	34.963	2.7551	27.857	45.7826	1.971	1508.9	2762.	0.4289E-06	0.568
3000.	2.866	34.952	2.6177	27.859	45.8011	2.057	1511.8	2958.	0.4310E-06	0.485
3200.	2.774	34.943	2.5070	27.860	45.8153	2.143	1514.8	3153.	0.4349E-06	0.433
3400.	2.680	34.933	2.3937	27.861	45.8292	2.230	1517.8	3349.	0.4384E-06	0.429
3600.	2.613	34.925	2.3069	27.860	45.8393	2.319	1521.0	3544.	0.4445E-06	0.374
3800.	2.565	34.918	2.2380	27.859	45.8470	2.408	1524.2	3740.	0.4517E-06	0.335
4000.	2.533	34.912	2.1836	27.857	45.8531	2.499	1527.5	3935.	0.4598E-06	0.304
4200.	2.494	34.906	2.1229	27.855	45.8595	2.592	1530.8	4129.	0.4678E-06	0.330
4400.	2.474	34.902	2.0794	27.854	45.8645	2.686	1534.1	4324.	0.4764E-06	0.291
4600.	2.459	34.898	2.0407	27.852	45.8688	2.783	1537.5	4519.	0.4857E-06	0.277
4800.	2.456	34.895	2.0135	27.850	45.8715	2.881	1541.0	4713.	0.4964E-06	0.229
5000.	2.466	34.893	1.9977	27.848	45.8733	2.981	1544.5	4907.	0.5076E-06	0.191
5100.	2.475	34.893	1.9938	27.846	45.8736	3.032	1546.3	5004.	0.5141E-06	0.127
5200.	2.485	34.892	1.9905	27.845	45.8737	3.084	1548.0	5101.	0.5211E-06	0.0
5300.	2.494	34.892	1.9862	27.844	45.8742	3.136	1549.8	5198.	0.5274E-06	0.127
5400.	2.505	34.892	1.9839	27.843	45.8744	3.189	1551.6	5295.	0.5339E-06	0.0

DISCOVERY 117 STATION 10279

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.076	36.572	18.0745	26.458	43.0744	0.016	1518.0	10.	0.1566E-05	-9.990
20.	18.078	36.572	18.0741	26.458	43.0746	0.031	1518.1	20.	0.1569E-05	0.278
30.	18.078	36.571	18.0729	26.458	43.0746	0.047	1518.3	30.	0.1573E-05	0.0
50.	18.071	36.570	18.0628	26.459	43.0770	0.079	1518.6	50.	0.1579E-05	0.557
75.	18.064	36.568	18.0512	26.458	43.0788	0.118	1519.0	74.	0.1588E-05	0.352
100.	18.064	36.567	18.0471	26.458	43.0796	0.158	1519.4	99.	0.1597E-05	0.249
125.	17.022	36.366	17.0012	26.559	43.2527	0.197	1516.5	124.	0.1508E-05	3.619
150.	16.392	36.262	16.3672	26.628	43.3668	0.234	1514.9	149.	0.1449E-05	3.011
200.	15.338	36.087	15.3071	26.736	43.5513	0.305	1512.3	198.	0.1360E-05	2.664
250.	14.208	35.910	14.1712	26.847	43.7467	0.370	1509.3	248.	0.1266E-05	2.714
300.	13.567	35.823	13.5243	26.915	43.8646	0.432	1508.0	298.	0.1212E-05	2.145
400.	12.718	35.710	12.6629	27.000	44.0184	0.550	1506.7	397.	0.1154E-05	1.717
500.	11.954	35.617	11.8876	27.078	44.1587	0.663	1505.7	496.	0.1100E-05	1.653
600.	11.219	35.549	11.1425	27.163	44.3052	0.769	1504.7	595.	0.1037E-05	1.737
700.	10.696	35.551	10.6084	27.260	44.4458	0.870	1504.5	694.	0.9628E-06	1.823
800.	10.490	35.672	10.3904	27.391	44.5933	0.961	1505.6	793.	0.8591E-06	2.073
900.	10.009	35.725	9.8998	27.517	44.7584	1.042	1505.6	892.	0.7562E-06	2.067
1000.	9.514	35.724	9.3960	27.601	44.8847	1.114	1505.5	991.	0.6899E-06	1.736
1200.	8.450	35.672	8.3160	27.733	45.1107	1.241	1504.8	1188.	0.5832E-06	1.590
1400.	7.280	35.523	7.1340	27.791	45.2775	1.352	1503.5	1385.	0.5323E-06	1.225
1600.	5.543	35.270	5.3943	27.824	45.4754	1.451	1499.7	1583.	0.4750E-06	1.226
1800.	4.798	35.166	4.6387	27.830	45.5574	1.545	1499.9	1780.	0.4640E-06	0.792
2000.	4.159	35.081	3.9889	27.834	45.6274	1.637	1500.5	1976.	0.4531E-06	0.754
2200.	3.666	35.023	3.4842	27.839	45.6854	1.726	1501.8	2173.	0.4417E-06	0.731
2400.	3.344	34.993	3.1475	27.847	45.7295	1.813	1503.7	2369.	0.4321E-06	0.678
2600.	3.163	34.979	2.9503	27.853	45.7572	1.900	1506.3	2566.	0.4303E-06	0.567
2800.	2.980	34.963	2.7500	27.858	45.7839	1.985	1508.9	2762.	0.4279E-06	0.564
3000.	2.844	34.951	2.5965	27.860	45.8038	2.071	1511.7	2958.	0.4286E-06	0.501
3200.	2.745	34.941	2.4787	27.861	45.8188	2.157	1514.7	3153.	0.4321E-06	0.433
3400.	2.661	34.931	2.3749	27.861	45.8315	2.244	1517.7	3349.	0.4366E-06	0.410
3600.	2.597	34.923	2.2908	27.860	45.8412	2.332	1520.9	3544.	0.4428E-06	0.364
3800.	2.538	34.915	2.2110	27.858	45.8495	2.421	1524.1	3740.	0.4496E-06	0.347
4000.	2.507	34.910	2.1584	27.857	45.8559	2.511	1527.4	3935.	0.4575E-06	0.323
4200.	2.478	34.904	2.1069	27.855	45.8613	2.604	1530.7	4129.	0.4661E-06	0.298
4400.	2.459	34.900	2.0652	27.854	45.8659	2.698	1534.1	4324.	0.4752E-06	0.277
4600.	2.449	34.897	2.0311	27.852	45.8698	2.794	1537.5	4519.	0.4845E-06	0.254
4800.	2.452	34.894	2.0090	27.850	45.8719	2.892	1540.9	4713.	0.4959E-06	0.191
5000.	2.466	34.893	1.9976	27.847	45.8730	2.992	1544.5	4907.	0.5078E-06	0.168
5100.	2.473	34.892	1.9916	27.846	45.8736	3.043	1546.3	5004.	0.5141E-06	0.127
5200.	2.483	34.892	1.9880	27.845	45.8739	3.095	1548.0	5101.	0.5208E-06	0.090
5300.	2.495	34.891	1.9867	27.844	45.8738	3.147	1549.8	5198.	0.5276E-06	0.0
5400.	2.507	34.892	1.9859	27.843	45.8741	3.200	1551.6	5295.	0.5343E-06	0.090

DISCOVERY 117 STATION 10280

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.069	36.576	18.0672	26.464	43.0800	0.016	1517.9	10.	0.1560E-05	-9.990
20.	18.072	36.576	18.0684	26.463	43.0798	0.031	1518.1	20.	0.1564E-05	0.0
30.	18.072	36.576	18.0665	26.463	43.0800	0.047	1518.3	30.	0.1568E-05	0.0
50.	18.080	36.576	18.0716	26.461	43.0786	0.078	1518.6	50.	0.1577E-05	-0.394
75.	18.089	36.578	18.0763	26.460	43.0784	0.118	1519.1	74.	0.1586E-05	0.176
100.	18.098	36.579	18.0801	26.459	43.0779	0.158	1519.5	99.	0.1596E-05	-0.176
125.	18.061	36.573	18.0392	26.463	43.0866	0.198	1519.8	124.	0.1600E-05	0.881
150.	16.534	36.280	16.5094	26.609	43.3379	0.236	1515.4	149.	0.1467E-05	4.355
200.	15.792	36.167	15.7599	26.694	43.4772	0.307	1513.8	198.	0.1400E-05	2.374
250.	14.824	36.012	14.7863	26.792	43.6468	0.375	1511.4	248.	0.1320E-05	2.552
300.	14.092	35.900	14.0484	26.864	43.7741	0.440	1509.8	298.	0.1263E-05	2.199
400.	12.707	35.708	12.6521	27.001	44.0204	0.560	1506.7	397.	0.1153E-05	2.171
500.	11.825	35.605	11.7596	27.094	44.1844	0.672	1505.2	496.	0.1084E-05	1.794
600.	11.142	35.544	11.0660	27.174	44.3217	0.777	1504.4	595.	0.1027E-05	1.682
700.	10.566	35.535	10.4797	27.271	44.4677	0.876	1504.0	694.	0.9504E-06	1.843
800.	10.480	35.660	10.3811	27.384	44.5867	0.967	1505.5	793.	0.8664E-06	1.910
900.	9.896	35.678	9.7873	27.500	44.7517	1.048	1505.1	892.	0.7697E-06	2.013
1000.	9.272	35.677	9.1556	27.604	44.9092	1.121	1504.5	991.	0.6817E-06	1.935
1200.	8.842	35.749	8.7045	27.731	45.0746	1.248	1506.4	1188.	0.5940E-06	1.486
1400.	7.261	35.525	7.1146	27.796	45.2835	1.359	1503.4	1385.	0.5276E-06	1.336
1600.	5.640	35.290	5.4900	27.828	45.4696	1.459	1500.1	1583.	0.4750E-06	1.197
1800.	4.808	35.168	4.6484	27.831	45.5569	1.552	1499.9	1780.	0.4643E-06	0.794
2000.	4.155	35.081	3.9843	27.834	45.6281	1.644	1500.5	1976.	0.4526E-06	0.760
2200.	3.684	35.026	3.5013	27.839	45.6841	1.734	1501.8	2173.	0.4419E-06	0.723
2400.	3.350	34.993	3.1530	27.846	45.7281	1.821	1503.8	2369.	0.4333E-06	0.678
2600.	3.184	34.981	2.9701	27.853	45.7545	1.908	1506.4	2566.	0.4321E-06	0.553
2800.	3.006	34.965	2.7761	27.857	45.7805	1.994	1509.0	2762.	0.4305E-06	0.561
3000.	2.863	34.953	2.6154	27.860	45.8017	2.080	1511.8	2958.	0.4303E-06	0.509
3200.	2.754	34.942	2.4874	27.861	45.8179	2.166	1514.7	3153.	0.4328E-06	0.460
3400.	2.674	34.933	2.3882	27.861	45.8298	2.253	1517.8	3349.	0.4380E-06	0.400
3600.	2.610	34.924	2.3040	27.860	45.8392	2.342	1520.9	3544.	0.4445E-06	0.358
3800.	2.566	34.918	2.2388	27.859	45.8472	2.431	1524.2	3740.	0.4515E-06	0.341
4000.	2.525	34.912	2.1761	27.857	45.8539	2.522	1527.4	3935.	0.4591E-06	0.323
4200.	2.490	34.905	2.1189	27.855	45.8599	2.615	1530.7	4129.	0.4673E-06	0.317
4400.	2.467	34.901	2.0727	27.854	45.8654	2.709	1534.1	4324.	0.4757E-06	0.298
4600.	2.458	34.898	2.0400	27.852	45.8692	2.805	1537.5	4519.	0.4852E-06	0.246
4800.	2.456	34.895	2.0130	27.850	45.8714	2.903	1541.0	4713.	0.4964E-06	0.201
5000.	2.466	34.893	1.9978	27.848	45.8731	3.003	1544.5	4907.	0.5078E-06	0.191
5100.	2.473	34.892	1.9918	27.846	45.8736	3.055	1546.3	5004.	0.5141E-06	0.127
5200.	2.483	34.892	1.9887	27.845	45.8737	3.106	1548.0	5101.	0.5208E-06	0.090
5300.	2.495	34.892	1.9869	27.844	45.8740	3.159	1549.8	5198.	0.5276E-06	0.0
5400.	2.508	34.892	1.9866	27.843	45.8739	3.212	1551.6	5295.	0.5343E-06	0.090

DISCOVERY 117 STATION 10281

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.387	36.654	18.3853	26.443	43.0379	0.016	1518.9	10.	0.1580E-05	-9.990
20.	18.387	36.654	18.3836	26.443	43.0385	0.032	1519.1	20.	0.1583E-05	0.394
30.	18.390	36.653	18.3847	26.442	43.0379	0.047	1519.3	30.	0.1588E-05	-0.394
50.	18.394	36.654	18.3849	26.442	43.0386	0.079	1519.6	50.	0.1595E-05	0.341
75.	18.436	36.664	18.4225	26.439	43.0342	0.119	1520.2	74.	0.1606E-05	-0.498
100.	18.282	36.616	18.2640	26.441	43.0478	0.160	1520.1	99.	0.1613E-05	0.610
125.	18.033	36.549	18.0113	26.452	43.0774	0.200	1519.7	124.	0.1611E-05	1.294
150.	17.606	36.465	17.5803	26.493	43.1486	0.240	1518.8	149.	0.1580E-05	2.331
200.	16.301	36.244	16.2685	26.636	43.3831	0.316	1515.5	198.	0.1457E-05	3.060
250.	15.214	36.059	15.1755	26.742	43.5683	0.386	1512.7	248.	0.1369E-05	2.653
300.	14.377	35.934	14.3320	26.829	43.7191	0.453	1510.7	298.	0.1297E-05	2.431
400.	12.794	35.717	12.7391	26.991	44.0029	0.575	1507.0	397.	0.1163E-05	2.342
500.	11.892	35.609	11.8261	27.084	44.1696	0.688	1505.4	496.	0.1094E-05	1.804
600.	11.186	35.546	11.1098	27.167	44.3116	0.794	1504.6	595.	0.1033E-05	1.710
700.	10.758	35.566	10.6699	27.261	44.4415	0.894	1504.8	694.	0.9628E-06	1.791
800.	10.111	35.557	10.0138	27.369	44.6035	0.985	1504.1	793.	0.8747E-06	1.939
900.	9.540	35.575	9.4343	27.480	44.7625	1.068	1503.7	892.	0.7828E-06	1.966
1000.	9.359	35.663	9.2414	27.579	44.8775	1.143	1504.8	991.	0.7069E-06	1.818
1200.	8.054	35.565	7.9230	27.710	45.1238	1.271	1503.2	1188.	0.5946E-06	1.611
1400.	6.913	35.456	6.7709	27.790	45.3100	1.382	1502.0	1385.	0.5225E-06	1.355
1600.	5.707	35.285	5.5564	27.816	45.4516	1.483	1500.4	1583.	0.4885E-06	1.050
1800.	4.815	35.169	4.6550	27.831	45.5567	1.578	1500.0	1780.	0.4640E-06	0.931
2000.	4.172	35.080	4.0020	27.832	45.6244	1.670	1500.6	1976.	0.4554E-06	0.728
2200.	3.679	35.023	3.4961	27.838	45.6833	1.759	1501.8	2173.	0.4431E-06	0.739
2400.	3.395	35.000	3.1979	27.848	45.7247	1.847	1504.0	2369.	0.4347E-06	0.669
2600.	3.171	34.979	2.9577	27.853	45.7560	1.933	1506.4	2566.	0.4312E-06	0.588
2800.	2.974	34.962	2.7448	27.857	45.7841	2.019	1508.9	2762.	0.4279E-06	0.578
3000.	2.841	34.950	2.5933	27.860	45.8043	2.105	1511.7	2958.	0.4286E-06	0.501
3200.	2.738	34.940	2.4721	27.861	45.8196	2.191	1514.7	3153.	0.4317E-06	0.442
3400.	2.674	34.932	2.3884	27.860	45.8294	2.278	1517.8	3349.	0.4382E-06	0.363
3600.	2.601	34.924	2.2952	27.860	45.8406	2.366	1520.9	3544.	0.4433E-06	0.395
3800.	2.556	34.917	2.2286	27.859	45.8485	2.455	1524.1	3740.	0.4503E-06	0.341
4000.	2.515	34.911	2.1662	27.857	45.8550	2.546	1527.4	3935.	0.4582E-06	0.323
4200.	2.484	34.905	2.1132	27.855	45.8605	2.639	1530.7	4129.	0.4668E-06	0.298
4400.	2.464	34.901	2.0702	27.854	45.8658	2.733	1534.1	4324.	0.4752E-06	0.298
4600.	2.456	34.898	2.0381	27.852	45.8689	2.829	1537.5	4519.	0.4855E-06	0.229
4800.	2.459	34.896	2.0158	27.850	45.8716	2.927	1541.0	4713.	0.4964E-06	0.229
5000.	2.470	34.894	2.0012	27.848	45.8730	3.027	1544.5	4907.	0.5078E-06	0.156
5100.	2.475	34.894	1.9939	27.847	45.8741	3.078	1546.3	5004.	0.5136E-06	0.180
5200.	2.484	34.893	1.9898	27.846	45.8744	3.130	1548.0	5101.	0.5204E-06	0.090
5300.	2.496	34.892	1.9878	27.844	45.8744	3.182	1549.8	5198.	0.5274E-06	0.0
5400.	2.506	34.892	1.9848	27.843	45.8746	3.235	1551.6	5295.	0.5339E-06	0.090

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DISCOVERY 117 STATION 10282

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.319	36.632	18.3171	26.444	43.0434	0.016	1518.7	10.	0.1579E-05	-9.990
20.	18.330	36.632	18.3268	26.441	43.0405	0.032	1518.9	20.	0.1585E-05	-0.880
30.	18.322	36.631	18.3169	26.442	43.0424	0.047	1519.1	30.	0.1588E-05	0.623
50.	18.318	36.630	18.3096	26.442	43.0440	0.079	1519.4	50.	0.1594E-05	0.440
75.	18.297	36.627	18.2841	26.446	43.0503	0.119	1519.7	74.	0.1600E-05	0.807
100.	18.265	36.620	18.2476	26.448	43.0564	0.159	1520.0	99.	0.1606E-05	0.682
125.	18.194	36.601	18.1724	26.451	43.0654	0.200	1520.2	124.	0.1612E-05	0.747
150.	16.849	36.345	16.8238	26.584	43.2908	0.239	1516.4	149.	0.1491E-05	4.162
200.	15.604	36.132	15.5723	26.710	43.5063	0.311	1513.2	198.	0.1385E-05	2.874
250.	14.635	35.977	14.5974	26.806	43.6746	0.378	1510.8	248.	0.1306E-05	2.533
300.	13.971	35.881	13.9272	26.875	43.7947	0.442	1509.4	298.	0.1252E-05	2.163
400.	12.717	35.711	12.6617	27.002	44.0199	0.563	1506.7	397.	0.1152E-05	2.082
500.	11.862	35.606	11.7962	27.087	44.1751	0.674	1505.3	496.	0.1091E-05	1.732
600.	11.140	35.543	11.0638	27.173	44.3217	0.780	1504.4	595.	0.1027E-05	1.742
700.	10.547	35.540	10.4608	27.279	44.4763	0.879	1504.0	694.	0.9432E-06	1.905
800.	10.407	35.669	10.3087	27.404	44.6121	0.969	1505.3	793.	0.8466E-06	2.014
900.	9.335	35.572	9.2299	27.512	44.8116	1.049	1503.0	892.	0.7490E-06	2.015
1000.	9.060	35.636	8.9453	27.607	44.9303	1.120	1503.7	991.	0.6747E-06	1.796
1200.	8.498	35.692	8.3633	27.741	45.1142	1.245	1505.0	1188.	0.5767E-06	1.538
1400.	7.189	35.501	7.0436	27.787	45.2813	1.356	1503.1	1385.	0.5341E-06	1.169
1600.	5.611	35.284	5.4614	27.827	45.4715	1.456	1500.0	1583.	0.4747E-06	1.239
1800.	4.778	35.163	4.6184	27.830	45.5595	1.550	1499.8	1780.	0.4631E-06	0.802
2000.	4.171	35.081	4.0004	27.833	45.6252	1.641	1500.6	1976.	0.4545E-06	0.725
2200.	3.697	35.029	3.5143	27.841	45.6842	1.731	1501.9	2173.	0.4412E-06	0.755
2400.	3.383	34.998	3.1855	27.848	45.7259	1.818	1503.9	2369.	0.4338E-06	0.657
2600.	3.138	34.977	2.9255	27.854	45.7608	1.904	1506.2	2566.	0.4277E-06	0.630
2800.	2.957	34.962	2.7277	27.859	45.7871	1.990	1508.8	2762.	0.4254E-06	0.557
3000.	2.835	34.950	2.5878	27.861	45.8055	2.075	1511.7	2958.	0.4275E-06	0.472
3200.	2.744	34.941	2.4776	27.861	45.8190	2.161	1514.7	3153.	0.4321E-06	0.419
3400.	2.676	34.932	2.3901	27.860	45.8292	2.248	1517.8	3349.	0.4384E-06	0.369
3600.	2.619	34.925	2.3128	27.860	45.8384	2.336	1521.0	3544.	0.4452E-06	0.358
3800.	2.562	34.918	2.2347	27.859	45.8480	2.426	1524.2	3740.	0.4508E-06	0.380
4000.	2.525	34.911	2.1755	27.857	45.8539	2.517	1527.4	3935.	0.4591E-06	0.297
4200.	2.496	34.906	2.1247	27.855	45.8593	2.610	1530.8	4129.	0.4678E-06	0.298
4400.	2.469	34.901	2.0747	27.853	45.8647	2.704	1534.1	4324.	0.4764E-06	0.311
4600.	2.454	34.897	2.0358	27.851	45.8686	2.800	1537.5	4519.	0.4855E-06	0.262
4800.	2.453	34.895	2.0107	27.850	45.8718	2.898	1541.0	4713.	0.4962E-06	0.246
5000.	2.465	34.893	1.9967	27.847	45.8729	2.999	1544.5	4907.	0.5078E-06	0.156
5100.	2.470	34.892	1.9890	27.846	45.8736	3.050	1546.2	5004.	0.5139E-06	0.156

DISCOVERY 117 STATION 10283

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.066	36.574	18.0640	26.463	43.0793	0.016	1517.9	10.	0.1561E-05	-9.990
20.	18.069	36.574	18.0658	26.462	43.0789	0.031	1518.1	20.	0.1565E-05	-0.394
30.	18.069	36.574	18.0639	26.462	43.0793	0.047	1518.3	30.	0.1569E-05	0.0
50.	18.071	36.574	18.0623	26.461	43.0797	0.078	1518.6	50.	0.1576E-05	0.197
75.	18.082	36.575	18.0690	26.459	43.0784	0.118	1519.1	74.	0.1587E-05	-0.352
100.	18.094	36.578	18.0762	26.459	43.0790	0.158	1519.5	99.	0.1595E-05	0.394
125.	17.279	36.456	17.2583	26.565	43.2402	0.197	1517.4	124.	0.1502E-05	3.712
150.	15.927	36.169	15.9031	26.665	43.4362	0.233	1513.4	149.	0.1413E-05	3.607
200.	14.776	35.997	14.7457	26.791	43.6472	0.301	1510.4	198.	0.1306E-05	2.877
250.	14.038	35.896	14.0010	26.872	43.7845	0.365	1508.8	248.	0.1241E-05	2.326
300.	13.359	35.799	13.3168	26.940	43.9048	0.425	1507.3	298.	0.1188E-05	2.135
400.	12.302	35.662	12.2485	27.045	44.0954	0.540	1505.2	397.	0.1109E-05	1.906
500.	11.649	35.586	11.5837	27.112	44.2171	0.649	1504.6	496.	0.1065E-05	1.539
600.	11.160	35.565	11.0835	27.187	44.3327	0.753	1504.5	595.	0.1014E-05	1.607
700.	10.616	35.565	10.5289	27.285	44.4770	0.851	1504.3	694.	0.9381E-06	1.843
800.	10.250	35.628	10.1521	27.399	44.6214	0.940	1504.7	793.	0.8482E-06	1.957
900.	9.745	35.657	9.6379	27.510	44.7738	1.020	1504.6	892.	0.7586E-06	1.950
1000.	9.672	35.767	9.5523	27.608	44.8778	1.092	1506.1	991.	0.6866E-06	1.790
1200.	8.674	35.727	8.5380	27.741	45.0988	1.218	1505.7	1188.	0.5809E-06	1.587
1400.	7.185	35.524	7.0399	27.805	45.2996	1.329	1503.2	1385.	0.5164E-06	1.321
1600.	5.489	35.261	5.3408	27.824	45.4804	1.427	1499.5	1583.	0.4733E-06	1.121
1800.	4.832	35.175	4.6717	27.834	45.5579	1.521	1500.1	1780.	0.4619E-06	0.797
2000.	4.174	35.087	4.0031	27.837	45.6290	1.612	1500.6	1976.	0.4510E-06	0.757
2200.	3.643	35.023	3.4607	27.841	45.6896	1.701	1501.7	2173.	0.4384E-06	0.742
2400.	3.353	34.995	3.1568	27.847	45.7286	1.788	1503.8	2369.	0.4324E-06	0.636
2600.	3.156	34.978	2.9427	27.853	45.7580	1.874	1506.3	2566.	0.4300E-06	0.581
2800.	2.969	34.962	2.7390	27.858	45.7850	1.959	1508.9	2762.	0.4272E-06	0.564
3000.	2.830	34.950	2.5828	27.861	45.8058	2.045	1511.7	2958.	0.4272E-06	0.513
3200.	2.730	34.939	2.4643	27.861	45.8206	2.130	1514.6	3153.	0.4307E-06	0.442
3400.	2.647	34.930	2.3612	27.861	45.8328	2.217	1517.7	3349.	0.4356E-06	0.400
3600.	2.595	34.923	2.2889	27.860	45.8416	2.305	1520.9	3544.	0.4424E-06	0.364
3800.	2.550	34.916	2.2234	27.859	45.8486	2.394	1524.1	3740.	0.4501E-06	0.317
4000.	2.514	34.910	2.1650	27.857	45.8550	2.485	1527.4	3935.	0.4582E-06	0.311
4200.	2.488	34.906	2.1165	27.856	45.8604	2.577	1530.7	4130.	0.4668E-06	0.298
4400.	2.464	34.901	2.0697	27.854	45.8655	2.672	1534.1	4324.	0.4754E-06	0.298
4600.	2.452	34.897	2.0338	27.852	45.8693	2.768	1537.5	4519.	0.4850E-06	0.262
4800.	2.456	34.895	2.0128	27.850	45.8717	2.866	1541.0	4713.	0.4962E-06	0.220
5000.	2.469	34.893	2.0003	27.848	45.8728	2.966	1544.5	4907.	0.5080E-06	0.156
5100.	2.477	34.893	1.9953	27.846	45.8731	3.017	1546.3	5004.	0.5146E-06	0.090
5200.	2.486	34.892	1.9914	27.845	45.8737	3.069	1548.0	5101.	0.5213E-06	0.127
5300.	2.495	34.891	1.9868	27.844	45.8737	3.121	1549.8	5198.	0.5278E-06	0.090

DISCOVERY 117 STATION 10284

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.430	36.712	18.4283	26.477	43.0681	0.015	1519.1	10.	0.1547E-05	-9.990
20.	18.432	36.712	18.4288	26.477	43.0676	0.031	1519.3	20.	0.1552E-05	-0.394
30.	18.434	36.712	18.4288	26.476	43.0678	0.046	1519.5	30.	0.1556E-05	0.278
50.	18.438	36.712	18.4291	26.475	43.0675	0.078	1519.8	50.	0.1563E-05	-0.197
75.	18.441	36.712	18.4278	26.474	43.0679	0.117	1520.2	74.	0.1573E-05	0.176
100.	18.445	36.712	18.4273	26.474	43.0683	0.156	1520.7	99.	0.1583E-05	0.176
125.	18.450	36.712	18.4278	26.472	43.0680	0.196	1521.1	124.	0.1593E-05	0.0
150.	18.418	36.702	18.3914	26.473	43.0720	0.236	1521.4	149.	0.1601E-05	0.432
200.	16.452	36.277	16.4190	26.626	43.3623	0.313	1515.9	198.	0.1467E-05	3.187
250.	15.446	36.107	15.4069	26.727	43.5367	0.385	1513.5	248.	0.1384E-05	2.597
300.	14.437	35.952	14.3919	26.830	43.7154	0.452	1511.0	298.	0.1296E-05	2.633
400.	12.993	35.746	12.9368	26.973	43.9700	0.575	1507.7	397.	0.1181E-05	2.205
500.	12.042	35.627	11.9753	27.069	44.1431	0.689	1506.0	496.	0.1109E-05	1.836
600.	11.355	35.559	11.2780	27.146	44.2774	0.797	1505.2	595.	0.1054E-05	1.654

DISCOVERY 117 STATION 10285

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.412	36.705	18.4107	26.476	43.0678	0.015	1519.1	10.	0.1549E-05	-9.990
20.	18.409	36.703	18.4051	26.476	43.0686	0.031	1519.2	20.	0.1552E-05	0.394
30.	18.400	36.701	18.3945	26.476	43.0701	0.047	1519.4	30.	0.1555E-05	0.482
50.	18.369	36.694	18.3599	26.479	43.0760	0.078	1519.6	50.	0.1560E-05	0.763
75.	18.364	36.692	18.3506	26.479	43.0775	0.117	1520.0	74.	0.1569E-05	0.305
100.	18.361	36.695	18.3438	26.482	43.0818	0.156	1520.4	99.	0.1575E-05	0.705
125.	18.365	36.703	18.3429	26.486	43.0877	0.195	1520.8	124.	0.1579E-05	0.863
150.	17.409	36.494	17.3834	26.564	43.2309	0.235	1518.2	149.	0.1512E-05	3.186
200.	15.953	36.193	15.9211	26.677	43.4486	0.308	1514.3	198.	0.1417E-05	2.750
250.	14.929	36.031	14.8913	26.783	43.6303	0.376	1511.8	248.	0.1328E-05	2.653
300.	13.993	35.888	13.9492	26.876	43.7932	0.441	1509.4	298.	0.1252E-05	2.491
400.	12.623	35.701	12.5679	27.013	44.0379	0.560	1506.4	397.	0.1141E-05	2.162
500.	11.820	35.606	11.7546	27.095	44.1860	0.672	1505.2	496.	0.1083E-05	1.698
600.	11.170	35.547	11.0931	27.171	44.3171	0.777	1504.5	595.	0.1029E-05	1.645
700.	10.712	35.559	10.6249	27.263	44.4477	0.877	1504.6	694.	0.9600E-06	1.778
800.	10.168	35.579	10.0712	27.375	44.6048	0.969	1504.3	793.	0.8696E-06	1.961
900.	9.566	35.568	9.4600	27.470	44.7507	1.052	1503.8	892.	0.7926E-06	1.836
1000.	9.076	35.610	8.9612	27.584	44.9066	1.127	1503.7	991.	0.6969E-06	1.993
1200.	8.227	35.609	8.0952	27.718	45.1158	1.254	1503.9	1188.	0.5919E-06	1.571
1400.	6.806	35.442	6.6645	27.794	45.3238	1.364	1501.6	1385.	0.5155E-06	1.382
1600.	5.543	35.270	5.3946	27.824	45.4754	1.463	1499.7	1583.	0.4750E-06	1.098
1800.	4.784	35.163	4.6252	27.829	45.5579	1.557	1499.8	1780.	0.4643E-06	0.787
2000.	4.164	35.083	3.9940	27.835	45.6280	1.649	1500.5	1976.	0.4522E-06	0.767
2200.	3.706	35.028	3.5231	27.839	45.6816	1.738	1501.9	2173.	0.4435E-06	0.701
2400.	3.415	35.002	3.2169	27.847	45.7221	1.826	1504.0	2369.	0.4363E-06	0.657
2600.	3.187	34.981	2.9732	27.852	45.7540	1.913	1506.4	2566.	0.4326E-06	0.595
2800.	3.004	34.965	2.7735	27.857	45.7810	1.999	1509.0	2762.	0.4300E-06	0.571
3000.	2.853	34.951	2.6053	27.860	45.8028	2.085	1511.8	2958.	0.4298E-06	0.517
3200.	2.749	34.941	2.4831	27.861	45.8184	2.171	1514.7	3153.	0.4328E-06	0.447
3400.	2.677	34.932	2.3911	27.860	45.8289	2.258	1517.8	3349.	0.4387E-06	0.379
3600.	2.602	34.924	2.2961	27.860	45.8406	2.346	1520.9	3544.	0.4433E-06	0.405
3800.	2.557	34.917	2.2297	27.859	45.8477	2.436	1524.1	3740.	0.4512E-06	0.317
4000.	2.519	34.911	2.1700	27.857	45.8544	2.526	1527.4	3935.	0.4589E-06	0.317
4200.	2.492	34.906	2.1205	27.855	45.8596	2.619	1530.7	4129.	0.4675E-06	0.291
4400.	2.474	34.902	2.0796	27.854	45.8645	2.713	1534.1	4324.	0.4764E-06	0.298
4600.	2.455	34.898	2.0364	27.852	45.8695	2.809	1537.5	4519.	0.4848E-06	0.298
4800.	2.445	34.895	2.0027	27.851	45.8735	2.907	1540.9	4713.	0.4943E-06	0.277

DISCOVERY 117 STATION 10286

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.456	36.716	18.4544	26.473	43.0622	0.016	1519.2	10.	0.1551E-05	-9.990
20.	18.453	36.716	18.4492	26.474	43.0640	0.031	1519.4	20.	0.1554E-05	0.682
30.	18.451	36.716	18.4458	26.475	43.0650	0.047	1519.5	30.	0.1557E-05	0.482
50.	18.449	36.716	18.4406	26.475	43.0666	0.078	1519.9	50.	0.1564E-05	0.440
75.	18.442	36.715	18.4286	26.476	43.0699	0.117	1520.2	74.	0.1571E-05	0.557
100.	18.443	36.714	18.4254	26.476	43.0703	0.156	1520.7	99.	0.1581E-05	0.176
125.	18.447	36.714	18.4253	26.475	43.0705	0.196	1521.1	124.	0.1590E-05	0.249
150.	18.443	36.712	18.4163	26.474	43.0717	0.236	1521.5	149.	0.1600E-05	0.305
200.	16.629	36.325	16.5957	26.621	43.3453	0.314	1516.5	198.	0.1472E-05	3.123
250.	15.642	36.147	15.6022	26.713	43.5090	0.385	1514.1	248.	0.1398E-05	2.477
300.	14.670	35.991	14.6248	26.809	43.6773	0.453	1511.7	298.	0.1318E-05	2.540
400.	13.153	35.771	13.0963	26.960	43.9448	0.578	1508.2	397.	0.1195E-05	2.268
500.	12.039	35.627	11.9721	27.069	44.1434	0.693	1506.0	496.	0.1109E-05	1.954
600.	11.306	35.555	11.2288	27.152	44.2875	0.801	1505.0	595.	0.1048E-05	1.717
700.	10.571	35.509	10.4846	27.250	44.4466	0.902	1504.0	694.	0.9704E-06	1.855
800.	10.066	35.539	9.9690	27.362	44.6009	0.995	1503.9	793.	0.8803E-06	1.959
900.	9.566	35.580	9.4598	27.479	44.7598	1.078	1503.8	892.	0.7837E-06	2.005
1000.	8.963	35.577	8.8489	27.577	44.9092	1.152	1503.3	991.	0.7018E-06	1.869
1200.	8.007	35.559	7.8770	27.712	45.1302	1.279	1503.0	1188.	0.5914E-06	1.595
1400.	7.268	35.521	7.1219	27.792	45.2790	1.391	1503.5	1385.	0.5316E-06	1.278
1600.	5.551	35.275	5.4024	27.827	45.4778	1.491	1499.8	1583.	0.4719E-06	1.241
1800.	4.854	35.176	4.6934	27.832	45.5535	1.585	1500.1	1780.	0.4650E-06	0.754
2000.	4.191	35.085	4.0201	27.833	45.6239	1.677	1500.7	1976.	0.4550E-06	0.746
2200.	3.710	35.024	3.5271	27.836	45.6778	1.767	1501.9	2173.	0.4470E-06	0.692
2400.	3.413	34.998	3.2157	27.844	45.7197	1.856	1504.0	2369.	0.4387E-06	0.678
2600.	3.170	34.978	2.9567	27.852	45.7553	1.942	1506.4	2566.	0.4319E-06	0.637
2800.	2.992	34.964	2.7619	27.857	45.7821	2.028	1509.0	2762.	0.4293E-06	0.568
3000.	2.862	34.954	2.6137	27.861	45.8028	2.114	1511.8	2958.	0.4291E-06	0.513
3200.	2.736	34.940	2.4698	27.862	45.8203	2.200	1514.7	3153.	0.4310E-06	0.473
3400.	2.659	34.932	2.3735	27.861	45.8319	2.287	1517.7	3349.	0.4361E-06	0.400
3600.	2.602	34.924	2.2957	27.860	45.8405	2.375	1520.9	3544.	0.4435E-06	0.335
3800.	2.552	34.917	2.2249	27.859	45.8486	2.464	1524.1	3740.	0.4503E-06	0.353
4000.	2.510	34.911	2.1616	27.858	45.8562	2.555	1527.4	3935.	0.4570E-06	0.335
4200.	2.483	34.906	2.1117	27.856	45.8614	2.647	1530.7	4129.	0.4657E-06	0.298
4400.	2.467	34.901	2.0723	27.854	45.8652	2.742	1534.1	4324.	0.4757E-06	0.254
4600.	2.457	34.898	2.0392	27.852	45.8688	2.838	1537.5	4519.	0.4857E-06	0.238
4800.	2.459	34.895	2.0158	27.850	45.8712	2.936	1541.0	4713.	0.4966E-06	0.201
5000.	2.468	34.894	1.9998	27.848	45.8730	3.036	1544.5	4907.	0.5080E-06	0.180
5100.	2.477	34.893	1.9952	27.847	45.8735	3.087	1546.3	5004.	0.5143E-06	0.156
5200.	2.486	34.892	1.9912	27.845	45.8738	3.139	1548.0	5101.	0.5208E-06	0.127
5300.	2.495	34.891	1.9870	27.844	45.8738	3.192	1549.8	5198.	0.5278E-06	0.0
5400.	2.508	34.892	1.9863	27.843	45.8742	3.245	1551.6	5295.	0.5341E-06	0.156

DISCOVERY 117 STATION 10287

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.481	36.724	18.4791	26.474	43.0608	0.015	1519.3	10.	0.1551E-05	-9.990
20.	18.485	36.725	18.4818	26.473	43.0603	0.031	1519.5	20.	0.1555E-05	-0.278
30.	18.486	36.724	18.4808	26.472	43.0604	0.047	1519.6	30.	0.1559E-05	-0.278
50.	18.475	36.723	18.4661	26.475	43.0643	0.078	1519.9	50.	0.1564E-05	0.682
75.	18.464	36.722	18.4505	26.476	43.0680	0.117	1520.3	74.	0.1571E-05	0.584
100.	18.467	36.721	18.4492	26.475	43.0681	0.156	1520.7	99.	0.1581E-05	0.0
125.	18.472	36.722	18.4496	26.474	43.0682	0.196	1521.2	124.	0.1591E-05	0.176
150.	18.475	36.722	18.4488	26.473	43.0685	0.236	1521.6	149.	0.1601E-05	0.176
200.	16.852	36.372	16.8189	26.604	43.3124	0.314	1517.3	198.	0.1489E-05	2.949
250.	15.734	36.181	15.6943	26.719	43.5073	0.387	1514.5	248.	0.1393E-05	2.762
300.	14.684	35.998	14.6382	26.812	43.6790	0.454	1511.8	298.	0.1315E-05	2.518
400.	13.388	35.802	13.3315	26.936	43.9026	0.581	1509.0	397.	0.1219E-05	2.057
500.	12.316	35.660	12.2483	27.041	44.0937	0.699	1506.9	496.	0.1138E-05	1.923
600.	11.440	35.566	11.3625	27.136	44.2604	0.808	1505.5	595.	0.1065E-05	1.831
700.	10.643	35.515	10.5558	27.242	44.4330	0.911	1504.3	694.	0.9786E-06	1.940
800.	10.101	35.529	10.0041	27.348	44.5842	1.004	1504.0	793.	0.8943E-06	1.912
900.	9.621	35.570	9.5142	27.463	44.7391	1.089	1504.0	892.	0.8000E-06	1.984
1000.	9.142	35.601	9.0266	27.566	44.8837	1.165	1504.0	991.	0.7146E-06	1.906
1200.	8.411	35.637	8.2769	27.711	45.0937	1.295	1504.6	1188.	0.6019E-06	1.615
1400.	7.363	35.545	7.2157	27.797	45.2752	1.408	1503.9	1385.	0.5297E-06	1.366
1600.	5.595	35.280	5.4454	27.825	45.4718	1.508	1499.9	1583.	0.4754E-06	1.207
1800.	4.833	35.174	4.6727	27.833	45.5566	1.602	1500.1	1780.	0.4631E-06	0.812
2000.	4.180	35.085	4.0091	27.834	45.6261	1.694	1500.6	1976.	0.4536E-06	0.741
2200.	3.731	35.031	3.5476	27.839	45.6791	1.784	1502.0	2173.	0.4449E-06	0.701
2400.	3.384	34.995	3.1873	27.845	45.7229	1.872	1503.9	2369.	0.4368E-06	0.669
2600.	3.153	34.977	2.9397	27.852	45.7574	1.958	1506.3	2566.	0.4305E-06	0.627
2800.	2.976	34.962	2.7461	27.857	45.7840	2.044	1508.9	2762.	0.4279E-06	0.564
3000.	2.846	34.951	2.5985	27.860	45.8039	2.130	1511.7	2958.	0.4286E-06	0.497
3200.	2.749	34.941	2.4831	27.861	45.8184	2.216	1514.7	3153.	0.4326E-06	0.429
3400.	2.666	34.932	2.3800	27.861	45.8309	2.303	1517.8	3349.	0.4370E-06	0.415
3600.	2.608	34.924	2.3019	27.860	45.8399	2.391	1520.9	3544.	0.4438E-06	0.352
3800.	2.561	34.918	2.2339	27.859	45.8475	2.480	1524.2	3740.	0.4510E-06	0.335
4000.	2.525	34.911	2.1762	27.857	45.8537	2.571	1527.4	3935.	0.4594E-06	0.311
4200.	2.495	34.906	2.1238	27.855	45.8595	2.664	1530.8	4129.	0.4678E-06	0.317
4400.	2.475	34.902	2.0804	27.854	45.8644	2.758	1534.1	4324.	0.4766E-06	0.284
4600.	2.464	34.898	2.0457	27.852	45.8681	2.855	1537.5	4519.	0.4862E-06	0.262
4800.	2.459	34.895	2.0161	27.850	45.8714	2.953	1541.0	4713.	0.4966E-06	0.238
5000.	2.469	34.893	2.0001	27.847	45.8728	3.053	1544.5	4907.	0.5080E-06	0.168
5100.	2.474	34.893	1.9931	27.846	45.8736	3.104	1546.3	5004.	0.5141E-06	0.156
5200.	2.483	34.892	1.9880	27.845	45.8739	3.156	1548.0	5101.	0.5208E-06	0.0
5300.	2.493	34.892	1.9854	27.844	45.8742	3.209	1549.8	5198.	0.5271E-06	0.090
5400.	2.505	34.891	1.9836	27.843	45.8742	3.262	1551.6	5295.	0.5341E-06	-0.090

DISCOVERY 117 STATION 10288

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.341	36.714	18.3397	26.501	43.0968	0.015	1518.9	10.	0.1525E-05	-9.990
20.	18.319	36.727	18.3153	26.517	43.1146	0.030	1519.0	20.	0.1513E-05	2.279
30.	18.315	36.728	18.3093	26.519	43.1173	0.046	1519.1	30.	0.1515E-05	0.835
50.	18.316	36.730	18.3073	26.519	43.1188	0.076	1519.5	50.	0.1522E-05	0.482
75.	18.314	36.730	18.3004	26.520	43.1211	0.114	1519.9	74.	0.1529E-05	0.466
100.	18.317	36.729	18.2998	26.519	43.1211	0.152	1520.3	99.	0.1539E-05	0.0
125.	18.318	36.728	18.2960	26.518	43.1212	0.191	1520.7	124.	0.1549E-05	0.0
150.	18.277	36.718	18.2502	26.520	43.1280	0.230	1521.0	149.	0.1555E-05	0.705
200.	16.577	36.353	16.5440	26.655	43.3817	0.304	1516.4	198.	0.1440E-05	2.985
250.	15.273	36.085	15.2347	26.748	43.5703	0.374	1512.9	248.	0.1363E-05	2.509
300.	14.435	35.961	14.3903	26.837	43.7222	0.440	1511.0	298.	0.1290E-05	2.447
400.	12.917	35.736	12.8611	26.980	43.9833	0.563	1507.4	397.	0.1174E-05	2.216
500.	12.007	35.625	11.9406	27.074	44.1504	0.677	1505.8	496.	0.1105E-05	1.807
600.	11.240	35.551	11.1633	27.161	44.3015	0.784	1504.8	595.	0.1039E-05	1.759
700.	10.672	35.533	10.5848	27.251	44.4387	0.885	1504.4	694.	0.9714E-06	1.767
800.	10.107	35.562	10.0105	27.373	44.6078	0.976	1504.1	793.	0.8708E-06	2.043
900.	9.508	35.557	9.4023	27.471	44.7574	1.059	1503.6	892.	0.7898E-06	1.868
1000.	9.056	35.576	8.9407	27.561	44.8857	1.135	1503.6	991.	0.7185E-06	1.774
1200.	8.283	35.608	8.1502	27.709	45.1022	1.266	1504.1	1188.	0.6014E-06	1.634
1400.	7.125	35.491	6.9801	27.789	45.2890	1.379	1502.9	1385.	0.5304E-06	1.353
1600.	5.743	35.302	5.5922	27.824	45.4567	1.480	1500.6	1583.	0.4815E-06	1.167
1800.	4.839	35.174	4.6794	27.832	45.5549	1.574	1500.1	1780.	0.4643E-06	0.861
2000.	4.243	35.096	4.0712	27.837	45.6223	1.666	1500.9	1976.	0.4540E-06	0.752
2200.	3.791	35.046	3.6064	27.845	45.6784	1.755	1502.3	2173.	0.4428E-06	0.731
2400.	3.422	35.003	3.2238	27.847	45.7217	1.843	1504.1	2370.	0.4366E-06	0.645
2600.	3.175	34.981	2.9614	27.853	45.7563	1.930	1506.4	2566.	0.4310E-06	0.624
2800.	2.975	34.962	2.7454	27.857	45.7840	2.016	1508.9	2762.	0.4279E-06	0.568
3000.	2.828	34.948	2.5805	27.860	45.8052	2.101	1511.7	2958.	0.4279E-06	0.517
3200.	2.728	34.938	2.4618	27.861	45.8201	2.187	1514.6	3153.	0.4317E-06	0.442
3400.	2.649	34.929	2.3640	27.860	45.8319	2.274	1517.7	3349.	0.4363E-06	0.400
3600.	2.587	34.921	2.2813	27.859	45.8413	2.362	1520.8	3544.	0.4426E-06	0.364
3800.	2.542	34.914	2.2148	27.858	45.8486	2.451	1524.1	3740.	0.4503E-06	0.329
4000.	2.509	34.909	2.1603	27.857	45.8551	2.542	1527.4	3935.	0.4582E-06	0.317
4200.	2.490	34.905	2.1188	27.855	45.8594	2.634	1530.7	4130.	0.4678E-06	0.262
4400.	2.470	34.900	2.0751	27.853	45.8642	2.729	1534.1	4324.	0.4766E-06	0.284
4600.	2.453	34.896	2.0346	27.851	45.8684	2.825	1537.5	4519.	0.4857E-06	0.270
4800.	2.453	34.894	2.0107	27.849	45.8710	2.923	1541.0	4713.	0.4966E-06	0.220
5000.	2.465	34.892	1.9968	27.847	45.8723	3.024	1544.5	4907.	0.5085E-06	0.156
5100.	2.473	34.891	1.9920	27.845	45.8728	3.075	1546.3	5004.	0.5148E-06	0.156
5200.	2.484	34.891	1.9890	27.844	45.8729	3.127	1548.0	5101.	0.5215E-06	0.0
5300.	2.494	34.890	1.9861	27.843	45.8730	3.179	1549.8	5198.	0.5283E-06	0.0

DISCOVERY 117 STATION 10289

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.183	36.619	18.1817	26.468	43.0761	0.016	1518.3	10.	0.1556E-05	-9.990
20.	18.177	36.619	18.1738	26.470	43.0786	0.031	1518.5	20.	0.1558E-05	0.787
30.	18.166	36.620	18.1612	26.473	43.0834	0.047	1518.6	30.	0.1559E-05	1.148
50.	18.153	36.619	18.1442	26.475	43.0874	0.078	1518.9	50.	0.1563E-05	0.682
75.	18.154	36.619	18.1405	26.476	43.0892	0.117	1519.3	74.	0.1571E-05	0.466
100.	18.253	36.681	18.2358	26.498	43.1050	0.156	1520.1	99.	0.1559E-05	1.717
125.	17.858	36.598	17.8360	26.533	43.1678	0.195	1519.3	124.	0.1534E-05	2.165
150.	16.553	36.294	16.5288	26.615	43.3422	0.233	1515.4	149.	0.1462E-05	3.292
200.	15.621	36.144	15.5892	26.715	43.5103	0.303	1513.2	198.	0.1380E-05	2.572
250.	14.574	35.971	14.5362	26.815	43.6881	0.370	1510.6	248.	0.1297E-05	2.579
300.	13.774	35.856	13.7304	26.897	43.8311	0.434	1508.7	298.	0.1230E-05	2.343
400.	12.515	35.688	12.4606	27.024	44.0575	0.551	1506.0	397.	0.1130E-05	2.086
500.	11.746	35.597	11.6802	27.102	44.1996	0.661	1504.9	496.	0.1075E-05	1.665
600.	11.111	35.551	11.0347	27.185	44.3350	0.765	1504.3	595.	0.1015E-05	1.701
700.	10.577	35.553	10.4907	27.283	44.4783	0.863	1504.1	694.	0.9390E-06	1.841
800.	10.251	35.636	10.1536	27.405	44.6269	0.952	1504.7	793.	0.8428E-06	2.014
900.	9.836	35.683	9.7279	27.514	44.7707	1.032	1504.9	892.	0.7558E-06	1.930
1000.	9.469	35.691	9.3507	27.583	44.8713	1.105	1505.3	991.	0.7059E-06	1.563
1200.	9.203	35.829	9.0622	27.734	45.0466	1.235	1507.8	1188.	0.5993E-06	1.594
1400.	7.376	35.556	7.2288	27.804	45.2804	1.346	1503.9	1385.	0.5239E-06	1.399
1600.	5.563	35.277	5.4140	27.827	45.4762	1.445	1499.8	1583.	0.4729E-06	1.184
1800.	4.779	35.163	4.6202	27.830	45.5592	1.538	1499.8	1780.	0.4633E-06	0.782
2000.	4.115	35.073	3.9458	27.832	45.6300	1.629	1500.3	1976.	0.4529E-06	0.752
2200.	3.637	35.016	3.4555	27.837	45.6861	1.719	1501.6	2173.	0.4424E-06	0.720
2400.	3.352	34.994	3.1558	27.847	45.7281	1.806	1503.8	2369.	0.4331E-06	0.678
2600.	3.122	34.974	2.9099	27.853	45.7609	1.892	1506.1	2566.	0.4284E-06	0.608
2800.	2.972	34.962	2.7422	27.857	45.7845	1.978	1508.9	2762.	0.4275E-06	0.532
3000.	2.827	34.949	2.5796	27.860	45.8060	2.063	1511.7	2958.	0.4272E-06	0.521
3200.	2.733	34.940	2.4668	27.861	45.8202	2.149	1514.6	3153.	0.4310E-06	0.429
3400.	2.666	34.932	2.3798	27.861	45.8306	2.236	1517.8	3349.	0.4373E-06	0.369
3600.	2.601	34.924	2.2949	27.860	45.8409	2.324	1520.9	3544.	0.4431E-06	0.385
3800.	2.562	34.918	2.2348	27.859	45.8475	2.413	1524.2	3740.	0.4512E-06	0.310
4000.	2.527	34.912	2.1775	27.857	45.8539	2.504	1527.5	3935.	0.4594E-06	0.311
4200.	2.493	34.905	2.1214	27.855	45.8594	2.597	1530.7	4129.	0.4678E-06	0.304
4400.	2.468	34.901	2.0740	27.854	45.8651	2.691	1534.1	4324.	0.4759E-06	0.305
4600.	2.460	34.898	2.0417	27.852	45.8687	2.787	1537.5	4519.	0.4855E-06	0.246
4800.	2.459	34.895	2.0163	27.850	45.8710	2.886	1541.0	4713.	0.4969E-06	0.211
5000.	2.469	34.893	2.0010	27.847	45.8727	2.986	1544.5	4907.	0.5080E-06	0.168
5100.	2.477	34.893	1.9957	27.846	45.8732	3.037	1546.3	5004.	0.5146E-06	0.156
5200.	2.486	34.892	1.9913	27.845	45.8735	3.089	1548.0	5101.	0.5211E-06	0.156
5300.	2.495	34.892	1.9869	27.844	45.8744	3.141	1549.8	5198.	0.5271E-06	0.156
5400.	2.506	34.891	1.9847	27.843	45.8742	3.194	1551.6	5295.	0.5341E-06	0.0

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DISCOVERY 117 STATION 10290

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	18.078	36.632	18.0761	26.504	43.1185	0.015	1518.0	10.	0.1522E-05	-9.990
20.	18.083	36.632	18.0792	26.503	43.1175	0.030	1518.2	20.	0.1526E-05	-0.278
30.	18.085	36.631	18.0798	26.502	43.1172	0.046	1518.4	30.	0.1531E-05	-0.394
50.	18.091	36.631	18.0818	26.501	43.1164	0.076	1518.7	50.	0.1539E-05	-0.278
75.	18.093	36.631	18.0795	26.500	43.1166	0.115	1519.1	74.	0.1548E-05	-0.176
100.	18.096	36.630	18.0781	26.498	43.1166	0.154	1519.6	99.	0.1559E-05	-0.176
125.	18.096	36.629	18.0746	26.497	43.1170	0.193	1520.0	124.	0.1568E-05	0.176
150.	18.099	36.628	18.0728	26.496	43.1167	0.232	1520.4	149.	0.1578E-05	-0.176
200.	16.133	36.223	16.1013	26.658	43.4172	0.307	1514.9	198.	0.1436E-05	3.276
250.	15.239	36.077	15.2003	26.750	43.5746	0.377	1512.8	248.	0.1361E-05	2.471
300.	14.408	35.953	14.3628	26.837	43.7240	0.443	1510.9	298.	0.1290E-05	2.418
400.	13.140	35.767	13.0838	26.959	43.9453	0.567	1508.2	397.	0.1195E-05	2.053
500.	12.244	35.653	12.1771	27.050	44.1079	0.683	1506.7	496.	0.1129E-05	1.776
600.	11.341	35.557	11.2639	27.147	44.2799	0.792	1505.1	595.	0.1053E-05	1.858
700.	10.760	35.541	10.6723	27.241	44.4221	0.894	1504.7	694.	0.9814E-06	1.806
800.	10.384	35.601	10.2858	27.355	44.5667	0.988	1505.1	793.	0.8920E-06	1.953
900.	9.816	35.629	9.7077	27.475	44.7346	1.072	1504.8	892.	0.7919E-06	2.040
1000.	9.616	35.715	9.4973	27.577	44.8528	1.147	1505.8	990.	0.7143E-06	1.839
1200.	8.819	35.736	8.6814	27.725	45.0705	1.277	1506.3	1188.	0.5993E-06	1.635
1400.	7.366	35.547	7.2183	27.798	45.2759	1.389	1503.9	1385.	0.5288E-06	1.362
1600.	5.293	35.214	5.1474	27.811	45.4864	1.489	1498.6	1583.	0.4782E-06	1.177
1800.	4.902	35.173	4.7415	27.824	45.5411	1.584	1500.3	1779.	0.4743E-06	0.711
2000.	4.030	35.051	3.8615	27.823	45.6303	1.677	1499.9	1976.	0.4566E-06	0.824
2200.	3.503	34.985	3.3238	27.825	45.6882	1.768	1501.0	2173.	0.4461E-06	0.709
2400.	3.309	34.979	3.1136	27.839	45.7253	1.856	1503.6	2369.	0.4373E-06	0.669
2600.	3.081	34.965	2.8696	27.850	45.7620	1.943	1506.0	2566.	0.4286E-06	0.658
2800.	2.967	34.961	2.7380	27.857	45.7847	2.028	1508.9	2762.	0.4275E-06	0.543
3000.	2.835	34.949	2.5879	27.860	45.8044	2.114	1511.7	2958.	0.4284E-06	0.497
3200.	2.740	34.940	2.4737	27.861	45.8191	2.200	1514.7	3153.	0.4321E-06	0.438
3400.	2.671	34.931	2.3850	27.860	45.8293	2.287	1517.8	3349.	0.4382E-06	0.374
3600.	2.612	34.924	2.3057	27.860	45.8390	2.375	1521.0	3544.	0.4447E-06	0.364
3800.	2.565	34.918	2.2373	27.858	45.8469	2.465	1524.2	3739.	0.4519E-06	0.347
4000.	2.529	34.911	2.1794	27.857	45.8530	2.556	1527.5	3934.	0.4603E-06	0.304
4200.	2.493	34.905	2.1221	27.855	45.8592	2.649	1530.8	4129.	0.4678E-06	0.317
4400.	2.467	34.900	2.0727	27.853	45.8647	2.743	1534.1	4324.	0.4764E-06	0.305
4600.	2.459	34.897	2.0411	27.851	45.8681	2.839	1537.5	4518.	0.4862E-06	0.238
4800.	2.463	34.895	2.0201	27.849	45.8704	2.938	1541.0	4713.	0.4973E-06	0.211
5000.	2.476	34.894	2.0072	27.847	45.8717	3.038	1544.5	4907.	0.5094E-06	0.156
5100.	2.483	34.893	2.0009	27.846	45.8723	3.090	1546.3	5004.	0.5153E-06	0.156
5200.	2.493	34.893	1.9979	27.845	45.8726	3.141	1548.1	5101.	0.5220E-06	0.090
5300.	2.504	34.892	1.9954	27.843	45.8727	3.194	1549.9	5198.	0.5288E-06	0.090

DISCOVERY 117 STATION 10291

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	17.378	36.417	17.3764	26.512	43.1756	0.015	1515.7	10.	0.1515E-05	-9.990
20.	17.375	36.417	17.3718	26.513	43.1770	0.030	1515.9	20.	0.1517E-05	0.623
30.	17.372	36.417	17.3673	26.514	43.1787	0.045	1516.0	30.	0.1520E-05	0.623
50.	17.365	36.418	17.3563	26.516	43.1828	0.076	1516.4	50.	0.1524E-05	0.737
75.	17.359	36.419	17.3461	26.518	43.1865	0.114	1516.8	74.	0.1530E-05	0.635
100.	17.361	36.419	17.3439	26.518	43.1876	0.152	1517.2	99.	0.1539E-05	0.305
125.	15.767	36.129	15.7471	26.671	43.4527	0.189	1512.4	124.	0.1399E-05	4.450
150.	15.289	36.056	15.2658	26.723	43.5402	0.223	1511.3	149.	0.1356E-05	2.620
200.	14.521	35.950	14.4915	26.811	43.6856	0.289	1509.6	198.	0.1286E-05	2.407
250.	13.723	35.843	13.6872	26.898	43.8338	0.352	1507.7	248.	0.1216E-05	2.408
300.	13.129	35.763	13.0865	26.959	43.9416	0.411	1506.5	298.	0.1169E-05	2.030
400.	12.252	35.651	12.1986	27.046	44.1006	0.524	1505.1	397.	0.1107E-05	1.740
500.	11.448	35.558	11.3839	27.128	44.2490	0.632	1503.8	496.	0.1048E-05	1.693
600.	10.794	35.509	10.7189	27.210	44.3858	0.734	1503.2	595.	0.9881E-06	1.692
700.	10.235	35.498	10.1501	27.301	44.5243	0.830	1502.8	694.	0.9183E-06	1.780
800.	9.707	35.526	9.6121	27.413	44.6809	0.917	1502.6	793.	0.8272E-06	1.963
900.	9.389	35.602	9.2841	27.526	44.8207	0.995	1503.2	892.	0.7364E-06	1.952
1000.	9.078	35.656	8.9628	27.620	44.9409	1.064	1503.8	990.	0.6638E-06	1.785
1200.	8.576	35.709	8.4404	27.742	45.1085	1.188	1505.3	1188.	0.5777E-06	1.473
1400.	6.722	35.440	6.5818	27.804	45.3409	1.297	1501.3	1385.	0.5043E-06	1.368
1600.	5.292	35.226	5.1463	27.820	45.4951	1.394	1498.6	1582.	0.4701E-06	1.040
1800.	4.559	35.126	4.4029	27.826	45.5768	1.487	1498.9	1779.	0.4582E-06	0.789
2000.	3.965	35.045	3.7977	27.826	45.6390	1.578	1499.7	1976.	0.4515E-06	0.694
2200.	3.572	35.002	3.3916	27.832	45.6880	1.668	1501.3	2173.	0.4435E-06	0.686
2400.	3.286	34.982	3.0905	27.843	45.7316	1.755	1503.5	2369.	0.4324E-06	0.698
2600.	3.093	34.966	2.8813	27.850	45.7608	1.841	1506.0	2565.	0.4293E-06	0.581
2800.	2.920	34.954	2.6910	27.856	45.7886	1.927	1508.7	2761.	0.4254E-06	0.585
3000.	2.811	34.946	2.5642	27.859	45.8067	2.012	1511.6	2957.	0.4270E-06	0.481
3200.	2.721	34.938	2.4557	27.861	45.8210	2.097	1514.6	3153.	0.4307E-06	0.438
3400.	2.656	34.930	2.3707	27.861	45.8313	2.184	1517.7	3349.	0.4368E-06	0.369
3600.	2.596	34.922	2.2902	27.860	45.8407	2.272	1520.9	3544.	0.4433E-06	0.364
3800.	2.545	34.915	2.2185	27.858	45.8486	2.361	1524.1	3739.	0.4503E-06	0.347
4000.	2.507	34.909	2.1582	27.857	45.8556	2.452	1527.4	3934.	0.4577E-06	0.329
4200.	2.485	34.904	2.1136	27.855	45.8600	2.545	1530.7	4129.	0.4673E-06	0.269
4400.	2.468	34.900	2.0738	27.853	45.8644	2.639	1534.1	4324.	0.4766E-06	0.269
4600.	2.463	34.897	2.0446	27.851	45.8676	2.735	1537.5	4518.	0.4866E-06	0.238
4800.	2.470	34.896	2.0269	27.849	45.8695	2.834	1541.0	4712.	0.4983E-06	0.191
5000.	2.483	34.894	2.0141	27.847	45.8708	2.935	1544.6	4907.	0.5104E-06	0.156
5100.	2.489	34.893	2.0068	27.846	45.8714	2.986	1546.3	5004.	0.5164E-06	0.156
5200.	2.499	34.893	2.0041	27.844	45.8716	3.038	1548.1	5101.	0.5229E-06	0.127
5300.	2.511	34.893	2.0023	27.843	45.8719	3.090	1549.9	5197.	0.5297E-06	0.090

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DISCOVERY 117 STATION 10292

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	16.512	36.316	16.5105	26.642	43.3640	0.014	1513.0	10.	0.1391E-05	-9.990
20.	16.515	36.316	16.5115	26.641	43.3640	0.028	1513.2	20.	0.1394E-05	0.0
30.	16.516	36.317	16.5108	26.642	43.3646	0.042	1513.4	30.	0.1398E-05	0.394
50.	16.522	36.317	16.5136	26.640	43.3641	0.070	1513.7	50.	0.1405E-05	-0.278
75.	16.524	36.317	16.5120	26.640	43.3645	0.105	1514.1	74.	0.1414E-05	0.249
100.	16.534	36.319	16.5176	26.639	43.3641	0.141	1514.6	99.	0.1423E-05	0.0
125.	16.538	36.319	16.5176	26.638	43.3640	0.176	1515.0	124.	0.1432E-05	0.0
150.	16.486	36.311	16.4620	26.644	43.3753	0.212	1515.3	149.	0.1434E-05	0.965
200.	14.643	35.973	14.6131	26.802	43.6678	0.280	1510.0	198.	0.1295E-05	3.223
250.	13.826	35.855	13.7898	26.886	43.8140	0.342	1508.0	248.	0.1227E-05	2.369
300.	13.039	35.753	12.9974	26.969	43.9588	0.402	1506.2	298.	0.1159E-05	2.369
400.	12.185	35.646	12.1314	27.056	44.1153	0.514	1504.8	397.	0.1098E-05	1.733
500.	11.478	35.578	11.4132	27.138	44.2557	0.621	1504.0	496.	0.1040E-05	1.689
600.	10.926	35.541	10.8508	27.211	44.3758	0.723	1503.7	595.	0.9888E-06	1.604
700.	10.598	35.580	10.5108	27.300	44.4932	0.819	1504.2	694.	0.9234E-06	1.738
800.	10.179	35.653	10.0812	27.431	44.6582	0.906	1504.5	793.	0.8170E-06	2.094
900.	9.816	35.712	9.7083	27.540	44.7971	0.983	1504.9	891.	0.7313E-06	1.922
1000.	9.787	35.827	9.6669	27.635	44.8944	1.052	1506.6	990.	0.6636E-06	1.754
1200.	9.352	35.889	9.2094	27.757	45.0555	1.177	1508.4	1188.	0.5823E-06	1.461
1400.	6.846	35.453	6.7039	27.797	45.3228	1.286	1501.8	1385.	0.5141E-06	1.346
1600.	5.689	35.287	5.5391	27.819	45.4570	1.386	1500.3	1582.	0.4841E-06	1.016
1800.	4.832	35.167	4.6722	27.827	45.5511	1.481	1500.0	1779.	0.4682E-06	0.850
2000.	4.257	35.095	4.0851	27.835	45.6186	1.574	1500.9	1976.	0.4568E-06	0.762
2200.	3.817	35.046	3.6323	27.842	45.6735	1.664	1502.4	2173.	0.4463E-06	0.726
2400.	3.475	35.010	3.2761	27.847	45.7165	1.753	1504.3	2369.	0.4394E-06	0.657
2600.	3.185	34.980	2.9713	27.851	45.7534	1.840	1506.4	2565.	0.4331E-06	0.630
2800.	2.985	34.961	2.7555	27.855	45.7812	1.926	1508.9	2761.	0.4303E-06	0.575
3000.	2.867	34.951	2.6187	27.858	45.8000	2.012	1511.8	2957.	0.4319E-06	0.493
3200.	2.760	34.942	2.4935	27.860	45.8167	2.098	1514.8	3153.	0.4340E-06	0.469
3400.	2.682	34.932	2.3958	27.860	45.8282	2.186	1517.8	3348.	0.4391E-06	0.390
3600.	2.627	34.925	2.3199	27.859	45.8370	2.274	1521.0	3544.	0.4461E-06	0.358
3800.	2.576	34.918	2.2488	27.858	45.8454	2.364	1524.2	3739.	0.4531E-06	0.353
4000.	2.530	34.911	2.1810	27.856	45.8524	2.455	1527.5	3934.	0.4605E-06	0.323
4200.	2.497	34.906	2.1259	27.855	45.8586	2.548	1530.8	4129.	0.4687E-06	0.311
4400.	2.469	34.900	2.0744	27.853	45.8643	2.643	1534.1	4323.	0.4768E-06	0.305
4600.	2.463	34.897	2.0443	27.851	45.8675	2.739	1537.5	4518.	0.4866E-06	0.238
4800.	2.471	34.895	2.0278	27.849	45.8692	2.837	1541.0	4712.	0.4985E-06	0.168
5000.	2.487	34.894	2.0183	27.846	45.8696	2.938	1544.6	4906.	0.5115E-06	0.110
5100.	2.499	34.894	2.0169	27.845	45.8698	2.990	1546.4	5003.	0.5180E-06	0.090
5200.	2.512	34.894	2.0169	27.844	45.8699	3.042	1548.2	5100.	0.5250E-06	0.090
5300.	2.526	34.893	2.0167	27.843	45.8697	3.095	1550.0	5197.	0.5323E-06	-0.090
5400.	2.539	34.893	2.0166	27.841	45.8696	3.148	1551.8	5294.	0.5395E-06	0.0
5500.	2.553	34.894	2.0166	27.840	45.8699	3.203	1553.6	5391.	0.5460E-06	0.090

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DISCOVERY 117 STATION 10293

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	16.116	36.222	16.1142	26.662	43.4133	0.014	1511.7	10.	0.1371E-05	-9.990
20.	16.116	36.223	16.1126	26.663	43.4139	0.027	1511.9	20.	0.1374E-05	0.394
30.	16.116	36.222	16.1114	26.662	43.4136	0.041	1512.0	30.	0.1378E-05	-0.278
50.	16.119	36.223	16.1111	26.662	43.4144	0.069	1512.4	50.	0.1385E-05	0.341
75.	16.032	36.204	16.0201	26.667	43.4274	0.104	1512.5	74.	0.1387E-05	0.932
100.	15.866	36.166	15.8503	26.676	43.4496	0.138	1512.4	99.	0.1386E-05	1.142
125.	14.882	36.017	14.8631	26.783	43.6280	0.172	1509.5	124.	0.1291E-05	3.725
150.	14.231	35.914	14.2086	26.845	43.7391	0.204	1507.8	149.	0.1239E-05	2.847
200.	13.591	35.827	13.5624	26.913	43.8569	0.264	1506.4	198.	0.1187E-05	2.130
250.	12.983	35.747	12.9487	26.976	43.9680	0.322	1505.1	248.	0.1138E-05	2.052
300.	12.469	35.682	12.4282	27.028	44.0615	0.378	1504.2	298.	0.1100E-05	1.879
400.	11.718	35.592	11.6654	27.103	44.1994	0.485	1503.2	397.	0.1049E-05	1.620
500.	11.133	35.537	11.0694	27.170	44.3159	0.588	1502.7	496.	0.1006E-05	1.529
600.	10.903	35.573	10.8275	27.240	44.4061	0.686	1503.6	595.	0.9609E-06	1.537
700.	10.692	35.634	10.6042	27.326	44.5097	0.780	1504.6	694.	0.9011E-06	1.686
800.	10.659	35.787	10.5589	27.451	44.6367	0.865	1506.3	793.	0.8063E-06	2.006
900.	10.260	35.823	10.1494	27.550	44.7687	0.942	1506.6	891.	0.7299E-06	1.838
1000.	9.999	35.878	9.8773	27.638	44.8795	1.012	1507.4	990.	0.6645E-06	1.736
1200.	9.315	35.892	9.1731	27.765	45.0669	1.135	1508.3	1188.	0.5735E-06	1.520
1400.	7.143	35.523	6.9980	27.811	45.3086	1.242	1503.0	1385.	0.5104E-06	1.319
1600.	5.625	35.291	5.4752	27.830	45.4736	1.340	1500.1	1582.	0.4719E-06	1.087
1800.	4.976	35.208	4.8144	27.843	45.5523	1.433	1500.7	1779.	0.4594E-06	0.812
2000.	4.116	35.078	3.9460	27.836	45.6343	1.524	1500.3	1976.	0.4487E-06	0.760
2200.	3.527	35.000	3.3471	27.835	45.6949	1.613	1501.1	2172.	0.4387E-06	0.709
2400.	3.292	34.984	3.0969	27.845	45.7320	1.700	1503.5	2369.	0.4317E-06	0.645
2600.	3.079	34.966	2.8671	27.851	45.7637	1.785	1506.0	2565.	0.4270E-06	0.605
2800.	2.922	34.956	2.6934	27.857	45.7894	1.870	1508.7	2761.	0.4245E-06	0.564
3000.	2.804	34.946	2.5572	27.860	45.8081	1.955	1511.6	2957.	0.4256E-06	0.489
3200.	2.720	34.938	2.4545	27.861	45.8211	2.041	1514.6	3152.	0.4305E-06	0.414
3400.	2.651	34.930	2.3657	27.861	45.8320	2.127	1517.7	3348.	0.4361E-06	0.385
3600.	2.586	34.922	2.2802	27.860	45.8418	2.215	1520.8	3543.	0.4421E-06	0.369
3800.	2.548	34.916	2.2209	27.858	45.8485	2.305	1524.1	3738.	0.4505E-06	0.310
4000.	2.507	34.909	2.1587	27.857	45.8554	2.395	1527.4	3933.	0.4580E-06	0.335
4200.	2.474	34.903	2.1032	27.855	45.8613	2.488	1530.7	4128.	0.4659E-06	0.311
4400.	2.459	34.899	2.0647	27.853	45.8654	2.582	1534.1	4323.	0.4754E-06	0.262
4600.	2.458	34.897	2.0397	27.851	45.8680	2.678	1537.5	4517.	0.4864E-06	0.220
4800.	2.468	34.895	2.0251	27.849	45.8696	2.776	1541.0	4712.	0.4983E-06	0.168
5000.	2.487	34.894	2.0180	27.847	45.8701	2.877	1544.6	4906.	0.5111E-06	0.090
5100.	2.499	34.894	2.0163	27.845	45.8702	2.929	1546.4	5003.	0.5178E-06	0.090
5200.	2.510	34.894	2.0149	27.844	45.8702	2.981	1548.2	5100.	0.5248E-06	0.090
5300.	2.523	34.893	2.0141	27.843	45.8702	3.034	1549.9	5197.	0.5316E-06	0.0
5400.	2.537	34.893	2.0139	27.841	45.8701	3.087	1551.7	5293.	0.5388E-06	-0.090
5500.	2.550	34.893	2.0137	27.840	45.8701	3.141	1553.5	5390.	0.5458E-06	0.090
5600.	2.564	34.893	2.0133	27.839	45.8703	3.196	1555.3	5487.	0.5525E-06	0.0

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DISCOVERY 117 STATION 10294

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG4000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-C/H
10.	15.262	36.069	15.2603	26.739	43.5509	0.013	1508.9	10.	0.1299E-05	-9.990
20.	15.265	36.069	15.2619	26.738	43.5505	0.026	1509.1	20.	0.1302E-05	-0.278
30.	15.264	36.069	15.2598	26.738	43.5513	0.039	1509.2	30.	0.1306E-05	0.394
50.	15.267	36.069	15.2589	26.738	43.5515	0.065	1509.6	50.	0.1312E-05	0.197
75.	15.271	36.068	15.2594	26.736	43.5508	0.098	1510.0	74.	0.1321E-05	-0.305
100.	15.230	36.062	15.2141	26.741	43.5597	0.131	1510.3	99.	0.1324E-05	0.863
125.	14.140	35.903	14.1214	26.857	43.7561	0.163	1507.0	124.	0.1220E-05	3.865
150.	13.732	35.860	13.7102	26.909	43.8399	0.193	1506.1	149.	0.1177E-05	2.614
200.	12.873	35.736	12.8455	26.990	43.9881	0.250	1503.9	198.	0.1112E-05	2.315
250.	12.427	35.683	12.3937	27.037	44.0720	0.305	1503.2	248.	0.1078E-05	1.798
300.	12.051	35.636	12.0112	27.074	44.1398	0.358	1502.7	298.	0.1054E-05	1.583
400.	11.565	35.583	11.5129	27.126	44.2334	0.462	1502.6	397.	0.1027E-05	1.347
500.	11.145	35.548	11.0818	27.176	44.3208	0.563	1502.8	496.	0.1000E-05	1.336
600.	10.979	35.590	10.9029	27.239	44.3988	0.662	1503.9	595.	0.9628E-06	1.456
700.	11.021	35.722	10.9320	27.335	44.4907	0.754	1505.9	694.	0.8973E-06	1.749
800.	11.294	35.925	11.1901	27.443	44.5759	0.841	1508.7	792.	0.8233E-06	1.829
900.	10.886	35.935	10.7708	27.526	44.6933	0.919	1509.0	891.	0.7628E-06	1.704
1000.	10.690	35.974	10.5634	27.591	44.7763	0.994	1510.0	990.	0.7211E-06	1.502
1200.	9.678	35.926	9.5332	27.731	45.0029	1.127	1509.6	1188.	0.6133E-06	1.618
1400.	7.776	35.625	7.6243	27.799	45.2401	1.243	1505.5	1385.	0.5395E-06	1.399
1600.	5.931	35.327	5.7782	27.820	45.4351	1.345	1501.3	1582.	0.4915E-06	1.172
1800.	5.128	35.216	4.9643	27.832	45.5270	1.442	1501.3	1779.	0.4759E-06	0.861
2000.	4.495	35.132	4.3195	27.838	45.5985	1.536	1502.0	1976.	0.4645E-06	0.777
2200.	3.951	35.065	3.7643	27.843	45.6612	1.627	1503.0	2172.	0.4522E-06	0.758
2400.	3.581	35.023	3.3806	27.848	45.7064	1.717	1504.8	2369.	0.4449E-06	0.672
2600.	3.211	34.978	2.9965	27.848	45.7474	1.805	1506.5	2565.	0.4377E-06	0.640
2800.	3.021	34.961	2.7902	27.852	45.7748	1.892	1509.1	2761.	0.4352E-06	0.564
3000.	2.879	34.951	2.6310	27.857	45.7973	1.979	1511.9	2957.	0.4342E-06	0.532
3200.	2.763	34.941	2.4961	27.860	45.8156	2.066	1514.8	3152.	0.4352E-06	0.485
3400.	2.707	34.935	2.4205	27.860	45.8256	2.153	1518.0	3348.	0.4412E-06	0.374
3600.	2.649	34.928	2.3420	27.859	45.8348	2.242	1521.1	3543.	0.4480E-06	0.358
3800.	2.613	34.922	2.2844	27.858	45.8412	2.333	1524.4	3738.	0.4568E-06	0.297
4000.	2.579	34.916	2.2281	27.856	45.8474	2.425	1527.7	3933.	0.4652E-06	0.311
4200.	2.544	34.910	2.1709	27.854	45.8535	2.519	1531.0	4128.	0.4733E-06	0.317
4400.	2.510	34.905	2.1147	27.853	45.8605	2.614	1534.3	4322.	0.4806E-06	0.342
4600.	2.506	34.902	2.0858	27.851	45.8633	2.711	1537.7	4517.	0.4913E-06	0.220
4800.	2.515	34.900	2.0706	27.849	45.8646	2.811	1541.2	4711.	0.5036E-06	0.168
5000.	2.533	34.899	2.0627	27.846	45.8653	2.913	1544.8	4905.	0.5162E-06	0.127
5100.	2.544	34.898	2.0606	27.845	45.8653	2.965	1546.6	5002.	0.5234E-06	-0.090
5200.	2.556	34.898	2.0585	27.843	45.8652	3.017	1548.3	5099.	0.5306E-06	0.0
5300.	2.568	34.898	2.0576	27.842	45.8655	3.071	1550.1	5196.	0.5374E-06	0.090
5400.	2.579	34.898	2.0551	27.841	45.8658	3.125	1551.9	5293.	0.5441E-06	0.090
5500.	2.591	34.897	2.0528	27.840	45.8657	3.179	1553.7	5390.	0.5509E-06	0.0
5600.	2.603	34.898	2.0515	27.839	45.8664	3.235	1555.5	5487.	0.5576E-06	0.128

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