I.O.S.

CTD DATA
OBTAINED DURING DISCOVERY CRUISE 81

by

P M SAUNDERS

Data Report No 17
1980

NATURAL ENVIRONMENT RESEARCH COUNCIL
INSTITUTE OF OCEANOGRAPHIC SCIENCES

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INSTITUTE OF OCEANOGRAPHIC SCIENCES

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DATA PROCESSING PROCEDURES

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Brook Road, Wormley, Godalming,
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ABSTRACT

The purpose of this report is threefold.

(1) To report on an important body of CTD data obtained on an E-W section from the mid-Atlantic ridge to the coast of Spain (latitude 41-42°N) making the data available for easy reference for both IOS staff and other interested parties. (2) To describe a method of reconciling CTD data with standard station data taken simultaneously. (3) To outline the computer processing employed in bringing raw CTD data to an archived state. The author anticipates that the procedures described here will be followed, with generally minor modifications, in future treatment of CTD data collected at IOS, Wormley.

METHOD OF DATA COLLECTION

The data reported here was gathered on Discovery cruise 81 employing a Neil Brown CTD, conductivity, temperature and depth profiler (Brown and Morrison, 1978), held in a frame along with a General Oceanics Rosette mutisampler equipped with 12 Niskin bottles. The CTD provided data with a resolution of 0.5mdeg C, 0.1db and 0.001mmho/cm at a rate near 30 samples per second which was recorded on digital magnetic tape by a Hewlett-Packard 2100 computer. Only the data on the down lowering was processed; the data on recovery was also recorded but was used only to identify instrument malfunction. The lowering, made at speeds between 0.5 and 1.0m/sec, was interrupted at 100 to 500m intervals by stopping the winch and operating the multisampler, thereby collecting a sample of seawater (1.7l in volume) and overturning reversing thermometers. To increase the number of samples a NIO bottle (1.33l in volume) was clamped just above the CTD and closed by messenger at the bottom of the cast. A second NIO bottle was clamped on 10m of 4mm diameter wire which was streamed 20m from the CTD wire. This bottle was closed with a messenger when the CTD arrived at 10m depth. Samples of seawater were analysed on board the ship employing an Autolab salinometer; three samples were drawn from each Niskin/NIO bottle but only two duplicates were analysed unless incompatible results were obtained. Thermometers were calibrated both before and after the cruise but since the historical calibration information had already established the most stable thermometers and these had been chosen for cruise 81, no significant changes were detected. The cast depth was limited to 4000m, the capability of the winch, but where the bottom depth was shallower the height of the CTD above the bottom was recorded from a free-running 10kHz pinger. On recovery of the instrument, sensors were flushed with distilled water.

Table 1 gives a list of station positions which were occupied on legs 1 and 2 of cruise 81. In addition to the CTD stations 20 neutrally buoyant floats were launched in order to determine currents at 1500m depth. Both the float measurements and a method for estimating the mean velocity between stations have been described in Swallow, Gould and Saunders (1977).

Table 1

STATION LIST, DISCOVERY 81

Number	Date 1977	Time Z	Lat N	Long W	Cast DB	Depth m	Calib. Group
9291	13-1	1520	47 44.6	23 54.5	3715	3765	1
9329	17-1	1252	41 40.4	29 38.9	2287	2297	1
9343	21-1	0020	41 38.3	29 12.1	2306	2298	1
9331	17-1	1946	41 33.6	28 45.5	2019	2060	1
9342	20-1	1500	41 29.3	28 20.9	2723	2706	1
9333	18.1	0414	41 24.9	27 56.7	2435	2444	1
9344	21-1	1835	41 19.5	27 29.0	2614	2598	1
9336	18-1	1204	41 17.4	27 05.0	2743	2721	1
9345	22-1	0218	41 13.0	26 30.3	3070	3043	1
9338	18-1	2034	41 08.1	26 04.1	3199	3176	1
9346	22-1	2212	40 59.0	25 28.4	3487	3463	1
9340	19-1	0636	41 01.9	24 53.4	3596	3583	1
9399	8-2	0646	41 03.5	24 24.5	3646	3630	3
9398	7-2	2238	41 06.5	23 50.2	3864	3842	3
9400	8-2	2048	41 06.1	23 21.8	3894	3969	3
9397	7-2	1018	41 10.8	22 53.4	4062	4068	3
9401	9-2	1842	41 13.5	22 21.6	2029	3854	3
9396	7-2	0036	41 16.8	21 47.7	3189	3184	3
9402	11-2	0256	41 19.7	21 13.3	2247	2267	3
9395	6-2	1325	41 23.8	20 39.3	3844	3823	3
9403	11-2	1956	41 25.8	20 08.1	2544	2549	3
9394	6-2	0045	41 29.8	19 33.5	4052	4469	3
9404	12-2	1406	41 31.2	18 50.1	2029	5225	3
9393	5-2	1245	41 35.6	18 31.2	2030	5300	3
9405	13-2	0014	41 36.6	18 10.4	4032	5505	3
9392	5-2	0108	41 42.4	17 26.5	2028	5380	3
9406	13-2	2330	41 45.1	16 52.7	4062	4511	3
9391	4-2	1612	41 47.7	16 21.6	2039	5370	3
9390	4-2	0932	41 51.8	15 53.1	4042	4897	3
9368	26-1	0954	41 53.2	15 17.0	1989	5336	2
9389	3-2	2118	41 52.9	14 40.4	4063	5321	3
9388	3-2	0536	41 59.1	14 07.2	2039	5325	3
9371	26-1	1812	41 55.2	14 06.5	2108	5327	2
9387	2-2	2207	41 56.0	13 36.1	4042	5327	3
9374	27-1	0200	42 00.0	13 02.3	2008	5325	2
9386	2-2	0028	42 01.8	12 25.9	4032	5154	2
9377	27-1	1122	42 05.1	11 50.2	2068	3781	2
9385	1-2	1206	42 07.3	11 16.0	2406	2411	2
9380	27-1	2018	42 06.3	10 40.9	2108	2760	2
9384	1-2	0118	42 07.7	10 15.8	2743	2752	2
9382	28-1	0206	42 10.0	09 51.0	2039	2403	2
9383	31-1	1906	42 11.9	09 34.8	1741	1756	2

RECONCILIATION OF CTD AND BOTTLE DATA

In the writer's experience the stability of the CTD conductivity cell is quite unpredictable. Calibration changes have been observed equivalent in salinity changes to as much as 0.2‰ (within a 2 day period of 6 stations) and as little as 0.005‰ (within a 20 day period of 35 stations). Collection of physical samples and the reconciliation of sample salinity with CTD deduced salinity is essential to the use of the instrument.

As described previously at levels selected throughout the water column the winch was stopped, thermometers allowed to come to equilibrium (5 minutes) and sample(s) taken. Operation of the multi-sampler disables the CTD so that just prior to this, values of p,T,c were read from the deck unit and entered on a logsheet. After closing a Niskin bottle p,T,c values were again read and entered; the pair of values is a useful indicator of the steadiness of the conditions in which the sample was collected.

Methods for the laboratory calibration of the sensors are well described in Fofonoff, Hayes and Millard (1974): here the emphasis is primarily on in-situ tests.

(a) Pressure

Early on leg 1 of Cruise 81 a pressure electronics board was changed because of a malfunction. This action introduced a change in the calibration of the pressure measurement, the nominal value reading too low by 2/3% or 25db at 4000db. In situ calibration was possible by comparison between the CTD and the pressure determined from pairs of protected and unprotected reversing thermometers: after correction by the amount indicated above the difference between the CTD and thermometer values was computed and plotted in figure 1. Random root mean square (rms) differences of about ± 5db are found along with smaller systematic errors produced by the temperature dependence of the sensor (1db per °C for this sensor).

(b) Temperature

A plot of the difference between uncorrected CTD temperatures and reversing thermometer values showed a difference of approximately 0.015°C near 15°C and 0.030°C near 3°C (CTD colder). Experience suggests that this represents a CTD calibration shift which has occurred during road/air shipment of the instrument or during installation aboard ship.* After adjustment of the temperature sensor calibration (T = .030+.0004995xRAWTEMP) the difference between corrected CTD temperature and reversing thermometer values was calculated and is shown in figure 2. No drift is discernable between first and last stations and in the deep water rms differences are close to ±.005°C, the reading error of the thermometer. On cruise 81 the fast thermistor was not installed and because subsequent experience has shown that it introduces irrecoverable errors (Pollard, private communication) IOS intends to discontinue its use.

(c) Conductivity/Salinity

From the salinity of the sample, determined onboard usually within 48 hours, and from the corrected pressure and temperature of the CTD the in-situ conductivity of the sample was calculated (employing algorithms supplied by N.P. Fofonoff at WHOI). The ratio of sample conductivity (C_s) to CTD conductivity C was formed and plotted versus pressure. Close examination of the data revealed that it fell into three homogeneous groups which are identified in table 1. Within each group of stations the conductivity ratio was a function only of pressure and temperature, so that

$$\frac{C_s}{C} = CCR\ (1 + \alpha T + \beta p)$$

A least squares determination of these quantities yielded

$$\alpha = -5.0 \times 10^{-5}\ {}^{\circ}C^{-1} \quad \beta = -7.0 \times 10^{-8}\ db^{-1}$$

$$CCR_1 = 1.00094 \quad CCR_2 = 1.00105 \quad CCR_3 = 1.00109$$

From the raw CTD conductivity, corrected by the factor $CCR(1+\alpha T+\beta p)$ the CTD salinity was computed and the difference between it and the sample salinity plotted in figure 3. The rms difference is seen to be a function of pressure, about ±.005‰ in the upper 1000db decreasing to ±002‰ in the deep water: the latter figure is close to the accuracy of the Autosal salinometer, the former reflects the variability resulting from heaving the instrument in a gradient.

* In future we plan to hand carry temperature sub-standards to the ship and make in-port calibrations.

The coefficients α and β reflect the influence of temperature and pressure on the dimensions of the conductivity cell : materials constants are $-6.5\times10^{-6}\,{}^{\circ}C^{-1}$ and $+1.5\times10^{-8}db^{-1}$ (Fofonoff et al, 1974). The empirically determined values are 5-8 times larger and β has the opposite sign to that expected. No explanation has been found for these coefficients and different values have been found for different instruments. Near the surface T=15,p=0 the term $1+\alpha T+\beta p$ has a value .99925 : in the deep water T=2.5,p=4000 the factor has a value .99960. This change is equivalent to a freshening of the surface with respect to the deep water of .015‰. The change in cell constant CCR during the cruise was quite small corresponding to a salinity change of only .007‰.

COMPUTER PROCESSING OF CTD DATA

Data from the CTD was logged on the Hewlett Packard 2100 computer employing software supplied by the Woods Hole Oceanographic Institution (Tollios, Power and Ekstrand, unpublished manuscript 1971). The data acquisition program permits simultaneous plotting of temperature and salinity against pressure and one minute listing of the data. Data logging is normally interrupted when the lowering is halted and restarted with winch restart: care must be exercised to ensure that a depth range is not missed during a stop as height changes of the instrument are common especially in strong current shear. Although provisional analysis was conducted aboard Discovery the in-situ calibration procedures were not completed until after the cruise - so that a shore based computer was employed to handle the data. IOS has access to the Science Research Council IBM 360/195 computer at Rutherford Laboratory in Chilton: a processing system G-EXEC has been implemented there by Dr. K. Jeffrey and E.M. Gill and has been modified for IOS use by Dr. R.T. Pollard and D.S. Collins (both IOS).

Data processing is currently in batch and several programs are put together to form a job. The job may be submitted either on cards or from disc files created from remote terminals. The system is disc based and capable of handling large data files - necessarily so as deep CTD stations contain 100,000 data cycles. The computation path will be described only in general terms commenting on special aspects of the data handling; a description of the jobs is found in an appendix but no detailed program listings are given.

The general character of the data processing is presented in table 2. The steps outlined there are probably essential to the task of summarising CTD data in order to describe oceanic properties on both the medium and large scales. Studies of microstructure may require a somewhat different path, branching as early as stage 3 or as late as stage 5, with a reduced pressure averaging interval. Each stage of processing is commented on in the following paragraphs.

Stage 0. A method for matching time constants is described in detail in Fofonoff et al (1974). A procedure more consistent with IOS use of data is to slow the conductivity and pressure probes to match the slower response of the platinum resistance thermometer. This is achieved by employing a discrete representation of the expression

$$\bar{C}(t) = \frac{1}{\tau}\int_{-\infty}^{t} C(t') \exp \frac{t'-t}{\tau}\, dt'$$

where $\bar{C}$ and C are the slowed and observed conductivity respectively and τ is the time constant of the platinum resistance thermometer (.2 to .25 seconds).

Stage 1. Editing of data is achieved by examining Δ the difference between successive values of each variable in turn. First the mean $\bar{\Delta}$ and rms σ are determined: those Δ for which $|\Delta - \bar{\Delta}| > m\sigma$ are excluded, where m is specified by the user, and mean $\bar{\Delta}'$ and rms σ' recalculated. Suspect data are identified as all Δ for which $|\Delta - \bar{\Delta}'| > m\sigma'$ and are listed and their location stored in an edit file.

Stage 2. After inspection of the lists genuinely suspect data is replaced by linearly interpolated values.

Stage 3. At present data cycles are sorted on the pressure, which implies that the heaving of the ship communicated to the instrument is ignored, and then averaged within an interval chosen by the user (2db centred on odd values).

Stage 5. Standardised plots of temperature and salinity versus pressure are drawn and for cruise 81 stations are reproduced in the pages immediately after the appendix. Page size output is obtained directly.

Stage 6. Although raw data tapes are retained the first archived

Table 2 Processing CTD data

STAGE	FUNCTION	DESCRIPTION
0	CALIBRATE	Tape translation: apply calibration coefficients and match time constant of conductivity cell and temperature probe.*
1	COMPUTE SALINITY	(a) Compute salinity and discard conductivity.
		(b) Identify suspect data,† making entries in an edit file.
2	EDIT BAD DATA	Linearly interpolate suspect data: repeat stage 1 (b)
3	CONDENSE	Sort data on pressure and average into 2db intervals: list p,T,s.
4	FILL GAPS	Add any missing data cycles.
5	PLOT	Standard plot of T,s versus p.
6	ARCHIVE	Copy good file (p,T,s) to tape.
7	STATION LIST	Compute standard hydrographic parameters (σ_T, δ, θ etc...): interpolate to standard pressures and list.

Notes (1) * slow conductivity with a single-sided exponential filter of half width 0.25seconds.

(2) † suspect data identified as differing by several standard deviations from previous good value.

(3) cost of processing ONE deep CTD station is £50 on the Rutherford machine and likely to be a few times higher on smaller machines.

data set of p,T,s is copied from disc to tape at this stage and stored for future use.

Stage 7. The following standard oceanographic properties are computed:- potential temperature, potential density, dynamic height anomaly, sound velocity, depth, specific volume anomaly and Brunt-Vaisala frequency. Linear interpolations are carried out to levels specified by the user and lists generated. Lists for stations shown in table 1 are presented in the final pages of this report.

ACKNOWLEDGEMENTS

Mr. J. Moorey determined salinities and corrected thermometers, the former with considerable skill and the latter with considerable care; Mr. J. Smithers maintained the CTD at sea with imperturbable good humour; Dr. R.T. Pollard and Mr. D.S. Collins wrote most of the software, enabling the writer to produce this data report; and Drs. W.J. Gould and J.C. Swallow assisted in the data collection and provided helpful advice and encouragement.

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BROWN, N and G. MORRISON. 1978 WHOI/Brown Conductivity, temperature and depth microprofiler. WHOI-78-23

FOFONOFF, N.P., S.P. HAYES and R.C. MILLARD, Jr. 1974 WHOI/Brown CTD microprofiler: Methods of calibration and data handling. Woods Hole Oceanographic Institution. WHOI-74-89.

SWALLOW, J.C., W.J. GOULD and P.M. SAUNDERS. 1977 Evidence for a poleward eastern boundary current in the N. Atlantic Ocean. International Council for the exploration of the sea. Hydrography Committee, CM 1977/C:32.

APPENDIX

<u>Stage Ø   Translate and calibrate : match time constants</u>

```
EXEC PCTDIN                                                     Translate
Ø
FILE,1,WPRDIØ9291BW,1,49Ø
FIND WTAPEP448
MAKE WPRDIØ9291BW
EXEC PCTDCL                                                     Calibrate
ØØØØØØ1
CYCS,,
CTD1,-.ØØØØ5,-.ØØØØØØØ7,Ø.,Ø.,Ø.,.1ØØ7,1ØØ.,.Ø3,.ØØØ4995,.ØØ1ØØØ94
VARS,2,3,4
FIND WPRDIØ9291BW
MAKE PHYSFILE,,,3,13ØØØØ
EXEC PDECIM                                          Match time constants
Ø
CYCS,,
DECI,16
SLOW,16,8
VARS,1,3
COPY
VARS,2
FIND PHYSFILE
MAKE WPRDI09291BW
```

Stage 1 Compute salinity and identify suspect data

EXEC POCEAN	Salinity
Ø	
CYCS,,	
COPY	
VARS,1,3	
SAL1	
VARS,P,1,G,2,T,3	
FIND WPRDIØ9291BW	
MAKE PHYSFILE,,,4,8ØØØ	
EXEC PCOPYA	
1	
VARS,-	
COPY,,	
FIND PHYSFILE	
MAKE WPRDIØ9291BW	
EXEC PSKTCH	Group sketch of data
Ø	
CYCS,,	
GROUP,2Ø	
VARS,-	
FIND WPRDIØ9291BW	
EXEC PCHECK	Create suspect data file for $\|\Delta-\bar{\Delta}'\|>8\sigma'$
Ø1	
CYCS,,	
ERRA,Ø.ØØ1,8.Ø	
VARS,-	
FIND WPRDIØ9291BW	
MAKE WPMSEDITFILA	

Stage 2 Edit selected suspect data

```
EXEC PRIGHT           Insert absent data values in specified locations
Ø1
ENTRIES,1,-,6,22,23,24                     Identifies selected cycles
FIND WPRDIØ9291BW
FIND WPMSEDITFILA
MAKE PHYSFILE,,,3,8ØØØ
EXEC PINTRP                          Linearly interpolate absent data
Ø
LINEAR,-
FIND PHYSFILE
MAKE WPRDIØ9291BW
EXEC PCHECK                           Create suspect data file again
Ø1
CYCS,,
ERRA,.Ø.ØØ1,8.Ø
VARS,-
FIND WPRDIØ9291BW
MAKE WPMSEDITFILA
```

Stage 3 Condense data to 2db averages

```
EXEC PCOPYA
1                                              File management
VARS,-
COPY,,
FIND WPRDIØ9291BW
MAKE WPRDIØ9291BW
EXEC PGFILE
Ø
FIND WPRDIØ9291BW
MAKE TEMPFILE,,,3,8ØØØ
EXEC GSORT3                                    Sort data on pressure
ØØØØØØØØØØØØØØØ2ØØØPRES
FIND TEMPFILE
MAKE WORKFILE,,,3,8ØØØ
EXEC GPFILE
Ø
FIND WORKFILE
MAKE PHYSFILE,,,3,8ØØØ
EXEC PAVRGE                                    Average data at 2db intervals
Ø
SCAN,1,0.,2.0
VARS,-
FIND PHYSFILE
MAKE WPRDIØ9291BW
EXEC PLSTVR                                    List 2db values
Ø
CYCS,,
VARS,-
FIND WPRDIØ9291BW
```

Stage 4 Example of filling data gaps

```
EXEC PCOPYA                 Inserts a data cycle at beginning of file
1
VARS,-
INSERT,1
COPY,1,
FIND WPRDIØ9291BW
MAKE PHYSFILE,,,3,22ØØ
EXEC PINTRP      Interpolates absent data (including new data cycle)
Ø
LINEAR,-
FIND PHYSFILE
MAKE WPRDIØ9291BW
EXEC PUSRIO                 Changes pressure on 1st data cycle to 1.0
Ø
OVARS,-
SUBS
      SUBROUTINE USERIO(INDISK,IODISK,INPOS,INVARS,IOFLDS,NSTART,NSTOP
     &,ICON,NIC,FCON,NFC,BUFA,BUFB,SUMMIN,SUMMIO,ABSIN,ABSIO,
     & INRECS,IORECS,INRECL,IORECL,NUMWRD,INFLDS,RETREC)
      DIMENSION INPOS(INVARS),ICON(19),FCON(19),BUFA(NUMWRD),
     & BUFB(NUMWRD),SUMMIN(NUMWRD),SUMMIO(NUMWRD),ABSIN(NUMWRD),
     & ABSIO(NUMWRD),RETREC(NUMWRD)
      IORECS=INRECS
      NUMDAT=1Ø
      CALL INDATA(INDISK,1,1,NUMDAT,BUFA,
     & RETREC,NDUMMY,INFLDS,INRECS,INRECL)
      BUFA(1)=1.Ø
      CALL OTDATA(INDISK,1,1,NUMDAT,BUFA,
     & RETREC,NDUMMY,INFLDS,INRECS,INRECL)
      RETURN
      END
FIND WPRDIØ9291BW
MAKE WRPDIØ9291BW
EXEC PLSTVR                                          List 2db values
Ø
CYCS,,
VARS,-
FIND WPRDIØ9291BW
```

Stage 5 Standard plot of T,s versus p

```
EXEC PLOTXY,RLSP
Ø
CYCS,,
PLOT,45Ø,7ØØ,33Ø.2,5Ø8.Ø
XAXIS,2,50.8,25.4
YAXIS,2,50.8,25.4
YVAR,PRES,Ø.,2ØØØ.,4,2ØØ
XVAR,TEMP,Ø.,32.5,1,5.Ø,,,,,,1
XVAR,SAL.FOF.,34.9,36.2,1,0.2,,,,,,1
FIND WPRDIØ9291BW
```

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

Stage 6 Archives 2db data from disc file to tape

```
EXEC PTAPEP
Ø
FIND WPRDIØ9291BW
MAKE WPRDIØ9291BW,ARCH,TAPE
```

Stage 7 Station List

```
EXEC POCEAN                  Calculate standardhydrographic quantities
Ø
CYCS,,
COPY
VARS,-
PTMP
VARS,P,1,T,2,S,3
SIGT
VARS,T,2,S,3
SIGP,1ØØØ.
VARS,P,1,T,2,S,3
DYNHT,Ø,Ø
VARS,P,1,T,2,S,3
SNDV
VARS,P,1,T,2,S,3
DEPTH,Ø.Ø
VARS,P,1,T,2,S,3
FIND WPRDIØ9291BW
MAKE PHYSFILE,,,9,22ØØ
EXEC PFETCH                  Interpolate quantities to standard pressure values
ØØØØØ2
CYCS,,
VARS,-
SEARCH,PRES
LEVS,1Ø,2Ø,3Ø,5Ø,75,1ØØ,125,15Ø,2ØØ,25Ø,3ØØ,4ØØ,5ØØ,6ØØ,7ØØ,8ØØ,9ØØ,1ØØØ
LEVS,1ØØ,12ØØ,13ØØ,14ØØ,15ØØ,16ØØ,17ØØ,18ØØ,19ØØ,2ØØØ
LEVS,22ØØ,24ØØ,26ØØ,28ØØ,3ØØØ,32ØØ,34ØØ,36ØØ,38ØØ,4ØØØ
FIND PHYSFILE
MAKE WPRDIØ9291BW
EXEC POCEAN                  Calculate further oceanographic properties
Ø
CYCS,,
COPY
VARS,-
SVAN
VARS,P,1,T,2,S,3
BVFR
VARS,P,1,T,2,S,3
FIND WPRDIØ9291BW
MAKE PHYSFILE,,,11,1ØØ
EXEC PTIMES
Ø
CYCS,,
COPY,-
NEWVAR,LNGITUDE,DEGREES,-999.,-23.908,Ø.Ø
FIND PHYSFILE
MAKE WPRDIØ9291BW
EXEC PLSTDC                  List data
           1 1
(1H1//4ØX,'DISCOVERY 81 STATION 9291'//10X
'    P-DB     T-DEGC    S-Ø/ØØ     POTEMP    SIGMAT    SIG1ØØØ'
'  DYNHT-M SNDV-M/S DEPTH-M   SVANOM  BVFR-CY/HR'///)
(11X,F8.Ø,2F9.3,4F9.3,F9.1,F7.0,F11.6, F9.3)


CYCS,,
VARS,1,-,11
FIND WPRDIØ9291BW
```

Fig. 1 PRESSURE DIFFERENCE

Corrected CTD-Thermometer (P and U)

versus pressure

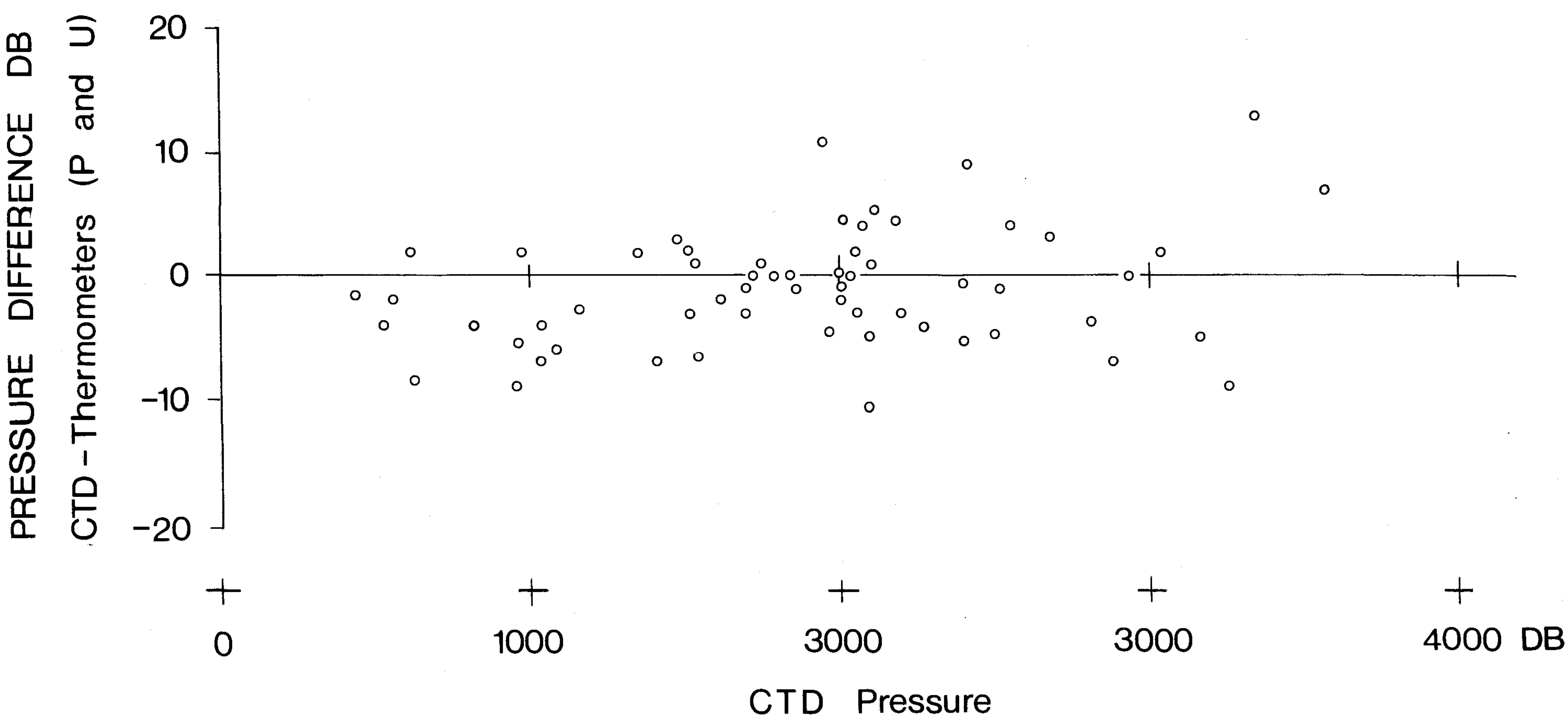


Fig. 2 TEMPERATURE DIFFERENCE

Corrected CTD - Thermometers

versus temperature

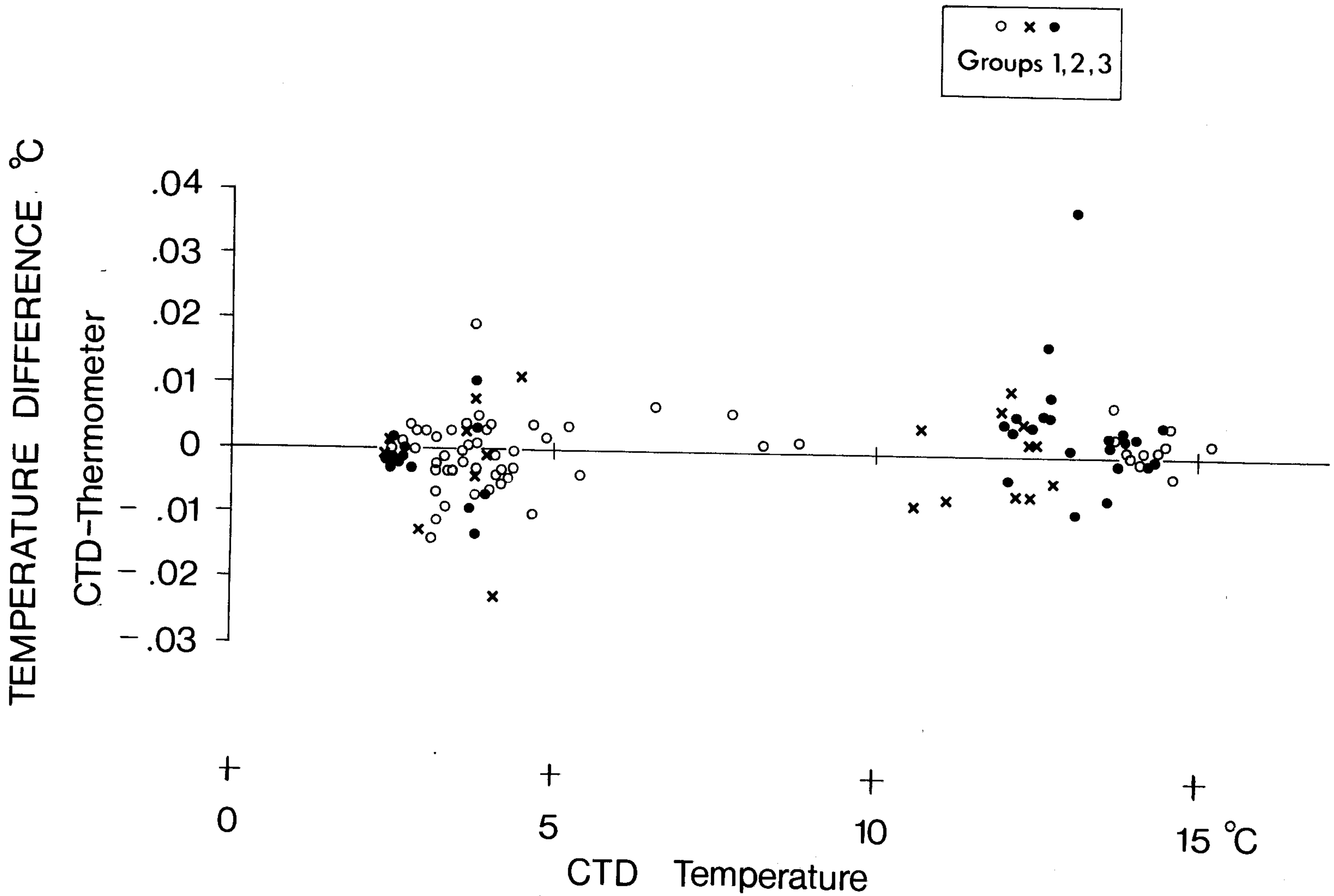
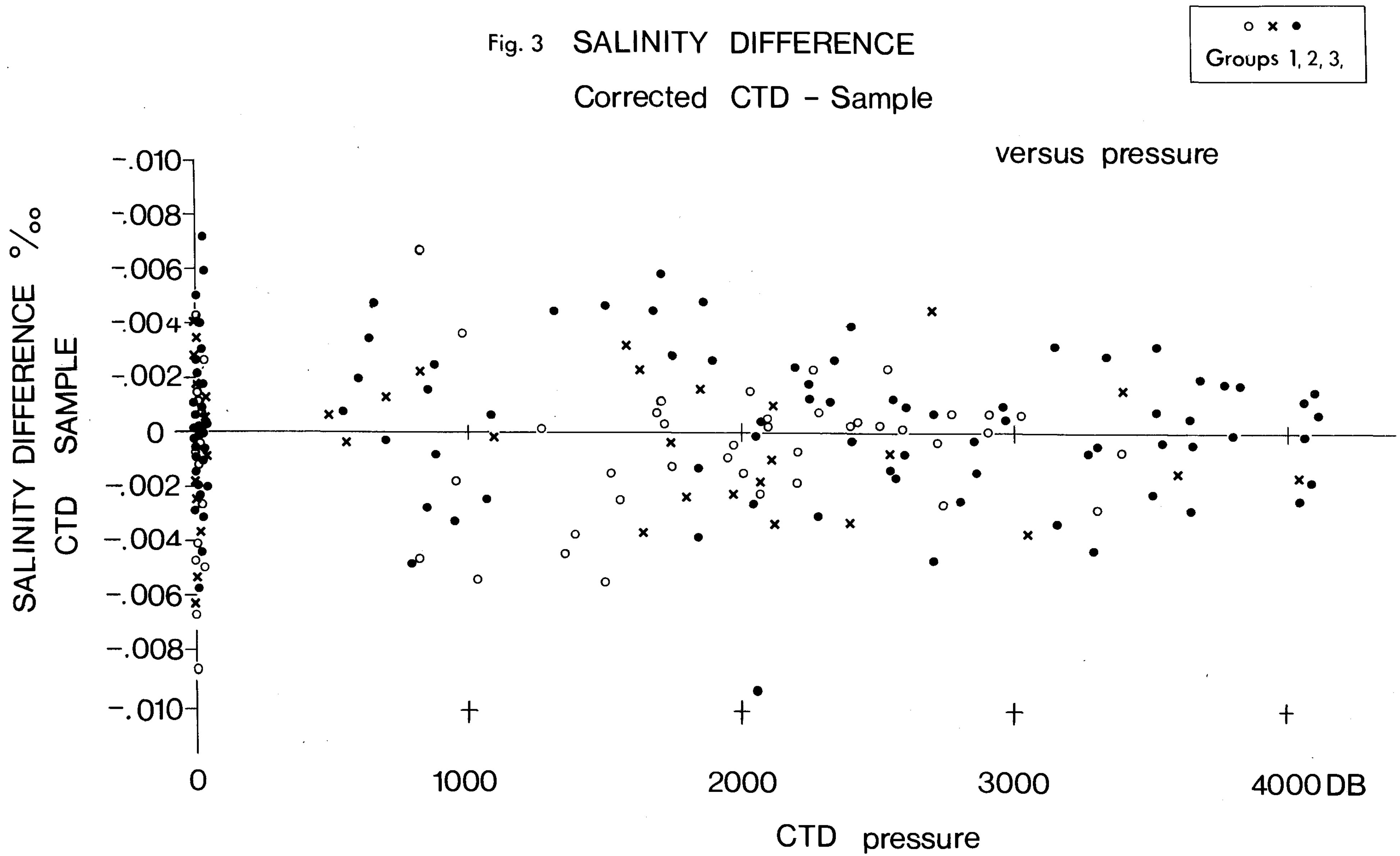
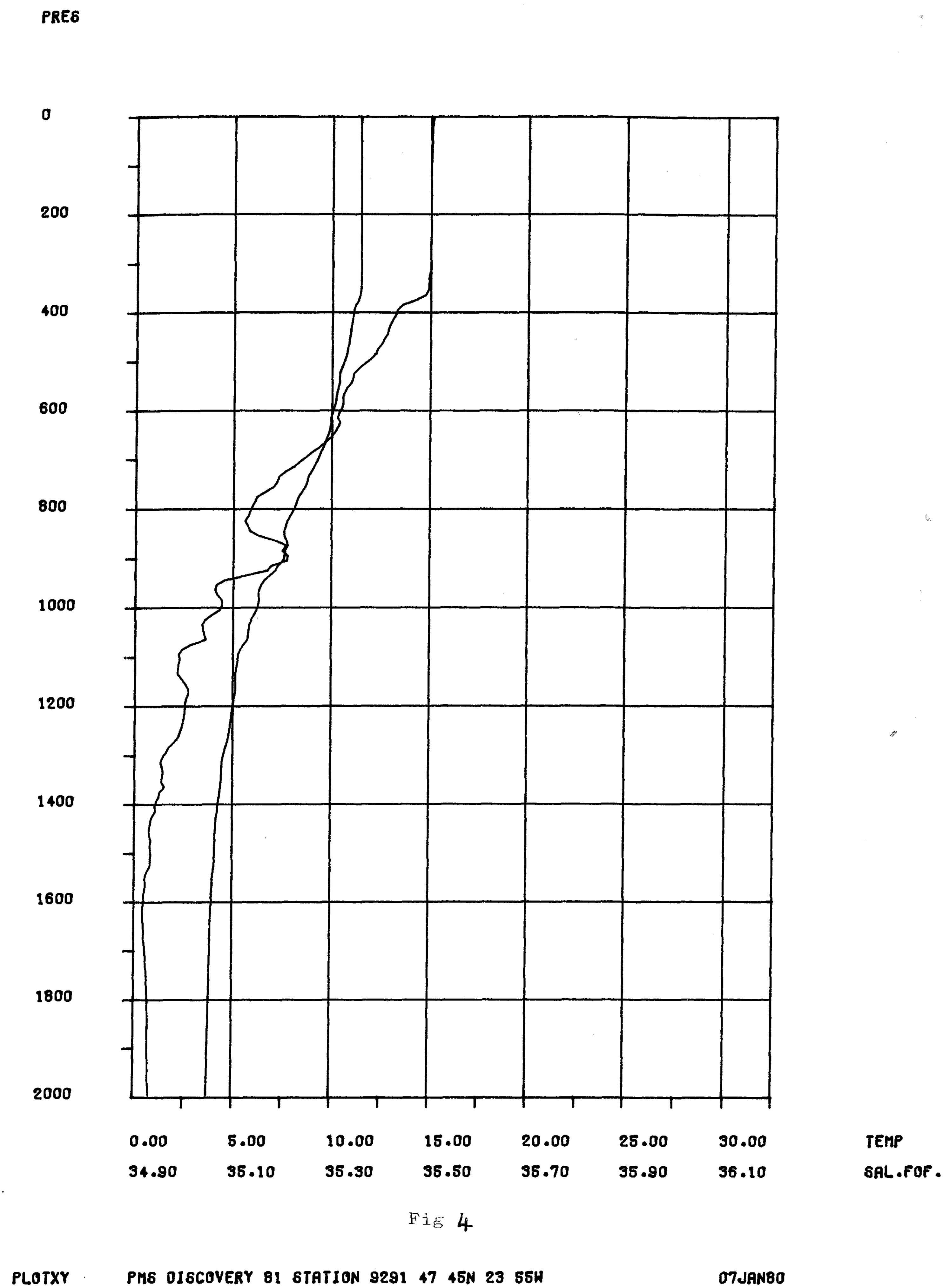


Fig. 3 SALINITY DIFFERENCE
Corrected CTD - Sample
versus pressure





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
34.90 35.10 35.30 35.50 35.70 35.90 36.10
TEMP
SAL.FOF.
PLOTXY
PMS DISCOVERY 81 STATION 9291 47 45N 23 55W
07JAN80

Fig 4

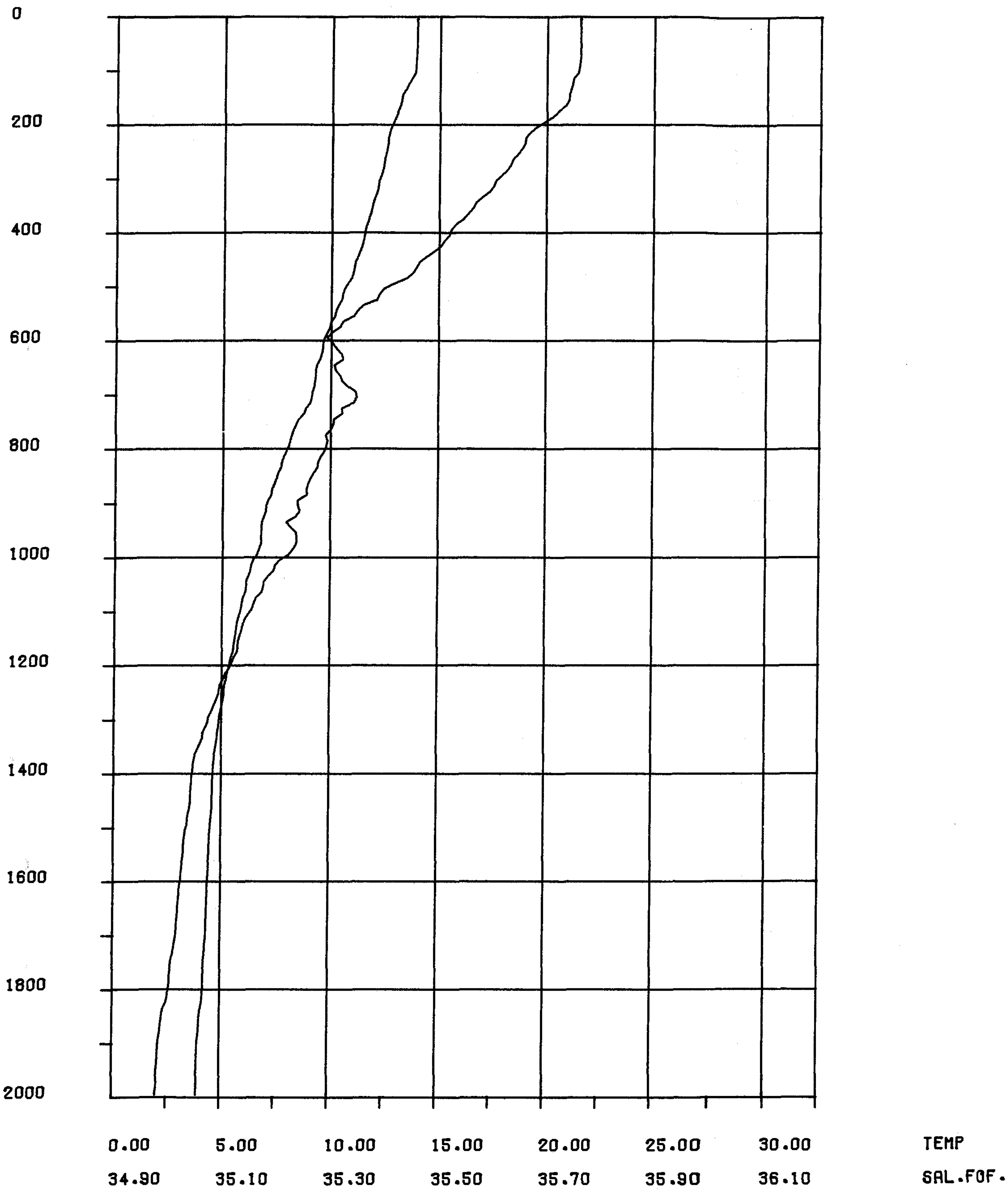


Fig 5

PLOTXY PMS DISCOVERY 81 STATION 9329 41 40N 29 39W 04JAN80

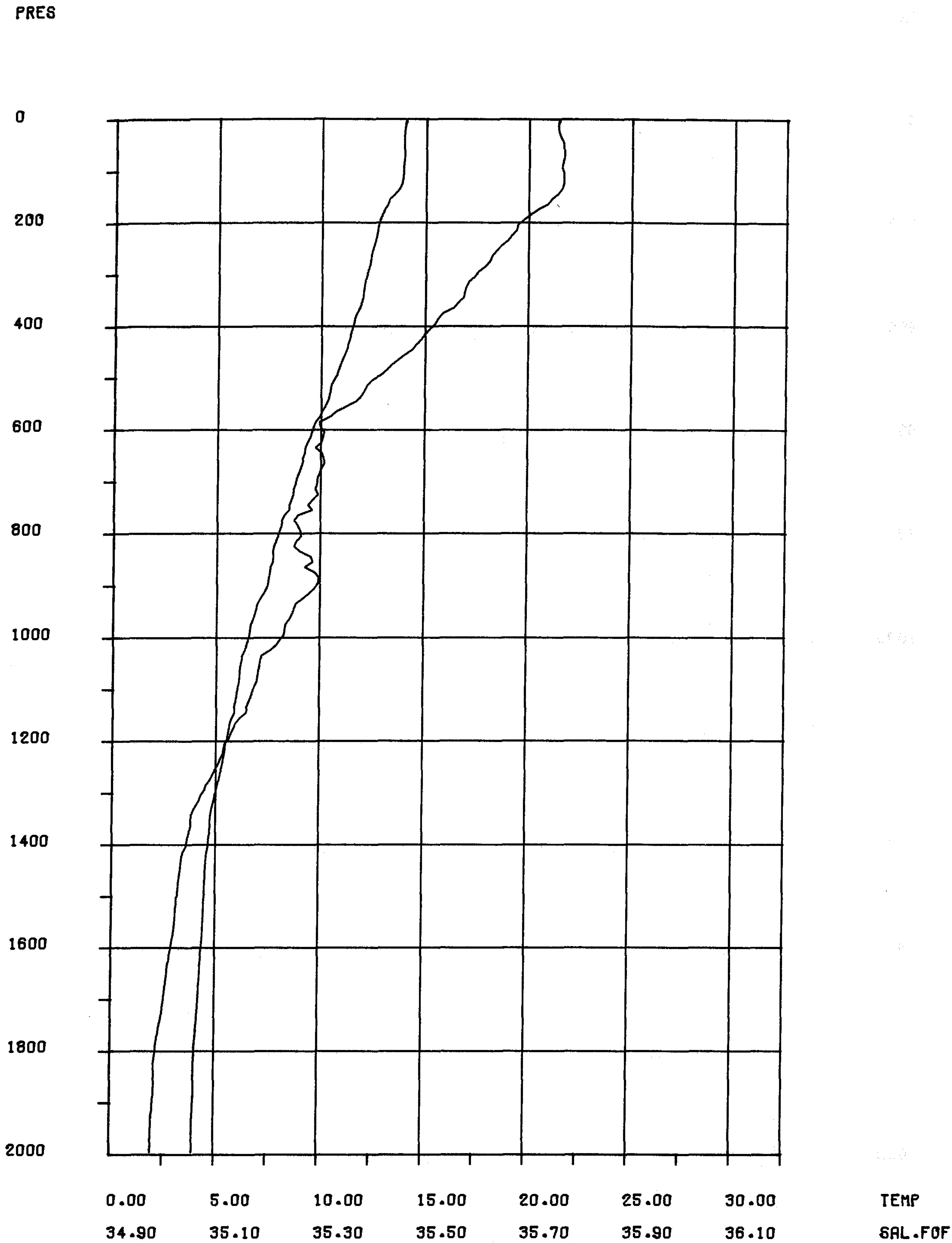


Fig 6

PLOTXY PMS DISCOVERY 81 STATION 9343 41 40N 29 12W 04JAN80

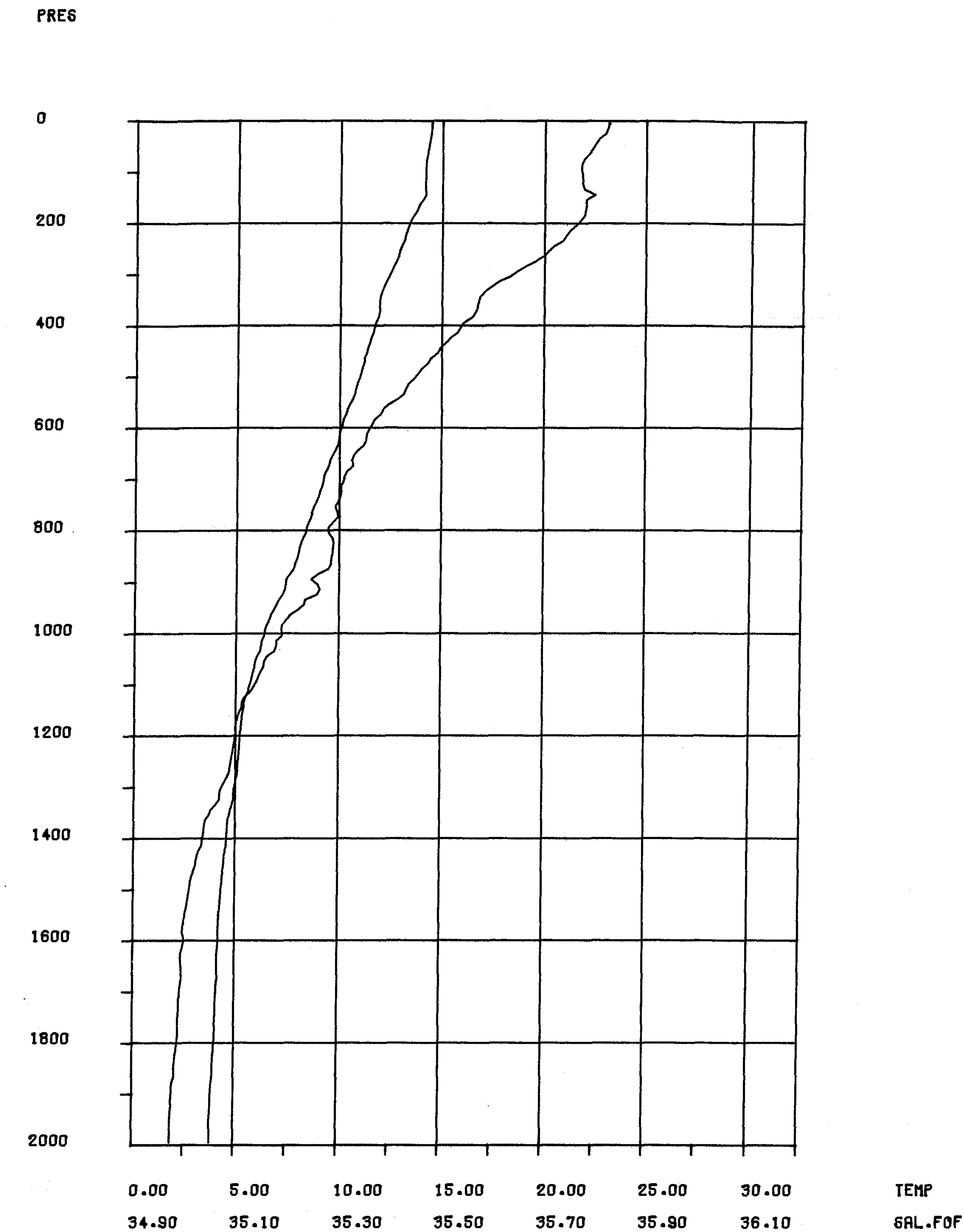


Fig 7

PLOTXY PMS DISCOVERY 81 STATION 9331 41 34N 28 46W 04JAN80

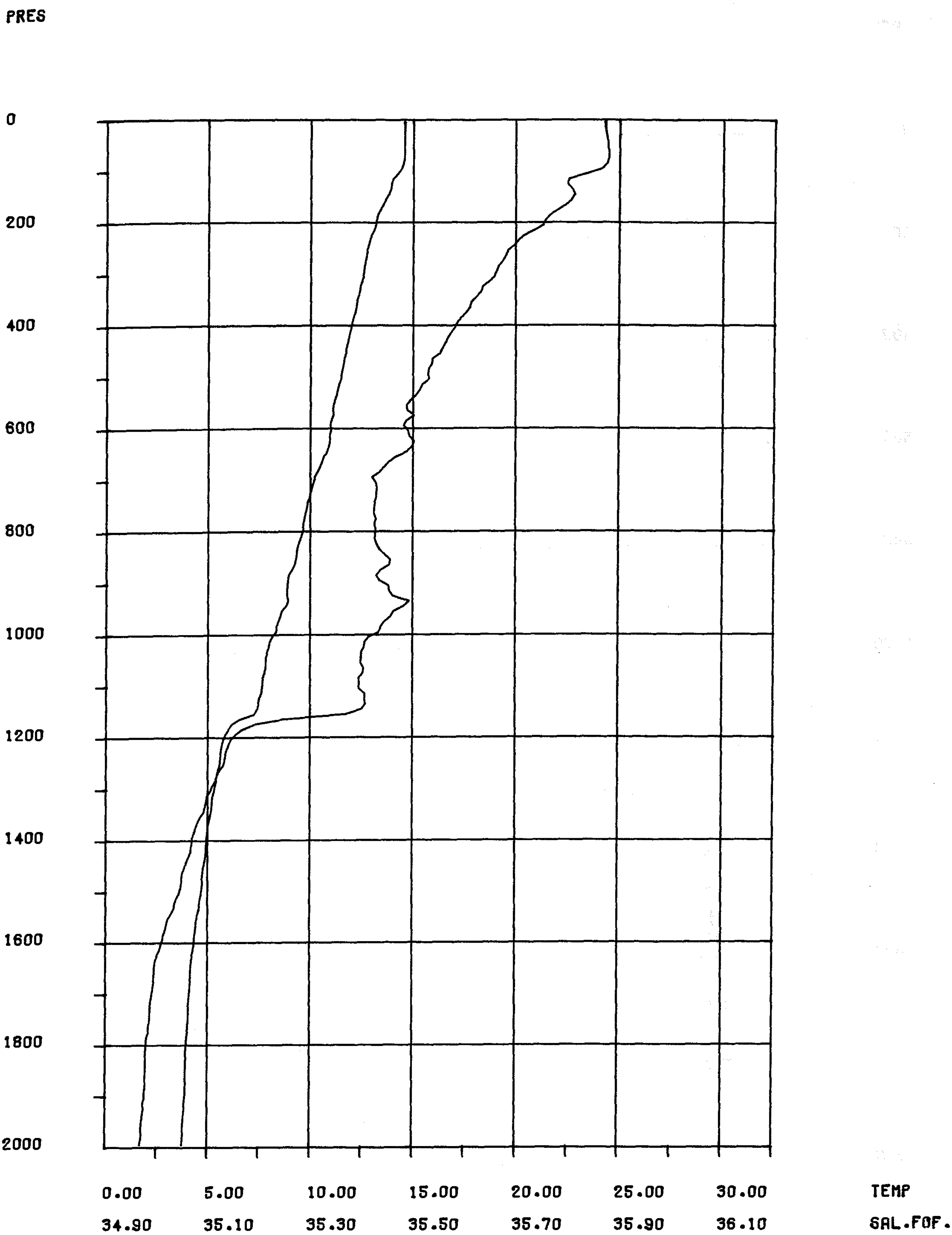


Figure 8

PLOTXY PMS DISCOVERY 81 STATION 9342 41 29N 28 21W 04JAN80

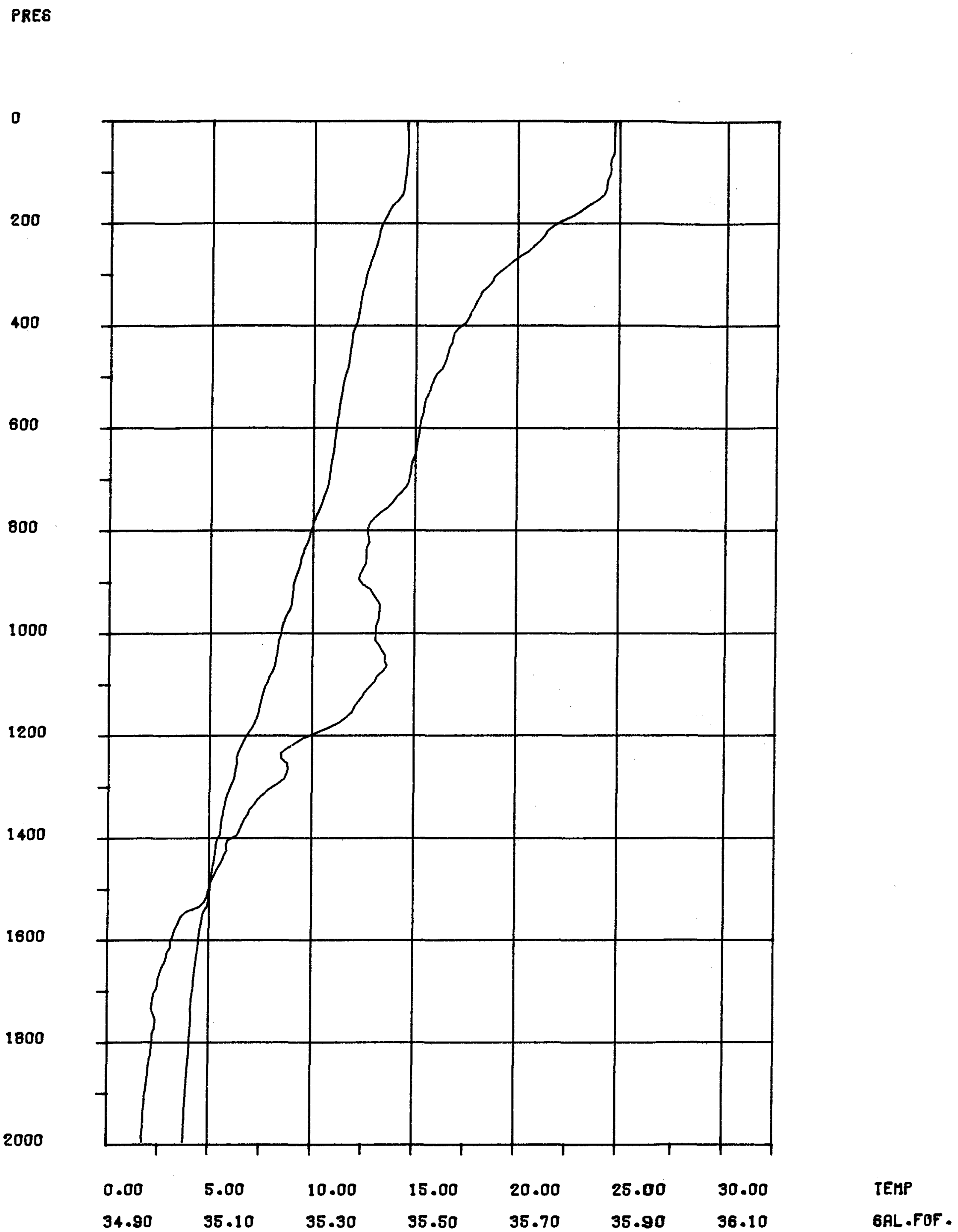


Fig 9

PLOTXY PMS DISCOVERY 81 STATION 9333 41 25N 27 57W 04JAN80

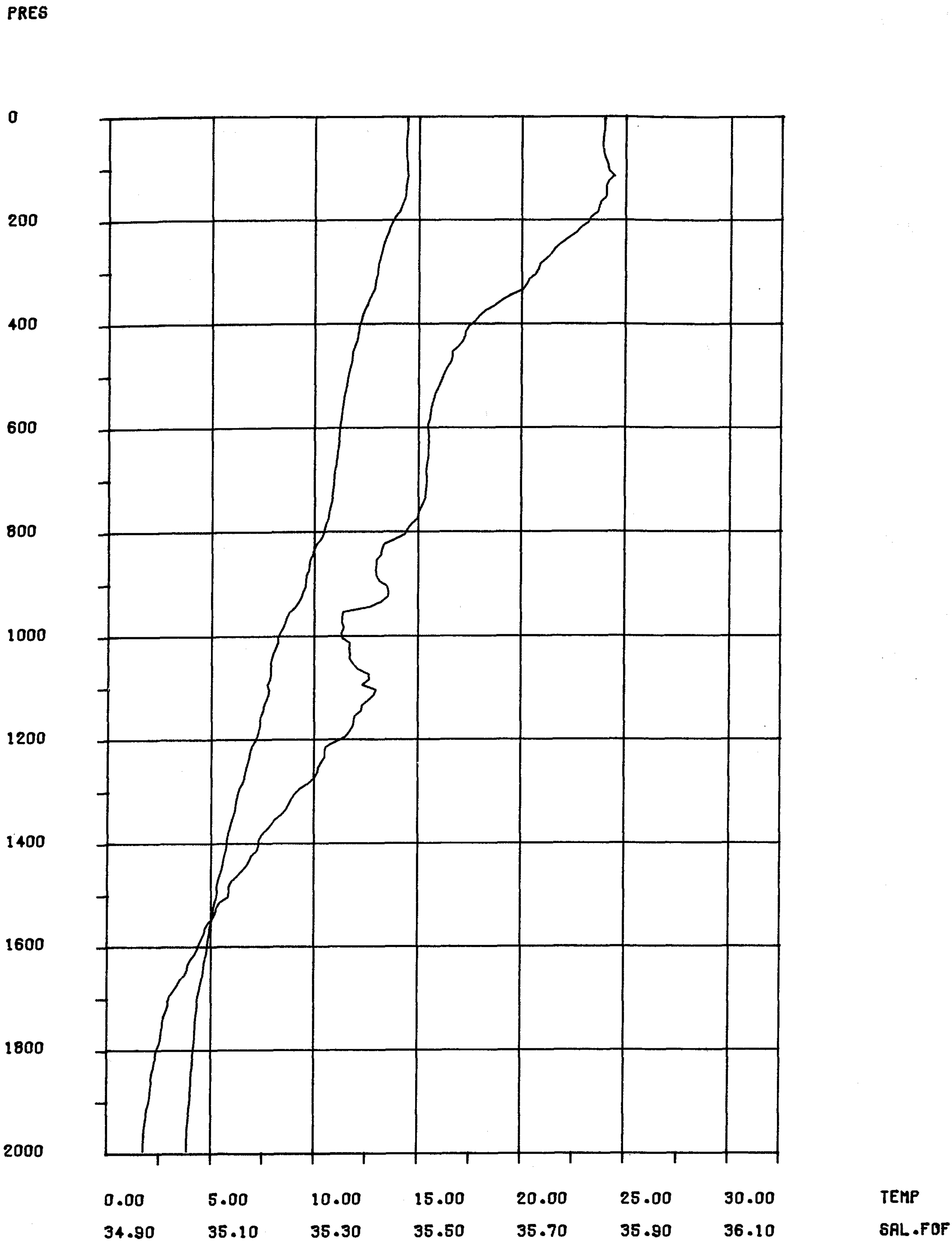


Fig 10

PLOTXY PMS DISCOVERY 81 STATION 9344 41 19N 27 29W 04JAN80

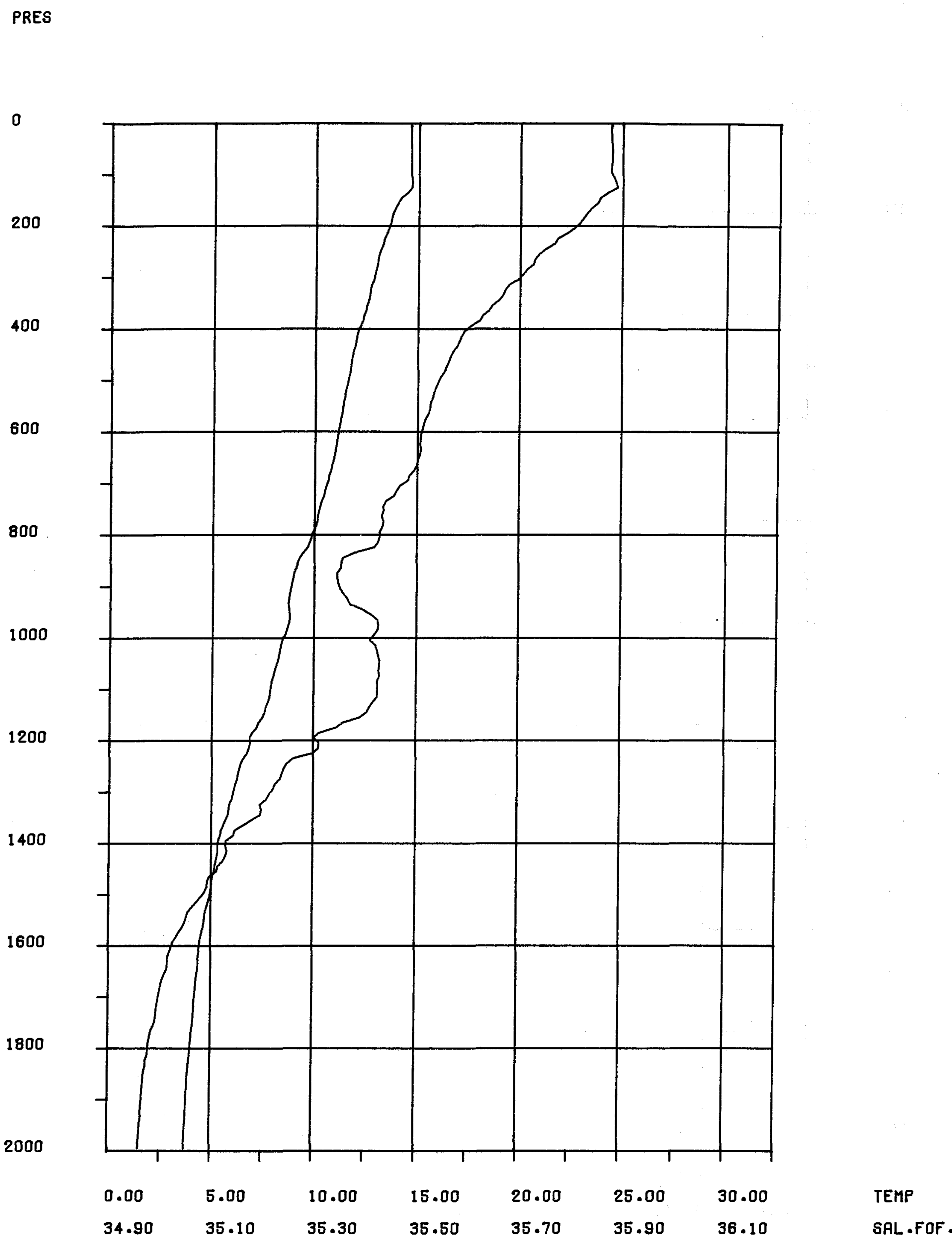


Fig 11

PLOTXY PMS DISCOVERY 81 STATION 9336 41 17N 27 05W 04JAN80

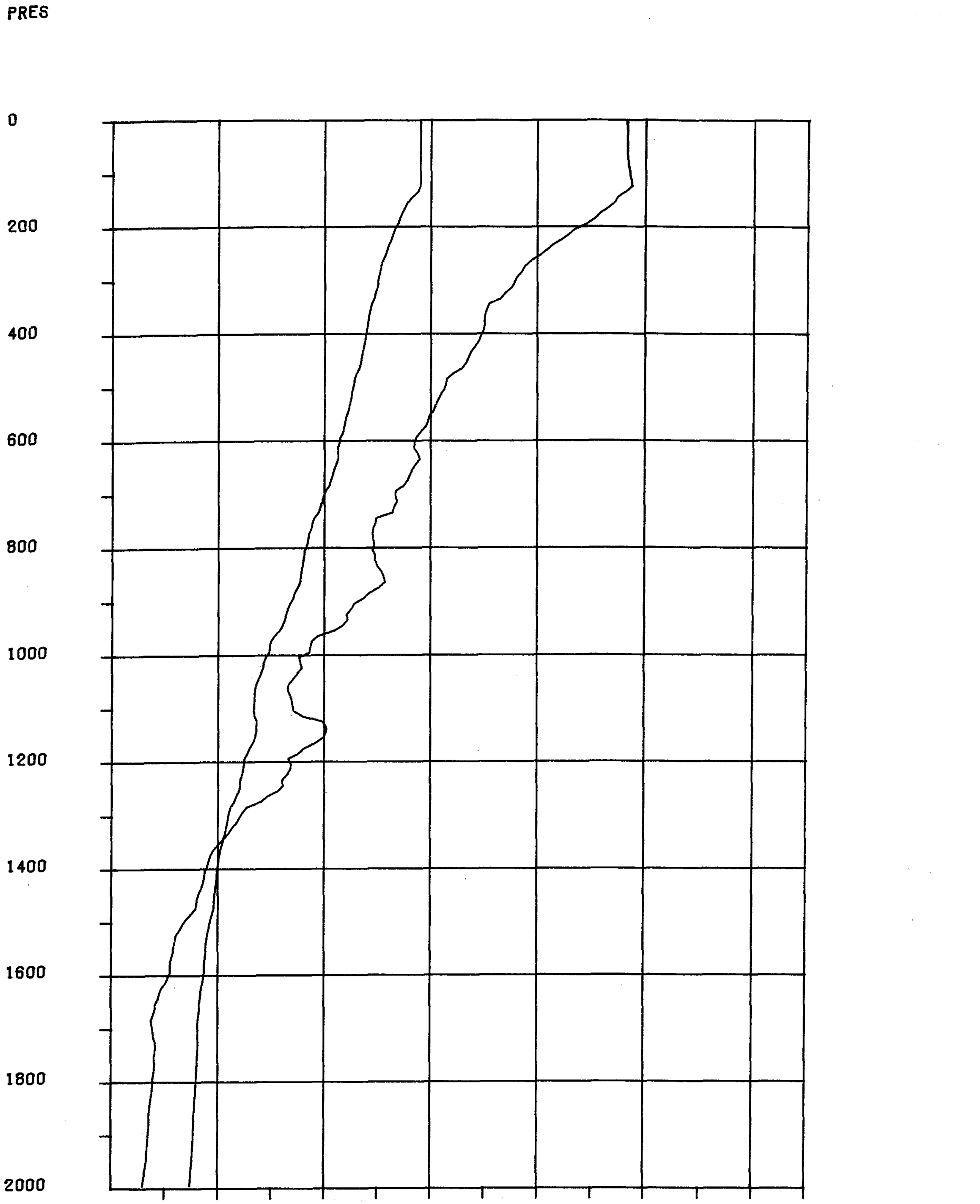


Fig 12

PLOTXY PMS DISCOVERY 81 STATION 9345 41 13N 26 30W 04JAN80

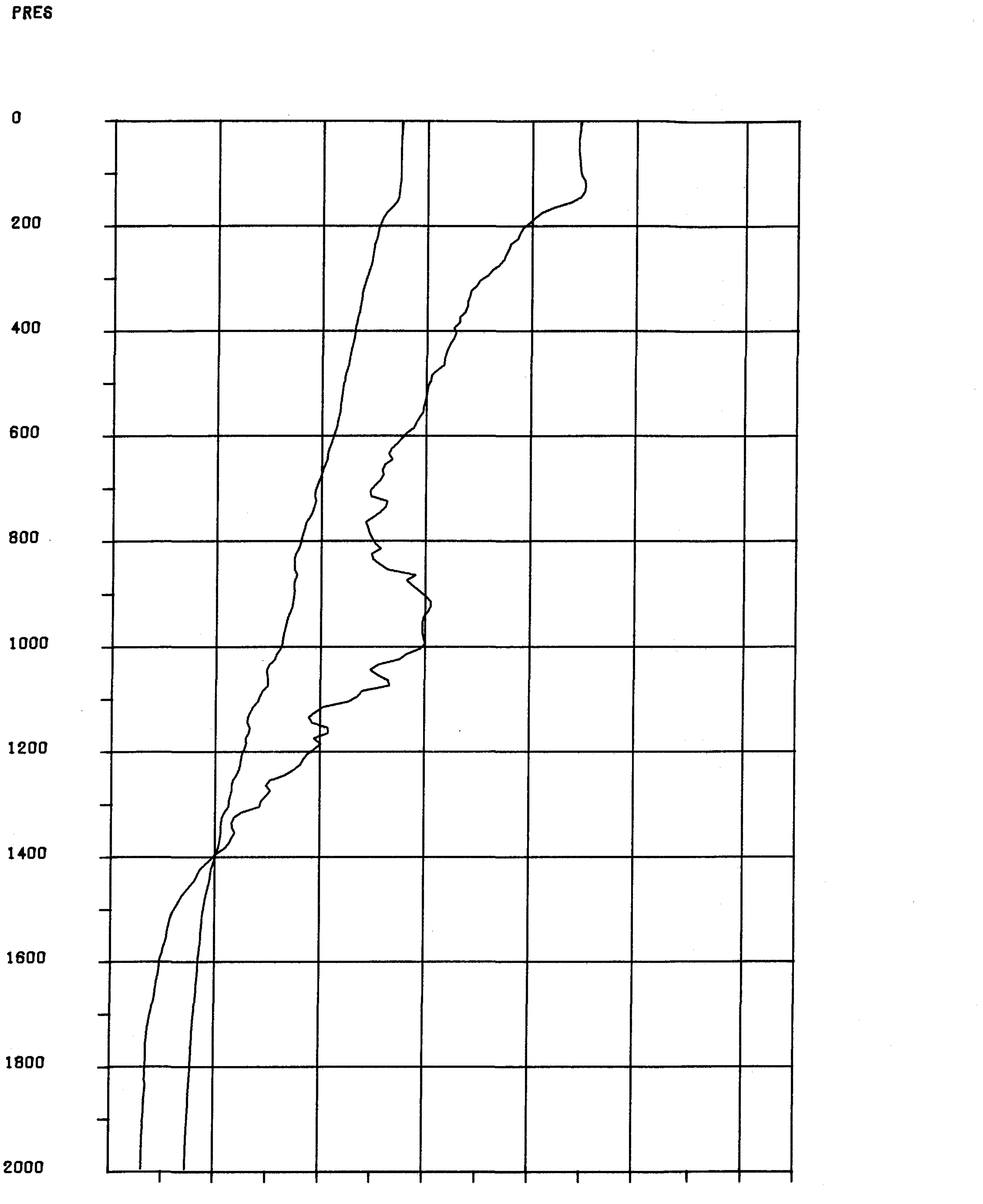


Fig 13

PLOTXY PMS DISCOVERY 81 STATION 9338 41 08N 26 04W 04JAN80

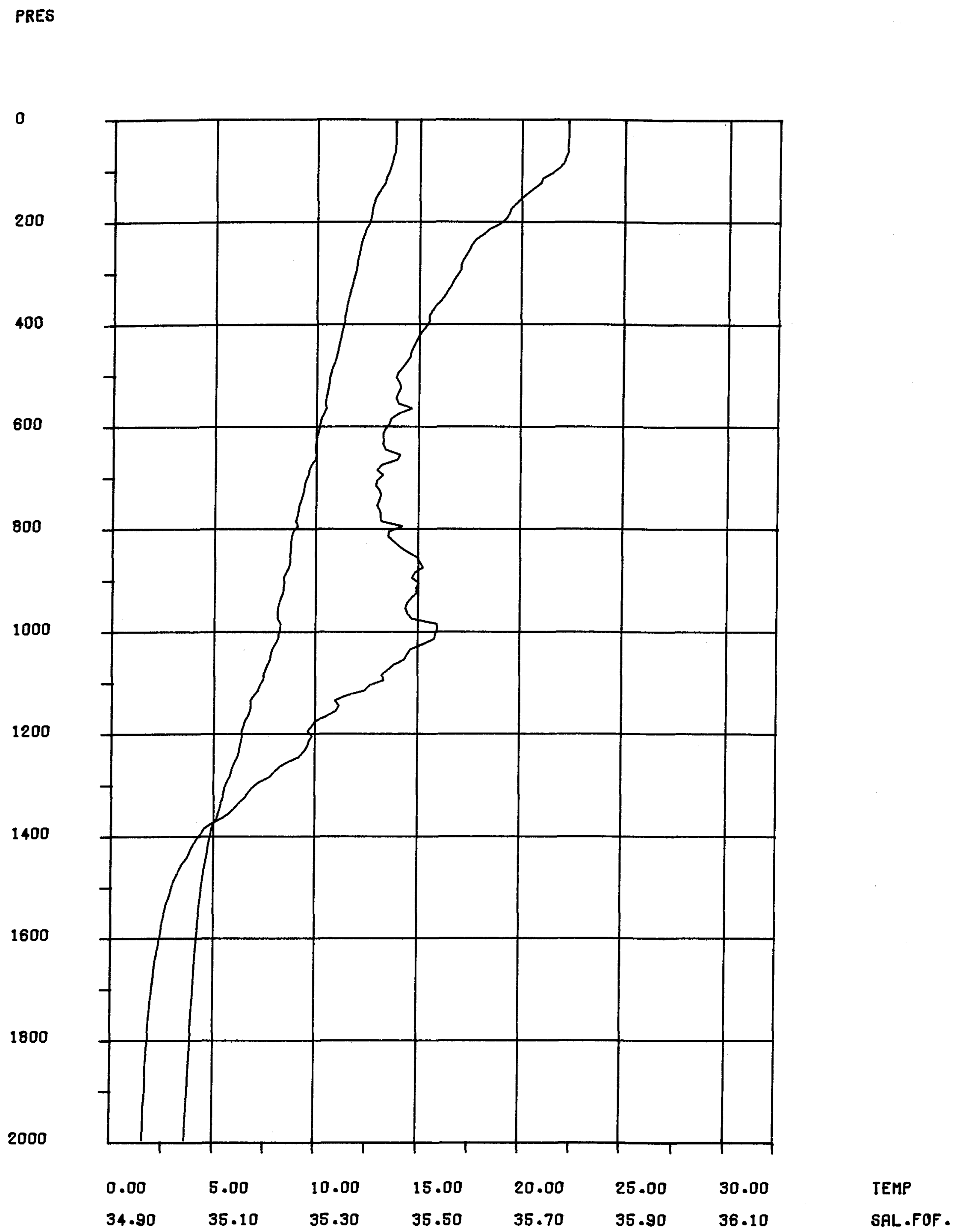


Fig 14

PLOTXY PMS DISCOVERY 81 STATION 9346 40 59N 25 28W 04JAN80

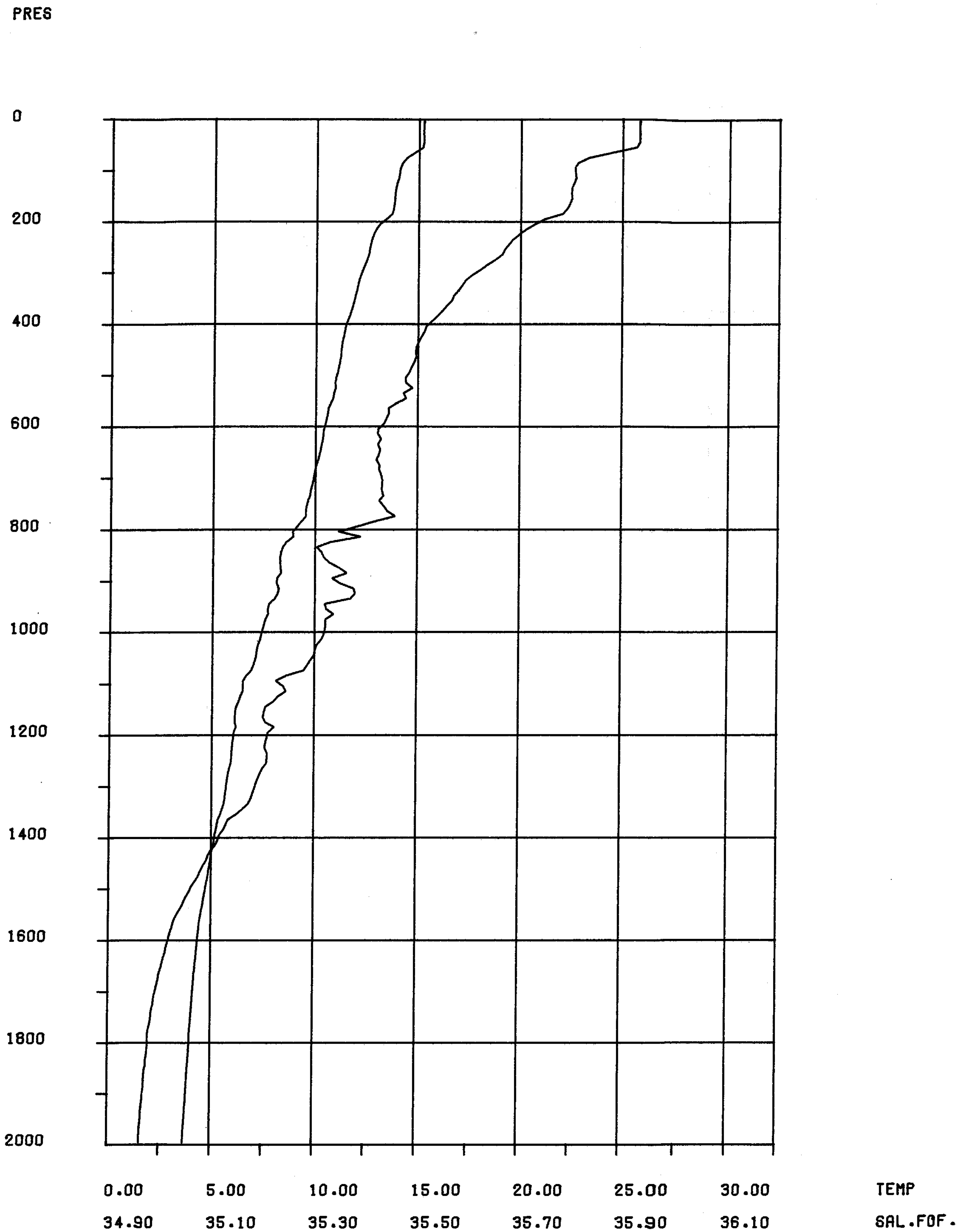


Fig 15

PLOTXY PMS DISCOVERY 81 STATION 9340 41 02N 24 53W 08JAN80

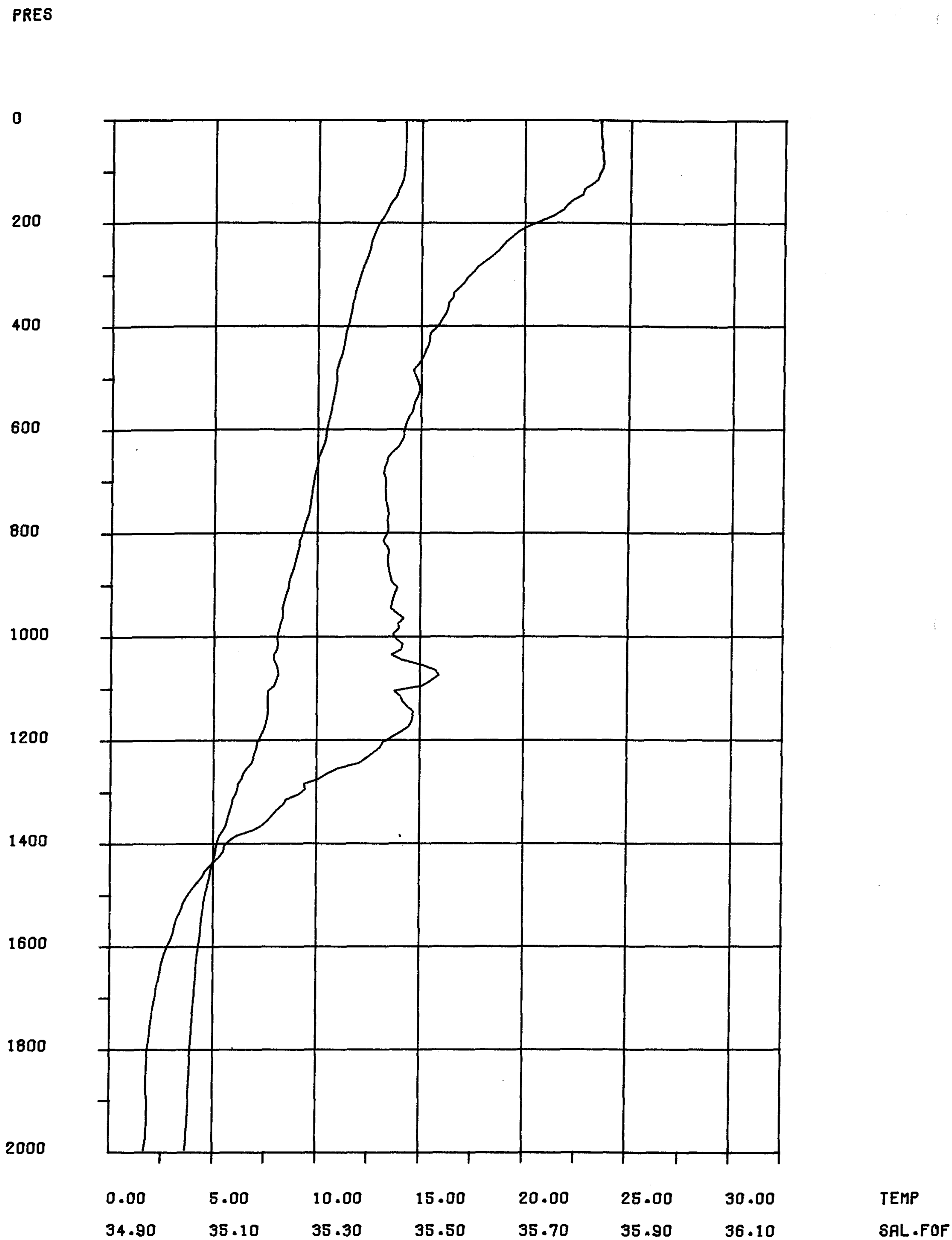


Fig 16

PLOTXY PMS DISCOVERY 81 STATION 9399 41 03N 24 24W 07JAN80

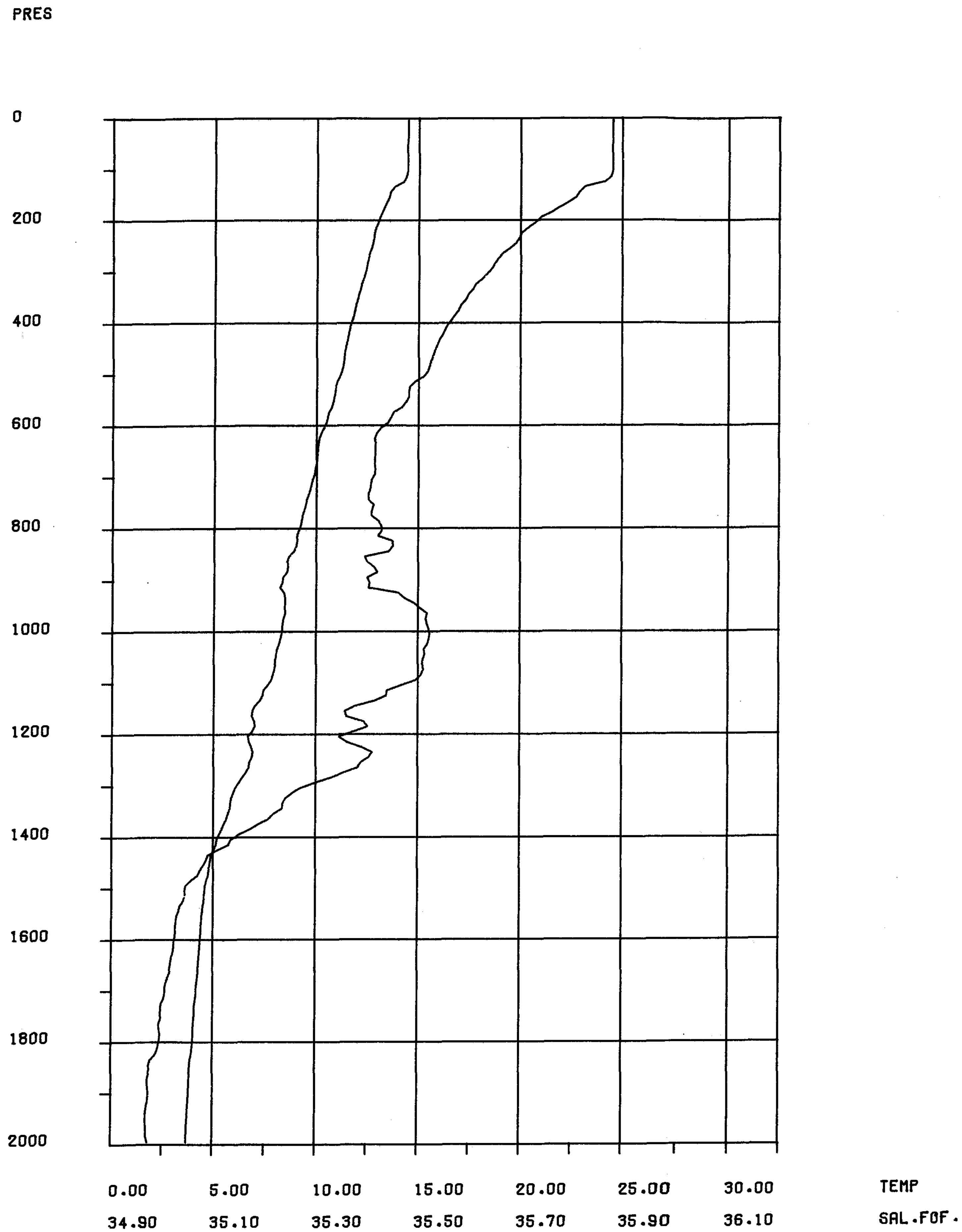


Fig 17

PLOTXY PMS DISCOVERY 81 STATION 9398 41 06N 23 50W 10JAN80

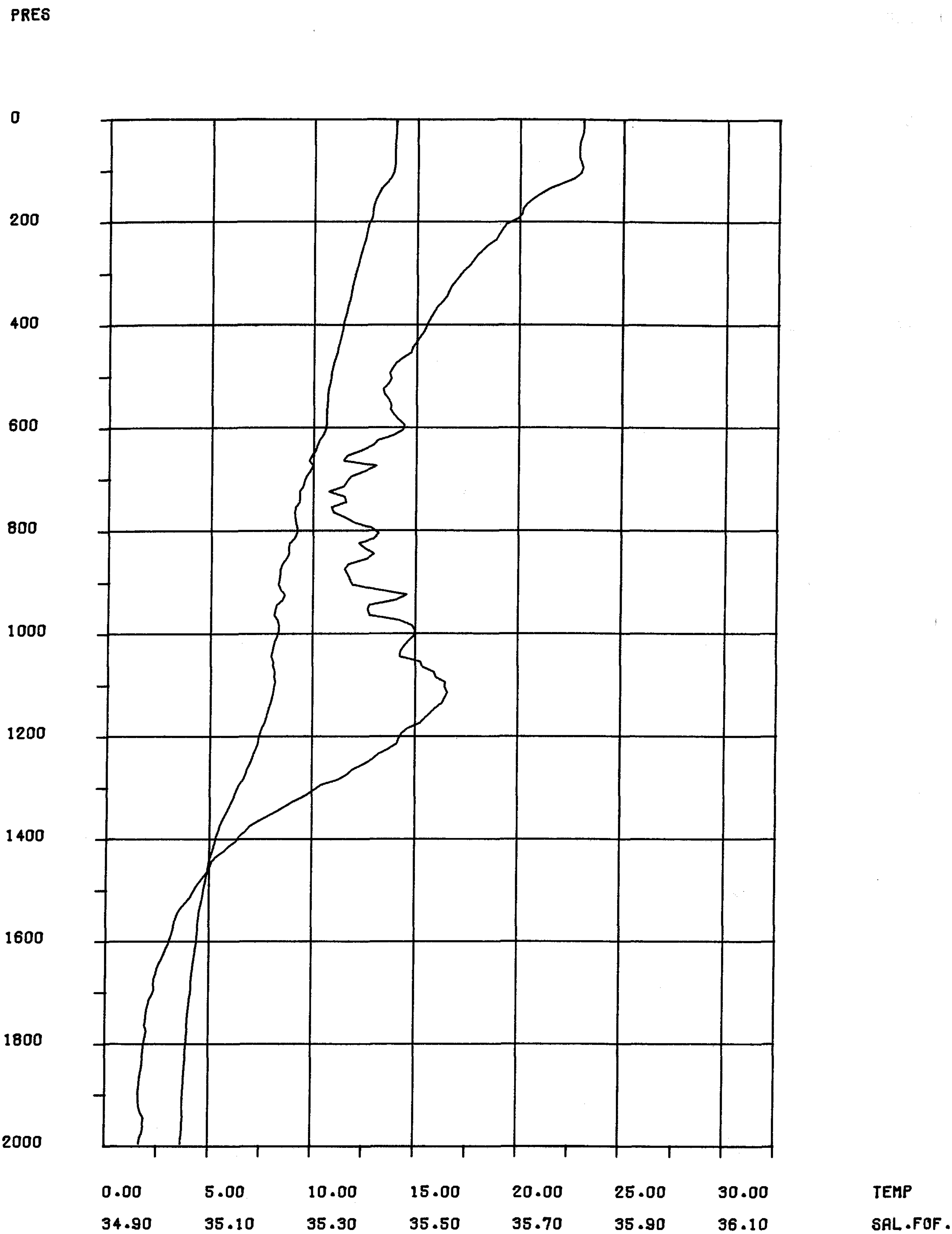


Fig 18

PLOTXY PMS DISCOVERY 81 STATION 9400 41 06N 23 22W 07JAN80

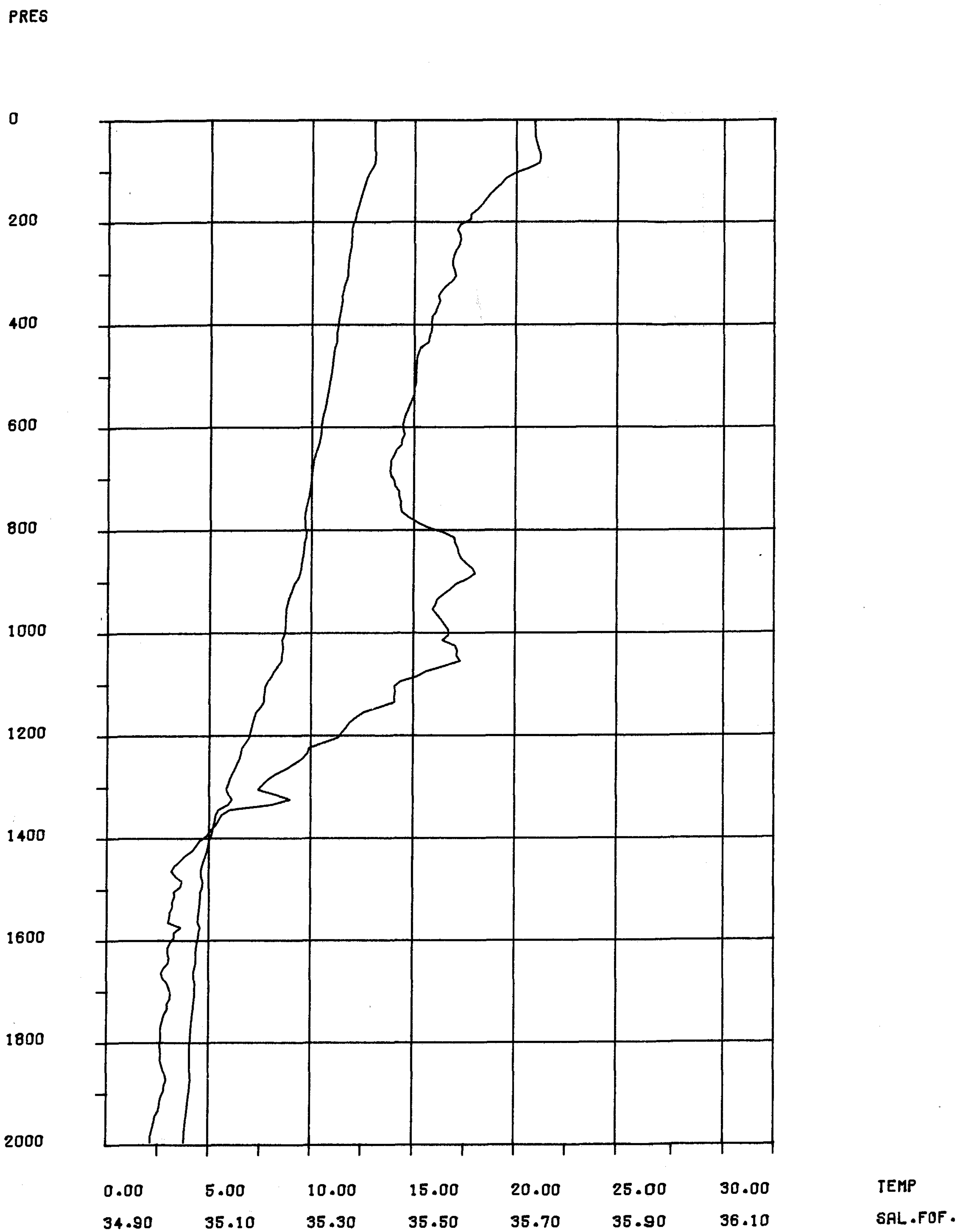


Fig 19

PLOTXY PMS DISCOVERY 81 STATION 9397 41 11N 22 53W 07JAN80

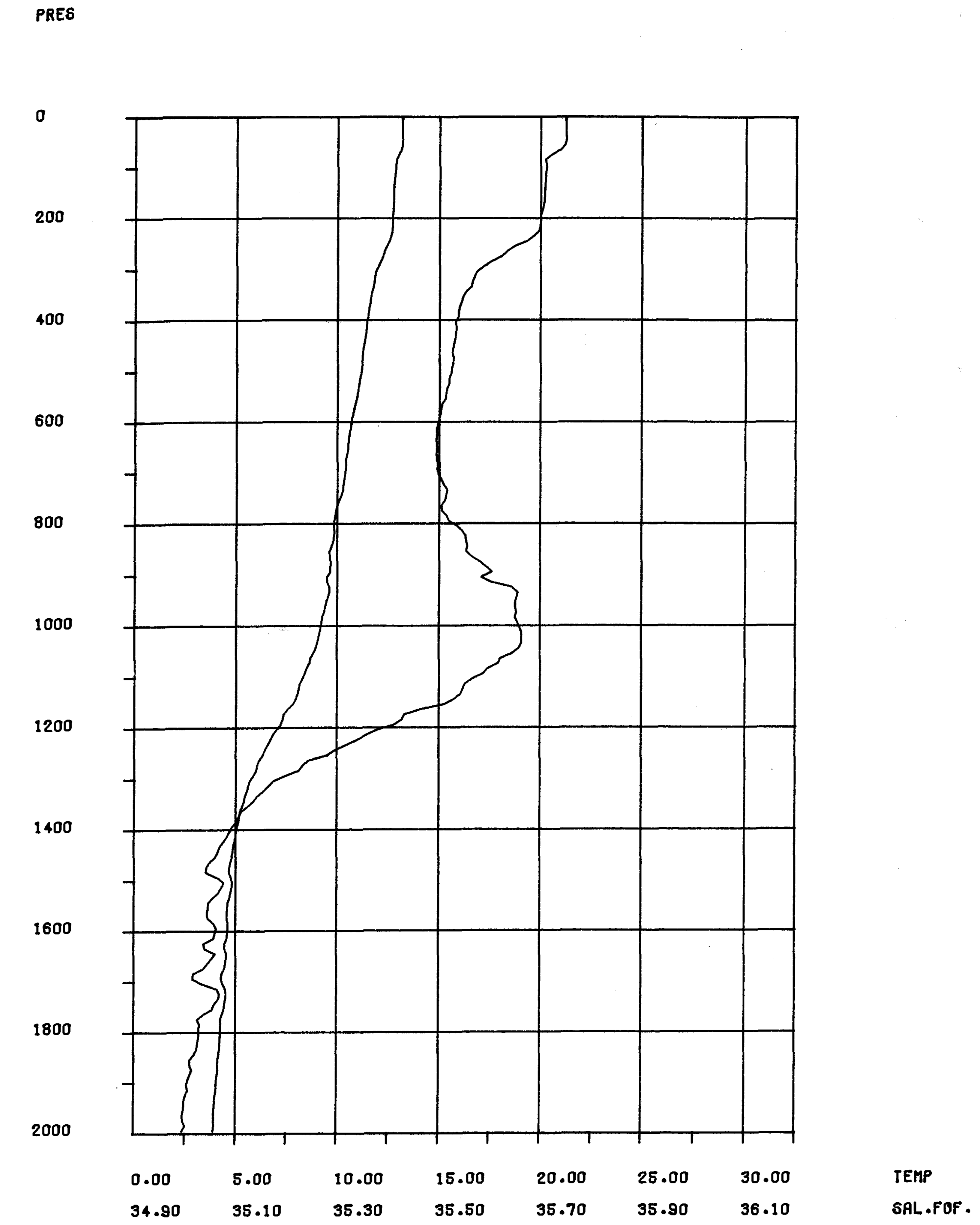


Fig 20

PLOTXY PMS DISCOVERY 81 STATION 9401 41 13N 22 21W 07JAN80

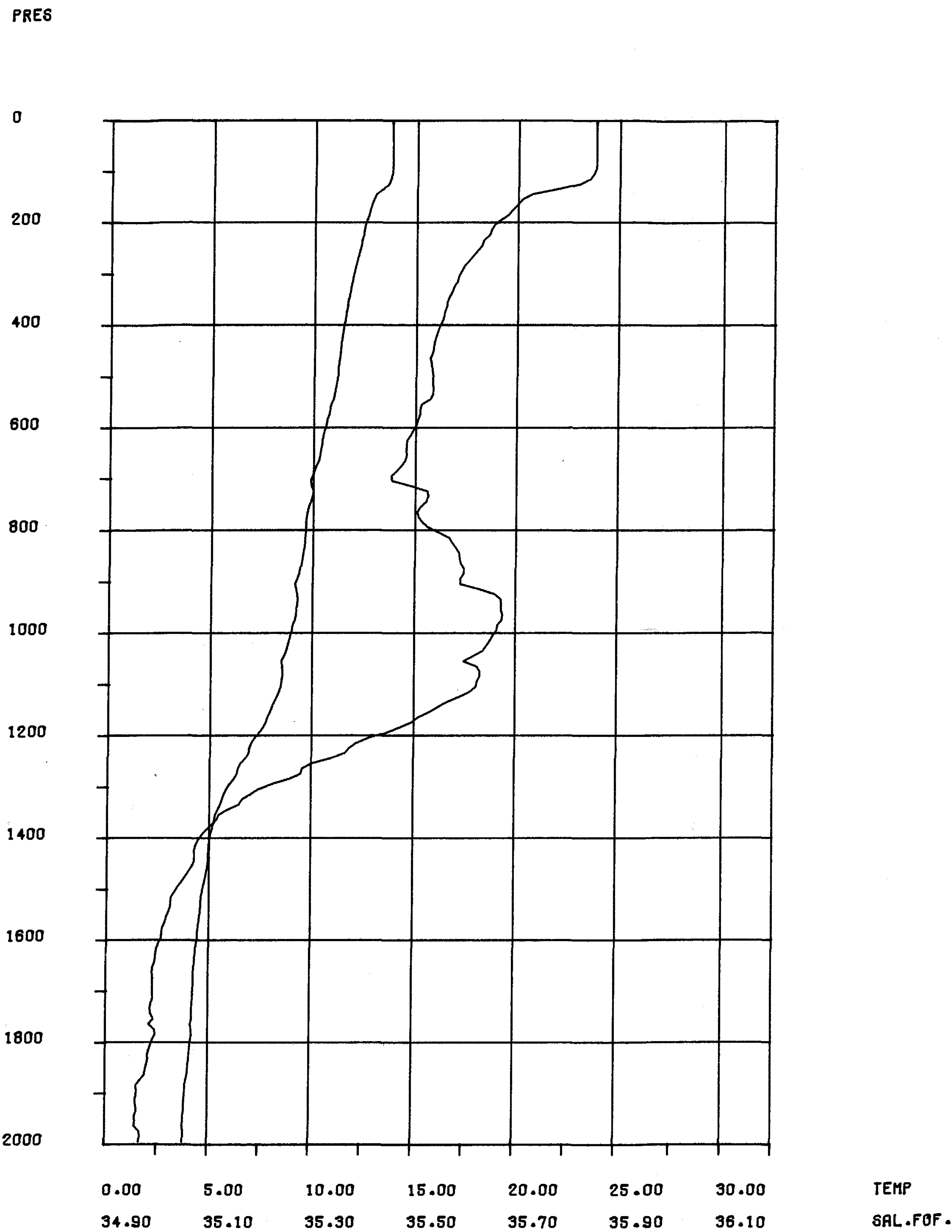


Fig 21

PLOTXY PMS DISCOVERY 81 STATION 9396 41 17N 21 48W 07JAN80

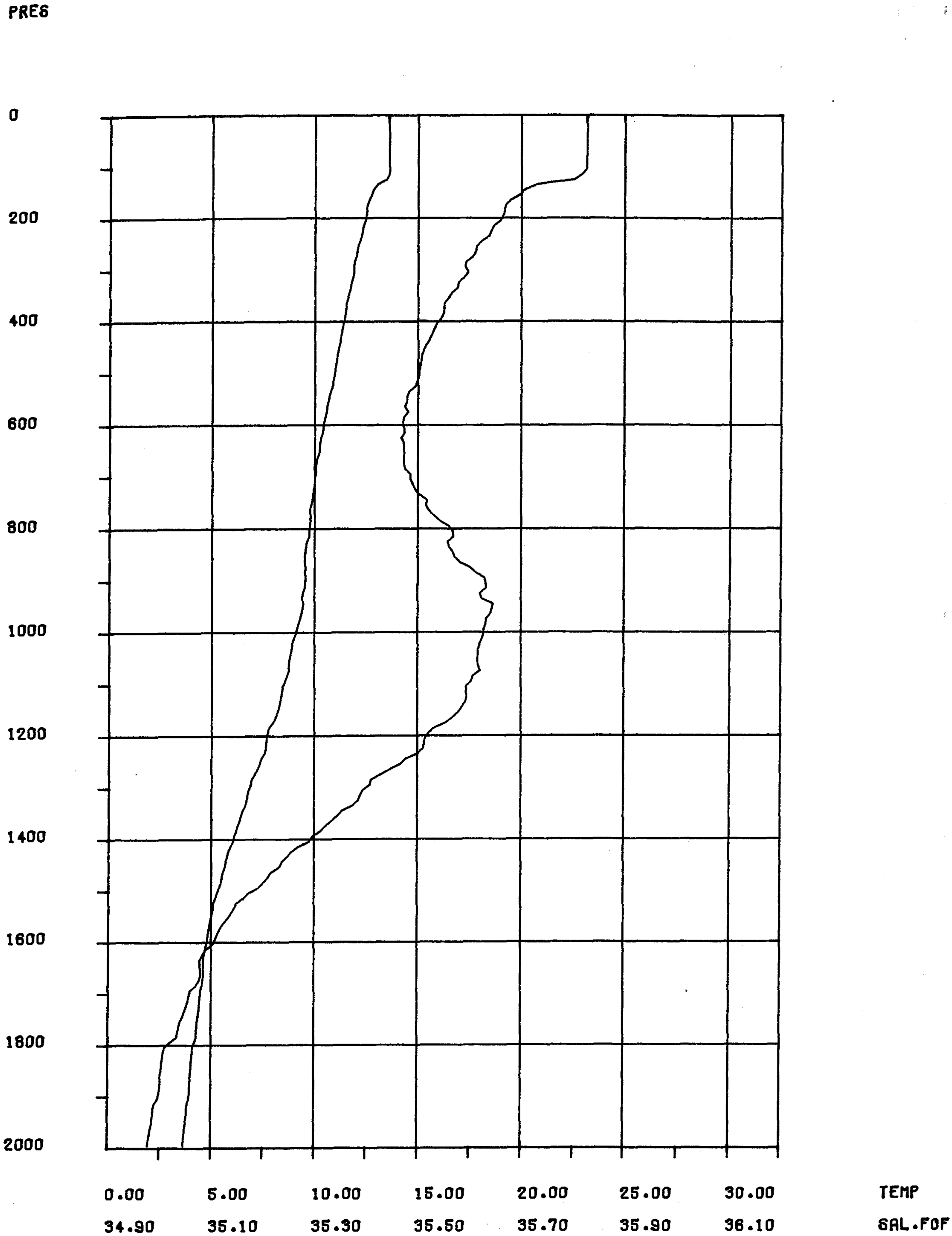


Fig 22

PLOTXY PMS DISCOVERY 81 STATION 9402 41 20N 21 13W 07JAN80

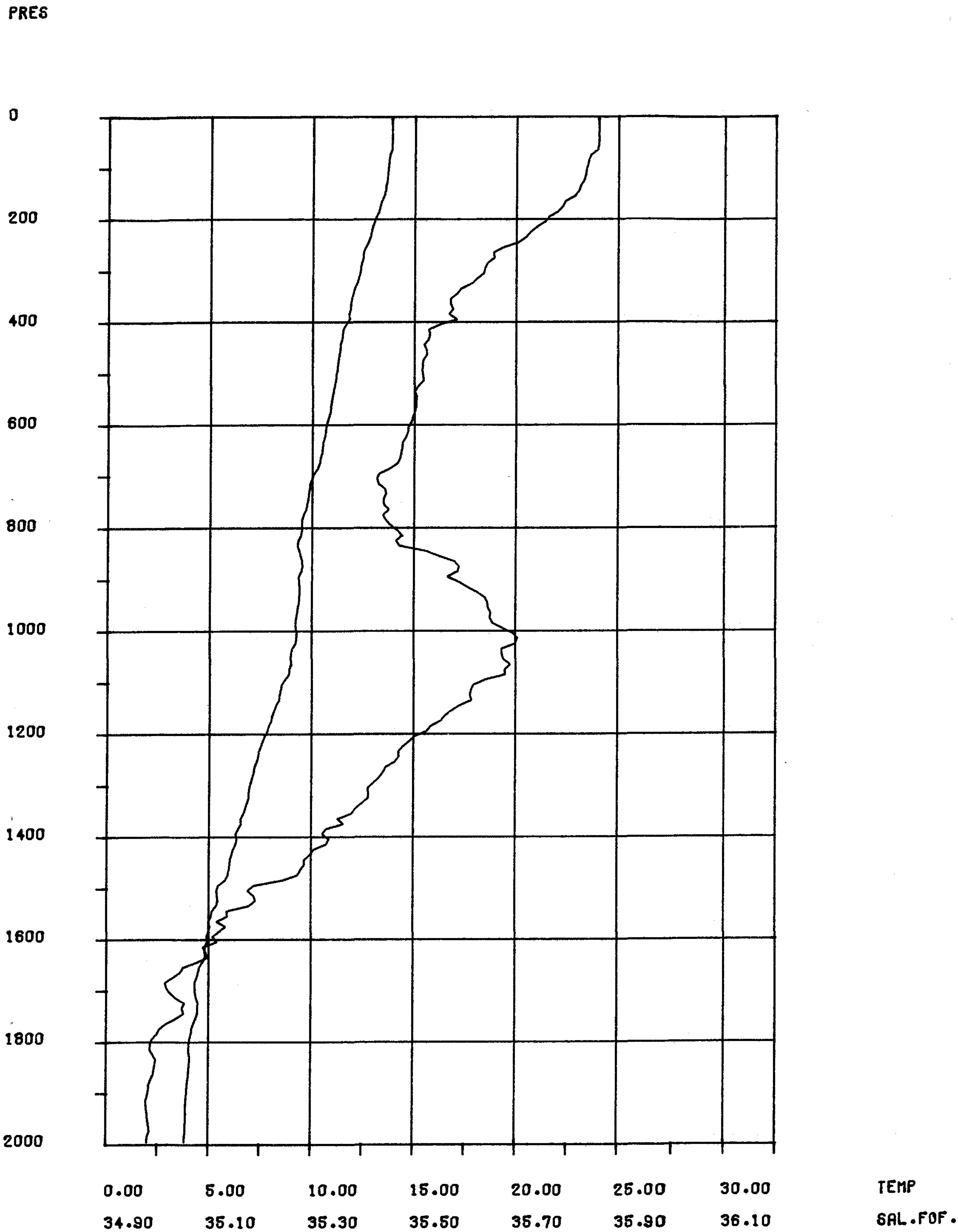


Fig 23

PLOTXY PMS DISCOVERY 81 STATION 9395 41 24N 20 39W 07JAN80

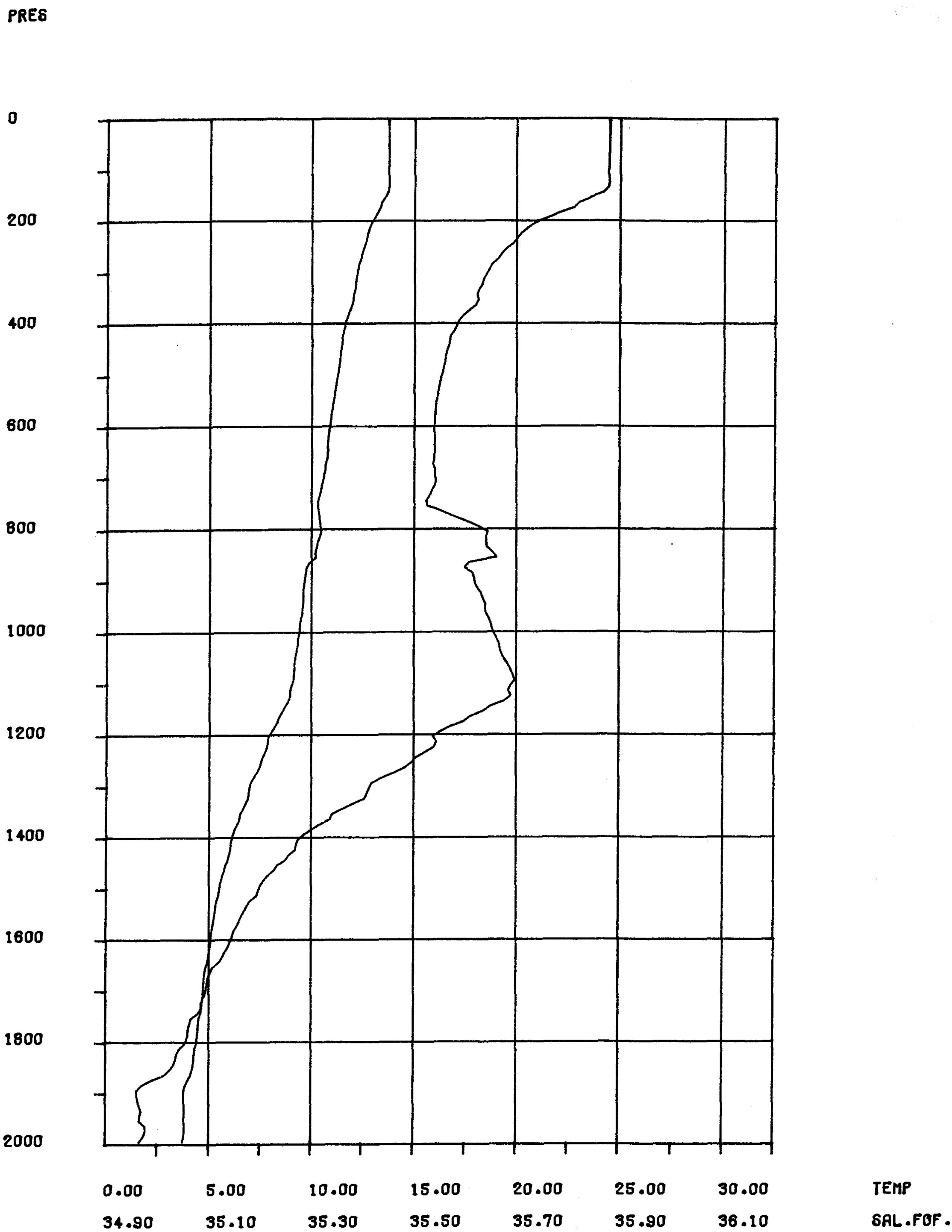


Fig 24

PLOTXY PMS DISCOVERY 81 STATION 9403 41 26N 20 08W 07JAN80

Fig 25

PLOTXY PMS DISCOVERY 81 STATION 9394 41 30N 19 33W 08JAN80

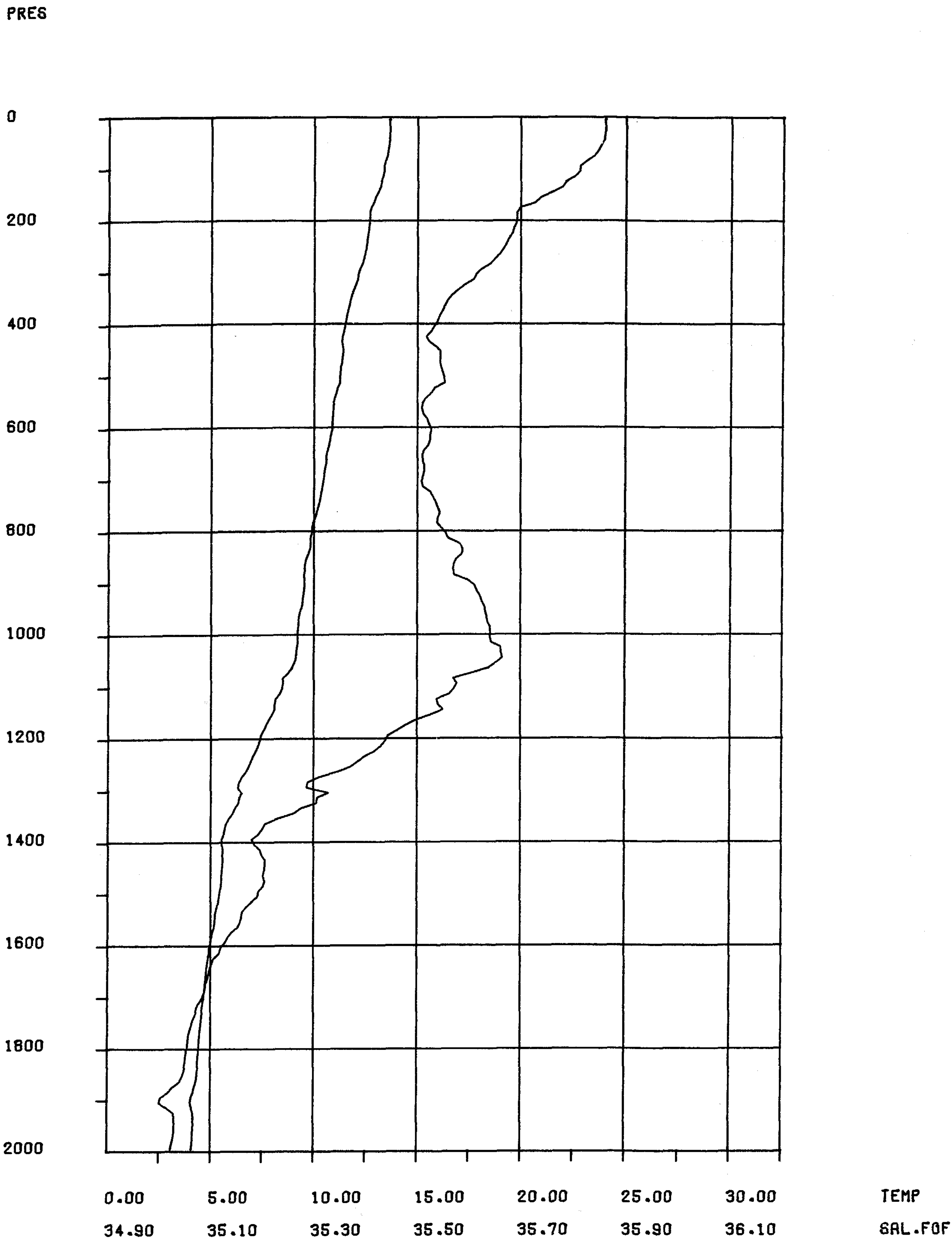


Fig 26

PLOTXY PMS DISCOVERY 81 STATION 9404 41 31N 18 50W 08JAN80

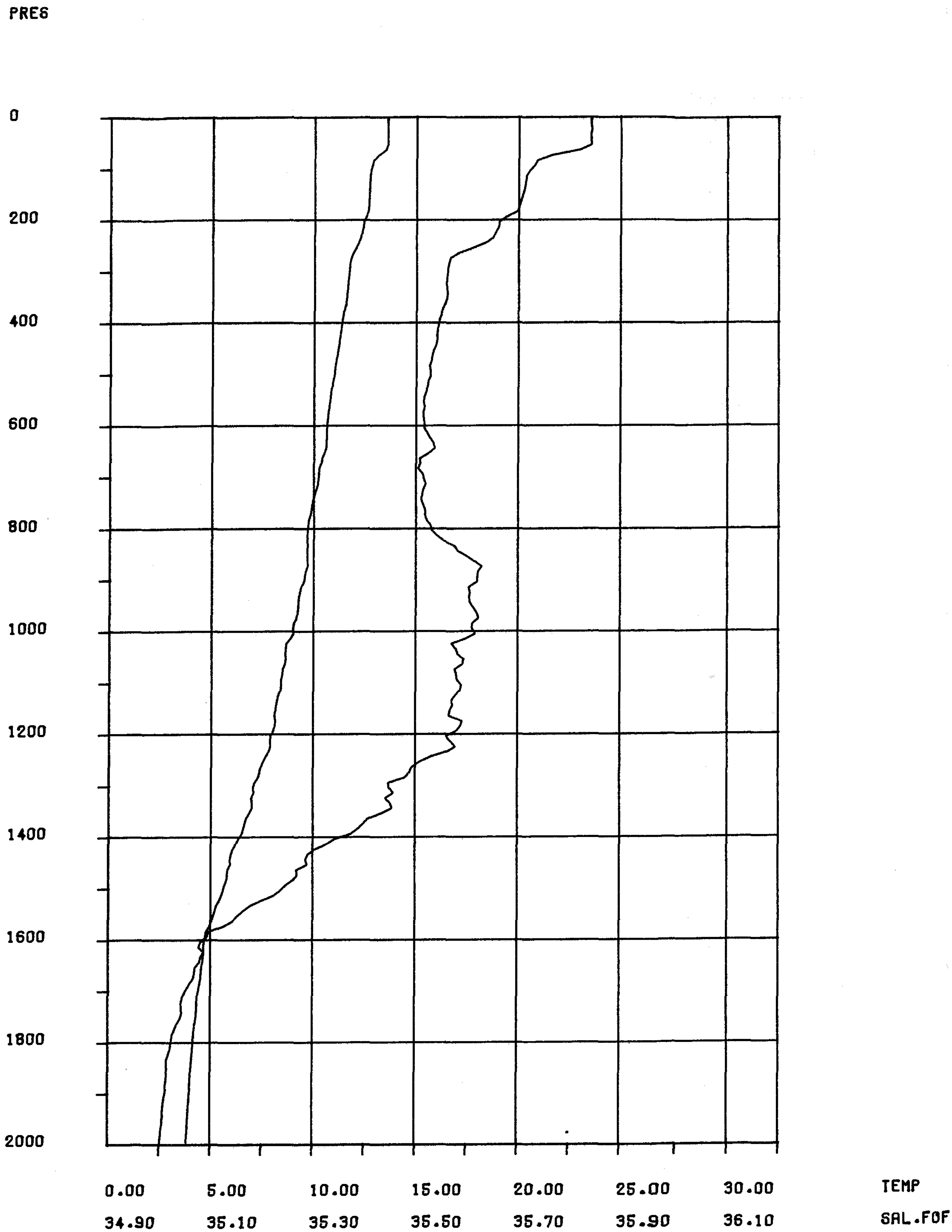


Fig 27

PLOTXY PMS DISCOVERY 81 STATION 9393 41 36N 18 31W 08JAN80

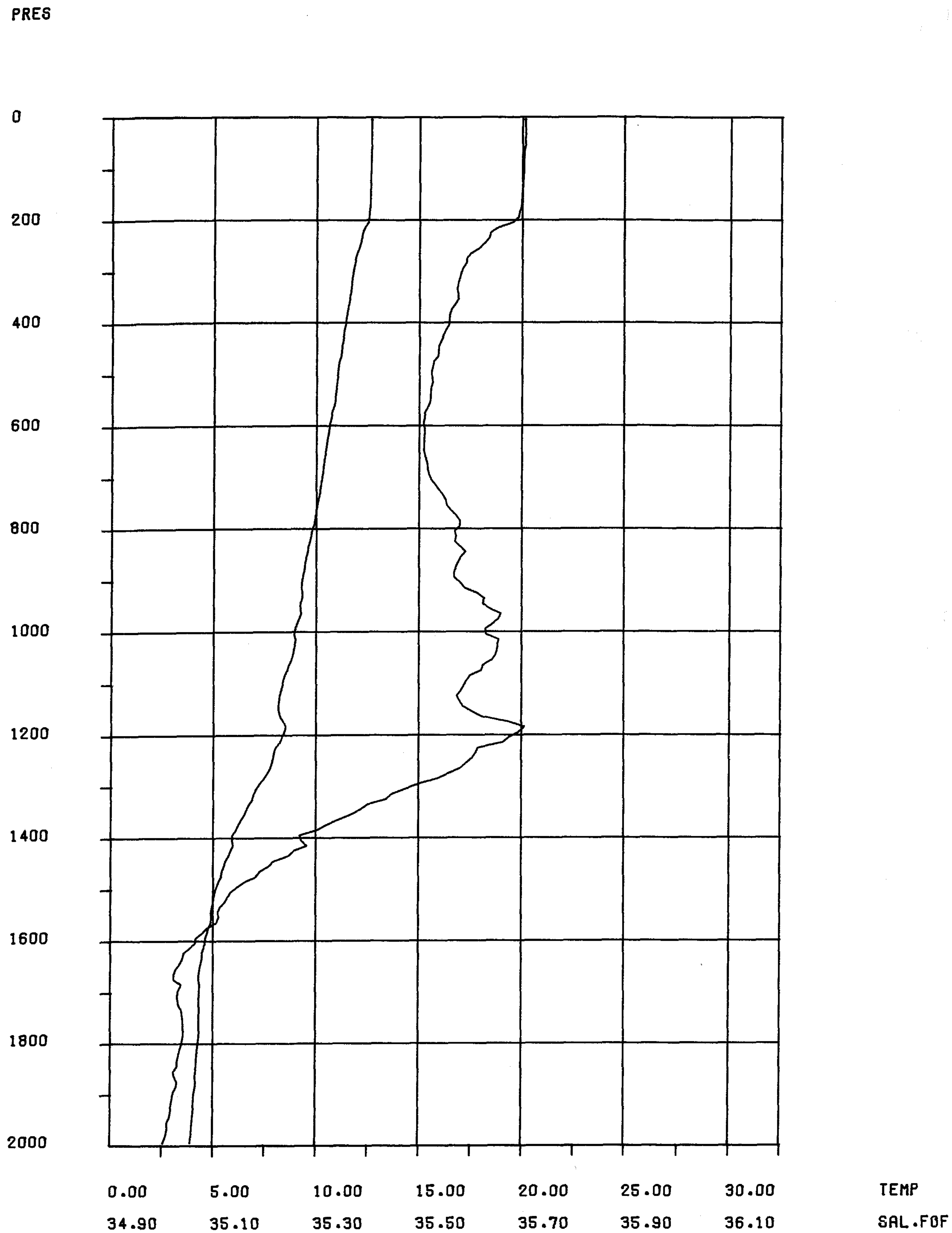


Fig 28

PLOTXY PMS DISCOVERY 81 STATION 9405 41 37N 18 10W 08JAN80

Fig 29

PLOTXY PMS DISCOVERY 81 STATION 9392 41 42N 17 27W 08JAN80

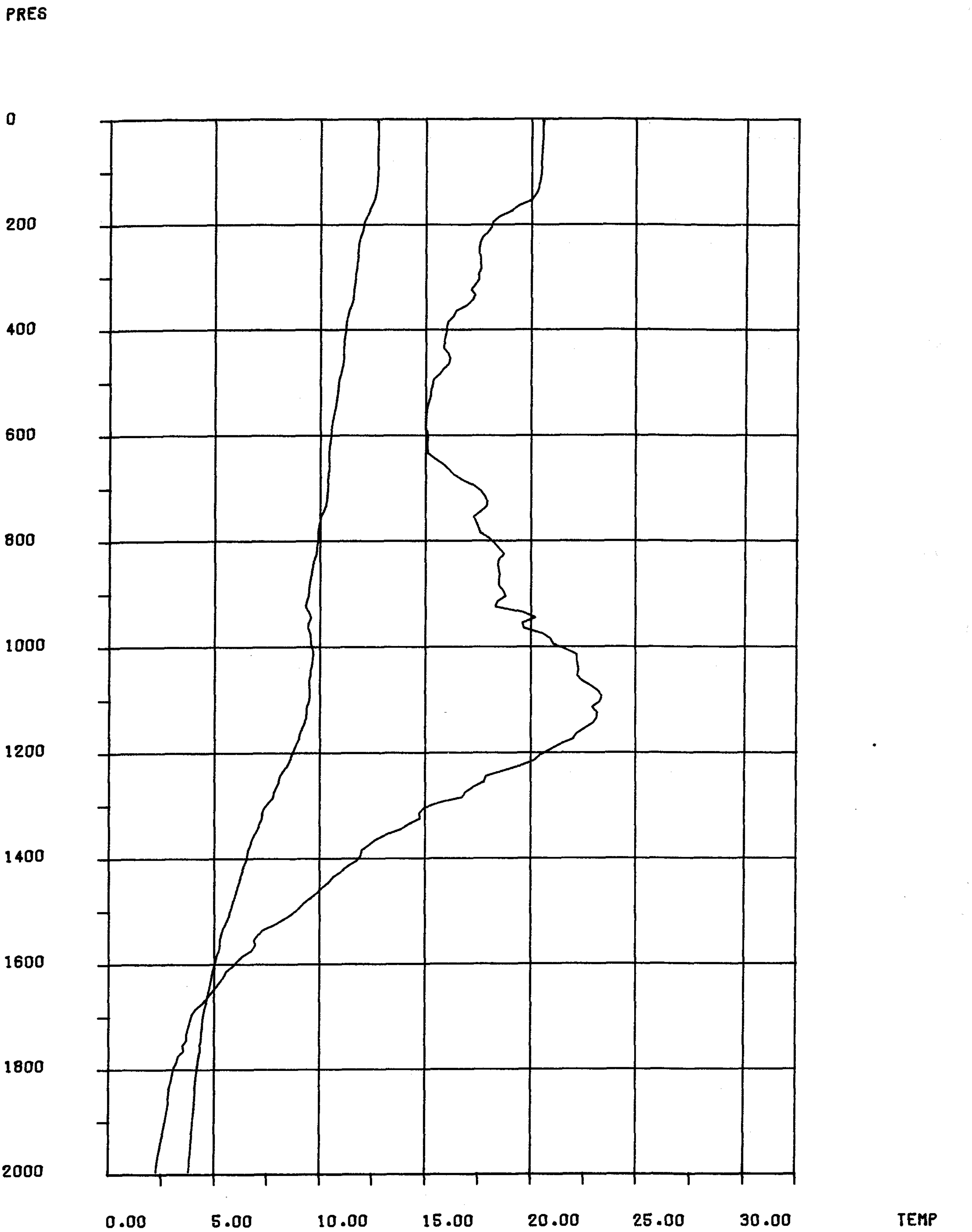


Fig 30

PLOTXY PMS DISCOVERY 81 STATION 9406 41 45N 16 53W 08JAN80

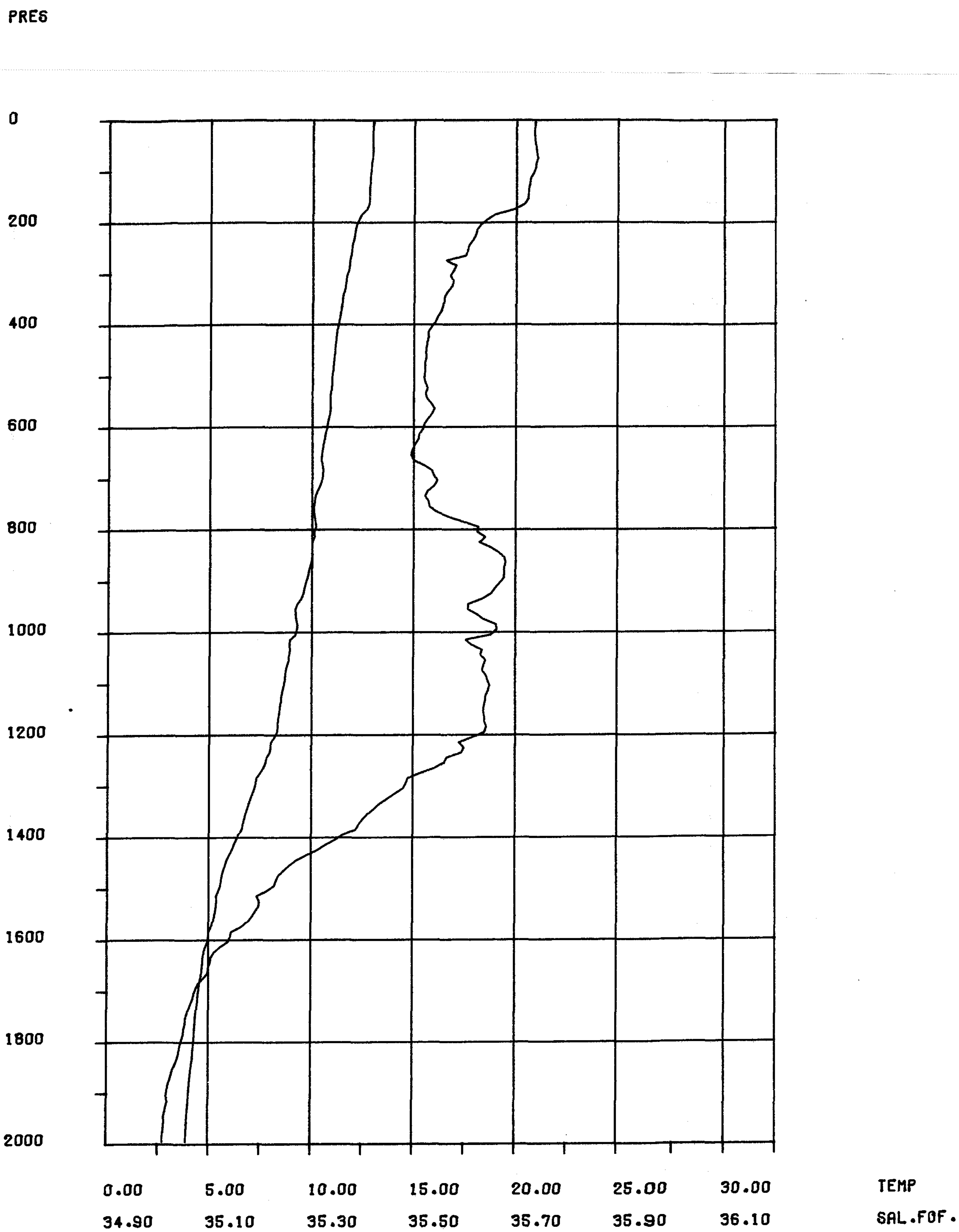


Fig 31

PLOTXY PMS DISCOVERY 81 STATION 9391 41 48N 16 22W 08JAN80

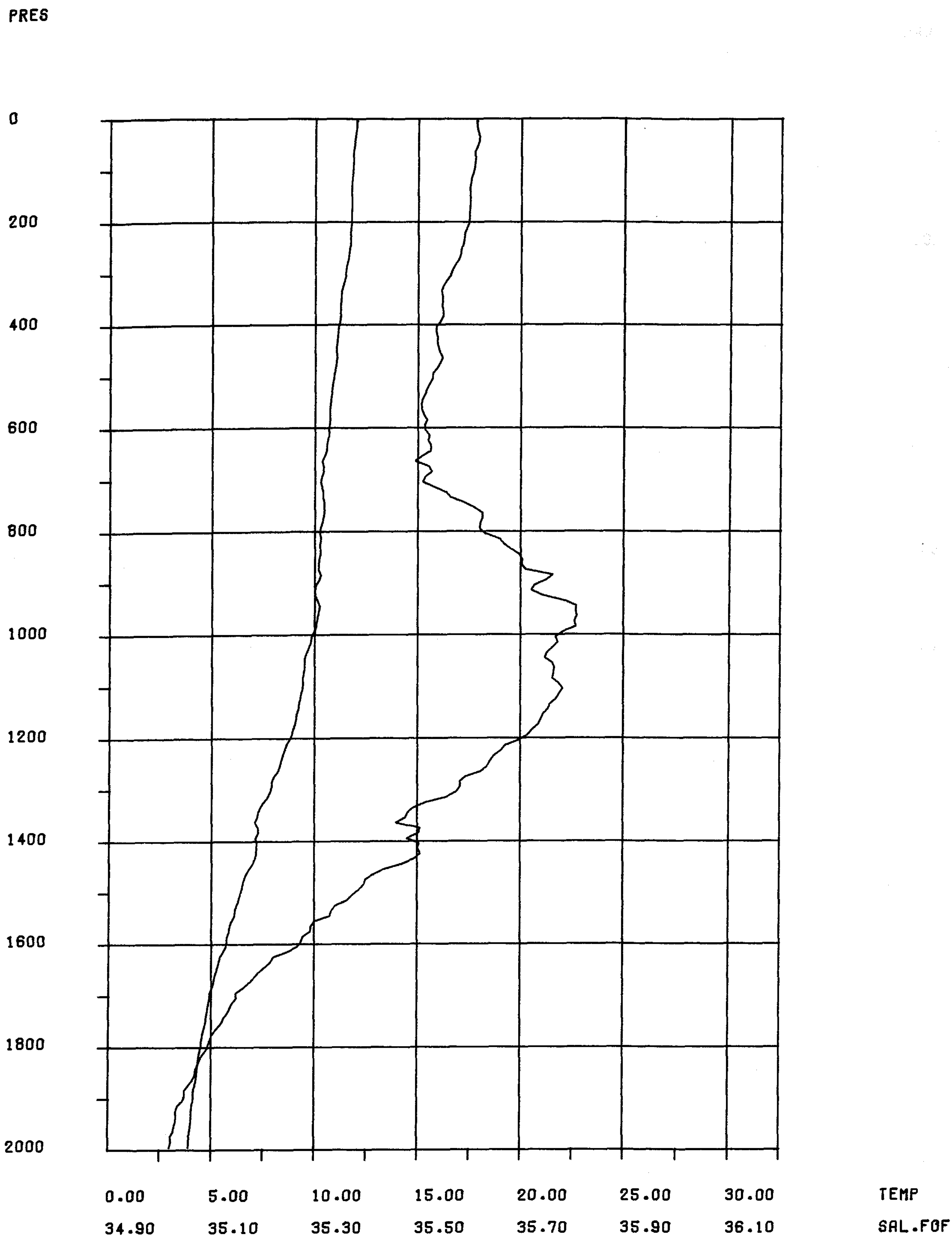


Fig 32

PLOTXY PMS DISCOVERY 81 STATION 9390 41 52N 15 53W 08JAN80

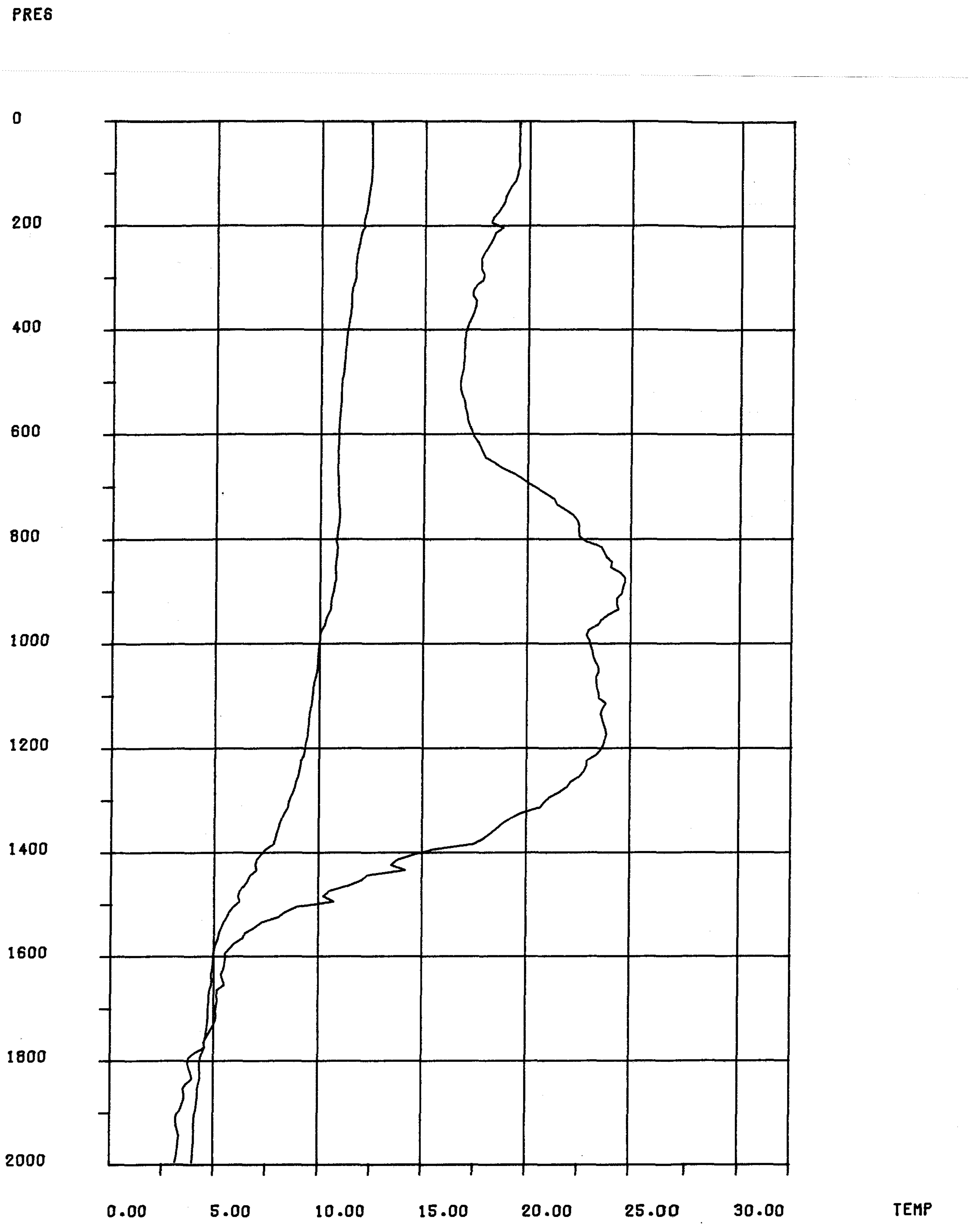


Fig 33

PLOTXY PMS DISCOVERY 81 STATION 9368 41 53N 15 17W 08JAN80

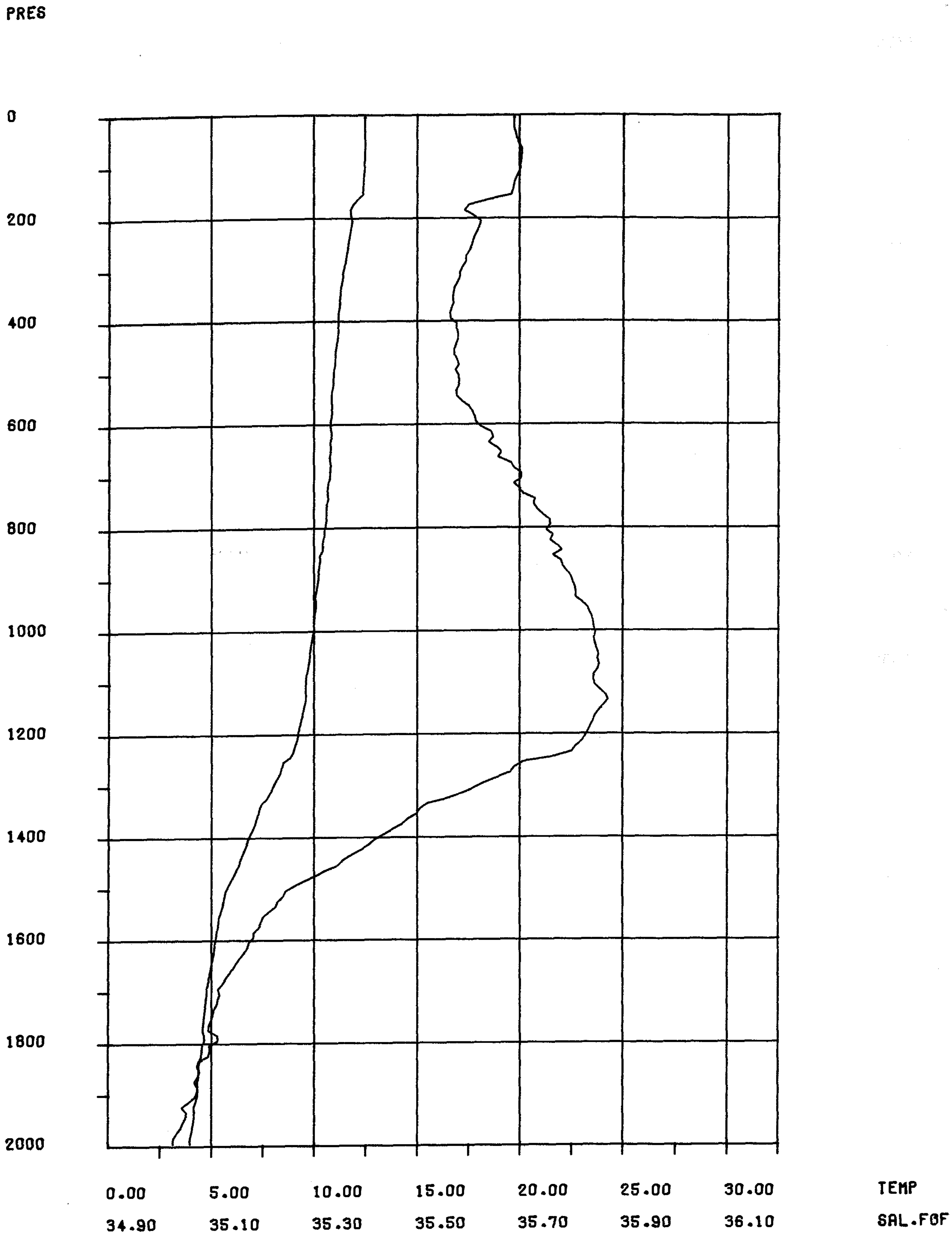


Fig 34

PLØTXY PMS DISCOVERY 81 STATIØN 9389 41 53N 14 40W 08JAN80

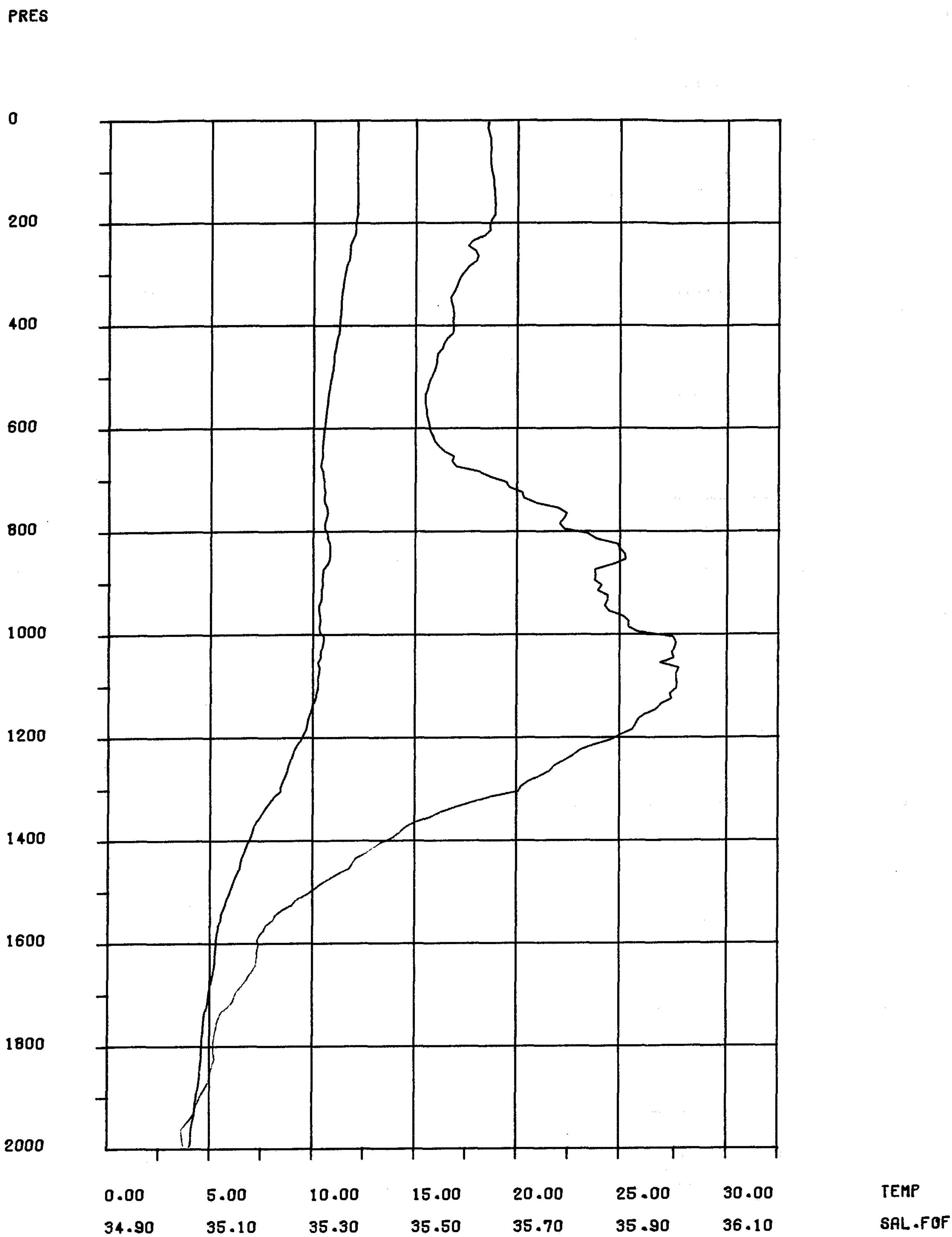


Fig 35

PLOTXY PMS DISCOVERY 81 STATION 9388 41 59N 14 07W 08JAN80

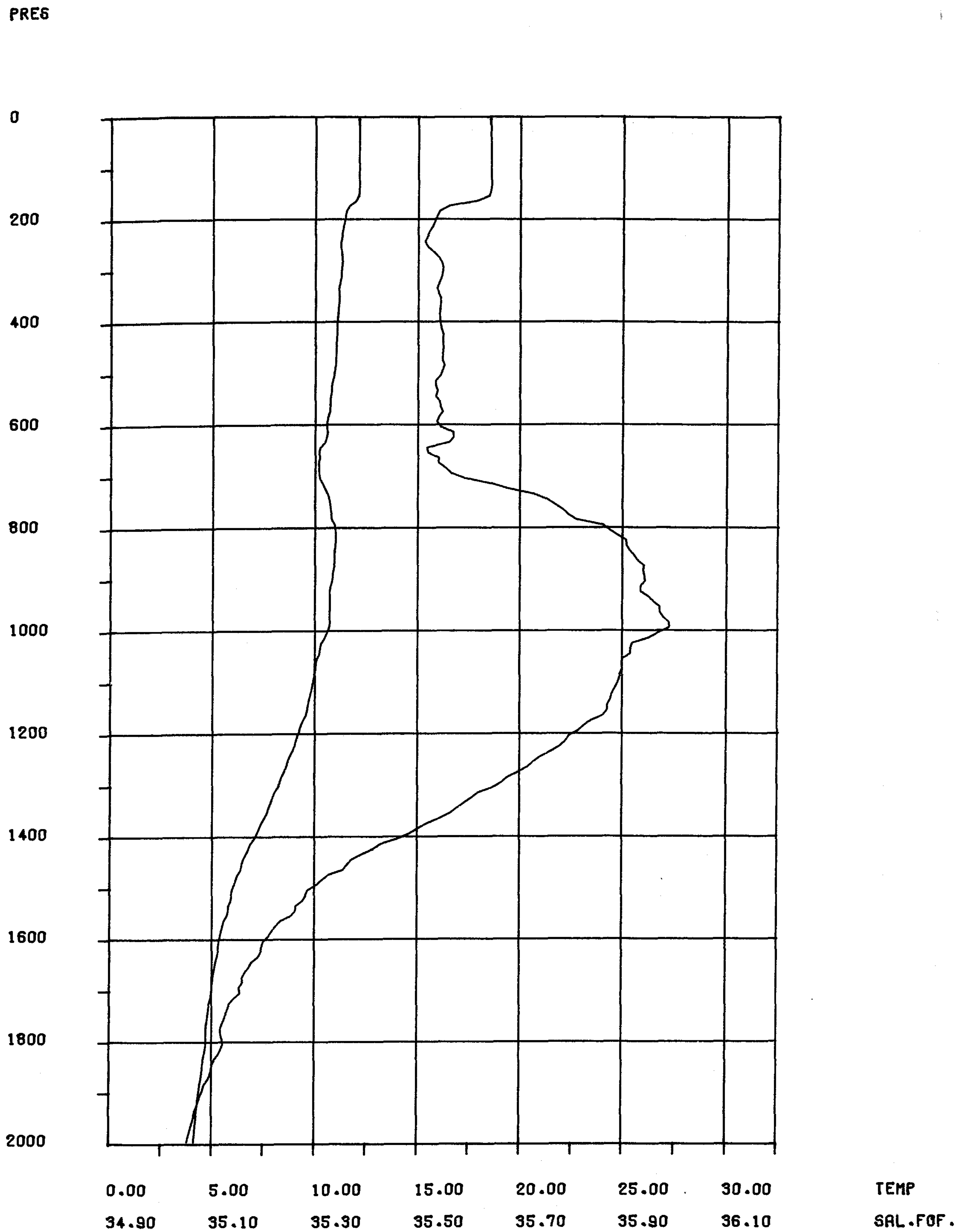


Fig 36

PLOTXY PMS DISCOVERY 81 STATION 9371 41 55N 14 07W 08JAN80

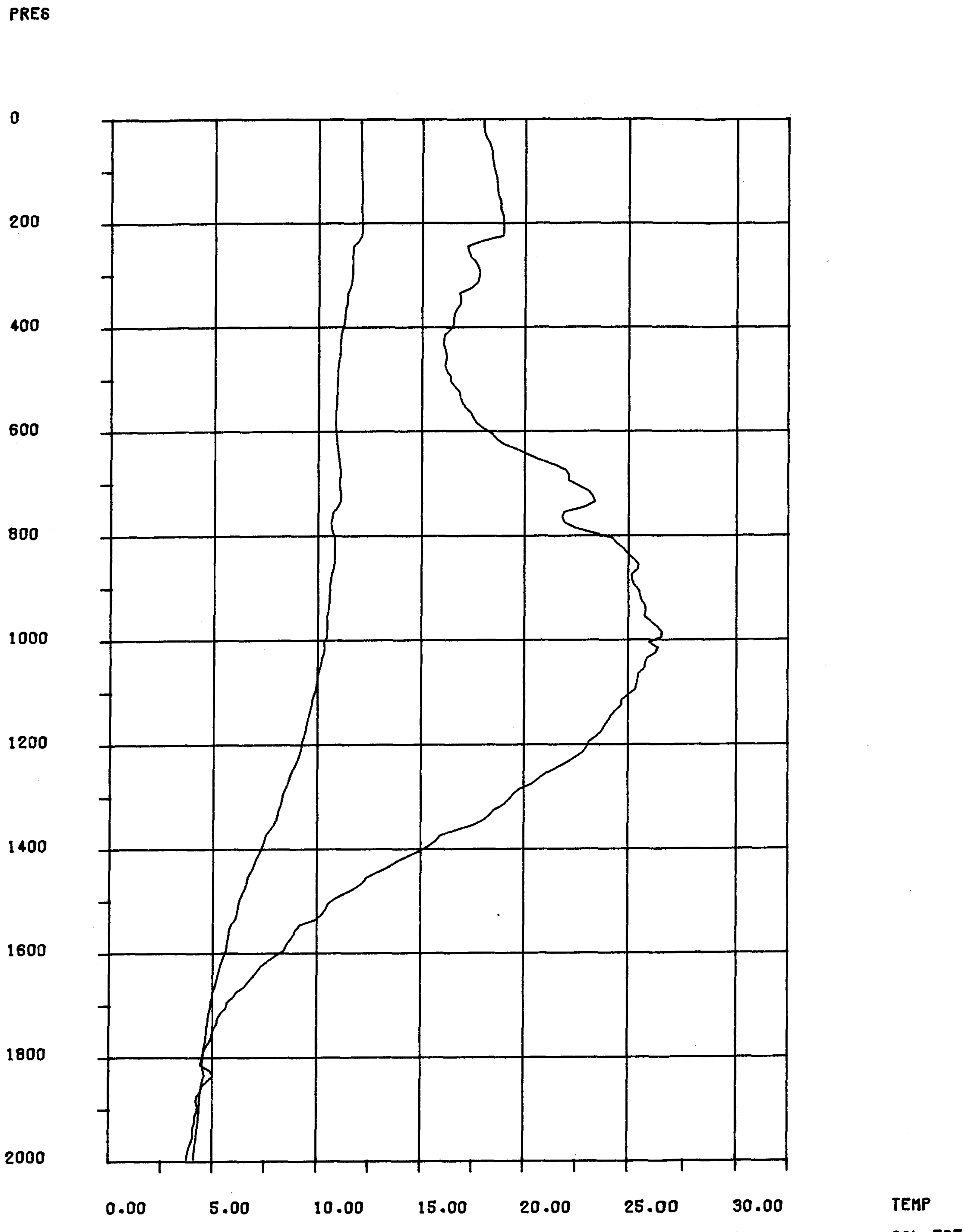


Fig 37

PLOTXY PMS DISCOVERY 81 STATION 9387 41 56N 13 36W 08JAN80

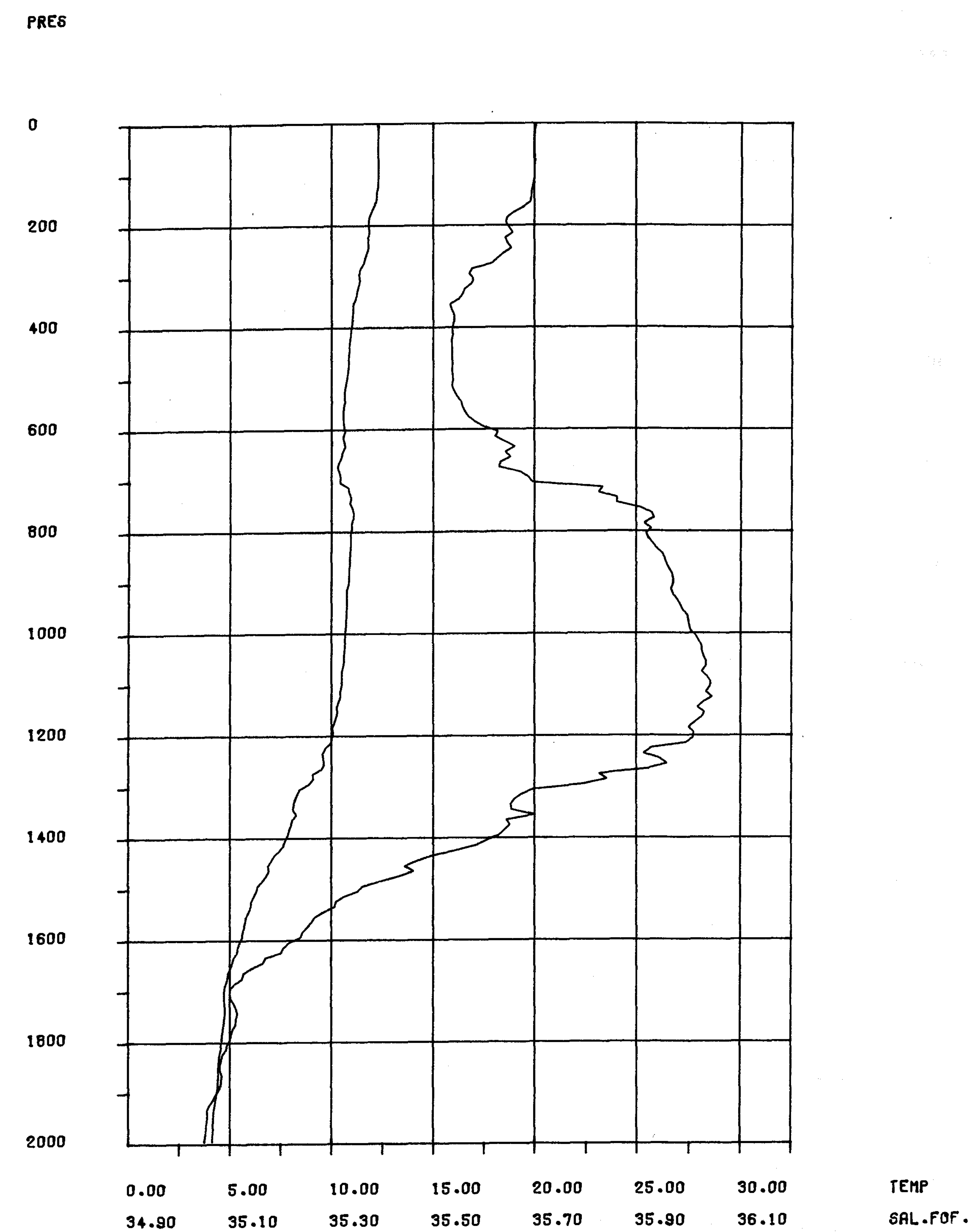


Fig 38

PLOTXY PMS DISCOVERY 81 STATION 9374 42 00N 13 02W 08JAN80

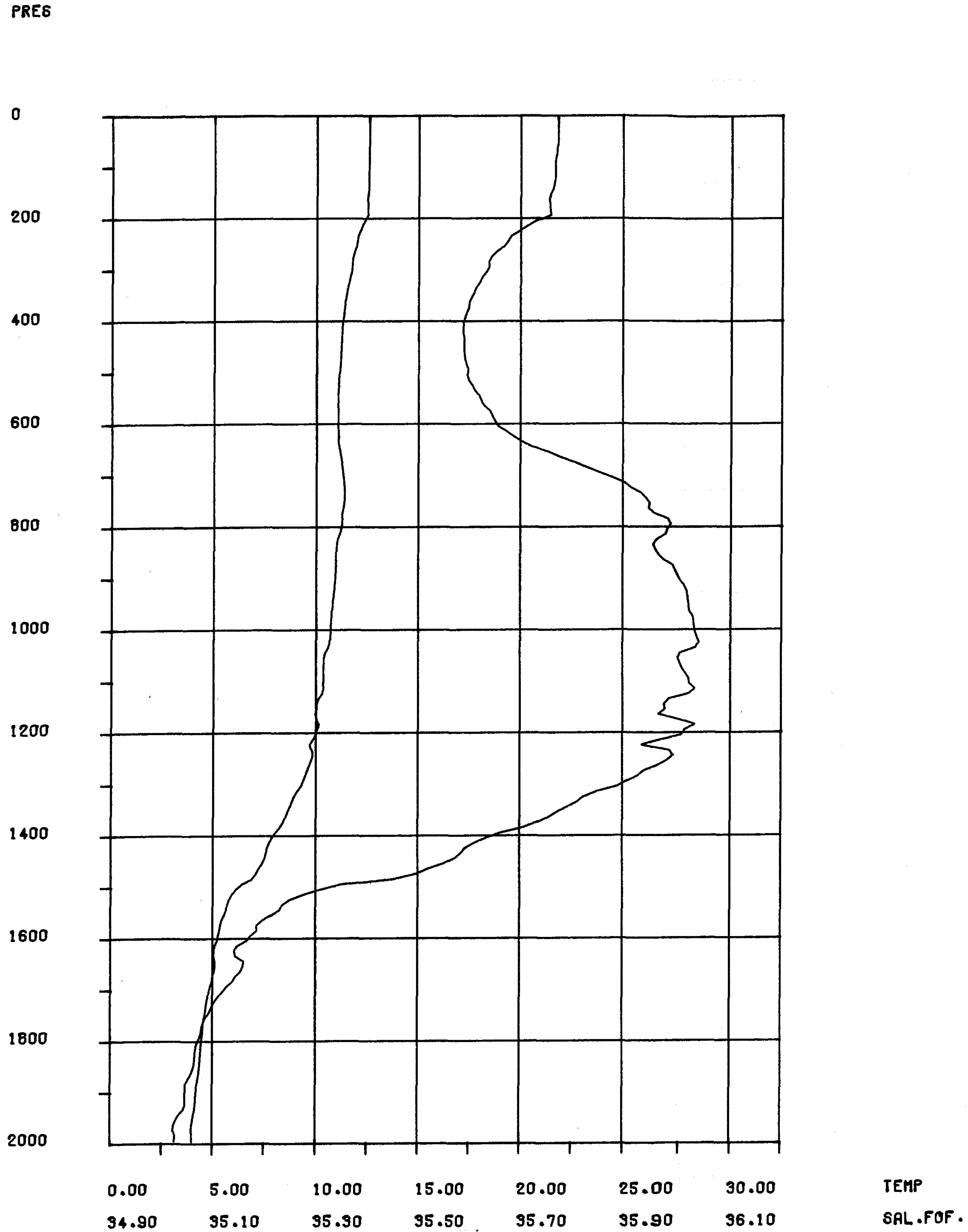


Fig 39

PLOTXY PMS DISCOVERY 81 STATION 9386 42 02N 12 26W 08JAN80

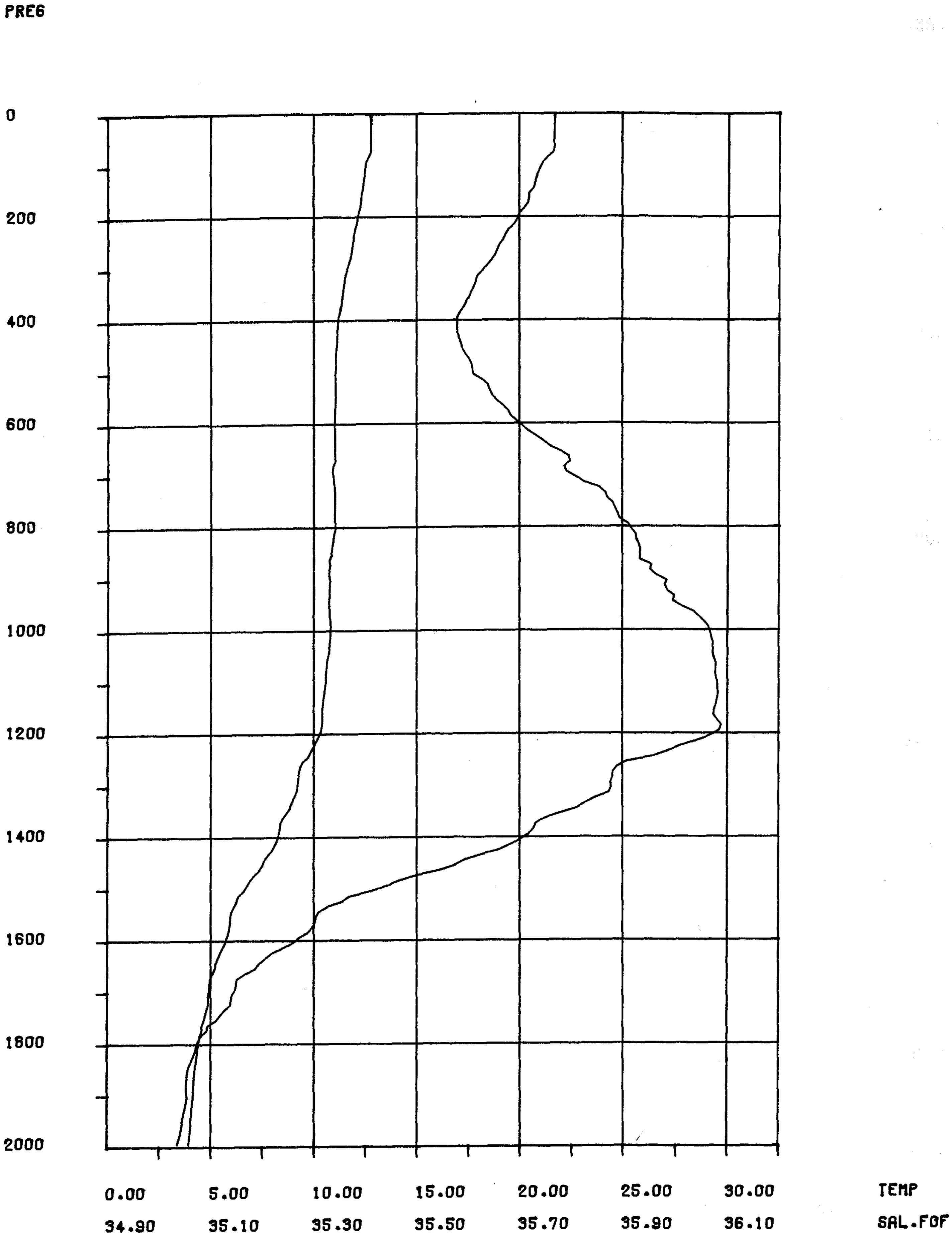


Fig 40

PLOTXY PMS DISCOVERY 81 STATION 9377 42 05N 11 50W 08JAN80

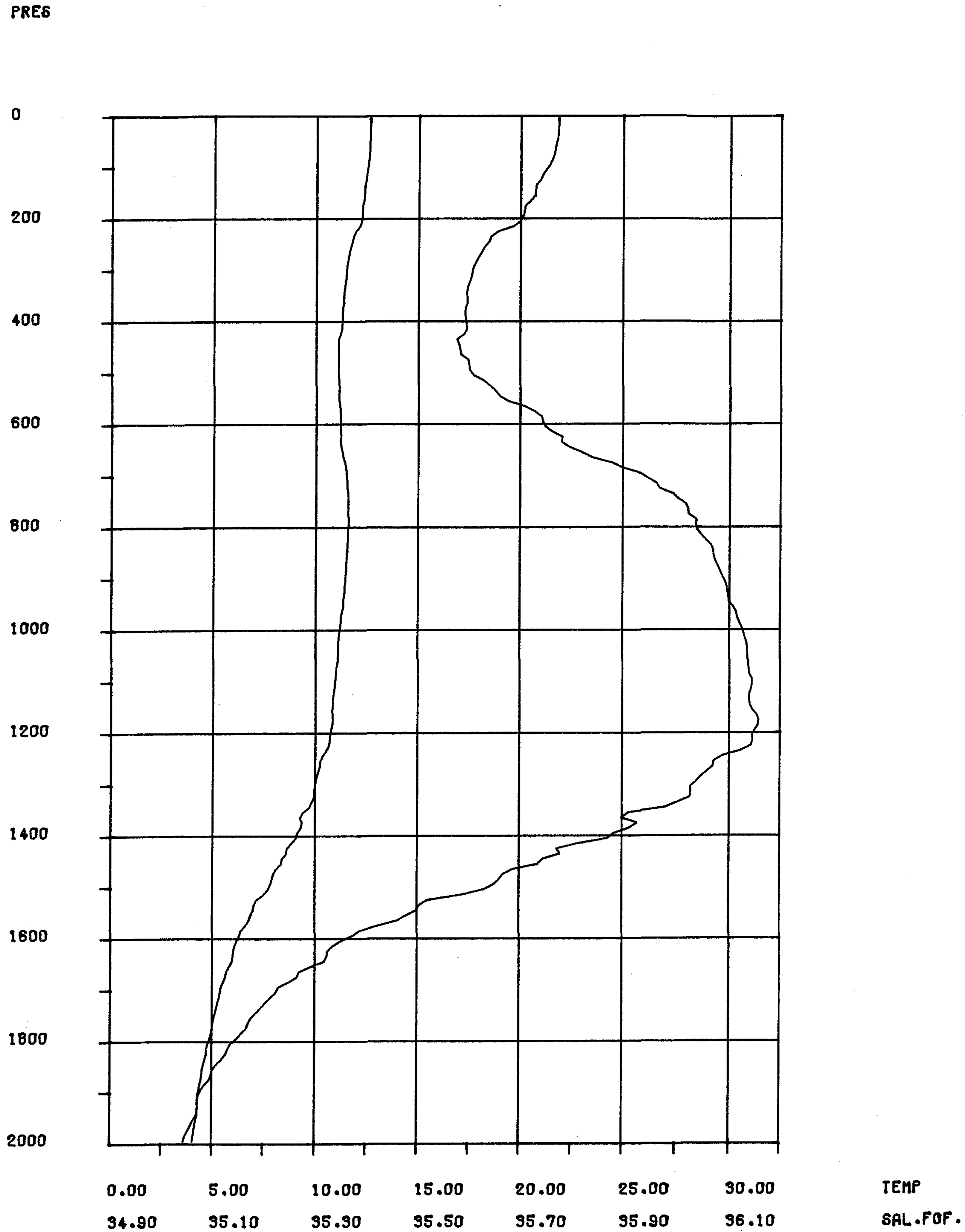


Fig 41

PLOTXY PMS DISCOVERY 81 STATION 9385 42 07N 11 16W 08JAN80

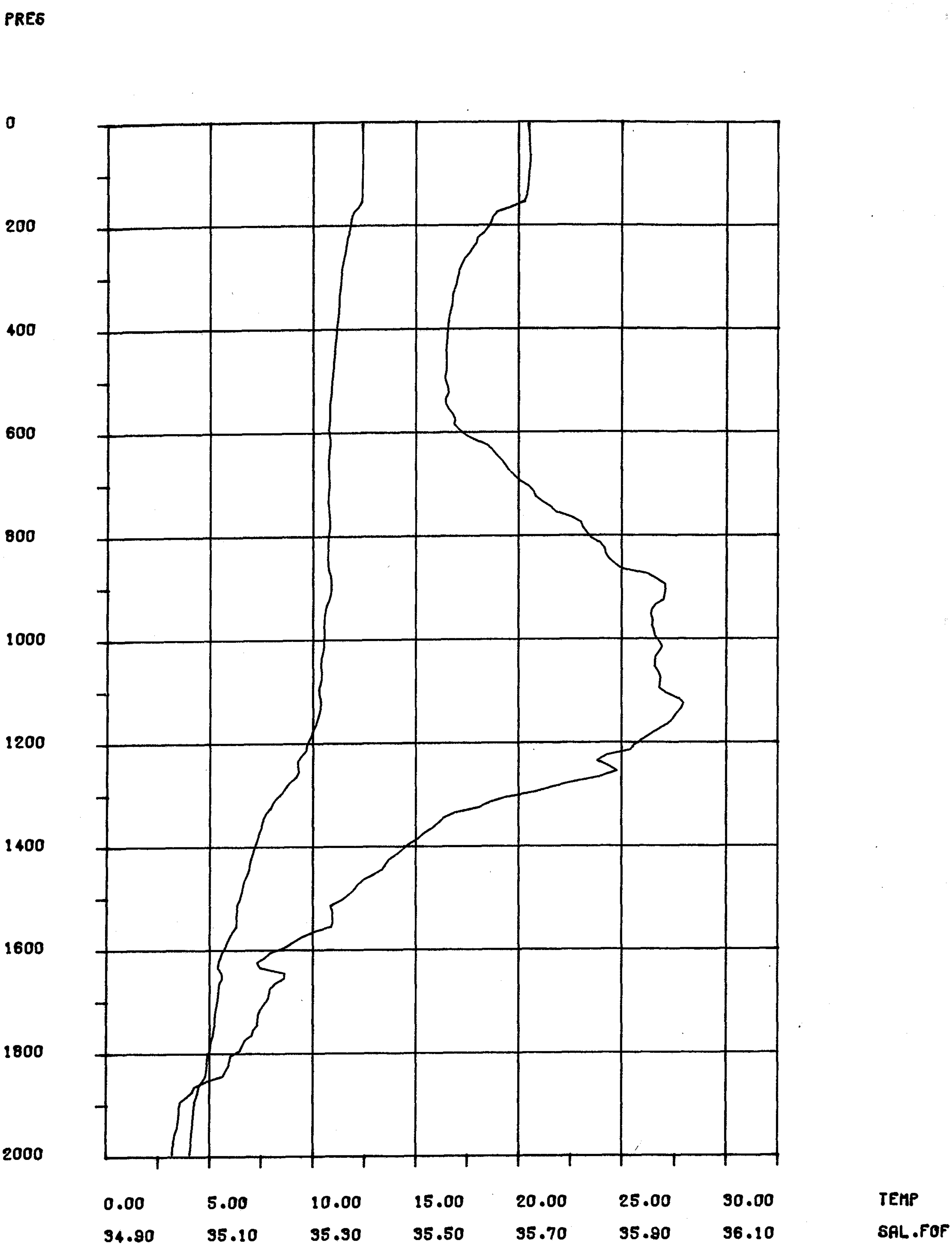


Fig 42

PLOTXY PMS DISCOVERY 81 STATION 9380 42 06N 10 41W 08JAN80

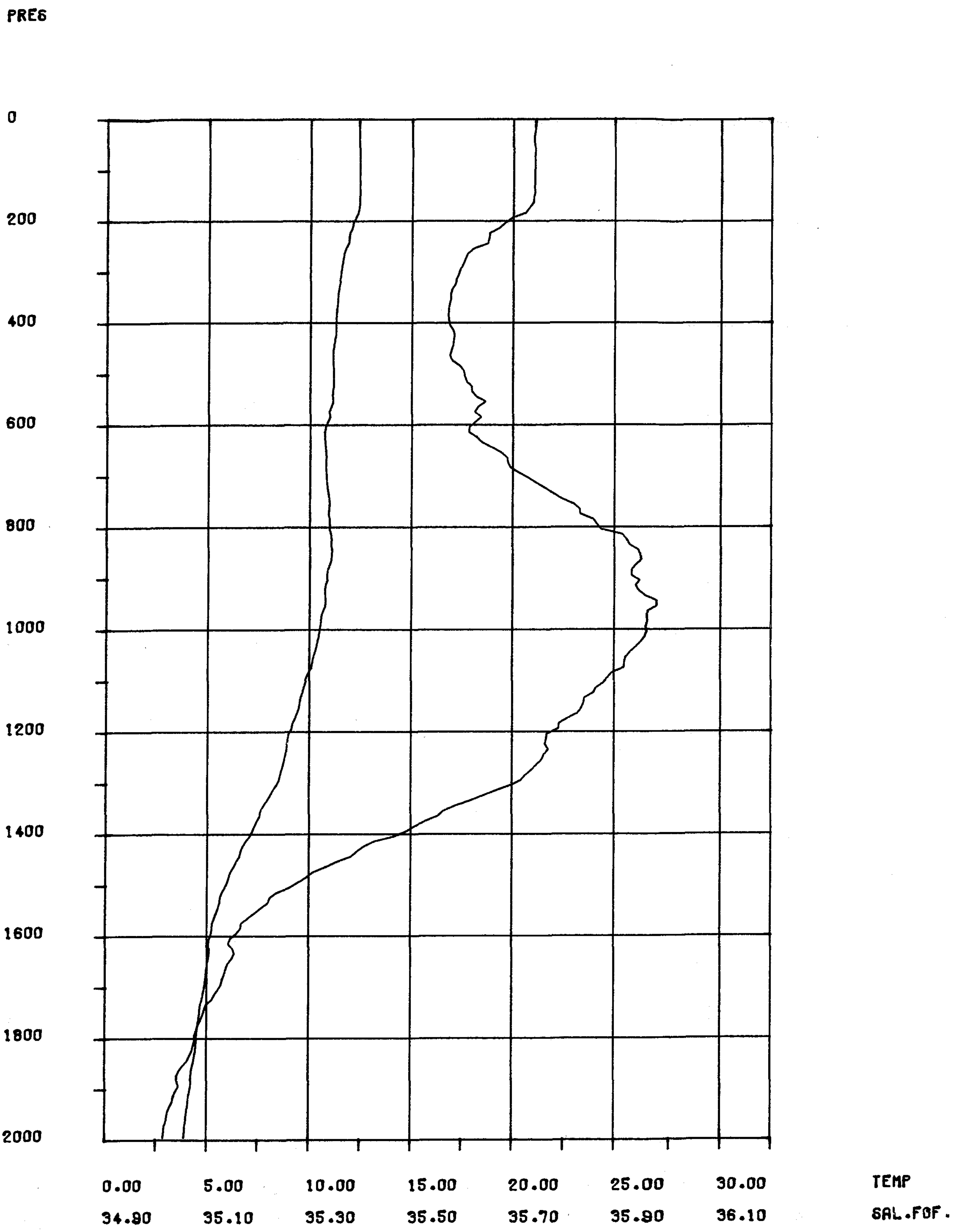


Fig 43

PLOTXY PMS DISCOVERY 81 STATION 9384 42 08N 10 16W 08JAN80

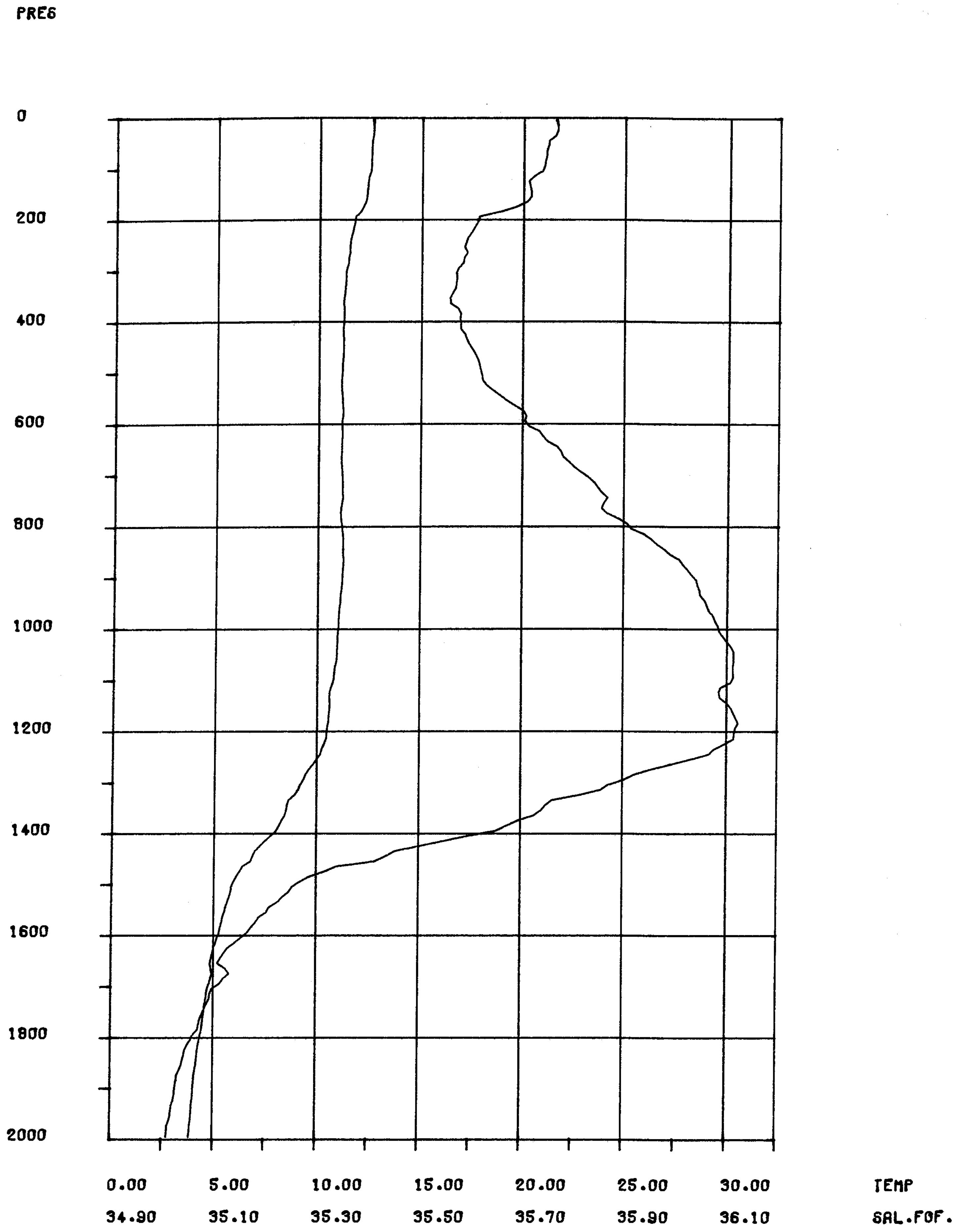


Fig 44

PLOTXY PMS DISCOVERY 81 STATION 9382 42 10N 09 51W 08JAN80

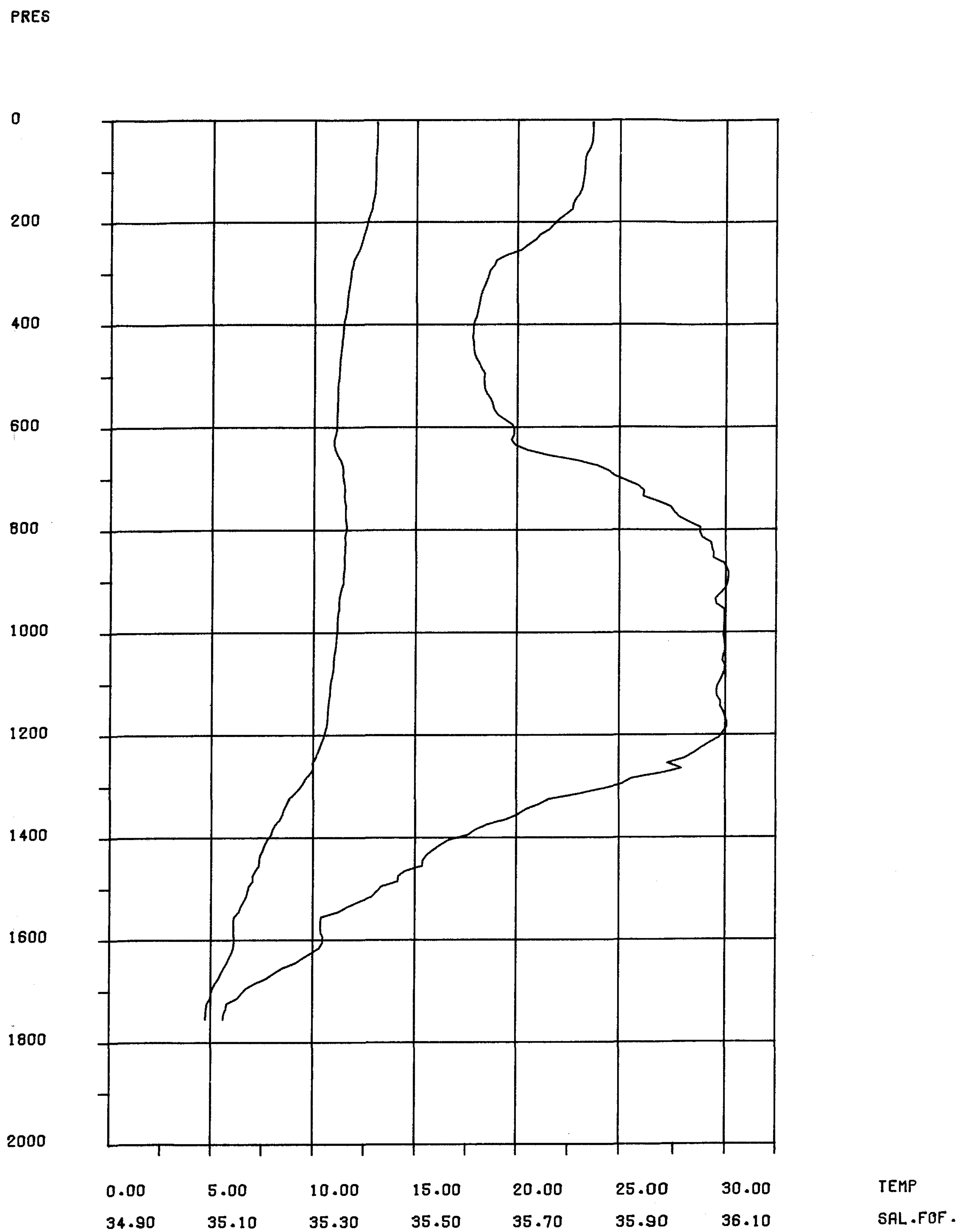


Fig 45

PLOTXY PMS DISCOVERY 81 STATION 9383 42 12N 09 35W 08JAN80

DISCOVERY 81 STATION 9291

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	11.412	35.503	11.411	27.109	31.544	0.010	1496.2	10.	0.000966	-9.990
20.	11.413	35.503	11.411	27.108	31.544	0.019	1496.4	20.	0.000969	-0.546
30.	11.414	35.502	11.410	27.107	31.544	0.029	1496.6	30.	0.000972	0.0
50.	11.416	35.502	11.410	27.107	31.543	0.049	1496.9	50.	0.000978	0.0
75.	11.419	35.501	11.410	27.106	31.543	0.073	1497.3	75.	0.000986	-0.345
100.	11.421	35.500	11.409	27.105	31.543	0.098	1497.7	100.	0.000992	0.0
125.	11.425	35.500	11.409	27.104	31.543	0.123	1498.1	124.	0.000999	0.0
150.	11.429	35.500	11.410	27.103	31.542	0.148	1498.6	149.	0.001007	-0.345
200.	11.438	35.501	11.412	27.102	31.542	0.198	1499.4	199.	0.001020	-0.244
250.	11.442	35.500	11.411	27.101	31.542	0.250	1500.2	249.	0.001033	0.0
300.	11.448	35.500	11.410	27.099	31.542	0.302	1501.1	298.	0.001047	0.0
400.	11.040	35.429	10.989	27.120	31.574	0.407	1501.2	398.	0.001050	0.904
500.	10.565	35.367	10.504	27.157	31.623	0.512	1501.0	497.	0.001033	1.184
600.	10.038	35.314	9.966	27.209	31.689	0.614	1500.7	596.	0.001002	1.369
700.	9.193	35.233	9.113	27.288	31.788	0.711	1499.1	696.	0.000937	1.709
800.	7.970	35.132	7.886	27.402	31.929	0.799	1496.0	795.	0.000831	2.065
900.	7.464	35.202	7.372	27.531	32.072	0.876	1495.8	894.	0.000718	2.107
1000.	6.143	35.068	6.050	27.608	32.181	0.943	1492.1	993.	0.000633	1.839
1100.	5.206	34.990	5.111	27.664	32.259	1.003	1489.9	1092.	0.000572	1.596
1200.	4.932	35.001	4.830	27.705	32.308	1.059	1490.4	1191.	0.000539	1.264
1300.	4.451	34.954	4.344	27.722	32.338	1.112	1490.0	1290.	0.000520	1.024
1400.	4.226	34.942	4.112	27.737	32.360	1.163	1490.7	1389.	0.000508	0.870
1500.	4.068	34.933	3.947	27.747	32.374	1.213	1491.7	1488.	0.000503	0.700
1600.	3.905	34.917	3.777	27.751	32.384	1.264	1492.7	1586.	0.000502	0.625
1700.	3.846	34.923	3.709	27.762	32.397	1.314	1494.1	1685.	0.000499	0.692
1800.	3.811	34.928	3.666	27.770	32.408	1.363	1495.6	1784.	0.000499	0.572
1900.	3.765	34.929	3.610	27.775	32.414	1.413	1497.1	1883.	0.000499	0.540
2000.	3.733	34.931	3.570	27.781	32.422	1.463	1498.6	1981.	0.000502	0.489
2200.	3.617	34.941	3.436	27.800	32.446	1.563	1501.5	2178.	0.000494	0.674
2400.	3.520	34.944	3.320	27.812	32.463	1.662	1504.4	2375.	0.000494	0.574
2600.	3.372	34.949	3.155	27.830	32.487	1.759	1507.2	2572.	0.000483	0.690
2800.	3.258	34.954	3.023	27.845	32.507	1.855	1510.1	2768.	0.000477	0.628
3000.	3.078	34.957	2.825	27.865	32.534	1.949	1512.7	2965.	0.000459	0.754
3200.	2.950	34.952	2.679	27.873	32.547	2.044	1515.6	3161.	0.000456	0.589
3400.	2.861	34.947	2.571	27.877	32.556	2.131	1518.6	3357.	0.000456	0.497
3600.	2.785	34.938	2.475	27.876	32.557	2.223	1521.7	3553.	0.000463	0.388

DISCOVERY 81 STATION 9329

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.929	35.762	13.928	26.807	31.191	0.013	1505.1	10.	0.001253	-9.990
20.	13.929	35.762	13.926	26.807	31.191	0.025	1505.2	20.	0.001255	0.546
30.	13.928	35.762	13.923	26.808	31.192	0.038	1505.4	30.	0.001258	0.0
50.	13.923	35.762	13.916	26.809	31.194	0.063	1505.7	50.	0.001263	0.546
75.	13.893	35.762	13.882	26.815	31.202	0.094	1506.0	75.	0.001264	0.918
100.	13.861	35.759	13.847	26.819	31.207	0.126	1506.3	100.	0.001267	0.777
125.	13.532	35.747	13.514	26.879	31.275	0.157	1505.6	124.	0.001217	2.771
150.	13.232	35.742	13.211	26.936	31.338	0.187	1505.0	149.	0.001170	2.728
200.	12.775	35.686	12.747	26.986	31.399	0.245	1504.2	199.	0.001134	1.815
250.	12.514	35.649	12.480	27.010	31.429	0.301	1504.1	249.	0.001125	1.279
300.	12.214	35.608	12.174	27.037	31.464	0.357	1503.9	298.	0.001110	1.358
400.	11.534	35.520	11.483	27.099	31.542	0.466	1503.0	398.	0.001073	1.482
500.	10.622	35.399	10.569	27.172	31.637	0.572	1501.3	497.	0.001019	1.632
600.	9.618	35.302	9.548	27.271	31.759	0.670	1499.2	597.	0.000938	1.883
700.	9.113	35.348	9.034	27.391	31.891	0.759	1499.0	696.	0.000840	2.007
800.	7.912	35.287	7.828	27.532	32.060	0.837	1496.0	795.	0.000709	2.256
900.	7.026	35.241	6.937	27.624	32.173	0.903	1494.2	894.	0.000623	1.873
1000.	6.396	35.204	6.301	27.682	32.248	0.963	1493.3	993.	0.000571	1.517
1100.	5.781	35.146	5.681	27.717	32.298	1.019	1492.4	1092.	0.000538	1.265
1200.	5.271	35.110	5.165	27.751	32.346	1.071	1491.9	1191.	0.000506	1.250
1300.	4.867	35.072	4.756	27.769	32.374	1.121	1491.9	1290.	0.000489	0.984
1400.	4.591	35.044	4.473	27.778	32.392	1.169	1492.4	1389.	0.000482	0.813
1500.	4.480	35.033	4.354	27.782	32.399	1.218	1493.6	1488.	0.000485	0.506
1600.	4.368	35.023	4.235	27.786	32.407	1.266	1494.7	1586.	0.000488	0.568
1700.	4.292	35.015	4.149	27.788	32.411	1.315	1496.1	1685.	0.000493	0.480
1800.	4.175	35.002	4.024	27.790	32.419	1.365	1497.2	1784.	0.000495	0.541
1900.	3.954	34.985	3.797	27.800	32.435	1.413	1498.0	1883.	0.000485	0.833
2000.	3.903	34.980	3.737	27.802	32.439	1.462	1499.4	1981.	0.000490	0.461
2200.	3.791	34.971	3.607	27.806	32.449	1.561	1502.3	2178.	0.000498	0.446

DISCOVERY 81 STATION 9343

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.993	35.757	13.992	26.790	31.173	0.013	1505.3	10.	0.001268	-9.990
20.	13.957	35.757	13.954	26.798	31.181	0.025	1505.3	20.	0.001264	1.550
30.	13.941	35.760	13.937	26.803	31.187	0.038	1505.4	30.	0.001263	1.237
50.	13.936	35.767	13.928	26.810	31.195	0.063	1505.7	50.	0.001261	1.101
75.	13.932	35.768	13.922	26.811	31.197	0.095	1506.1	75.	0.001268	0.504
100.	13.895	35.766	13.881	26.817	31.205	0.127	1506.4	100.	0.001268	0.922
125.	13.827	35.768	13.809	26.833	31.223	0.158	1506.6	124.	0.001261	1.438
150.	13.335	35.749	13.314	26.921	31.321	0.189	1505.4	149.	0.001184	3.369
200.	12.716	35.682	12.688	26.995	31.409	0.246	1504.0	199.	0.001125	2.208
250.	12.444	35.641	12.410	27.017	31.437	0.302	1503.9	249.	0.001117	1.233
300.	12.150	35.597	12.110	27.041	31.469	0.358	1503.6	298.	0.001106	1.290
400.	11.484	35.511	11.433	27.101	31.545	0.467	1502.8	398.	0.001070	1.459
500.	10.605	35.399	10.544	27.175	31.641	0.572	1501.2	497.	0.001017	1.629
600.	9.549	35.305	9.479	27.285	31.775	0.670	1498.9	597.	0.000924	1.974
700.	8.766	35.293	8.689	27.404	31.912	0.757	1497.6	696.	0.000823	2.031
800.	7.923	35.261	7.839	27.510	32.038	0.835	1496.0	795.	0.000729	1.958
900.	7.362	35.286	7.271	27.612	32.154	0.903	1495.5	894.	0.000641	1.898
1000.	6.490	35.221	6.395	27.683	32.246	0.963	1493.7	993.	0.000572	1.698
1100.	5.974	35.166	5.872	27.709	32.286	1.019	1493.2	1092.	0.000550	1.131
1200.	5.422	35.115	5.315	27.737	32.328	1.072	1492.6	1191.	0.000522	1.177
1300.	4.914	35.068	4.803	27.760	32.365	1.124	1492.1	1290.	0.000498	1.114
1400.	4.576	35.039	4.458	27.775	32.389	1.173	1492.3	1389.	0.000484	0.952
1500.	4.419	35.024	4.294	27.781	32.400	1.221	1493.3	1488.	0.000484	0.632
1600.	4.296	35.012	4.163	27.785	32.408	1.269	1494.4	1586.	0.000485	0.555
1700.	4.163	34.999	4.023	27.790	32.417	1.318	1495.5	1685.	0.000486	0.603
1800.	4.005	34.984	3.857	27.795	32.427	1.366	1496.5	1784.	0.000484	0.665
1900.	3.969	34.981	3.812	27.795	32.430	1.415	1498.0	1883.	0.000490	0.354
2000.	3.901	34.975	3.735	27.798	32.435	1.464	1499.4	1981.	0.000493	0.489
2200.	3.787	34.964	3.603	27.801	32.444	1.564	1502.2	2178.	0.000502	0.448

DISCOVERY 81 STATION 9331

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	14.491	35.825	14.489	26.736	31.108	0.013	1506.9	10.	0.001320	-9.990
20.	14.477	35.822	14.474	26.736	31.110	0.026	1507.1	20.	0.001323	0.546
30.	14.438	35.813	14.433	26.738	31.113	0.040	1507.1	30.	0.001324	0.772
50.	14.359	35.797	14.352	26.742	31.119	0.066	1507.1	50.	0.001326	0.874
75.	14.225	35.777	14.214	26.755	31.136	0.099	1507.1	75.	0.001321	1.307
100.	14.193	35.773	14.178	26.759	31.142	0.132	1507.4	100.	0.001324	0.782
125.	14.188	35.775	14.169	26.762	31.145	0.165	1507.8	124.	0.001329	0.696
150.	14.128	35.789	14.106	26.786	31.170	0.199	1508.0	149.	0.001314	1.772
200.	13.400	35.766	13.372	26.920	31.320	0.261	1506.4	199.	0.001198	2.949
250.	12.966	35.713	12.931	26.968	31.379	0.320	1505.7	249.	0.001166	1.800
300.	12.444	35.637	12.404	27.014	31.435	0.378	1504.7	299.	0.001133	1.767
400.	11.700	35.538	11.648	27.081	31.520	0.489	1503.6	398.	0.001091	1.535
500.	10.965	35.447	10.902	27.147	31.605	0.595	1502.6	497.	0.001046	1.541
600.	10.051	35.358	9.980	27.240	31.719	0.696	1500.8	597.	0.000972	1.816
700.	9.204	35.307	9.124	27.344	31.843	0.789	1499.3	696.	0.000885	1.923
800.	8.339	35.280	8.253	27.461	31.980	0.872	1497.6	795.	0.000781	2.041
900.	7.393	35.259	7.302	27.587	32.128	0.944	1495.6	894.	0.000665	2.133
1000.	6.333	35.186	6.239	27.676	32.243	1.006	1493.0	993.	0.000574	1.901
1100.	5.608	35.131	5.509	27.726	32.312	1.061	1491.7	1092.	0.000524	1.481
1200.	5.195	35.098	5.091	27.751	32.347	1.112	1491.6	1191.	0.000504	1.086
1300.	4.910	35.070	4.799	27.762	32.366	1.162	1492.1	1290.	0.000496	0.821
1400.	4.563	35.034	4.446	27.773	32.387	1.211	1492.2	1389.	0.000486	0.891
1500.	4.310	35.008	4.186	27.781	32.402	1.260	1492.8	1488.	0.000480	0.774
1600.	4.179	34.998	4.048	27.787	32.413	1.307	1493.9	1587.	0.000480	0.616
1700.	4.090	34.991	3.950	27.791	32.420	1.356	1495.2	1685.	0.000482	0.554
1800.	4.014	34.986	3.865	27.795	32.428	1.404	1496.5	1784.	0.000484	0.516
1900.	3.872	34.977	3.716	27.802	32.439	1.452	1497.6	1883.	0.000480	0.700
2000.	3.828	34.974	3.663	27.804	32.443	1.500	1499.1	1981.	0.000484	0.410

DISCOVERY 81 STATION 9342

P-DB	T-DEGC.	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	14.580	35.874	14.579	26.753	31.125	0.013	1507.3	10.	0.001304	-9.990
20.	14.579	35.874	14.576	26.754	31.127	0.026	1507.5	20.	0.001305	0.772
30.	14.577	35.876	14.572	26.756	31.128	0.039	1507.6	30.	0.001307	0.956
50.	14.573	35.879	14.566	26.759	31.132	0.065	1507.9	50.	0.001310	0.772
75.	14.555	35.880	14.544	26.764	31.138	0.098	1508.3	75.	0.001314	0.855
100.	14.341	35.853	14.326	26.789	31.168	0.131	1508.0	100.	0.001296	1.814
125.	13.922	35.802	13.904	26.840	31.227	0.163	1507.0	124.	0.001255	2.547
150.	13.710	35.812	13.688	26.892	31.284	0.194	1506.7	149.	0.001213	2.609
200.	13.188	35.755	13.160	26.956	31.360	0.253	1505.7	199.	0.001164	2.063
250.	12.762	35.688	12.728	26.990	31.404	0.310	1505.0	249.	0.001144	1.549
300.	12.562	35.659	12.522	27.008	31.428	0.367	1505.1	299.	0.001140	1.127
400.	11.969	35.582	11.916	27.064	31.499	0.480	1504.6	398.	0.001109	1.400
500.	11.470	35.531	11.406	27.119	31.566	0.589	1504.4	497.	0.001078	1.395
600.	10.970	35.490	10.894	27.180	31.640	0.695	1504.3	597.	0.001039	1.470
700.	10.127	35.427	10.042	27.282	31.761	0.795	1502.8	696.	0.000956	1.904
800.	9.567	35.426	9.474	27.376	31.870	0.887	1502.4	795.	0.000880	1.826
900.	8.873	35.453	8.772	27.512	32.020	0.969	1501.5	894.	0.000762	2.170
1000.	8.106	35.411	7.998	27.600	32.126	1.041	1500.2	993.	0.000683	1.822
1100.	7.631	35.399	7.516	27.662	32.201	1.107	1500.0	1092.	0.000633	1.536
1200.	5.728	35.143	5.618	27.721	32.304	1.166	1493.8	1191.	0.000546	1.869
1300.	5.270	35.101	5.155	27.744	32.340	1.219	1493.6	1290.	0.000523	1.106
1400.	4.928	35.068	4.807	27.759	32.364	1.271	1493.8	1389.	0.000511	0.917
1500.	4.645	35.040	4.518	27.769	32.382	1.322	1494.2	1488.	0.000503	0.830
1600.	4.294	35.007	4.161	27.781	32.404	1.371	1494.4	1587.	0.000489	0.942
1700.	4.084	34.989	3.944	27.790	32.419	1.420	1495.2	1685.	0.000483	0.764
1800.	3.945	34.979	3.798	27.796	32.431	1.468	1496.2	1784.	0.000480	0.665
1900.	3.883	34.974	3.727	27.799	32.436	1.516	1497.6	1883.	0.000483	0.438
2000.	3.740	34.967	3.576	27.808	32.448	1.564	1498.7	1981.	0.000477	0.750
2200.	3.582	34.960	3.401	27.818	32.465	1.659	1501.4	2178.	0.000477	0.750
2400.	3.401	34.956	3.203	27.833	32.486	1.753	1504.0	2375.	0.000469	0.659
2600.	3.363	34.955	3.146	27.836	32.493	1.847	1507.2	2572.	0.000477	0.383

DISCOVERY 81 STATION 9333

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	HVFR-CY/HR
10.	14.575	35.891	14.573	26.768	31.139	0.013	1507.3	10.	0.001290	-9.990
20.	14.581	35.890	14.578	26.766	31.137	0.026	1507.5	20.	0.001294	-0.564
30.	14.583	35.890	14.579	26.766	31.137	0.039	1507.6	30.	0.001298	-0.546
50.	14.564	35.890	14.576	26.765	31.137	0.065	1508.0	50.	0.001304	0.0
75.	14.553	35.883	14.542	26.767	31.141	0.097	1508.3	75.	0.001310	0.504
100.	14.495	35.883	14.480	26.779	31.154	0.130	1508.5	100.	0.001306	1.301
125.	14.416	35.875	14.397	26.790	31.168	0.163	1508.6	124.	0.001303	1.261
150.	14.179	35.861	14.157	26.830	31.214	0.195	1508.3	149.	0.001272	2.265
200.	13.337	35.777	13.309	26.943	31.344	0.256	1506.2	199.	0.001177	2.719
250.	12.995	35.725	12.961	26.972	31.382	0.314	1505.8	249.	0.001162	1.440
300.	12.567	35.658	12.526	27.006	31.426	0.372	1505.1	299.	0.001142	1.538
400.	12.015	35.587	11.963	27.059	31.493	0.485	1504.8	398.	0.001114	1.376
500.	11.497	35.537	11.432	27.119	31.566	0.595	1504.5	497.	0.001078	1.449
600.	11.114	35.509	11.038	27.168	31.625	0.701	1504.8	597.	0.001052	1.336
700.	10.760	35.488	10.672	27.216	31.683	0.805	1505.2	696.	0.001026	1.320
800.	9.859	35.438	9.764	27.313	31.800	0.904	1503.4	795.	0.000945	1.878
900.	9.050	35.401	8.948	27.443	31.948	0.993	1502.1	894.	0.000831	2.143
1000.	8.413	35.424	8.303	27.562	32.082	1.070	1501.4	993.	0.000725	2.053
1100.	7.674	35.409	7.558	27.663	32.201	1.138	1500.2	1092.	0.000632	1.943
1200.	6.678	35.276	6.560	27.701	32.263	1.200	1497.8	1191.	0.000589	1.435
1300.	5.935	35.210	5.814	27.747	32.327	1.256	1496.4	1290.	0.000540	1.479
1400.	5.346	35.134	5.220	27.751	32.356	1.309	1495.6	1389.	0.000522	1.045
1500.	4.997	35.096	4.866	27.773	32.377	1.361	1495.8	1488.	0.000512	0.993
1600.	4.477	35.024	4.342	27.775	32.393	1.411	1495.2	1587.	0.000502	0.854
1700.	4.163	34.990	4.022	27.782	32.409	1.461	1495.5	1685.	0.000493	0.811
1800.	4.041	34.986	3.893	27.792	32.424	1.510	1496.7	1784.	0.000488	0.733
1900.	3.879	34.975	3.723	27.800	32.436	1.558	1497.6	1883.	0.000482	0.721
2000.	3.772	34.969	3.608	27.806	32.447	1.607	1498.8	1981.	0.000480	0.647
2200.	3.514	34.957	3.334	27.823	32.472	1.701	1501.1	2178.	0.000468	0.727
2400.	3.334	34.955	3.138	27.839	32.494	1.794	1503.7	2375.	0.000459	0.681

DISCOVERY 81 STATION 9344

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	14.454	35.861	14.452	26.771	31.145	0.013	1506.9	10.	0.001287	-9.990
20.	14.450	35.861	14.447	26.772	31.146	0.026	1507.0	20.	0.001289	0.564
30.	14.438	35.860	14.434	26.774	31.148	0.039	1507.1	30.	0.001290	0.772
50.	14.403	35.858	14.396	26.780	31.156	0.064	1507.4	50.	0.001291	1.026
75.	14.411	35.861	14.400	26.781	31.157	0.097	1507.8	75.	0.001298	0.345
100.	14.436	35.868	14.421	26.780	31.157	0.129	1508.3	100.	0.001304	-0.089
125.	14.425	35.868	14.406	26.783	31.161	0.162	1508.7	124.	0.001309	0.702
150.	14.369	35.864	14.347	26.792	31.172	0.195	1508.9	149.	0.001309	1.107
200.	13.778	35.830	13.749	26.892	31.285	0.259	1507.7	199.	0.001227	2.550
250.	13.289	35.769	13.254	26.946	31.350	0.319	1506.9	249.	0.001189	1.902
300.	13.027	35.728	12.985	26.968	31.378	0.378	1506.8	299.	0.001180	1.260
400.	12.170	35.600	12.117	27.039	31.469	0.494	1505.3	398.	0.001134	1.580
500.	11.604	35.547	11.539	27.106	31.551	0.605	1504.9	497.	0.001091	1.543
600.	11.204	35.519	11.127	27.160	31.614	0.713	1505.1	597.	0.001061	1.384
700.	10.929	35.517	10.840	27.208	31.672	0.818	1505.8	696.	0.001036	1.318
800.	10.410	35.471	10.312	27.266	31.742	0.920	1505.5	795.	0.000997	1.464
900.	9.538	35.441	9.433	27.393	31.888	1.014	1504.0	894.	0.000886	2.136
1000.	8.230	35.358	8.122	27.539	32.064	1.095	1500.6	993.	0.000742	2.343
1100.	7.780	35.418	7.664	27.654	32.190	1.164	1500.6	1092.	0.000644	1.995
1200.	7.036	35.332	6.915	27.695	32.249	1.226	1499.3	1191.	0.000605	1.390
1300.	6.261	35.258	6.136	27.743	32.316	1.284	1497.8	1290.	0.000554	1.507
1400.	5.716	35.190	5.586	27.759	32.346	1.338	1497.2	1389.	0.000536	1.061
1500.	5.187	35.121	5.053	27.770	32.370	1.391	1496.6	1488.	0.000521	0.976
1600.	4.760	35.069	4.621	27.778	32.390	1.442	1496.4	1587.	0.000509	0.923
1700.	4.322	35.016	4.179	27.786	32.409	1.493	1496.2	1685.	0.000496	0.903
1800.	4.119	34.993	3.969	27.789	32.419	1.542	1497.0	1784.	0.000494	0.664
1900.	3.948	34.977	3.791	27.795	32.430	1.591	1497.9	1883.	0.000490	0.688
2000.	3.798	34.969	3.633	27.804	32.443	1.640	1498.9	1981.	0.000483	0.735
2200.	3.525	34.958	3.345	27.823	32.472	1.735	1501.1	2178.	0.000469	0.755
2400.	3.388	34.958	3.191	27.836	32.490	1.828	1503.9	2375.	0.000465	0.615
2600.	3.222	34.956	3.007	27.850	32.511	1.919	1506.6	2572.	0.000456	0.660

DISCOVERY 81 STATION 9336

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	14.615	35.877	14.613	26.748	31.119	0.013	1507.4	10.	0.001308	-9.990
20.	14.613	35.876	14.610	26.748	31.119	0.026	1507.6	20.	0.001311	0.0
30.	14.615	35.877	14.611	26.749	31.120	0.039	1507.7	30.	0.001315	0.546
50.	14.631	35.878	14.624	26.746	31.117	0.066	1508.1	50.	0.001322	-0.546
75.	14.635	35.878	14.624	26.745	31.117	0.099	1508.5	75.	0.001332	0.0
100.	14.642	35.879	14.627	26.744	31.117	0.132	1509.0	100.	0.001339	0.0
125.	14.623	35.887	14.605	26.755	31.129	0.166	1509.3	124.	0.001337	1.152
150.	14.032	35.852	14.011	26.855	31.241	0.198	1507.8	149.	0.001248	3.599
200.	13.561	35.808	13.533	26.920	31.317	0.259	1507.0	199.	0.001200	2.076
250.	13.105	35.741	13.070	26.962	31.369	0.318	1506.2	249.	0.001172	1.699
300.	12.831	35.698	12.790	26.984	31.399	0.376	1506.1	299.	0.001163	1.262
400.	12.082	35.593	12.029	27.051	31.483	0.491	1505.0	398.	0.001122	1.534
500.	11.560	35.540	11.495	27.110	31.555	0.601	1504.8	497.	0.001087	1.438
600.	11.100	35.507	11.024	27.169	31.626	0.708	1504.8	597.	0.001050	1.454
700.	10.554	35.466	10.468	27.236	31.706	0.811	1504.4	696.	0.001004	1.556
800.	9.823	35.426	9.728	27.333	31.821	0.908	1503.3	795.	0.000925	1.865
900.	8.814	35.351	8.713	27.442	31.952	0.996	1501.2	894.	0.000826	2.021
1000.	8.422	35.412	8.312	27.552	32.072	1.074	1501.4	993.	0.000734	1.939
1100.	7.848	35.424	7.731	27.649	32.184	1.143	1500.9	1092.	0.000650	1.880
1200.	6.858	35.311	6.738	27.703	32.261	1.205	1498.5	1191.	0.000592	1.599
1300.	6.002	35.209	5.880	27.738	32.317	1.262	1496.7	1290.	0.000551	1.401
1400.	5.307	35.130	5.181	27.762	32.358	1.315	1495.4	1389.	0.000519	1.234
1500.	4.876	35.075	4.746	27.770	32.377	1.367	1495.2	1488.	0.000511	0.870
1600.	4.407	35.019	4.273	27.778	32.398	1.417	1494.9	1587.	0.000496	0.936
1700.	4.193	34.995	4.052	27.783	32.410	1.466	1495.6	1685.	0.000493	0.686
1800.	3.995	34.977	3.847	27.789	32.422	1.516	1496.4	1784.	0.000488	0.725
1900.	3.829	34.965	3.674	27.798	32.435	1.564	1497.4	1883.	0.000482	0.744
2000.	3.707	34.959	3.544	27.805	32.446	1.612	1498.6	1981.	0.000478	0.685
2200.	3.485	34.955	3.306	27.824	32.473	1.706	1501.0	2178.	0.000466	0.727
2400.	3.336	34.954	3.139	27.838	32.493	1.799	1503.7	2375.	0.000460	0.637
2600.	3.227	34.954	3.013	27.848	32.509	1.890	1506.6	2572.	0.000458	0.567

DISCOVERY 81 STATION 9345

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	14.516	35.869	14.515	26.764	31.136	0.013	1507.1	10.	0.001294	-9.990
20.	14.519	35.869	14.516	26.763	31.137	0.026	1507.3	20.	0.001297	0.0
30.	14.521	35.869	14.517	26.763	31.136	0.039	1507.4	30.	0.001301	-0.546
50.	14.525	35.869	14.517	26.762	31.136	0.065	1507.8	50.	0.001307	0.0
75.	14.524	35.870	14.513	26.763	31.138	0.098	1508.2	75.	0.001314	0.488
100.	14.524	35.873	14.509	26.765	31.141	0.131	1508.6	100.	0.001319	0.598
125.	14.498	35.876	14.479	26.773	31.150	0.164	1508.9	124.	0.001319	1.047
150.	13.993	35.848	13.971	26.860	31.247	0.196	1507.6	149.	0.001243	3.352
200.	13.356	35.778	13.328	26.939	31.340	0.256	1506.3	199.	0.001181	2.277
250.	12.877	35.708	12.842	26.982	31.395	0.314	1505.4	249.	0.001152	1.702
300.	12.519	35.658	12.478	27.015	31.436	0.371	1505.0	299.	0.001132	1.512
400.	11.938	35.595	11.885	27.080	31.516	0.483	1504.5	398.	0.001093	1.493
500.	11.330	35.526	11.266	27.142	31.592	0.590	1503.9	497.	0.001055	1.478
600.	10.698	35.470	10.623	27.214	31.678	0.694	1503.3	597.	0.001005	1.600
700.	9.948	35.434	9.865	27.318	31.801	0.791	1502.2	696.	0.000920	1.910
800.	9.070	35.392	8.979	27.432	31.935	0.878	1500.5	795.	0.000821	2.024
900.	8.355	35.355	8.257	27.517	32.038	0.956	1499.4	894.	0.000748	1.774
1000.	7.228	35.254	7.127	27.606	32.153	1.026	1496.6	993.	0.000659	1.906
1100.	6.704	35.249	6.596	27.676	32.236	1.088	1496.2	1092.	0.000598	1.627
1200.	6.201	35.237	6.088	27.734	32.307	1.145	1495.9	1191.	0.000547	1.512
1300.	5.454	35.137	5.337	27.750	32.342	1.199	1494.4	1290.	0.000523	1.119
1400.	4.945	35.075	4.824	27.762	32.367	1.250	1493.9	1389.	0.000509	0.978
1500.	4.568	35.030	4.441	27.770	32.385	1.301	1493.9	1488.	0.000500	0.858
1600.	4.299	35.003	4.166	27.778	32.401	1.351	1494.4	1587.	0.000492	0.778
1700.	4.073	34.979	3.934	27.783	32.413	1.399	1495.1	1685.	0.000489	0.719
1800.	3.973	34.977	3.825	27.792	32.426	1.448	1496.4	1784.	0.000485	0.668
1900.	3.841	34.968	3.685	27.799	32.436	1.496	1497.5	1883.	0.000481	0.667
2000.	3.677	34.960	3.514	27.809	32.451	1.544	1498.4	1981.	0.000473	0.792
2200.	3.503	34.958	3.323	27.824	32.473	1.638	1501.0	2178.	0.000466	0.665
2400.	3.303	34.956	3.108	27.843	32.499	1.729	1503.5	2375.	0.000454	0.715
2600.	3.171	34.956	2.958	27.856	32.516	1.819	1506.4	2572.	0.000448	0.610
2800.	3.108	34.955	2.876	27.860	32.525	1.909	1509.5	2768.	0.000453	0.440
3000.	3.062	34.953	2.810	27.863	32.531	2.000	1512.6	2965.	0.000460	0.389

DISCOVERY 81 STATION 9338

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.765	35.792	13.764	26.865	31.252	0.012	1504.6	10.	0.001198	-9.990
20.	13.754	35.791	13.751	26.866	31.254	0.024	1504.7	20.	0.001199	0.772
30.	13.738	35.789	13.733	26.868	31.256	0.036	1504.8	30.	0.001200	0.772
50.	13.718	35.788	13.711	26.872	31.262	0.060	1505.1	50.	0.001202	0.785
75.	13.712	35.791	13.702	26.875	31.265	0.090	1505.4	75.	0.001207	0.691
100.	13.713	35.793	13.698	26.877	31.268	0.120	1505.8	100.	0.001212	0.605
125.	13.660	35.801	13.642	26.894	31.287	0.151	1506.1	124.	0.001203	1.518
150.	13.543	35.781	13.521	26.903	31.299	0.181	1506.1	149.	0.001202	1.170
200.	12.685	35.686	12.658	27.004	31.418	0.238	1503.9	199.	0.001117	2.574
250.	12.400	35.651	12.366	27.034	31.455	0.294	1503.7	249.	0.001102	1.415
300.	12.068	35.604	12.029	27.062	31.491	0.349	1503.3	298.	0.001086	1.385
400.	11.539	35.555	11.488	27.125	31.567	0.455	1503.1	398.	0.001048	1.480
500.	11.017	35.504	10.955	27.182	31.638	0.559	1502.8	497.	0.001014	1.428
600.	10.534	35.454	10.461	27.230	31.699	0.659	1502.7	597.	0.000987	1.328
700.	9.694	35.393	9.612	27.329	31.817	0.754	1501.2	696.	0.000906	1.881
800.	8.974	35.405	8.884	27.458	31.963	0.839	1500.2	795.	0.000795	2.114
900.	8.685	35.503	8.585	27.581	32.094	0.913	1500.9	894.	0.000694	2.030
1000.	8.012	35.483	7.905	27.670	32.199	0.979	1499.9	993.	0.000616	1.813
1100.	6.923	35.335	6.814	27.713	32.267	1.037	1497.2	1092.	0.000569	1.493
1200.	6.260	35.272	6.146	27.754	32.325	1.092	1496.1	1191.	0.000530	1.371
1300.	5.539	35.167	5.422	27.763	32.353	1.144	1494.8	1290.	0.000513	1.008
1400.	4.935	35.086	4.814	27.772	32.376	1.195	1493.8	1389.	0.000500	0.966
1500.	4.412	35.017	4.287	27.776	32.396	1.244	1493.3	1488.	0.000488	0.885
1600.	4.191	34.993	4.060	27.782	32.408	1.293	1494.0	1587.	0.000485	0.678
1700.	3.995	34.975	3.856	27.788	32.419	1.341	1494.8	1685.	0.000480	0.713
1800.	3.855	34.969	3.709	27.797	32.433	1.389	1495.9	1784.	0.000475	0.730
1900.	3.729	34.965	3.575	27.808	32.448	1.436	1497.0	1883.	0.000468	0.725
2000.	3.650	34.963	3.488	27.814	32.457	1.483	1498.3	1981.	0.000466	0.614
2200.	3.463	34.960	3.284	27.831	32.480	1.576	1500.9	2178.	0.000459	0.673
2400.	3.294	34.958	3.099	27.645	32.501	1.666	1503.5	2375.	0.000451	0.663
2600.	3.114	34.955	2.902	27.860	32.523	1.755	1506.1	2572.	0.000441	0.672
2800.	3.000	34.953	2.770	27.869	32.536	1.843	1509.0	2768.	0.000439	0.554
3000.	2.881	34.947	2.632	27.875	32.548	1.931	1511.9	2965.	0.000436	0.544

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DISCOVERY 81 STATION 9346

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.812	35.792	13.810	26.855	31.241	0.012	1504.7	10.	0.001207	-9.990
20.	13.812	35.792	13.810	26.855	31.241	0.024	1504.9	20.	0.001210	0.0
30.	13.814	35.792	13.810	26.855	31.241	0.036	1505.0	30.	0.001213	0.0
50.	13.807	35.791	13.800	26.855	31.243	0.061	1505.3	50.	0.001219	0.555
75.	13.687	35.786	13.676	26.877	31.267	0.091	1505.4	75.	0.001205	1.670
100.	13.516	35.766	13.502	26.897	31.291	0.121	1505.2	100.	0.001193	1.637
125.	13.290	35.736	13.273	26.920	31.320	0.151	1504.8	124.	0.001178	1.756
150.	12.880	35.703	12.860	26.978	31.387	0.179	1503.8	149.	0.001129	2.756
200.	12.543	35.660	12.516	27.013	31.430	0.235	1503.4	199.	0.001108	1.516
250.	12.090	35.599	12.057	27.054	31.482	0.290	1502.6	249.	0.001081	1.664
300.	11.853	35.575	11.814	27.081	31.515	0.343	1502.6	298.	0.001067	1.372
400.	11.283	35.514	11.232	27.141	31.590	0.448	1502.1	398.	0.001031	1.442
500.	10.636	35.455	10.574	27.213	31.677	0.549	1501.4	497.	0.000981	1.590
600.	10.120	35.435	10.048	27.289	31.766	0.644	1501.2	597.	0.000927	1.618
700.	9.481	35.419	9.400	27.385	31.877	0.734	1500.4	696.	0.000850	1.835
800.	8.863	35.442	8.774	27.505	32.012	0.814	1499.8	795.	0.000750	2.030
900.	8.430	35.499	8.331	27.619	32.137	0.884	1499.9	894.	0.000655	1.976
1000.	8.171	35.534	8.063	27.686	32.211	0.947	1500.6	993.	0.000605	1.526
1100.	7.210	35.402	7.098	27.725	32.273	1.006	1498.4	1092.	0.000565	1.417
1200.	6.357	35.291	6.242	27.756	32.325	1.060	1496.5	1191.	0.000530	1.308
1300.	5.520	35.172	5.403	27.770	32.360	1.112	1494.7	1290.	0.000507	1.128
1400.	4.766	35.064	4.647	27.774	32.383	1.162	1493.1	1389.	0.000492	0.986
1500.	4.389	35.016	4.264	27.778	32.397	1.211	1493.2	1488.	0.000486	0.787
1600.	4.160	34.993	4.029	27.785	32.411	1.259	1493.8	1586.	0.000481	0.727
1700.	4.005	34.979	3.866	27.790	32.422	1.307	1494.8	1685.	0.000479	0.629
1800.	3.868	34.971	3.721	27.798	32.433	1.355	1495.9	1784.	0.000475	0.688
1900.	3.749	34.967	3.594	27.807	32.447	1.402	1497.1	1883.	0.000470	0.718
2000.	3.632	34.965	3.470	27.817	32.460	1.449	1498.2	1981.	0.000463	0.724
2200.	3.430	34.963	3.251	27.836	32.486	1.541	1500.7	2178.	0.000453	0.704
2400.	3.232	34.960	3.037	27.853	32.510	1.630	1503.3	2375.	0.000441	0.705
2600.	3.055	34.957	2.844	27.867	32.530	1.717	1505.9	2572.	0.000431	0.670
2800.	2.932	34.952	2.703	27.875	32.543	1.802	1508.7	2768.	0.000429	0.550
3000.	2.841	34.946	2.593	27.878	32.552	1.888	1511.7	2965.	0.000431	0.467
3200.	2.771	34.940	2.504	27.879	32.557	1.975	1514.8	3161.	0.000436	0.398
3400.	2.753	34.937	2.465	27.879	32.559	2.063	1518.1	3357.	0.000446	0.288

DISCOVERY 81 STATION 9340

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	15.223	35.933	15.222	26.657	31.017	0.014	1509.4	10.	0.001394	-9.990
20.	15.221	35.933	15.218	26.658	31.018	0.028	1509.6	20.	0.001397	0.0
30.	15.221	35.933	15.217	26.658	31.018	0.042	1509.7	30.	0.001401	0.546
50.	15.204	35.930	15.196	26.659	31.020	0.070	1510.0	50.	0.001405	0.555
75.	14.400	35.833	14.389	26.761	31.139	0.104	1507.7	75.	0.001316	3.624
100.	14.060	35.807	14.045	26.814	31.198	0.136	1507.0	100.	0.001272	2.608
125.	13.915	35.804	13.897	26.843	31.231	0.168	1506.9	124.	0.001252	1.941
150.	13.829	35.801	13.807	26.858	31.249	0.199	1507.1	149.	0.001245	1.435
200.	13.203	35.734	13.175	26.937	31.341	0.261	1505.7	199.	0.001182	2.290
250.	12.607	35.670	12.573	27.008	31.425	0.318	1504.5	249.	0.001127	2.176
300.	12.201	35.608	12.161	27.039	31.466	0.374	1503.8	299.	0.001108	1.497
400.	11.452	35.517	11.401	27.112	31.556	0.483	1502.7	398.	0.001060	1.584
500.	10.977	35.476	10.914	27.168	31.626	0.587	1502.6	497.	0.001027	1.404
600.	10.394	35.423	10.321	27.231	31.703	0.688	1502.1	597.	0.000984	1.511
700.	9.870	35.431	9.787	27.329	31.813	0.783	1501.9	696.	0.000908	1.837
800.	8.891	35.351	8.801	27.429	31.937	0.869	1499.8	795.	0.000821	1.924
900.	8.143	35.355	8.046	27.550	32.074	0.945	1498.6	894.	0.000713	2.075
1000.	7.351	35.316	7.249	27.637	32.180	1.012	1497.2	993.	0.000633	1.822
1100.	6.483	35.240	6.378	27.699	32.263	1.073	1495.3	1092.	0.000571	1.635
1200.	6.018	35.205	5.906	27.733	32.310	1.128	1495.1	1191.	0.000542	1.229
1300.	5.677	35.181	5.558	27.757	32.344	1.182	1495.3	1290.	0.000523	1.065
1400.	5.107	35.109	4.984	27.770	32.371	1.233	1494.6	1389.	0.000507	1.008
1500.	4.660	35.053	4.532	27.777	32.390	1.283	1494.3	1488.	0.000496	0.884
1600.	4.316	35.013	4.183	27.784	32.407	1.332	1494.5	1587.	0.000488	0.837
1700.	4.109	34.989	3.969	27.787	32.416	1.381	1495.3	1685.	0.000486	0.634
1800.	3.961	34.977	3.813	27.793	32.426	1.429	1496.3	1784.	0.000483	0.653
1900.	3.808	34.967	3.652	27.802	32.439	1.477	1497.3	1883.	0.000477	0.735
2000.	3.668	34.962	3.506	27.811	32.454	1.525	1498.4	1981.	0.000470	0.745
2200.	3.461	34.962	3.283	27.832	32.482	1.617	1500.9	2178.	0.000458	0.727
2400.	3.246	34.960	3.052	27.851	32.508	1.708	1503.3	2375.	0.000444	0.735
2600.	3.054	34.956	2.843	27.867	32.530	1.795	1505.9	2572.	0.000431	0.703
2800.	2.927	34.951	2.698	27.874	32.543	1.881	1508.7	2768.	0.000430	0.541
3000.	2.850	34.946	2.602	27.877	32.551	1.967	1511.7	2965.	0.000432	0.451
3200.	2.791	34.942	2.524	27.879	32.556	2.054	1514.9	3161.	0.000438	0.398
3400.	2.736	34.937	2.449	27.880	32.560	2.142	1518.0	3357.	0.000444	0.380

DISCOVERY 81 STATION 9399

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	14.214	35.847	14.213	26.812	31.190	0.012	1506.1	10.	0.001248	-9.990
20.	14.216	35.847	14.213	26.812	31.191	0.025	1506.3	20.	0.001251	0.0
30.	14.218	35.848	14.213	26.812	31.191	0.037	1506.4	30.	0.001254	0.0
50.	14.223	35.849	14.216	26.811	31.191	0.063	1506.8	50.	0.001261	0.386
75.	14.204	35.851	14.193	26.817	31.198	0.094	1507.1	75.	0.001262	0.918
100.	14.148	35.847	14.133	26.826	31.209	0.126	1507.3	100.	0.001260	1.103
125.	14.000	35.830	13.982	26.844	31.231	0.157	1507.2	124.	0.001251	1.524
150.	13.709	35.803	13.688	26.885	31.278	0.188	1506.7	149.	0.001220	2.320
200.	12.946	35.719	12.918	26.977	31.386	0.247	1504.8	199.	0.001143	2.461
250.	12.470	35.650	12.437	27.019	31.439	0.303	1504.0	249.	0.001116	1.683
300.	12.040	35.593	12.000	27.059	31.489	0.358	1503.2	298.	0.001088	1.671
400.	11.431	35.529	11.380	27.125	31.571	0.465	1502.7	398.	0.001047	1.526
500.	10.893	35.492	10.831	27.196	31.654	0.567	1502.4	497.	0.001001	1.570
600.	10.389	35.467	10.316	27.267	31.738	0.665	1502.2	597.	0.000951	1.579
700.	9.796	35.433	9.713	27.343	31.829	0.757	1501.6	696.	0.000894	1.657
800.	9.226	35.433	9.135	27.438	31.939	0.844	1501.2	795.	0.000817	1.829
900.	8.587	35.454	8.488	27.559	32.073	0.920	1500.4	894.	0.000714	2.051
1000.	8.061	35.458	7.954	27.643	32.171	0.988	1500.1	993.	0.000643	1.745
1100.	7.615	35.455	7.500	27.708	32.247	1.049	1500.0	1092.	0.000590	1.558
1200.	7.103	35.426	6.981	27.759	32.311	1.106	1499.7	1191.	0.000546	1.449
1300.	5.992	35.252	5.869	27.773	32.351	1.160	1496.7	1290.	0.000519	1.228
1400.	5.111	35.120	4.988	27.778	32.379	1.210	1494.6	1389.	0.000499	1.060
1500.	4.542	35.043	4.415	27.783	32.398	1.260	1493.8	1488.	0.000487	0.897
1600.	4.231	35.006	4.099	27.788	32.412	1.308	1494.1	1587.	0.000481	0.755
1700.	4.043	34.985	3.904	27.791	32.421	1.356	1495.0	1685.	0.000480	0.639
1800.	3.878	34.973	3.731	27.798	32.433	1.404	1496.0	1784.	0.000476	0.714
1900.	3.796	34.973	3.641	27.807	32.446	1.451	1497.3	1883.	0.000472	0.658
2000.	3.666	34.969	3.505	27.817	32.459	1.498	1498.4	1981.	0.000465	0.734
2200.	3.436	34.963	3.258	27.835	32.485	1.590	1500.8	2178.	0.000453	0.722
2400.	3.258	34.960	3.063	27.851	32.507	1.680	1503.4	2375.	0.000444	0.669
2600.	3.088	34.958	2.876	27.864	32.527	1.768	1506.0	2572.	0.000436	0.652
2800.	2.964	34.954	2.735	27.873	32.541	1.854	1508.8	2768.	0.000432	0.577
3000.	2.845	34.947	2.597	27.878	32.552	1.941	1511.7	2965.	0.000431	0.515
3200.	2.760	34.939	2.494	27.880	32.557	2.027	1514.7	3161.	0.000435	0.437
3400.	2.716	34.934	2.429	27.879	32.561	2.115	1517.9	3357.	0.000443	0.320
3600.	2.690	34.930	2.381	27.879	32.562	2.204	1521.2	3553.	0.000453	0.286

DISCOVERY 81 STATION 9398

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	RVFR-CY/HR
10.	14.486	35.882	14.484	26.781	31.153	0.013	1507.0	10.	0.001277	-9.990
20.	14.486	35.882	14.483	26.780	31.154	0.026	1507.2	20.	0.001281	0.0
30.	14.485	35.882	14.481	26.781	31.154	0.038	1507.3	30.	0.001284	0.0
50.	14.464	35.882	14.456	26.785	31.160	0.064	1507.6	50.	0.001285	0.869
75.	14.447	35.881	14.436	26.788	31.164	0.096	1507.9	75.	0.001290	0.777
100.	14.448	35.882	14.433	26.788	31.165	0.129	1508.3	100.	0.001297	0.345
125.	14.222	35.862	14.203	26.822	31.203	0.161	1508.0	124.	0.001273	2.097
150.	13.572	35.812	13.550	26.921	31.316	0.191	1506.2	149.	0.001185	3.568
200.	13.041	35.733	13.013	26.969	31.376	0.250	1505.2	199.	0.001152	1.799
250.	12.713	35.683	12.678	26.997	31.412	0.307	1504.8	249.	0.001138	1.376
300.	12.367	35.636	12.326	27.029	31.452	0.363	1504.4	299.	0.001119	1.491
400.	11.679	35.558	11.627	27.101	31.541	0.473	1503.6	398.	0.001072	1.579
500.	11.148	35.511	11.084	27.164	31.617	0.578	1503.3	497.	0.001032	1.492
600.	10.370	35.427	10.297	27.239	31.714	0.679	1502.1	597.	0.000978	1.656
700.	9.816	35.408	9.733	27.321	31.807	0.773	1501.7	696.	0.000916	1.697
800.	9.127	35.428	9.036	27.451	31.953	0.859	1500.8	795.	0.000804	2.124
900.	8.318	35.404	8.220	27.562	32.083	0.935	1499.4	894.	0.000706	2.002
1000.	8.290	35.523	8.181	27.659	32.182	1.001	1501.1	993.	0.000632	1.770
1100.	7.545	35.456	7.431	27.719	32.260	1.061	1499.8	1092.	0.000578	1.581
1200.	6.698	35.353	6.580	27.759	32.319	1.117	1498.0	1191.	0.000537	1.413
1300.	5.998	35.260	5.876	27.779	32.357	1.169	1496.7	1290.	0.000512	1.159
1400.	5.153	35.131	5.029	27.782	32.382	1.220	1494.8	1389.	0.000497	1.013
1500.	4.563	35.044	4.437	27.781	32.397	1.269	1493.9	1488.	0.000489	0.840
1600.	4.355	35.023	4.221	27.788	32.409	1.318	1494.7	1587.	0.000486	0.688
1700.	4.160	35.003	4.020	27.793	32.421	1.366	1495.5	1685.	0.000482	0.687
1800.	3.998	34.991	3.850	27.801	32.433	1.414	1496.5	1784.	0.000478	0.712
1900.	3.799	34.971	3.644	27.806	32.444	1.462	1497.3	1883.	0.000473	0.607
2000.	3.696	34.970	3.533	27.815	32.457	1.509	1498.5	1981.	0.000469	0.707
2200.	3.492	34.965	3.313	27.831	32.480	1.602	1501.0	2178.	0.000459	0.605
2400.	3.274	34.963	3.079	27.851	32.508	1.693	1503.4	2375.	0.000444	0.747
2600.	3.093	34.959	2.881	27.865	32.528	1.781	1506.2	2572.	0.000435	0.672
2800.	2.969	34.953	2.739	27.872	32.540	1.867	1508.9	2768.	0.000433	0.551
3000.	2.851	34.947	2.603	27.878	32.552	1.954	1511.7	2965.	0.000432	0.528
3200.	2.760	34.940	2.493	27.880	32.558	2.040	1514.7	3161.	0.000435	0.444
3400.	2.704	34.932	2.418	27.879	32.560	2.128	1517.9	3357.	0.000443	0.343
3600.	2.675	34.928	2.367	27.879	32.563	2.217	1521.2	3553.	0.000452	0.294
3800.	2.671	34.925	2.341	27.877	32.563	2.309	1524.6	3748.	0.000463	0.200

DISCOVERY 81 STATION 9400

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.981	35.825	13.980	26.845	31.228	0.012	1505.3	10.	0.001217	-9.990
20.	13.980	35.825	13.977	26.845	31.229	0.024	1505.5	20.	0.001219	0.546
30.	13.968	35.823	13.964	26.846	31.230	0.037	1505.6	30.	0.001221	0.772
50.	13.924	35.817	13.917	26.851	31.236	0.061	1505.8	50.	0.001222	0.951
75.	13.911	35.817	13.900	26.853	31.239	0.092	1506.1	75.	0.001228	0.598
100.	13.855	35.821	13.840	26.869	31.257	0.122	1506.4	100.	0.001220	1.435
125.	13.468	35.781	13.450	26.918	31.315	0.152	1505.4	124.	0.001180	2.546
150.	13.043	35.732	13.022	26.968	31.374	0.181	1504.4	149.	0.001139	2.554
200.	12.703	35.681	12.676	26.997	31.411	0.238	1504.0	199.	0.001124	1.415
250.	12.356	35.631	12.323	27.027	31.449	0.293	1503.6	249.	0.001108	1.444
300.	12.013	35.585	11.973	27.058	31.489	0.348	1503.1	298.	0.001089	1.492
400.	11.437	35.519	11.386	27.116	31.562	0.456	1502.7	398.	0.001056	1.421
500.	10.845	35.451	10.783	27.173	31.632	0.560	1502.1	497.	0.001022	1.426
600.	10.589	35.474	10.515	27.236	31.704	0.660	1502.9	597.	0.000982	1.471
700.	9.567	35.366	9.486	27.330	31.821	0.755	1500.7	696.	0.000903	1.854
800.	9.203	35.426	9.112	27.437	31.938	0.841	1501.1	795.	0.000818	1.906
900.	8.338	35.388	8.240	27.546	32.066	0.917	1499.4	894.	0.000721	1.988
1000.	8.243	35.494	8.134	27.644	32.167	0.985	1500.8	993.	0.000646	1.791
1100.	8.093	35.559	7.974	27.717	32.246	1.047	1502.0	1092.	0.000592	1.573
1200.	7.356	35.467	7.232	27.755	32.301	1.104	1500.7	1191.	0.000556	1.365
1300.	6.254	35.295	6.129	27.773	32.346	1.159	1497.8	1290.	0.000525	1.268
1400.	5.226	35.143	5.102	27.783	32.381	1.210	1495.1	1389.	0.000498	1.177
1500.	4.683	35.064	4.555	27.784	32.396	1.259	1494.4	1488.	0.000491	0.824
1600.	4.340	35.017	4.207	27.785	32.407	1.308	1494.6	1587.	0.000488	0.699
1700.	4.067	34.986	3.927	27.789	32.418	1.357	1495.1	1685.	0.000482	0.740
1800.	3.895	34.973	3.748	27.797	32.432	1.405	1496.0	1784.	0.000477	0.740
1900.	3.753	34.965	3.599	27.805	32.445	1.452	1497.1	1883.	0.000472	0.700
2000.	3.667	34.968	3.504	27.816	32.459	1.499	1498.4	1981.	0.000465	0.732
2200.	3.436	34.963	3.258	27.836	32.486	1.591	1500.8	2178.	0.000453	0.731
2400.	3.255	34.963	3.060	27.853	32.509	1.680	1503.4	2375.	0.000442	0.694
2600.	3.083	34.960	2.871	27.867	32.530	1.767	1506.0	2572.	0.000433	0.666
2800.	2.965	34.955	2.736	27.874	32.542	1.854	1508.9	2768.	0.000431	0.544
3000.	2.875	34.951	2.627	27.879	32.551	1.940	1511.8	2965.	0.000433	0.464
3200.	2.793	34.944	2.526	27.881	32.557	2.027	1514.9	3161.	0.000436	0.450
3400.	2.712	34.935	2.425	27.881	32.562	2.115	1517.9	3357.	0.000441	0.407
3600.	2.665	34.928	2.357	27.879	32.564	2.204	1521.1	3553.	0.000450	0.309
3800.	2.641	34.923	2.312	27.877	32.565	2.295	1524.4	3748.	0.000459	0.262

DISCOVERY 81 STATION 9397

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.054	35.736	13.053	26.969	31.369	0.011	1502.1	10.	0.001099	-9.990
20.	13.055	35.736	13.052	26.969	31.370	0.022	1502.3	20.	0.001102	0.0
30.	13.056	35.737	13.052	26.969	31.370	0.033	1502.5	30.	0.001105	0.0
50.	13.065	35.741	13.058	26.970	31.372	0.055	1502.8	50.	0.001109	0.555
75.	13.064	35.746	13.054	26.974	31.377	0.083	1503.2	75.	0.001112	0.772
100.	12.816	35.707	12.803	26.994	31.402	0.111	1502.8	100.	0.001099	1.607
125.	12.564	35.669	12.547	27.015	31.430	0.138	1502.3	124.	0.001086	1.652
150.	12.375	35.644	12.354	27.033	31.452	0.165	1502.0	149.	0.001075	1.573
200.	12.033	35.597	12.007	27.063	31.491	0.218	1501.6	199.	0.001059	1.436
250.	11.870	35.583	11.837	27.084	31.516	0.271	1501.8	249.	0.001052	1.222
300.	11.730	35.580	11.691	27.108	31.544	0.323	1502.2	298.	0.001041	1.293
400.	11.278	35.535	11.228	27.158	31.606	0.426	1502.1	398.	0.001015	1.324
500.	10.910	35.503	10.848	27.201	31.659	0.527	1502.4	497.	0.000995	1.245
600.	10.448	35.478	10.375	27.265	31.734	0.624	1502.4	596.	0.000954	1.505
700.	9.988	35.462	9.905	27.332	31.814	0.717	1502.4	696.	0.000907	1.545
800.	9.731	35.562	9.636	27.455	31.943	0.804	1503.2	795.	0.000810	2.014
900.	9.137	35.581	9.034	27.569	32.072	0.880	1502.7	894.	0.000714	1.998
1000.	8.608	35.565	8.497	27.642	32.157	0.948	1502.3	993.	0.000655	1.637
1100.	7.718	35.464	7.602	27.700	32.236	1.011	1500.4	1092.	0.000600	1.594
1200.	6.850	35.339	6.730	27.727	32.285	1.069	1498.6	1191.	0.000570	1.273
1300.	5.890	35.214	5.768	27.757	32.338	1.124	1496.2	1290.	0.000531	1.372
1400.	4.969	35.078	4.847	27.761	32.365	1.176	1494.0	1389.	0.000510	1.067
1500.	4.575	35.032	4.448	27.770	32.385	1.227	1493.9	1488.	0.000499	0.868
1600.	4.396	35.020	4.262	27.781	32.401	1.277	1494.8	1587.	0.000493	0.784
1700.	4.297	35.024	4.155	27.795	32.419	1.326	1496.1	1685.	0.000487	0.785
1800.	4.085	35.006	3.936	27.803	32.433	1.374	1496.9	1784.	0.000480	0.777
1900.	3.989	35.005	3.831	27.812	32.447	1.422	1498.1	1883.	0.000475	0.602
2000.	3.777	34.984	3.613	27.818	32.458	1.469	1498.9	1981.	0.000469	0.742
2200.	3.544	34.975	3.364	27.834	32.481	1.562	1501.2	2178.	0.000459	0.713
2400.	3.326	34.964	3.130	27.847	32.502	1.653	1503.7	2375.	0.000452	0.663
2600.	3.138	34.959	2.925	27.861	32.523	1.742	1506.2	2572.	0.000441	0.678
2800.	2.978	34.954	2.748	27.872	32.540	1.830	1508.9	2768.	0.000434	0.634
3000.	2.851	34.948	2.603	27.879	32.552	1.916	1511.7	2965.	0.000431	0.551
3200.	2.758	34.940	2.491	27.881	32.558	2.003	1514.7	3161.	0.000434	0.449
3400.	2.696	34.933	2.410	27.881	32.562	2.090	1517.9	3357.	0.000441	0.353
3600.	2.658	34.927	2.351	27.879	32.564	2.179	1521.1	3553.	0.000450	0.317
3800.	2.638	34.922	2.309	27.877	32.564	2.270	1524.4	3748.	0.000459	0.252
4000.	2.639	34.919	2.287	27.874	32.565	2.363	1527.9	3944.	0.000473	0.143

DISCOVERY 81 STATION 9401

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.198	35.751	13.197	26.951	31.349	0.011	1502.6	10.	0.001115	-9.990
20.	13.200	35.751	13.197	26.951	31.349	0.022	1502.8	20.	0.001119	0.0
30.	13.200	35.751	13.196	26.950	31.349	0.034	1503.0	30.	0.001122	0.0
50.	13.206	35.751	13.199	26.949	31.348	0.056	1503.3	50.	0.001130	-0.386
75.	13.018	35.724	13.007	26.967	31.370	0.084	1503.1	75.	0.001120	1.521
100.	12.854	35.712	12.840	26.991	31.399	0.112	1502.9	100.	0.001103	1.779
125.	12.785	35.710	12.768	27.003	31.413	0.139	1503.1	124.	0.001098	1.308
150.	12.758	35.709	12.738	27.008	31.419	0.167	1503.4	149.	0.001101	0.783
200.	12.706	35.701	12.679	27.012	31.425	0.222	1504.0	199.	0.001110	0.612
250.	12.460	35.658	12.426	27.027	31.448	0.278	1503.9	249.	0.001107	1.044
300.	11.898	35.579	11.858	27.075	31.509	0.333	1502.7	298.	0.001072	1.820
400.	11.454	35.534	11.403	27.125	31.570	0.439	1502.8	398.	0.001048	1.313
500.	11.159	35.524	11.095	27.172	31.625	0.542	1503.3	497.	0.001025	1.283
600.	10.683	35.499	10.609	27.239	31.704	0.642	1503.3	596.	0.000981	1.536
700.	10.364	35.499	10.278	27.296	31.770	0.739	1503.8	696.	0.000946	1.424
800.	9.843	35.539	9.748	27.418	31.905	0.829	1503.6	795.	0.000847	2.038
900.	9.499	35.588	9.393	27.515	32.010	0.910	1504.0	894.	0.000771	1.820
1000.	9.184	35.662	9.068	27.624	32.128	0.982	1504.6	993.	0.000682	1.924
1100.	8.239	35.561	8.119	27.696	32.221	1.047	1502.6	1092.	0.000615	1.728
1200.	6.940	35.370	6.820	27.738	32.294	1.106	1498.9	1191.	0.000562	1.562
1300.	5.643	35.170	5.524	27.753	32.340	1.160	1495.2	1290.	0.000527	1.311
1400.	5.002	35.084	4.880	27.763	32.366	1.212	1494.1	1389.	0.000510	1.000
1500.	4.801	35.073	4.672	27.777	32.386	1.262	1494.9	1488.	0.000501	0.843
1600.	4.581	35.057	4.444	27.790	32.405	1.312	1495.7	1587.	0.000492	0.851
1700.	4.480	35.059	4.335	27.803	32.423	1.361	1496.9	1685.	0.000486	0.748
1800.	4.245	35.027	4.093	27.803	32.430	1.410	1497.6	1784.	0.000487	0.695
1900.	4.037	35.006	3.878	27.808	32.440	1.458	1498.3	1883.	0.000482	0.724
2000.	3.893	34.996	3.727	27.816	32.453	1.506	1499.4	1981.	0.000477	0.708

DISCOVERY 61 STATION 9396

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.789	35.853	13.787	26.907	31.293	0.012	1504.7	10.	0.001157	-9.990
20.	13.788	35.853	13.785	26.907	31.293	0.023	1504.9	20.	0.001160	0.546
30.	13.790	35.853	13.786	26.907	31.293	0.035	1505.0	30.	0.001164	0.0
50.	13.795	35.853	13.788	26.906	31.293	0.058	1505.4	50.	0.001171	-0.386
75.	13.797	35.853	13.786	26.905	31.294	0.087	1505.8	75.	0.001178	0.0
100.	13.774	35.850	13.759	26.908	31.297	0.117	1506.1	100.	0.001183	0.691
125.	13.568	35.817	13.550	26.925	31.319	0.147	1505.8	124.	0.001174	1.532
150.	12.920	35.715	12.899	26.980	31.388	0.175	1503.9	149.	0.001127	2.681
200.	12.487	35.658	12.460	27.022	31.440	0.231	1503.2	199.	0.001099	1.690
250.	12.218	35.623	12.184	27.047	31.473	0.285	1503.1	249.	0.001087	1.326
300.	11.897	35.584	11.858	27.080	31.512	0.339	1502.7	298.	0.001068	1.488
400.	11.433	35.546	11.382	27.138	31.583	0.445	1502.7	398.	0.001035	1.423
500.	11.160	35.534	11.096	27.179	31.632	0.547	1503.4	497.	0.001018	1.208
600.	10.538	35.496	10.465	27.262	31.730	0.646	1502.7	597.	0.000957	1.701
700.	9.860	35.456	9.777	27.350	31.835	0.739	1501.9	696.	0.000889	1.763
800.	9.626	35.551	9.532	27.464	31.956	0.824	1502.8	795.	0.000799	1.943
900.	9.152	35.599	9.049	27.581	32.083	0.899	1502.7	894.	0.000703	1.996
1000.	8.895	35.654	8.781	27.665	32.175	0.966	1503.5	993.	0.000638	1.700
1100.	8.424	35.618	8.302	27.713	32.234	1.028	1503.3	1092.	0.000604	1.367
1200.	7.125	35.402	7.003	27.737	32.289	1.087	1499.7	1191.	0.000567	1.378
1300.	5.747	35.188	5.628	27.754	32.338	1.142	1495.6	1290.	0.000528	1.359
1400.	4.985	35.075	4.864	27.757	32.361	1.193	1494.0	1389.	0.000514	0.973
1500.	4.624	35.028	4.497	27.761	32.376	1.245	1494.1	1488.	0.000510	0.774
1600.	4.367	34.999	4.233	27.767	32.388	1.295	1494.7	1587.	0.000504	0.731
1700.	4.240	34.991	4.099	27.775	32.401	1.346	1495.8	1685.	0.000503	0.668
1800.	4.101	34.985	3.951	27.785	32.415	1.396	1496.9	1784.	0.000497	0.730
1900.	3.845	34.958	3.689	27.790	32.428	1.445	1497.5	1883.	0.000489	0.772
2000.	3.777	34.968	3.613	27.805	32.445	1.494	1498.9	1981.	0.000481	0.788
2200.	3.569	34.968	3.388	27.826	32.473	1.588	1501.3	2178.	0.000468	0.739
2400.	3.322	34.967	3.126	27.849	32.504	1.680	1503.6	2375.	0.000449	0.803
2600.	3.099	34.961	2.887	27.866	32.529	1.768	1506.1	2572.	0.000435	0.723
2800.	2.950	34.955	2.721	27.875	32.544	1.854	1508.8	2768.	0.000429	0.600
3000.	2.871	34.949	2.623	27.878	32.551	1.940	1511.8	2965.	0.000433	0.434

DISCOVERY 81 STATION 9402

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.593	35.828	13.591	26.929	31.319	0.011	1504.0	10.	0.001137	-9.990
20.	13.593	35.828	13.590	26.929	31.320	0.023	1504.2	20.	0.001140	0.546
30.	13.597	35.828	13.593	26.928	31.319	0.034	1504.4	30.	0.001143	0.0
50.	13.602	35.828	13.595	26.927	31.318	0.057	1504.7	50.	0.001151	0.0
75.	13.604	35.828	13.593	26.926	31.318	0.086	1505.1	75.	0.001158	0.0
100.	13.609	35.827	13.595	26.925	31.317	0.115	1505.6	100.	0.001167	-0.357
125.	13.427	35.795	13.410	26.938	31.335	0.144	1505.3	124.	0.001161	1.320
150.	12.774	35.700	12.753	26.997	31.409	0.172	1503.4	149.	0.001111	2.793
200.	12.448	35.661	12.422	27.031	31.450	0.227	1503.1	199.	0.001090	1.516
250.	12.108	35.616	12.075	27.063	31.491	0.281	1502.7	249.	0.001072	1.484
300.	11.875	35.595	11.836	27.092	31.526	0.334	1502.7	298.	0.001056	1.415
400.	11.374	35.537	11.323	27.142	31.588	0.439	1502.5	398.	0.001031	1.317
500.	10.931	35.502	10.869	27.197	31.654	0.540	1502.5	497.	0.001000	1.379
600.	10.406	35.472	10.333	27.267	31.738	0.638	1502.2	596.	0.000951	1.572
700.	9.989	35.485	9.905	27.351	31.833	0.730	1502.4	696.	0.000890	1.697
800.	9.730	35.568	9.635	27.460	31.948	0.815	1503.2	795.	0.000806	1.900
900.	9.514	35.632	9.408	27.546	32.041	0.892	1504.1	894.	0.000742	1.706
1000.	9.030	35.626	8.916	27.622	32.128	0.964	1504.0	993.	0.000682	1.654
1100.	8.432	35.594	8.310	27.692	32.214	1.029	1503.3	1092.	0.000623	1.645
1200.	7.645	35.513	7.518	27.749	32.289	1.089	1501.9	1191.	0.000569	1.578
1300.	6.767	35.391	6.637	27.779	32.340	1.144	1499.9	1290.	0.000534	1.334
1400.	5.965	35.277	5.833	27.796	32.376	1.197	1498.3	1389.	0.000509	1.173
1500.	5.220	35.165	5.086	27.800	32.400	1.247	1496.8	1488.	0.000494	1.004
1600.	4.706	35.092	4.568	27.803	32.415	1.295	1496.2	1587.	0.000485	0.846
1700.	4.433	35.055	4.288	27.805	32.425	1.344	1496.7	1685.	0.000483	0.674
1800.	4.095	35.007	3.945	27.803	32.433	1.392	1496.9	1784.	0.000480	0.692
1900.	3.863	34.990	3.707	27.814	32.451	1.440	1497.6	1883.	0.000469	0.842
2000.	3.630	34.974	3.468	27.825	32.468	1.486	1498.3	1981.	0.000456	0.857
2200.	3.375	34.967	3.198	27.845	32.496	1.576	1500.5	2178.	0.000441	0.756

DISCOVERY 61 STATION 9395

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.874	35.860	13.873	26.894	31.278	0.012	1505.0	10.	0.001170	-9.990
20.	13.875	35.860	13.872	26.895	31.279	0.023	1505.2	20.	0.001173	0.546
30.	13.874	35.860	13.870	26.895	31.280	0.035	1505.3	30.	0.001176	0.546
50.	13.874	35.860	13.866	26.894	31.281	0.059	1505.6	50.	0.001182	0.386
75.	13.765	35.844	13.755	26.905	31.294	0.088	1505.7	75.	0.001178	1.206
100.	13.685	35.836	13.671	26.916	31.307	0.118	1505.8	100.	0.001175	1.209
125.	13.631	35.830	13.613	26.923	31.316	0.147	1506.0	124.	0.001176	0.927
150.	13.516	35.816	13.495	26.936	31.332	0.176	1506.0	149.	0.001171	1.352
200.	13.055	35.758	13.027	26.985	31.391	0.234	1505.3	199.	0.001136	1.814
250.	12.619	35.682	12.585	27.014	31.431	0.291	1504.5	249.	0.001121	1.432
300.	12.321	35.636	12.280	27.037	31.462	0.346	1504.3	298.	0.001111	1.292
400.	11.654	35.556	11.602	27.104	31.545	0.455	1503.5	398.	0.001069	1.520
500.	11.163	35.517	11.100	27.166	31.619	0.560	1503.4	497.	0.001031	1.467
600.	10.657	35.488	10.583	27.235	31.701	0.661	1503.2	597.	0.000984	1.559
700.	9.985	35.427	9.902	27.306	31.787	0.758	1502.3	696.	0.000932	1.611
800.	9.481	35.469	9.387	27.424	31.919	0.846	1502.1	795.	0.000835	2.015
900.	9.364	35.592	9.259	27.541	32.038	0.924	1503.5	894.	0.000745	1.945
1000.	9.250	35.698	9.134	27.642	32.144	0.995	1504.9	993.	0.000668	1.818
1100.	8.507	35.615	8.385	27.697	32.216	1.059	1503.6	1092.	0.000620	1.526
1200.	7.658	35.498	7.531	27.735	32.275	1.119	1501.9	1191.	0.000583	1.395
1300.	6.949	35.411	6.817	27.769	32.326	1.175	1500.7	1290.	0.000548	1.333
1400.	6.320	35.331	6.184	27.792	32.366	1.229	1499.8	1389.	0.000524	1.185
1500.	5.392	35.184	5.256	27.795	32.391	1.281	1497.5	1488.	0.000504	1.083
1600.	4.820	35.094	4.680	27.792	32.402	1.331	1496.7	1587.	0.000499	0.794
1700.	4.387	35.035	4.243	27.793	32.416	1.380	1496.5	1685.	0.000491	0.812
1800.	4.037	34.986	3.888	27.792	32.424	1.429	1496.6	1784.	0.000488	0.796
1900.	3.902	34.978	3.746	27.800	32.436	1.478	1497.7	1883.	0.000483	0.714
2000.	3.816	34.981	3.651	27.812	32.450	1.526	1499.0	1981.	0.000477	0.731
2200.	3.574	34.981	3.393	27.836	32.482	1.620	1501.4	2178.	0.000460	0.786
2400.	3.346	34.975	3.150	27.854	32.509	1.711	1503.8	2375.	0.000446	0.743
2600.	3.142	34.965	2.930	27.865	32.527	1.799	1506.2	2572.	0.000437	0.655
2800.	2.966	34.956	2.737	27.875	32.543	1.886	1508.9	2768.	0.000431	0.611
3000.	2.839	34.948	2.592	27.879	32.553	1.972	1511.7	2965.	0.000430	0.525
3200.	2.746	34.940	2.480	27.882	32.559	2.058	1514.7	3161.	0.000432	0.464
3400.	2.686	34.932	2.400	27.881	32.562	2.145	1517.8	3357.	0.000439	0.369
3600.	2.651	34.927	2.344	27.880	32.565	2.234	1521.1	3553.	0.000448	0.309
3800.	2.613	34.920	2.285	27.878	32.566	2.324	1524.3	3749.	0.000457	0.272

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DISCOVERY 81 STATION 9403

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.776	35.882	13.775	26.932	31.318	0.011	1504.7	10.	0.001134	-9.990
20.	13.778	35.881	13.775	26.931	31.318	0.023	1504.9	20.	0.001137	0.0
30.	13.780	35.881	13.776	26.931	31.318	0.034	1505.0	30.	0.001141	-0.564
50.	13.782	35.881	13.775	26.930	31.317	0.057	1505.4	50.	0.001147	0.0
75.	13.784	35.881	13.774	26.929	31.318	0.086	1505.8	75.	0.001156	0.0
100.	13.782	35.880	13.767	26.929	31.318	0.115	1506.2	100.	0.001162	0.357
125.	13.790	35.881	13.772	26.928	31.318	0.144	1506.6	124.	0.001171	-0.357
150.	13.653	35.856	13.631	26.938	31.331	0.173	1506.5	149.	0.001169	1.170
200.	13.002	35.746	12.975	26.987	31.394	0.231	1505.1	199.	0.001134	1.824
250.	12.563	35.685	12.529	27.028	31.446	0.287	1504.3	249.	0.001108	1.682
300.	12.243	35.643	12.203	27.059	31.485	0.342	1504.0	298.	0.001090	1.466
400.	11.662	35.584	11.610	27.125	31.565	0.449	1503.6	398.	0.001049	1.513
500.	11.256	35.554	11.192	27.177	31.628	0.552	1503.7	497.	0.001022	1.363
600.	10.890	35.539	10.815	27.233	31.694	0.653	1504.0	597.	0.000989	1.411
700.	10.581	35.543	10.494	27.292	31.761	0.750	1504.6	696.	0.000953	1.433
800.	10.484	35.645	10.385	27.388	31.862	0.842	1506.0	795.	0.000884	1.780
900.	9.643	35.621	9.536	27.516	32.008	0.925	1504.6	894.	0.000773	2.131
1000.	9.380	35.659	9.263	27.590	32.089	1.000	1505.3	993.	0.000718	1.602
1100.	9.011	35.688	8.884	27.673	32.182	1.068	1505.6	1092.	0.000654	1.711
1200.	7.876	35.542	7.747	27.737	32.272	1.131	1502.8	1191.	0.000586	1.722
1300.	6.941	35.411	6.810	27.771	32.328	1.188	1500.7	1290.	0.000547	1.394
1400.	6.061	35.272	5.928	27.780	32.359	1.242	1498.6	1389.	0.000527	1.114
1500.	5.459	35.193	5.322	27.794	32.389	1.294	1497.8	1488.	0.000508	1.057
1600.	5.043	35.137	4.901	27.800	32.404	1.344	1497.7	1587.	0.000500	0.844
1700.	4.684	35.088	4.537	27.803	32.418	1.394	1497.8	1685.	0.000494	0.769
1800.	4.311	35.042	4.159	27.807	32.432	1.443	1497.9	1784.	0.000486	0.837
1900.	3.797	34.963	3.642	27.799	32.438	1.491	1497.3	1883.	0.000479	0.747
2000.	3.691	34.962	3.528	27.809	32.451	1.538	1498.5	1981.	0.000474	0.710
2200.	3.532	34.964	3.353	27.827	32.475	1.633	1501.2	2178.	0.000466	0.678
2400.	3.323	34.967	3.127	27.849	32.505	1.724	1503.6	2375.	0.000449	0.771

DISCOVERY 81 STATION 9394

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.968	35.900	13.966	26.906	31.289	0.012	1505.4	10.	0.001159	-9.990
20.	13.969	35.900	13.966	26.905	31.289	0.023	1505.5	20.	0.001162	0.0
30.	13.971	35.900	13.967	26.905	31.288	0.035	1505.7	30.	0.001166	-0.546
50.	13.977	35.900	13.969	26.904	31.288	0.058	1506.0	50.	0.001173	0.0
75.	13.979	35.900	13.968	26.903	31.288	0.088	1506.4	75.	0.001180	0.0
100.	13.977	35.899	13.963	26.903	31.288	0.117	1506.8	100.	0.001188	0.357
125.	13.977	35.899	13.959	26.903	31.289	0.147	1507.3	124.	0.001196	0.0
150.	13.980	35.899	13.958	26.902	31.289	0.177	1507.7	149.	0.001204	0.345
200.	13.713	35.850	13.684	26.921	31.315	0.237	1507.5	199.	0.001199	1.175
250.	12.928	35.738	12.893	26.995	31.406	0.295	1505.6	249.	0.001140	2.241
300.	12.639	35.698	12.598	27.023	31.441	0.352	1505.4	298.	0.001126	1.401
400.	11.913	35.604	11.860	27.092	31.527	0.462	1504.4	398.	0.001082	1.542
500.	11.407	35.563	11.343	27.156	31.604	0.568	1504.3	497.	0.001042	1.499
600.	10.949	35.521	10.873	27.208	31.668	0.671	1504.2	597.	0.001013	1.380
700.	10.466	35.511	10.380	27.287	31.759	0.770	1504.1	696.	0.000956	1.659
800.	10.119	35.580	10.022	27.402	31.882	0.861	1504.6	795.	0.000865	1.963
900.	9.591	35.613	9.485	27.518	32.011	0.942	1504.4	894.	0.000769	2.009
1000.	9.157	35.630	9.041	27.604	32.108	1.015	1504.4	993.	0.000701	1.742
1100.	8.865	35.665	8.740	27.679	32.191	1.082	1505.0	1092.	0.000645	1.613
1200.	7.992	35.556	7.862	27.731	32.263	1.145	1503.3	1191.	0.000595	1.550
1300.	6.622	35.330	6.494	27.751	32.316	1.202	1499.3	1290.	0.000556	1.375
1400.	5.711	35.190	5.581	27.760	32.347	1.257	1497.1	1389.	0.000535	1.119
1500.	4.796	35.055	4.667	27.764	32.373	1.309	1494.9	1488.	0.000513	1.072
1600.	5.002	35.131	4.860	27.800	32.406	1.360	1497.5	1587.	0.000498	0.960
1700.	4.556	35.070	4.410	27.803	32.421	1.409	1497.2	1685.	0.000489	0.855
1800.	4.223	35.028	4.072	27.806	32.432	1.458	1497.5	1784.	0.000483	0.786
1900.	4.108	35.022	3.948	27.813	32.444	1.506	1498.6	1883.	0.000480	0.672
2000.	3.989	35.020	3.822	27.824	32.459	1.553	1499.8	1981.	0.000474	0.762
2200.	3.739	35.005	3.556	27.838	32.482	1.647	1502.1	2178.	0.000466	0.689
2400.	3.455	34.982	3.256	27.848	32.501	1.740	1504.2	2375.	0.000457	0.686
2600.	3.219	34.969	3.005	27.861	32.522	1.830	1506.6	2572.	0.000446	0.688
2800.	3.018	34.960	2.788	27.873	32.540	1.918	1509.1	2768.	0.000436	0.667
3000.	2.860	34.949	2.612	27.879	32.552	2.005	1511.8	2965.	0.000432	0.571
3200.	2.763	34.941	2.497	27.881	32.558	2.091	1514.8	3161.	0.000434	0.470
3400.	2.691	34.933	2.404	27.881	32.562	2.179	1517.8	3357.	0.000440	0.392
3600.	2.635	34.925	2.328	27.880	32.565	2.267	1521.0	3553.	0.000447	0.352
3800.	2.600	34.919	2.271	27.878	32.566	2.358	1524.3	3749.	0.000455	0.292
4000.	2.582	34.914	2.232	27.876	32.567	2.450	1527.6	3944.	0.000467	0.220

DISCOVERY 81 STATION 9404

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.648	35.864	13.647	26.945	31.333	0.011	1504.3	10.	0.001122	-9.990
20.	13.647	35.864	13.645	26.945	31.334	0.022	1504.4	20.	0.001125	0.0
30.	13.642	35.863	13.638	26.946	31.335	0.034	1504.6	30.	0.001127	0.546
50.	13.614	35.858	13.607	26.948	31.338	0.056	1504.8	50.	0.001131	0.555
75.	13.519	35.842	13.508	26.955	31.349	0.085	1504.9	75.	0.001131	0.985
100.	13.369	35.815	13.355	26.965	31.363	0.113	1504.7	100.	0.001128	1.166
125.	13.235	35.787	13.217	26.971	31.372	0.141	1504.7	124.	0.001129	0.935
150.	12.991	35.747	12.970	26.990	31.397	0.169	1504.2	149.	0.001118	1.613
200.	12.662	35.692	12.634	27.013	31.428	0.225	1503.9	199.	0.001108	1.279
250.	12.493	35.668	12.459	27.029	31.448	0.280	1504.1	249.	0.001107	1.063
300.	12.137	35.616	12.097	27.058	31.486	0.335	1503.6	298.	0.001090	1.450
400.	11.466	35.534	11.414	27.122	31.567	0.442	1502.8	398.	0.001050	1.501
500.	11.234	35.551	11.171	27.179	31.630	0.546	1503.6	497.	0.001019	1.389
600.	10.857	35.527	10.782	27.229	31.691	0.646	1503.9	597.	0.000991	1.337
700.	10.423	35.508	10.337	27.293	31.766	0.743	1504.0	696.	0.000950	1.501
800.	9.863	35.556	9.768	27.428	31.914	0.832	1503.7	795.	0.000838	2.142
900.	9.516	35.612	9.410	27.530	32.025	0.912	1504.1	894.	0.000757	1.868
1000.	9.183	35.641	9.068	27.609	32.113	0.984	1504.5	993.	0.000697	1.652
1100.	8.393	35.567	8.272	27.678	32.199	1.050	1503.1	1092.	0.000635	1.677
1200.	7.317	35.434	7.193	27.735	32.283	1.110	1500.5	1191.	0.000574	1.653
1300.	6.425	35.316	6.299	27.767	32.335	1.166	1498.5	1290.	0.000536	1.365
1400.	5.571	35.192	5.443	27.779	32.369	1.218	1496.6	1389.	0.000513	1.149
1500.	5.386	35.184	5.250	27.795	32.392	1.269	1497.5	1488.	0.000504	0.884
1600.	4.922	35.118	4.781	27.798	32.406	1.318	1497.1	1587.	0.000497	0.844
1700.	4.599	35.075	4.453	27.802	32.419	1.368	1497.4	1685.	0.000492	0.738
1800.	4.387	35.052	4.234	27.807	32.430	1.417	1498.2	1784.	0.000489	0.715
1900.	4.082	35.016	3.923	27.811	32.443	1.466	1498.5	1883.	0.000480	0.779
2000.	4.045	35.021	3.877	27.819	32.453	1.514	1500.0	1981.	0.000481	0.609

DISCOVERY 81 STATION 9393

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.550	35.841	13.549	26.948	31.339	0.011	1503.9	10.	0.001119	-9.990
20.	13.555	35.842	13.552	26.947	31.338	0.022	1504.1	20.	0.001122	0.0
30.	13.553	35.841	13.549	26.947	31.338	0.034	1504.2	30.	0.001125	0.0
50.	13.555	35.841	13.548	26.947	31.339	0.056	1504.6	50.	0.001132	0.0
75.	13.082	35.762	13.072	26.983	31.385	0.084	1503.3	75.	0.001104	2.182
100.	12.766	35.725	12.752	27.019	31.428	0.111	1502.6	100.	0.001077	2.155
125.	12.676	35.713	12.659	27.027	31.439	0.138	1502.7	124.	0.001075	1.110
150.	12.646	35.707	12.626	27.028	31.442	0.165	1503.0	149.	0.001080	0.497
200.	12.422	35.666	12.395	27.041	31.460	0.220	1503.0	199.	0.001081	0.973
250.	12.048	35.618	12.015	27.077	31.505	0.273	1502.5	249.	0.001059	1.566
300.	11.677	35.561	11.639	27.103	31.540	0.326	1501.9	298.	0.001045	1.368
400.	11.327	35.544	11.276	27.156	31.603	0.429	1502.3	398.	0.001017	1.350
500.	10.963	35.527	10.900	27.211	31.668	0.529	1502.7	497.	0.000987	1.382
600.	10.600	35.515	10.526	27.266	31.733	0.626	1503.0	596.	0.000954	1.400
700.	10.208	35.515	10.123	27.336	31.813	0.719	1503.2	696.	0.000906	1.565
800.	9.669	35.532	9.575	27.442	31.932	0.806	1502.9	795.	0.000821	1.920
900.	9.479	35.616	9.373	27.540	32.035	0.884	1504.0	894.	0.000748	1.805
1000.	8.958	35.611	8.844	27.622	32.130	0.955	1503.7	993.	0.000681	1.724
1100.	8.400	35.588	8.278	27.693	32.215	1.020	1503.2	1092.	0.000621	1.646
1200.	7.892	35.564	7.763	27.752	32.286	1.079	1502.9	1191.	0.000573	1.515
1300.	7.078	35.453	6.945	27.784	32.338	1.135	1501.2	1290.	0.000539	1.332
1400.	6.258	35.331	6.123	27.801	32.375	1.188	1499.5	1389.	0.000514	1.190
1500.	5.536	35.226	5.399	27.810	32.402	1.238	1498.1	1488.	0.000495	1.059
1600.	4.651	35.078	4.514	27.798	32.413	1.287	1496.0	1587.	0.000487	0.843
1700.	4.354	35.045	4.211	27.805	32.428	1.335	1496.4	1685.	0.000479	0.614
1800.	4.127	35.021	3.977	27.810	32.440	1.383	1497.1	1784.	0.000475	0.711
1900.	3.966	35.009	3.809	27.818	32.453	1.430	1498.0	1883.	0.000469	0.718
2000.	3.816	35.001	3.651	27.827	32.466	1.477	1499.1	1981.	0.000463	0.758

DISCOVERY 81 STATION 9405

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.640	35.706	12.639	27.028	31.437	0.010	1500.7	10.	0.001042	-9.990
20.	12.641	35.706	12.638	27.029	31.438	0.021	1500.9	20.	0.001045	0.0
30.	12.643	35.706	12.639	27.028	31.438	0.031	1501.0	30.	0.001048	0.0
50.	12.639	35.706	12.632	27.029	31.439	0.052	1501.4	50.	0.001053	0.546
75.	12.616	35.703	12.606	27.031	31.444	0.079	1501.7	75.	0.001058	0.605
100.	12.614	35.703	12.600	27.032	31.445	0.105	1502.1	100.	0.001064	0.496
125.	12.606	35.701	12.589	27.032	31.446	0.132	1502.5	124.	0.001070	0.368
150.	12.584	35.699	12.564	27.035	31.449	0.159	1502.8	149.	0.001075	0.697
200.	12.503	35.685	12.476	27.040	31.457	0.213	1503.3	199.	0.001082	0.615
250.	12.074	35.620	12.041	27.073	31.501	0.266	1502.6	249.	0.001062	1.512
300.	11.752	35.581	11.713	27.105	31.540	0.319	1502.2	298.	0.001044	1.489
400.	11.393	35.557	11.342	27.154	31.600	0.422	1502.6	398.	0.001019	1.306
500.	11.007	35.523	10.944	27.199	31.656	0.523	1502.8	497.	0.000998	1.258
600.	10.603	35.510	10.529	27.262	31.729	0.622	1503.0	596.	0.000959	1.479
700.	10.251	35.524	10.166	27.335	31.812	0.715	1503.4	696.	0.000907	1.596
800.	9.744	35.569	9.649	27.458	31.946	0.801	1503.2	795.	0.000807	2.043
900.	9.281	35.582	9.177	27.546	32.046	0.878	1503.2	894.	0.000738	1.764
1000.	8.951	35.639	8.837	27.645	32.153	0.947	1503.7	993.	0.000659	1.833
1100.	8.323	35.584	8.202	27.702	32.225	1.011	1502.9	1092.	0.000612	1.520
1200.	8.284	35.669	8.152	27.775	32.300	1.069	1504.5	1191.	0.000562	1.538
1300.	7.042	35.460	6.910	27.795	32.349	1.124	1501.1	1290.	0.000527	1.339
1400.	5.945	35.278	5.813	27.800	32.381	1.176	1498.2	1389.	0.000505	1.129
1500.	5.045	35.130	4.913	27.794	32.398	1.226	1496.0	1488.	0.000493	0.925
1600.	4.562	35.057	4.426	27.792	32.408	1.275	1495.6	1587.	0.000490	0.751
1700.	4.317	35.031	4.174	27.798	32.421	1.323	1496.2	1685.	0.000484	0.733
1800.	4.246	35.035	4.094	27.809	32.436	1.372	1497.6	1784.	0.000481	0.705
1900.	4.066	35.020	3.907	27.816	32.448	1.419	1498.5	1883.	0.000475	0.715
2000.	3.890	35.000	3.724	27.819	32.456	1.467	1499.4	1981.	0.000473	0.636
2200.	3.595	34.979	3.414	27.833	32.480	1.561	1501.5	2178.	0.000464	0.707
2400.	3.337	34.973	3.141	27.853	32.508	1.652	1503.7	2375.	0.000447	0.771
2600.	3.133	34.966	2.921	27.867	32.528	1.740	1506.2	2572.	0.000436	0.690
2800.	2.960	34.956	2.731	27.875	32.543	1.826	1508.8	2768.	0.000431	0.597
3000.	2.823	34.947	2.576	27.880	32.555	1.912	1511.6	2965.	0.000428	0.548
3200.	2.718	34.936	2.452	27.881	32.559	1.998	1514.6	3161.	0.000431	0.449
3400.	2.647	34.928	2.362	27.881	32.564	2.084	1517.6	3357.	0.000436	0.391
3600.	2.600	34.921	2.294	27.880	32.565	2.172	1520.8	3553.	0.000444	0.336
3800.	2.558	34.914	2.231	27.878	32.567	2.262	1524.1	3748.	0.000451	0.309
4000.	2.528	34.909	2.178	27.876	32.569	2.353	1527.4	3944.	0.000461	0.313

DISCOVERY 81 STATION 9392

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.588	35.686	12.586	27.024	31.434	0.010	1500.5	10.	0.001047	-9.990
20.	12.586	35.687	12.583	27.025	31.436	0.021	1500.7	20.	0.001048	0.546
30.	12.587	35.687	12.583	27.025	31.436	0.031	1500.8	30.	0.001051	0.0
50.	12.587	35.688	12.580	27.025	31.436	0.053	1501.2	50.	0.001056	0.386
75.	12.556	35.697	12.546	27.038	31.451	0.079	1501.5	75.	0.001051	1.304
100.	12.537	35.706	12.524	27.049	31.464	0.105	1501.8	100.	0.001046	1.206
125.	12.536	35.705	12.519	27.049	31.464	0.131	1502.2	124.	0.001054	0.345
150.	12.528	35.703	12.508	27.049	31.464	0.158	1502.6	149.	0.001061	0.357
200.	12.341	35.672	12.314	27.061	31.482	0.211	1502.7	199.	0.001062	0.975
250.	11.844	35.607	11.812	27.108	31.540	0.263	1501.8	249.	0.001029	1.755
300.	11.630	35.590	11.591	27.135	31.573	0.314	1501.8	298.	0.001014	1.371
400.	11.263	35.566	11.212	27.185	31.634	0.415	1502.1	398.	0.000990	1.317
500.	10.994	35.545	10.931	27.219	31.675	0.513	1502.8	497.	0.000980	1.105
600.	10.586	35.531	10.512	27.281	31.749	0.609	1503.0	596.	0.000940	1.479
700.	10.341	35.599	10.256	27.378	31.852	0.700	1503.8	696.	0.000869	1.705
800.	10.180	35.696	10.083	27.482	31.961	0.783	1505.0	795.	0.000791	1.853
900.	10.198	35.825	10.087	27.579	32.059	0.859	1506.9	894.	0.000723	1.772
1000.	9.618	35.771	9.499	27.637	32.131	0.929	1506.3	993.	0.000679	1.560
1100.	9.137	35.767	9.009	27.715	32.220	0.994	1506.2	1092.	0.000618	1.680
1200.	8.083	35.604	7.953	27.754	32.285	1.053	1503.7	1191.	0.000576	1.466
1300.	6.985	35.426	6.853	27.776	32.332	1.109	1500.8	1290.	0.000543	1.304
1400.	6.142	35.298	6.008	27.790	32.367	1.162	1499.0	1389.	0.000520	1.149
1500.	5.059	35.121	4.926	27.785	32.389	1.213	1496.1	1488.	0.000502	1.039
1600.	4.731	35.082	4.593	27.792	32.405	1.263	1496.3	1586.	0.000495	0.819
1700.	4.344	35.030	4.201	27.794	32.417	1.312	1496.3	1685.	0.000489	0.776
1800.	4.030	34.995	3.882	27.800	32.432	1.361	1496.6	1784.	0.000480	0.828
1900.	3.865	34.981	3.709	27.806	32.443	1.408	1497.6	1883.	0.000475	0.682
2000.	3.735	34.976	3.571	27.816	32.457	1.456	1498.7	1981.	0.000469	0.738

DISCOVERY 81 STATION 9406

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.720	35.722	12.719	27.025	31.433	0.010	1501.0	10.	0.001046	-9.990
20.	12.724	35.722	12.721	27.024	31.431	0.021	1501.2	20.	0.001049	-0.546
30.	12.726	35.722	12.722	27.024	31.431	0.031	1501.3	30.	0.001052	0.0
50.	12.720	35.721	12.714	27.024	31.433	0.053	1501.6	50.	0.001058	0.386
75.	12.718	35.720	12.708	27.024	31.434	0.079	1502.0	75.	0.001065	0.0
100.	12.712	35.719	12.698	27.024	31.435	0.106	1502.4	100.	0.001071	0.488
125.	12.673	35.714	12.656	27.029	31.441	0.133	1502.7	124.	0.001073	0.783
150.	12.578	35.703	12.557	27.039	31.453	0.159	1502.8	149.	0.001070	1.163
200.	12.041	35.625	12.015	27.083	31.510	0.212	1501.7	199.	0.001040	1.733
250.	11.780	35.601	11.748	27.115	31.549	0.264	1501.5	249.	0.001022	1.455
300.	11.653	35.600	11.614	27.138	31.576	0.314	1501.9	298.	0.001012	1.270
400.	11.193	35.539	11.143	27.177	31.627	0.415	1501.9	398.	0.000996	1.182
500.	10.853	35.513	10.791	27.219	31.679	0.514	1502.3	497.	0.000978	1.230
600.	10.487	35.504	10.413	27.278	31.747	0.610	1502.6	596.	0.000942	1.433
700.	10.341	35.605	10.255	27.382	31.856	0.701	1503.8	696.	0.000865	1.850
800.	9.858	35.632	9.762	27.488	31.973	0.784	1503.7	795.	0.000782	1.904
900.	9.431	35.648	9.326	27.573	32.069	0.858	1503.8	894.	0.000716	1.732
1000.	9.647	35.772	9.528	27.633	32.127	0.928	1506.4	993.	0.000684	1.347
1100.	9.420	35.824	9.290	27.712	32.212	0.993	1507.3	1092.	0.000626	1.644
1200.	8.603	35.712	8.468	27.758	32.277	1.054	1505.8	1191.	0.000585	1.460
1300.	7.310	35.493	7.175	27.782	32.331	1.111	1502.2	1290.	0.000547	1.395
1400.	6.438	35.359	6.300	27.799	32.369	1.164	1500.3	1389.	0.000521	1.195
1500.	5.658	35.236	5.518	27.803	32.393	1.215	1498.6	1488.	0.000506	1.017
1600.	4.919	35.125	4.778	27.805	32.413	1.265	1497.1	1586.	0.000491	0.973
1700.	4.426	35.053	4.282	27.803	32.425	1.314	1496.7	1685.	0.000483	0.804
1800.	4.146	35.020	3.996	27.808	32.436	1.362	1497.1	1784.	0.000478	0.760
1900.	3.954	35.004	3.797	27.816	32.450	1.409	1498.0	1883.	0.000471	0.750
2000.	3.780	34.988	3.615	27.821	32.460	1.456	1498.9	1981.	0.000466	0.679
2200.	3.550	34.986	3.370	27.842	32.490	1.548	1501.3	2178.	0.000453	0.749
2400.	3.314	34.977	3.118	27.858	32.513	1.637	1503.6	2375.	0.000441	0.718
2600.	3.082	34.965	2.871	27.871	32.534	1.724	1506.0	2572.	0.000429	0.687
2800.	2.923	34.954	2.695	27.877	32.546	1.810	1508.7	2768.	0.000426	0.571
3000.	2.799	34.945	2.552	27.861	32.555	1.895	1511.5	2965.	0.000425	0.507
3200.	2.719	34.937	2.453	27.882	32.560	1.980	1514.6	3161.	0.000431	0.394
3400.	2.652	34.929	2.367	27.881	32.563	2.067	1517.7	3357.	0.000437	0.383
3600.	2.601	34.922	2.295	27.880	32.565	2.155	1520.9	3553.	0.000444	0.342
3800.	2.552	34.914	2.225	27.878	32.568	2.245	1524.1	3748.	0.000451	0.324
4000.	2.524	34.909	2.175	27.876	32.569	2.336	1527.4	3944.	0.000461	0.283

DISCOVERY 81 STATION 9391

P-DB	T-DEGC	S-O/OO	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.976	35.736	12.975	26.984	31.387	0.011	1501.9	10.	0.001084	-9.990
20.	12.971	35.736	12.969	26.985	31.368	0.022	1502.0	20.	0.001087	0.546
30.	12.965	35.736	12.961	26.986	31.390	0.033	1502.2	30.	0.001088	0.785
50.	12.958	35.738	12.951	26.990	31.393	0.054	1502.5	50.	0.001091	0.778
75.	12.945	35.742	12.935	26.995	31.399	0.082	1502.8	75.	0.001092	0.850
100.	12.862	35.735	12.849	27.006	31.414	0.109	1503.0	100.	0.001086	1.258
125.	12.808	35.726	12.791	27.010	31.420	0.136	1503.2	124.	0.001091	0.788
150.	12.792	35.722	12.772	27.011	31.421	0.163	1503.5	149.	0.001098	0.488
200.	12.194	35.634	12.168	27.061	31.485	0.218	1502.2	199.	0.001061	1.839
250.	11.924	35.606	11.891	27.091	31.522	0.270	1502.0	249.	0.001046	1.435
300.	11.697	35.572	11.659	27.108	31.545	0.323	1502.0	298.	0.001040	1.106
400.	11.263	35.536	11.212	27.162	31.611	0.425	1502.1	398.	0.001011	1.368
500.	10.950	35.520	10.887	27.207	31.664	0.525	1502.6	497.	0.000990	1.251
600.	10.701	35.518	10.626	27.251	31.715	0.623	1503.4	596.	0.000970	1.238
700.	10.477	35.547	10.391	27.313	31.785	0.719	1504.2	696.	0.000931	1.462
800.	10.097	35.627	10.001	27.443	31.924	0.807	1504.6	795.	0.000827	2.079
900.	9.687	35.666	9.580	27.544	32.035	0.885	1504.8	894.	0.000748	1.869
1000.	9.112	35.637	8.997	27.617	32.121	0.956	1504.3	993.	0.000688	1.653
1100.	8.613	35.649	8.489	27.707	32.224	1.021	1504.1	1092.	0.000614	1.798
1200.	8.085	35.603	7.954	27.754	32.284	1.081	1503.7	1191.	0.000576	1.396
1300.	7.171	35.472	7.037	27.786	32.338	1.137	1501.6	1290.	0.000539	1.375
1400.	6.270	35.335	6.134	27.802	32.376	1.189	1499.6	1389.	0.000513	1.198
1500.	5.377	35.199	5.241	27.808	32.404	1.239	1497.5	1488.	0.000492	1.104
1600.	4.855	35.126	4.715	27.813	32.422	1.288	1496.9	1587.	0.000481	0.992
1700.	4.463	35.069	4.318	27.812	32.432	1.336	1496.9	1685.	0.000477	0.738
1800.	4.240	35.042	4.088	27.816	32.443	1.383	1497.6	1784.	0.000475	0.685
1900.	4.019	35.019	3.861	27.821	32.454	1.431	1498.3	1883.	0.000469	0.718
2000.	3.871	35.007	3.705	27.826	32.464	1.477	1499.3	1981.	0.000465	0.672

DISCOVERY 81 STATION 9390

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	11.988	35.613	11.987	27.084	31.507	0.010	1498.4	10.	0.000989	-9.990
20.	11.979	35.614	11.976	27.087	31.511	0.020	1498.5	20.	0.000989	1.092
30.	11.946	35.617	11.942	27.095	31.520	0.030	1498.6	30.	0.000984	1.650
50.	11.891	35.615	11.885	27.105	31.531	0.049	1498.7	50.	0.000980	1.225
75.	11.829	35.610	11.819	27.113	31.541	0.074	1498.9	75.	0.000980	1.047
100.	11.807	35.607	11.794	27.115	31.544	0.098	1499.2	100.	0.000984	0.605
125.	11.761	35.601	11.744	27.119	31.550	0.123	1499.4	124.	0.000986	0.788
150.	11.752	35.600	11.732	27.120	31.551	0.148	1499.8	149.	0.000991	0.497
200.	11.742	35.598	11.716	27.120	31.553	0.198	1500.6	199.	0.001004	0.252
250.	11.660	35.584	11.628	27.125	31.561	0.248	1501.1	249.	0.001012	0.618
300.	11.468	35.563	11.430	27.144	31.586	0.298	1501.2	298.	0.001005	1.179
400.	11.122	35.536	11.071	27.188	31.640	0.397	1501.6	398.	0.000986	1.233
500.	10.908	35.528	10.846	27.221	31.680	0.495	1502.5	497.	0.000976	1.084
600.	10.670	35.514	10.595	27.253	31.719	0.593	1503.2	596.	0.000967	1.095
700.	10.272	35.511	10.187	27.321	31.797	0.687	1503.4	696.	0.000921	1.536
800.	10.250	35.635	10.152	27.422	31.899	0.776	1505.2	795.	0.000849	1.794
900.	10.033	35.725	9.923	27.530	32.015	0.856	1506.1	894.	0.000766	1.896
1000.	9.815	35.769	9.695	27.602	32.093	0.930	1507.0	993.	0.000716	1.564
1100.	9.364	35.779	9.234	27.687	32.188	0.998	1507.0	1092.	0.000649	1.744
1200.	8.673	35.684	8.537	27.724	32.242	1.062	1506.0	1191.	0.000617	1.340
1300.	7.760	35.565	7.620	27.773	32.312	1.121	1504.0	1290.	0.000568	1.533
1400.	7.185	35.502	7.040	27.808	32.360	1.176	1503.4	1389.	0.000536	1.301
1500.	6.325	35.366	6.178	27.820	32.393	1.228	1501.5	1488.	0.000513	1.156
1600.	5.597	35.251	5.448	27.823	32.414	1.279	1500.1	1587.	0.000498	1.002
1700.	4.863	35.141	4.713	27.824	32.434	1.328	1498.6	1685.	0.000482	1.012
1800.	4.427	35.084	4.273	27.828	32.450	1.375	1498.4	1784.	0.000471	0.869
1900.	4.061	35.035	3.902	27.829	32.460	1.422	1498.5	1883.	0.000463	0.778
2000.	3.883	35.022	3.717	27.837	32.474	1.468	1499.4	1981.	0.000456	0.766
2200.	3.571	35.003	3.391	27.853	32.500	1.558	1501.4	2178.	0.000443	0.747
2400.	3.363	34.990	3.166	27.864	32.518	1.646	1503.8	2375.	0.000438	0.634
2600.	3.135	34.972	2.923	27.871	32.533	1.733	1506.2	2572.	0.000432	0.627
2800.	2.929	34.957	2.700	27.878	32.547	1.818	1508.7	2768.	0.000425	0.615
3000.	2.792	34.945	2.546	27.881	32.556	1.903	1511.5	2965.	0.000425	0.507
3200.	2.711	34.935	2.446	27.881	32.559	1.989	1514.5	3161.	0.000430	0.395
3400.	2.630	34.927	2.346	27.881	32.564	2.075	1517.6	3357.	0.000435	0.405
3600.	2.576	34.919	2.271	27.880	32.566	2.163	1520.7	3553.	0.000442	0.349
3800.	2.546	34.913	2.219	27.878	32.568	2.252	1524.0	3748.	0.000450	0.281
4000.	2.518	34.908	2.169	27.876	32.569	2.343	1527.3	3944.	0.000460	0.281

DISCOVERY 61 STATION 9368

XXX

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.412	35.681	12.411	27.055	31.468	0.010	1499.9	10.	0.001018	-9.990
20.	12.413	35.681	12.410	27.054	31.468	0.020	1500.1	20.	0.001020	0.0
30.	12.415	35.681	12.411	27.054	31.468	0.031	1500.2	30.	0.001023	0.0
50.	12.417	35.680	12.411	27.053	31.468	0.051	1500.6	50.	0.001030	0.0
75.	12.421	35.680	12.411	27.052	31.467	0.077	1501.0	75.	0.001037	0.0
100.	12.415	35.678	12.401	27.052	31.468	0.103	1501.4	100.	0.001044	0.345
125.	12.343	35.665	12.326	27.056	31.475	0.129	1501.5	124.	0.001047	0.793
150.	12.247	35.654	12.227	27.066	31.488	0.155	1501.6	149.	0.001044	1.216
200.	12.042	35.642	12.016	27.097	31.524	0.207	1501.7	199.	0.001027	1.425
250.	11.731	35.615	11.699	27.135	31.570	0.258	1501.4	249.	0.001002	1.597
300.	11.632	35.612	11.593	27.152	31.589	0.308	1501.9	298.	0.000999	1.084
400.	11.264	35.580	11.213	27.196	31.644	0.407	1502.2	398.	0.000980	1.248
500.	10.995	35.569	10.932	27.237	31.693	0.504	1502.8	497.	0.000962	1.208
600.	10.867	35.595	10.792	27.281	31.741	0.599	1504.0	596.	0.000944	1.233
700.	10.875	35.722	10.786	27.378	31.840	0.691	1505.9	696.	0.000876	1.774
800.	10.794	35.617	10.693	27.467	31.933	0.776	1507.3	795.	0.000815	1.709
900.	10.616	35.881	10.505	27.548	32.020	0.854	1508.4	894.	0.000759	1.654
1000.	9.954	35.825	9.833	27.622	32.109	0.927	1507.6	993.	0.000700	1.666
1100.	9.641	35.844	9.509	27.691	32.186	0.995	1508.1	1092.	0.000651	1.560
1200.	9.276	35.833	9.134	27.747	32.252	1.058	1508.4	1191.	0.000611	1.462
1300.	8.516	35.733	8.369	27.786	32.308	1.117	1507.1	1290.	0.000576	1.379
1400.	7.133	35.466	6.959	27.791	32.346	1.174	1503.0	1389.	0.000549	1.248
1500.	5.772	35.243	5.631	27.794	32.381	1.227	1499.1	1488.	0.000518	1.258
1600.	4.940	35.121	4.799	27.799	32.407	1.277	1497.2	1587.	0.000497	1.083
1700.	4.717	35.104	4.569	27.811	32.426	1.326	1497.9	1685.	0.000488	0.861
1800.	4.327	35.052	4.174	27.814	32.438	1.375	1497.9	1784.	0.000480	0.817
1900.	4.077	35.028	3.918	27.821	32.453	1.422	1498.5	1883.	0.000471	0.804

DISCOVERY 81 STATION 9389

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.482	35.690	12.481	27.048	31.460	0.010	1500.2	10.	0.001024	-9.990
20.	12.483	35.690	12.480	27.048	31.461	0.020	1500.3	20.	0.001027	0.0
30.	12.486	35.692	12.482	27.049	31.462	0.031	1500.5	30.	0.001029	0.564
50.	12.494	35.697	12.487	27.051	31.465	0.051	1500.9	50.	0.001031	0.669
75.	12.484	35.705	12.474	27.059	31.473	0.077	1501.2	75.	0.001031	1.040
100.	12.470	35.702	12.456	27.060	31.475	0.103	1501.6	100.	0.001036	0.496
125.	12.425	35.692	12.409	27.061	31.478	0.129	1501.8	124.	0.001042	0.504
150.	12.396	35.686	12.376	27.061	31.480	0.155	1502.1	149.	0.001048	0.497
200.	11.846	35.620	11.820	27.117	31.548	0.206	1501.0	199.	0.001007	1.915
250.	11.687	35.608	11.654	27.138	31.574	0.257	1501.2	249.	0.000999	1.220
300.	11.453	35.586	11.415	27.165	31.608	0.306	1501.2	298.	0.000985	1.374
400.	11.196	35.575	11.145	27.205	31.654	0.404	1501.9	398.	0.000970	1.174
500.	10.970	35.580	10.908	27.250	31.707	0.500	1502.8	497.	0.000949	1.253
600.	10.811	35.625	10.736	27.314	31.775	0.594	1503.9	596.	0.000912	1.459
700.	10.763	35.702	10.675	27.383	31.848	0.683	1505.4	696.	0.000870	1.507
800.	10.512	35.755	10.413	27.469	31.941	0.767	1506.3	795.	0.000809	1.706
900.	10.188	35.804	10.078	27.565	32.045	0.844	1506.8	894.	0.000737	1.808
1000.	9.940	35.846	9.819	27.641	32.128	0.915	1507.6	993.	0.000682	1.616
1100.	9.588	35.849	9.457	27.704	32.200	0.980	1508.0	1092.	0.000638	1.511
1200.	9.174	35.824	9.034	27.753	32.260	1.043	1508.0	1191.	0.000604	1.381
1300.	7.895	35.599	7.754	27.779	32.316	1.101	1504.6	1290.	0.000565	1.412
1400.	6.736	35.412	6.595	27.800	32.363	1.155	1501.5	1389.	0.000530	1.345
1500.	5.658	35.241	5.519	27.807	32.397	1.207	1498.6	1488.	0.000503	1.199
1600.	5.155	35.171	5.011	27.813	32.415	1.257	1498.2	1586.	0.000491	0.902
1700.	4.734	35.112	4.586	27.816	32.430	1.306	1498.0	1685.	0.000484	0.816
1800.	4.533	35.096	4.378	27.826	32.446	1.354	1498.8	1784.	0.000478	0.803
1900.	4.238	35.056	4.076	27.826	32.455	1.401	1499.2	1883.	0.000474	0.688
2000.	3.930	35.023	3.763	27.833	32.469	1.448	1499.6	1981.	0.000463	0.652
2200.	3.615	35.001	3.434	27.848	32.494	1.539	1501.6	2178.	0.000451	0.738
2400.	3.374	34.987	3.177	27.861	32.515	1.629	1503.9	2375.	0.000442	0.689
2600.	3.158	34.974	2.945	27.871	32.532	1.716	1506.3	2572.	0.000434	0.654
2800.	2.960	34.959	2.731	27.878	32.546	1.802	1508.8	2768.	0.000427	0.620
3000.	2.842	34.949	2.594	27.880	32.554	1.888	1511.7	2965.	0.000429	0.486
3200.	2.752	34.940	2.485	27.881	32.558	1.974	1514.7	3161.	0.000433	0.429
3400.	2.677	34.931	2.391	27.881	32.562	2.061	1517.8	3357.	0.000439	0.396
3600.	2.621	34.924	2.315	27.880	32.566	2.150	1520.9	3553.	0.000446	0.351
3800.	2.577	34.917	2.249	27.879	32.568	2.240	1524.2	3748.	0.000453	0.312
4000.	2.548	34.912	2.198	27.877	32.568	2.331	1527.5	3944.	0.000463	0.287

DISCOVERY 81 STATION 9388

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.145	35.641	12.144	27.076	31.495	0.010	1498.9	10.	0.000998	-9.990
20.	12.142	35.641	12.139	27.077	31.496	0.020	1499.1	20.	0.001000	0.785
30.	12.138	35.644	12.134	27.080	31.500	0.030	1499.2	30.	0.001000	1.101
50.	12.137	35.646	12.130	27.081	31.502	0.050	1499.6	50.	0.001003	0.546
75.	12.137	35.646	12.127	27.081	31.504	0.075	1500.0	75.	0.001010	0.345
100.	12.135	35.649	12.122	27.084	31.507	0.100	1500.4	100.	0.001013	0.605
125.	12.138	35.652	12.121	27.086	31.509	0.126	1500.8	124.	0.001018	0.488
150.	12.145	35.654	12.125	27.086	31.510	0.151	1501.2	149.	0.001025	0.345
200.	12.070	35.646	12.044	27.094	31.520	0.203	1501.8	199.	0.001029	0.749
250.	11.786	35.613	11.754	27.123	31.557	0.254	1501.6	249.	0.001014	1.418
300.	11.531	35.590	11.492	27.154	31.594	0.304	1501.5	298.	0.000996	1.462
400.	11.273	35.574	11.223	27.190	31.637	0.403	1502.2	398.	0.000985	1.122
500.	10.878	35.530	10.816	27.228	31.686	0.501	1502.4	497.	0.000970	1.173
600.	10.549	35.529	10.475	27.286	31.754	0.597	1502.8	596.	0.000935	1.439
700.	10.557	35.679	10.471	27.401	31.870	0.686	1504.7	696.	0.000850	1.920
800.	10.713	35.839	10.612	27.498	31.966	0.768	1507.1	795.	0.000784	1.745
900.	10.468	35.863	10.356	27.561	32.036	0.844	1507.9	894.	0.000745	1.485
1000.	10.544	35.997	10.418	27.652	32.127	0.915	1510.0	993.	0.000683	1.700
1100.	10.223	35.996	10.087	27.709	32.192	0.981	1510.4	1092.	0.000647	1.441
1200.	9.347	35.866	9.205	27.757	32.266	1.044	1508.7	1191.	0.000603	1.500
1300.	8.271	35.674	8.126	27.780	32.309	1.103	1506.1	1290.	0.000575	1.303
1400.	6.779	35.423	6.638	27.803	32.365	1.158	1501.7	1389.	0.000528	1.487
1500.	5.841	35.275	5.700	27.810	32.395	1.209	1499.4	1488.	0.000505	1.145
1600.	5.270	35.192	5.125	27.816	32.416	1.259	1498.7	1586.	0.000493	0.959
1700.	4.900	35.145	4.750	27.823	32.432	1.308	1498.8	1685.	0.000484	0.828
1800.	4.595	35.107	4.439	27.828	32.446	1.356	1499.1	1784.	0.000478	0.795
1900.	4.301	35.074	4.139	27.834	32.460	1.403	1499.5	1883.	0.000469	0.822
2000.	4.024	35.064	3.856	27.855	32.489	1.449	1500.0	1981.	0.000446	1.058

DISCOVERY 81 STATION 9371

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.118	35.642	12.116	27.082	31.502	0.010	1498.8	10.	0.000991	-9.990
20.	12.119	35.642	12.116	27.082	31.502	0.020	1499.0	20.	0.000994	0.0
30.	12.119	35.642	12.115	27.081	31.502	0.030	1499.2	30.	0.000998	0.546
50.	12.123	35.642	12.116	27.081	31.502	0.050	1499.5	50.	0.001003	0.0
75.	12.126	35.643	12.116	27.081	31.503	0.075	1499.9	75.	0.001010	0.0
100.	12.129	35.643	12.116	27.080	31.503	0.100	1500.4	100.	0.001017	0.0
125.	12.128	35.643	12.112	27.081	31.504	0.126	1500.8	124.	0.001023	0.357
150.	12.108	35.640	12.088	27.083	31.507	0.151	1501.1	149.	0.001028	0.505
200.	11.418	35.534	11.393	27.131	31.572	0.202	1499.4	199.	0.000992	1.813
250.	11.227	35.517	11.196	27.154	31.600	0.251	1499.5	249.	0.000983	1.248
300.	11.265	35.548	11.227	27.171	31.617	0.300	1500.5	298.	0.000979	1.065
400.	11.070	35.543	11.019	27.203	31.656	0.398	1501.4	398.	0.000971	1.062
500.	10.917	35.544	10.854	27.232	31.689	0.495	1502.5	497.	0.000967	1.018
600.	10.567	35.545	10.493	27.295	31.763	0.590	1502.9	596.	0.000926	1.483
700.	10.238	35.595	10.153	27.393	31.869	0.679	1503.4	696.	0.000854	1.806
800.	10.992	35.876	10.890	27.477	31.938	0.761	1508.1	795.	0.000809	1.529
900.	10.811	35.949	10.696	27.559	32.027	0.839	1509.2	894.	0.000752	1.663
1000.	10.545	35.962	10.419	27.624	32.099	0.912	1509.9	993.	0.000709	1.514
1100.	9.863	35.887	9.729	27.686	32.177	0.981	1509.0	1092.	0.000660	1.581
1200.	9.105	35.792	8.966	27.739	32.248	1.044	1507.7	1191.	0.000615	1.531
1300.	8.098	35.632	7.955	27.775	32.306	1.104	1505.4	1290.	0.000575	1.426
1400.	6.920	35.441	6.777	27.797	32.356	1.159	1502.3	1389.	0.000537	1.383
1500.	5.941	35.284	5.798	27.805	32.387	1.212	1499.8	1488.	0.000514	1.162
1600.	5.310	35.198	5.164	27.816	32.414	1.262	1498.8	1586.	0.000494	1.066
1700.	4.936	35.145	4.785	27.819	32.427	1.311	1498.9	1685.	0.000489	0.777
1800.	4.676	35.118	4.519	27.827	32.444	1.360	1499.5	1784.	0.000482	0.813
1900.	4.317	35.075	4.155	27.833	32.459	1.407	1499.6	1883.	0.000471	0.858
2000.	4.044	35.041	3.876	27.836	32.469	1.454	1500.1	1981.	0.000466	0.743

DISCOVERY 81 STATION 9387

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	RVFR-CY/HR
10.	12.063	35.620	12.062	27.075	31.497	0.010	1498.6	10.	0.000998	-9.990
20.	12.063	35.621	12.060	27.076	31.497	0.020	1498.8	20.	0.000999	0.546
30.	12.063	35.623	12.060	27.077	31.499	0.030	1499.0	30.	0.001001	0.785
50.	12.068	35.632	12.061	27.084	31.506	0.050	1499.3	50.	0.001000	1.026
75.	12.077	35.637	12.068	27.086	31.508	0.075	1499.8	75.	0.001005	0.598
100.	12.089	35.641	12.076	27.087	31.511	0.100	1500.2	100.	0.001010	0.480
125.	12.104	35.646	12.087	27.088	31.511	0.126	1500.7	124.	0.001016	0.334
150.	12.112	35.650	12.093	27.089	31.513	0.151	1501.1	149.	0.001022	0.497
200.	12.121	35.659	12.094	27.094	31.520	0.202	1502.0	199.	0.001029	0.602
250.	11.663	35.590	11.631	27.129	31.565	0.254	1501.1	249.	0.001008	1.553
300.	11.636	35.612	11.597	27.151	31.569	0.304	1501.9	298.	0.001000	1.232
400.	11.191	35.556	11.140	27.191	31.641	0.403	1501.9	398.	0.000984	1.206
500.	10.937	35.557	10.875	27.238	31.695	0.501	1502.6	497.	0.000961	1.280
600.	10.893	35.636	10.817	27.306	31.769	0.595	1504.2	596.	0.000918	1.516
700.	11.059	35.805	10.970	27.409	31.867	0.683	1506.6	696.	0.000849	1.782
800.	10.824	35.870	10.723	27.502	31.968	0.766	1507.5	795.	0.000782	1.772
900.	10.604	35.920	10.491	27.582	32.054	0.841	1508.4	894.	0.000728	1.643
1000.	10.324	35.946	10.200	27.651	32.131	0.912	1509.1	993.	0.000680	1.555
1100.	9.813	35.895	9.680	27.701	32.193	0.978	1508.8	1092.	0.000645	1.413
1200.	9.226	35.817	9.085	27.739	32.245	1.041	1508.2	1191.	0.000617	1.307
1300.	8.292	35.666	8.147	27.771	32.298	1.101	1506.2	1290.	0.000584	1.359
1400.	7.187	35.483	7.042	27.792	32.345	1.158	1503.4	1389.	0.000550	1.344
1500.	6.192	35.319	6.047	27.800	32.377	1.212	1500.9	1488.	0.000527	1.166
1600.	5.445	35.209	5.298	27.808	32.403	1.263	1499.4	1586.	0.000506	1.085
1700.	4.808	35.117	4.659	27.811	32.423	1.313	1498.3	1685.	0.000492	0.968
1800.	4.456	35.076	4.331	27.816	32.436	1.362	1498.6	1784.	0.000485	0.704
1900.	4.318	35.065	4.156	27.825	32.452	1.410	1499.6	1883.	0.000478	0.762
2000.	4.067	35.046	3.898	27.837	32.470	1.458	1500.2	1981.	0.000465	0.884
2200.	3.739	35.019	3.556	27.849	32.493	1.550	1502.1	2178.	0.000456	0.714
2400.	3.443	34.998	3.245	27.862	32.515	1.640	1504.2	2375.	0.000444	0.714
2600.	3.234	34.980	3.020	27.869	32.528	1.728	1506.7	2572.	0.000440	0.601
2800.	3.032	34.964	2.801	27.875	32.541	1.815	1509.1	2768.	0.000436	0.598
3000.	2.890	34.952	2.642	27.878	32.551	1.902	1511.0	2965.	0.000434	0.526
3200.	2.781	34.941	2.514	27.880	32.557	1.989	1514.8	3161.	0.000437	0.453
3400.	2.696	34.932	2.409	27.880	32.561	2.077	1517.9	3357.	0.000441	0.431
3600.	2.635	34.925	2.329	27.879	32.565	2.166	1521.0	3553.	0.000448	0.361
3800.	2.585	34.918	2.257	27.878	32.567	2.256	1524.2	3748.	0.000454	0.351
4000.	2.551	34.912	2.201	27.876	32.568	2.348	1527.5	3944.	0.000463	0.297

DISCOVERY 81 STATTON 9374

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.304	35.702	12.302	27.092	31.508	0.010	1499.6	10.	0.000982	-9.990
20.	12.304	35.701	12.301	27.091	31.507	0.020	1499.7	20.	0.000985	0.0
30.	12.305	35.701	12.301	27.091	31.507	0.030	1499.9	30.	0.000989	0.0
50.	12.307	35.701	12.300	27.091	31.507	0.049	1500.2	50.	0.000994	0.0
75.	12.311	35.701	12.301	27.090	31.507	0.074	1500.6	75.	0.001002	0.0
100.	12.309	35.700	12.296	27.090	31.507	0.099	1501.0	100.	0.001008	0.0
125.	12.284	35.697	12.268	27.092	31.512	0.125	1501.4	124.	0.001013	0.605
150.	12.196	35.693	12.176	27.106	31.528	0.150	1501.5	149.	0.001006	1.353
200.	11.834	35.648	11.808	27.141	31.572	0.200	1501.0	199.	0.000984	1.558
250.	11.753	35.643	11.720	27.153	31.587	0.249	1501.5	249.	0.000986	0.929
300.	11.390	35.577	11.352	27.170	31.614	0.298	1501.0	298.	0.000980	1.125
400.	10.974	35.537	10.924	27.216	31.670	0.395	1501.1	398.	0.000958	1.274
500.	10.750	35.538	10.688	27.258	31.719	0.490	1501.9	497.	0.000941	1.203
600.	10.664	35.627	10.590	27.342	31.808	0.582	1503.4	596.	0.000884	1.662
700.	10.450	35.705	10.364	27.441	31.912	0.666	1504.3	696.	0.000812	1.808
800.	10.945	35.919	10.843	27.518	31.981	0.745	1508.0	795.	0.000770	1.511
900.	10.824	35.968	10.710	27.579	32.046	0.820	1509.3	894.	0.000735	1.430
1000.	10.678	36.014	10.552	27.641	32.113	0.892	1510.5	993.	0.000696	1.459
1100.	10.459	36.036	10.321	27.697	32.176	0.960	1511.3	1092.	0.000662	1.407
1200.	10.003	36.000	9.855	27.750	32.240	1.024	1511.3	1191.	0.000625	1.442
1300.	8.367	35.685	8.222	27.774	32.300	1.084	1506.5	1290.	0.000582	1.487
1400.	7.654	35.591	7.504	27.809	32.352	1.141	1505.3	1389.	0.000549	1.347
1500.	6.195	35.331	6.050	27.809	32.386	1.194	1500.9	1488.	0.000518	1.265
1600.	5.396	35.207	5.250	27.813	32.409	1.245	1499.2	1586.	0.000501	1.044
1700.	4.713	35.102	4.565	27.810	32.424	1.294	1497.9	1685.	0.000489	0.922
1800.	4.538	35.092	4.383	27.822	32.442	1.343	1498.9	1784.	0.000481	0.817
1900.	4.284	35.066	4.122	27.829	32.455	1.390	1499.4	1883.	0.000473	0.803
2000.	4.072	35.044	3.903	27.835	32.468	1.437	1500.2	1981.	0.000467	0.741

DISCOVERY 81 STATION 9386

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	DVER-CY/HR
10.	12.578	35.773	12.577	27.093	31.504	0.010	1500.6	10.	0.000981	-9.990
20.	12.579	35.773	12.576	27.093	31.504	0.020	1500.7	20.	0.000984	0.546
30.	12.580	35.773	12.576	27.093	31.504	0.029	1500.9	30.	0.000987	0.0
50.	12.580	35.773	12.573	27.093	31.504	0.049	1501.2	50.	0.000993	0.0
75.	12.566	35.771	12.556	27.094	31.506	0.074	1501.6	75.	0.000999	0.345
100.	12.547	35.768	12.534	27.095	31.508	0.099	1501.9	100.	0.001003	0.504
125.	12.543	35.767	12.526	27.095	31.509	0.124	1502.3	124.	0.001010	0.357
150.	12.515	35.759	12.495	27.095	31.510	0.150	1502.6	149.	0.001018	0.357
200.	12.420	35.741	12.394	27.100	31.518	0.201	1503.1	199.	0.001026	0.615
250.	11.958	35.669	11.926	27.134	31.565	0.251	1502.2	249.	0.001005	1.536
300.	11.709	35.634	11.670	27.154	31.590	0.301	1502.1	298.	0.000997	1.212
400.	11.284	35.588	11.233	27.199	31.646	0.400	1502.2	398.	0.000977	1.252
500.	11.122	35.596	11.056	27.235	31.688	0.497	1503.3	497.	0.000966	1.132
600.	11.068	35.657	10.992	27.292	31.749	0.592	1504.8	596.	0.000936	1.371
700.	11.353	35.881	11.262	27.414	31.866	0.682	1507.8	696.	0.000849	1.945
800.	11.211	35.978	11.107	27.515	31.972	0.763	1509.0	795.	0.000777	1.835
900.	10.937	36.044	10.821	27.586	32.051	0.838	1509.7	894.	0.000730	1.568
1000.	10.700	36.031	10.573	27.653	32.122	0.908	1510.6	993.	0.000688	1.497
1100.	10.353	36.024	10.215	27.707	32.187	0.975	1510.9	1092.	0.000651	1.436
1200.	9.926	35.987	9.779	27.753	32.245	1.038	1511.0	1191.	0.000621	1.359
1300.	9.157	35.868	9.004	27.796	32.299	1.099	1509.7	1290.	0.000588	1.366
1400.	7.776	35.620	7.625	27.814	32.353	1.156	1505.8	1389.	0.000548	1.446
1500.	5.974	35.286	5.831	27.803	32.384	1.209	1500.0	1488.	0.000517	1.268
1600.	5.122	35.152	4.978	27.802	32.405	1.260	1498.0	1586.	0.000501	1.021
1700.	4.756	35.111	4.607	27.812	32.425	1.309	1498.1	1685.	0.000488	0.913
1800.	4.407	35.066	4.253	27.816	32.438	1.358	1498.3	1784.	0.000481	0.818
1900.	4.164	35.046	4.004	27.827	32.456	1.406	1498.9	1883.	0.000470	0.867
2000.	3.939	35.024	3.772	27.833	32.469	1.452	1499.6	1981.	0.000463	0.774
2200.	3.674	35.013	3.491	27.851	32.496	1.544	1501.8	2178.	0.000450	0.751
2400.	3.419	34.995	3.221	27.863	32.516	1.633	1504.1	2375.	0.000442	0.677
2600.	3.158	34.976	2.945	27.872	32.533	1.720	1506.3	2572.	0.000432	0.688
2800.	2.943	34.958	2.714	27.878	32.547	1.806	1508.8	2768.	0.000426	0.610
3000.	2.843	34.946	2.596	27.879	32.553	1.892	1511.7	2965.	0.000430	0.431
3200.	2.725	34.937	2.459	27.881	32.559	1.978	1514.6	3161.	0.000431	0.483
3400.	2.641	34.928	2.356	27.881	32.564	2.064	1517.6	3357.	0.000436	0.410
3600.	2.571	34.918	2.266	27.880	32.566	2.152	1520.7	3553.	0.000442	0.379
3800.	2.525	34.911	2.198	27.878	32.568	2.241	1523.9	3748.	0.000448	0.319
4000.	2.5[illegible]	34.906	2.152	27.876	32.57[illegible]	2.332	1527.3	3944.	0.000458	0.272

DISCOVERY 81 STATION 9377

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	RVFR-CY/HR
10.	12.791	35.770	12.790	27.048	31.454	0.010	1501.3	10.	0.001024	-9.990
20.	12.794	35.770	12.791	27.047	31.454	0.020	1501.5	20.	0.001028	0.0
30.	12.795	35.769	12.791	27.047	31.453	0.031	1501.6	30.	0.001031	0.0
50.	12.796	35.769	12.789	27.046	31.453	0.051	1502.0	50.	0.001036	0.0
75.	12.778	35.767	12.767	27.048	31.456	0.077	1502.3	75.	0.001042	0.605
100.	12.531	35.744	12.518	27.079	31.493	0.103	1501.8	100.	0.001018	2.035
125.	12.447	35.733	12.430	27.088	31.504	0.129	1502.0	124.	0.001017	1.110
150.	12.367	35.723	12.347	27.096	31.514	0.154	1502.1	149.	0.001016	1.055
200.	12.144	35.698	12.118	27.120	31.545	0.205	1502.1	199.	0.001005	1.269
250.	11.898	35.663	11.865	27.141	31.572	0.255	1502.0	249.	0.000999	1.207
300.	11.635	35.630	11.597	27.165	31.603	0.304	1501.9	298.	0.000986	1.309
400.	11.191	35.579	11.140	27.208	31.658	0.402	1501.9	398.	0.000968	1.242
500.	11.054	35.610	10.991	27.258	31.712	0.498	1503.1	497.	0.000944	1.302
600.	11.022	35.706	10.946	27.338	31.796	0.590	1504.7	596.	0.000891	1.619
700.	10.972	35.810	10.884	27.429	31.889	0.676	1506.3	696.	0.000830	1.721
800.	11.037	35.918	10.934	27.500	31.961	0.756	1508.3	795.	0.000787	1.520
900.	10.805	35.982	10.691	27.593	32.060	0.831	1509.2	894.	0.000721	1.767
1000.	10.818	36.066	10.690	27.656	32.126	0.901	1511.0	993.	0.000685	1.436
1100.	10.552	36.080	10.413	27.715	32.191	0.968	1511.7	1092.	0.000649	1.448
1200.	10.195	36.054	10.046	27.758	32.244	1.032	1512.1	1191.	0.000622	1.305
1300.	9.175	35.875	9.022	27.793	32.301	1.092	1509.8	1290.	0.000587	1.405
1400.	8.153	35.690	7.998	27.811	32.343	1.149	1507.3	1389.	0.000561	1.255
1500.	6.404	35.381	6.256	27.821	32.393	1.203	1501.8	1488.	0.000514	1.485
1600.	5.579	35.243	5.430	27.819	32.411	1.254	1500.0	1586.	0.000502	0.967
1700.	4.867	35.139	4.717	27.822	32.432	1.303	1498.6	1685.	0.000484	1.015
1800.	4.351	35.070	4.198	27.825	32.450	1.350	1498.1	1784.	0.000471	0.929
1900.	4.101	35.052	3.942	27.838	32.468	1.397	1498.7	1883.	0.000457	0.890
2000.	3.903	35.033	3.737	27.844	32.481	1.442	1499.5	1981.	0.000451	0.727

DISCOVERY 81 STATION 9385

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.622	35.774	12.621	27.085	31.494	0.010	1500.7	10.	0.000989	-9.990
20.	12.620	35.774	12.617	27.085	31.495	0.020	1500.9	20.	0.000992	0.0
30.	12.616	35.773	12.612	27.085	31.496	0.030	1501.[illegible]	30.	0.000993	0.546
50.	12.601	35.770	12.595	27.086	31.497	0.050	1501.3	50.	0.000999	0.386
75.	12.575	35.765	12.565	27.087	31.500	0.075	1501.6	75.	0.001004	0.496
100.	12.510	35.752	12.496	27.091	31.505	0.100	1501.8	100.	0.001008	0.708
125.	12.419	35.738	12.402	27.097	31.514	0.125	1501.9	124.	0.001008	0.931
150.	12.350	35.729	12.330	27.104	31.522	0.150	1502.0	149.	0.001008	0.931
200.	12.214	35.741	12.188	27.109	31.532	0.201	1502.3	199.	0.001016	0.674
250.	11.685	35.632	11.653	27.157	31.592	0.251	1501.2	249.	0.000981	1.794
300.	11.467	35.606	11.428	27.178	31.620	0.300	1501.3	298.	0.000973	1.211
400.	11.270	35.594	11.220	27.205	31.654	0.397	1502.2	398.	0.000971	1.003
500.	11.102	35.608	11.039	27.248	31.702	0.493	1503.3	497.	0.000953	1.208
600.	11.199	35.749	11.122	27.339	31.794	0.585	1505.4	596.	0.000892	1.706
700.	11.505	35.949	11.413	27.437	31.887	0.671	1508.4	696.	0.000829	1.740
800.	11.568	36.037	11.462	27.494	31.944	0.752	1510.3	795.	0.000801	1.354
900.	11.438	36.091	11.319	27.561	32.016	0.830	1511.6	894.	0.000762	1.493
1000.	11.161	36.128	11.031	27.641	32.104	0.904	1512.3	993.	0.000705	1.665
1100.	10.944	36.144	10.802	27.693	32.163	0.974	1513.2	1092.	0.000676	1.362
1200.	10.716	36.145	10.562	27.736	32.213	1.040	1514.0	1191.	0.000655	1.256
1300.	9.972	36.025	9.811	27.775	32.268	1.104	1512.9	1290.	0.000623	1.375
1400.	8.926	35.636	8.763	27.803	32.319	1.164	1510.4	1389.	0.000590	1.366
1500.	7.552	35.597	7.391	27.829	32.376	1.220	1506.6	1488.	0.000544	1.499
1600.	6.097	35.338	5.942	27.827	32.408	1.273	1502.2	1587.	0.000513	1.282
1700.	5.334	35.215	5.178	27.827	32.427	1.323	1500.6	1685.	0.000498	0.993
1800.	4.733	35.131	4.575	27.831	32.445	1.372	1499.7	1784.	0.000482	0.909
1900.	4.289	35.072	4.127	27.834	32.459	1.420	1499.5	1883.	0.000469	0.880
2000.	3.953	35.034	3.786	27.839	32.475	1.466	1499.7	1981.	0.000458	0.877
2200.	3.537	35.001	3.357	27.855	32.504	1.556	1501.2	2178.	0.000440	0.804
2400.	3.263	34.978	3.068	27.864	32.521	1.643	1503.4	2375.	0.000433	0.657

DISCOVERY 81 STATION 9380

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.388	35.720	12.387	27.089	31.503	0.010	1499.9	10.	0.000984	-9.990
20.	12.394	35.721	12.392	27.089	31.503	0.020	1500.1	20.	0.000988	0.0
30.	12.398	35.722	12.394	27.089	31.503	0.030	1500.2	30.	0.000991	0.0
50.	12.401	35.722	12.394	27.089	31.504	0.049	1500.6	50.	0.000996	0.0
75.	12.399	35.722	12.389	27.089	31.505	0.074	1501.0	75.	0.001003	0.345
100.	12.393	35.720	12.380	27.089	31.505	0.100	1501.4	100.	0.001009	0.0
125.	12.386	35.719	12.369	27.089	31.507	0.125	1501.7	124.	0.001016	0.0
150.	12.352	35.712	12.332	27.091	31.510	0.150	1502.0	149.	0.001021	0.497
200.	11.815	35.643	11.789	27.141	31.572	0.200	1500.9	199.	0.000984	1.835
250.	11.563	35.606	11.530	27.160	31.598	0.249	1500.8	249.	0.000978	1.155
300.	11.353	35.580	11.315	27.180	31.623	0.298	1500.8	298.	0.000971	1.181
400.	11.140	35.561	11.090	27.204	31.656	0.395	1501.7	398.	0.000971	0.961
500.	10.914	35.559	10.851	27.244	31.701	0.492	1502.5	497.	0.000955	1.180
600.	10.792	35.596	10.717	27.295	31.757	0.586	1503.8	596.	0.000930	1.314
700.	10.791	35.720	10.704	27.392	31.855	0.675	1505.6	696.	0.000862	1.766
800.	10.751	35.843	10.650	27.495	31.961	0.758	1507.2	795.	0.000788	1.829
900.	10.866	35.981	10.751	27.581	32.047	0.834	1509.4	894.	0.000733	1.651
1000.	10.522	35.971	10.397	27.636	32.111	0.905	1509.8	993.	0.000698	1.417
1100.	10.332	35.992	10.195	27.686	32.167	0.974	1510.8	1092.	0.000670	1.344
1200.	9.684	35.920	9.539	27.742	32.239	1.039	1510.0	1191.	0.000626	1.521
1300.	8.156	35.659	8.012	27.786	32.317	1.099	1505.7	1290.	0.000565	1.662
1400.	7.114	35.468	6.970	27.791	32.346	1.154	1503.1	1389.	0.000549	1.087
1500.	6.352	35.339	6.205	27.795	32.368	1.208	1501.5	1488.	0.000537	0.982
1600.	5.534	35.209	5.386	27.797	32.391	1.262	1499.8	1586.	0.000520	1.037
1700.	5.311	35.200	5.155	27.817	32.417	1.312	1500.5	1685.	0.000505	0.987
1800.	4.873	35.139	4.713	27.821	32.432	1.362	1500.3	1784.	0.000496	0.882
1900.	4.192	35.040	4.032	27.818	32.448	1.411	1499.0	1883.	0.000479	0.983
2000.	3.998	35.026	3.830	27.828	32.462	1.459	1499.9	1981.	0.000471	0.800

DISCOVERY 81 STATION 9384

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANUM	AVER-CY/HR
10.	12.403	35.744	12.401	27.105	31.518	0.010	1500.0	10.	0.000970	-9.990
20.	12.407	35.743	12.404	27.104	31.517	0.019	1500.1	20.	0.000973	-0.546
30.	12.407	35.742	12.403	27.103	31.517	0.029	1500.3	30.	0.000977	-0.546
50.	12.412	35.742	12.405	27.102	31.517	0.049	1500.6	50.	0.000984	0.0
75.	12.416	35.742	12.406	27.101	31.516	0.073	1501.1	75.	0.000991	0.0
100.	12.420	35.742	12.406	27.100	31.516	0.098	1501.5	100.	0.000998	0.0
125.	12.422	35.741	12.406	27.099	31.516	0.123	1501.9	124.	0.001006	-0.357
150.	12.423	35.741	12.403	27.099	31.516	0.149	1502.3	149.	0.001014	0.0
200.	12.138	35.689	12.112	27.114	31.539	0.200	1502.1	199.	0.001011	1.042
250.	11.777	35.631	11.745	27.139	31.573	0.250	1501.6	249.	0.001000	1.313
300.	11.512	35.594	11.473	27.160	31.600	0.299	1501.4	298.	0.000990	1.240
400.	11.247	35.574	11.196	27.195	31.644	0.398	1502.1	398.	0.000980	1.097
500.	11.151	35.605	11.088	27.236	31.688	0.495	1503.4	497.	0.000964	1.187
600.	10.769	35.614	10.695	27.313	31.775	0.589	1503.7	596.	0.000913	1.620
700.	10.831	35.732	10.743	27.393	31.856	0.678	1505.7	696.	0.000861	1.608
800.	10.988	35.880	10.886	27.480	31.942	0.761	1508.1	795.	0.000806	1.657
900.	10.854	35.947	10.740	27.557	32.023	0.839	1509.4	894.	0.000755	1.691
1000.	10.487	35.960	10.362	27.633	32.109	0.912	1509.7	993.	0.000700	1.637
1100.	9.766	35.872	9.634	27.691	32.184	0.980	1508.6	1092.	0.000653	1.553
1200.	8.966	35.767	8.828	27.743	32.254	1.043	1507.2	1191.	0.000608	1.524
1300.	8.303	35.682	8.158	27.782	32.309	1.102	1506.2	1290.	0.000574	1.364
1400.	6.956	35.443	6.814	27.794	32.352	1.158	1502.4	1389.	0.000542	1.308
1500.	5.761	35.245	5.621	27.797	32.384	1.210	1499.1	1488.	0.000515	1.211
1600.	5.082	35.143	4.939	27.800	32.403	1.261	1497.8	1586.	0.000501	0.965
1700.	4.805	35.116	4.656	27.810	32.423	1.311	1498.3	1685.	0.000492	0.850
1800.	4.470	35.074	4.316	27.815	32.436	1.360	1498.6	1784.	0.000485	0.805
1900.	4.115	35.035	3.956	27.823	32.454	1.408	1498.7	1883.	0.000471	0.893
2000.	3.836	35.009	3.665	27.832	32.471	1.454	1499.1	1981.	0.000458	0.882
2200.	3.526	34.993	3.347	27.851	32.499	1.544	1501.2	2178.	0.000444	0.761
2400.	3.265	34.979	3.070	27.865	32.521	1.632	1503.4	2375.	0.000432	0.714
2600.	3.020	34.962	2.810	27.874	32.538	1.717	1505.7	2572.	0.000422	0.666

DISCOVERY 81 STATION 9382

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	12.627	35.766	12.625	27.078	31.487	0.010	1500.7	10.	0.000995	-9.990
20.	12.629	35.767	12.627	27.078	31.487	0.020	1500.9	20.	0.000998	0.527
30.	12.623	35.765	12.619	27.078	31.488	0.030	1501.0	30.	0.001001	0.0
50.	12.548	35.750	12.541	27.081	31.493	0.050	1501.1	50.	0.001004	0.676
75.	12.530	35.745	12.520	27.081	31.494	0.075	1501.4	75.	0.001011	0.357
100.	12.505	35.739	12.492	27.081	31.496	0.100	1501.8	100.	0.001017	0.357
125.	12.362	35.711	12.345	27.088	31.505	0.126	1501.6	124.	0.001017	0.940
150.	12.311	35.715	12.291	27.101	31.521	0.151	1501.9	149.	0.001011	1.353
200.	11.721	35.612	11.695	27.134	31.568	0.201	1500.5	199.	0.000990	1.536
250.	11.478	35.585	11.447	27.160	31.600	0.251	1500.5	249.	0.000978	1.325
300.	11.307	35.569	11.269	27.180	31.624	0.299	1500.7	298.	0.000971	1.174
400.	11.199	35.578	11.148	27.206	31.656	0.397	1501.9	398.	0.000969	0.964
500.	11.134	35.620	11.071	27.251	31.704	0.493	1503.4	497.	0.000951	1.222
600.	11.137	35.713	11.061	27.322	31.777	0.586	1505.1	596.	0.000908	1.521
700.	11.177	35.831	11.087	27.407	31.863	0.673	1507.1	696.	0.000853	1.648
800.	11.174	35.918	11.071	27.475	31.934	0.757	1508.8	795.	0.000813	1.500
900.	11.189	36.038	11.072	27.566	32.026	0.835	1510.7	894.	0.000753	1.712
1000.	10.994	36.086	10.865	27.639	32.105	0.908	1511.7	993.	0.000703	1.586
1100.	10.732	36.099	10.592	27.698	32.171	0.976	1512.4	1092.	0.000668	1.447
1200.	10.459	36.114	10.307	27.759	32.239	1.041	1513.1	1191.	0.000628	1.486
1300.	9.132	35.864	8.980	27.791	32.301	1.102	1509.6	1290.	0.000587	1.472
1400.	7.593	35.568	7.444	27.800	32.344	1.159	1505.0	1389.	0.000555	1.340
1500.	5.817	35.249	5.676	27.793	32.378	1.213	1499.3	1488.	0.000521	1.307
1600.	5.100	35.143	4.957	27.798	32.402	1.264	1497.9	1586.	0.000503	1.016
1700.	4.652	35.093	4.504	27.810	32.426	1.313	1497.7	1685.	0.000486	0.999
1800.	4.273	35.049	4.121	27.817	32.443	1.361	1497.7	1784.	0.000475	0.893
1900.	4.015	35.025	3.857	27.825	32.458	1.408	1498.3	1883.	0.000464	0.811
2000.	3.815	35.008	3.650	27.833	32.472	1.454	1499.1	1981.	0.000457	0.770

DISCOVERY 81 STATION 9383

P-DB	T-DEGC	S-0/00	POTEMP	SIGMAT	SIG1000	DYNHT-M	SNDV-M/S	DEPTH-M	SVANOM	BVFR-CY/HR
10.	13.041	35.847	13.040	27.057	31.457	0.010	1502.2	10.	0.001015	-9.990
20.	13.046	35.847	13.043	27.056	31.456	0.020	1502.4	20.	0.001019	-0.546
30.	13.048	35.846	13.044	27.055	31.456	0.031	1502.6	30.	0.001023	-0.546
50.	13.036	35.843	13.029	27.055	31.457	0.051	1502.9	50.	0.001028	0.0
75.	12.988	35.831	12.977	27.056	31.460	0.077	1503.1	75.	0.001035	0.496
100.	12.986	35.830	12.972	27.055	31.460	0.103	1503.5	100.	0.001042	0.0
125.	12.972	35.827	12.955	27.056	31.461	0.129	1503.8	124.	0.001049	0.345
150.	12.914	35.816	12.893	27.059	31.466	0.155	1504.0	149.	0.001052	0.708
200.	12.600	35.774	12.573	27.089	31.505	0.207	1503.7	199.	0.001036	1.433
250.	12.223	35.711	12.189	27.115	31.540	0.259	1503.2	249.	0.001024	1.337
300.	11.784	35.643	11.744	27.147	31.582	0.309	1502.4	298.	0.001004	1.503
400.	11.421	35.612	11.370	27.191	31.636	0.409	1502.7	398.	0.000985	1.247
500.	11.210	35.633	11.146	27.247	31.699	0.506	1503.7	497.	0.000955	1.387
600.	11.105	35.693	11.028	27.314	31.770	0.600	1505.2	596.	0.000916	1.483
700.	11.461	35.916	11.370	27.420	31.870	0.689	1508.2	696.	0.000844	1.810
800.	11.571	36.050	11.465	27.503	31.953	0.770	1510.4	795.	0.000793	1.628
900.	11.421	36.102	11.302	27.572	32.028	0.847	1511.5	894.	0.000751	1.526
1000.	11.132	36.096	11.001	27.622	32.085	0.920	1512.2	993.	0.000723	1.351
1100.	10.824	36.083	10.683	27.668	32.140	0.991	1512.7	1092.	0.000697	1.316
1200.	10.455	36.080	10.304	27.732	32.213	1.059	1513.0	1191.	0.000652	1.539
1300.	9.175	35.842	9.022	27.767	32.276	1.122	1509.7	1290.	0.000611	1.478
1400.	7.646	35.555	7.496	27.781	32.324	1.181	1505.2	1389.	0.000574	1.390
1500.	6.736	35.418	6.585	27.805	32.370	1.237	1503.2	1488.	0.000540	1.327
1600.	6.094	35.314	5.940	27.809	32.390	1.290	1502.1	1587.	0.000529	0.960
1700.	4.968	35.152	4.817	27.821	32.428	1.341	1499.0	1685.	0.000489	1.353

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