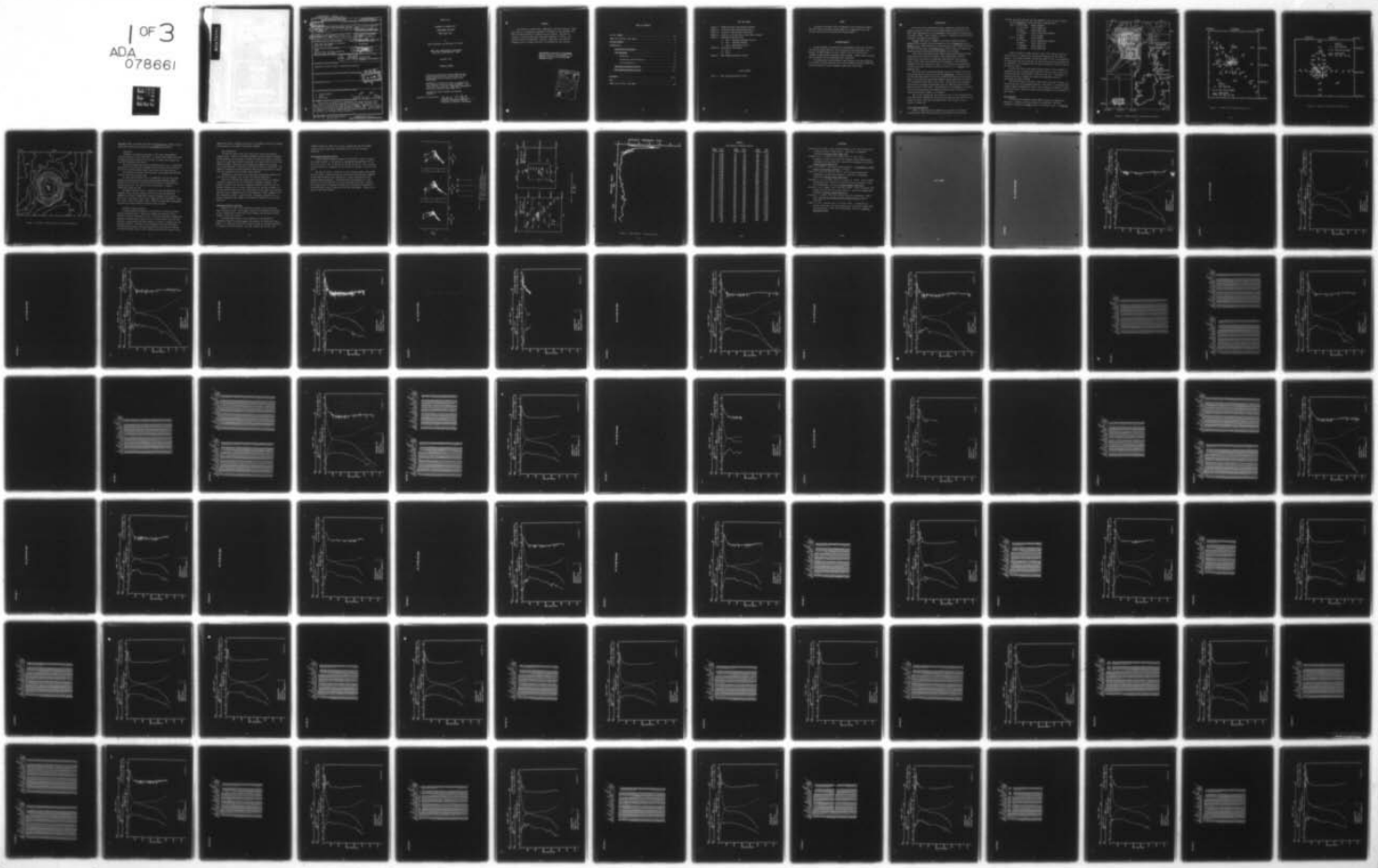
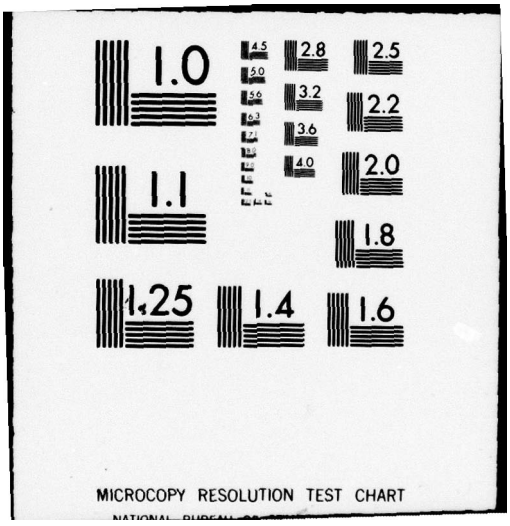
AD-A078 661 WOODS HOLE OCEANOGRAPHIC INSTITUTION MASS F/G 8/10
ATLANTIS-II (CRUISE 102) PRELIMINARY CTD DATA FROM JASIN 1978.(U)
DEC 79 N PENNINGTON , M G BRISCOE N00014-76-C-0197
UNCLASSIFIED WHOI-79-42 NL

1 OF 3
ADA
078661




1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6
6.3
7.1
8.0
9.0
MICROCOPY RESOLUTION TEST CHART

ADA078661

UNCLASSIFIED 12/79

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE

READ INSTRUCTIONS BEFORE COMPLETING FORM

1. REPORT NUMBER: WHOI-79-42
2. GOVT ACCESSION NO.
3. RECIPIENT'S CATALOG NUMBER

4. TITLE (and Subtitle): ATLANTIS-II (CRUISE 102) PRELIMINARY CTD DATA FROM JASIN 1978

5. TYPE OF REPORT & PERIOD COVERED: Technical rept.

6. PERFORMING ORG. REPORT NUMBER

7. AUTHOR(s): Nancy Pennington and Melbourne G. Briscoe

8. CONTRACT OR GRANT NUMBER(s): N00014-76-C-0197, NSF-OCE77-25803

9. PERFORMING ORGANIZATION NAME AND ADDRESS
Woods Hole Oceanographic Institution
Woods Hole, MA 02543

10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS: NR 083-400

11. CONTROLLING OFFICE NAME AND ADDRESS
NORDA
National Space Technical Laboratory
Bay St. Louis, MS 39529

12. REPORT DATE: Dec[illegible]79

13. NUMBER OF PAGES: 225

14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)

15. SECURITY CLASS. (of this report): Unclassified

15a. DECLASSIFICATION/DOWNGRADING SCHEDULE

16. DISTRIBUTION STATEMENT (of this Report)

Approved for public release; distribution unlimited.

17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)

DDC RECEIVED DEC 27 1979 E

18. SUPPLEMENTARY NOTES

19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

1. CTD Measurements
2. JASIN
3. Upper Ocean

DEG MIN 38 10 00 9W

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

102 profiles of conductivity, temperature, and depth (pressure) (CTD) were taken in the JASIN area northwest of Scotland in July-September 1978. These stations consisted of single and yo-yo profiles. The data set includes 14 stations taken near Anton Dohrn Seamount at 57°30'N, 11°W. Plotted profiles of temperature, salinity, sigma-theta, and buoyancy frequency, and a listing of the data, are included for most stations.

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE S/N 0102-014-6601 |

WHOI-79-42

ATLANTIS-II (CRUISE 102)

PRELIMINARY CTD DATA

FROM JASIN 1978

by

Nancy Pennington and Melbourne G. Briscoe

WOODS HOLE OCEANOGRAPHIC INSTITUTION
Woods Hole, Massachusetts 02543

December 1979

TECHNICAL REPORT

Prepared for the Office of Naval Research under Contract N00014-76-C-0197, NR 083-400, and for the National Science Foundation under Grant OCE77-25803.

Reproduction in whole or in part is permitted for any purpose of the United States Government. This report should be cited as: Woods Hole Oceanographic Institution Technical Report WHOI-79-42.

Approved for public release; distribution unlimited.

Approved for Distribution

Valentine Worthington, Chairman
Department of Physical Oceanography

ABSTRACT

102 profiles of conductivity, temperature, and depth (pressure) (CTD) were taken in the JASIN area northwest of Scotland in July-September 1978. These stations consisted of single and yo-yo profiles. The data set includes 14 stations taken near Anton Dohrn Seamount at 57°30'N, 11°W. Plotted profiles of temperature, salinity, sigma-theta, and buoyancy frequency, and a listing of the data, are included for most stations.

THIS DOCUMENT IS BEST QUALITY PRACTICABLE.
THE COPY FURNISHED TO DDC CONTAINED A
SIGNIFICANT NUMBER OF PAGES WHICH DO NOT
REPRODUCE LEGIBLY.

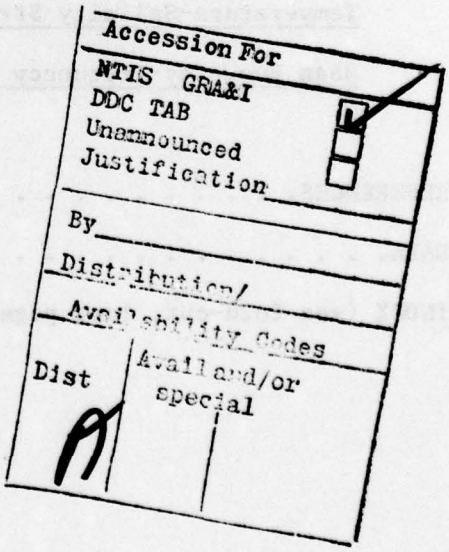


TABLE OF CONTENTS

LIST OF FIGURES iii

INDEX (see fold-out, last page) iv

ACKNOWLEDGEMENTS. iv

INTRODUCTION. v

Cruise Area and Stations. v

CTD Instrument. vi

Operations. xi

Calibration and Data Quality. xi

Data Presentation xii

Temperature-Salinity Structure. xiii

Mean Buoyancy-Frequency Profile xiii

REFERENCES. xviii

DATA. 1

INDEX (see fold-out, last page) 222

LIST OF FIGURES

Figure 1: JASIN area with 3 CTD regions displayed

Figure 2: Location of CTD stations during Leg 1

Figure 3: Location of CTD stations during Leg 2

Figure 4: Location of CTD stations at Anton Dohrn Seamount

Figure 5: Temperature-Salinity plots

a: Leg 1, Northwest-Southeast Section

b: Leg 2, West-East Section

c: Leg 2, North-South Section

Figure 6: Salinity on 10°C Surface

a: Leg 1

b: Leg 2

Figure 7: Mean Buoyancy-Frequency Profile

LIST OF TABLES

Table 1: Mean Buoyancy-Frequency Profile

INDEX

The Table of Contents lists all material in the introductory pages. See the fold-out last pages of the report for a compilation of all the stations and index to the plotted and listed profiles.

ACKNOWLEDGEMENTS

We are indebted to the Woods Hole Oceanographic Institution CTD Group for the CTD systems used here, but we especially thank Doug Moore, Eric D'Asaro, and Hank McComas for their efforts on the two cruises which resulted in making these preliminary data available. Others helped on board ship and ashore, and we acknowledge their assistance.

The acquisition and processing of these profiles have been supported by the Office of Naval Research under Contract N00014-76-C-0197, NR 083-400, and by the National Science Foundation under Grant OCE77-25803.

INTRODUCTION

The Joint Air-Sea Interaction Project (JASIN) was a multi-national program initiated in 1966 by the Royal Meteorological Society (U.K.); its major field experiment was in July-September 1978 northwest of Scotland near the Rockall Trough. Some 14 ships, 4 aircraft, 9 countries, and three-score principal investigators participated.

Pollard (1978) gives a summary of the overall JASIN 1978 plans, Briscoe (1979) describes the participation of the R/V Atlantis-II (A-II), Tarbell, et al. (1979) present the current meter and wind recorder data from the Woods Hole moorings, and Briscoe, et al. (1979) discuss the moored and shipborne surface meteorological measurements from the A-II.

A Neil Brown Instrument Systems (NBIS) Conductivity-Temperature-Depth (CTD) profiler was used on the A-II to obtain hydrographic profiles primarily for the purposes of water-mass identification (Are we near a front? Which side?) and calculation of the buoyancy, or Brunt-Väisälä, frequency; the latter quantity is basic to the internal wave observations that were the focus of much of the work of the A-II (c.f., Pollard, 1978; Briscoe, 1979).

This data report presents preliminary plots and listings of the 102 CTD stations made on cruise 102 of the R/V Atlantis-II. All but 14 of the stations were made within 75 km of the intensive mooring array (see below); those 14 were made over Anton Dohrn Seamount during transit to and from the port of Glasgow between legs of the cruise. The stations were calibrated and plotted on the A-II during passage from the JASIN area back to Woods Hole at the end of the cruise. The presentation is preliminary in the sense that the data editing has been minimal and the vertical resolution is coarse; calibrations, however, are complete.

Some of the stations are yo-yo profiles; that is, the CTD entered the water and several (maximum 30) down-and-up profiles were made before the CTD exited the water. Only the first down-trace of each station, yo-yo or normal, is shown here.

Cruise Area and Stations

Figure 1 shows the overall JASIN area, the detail in the Fixed Intensive Array (FIA) where the W.H.O.I. moorings W1, W2, and W3 were

located, and three CTD areas that are expanded in the next three figures.

The R/V Atlantis-II (cruise 102) ship operations were:

Leg 1:	25 July 1978	depart Glasgow
	27 July 1978	arrive JASIN area
	13 August	depart JASIN area
	14-15 August	work at Anton Dohrn Seamount
	16 August	arrive Glasgow
Leg 2:	21 August	depart Glasgow
	22-23 August	work at Anton Dohrn Seamount
	24 August	arrive JASIN area
	7 September	depart JASIN area
	21 September	arrive Woods Hole

Figure 2 (Figure 3) shows the Leg 1 (Leg 2) CTD stations except for the last (first) 7, which were at Anton Dohrn Seamount and are shown in Figure 4. For single stations, the position shown is that at the beginning of the profile; for yo-yo stations, the open circles show the beginning and end positions. All navigation was by Loran-C validated as often as possible by satellite fixes.

Several CTD sections were made, notably stations 14-24 (northwest to southeast) on Leg 1, stations 59-62 plus 74-79 (west to east) on Leg 2, and stations 81-84 plus 67-72 (south to north) also on Leg 2. The purpose of these sections was to examine the large-scale Temperature-Salinity variations; see Figure 5 below.

The fold-out table at the end of this report lists each stations, its time and position at the beginning and end of the profile, the maximum depth reached, number of down-ups if it was a yo-yo station, the number of rosette calibration bottles taken (see below), and any comments as to the purpose of that station.

CTD Instrument

The Neil Brown Instrument Systems (NBIS) conductivity-temperature-depth (i.e., pressure) profiler was used for these data. The basic instrument is described in Brown (1974), its technical details in Brown and

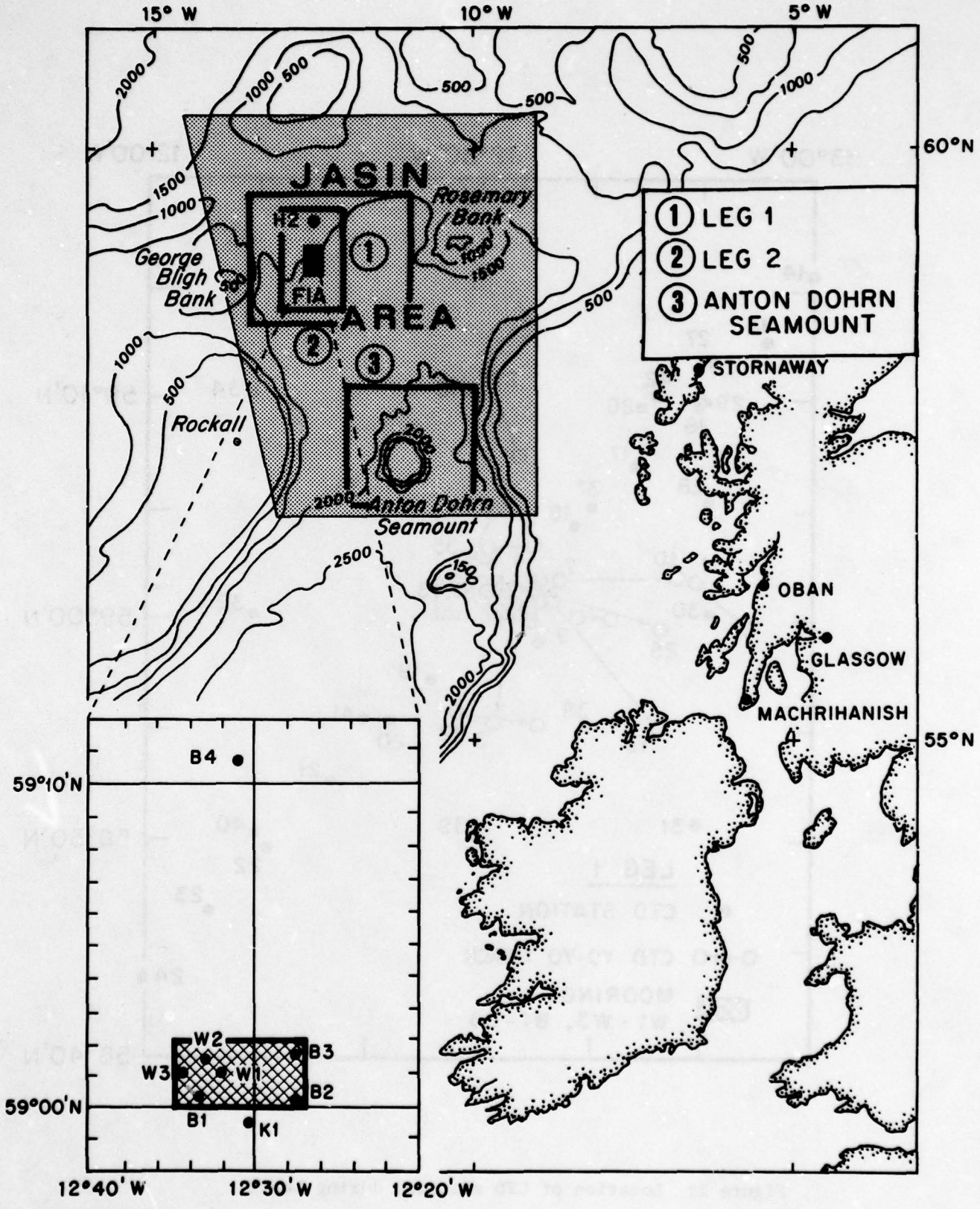


Figure 1: JASIN area with 3 CTD regions displayed.

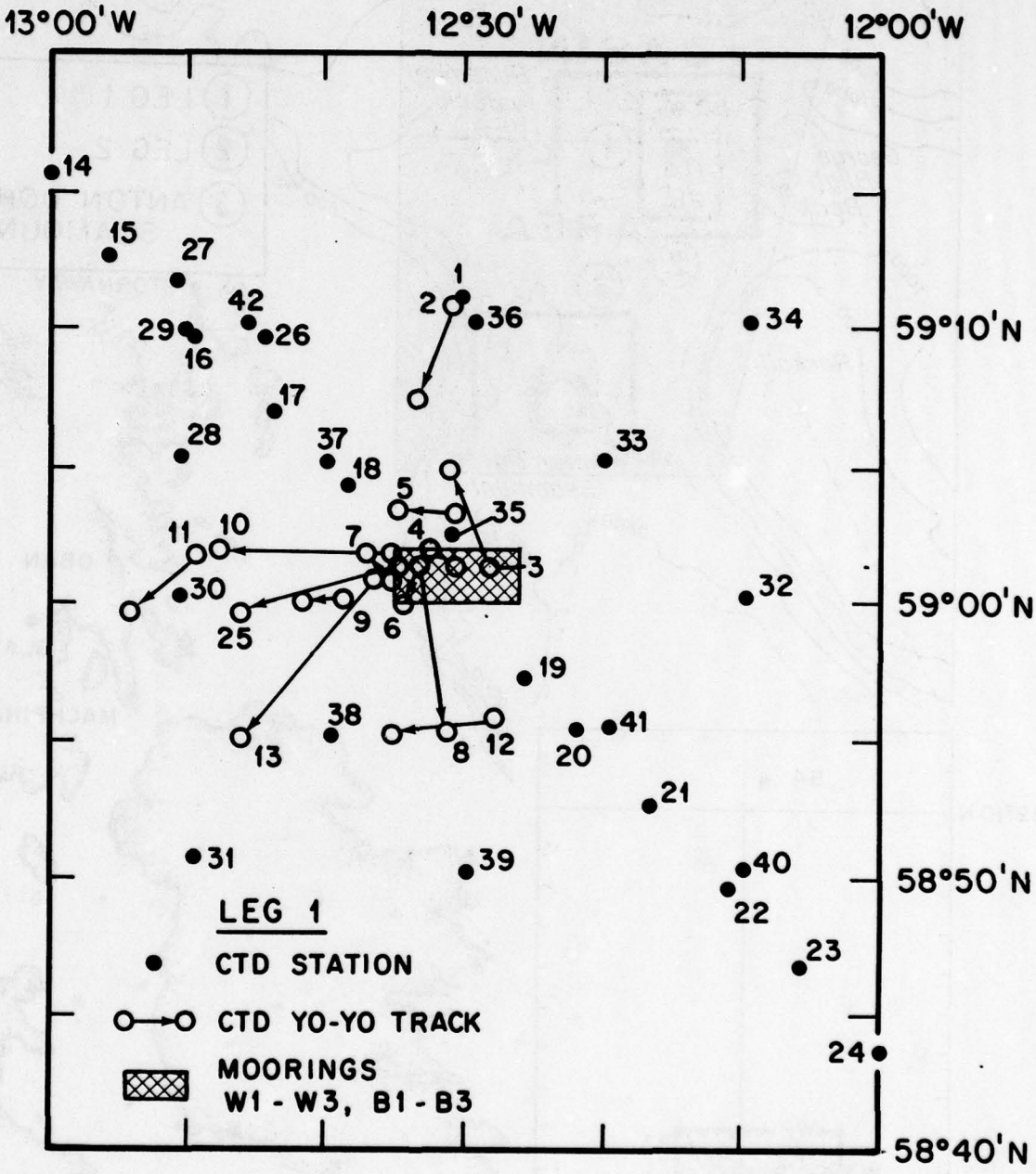


Figure 2: Location of CTD stations during Leg 1.

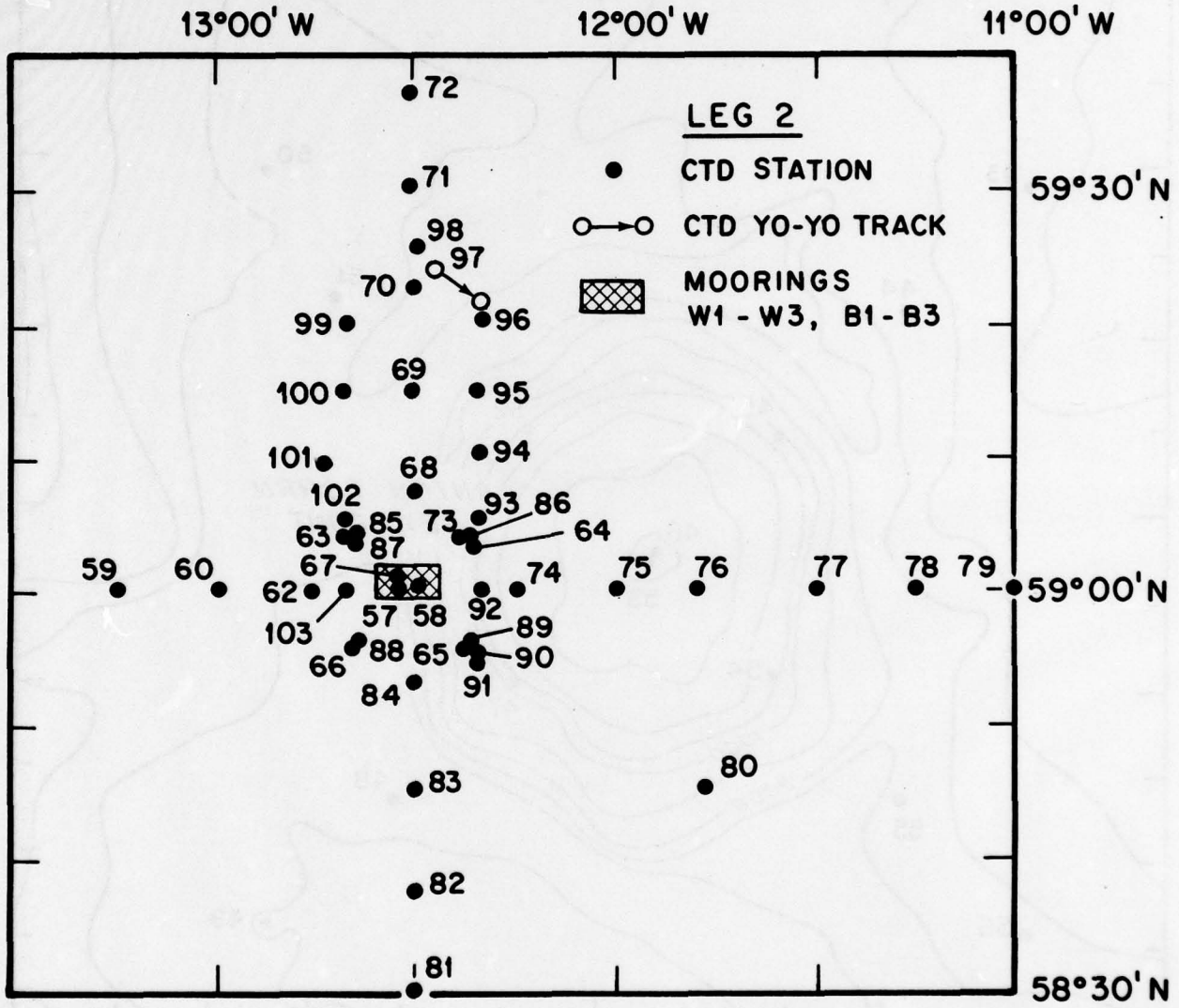


Figure 3: Location of CTD stations during Leg 2.

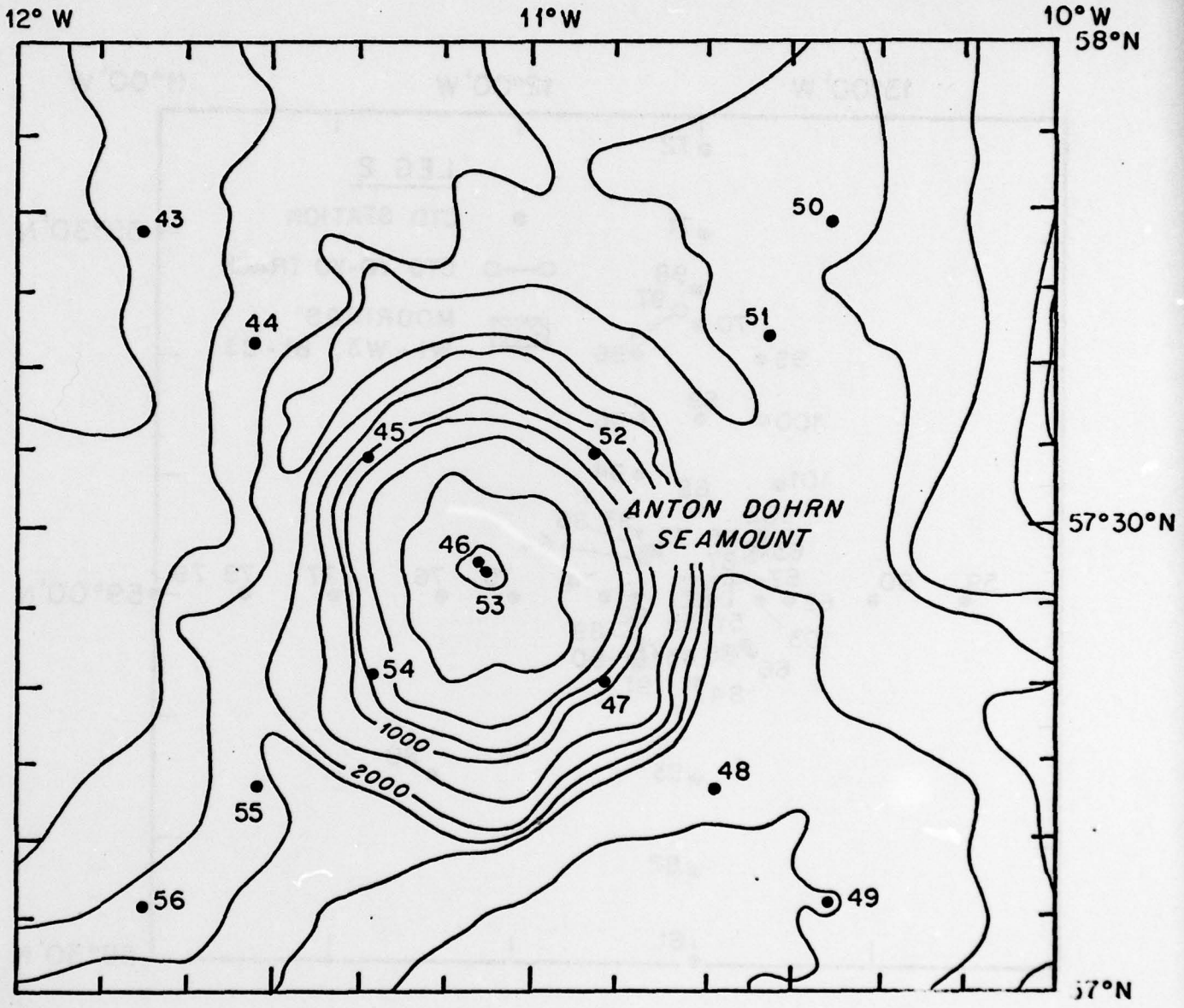


Figure 4: Location of CTD stations at Anton Dohrn Seamount.

Morrison (1978), the newest tape format in Millard, et al. (1978), and the basic data handling and calibration in Fofonoff, et al. (1974).

Operations

Although a few profiles were made to full depth (approximately 1500 m), most went to only 1000-1100 m. A rosette water sampler was fired at operator-selected depths on the up-trace to obtain water samples for salinity calibrations (see below).

The yo-yo stations were usually half-hourly casts (i.e., a down-trace was started every 30 minutes) although 10 and 15 minutes were also tried. On the yo-yo stations, water samples were taken on the last up-trace.

Two different CTD probes were available: serial numbers 001 and 003; only the latter was actually used.

On each station a monitor plot of temperature and salinity versus pressure was generated by the Hewlett-Packard 2100 shipboard computer system; also, a listing of various derived variables at coarse vertical spacing was printed. For these salinity calculations, a nominal conductivity value was used.

During the two-week transit to Woods Hole from the JASIN area, 7-21 September 1978, a display program edited the stations and generated temperature, salinity, sigma-theta, buoyancy frequency versus pressure plots, and a tape with listing of nine logged and derived variables. After the cruise, a Xerox Corporation Sigma 7 computer at Woods Hole Oceanographic Institution was used to decode and output these listings.

Calibration and Data Quality

A rosette sampler was mounted on the CTD with 11 bottles to obtain salinity calibration data. These water samples were analysed using a Guildline "Autosal" Salinometer at sea. The CTD stations were calibrated by changing the conductivity correction ratio for each profile until the CTD values as a group matched the water samples as closely as possible for each individual station. A summary of the histogram of salinity differences (= salinity from rosette - salinity from CTD) for about half the stations (433 bottles) shows a mean of zero (0.001‰ resolution); 83 percent of the

samples were within ±0.003‰, 67 percent of the samples were within ±0.002‰, and 96 percent of the samples fell within ±0.006‰.

Data Presentation

The profiles shown in the data section were traced from original computer plots. There is an inherent smoothing in this procedure, although the draftsperson was instructed to follow the traces as closely as possible except for single-point glitches which were to be ignored and the line drawn smoothly through. Many-point data problems were simply left as blanks (e.g., near 800 dbars in station 50, and several places in station 68). The numerical listings were edited separately from the plotted profiles; values were only removed from the listings, never inserted.

Consequently, there may not be one-to-one correspondence between the plots and the listings in the vicinity of suspected bad points.

Some of the stations were deeper and/or plotted/listed to a greater resolution, especially for the calculation of buoyancy frequency. For example, stations 9 and 10 have a completely different resolution for the buoyancy frequency plot; the small fluctuations are spurious artifacts of the calculation scheme and of the effectiveness of the simple lag-correction technique used to compensate for the slow temperature sensor compared to the fast conductivity sensor. Negative values of buoyancy frequency are, in general, meaningless and signify a calculated but probably not real density inversion.

Temperature-Salinity Structure

Figures 5a, b, and c show temperature plotted versus salinity for three selected sections: the diagonal stations from northwest-to-southeast in Leg 1 (Figure 5a), and the west-to-east (Figure 5b) and north-to-south (Figure 5c) sections in Leg 2.

The significant feature is the appearance of two branches for temperatures above 9°C, which suggests the presence of two distinct water masses. To illustrate this further, Figure 6 plots the spatial distribution of salinity on the 10°C surface. For Leg 1 (Figure 6a) the 32.25 and

35.30‰ contours are shown, but for Leg 2 (Figure 6b) only the 35.30‰ contour is shown because the station density is too low to be more definitive.

Mean Buoyancy-Frequency Profile

A mean buoyancy-frequency [denoted N(z)] profile is given in Figure 7 and listed in Table 1. The profile is calculated from stations 9, 18, 19, 35, 63, 64, 65, 67, 68, 73, 85, 86, 87, 88, 89, 90, and 92. All are within 15 km of the W.H.O.I. moorings; the first four are from Leg 1, the rest from Leg 2.

The data for these 17 stations, as listed in this report, were merged and then edited: negative points and points differing from their neighbors by more than 80 percent were replaced by a linear interpolation of the squared buoyancy frequency. The edited profile was smoothed to 5 dbar intervals in the top 200 dbar and 15 dbar intervals below that. Finally, five bottom values of buoyancy frequency from station 62 were patched on below 1368 dbar to give a profile to 1495 dbar (full depth). There are 119 points in the final profile.

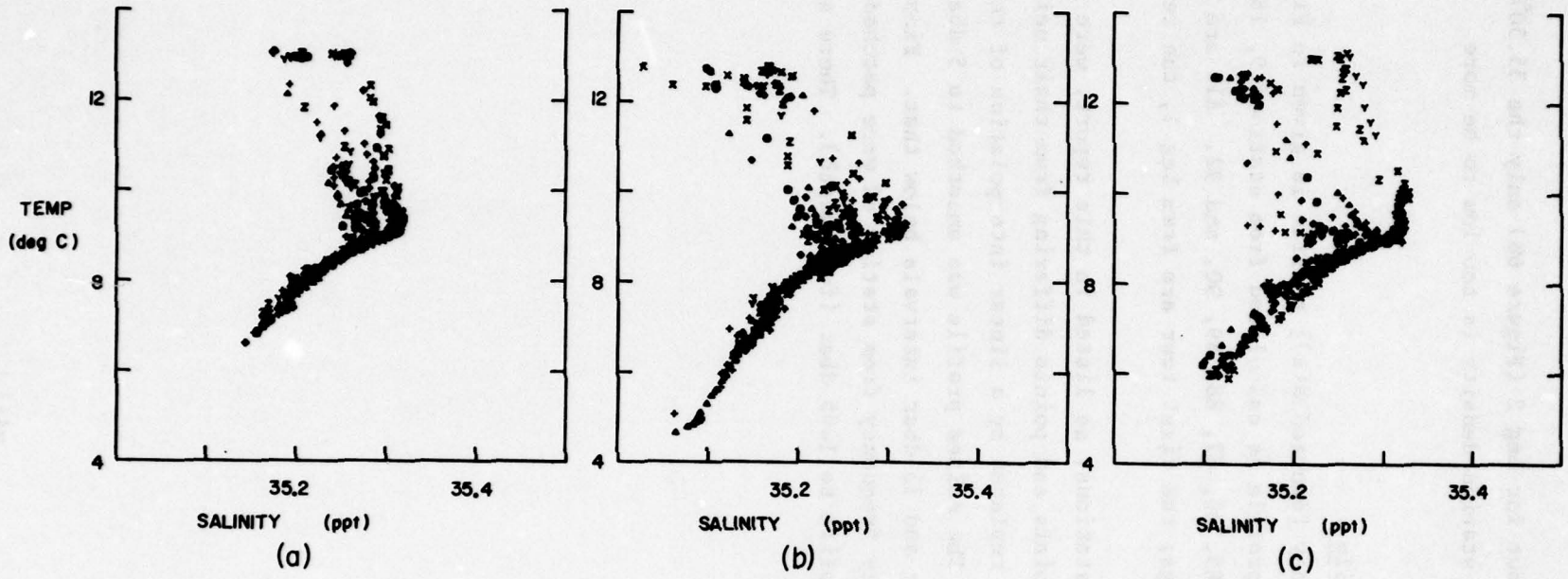


	Fig a STATION	Fig b STATION	Fig c STATION
●	20	73	72
▲	19	62	71
◆	18	60	70
✖	22	92	68
◆	21	67	67
◆	37	80	85
✖	23	76	83
✖	29	79	82
▼	27	78	81
✖	24	77	

Figure 5: Temperature - Salinity Plots:
(a) Leg 1, Northwest-Southeast Section;
(b) Leg 2, West-East Section;
(c) Leg 2, North-South Section.

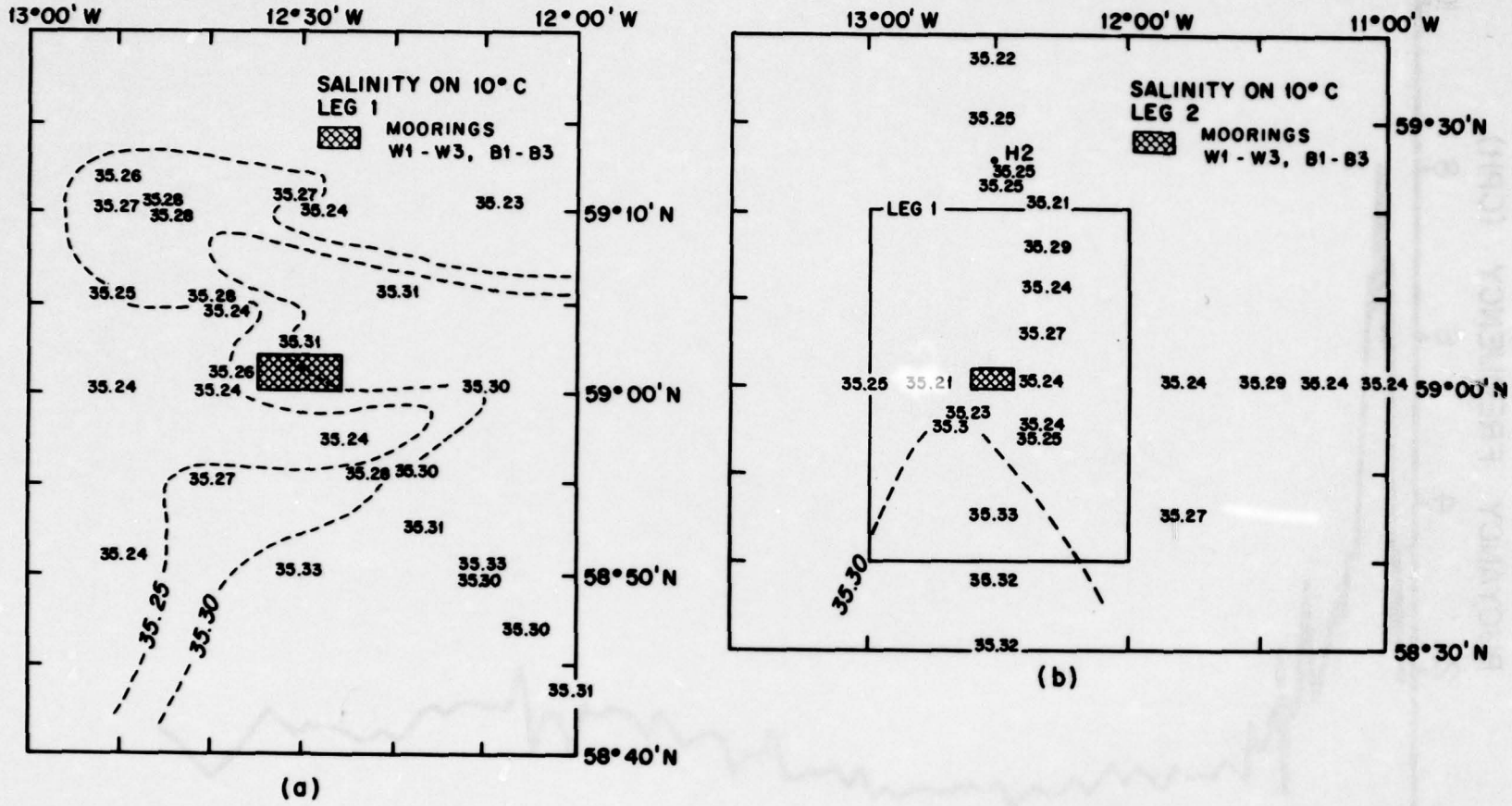


Figure 6: Salinity on 10°C Surface:
(a) Leg 1;
(b) Leg 2.

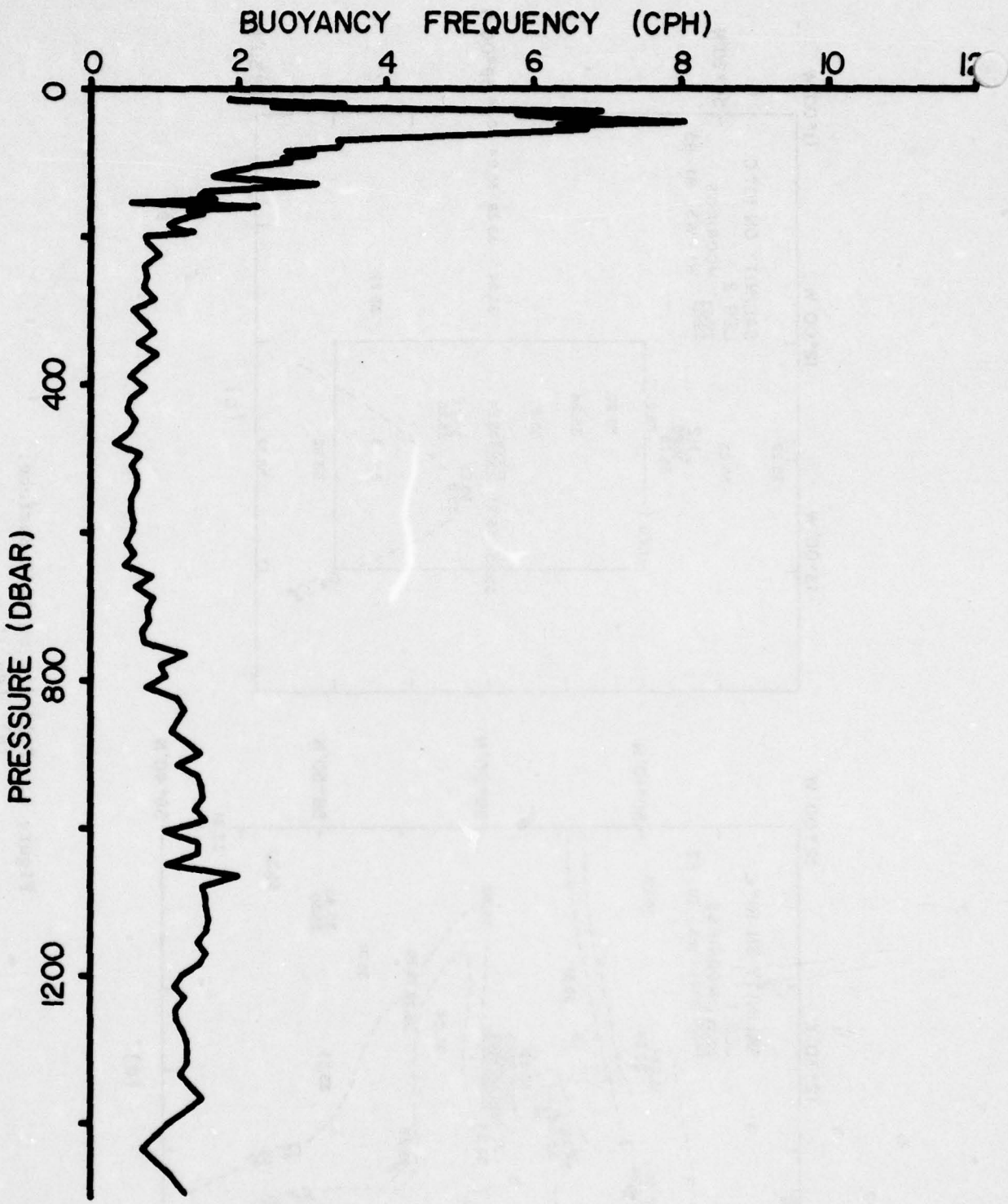


Figure 7: Mean Buoyancy - Frequency Profile.

Table 1

Mean Buoyancy Frequency Profile

Depth (dbar)	N(z) (cph)	Depth (dbar)	N(z) (cph)	Depth (dbar)	N(z) (cph)
15	1.884	240	.721	840	1.284
20	3.443	255	.772	855	1.178
25	2.448	270	.713	870	1.099
30	6.927	285	.875	885	1.322
35	5.762	300	.561	900	1.504
40	6.524	315	.733	915	1.176
45	8.059	330	.865	930	1.460
50	6.325	345	.645	945	1.508
55	6.726	360	.898	960	1.532
60	5.756	375	.690	975	1.413
65	4.589	390	.526	990	1.572
70	3.334	405	.745	1005	1.004
75	3.400	420	.538	1020	1.467
80	3.357	435	.494	1035	1.462
85	2.639	450	.611	1050	1.030
90	3.027	465	.528	1065	2.012
95	2.583	480	.318	1080	1.516
100	2.710	495	.685	1095	1.566
105	2.254	510	.551	1110	1.574
110	2.030	525	.631	1125	1.611
115	1.788	540	.623	1140	1.577
120	1.652	555	.548	1155	1.459
125	2.371	570	.547	1170	1.573
130	3.072	585	.591	1185	1.479
135	2.324	600	.559	1200	1.239
140	1.534	615	.482	1215	1.142
145	1.474	630	.596	1230	1.288
150	1.691	645	.458	1245	1.165
155	.537	660	.842	1260	1.163
160	2.271	675	.610	1275	1.257
165	1.321	690	.859	1290	1.313
170	1.533	705	.764	1305	1.325
175	1.277	720	.801	1320	1.314
180	1.138	735	.694	1335	1.218
185	1.051	750	.741	1367	1.525
190	1.141	765	1.289	1401	1.053
195	1.404	780	.949	1435	.695
200	.736	795	1.022	1469	1.073
210	.774	810	.753	1495	1.291
225	.942	825	1.181		

REFERENCES

Briscoe, M. G. (1979). Cruise report, Atlantis-II 102 [The Joint Air-Sea Interaction Project (JASIN 1978)] . Woods Hole Oceanographic Institution Technical Report WHOI-79-64.

Briscoe, M. G., C. A. Mills, R. E. Payne, and K. R. Peal (1979). Atlantis-II (Cruise 102) moored and shipborne surface meteorological measurements during JASIN 1978. Woods Hole Oceanographic Institution Technical Report WHOI-79-43.

Brown, N. L. (1974). A precision CTD microprofiler. Proceedings of I.E.E.E. Ocean '74 Conference, Halifax, 2, 270-278.

Brown, N. L. and G. K. Morrison (1978). W.H.O.I./Brown Conductivity, Temperature, and Depth Microprofiler. Woods Hole Oceanographic Institution Technical Report WHOI-78-23.

Fofonoff, N. P., S. P. Hayes, and R. C. Millard, Jr. (1974). W.H.O.I./Brown CTD microprofiler: Methods of calibration and data handling. Woods Hole Oceanographic Institution Technical Report WHOI-74-89.

Millard, R. C., A. Blumer, and N. Galbraith (1978). W.H.O.I./A Digital Tape Format for Woods Hole Institution CTD Data. Woods Hole Oceanographic Institution Technical Report WHOI-78-43.

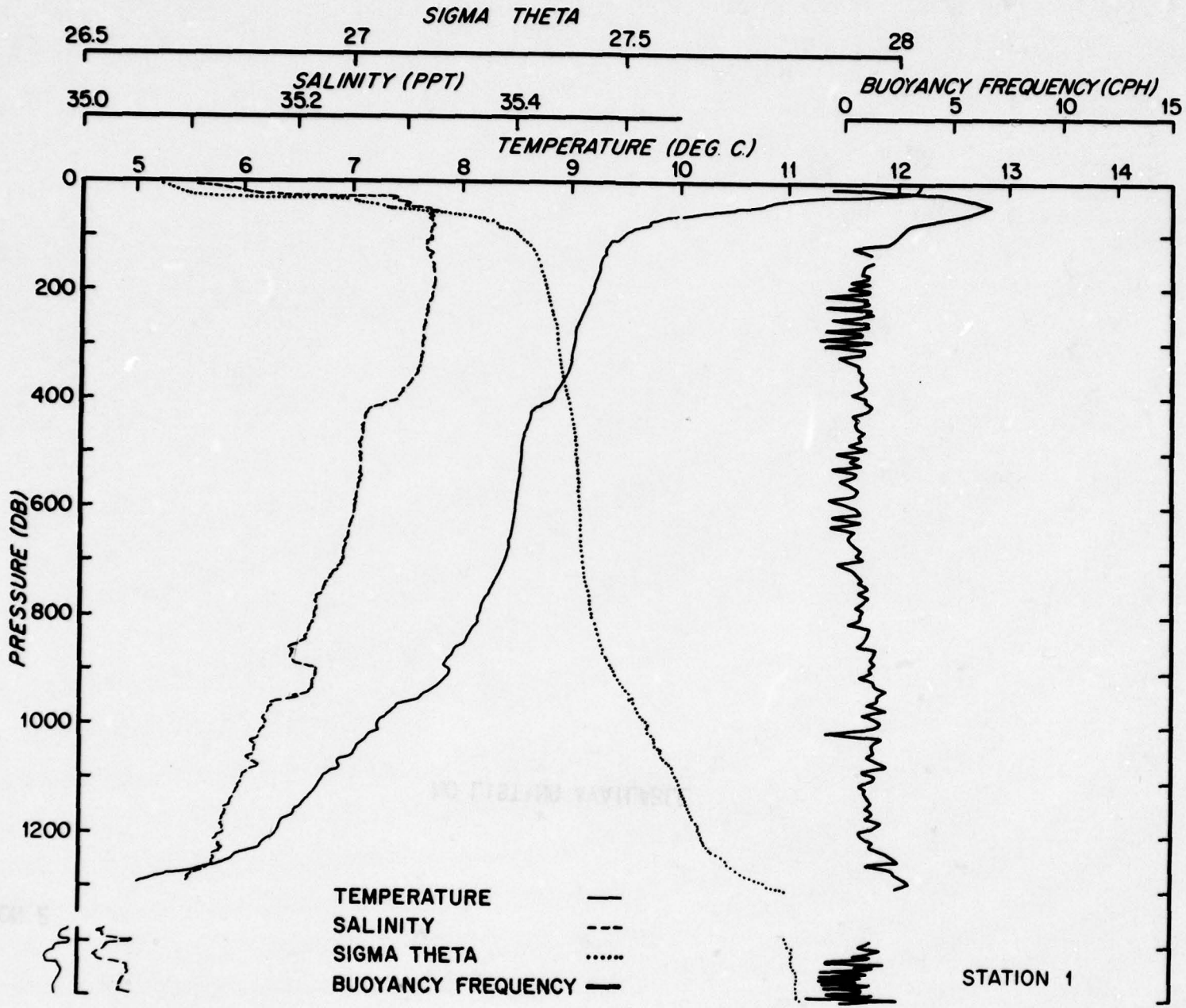
Pollard, R. T. (1978). The Joint Air-Sea Interaction Experiment - JASIN 1978. Bulletin of the American Meteorological Society, 59(10), 1310-1318.

Tarbell, S., M. G. Briscoe, and R. A. Weller (1979). A compilation of moored current meter and wind recorder data, Volume XVIII (JASIN 1978, Moorings 651-653). Woods Hole Oceanographic Institution Technical Report WHOI-79-65.

CTD DATA

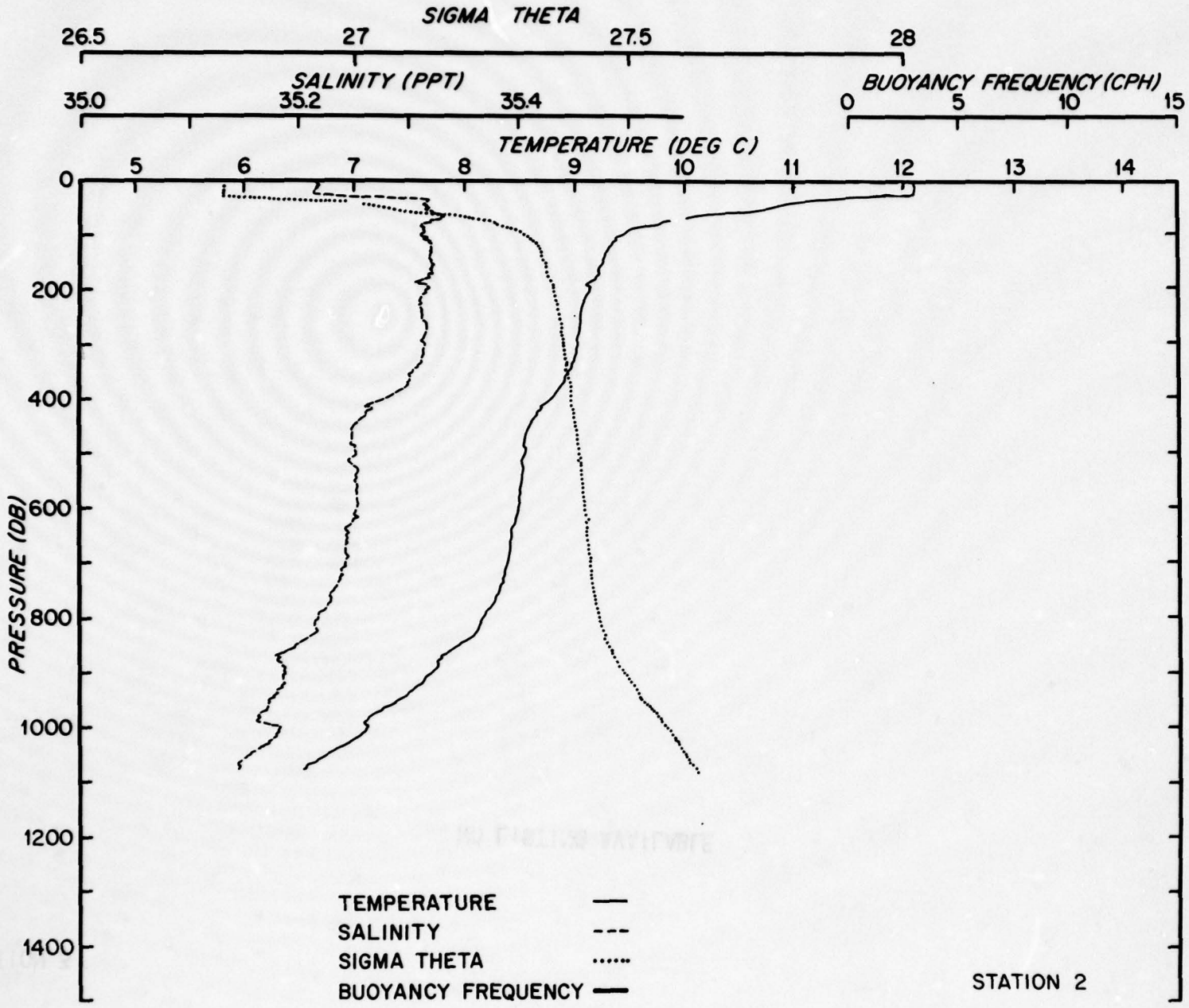
STATION 1

NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG. C.)
0
5
6
7
8
9
10
11
12
13
14
200
400
600
800
1000
1200
PRESSURE (DB)
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 1

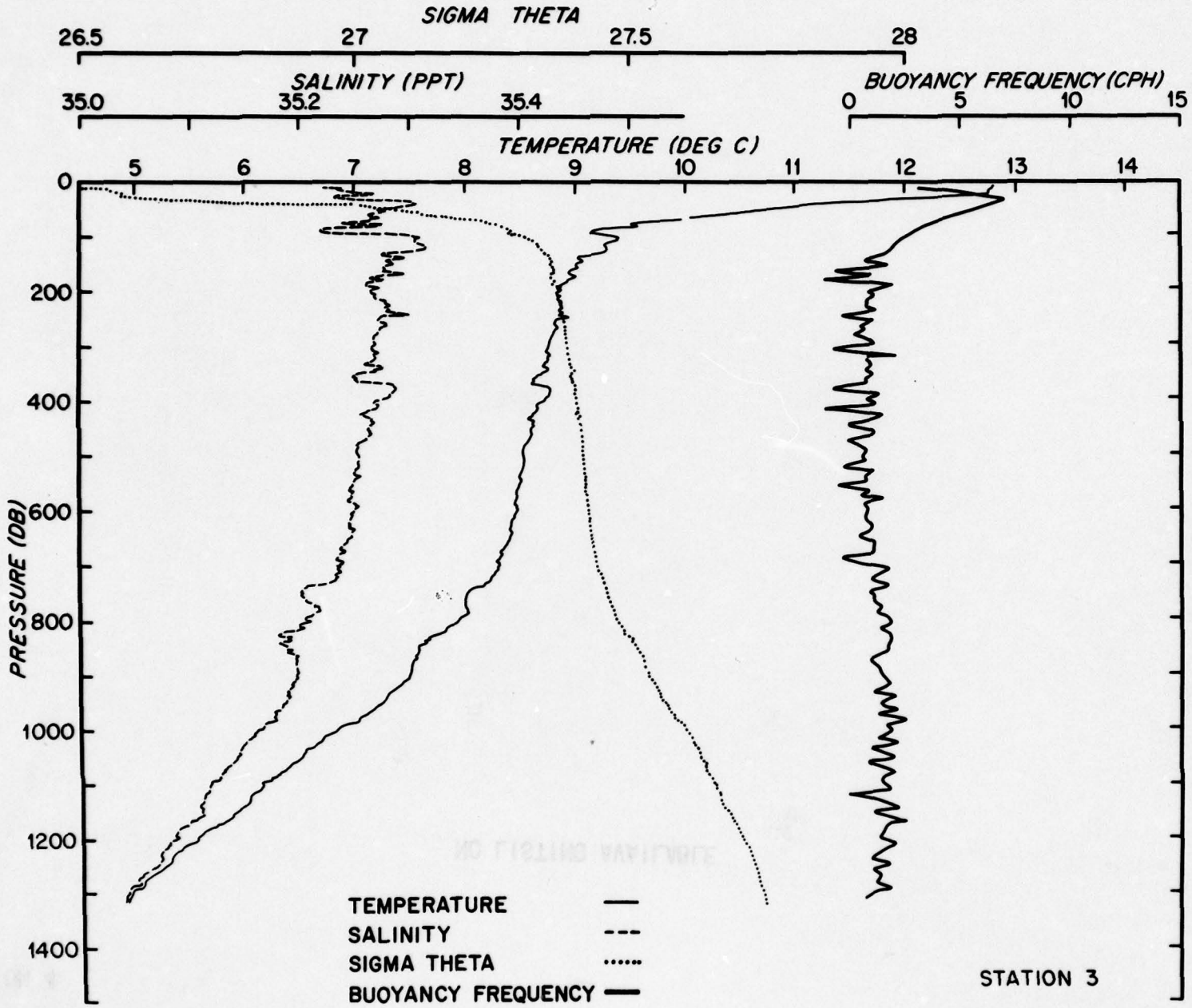
STATION 2

NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 2

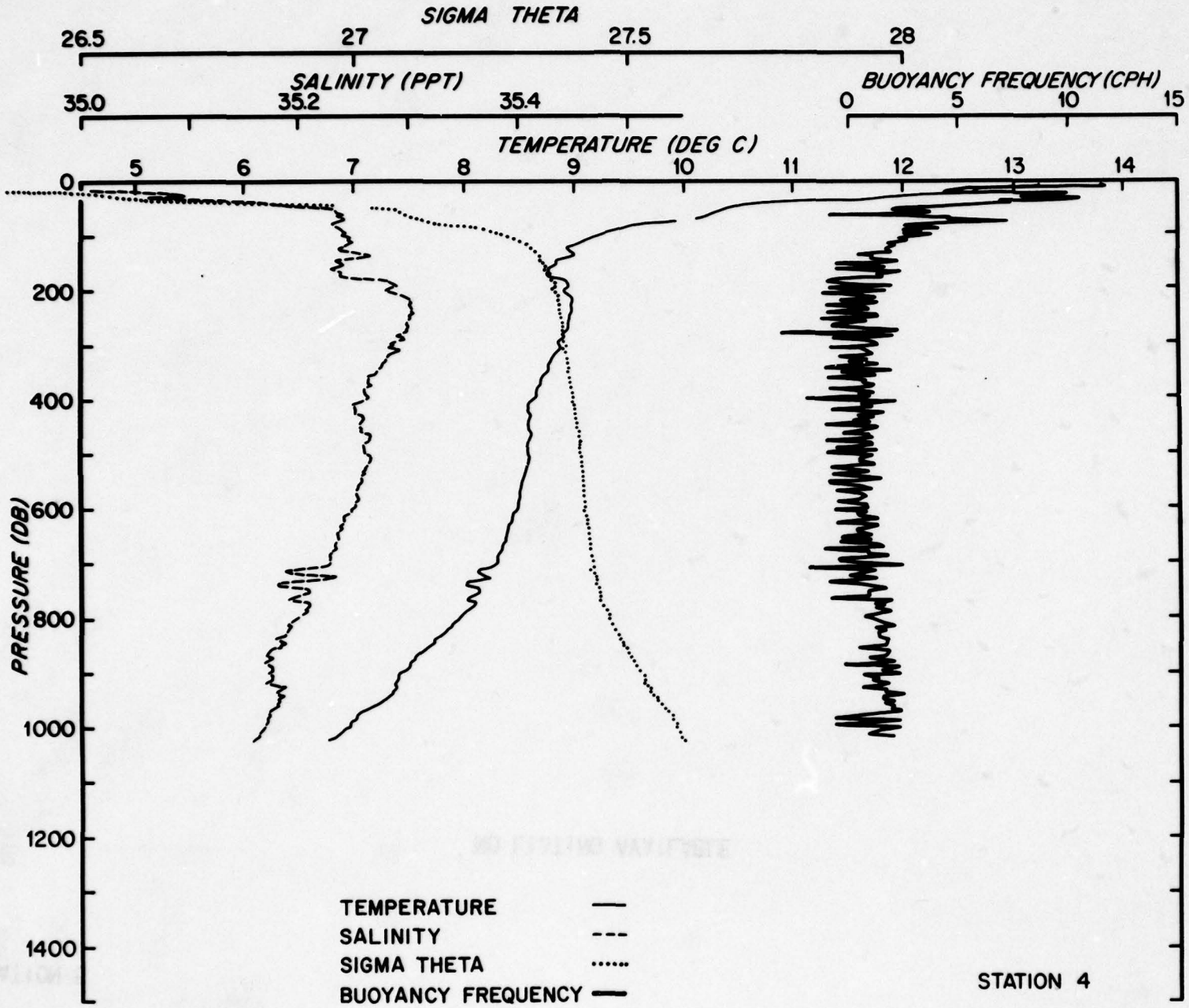
STATION 3

NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 3

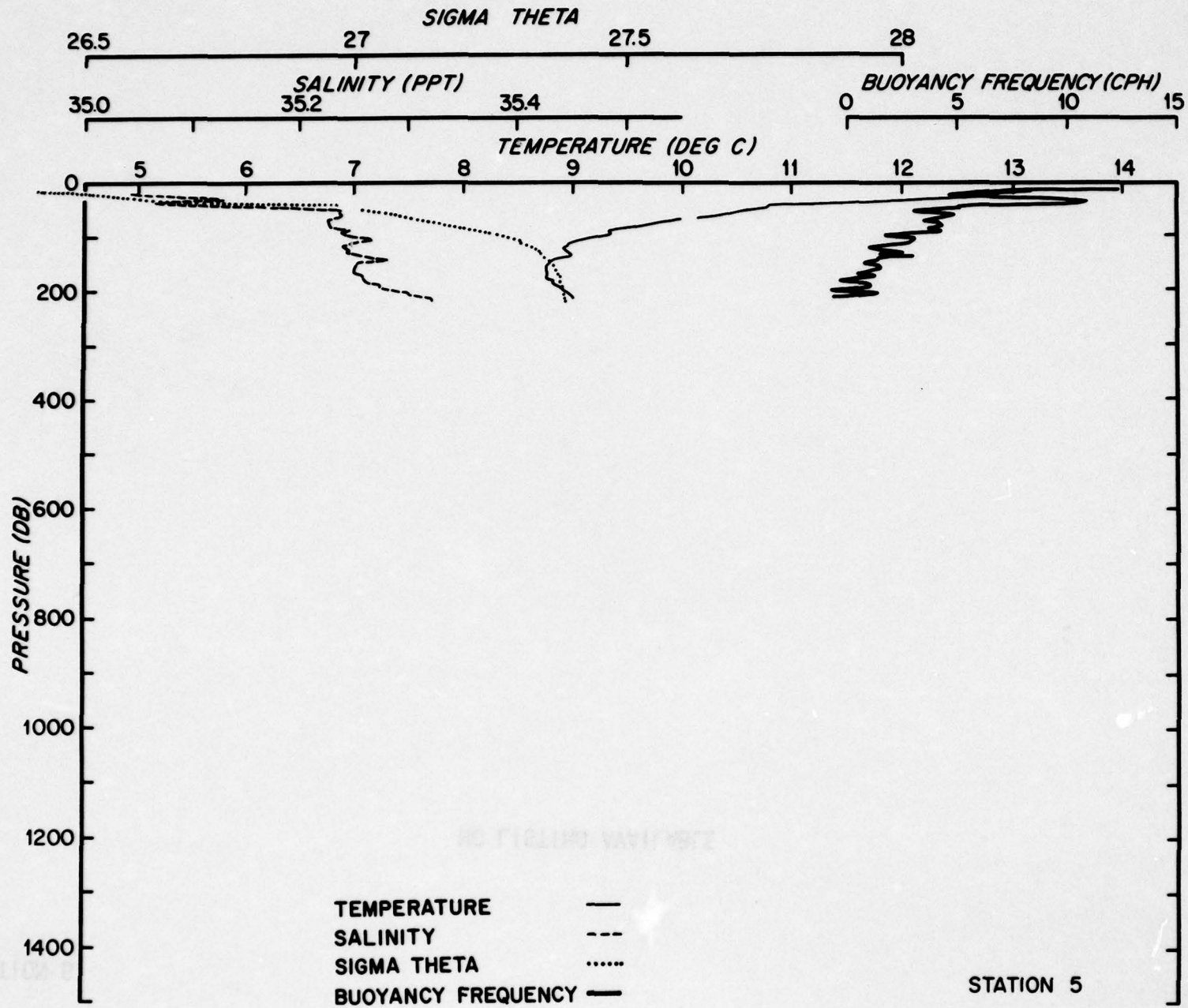
STATION 4

NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 4

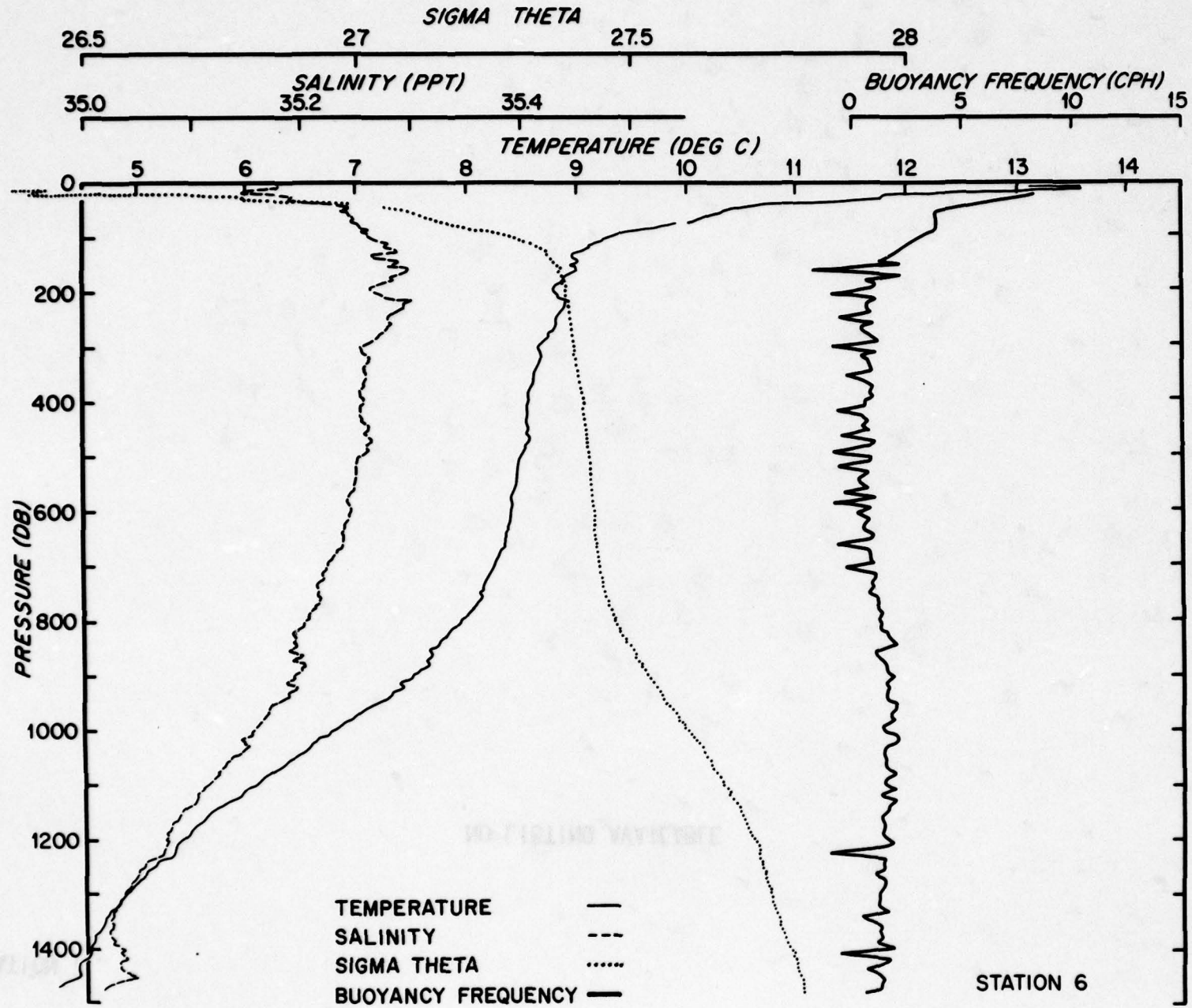
STATION 5

NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 5

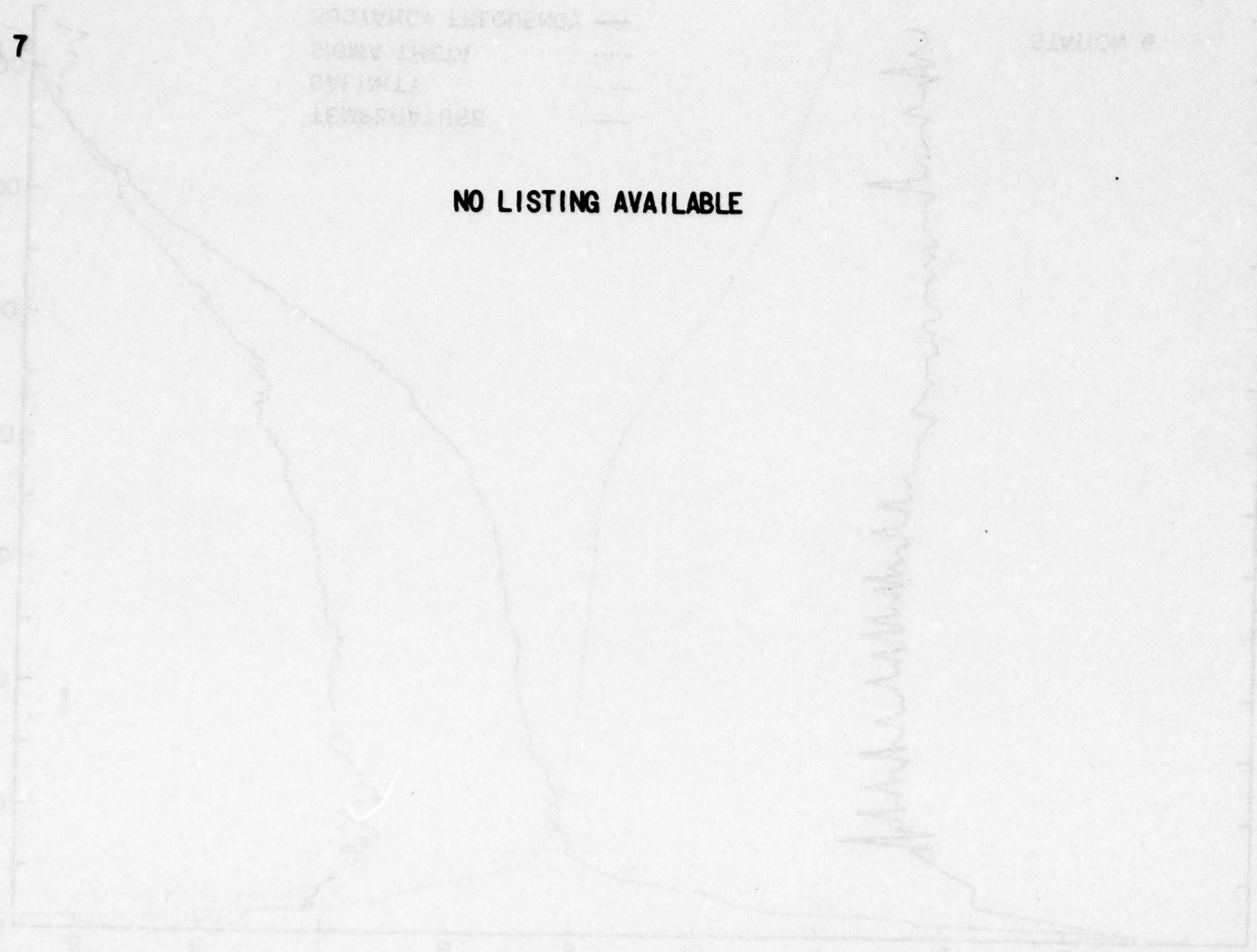
STATION 6

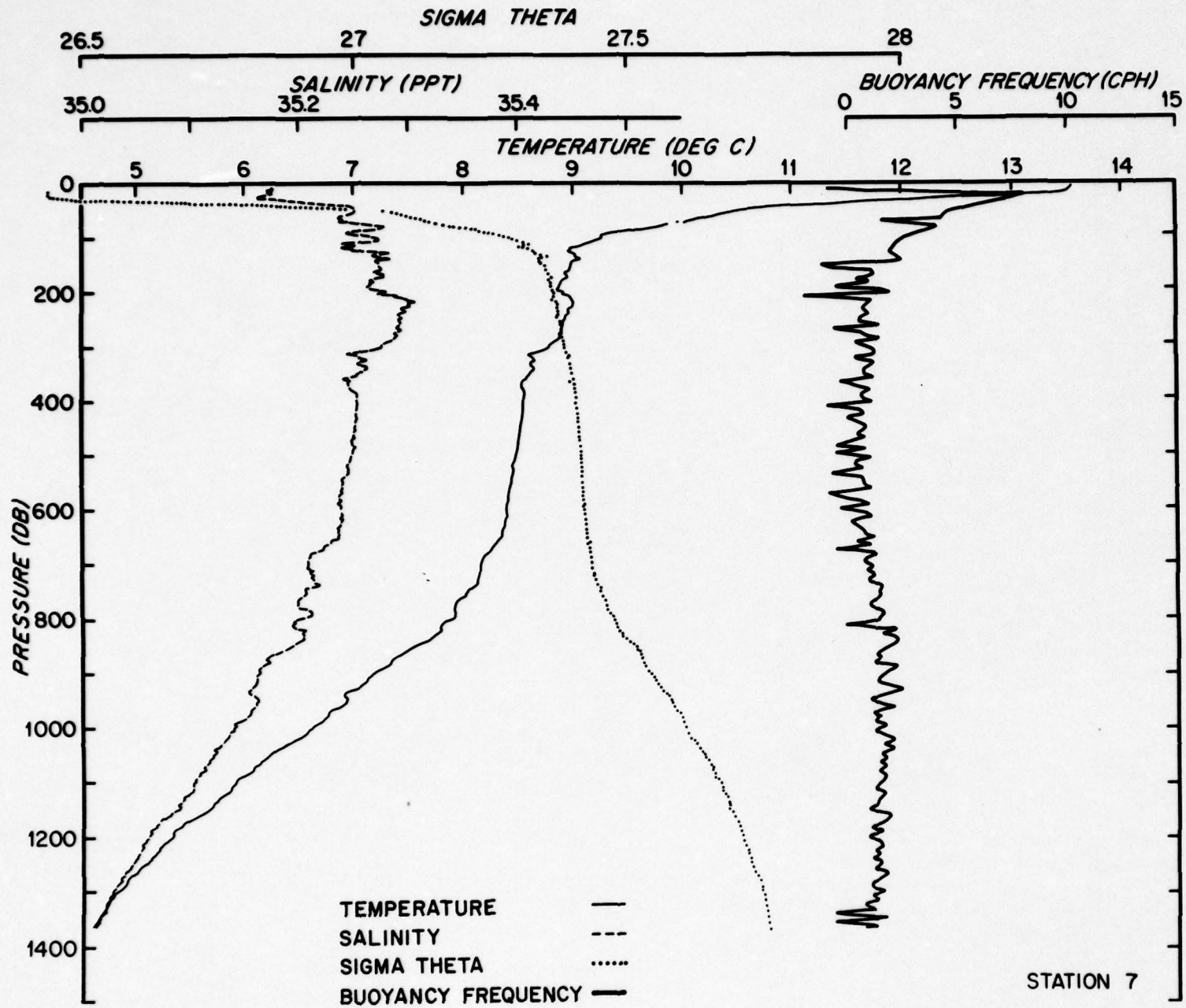
NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 6

STATION 7

NO LISTING AVAILABLE




SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
200
400
600
800
1000
1200
1400
PRESSURE (DB)
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 7

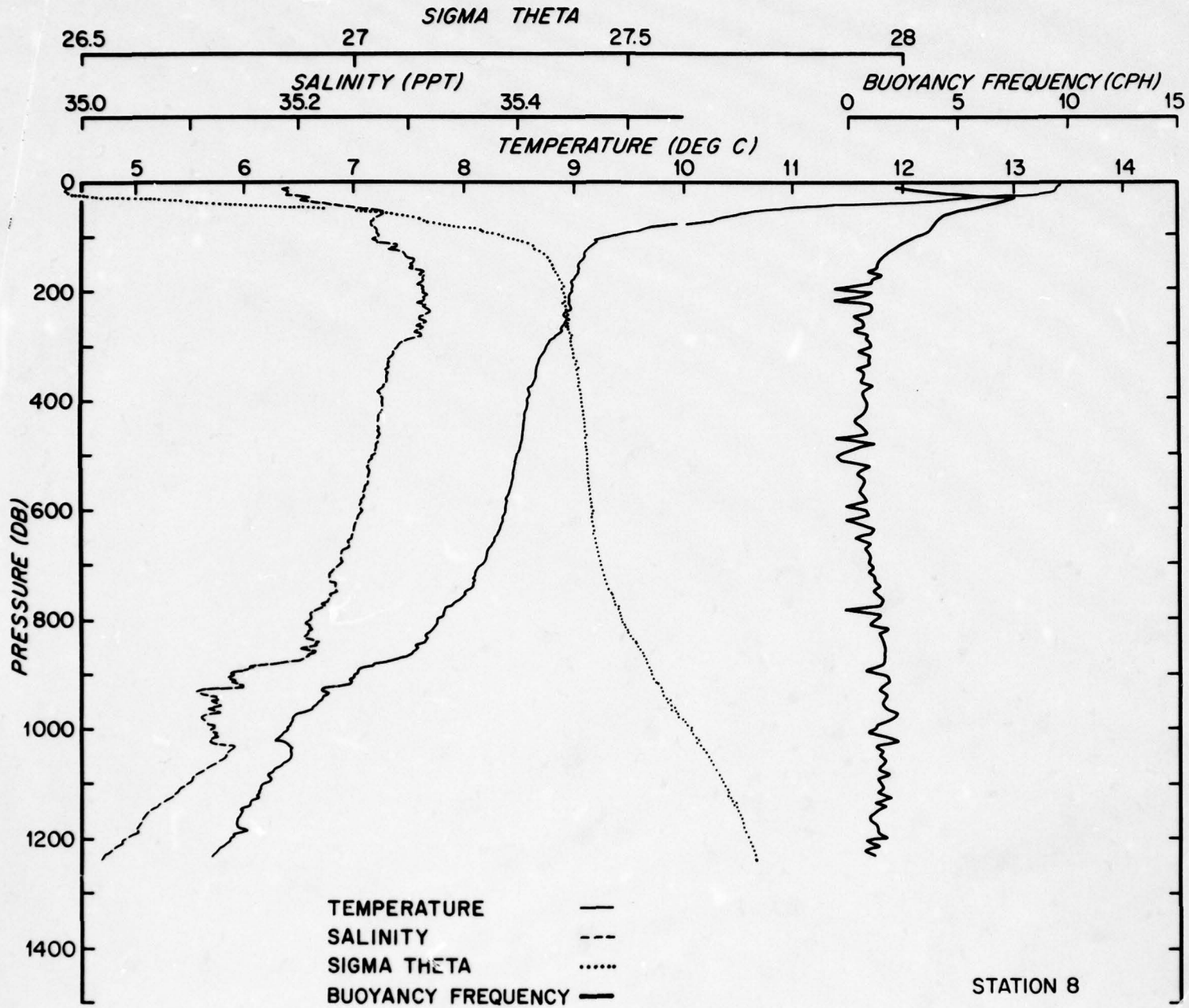
STATION 8

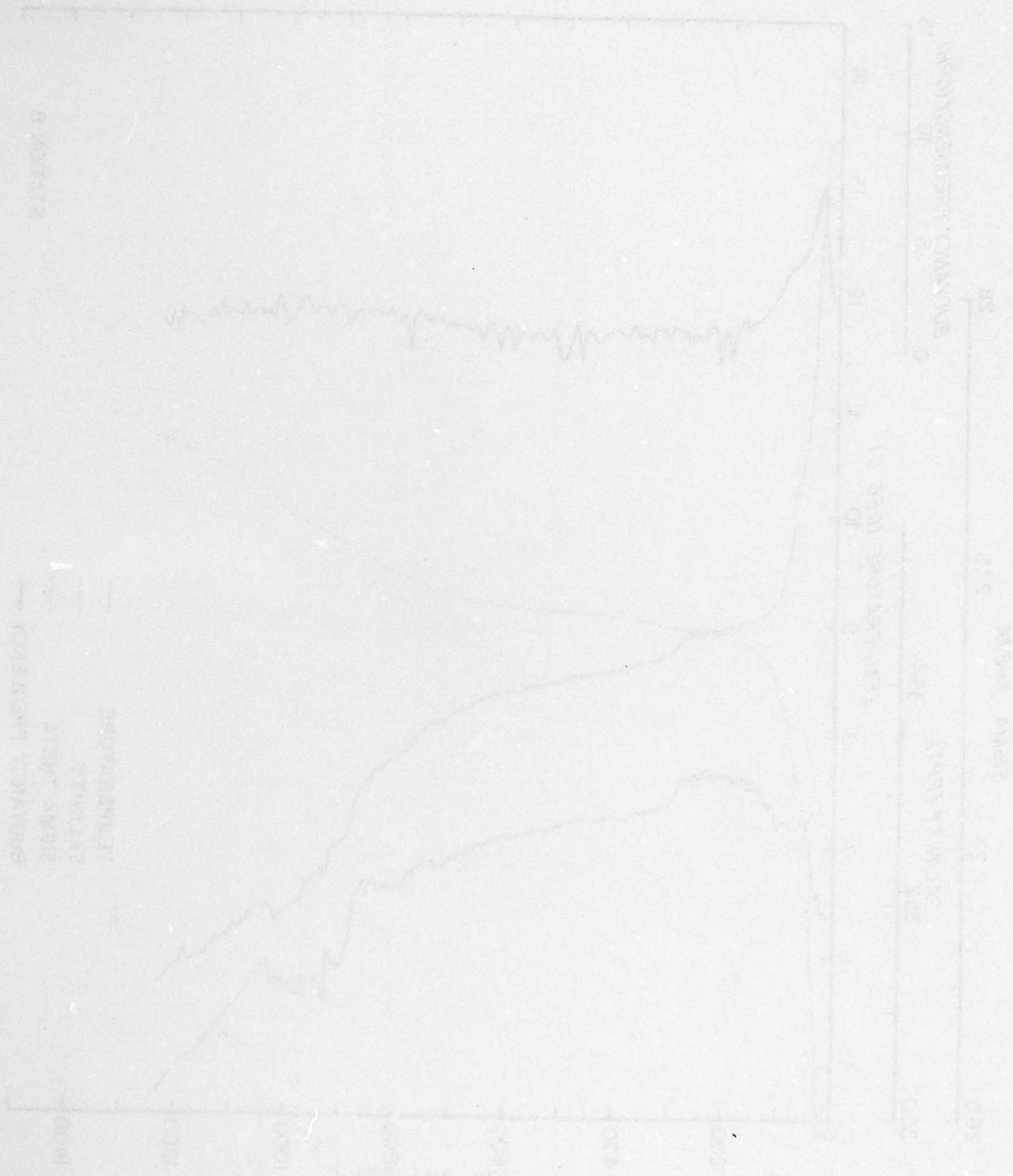
PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
829•9	7•6839	35•205	36•480	7•598	27•504	825•550	1•322
839•0	7•6784	35•215	36•485	7•592	27•510	834•450	1•514
847•2	7•6240	35•212	36•445	7•537	27•516	843•067	1•611
855•9	7•5935	35•215	36•414	7•506	27•523	851•550	1•692
863•7	7•5324	35•210	36•355	7•444	27•528	859•833	1•573
872•3	7•3874	35•189	36•205	7•294	27•532	868•000	1•650
880•7	7•2145	35•161	36•023	7•126	27•535	876•500	1•593
889•7	7•1065	35•147	35•914	7•018	27•540	885•217	1•524
898•1	7•0748	35•142	35•883	6•986	27•540	893•917	•704
906•8	7•0355	35•145	35•853	6•946	27•548	902•483	1•769
915•9	7•0289	35•156	35•861	6•938	27•558	911•350	1•862
924•1	6•7555	35•109	35•570	6•666	27•558	920•000	1•625
932•7	6•7894	35•122	35•616	6•699	27•564	928•400	1•355
940•9	6•7686	35•128	35•606	6•677	27•571	936•783	1•744
949•5	6•7281	35•124	35•573	6•636	27•578	945•217	1•612
958•4	6•6656	35•124	35•515	6•573	27•582	953•983	1•501
966•5	6•6744	35•135	35•537	6•581	27•590	962•450	1•710
975•0	6•5000	35•116	35•363	6•407	27•599	970•733	2•196
984•1	6•4880	35•126	35•364	6•394	27•608	979•567	1•797
992•6	6•4575	35•125	35•339	6•363	27•611	988•350	1•241
1000•5	6•4279	35•123	35•313	6•333	27•614	996•550	1•169
1008•9	6•3811	35•116	35•267	6•286	27•614	1004•70	•801
1016•9	6•3521	35•119	35•247	6•256	27•621	1012•87	1•710
1025•2	6•4165	35•149	35•337	6•319	27•636	1021•02	2•263
1033•9	6•3964	35•150	35•323	6•298	27•639	1029•52	1•164
1042•6	6•3460	35•143	35•279	6•247	27•645	1038•22	1•564
1050•9	6•3141	35•148	35•253	6•215	27•649	1046•75	1•358
1059•8	6•2446	35•144	35•189	6•145	27•655	1055•38	1•664
1067•7	6•1826	35•138	35•130	6•083	27•658	1063•78	1•453
1076•0	6•1115	35•129	35•061	6•011	27•661	1071•85	1•304
1084•3	6•0436	35•127	35•001	5•943	27•668	1080•15	1•857
1092•6	6•0285	35•130	34•992	5•927	27•672	1088•48	1•267
1101•2	5•9507	35•122	34•918	5•849	27•676	1096•90	1•469
1109•6	5•9055	35•121	34•880	5•804	27•681	1105•38	1•605
1118•7	5•8560	35•117	34•835	5•754	27•684	1114•13	1•258
1127•6	5•7825	35•117	34•771	5•680	27•693	1123•13	1•979
1135•0	5•7290	35•110	34•719	5•626	27•695	1131•30	1•126
1143•2	5•6615	35•107	34•658	5•558	27•700	1139•12	1•637
1151•5	5•6249	35•105	34•627	5•521	27•704	1147•35	1•291
1159•4	5•5880	35•101	34•593	5•484	27•705	1155•45	•954
1168•5	5•5596	35•099	34•569	5•455	27•707	1163•95	1•022
1176•9	5•5294	35•098	34•545	5•424	27•710	1172•67	1•284
1184•6	5•5290	35•104	34•553	5•423	27•715	1180•75	1•377
1193•4	5•4505	35•096	34•478	5•344	27•718	1189•00	1•417
1201•1	5•3895	35•094	34•424	5•283	27•724	1197•23	1•806
1209•5	5•3772	35•090	34•412	5•270	27•722	1205•32	••738
1218•3	5•3025	35•083	34•343	5•195	27•726	1213•92	1•518
1226•6	5•2432	35•079	34•289	5•136	27•730	1222•45	1•475
1234•9	5•2200	35•074	34•268	5•112	27•730	1230•73	•638

STATION 8

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
5.4	14.8514						
8.7	13.4234	35.188	41.574	13.422	26.469		
17.9	13.3740	35.192	41.534	13.371	26.482	13.283	2.142
48.7	10.8694	35.276	39.211	10.863	27.032	33.283	7.525
78.1	9.9031	35.270	38.295	9.894	27.198	63.400	4.236
108.5	9.2016	35.278	37.650	9.190	27.322	93.300	3.620
139.1	9.1173	35.308	37.613	9.102	27.359	123.767	1.984
146.9	9.0621	35.303	37.560	9.046	27.364	143.000	1.485
154.6	9.0517	35.306	37.556	9.035	27.368	150.750	1.306
162.0	9.0654	35.315	37.581	9.048	27.373	158.300	1.358
169.6	9.0409	35.311	37.558	9.022	27.374	165.800	.873
176.9	9.0194	35.314	37.543	9.000	27.380	173.250	1.552
184.0	8.9945	35.312	37.521	8.974	27.382	180.483	1.079
192.1	9.0054	35.317	37.540	8.984	27.384	188.067	.985
199.8	8.9960	35.314	37.532	8.974	27.383	195.933	-.624
207.3	8.9855	35.315	37.526	8.963	27.386	203.533	1.097
214.8	8.9839	35.316	37.529	8.960	27.387	211.033	.749
223.0	8.9709	35.312	37.517	8.947	27.386	218.883	-.636
231.8	8.9956	35.321	37.553	8.970	27.389	227.400	1.075
239.3	8.9514	35.315	37.509	8.925	27.391	235.550	1.100
246.2	8.9200	35.311	37.478	8.893	27.393	242.767	.946
253.8	8.9496	35.317	37.515	8.922	27.393	250.000	.257
261.5	8.9384	35.316	37.507	8.910	27.394	257.633	.705
269.4	8.8980	35.309	37.466	8.869	27.395	265.450	.666
278.2	8.8704	35.303	37.438	8.840	27.395	273.783	.244
286.0	8.8369	35.298	37.408	8.808	27.397	282.083	.897
293.1	8.7993	35.292	37.367	8.768	27.398	289.567	.767
300.4	8.7736	35.289	37.343	8.741	27.400	296.767	1.040
307.9	8.7541	35.288	37.327	8.721	27.402	304.167	1.035
315.6	8.7330	35.284	37.307	8.699	27.402	311.767	.423
324.0	8.7106	35.283	37.288	8.676	27.405	319.817	1.017
331.9	8.7000	35.283	37.282	8.664	27.406	327.967	.893
339.3	8.6864	35.282	37.272	8.650	27.408	335.583	.980
347.8	8.6825	35.282	37.272	8.645	27.409	343.550	.391
355.8	8.6765	35.282	37.270	8.638	27.410	351.817	.693
363.3	8.6670	35.281	37.264	8.628	27.411	359.550	.677
371.2	8.6540	35.279	37.253	8.614	27.411	367.267	.524
379.6	8.6107	35.274	37.211	8.570	27.414	375.417	1.109
388.0	8.6235	35.278	37.231	8.582	27.415	383.783	.595
395.3	8.6090	35.276	37.218	8.567	27.415	391.633	.626
403.1	8.6115	35.278	37.226	8.568	27.416	399.217	.704
410.7	8.6045	35.278	37.223	8.560	27.418	406.900	.867
419.0	8.5820	35.275	37.203	8.537	27.419	414.833	.751
427.5	8.5715	35.274	37.196	8.526	27.420	423.267	.727
435.3	8.5708	35.275	37.199	8.524	27.421	431.417	.403

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
442.9	8.5705	35.275	37.202	8.523	27.421	439.083	.233
451.5	8.5673	35.275	37.203	8.519	27.421	447.167	.552
458.9	8.5580	35.274	37.197	8.509	27.422	455.183	.737
466.9	8.5554	35.276	37.200	8.505	27.424	462.917	.849
475.3	8.5455	35.272	37.191	8.494	27.423	471.117	-.608
483.4	8.5300	35.274	37.181	8.478	27.426	479.333	1.228
491.8	8.5249	35.273	37.179	8.472	27.426	487.583	.280
499.9	8.5186	35.271	37.175	8.465	27.426	495.867	-.248
508.1	8.4989	35.265	37.155	8.444	27.425	504.033	-.564
515.7	8.4955	35.264	37.154	8.440	27.424	511.933	-.319
523.9	8.4876	35.265	37.151	8.431	27.426	519.833	.910
532.0	8.4860	35.265	37.154	8.429	27.427	527.983	.493
541.0	8.4795	35.264	37.150	8.421	27.427	536.500	.321
548.7	8.4675	35.263	37.141	8.409	27.428	544.817	.705
556.6	8.4563	35.261	37.133	8.397	27.428	552.617	.603
564.9	8.4495	35.260	37.129	8.389	27.429	560.717	.459
572.4	8.4445	35.260	37.128	8.383	27.429	568.633	.557
580.8	8.4256	35.258	37.111	8.363	27.430	576.600	.737
589.0	8.4171	35.258	37.107	8.354	27.432	584.917	.853
597.4	8.4153	35.257	37.109	8.351	27.431	593.217	-.232
605.8	8.4055	35.258	37.103	8.341	27.433	601.600	.860
614.2	8.3794	35.255	37.080	8.314	27.435	610.017	.954
622.4	8.3725	35.253	37.075	8.306	27.435	618.333	-.241
631.0	8.3626	35.252	37.069	8.295	27.436	626.717	.656
639.1	8.3465	35.253	37.058	8.278	27.439	635.067	1.177
647.8	8.3151	35.250	37.029	8.246	27.441	643.450	.990
656.7	8.3055	35.247	37.022	8.235	27.441	652.233	.259
665.4	8.2844	35.246	37.005	8.213	27.443	661.033	1.020
673.8	8.2522	35.241	36.974	8.180	27.444	669.600	.693
682.5	8.2395	35.241	36.965	8.167	27.446	678.150	.876
691.0	8.2221	35.240	36.952	8.149	27.448	686.750	1.001
700.2	8.1777	35.233	36.908	8.103	27.449	695.617	.892
709.0	8.1470	35.231	36.881	8.072	27.452	704.583	1.129
717.5	8.1259	35.229	36.863	8.050	27.454	713.217	.877
726.4	8.1055	35.229	36.849	8.029	27.457	721.933	1.192
734.7	8.1156	35.237	36.858	8.038	27.461	730.567	1.225
743.4	8.0861	35.237	36.845	8.007	27.466	739.050	1.424
752.2	8.0443	35.232	36.805	7.965	27.469	747.800	1.072
760.9	7.9919	35.227	36.755	7.912	27.473	756.583	1.367
769.6	7.9477	35.226	36.717	7.867	27.479	765.250	1.558
778.0	7.9697	35.215	36.698	7.889	27.482	773.783	1.357
786.7	7.8384	35.208	36.606	7.757	27.481	782.333	-.255
795.3	7.8245	35.213	36.601	7.742	27.487	790.983	1.817
804.2	7.7879	35.211	36.568	7.704	27.490	799.733	1.226
813.2	7.7734	35.210	36.559	7.689	27.493	808.683	.940
821.2	7.7256	35.211	36.518	7.641	27.500	817.183	1.800


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 8

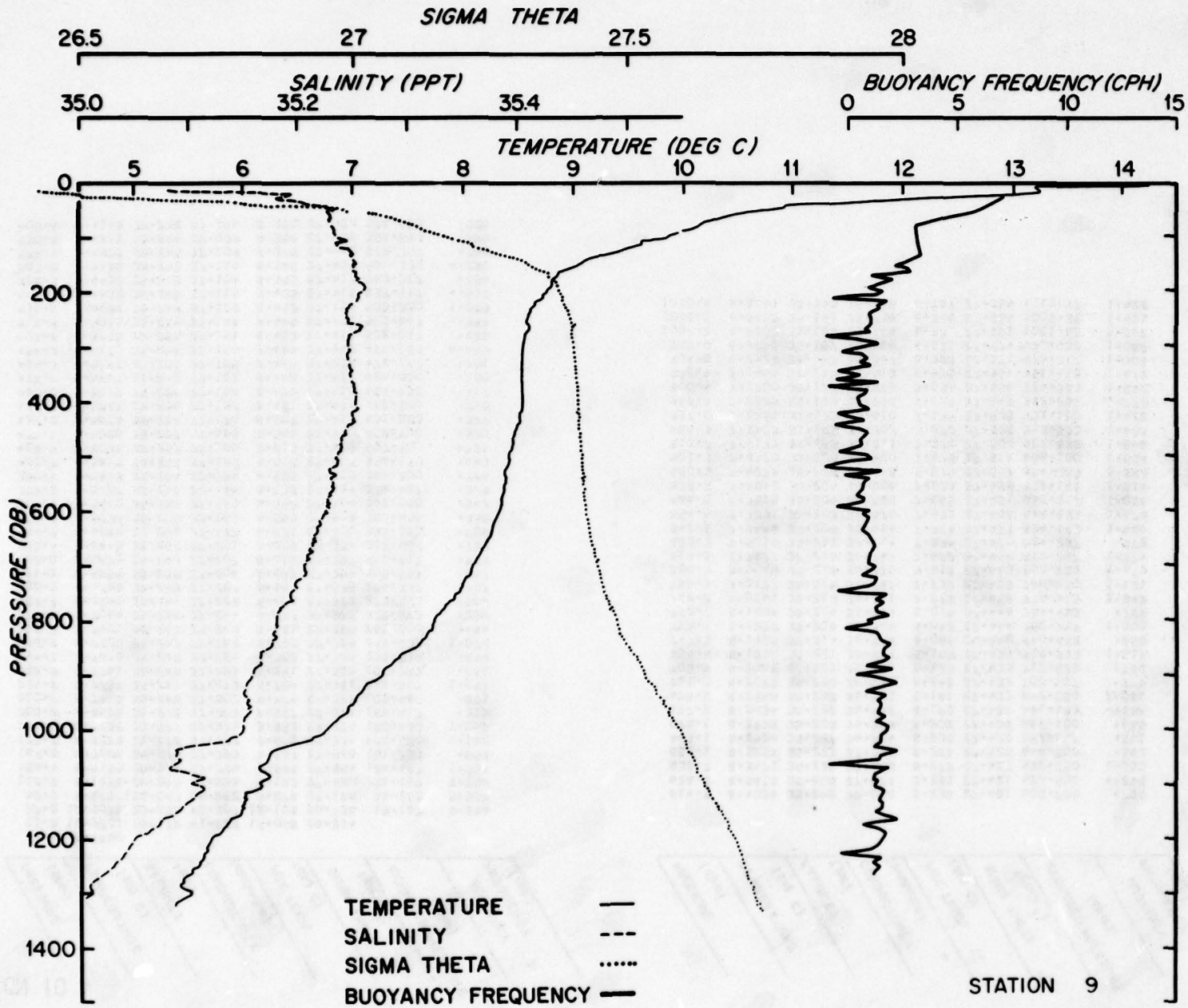


STATION 9

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
883.2	7.2931	35.162	36.098	7.204	27.525	879.150	1.956
890.9	7.2855	35.161	36.093	7.196	27.525	887.050	.306
899.3	7.2356	35.159	36.048	7.145	27.530	895.117	1.575
906.9	7.1541	35.157	35.974	7.064	27.540	903.083	2.196
914.0	7.1256	35.157	35.951	7.035	27.545	910.417	1.832
921.5	7.1035	35.154	35.931	7.012	27.546	917.733	.736
930.2	7.0580	35.155	35.894	6.966	27.553	925.850	1.743
938.3	7.0405	35.157	35.883	6.947	27.557	934.250	1.310
945.0	7.0149	35.158	35.862	6.921	27.561	941.667	1.470
952.9	6.9776	35.156	35.830	6.883	27.565	948.983	1.388
960.5	6.9692	35.159	35.828	6.874	27.568	956.700	1.287
968.9	6.8950	35.153	35.758	6.800	27.574	964.683	1.666
976.9	6.8604	35.150	35.727	6.765	27.577	972.900	1.195
985.3	6.8071	35.150	35.681	6.711	27.584	981.100	1.765
992.9	6.7685	35.151	35.650	6.672	27.590	989.117	1.754
1000.0	6.7390	35.152	35.626	6.642	27.594	996.483	1.487
1007.5	6.6509	35.140	35.537	6.553	27.597	1003.75	1.464
1015.4	6.5505	35.126	35.435	6.453	27.600	1011.45	1.414
1023.1	6.4001	35.099	35.276	6.303	27.599	1019.25	1.109
1030.4	6.2900	35.092	35.172	6.193	27.608	1026.75	2.215
1039.1	6.2515	35.091	35.139	6.154	27.612	1034.78	1.410
1047.0	6.2435	35.095	35.139	6.145	27.617	1043.05	1.354
1054.1	6.2220	35.088	35.116	6.123	27.619	1050.55	-1.026
1062.2	6.1480	35.084	35.048	6.049	27.620	1058.15	1.850
1070.3	6.2006	35.099	35.114	6.100	27.626	1066.22	1.269
1078.4	6.2562	35.115	35.182	6.155	27.630	1074.35	1.129
1085.9	6.1831	35.106	35.110	6.081	27.633	1082.17	1.404
1094.0	6.1960	35.113	35.131	6.093	27.637	1089.97	1.157
1101.7	6.1536	35.113	35.096	6.050	27.642	1097.85	1.691
1108.9	6.0826	35.106	35.028	5.979	27.646	1105.30	1.554
1117.1	6.0588	35.107	35.011	5.955	27.650	1113.03	1.386
1124.8	6.0005	35.103	34.957	5.896	27.655	1120.97	1.570
1133.3	5.9505	35.102	34.914	5.846	27.660	1129.03	1.593
1140.9	5.9275	35.102	34.896	5.822	27.663	1137.10	1.203
1149.1	5.8801	35.100	34.855	5.774	27.668	1145.02	1.571
1156.2	5.7550	35.090	34.734	5.650	27.676	1152.65	2.238
1164.7	5.7435	35.089	34.727	5.638	27.676	1160.47	.660
1172.6	5.6975	35.087	34.686	5.591	27.680	1168.67	1.433
1180.2	5.6356	35.084	34.630	5.529	27.686	1176.38	1.749
1187.4	5.5450	35.073	34.541	5.439	27.689	1183.77	1.581
1195.5	5.5085	35.074	34.512	5.402	27.693	1191.43	1.491
1203.5	5.4765	35.073	34.485	5.369	27.697	1199.48	1.324
1210.3	5.4515	35.071	34.464	5.344	27.698	1206.90	1.015
1218.2	5.4335	35.067	34.447	5.325	27.697	1214.27	.395
1226.4	5.3950	35.067	34.416	5.286	27.702	1222.28	1.534
1234.2	5.3575	35.063	34.382	5.248	27.704	1230.27	1.086
1240.9	5.3193	35.062	34.348	5.210	27.707	1237.55	1.452
1248.4	5.2766	35.058	34.309	5.167	27.709	1244.68	1.207
1256.9	5.2250	35.052	34.261	5.115	27.711	1252.65	1.112

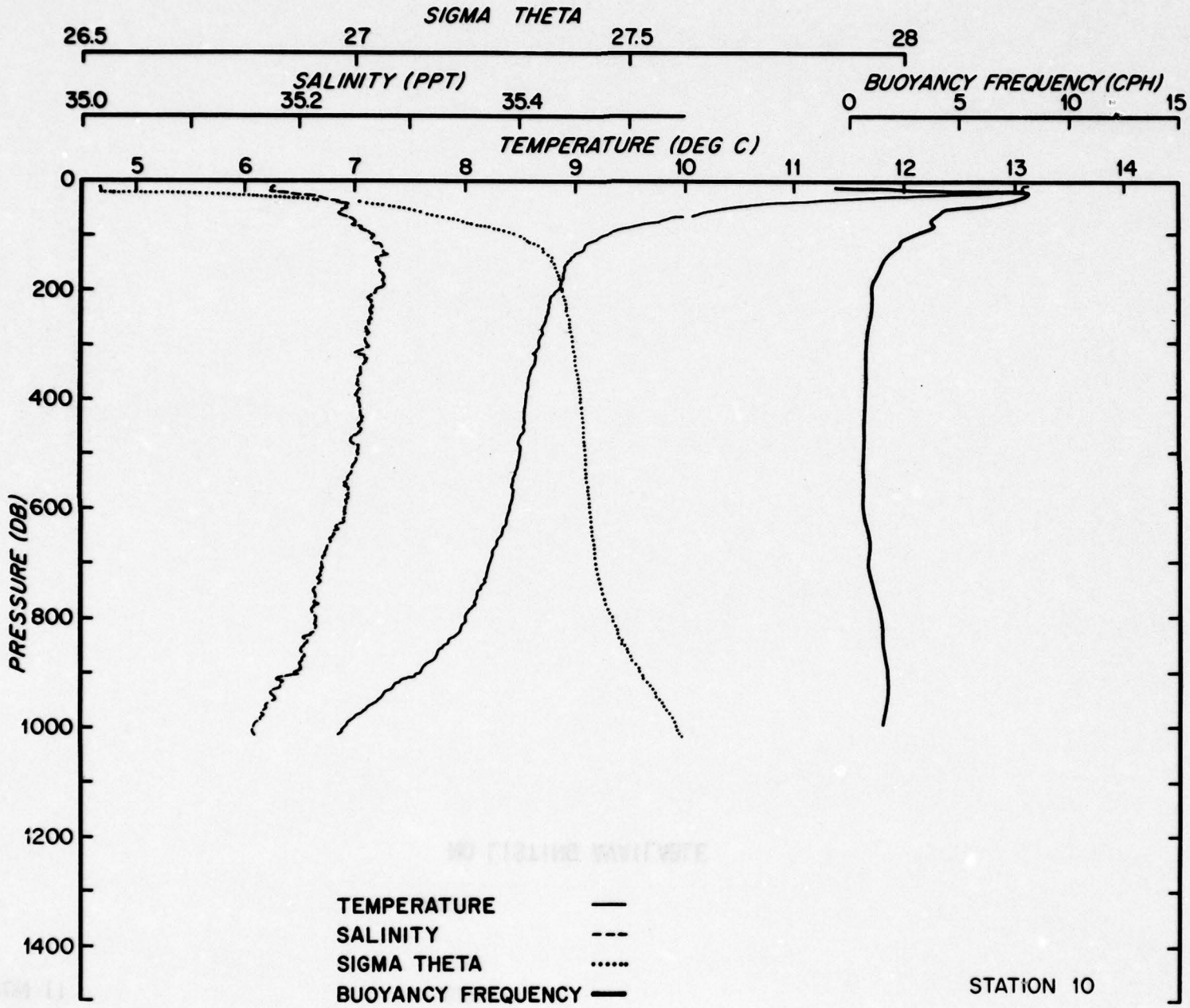
STATION 9

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
5.5	14.2085						
10.2	13.2155	35.099	41.279	13.214	26.443		
35.0	11.7595	35.211	39.996	11.755	26.816	22.583	6.939
61.4	10.4009	35.231	38.724	10.394	27.081	48.183	5.639
88.1	9.9959	35.236	38.354	9.986	27.155	74.750	2.981
115.0	9.5400	35.236	37.934	9.527	27.233	101.567	3.084
141.3	9.0941	35.252	37.539	9.079	27.319	128.167	3.241
168.4	9.0325	35.251	37.483	9.016	27.328	144.850	2.083
194.9	8.9499	35.251	37.408	8.933	27.342	151.667	2.577
161.5	8.8635	35.254	37.332	8.846	27.358	158.239	2.800
168.6	8.8505	35.253	37.323	8.832	27.359	165.083	.949
175.3	8.8055	35.254	37.284	8.787	27.367	171.967	1.925
181.9	8.8090	35.260	37.296	8.789	27.371	178.617	1.467
188.9	8.7955	35.259	37.286	8.775	27.373	185.433	.876
195.7	8.7599	35.258	37.254	8.739	27.378	192.333	1.519
202.6	8.7280	35.256	37.225	8.706	27.381	199.150	1.250
209.7	8.7213	35.252	37.218	8.699	27.379	206.117	.792
216.7	8.6676	35.249	37.168	8.644	27.385	213.183	1.662
222.4	8.6461	35.247	37.149	8.622	27.387	219.533	1.180
230.2	8.6120	35.246	37.119	8.588	27.391	226.267	1.348
237.2	8.5980	35.245	37.108	8.573	27.393	233.667	.845
244.4	8.5868	35.245	37.101	8.561	27.395	240.800	.967
251.0	8.5892	35.248	37.109	8.562	27.397	247.733	.995
257.8	8.6310	35.259	37.162	8.603	27.399	254.400	.991
264.2	8.6205	35.258	37.154	8.592	27.400	260.983	.694
272.0	8.5808	35.252	37.114	8.552	27.402	268.100	.921
278.9	8.5725	35.247	37.105	8.543	27.399	275.433	1.102
286.0	8.5611	35.245	37.096	8.531	27.399	282.417	.586
292.4	8.5550	35.248	37.096	8.524	27.403	289.283	1.269
299.8	8.5495	35.247	37.093	8.518	27.402	296.200	.269
307.1	8.5466	35.246	37.092	8.514	27.402	303.450	.413
313.1	8.5449	35.247	37.094	8.512	27.403	310.100	.602
320.5	8.5415	35.247	37.095	8.507	27.404	316.817	.776
327.7	8.5408	35.248	37.098	8.506	27.404	324.117	.500
334.2	8.5417	35.250	37.104	8.506	27.406	330.950	.959
341.2	8.5425	35.249	37.107	8.506	27.405	337.700	.584
348.4	8.5410	35.250	37.109	8.504	27.406	344.800	.478
355.2	8.5444	35.249	37.115	8.507	27.405	351.800	.553
362.4	8.5469	35.254	37.125	8.508	27.408	358.817	1.261
369.8	8.5446	35.251	37.123	8.505	27.406	366.100	.997
376.0	8.5445	35.252	37.127	8.504	27.407	372.867	.783
382.5	8.5480	35.254	37.135	8.507	27.408	379.383	.656
390.2	8.5485	35.254	37.139	8.507	27.408	386.517	.320
396.8	8.5475	35.254	37.141	8.505	27.408	393.533	.356
404.1	8.5415	35.253	37.138	8.498	27.409	400.483	.523
411.0	8.5484	35.257	37.151	8.504	27.410	407.550	.920
417.8	8.5245	35.251	37.126	8.480	27.410	414.383	.487
424.8	8.5245	35.251	37.129	8.479	27.409	421.300	.140
431.7	8.5276	35.253	37.136	8.481	27.410	428.233	.684
438.9	8.5065	35.247	37.114	8.460	27.409	435.267	.692
445.7	8.4929	35.244	37.102	8.445	27.409	442.283	.474
453.3	8.4792	35.244	37.092	8.431	27.411	449.483	.858
459.7	8.4690	35.242	37.084	8.420	27.411	456.483	.599
466.7	8.4615	35.241	37.079	8.412	27.411	463.200	.470
473.7	8.4605	35.242	37.081	8.410	27.412	470.217	.595
480.8	8.4555	35.240	37.079	8.404	27.412	477.250	.174
487.5	8.4431	35.237	37.067	8.391	27.411	484.180	.822
495.1	8.4274	35.236	37.054	8.375	27.413	491.333	.887
501.9	8.4278	35.239	37.060	8.374	27.415	498.533	1.033
509.2	8.4264	35.237	37.060	8.372	27.413	505.567	.739
516.0	8.4011	35.227	37.031	8.346	27.410	512.617	1.132
523.0	8.3880	35.231	37.028	8.332	27.415	519.500	1.059
530.4	8.3995	35.233	37.041	8.343	27.414	526.667	.266
537.4	8.3994	35.235	37.046	8.342	27.416	533.867	.894
544.3	8.3925	35.234	37.042	8.334	27.417	540.833	.603
551.2	8.3865	35.234	37.039	8.328	27.417	547.733	.610
558.2	8.3780	35.232	37.033	8.318	27.418	554.683	.519
565.3	8.3690	35.231	37.026	8.309	27.418	561.733	.331
572.7	8.3555	35.229	37.015	8.294	27.418	569.000	.670
579.6	8.3530	35.229	37.016	8.291	27.419	576.167	.610
587.4	8.3484	35.227	37.013	8.286	27.418	583.583	.695
594.5	8.3445	35.228	37.013	8.281	27.419	591.050	.885
601.2	8.3261	35.225	36.996	8.262	27.420	597.850	.580
608.3	8.3060	35.223	36.978	8.241	27.421	604.717	.918
615.3	8.2885	35.221	36.963	8.223	27.422	611.800	.780
622.7	8.2735	35.218	36.950	8.207	27.423	619.000	.601
629.5	8.2715	35.218	36.951	8.205	27.423	626.083	.501
637.0	8.2605	35.218	36.944	8.193	27.425	633.250	.846
644.5	8.2415	35.216	36.928	8.173	27.426	640.733	.944
651.7	8.2149	35.214	36.904	8.146	27.429	648.083	1.082
658.9	8.2025	35.215	36.897	8.133	27.431	655.283	1.181
666.0	8.1760	35.212	36.872	8.106	27.433	662.433	1.019
673.5	8.1601	35.212	36.860	8.089	27.435	669.733	.904
680.9	8.1369	35.209	36.839	8.065	27.436	677.200	.888
688.1	8.1254	35.209	36.831	8.053	27.438	684.533	.892
695.4	8.0989	35.207	36.808	8.025	27.441	691.767	1.216
702.7	8.0955	35.209	36.810	8.021	27.443	699.067	.929
710.2	8.0819	35.206	36.798	8.007	27.443	706.450	.520
717.0	8.0315	35.200	36.748	7.956	27.446	713.583	1.287
724.6	8.0094	35.199	36.730	7.933	27.448	720.783	1.166
732.4	7.9911	35.197	36.714	7.914	27.450	728.500	.794
739.9	7.9855	35.195	36.710	7.908	27.448	736.167	.620
747.4	7.9405	35.193	36.670	7.862	27.454	743.633	1.669
755.0	7.9384	35.197	36.675	7.859	27.457	751.200	1.153
762.2	7.8726	35.190	36.610	7.793	27.462	758.600	1.596
770.1	7.8369	35.186	36.577	7.757	27.464	766.117	1.119
777.4	7.8055	35.184	36.549	7.725	27.467	773.733	1.270
784.0	7.7621	35.184	36.510	7.681	27.473	780.683	1.794
792.2	7.7487	35.183	36.501	7.667	27.474	788.100	.812
800.2	7.7324	35.183	36.489	7.650	27.477	796.217	1.062
807.6	7.7317	35.182	36.491	7.648	27.476	803.917	.290
814.5	7.6995	35.180	36.462	7.615	27.480	811.067	1.312
821.4	7.6838	35.182	36.452	7.599	27.483	817.933	1.384
829.7	7.6354	35.179	36.408	7.550	27.488	825.517	1.502
836.6	7.5934	35.180	36.373	7.508	27.495	833.150	1.864
844.7	7.5156	35.171	36.296	7.429	27.500	840.683	1.574
852.7	7.4636	35.167	36.248	7.377	27.504	848.733	1.502
860.7	7.4175	35.168	36.209	7.330	27.512	856.733	1.805
868.5	7.3844	35.168	36.181	7.296	27.516	864.633	1.459
875.1	7.3471	35.161	36.144	7.259	27.517	871.833	.763


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 9

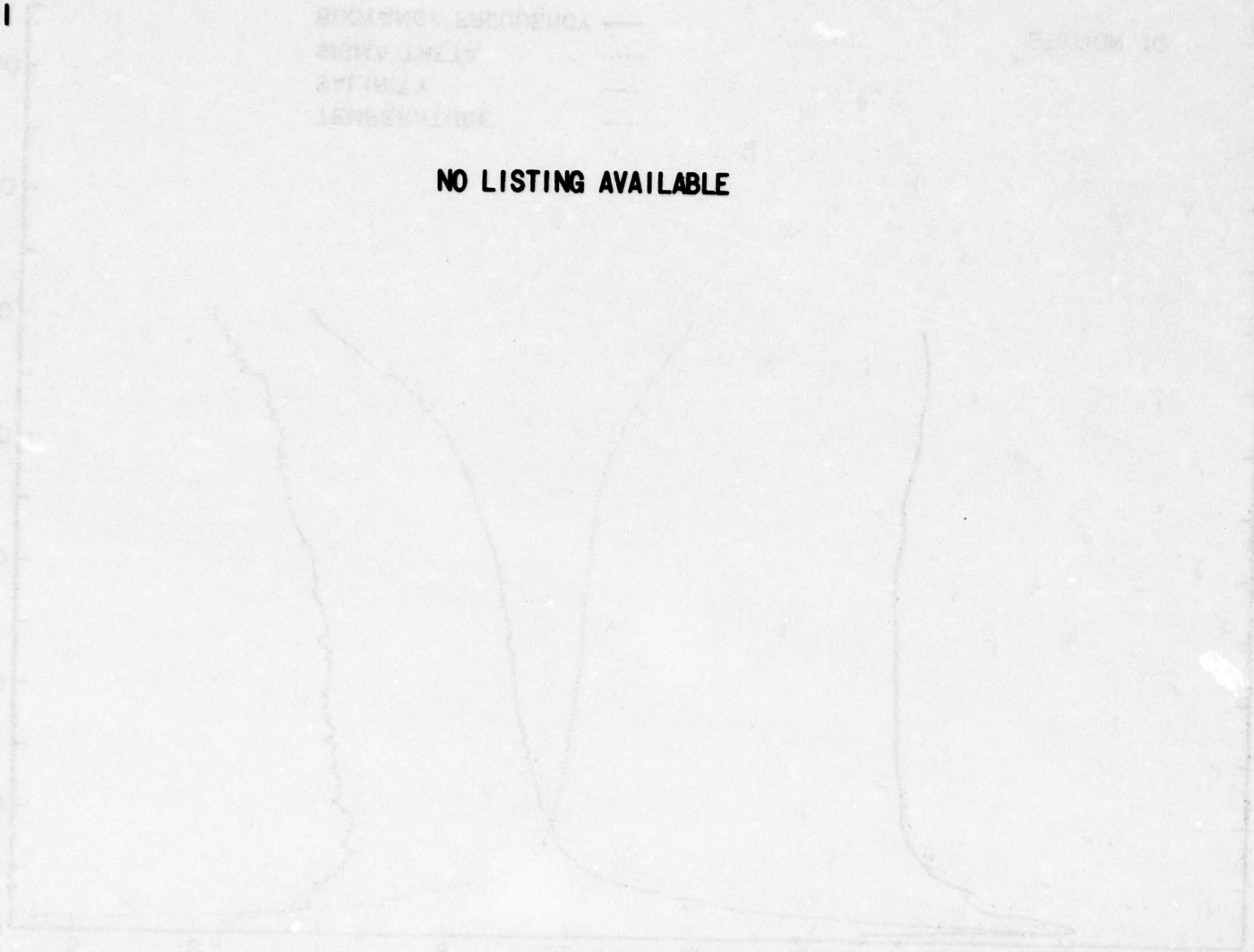
STATION 10

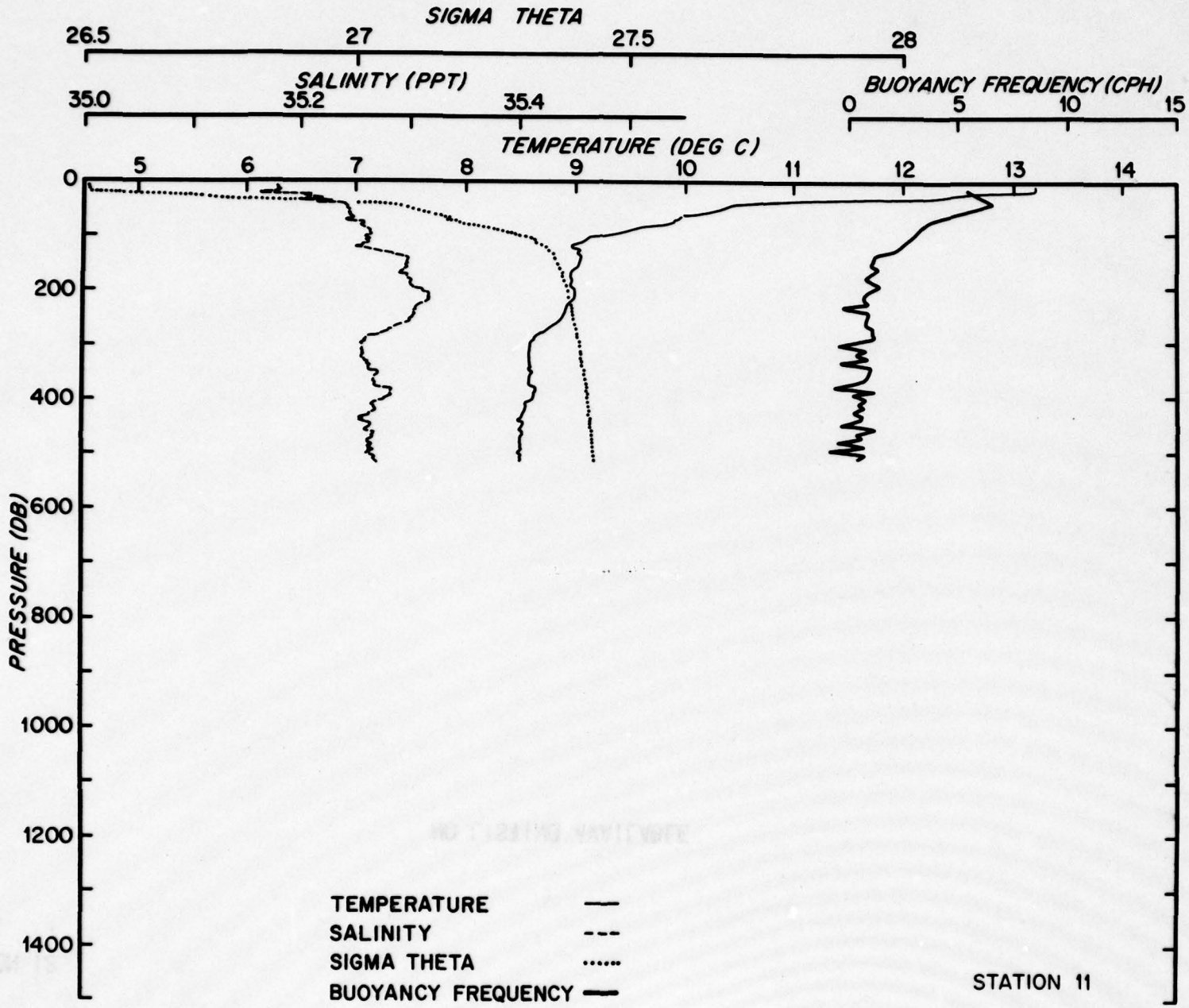
PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
9.4	12.7780						
11.3	13.0701	35.179	41.222	13.068	26.534		
27.0	12.1086	35.192	40.309	12.105	26.734	19.167	6.344
69.3	9.8857	35.247	38.252	9.878	27.183	48.183	3.804
112.9	9.1455	35.267	37.589	9.133	27.322	91.117	3.206
156.4	8.9150	35.272	37.396	8.898	27.364	134.667	1.764
167.0	8.9055	35.274	37.393	8.887	27.366	161.733	.898
178.3	8.8998	35.278	37.397	8.881	27.371	172.650	1.143
188.6	8.8735	35.277	37.376	8.853	27.374	183.433	1.045
200.2	8.8689	35.272	37.353	8.827	27.374	194.417	.315
210.7	8.7968	35.265	37.302	8.774	27.377	205.467	.991
221.8	8.7798	35.267	37.293	8.756	27.381	216.267	1.147
232.9	8.7761	35.268	37.295	8.751	27.383	227.383	.661
244.1	8.7610	35.268	37.284	8.738	27.385	238.533	.846
255.3	8.7323	35.267	37.263	8.708	27.389	249.733	1.070
266.7	8.7101	35.263	37.243	8.681	27.389	261.000	.446
277.8	8.7046	35.262	37.244	8.677	27.389	272.233	.229
288.7	8.6845	35.261	37.228	8.654	27.392	283.233	.966
300.1	8.6765	35.263	37.227	8.644	27.396	294.367	.907
311.1	8.6555	35.258	37.208	8.622	27.394	305.567	.247
322.0	8.6470	35.260	37.207	8.612	27.397	316.817	.943
333.4	8.6445	35.262	37.211	8.609	27.399	327.667	.732
344.9	8.6084	35.256	37.177	8.571	27.400	339.150	.708
356.3	8.5935	35.256	37.168	8.555	27.403	350.600	.858
367.7	8.5810	35.255	37.160	8.542	27.404	362.000	.863
379.2	8.5797	35.255	37.164	8.539	27.404	373.467	.379
390.4	8.5665	35.254	37.156	8.525	27.405	384.800	.726
401.9	8.5615	35.255	37.157	8.518	27.407	396.150	.643
413.9	8.5575	35.257	37.160	8.513	27.408	407.900	.735
425.1	8.5520	35.257	37.160	8.506	27.410	419.500	.599
437.0	8.5558	35.258	37.170	8.509	27.410	431.033	.364
448.2	8.5387	35.256	37.157	8.491	27.411	442.600	.598
460.0	8.5449	35.256	37.168	8.496	27.410	454.133	-.417
472.0	8.4985	35.248	37.123	8.448	27.411	466.000	.780
484.3	8.5197	35.256	37.155	8.468	27.414	478.117	.801
496.3	8.5170	35.254	37.156	8.464	27.413	490.283	-.469
507.8	8.5075	35.253	37.151	8.453	27.413	502.067	.473
519.5	8.5011	35.250	37.148	8.445	27.412	513.667	-.357
531.1	8.4691	35.249	37.122	8.412	27.416	525.300	1.093
543.1	8.4630	35.248	37.118	8.405	27.415	537.117	-.615
555.3	8.4430	35.245	37.104	8.383	27.417	549.217	.898
567.2	8.4495	35.245	37.116	8.389	27.417	561.233	-.292
578.4	8.4375	35.245	37.109	8.375	27.418	572.767	.740
590.8	8.4216	35.244	37.099	8.358	27.420	584.583	.696
602.6	8.4145	35.242	37.096	8.350	27.420	596.683	.335
614.8	8.4024	35.242	37.090	8.336	27.421	608.700	.708
626.8	8.3885	35.238	37.078	8.321	27.421	620.800	-.298
638.7	8.3471	35.236	37.043	8.279	27.425	632.750	1.200
651.1	8.3259	35.232	37.024	8.256	27.425	644.900	.383
663.1	8.2934	35.229	36.996	8.223	27.428	657.067	.901
675.1	8.2735	35.225	36.979	8.202	27.428	669.100	.465
687.2	8.2634	35.222	36.972	8.190	27.427	681.183	-.334
699.3	8.2355	35.222	36.951	8.161	27.431	693.250	1.091
711.0	8.2175	35.220	36.938	8.142	27.433	705.117	.771
723.5	8.2065	35.221	36.934	8.129	27.435	717.233	.792
734.4	8.1834	35.221	36.917	8.105	27.439	728.933	1.114
747.3	8.1435	35.214	36.879	8.064	27.440	740.833	.650
758.1	8.1229	35.216	36.866	8.043	27.444	752.717	1.200
770.7	8.1004	35.214	36.849	8.019	27.446	764.433	.799
782.2	8.0561	35.213	36.811	7.973	27.452	776.483	1.349
794.3	8.0227	35.215	36.787	7.939	27.459	788.250	1.431
806.3	8.0040	35.216	36.776	7.919	27.463	800.283	1.071
818.2	7.9677	35.216	36.747	7.882	27.468	812.267	1.274
830.3	7.9216	35.211	36.704	7.834	27.470	824.267	.972
842.1	7.8646	35.208	36.654	7.776	27.477	836.183	1.456
854.4	7.7791	35.203	36.575	7.690	27.486	848.233	1.673
866.0	7.7552	35.206	36.560	7.665	27.491	860.217	1.256
878.3	7.6941	35.204	36.506	7.603	27.499	872.167	1.518
890.3	7.6279	35.202	36.448	7.536	27.507	884.283	1.893
901.9	7.5720	35.200	36.400	7.479	27.514	896.100	1.504
913.7	7.4135	35.183	36.241	7.320	27.523	907.833	1.846
925.3	7.3639	35.185	36.202	7.270	27.532	919.533	1.655
937.0	7.2686	35.175	36.110	7.174	27.538	931.150	1.472
948.8	7.2239	35.180	36.078	7.128	27.549	942.867	1.772
960.4	7.1300	35.172	35.988	7.034	27.556	954.583	1.560
972.4	7.0466	35.168	35.913	6.950	27.564	966.400	1.673
984.0	6.9929	35.167	35.867	6.895	27.571	978.217	1.505
996.0	6.9290	35.159	35.806	6.831	27.574	990.000	1.082
1007.2	6.8800	35.159	35.766	6.781	27.581	1001.60	1.512
1011.5	6.8655	35.161	35.756	6.766	27.584	1009.38	1.651
1010.4	6.8661	35.160	35.755	6.767	27.584	1010.97	1.422


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 10

STATION 11

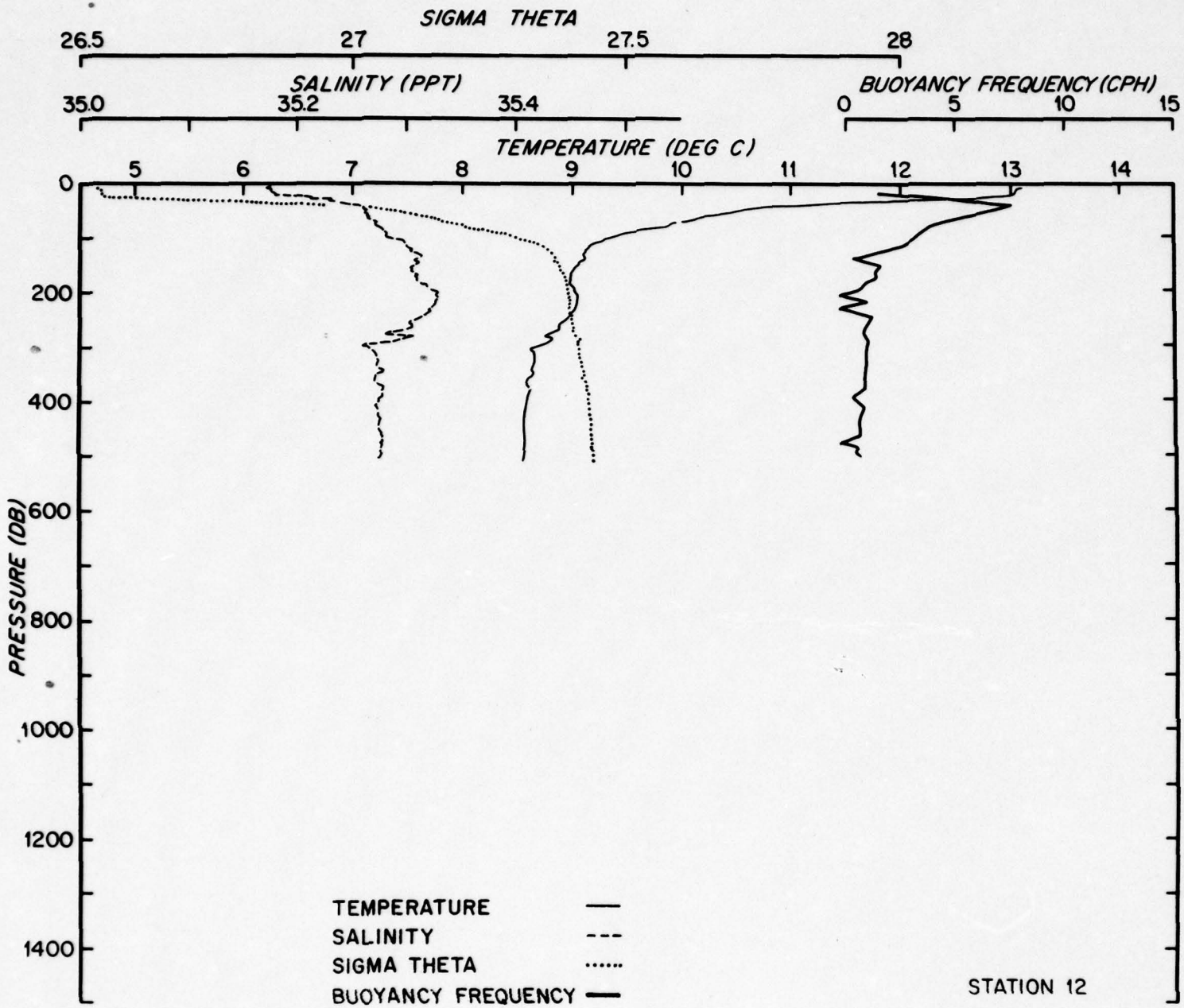
NO LISTING AVAILABLE




SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
200
400
600
800
1000
1200
1400
PRESSURE (DB)
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 11

STATION 12

NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
0
200
400
600
800
1000
1200
1400
PRESSURE (DB)
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 12

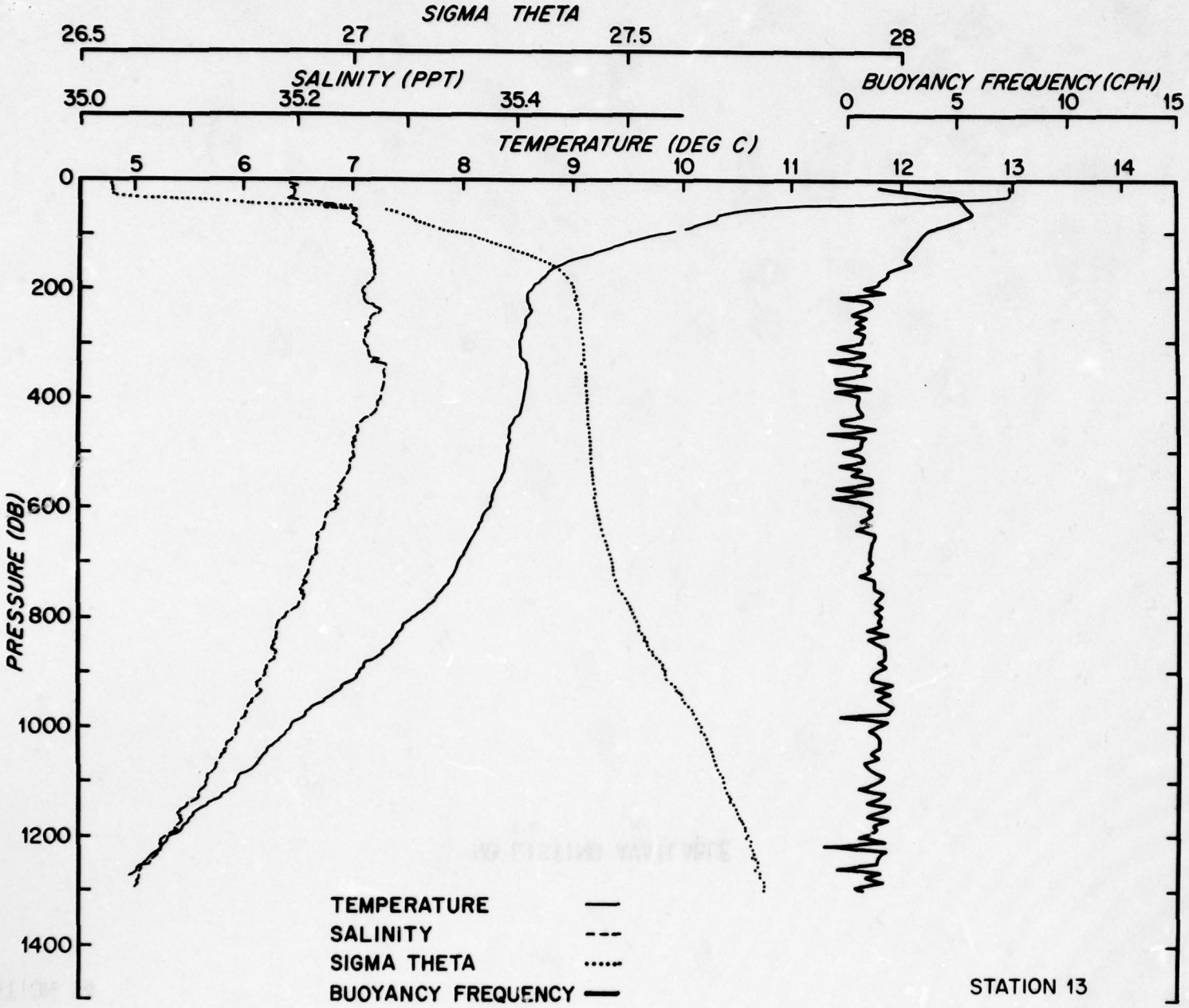
STATION 13

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
1001•5	6•4520	35•146	35•357	6•357	27•629	997•700	•962
1009•8	6•4190	35•146	35•330	6•323	27•633	1005•65	1•401
1018•4	6•3574	35•141	35•273	6•261	27•638	1014•08	1•514
1026•8	6•3130	35•140	35•234	6•216	27•642	1022•60	1•462
1033•7	6•2735	35•137	35•199	6•176	27•646	1030•23	1•437
1042•7	6•2466	35•136	35•177	6•149	27•648	1038•20	1•071
1050•9	6•2050	35•135	35•141	6•106	27•653	1046•83	1•452
1059•4	6•1805	35•131	35•119	6•081	27•653	1055•17	•720
1066•6	6•1550	35•129	35•096	6•055	27•655	1063•02	•929
1075•1	6•1257	35•127	35•072	6•025	27•657	1070•87	1•134
1084•3	6•0410	35•121	34•993	5•941	27•663	1079•72	1•703
1090•9	5•9929	35•118	34•949	5•892	27•667	1087•63	1•564
1099•8	5•9695	35•119	34•932	5•868	27•671	1095•38	1•221
1108•3	5•9609	35•118	34•927	5•859	27•671	1104•07	•568
1116•1	5•8945	35•114	34•866	5•792	27•677	1112•22	1•755
1123•9	5•8450	35•112	34•822	5•742	27•682	1120•03	1•539
1131•9	5•8165	35•109	34•797	5•713	27•683	1127•92	•934
1140•3	5•7161	35•103	34•703	5•613	27•690	1136•08	1•981
1148•2	5•6460	35•098	34•638	5•543	27•696	1144•23	1•680
1156•3	5•5945	35•091	34•588	5•491	27•696	1152•27	•909
1164•9	5•5515	35•095	34•556	5•447	27•705	1160•60	1•908
1172•1	5•5406	35•097	34•551	5•436	27•708	1168•47	1•210
1180•8	5•4715	35•090	34•486	5•366	27•711	1176•42	1•394
1189•8	5•4645	35•093	34•486	5•359	27•714	1185•27	1•103
1196•3	5•3947	35•080	34•414	5•289	27•713	1193•03	•504
1204•8	5•3387	35•080	34•367	5•232	27•719	1200•55	1•742
1212•6	5•3405	35•076	34•368	5•233	27•716	1208•68	•1•160
1220•9	5•2836	35•076	34•320	5•176	27•723	1216•72	1•847
1230•0	5•2365	35•075	34•280	5•129	27•727	1225•43	1•457
1237•4	5•1865	35•072	34•235	5•078	27•731	1233•70	1•483
1245•5	5•1520	35•071	34•206	5•044	27•734	1241•43	1•316
1254•3	5•1045	35•061	34•158	4•996	27•732	1249•88	••474
1262•2	5•0525	35•059	34•113	4•943	27•737	1258•23	1•575
1270•7	5•0182	35•055	34•082	4•909	27•738	1266•45	•905
1278•7	4•9747	35•056	34•047	4•865	27•743	1274•70	1•685
1287•0	4•9641	35•054	34•039	4•853	27•743	1282•83	•367
1293•0	4•9431	35•052	34•020	4•832	27•744	1290•00	•801

STATION 13

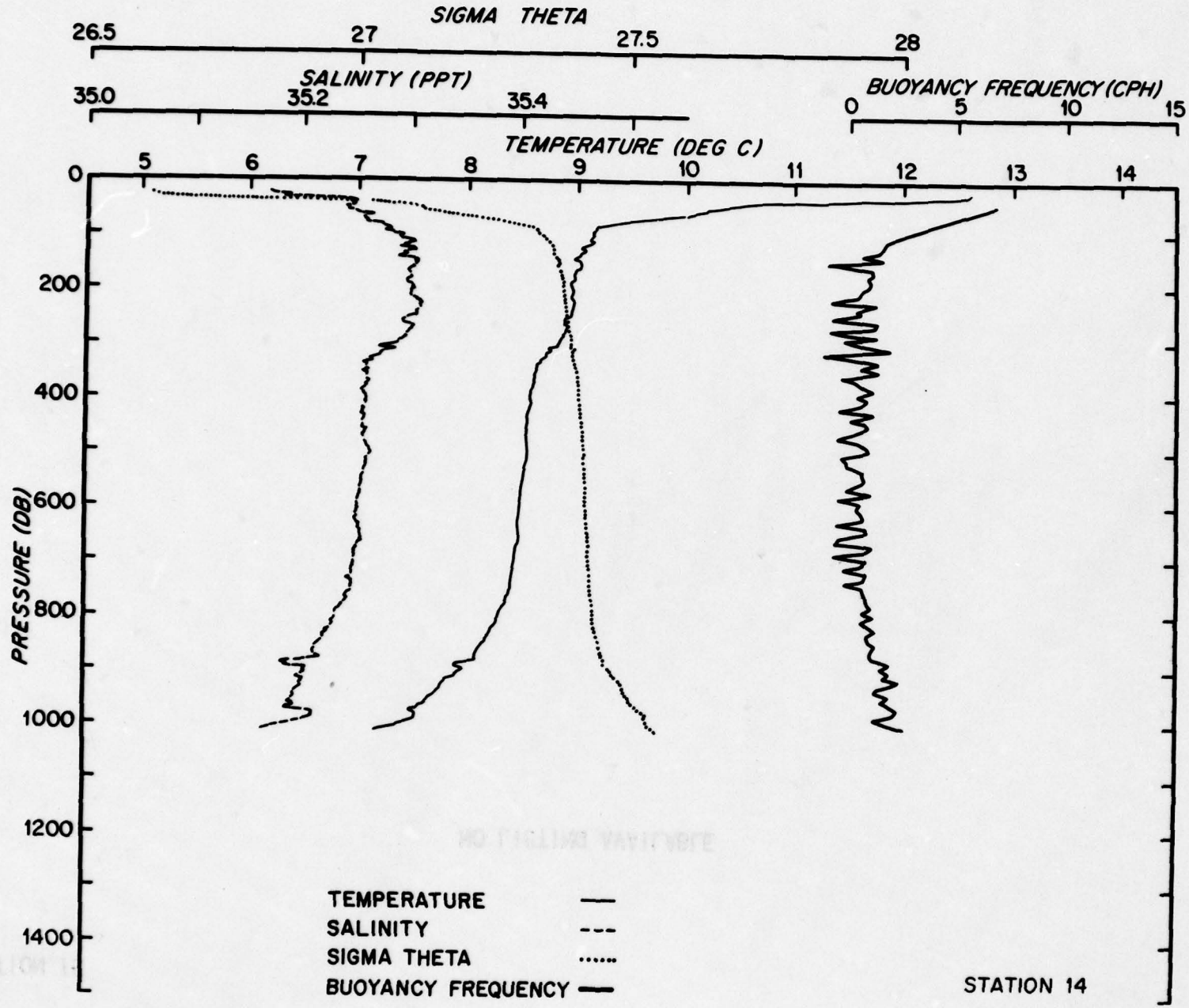
PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.5	10.9393						
8.7	13.0085	36.196	41.181	13.007	26.562		
11.6	12.9939	36.197	41.166	12.992	26.564	10.183	1.452
42.2	11.8480	36.219	40.089	11.840	26.806	26.917	5.018
73.2	10.2645	36.254	38.821	10.284	27.122	57.717	5.694
105.1	9.5974	36.262	38.009	9.586	27.244	89.167	3.494
135.4	9.1240	36.268	37.580	9.109	27.327	120.250	2.975
143.7	9.0145	36.268	37.480	8.999	27.344	139.567	2.611
151.6	8.8959	36.269	37.373	8.880	27.368	147.667	2.887
159.9	8.8198	36.269	37.304	8.803	27.376	155.767	2.133
167.1	8.7774	36.269	37.268	8.760	27.383	163.517	1.784
174.8	8.7375	36.271	37.238	8.719	27.391	170.967	1.806
181.9	8.6972	36.268	37.198	8.678	27.395	178.367	1.430
189.5	8.6465	36.263	37.149	8.626	27.399	185.717	1.351
196.2	8.6140	36.258	37.119	8.595	27.400	193.883	.692
205.3	8.5845	36.260	37.095	8.563	27.407	201.783	1.723
213.2	8.5584	36.260	37.102	8.546	27.406	209.267	-.404
221.1	8.5772	36.261	37.096	8.564	27.409	217.150	1.005
228.7	8.5975	36.269	37.126	8.573	27.412	224.900	1.119
236.0	8.6275	36.276	37.165	8.602	27.413	232.367	.787
243.8	8.6087	36.272	37.147	8.583	27.413	239.900	.192
251.2	8.5730	36.267	37.112	8.546	27.414	247.467	.882
259.3	8.5636	36.265	37.105	8.536	27.414	255.233	.325
267.1	8.5479	36.264	37.092	8.520	27.416	263.217	.821
274.8	8.5410	36.263	37.088	8.512	27.416	270.983	.270
282.1	8.5385	36.264	37.090	8.509	27.417	278.450	.798
290.4	8.5167	36.260	37.070	8.486	27.418	286.217	.626
298.1	8.5145	36.261	37.072	8.483	27.419	294.217	.634
306.2	8.5234	36.262	37.085	8.491	27.418	302.117	-.445
313.7	8.5267	36.265	37.094	8.493	27.420	309.980	.849
321.1	8.5270	36.264	37.098	8.493	27.420	317.400	.553
329.4	8.5675	36.271	37.145	8.532	27.418	328.233	-.911
337.5	8.5846	36.278	37.172	8.549	27.421	333.450	1.081
345.8	8.5805	36.279	37.172	8.544	27.422	341.650	.676
354.0	8.5781	36.280	37.175	8.540	27.424	349.917	.847
362.4	8.5802	36.279	37.180	8.541	27.423	358.233	-.632
370.2	8.5756	36.277	37.177	8.536	27.422	366.317	-.499
378.4	8.5681	36.279	37.176	8.528	27.426	374.317	1.084
386.7	8.5685	36.277	37.175	8.529	27.424	382.550	-.617
395.0	8.5685	36.276	37.168	8.513	27.424	390.833	.516
403.3	8.5685	36.274	37.161	8.502	27.424	399.167	.413
412.4	8.5373	36.273	37.156	8.493	27.428	407.850	.488
420.5	8.5205	36.270	37.141	8.476	27.428	416.450	.682
428.5	8.5090	36.269	37.133	8.463	27.426	424.517	.675
436.6	8.4775	36.268	37.100	8.431	27.425	432.650	-.305
445.2	8.4532	36.256	37.076	8.406	27.425	440.983	-.215
452.6	8.4246	36.255	37.051	8.376	27.428	448.883	1.240
460.7	8.4285	36.253	37.056	8.379	27.426	456.633	-.838
469.4	8.4160	36.253	37.048	8.366	27.428	465.033	.816
478.2	8.4149	36.253	37.051	8.364	27.428	473.800	.544
485.9	8.4035	36.252	37.046	8.355	27.429	482.033	.549
494.3	8.4035	36.251	37.046	8.351	27.428	490.083	-.196
502.8	8.4030	36.252	37.050	8.349	27.429	498.567	.547
511.7	8.3885	36.250	37.039	8.334	27.430	507.267	.725
519.2	8.3800	36.248	37.032	8.325	27.430	515.450	-.404
527.5	8.3742	36.248	37.030	8.318	27.430	523.333	.608

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
535.8	8.3582	36.244	37.015	8.301	27.430	531.633	.139
544.2	8.3384	36.244	37.000	8.280	27.433	540.000	1.073
553.0	8.3139	36.242	36.980	8.255	27.435	548.600	1.058
561.0	8.2984	36.238	36.965	8.239	27.434	556.983	-.491
569.2	8.2819	36.238	36.953	8.222	27.437	565.100	1.075
577.7	8.2769	36.235	36.949	8.216	27.438	573.450	-.756
585.9	8.2816	36.237	36.959	8.219	27.436	581.767	.637
594.6	8.2590	36.236	36.941	8.196	27.439	590.233	1.100
602.4	8.2201	36.230	36.902	8.156	27.440	598.517	.875
611.1	8.1909	36.228	36.877	8.126	27.443	606.783	1.120
619.7	8.1685	36.224	36.886	8.103	27.444	615.400	.523
627.8	8.1565	36.225	36.849	8.090	27.446	623.733	1.024
636.1	8.1399	36.222	36.834	8.073	27.446	631.967	.344
644.7	8.1049	36.219	36.803	8.037	27.450	640.433	1.250
652.8	8.0855	36.220	36.789	8.017	27.453	648.750	1.193
661.4	8.0645	36.219	36.773	7.995	27.456	657.200	1.102
670.1	8.0435	36.219	36.756	7.973	27.458	665.850	1.064
677.8	8.0225	36.217	36.738	7.951	27.460	673.917	1.001
687.1	8.0129	36.218	36.734	7.941	27.463	682.450	.913
695.1	7.9764	36.214	36.700	7.904	27.465	691.133	1.102
703.1	7.9525	36.211	36.678	7.879	27.466	699.117	.893
711.1	7.9389	36.212	36.669	7.865	27.469	707.083	1.007
719.5	7.9285	36.210	36.662	7.853	27.469	715.283	.446
727.2	7.9035	36.209	36.641	7.828	27.472	723.333	1.189
735.2	7.8865	36.210	36.629	7.810	27.475	731.183	1.225
743.6	7.8455	36.206	36.591	7.768	27.478	739.417	1.189
751.7	7.8009	36.204	36.552	7.723	27.484	747.683	1.582
760.1	7.7785	36.206	36.536	7.700	27.489	755.917	1.434
768.0	7.7425	36.203	36.503	7.663	27.492	764.050	1.206
776.5	7.6954	36.202	36.462	7.615	27.497	772.267	1.566
784.7	7.6480	36.196	36.416	7.567	27.500	780.600	1.194
793.0	7.5845	36.190	36.355	7.503	27.505	788.817	1.498
802.0	7.5415	36.188	36.317	7.460	27.509	797.500	1.353
809.5	7.4819	36.182	36.260	7.400	27.513	805.767	1.556
818.3	7.4740	36.183	36.257	7.391	27.515	813.917	.816
826.9	7.4206	36.184	36.211	7.337	27.523	822.633	1.849
834.8	7.4065	36.183	36.201	7.322	27.525	830.867	.864
843.0	7.3705	36.180	36.169	7.285	27.528	838.917	1.223
851.5	7.3219	36.180	36.127	7.236	27.535	847.283	1.701
859.8	7.2936	36.183	36.107	7.207	27.541	855.650	1.645
868.5	7.2375	36.182	36.057	7.150	27.548	864.150	1.728
877.1	7.1980	36.179	36.019	7.107	27.552	872.600	1.367
885.6	7.1249	36.175	35.954	7.037	27.559	881.317	1.748
893.9	7.0894	36.173	35.924	7.001	27.563	889.717	1.332
901.8	7.0670	36.173	35.906	6.978	27.565	897.817	1.126
910.4	7.0289	36.169	35.871	6.939	27.567	906.200	1.065
918.3	6.9384	36.163	35.785	6.848	27.576	914.450	2.070
927.1	6.9225	36.165	35.776	6.831	27.580	922.667	1.246
935.2	6.8726	36.167	35.736	6.781	27.588	931.150	1.962
943.8	6.8031	36.160	35.668	6.711	27.592	939.500	1.404
952.3	6.7464	36.159	35.619	6.654	27.600	948.050	1.797
960.0	6.6621	36.157	35.542	6.569	27.609	956.167	2.153
968.6	6.6026	36.156	35.491	6.509	27.617	964.317	1.845
976.4	6.5950	36.154	35.485	6.501	27.616	972.500	-.410
984.8	6.5286	36.152	35.425	6.434	27.623	980.583	1.835
993.9	6.4760	36.148	35.378	6.381	27.627	989.333	1.401


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 13

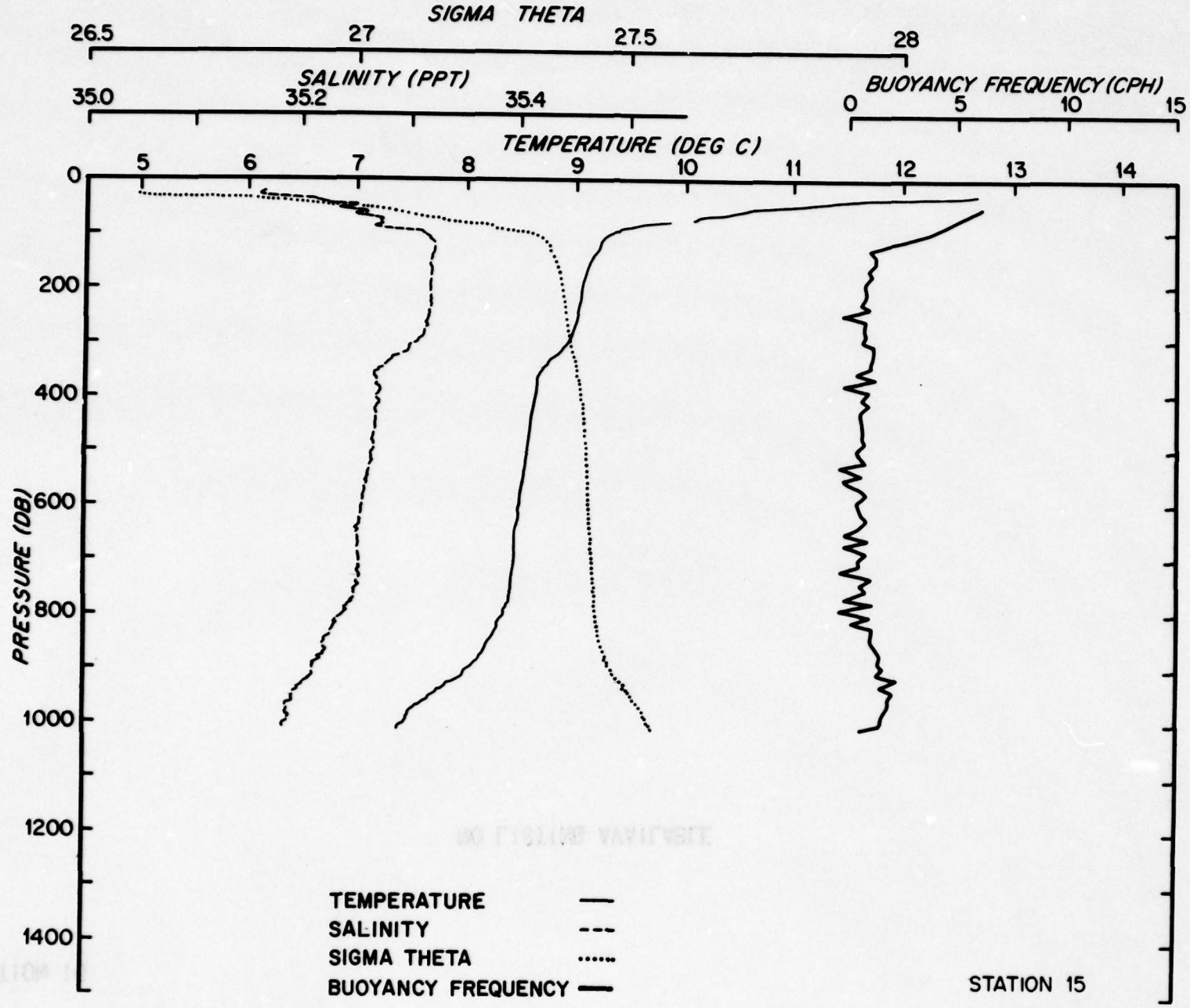
STATION 14

NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 14

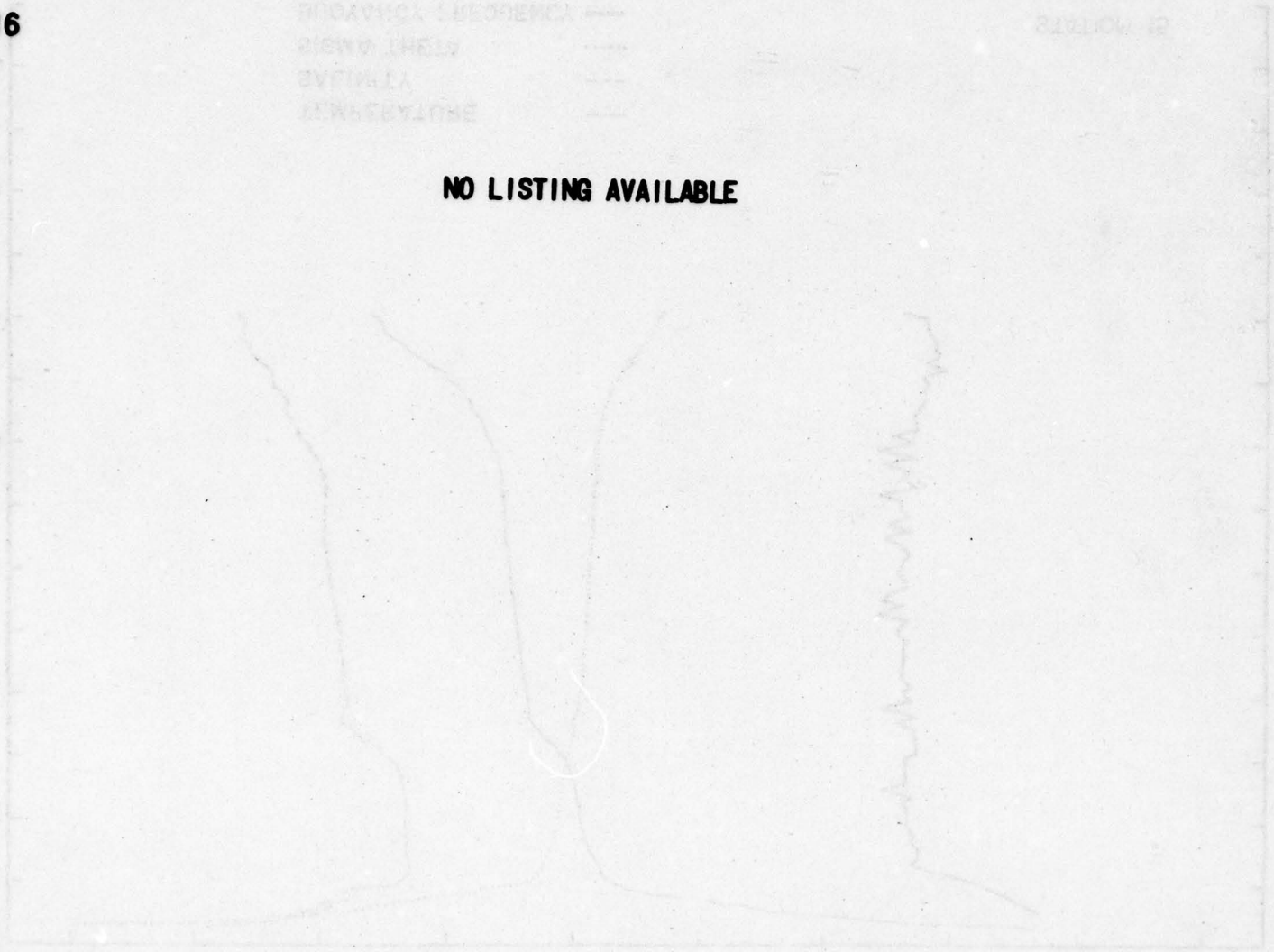
STATION 15

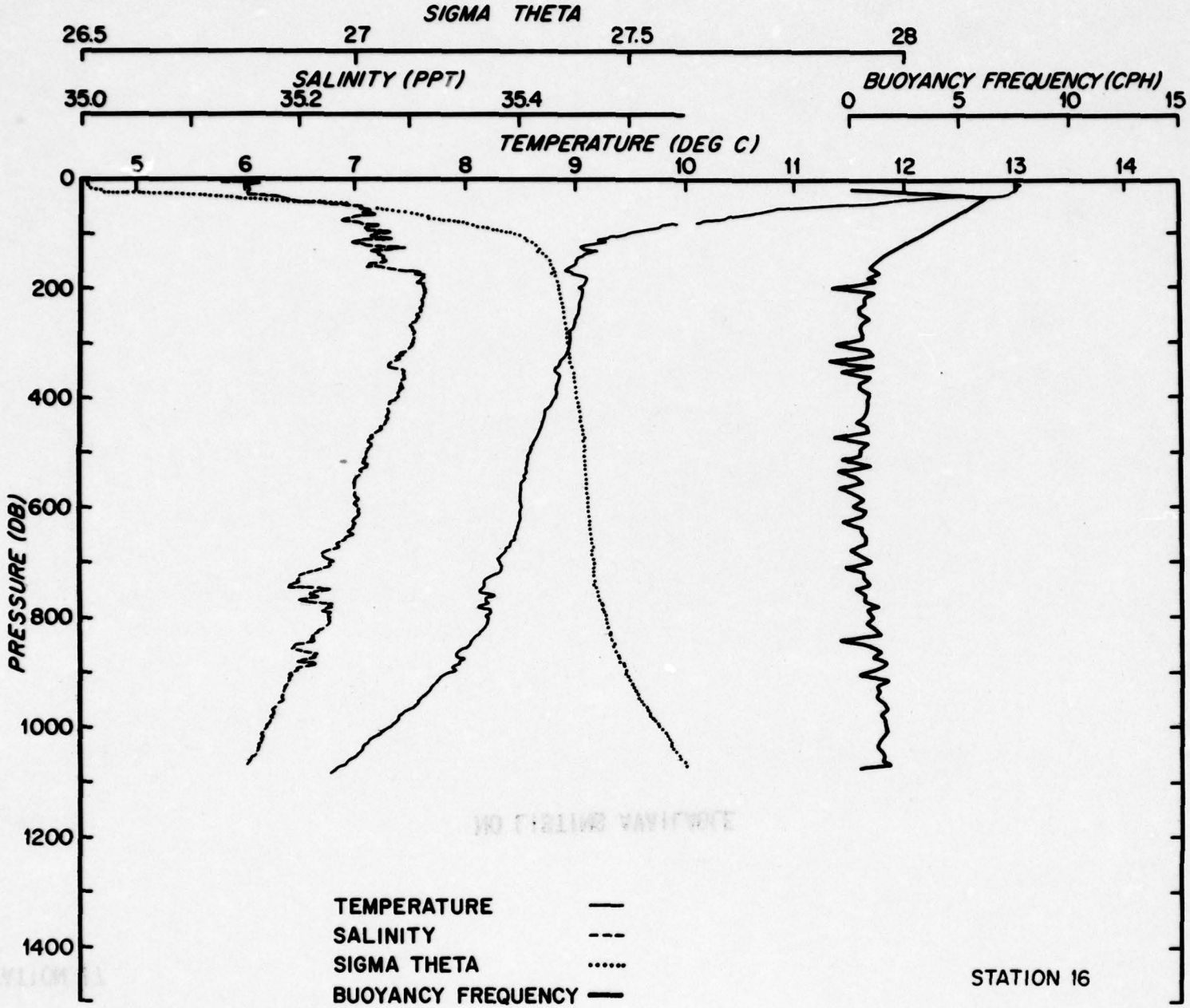
NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 15

STATION 16

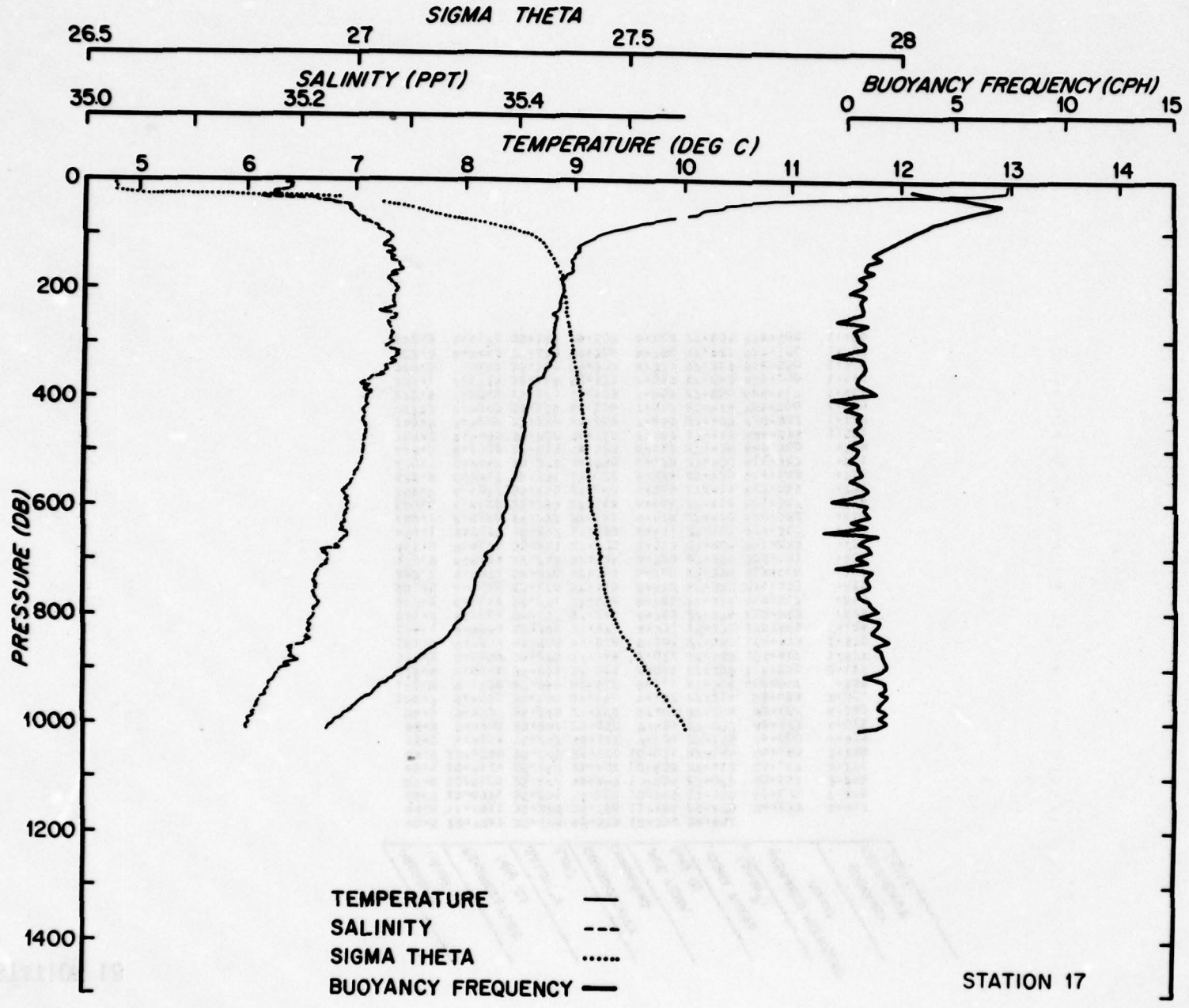
NO LISTING AVAILABLE




SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 16

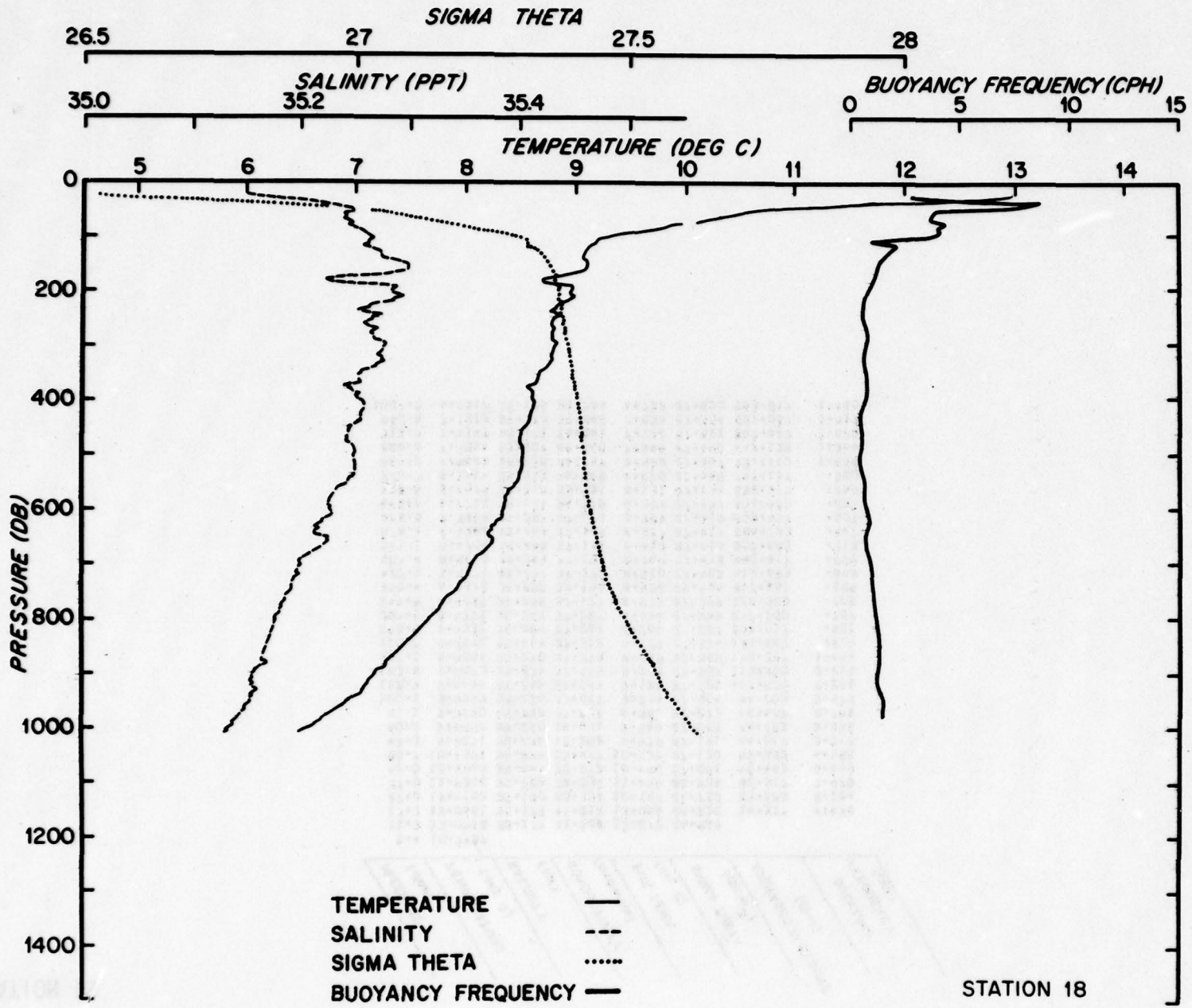
STATION 17

NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 17

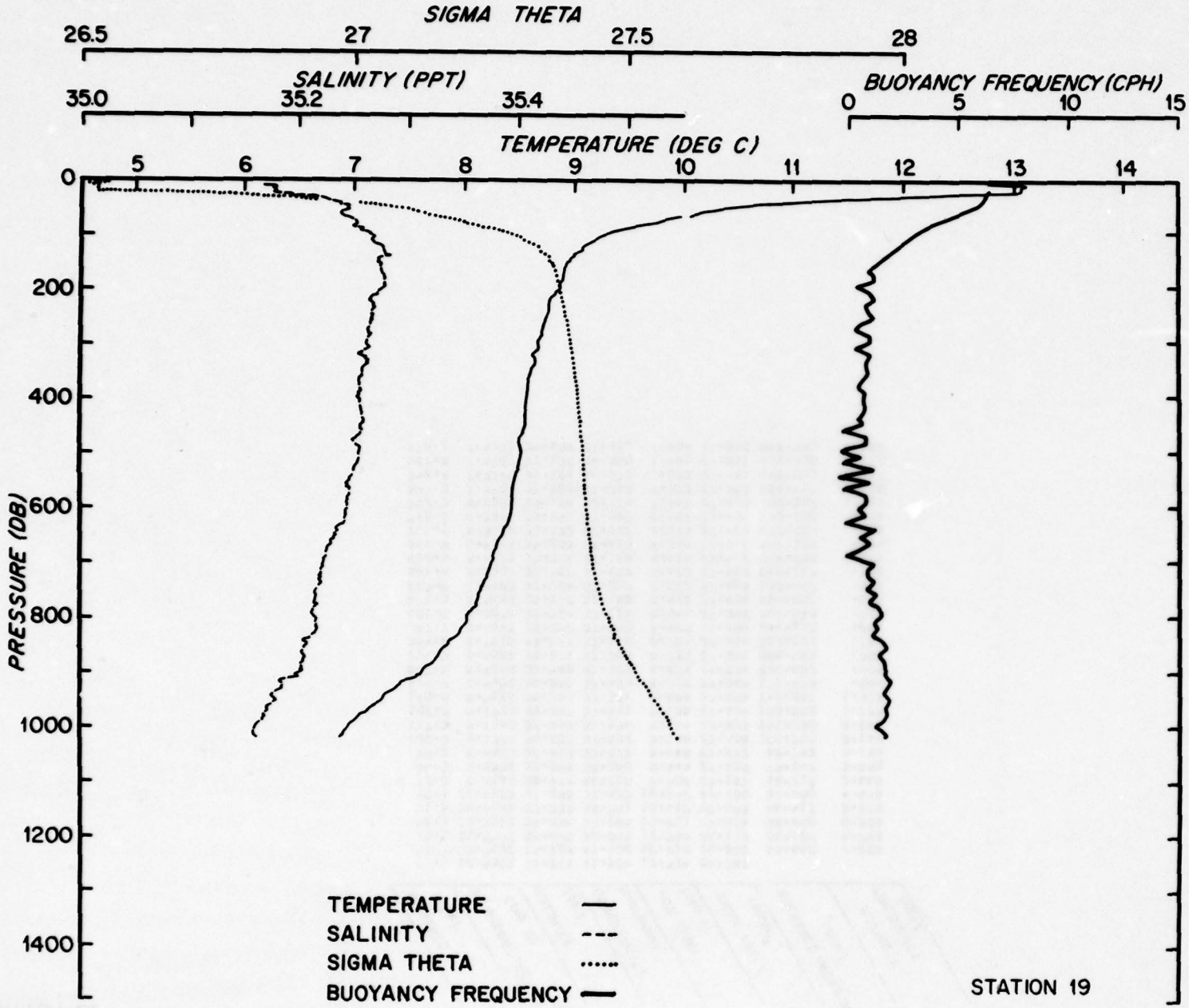
STATION 18

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
30.5	12.7341	35.192	40.529	12.330	26.491		
38.0	11.4911	35.223	39.750	11.484	26.676	34.233	8.827
46.3	10.6991	35.244	39.015	10.693	27.038	42.133	7.879
54.0	10.5106	35.249	38.843	10.504	27.078	50.117	3.943
62.4	10.2624	35.242	38.602	10.255	27.113	58.167	3.791
69.9	10.0794	35.242	38.432	10.071	27.146	66.180	3.704
78.1	9.9134	35.247	38.287	9.904	27.196	74.000	4.403
86.3	9.6306	35.261	38.030	9.621	27.237	82.183	4.021
94.6	9.3737	35.263	37.793	9.363	27.282	90.467	4.160
102.7	9.2080	35.269	37.646	9.197	27.314	98.683	3.551
110.9	9.1729	35.268	37.612	9.161	27.316	106.817	.939
119.4	9.0944	35.268	37.541	9.081	27.329	115.250	2.197
127.2	9.0859	35.275	37.546	9.072	27.338	123.417	1.977
101.6	9.0849	35.300	37.586	9.067	27.358	144.433	1.378
196.1	8.9883	35.291	37.472	8.937	27.371	178.883	1.134
231.8	8.7804	35.259	37.290	8.755	27.375	213.982	.683
267.2	8.8143	35.271	37.350	8.785	27.379	249.517	.640
301.6	8.8060	35.279	37.366	8.773	27.387	284.333	.863
337.3	8.7392	35.270	37.309	8.703	27.390	319.400	.647
372.9	8.5453	35.243	37.136	8.525	27.396	355.133	.886
409.5	8.6174	35.263	37.220	8.573	27.404	391.233	.821
446.1	8.5284	35.247	37.138	8.481	27.408	427.800	.498
483.1	8.5296	35.252	37.161	8.478	27.410	464.583	.648
520.0	8.5198	35.253	37.168	8.464	27.412	501.567	.488
556.7	8.4273	35.240	37.085	8.368	27.416	537.883	.731
593.2	8.3519	35.231	37.022	8.289	27.420	574.483	.713
630.7	8.2447	35.222	36.930	8.178	27.430	611.983	.991
667.9	8.1928	35.219	36.895	8.122	27.436	649.300	.794
705.2	8.0359	35.202	36.748	7.962	27.444	686.533	1.061
741.5	7.9229	35.194	36.653	7.845	27.459	723.333	1.139
777.9	7.7592	35.185	36.506	7.679	27.474	759.700	1.280
872.9	7.2962	35.170	36.103	7.208	27.530	825.417	1.481
897.1	7.1727	35.163	35.993	7.083	27.543	885.000	1.413
928.0	7.0642	35.164	35.908	6.974	27.558	912.550	1.365
958.3	6.9442	35.153	35.806	6.850	27.581	943.150	1.705
990.5	6.6172	35.143	35.502	6.522	27.604	974.400	1.676


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 18

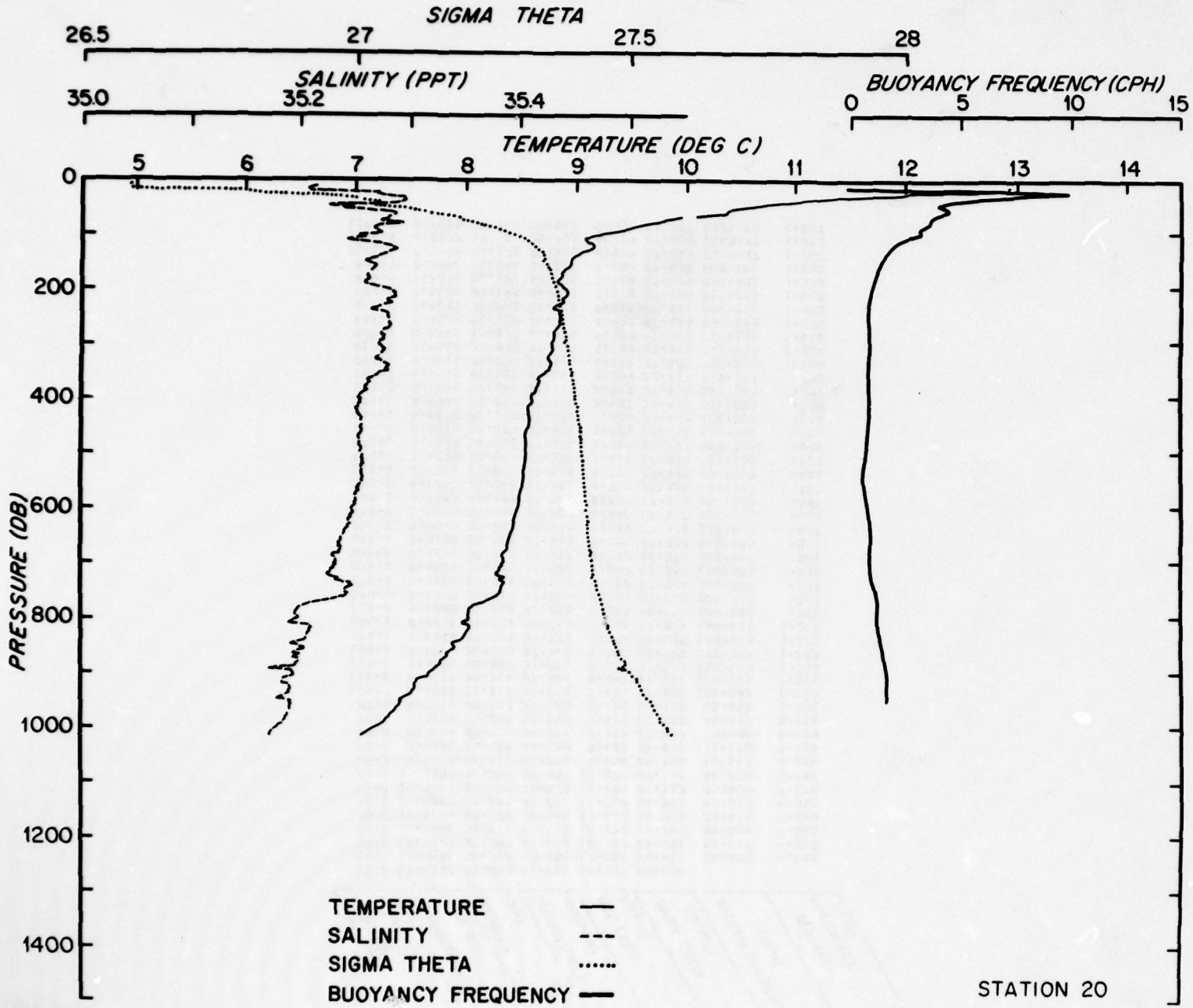
STATION 19

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (PSU)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (CPH)
5.4	12.7797						
11.3	13.0718	35.177	41.222	13.070	26.533		
17.3	13.0681	35.175	41.218	13.066	26.532	14.317	-.698
27.0	12.1102	35.190	40.309	12.107	26.733	22.183	8.104
37.0	11.P310	35.228	39.504	11.224	26.928	32.017	7.879
48.0	10.4960	35.241	38.818	10.490	27.071	42.483	6.440
58.7	10.1391	35.236	38.477	10.132	27.130	53.333	4.188
69.3	9.8871	35.244	38.252	9.879	27.181	64.017	3.917
80.2	9.6582	35.250	38.041	9.646	27.225	74.783	3.558
91.1	9.3920	35.284	37.802	9.382	27.273	85.667	3.788
102.1	9.2949	35.264	37.687	9.244	27.304	96.600	2.979
112.9	9.1469	35.266	37.589	9.134	27.321	107.500	2.281
123.5	9.0873	35.274	37.545	9.074	27.337	118.200	2.216
167.0	8.9068	35.272	37.393	8.889	27.365	145.267	1.454
210.7	8.7982	35.264	37.302	8.775	27.376	188.867	.924
255.3	8.7337	35.265	37.243	8.706	27.387	233.017	.951
300.1	8.6778	35.262	37.227	8.646	27.393	277.700	.707
344.9	8.6097	35.285	37.177	8.573	27.399	322.500	.705
390.4	8.5478	35.283	37.156	8.526	27.404	367.667	.655
437.0	8.5871	35.287	37.170	8.510	27.409	413.683	.603
484.3	8.5210	35.284	37.155	8.469	27.413	460.617	.592
531.1	8.4704	35.288	37.122	8.413	27.415	507.683	.513
578.4	8.4388	35.244	37.109	8.377	27.417	554.733	.467
626.8	8.3898	35.237	37.078	8.323	27.419	602.867	.507
675.1	8.2748	35.224	36.979	8.203	27.427	650.950	.807
723.5	8.2078	35.219	36.934	8.131	27.434	699.317	.759
770.7	8.1017	35.213	36.849	8.020	27.445	747.117	.950
818.2	7.9689	35.215	36.747	7.883	27.467	794.483	1.288
866.0	7.7564	35.204	36.560	7.666	27.490	842.133	1.366
913.7	7.6147	35.181	36.241	7.522	27.522	889.883	1.620
960.4	7.1312	35.170	35.988	7.035	27.554	937.067	1.619
1007.2	6.8812	35.158	35.766	6.782	27.580	983.817	1.460


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 19

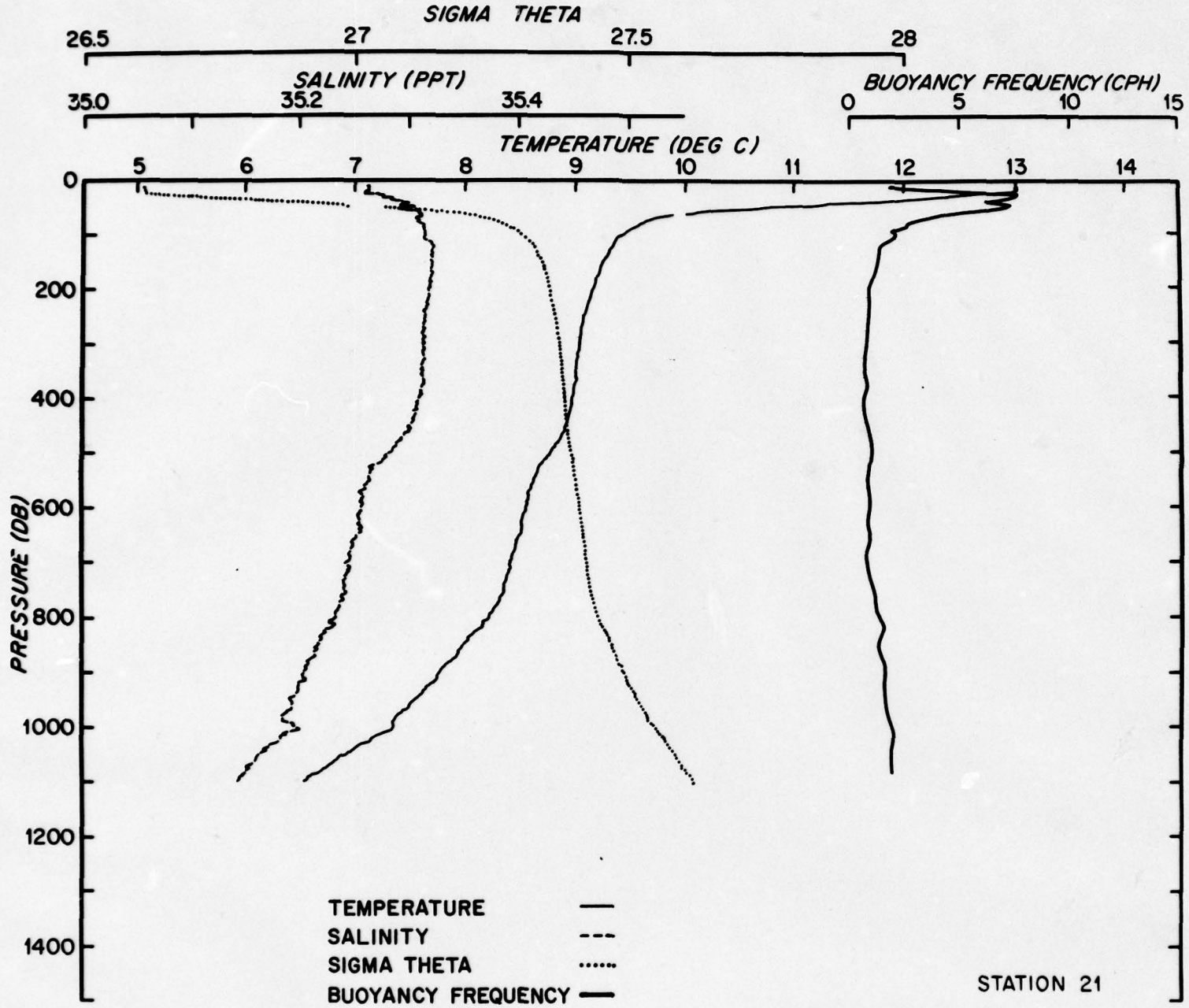
STATION 20

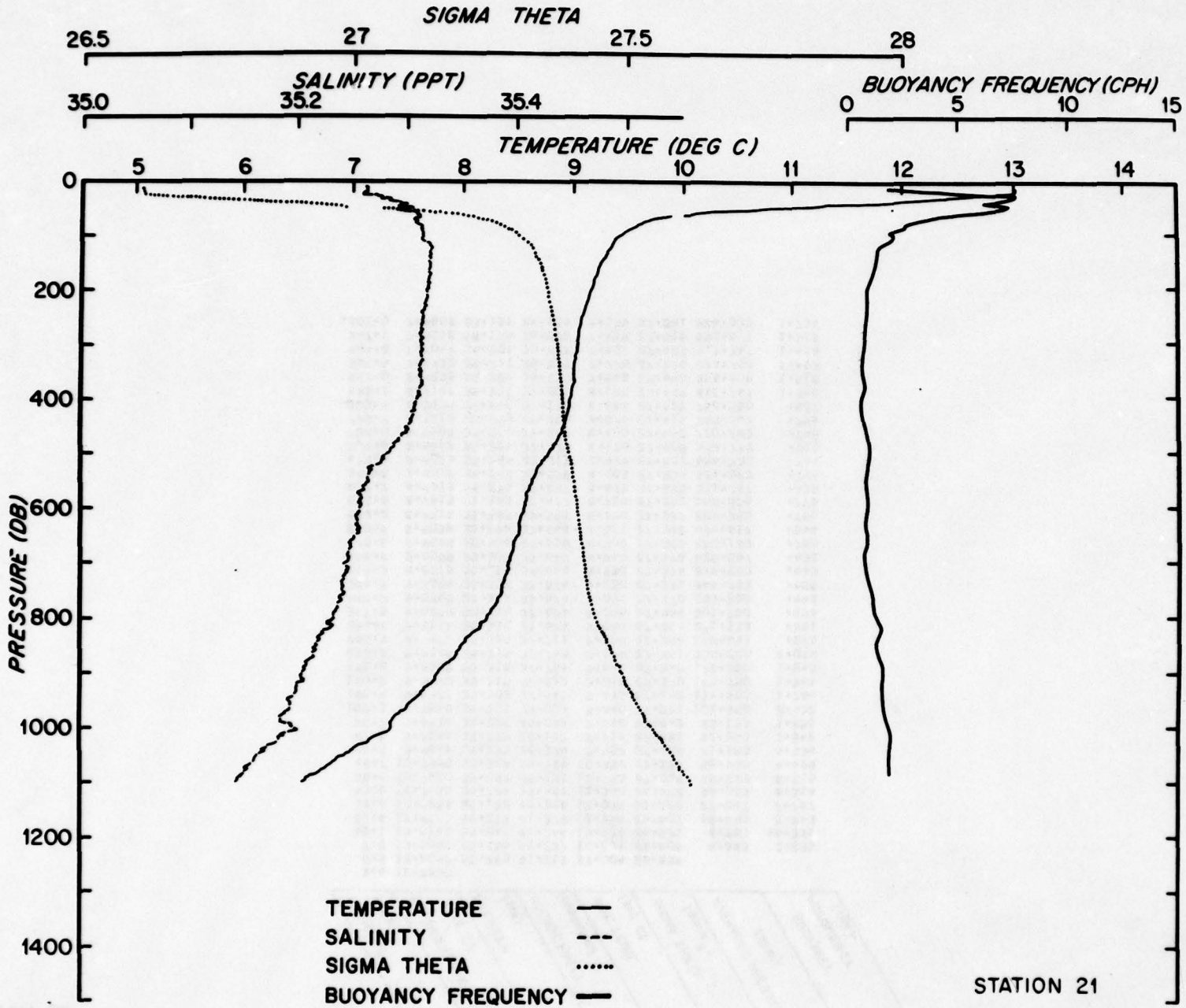
PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmhos/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
11.6	12.9352	35.213	41.126	12.934	26.588		
19.7	12.9132	35.207	41.102	12.910	26.586	15.667	.293
30.6	11.9599	35.295	39.885	11.956	26.919	25.167	9.793
41.0	10.9160	35.290	39.266	10.911	27.034	35.800	5.956
51.9	10.4256	35.239	38.751	10.419	27.083	46.417	3.773
62.6	10.2489	35.284	38.633	10.242	27.150	57.250	4.458
73.8	9.9165	35.272	38.308	9.908	27.197	68.217	3.669
84.3	9.8554	35.268	38.060	9.844	27.239	79.067	3.552
95.2	9.4589	35.269	37.879	9.448	27.272	89.783	3.133
106.2	9.1774	35.252	37.602	9.164	27.306	100.700	3.163
117.3	9.1489	35.269	37.596	9.136	27.323	111.733	2.255
127.9	9.1723	35.287	37.641	9.158	27.334	122.583	1.777
170.9	8.9128	35.262	37.391	8.894	27.356	149.367	1.327
214.7	8.7458	35.285	37.463	8.922	27.368	192.783	.964
258.7	8.8868	35.280	37.423	8.859	27.374	236.683	.705
301.7	8.8028	35.271	37.354	8.770	27.381	280.183	.756
344.6	8.7915	35.277	37.369	8.764	27.388	323.133	.755
387.7	8.4647	35.257	37.250	8.423	27.392	366.133	.681
431.5	8.6088	35.254	37.214	8.562	27.399	409.583	.748
475.0	8.5668	35.252	37.192	8.516	27.404	453.250	.675
519.9	8.5583	35.256	37.207	8.502	27.408	497.467	.584
564.4	8.5307	35.252	37.197	8.470	27.409	542.167	.412
609.4	8.4820	35.246	37.166	8.416	27.412	586.900	.591
654.9	8.4046	35.238	37.105	8.334	27.418	632.133	.696
701.1	8.3478	35.232	37.067	8.273	27.422	677.983	.665
746.3	8.3374	35.241	37.085	8.257	27.431	723.700	.804
792.2	8.0282	35.196	36.774	7.945	27.443	769.267	1.131
837.0	7.9708	35.205	36.748	7.883	27.459	814.617	1.105
882.8	7.7748	35.194	36.577	7.683	27.481	859.900	1.367
927.8	7.7467	35.192	36.380	7.451	27.511	905.300	1.573
972.1	7.7350	35.189	36.200	7.236	27.540	949.983	1.558


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 20

STATION 21

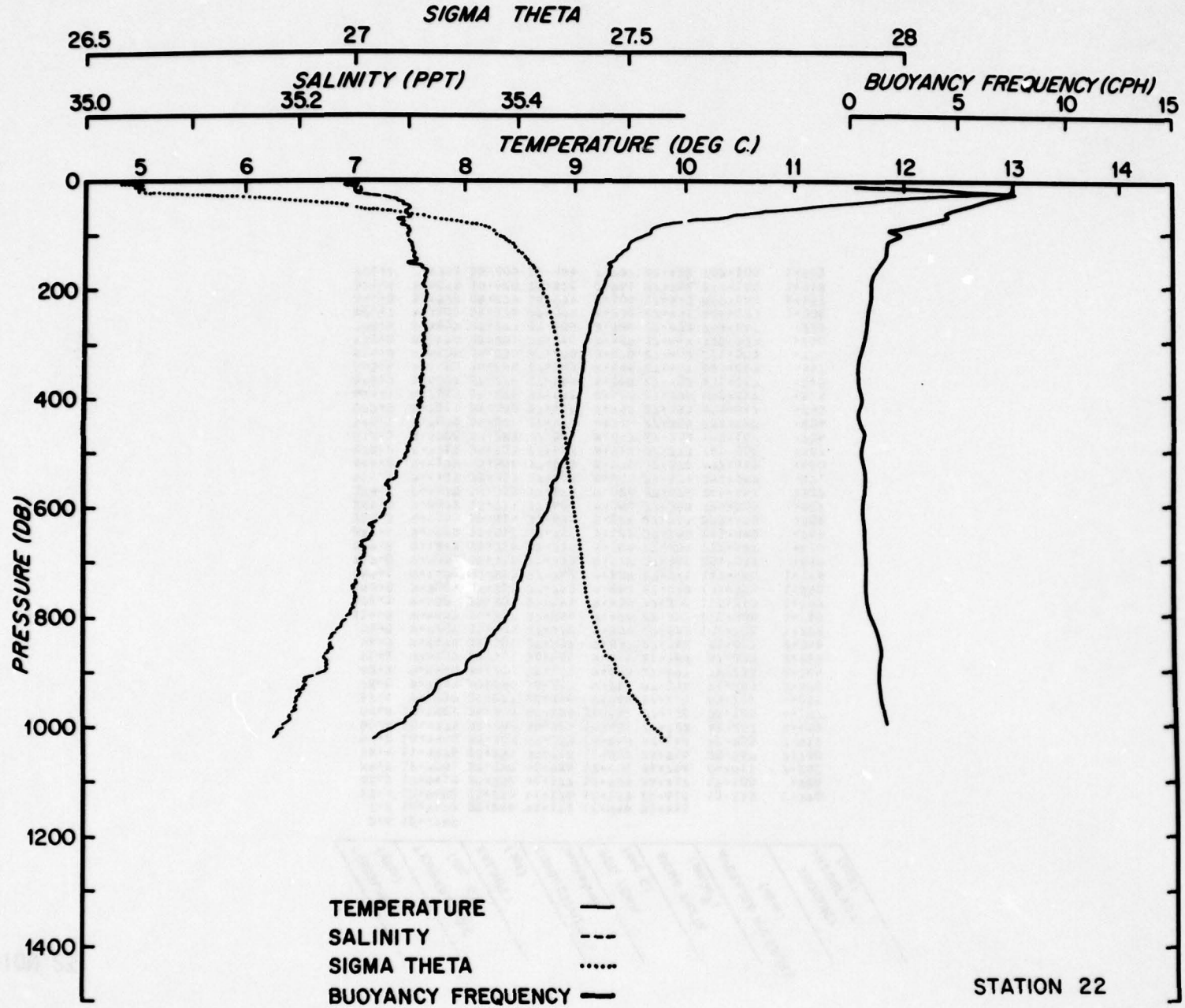
PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (millimho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
12.2	13.0283	35.280	41.264	13.027	26.606		
18.4	13.0081	35.262	41.251	13.006	26.611	15.333	1.690
25.6	12.7929	35.257	41.040	12.789	26.651	22.017	4.199
32.8	12.1941	35.274	40.479	12.190	26.781	29.200	7.580
40.1	11.6196	35.292	39.945	11.615	26.905	36.450	7.339
46.3	11.2221	35.294	39.566	11.216	26.981	43.367	6.070
54.6	10.4616	35.287	38.833	10.455	27.113	50.600	7.276
61.5	10.0839	35.309	38.498	10.077	27.197	58.050	6.189
68.7	9.9603	35.310	38.289	9.852	27.236	65.117	4.174
75.6	9.7014	35.308	38.138	9.693	27.261	72.150	3.418
83.2	9.6244	35.312	38.073	9.615	27.278	79.400	2.623
90.2	9.5433	35.312	37.999	9.533	27.292	86.717	2.534
97.4	9.5014	35.313	37.963	9.490	27.299	93.833	1.801
104.7	9.4428	35.311	37.909	9.431	27.308	101.083	1.993
111.6	9.4099	35.314	37.884	9.397	27.316	108.167	1.313
119.4	9.3893	35.319	37.873	9.376	27.323	115.483	1.736
126.2	9.3740	35.320	37.862	9.360	27.326	122.767	1.283
135.1	9.2864	35.318	37.790	9.269	27.339	140.650	1.221
144.1	9.2245	35.318	37.744	9.204	27.349	169.617	1.075
212.4	9.1869	35.316	37.720	9.163	27.354	198.250	.791
240.8	9.1399	35.314	37.686	9.113	27.360	226.617	.853
270.2	9.1014	35.311	37.660	9.072	27.364	255.517	.738
298.6	9.0799	35.311	37.653	9.047	27.367	284.383	.676
328.2	9.0694	35.312	37.657	9.033	27.370	313.367	.581
358.4	9.0434	35.309	37.643	9.004	27.372	343.283	.510
389.2	9.0249	35.310	37.640	8.982	27.376	373.800	.488
419.2	8.9940	35.306	37.620	8.948	27.377	404.200	.508
449.9	8.9489	35.299	37.585	8.899	27.379	434.550	.561
480.8	8.8692	35.288	37.513	8.816	27.383	465.367	.757
511.8	8.7668	35.275	37.418	8.711	27.389	496.333	.884
543.6	8.6779	35.261	37.335	8.619	27.393	527.700	.728
575.0	8.6285	35.256	37.298	8.566	27.397	559.300	.696
606.9	8.5870	35.254	37.271	8.521	27.402	590.967	.790
638.9	8.5578	35.252	37.256	8.488	27.405	622.917	.666
671.1	8.4992	35.247	37.210	8.427	27.410	655.033	.795
703.0	8.4548	35.241	37.177	8.379	27.413	687.067	.597
735.7	8.4118	35.238	37.148	8.332	27.417	719.333	.735
767.5	8.3615	35.238	37.115	8.279	27.425	751.600	.956
800.4	8.2665	35.232	37.034	8.180	27.435	783.967	1.084
833.9	8.0747	35.217	36.885	7.986	27.452	817.150	1.416
867.0	7.9803	35.213	36.777	7.889	27.463	850.433	1.135
901.1	7.8683	35.203	36.622	7.774	27.481	884.050	1.423
933.4	7.6692	35.198	36.502	7.572	27.498	917.267	1.409
966.3	7.5231	35.192	36.375	7.424	27.515	949.833	1.393
998.6	7.3881	35.196	36.267	7.286	27.538	982.450	1.602
1032.1	7.0772	35.172	35.970	6.974	27.563	1015.37	1.757
1065.4	6.8277	35.156	35.740	6.723	27.585	1048.77	1.653
1096.5	6.6082	35.144	35.540	6.502	27.607	1080.95	1.657


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 21


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
0
200
400
600
800
1000
1200
1400
PRESSURE (DB)
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 21

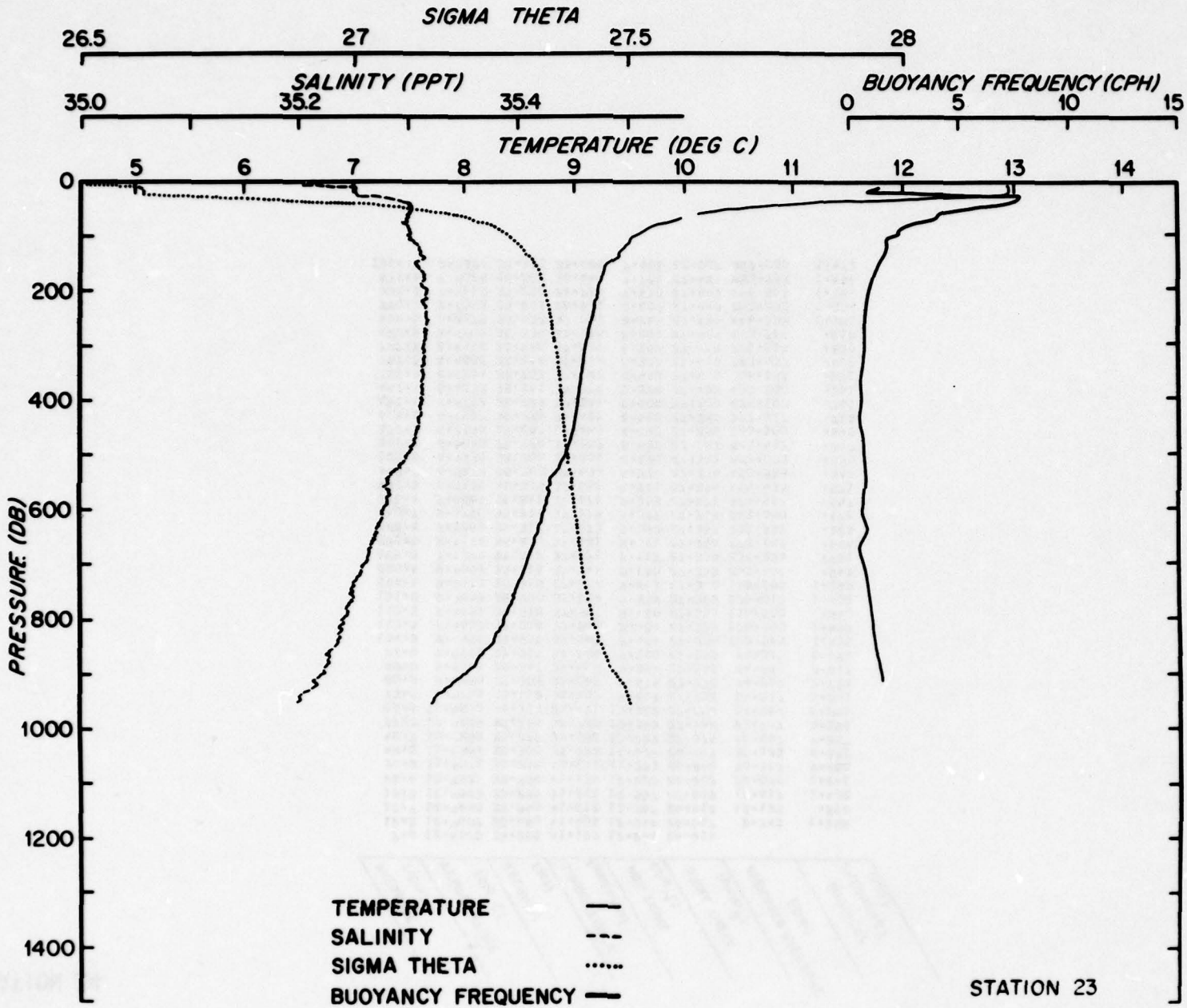
STATION 22

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
3.6	12.7692						
5.5	13.0047	35.240	41.219	13.004	26.595		
7.8	13.0068	35.254	41.237	13.006	26.606	6.683	3.835
10.1	13.0266	35.241	41.244	13.025	26.591	8.983	-4.399
21.6	12.9993	35.257	41.239	12.996	26.609	15.850	2.243
32.6	12.0279	35.282	40.326	12.024	26.820	27.067	7.797
43.6	11.3450	35.294	39.684	11.340	26.959	38.083	6.314
55.0	10.7620	35.297	39.131	10.755	27.068	49.283	5.516
65.7	10.3995	35.302	38.794	10.392	27.136	60.350	4.499
76.6	9.9611	35.295	38.374	9.952	27.208	71.150	4.594
87.5	9.7244	35.299	38.157	9.714	27.251	82.050	3.542
98.7	9.6534	35.298	38.094	9.642	27.262	93.133	1.850
109.0	9.5519	35.301	38.004	9.540	27.281	103.850	2.432
120.8	9.4971	35.303	37.960	9.483	27.292	114.900	1.764
140.7	9.3279	35.315	37.829	9.310	27.330	140.750	1.744
192.2	9.2659	35.315	37.784	9.245	27.340	176.450	1.045
223.8	9.2035	35.315	37.740	9.179	27.351	208.000	1.086
255.9	9.1578	35.315	37.711	9.129	27.358	239.833	.898
286.4	9.1174	35.315	37.686	9.086	27.364	271.133	.851
317.5	9.0899	35.314	37.674	9.055	27.368	301.950	.698
348.9	9.0769	35.313	37.674	9.038	27.370	333.200	.443
380.7	9.0624	35.312	37.674	9.020	27.371	364.783	.459
413.3	9.0379	35.311	37.664	8.992	27.374	396.983	.643
445.9	9.0099	35.307	37.648	8.960	27.375	429.567	.422
478.5	8.9548	35.301	37.605	8.902	27.380	462.183	.750
510.7	8.9078	35.294	37.568	8.851	27.382	494.617	.546
543.2	8.8514	35.289	37.525	8.792	27.387	526.950	.790
575.8	8.7913	35.283	37.477	8.728	27.392	559.500	.775
607.7	8.7413	35.276	37.437	8.675	27.395	591.767	.635
640.5	8.6728	35.268	37.379	8.603	27.399	624.083	.756
673.0	8.6026	35.259	37.319	8.529	27.403	656.733	.761
704.6	8.5468	35.254	37.276	8.470	27.409	688.783	.810
737.0	8.5003	35.251	37.243	8.420	27.413	720.783	.749
769.7	8.4613	35.250	37.220	8.378	27.418	753.367	.796
802.4	8.3699	35.240	37.139	8.283	27.425	786.050	.927
835.2	8.2188	35.229	37.001	8.129	27.439	818.767	1.306
868.0	8.0538	35.222	36.855	7.962	27.460	851.600	1.515
901.4	7.8732	35.211	36.691	7.778	27.478	884.700	1.469
934.2	7.7047	35.201	36.538	7.607	27.495	917.767	1.416
967.1	7.5382	35.195	36.392	7.439	27.515	950.617	1.518
1001.0	7.2803	35.181	36.154	7.179	27.541	984.033	1.734


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C.)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 22

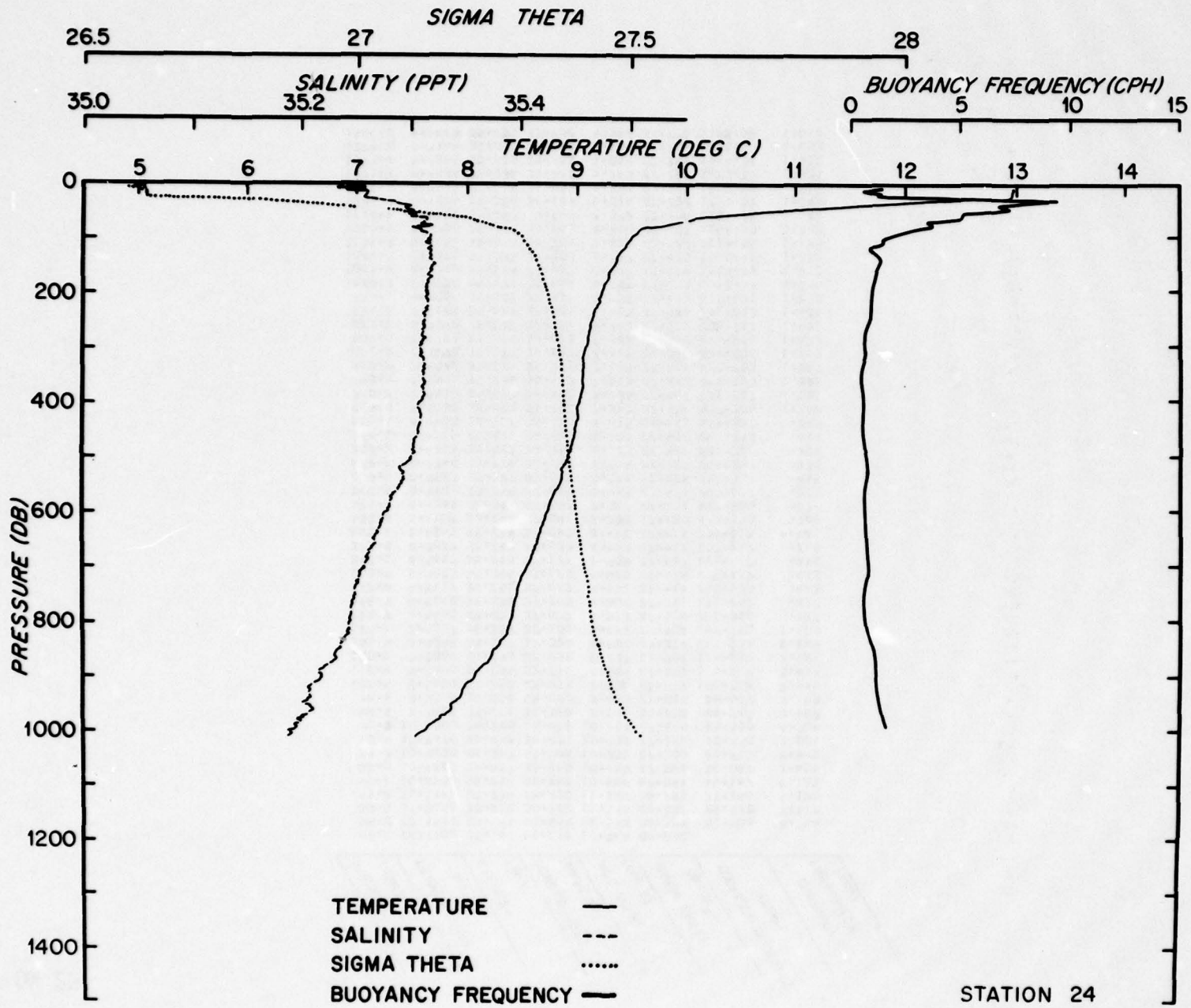
STATION 23

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
3.8	12.4767						
7.2	12.9472	35.246	41.171	12.946	26.611		
13.3	12.9452	35.250	41.176	12.943	26.615	10.233	1.390
20.9	12.9412	35.252	41.177	12.938	26.617	17.100	.925
28.7	12.2951	35.282	40.584	12.291	26.768	24.817	7.865
36.4	11.5876	35.296	39.916	11.583	26.915	32.567	7.740
44.2	10.8940	35.303	39.259	10.889	27.048	40.300	7.411
52.4	10.4375	35.302	38.824	10.431	27.129	48.267	5.602
59.8	10.1989	35.300	38.598	10.192	27.170	56.100	4.157
67.6	9.9539	35.297	38.365	9.946	27.210	63.717	4.081
75.2	9.7943	35.298	38.217	9.786	27.238	71.383	3.421
83.3	9.6944	35.300	38.128	9.685	27.257	79.233	2.704
91.2	9.6239	35.301	38.065	9.614	27.269	87.233	2.289
98.9	9.5678	35.301	37.997	9.537	27.282	95.017	2.346
106.5	9.5209	35.305	37.978	9.509	27.289	102.700	1.722
114.5	9.4889	35.307	37.954	9.476	27.297	110.500	1.765
122.1	9.4524	35.309	37.924	9.439	27.305	118.283	1.797
153.8	9.3004	35.307	37.792	9.283	27.328	137.950	1.560
185.1	9.2480	35.312	37.762	9.228	27.341	169.450	1.156
217.0	9.2032	35.312	37.733	9.179	27.348	201.033	.888
248.8	9.1869	35.316	37.736	9.159	27.354	232.867	.819
281.4	9.1519	35.315	37.717	9.121	27.359	265.083	.769
313.5	9.1097	35.314	37.690	9.078	27.365	297.433	.802
345.5	9.0878	35.314	37.684	9.050	27.369	329.500	.677
378.2	9.0679	35.313	37.679	9.026	27.371	361.867	.527
411.2	9.0439	35.311	37.669	8.998	27.374	394.683	.591
444.2	9.0199	35.308	37.658	8.971	27.378	427.683	.460
478.2	8.9718	35.303	37.623	8.919	27.379	461.200	.687
512.1	8.8998	35.293	37.561	8.843	27.383	495.167	.704
545.5	8.8092	35.281	37.479	8.749	27.388	528.817	.806
579.5	8.7813	35.282	37.468	8.718	27.393	562.517	.745
614.1	8.7363	35.276	37.435	8.669	27.395	596.817	.575
648.9	8.6697	35.272	37.384	8.599	27.403	631.517	.915
683.6	8.6190	35.263	37.343	8.544	27.404	666.267	.467
718.5	8.5535	35.255	37.290	8.475	27.408	701.050	.731
752.2	8.4898	35.251	37.240	8.408	27.414	735.333	.860
786.4	8.4207	35.247	37.186	8.335	27.422	769.267	.936
821.7	8.3203	35.238	37.099	8.232	27.431	804.033	1.000
856.8	8.1998	35.229	36.993	8.108	27.443	839.233	1.152
891.6	8.0558	35.225	36.870	7.961	27.462	874.183	1.418
926.6	7.8353	35.209	36.664	7.738	27.482	909.100	1.503


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 23

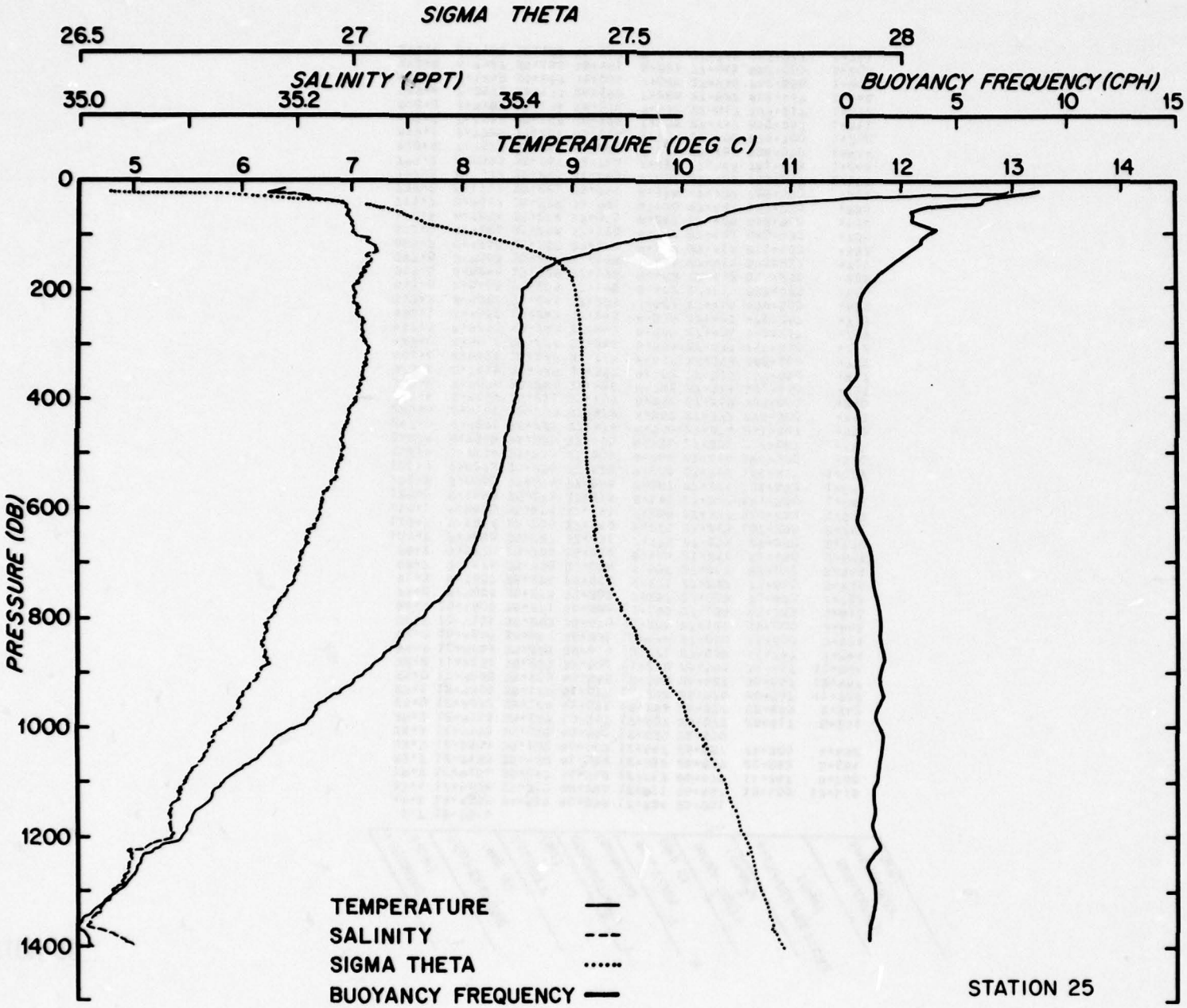
STATION 24

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
7.0	12.9672	35.255	41.199	12.966	26.614		
12.5	12.9697	35.260	41.209	12.968	26.617	9.783	1.352
17.7	12.9696	35.260	41.212	12.967	26.618	15.133	.526
19.5	12.9593	35.259	41.201	12.957	26.619	18.617	1.402
26.6	12.9331	35.256	41.176	12.929	26.622	23.050	1.241
34.3	11.9371	35.285	40.242	11.933	26.840	30.467	9.450
42.0	11.4346	35.300	39.776	11.429	26.947	38.183	6.640
49.7	10.7288	35.297	39.098	10.723	27.074	45.867	7.257
57.7	10.3499	35.298	38.739	10.343	27.142	53.717	5.196
65.6	10.0800	35.313	38.471	10.042	27.206	61.667	5.086
73.0	9.8750	35.312	38.307	9.867	27.235	69.317	3.551
80.9	9.6235	35.302	38.061	9.614	27.270	76.967	3.755
89.0	9.5644	35.312	38.018	9.554	27.288	84.950	2.677
97.0	9.4213	35.317	37.986	9.510	27.299	93.017	2.096
104.9	9.4955	35.318	37.965	9.484	27.304	100.983	1.415
112.5	9.4669	35.318	37.942	9.454	27.309	108.700	1.489
120.5	9.4436	35.315	37.921	9.430	27.311	116.500	.840
181.8	9.3559	35.320	37.856	9.339	27.329	136.017	1.402
186.1	9.2615	35.315	37.777	9.241	27.340	168.800	1.063
220.8	9.2094	35.315	37.744	9.185	27.349	203.467	.949
255.8	9.1399	35.312	37.691	9.112	27.358	238.333	.951
290.5	9.1134	35.312	37.681	9.081	27.362	273.167	.656
325.4	9.0880	35.312	37.673	9.052	27.367	307.933	.688
360.7	9.0770	35.312	37.679	9.037	27.369	343.050	.472
396.4	9.0564	35.311	37.674	9.012	27.371	378.567	.567
432.8	9.0289	35.309	37.662	8.981	27.374	414.433	.571
468.7	8.9878	35.303	37.634	8.936	27.376	450.583	.542
505.4	8.9438	35.300	37.606	8.888	27.381	487.033	.690
541.6	8.8848	35.296	37.562	8.825	27.387	523.417	.817
578.7	8.7988	35.282	37.484	8.735	27.390	560.100	.640
616.1	8.7327	35.274	37.431	8.668	27.395	597.417	.728
652.1	8.6718	35.269	37.384	8.600	27.400	634.100	.761
687.7	8.6033	35.261	37.328	8.528	27.405	669.900	.765
722.6	8.5214	35.253	37.259	8.443	27.412	705.133	.892
757.5	8.4808	35.249	37.232	8.398	27.415	740.033	.622
792.9	8.4448	35.246	37.211	8.359	27.418	775.217	.650
828.6	8.3709	35.239	37.150	8.281	27.424	810.767	.818
864.5	8.2575	35.232	37.053	8.164	27.436	846.533	1.151
900.2	8.1028	35.218	36.911	8.007	27.449	882.350	1.203
936.5	7.9693	35.210	36.794	7.870	27.463	918.367	1.224
971.4	7.8028	35.202	36.646	7.701	27.481	953.933	1.436
1006.6	7.5656	35.190	36.429	7.461	27.507	989.000	1.672


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 24

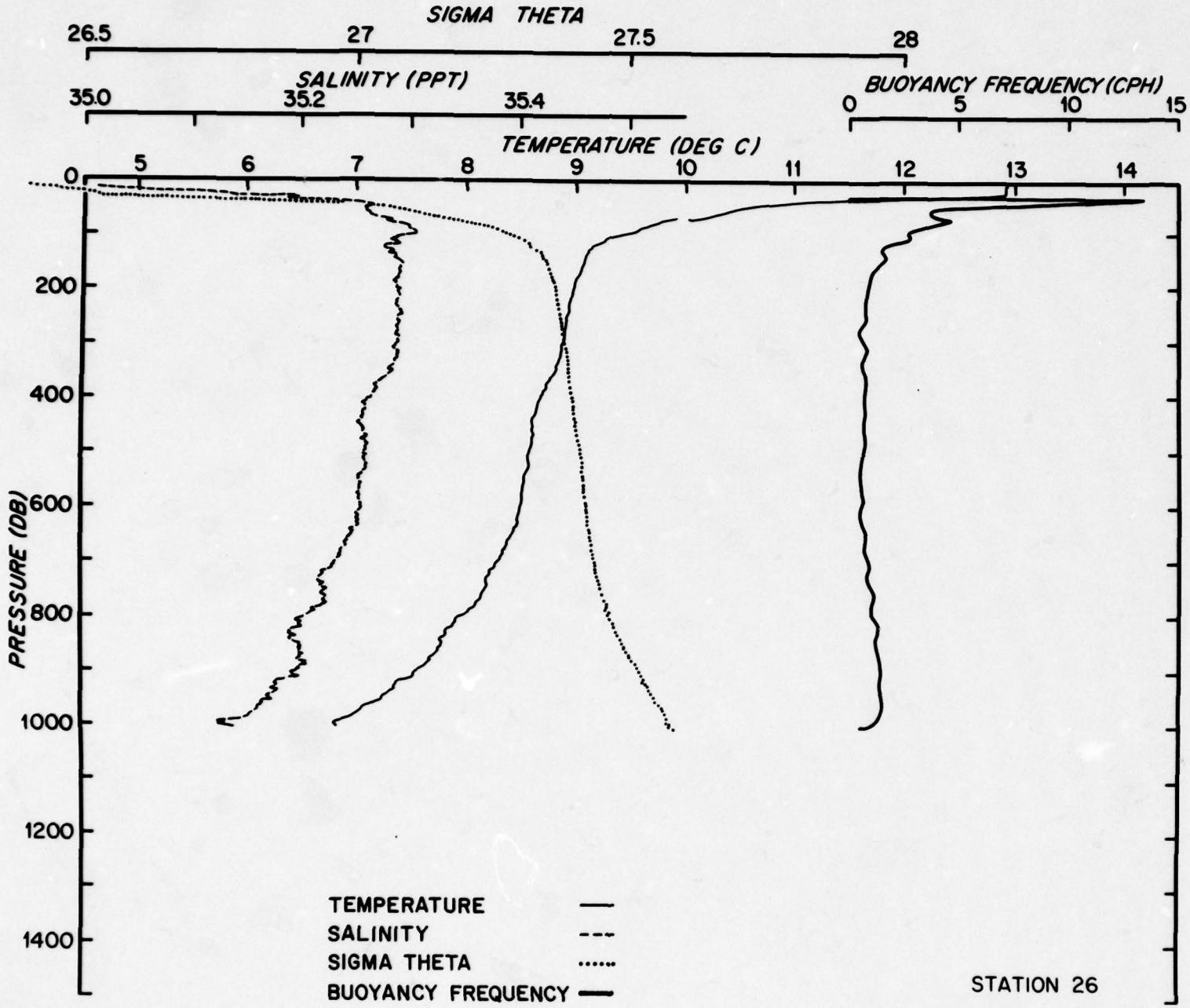
STATION 25

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
19.2	12.9702	35.189	41.139	12.968	26.562		
25.2	12.1763	35.174	40.356	12.173	26.708	22.200	8.756
33.5	11.5480	35.212	39.792	11.544	26.857	29.333	7.573
41.2	11.1341	35.234	39.420	11.129	26.951	37.350	6.190
49.1	10.6750	35.247	38.995	10.669	27.044	45.167	6.125
57.0	10.4725	35.247	38.805	10.466	27.080	53.067	3.806
64.7	10.3630	35.247	38.705	10.355	27.100	60.850	2.892
72.4	10.2479	35.249	38.601	10.239	27.122	68.550	3.004
80.8	10.1220	35.250	38.485	10.113	27.144	76.600	2.934
88.8	9.9519	35.251	38.328	9.942	27.175	84.767	3.487
96.6	9.7059	35.250	38.097	9.695	27.216	92.667	4.119
104.5	9.5420	35.258	37.952	9.530	27.249	100.550	3.666
112.5	9.3990	35.264	37.826	9.386	27.278	108.517	3.412
120.5	9.2504	35.270	37.695	9.237	27.308	116.500	3.424
191.4	8.8238	35.267	37.303	8.804	27.374	135.933	2.649
184.1	8.6027	35.257	37.100	8.583	27.402	167.750	1.659
215.9	8.5463	35.253	37.057	8.523	27.408	200.000	.827
248.3	8.5348	35.255	37.063	8.509	27.411	232.067	.577
279.5	8.5413	35.261	37.089	8.512	27.414	263.900	.663
310.7	8.5583	35.266	37.123	8.525	27.416	295.117	.413
342.1	8.5617	35.265	37.121	8.505	27.417	326.417	.483
373.8	8.5087	35.260	37.100	8.469	27.419	357.967	.506
405.4	8.4843	35.254	37.085	8.441	27.418	389.617	-.161
438.8	8.4395	35.247	37.051	8.393	27.420	422.100	.506
471.6	8.4069	35.244	37.032	8.357	27.422	455.200	.577
505.6	8.3922	35.244	37.033	8.338	27.424	488.617	.512
539.4	8.3523	35.237	37.005	8.295	27.425	522.517	.445
574.2	8.2748	35.226	36.937	8.214	27.429	556.833	.685
609.2	8.2369	35.223	36.914	8.172	27.432	591.700	.604
644.6	8.1749	35.211	36.861	8.107	27.432	626.883	.444
680.1	8.0968	35.207	36.800	8.025	27.441	662.367	.975
714.5	7.9937	35.203	36.715	7.919	27.454	697.300	1.162
748.7	7.8658	35.193	36.600	7.788	27.468	731.567	1.131
783.6	7.6961	35.184	36.449	7.615	27.483	766.133	1.395
818.2	7.4978	35.174	36.271	7.415	27.505	800.883	1.527
852.9	7.3498	35.173	36.147	7.264	27.525	835.550	1.463
887.6	7.1762	35.175	36.003	7.088	27.552	870.250	1.672
923.9	6.9532	35.159	35.798	6.862	27.571	905.717	1.451
958.2	6.7122	35.149	35.581	6.619	27.596	941.033	1.684
993.1	6.4501	35.139	35.437	6.455	27.610	975.633	1.278
1028.3	6.2950	35.126	35.206	6.198	27.634	1010.67	1.656
1063.6	6.0726	35.114	35.007	5.974	27.654	1045.93	1.513
1097.9	5.8470	35.099	34.802	5.747	27.671	1080.77	1.473
1131.8	5.7256	35.096	34.702	5.623	27.684	1114.85	1.225
1164.9	5.5705	35.088	34.568	5.466	27.697	1148.33	1.309
1198.4	5.4786	35.087	34.498	5.372	27.708	1181.63	1.144
1232.8	5.1234	35.052	34.159	5.016	27.723	1215.57	1.545
1266.3	5.0444	35.048	34.098	4.935	27.729	1249.55	.913
1301.2	4.8534	35.036	33.929	4.743	27.742	1283.75	1.308
1335.6	4.6546	35.023	33.753	4.542	27.754	1318.38	1.335
1370.2	4.5666	35.023	33.688	4.452	27.764	1352.90	1.102
1401.0	4.6413	35.051	33.792	4.523	27.778	1385.62	1.068


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 25

STATION 26

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
5.7	15.7546						
6.8	12.9352	34.519	40.399	12.934	26.051		
13.4	12.9132	35.012	40.896	12.911	26.437	10.100	13.518
19.3	12.9156	35.067	40.959	12.913	26.479	16.367	4.780
25.3	12.9155	35.132	41.029	12.912	26.529	22.283	5.154
29.3	12.8506	35.151	40.987	12.847	26.557	27.300	4.632
28.3	12.8392	35.165	40.990	12.835	26.570		
29.3	12.8106	35.169	40.967	12.807	26.579	28.817	5.231
28.0	12.8972	35.189	41.071	12.893	26.577	28.683	2.342
29.1	12.9018	35.189	41.077	12.898	26.576	28.567	-1.329
31.0	12.3865	35.200	40.588	12.382	26.687	30.067	13.457
38.2	11.2150	35.239	39.501	11.210	26.940	34.617	10.584
45.3	10.6769	35.265	39.014	10.671	27.058	41.767	7.248
52.3	10.4845	35.282	38.830	10.478	27.090	48.800	3.824
59.7	10.3131	35.263	38.670	10.306	27.121	56.000	3.648
66.9	10.1609	35.271	38.536	10.153	27.154	63.333	3.818
74.0	9.9058	35.278	38.303	9.897	27.203	70.450	4.728
81.3	9.7807	35.296	38.205	9.771	27.239	77.650	3.935
88.7	9.6474	35.300	38.086	9.637	27.265	85.033	3.343
96.2	9.5770	35.306	38.028	9.566	27.281	92.450	2.653
103.7	9.3850	35.287	37.831	9.373	27.299	99.950	2.738
110.7	9.2877	35.288	37.743	9.275	27.315	107.233	2.762
118.1	9.2690	35.294	37.734	9.256	27.323	114.433	1.809
125.0	9.1593	35.276	37.616	9.144	27.327	121.550	1.483
132.3	9.0980	35.294	37.588	9.081	27.351	128.633	1.692
140.3	9.0273	35.290	37.530	9.008	27.360	136.317	1.029
208.4	8.9884	35.290	37.506	8.966	27.366	194.350	.870
235.8	8.9569	35.290	37.488	8.931	27.371	222.067	.797
262.0	8.9288	35.291	37.474	8.900	27.376	248.867	.852
289.8	8.9149	35.289	37.472	8.883	27.377	275.900	.442
317.4	8.8868	35.291	37.459	8.852	27.383	303.600	.840
345.9	8.8298	35.281	37.409	8.792	27.384	331.650	.538
373.8	8.7418	35.269	37.327	8.701	27.389	359.850	.807
402.6	8.6828	35.262	37.278	8.639	27.393	388.200	.732
429.0	8.6402	35.258	37.246	8.594	27.397	415.800	.762
457.5	8.6240	35.260	37.245	8.575	27.401	443.217	.712
485.1	8.6082	35.263	37.245	8.556	27.405	471.267	.779
513.9	8.5828	35.261	37.233	8.527	27.408	499.500	.621
541.0	8.5408	35.255	37.199	8.482	27.410	527.483	.566
569.5	8.5240	35.255	37.196	8.463	27.412	555.250	.608
597.0	8.5087	35.257	37.195	8.444	27.416	583.217	.709
625.9	8.4768	35.252	37.174	8.409	27.418	611.433	.557
655.0	8.4126	35.245	37.120	8.342	27.422	640.433	.790
682.8	8.3554	35.238	37.071	8.282	27.425	668.900	.696
711.7	8.2658	35.229	36.991	8.190	27.432	697.250	.980
739.2	8.1943	35.221	36.929	8.116	27.437	725.450	.876
767.5	8.1389	35.225	36.893	8.057	27.449	753.367	1.196
795.8	8.0033	35.207	36.763	7.919	27.456	781.633	1.048
820.3	7.8572	35.196	36.626	7.771	27.469	808.050	1.444
849.1	7.7928	35.201	36.584	7.704	27.483	834.700	1.302
875.7	7.6857	35.199	36.494	7.595	27.497	862.367	1.411
902.2	7.5457	35.194	36.370	7.453	27.513	888.917	1.517
929.6	7.3573	35.177	36.190	7.263	27.527	915.867	1.446
955.5	7.1843	35.169	36.034	7.088	27.546	942.550	1.660
980.9	6.9987	35.155	35.861	6.901	27.561	968.000	1.602
995.4	6.8106	35.126	35.667	6.713	27.564	987.917	1.261


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 26

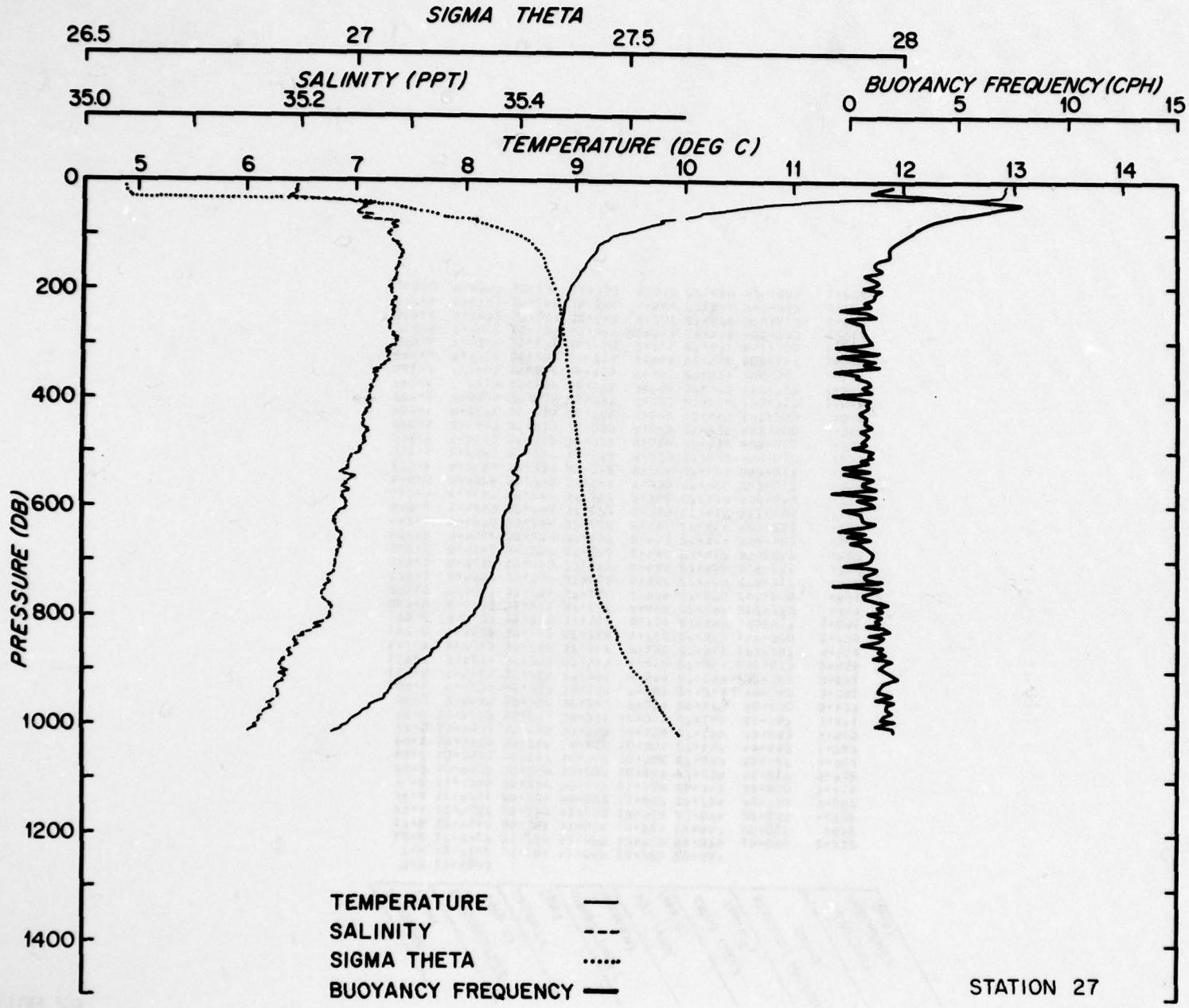
STATION 27

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
757.4	8.1735	35.221	36.917	8.093	27.440	754.467	.552
763.1	8.1705	35.221	36.917	8.089	27.441	760.250	.716
770.4	8.1655	35.225	36.919	8.083	27.444	766.733	1.298
775.0	8.1636	35.230	36.924	8.081	27.449	772.667	1.739
781.2	8.1521	35.231	36.917	8.069	27.451	778.083	1.220
786.6	8.1245	35.229	36.892	8.041	27.454	783.883	1.436
792.7	8.1155	35.229	36.886	8.031	27.455	789.633	.772
798.3	8.0897	35.228	36.863	8.005	27.458	795.500	1.441
803.7	8.0656	35.225	36.841	7.980	27.460	801.017	1.095
808.1	8.0435	35.223	36.820	7.958	27.462	805.900	1.346
812.6	8.0074	35.216	36.782	7.922	27.462	810.350	.672
818.9	7.9779	35.216	36.757	7.892	27.466	815.767	1.533
824.8	7.9247	35.212	36.706	7.838	27.471	821.867	1.802
830.4	7.8744	35.202	36.653	7.788	27.471	827.600	.800
836.1	7.8695	35.207	36.655	7.782	27.475	833.233	1.552
842.4	7.8070	35.196	36.589	7.719	27.476	839.250	1.078
848.5	7.7949	35.194	36.578	7.707	27.476	845.467	.463
855.1	7.7861	35.197	36.576	7.697	27.480	851.833	1.407
860.9	7.7391	35.191	36.529	7.650	27.482	858.000	1.200
867.0	7.7195	35.193	36.515	7.630	27.487	863.950	1.595
872.7	7.7017	35.191	36.499	7.611	27.488	869.850	1.010
878.9	7.6255	35.184	36.424	7.535	27.493	875.767	1.890
885.1	7.5930	35.182	36.396	7.502	27.497	881.983	1.515
890.5	7.5760	35.182	36.382	7.484	27.499	887.817	1.263
896.6	7.5505	35.184	36.362	7.458	27.504	893.567	1.694
903.3	7.5301	35.189	36.351	7.437	27.512	899.950	1.916
909.1	7.4749	35.189	36.302	7.382	27.519	906.200	2.180
915.2	7.4205	35.184	36.250	7.327	27.524	912.133	1.712
922.2	7.3778	35.180	36.210	7.284	27.527	918.700	1.381
928.3	7.3560	35.179	36.191	7.262	27.529	925.283	1.194
934.8	7.3415	35.180	36.181	7.247	27.532	931.567	1.277
941.4	7.2985	35.181	36.145	7.203	27.539	938.117	1.886
947.8	7.2916	35.182	36.142	7.196	27.540	944.633	1.016
953.5	7.2174	35.175	36.070	7.121	27.546	950.683	1.981
959.3	7.1680	35.170	36.022	7.072	27.549	956.417	1.557
966.5	7.1574	35.175	36.020	7.060	27.554	962.917	1.586
972.1	7.0877	35.169	35.952	6.991	27.559	969.333	1.897
978.9	7.0537	35.167	35.922	6.956	27.563	975.517	1.431
984.0	7.0205	35.164	35.890	6.923	27.565	981.433	1.309
989.7	6.9737	35.163	35.848	6.876	27.571	986.817	2.004
996.4	6.9545	35.162	35.832	6.856	27.572	993.017	1.017
1003.7	6.9035	35.162	35.788	6.805	27.580	1000.03	1.892
1009.2	6.8245	35.153	35.710	6.726	27.584	1006.47	1.912

PRECEDING PAGE BLANK-NOT FILMED

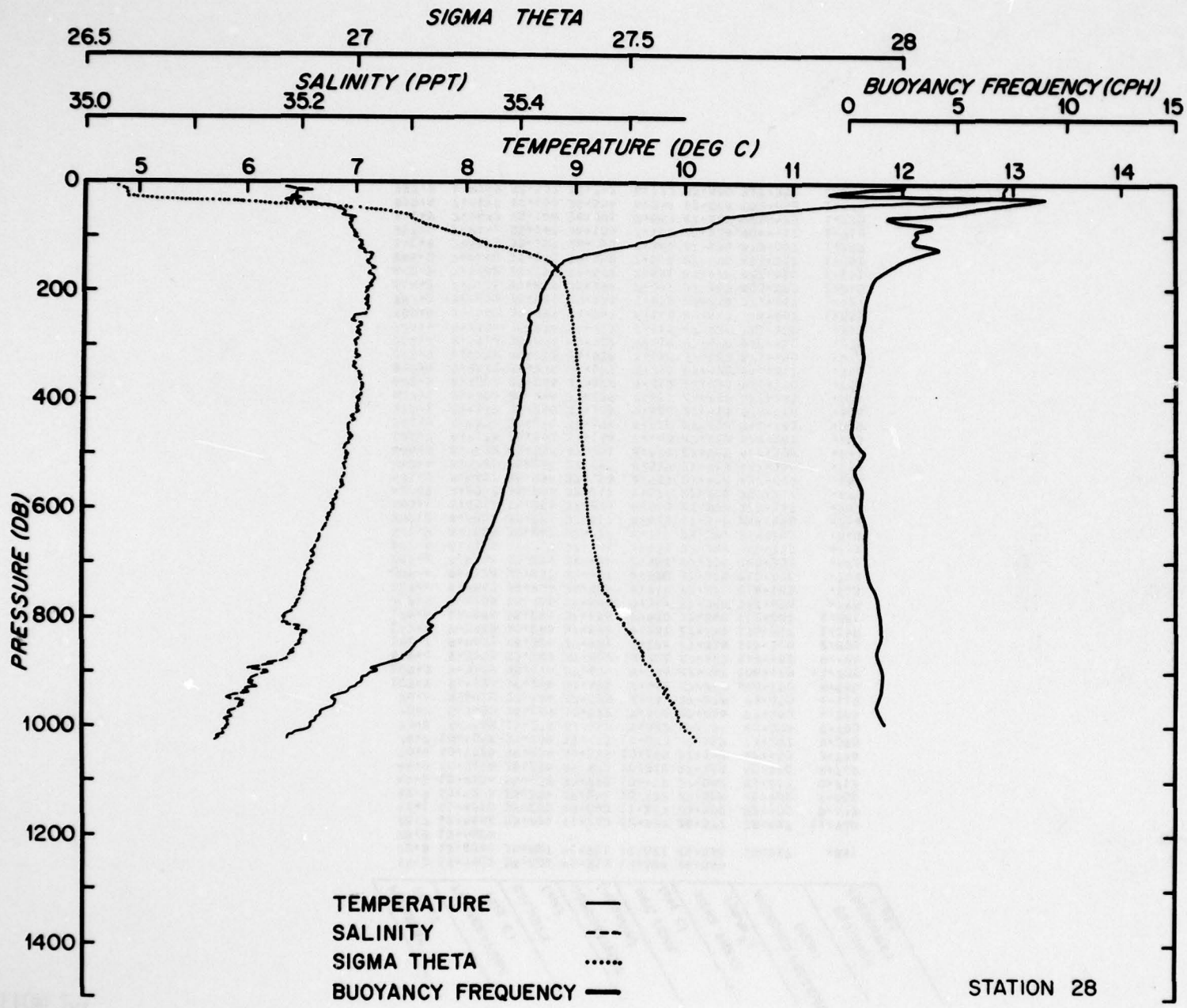
STATION 27

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
9.3	12.9315	35.195	41.103	12.930	26.575		
10.4	12.9245	35.195	41.096	12.923	26.576	9.850	1.948
29.4	12.8739	35.189	41.049	12.870	26.581	19.900	.978
56.7	10.3041	35.251	38.648	10.297	27.113	43.017	7.860
82.3	9.6613	35.283	38.079	9.652	27.249	69.500	4.111
108.8	9.2873	35.282	37.736	9.275	27.311	95.583	2.740
135.3	9.1854	35.292	37.661	9.171	27.335	122.083	1.733
142.2	9.1321	35.290	37.612	9.116	27.343	138.750	1.879
148.2	9.1115	35.289	37.594	9.095	27.345	145.200	1.136
154.6	9.0944	35.288	37.580	9.077	27.347	151.433	1.074
160.6	9.0780	35.288	37.567	9.060	27.350	157.617	1.195
167.8	9.0473	35.288	37.541	9.029	27.354	164.200	1.478
174.7	9.0385	35.286	37.534	9.019	27.355	171.267	.592
181.9	9.0095	35.284	37.508	8.990	27.358	178.317	1.176
188.9	8.9780	35.282	37.480	8.957	27.361	185.400	1.328
196.3	8.9605	35.280	37.464	8.939	27.362	192.600	.651
203.5	8.9472	35.283	37.458	8.925	27.367	199.917	1.446
210.2	8.9350	35.283	37.450	8.912	27.369	206.850	1.098
216.7	8.9445	35.288	37.466	8.921	27.372	213.417	1.094
224.1	8.9201	35.284	37.443	8.896	27.372	220.400	.620
231.1	8.9177	35.286	37.445	8.893	27.374	227.617	.956
238.6	8.9074	35.282	37.436	8.881	27.373	234.850	-.627
245.2	8.9065	35.284	37.440	8.880	27.375	241.883	.939
250.4	8.8915	35.284	37.428	8.864	27.377	247.767	1.213
257.0	8.8845	35.282	37.422	8.857	27.377	253.683	-.241
264.5	8.8750	35.281	37.416	8.846	27.377	260.767	.588
270.0	8.8735	35.282	37.417	8.844	27.378	267.283	.561
277.6	8.8749	35.283	37.423	8.845	27.379	273.833	.623
284.7	8.8775	35.285	37.430	8.847	27.380	281.183	.701
290.6	8.8890	35.289	37.448	8.857	27.381	287.683	.856
298.0	8.8714	35.288	37.434	8.839	27.383	294.317	1.031
304.4	8.8463	35.281	37.406	8.813	27.382	301.200	-.735
310.6	8.8236	35.277	37.384	8.790	27.382	307.500	.561
315.9	8.8289	35.282	37.396	8.795	27.385	313.267	1.327
323.3	8.8221	35.279	37.390	8.787	27.384	319.617	-.677
329.9	8.8199	35.282	37.393	8.784	27.386	326.600	1.150
336.2	8.7945	35.277	37.368	8.758	27.387	333.067	.567
343.5	8.7579	35.274	37.334	8.721	27.391	339.867	1.356
349.3	8.7476	35.270	37.323	8.710	27.389	346.383	-.863
356.2	8.7324	35.267	37.309	8.694	27.389	352.733	.398
362.2	8.7350	35.268	37.315	8.696	27.389	359.217	.236
369.7	8.7170	35.266	37.300	8.677	27.391	365.983	.916
374.6	8.7105	35.266	37.296	8.670	27.392	372.183	.845
381.8	8.7015	35.265	37.289	8.660	27.392	378.217	.473
388.7	8.6886	35.264	37.280	8.647	27.394	385.233	.974
395.6	8.6874	35.262	37.280	8.645	27.392	392.150	-.776
401.1	8.6744	35.261	37.269	8.631	27.394	398.350	.995
408.1	8.6684	35.261	37.266	8.624	27.394	404.600	.571
414.6	8.6765	35.264	37.280	8.632	27.396	411.350	.827
420.1	8.6630	35.262	37.267	8.618	27.396	417.317	.610
427.0	8.6435	35.258	37.248	8.597	27.396	423.533	.357
433.5	8.6385	35.258	37.247	8.592	27.397	430.250	.721
439.3	8.6279	35.257	37.238	8.581	27.398	436.417	.657
445.4	8.6235	35.257	37.236	8.575	27.398	442.383	.588
451.8	8.6195	35.258	37.237	8.571	27.400	448.617	.954
458.5	8.6272	35.260	37.249	8.578	27.400	455.133	.410
464.8	8.6225	35.260	37.248	8.572	27.401	461.617	.836
470.8	8.6062	35.258	37.233	8.555	27.402	467.783	.697
476.6	8.6045	35.258	37.234	8.553	27.402	473.683	.463
483.1	8.6010	35.258	37.234	8.549	27.403	479.817	.717
488.7	8.5761	35.253	37.208	8.523	27.403	485.900	.193
494.3	8.5720	35.255	37.208	8.519	27.405	491.500	1.053
499.9	8.5599	35.253	37.198	8.506	27.406	497.067	.819
506.6	8.5170	35.247	37.154	8.463	27.407	503.217	.989
511.4	8.5015	35.244	37.138	8.447	27.407	508.983	.425
518.3	8.4965	35.244	37.137	8.441	27.408	514.833	.749
524.8	8.4931	35.242	37.135	8.437	27.408	521.550	-.442
530.8	8.4875	35.243	37.133	8.431	27.409	527.817	.902
534.8	8.4536	35.235	37.096	8.396	27.408	532.783	-.462
540.7	8.4949	35.245	37.146	8.437	27.409	537.750	.541
545.5	8.5070	35.250	37.165	8.448	27.411	543.133	1.093
553.1	8.4729	35.243	37.129	8.414	27.411	549.317	.512
559.0	8.4525	35.239	37.109	8.393	27.411	556.067	.596
564.6	8.4565	35.243	37.119	8.396	27.414	561.817	1.208
571.5	8.4495	35.238	37.111	8.388	27.411	568.050	-1.049
577.4	8.4384	35.239	37.104	8.376	27.414	574.467	1.185
584.4	8.4433	35.240	37.113	8.381	27.414	580.933	.289
590.6	8.4410	35.242	37.115	8.378	27.416	587.500	.997
596.3	8.4311	35.243	37.109	8.367	27.418	593.433	1.159
602.0	8.4230	35.241	37.102	8.358	27.417	599.150	-.473
608.7	8.3894	35.234	37.067	8.324	27.417	605.350	.449
614.1	8.3817	35.233	37.061	8.316	27.417	611.417	.527
620.7	8.3683	35.231	37.049	8.302	27.418	617.433	.593
625.5	8.3606	35.232	37.045	8.294	27.420	623.133	1.222
632.1	8.3606	35.233	37.049	8.293	27.421	628.817	.710
638.4	8.3739	35.235	37.066	8.306	27.420	635.250	-.592
643.2	8.3775	35.236	37.073	8.309	27.421	640.800	.714
650.2	8.3893	35.239	37.090	8.320	27.421	646.700	-.174
654.9	8.3834	35.239	37.087	8.313	27.422	652.567	.897
660.8	8.3734	35.237	37.078	8.303	27.422	657.467	-.080
667.4	8.3669	35.236	37.074	8.295	27.422	664.117	.508
673.3	8.3690	35.237	37.080	8.297	27.423	670.367	.727
678.9	8.3497	35.235	37.062	8.277	27.424	676.117	1.055
685.6	8.3315	35.234	37.046	8.258	27.426	682.250	.954
691.0	8.3230	35.234	37.041	8.249	27.427	688.267	.933
697.4	8.3155	35.233	37.036	8.241	27.428	694.183	.708
703.2	8.3099	35.232	37.032	8.235	27.428	700.283	-.395
709.8	8.2916	35.231	37.017	8.216	27.430	706.467	1.236
716.0	8.2859	35.232	37.015	8.209	27.432	712.867	.893
720.8	8.2705	35.229	37.000	8.193	27.432	718.400	.553
726.7	8.2537	35.226	36.984	8.176	27.432	723.783	.577
733.1	8.2398	35.229	36.976	8.161	27.436	729.933	1.460
738.4	8.2329	35.225	36.969	8.154	27.434	735.750	-1.012
744.2	8.2062	35.224	36.945	8.127	27.438	741.300	1.454
751.5	8.1815	35.222	36.923	8.101	27.440	747.883	1.051


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 27

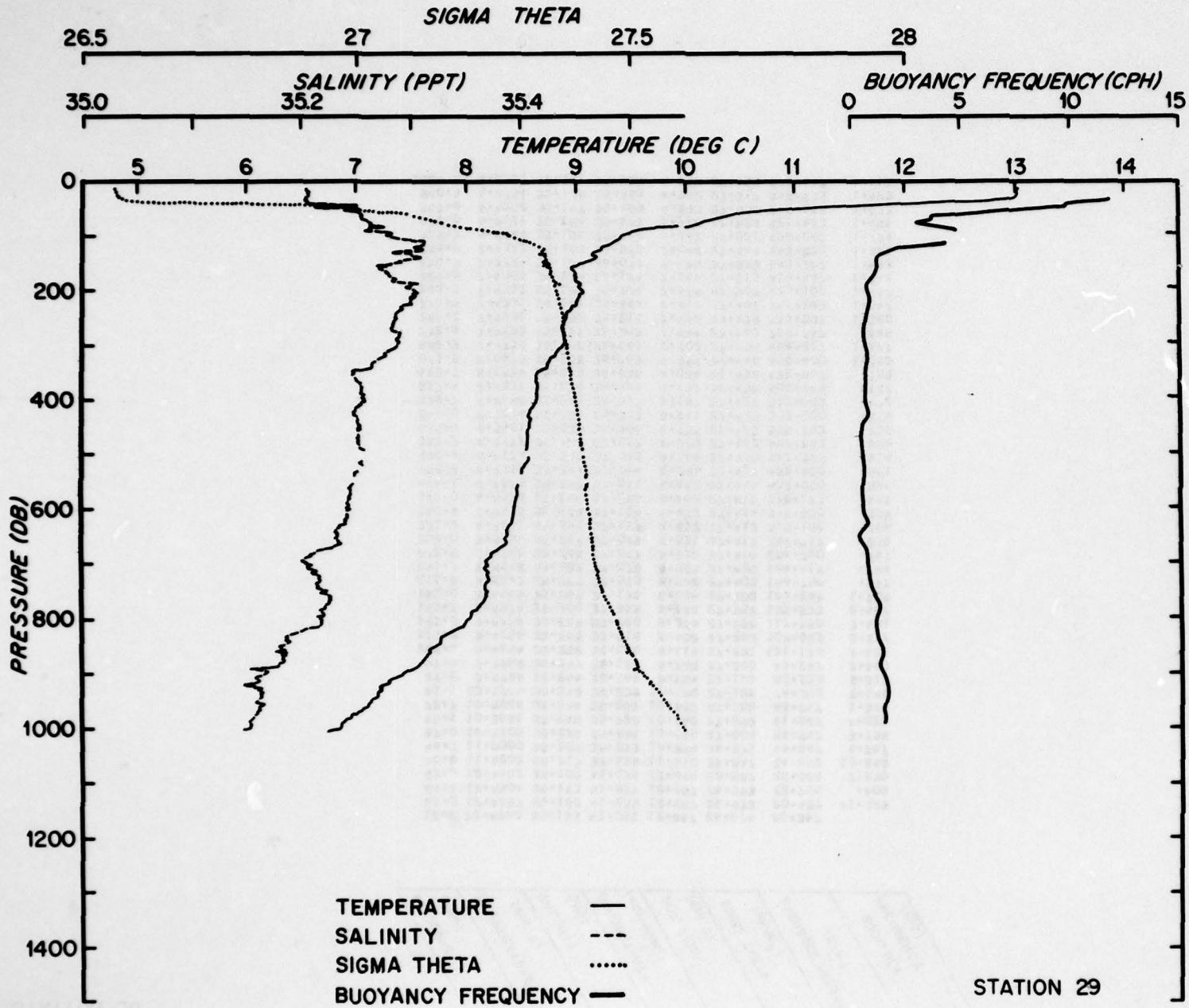
STATION 28

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
5.2	13.8002						
7.9	12.9262	35.184	41.085	12.925	26.567		
12.2	12.9207	35.194	41.093	12.919	26.576	10.050	2.632
17.8	12.9168	35.193	41.091	12.914	26.577	15.017	.432
26.6	12.9157	35.190	41.090	12.912	26.574	22.233	.937
34.8	11.8711	35.201	40.093	11.867	26.788	30.733	9.087
44.2	11.1346	35.232	39.419	11.129	26.949	39.500	7.414
52.3	10.6909	35.239	39.004	10.685	27.035	48.217	5.802
60.7	10.3690	35.247	38.708	10.362	27.099	56.467	4.908
69.1	10.3120	35.244	38.655	10.304	27.107	64.883	1.767
78.0	10.2072	35.243	38.559	10.198	27.124	73.550	2.525
85.5	10.0199	35.247	38.387	10.010	27.160	81.767	3.871
95.0	9.8645	35.250	38.246	9.854	27.189	90.250	3.139
103.2	9.7134	35.252	38.108	9.702	27.216	99.083	3.251
111.5	9.5903	35.255	37.998	9.578	27.239	107.367	2.991
119.7	9.4294	35.255	37.849	9.416	27.266	115.633	3.256
127.8	9.2043	35.264	37.649	9.190	27.311	123.767	4.208
140.0	8.8098	35.262	37.289	8.792	27.373	144.900	2.430
195.8	8.7103	35.260	37.209	8.689	27.387	178.917	1.201
229.3	8.6703	35.261	37.187	8.646	27.394	212.583	.844
261.9	8.6018	35.254	37.131	8.574	27.400	245.600	.801
298.0	8.5587	35.250	37.103	8.527	27.403	279.917	.616
332.3	8.5238	35.250	37.085	8.488	27.408	315.150	.749
369.3	8.5362	35.257	37.121	8.497	27.412	350.817	.623
406.9	8.5011	35.253	37.100	8.458	27.414	388.100	.504
443.6	8.4578	35.244	37.068	8.411	27.414	425.233	.289
479.2	8.4493	35.242	37.073	8.398	27.414	461.400	.156
512.0	8.4167	35.242	37.058	8.362	27.419	495.633	.797
546.0	8.3928	35.238	37.046	8.335	27.420	529.017	.318
579.8	8.3454	35.233	37.012	8.284	27.423	562.917	.672
611.4	8.2953	35.227	36.973	8.230	27.426	595.617	.634
645.2	8.2143	35.218	36.904	8.144	27.432	628.300	.838
680.1	8.1483	35.213	36.853	8.076	27.438	662.650	.845
714.4	8.0678	35.206	36.786	7.992	27.445	697.250	.882
747.0	8.0003	35.205	36.737	7.922	27.454	730.717	1.040
780.4	7.8218	35.195	36.575	7.741	27.473	763.717	1.459
811.7	7.7407	35.206	36.524	7.657	27.494	796.067	1.517
844.6	7.5508	35.201	36.356	7.464	27.518	828.167	1.620
878.6	7.2997	35.171	36.110	7.211	27.531	861.600	1.322
912.9	7.0541	35.157	35.884	6.964	27.555	895.733	1.646
946.4	6.7992	35.139	35.647	6.707	27.576	929.617	1.603
979.4	6.6781	35.140	35.550	6.583	27.594	962.867	1.397
1010.0	6.4357	35.132	35.333	6.340	27.620	994.683	1.828


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 28

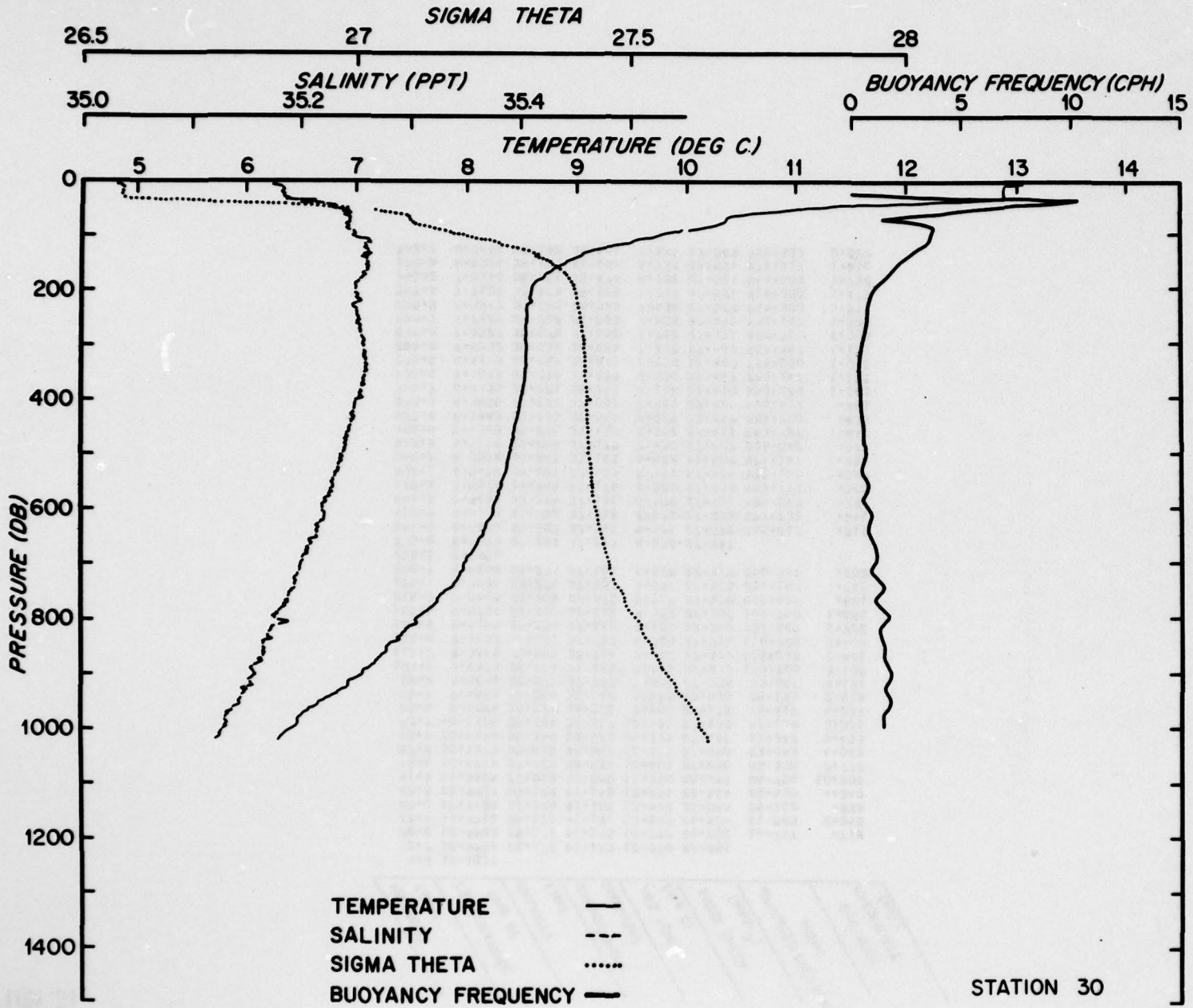
STATION 29

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
14.3	13.0302	35.206	41.213	13.028	26.364		
22.3	13.0240	35.207	41.211	13.021	26.365	18.317	.831
29.2	13.0026						
35.7	12.9442	35.201	41.133	12.939	26.377	32.467	11.969
43.1	11.8250	35.209	40.060	11.819	26.802	39.400	9.873
49.7	10.9278	35.254	39.246	10.922	27.005	46.400	9.809
57.3	10.4854	35.252	38.823	10.479	27.082	53.517	5.717
64.3	10.3194	35.255	38.670	10.312	27.113	60.800	3.766
70.6	10.1729	35.258	38.536	10.165	27.142	67.450	3.776
76.7	10.1015	35.265	38.478	10.093	27.159	73.667	3.050
83.8	9.9528	35.276	38.350	9.943	27.194	80.283	3.920
90.7	9.5683	35.259	37.972	9.558	27.246	87.250	4.964
96.6	9.4939	35.284	37.928	9.483	27.278	93.650	4.118
103.7	9.4130	35.286	37.856	9.401	27.293	100.150	2.594
109.3	9.3979	35.276	37.834	9.386	27.287	106.483	1.700
115.1	9.3350	35.308	37.809	9.322	27.323	112.183	4.464
122.7	9.2430	35.304	37.721	9.229	27.335	118.900	2.230
149.4	9.0989	35.288	37.582	9.082	27.346	136.067	1.199
176.4	8.9988	35.284	37.495	8.980	27.360	162.883	1.281
202.9	9.0709	35.306	37.596	9.049	27.365	189.650	.785
229.4	8.9743	35.294	37.506	8.949	27.371	216.183	.948
255.4	8.9178	35.287	37.457	8.890	27.375	242.400	.749
281.2	8.9182	35.291	37.474	8.888	27.378	268.300	.676
307.4	8.8673	35.285	37.431	8.834	27.382	294.333	.712
331.9	8.7528	35.267	37.317	8.717	27.386	319.650	.843
359.2	8.6503	35.251	37.217	8.612	27.389	345.550	.718
385.1	8.6518	35.256	37.236	8.610	27.393	372.167	.757
410.3	8.6222	35.254	37.217	8.578	27.396	397.717	.675
435.3	8.5857	35.254	37.193	8.539	27.402	422.817	.884
459.4	8.5781	35.254	37.197	8.529	27.403	447.350	.518
484.8	8.5698	35.255	37.201	8.518	27.405	472.100	.541
531.7	8.5174	35.250	37.168	8.460	27.410	508.267	.633
561.0	8.4824	35.246	37.144	8.422	27.412	546.383	.573
586.1	8.4648	35.245	37.138	8.402	27.414	573.550	.616
609.1	8.4452	35.244	37.129	8.380	27.416	597.583	.624
633.6	8.3807	35.236	37.072	8.313	27.420	621.350	.850
659.4	8.3832	35.238	37.087	8.312	27.421	646.517	.380
682.9	8.3388	35.212	36.938	8.166	27.423	671.150	.810
708.4	8.1913	35.209	36.902	8.116	27.428	695.650	.836
734.4	8.1884	35.216	36.917	8.110	27.434	721.400	.913
759.4	8.1963	35.229	36.947	8.115	27.443	746.867	1.059
787.0	8.0603	35.221	36.825	7.977	27.458	773.167	1.427
814.2	7.9771	35.219	36.757	7.891	27.469	800.583	1.215
840.7	7.9782	35.194	36.559	7.891	27.479	827.450	1.291
866.3	7.8442	35.190	36.442	7.755	27.495	853.517	1.552
891.8	7.8572	35.169	36.260	7.766	27.506	879.067	1.369
917.0	7.7841	35.162	36.104	7.692	27.526	904.417	1.712
941.9	7.1577	35.166	36.001	7.063	27.548	929.483	1.770
965.8	7.0417	35.166	35.904	6.946	27.564	953.883	1.583
988.9	6.8707	35.157	35.747	6.773	27.580	977.383	1.677


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 29

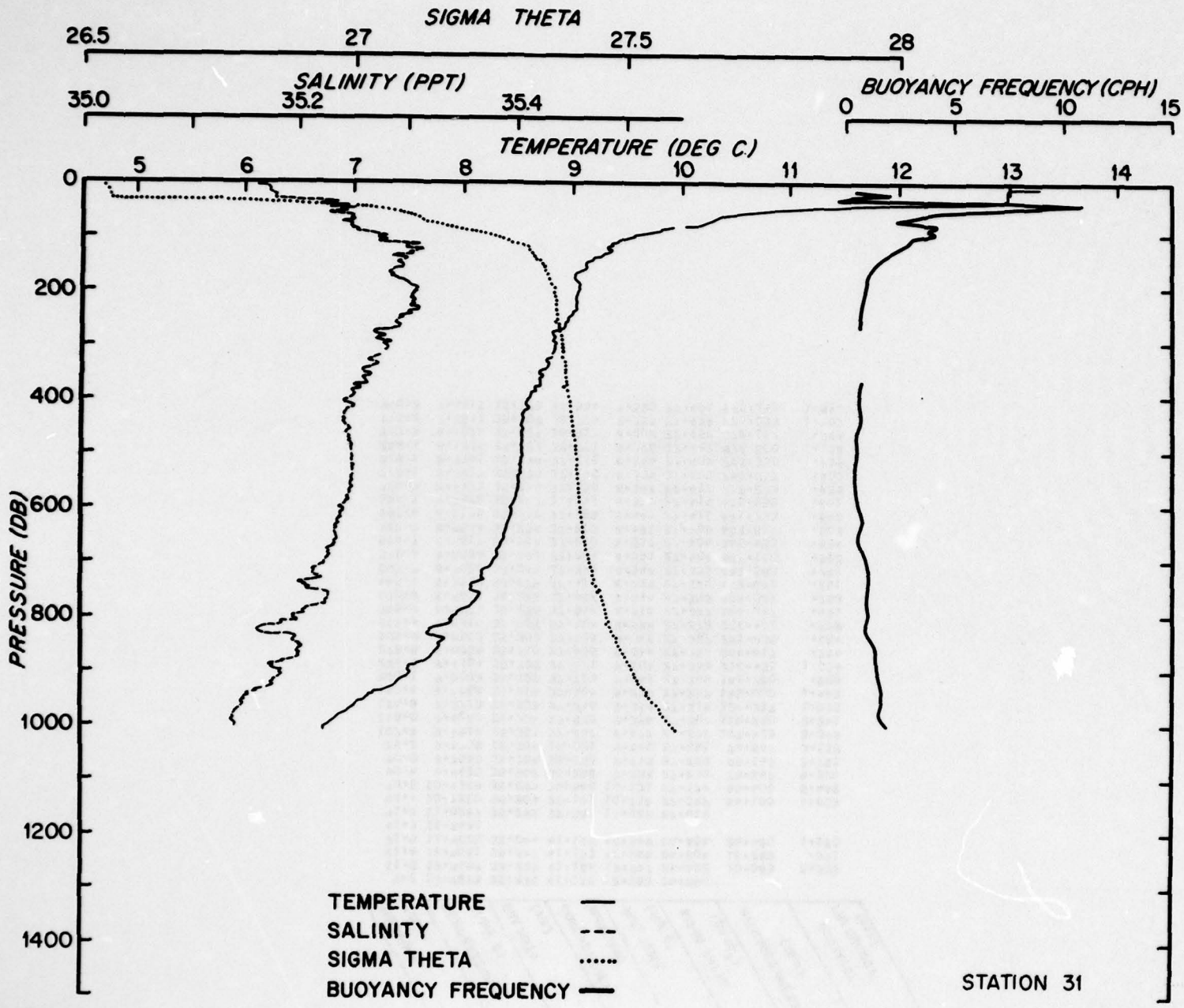
STATION 30

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/cm^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
19.9	12.8900	35.183	41.055	12.887	26.574	20.367	
21.0	12.8897	35.182	41.054	12.887	26.573	20.433	-1.323
24.4	12.8906	35.183	41.057	12.887	26.573	22.700	.405
33.0	12.8482	35.189	41.026	12.844	26.587	28.683	2.230
40.8	11.6202	35.217	39.869	11.615	26.847	36.883	10.262
48.9	11.0000	35.229	39.289	10.994	26.971	44.867	6.967
57.0	10.5705	35.238	38.891	10.564	27.056	52.967	5.788
65.1	10.3681	35.245	38.708	10.360	27.098	61.067	4.020
72.7	10.2384	35.244	38.682	10.230	27.102	68.917	1.384
81.1	10.1794	35.243	38.633	10.170	27.129	76.900	3.199
89.2	9.9729	35.244	38.342	9.964	27.166	85.133	3.819
97.4	9.7989	35.249	38.181	9.788	27.200	93.267	3.660
105.0	9.6284	35.252	38.026	9.614	27.231	101.183	3.626
113.2	9.4980	35.255	37.918	9.482	27.263	109.083	3.517
121.3	9.2879	35.259	37.720	9.274	27.292	117.250	3.431
130.5	8.8978	35.260	37.365	8.882	27.357	135.933	2.667
152.0	8.6449	35.253	37.135	8.626	27.392	166.267	1.928
211.5	8.5843	35.252	37.090	8.562	27.400	196.750	.977
241.3	8.5548	35.252	37.075	8.529	27.405	226.417	.748
272.5	8.5390	35.255	37.077	8.510	27.410	256.900	.747
303.0	8.5434	35.259	37.099	8.511	27.412	287.717	.558
331.3	8.5471	35.261	37.117	8.512	27.413	317.150	.386
360.4	8.5318	35.258	37.114	8.493	27.414	345.850	.359
390.0	8.5038	35.254	37.096	8.462	27.415	375.167	.419
424.1	8.4673	35.247	37.071	8.422	27.416	407.050	.398
452.8	8.4388	35.244	37.054	8.391	27.417	438.450	.551
482.4	8.4173	35.242	37.045	8.366	27.419	467.567	.514
512.2	8.3772	35.238	37.017	8.323	27.422	497.283	.666
539.4	8.3461	35.233	36.995	8.289	27.423	525.783	.435
567.0	8.3016	35.230	36.963	8.241	27.428	553.200	.816
592.7	8.2698	35.221	36.917	8.187	27.429	579.883	.472
619.4	8.2028	35.220	36.884	8.137	27.435	606.083	.953
645.7	8.1539	35.215	36.845	8.086	27.438	632.567	.725
671.5	8.0673	35.208	36.769	7.997	27.446	658.600	1.082
696.9	7.9758	35.202	36.689	7.903	27.456	684.217	1.177
722.6	7.9193	35.197	36.643	7.844	27.460	709.767	.865
751.5	7.7698	35.192	36.511	7.692	27.479	737.033	1.520
776.9	7.6931	35.187	36.446	7.613	27.486	764.183	1.047
803.3	7.5562	35.191	36.334	7.474	27.509	790.100	1.767
829.0	7.4003	35.174	36.184	7.316	27.518	816.167	1.244
855.7	7.2724	35.169	36.073	7.186	27.533	842.367	1.443
882.2	7.1363	35.163	35.952	7.048	27.548	868.950	1.444
909.9	6.9263	35.155	35.763	6.837	27.571	896.067	1.794
933.0	6.8191	35.154	35.673	6.728	27.585	921.483	1.491
957.0	6.6252	35.147	35.498	6.533	27.606	945.017	1.835
980.5	6.4756	35.135	35.360	6.382	27.617	968.733	1.423
1004.8	6.3551	35.131	35.255	6.260	27.630	992.617	1.416


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C.)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 30

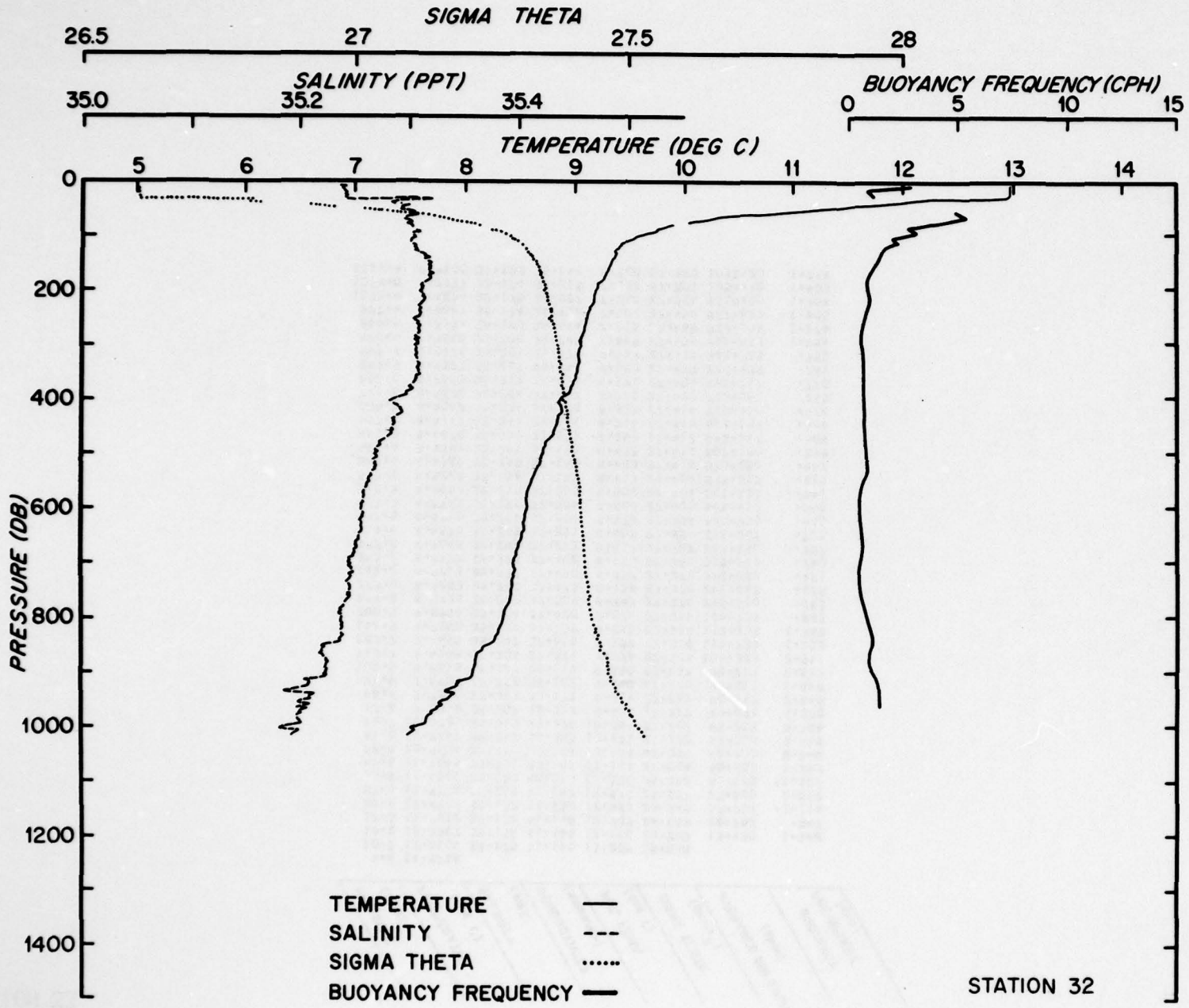
STATION 31

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.3	13.6817						
12.7	12.9721	35.175	41.123	12.970	26.551		
20.8	12.9723	35.176	41.128	12.969	26.552	16.717	.719
22.4	12.9718	35.179	41.131	12.969	26.554	21.583	2.045
25.0	12.9738	35.180	41.135	12.970	26.554	23.700	.338
32.2	12.9757	35.179	41.140	12.971	26.554	28.600	-.340
41.3	11.3853	35.222	39.649	11.380	26.896	36.750	10.905
49.4	10.6714	35.263	38.999	10.668	27.050	45.350	7.777
57.2	10.3375	35.228	38.658	10.331	27.090	53.283	4.042
65.6	10.2394	35.246	38.586	10.232	27.121	61.367	3.458
72.7	10.1390	35.239	38.487	10.131	27.133	69.133	2.331
80.5	9.9094	35.247	38.279	9.900	27.178	76.617	4.299
89.7	9.6953	35.254	38.087	9.685	27.220	85.133	3.818
96.4	9.5666	35.272	37.985	9.556	27.256	93.067	4.156
104.0	9.4378	35.274	37.868	9.426	27.279	100.200	3.109
112.2	9.3649	35.287	37.816	9.352	27.302	108.083	2.981
120.6	9.3183	35.301	37.789	9.305	27.321	116.383	2.656
128.5	9.1194	35.296	37.610	9.103	27.350	124.567	1.725
137.0	9.0734	35.302	37.568	9.053	27.362	169.750	1.086
218.3	9.0409	35.306	37.575	9.017	27.370	202.617	.951
250.1	8.9638	35.296	37.507	8.937	27.375	234.167	.761
282.7	8.8858	35.279	37.403	8.859	27.379	266.367	.702
316.1	8.8384						
350.0	8.7093	35.269	37.277	8.672	27.387		
381.6	8.6623	35.267	37.245	8.621	27.392	365.817	.811
413.9	8.6173	35.252	37.212	8.573	27.396	397.733	.641
444.3	8.5464	35.244	37.151	8.499	27.400	429.067	.796
475.2	8.5538	35.248	37.176	8.503	27.403	459.717	.520
508.1	8.5459	35.251	37.185	8.491	27.406	491.650	.599
540.2	8.5298	35.249	37.183	8.472	27.407	524.167	.488
572.9	8.5118	35.248	37.179	8.450	27.409	556.567	.481
606.6	8.4568	35.240	37.135	8.392	27.411	589.767	.610
639.8	8.3963	35.236	37.089	8.328	27.417	623.200	.838
673.4	8.3535	35.231	37.059	8.281	27.421	656.617	.641
706.7	8.2433	35.221	36.961	8.168	27.430	690.083	1.043
739.6	8.1078	35.210	36.838	8.030	27.442	723.167	1.195
772.5	8.1119	35.225	36.871	8.030	27.453	756.050	1.062
804.4	7.9238	35.201	36.686	7.839	27.463	788.467	1.151
837.0	7.8527	35.199	36.632	7.765	27.471	820.700	1.005
869.7	7.7283	35.202	36.533	7.638	27.492	853.317	1.520
898.9	7.6277	35.186	36.344	7.436	27.509	884.300	1.511
929.2	7.3127	35.174	36.146	7.219	27.531	914.050	1.672
960.2	7.0268	35.151	35.874	6.932	27.554	944.683	1.738
989.6	6.8306	35.141	35.696	6.734	27.574	974.917	1.610
998.2	6.7657	35.142	35.641	6.668	27.583	993.933	2.032


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C.)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 31

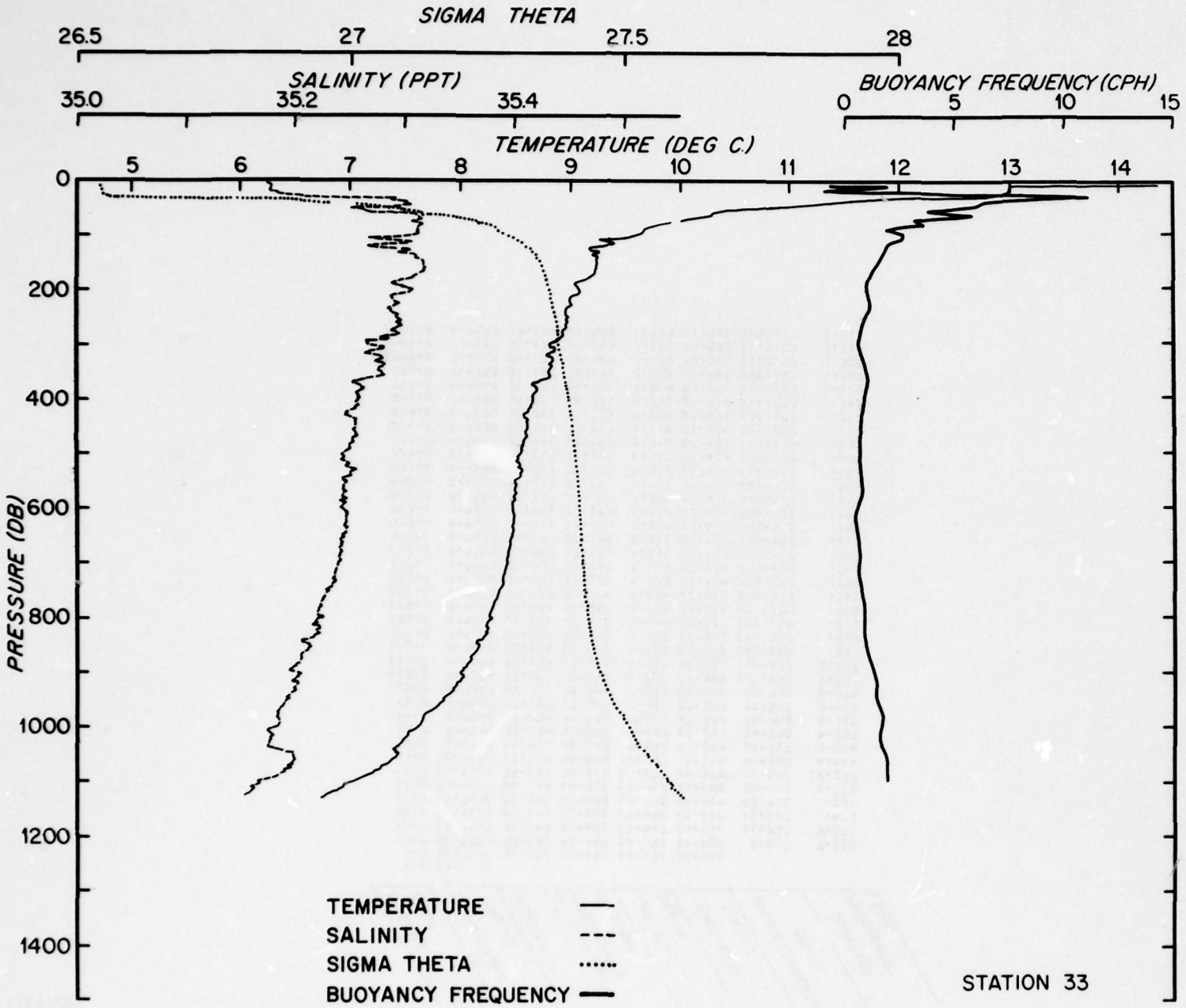
STATION 32

PRESSURE (db)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
9.0	12.9833	35.235	41.195	12.982	26.596		
11.2	12.9687	35.239	41.186	12.967	26.602	10.083	2.929
21.4	12.9681	35.242	41.193	12.966	26.604	16.283	.891
31.5	12.9535	35.244	41.185	12.949	26.608	26.450	1.180
41.3	11.8431						
51.8	11.0287	35.292	39.381	11.022	27.015		
60.4	10.7220	35.303	39.101	10.715	27.079	56.100	4.853
70.8	10.1389	35.294	38.540	10.131	27.176	65.600	5.462
80.4	9.8625	35.302	38.288	9.853	27.230	75.567	4.224
90.0	9.7549	35.306	38.196	9.745	27.253	85.167	2.781
99.2	9.5709	35.304	38.021	9.560	27.281	94.567	3.119
107.9	9.4914	35.301	37.947	9.479	27.292	103.533	2.049
118.0	9.4080	35.304	37.875	9.395	27.307	112.950	2.241
126.4	9.3719	35.305	37.846	9.358	27.316	122.317	1.633
163.4	9.2968	35.318	37.804	9.279	27.337	145.000	1.423
200.1	9.2029	35.309	37.723	9.181	27.346	181.750	.900
236.8	9.1304	35.309	37.671	9.104	27.358	218.450	1.056
272.5	9.0959	35.310	37.655	9.066	27.364	254.617	.784
309.9	9.0519	35.305	37.626	9.018	27.367	291.200	.624
346.9	9.0319	35.308	37.626	8.994	27.373	328.400	.722
385.9	8.9874	35.298	37.564	8.948	27.377	366.367	.691
430.3	8.8614	35.286	37.482	8.814	27.383	408.067	.750
469.4	8.7897	35.279	37.424	8.738	27.389	449.850	.751
507.7	8.7028	35.268	37.350	8.648	27.395	488.583	.781
546.6	8.6204	35.263	37.284	8.561	27.404	527.150	.928
584.7	8.5817	35.258	37.260	8.518	27.406	565.650	.524
622.9	8.5588	35.256	37.253	8.491	27.408	603.817	.503
660.6	8.5158	35.252	37.226	8.444	27.411	641.733	.643
699.5	8.4678	35.247	37.192	8.391	27.415	680.050	.661
738.9	8.4473	35.246	37.190	8.367	27.417	719.233	.485
778.1	8.3927	35.238	37.148	8.309	27.420	758.517	.600
818.6	8.3341	35.238	37.111	8.246	27.429	798.350	.919
858.4	8.1618	35.221	36.951	8.070	27.442	838.500	1.156
899.8	8.1056	35.223	36.917	8.009	27.452	879.117	.945
940.2	7.8943	35.208	36.724	7.795	27.472	920.033	1.407
980.5	7.4817	35.198	36.534	7.580	27.496	960.350	1.516


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 32

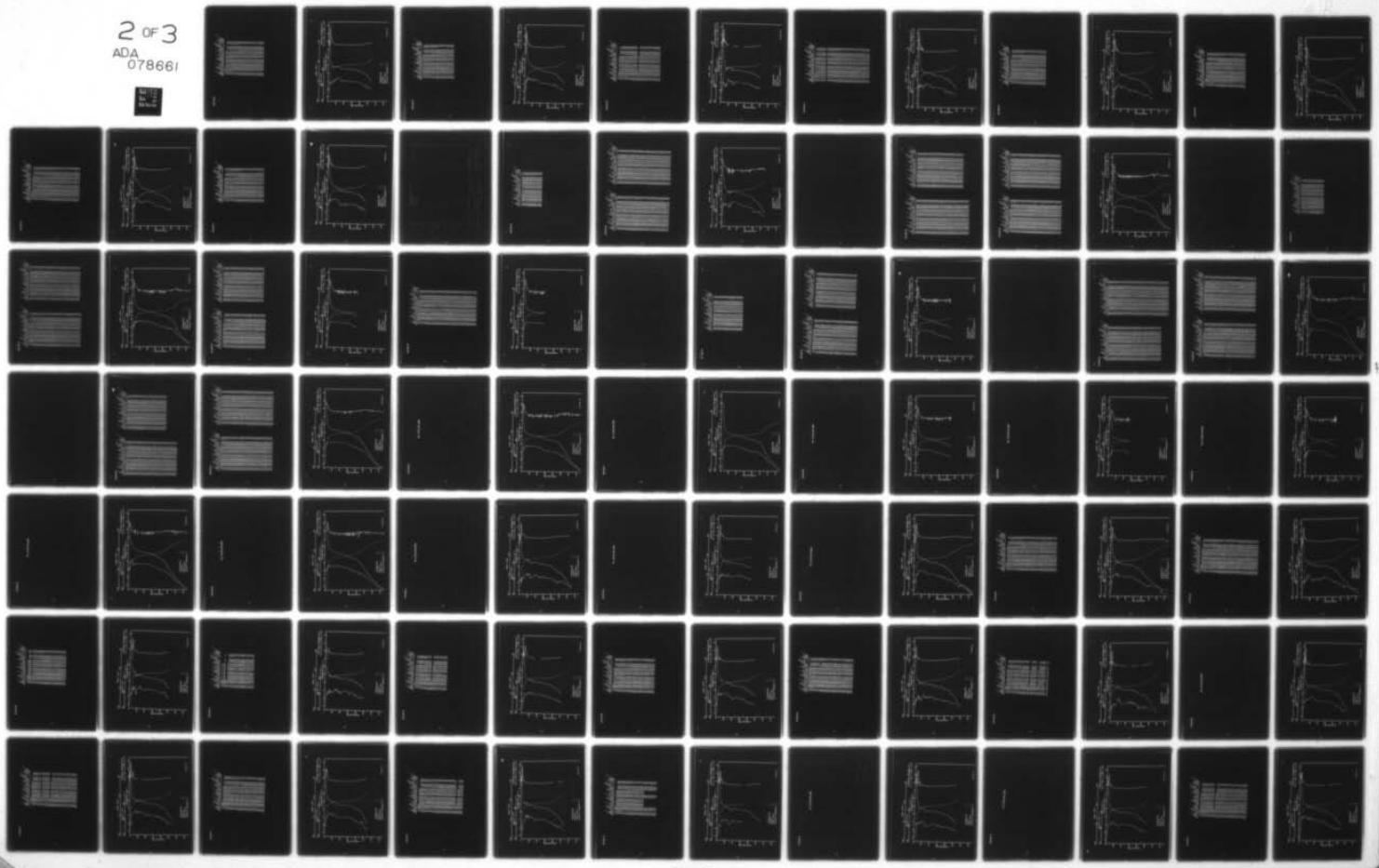
STATION 33

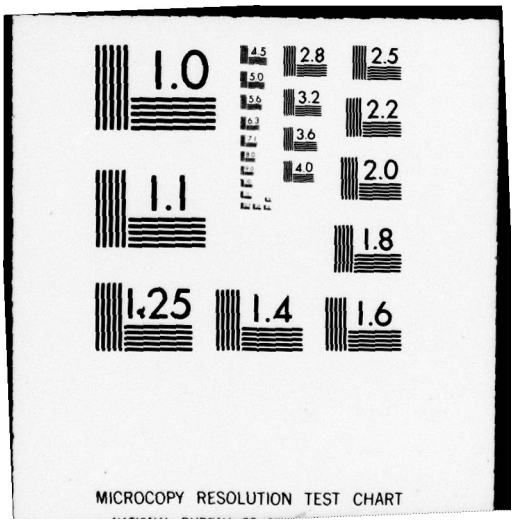
PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/kg^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.8	14.3738						
10.7	13.0106	35.175	41.160	13.009	26.543		
16.2	12.9927	35.178	41.148	12.990	26.549	13.433	1.842
17.3	12.9912	35.178	41.146	12.989	26.549	16.767	.347
20.6	12.9942	35.177	41.150	12.991	26.548	18.967	*1.116
27.2	12.9772	35.183	41.143	12.973	26.557	23.900	2.072
35.8	11.6961	35.293	40.018	11.692	26.892	31.483	11.127
44.8	11.1066	35.301	39.461	11.101	27.008	40.283	6.389
52.8	10.5006	35.270	38.854	10.494	27.094	48.800	5.846
61.8	10.2881	35.269	38.653	10.281	27.130	57.300	3.588
68.7	10.0721	35.313	38.494	10.064	27.202	65.233	5.784
77.8	9.8849	35.307	38.313	9.876	27.229	73.233	3.080
86.4	9.7255	35.313	38.171	9.716	27.261	82.117	3.446
94.6	9.6709	35.312	38.122	9.660	27.270	90.517	1.849
102.9	9.5613	35.309	38.019	9.550	27.287	98.767	2.532
113.7	9.4085	35.304	37.874	9.396	27.308	108.333	2.541
123.7	9.1689	35.267	37.616	9.155	27.318	118.733	1.853
132.9	9.2290	35.318	37.739	9.211	27.348	143.333	1.569
206.5	9.0964	35.304	37.620	9.074	27.359	184.733	.937
244.8	8.9733	35.292	37.509	8.947	27.370	225.650	.989
279.0	8.9283	35.288	37.479	8.898	27.376	261.867	.688
312.2	8.8713	35.278	37.430	8.837	27.378	295.583	.481
345.2	8.8279	35.275	37.402	8.790	27.380	328.683	.760
379.5	8.7085	35.262	37.292	8.667	27.389	362.350	.957
414.4	8.6532	35.258	37.251	8.609	27.394	396.967	.775
447.5	8.6210	35.256	37.234	8.573	27.398	430.950	.661
483.3	8.5783	35.250	37.204	8.526	27.400	465.417	.540
518.9	8.5582	35.249	37.200	8.502	27.403	501.133	.541
552.1	8.5229	35.246	37.179	8.463	27.406	535.517	.615
588.6	8.4922	35.245	37.165	8.429	27.410	570.350	.662
625.6	8.4998	35.247	37.190	8.432	27.410	607.100	.299
661.0	8.4678	35.242	37.172	8.396	27.412	643.317	.489
697.2	8.4412	35.241	37.161	8.366	27.415	679.133	.606
734.7	8.4048	35.236	37.138	8.325	27.416	715.950	.474
771.5	8.3236	35.224	37.067	8.241	27.420	753.067	.688
806.0	8.2653	35.219	37.023	8.179	27.424	788.717	.770
844.9	8.1727	35.207	36.942	8.082	27.429	825.433	.781
882.7	8.0878	35.201	36.874	7.994	27.438	863.783	.952
920.4	7.9868	35.202	36.797	7.889	27.454	901.533	1.254
958.0	7.8188	35.190	36.644	7.718	27.469	939.183	1.276
997.4	7.6067	35.184	36.458	7.503	27.496	977.683	1.605
1035.6	7.4246	35.175	36.297	7.318	27.516	1016.50	1.408
1073.0	7.2977	35.196	36.215	7.188	27.551	1054.30	1.803
1111.4	6.9100	35.163	35.842	6.800	27.580	1092.20	1.788


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C.)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 33

AD-A078 661 WOODS HOLE OCEANOGRAPHIC INSTITUTION MASS F/G 8/10
ATLANTIS-II (CRUISE 102) PRELIMINARY CTD DATA FROM JASIN 1978.(U)
DEC 79 N PENNINGTON , M G BRISCOE N00014-76-C-0197
UNCLASSIFIED WHOI-79-42 NL

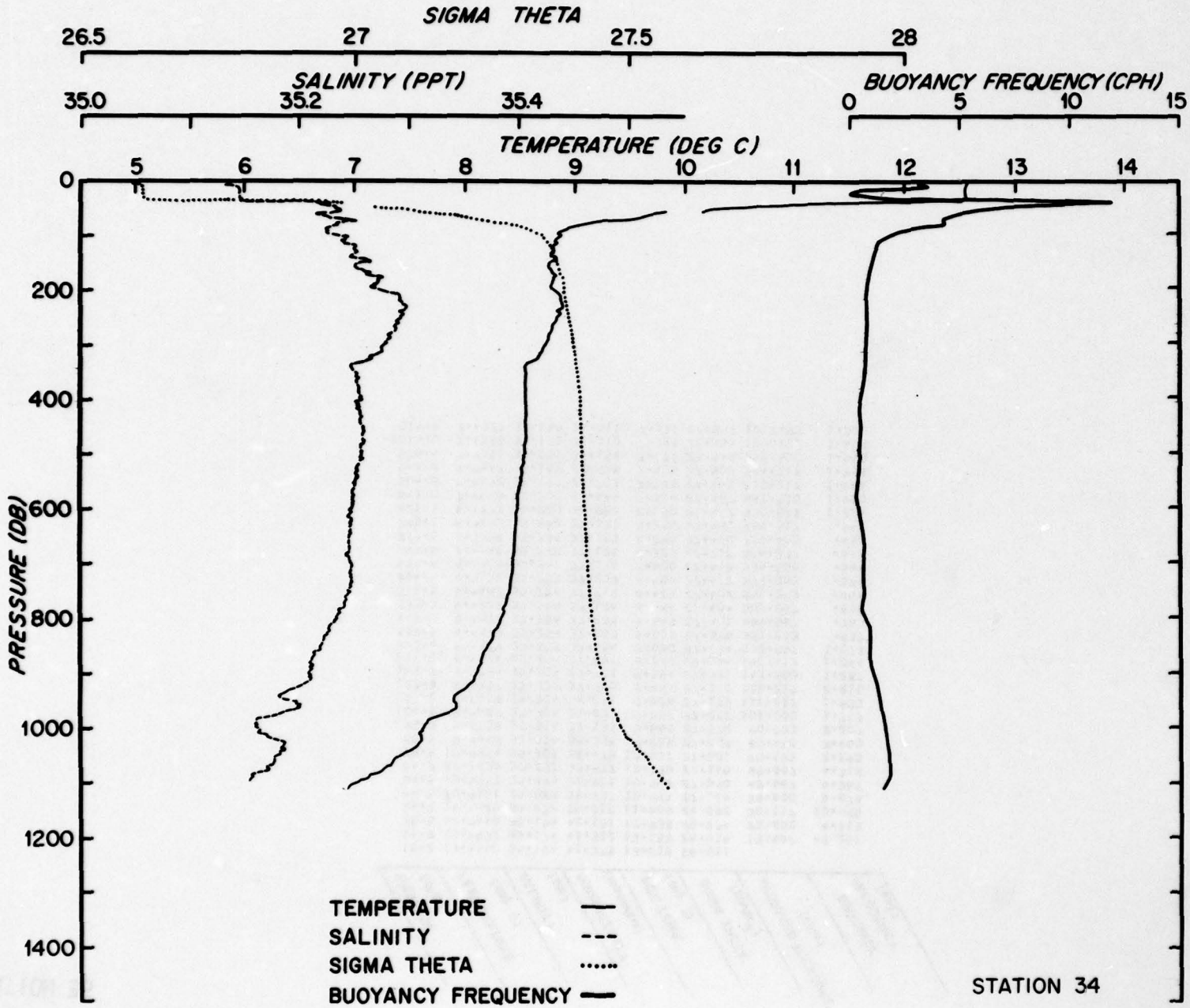
2 OF 3
ADA
078661




1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
MICROCOPY RESOLUTION TEST CHART

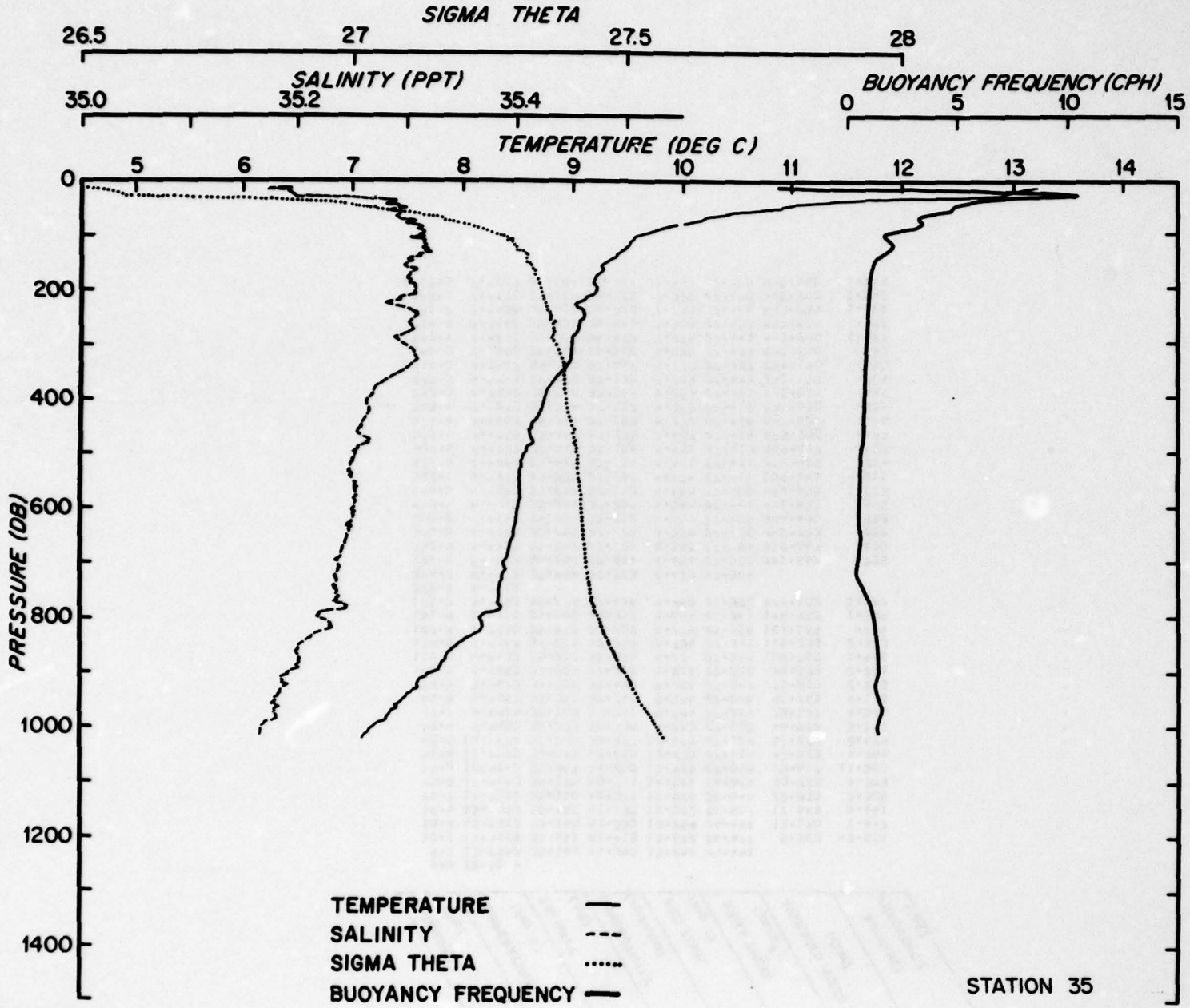
STATION 34

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.8	15.0107						
6.9	12.5776	35.131	40.691	12.577	26.596		
10.9	12.5577	35.140	40.684	12.556	26.607	8.917	3.010
12.6	12.5487	35.147	40.683	12.547	26.614	11.783	3.550
18.6	12.5447	35.146	40.681	12.542	26.614	15.617	.423
28.2	12.5436	35.145	40.683	12.540	26.614	23.400	.036
36.6	12.5177	35.149	40.666	12.513	26.622	32.400	1.770
44.3	10.9620	35.223	39.245	10.957	26.974	40.450	12.037
53.8	10.2398	35.238	38.573	10.233	27.114	49.067	6.844
64.0	9.4968	35.224	38.048	9.690	27.197	58.917	5.086
73.9	9.4950	35.253	37.889	9.447	27.254	68.933	4.288
84.1	9.0230	35.230	37.425	9.014	27.313	78.983	4.319
92.9	8.9008	35.225	37.309	8.891	27.329	88.517	2.418
102.7	8.8988	35.245	37.331	8.888	27.345	97.800	2.298
113.0	8.8194	35.241	37.257	8.807	27.355	107.850	1.737
121.7	8.8288	35.253	37.290	8.816	27.362	117.383	1.638
160.0	8.7692	35.253	37.242	8.752	27.372	140.883	.937
198.0	8.8038	35.272	37.310	8.783	27.382	179.017	.917
236.2	8.8943	35.296	37.435	8.869	27.386	217.117	.596
273.0	8.8032	35.288	37.358	8.774	27.394	254.600	.902
311.5	8.7078	35.276	37.274	8.674	27.400	292.233	.761
350.3	8.6598	35.251	37.129	8.622	27.404	330.917	.696
391.0	8.6558	35.255	37.147	8.614	27.408	370.650	.584
433.4	8.6585	35.257	37.170	8.612	27.409	412.167	.355
475.0	8.6623	35.260	37.195	8.611	27.410	454.183	.440
515.2	8.6423	35.256	37.190	8.487	27.410	495.100	.248
558.4	8.6090	35.251	37.173	8.449	27.411	536.800	.425
601.2	8.4884	35.247	37.169	8.424	27.412	579.817	.349
642.0	8.4703	35.248	37.171	8.401	27.416	621.600	.587
687.4	8.4568	35.247	37.177	8.382	27.417	664.683	.413
727.0	8.4477	35.248	37.187	8.369	27.419	707.183	.497
770.3	8.3998	35.241	37.155	8.316	27.421	748.650	.531
811.7	8.3039	35.225	37.070	8.216	27.426	791.033	.714
853.6	8.2202	35.221	37.003	8.129	27.433	832.683	.847
896.0	8.1268	35.210	36.924	8.031	27.438	874.800	.788
938.4	7.9068	35.182	36.711	7.808	27.450	917.183	1.122
980.9	7.4753	35.162	36.495	7.573	27.469	959.667	1.349
1023.8	7.4027	35.187	36.469	7.496	27.500	1002.37	1.555
1067.7	7.2897	35.172	36.183	7.181	27.533	1045.77	1.719
1107.8	6.9559	35.148	35.869	6.845	27.561	1087.77	1.711


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 34

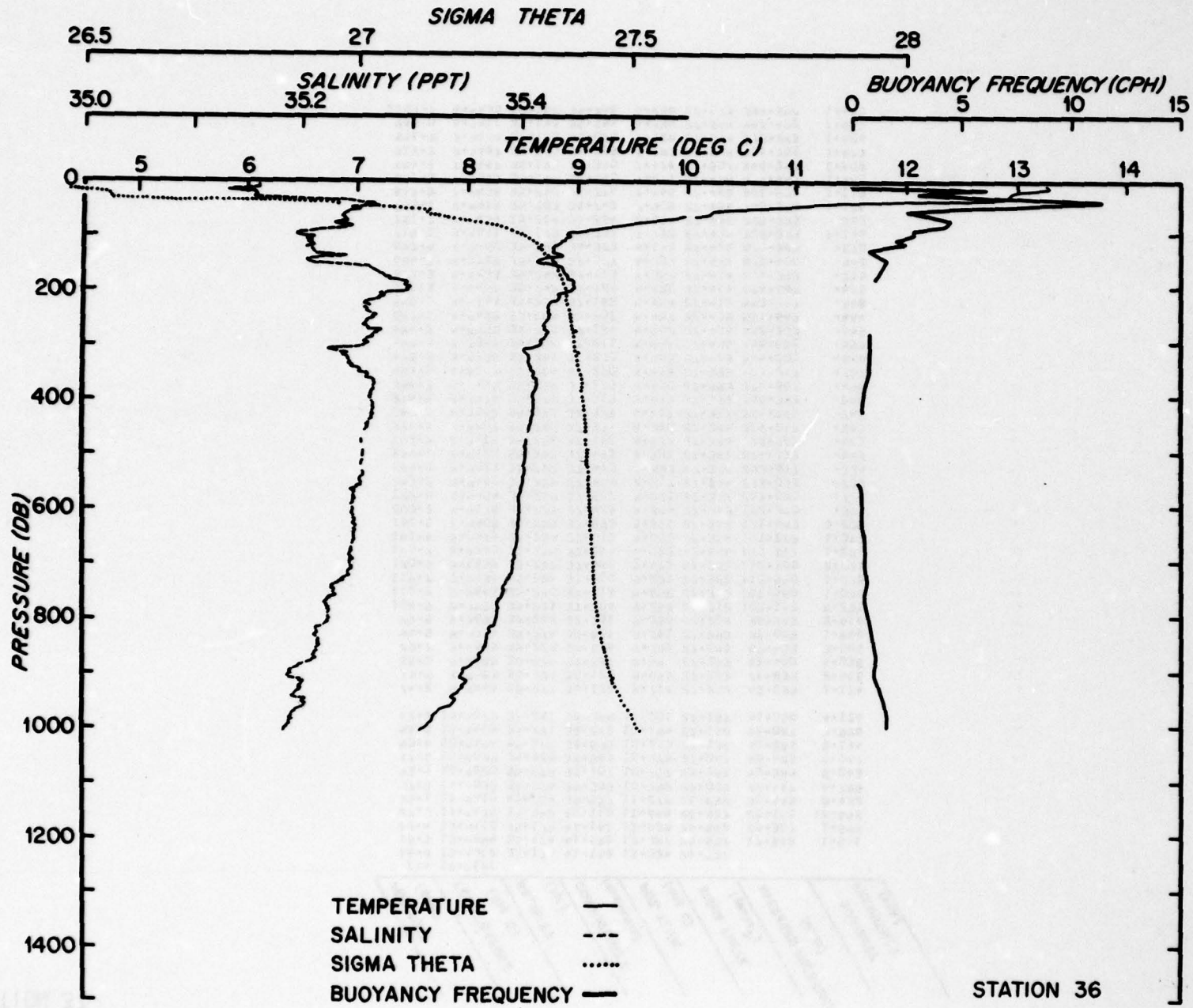
STATION 35

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
15.2	13.2142	35.194	41.379	13.212	26.517		
16.2	13.1552	35.174	41.302	13.153	26.514	15.667	-3.061
25.5	12.9416	35.196	41.121	12.938	26.574	20.850	4.513
34.7	11.4085	35.272	39.912	11.404	26.892	30.117	10.495
44.5	10.9961	35.283	39.337	10.991	27.014	39.600	6.279
54.8	10.5557	35.284	38.921	10.549	27.095	49.667	4.987
64.9	10.1839	35.291	38.577	10.176	27.165	59.867	4.718
75.4	10.0554	35.308	38.475	10.047	27.201	70.133	3.290
85.5	9.8648	35.314	38.305	9.855	27.239	80.450	3.460
95.9	9.4759	35.316	38.131	9.665	27.272	90.733	3.207
106.1	9.5689	35.305	38.023	9.557	27.282	101.000	1.749
117.2	9.5413	35.316	38.013	9.528	27.295	111.617	1.953
127.3	9.4757	35.321	37.960	9.461	27.310	122.217	2.211
169.7	9.2724	35.305	37.771	9.254	27.331	148.500	1.287
211.5	9.1724	35.300	37.691	9.149	27.344	190.617	1.044
253.6	9.1079	35.305	37.654	9.080	27.358	232.567	1.078
449.5	8.8543	35.259	37.269	8.606	27.395	351.583	.837
489.6	8.8019	35.256	37.235	8.549	27.401	469.567	.768
530.3	8.7608	35.248	37.188	8.484	27.404	509.967	.605
571.8	8.7467	35.256	37.219	8.485	27.409	551.083	.659
614.6	8.7182	35.253	37.209	8.452	27.412	593.200	.521
654.6	8.6708	35.247	37.176	8.400	27.415	634.600	.568
697.8	8.6062	35.239	37.125	8.329	27.419	676.233	.662
739.0	8.5758	35.235	37.113	8.296	27.420	718.400	.450
780.1	8.5693	35.248	37.137	8.285	27.431	759.517	.961
821.1	8.4773	35.230	36.958	8.090	27.447	800.583	1.234
862.0	7.8948	35.200	36.684	7.604	27.467	841.533	1.400
904.5	7.8492	35.192	36.603	7.595	27.491	883.217	1.464
944.6	7.8047	35.181	36.338	7.408	27.509	924.517	1.345
986.4	7.7911	35.181	36.158	7.191	27.540	965.500	1.653
1014.0	7.4293	35.171	36.010	7.028	27.555	1000.23	1.458
1011.8	7.4327	35.169	36.011	7.031	27.553	1012.92	1.505


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 35

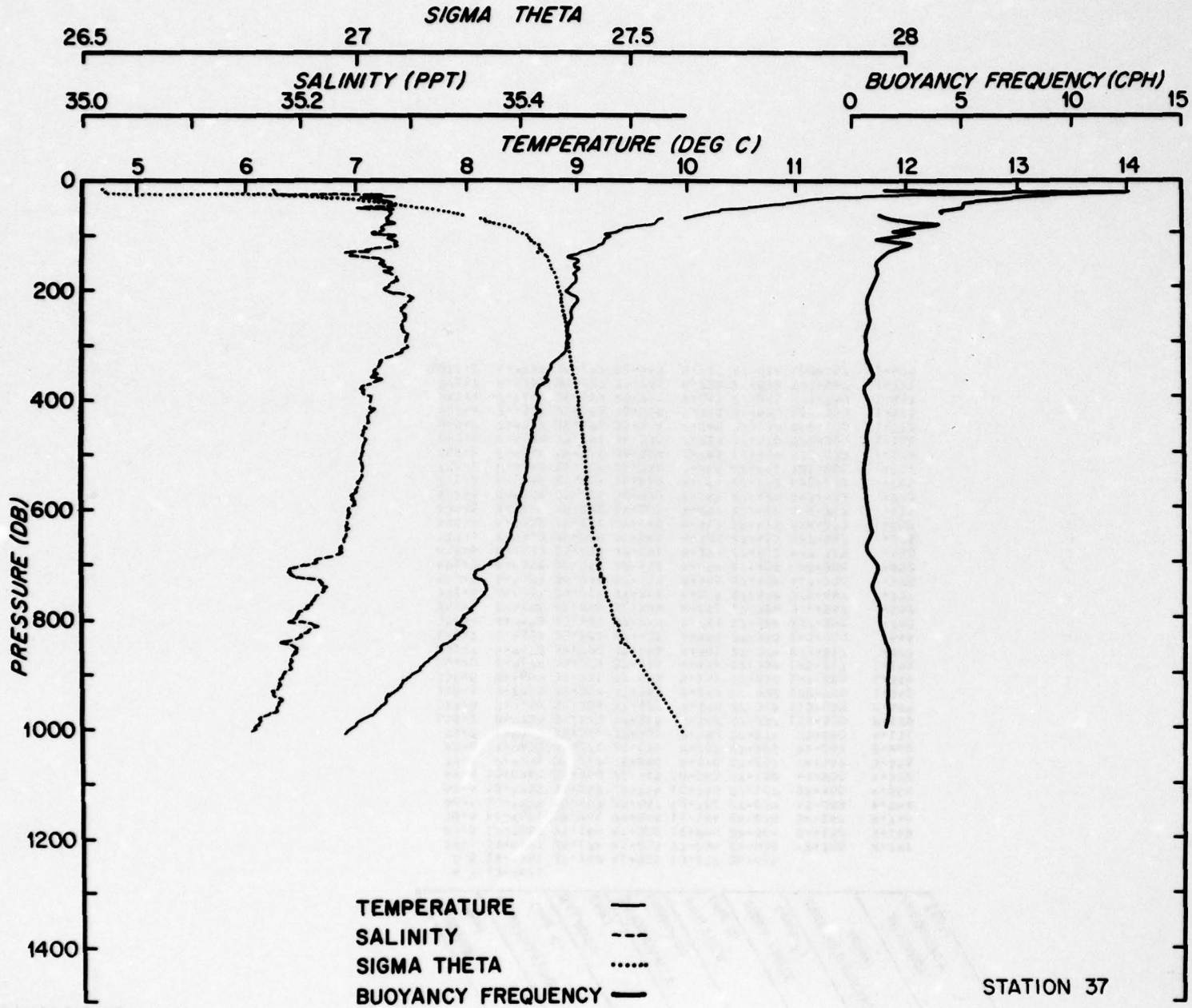
STATION 36

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
6.6	15.4074						
9.2	13.2663	35.161	41.393	13.265	26.481		
12.5	13.2838	35.161	41.410	13.282	26.477	9.883	-3.017
15.8	13.2612	35.160	41.390	13.259	26.481	13.150	1.647
19.6	13.0053	35.152	41.135	13.003	26.527	17.683	6.161
26.3	12.9312	35.158	41.071	12.928	26.546	22.933	3.005
35.2	12.5160	35.195	40.711	12.511	26.658	30.733	6.303
44.0	10.9240	35.265	39.250	10.919	27.014	39.617	11.300
51.8	10.2790	35.245	38.616	10.273	27.113	47.933	6.356
60.5	10.1574	35.239	38.498	10.150	27.129	56.183	2.479
69.4	9.9505	35.239	38.306	9.943	27.165	64.983	3.599
77.7	9.5928	35.229	37.961	9.584	27.219	73.567	4.540
85.9	9.5657	35.241	37.760	9.356	27.266	81.783	4.290
94.5	9.0679	35.206	37.449	9.058	27.287	90.200	2.853
102.5	8.9253	35.203	37.315	8.914	27.308	98.533	2.866
111.0	8.8533	35.207	37.284	8.871	27.318	106.767	1.981
119.5	8.8068	35.211	37.219	8.794	27.333	115.233	2.380
127.9	8.7930	35.210	37.209	8.779	27.335	123.683	.804
161.9	8.8818	35.262	37.357	8.864	27.361	144.883	1.579
195.3	8.8793	35.298	37.498	8.958	27.373	178.600	1.087
229.9	8.7428						
264.9	8.4978	35.254	37.223	8.669	27.384		
298.4	8.4878	35.260	37.234	8.656	27.390	281.667	.795
332.9	8.5709	35.243	37.124	8.535	27.396	315.667	.800
366.6	8.4383	35.265	37.223	8.599	27.402	349.783	.782
402.2	8.4118	35.263	37.212	8.569	27.405	384.400	.532
440.7	8.5927	35.261	37.209	8.545	27.406	421.433	.439
486.3	8.5320	35.272	37.183	8.480	27.425	463.483	1.177
533.1	8.5313	35.255	37.187	8.474	27.411	509.683	-.911
571.8	8.4869	35.246	37.154	8.425	27.411	552.467	.324
606.8	8.4737	35.245	37.156	8.408	27.413	589.317	.429
641.1	8.4758	35.247	37.175	8.407	27.414	623.950	.423
674.6	8.4458	35.244	37.159	8.373	27.416	657.833	.566
708.6	8.4282	35.244	37.157	8.352	27.419	691.600	.556
743.0	8.3332	35.228	37.068	8.253	27.421	725.800	.644
777.3	8.2923	35.222	37.039	8.209	27.423	760.133	.524
811.0	8.2567	35.220	37.018	8.170	27.427	794.150	.690
846.0	8.1860	35.214	36.962	8.095	27.433	828.500	.883
880.4	8.0698	35.205	36.859	7.976	27.443	863.200	1.082
914.8	8.0048	35.202	36.811	7.908	27.451	897.583	.957
951.7	7.9938	35.202	36.793	7.793	27.468	933.233	1.286
988.1	7.4752	35.189	36.522	7.572	27.490	969.900	1.548
1002.0	7.5929	35.184	36.448	7.489	27.499	995.050	1.553


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 36

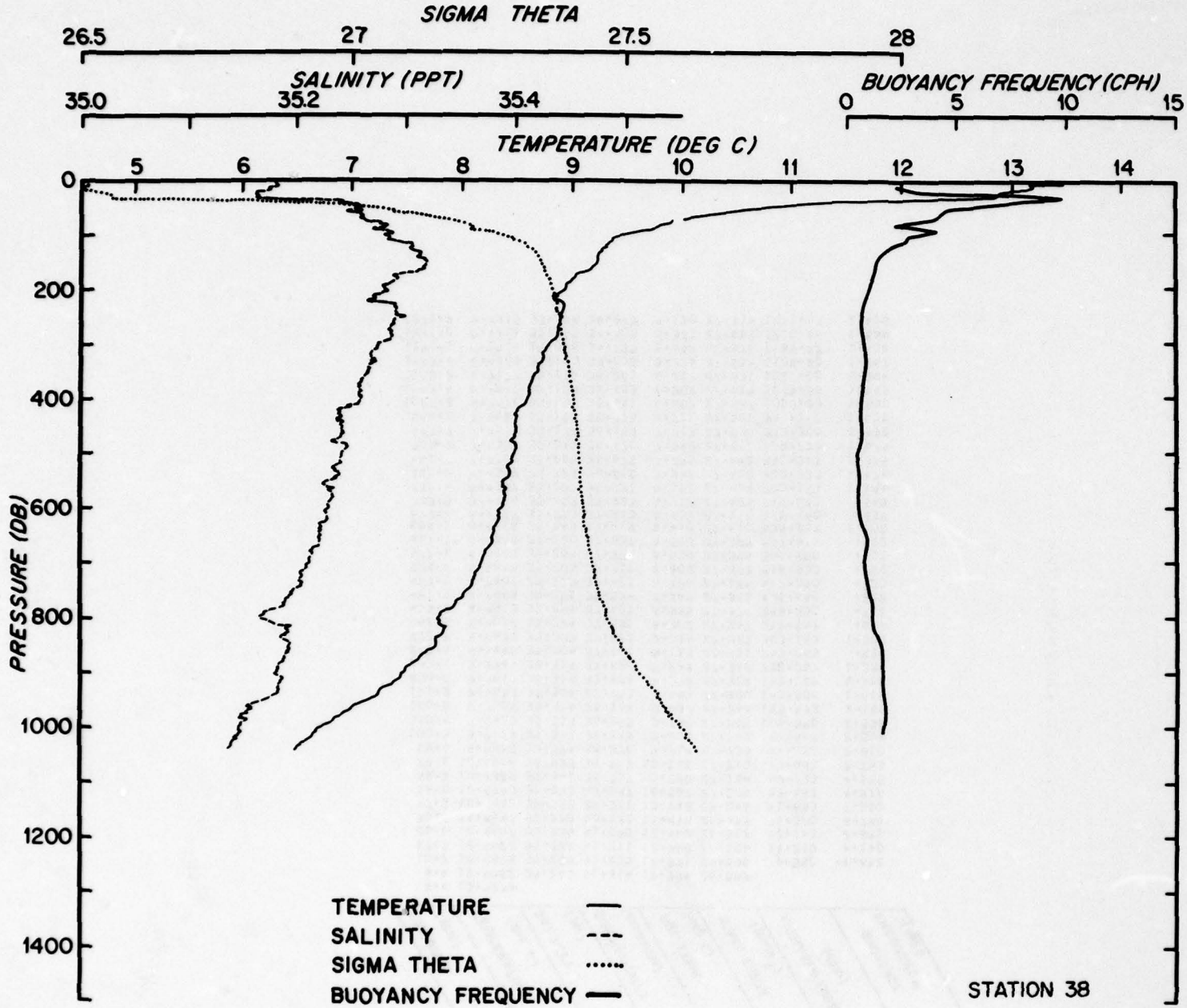
STATION 37

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (CPH)
2.6	12.7121						
16.8	13.0362	35.174	41.186	13.034	26.537		
18.3	13.0296	35.174	41.180	13.027	26.539	17.583	1.561
22.4	13.0112	35.175	41.165	13.008	26.543	20.367	1.897
27.9	11.8492	35.242	40.110	11.646	26.823	25.150	12.695
33.1	11.2910	35.254	39.577	11.277	26.939	30.483	8.432
37.8	11.0039	35.276	39.335	10.999	27.008	35.417	6.799
43.4	10.7620	35.278	39.107	10.757	27.053	40.583	5.063
47.6	10.6039	35.285	38.965	10.598	27.087	45.483	5.087
53.6	10.5194	35.285	38.895	10.513	27.107	50.583	5.134
58.5	10.1604	35.281	38.542	10.154	27.162	56.067	3.996
63.6	10.0079	35.281	38.399	10.001	27.189	61.050	4.126
74.2	9.7966	35.277	38.132	9.718	27.233	63.033	1.174
79.5	9.7953	35.285	38.122	9.696	27.243	76.833	2.468
85.3	9.4689	35.272	37.887	9.459	27.273	82.400	4.038
89.7	9.4008	35.273	37.826	9.391	27.285	87.483	3.006
94.5	9.3714	35.274	37.801	9.361	27.290	92.083	1.860
99.5	9.2693	35.268	37.701	9.258	27.303	96.983	2.886
104.9	9.2793	35.281	37.726	9.268	27.312	102.183	2.231
110.2	9.2644	35.280	37.713	9.252	27.313	107.550	1.036
115.7	9.2438	35.284	37.700	9.231	27.320	112.950	1.935
120.9	9.1859	35.287	37.650	9.173	27.332	118.300	2.731
140.7	8.9360	35.255	37.394	8.923	27.346	130.817	1.591
161.8	9.0274	35.283	37.515	9.010	27.356	151.283	1.089
181.5	8.9908	35.287	37.493	8.971	27.363	171.683	1.229
203.2	8.9178	35.279	37.426	8.896	27.369	192.350	.935
222.8	8.9954	35.299	37.527	8.971	27.372	213.000	.728
243.2	8.9440	35.292	37.481	8.917	27.374	233.033	.705
264.0	8.9219	35.292	37.470	8.893	27.378	253.617	.824
284.1	8.9320	35.297	37.493	8.901	27.381	274.033	.647
303.9	8.9118	35.296	37.442	8.879	27.383	293.967	.663
324.6	8.8247	35.280	37.394	8.789	27.386	314.217	.585
345.0	8.7968	35.270	37.329	8.719	27.387	334.783	.768
366.5	8.7978	35.271	37.313	8.688	27.393	355.733	.946
386.7	8.8419	35.284	37.225	8.600	27.393	376.567	.497
423.4	8.8607	35.286	37.270	8.615	27.399	405.017	.753
445.2	8.8128	35.281	37.230	8.565	27.403	434.300	.812
468.5	8.8848	35.254	37.211	8.534	27.408	456.850	.599
496.2	8.8558	35.255	37.194	8.502	27.408	482.333	.649
527.1	8.8492	35.256	37.202	8.492	27.409	511.667	.444
559.0	8.8163	35.252	37.182	8.456	27.412	543.067	.568
590.3	8.8838	35.249	37.162	8.420	27.414	574.667	.605
622.3	8.8238	35.242	37.113	8.357	27.418	606.333	.713
654.5	8.7728	35.239	37.077	8.303	27.424	638.400	.848
687.5	8.7660	35.220	36.973	8.193	27.425	670.983	.570
719.0	8.0681	35.193	36.777	7.992	27.435	703.233	1.148
751.7	8.1434	35.218	36.884	8.064	27.442	735.333	.819
785.1	7.9914	35.207	36.743	7.909	27.454	768.383	1.176
817.9	7.9638	35.210	36.726	7.865	27.466	801.500	1.115
851.8	7.7538	35.197	36.550	7.671	27.484	834.867	1.451
884.8	7.8687	35.190	36.380	7.478	27.507	868.317	1.609
918.7	7.7467	35.183	36.219	7.293	27.528	901.750	1.529
951.9	7.7238	35.180	36.079	7.128	27.548	935.283	1.526
985.0	6.8912	35.164	35.864	6.894	27.569	968.450	1.587
1003.7	6.9836	35.157	35.766	6.785	27.578	994.350	1.429


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 37

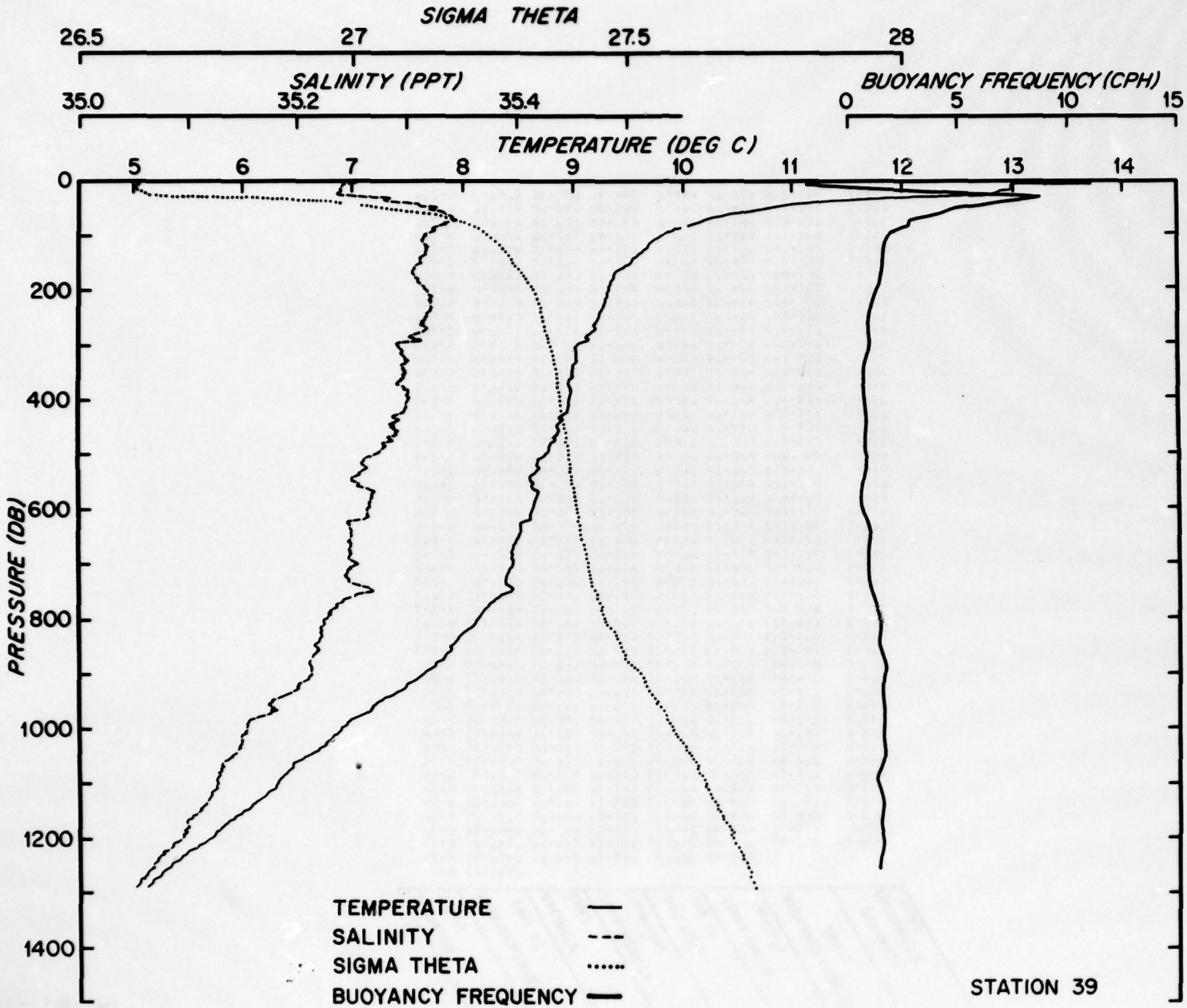
STATION 38

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/lit)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.5	13.4691						
8.5	13.1781	35.182	41.329	13.177	26.515		
19.0	13.0627	35.174	41.212	13.060	26.532	13.750	2.287
29.3	12.8688	35.165	41.020	12.865	26.564	24.150	3.169
39.8	11.8691	35.244	39.848	11.864	26.878	34.567	9.744
50.4	10.7575	35.259	39.087	10.751	27.039	45.083	6.944
60.4	10.3735	35.259	38.724	10.366	27.107	55.400	4.664
69.4	10.0760	35.260	38.445	10.068	27.160	64.900	4.332
79.6	9.8791	35.277	38.280	9.870	27.207	74.467	3.856
89.0	9.7675	35.271	38.171	9.757	27.221	84.267	2.200
98.7	9.8309	35.286	37.966	9.520	27.274	93.850	4.131
108.3	9.3739	35.283	37.819	9.362	27.297	103.500	2.839
117.8	9.3480	35.306	37.820	9.335	27.319	113.033	2.699
128.1	9.2768	35.307	37.758	9.263	27.332	122.950	1.982
166.5	9.1649	35.311	37.673	9.147	27.353	147.283	1.364
204.0	8.9178	35.279	37.426	8.896	27.369	185.217	1.193
241.7	8.9273	35.290	37.463	8.901	27.376	222.817	.829
278.7	8.8818	35.286	37.433	8.852	27.380	260.200	.646
316.4	8.7473	35.269	37.316	8.723	27.386	297.550	.805
353.6	8.6888	35.265	37.264	8.651	27.394	334.967	.869
391.8	8.6207	35.258	37.211	8.579	27.399	372.667	.737
443.6	8.5098	35.241	37.114	8.462	27.404	417.700	.625
481.0	8.5058	35.247	37.132	8.454	27.409	462.300	.692
518.6	8.4533	35.238	37.091	8.398	27.410	499.783	.460
557.1	8.3913	35.229	37.041	8.332	27.413	537.833	.575
595.4	8.3903	35.231	37.060	8.327	27.415	576.233	.509
634.0	8.3245	35.222	37.006	8.257	27.418	614.717	.611
672.8	8.2308	35.216	36.930	8.159	27.428	653.433	.970
711.9	8.1499	35.208	36.863	8.074	27.433	692.383	.796
750.5	8.0443	35.197	36.772	7.965	27.441	731.200	.916
789.6	7.8234	35.171	36.558	7.741	27.454	770.033	1.174
829.0	7.8198	35.191	36.590	7.733	27.470	809.300	1.166
868.2	7.6347	35.190	36.434	7.545	27.497	848.600	1.578
907.6	7.6357	35.189	36.265	7.343	27.525	887.900	1.616
947.4	7.1417	35.169	35.991	7.047	27.551	927.500	1.617
986.9	6.8251	35.153	35.700	6.728	27.583	967.167	1.772
1026.2	6.8596	35.142	35.463	6.461	27.612	1006.57	1.675


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 38

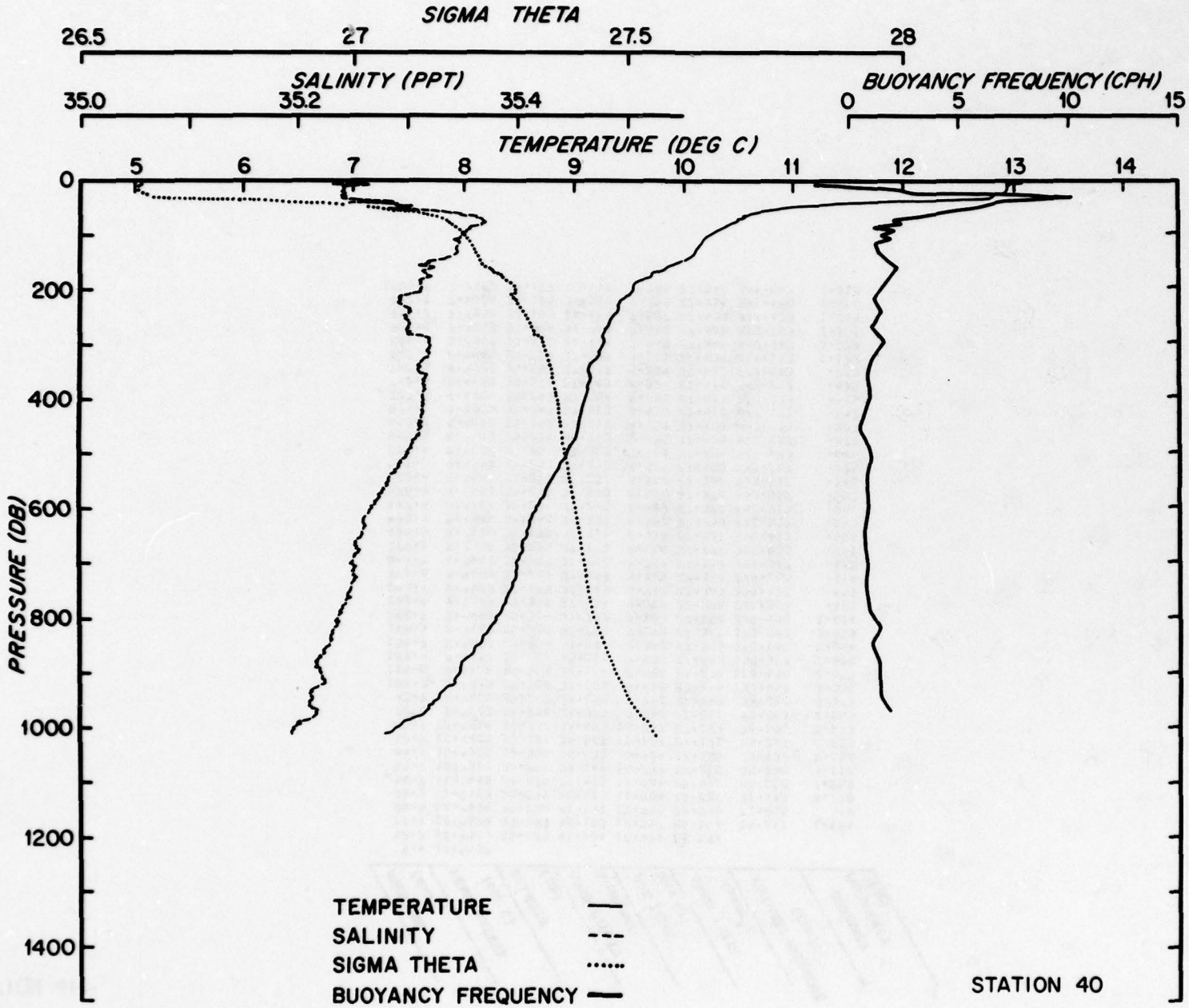
STATION 39

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m**3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.4	13.7272						
8.4	12.9952	35.243	41.214	12.994	26.599		
10.7	12.9928	35.239	41.209	12.991	26.596	9.550	*1.842
17.7	12.9922	35.238	41.211	12.990	26.596	14.233	**.140
26.6	12.9667	35.236	41.090	12.863	26.619	22.183	2.881
36.5	11.8147	35.280	40.120	11.810	26.859	31.550	5.794
47.3	10.9482	35.312	39.321	10.942	27.045	41.883	7.380
58.0	10.9740	35.332	38.987	10.567	27.128	52.633	4.976
68.3	10.9985	35.341	38.737	10.290	27.184	63.133	4.155
79.1	10.1246	35.335	38.569	10.115	27.210	73.683	2.758
89.4	9.9283	35.324	38.376	9.918	27.235	84.250	2.810
100.3	9.8179	35.317	38.269	9.806	27.249	94.867	2.004
110.4	9.7423	35.313	38.199	9.730	27.259	105.350	1.836
120.5	9.7009	35.316	38.166	9.687	27.268	115.433	1.686
181.3	9.4653	35.306	37.952	9.447	27.300	140.900	1.619
202.8	9.3919	35.318	37.874	9.329	27.328	182.067	1.482
243.1	9.2764	35.319	37.822	9.249	27.342	222.967	1.084
283.4	9.1445	35.304	37.701	9.113	27.351	263.283	.934
322.9	9.0498	35.299	37.623	9.014	27.363	303.183	1.003
362.8	9.0019	35.294	37.591	8.962	27.367	342.867	.639
416.3	8.9813	35.299	37.601	8.935	27.374	389.550	.718
457.0	8.8989	35.291	37.534	8.849	27.381	436.650	.815
497.1	8.7807	35.273	37.423	8.726	27.386	477.050	.720
536.8	8.4609	35.256	37.311	8.603	27.392	516.933	.790
577.1	8.4933	35.264	37.371	8.630	27.396	556.950	.602
617.7	8.4349	35.260	37.327	8.568	27.399	597.417	.612
658.9	8.3118	35.249	37.219	8.440	27.410	638.317	1.005
699.4	8.4827	35.253	37.213	8.407	27.418	679.150	.839
739.9	8.4778	35.263	37.235	8.397	27.426	719.650	.849
780.4	8.2359	35.232	36.997	8.152	27.439	760.183	1.184
821.4	8.0342	35.223	36.818	7.947	27.463	800.933	1.472
861.7	7.8702	35.216	36.675	7.780	27.482	841.567	1.328
902.9	7.4358	35.211	36.470	7.542	27.513	882.283	1.673
943.7	7.3090	35.178	36.153	7.213	27.535	923.300	1.492
984.7	7.0083	35.157	35.873	6.911	27.561	964.217	1.601
1025.8	6.7478	35.150	35.681	6.687	27.587	1005.23	1.550
1067.4	6.4842	35.133	35.403	6.382	27.615	1046.58	1.649
1108.2	6.3177	35.126	35.261	6.213	27.631	1087.80	1.284
1149.4	6.0328	35.110	35.003	5.926	27.656	1128.80	1.587
1190.3	5.7916	35.096	34.787	5.683	27.676	1169.87	1.436
1231.0	5.4816	35.075	34.503	5.371	27.698	1210.65	1.566
1271.2	5.2315	35.058	34.279	5.120	27.715	1251.07	1.406


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 39

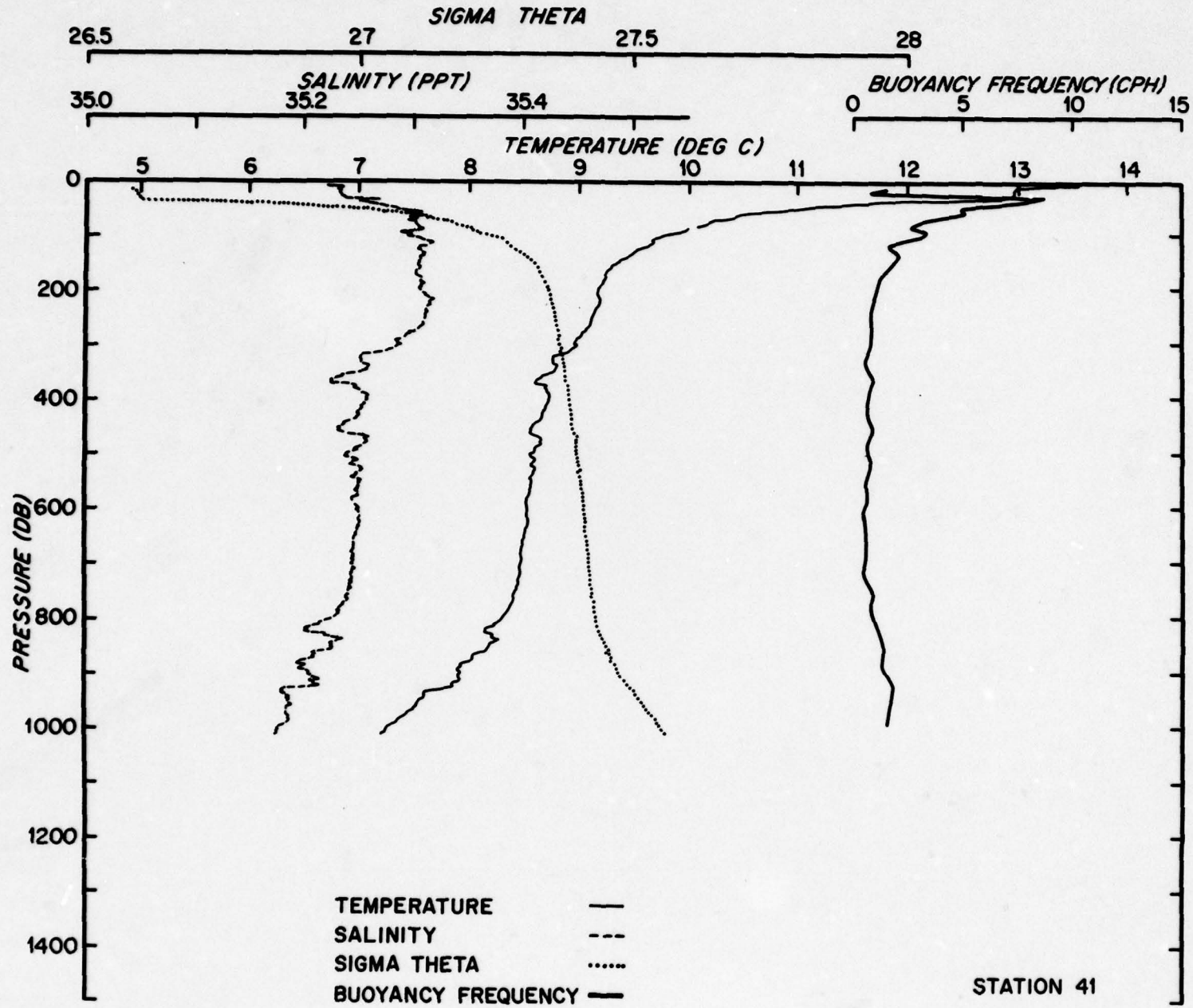
STATION 40

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m**3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.2	13.1582						
10.2	12.9387	35.242	41.159	12.937	26.610		
11.3	12.9417	35.241	41.162	12.940	26.609	10.717	-1.509
16.8	12.9442	35.242	41.167	12.942	26.608	14.017	-.403
24.0	12.8971	35.244	41.127	12.894	26.619	20.383	2.225
30.8	12.7931	35.240	41.025	12.789	26.638	27.417	2.915
37.6	11.8339	35.282	40.141	11.829	26.858	34.200	10.174
44.8	11.2781	35.290	39.615	11.273	26.968	41.183	6.953
51.8	10.8470	35.300	39.215	10.841	27.055	48.283	6.304
58.4	10.4510	35.334	39.063	10.644	27.117	55.100	5.418
65.1	10.3334	35.350	38.969	10.526	27.150	61.783	3.992
72.0	10.4860	35.367	38.944	10.477	27.172	68.567	3.185
79.0	10.4465	35.369	38.911	10.437	27.180	75.500	1.960
86.2	10.3380	35.360	38.802	10.328	27.193	82.617	2.353
92.8	10.2870	35.352	38.748	10.276	27.195	89.517	1.092
99.4	10.2260	35.349	38.689	10.214	27.203	96.100	2.007
106.7	10.1934	35.347	38.659	10.181	27.207	103.067	1.381
113.6	10.1529	35.347	38.624	10.140	27.214	110.150	1.826
120.4	10.1279	35.344	38.601	10.114	27.217	116.983	1.130
148.1	9.9533	35.322	38.425	9.936	27.230	134.233	1.269
175.4	9.8952	35.317	38.186	9.675	27.269	161.733	2.176
202.7	9.8239	35.309	38.029	9.501	27.293	189.050	1.680
230.6	9.4038	35.296	37.914	9.378	27.302	216.650	1.093
256.9	9.3273	35.300	37.858	9.299	27.318	243.750	1.419
282.9	9.2659	35.296	37.807	9.234	27.325	269.883	.976
310.5	9.2339	35.316	37.809	9.199	27.346	296.700	1.573
336.3	9.1542	35.309	37.738	9.117	27.354	323.400	1.024
362.6	9.1489	35.314	37.750	9.109	27.358	349.450	.808
389.2	9.1139	35.313	37.728	9.071	27.364	375.900	.838
415.5	9.0769	35.313	37.705	9.031	27.370	402.317	.916
442.4	9.0529	35.312	37.693	9.004	27.373	428.950	.646
468.5	9.0273	35.308	37.676	8.975	27.373	455.450	.416
494.7	8.9579	35.299	37.614	8.903	27.378	481.600	.829
521.6	8.8797	35.291	37.544	8.822	27.385	508.167	.980
548.0	8.8068	35.282	37.478	8.747	27.389	534.817	.797
575.8	8.7378	35.273	37.417	8.675	27.393	561.933	.814
603.5	8.6568	35.263	37.344	8.591	27.398	589.667	.876
631.2	8.6118	35.260	37.311	8.543	27.403	617.333	.819
659.0	8.5510	35.252	37.258	8.479	27.406	645.067	.678
686.5	8.5217	35.251	37.242	8.447	27.410	672.717	.784
714.2	8.4883	35.251	37.222	8.411	27.415	700.333	.821
742.6	8.4513	35.248	37.197	8.371	27.418	728.400	.722
771.6	8.3883	35.242	37.145	8.305	27.424	757.100	.860
800.6	8.3089	35.233	37.075	8.223	27.429	786.100	.899
830.3	8.1932	35.231	36.977	8.104	27.445	815.450	1.390
860.0	8.1118	35.224	36.908	8.020	27.452	845.133	1.003
891.2	7.9928	35.221	36.807	7.898	27.468	875.583	1.362
921.2	7.9309	35.218	36.713	7.784	27.482	906.217	1.351
951.8	7.7402	35.211	36.588	7.641	27.498	936.500	1.382
982.6	7.5372	35.209	36.410	7.436	27.526	967.200	1.851


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 40

STATION 41

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmhos/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/l/3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
5.4	13.9607						
12.2	12.9760	35.230	41.184	12.974	26.593		
17.1	12.9696	35.233	41.183	12.967	26.597	14.617	1.485
26.5	12.9638	35.233	41.181	12.960	26.598	21.800	.649
36.3	11.8129	35.249	40.086	11.808	26.836	31.433	8.775
45.7	11.0896	35.275	39.420	11.084	26.991	41.000	7.263
54.7	10.7811	35.291	39.144	10.774	27.060	50.200	4.918
64.1	10.4315	35.308	38.830	10.424	27.135	59.400	5.065
72.5	10.1929	35.301	38.598	10.184	27.171	68.267	3.720
80.7	10.0768	35.302	38.493	10.067	27.193	76.600	2.873
89.8	9.9703	35.302	38.395	9.960	27.211	85.283	2.569
98.7	9.7609	35.297	38.195	9.750	27.243	94.250	3.378
106.3	9.4775	35.306	38.128	9.665	27.264	102.467	3.031
115.0	9.4408	35.313	38.104	9.628	27.276	110.650	2.055
123.6	9.5487	35.302	38.010	9.535	27.283	119.317	1.652
156.7	9.2977	35.304	37.789	9.280	27.326	140.167	2.064
189.4	9.2129	35.306	37.725	9.192	27.342	173.083	1.259
222.5	9.1880	35.314	37.723	9.163	27.352	205.950	1.014
253.5	9.1269	35.308	37.674	9.099	27.358	238.000	.825
283.4	8.9999	35.289	37.549	8.969	27.363	268.467	.845
314.6	8.9498	35.264	37.398	8.816	27.368	299.000	.814
344.5	8.7963	35.255	37.352	8.759	27.369	329.567	.459
375.1	8.7068	35.246	37.273	8.666	27.377	359.800	.941
406.6	8.7230	35.255	37.311	8.679	27.381	390.817	.696
438.1	8.6388	35.240	37.232	8.592	27.383	422.317	.570
467.8	8.6708	35.256	37.290	8.620	27.390	452.917	.901
498.3	8.6683	35.238	37.190	8.515	27.392	483.017	.587
529.4	8.6042	35.253	37.251	8.547	27.398	513.817	.780
561.0	8.6749	35.250	37.235	8.514	27.400	545.167	.574
594.4	8.6528	35.250	37.229	8.488	27.404	577.683	.646
625.8	8.6483	35.251	37.240	8.480	27.405	610.117	.475
660.2	8.6063	35.246	37.211	8.435	27.408	643.000	.587
694.1	8.6903	35.249	37.210	8.415	27.410	677.117	.552
727.8	8.6704	35.243	37.204	8.391	27.411	710.933	.416
762.6	8.6189	35.241	37.169	8.336	27.418	745.217	.850
797.1	8.5202	35.226	37.077	8.234	27.422	779.883	.766
832.0	8.5960	35.229	37.035	8.166	27.434	814.567	1.123
866.6	8.5569	35.210	36.846	7.965	27.449	849.283	1.338
901.0	7.9368	35.206	36.745	7.842	27.465	883.783	1.301
934.7	7.6238	35.183	36.446	7.527	27.493	917.833	1.813
968.2	7.6626	35.185	36.312	7.363	27.518	951.450	1.650
1000.9	7.5692	35.177	36.140	7.168	27.540	984.567	1.613


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 41

BUOYANCY FREQUENCY
SIGMA THETA
STABILITY
TEMPERATURE
14 NOITATS

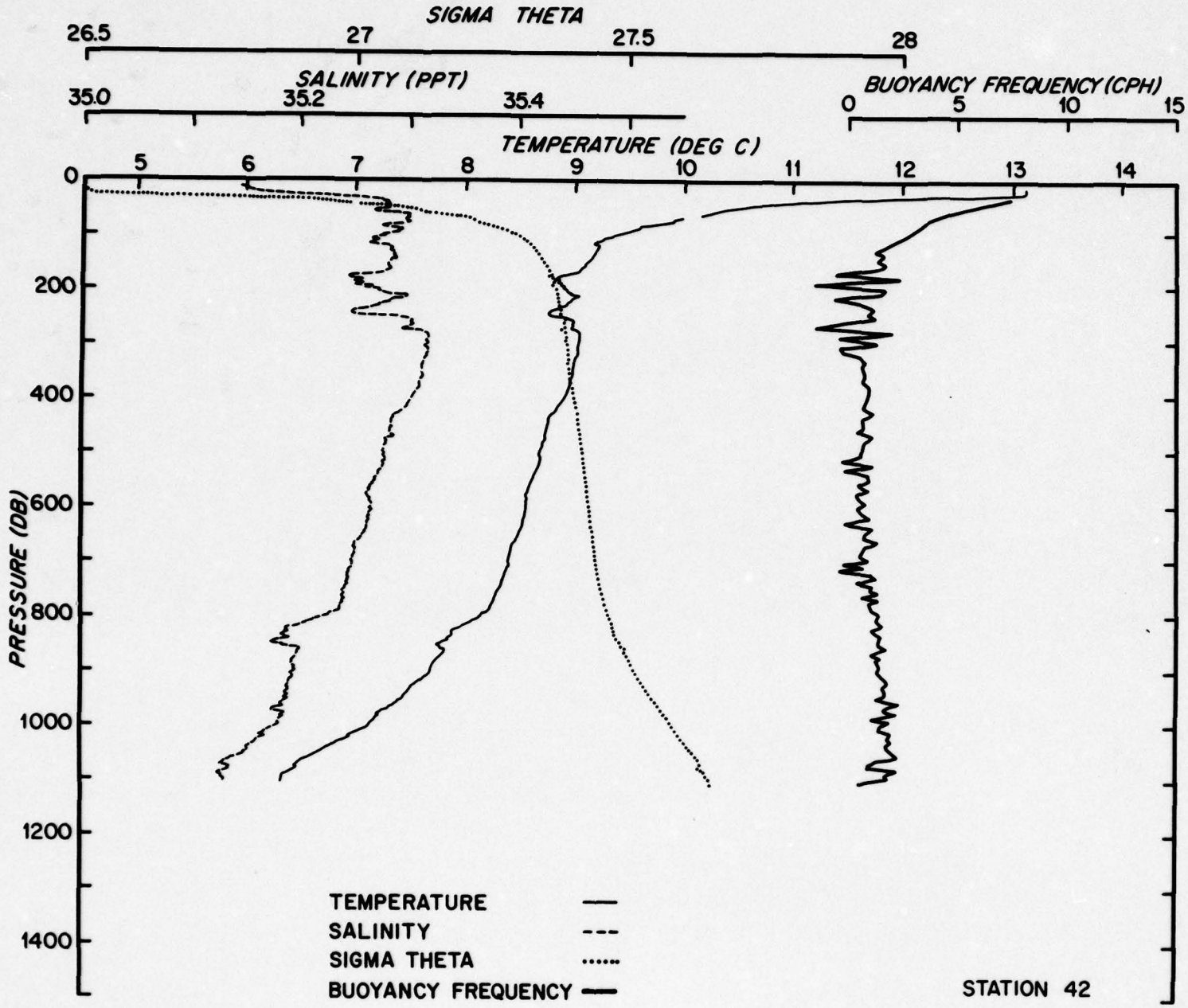
STATION 42

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmhos/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
967.1	7.2640	35.182	34.125	7.166	27.544	964.067	1.810
974.4	7.2430	35.191	34.117	7.145	27.554	970.750	2.146
982.2	7.2104	35.187	34.086	7.111	27.556	978.317	1.001
988.0	7.1809	35.188	34.063	7.082	27.561	985.117	1.801
996.3	7.1415	35.187	34.028	7.042	27.566	992.133	1.438
1002.9	7.0940	35.181	33.982	6.994	27.568	999.583	1.330
1009.8	7.0041	35.173	33.894	6.904	27.574	1006.25	1.921
1016.8	6.9676	35.173	33.864	6.867	27.580	1013.30	1.736
1023.4	6.8996	35.169	33.800	6.799	27.586	1020.10	1.914
1031.4	6.8275	35.163	33.731	6.726	27.591	1027.38	1.667
1038.1	6.7525	35.156	33.659	6.651	27.596	1034.73	1.806
1045.8	6.6961	35.157	33.611	6.594	27.604	1041.95	2.001
1050.9	6.6365	35.155	33.556	6.535	27.611	1048.35	2.212
1058.4	6.5492	35.141	33.466	6.447	27.612	1054.75	1.186
1064.7	6.5185	35.136	33.433	6.413	27.613	1061.63	.863
1071.4	6.4890	35.132	33.408	6.386	27.613	1068.05	.762
1077.4	6.4712	35.140	33.401	6.368	27.621	1074.40	2.169
1084.2	6.4122	35.135	33.346	6.309	27.625	1080.78	1.614
1089.6	6.3681	35.132	33.302	6.261	27.630	1086.88	1.789
1096.7	6.3675	35.136	33.311	6.263	27.632	1093.12	1.098
1099.8	6.3654	35.136	33.310	6.261	27.632	1098.23	.323

STATION 42

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
14.6	13.1183	35.146	41.235	13.116	26.499	554.717	73.731
49.9	10.5225	35.277	38.880	10.517	27.095	32.283	7.316
85.9	9.6049	35.283	38.027	9.595	27.258	67.917	3.809
121.9	9.2245	35.283	37.683	9.211	27.322	103.683	2.400
130.3	9.1995	35.283	37.663	9.185	27.326	125.867	1.204
138.4	9.1710	35.288	37.642	9.156	27.332	134.433	1.590
147.7	9.1385	35.283	37.608	9.116	27.337	143.167	1.334
156.9	9.0771	35.281	37.558	9.060	27.344	152.317	1.649
168.0	9.0513	35.280	37.536	9.033	27.348	160.933	1.244
174.2	8.9015	35.267	37.367	8.883	27.346	169.583	..679
183.3	8.8691	35.259	37.352	8.849	27.361	178.750	2.295
192.5	8.8861	35.251	37.365	8.868	27.352	187.917	.1.762
201.4	8.9386	35.272	37.438	8.917	27.360	196.950	1.702
210.3	9.0241	35.297	37.547	9.001	27.365	205.817	1.346
219.1	8.9740	35.284	37.491	8.950	27.364	214.700	..703
228.5	8.9080	35.271	37.417	8.880	27.364	223.817	.605
236.7	8.7920	35.251	37.296	8.767	27.367	232.583	1.118
245.9	8.7754	35.250	37.283	8.749	27.369	241.283	.862
255.1	9.0004	35.303	37.550	8.972	27.374	250.517	1.177
263.6	8.9961	35.301	37.548	8.967	27.373	259.350	..429
272.2	9.0005	35.292	37.548	8.971	27.366	267.900	.1.620
281.6	9.0523	35.318	37.626	9.021	27.377	277.017	1.949
290.5	9.0562	35.317	37.633	9.024	27.376	286.167	..575
299.0	9.0364	35.318	37.619	9.004	27.380	294.767	1.251
308.0	9.0370	35.318	37.623	9.003	27.380	303.500	..376
316.8	9.0365	35.317	37.626	9.002	27.379	312.400	..232
325.7	9.0135	35.313	37.604	8.978	27.380	321.250	.850
334.3	9.0035	35.313	37.598	8.967	27.381	329.983	.752
343.8	8.9995	35.313	37.599	8.962	27.382	339.050	.570
352.0	8.9968	35.314	37.601	8.958	27.383	347.917	.715
360.3	8.9845	35.313	37.592	8.945	27.384	356.150	.726
368.8	8.9665	35.310	37.576	8.926	27.385	364.567	.576
378.2	8.9578	35.311	37.573	8.916	27.387	373.533	.924
409.7	8.8691	35.299	37.492	8.824	27.393	393.983	.828
418.9	8.8430	35.295	37.468	8.797	27.393	414.300	.644
427.1	8.7921	35.288	37.417	8.746	27.396	422.983	1.115
435.4	8.7758	35.286	37.403	8.728	27.397	431.267	.592
445.7	8.7665	35.285	37.398	8.718	27.398	440.567	.660
453.4	8.7555	35.284	37.390	8.706	27.398	449.533	.593
462.7	8.7509	35.283	37.389	8.701	27.398	458.033	.306
471.0	8.7461	35.285	37.390	8.695	27.401	466.833	1.037
479.8	8.7156	35.280	37.360	8.663	27.402	475.400	.677
488.0	8.7055	35.279	37.354	8.652	27.403	483.933	.676
497.0	8.6955	35.278	37.347	8.641	27.403	492.517	.549
505.2	8.6941	35.278	37.350	8.639	27.404	501.083	.523
514.2	8.6894	35.276	37.348	8.633	27.403	509.683	..351
523.0	8.6758	35.277	37.340	8.619	27.406	518.583	1.074
530.8	8.6591	35.273	37.324	8.601	27.406	526.900	..154
540.4	8.6445	35.273	37.314	8.586	27.408	535.733	.832
548.9	8.6215	35.271	37.294	8.562	27.409	544.750	.957
558.1	8.5950	35.265	37.268	8.535	27.409	553.483	.369
566.3	8.5849	35.265	37.262	8.524	27.411	562.183	.886
576.6	8.5715	35.263	37.251	8.509	27.411	471.417	.311
583.1	8.5785	35.265	37.263	8.515	27.412	579.833	.489

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
593.8	8.5805	35.267	37.272	8.516	27.413	588.450	.740
601.8	8.5765	35.267	37.271	8.511	27.413	597.633	.372
610.6	8.5619	35.265	37.259	8.496	27.414	606.017	.601
619.3	8.5495	35.266	37.251	8.482	27.416	614.917	.935
628.7	8.5445	35.263	37.249	8.476	27.416	623.967	..216
635.9	8.5271	35.262	37.235	8.458	27.418	632.283	1.026
641.1	8.5172	35.262	37.228	8.448	27.419	638.500	.878
649.0	8.4974	35.259	37.209	8.427	27.420	645.033	.668
655.0	8.4873	35.257	37.201	8.417	27.420	651.967	.677
660.9	8.4591	35.256	37.175	8.388	27.423	657.950	1.296
668.3	8.4453	35.253	37.164	8.373	27.424	664.617	.689
673.9	8.4418	35.253	37.163	8.369	27.424	671.117	.679
680.1	8.4390	35.253	37.163	8.366	27.425	677.033	.531
687.8	8.4297	35.252	37.156	8.355	27.425	683.817	.468
693.6	8.4230	35.252	37.153	8.348	27.426	690.567	.866
699.7	8.4195	35.251	37.151	8.344	27.426	696.650	..253
707.0	8.4070	35.249	37.141	8.331	27.427	703.333	.672
713.0	8.4009	35.247	37.136	8.324	27.426	710.000	..483
719.9	8.3849	35.246	37.123	8.307	27.428	716.450	.963
726.3	8.3744	35.248	37.118	8.296	27.431	723.100	1.282
733.3	8.3685	35.247	37.114	8.289	27.431	729.800	.271
739.5	8.3524	35.246	37.101	8.273	27.432	736.417	1.094
747.2	8.3306	35.244	37.082	8.250	27.434	743.367	.976
753.0	8.3104	35.244	37.065	8.230	27.437	750.100	1.282
759.3	8.3005	35.242	37.057	8.219	27.437	756.150	.553
766.4	8.2881	35.244	37.051	8.206	27.441	762.867	1.297
772.9	8.2769	35.243	37.042	8.194	27.442	769.683	.837
780.5	8.2515	35.241	37.019	8.168	27.444	776.733	.998
786.7	8.2285	35.238	36.998	8.144	27.445	783.617	1.072
793.6	8.1657	35.229	36.934	8.081	27.448	790.167	1.342
799.9	8.1195	35.223	36.888	8.034	27.451	796.783	1.289
807.6	8.0360	35.210	36.801	7.951	27.453	803.750	1.240
813.5	7.9844	35.204	36.750	7.899	27.456	810.533	1.508
820.7	7.9105	35.191	36.671	7.824	27.456	817.083	.961
828.1	7.9047	35.194	36.672	7.818	27.460	824.383	1.274
835.5	7.8555	35.190	36.626	7.768	27.464	831.783	1.459
841.9	7.8125	35.185	36.584	7.725	27.467	838.683	1.334
849.0	7.7796	35.183	36.554	7.691	27.470	845.467	1.352
856.3	7.8391	35.204	36.633	7.750	27.478	852.650	1.719
863.9	7.8165	35.202	36.613	7.726	27.479	860.100	.917
869.7	7.7885	35.201	36.588	7.698	27.483	866.833	1.458
875.8	7.7591	35.198	36.561	7.668	27.485	872.783	1.219
884.1	7.7290	35.197	36.536	7.637	27.489	879.950	1.348
890.2	7.7105	35.198	36.522	7.618	27.492	887.133	1.380
897.0	7.7015	35.200	36.518	7.608	27.495	893.617	1.250
905.2	7.6475	35.195	36.467	7.554	27.499	901.100	1.433
910.6	7.6305	35.198	36.456	7.536	27.504	907.900	1.650
918.2	7.5696	35.194	36.399	7.475	27.509	914.400	1.739
925.3	7.5355	35.193	36.369	7.440	27.514	921.750	1.468
932.9	7.4991	35.193	36.339	7.403	27.519	929.100	1.632
938.8	7.4661	35.192	36.310	7.370	27.523	935.833	1.603
946.7	7.4545	35.194	36.304	7.358	27.526	942.767	1.176
953.7	7.3841	35.193	36.240	7.287	27.536	950.233	2.222
961.0	7.3205	35.188	36.180	7.223	27.541	957.383	1.747


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 42

STATION 43

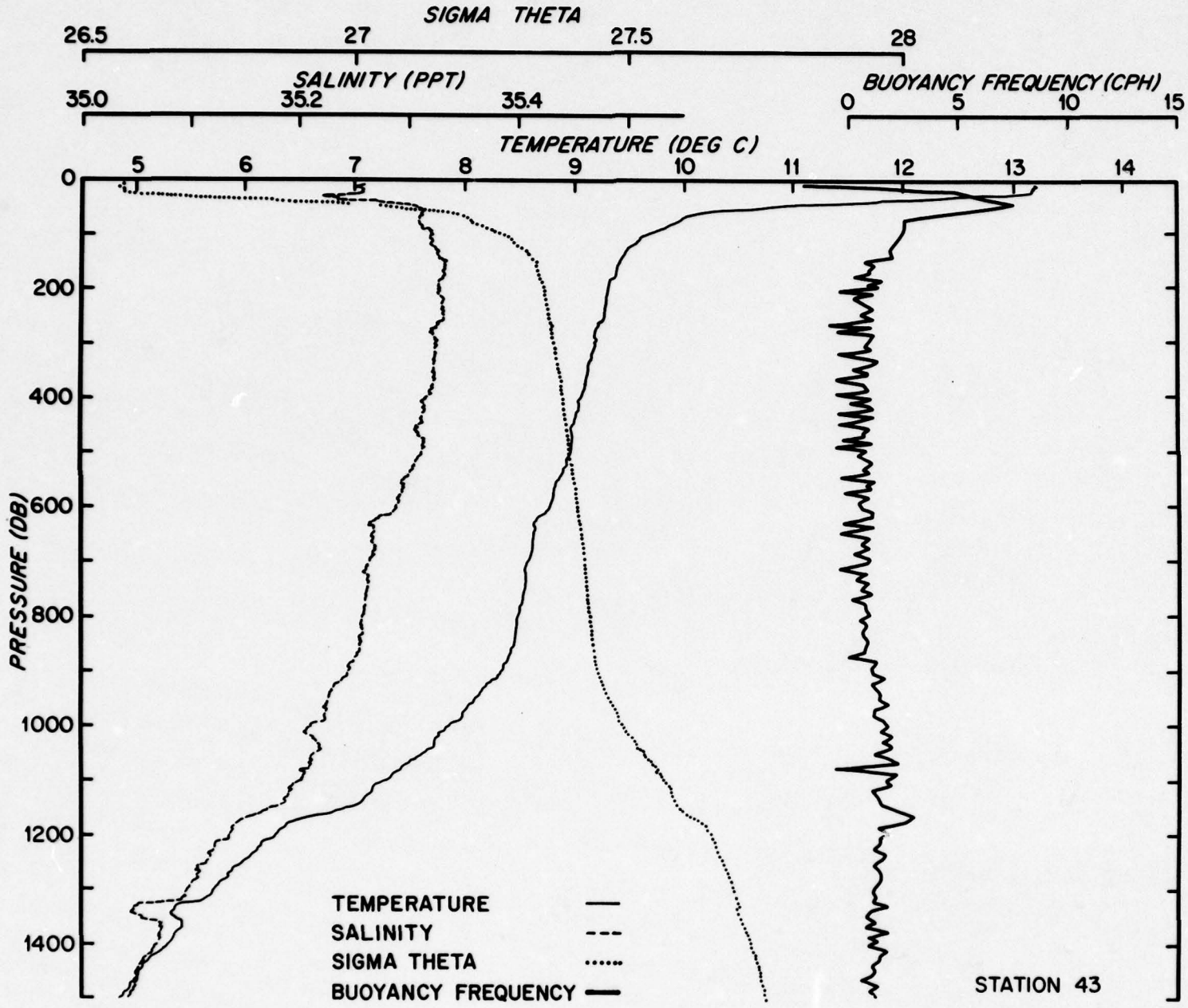
PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/l)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
913.6	8.2419	35.237	37.068	8.143	27.443	908.517	1.569
923.4	8.1986	35.231	37.023	8.099	27.444	918.483	.982
932.3	8.1653	35.229	36.994	8.065	27.448	927.833	1.256
940.8	8.1243	35.227	36.957	8.023	27.452	936.533	1.404
950.7	8.0849	35.225	36.922	7.983	27.457	945.717	1.327
960.6	8.0256	35.225	36.871	7.923	27.466	955.650	1.799
970.0	8.0005	35.224	36.851	7.897	27.469	965.317	1.119
980.6	7.9752	35.223	36.831	7.871	27.472	975.300	1.062
989.7	7.9311	35.222	36.792	7.826	27.478	985.150	1.838
999.7	7.8245	35.210	36.687	7.719	27.485	994.700	1.737
1009.6	7.7655	35.205	36.631	7.659	27.489	1004.67	1.392
1018.3	7.7389	35.212	36.616	7.632	27.499	1013.95	1.922
1029.3	7.7245	35.218	36.613	7.617	27.506	1023.77	1.484
1039.0	7.6604	35.219	36.558	7.552	27.516	1034.12	1.968
1049.1	7.6130	35.214	36.514	7.504	27.519	1044.05	1.194
1058.4	7.5390	35.210	36.446	7.429	27.527	1053.75	1.826
1068.6	7.4514	35.212	36.370	7.341	27.541	1063.48	2.228
1078.4	7.4071	35.200	36.322	7.296	27.538	1073.50	.668
1088.7	7.3300	35.203	36.258	7.219	27.552	1083.55	2.179
1098.5	7.2706	35.201	36.205	7.159	27.559	1093.60	1.666
1108.4	7.1651	35.193	36.104	7.053	27.567	1103.48	1.907
1117.5	7.1459	35.193	36.090	7.033	27.570	1112.95	1.026
1128.1	7.0960	35.189	36.044	6.982	27.574	1122.78	1.257
1136.8	7.0585	35.187	36.012	6.944	27.578	1132.42	1.380
1146.1	6.9825	35.180	35.939	6.868	27.583	1141.42	1.874
1156.1	6.8081	35.164	35.770	6.694	27.596	1151.07	2.388
1166.7	6.5755	35.152	35.546	6.462	27.617	1160.88	2.952
1175.5	6.4135	35.144	35.394	6.301	27.632	1170.58	2.537
1185.5	6.3405	35.140	35.346	6.247	27.636	1180.48	1.317
1195.4	6.2840	35.137	35.278	6.170	27.645	1190.43	1.843
1204.4	6.2485	35.137	35.248	6.134	27.649	1199.87	1.358
1214.3	6.1380	35.122	35.138	6.024	27.652	1209.35	1.421
1224.7	6.1124	35.122	35.119	5.997	27.655	1219.50	1.070
1233.8	6.0570	35.120	35.070	5.941	27.661	1229.25	1.646
1243.6	5.9980	35.117	35.018	5.882	27.666	1238.73	1.488
1253.3	5.9461	35.111	34.969	5.829	27.668	1248.45	1.094
1263.0	5.8826	35.106	34.910	5.766	27.672	1258.15	1.381
1272.5	5.8485	35.107	34.884	5.731	27.677	1267.77	1.469
1282.2	5.7921	35.104	34.834	5.674	27.682	1277.37	1.469
1292.5	5.7410	35.100	34.788	5.622	27.685	1287.35	1.230
1301.4	5.7065	35.097	34.758	5.587	27.687	1296.95	1.091
1311.2	5.6755	35.097	34.733	5.555	27.691	1306.30	1.217
1320.2	5.6101	35.088	34.670	5.490	27.692	1315.68	1.064
1330.4	5.3482	35.049	34.401	5.230	27.693	1325.32	1.790
1341.2	5.3185	35.046	34.377	5.199	27.695	1335.82	.882
1349.9	5.3535	35.055	34.420	5.233	27.698	1345.55	.773
1359.7	5.4141	35.073	34.494	5.292	27.704	1354.78	1.223
1368.7	5.4215	35.076	34.508	5.298	27.706	1364.18	.723
1378.4	5.3472	35.073	34.442	5.224	27.713	1373.53	1.770
1386.3	5.3310	35.072	34.430	5.207	27.714	1382.32	.835
1394.2	5.3025	35.072	34.407	5.178	27.717	1390.25	1.271
1402.9	5.2680	35.067	34.375	5.143	27.718	1398.55	.827
1411.8	5.2035	35.066	34.319	5.078	27.724	1407.35	1.741
1421.2	5.1395	35.060	34.260	5.014	27.727	1416.52	1.387

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/l)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
1429.7	5.0990	35.059	34.225	4.973	27.731	1425.47	1.396
1440.5	5.0475	35.053	34.178	4.921	27.733	1435.10	1.032
1449.5	5.0151	35.052	34.152	4.888	27.735	1444.97	1.184
1457.4	5.0125	35.055	34.155	4.885	27.738	1453.45	1.072
1468.0	4.9844	35.050	34.130	4.856	27.738	1462.70	.681
1477.8	4.9441	35.050	34.097	4.815	27.742	1472.88	1.359
1487.0	4.9201	35.047	34.078	4.791	27.743	1482.42	.852
1495.9	4.8786	35.045	34.041	4.749	27.746	1491.45	1.230
1505.8	4.8486	35.044	34.018	4.718	27.749	1500.83	1.174
1515.4	4.7874	35.038	33.961	4.657	27.751	1510.58	1.255
1524.2	4.7721	35.038	33.951	4.641	27.753	1519.77	.890
1532.2	4.7576	35.037	33.940	4.626	27.753	1528.18	.702
1542.9	4.7470	35.039	33.937	4.614	27.757	1537.67	1.037
1551.1	4.7327	35.037	33.925	4.599	27.756	1547.02	.324
1561.3	4.6046	35.019	33.799	4.472	27.757	1556.22	1.331
1569.6	4.5605	35.014	33.758	4.427	27.758	1565.45	1.075
1580.6	4.5457	35.012	33.748	4.412	27.758	1575.08	.411
1588.8	4.5076	35.009	33.714	4.373	27.760	1584.72	1.116
1599.0	4.4886	35.010	33.702	4.353	27.762	1593.93	1.050
1606.6	4.5031	35.015	33.723	4.367	27.765	1602.83	.962
1615.6	4.5141	35.016	33.739	4.377	27.766	1611.12	.363
1624.9	4.5085	35.020	33.740	4.370	27.768	1620.27	1.010
1632.6	4.5076	35.026	33.747	4.369	27.773	1628.75	1.408
1638.9	4.4970	35.024	33.738	4.358	27.772	1635.73	.309
1647.1	4.4621	35.022	33.708	4.323	27.775	1643.00	1.206
1653.8	4.4355	35.018	33.683	4.296	27.774	1650.45	.678
1662.4	4.4026	35.017	33.657	4.262	27.777	1658.12	1.264
1671.0	4.3801	35.012	33.609	4.210	27.779	1666.70	1.231
1678.0	4.3062	35.007	33.568	4.166	27.780	1674.47	1.131
1686.7	4.2556	35.002	33.522	4.115	27.781	1682.35	1.137
1693.7	4.2066	34.999	33.478	4.066	27.784	1690.20	1.515
1702.7	4.1755	34.995	33.450	4.034	27.785	1698.17	.801
1710.4	4.1596	34.993	33.437	4.018	27.785	1706.52	.544
1718.0	4.1396	34.991	33.421	3.997	27.786	1714.18	.902
1727.3	4.0846	34.988	33.373	3.942	27.789	1722.63	1.623
1734.8	4.0251	34.981	33.317	3.883	27.790	1731.02	1.206
1743.1	3.9881	34.983	33.289	3.845	27.795	1738.95	1.636
1751.8	3.9700	34.982	33.275	3.827	27.796	1747.47	.771
1759.4	3.9452	34.980	33.255	3.802	27.797	1755.62	.959
1766.7	3.9320	34.978	33.244	3.788	27.797	1763.05	.557
1775.6	3.8869	34.977	33.207	3.743	27.801	1771.12	1.435
1783.8	3.8631	34.974	33.186	3.718	27.801	1779.70	.706
1792.0	3.8469	34.974	33.175	3.702	27.803	1787.92	1.013
1800.6	3.8276	34.973	33.160	3.682	27.804	1796.32	.877
1808.6	3.8249	34.973	33.161	3.678	27.804	1804.60	.366
1816.6	3.7872	34.972	33.130	3.640	27.807	1812.57	1.368
1823.9	3.7756	34.971	33.122	3.628	27.808	1820.22	.836

STATION 43

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m³)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
8.8	13.1845	35.260	41.417	13.183	26.574		
12.7	13.1900	35.254	41.416	13.188	26.568	10.750	•2.055
32.6	12.4356	35.236	40.674	12.431	26.705	22.667	4.681
59.6	10.1648	35.314	38.578	10.158	27.187	46.083	7.529
86.4	9.8464	35.313	38.286	9.836	27.241	73.000	2.539
113.4	9.5889	35.320	38.060	9.576	27.290	99.933	2.429
140.3	9.4421	35.327	37.940	9.426	27.320	126.883	1.899
167.1	9.4224	35.334	37.931	9.406	27.329	143.733	2.024
193.7	9.4055	35.331	37.915	9.388	27.330	150.400	•.743
161.0	9.3870	35.331	37.901	9.369	27.333	157.333	1.223
167.6	9.3726	35.330	37.890	9.354	27.334	164.300	•.921
174.7	9.3625	35.331	37.884	9.343	27.336	171.133	•.977
181.2	9.3525	35.329	37.875	9.332	27.336	177.950	•.185
188.0	9.3065	35.328	37.831	9.286	27.341	184.633	1.535
194.5	9.2995	35.328	37.828	9.278	27.343	191.283	•.886
201.4	9.2895	35.328	37.824	9.267	27.346	197.983	1.310
207.8	9.2850	35.326	37.821	9.262	27.346	204.600	••.463
214.6	9.2844	35.330	37.829	9.263	27.348	211.167	1.194
221.5	9.2847	35.329	37.830	9.260	27.348	218.017	•.185
228.5	9.2780	35.328	37.826	9.253	27.349	224.983	•.506
235.4	9.2748	35.329	37.827	9.249	27.350	231.950	•.803
241.9	9.2646	35.330	37.821	9.238	27.352	238.650	1.102
249.4	9.2620	35.330	37.822	9.234	27.353	245.633	•.524
256.9	9.2525	35.330	37.816	9.224	27.354	252.633	•.931
262.5	9.2184	35.326	37.782	9.189	27.357	259.200	1.145
268.2	9.2086	35.322	37.771	9.179	27.358	265.333	••.921
275.7	9.1890	35.321	37.755	9.158	27.357	271.933	1.077
282.2	9.1891	35.320	37.757	9.158	27.357	278.933	••.579
288.8	9.1857	35.322	37.753	9.154	27.359	285.483	1.098
295.4	9.1869	35.325	37.765	9.153	27.361	292.117	•.931
302.2	9.1746	35.324	37.754	9.141	27.362	298.817	•.764
309.4	9.1625	35.322	37.744	9.128	27.363	305.783	•.668
315.5	9.1581	35.324	37.746	9.123	27.365	312.433	1.024
322.2	9.1560	35.322	37.746	9.120	27.364	318.850	••.560
329.7	9.1479	35.321	37.740	9.111	27.364	325.950	•.413
336.4	9.1284	35.321	37.725	9.091	27.368	333.033	1.344
342.1	9.1236	35.323	37.725	9.086	27.369	339.233	1.055
348.9	9.1215	35.322	37.725	9.083	27.369	345.517	•.256
356.1	9.1146	35.323	37.722	9.075	27.371	352.500	•.842
362.3	9.1086	35.323	37.720	9.068	27.372	359.200	•.815
369.3	9.1050	35.321	37.717	9.064	27.371	365.833	••.652
376.8	9.0936	35.319	37.709	9.052	27.372	373.050	•.684
382.1	9.0892	35.320	37.707	9.047	27.373	379.417	•.768
390.1	9.0715	35.318	37.693	9.028	27.374	386.067	•.929
397.3	9.0575	35.314	37.679	9.013	27.373	393.683	••.560
403.8	9.0315	35.311	37.654	8.987	27.375	400.567	•.940
409.9	9.0411	35.313	37.667	8.996	27.375	406.883	•.111
416.6	9.0394	35.314	37.670	8.993	27.377	413.267	•.908
424.9	9.0155	35.313	37.650	8.968	27.380	420.733	1.133
431.0	9.0098	35.311	37.646	8.962	27.379	427.933	••.552
437.0	8.9979	35.311	37.637	8.950	27.381	434.017	1.110
444.5	8.9944	35.311	37.637	8.945	27.381	440.783	•.551
451.4	8.9743	35.306	37.616	8.924	27.381	447.950	••.521
458.2	8.9671	35.307	37.613	8.916	27.382	454.800	•.967

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m³)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
465.1	8.9700	35.308	37.621	8.919	27.383	461.450	•.645
472.1	8.9860	35.313	37.643	8.934	27.384	468.567	•.690
478.9	8.9869	35.312	37.645	8.932	27.384	475.500	••.327
485.1	8.9759	35.313	37.640	8.922	27.386	482.017	1.080
492.2	8.9740	35.311	37.639	8.919	27.385	488.650	••.633
498.6	8.9633	35.311	37.631	8.908	27.386	498.383	•.816
506.5	8.9461	35.307	37.615	8.890	27.386	502.550	•.437
512.9	8.9305	35.305	37.601	8.874	27.387	509.717	•.724
519.6	8.9187	35.305	37.593	8.861	27.389	516.233	•.987
526.2	8.9038	35.303	37.580	8.846	27.390	522.867	•.833
533.3	8.8805	35.299	37.557	8.822	27.390	529.717	•.556
540.0	8.8728	35.299	37.553	8.813	27.392	536.650	•.892
546.9	8.8500	35.294	37.530	8.790	27.391	543.450	••.342
553.9	8.8215	35.291	37.503	8.761	27.393	550.367	1.148
561.4	8.8225	35.293	37.509	8.761	27.395	557.633	•.770
568.2	8.8094	35.292	37.500	8.747	27.397	564.800	•.985
575.5	8.8000	35.290	37.492	8.737	27.396	571.867	••.267
585.1	8.7885	35.290	37.485	8.724	27.398	580.333	•.832
593.8	8.7745	35.287	37.473	8.709	27.398	589.483	•.386
603.1	8.7599	35.285	37.461	8.694	27.399	598.483	•.591
612.5	8.6900	35.273	37.389	8.623	27.401	607.800	1.036
621.3	8.6499	35.268	37.349	8.582	27.403	616.867	•.995
630.8	8.6256	35.262	37.325	8.557	27.402	626.033	••.315
640.2	8.6315	35.267	37.340	8.562	27.405	635.483	1.094
648.9	8.6229	35.265	37.333	8.552	27.404	644.550	••.471
658.6	8.6170	35.266	37.333	8.545	27.406	653.783	•.857
667.4	8.6229	35.268	37.345	8.550	27.407	663.033	•.522
677.7	8.6073	35.268	37.334	8.533	27.409	672.550	•.917
686.7	8.6005	35.266	37.330	8.526	27.409	682.200	•.176
695.4	8.5770	35.263	37.309	8.501	27.411	691.050	•.883
704.3	8.5621	35.262	37.298	8.485	27.412	699.817	•.845
714.0	8.5506	35.259	37.288	8.473	27.411	709.150	••.480
723.8	8.5565	35.262	37.301	8.478	27.413	718.933	•.762
731.8	8.5535	35.261	37.301	8.474	27.413	727.800	•.236
741.4	8.5445	35.262	37.297	8.464	27.415	736.600	•.796
751.4	8.5340	35.260	37.290	8.452	27.415	746.433	•.498
760.0	8.5209	35.261	37.282	8.438	27.417	755.717	1.028
769.2	8.5150	35.259	37.279	8.431	27.417	764.600	•.098
779.0	8.5010	35.258	37.269	8.416	27.418	774.083	•.740
788.4	8.4975	35.259	37.271	8.412	27.420	783.667	•.711
798.2	8.4751	35.257	37.252	8.388	27.422	793.300	•.892
807.7	8.4695	35.256	37.250	8.382	27.422	802.950	•.387
817.7	8.4675	35.258	37.254	8.378	27.423	812.667	•.755
827.4	8.4645	35.258	37.256	8.374	27.424	822.550	•.551
837.3	8.4485	35.255	37.243	8.357	27.425	832.383	•.595
846.6	8.4399	35.256	37.239	8.348	27.426	841.983	•.820
855.2	8.4254	35.254	37.228	8.332	27.427	850.917	•.739
865.3	8.4091	35.252	37.215	8.315	27.428	860.267	•.645
874.5	8.3960	35.249	37.203	8.301	27.428	869.900	••.064
884.2	8.3504	35.244	37.161	8.254	27.431	879.333	1.232
894.6	8.3434	35.247	37.161	8.246	27.434	889.417	•.972
903.4	8.3107	35.243	37.130	8.213	27.436	899.033	•.990

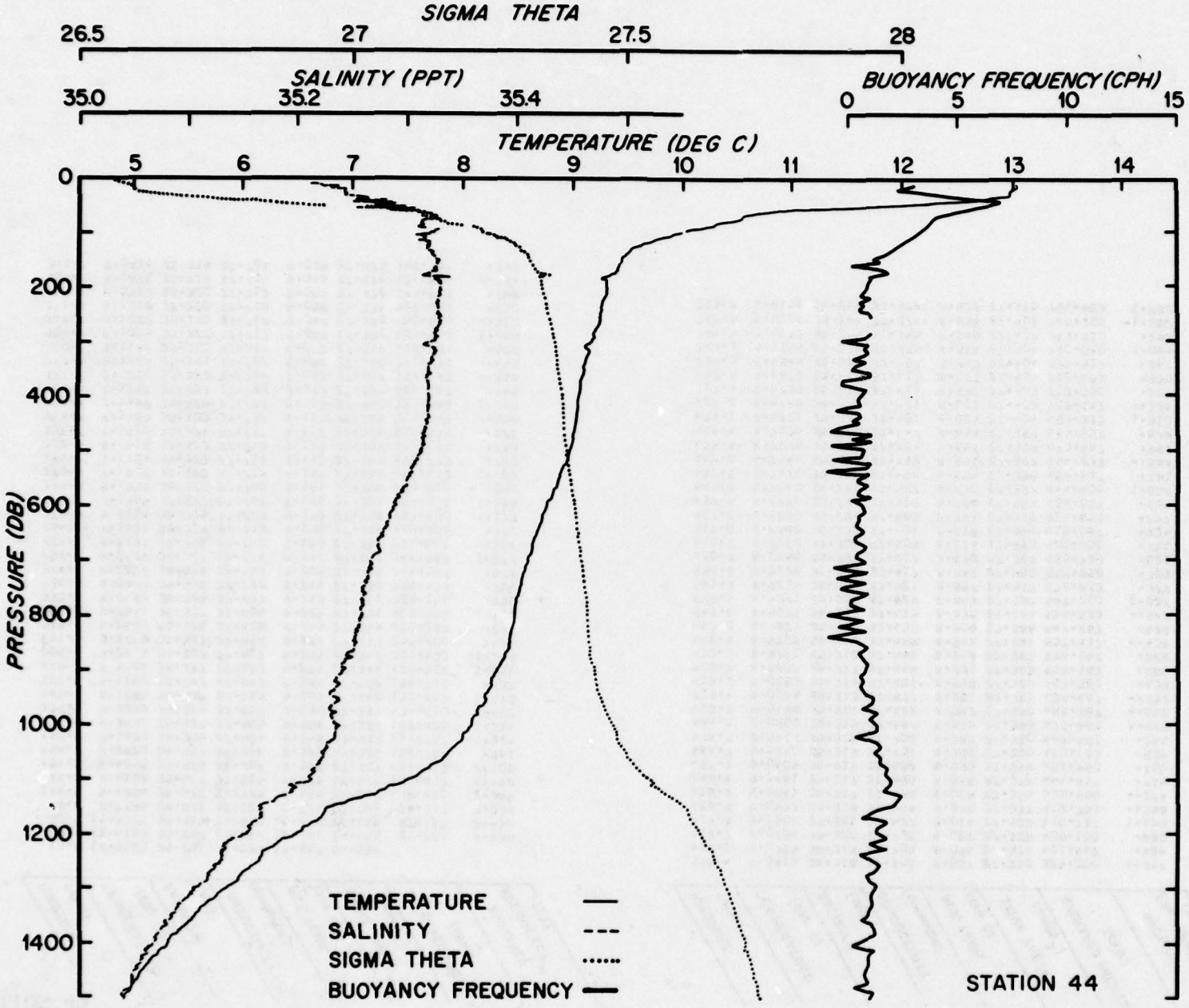

SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 43

STATION 44

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
911.0	8.2966	35.238	37.115	8.198	27.434	906.217	.739
921.4	8.2915	35.240	37.117	8.192	27.437	916.217	.907
931.4	8.2655	35.236	37.093	8.165	27.438	926.400	.736
941.5	8.2346	35.232	37.065	8.133	27.439	936.467	.874
951.5	8.2397	35.240	37.081	8.137	27.445	946.533	1.299
961.5	8.1760	35.232	37.019	8.072	27.449	956.517	1.307
971.6	8.1660	35.232	37.014	8.061	27.450	966.550	.779
981.9	8.1265	35.233	36.982	8.021	27.457	976.767	1.510
991.5	8.1159	35.234	36.978	8.009	27.460	986.733	1.072
1002.2	8.0865	35.238	36.958	7.979	27.467	996.883	1.510
1011.6	8.0387	35.236	36.915	7.930	27.472	1006.93	1.541
1023.0	8.0320	35.235	36.913	7.922	27.473	1017.32	.487
1032.5	7.9669	35.229	36.851	7.857	27.478	1027.75	1.467
1042.2	7.9114	35.228	36.802	7.801	27.485	1037.37	1.697
1052.5	7.8659	35.225	36.762	7.754	27.490	1047.38	1.376
1062.6	7.7976	35.222	36.700	7.685	27.498	1057.55	1.740
1072.5	7.7386	35.220	36.647	7.626	27.505	1067.52	1.663
1082.2	7.6564	35.219	36.573	7.543	27.516	1077.35	2.038
1092.7	7.5590	35.213	36.492	7.445	27.526	1087.48	1.929
1102.0	7.4715	35.212	36.404	7.357	27.538	1097.38	2.214
1111.6	7.3456	35.202	36.281	7.232	27.549	1106.82	2.121
1121.7	7.2607	35.198	36.203	7.146	27.557	1116.63	1.844
1131.1	7.0781	35.186	36.027	6.964	27.574	1126.40	2.680
1141.8	6.8920	35.172	35.846	6.778	27.589	1136.45	2.443

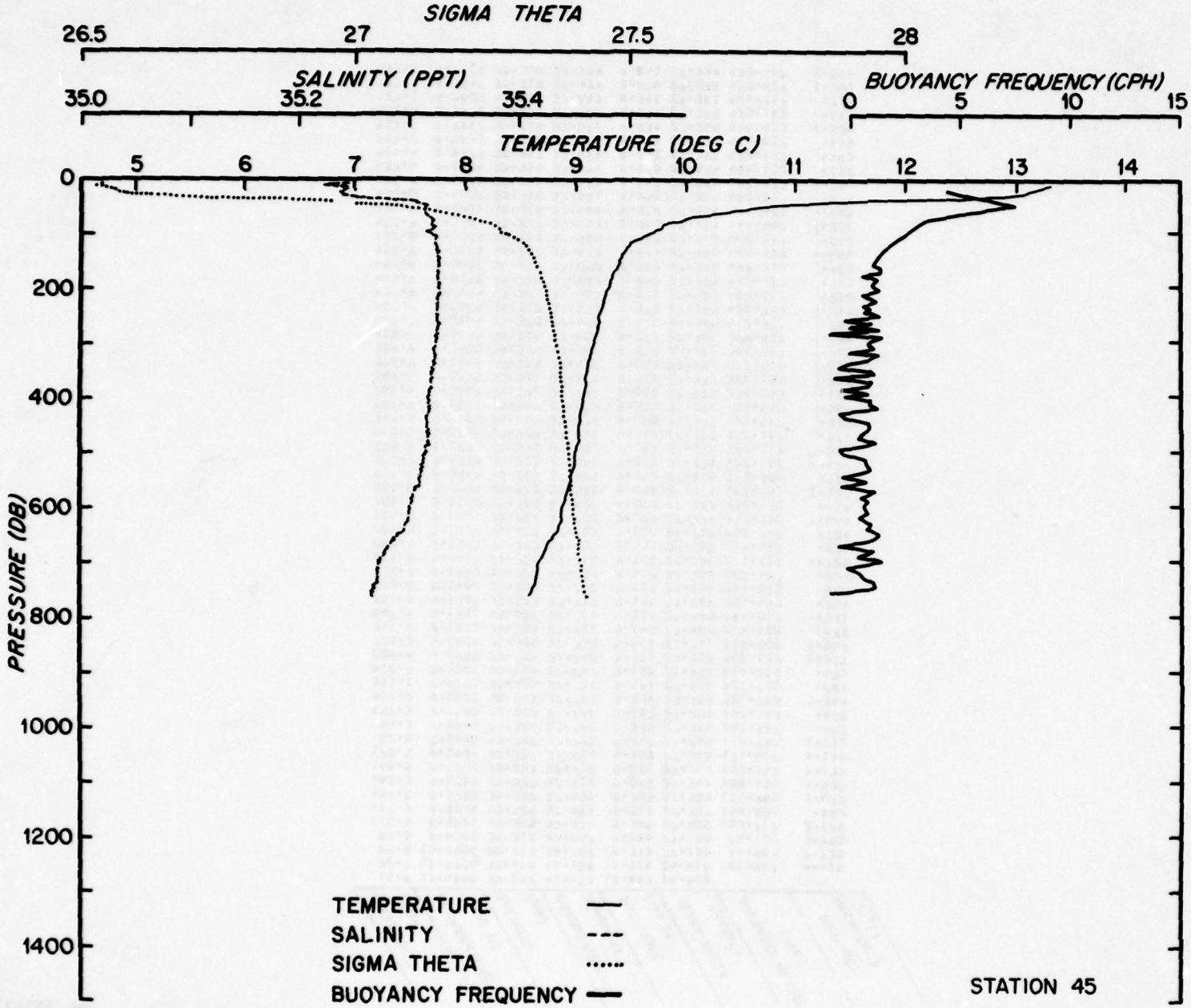
STATION 44

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
9.7	13.0269	35.210	41.712	13.026	26.567		
17.4	12.9996	35.233	41.212	12.997	26.590	13.550	3.079
30.0	12.9306	35.241	41.159	12.926	26.611	23.700	2.277
56.4	10.9351	35.281	39.282	10.928	27.024	43.183	7.043
84.2	10.2491	35.312	38.669	10.239	27.171	70.317	4.105
111.8	9.6915	35.315	38.153	9.679	27.269	98.000	3.383
138.0	9.4689	35.321	37.959	9.453	27.311	124.883	2.286
165.2	9.4405	35.324	37.938	9.424	27.318	141.600	1.736
151.3	9.4344	35.326	37.937	9.417	27.321	148.267	1.254
158.1	9.4007	35.325	37.907	9.383	27.325	154.717	1.485
164.8	9.3915	35.323	37.899	9.373	27.325	161.433	.167
171.7	9.3441	35.319	37.854	9.325	27.330	168.233	1.549
178.2	9.2605	35.311	37.769	9.241	27.338	174.950	1.958
184.1	9.2985	35.322	37.818	9.278	27.340	181.150	1.073
191.0	9.3096	35.327	37.838	9.288	27.342	187.550	1.100
198.3	9.3035	35.329	37.836	9.281	27.344	194.667	.944
204.7	9.2971	35.329	37.834	9.274	27.346	201.500	.917
211.2	9.2876	35.329	37.827	9.264	27.347	207.917	.773
218.7	9.2705	35.326	37.812	9.246	27.348	214.933	.636
225.2	9.2585	35.326	37.803	9.233	27.350	221.933	1.110
231.6	9.2570	35.327	37.806	9.231	27.351	228.400	.616
238.7	9.2495	35.327	37.801	9.223	27.352	235.167	.777
244.6	9.2500	35.328	37.806	9.223	27.353	241.667	.619
251.5	9.2405	35.328	37.800	9.213	27.355	248.083	1.004
258.2	9.2354	35.330	37.800	9.207	27.357	254.850	1.090
264.4	9.2276	35.327	37.793	9.198	27.356	261.283	-.621
202.5	9.2090	35.359	37.777	9.147	27.384	233.433	-1.164
276.8	9.1985	35.326	37.770	9.168	27.360	239.650	-.972
283.2	9.1829	35.324	37.755	9.151	27.360	280.000	.628
290.2	9.1759	35.326	37.754	9.144	27.363	286.667	1.129
296.0	9.1575	35.323	37.736	9.125	27.364	293.083	.795
302.9	9.1106	35.312	37.685	9.077	27.363	299.433	-.245
308.9	9.1409	35.321	37.725	9.107	27.366	305.900	1.023
315.2	9.1455	35.324	37.734	9.111	27.367	312.050	.758
322.1	9.1260	35.322	37.717	9.090	27.368	318.633	.975
327.4	9.1195	35.322	37.713	9.083	27.369	324.767	.778
335.0	9.1122	35.320	37.708	9.075	27.369	331.233	.272
341.2	9.0945	35.318	37.692	9.057	27.371	338.100	.865
347.2	9.0937	35.318	37.694	9.055	27.371	344.167	.427
353.9	9.0919	35.318	37.695	9.053	27.371	350.550	.290
360.6	9.0767	35.317	37.683	9.037	27.373	357.283	1.028
366.5	9.0686	35.318	37.679	9.028	27.375	363.567	1.120
373.8	9.0694	35.318	37.683	9.028	27.375	370.167	-.193
379.5	9.0680	35.318	37.684	9.026	27.374	376.683	-.234
395.2	9.0544	35.319	37.679	9.011	27.378	387.383	.850
413.6	9.0510	35.320	37.685	9.005	27.379	404.433	.534
419.4	9.0420	35.319	37.678	8.996	27.380	416.500	.663
426.3	9.0410	35.318	37.680	8.994	27.379	422.833	-.400
433.1	9.0393	35.318	37.681	8.991	27.380	429.683	.531
439.6	9.0350	35.318	37.680	8.986	27.381	436.317	.706
446.2	9.0300	35.318	37.678	8.981	27.381	442.867	.376
452.8	9.0258	35.318	37.677	8.976	27.381	449.467	.633
459.5	9.0205	35.316	37.673	8.970	27.381	456.150	-.074
465.9	9.0174	35.314	37.671	8.966	27.380	462.733	-.698
472.2	9.0107	35.316	37.669	8.958	27.382	469.083	1.131
478.8	9.0055	35.315	37.666	8.952	27.382	475.517	.286
485.0	8.9945	35.315	37.659	8.941	27.385	481.900	1.137
491.4	8.9880	35.312	37.653	8.933	27.383	488.433	-.709
497.7	8.9795	35.312	37.647	8.924	27.384	494.800	.770
505.1	8.9643	35.310	37.635	8.908	27.385	501.400	.793
512.0	8.9542	35.309	37.627	8.897	27.386	508.533	.742
518.0	8.9431	35.306	37.616	8.886	27.386	514.983	-.541
525.1	8.9210	35.304	37.597	8.863	27.388	521.550	1.124
532.6	8.9069	35.304	37.587	8.848	27.390	528.867	1.036
538.1	8.9031	35.302	37.584	8.844	27.389	535.367	-.852
545.3	8.8814	35.301	37.565	8.821	27.391	541.733	1.142
552.5	8.8740	35.300	37.561	8.813	27.392	548.933	.565
558.7	8.8660	35.299	37.555	8.804	27.392	555.600	.532
565.9	8.8415	35.296	37.532	8.779	27.394	562.300	1.010
572.3	8.8294	35.294	37.522	8.766	27.395	569.133	.712
580.2	8.8237	35.294	37.520	8.760	27.396	576.267	.576
586.4	8.7887	35.289	37.485	8.724	27.398	583.300	1.130
593.1	8.7835	35.288	37.482	8.718	27.397	589.733	.263
600.0	8.7723	35.287	37.474	8.706	27.399	596.533	.782
607.0	8.7550	35.286	37.459	8.688	27.400	603.500	.867
613.7	8.7405	35.284	37.447	8.673	27.401	610.350	.929
620.1	8.7385	35.285	37.449	8.670	27.402	616.917	.621
630.4	8.7212	35.283	37.435	8.652	27.403	625.267	.696
640.6	8.6981	35.278	37.413	8.628	27.403	635.483	.504
650.2	8.6850	35.278	37.405	8.614	27.405	645.383	.854
658.7	8.6645	35.274	37.386	8.592	27.405	654.433	.481
668.4	8.6565	35.273	37.381	8.583	27.406	663.533	.470
677.1	8.6535	35.276	37.385	8.579	27.408	672.750	1.025
687.6	8.6190	35.270	37.351	8.544	27.409	682.333	.641
696.0	8.6065	35.268	37.341	8.530	27.409	691.783	.519
705.4	8.5885	35.267	37.328	8.511	27.412	700.683	.934
714.7	8.5849	35.265	37.327	8.507	27.411	710.033	-.447
724.7	8.5675	35.265	37.315	8.488	27.414	719.683	1.051
734.0	8.5566	35.262	37.306	8.476	27.413	729.350	-.299
743.7	8.5389	35.262	37.293	8.458	27.416	738.850	.992
753.2	8.5295	35.260	37.286	8.447	27.415	748.417	-.198
763.1	8.5124	35.260	37.275	8.429	27.419	758.117	1.094
773.2	8.5095	35.260	37.276	8.425	27.419	768.150	.359
782.1	8.5050	35.259	37.275	8.420	27.419	777.650	.247
792.6	8.4964	35.260	37.273	8.410	27.421	787.317	.939
801.7	8.4984	35.258	37.276	8.411	27.419	797.150	-.879
812.0	8.4876	35.259	37.272	8.399	27.421	806.850	.908
822.2	8.4725	35.255	37.258	8.383	27.420	817.083	-.210
831.8	8.4609	35.256	37.252	8.370	27.423	827.017	.953
841.3	8.4579	35.253	37.251	8.366	27.421	836.550	-.693
852.0	8.4525	35.254	37.251	8.360	27.423	846.617	.727
861.9	8.4284	35.253	37.232	8.334	27.426	856.917	1.105
872.0	8.4156	35.251	37.223	8.321	27.427	866.950	.637
881.8	8.3741	35.245	37.182	8.278	27.428	876.917	.840
891.1	8.3511	35.244	37.164	8.254	27.431	886.450	1.094
901.4	8.3224	35.241	37.139	8.225	27.433	896.250	1.009


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 44

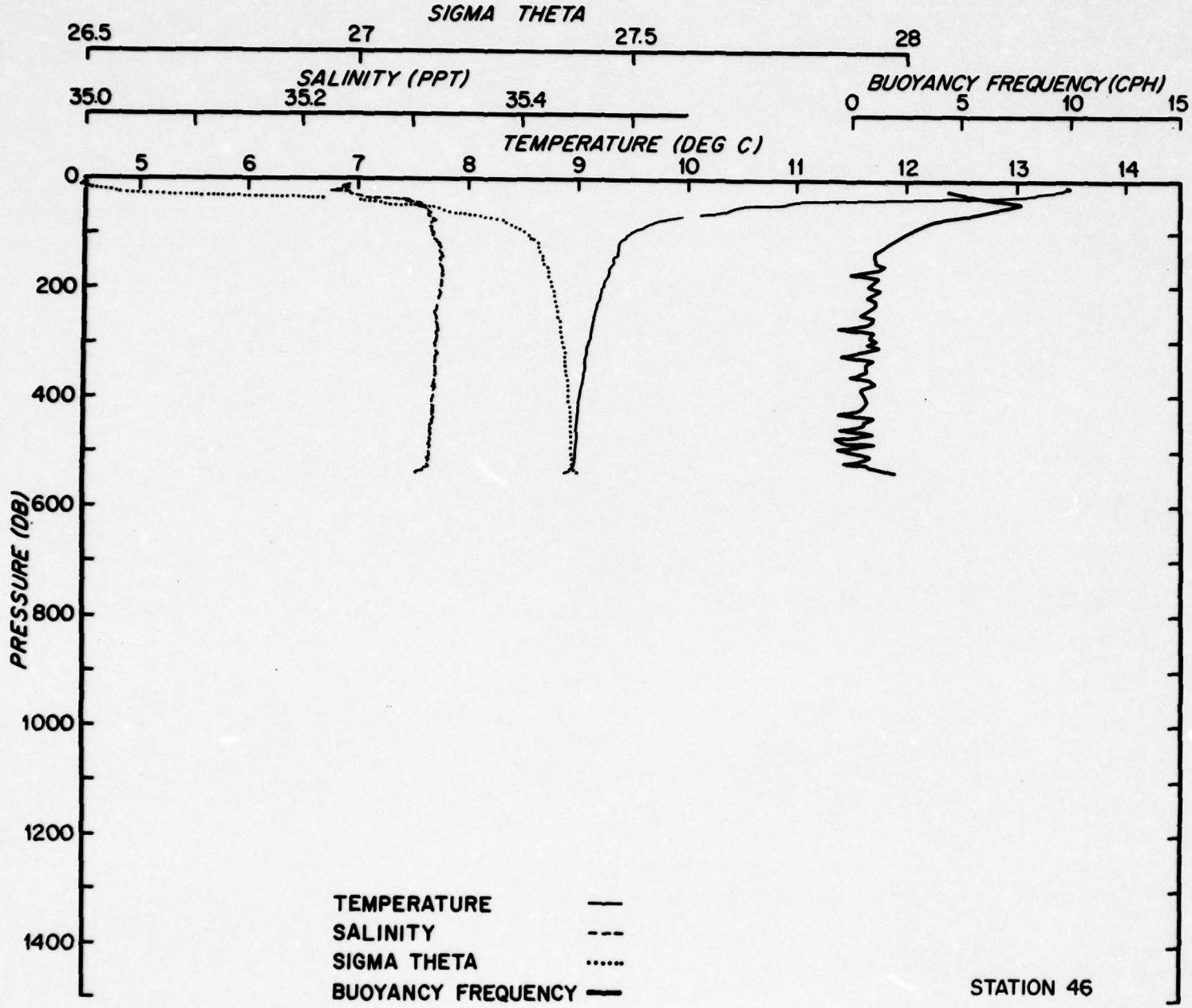
STATION 45

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m³)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
10.2	13.3180	35.251	41.536	13.317	24.539		
33.4	12.6155	35.253	40.467	12.611	26.683	21.783	4.438
60.9	10.2875	35.313	38.695	10.280	27.165	47.117	7.496
88.8	9.7744	35.321	38.227	9.764	27.260	74.817	3.335
116.5	9.4996	35.322	37.979	9.486	27.307	102.650	2.345
144.7	9.4138	35.327	37.915	9.398	27.325	130.617	1.452
151.3	9.4015	35.328	37.907	9.385	27.327	147.983	1.105
158.3	9.3870	35.327	37.896	9.369	27.329	154.767	.941
165.2	9.3630	35.326	37.876	9.345	27.333	161.717	1.334
171.6	9.3430	35.327	37.860	9.324	27.336	168.400	1.361
178.2	9.3395	35.326	37.859	9.320	27.337	174.900	.490
185.1	9.3250	35.327	37.849	9.304	27.340	181.617	1.192
192.4	9.3150	35.327	37.843	9.294	27.342	188.717	.927
198.7	9.3005	35.327	37.832	9.278	27.344	195.517	1.051
205.6	9.2813	35.327	37.817	9.258	27.347	202.150	1.286
211.8	9.2795	35.327	37.818	9.256	27.347	208.700	.484
218.7	9.2640	35.326	37.805	9.240	27.349	215.233	.843
225.5	9.2541	35.327	37.800	9.229	27.351	222.083	1.111
232.8	9.2450	35.325	37.793	9.219	27.351	229.150	.490
238.0	9.2382	35.325	37.789	9.212	27.353	235.433	.904
244.3	9.2334	35.325	37.787	9.206	27.353	241.167	.579
251.6	9.2189	35.327	37.778	9.191	27.357	247.967	1.272
257.7	9.2187	35.326	37.780	9.190	27.356	254.667	.348
264.1	9.2150	35.328	37.785	9.190	27.358	260.883	.872
270.7	9.2106	35.326	37.778	9.180	27.358	267.400	.193
277.3	9.1969	35.327	37.769	9.166	27.361	274.033	1.246
284.5	9.1959	35.323	37.768	9.164	27.358	280.900	1.022
290.6	9.1806	35.325	37.758	9.149	27.362	287.533	1.423
296.9	9.1754	35.325	37.756	9.142	27.363	293.733	.720
303.4	9.1615	35.323	37.744	9.128	27.364	300.150	.793
309.7	9.1510	35.324	37.737	9.117	27.366	306.583	.998
316.5	9.1484	35.323	37.737	9.113	27.365	313.267	.059
323.4	9.1389	35.325	37.733	9.103	27.368	320.083	1.224
330.6	9.1254	35.323	37.722	9.089	27.369	326.967	.745
337.5	9.1250	35.323	37.724	9.088	27.369	334.033	.216
343.4	9.1225	35.321	37.723	9.084	27.368	340.433	.645
350.4	9.1140	35.320	37.717	9.075	27.369	346.900	.657
357.4	9.1089	35.322	37.717	9.069	27.371	353.900	1.043
364.3	9.1079	35.320	37.717	9.067	27.370	360.850	.813
371.0	9.1002	35.320	37.713	9.059	27.371	367.683	.900
378.1	9.0953	35.320	37.712	9.053	27.372	374.583	.759
384.7	9.0891	35.318	37.707	9.046	27.372	381.400	.454
391.7	9.0826	35.318	37.704	9.039	27.373	388.200	.745
398.4	9.0816	35.318	37.705	9.037	27.372	395.050	.347
405.6	9.0795	35.319	37.708	9.034	27.374	401.967	.858
412.7	9.0724	35.320	37.705	9.027	27.375	409.150	.880
418.8	9.0606	35.320	37.697	9.014	27.378	415.767	1.150
426.8	9.0577	35.318	37.696	9.010	27.377	422.783	.565
436.8	9.0565	35.317	37.698	9.008	27.376	431.800	.374
446.8	9.0481	35.317	37.695	8.998	27.378	441.817	.754
455.7	9.0455	35.319	37.698	8.995	27.379	451.250	.835
464.7	9.0440	35.319	37.701	8.992	27.380	460.183	.534
474.5	9.0413	35.319	37.702	8.989	27.380	469.583	.266
484.8	9.0200	35.319	37.687	8.966	27.383	479.667	1.079
493.9	9.0140	35.316	37.682	8.959	27.382	489.367	.583
503.4	9.0066	35.313	37.677	8.951	27.381	498.667	.453
513.2	9.0053	35.314	37.681	8.948	27.382	508.300	.633
523.2	8.9890	35.312	37.668	8.931	27.383	518.183	.660
533.1	8.9771	35.312	37.661	8.918	27.385	528.167	.822
542.5	8.9725	35.310	37.659	8.912	27.384	537.817	.438
552.0	8.9675	35.310	37.659	8.906	27.385	547.267	.632
561.4	8.9575	35.307	37.650	8.895	27.384	556.833	.503
572.4	8.9321	35.305	37.629	8.869	27.387	567.000	1.007
581.3	8.9215	35.303	37.621	8.857	27.387	576.833	.379
590.6	8.9125	35.303	37.617	8.847	27.388	585.950	.723
600.9	8.8995	35.301	37.607	8.833	27.389	595.733	.521
610.3	8.8910	35.301	37.603	8.823	27.390	605.600	.720
619.8	8.8882	35.300	37.604	8.819	27.390	615.067	.304
629.5	8.8610	35.297	37.580	8.791	27.392	624.650	.897
639.8	8.8490	35.296	37.572	8.778	27.393	634.633	.638
649.8	8.8015	35.291	37.527	8.730	27.397	644.800	1.238
659.5	8.7670	35.286	37.494	8.694	27.398	654.667	.861
669.0	8.7546	35.282	37.482	8.681	27.397	664.233	.584
678.8	8.7295	35.280	37.461	8.655	27.399	673.867	.963
688.6	8.7136	35.276	37.447	8.638	27.399	683.667	.279
698.1	8.6821	35.276	37.421	8.605	27.404	693.333	1.310
708.2	8.6785	35.274	37.421	8.601	27.403	703.167	.306
717.6	8.6735	35.273	37.419	8.595	27.403	712.900	.269
727.8	8.6670	35.272	37.417	8.587	27.404	722.683	.485
738.0	8.6344	35.269	37.387	8.553	27.406	732.917	.961
743.1	8.6298	35.270	37.386	8.548	27.408	740.550	1.044
746.8	8.6275	35.269	37.385	8.546	27.408	744.950	.299
749.8	8.6200	35.266	37.376	8.538	27.406	748.300	1.052
753.2	8.6104	35.269	37.372	8.528	27.410	751.483	1.932


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 45

STATION 46

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSL (dbar)	BUOYANCY FREQUENCY (cph)
11.8	13.4445	35.242	41.073	13.463	24.502		
30.7	12.9206	35.248	41.158	12.916	24.618	21.267	4.410
59.2	10.3505	35.315	38.757	10.343	27.155	44.967	7.735
89.0	9.6061	35.318	38.063	9.596	27.285	74.100	3.740
118.4	9.3821	35.325	37.871	9.369	27.329	103.717	2.179
147.3	9.3334	35.325	37.838	9.317	27.337	132.850	.982
154.2	9.3255	35.327	37.835	9.308	27.339	150.750	1.079
162.0	9.3010	35.327	37.816	9.283	27.344	158.100	1.407
168.5	9.2902	35.328	37.809	9.271	27.346	165.217	1.035
175.3	9.2886	35.327	37.810	9.269	27.346	171.867	-.166
182.6	9.2695	35.327	37.795	9.249	27.349	178.950	1.211
189.3	9.2605	35.327	37.790	9.239	27.351	185.967	.922
197.3	9.2485	35.326	37.781	9.227	27.351	193.283	.679
204.3	9.2265	35.326	37.763	9.204	27.355	200.783	1.264
211.1	9.2170	35.326	37.757	9.194	27.356	207.700	.882
218.9	9.2061	35.324	37.749	9.182	27.357	214.983	.651
225.4	9.1955	35.325	37.742	9.171	27.359	222.133	1.039
233.3	9.1806	35.325	37.732	9.155	27.362	229.350	1.067
240.9	9.1671	35.323	37.721	9.140	27.363	237.100	.670
247.1	9.1611	35.322	37.717	9.134	27.363	244.017	.331
254.2	9.1565	35.323	37.717	9.128	27.364	250.683	.904
262.2	9.1456	35.323	37.710	9.117	27.366	258.233	.839
268.7	9.1420	35.323	37.709	9.112	27.366	265.467	.534
274.7	9.1414	35.321	37.710	9.111	27.365	271.717	-.721
282.2	9.1355	35.323	37.709	9.104	27.367	278.467	.954
289.3	9.1316	35.323	37.709	9.100	27.368	285.767	.734
296.8	9.1201	35.324	37.702	9.087	27.371	293.050	1.089
304.1	9.1101	35.323	37.695	9.076	27.372	300.450	.614
311.2	9.0925	35.323	37.682	9.058	27.375	307.650	1.255
318.6	9.0885	35.323	37.681	9.053	27.375	314.900	.385
325.7	9.0876	35.321	37.682	9.052	27.374	322.167	-.597
332.3	9.0840	35.323	37.683	9.047	27.376	329.017	.953
340.0	9.0786	35.322	37.681	9.041	27.377	336.167	.576
347.6	9.0730	35.322	37.679	9.035	27.377	343.817	.639
354.7	9.0697	35.322	37.679	9.030	27.378	351.183	.554
362.4	9.0687	35.322	37.681	9.029	27.378	358.583	-.180
369.8	9.0555	35.321	37.671	9.015	27.379	366.100	.853
376.8	9.0504	35.323	37.671	9.009	27.381	373.283	1.031
384.2	9.0405	35.321	37.663	8.998	27.381	380.517	.320
415.1	9.0191	35.320	37.656	8.973	27.384	399.667	.626
422.7	9.0186	35.320	37.659	8.972	27.385	418.917	.350
430.8	9.0205	35.319	37.663	8.973	27.383	426.783	-.719
437.4	9.0194	35.321	37.667	8.971	27.385	434.117	.990
443.8	9.0119	35.320	37.662	8.963	27.385	440.617	.500
452.8	9.0061	35.319	37.659	8.956	27.386	448.333	.423
458.9	9.0045	35.317	37.659	8.954	27.385	455.883	-.666
465.6	9.0009	35.319	37.660	8.949	27.386	462.283	.940
473.3	9.0025	35.317	37.663	8.950	27.384	469.467	-.825
480.5	9.0051	35.316	37.668	8.952	27.384	476.883	-.488
486.0	9.0037	35.318	37.671	8.950	27.385	483.217	.971
492.6	9.0025	35.316	37.671	8.948	27.384	489.283	-.750
499.6	9.0034	35.316	37.675	8.948	27.384	496.100	.127
506.9	8.9978	35.317	37.673	8.942	27.385	503.233	.783
513.2	8.9930	35.316	37.671	8.936	27.385	510.017	.499
518.0	8.9917	35.315	37.671	8.934	27.385	515.600	-.506
522.3	8.9872	35.315	37.668	8.929	27.385	520.183	.677
527.1	8.9800	35.314	37.663	8.921	27.386	524.717	.718
531.7	8.9545	35.312	37.639	8.896	27.388	529.417	1.398
535.4	8.9005	35.306	37.584	8.841	27.392	533.567	1.954

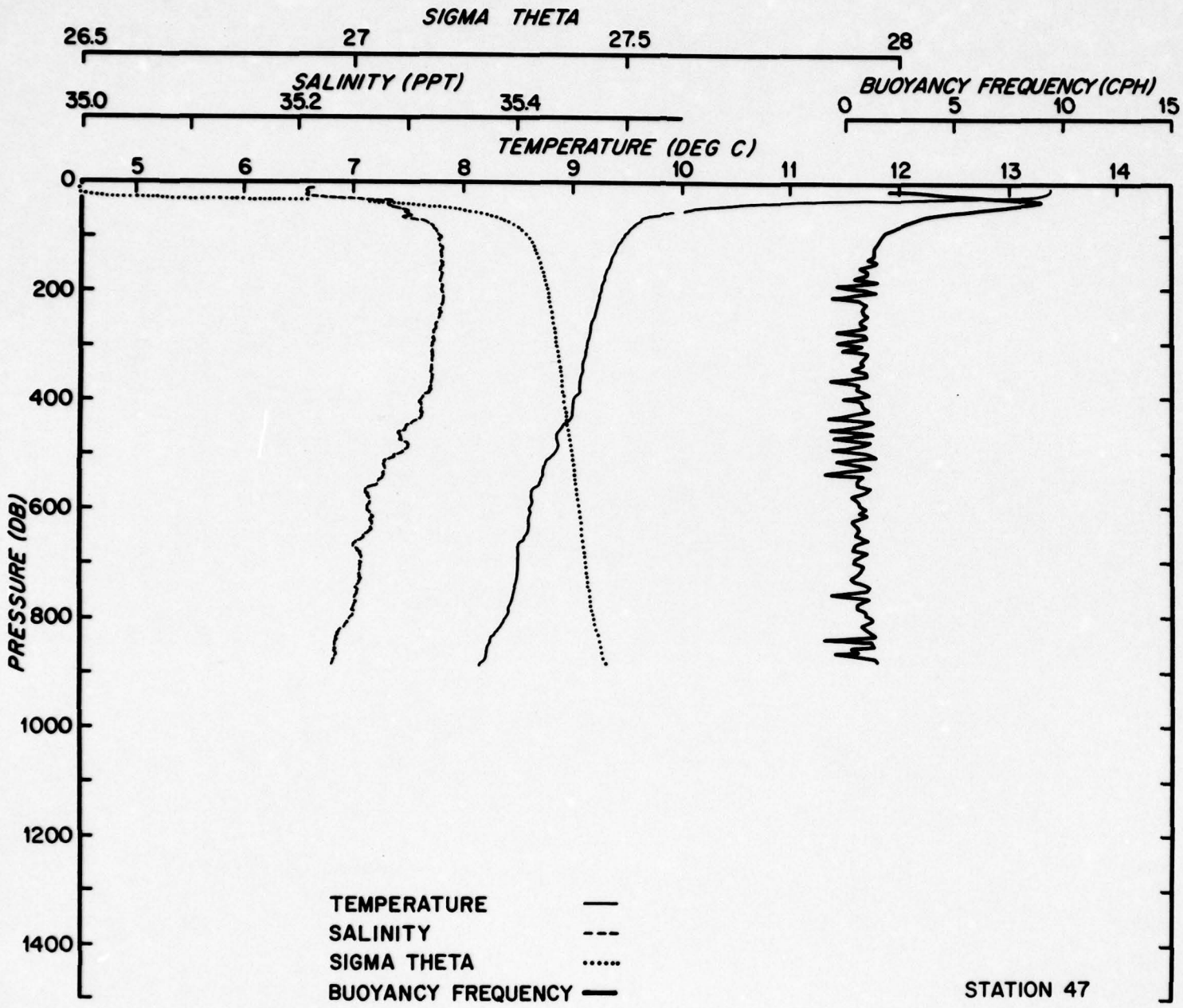

SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
200
400
600
800
1000
1200
1400
PRESSURE (DB)
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 46

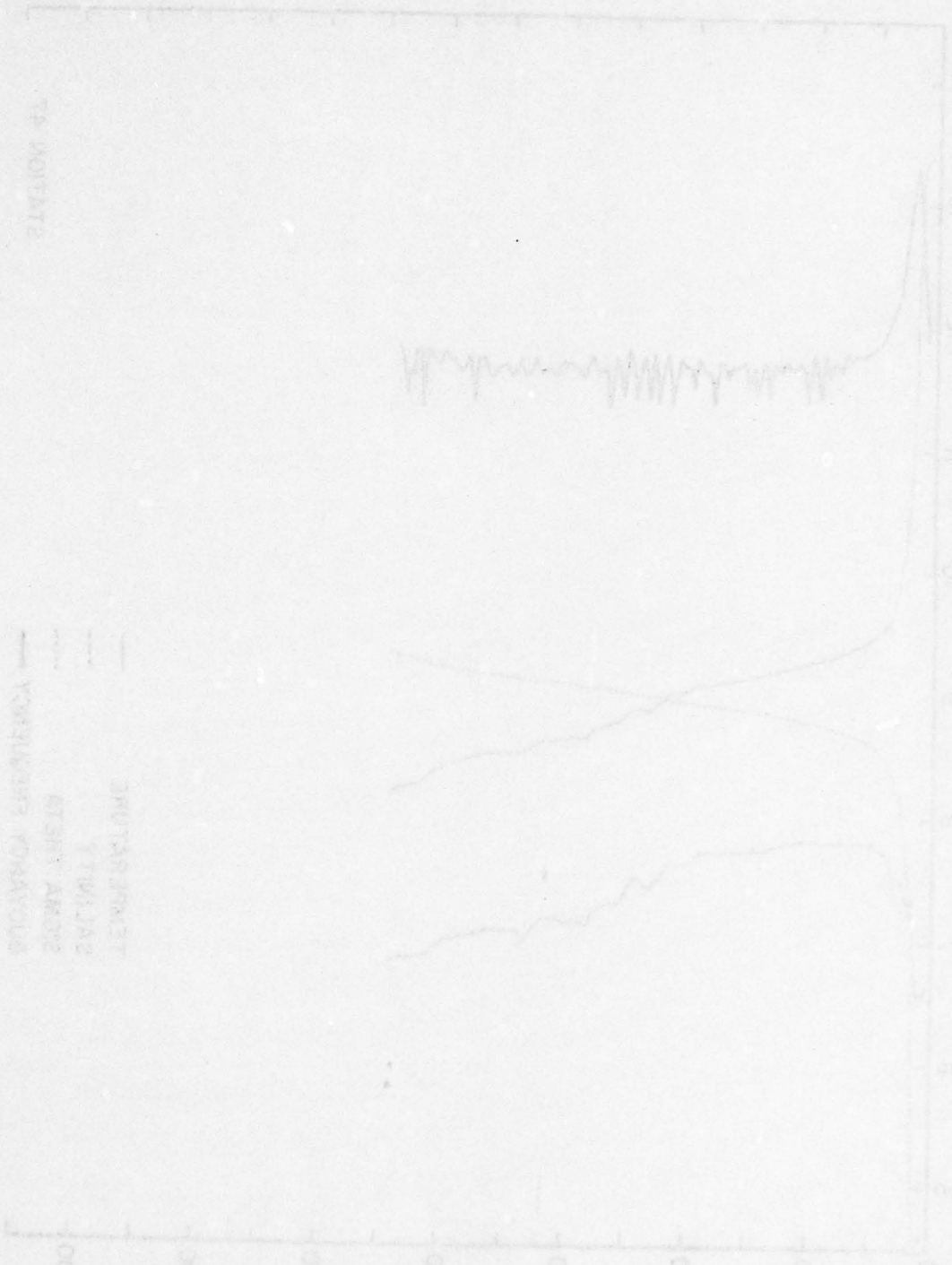
STATION 47

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
705.3	8.5050	35.256	37.239	8.428	27.417	701.017	.807
712.0	8.4985	35.256	37.236	8.421	27.418	708.633	.718
719.7	8.4955	35.256	37.237	8.417	27.418	715.850	.562
727.2	8.4910	35.255	37.235	8.412	27.418	723.450	.178
734.8	8.4845	35.254	37.231	8.405	27.418	731.017	.463
743.2	8.4655	35.254	37.217	8.385	27.421	739.017	1.117
750.3	8.4576	35.255	37.213	8.376	27.423	746.767	.880
757.9	8.4505	35.251	37.206	8.368	27.421	754.117	.753
766.4	8.4419	35.253	37.204	8.359	27.424	762.167	1.103
773.1	8.4298	35.251	37.193	8.346	27.424	769.750	.468
781.5	8.4235	35.250	37.190	8.339	27.424	777.300	.456
789.8	8.4095	35.249	37.180	8.324	27.426	785.517	.895
796.9	8.3870	35.247	37.159	8.301	27.427	793.200	.922
803.9	8.3646	35.246	37.141	8.278	27.430	800.383	1.248
812.8	8.3385	35.242	37.116	8.251	27.431	808.333	.666
819.7	8.3065	35.237	37.085	8.218	27.432	816.233	.964
827.9	8.2824	35.236	37.065	8.193	27.436	823.767	1.201
835.0	8.2505	35.235	37.037	8.161	27.439	831.417	1.391
838.4	8.2506	35.233	37.037	8.160	27.438	836.683	1.070
842.1	8.2430	35.234	37.031	8.152	27.439	840.250	1.235
847.6	8.2297	35.234	37.021	8.139	27.442	844.850	1.193
851.1	8.2264	35.235	37.021	8.135	27.443	849.367	1.294
856.6	8.2218	35.234	37.018	8.130	27.443	853.867	.197
861.0	8.2214	35.235	37.020	8.129	27.444	858.800	.891
865.7	8.2161	35.233	37.016	8.123	27.443	863.367	.522
869.7	8.2139	35.233	37.015	8.120	27.443	867.733	.633
875.0	8.1762	35.228	36.978	8.082	27.445	872.367	1.327
880.0	8.1564	35.228	36.962	8.062	27.448	877.517	1.439
876.2	8.1680	35.230	36.973	8.074	27.448	878.117	.551
871.2	8.2059	35.233	37.008	8.112	27.444	873.717	1.721

STATION 47

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
11.2	13.3754	35.209	41.851	13.374	26.496		
23.5	13.2829	35.205	41.462	13.280	26.511	17.317	2.066
49.7	10.1295	35.291	38.518	10.124	27.175	36.600	8.950
76.8	9.5740	35.320	38.029	9.565	27.292	63.283	3.715
104.7	9.4463	35.326	37.927	9.438	27.319	90.750	1.763
131.1	9.3784	35.329	37.877	9.364	27.332	117.883	1.277
138.4	9.3603	35.329	37.863	9.345	27.335	134.767	1.242
145.8	9.3525	35.330	37.860	9.336	27.337	142.100	.950
152.3	9.3321	35.331	37.845	9.315	27.342	149.050	1.503
159.3	9.3204	35.330	37.836	9.303	27.343	155.833	.645
165.4	9.3090	35.329	37.827	9.291	27.344	162.350	.901
172.4	9.2990	35.330	37.821	9.280	27.346	168.867	.971
179.3	9.2921	35.328	37.816	9.272	27.346	175.817	.368
186.5	9.2716	35.330	37.802	9.251	27.351	182.900	1.482
193.5	9.2703	35.329	37.803	9.249	27.350	190.033	.450
199.8	9.2614	35.329	37.797	9.239	27.351	196.683	.811
207.1	9.2496	35.332	37.792	9.227	27.356	203.467	1.401
214.5	9.2505	35.331	37.795	9.227	27.355	210.783	.651
220.4	9.2429	35.330	37.790	9.218	27.356	217.417	.742
227.6	9.2295	35.330	37.780	9.204	27.358	224.067	.960
234.9	9.2175	35.328	37.771	9.191	27.359	231.317	.732
241.5	9.2105	35.328	37.767	9.184	27.359	238.167	.701
249.4	9.1910	35.327	37.751	9.163	27.362	245.433	1.006
256.0	9.1780	35.325	37.740	9.150	27.362	252.717	.667
262.5	9.1715	35.325	37.736	9.142	27.363	259.283	.653
269.5	9.1590	35.324	37.727	9.129	27.365	266.033	.882
276.9	9.1565	35.323	37.727	9.126	27.364	273.200	.308
283.9	9.1496	35.323	37.724	9.118	27.366	280.383	.857
289.9	9.1444	35.325	37.723	9.112	27.368	286.900	1.019
296.7	9.1355	35.322	37.715	9.103	27.367	293.300	.482
304.6	9.1287	35.322	37.712	9.095	27.368	300.633	.712
311.2	9.1206	35.320	37.705	9.086	27.368	307.900	.263
317.2	9.1163	35.321	37.705	9.081	27.369	314.233	1.012
324.3	9.1065	35.321	37.699	9.071	27.371	320.767	.856
331.9	9.0983	35.320	37.694	9.062	27.372	328.083	.645
338.9	9.0925	35.321	37.692	9.055	27.373	335.400	.795
346.1	9.0888	35.320	37.691	9.051	27.373	342.533	.250
352.6	9.0810	35.320	37.687	9.042	27.375	349.383	.956
359.2	9.0761	35.322	37.686	9.036	27.376	355.900	.936
366.1	9.0775	35.320	37.690	9.037	27.375	362.650	.682
372.3	9.0732	35.320	37.688	9.032	27.376	369.200	.561
380.3	9.0705	35.320	37.689	9.028	27.376	376.283	.461
387.1	9.0606	35.319	37.682	9.018	27.377	383.683	.778
393.5	9.0146	35.312	37.635	8.971	27.379	390.300	1.086
400.4	9.0037	35.310	37.625	8.959	27.379	397.083	.192
407.2	9.0038	35.311	37.629	8.959	27.380	403.900	.744
414.5	8.9975	35.311	37.627	8.952	27.381	410.833	.809
421.6	8.9934	35.313	37.628	8.947	27.383	418.033	1.061
428.5	8.9894	35.313	37.627	8.942	27.383	425.033	.362
435.2	8.9706	35.306	37.606	8.923	27.381	431.833	.903
442.8	8.9225	35.301	37.559	8.874	27.385	438.983	1.321
450.6	8.8947	35.297	37.532	8.845	27.386	446.717	.760
456.9	8.8687	35.289	37.503	8.819	27.385	453.767	.744
464.6	8.8597	35.292	37.501	8.809	27.388	460.750	1.270
472.1	8.8671	35.292	37.512	8.815	27.387	468.367	.595
479.2	8.8604	35.299	37.534	8.828	27.391	475.650	1.221
486.3	8.8774	35.300	37.535	8.824	27.392	482.717	.739
492.8	8.8561	35.294	37.512	8.802	27.390	489.550	.689
499.7	8.8085	35.286	37.463	8.754	27.392	496.283	1.026
506.9	8.7539	35.281	37.409	8.699	27.396	503.333	1.471
513.8	8.7500	35.279	37.407	8.694	27.395	510.350	.514
520.7	8.7399	35.278	37.399	8.683	27.396	517.250	.705
527.9	8.7270	35.279	37.391	8.669	27.399	524.300	1.133
535.4	8.7330	35.277	37.399	8.675	27.397	531.617	.904
541.8	8.7135	35.275	37.381	8.654	27.398	538.600	.816
548.6	8.6983	35.272	37.367	8.639	27.398	545.200	.469
556.4	8.6706	35.266	37.339	8.610	27.398	552.483	.422
564.5	8.6255	35.261	37.295	8.564	27.401	560.433	1.178
571.4	8.6319	35.264	37.307	8.570	27.403	567.933	.893
578.7	8.6393	35.266	37.319	8.576	27.403	575.067	.198
586.2	8.6338	35.265	37.316	8.570	27.403	582.483	.541
594.0	8.6175	35.263	37.302	8.553	27.404	590.117	.631
601.1	8.6095	35.263	37.298	8.544	27.405	597.550	.899
607.6	8.6291	35.268	37.324	8.563	27.406	604.333	.586
615.6	8.6090	35.267	37.307	8.542	27.408	611.583	.990
622.4	8.6110	35.267	37.313	8.543	27.408	619.017	.270
630.3	8.6040	35.266	37.309	8.535	27.409	626.350	.507
638.4	8.5968	35.266	37.305	8.527	27.409	634.350	.607
645.4	8.5701	35.260	37.278	8.500	27.409	641.900	.416
652.3	8.5562	35.258	37.266	8.485	27.410	648.850	.726
660.0	8.5090	35.252	37.219	8.438	27.412	656.167	1.090
667.8	8.5010	35.250	37.213	8.429	27.412	663.917	.307
674.6	8.5165	35.253	37.234	8.443	27.412	671.200	.211
683.0	8.5210	35.258	37.246	8.447	27.415	678.783	1.020
689.9	8.5163	35.257	37.244	8.441	27.415	686.650	.430
696.8	8.5111	35.256	37.241	8.435	27.415	693.333	.266


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 47

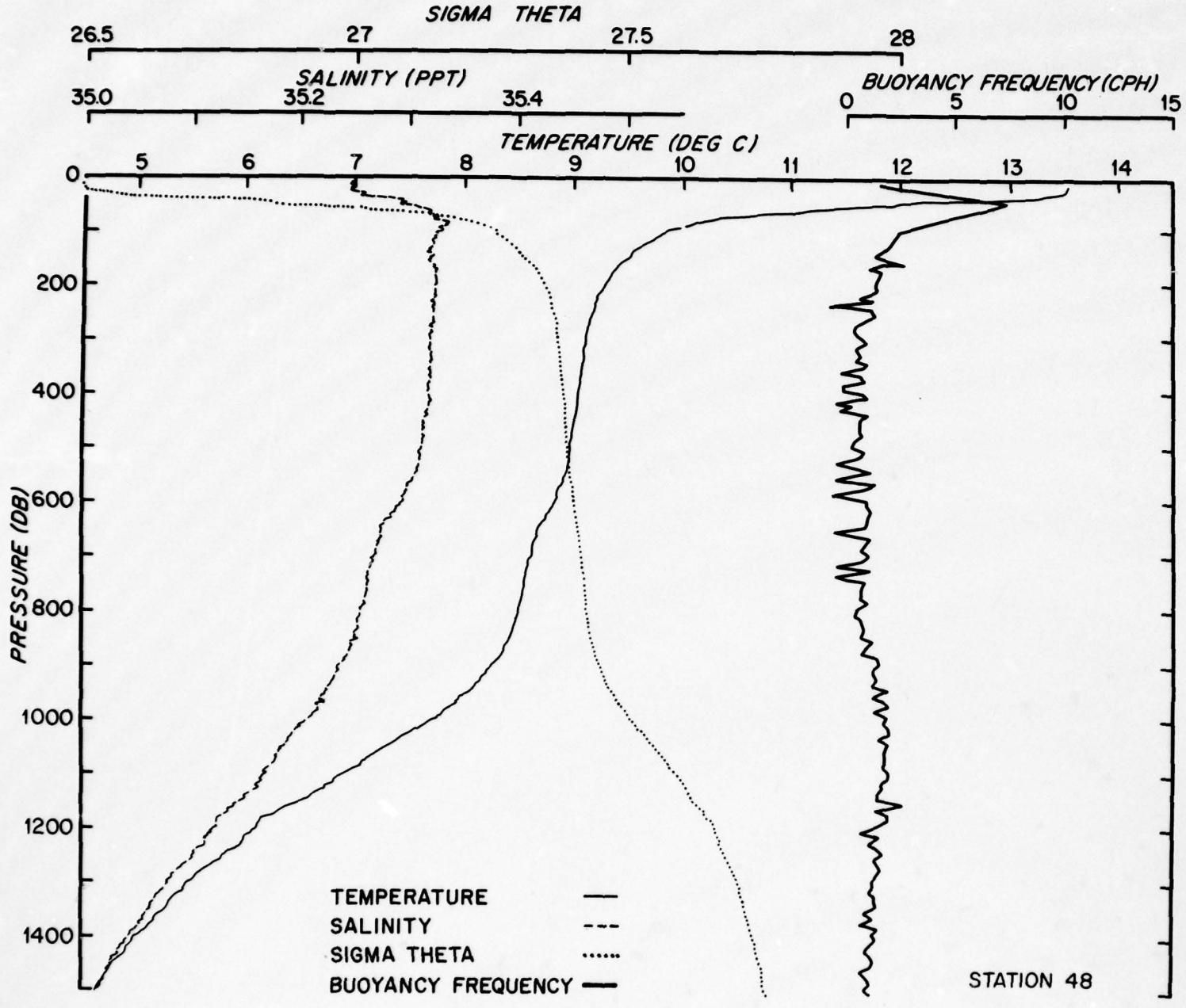


STATION 48

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmhos/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
1005.6	7.6437	35.204	36.514	7.539	27.506	1000.75	1.689
1014.7	7.5674	35.197	36.422	7.462	27.515	1010.15	1.969
1025.1	7.4586	35.194	36.341	7.353	27.526	1019.90	1.979
1035.1	7.4064	35.190	36.294	7.300	27.531	1030.10	1.398
1046.1	7.3100	35.187	36.206	7.203	27.542	1040.62	1.970
1055.8	7.2305	35.181	36.132	7.123	27.549	1050.93	1.741
1065.8	7.1570	35.178	36.065	7.049	27.557	1060.78	1.762
1075.5	7.0950	35.177	36.011	6.987	27.565	1070.65	1.781
1086.5	7.0135	35.172	35.935	6.905	27.573	1081.00	1.659
1097.0	6.9184	35.168	35.848	6.809	27.583	1091.75	1.950
1106.5	6.8411	35.166	35.778	6.732	27.591	1101.75	1.891
1117.5	6.7625	35.160	35.705	6.653	27.598	1112.02	1.557
1125.2	6.7365	35.163	35.688	6.626	27.604	1121.37	1.691
1135.0	6.6530	35.154	35.606	6.542	27.608	1130.10	1.423
1145.6	6.6015	35.151	35.561	6.490	27.613	1140.30	1.390
1155.2	6.4325	35.143	35.402	6.322	27.629	1150.38	2.603
1165.6	6.3576	35.134	35.330	6.246	27.632	1160.40	1.320
1175.9	6.2685	35.127	35.228	6.157	27.641	1170.78	1.917
1185.6	6.1631	35.124	35.150	6.051	27.650	1180.77	1.885
1195.5	6.1325	35.125	35.128	6.020	27.655	1190.57	1.377
1205.5	6.0960	35.119	35.093	5.983	27.655	1200.53	.663
1216.1	6.0232	35.115	35.028	5.910	27.661	1210.82	1.599
1226.0	5.9960	35.114	35.006	5.882	27.664	1221.07	1.027
1235.3	5.9536	35.112	34.969	5.839	27.668	1230.67	1.355
1245.6	5.8525	35.104	34.874	5.737	27.674	1240.45	1.731
1255.3	5.8100	35.102	34.837	5.694	27.678	1250.47	1.287
1265.8	5.7305	35.095	34.763	5.615	27.683	1260.57	1.683
1275.8	5.6430	35.089	34.682	5.527	27.689	1270.78	1.636
1285.4	5.5795	35.084	34.624	5.463	27.693	1280.58	1.456
1296.2	5.5345	35.082	34.585	5.417	27.696	1290.82	1.189
1305.7	5.4850	35.078	34.541	5.367	27.700	1300.98	1.290
1315.1	5.4427	35.074	34.503	5.325	27.702	1310.42	1.094
1325.3	5.3777	35.069	34.444	5.259	27.706	1320.20	1.399
1334.3	5.3356	35.067	34.408	5.217	27.710	1329.82	1.339
1340.8	5.3050	35.067	34.382	5.186	27.713	1337.57	1.445
1355.0	5.2570	35.061	34.339	5.137	27.714	1347.92	.811
1365.0	5.2055	35.057	34.294	5.085	27.717	1360.00	1.278
1374.8	5.1786	35.053	34.270	5.057	27.717	1369.87	.604
1384.0	5.1295	35.053	34.229	5.008	27.723	1379.38	1.543
1393.0	5.0680	35.046	34.171	4.946	27.725	1388.52	1.218
1404.6	5.0035	35.043	34.115	4.881	27.730	1398.80	1.410
1413.8	4.9651	35.040	34.081	4.842	27.732	1409.20	1.176
1424.3	4.9232	35.036	34.044	4.800	27.733	1419.05	.893
1433.1	4.9011	35.036	34.028	4.777	27.736	1428.68	1.160
1445.0	4.8166	35.028	33.949	4.692	27.740	1439.03	1.304
1453.8	4.7930	35.028	33.932	4.668	27.742	1449.37	1.149
1464.4	4.7711	35.025	33.914	4.646	27.743	1459.08	.679
1474.3	4.7342	35.022	33.882	4.608	27.744	1469.35	.941
1484.9	4.6941	35.020	33.849	4.567	27.748	1479.58	1.229
1494.2	4.6705	35.019	33.830	4.543	27.749	1489.52	.918
1504.6	4.6236	35.016	33.789	4.496	27.752	1499.40	1.180
1514.8	4.5946	35.012	33.765	4.466	27.753	1509.72	.777
1525.1	4.5667	35.010	33.742	4.438	27.756	1519.93	.889
1533.2	4.5491	35.009	33.728	4.419	27.755	1529.12	.818
1543.3	4.5042	35.006	33.690	4.374	27.758	1538.25	1.216
1553.8	4.4616	35.002	33.652	4.331	27.759	1549.55	.928
1562.7	4.4031	34.997	33.599	4.272	27.761	1558.22	1.292
1573.0	4.3846	34.996	33.586	4.253	27.763	1567.83	.886
1583.0	4.3550	34.995	33.563	4.223	27.766	1577.98	1.081
1593.1	4.3238	34.993	33.537	4.191	27.767	1588.02	.920
1603.3	4.2846	34.989	33.502	4.151	27.768	1598.18	.963
1613.5	4.2541	34.985	33.476	4.120	27.768	1608.40	.708
1622.2	4.2386	34.985	33.466	4.104	27.770	1617.83	1.009
1631.6	4.2166	34.985	33.449	4.082	27.772	1626.87	.991
1641.4	4.1877	34.983	33.426	4.052	27.774	1636.50	.920
1651.6	4.1681	34.981	33.411	4.032	27.775	1646.52	.768
1662.1	4.1491	34.980	33.398	4.012	27.776	1656.83	.844
1671.3	4.1356	34.980	33.389	3.998	27.777	1666.70	.774
1681.4	4.1146	34.979	33.373	3.976	27.778	1676.38	.847
1691.6	4.1064	34.978	33.370	3.967	27.779	1686.53	.512
1700.6	4.0986	34.977	33.366	3.959	27.779	1696.13	.479
1711.4	4.0841	34.977	33.357	3.943	27.780	1706.02	.742
1720.6	4.0410	34.974	33.320	3.900	27.783	1715.98	1.238
1730.6	4.0236	34.972	33.307	3.882	27.783	1725.58	.644
1739.2	4.0056	34.972	33.294	3.863	27.785	1734.88	.981
1749.0	3.9861	34.969	33.278	3.843	27.784	1744.10	.361
1758.6	3.9651	34.971	33.265	3.821	27.788	1753.83	1.261
1769.4	3.9471	34.970	33.252	3.803	27.789	1764.03	.802
1778.2	3.9356	34.968	33.244	3.790	27.789	1773.83	.379
1787.9	3.9201	34.967	33.233	3.774	27.790	1783.05	.679
1798.1	3.8875	34.967	33.208	3.741	27.793	1792.98	1.228
1806.7	3.8742	34.966	33.199	3.727	27.793	1802.40	.650
1817.3	3.8585	34.967	33.190	3.711	27.796	1812.00	.970
1827.0	3.8455	34.966	33.182	3.697	27.797	1822.13	.762
1837.5	3.8326	34.965	33.173	3.683	27.797	1832.25	.555
1846.2	3.8311	34.965	33.176	3.681	27.797	1841.85	.433
1856.0	3.8241	34.964	33.173	3.673	27.797	1851.10	.385
1866.7	3.7979	34.963	33.153	3.646	27.799	1861.38	.962
1876.0	3.7916	34.963	33.151	3.639	27.800	1871.35	.664
1885.6	3.7811	34.960	33.143	3.628	27.799	1880.78	.458
1895.2	3.7661	34.962	33.135	3.612	27.801	1890.40	1.063
1904.7	3.7596	34.963	33.134	3.605	27.803	1899.93	.817
1913.7	3.7534	34.962	33.131	3.598	27.803	1909.17	.459
1923.7	3.7406	34.961	33.123	3.584	27.804	1918.67	.616
1933.8	3.7251	34.962	33.114	3.568	27.806	1928.75	.933
1944.2	3.7081	34.963	33.103	3.550	27.808	1939.00	1.033
1953.3	3.6907	34.961	33.090	3.532	27.809	1948.75	.754
1963.0	3.6832	34.961	33.087	3.524	27.809	1958.17	.592
1973.0	3.6616	34.962	33.072	3.502	27.812	1967.98	1.076
1980.7	3.6551	34.961	33.069	3.495	27.812	1976.85	.568
1990.8	3.6385	34.962	33.059	3.477	27.814	1985.77	.965
2001.2	3.6185	34.961	33.045	3.457	27.816	1995.98	.871
2010.5	3.6097	34.960	33.040	3.447	27.816	2005.85	.626
2020.5	3.5970	34.962	33.034	3.434	27.818	2015.53	.969
2030.5	3.5861	34.961	33.028	3.422	27.819	2025.50	.675
2039.5	3.5716	34.961	33.019	3.407	27.821	2034.98	.906
2049.6	3.5496	34.960	33.002	3.384	27.822	2044.57	.861
2059.3	3.5366	34.960	32.994	3.370	27.823	2054.48	.768
2067.6	3.5236	34.961	32.987	3.357	27.825	2063.48	1.053
2076.1	3.5003	34.960	32.969	3.333	27.826	2071.88	1.043
2084.8	3.4816	34.961	32.956	3.314	27.829	2080.48	1.166
2095.1	3.4756	34.960	32.954	3.307	27.829	2089.95	.326
2105.3	3.4580	34.961	32.943	3.289	27.831	2100.17	1.014
2114.1	3.4401	34.960	32.930	3.270	27.833	2109.67	.906
2123.5	3.4291	34.960	32.924	3.258	27.834	2118.80	.772
2133.6	3.4216	34.960	32.921	3.250	27.834	2128.55	.548
2142.3	3.4086	34.960	32.913	3.236	27.835	2137.95	.878
2152.9	3.4006	34.959	32.910	3.227	27.836	2147.60	.620

STATION 48

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m**3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
9.6	13.5289	35.244	41.737	13.528	26.491		
18.1	13.5096	35.247	41.725	13.507	26.497	13.867	1.548
32.7	13.1810	35.254	41.418	13.176	26.570	25.383	3.999
60.0	11.0234	35.318	39.402	11.016	27.034	46.317	7.345
86.9	10.0115	35.331	38.462	10.001	27.227	73.450	4.773
113.6	9.6969	35.320	38.163	9.684	27.272	100.250	2.337
139.4	9.5156	35.319	38.001	9.500	27.301	126.500	1.939
165.6	9.5041	35.320	37.995	9.488	27.305	142.533	1.284
153.7	9.4385	35.316	37.932	9.421	27.312	149.650	1.738
160.6	9.3900	35.320	37.893	9.372	27.323	157.117	2.321
159.4	9.4052	35.320	37.907	9.387	27.321	159.967	2.540
160.8	9.3915	35.321	37.896	9.374	27.324	160.067	2.658
159.6	9.4066	35.322	37.910	9.389	27.322	160.167	2.202
163.9	9.3755	35.320	37.881	9.357	27.326	161.717	1.687
171.1	9.3649	35.321	37.875	9.346	27.328	167.467	1.002
177.6	9.3430	35.322	37.858	9.323	27.333	174.333	1.562
185.1	9.3190	35.323	37.840	9.298	27.337	181.333	1.421
191.5	9.2978	35.323	37.822	9.277	27.341	188.300	1.362
198.3	9.2748	35.323	37.803	9.253	27.345	194.933	1.324
205.2	9.2530	35.322	37.785	9.230	27.348	201.767	1.265
211.1	9.2366	35.323	37.773	9.213	27.351	208.150	1.389
218.1	9.2150	35.321	37.754	9.191	27.353	214.600	1.028
225.4	9.2095	35.321	37.752	9.185	27.354	221.733	.570
231.8	9.1910	35.321	37.737	9.165	27.357	228.600	1.247
238.7	9.1929	35.319	37.740	9.166	27.355	235.267	.895
245.7	9.1785	35.319	37.730	9.151	27.358	242.200	1.153
253.0	9.1625	35.320	37.719	9.134	27.361	249.350	1.241
259.1	9.1441	35.320	37.705	9.115	27.364	256.033	1.298
267.6	9.1364	35.320	37.701	9.107	27.366	263.350	.747
275.1	9.1341	35.320	37.702	9.104	27.366	271.383	.413
283.6	9.1240	35.318	37.695	9.093	27.366	279.350	.335
291.4	9.1195	35.318	37.693	9.087	27.366	287.467	.421
300.3	9.1165	35.319	37.695	9.083	27.367	295.817	.698
308.8	9.1015	35.318	37.684	9.067	27.369	304.533	.898
315.6	9.1003	35.318	37.686	9.065	27.369	312.200	.417
323.4	9.1007	35.319	37.691	9.065	27.370	319.500	.462
331.8	9.0945	35.318	37.688	9.058	27.371	327.583	.620
338.9	9.0879	35.317	37.684	9.050	27.371	335.333	.452
346.6	9.0830	35.318	37.684	9.045	27.373	342.767	.891
353.9	9.0775	35.318	37.682	9.038	27.374	350.283	.670
361.3	9.0750	35.317	37.682	9.035	27.373	357.633	.301
370.1	9.0680	35.317	37.680	9.027	27.374	365.717	.711
377.4	9.0588	35.318	37.674	9.017	27.376	373.767	.869
384.8	9.0580	35.317	37.676	9.015	27.376	381.100	.210
393.0	9.0519	35.315	37.673	9.008	27.375	388.867	.170
400.8	9.0502	35.317	37.676	9.006	27.377	396.867	.754
409.6	9.0434	35.318	37.675	8.998	27.379	405.167	.951
416.9	9.0445	35.317	37.678	8.998	27.378	413.250	.599
423.7	9.0395	35.316	37.675	8.993	27.378	420.333	.306
432.2	9.0319	35.314	37.670	8.984	27.377	427.967	.387
440.5	9.0235	35.315	37.666	8.975	27.379	436.350	.949
449.1	9.0082	35.312	37.653	8.958	27.380	444.817	.562
459.4	9.0020	35.312	37.652	8.951	27.381	454.283	.534
468.2	8.9968	35.311	37.650	8.945	27.381	463.817	.525
478.1	8.9960	35.313	37.655	8.943	27.383	473.167	.686
488.1	8.9875	35.311	37.650	8.933	27.382	483.100	.294
498.0	8.9795	35.309	37.645	8.924	27.382	493.017	.155
509.0	8.9710	35.310	37.642	8.915	27.384	503.467	.776
518.4	8.9659	35.309	37.641	8.908	27.385	513.700	.495
527.2	8.9615	35.307	37.639	8.903	27.384	522.800	.416
536.4	8.9539	35.306	37.635	8.894	27.384	531.783	.409
546.6	8.9246	35.305	37.610	8.864	27.388	541.517	1.116
557.6	8.9123	35.300	37.600	8.851	27.386	552.100	.510
567.3	8.8731	35.298	37.565	8.810	27.391	562.450	1.317
576.2	8.8591	35.297	37.554	8.795	27.392	571.750	.722
586.3	8.8566	35.294	37.554	8.792	27.390	581.233	.709
596.4	8.8390	35.293	37.540	8.773	27.392	591.333	.862
606.8	8.7961	35.286	37.498	8.729	27.394	601.583	.877
617.1	8.7676	35.285	37.474	8.700	27.397	611.967	1.066
625.9	8.7479	35.283	37.458	8.679	27.399	621.500	.944
636.4	8.7056	35.277	37.417	8.636	27.401	631.133	.859
646.2	8.6835	35.274	37.398	8.613	27.403	641.283	.845
656.3	8.6829	35.272	37.400	8.611	27.401	651.217	.621
666.9	8.6595	35.272	37.382	8.586	27.404	661.600	1.047
676.6	8.6435	35.270	37.370	8.569	27.406	671.783	.741
687.2	8.6310	35.268	37.361	8.556	27.406	681.933	.569
696.8	8.6096	35.267	37.344	8.533	27.408	692.017	.950
706.7	8.6004	35.267	37.339	8.523	27.410	701.733	.690
716.5	8.5900	35.263	37.331	8.512	27.409	711.600	.449
725.6	8.5690	35.263	37.314	8.490	27.411	721.083	1.076
735.9	8.5645	35.260	37.312	8.484	27.410	730.767	.513
746.2	8.5604	35.262	37.314	8.479	27.412	741.033	.789
755.5	8.5515	35.261	37.309	8.469	27.413	750.817	.632
765.7	8.5405	35.260	37.302	8.457	27.414	760.583	.606
775.6	8.5330	35.259	37.299	8.448	27.414	770.650	.562
785.5	8.5219	35.260	37.294	8.436	27.417	780.567	.933
795.8	8.5035	35.257	37.278	8.417	27.417	790.683	.488
806.0	8.4955	35.255	37.273	8.408	27.417	800.900	.310
816.1	8.4805	35.253	37.262	8.391	27.418	811.017	.671
825.7	8.4722	35.254	37.258	8.382	27.420	820.883	.789
835.0	8.4513	35.251	37.240	8.360	27.421	830.350	.773
845.7	8.4385	35.250	37.232	8.346	27.422	840.333	.651
855.5	8.3995	35.246	37.196	8.306	27.425	850.567	1.201
865.9	8.3849	35.247	37.187	8.291	27.428	860.683	.932
876.1	8.3649	35.244	37.170	8.270	27.429	871.017	.673
885.7	8.3151	35.240	37.124	8.219	27.433	880.917	1.402
896.3	8.2535	35.236	37.067	8.157	27.440	891.017	1.529
906.1	8.2239	35.235	37.043	8.126	27.444	901.217	1.217
915.9	8.1869	35.232	37.010	8.088	27.447	910.983	1.196
926.4	8.1424	35.230	36.971	8.043	27.452	921.117	1.375
935.4	8.1060	35.227	36.938	8.006	27.455	930.900	1.149
945.4	8.0264	35.224	36.864	7.926	27.465	940.417	1.901
956.2	7.9765	35.219	36.818	7.875	27.469	950.783	1.227
965.4	7.9505	35.224	36.802	7.848	27.476	960.783	1.673
975.2	7.8551	35.218	36.712	7.752	27.486	970.317	1.947
985.2	7.8209	35.216	36.683	7.717	27.490	980.200	1.237
995.9	7.7255	35.210	36.593	7.621	27.500	990.550	1.866


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 48

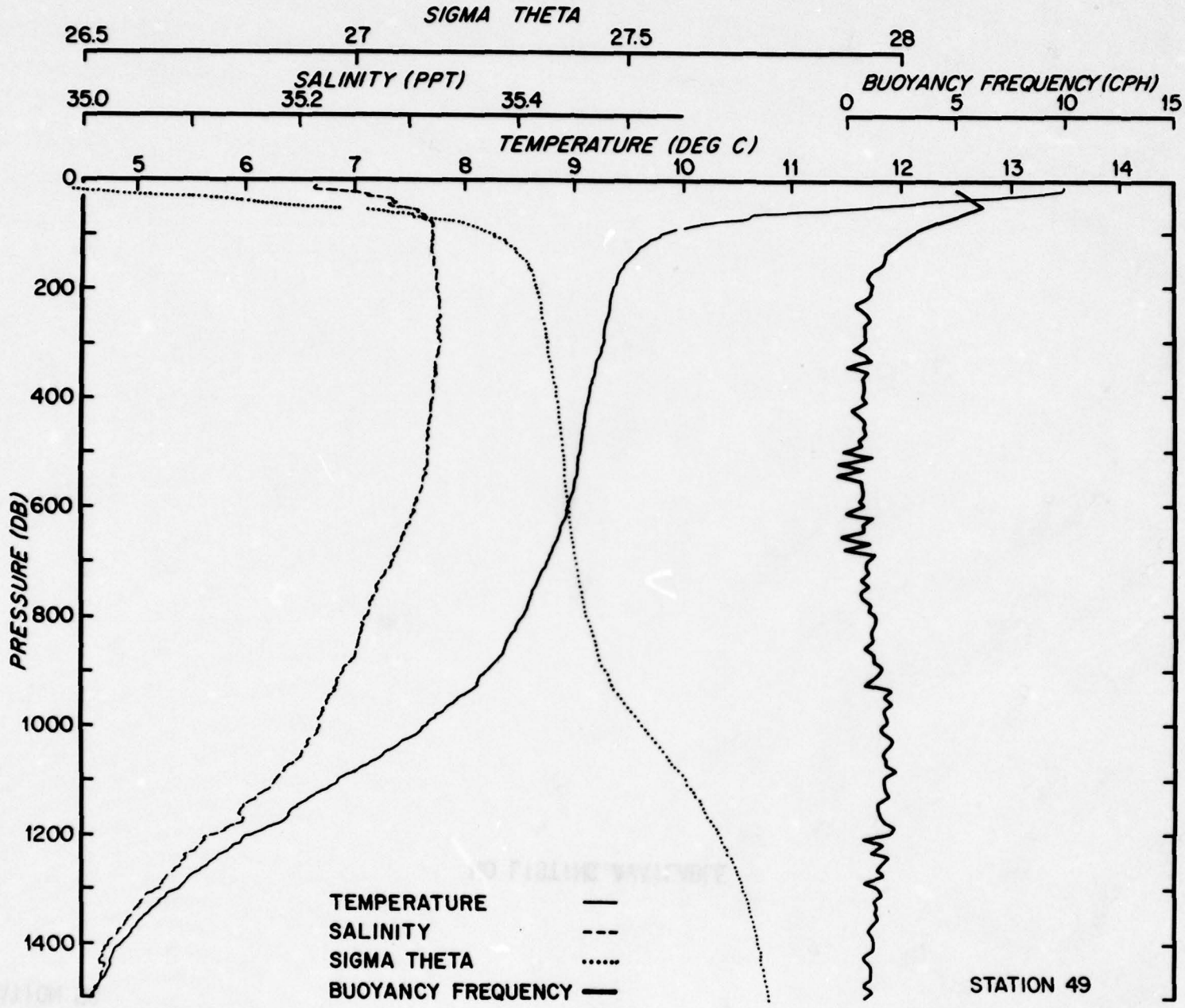
STATION 49

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
1311.6	5.2765	35.059	34.337	5.160	27.710	1305.78	1.577
1322.6	5.2225	35.054	34.289	5.106	27.713	1317.10	1.129
1333.3	5.1695	35.049	34.233	5.043	27.716	1327.95	1.298
1344.6	5.1156	35.047	34.195	4.998	27.720	1338.95	1.181
1355.8	5.0466	35.042	34.133	4.929	27.724	1350.20	1.372
1366.9	4.9986	35.038	34.090	4.880	27.727	1361.35	1.121
1378.3	4.9546	35.033	34.051	4.835	27.728	1372.58	.857
1388.5	4.9086	35.030	34.010	4.789	27.730	1383.40	1.139
1400.1	4.8551	35.026	33.963	4.735	27.733	1394.32	1.162
1411.9	4.7936	35.020	33.908	4.673	27.736	1406.02	1.185
1422.5	4.7771	35.019	33.897	4.655	27.737	1417.20	.677
1433.1	4.7546	35.017	33.879	4.632	27.738	1427.80	.798
1444.5	4.7526	35.022	33.886	4.629	27.742	1438.82	1.072
1455.5	4.7161	35.020	33.856	4.592	27.745	1450.00	1.064
1466.8	4.6830	35.018	33.830	4.558	27.747	1461.17	1.023
1477.9	4.6444	35.013	33.794	4.519	27.747	1472.37	.645
1489.3	4.6105	35.012	33.768	4.484	27.750	1483.58	1.108
1501.0	4.5736	35.007	33.735	4.447	27.751	1495.13	.734
1511.5	4.5441	35.008	33.714	4.417	27.755	1506.23	1.255
1522.2	4.5081	35.002	33.681	4.380	27.754	1516.83	.581
1532.7	4.4736	35.002	33.654	4.345	27.758	1527.47	1.176
1544.8	4.4268	34.997	33.613	4.298	27.759	1538.77	.998
1554.9	4.3881	34.995	33.581	4.258	27.762	1549.83	1.191
1566.6	4.3631	34.991	33.560	4.233	27.762	1560.72	.447
1578.3	4.3476	34.992	33.551	4.216	27.763	1572.45	.832
1589.1	4.3376	34.992	33.547	4.205	27.765	1583.72	.782
1599.8	4.3146	34.989	33.528	4.181	27.765	1594.47	.449
1610.9	4.2871	34.987	33.506	4.153	27.766	1605.38	.886
1621.8	4.2636	34.987	33.489	4.129	27.769	1616.38	1.034
1633.2	4.2220	34.985	33.455	4.087	27.772	1627.52	1.103
1643.6	4.1886	34.983	33.427	4.053	27.774	1638.38	1.041
1654.7	4.1651	34.979	33.408	4.029	27.773	1649.15	.523
1666.1	4.1426	34.978	33.392	4.005	27.774	1660.43	.863
1677.4	4.1251	34.978	33.381	3.987	27.777	1671.77	.867
1688.7	4.1165	34.976	33.376	3.977	27.776	1683.03	.276
1699.0	4.0934	34.975	33.359	3.954	27.778	1693.83	.959
1710.7	4.0741	34.975	33.346	3.933	27.780	1704.83	.834
1721.7	4.0565	34.974	33.334	3.915	27.781	1716.20	.753
1732.1	4.0371	34.970	33.318	3.895	27.780	1726.93	.296
1742.7	4.0160	34.970	33.303	3.873	27.782	1737.43	.977
1754.2	4.0071	34.970	33.300	3.863	27.783	1748.47	.608
1765.1	3.9926	34.968	33.290	3.848	27.783	1759.67	.539
1776.1	3.9711	34.969	33.275	3.826	27.785	1770.63	.988
1786.9	3.9581	34.968	33.268	3.812	27.787	1781.52	.759
1798.1	3.9386	34.967	33.254	3.791	27.788	1792.52	.747
1808.8	3.9315	34.965	33.250	3.783	27.787	1803.45	.436
1819.5	3.9239	34.966	33.249	3.775	27.789	1814.15	.869
1830.2	3.9007	34.964	33.231	3.751	27.790	1824.88	.779
1841.5	3.8776	34.963	33.214	3.727	27.791	1835.88	.865
1852.9	3.8671	34.964	33.210	3.716	27.793	1847.23	.830
1862.8	3.8506	34.963	33.198	3.698	27.794	1857.87	.745
1874.3	3.8386	34.964	33.193	3.686	27.796	1868.53	.847
1885.3	3.8206	34.963	33.180	3.667	27.796	1879.80	.725

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
1896.5	3.8041	34.963	33.170	3.649	27.799	1890.92	.937
1908.3	3.7766	34.963	33.150	3.621	27.801	1902.38	1.090
1917.7	3.7641	34.962	33.142	3.608	27.802	1912.98	.604
1928.0	3.7569	34.962	33.140	3.600	27.802	1922.87	.563
1938.7	3.7393	34.961	33.128	3.582	27.804	1933.38	.859
1950.5	3.7242	34.961	33.119	3.566	27.805	1944.60	.704
1961.5	3.7061	34.961	33.108	3.547	27.807	1955.98	.997
1972.3	3.6920	34.962	33.100	3.532	27.809	1966.90	.860
1982.0	3.6778	34.961	33.091	3.517	27.810	1977.13	.839
1993.0	3.6666	34.959	33.082	3.505	27.809	1987.47	.329
2003.8	3.6486	34.958	33.070	3.486	27.810	1998.38	.853
2015.2	3.6416	34.960	33.070	3.478	27.812	2009.50	.831
2025.9	3.6281	34.959	33.062	3.464	27.813	2020.57	.690
2036.4	3.6126	34.958	33.051	3.447	27.814	2031.15	.705
2045.9	3.6026	34.959	33.047	3.437	27.816	2041.15	.926
2057.6	3.5891	34.959	33.040	3.422	27.817	2051.77	.772
2068.2	3.5746	34.960	33.031	3.407	27.819	2062.88	.839
2078.8	3.5691	34.959	33.030	3.400	27.819	2073.47	.442
2089.8	3.5540	34.960	33.022	3.385	27.822	2084.30	.979
2101.4	3.5420	34.960	33.016	3.372	27.823	2095.63	.763
2110.5	3.5306	34.960	33.009	3.359	27.824	2105.95	.710
2121.6	3.5141	34.959	32.998	3.342	27.824	2116.02	.748
2132.0	3.5066	34.960	32.996	3.334	27.826	2126.78	.734
2143.2	3.4865	34.959	32.982	3.313	27.827	2137.60	.863
2154.0	3.4641	34.959	32.967	3.290	27.829	2148.62	1.011
2163.5	3.4475	34.957	32.954	3.273	27.830	2158.78	.679
2174.5	3.4336	34.959	32.948	3.258	27.832	2169.00	1.010
2184.2	3.4244	34.959	32.943	3.248	27.833	2179.35	.693
2195.4	3.3991	34.960	32.926	3.222	27.837	2189.83	1.175
2205.6	3.3931	34.959	32.924	3.215	27.837	2200.53	.392
2211.3	3.3852	34.959	32.920	3.207	27.837	2208.45	.869
2215.9	3.3785	34.959	32.915	3.200	27.838	2213.60	.787
2218.4	3.3730	34.960	32.913	3.194	27.840	2217.18	1.589
2223.9	3.3570	34.958	32.898	3.178	27.839	2221.17	.477
2228.1	3.3465	34.958	32.891	3.167	27.840	2225.98	1.218
2232.9	3.3336	34.958	32.881	3.154	27.841	2230.50	1.118
2237.3	3.3281	34.958	32.878	3.148	27.842	2235.10	.848
2241.2	3.3151	34.959	32.869	3.135	27.844	2239.25	1.439
2245.8	3.2852	34.960	32.845	3.105	27.844	2243.53	1.977
2249.8	3.2740	34.961	32.837	3.094	27.849	2247.82	1.284
2253.7	3.2656	34.959	32.830	3.085	27.849	2251.77	.514

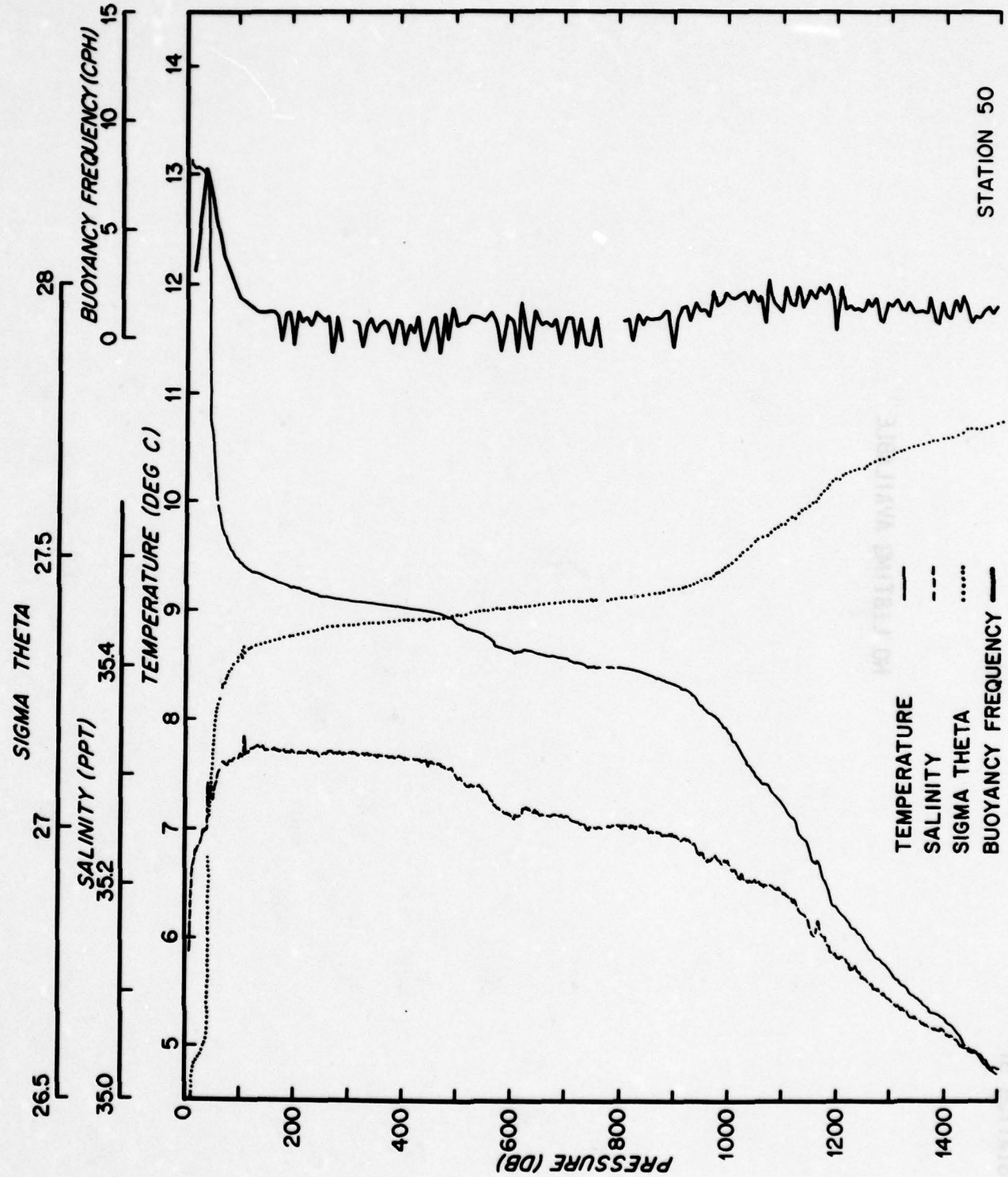
STATION 49

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m³)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
9.4	13.4945	35.215	41.473	13.493	26.476		
28.2	12.9284	35.241	41.177	12.928	26.626	18.800	5.053
69.5	10.4557	35.313	38.860	10.447	27.135	48.850	6.249
110.9	9.6893	35.321	38.156	9.677	27.274	90.233	3.283
154.0	9.4560	35.323	37.955	9.439	27.315	132.467	1.756
164.0	9.4246	35.326	37.933	9.406	27.322	158.983	1.557
174.7	9.4065	35.326	37.921	9.387	27.325	169.333	1.015
185.8	9.3945	35.326	37.915	9.374	27.327	180.267	.850
196.5	9.3685	35.326	37.895	9.347	27.332	191.150	1.155
207.5	9.3495	35.327	37.883	9.326	27.336	202.000	1.136
218.4	9.3396	35.330	37.881	9.315	27.339	213.050	1.016
229.2	9.3352	35.329	37.881	9.310	27.340	223.883	.372
240.0	9.3325	35.329	37.883	9.306	27.340	234.600	.441
251.0	9.3204	35.329	37.877	9.292	27.342	245.483	.834
260.9	9.3008	35.329	37.863	9.272	27.345	255.917	1.073
271.2	9.2874	35.328	37.854	9.257	27.347	266.017	.733
282.3	9.2770	35.328	37.849	9.245	27.349	276.733	.732
292.9	9.2739	35.330	37.852	9.241	27.350	287.617	.807
303.6	9.2609	35.329	37.844	9.227	27.352	298.250	.674
314.3	9.2525	35.327	37.839	9.217	27.352	308.933	.215
325.1	9.2305	35.325	37.820	9.194	27.353	319.700	.777
336.1	9.2045	35.325	37.801	9.167	27.358	330.617	1.157
347.0	9.2046	35.324	37.805	9.166	27.357	341.550	.059
357.7	9.1885	35.324	37.795	9.149	27.360	352.317	.950
368.4	9.1740	35.323	37.787	9.135	27.361	363.017	.679
379.8	9.1575	35.322	37.773	9.115	27.363	374.083	.758
390.6	9.1532	35.323	37.775	9.110	27.365	385.217	.708
401.6	9.1375	35.321	37.763	9.093	27.365	396.100	.596
412.9	9.1271	35.321	37.759	9.081	27.368	407.250	.860
424.4	9.1205	35.320	37.756	9.073	27.368	418.667	.178
435.5	9.1155	35.319	37.754	9.067	27.368	429.967	.421
446.7	9.1005	35.318	37.746	9.051	27.370	441.100	.787
457.4	9.0881	35.317	37.738	9.037	27.371	452.050	.664
469.3	9.0801	35.319	37.737	9.028	27.373	463.367	.845
479.2	9.0710	35.318	37.731	9.018	27.374	474.233	.519
490.7	9.0664	35.318	37.733	9.012	27.375	484.950	.687
502.0	9.0640	35.317	37.735	9.008	27.375	496.350	.243
512.0	9.0624	35.317	37.719	8.985	27.378	507.000	1.103
523.8	9.0640	35.317	37.725	8.986	27.378	517.917	.396
534.7	9.0599	35.318	37.727	8.980	27.379	529.267	.717
545.4	9.0305	35.314	37.719	8.970	27.378	540.083	.548
557.0	9.0197	35.313	37.713	8.958	27.379	551.217	.620
567.7	9.0035	35.311	37.701	8.940	27.380	562.333	.688
579.2	8.9870	35.309	37.688	8.922	27.381	573.417	.664
591.0	8.9705	35.307	37.675	8.905	27.382	585.100	.500
601.4	8.9618	35.305	37.661	8.895	27.383	596.333	.782
612.6	8.9428	35.302	37.655	8.875	27.383	607.100	.083
623.2	8.9204	35.302	37.638	8.851	27.387	617.900	1.109
635.2	8.8886	35.297	37.609	8.818	27.388	629.233	.677
646.4	8.8789	35.297	37.604	8.807	27.389	640.800	.722
657.4	8.8670	35.294	37.594	8.794	27.388	651.900	.334
669.4	8.8296	35.291	37.562	8.755	27.392	663.400	1.104
680.8	8.8135	35.287	37.548	8.738	27.392	675.083	.193
691.4	8.7855	35.287	37.526	8.709	27.396	686.100	1.270
702.8	8.7579	35.284	37.502	8.680	27.398	697.117	.839
713.5	8.7225	35.278	37.468	8.644	27.400	708.167	.767
725.1	8.6973	35.277	37.448	8.617	27.402	719.283	.976
736.2	8.6744	35.273	37.428	8.593	27.403	730.633	.589
746.7	8.6504	35.272	37.409	8.568	27.406	741.450	.992
757.9	8.6345	35.269	37.396	8.551	27.406	752.283	.573
770.1	8.6055	35.264	37.370	8.521	27.407	764.000	.599
780.7	8.5915	35.266	37.362	8.506	27.410	775.417	1.043
792.2	8.5645	35.263	37.339	8.478	27.412	786.480	.872
803.0	8.5194	35.259	37.298	8.432	27.417	797.617	1.238
814.8	8.4891	35.259	37.275	8.400	27.421	808.917	1.215
825.7	8.4580	35.257	37.248	8.368	27.424	820.250	1.045
836.5	8.4255	35.255	37.220	8.334	27.428	831.083	1.087
849.2	8.3936	35.254	37.195	8.301	27.432	842.850	1.144
860.0	8.3785	35.252	37.184	8.285	27.433	854.617	.681
871.5	8.3460	35.251	37.157	8.251	27.437	865.750	1.159
882.8	8.2974	35.246	37.112	8.202	27.441	877.167	1.113
893.8	8.2339	35.242	37.053	8.138	27.447	888.333	1.511
905.4	8.1740	35.238	36.999	8.077	27.454	899.617	1.456
917.1	8.1370	35.236	36.967	8.039	27.458	911.233	1.145
928.0	8.1116	35.232	36.944	8.012	27.458	922.517	.681
939.2	8.0225	35.231	36.864	7.922	27.471	933.567	2.018
950.7	7.9445	35.225	36.791	7.844	27.478	944.917	1.573
961.7	7.8651	35.225	36.722	7.764	27.490	956.200	1.978
972.4	7.8041	35.222	36.667	7.702	27.497	967.067	1.592
984.1	7.7204	35.218	36.590	7.618	27.506	978.250	1.722
996.5	7.6594	35.221	36.541	7.556	27.518	990.283	1.840
1007.0	7.6025	35.217	36.489	7.498	27.523	1001.72	1.422
1017.2	7.5299	35.212	36.422	7.425	27.530	1012.07	1.627
1029.4	7.4261	35.210	36.328	7.320	27.543	1023.27	2.024
1040.8	7.3220	35.204	36.230	7.216	27.553	1035.08	1.858
1052.7	7.2641	35.203	36.181	7.157	27.561	1046.75	1.564
1064.0	7.1649	35.195	36.087	7.057	27.569	1058.35	1.731
1074.3	7.0734	35.188	36.000	6.966	27.576	1069.15	1.711
1086.5	6.9360	35.182	35.873	6.828	27.591	1080.38	2.180
1097.4	6.8636	35.178	35.807	6.755	27.598	1091.93	1.616
1109.2	6.7826	35.174	35.733	6.673	27.606	1103.30	1.656
1120.5	6.6825	35.166	35.638	6.573	27.613	1114.87	1.662
1131.6	6.5727	35.159	35.535	6.463	27.623	1126.08	1.861
1142.1	6.4960	35.151	35.462	6.386	27.627	1136.87	1.376
1153.7	6.4286	35.146	35.401	6.318	27.632	1147.92	1.421
1164.8	6.4071	35.151	35.390	6.295	27.639	1159.27	1.452
1176.3	6.3230	35.145	35.312	6.211	27.646	1170.57	1.573
1187.7	6.1676	35.134	35.164	6.056	27.657	1182.02	2.089
1198.6	6.0055	35.117	35.006	5.894	27.665	1193.17	1.925
1209.2	5.9782	35.113	34.982	5.866	27.665	1203.93	.638
1221.0	5.8885	35.108	34.899	5.776	27.672	1215.13	1.612
1231.8	5.8067	35.096	34.819	5.693	27.674	1226.42	1.070
1243.7	5.7208	35.095	34.745	5.607	27.684	1237.77	1.822
1255.4	5.6490	35.092	34.681	5.535	27.690	1249.58	1.536
1265.9	5.5775	35.084	34.614	5.463	27.693	1260.68	1.245
1277.4	5.4876	35.078	34.532	5.373	27.700	1271.68	1.610
1288.1	5.4554	35.074	34.503	5.340	27.700	1282.78	.699
1300.0	5.3860	35.069	34.441	5.270	27.705	1294.05	1.355


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 49

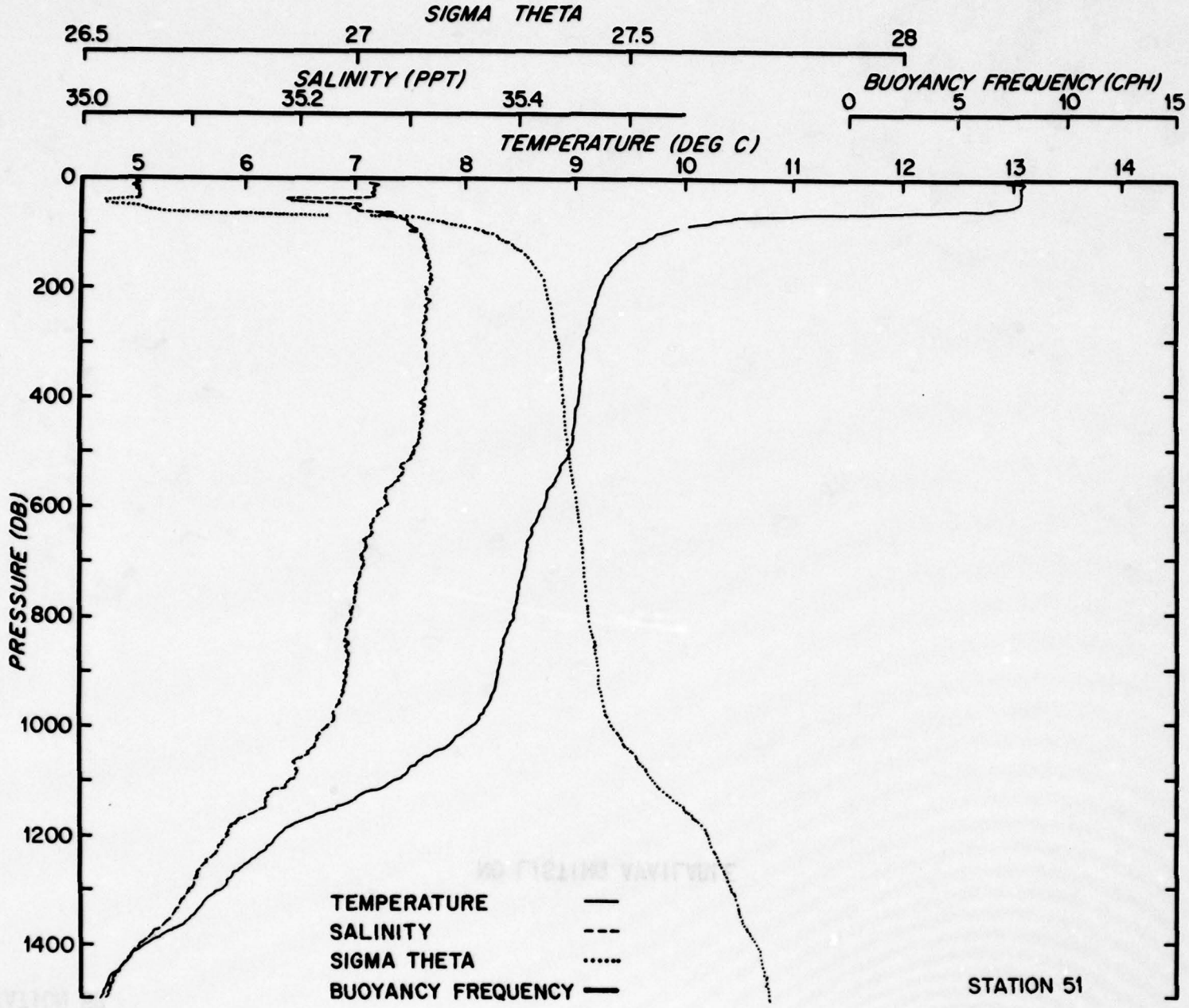
STATION 50

NO LISTING AVAILABLE


STATION 50
BUOYANCY FREQUENCY (CPH)
SIGMA THETA
SALINITY (PPT)
TEMPERATURE (DEG C)
PRESSURE (DB)
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY

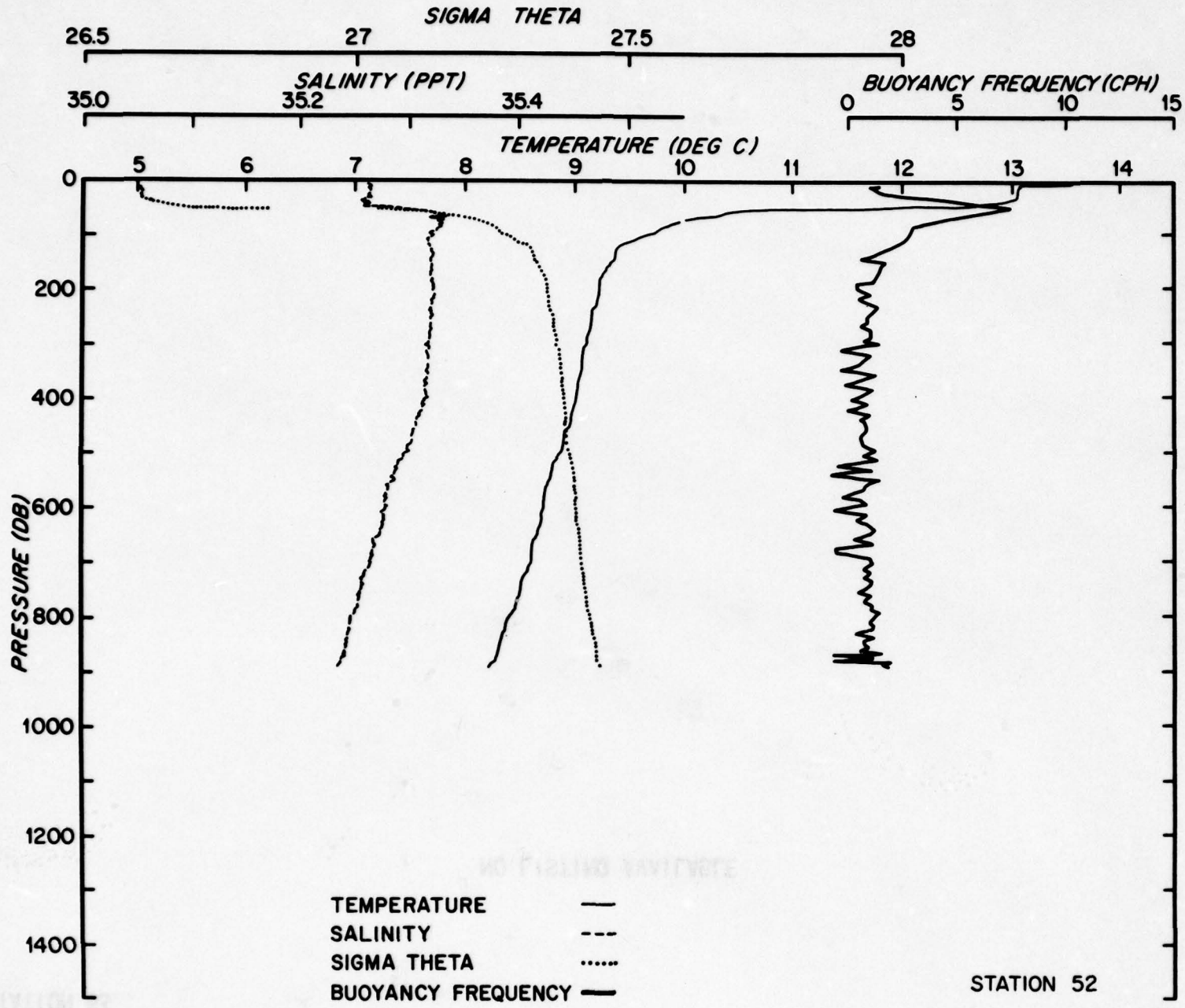
STATION 51

NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 51

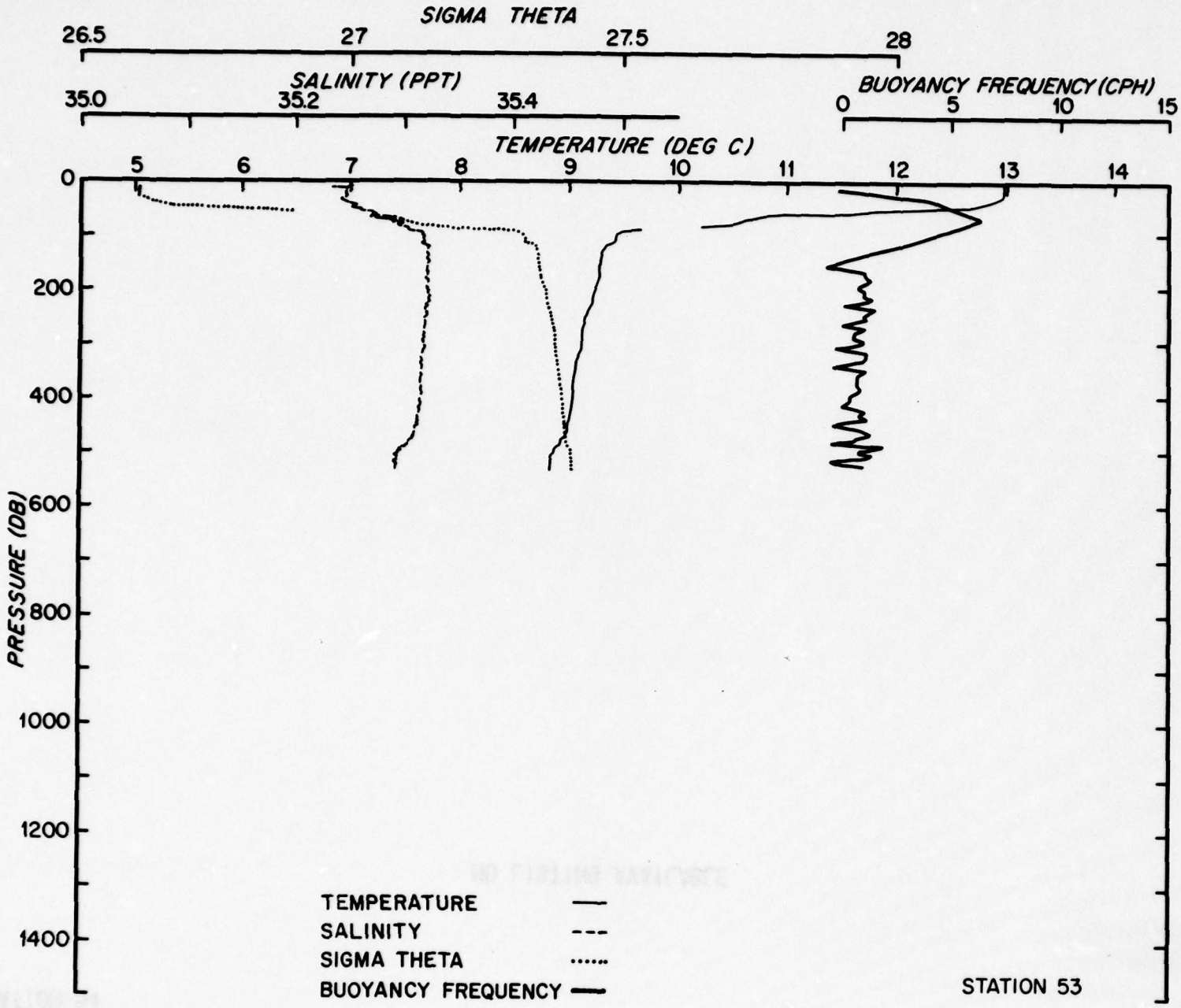
STATION 52

NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 52

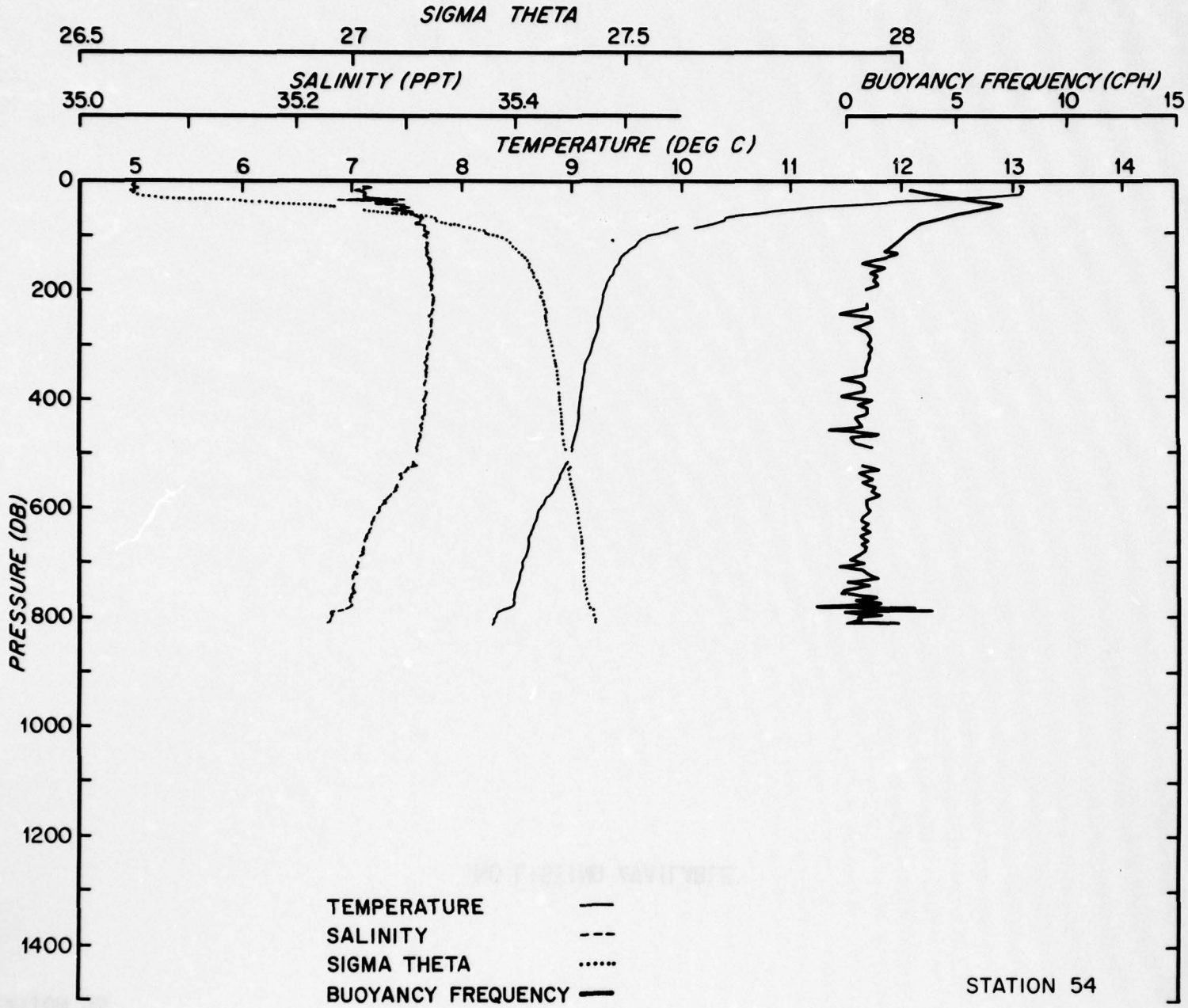
STATION 53

NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
200
400
600
800
1000
1200
1400
PRESSURE (DB)
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 53

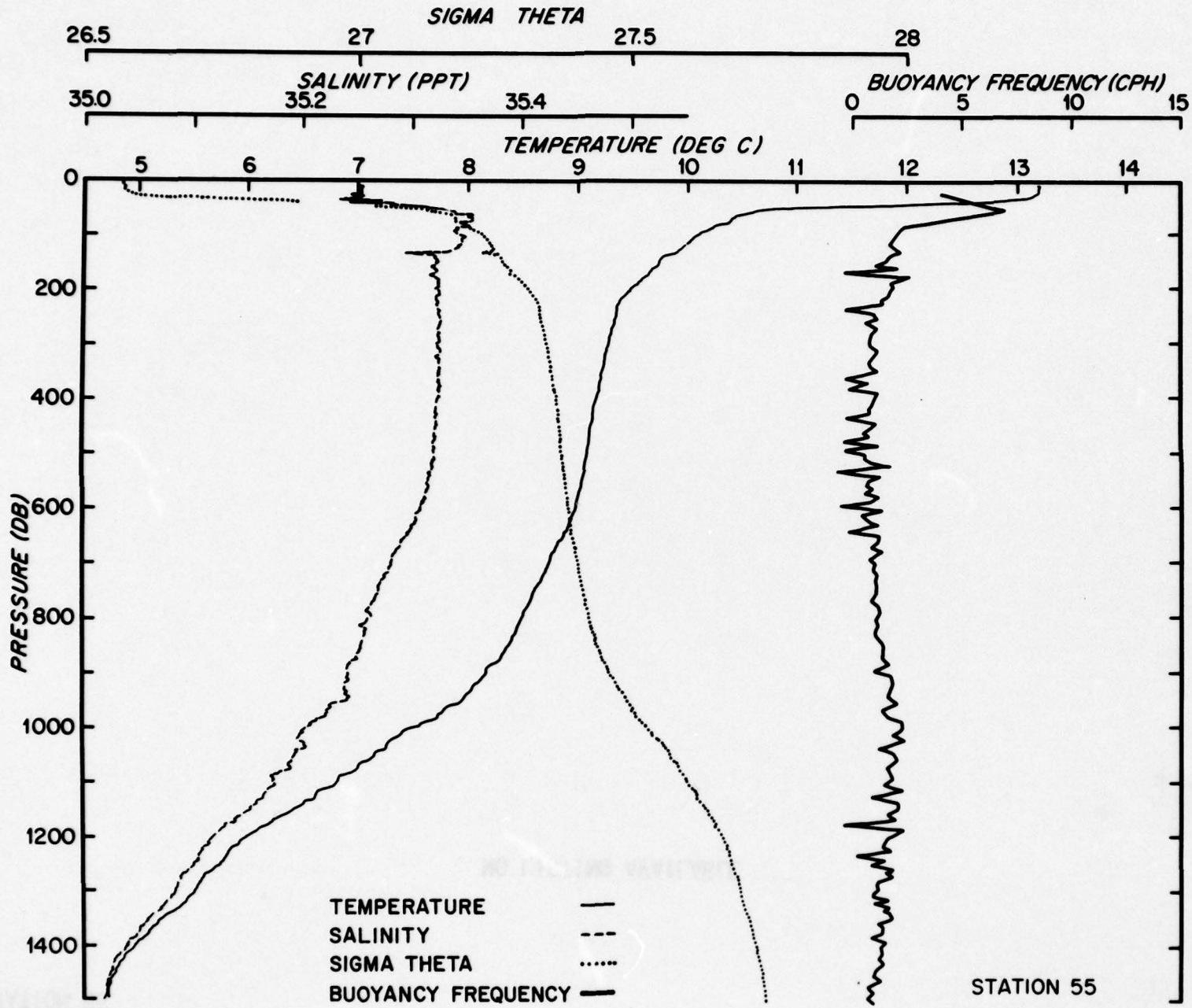
STATION 54

NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 54

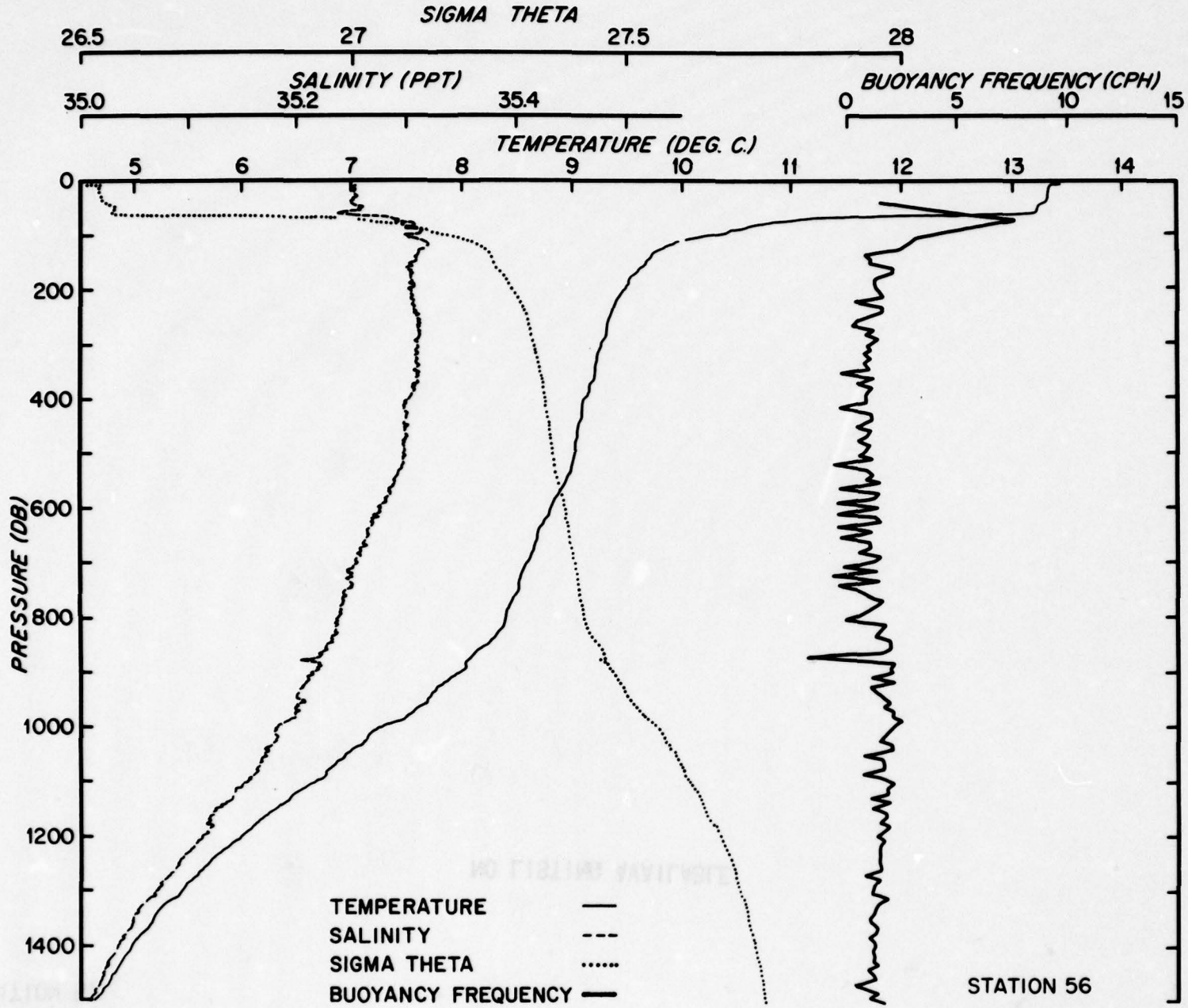
STATION 55

NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 55

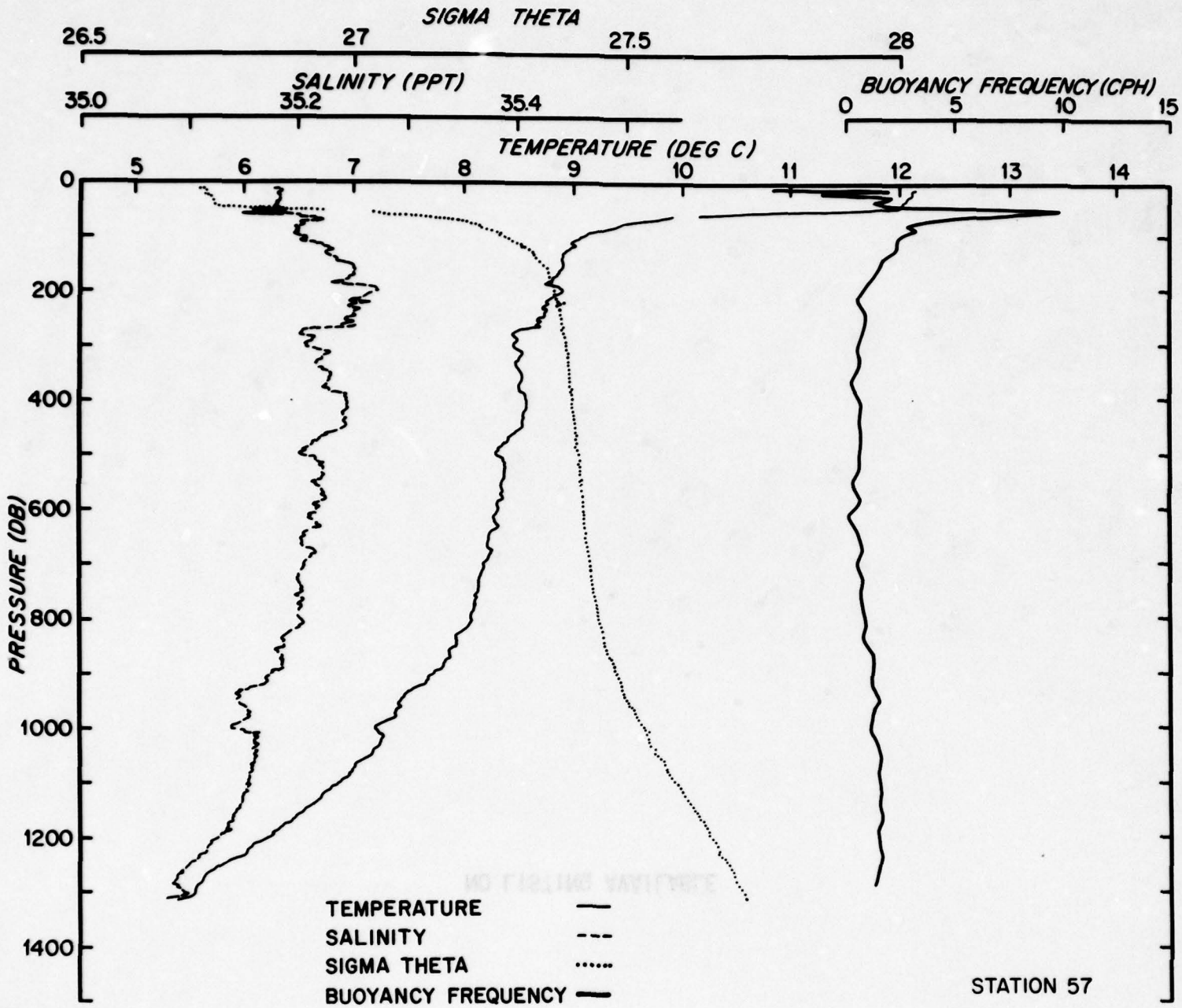
STATION 56

NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG. C.)
5
6
7
8
9
10
11
12
13
14
0
200
400
600
800
1000
1200
1400
PRESSURE (DB)
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 56

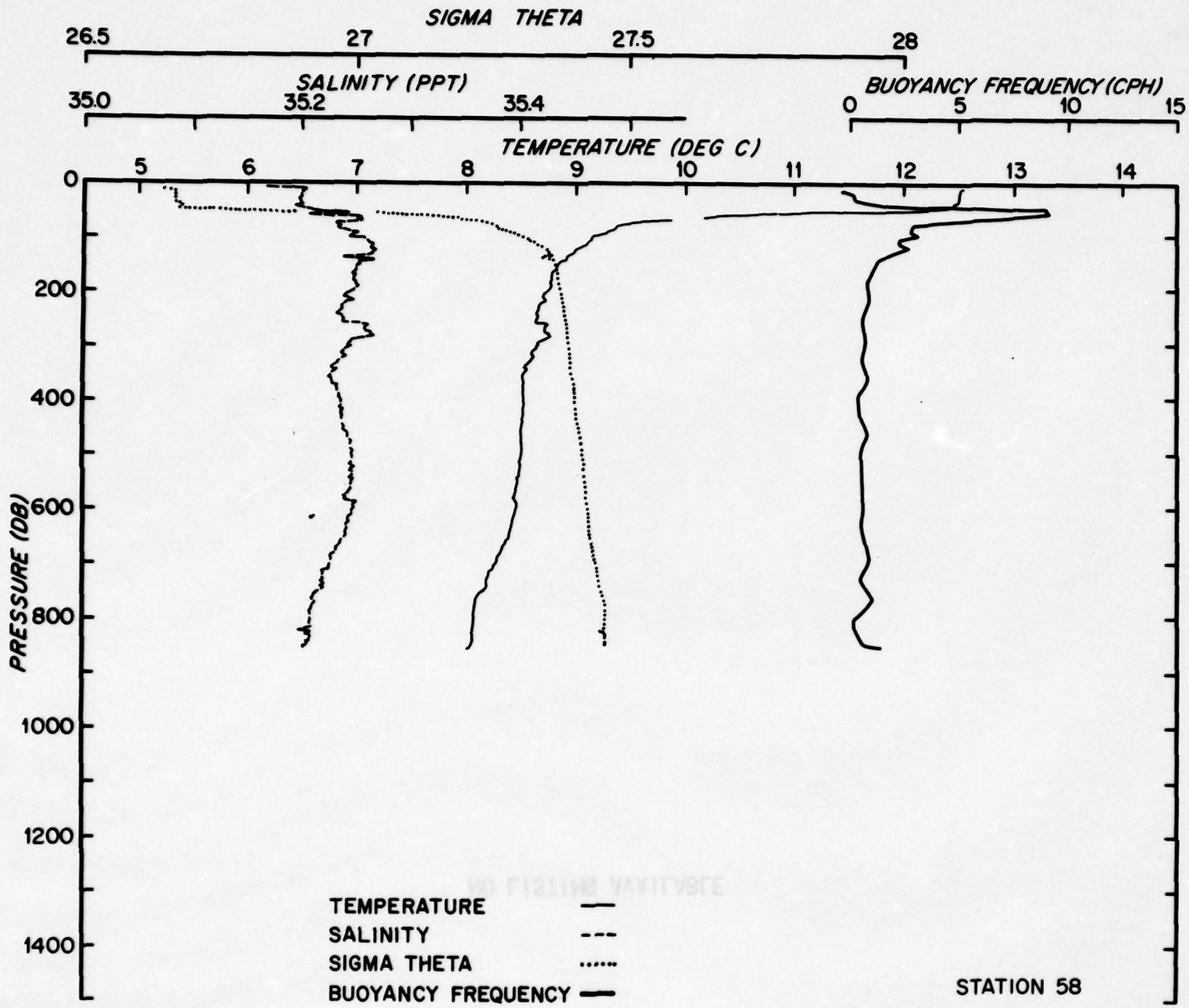
STATION 57

NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 57

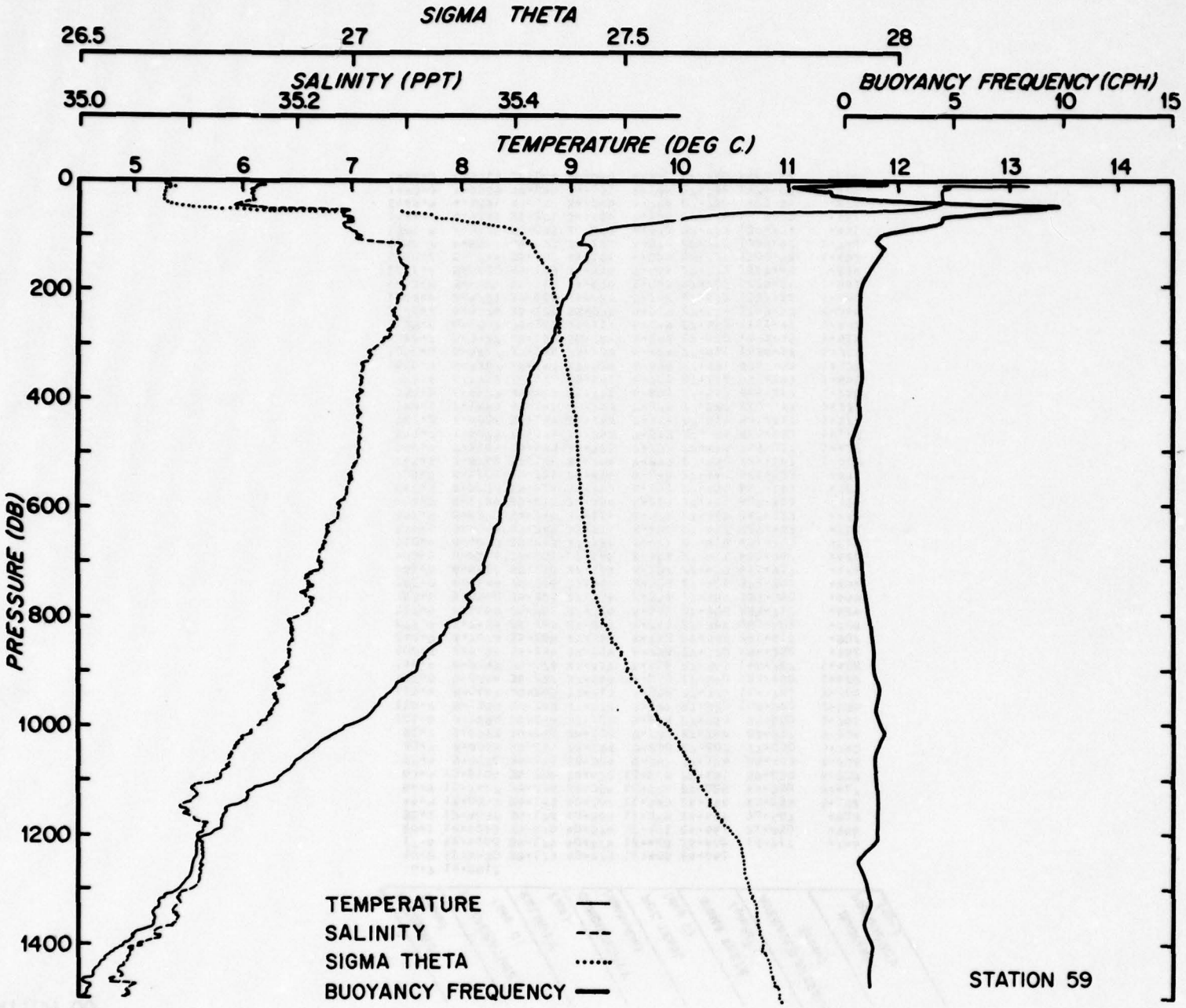
STATION 58

NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 58

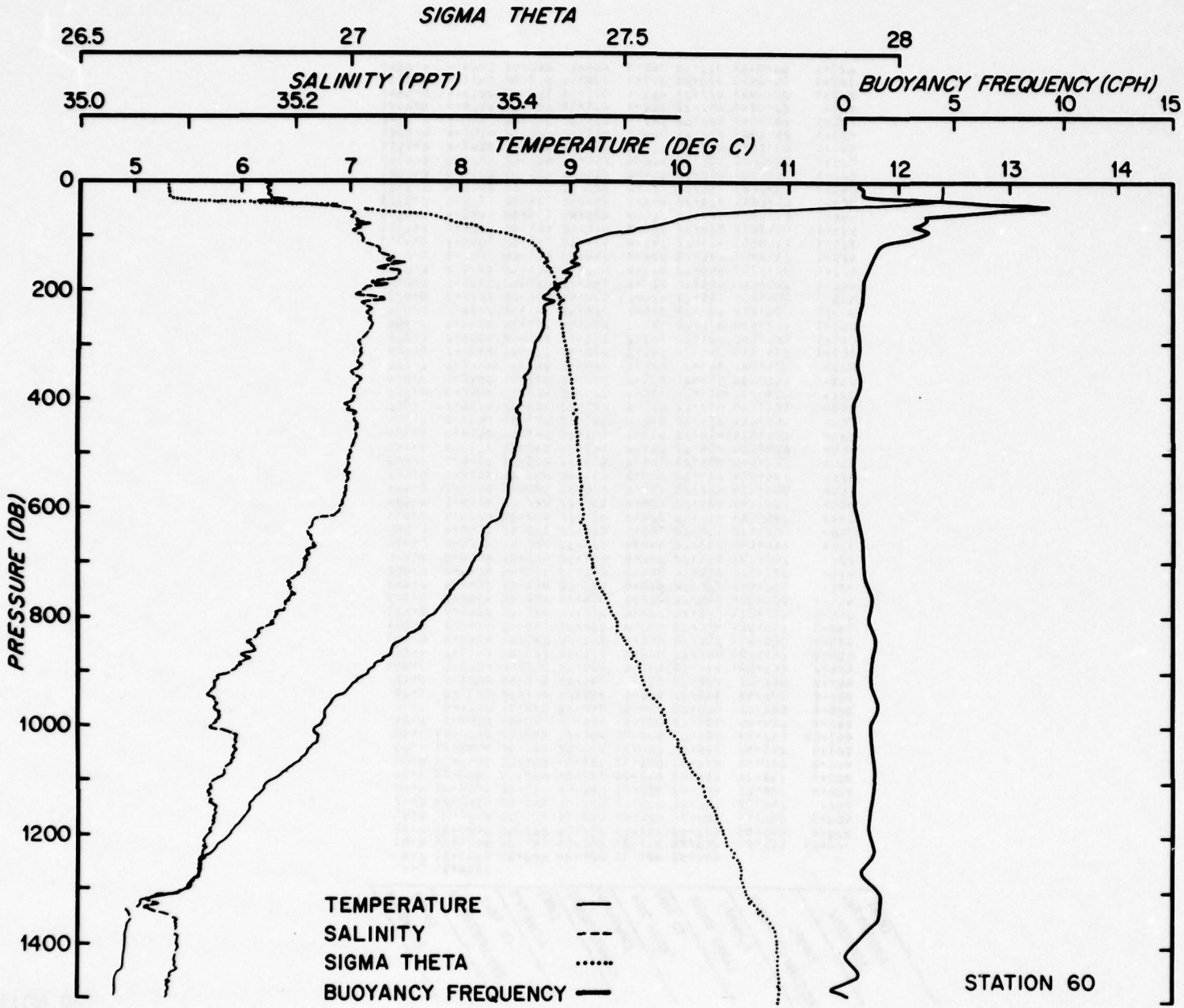
STATION 59

NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C.)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 59

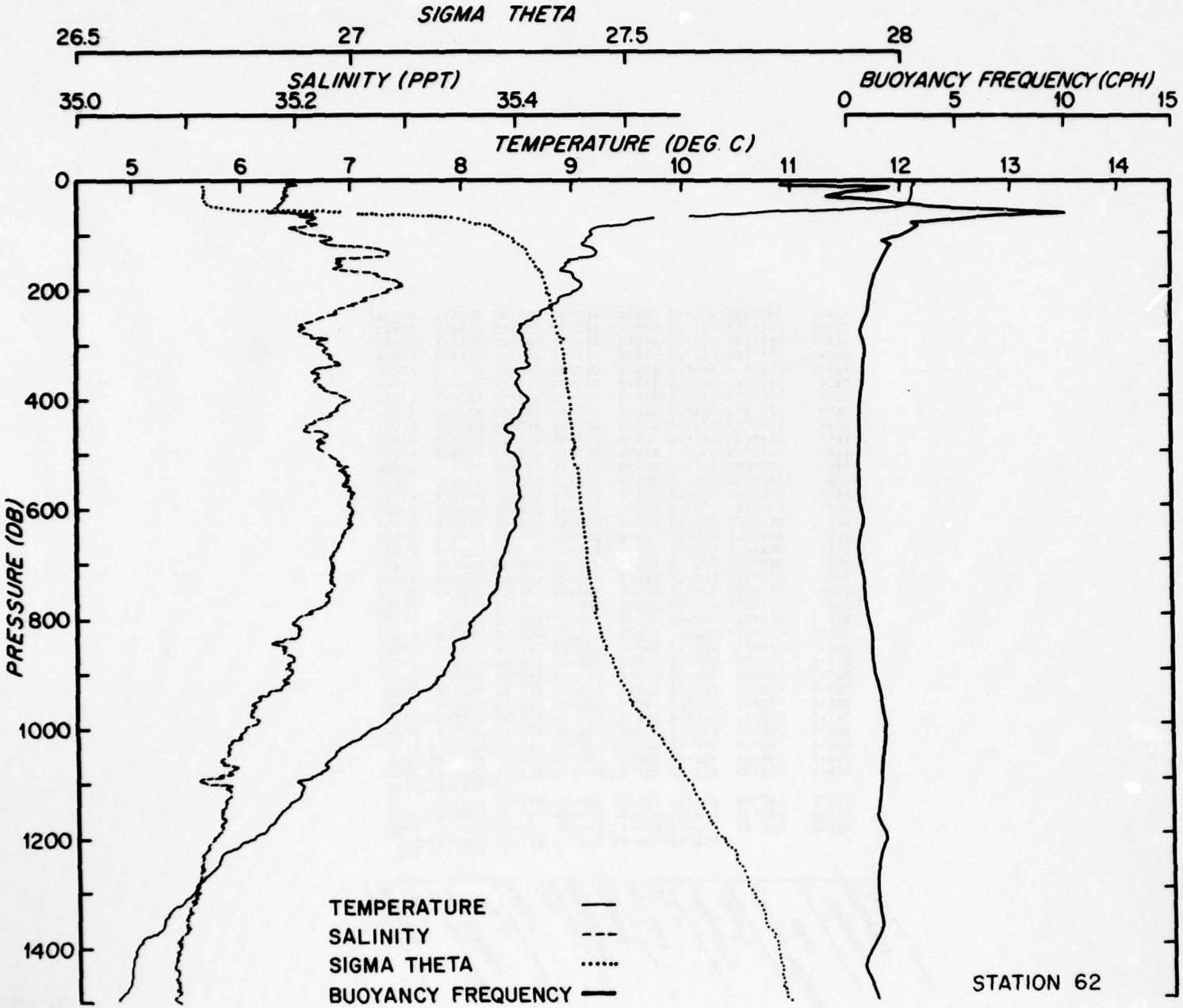
STATION 60

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
6.7	14.9917						
10.2	12.4090	35.173	40.573	12.408	26.661		
17.6	12.4100	35.174	40.579	12.408	26.662	13.917	.744
26.1	12.4043	35.176	40.578	12.401	26.664	21.850	.946
35.2	12.4035	35.178	40.584	12.399	26.667	30.667	.903
44.9	12.0043	35.183	40.207	11.999	26.748	40.083	5.152
54.9	10.7427	35.238	39.054	10.736	27.025	49.900	9.417
63.6	10.2154	35.254	38.570	10.208	27.131	59.233	5.209
73.4	9.9550	35.251	38.324	9.947	27.174	68.483	3.736
80.7	9.8095	35.261	38.198	9.800	27.207	77.050	3.745
91.7	9.5993	35.260	38.003	9.589	27.242	86.217	3.208
101.6	9.2894	35.256	37.709	9.278	27.290	96.650	3.961
110.2	9.1393	35.263	37.578	9.127	27.320	105.900	3.335
119.4	9.0647	35.265	37.513	9.052	27.334	114.783	2.205
127.5	9.0844	35.277	37.548	9.070	27.340	123.450	1.622
166.4	8.9343	35.276	37.422	8.916	27.363	146.967	1.402
202.3	8.8194	35.264	37.319	8.798	27.373	184.350	.902
240.9	8.7878	35.269	37.312	8.762	27.382	221.617	.907
279.9	8.7435	35.268	37.286	8.713	27.388	260.433	.728
317.5	8.6688	35.261	37.226	8.635	27.395	298.717	.826
353.6	8.5960	35.251	37.164	8.558	27.398	335.550	.699
392.2	8.5648	35.255	37.156	8.523	27.406	372.900	.835
431.6	8.5531	35.256	37.163	8.507	27.409	411.917	.491
473.1	8.5342	35.257	37.165	8.483	27.413	452.367	.620
510.4	8.4815	35.249	37.124	8.427	27.415	491.733	.519
549.0	8.4648	35.249	37.126	8.406	27.417	529.683	.531
587.8	8.4373	35.246	37.114	8.374	27.419	568.233	.474
628.3	8.2798	35.218	36.958	8.213	27.421	607.883	.626
667.3	8.2238	35.218	36.923	8.153	27.431	647.783	.929
705.8	8.1202	35.211	36.836	8.046	27.440	686.533	.991
743.3	7.9765	35.196	36.704	7.899	27.450	724.567	1.092
782.7	7.8184	35.193	36.571	7.737	27.472	763.017	1.407
822.7	7.6273	35.174	36.393	7.543	27.485	802.683	1.179
861.0	7.4008	35.164	36.189	7.314	27.511	841.817	1.573
899.1	7.1883	35.146	35.993	7.098	27.527	880.017	1.332
938.6	6.9529	35.124	35.771	6.860	27.543	918.817	1.299
976.6	6.7958	35.133	35.651	6.700	27.572	957.583	1.690
1016.3	6.7367	35.147	35.626	6.638	27.591	996.433	1.305
1056.0	6.5857	35.146	35.503	6.484	27.611	1036.15	1.367
1094.7	6.3427	35.132	35.284	6.239	27.632	1075.35	1.519
1129.2	6.1549	35.122	35.117	6.049	27.650	1111.92	1.439
1170.3	6.0276	35.128	35.023	5.919	27.671	1149.72	1.384
1205.4	5.8791	35.120	34.895	5.768	27.683	1187.83	1.250
1245.2	5.6521	35.114	34.699	5.539	27.707	1225.28	1.561
1281.7	5.5800	35.109	34.645	5.464	27.712	1263.45	.832
1320.2	5.0745	35.063	34.161	4.960	27.737	1300.98	1.833
1357.7	4.9947	35.093	34.130	4.877	27.770	1338.97	1.742
1395.8	4.9405	35.093	34.097	4.820	27.777	1376.73	.831
1434.4	4.9331	35.091	34.105	4.809	27.776	1415.07	.187
1469.5	4.8551	35.087	34.045	4.728	27.782	1451.95	.876
1483.0	4.8569	35.085	34.051	4.728	27.780	1476.27	.578
1495.0	4.8515	35.084	34.050	4.722	27.780	1489.02	.238


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
0
200
400
600
800
1000
1200
1400
PRESSURE (DB)
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 60

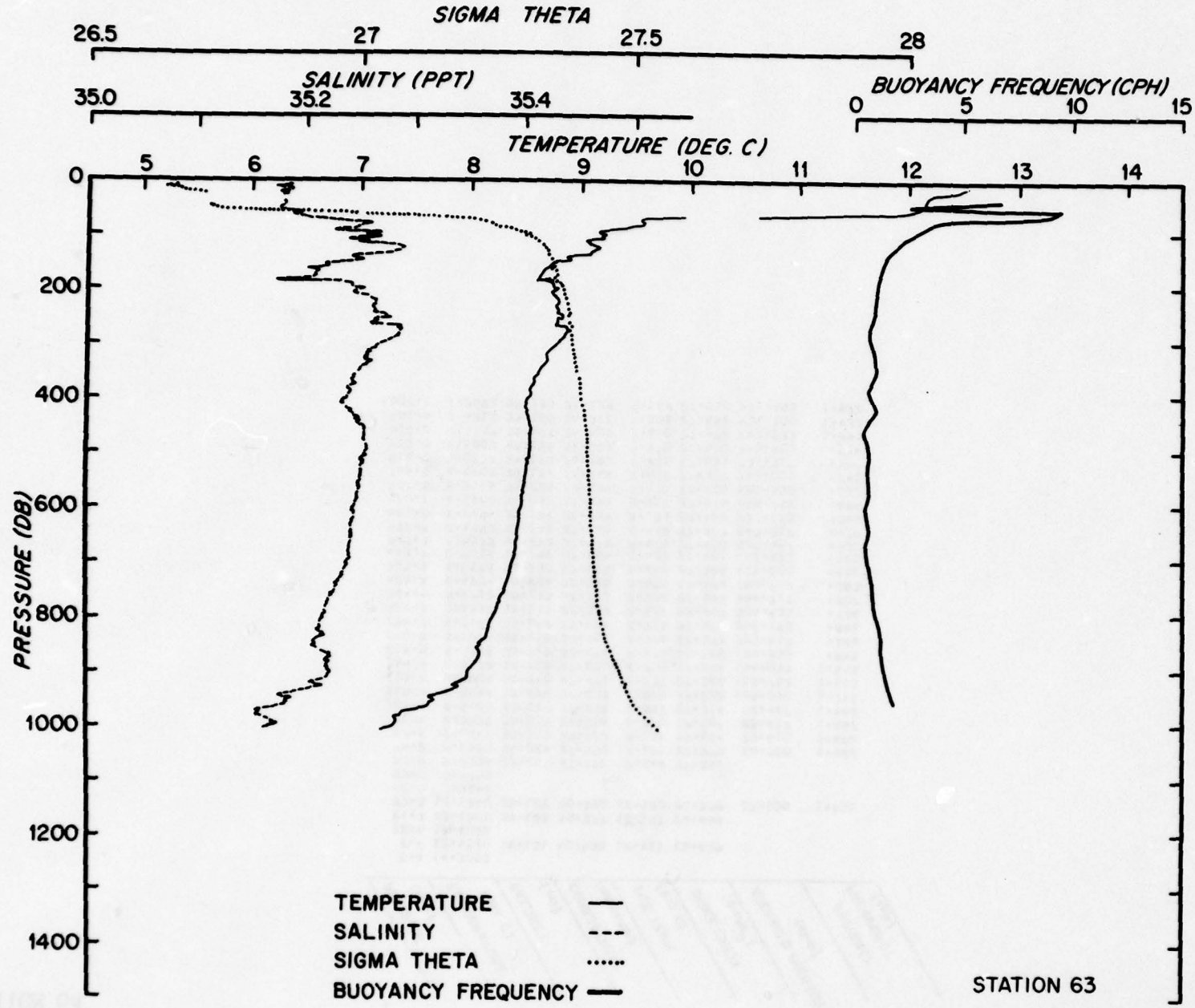
STATION 62

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.0	11.8167						
6.7	12.1250	35.205	40.330	12.124	26.742		
10.2	12.1176	35.190	40.309	12.116	26.732	8.483	3.047
11.4	12.1259	35.192	40.319	12.124	26.731	10.800	.998
16.2	12.0943	35.191	40.290	12.092	26.737	13.783	1.950
24.3	12.0911	35.191	40.290	12.088	26.737	20.267	.360
33.4	12.0901	35.187	40.289	12.086	26.734	28.867	.923
41.1	12.0747	35.189	40.280	12.069	26.739	37.267	1.392
50.9	11.9121	35.183	40.121	11.905	26.765	46.033	2.946
57.4	11.2646	35.124	39.442	11.257	26.841	54.167	6.125
66.1	10.0730	35.212	38.394	10.065	27.123	61.733	10.156
72.8	9.6079	35.216	37.960	9.600	27.206	69.417	6.282
81.8	9.4749	35.220	37.842	9.466	27.231	77.283	2.988
88.1	9.2250	35.193	37.582	9.215	27.251	84.950	3.226
96.6	9.1722	35.210	37.552	9.162	27.273	92.350	2.856
105.1	9.1759	35.230	37.579	9.164	27.288	100.833	2.395
113.8	9.1149	35.227	37.522	9.102	27.296	109.417	1.652
122.3	9.1464	35.247	37.575	9.133	27.307	118.050	2.014
155.4	8.9494	35.241	37.398	8.933	27.334	138.867	1.641
189.2	9.0979	35.295	37.605	9.077	27.352	172.317	1.309
221.8	8.8938	35.267	37.400	8.870	27.363	205.500	1.104
255.7	8.6418	35.226	37.140	8.615	27.372	238.750	.984
288.5	8.5630	35.214	37.069	8.532	27.375	272.117	.628
328.6	8.5998	35.231	37.136	8.568	27.382	307.067	.793
360.0	8.5238	35.222	37.072	8.488	27.387	342.833	.771
392.9	8.5930	35.242	37.170	8.551	27.391	376.450	.630
428.3	8.5374	35.234	37.126	8.492	27.394	410.567	.569
460.9	8.4818	35.226	37.081	8.433	27.396	444.600	.605
494.5	8.4585	35.225	37.073	8.406	27.399	477.700	.591
529.9	8.5119	35.240	37.153	8.455	27.402	512.167	.535
563.1	8.5417	35.250	37.205	8.484	27.406	546.500	.582
596.2	8.5177	35.249	37.196	8.453	27.409	579.683	.604
631.6	8.4839	35.249	37.181	8.416	27.414	613.933	.783
666.2	8.4139	35.239	37.120	8.342	27.417	648.900	.637
700.1	8.3674	35.232	37.085	8.292	27.419	683.133	.580
735.2	8.3404	35.234	37.077	8.261	27.425	717.650	.789
768.6	8.2688	35.228	37.018	8.186	27.431	751.883	.858
803.7	8.0844	35.198	36.833	7.999	27.436	786.117	.880
839.2	7.9562	35.187	36.718	7.868	27.447	821.417	1.101
872.3	7.9328	35.198	36.722	7.841	27.459	855.733	1.140
906.2	7.8163	35.192	36.622	7.721	27.472	889.233	1.190
940.8	7.5587	35.165	36.372	7.462	27.489	923.500	1.446
976.0	7.3731	35.160	36.210	7.274	27.511	958.400	1.566
1010.2	7.1211	35.149	35.981	7.020	27.539	993.067	1.769
1045.3	6.8715	35.139	35.756	6.768	27.566	1027.72	1.726
1079.1	6.7337	35.143	35.647	6.628	27.588	1062.17	1.558
1114.6	6.5551	35.141	35.496	6.447	27.611	1096.83	1.572
1147.6	6.3804	35.134	35.342	6.271	27.629	1131.10	1.488
1182.4	6.2391	35.131	35.225	6.127	27.646	1165.00	1.384
1215.7	5.9711	35.120	34.984	5.858	27.672	1199.05	1.802
1249.4	5.7862	35.115	34.825	5.671	27.692	1232.53	1.540
1284.3	5.6125	35.109	34.676	5.496	27.709	1266.82	1.433
1315.5	5.4726	35.104	34.557	5.354	27.722	1299.90	1.351
1351.3	5.2976	35.099	34.408	5.177	27.740	1333.40	1.441
1384.4	5.1014	35.092	34.238	4.980	27.757	1367.83	1.525
1418.9	5.0150	35.090	34.172	4.891	27.766	1401.67	1.053
1452.8	4.9785	35.089	34.152	4.852	27.769	1435.72	.695
1485.5	4.9146	35.091	34.110	4.785	27.779	1469.02	1.073
1505.5	4.7765	35.078	33.982	4.647	27.784	1495.50	1.291
1528.4	4.6501	35.065	33.866	4.520	27.788	1516.95	1.129


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG. C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 62

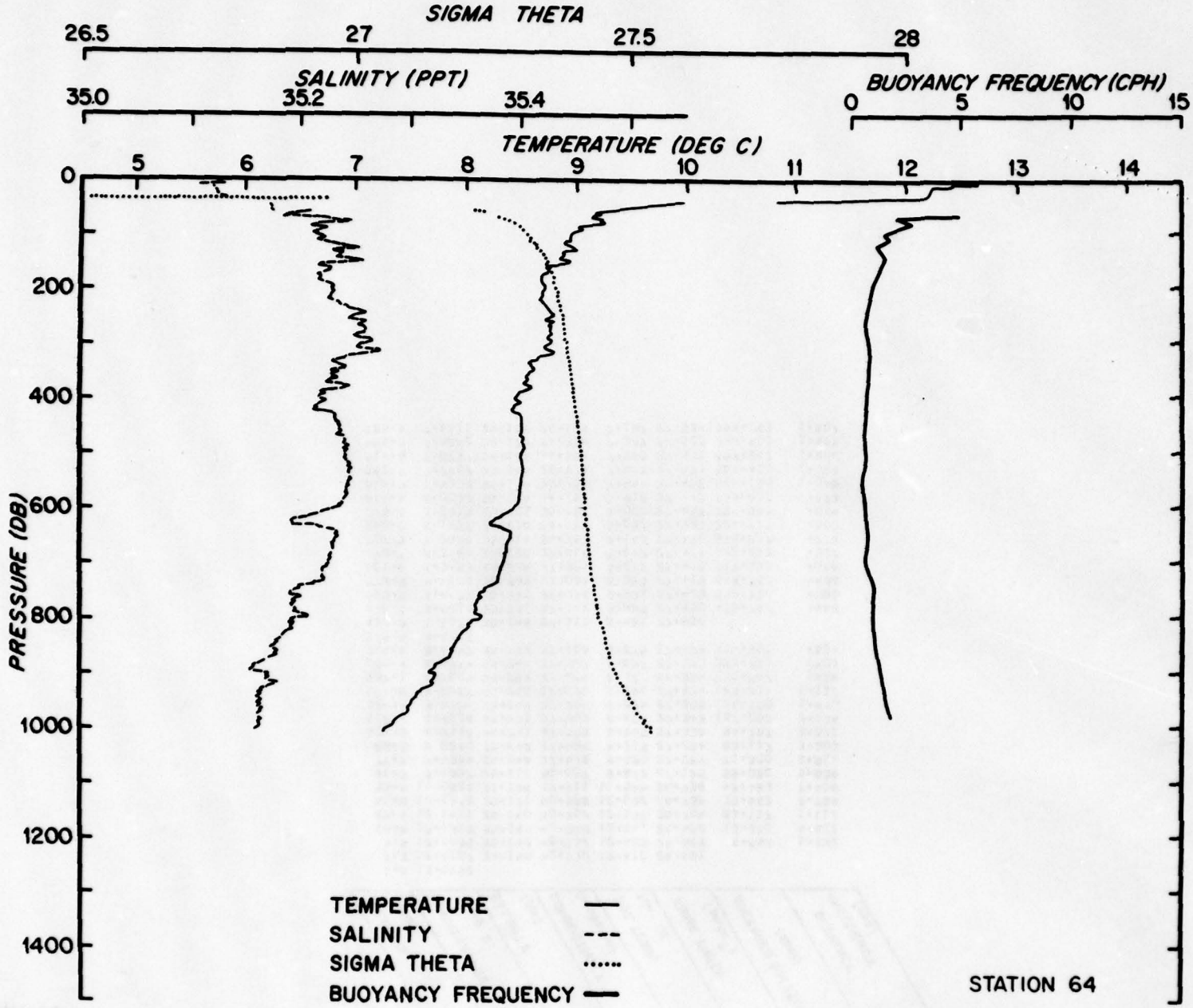
STATION 63

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
7.8	14.4452						
11.3	12.4550	35.188	40.634	12.454	26.664		
13.2	12.4652	35.187	40.643	12.463	26.661	12.250	2.324
20.9	12.3296	35.186	40.515	12.327	26.687	17.067	3.299
27.8	12.1771	35.184	40.368	12.173	26.715	24.383	3.575
36.1	12.1582						
44.3	12.1491	35.182	40.346	12.143	26.719	40.200	6.618
52.6	12.0486	35.177	40.247	12.042	26.734	48.467	2.447
61.8	10.7650	35.198	39.039	10.758	26.990	57.200	9.393
70.3	9.6209	35.203	37.958	9.613	27.193	66.050	8.728
78.4	9.5898	35.252	37.980	9.581	27.237	74.333	4.141
86.8	9.3944	35.248	37.795	9.385	27.267	82.600	3.354
95.6	9.1884	35.238	37.594	9.178	27.292	91.200	3.081
103.7	9.2205	35.267	37.655	9.209	27.310	99.650	2.590
112.7	9.0917	35.257	37.528	9.079	27.323	108.217	2.212
120.1	9.1615	35.283	37.623	9.148	27.333	116.383	1.999
155.3	8.7424	35.222	37.185	8.726	27.352	137.683	1.397
189.6	8.7472	35.239	37.221	8.727	27.364	172.433	1.072
224.7	8.8132	35.263	37.322	8.789	27.379	207.117	.894
261.2	8.7904	35.267	37.321	8.762	27.380	242.950	.815
296.6	8.8043	35.274	37.356	8.772	27.383	278.900	.551
332.3	8.7098	35.262	37.272	8.674	27.389	314.450	.795
367.3	8.5783	35.245	37.148	8.539	27.396	349.833	.912
403.5	8.5173	35.235	37.097	8.474	27.398	385.400	.477
440.1	8.5402	35.250	37.150	8.493	27.406	421.783	.889
475.5	8.5536	35.253	37.181	8.503	27.407	457.817	.283
511.9	8.5288	35.252	37.173	8.474	27.410	493.700	.584
548.2	8.5106	35.252	37.171	8.452	27.412	530.017	.529
582.6	8.4862	35.250	37.162	8.423	27.415	565.367	.586
620.2	8.4593	35.246	37.149	8.392	27.415	601.400	.379
654.6	8.4403	35.246	37.146	8.370	27.418	637.433	.581
690.3	8.4193	35.242	37.139	8.345	27.419	672.483	.404
726.0	8.3719	35.236	37.104	8.294	27.421	708.183	.549
762.0	8.2923	35.225	37.035	8.210	27.425	744.000	.739
796.9	8.2261	35.219	36.982	8.141	27.430	779.450	.782
832.9	8.1722	35.221	36.950	8.083	27.441	814.933	1.024
870.0	8.1109	35.225	36.912	8.018	27.453	851.467	1.090
904.7	8.0104	35.224	36.832	7.914	27.467	887.333	1.252
939.0	7.7073	35.185	36.527	7.610	27.482	921.817	1.401
975.6	7.3994	35.160	36.234	7.300	27.508	957.267	1.694


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG. C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 63

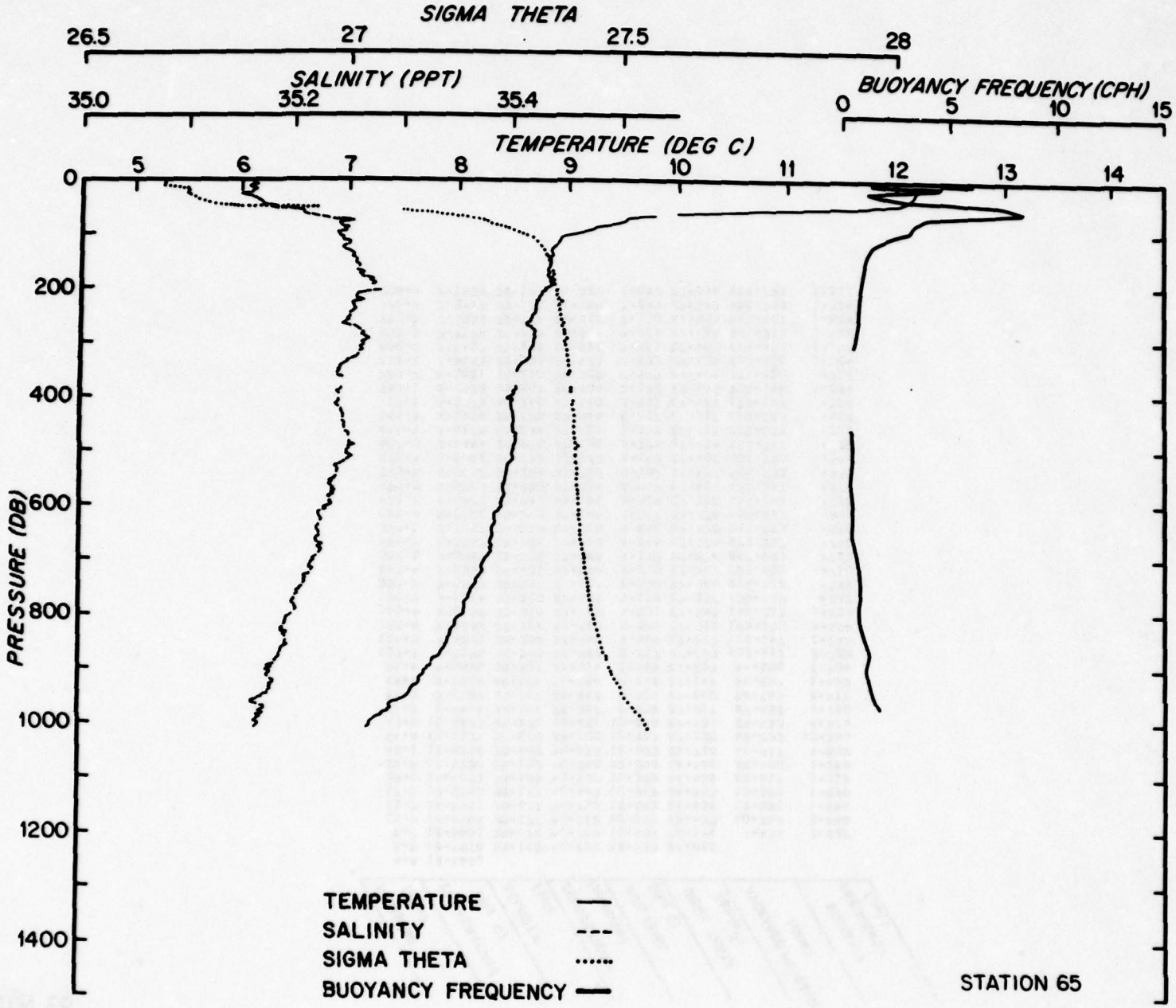
STATION 64

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmhos/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
5.4	14.3003						
9.8	12.4120	35.131	40.533	12.411	26.629		
12.0	12.4026						
21.9	12.1999	35.125	40.327	12.197	26.665		
32.3	12.1840	35.129	40.321	12.180	26.672	27.100	1.401
42.4	9.9841						
53.3	9.4743						
63.6	9.2328	35.207	37.891	9.226	27.261		
74.2	9.2490	35.226	37.630	9.241	27.273	68.900	1.922
84.6	9.0449	35.213	37.429	9.036	27.296	79.400	2.688
94.6	8.9998	35.218	37.396	8.990	27.307	89.617	1.887
104.3	8.9483	35.215	37.349	8.937	27.314	99.467	1.463
113.8	8.8944	35.215	37.303	8.882	27.322	109.050	1.712
123.8	8.9904	35.240	37.421	8.977	27.326	118.783	1.113
164.3	8.7678	35.229	37.220	8.750	27.354	144.033	1.503
204.8	8.6958	35.229	37.171	8.674	27.365	184.533	.991
245.5	8.7974	35.259	37.313	8.771	27.372	225.117	.746
284.8	8.7445	35.252	37.274	8.714	27.376	265.150	.591
324.8	8.6588	35.244	37.203	8.624	27.382	304.833	.796
364.6	8.6712	35.235	37.130	8.632	27.389	344.717	.807
404.8	8.4934	35.224	37.065	8.450	27.393	384.717	.653
445.6	8.5158	35.235	37.115	8.468	27.398	425.200	.650
485.7	8.5339	35.242	37.156	8.482	27.401	465.633	.520
525.6	8.5278	35.246	37.172	8.471	27.405	505.667	.600
572.8	8.4999	35.243	37.164	8.438	27.407	549.217	.479
621.5	8.2494	35.194	36.904	8.183	27.408	597.150	.563
670.1	8.3888	35.233	37.093	8.317	27.416	645.783	.694
717.5	8.3148	35.223	37.034	8.238	27.420	693.800	.600
766.5	8.1202	35.197	36.849	8.049	27.429	742.000	.901
816.0	8.0378	35.196	36.793	7.951	27.441	791.217	.950
865.0	7.8803	35.180	36.653	7.790	27.453	840.500	.998
912.0	7.7047	35.171	36.501	7.610	27.472	888.533	1.296
960.6	7.4913	35.165	36.317	7.393	27.498	936.300	1.432
1002.4	7.2692	35.164	36.129	7.168	27.530	981.483	1.672


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 64

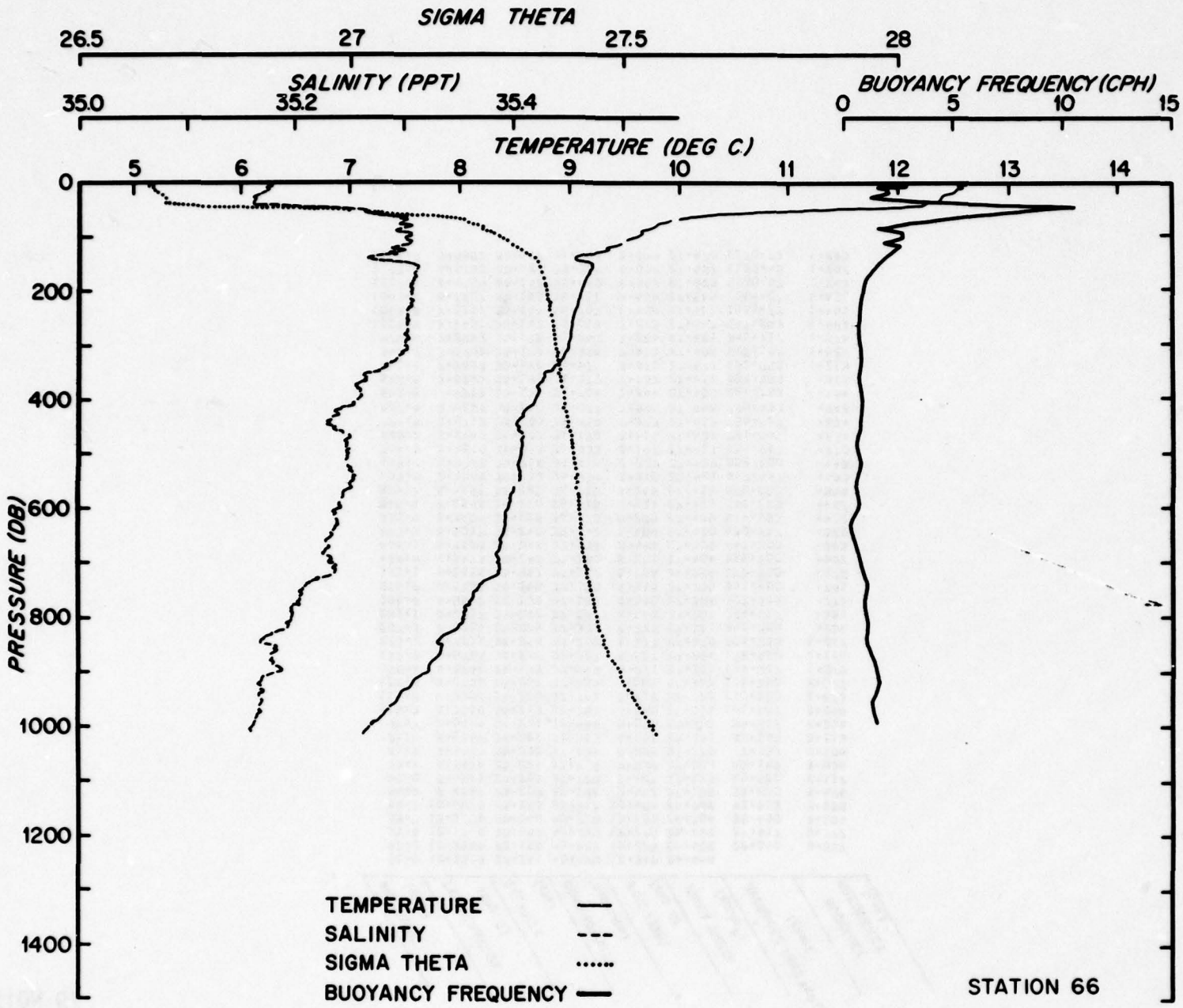
STATION 65

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.6	13.5792						
7.3	12.4107	35.160	40.560	12.410	26.651		
9.9	12.4095	35.162	40.562	12.408	26.653	8.583	1.452
16.8	12.1829	35.164	40.349	12.181	26.699	13.350	4.611
29.4	12.1411	35.160	40.309	12.137	26.704	23.117	1.112
41.5	12.0372	35.171	40.228	12.032	26.732	35.483	2.736
53.4	11.0528	35.198	39.311	11.046	26.938	47.483	7.408
64.7	9.6807	35.218	38.027	9.673	27.195	59.050	8.535
77.9	9.4384	35.248	37.832	9.430	27.259	71.300	3.911
88.3	9.2280	35.248	37.638	9.218	27.294	83.117	3.300
101.2	8.9638	35.241	37.388	8.953	27.332	94.767	3.071
112.9	8.9108	35.251	37.352	8.899	27.348	107.083	2.094
124.2	8.8394	35.245	37.284	8.826	27.355	118.550	1.440
174.9	8.8097	35.263	37.296	8.791	27.374	149.517	1.112
227.1	8.7009	35.254	37.208	8.677	27.384	200.967	.826
280.4	8.6874	35.264	37.229	8.657	27.393	253.750	.803
328.6	8.6097	35.253	37.168	8.575	27.398	304.500	.604
375.6	8.5283						
430.9	8.5073	35.246	37.110	8.461	27.408		
479.6	8.5203	35.251	37.149	8.469	27.410	455.267	.492
525.9	8.4477	35.240	37.091	8.391	27.413	502.750	.550
573.9	8.4196	35.237	37.084	8.358	27.415	549.900	.452
621.2	8.3453	35.226	37.024	8.279	27.418	597.550	.596
670.1	8.3184	35.225	37.019	8.247	27.421	645.633	.537
707.9	8.2388	35.214	36.953	8.163	27.426	688.967	.778
742.0	8.1659	35.210	36.893	8.087	27.433	724.917	.860
775.8	8.0818	35.201	36.821	8.000	27.438	758.883	.854
811.4	8.0032	35.194	36.757	7.918	27.445	793.600	.873
846.9	7.9333	35.194	36.707	7.844	27.455	829.150	1.045
881.9	7.7802	35.185	36.571	7.688	27.471	864.400	1.324
916.6	7.6797	35.184	36.491	7.585	27.485	899.267	1.236
951.0	7.4862	35.170	36.314	7.389	27.503	933.800	1.434
986.4	7.2671	35.169	36.124	7.167	27.534	968.183	1.807


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
0
200
400
600
800
1000
1200
1400
PRESSURE (DB)
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 65

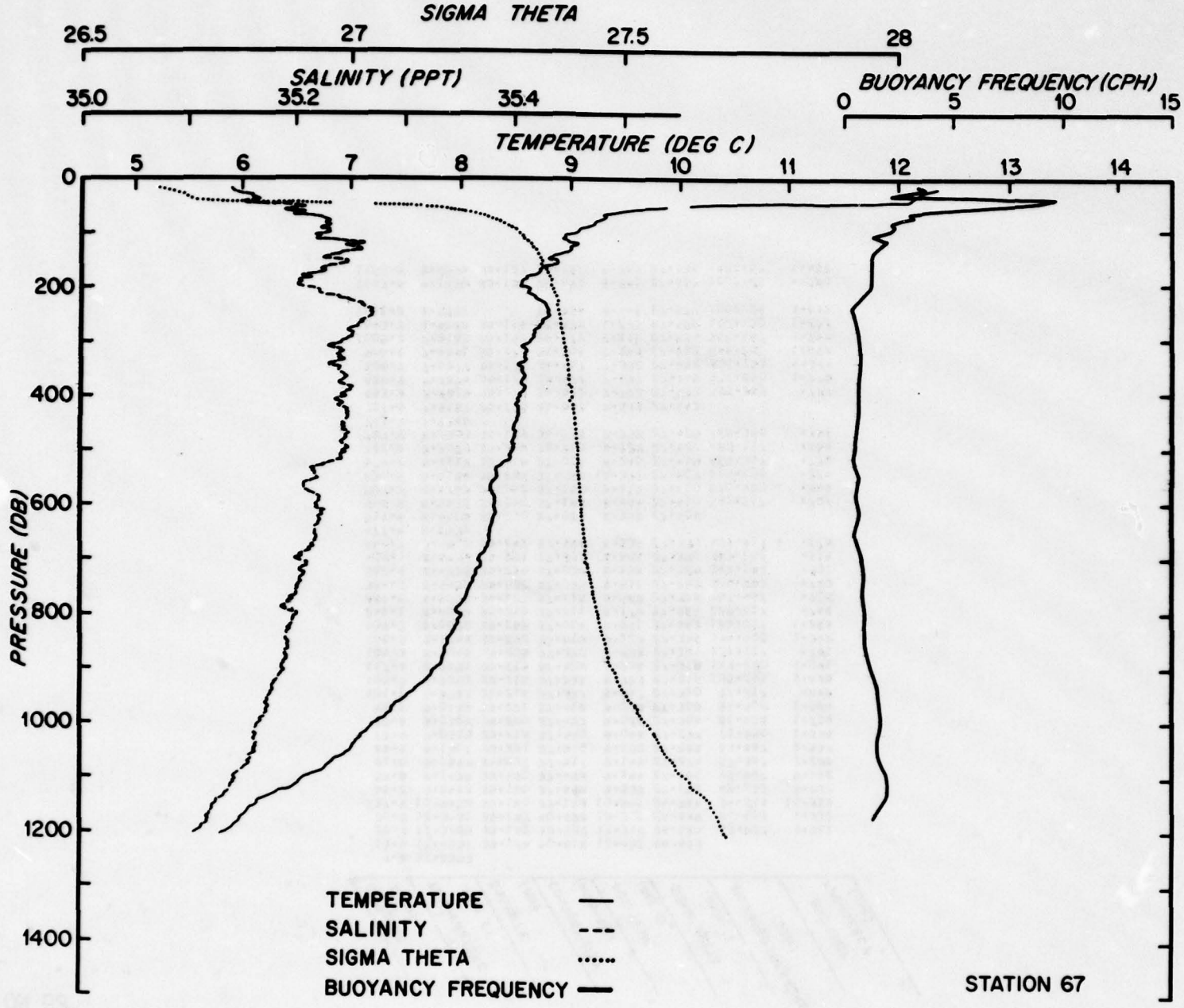
STATION 66

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.8	13.4680						
5.9	12.5536	35.162	40.700	12.553	26.625		
9.7	12.8601	35.172	40.719	12.559	26.631	7.833	2.332
11.8	12.5526	35.177	40.718	12.551	26.637	10.767	2.885
12.9	12.5451	35.177	40.710	12.543	26.638	12.350	1.546
17.2	12.5210	35.177	40.689	12.519	26.643	15.050	1.999
28.0	12.4032	35.165	40.567	12.399	26.656	22.617	2.015
36.8	12.3730	35.163	40.540	12.368	26.661	32.400	1.268
45.1	12.0988	35.162	40.278	12.093	26.714	40.917	4.509
54.6	10.8134	35.266	39.150	10.807	27.035	49.833	10.330
63.2	10.2635	35.290	38.651	10.256	27.151	58.883	6.573
72.2	9.9464	35.304	38.367	9.938	27.217	67.683	4.820
81.3	9.8129	35.307	38.247	9.804	27.242	76.767	2.977
89.8	9.7259	35.295	38.156	9.716	27.247	85.567	1.453
98.4	9.6665	35.307	38.116	9.655	27.267	94.100	2.706
107.8	9.5295	35.305	37.987	9.517	27.289	103.117	2.702
116.5	9.4810	35.306	37.948	9.468	27.297	112.167	1.786
123.8	9.3889	35.304	37.860	9.375	27.311	120.150	2.496
160.4	9.2185	35.315	37.725	9.201	27.348	142.217	1.803
196.9	9.1314	35.310	37.654	9.110	27.358	178.767	.985
233.5	9.0779	35.307	37.617	9.052	27.364	215.183	.799
269.4	9.0399	35.308	37.596	9.010	27.369	251.450	.710
305.0	9.0089	35.305	37.583	8.975	27.374	287.233	.723
341.7	8.8837	35.286	37.463	8.846	27.380	323.367	.780
379.1	8.7307	35.259	37.310	8.690	27.383	360.383	.670
425.4	8.5922	35.242	37.184	8.547	27.392	402.233	.857
460.7	8.5779	35.247	37.191	8.528	27.398	443.067	.775
498.0	8.5709	35.250	37.204	8.517	27.401	479.367	.571
533.5	8.8647	35.286	37.220	8.507	27.407	515.733	.775
570.4	8.5062	35.247	37.173	8.465	27.409	551.950	.561
607.0	8.4414	35.240	37.121	8.376	27.414	588.717	.732
644.4	8.4178	35.236	37.111	8.349	27.416	625.683	.312
681.4	8.3898	35.228	37.066	8.287	27.417	662.883	.609
717.1	8.3778	35.240	37.110	8.301	27.424	699.267	.795
753.1	8.1523	35.208	36.884	8.072	27.433	735.117	1.096
789.7	8.0621	35.200	36.808	7.979	27.441	771.400	.922
826.1	7.9183	35.187	36.677	7.832	27.452	807.900	1.126
862.8	7.8417	35.186	36.621	7.751	27.463	844.450	1.057
899.8	7.7178	35.189	36.524	7.624	27.484	881.317	1.422
930.6	7.6953	35.176	36.318	7.400	27.506	915.217	1.674
970.9	7.3417	35.171	36.189	7.243	27.525	950.733	1.326
1006.8	7.1532	35.164	36.022	7.052	27.546	988.733	1.517


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C.)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 66

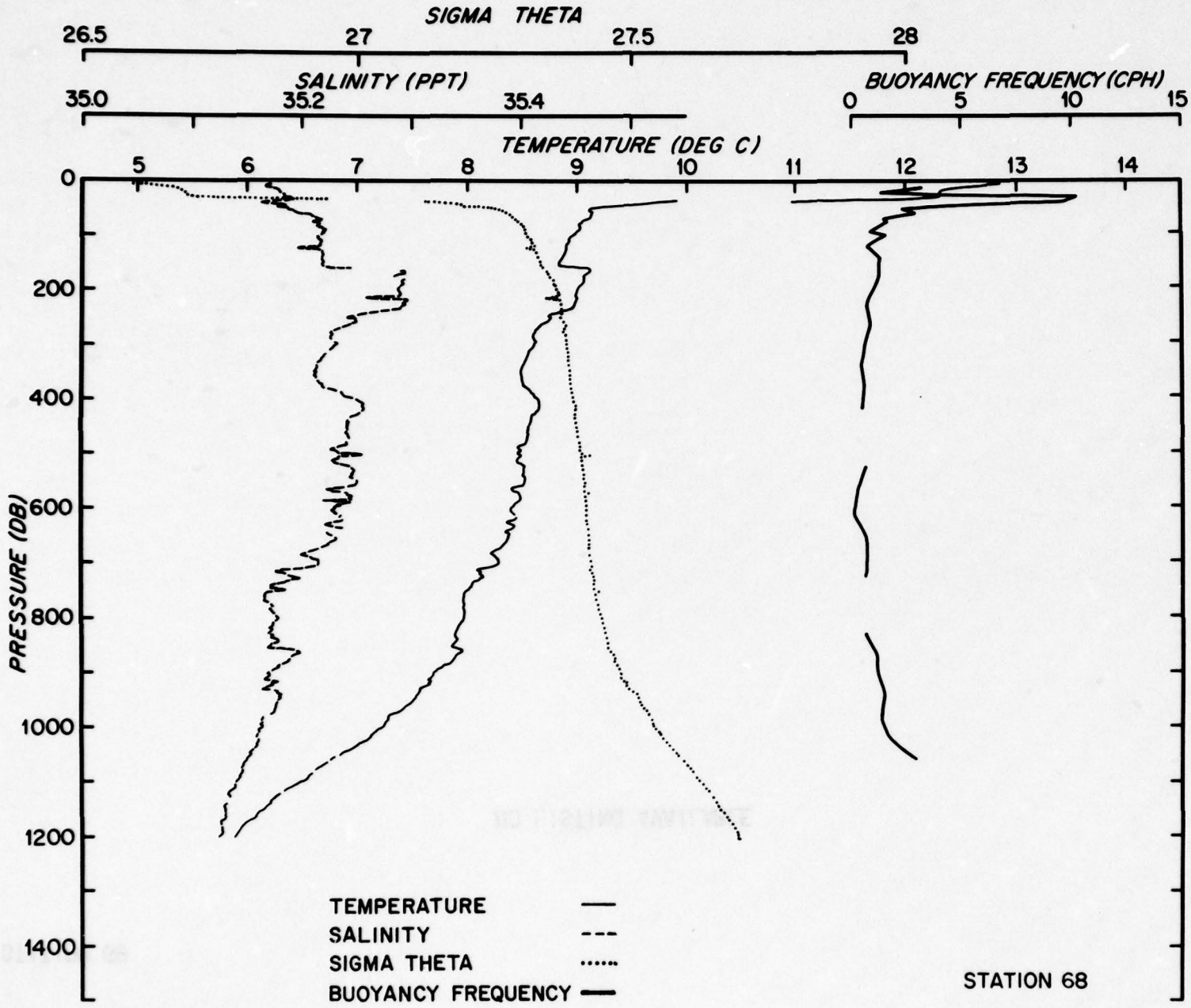
STATION 67

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmhos/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
21.0	12.2516	35.141	40.490	12.349	26.648		
23.0	12.2285	35.148	40.472	12.325	26.655	22.000	3.397
31.8	12.1746	35.157	40.340	12.170	26.695	27.417	3.777
39.5	12.1354	35.162	40.310	12.130	26.706	35.650	2.154
48.2	10.6896	35.148	38.912	10.684	26.965	43.833	9.698
56.3	9.8589	35.209	38.184	9.852	27.158	52.250	5.696
65.0	9.4341	35.209	37.785	9.427	27.229	60.650	5.117
73.4	9.3474	35.221	37.718	9.339	27.253	69.183	3.036
81.3	9.2439	35.232	37.634	9.235	27.279	77.333	3.186
89.4	9.1569	35.229	37.553	9.147	27.291	85.333	2.213
97.7	9.0824	35.231	37.488	9.072	27.305	93.517	2.316
106.3	8.9518	35.219	37.357	8.940	27.316	101.983	2.088
114.2	8.9305	35.220	37.341	8.918	27.320	110.250	1.276
122.8	9.0753	35.244	37.524	9.062	27.332	118.500	2.033
155.4	8.8882	35.249	37.368	8.871	27.350	139.217	1.375
189.5	8.5764	35.203	37.027	8.557	27.364	172.550	1.192
223.2	8.7012	35.248	37.202	8.677	27.379	206.333	1.217
257.3	8.8008	35.270	37.332	8.773	27.381	240.250	.338
291.1	8.6917	35.282	37.227	8.660	27.384	274.217	.661
324.8	8.5942	35.239	37.138	8.560	27.389	307.983	.776
358.8	8.5863	35.246	37.152	8.548	27.395	341.800	.781
393.1	8.5686	35.247	37.152	8.526	27.399	375.950	.675
429.9	8.5473	35.249	37.150	8.501	27.404	411.500	.691
464.1	8.5158	35.247	37.134	8.466	27.408	447.000	.646
497.5	8.5069	35.248	37.142	8.454	27.410	480.817	.521
530.8	8.3454	35.218	36.973	8.289	27.409	514.133	.402
565.4	8.2943	35.210	36.936	8.234	27.413	548.083	.687
599.7	8.3297	35.221	36.995	8.266	27.416	582.550	.555
635.0	8.3099	35.223	36.994	8.242	27.421	617.367	.695
669.4	8.2793	35.218	36.976	8.208	27.422	652.200	.446
704.5	8.2218	35.213	36.933	8.147	27.427	686.917	.770
738.7	8.1448	35.207	36.870	8.066	27.434	721.567	.899
773.5	8.0713	35.200	36.810	7.989	27.439	756.067	.834
807.4	8.0199	35.200	36.777	7.935	27.448	790.433	.943
842.2	7.9327	35.194	36.704	7.844	27.455	824.783	.954
876.8	7.8793	35.194	36.670	7.787	27.464	858.983	.985
910.1	7.7653	35.190	36.574	7.670	27.477	892.950	1.215
944.2	7.6708	35.179	36.398	7.573	27.498	927.150	1.524
979.4	7.3883	35.178	36.240	7.288	27.521	961.917	1.576
1014.5	7.1451	35.163	36.018	7.043	27.547	997.083	1.688
1048.9	7.0108	35.164	35.909	6.906	27.567	1031.73	1.465
1083.2	6.7907	35.153	35.711	6.684	27.589	1066.07	1.631
1117.7	6.4706	35.142	35.420	6.363	27.623	1100.47	1.988
1153.2	6.1160	35.125	35.094	6.008	27.657	1135.45	1.957
1188.3	5.9592	35.116	34.957	5.849	27.670	1170.72	1.265


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 67

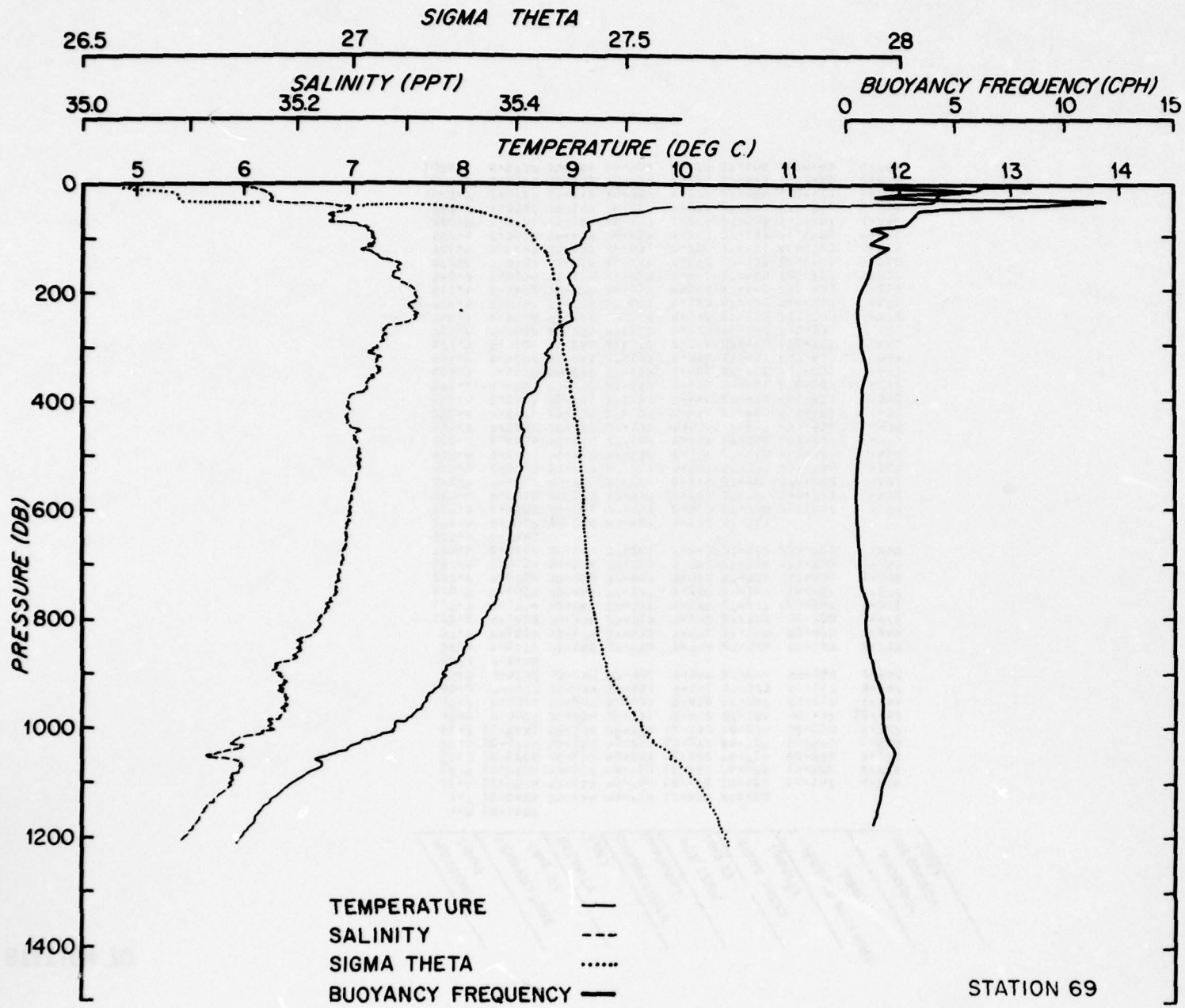
STATION 68

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.6	12.8897						
13.6	12.4531	35.174	40.618	12.451	26.653		
22.9	12.3205	35.181	40.902	12.318	26.685	18.267	3.311
30.3	12.3051	35.183	40.492	12.301	26.689	26.600	1.331
37.9	10.9452	35.180	39.183	10.941	26.944	34.083	10.325
46.2	9.5443	35.186	37.858	9.539	27.193	42.033	3.737
53.5	9.1499	35.190	37.493	9.144	27.261	49.867	5.402
61.2	9.1549	35.207	37.517	9.148	27.274	57.367	2.288
66.5	9.1307	35.221	37.510	9.123	27.289	63.867	2.967
77.4	9.0583	35.216	37.440	9.048	27.297	71.950	1.558
85.6	9.0309	35.220	37.423	9.022	27.304	81.483	1.700
93.4	9.0133	35.221	37.412	9.003	27.308	89.500	1.298
101.2	8.9783	35.216	37.377	8.967	27.310	97.317	.849
108.9	8.9363	35.215	37.338	8.923	27.316	105.083	1.636
117.6	8.9191	35.216	37.329	8.906	27.319	113.250	1.099
126.3	8.9065	35.215	37.320	8.893	27.321	121.917	.761
166.5	9.1269	35.292	37.619	9.109	27.344	146.400	1.369
205.5	9.0033	35.289	37.518	8.981	27.363	186.017	1.263
246.1	8.8002	35.255	37.311	8.774	27.368	225.817	.748
288.8	8.5998	35.227	37.115	8.569	27.378	267.467	.935
324.0	8.5453	35.222	37.075	8.511	27.383	306.383	.720
362.4	8.4928	35.214	37.036	8.454	27.385	343.183	.501
402.1	8.6438	35.251	37.231	8.601	27.390	382.250	.614
440.7	8.5817	35.242	37.181	8.534	27.393	421.417	.576
477.8	8.5438						
514.8	8.4508	35.230	37.079	8.396	27.404		
548.6	8.5233	35.252	37.183	8.464	27.410	531.517	.707
592.3	8.4769	35.243	37.150	8.413	27.410	570.450	.358
635.9	8.4156	35.229	37.099	8.347	27.409	614.100	.220
674.7	8.3119	35.216	37.006	8.240	27.415	655.317	.792
711.5	8.2050	35.203	36.910	8.129	27.421	693.117	.856
747.2	8.0303	35.173	36.735	7.952	27.425	729.350	.787
781.7	7.9788						
817.0	7.9187	35.175	36.662	7.833	27.443		
853.8	7.8619	35.171	36.622	7.773	27.448	835.383	.799
889.9	7.7898	35.179	36.577	7.697	27.465	871.850	1.275
926.3	7.6577	35.175	36.467	7.562	27.482	908.133	1.324
966.1	7.4641	35.177	36.306	7.365	27.512	946.200	1.659
1005.3	7.2163	35.162	36.079	7.115	27.536	985.667	1.545
1043.3	6.9282	35.156	35.823	6.825	27.572	1024.30	1.892
1081.2	6.5521		35.554	6.448	27.677	1062.28	3.089
1163.6	6.0896	35.133	35.082	5.981	27.667	1005.65	.780
1199.6	5.8996	35.127	34.917	5.789	27.686	1181.57	1.487


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 68

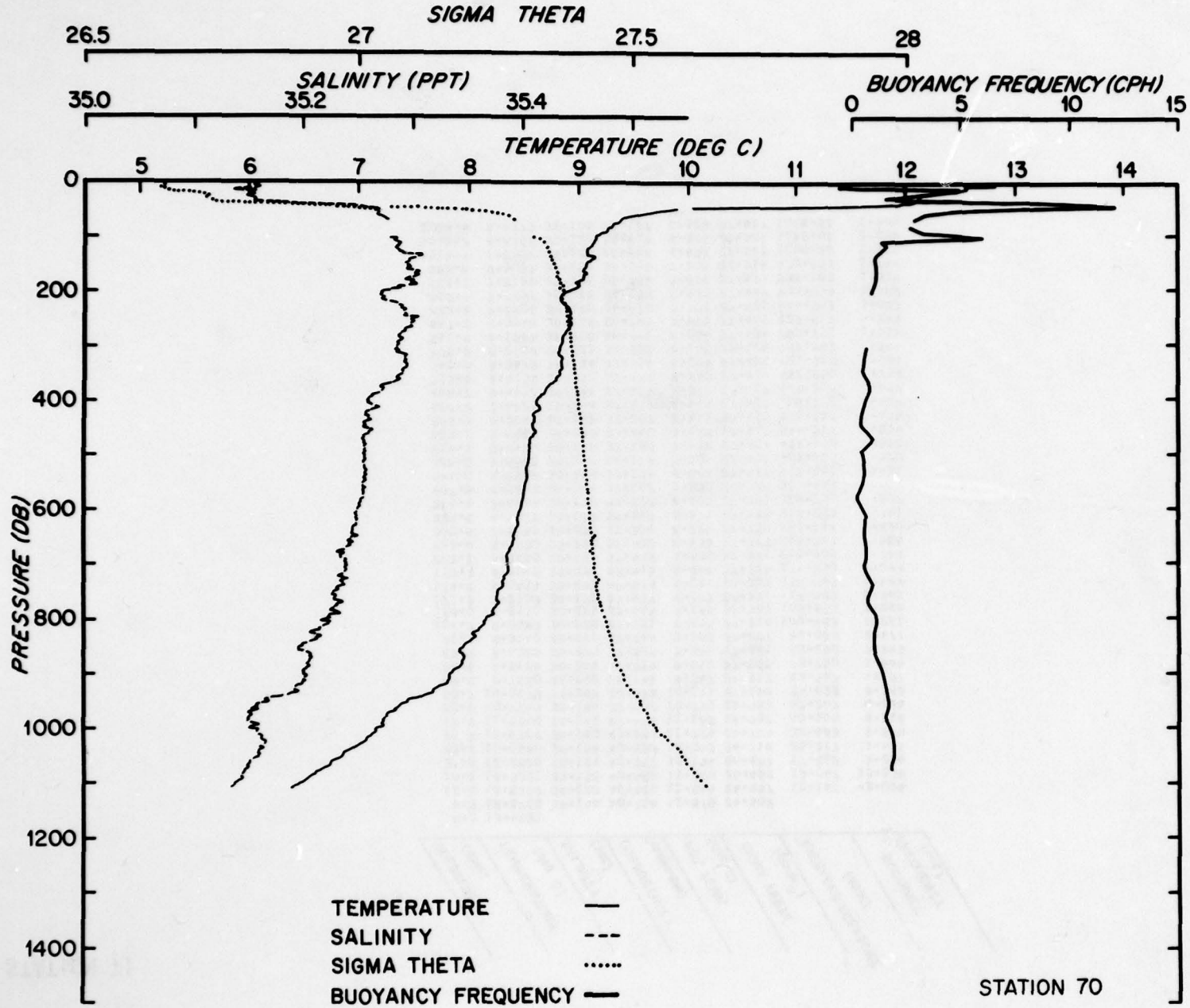
STATION 69

NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C.)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 69

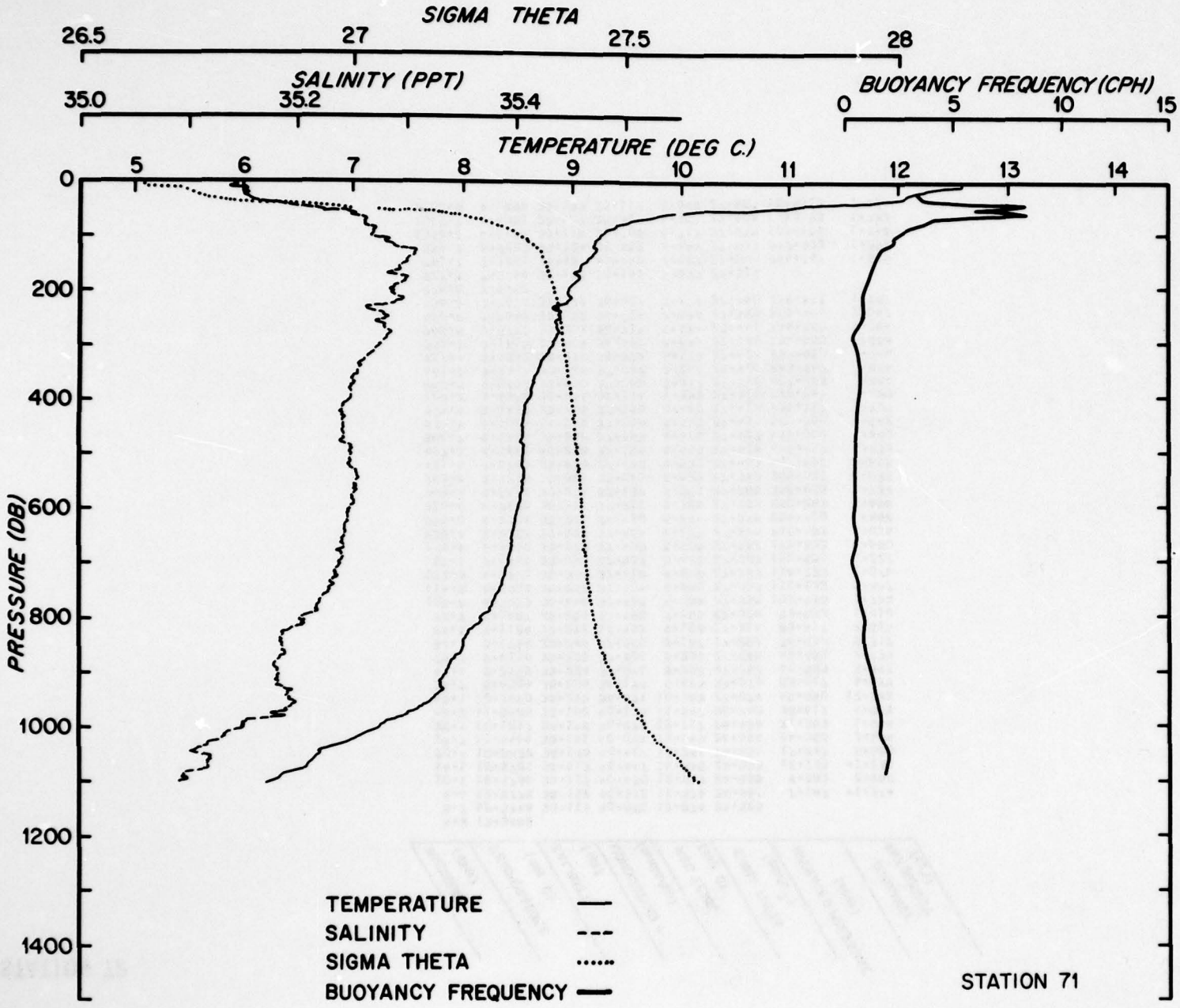
STATION 70

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.5	13.3497						
8.7	12.5695	35.164	40.719	12.568	26.623		
11.6	12.5836	35.159	40.700	12.552	26.622	10.167	.744
18.9	12.2559	35.157	40.412	12.253	26.679	15.250	4.978
26.8	12.1252	35.156	40.289	12.122	26.704	22.833	3.193
34.3	12.0966	35.156	40.264	12.092	26.709	30.550	1.508
41.7	11.5481	35.182	39.766	11.543	26.834	38.000	7.327
49.2	9.9074	35.255	38.271	9.902	27.185	45.467	12.153
57.2	9.6084	35.269	38.004	9.602	27.247	53.217	4.966
65.0	9.4479	35.268	37.854	9.441	27.273	61.117	3.267
73.5	9.3749	35.280	37.800	9.367	27.294	69.283	2.852
81.3	9.3145						
89.3	9.2679	35.162	37.593	9.258	27.220	85.333	2.705
97.5	9.1814	35.179	37.532	9.171	27.248	93.433	3.289
105.1	9.1633	35.284	37.619	9.152	27.333	101.300	5.975
112.7	9.1374	35.284	37.597	9.125	27.337	108.867	1.322
120.9	9.1013	35.284	37.567	9.088	27.343	116.767	1.579
153.6	9.0764	35.293	37.567	9.060	27.354	137.250	1.058
187.0	9.0109	35.295	37.522	8.990	27.366	170.300	1.098
220.5	8.8668	35.274	37.381	8.843	27.373	203.750	.865
255.3	8.9443						
291.0	8.8649	35.288	37.424	8.833	27.384		
325.9	8.8553	35.291	37.434	8.820	27.388	308.467	.654
359.6	8.8062	35.283	37.395	8.767	27.390	342.783	.482
392.9	8.6603	35.261	37.252	8.618	27.396	376.283	.881
426.6	8.6023	35.253	37.205	8.556	27.399	409.750	.606
459.5	8.6163	35.258	37.237	8.567	27.400	443.050	.404
482.9	8.5664	35.255	37.198	8.514	27.406	471.217	.978
500.2	8.5592	35.255	37.198	8.505	27.407	491.550	.435
530.8	8.5434	35.255	37.197	8.486	27.410	515.483	.605
561.0	8.5244	35.254	37.192	8.464	27.412	545.883	.540
591.1	8.4939	35.247	37.170	8.430	27.411	576.050	.243
623.3	8.4678	35.247	37.159	8.401	27.415	607.200	.683
656.0	8.4253	35.241	37.128	8.355	27.417	639.633	.544
687.5	8.3601	35.231	37.072	8.286	27.420	671.717	.651
718.6	8.3552	35.233	37.083	8.278	27.422	703.033	.560
748.9	8.2778	35.227	37.018	8.198	27.429	733.750	.972
779.8	8.2468	35.226	37.001	8.163	27.433	764.333	.695
811.1	8.1492	35.220	36.917	8.063	27.443	795.433	1.113
840.8	8.0298	35.205	36.805	7.941	27.450	825.933	1.009
872.2	7.9723	35.205	36.764	7.880	27.458	856.467	.998
901.8	7.8449	35.197	36.651	7.750	27.471	886.983	1.316
932.1	7.7038	35.193	36.529	7.607	27.489	916.950	1.481
962.8	7.3721	35.155	36.199	7.274	27.508	947.467	1.656
993.8	7.2527	35.158	36.104	7.152	27.527	978.300	1.509
1023.7	7.0789	35.162	35.959	6.976	27.555	1008.72	1.839
1054.8	6.8278	35.153	35.733	6.724	27.583	1039.22	1.872
1086.1	6.5797	35.141	35.506	6.475	27.608	1070.43	1.761


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 70

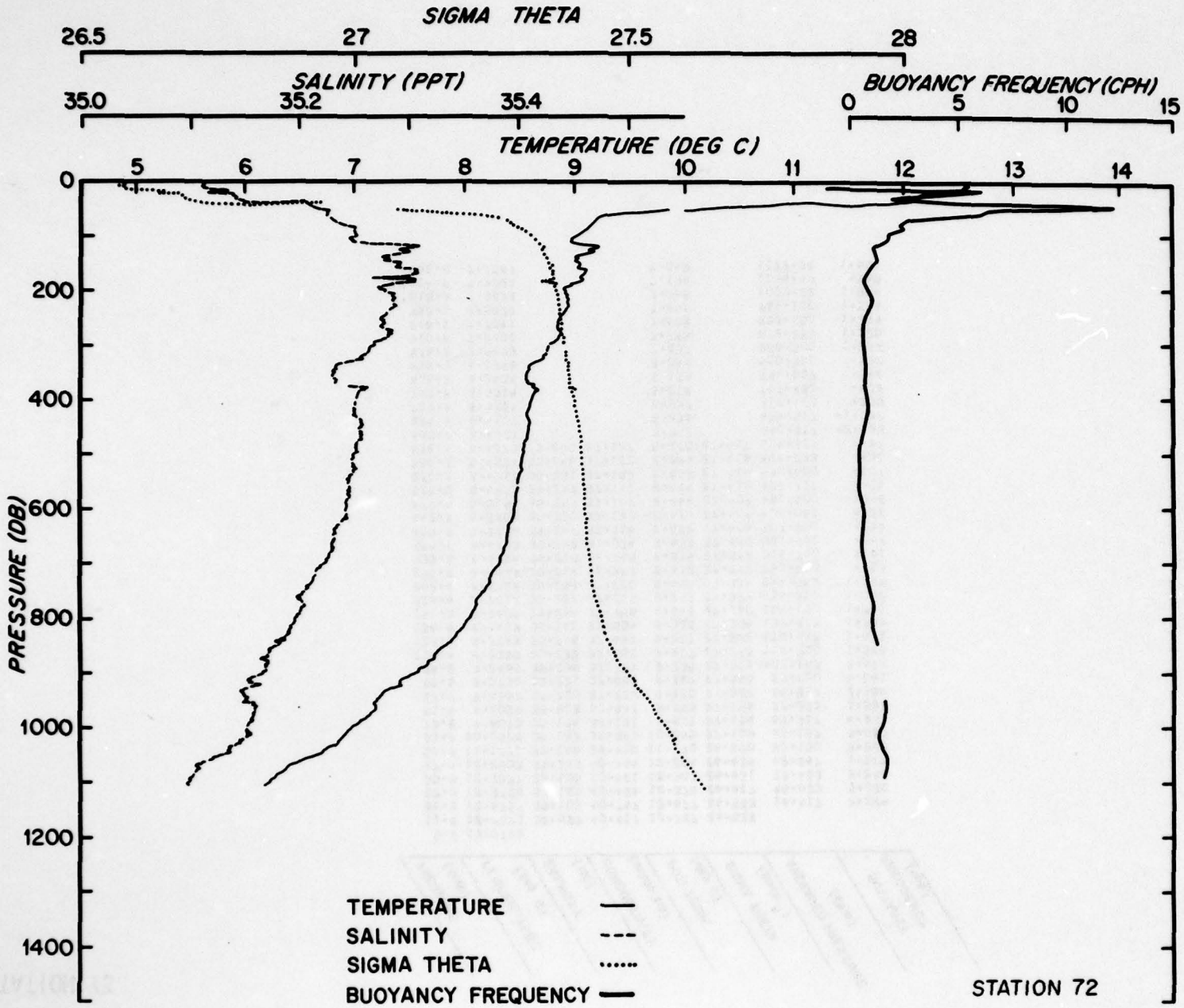
STATION 71

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m**3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.1	13.4521						
8.3	12.5762	35.146	40.706	12.575	26.607		
12.0	12.5657	35.129	40.680	12.564	26.597	10.167	3.035
14.1	12.3320	35.155	40.482	12.330	26.662	13.067	10.039
21.5	12.2010	35.154	40.357	12.198	26.687	17.817	3.256
29.1	12.0666	35.156	40.233	12.063	26.715	25.317	3.409
36.3	11.9305	35.160	40.109	11.926	26.744	32.683	3.590
43.9	11.1940	35.192	39.436	11.189	26.907	40.100	5.218
50.6	10.7958	35.196	39.062	10.790	26.983	47.267	6.025
58.7	10.0179	35.249	38.378	10.011	27.162	54.633	8.383
68.9	9.7550	35.262	38.142	9.747	27.217	63.767	4.157
78.6	9.5188	35.264	37.924	9.510	27.258	73.750	3.634
87.9	9.4085	35.270	37.829	9.399	27.281	83.250	2.843
96.3	9.3140	35.270	37.744	9.303	27.297	92.083	2.477
104.7	9.2599	35.275	37.701	9.248	27.310	100.483	2.221
113.0	9.2110	35.281	37.665	9.199	27.323	108.850	2.216
121.9	9.2109	35.292	37.679	9.197	27.331	117.483	1.701
156.8	9.0814	35.293	37.573	9.064	27.353	139.367	1.429
192.3	9.0049	35.291	37.515	8.984	27.364	174.533	1.044
228.1	8.9250	35.284	37.449	8.900	27.371	210.200	.843
263.8	8.8633	35.280	37.403	8.835	27.379	245.967	.856
300.6	8.8284	35.278	37.382	8.796	27.380	282.217	.430
335.8	8.7077	35.257	37.267	8.671	27.385	318.233	.761
371.6	8.6483	35.253	37.223	8.608	27.391	353.700	.807
407.6	8.5823	35.244	37.169	8.539	27.395	389.583	.663
444.0	8.5508	35.243	37.154	8.503	27.399	425.800	.631
480.5	8.5552	35.247	37.179	8.504	27.401	462.250	.590
516.3	8.5479	35.249	37.190	8.492	27.404	498.400	.562
552.2	8.5488	35.253	37.210	8.489	27.407	534.267	.556
589.5	8.5242	35.252	37.203	8.461	27.410	570.867	.608
627.9	8.4821	35.246	37.174	8.414	27.412	608.700	.488
666.7	8.4442	35.244	37.154	8.372	27.417	647.300	.699
703.8	8.4159	35.240	37.139	8.340	27.417	685.250	.383
740.0	8.3673	35.234	37.104	8.288	27.421	721.917	.638
775.9	8.2728	35.221	37.018	8.190	27.425	757.983	.744
811.9	8.1525	35.208	36.910	8.066	27.434	793.900	1.015
847.2	8.0048	35.189	36.769	7.915	27.441	829.517	.973
882.8	7.8908	35.180	36.670	7.798	27.451	864.983	1.083
917.7	7.7937	35.185	36.599	7.698	27.469	900.233	1.382
952.7	7.7158	35.201	36.556	7.616	27.493	935.183	1.535
988.4	7.3057	35.156	36.149	7.205	27.518	970.533	1.744
1024.1	6.9899	35.130	35.848	6.888	27.543	1006.23	1.681
1061.2	6.6257	35.120	35.519	6.523	27.585	1042.65	2.096
1096.8	6.2772	35.101	35.197	6.174	27.617	1078.98	1.908


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C.)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 71

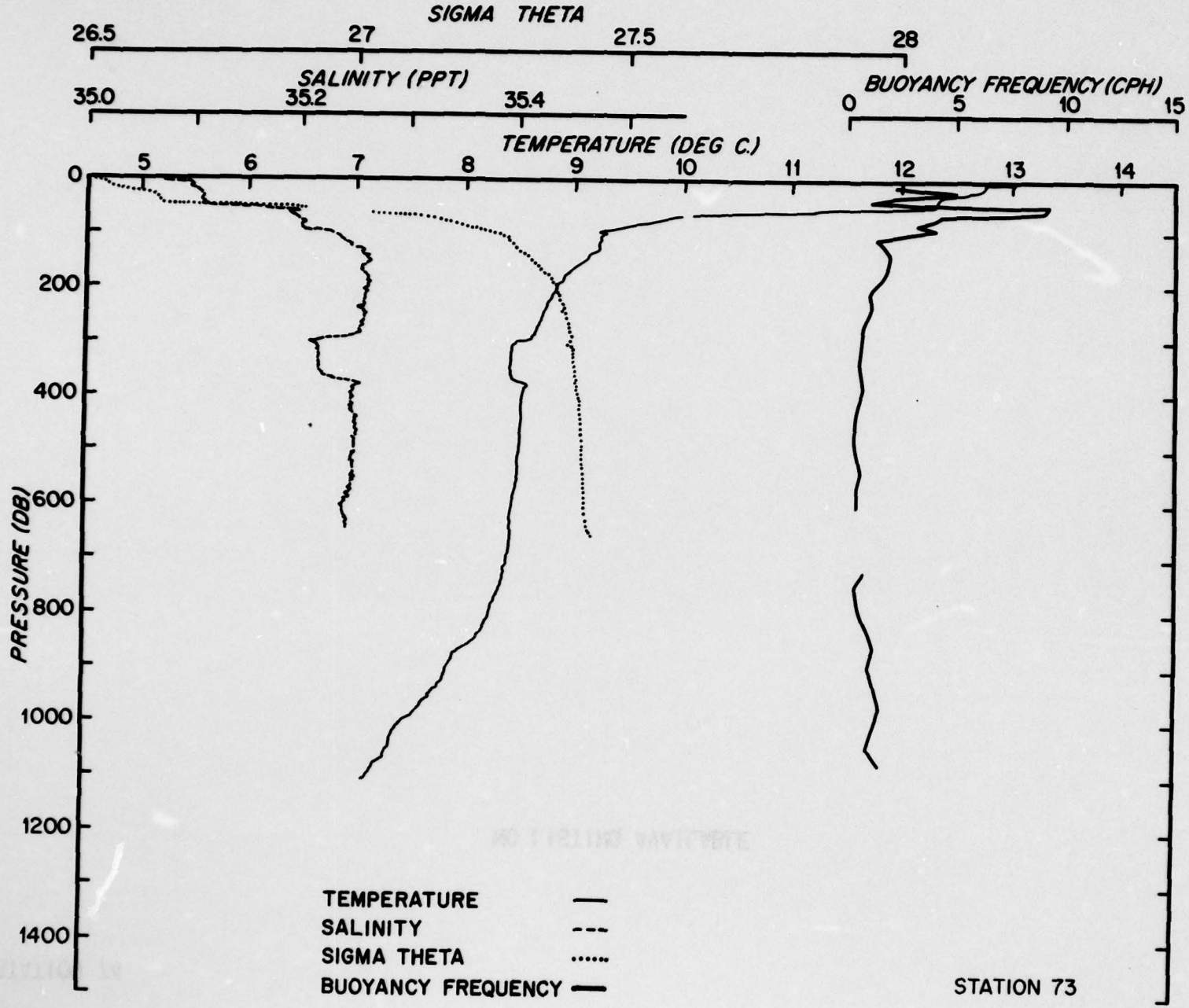
STATION 72

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.3	13.3882						
5.7	12.5746	35.116	40.672	12.574	26.585		
8.6	12.5772	35.112	40.672	12.576	26.581	7.167	*1.974
10.1	12.5706	35.115	40.670	12.569	26.585	9.383	2.968
14.1	12.5701	35.113	40.669	12.568	26.583	12.133	*1.130
20.4	12.2832	35.135	40.617	12.281	26.656	17.267	6.080
27.7	12.1466	35.141	40.294	12.143	26.688	24.050	3.694
38.1	12.1217	35.145	40.278	12.117	26.696	31.383	1.884
42.2	11.9525	35.162	40.135	11.947	26.742	38.617	4.539
49.1	10.3690	35.215	38.671	10.363	27.074	45.650	12.292
56.9	9.8304	35.226	38.174	9.824	27.176	53.017	6.479
65.1	9.2955	35.228	37.671	9.288	27.267	60.983	5.947
72.7	9.2110	35.233	37.600	9.203	27.285	68.883	2.734
81.1	9.1758	35.243	37.580	9.167	27.299	76.883	2.319
89.8	9.1124	35.252	37.533	9.103	27.316	85.417	2.516
97.9	9.0657	35.253	37.493	9.055	27.324	93.833	1.810
105.8	8.9973	35.248	37.428	8.986	27.332	101.850	1.795
114.5	8.9928	35.257	37.436	8.980	27.339	110.133	1.647
123.0	9.2320	35.311	37.718	9.218	27.343	118.733	1.076
158.1	9.0448	35.292	37.538	9.028	27.358	140.550	1.227
195.6	8.9263	35.273	37.425	8.905	27.362	176.833	.660
235.4	8.9229	35.288	37.454	8.897	27.375	215.483	1.016
274.0	8.8734	35.284	37.420	8.844	27.379	254.700	.682
310.6	8.7590	35.265	37.311	8.725	27.383	292.283	.656
346.3	8.5878	35.236	37.139	8.551	27.388	328.433	.757
383.8	8.6736	35.261	37.260	8.632	27.393	365.033	.695
431.6	8.5763	35.253	37.183	8.530	27.403	407.667	.868
467.3	8.5681	35.258	37.195	8.518	27.408	449.417	.695
502.7	8.5298	35.252	37.169	8.476	27.409	488.000	.660
537.9	8.5028	35.248	37.156	8.445	27.411	520.300	.482
574.4	8.4819	35.245	37.150	8.420	27.412	556.117	.405
609.8	8.4588	35.246	37.144	8.393	27.416	592.067	.663
645.8	8.3867	35.235	37.082	8.317	27.418	627.783	.625
681.9	8.3414	35.228	37.049	8.268	27.420	663.867	.524
717.4	8.2545	35.217	36.972	8.178	27.424	699.650	.745
751.7	8.1614	35.206	36.890	8.081	27.431	734.550	.868
786.0	8.0777	35.203	36.824	7.994	27.441	768.850	1.064
820.8	7.9643	35.193	36.724	7.878	27.450	803.400	1.047
854.8	7.7672	35.176	36.537	7.678	27.465	838.817	1.277
876.2	7.5852						
927.8	7.3266	35.155	36.141	7.233	27.514		
961.7	7.1941	35.163	36.040	7.097	27.540	944.767	1.626
996.9	6.9823	35.154	35.852	6.883	27.563	979.333	1.598
1032.2	6.8186	35.146	35.708	6.717	27.579	1014.55	1.348
1067.7	6.4091	35.107	35.311	6.307	27.604	1049.95	1.783
1102.5	6.1856	35.099	35.113	6.082	27.627	1085.13	1.624


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 72

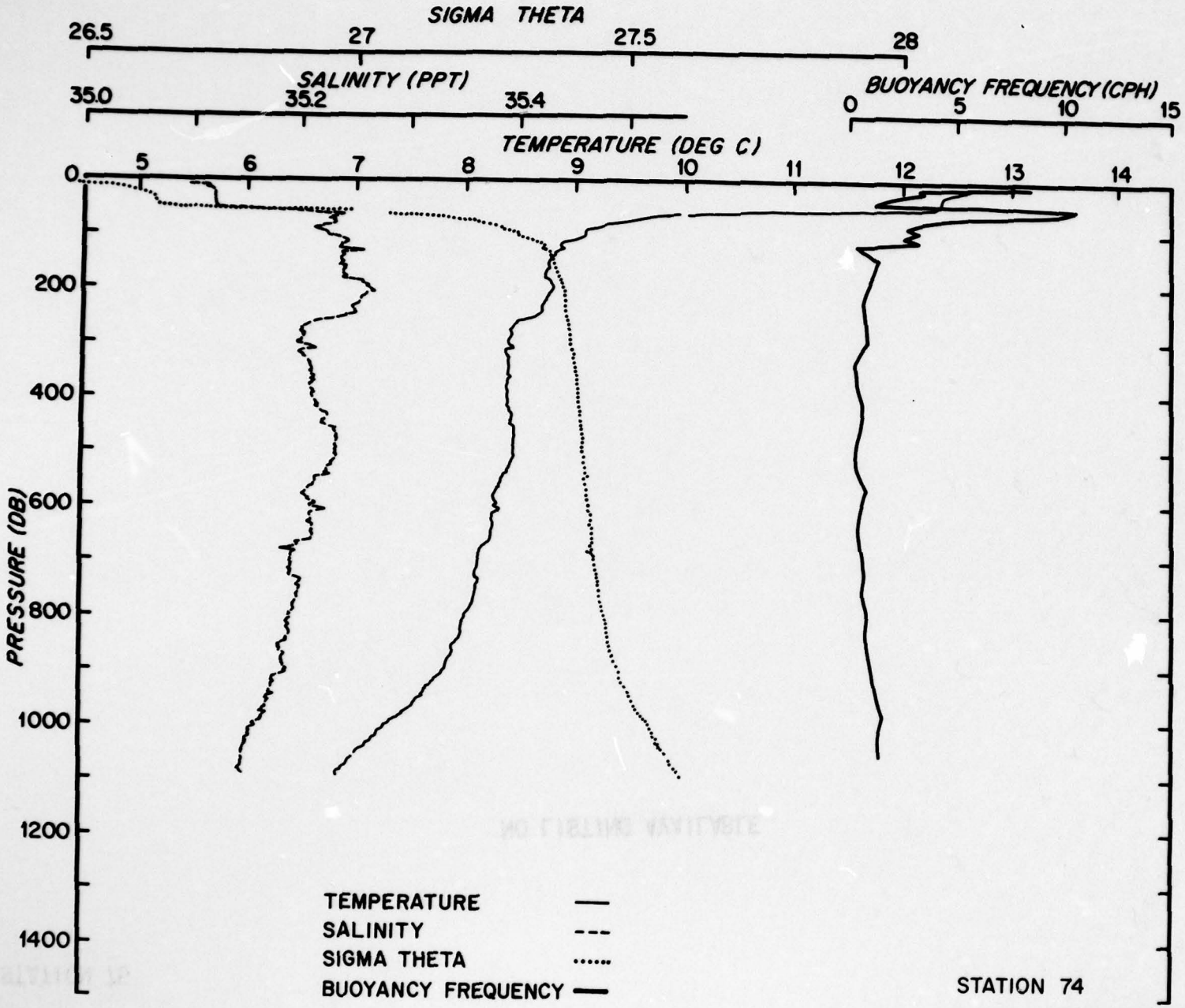
STATION 73

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m**3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
5.9	13.2752						
11.8	12.7390	35.099	40.817	12.737	26.539		
21.0	12.6797	35.102	40.767	12.677	26.553	16.417	2.224
29.0	12.3796	35.108	40.486	12.376	26.617	25.033	5.030
38.3	12.3077	35.108	40.421	12.303	26.631	33.683	2.243
47.4	12.2903	35.109	40.409	12.284	26.635	42.867	1.174
56.9	11.1771	35.166	39.400	11.170	26.890	52.150	9.230
65.4	10.0528	35.189	38.353	10.045	27.109	61.167	9.030
73.2	9.8090	35.196	38.131	9.801	27.156	69.317	4.392
81.4	9.6039	35.203	37.947	9.595	27.196	77.283	3.967
89.7	9.4353	35.200	37.788	9.425	27.222	85.517	3.154
98.1	9.2730	35.221	37.659	9.262	27.266	93.900	4.061
106.2	9.2469	35.235	37.651	9.235	27.281	102.183	2.447
114.4	9.2399	35.239	37.652	9.227	27.285	110.300	1.388
123.0	9.2249	35.245	37.648	9.211	27.292	118.667	1.631
156.9	9.0419	35.260	37.504	9.025	27.334	139.917	1.989
191.3	8.8659	35.264	37.358	8.845	27.365	174.100	1.741
226.6	8.7617	35.257	37.269	8.737	27.377	208.950	1.092
262.6	8.6928	35.258	37.221	8.665	27.388	244.583	1.045
297.8	8.4649	35.217	36.983	8.433	27.392	280.200	.713
333.6	8.4294	35.215	36.965	8.394	27.396	315.700	.681
370.1	8.4723	35.228	37.034	8.433	27.400	351.850	.582
405.8	8.5256	35.247	37.118	8.482	27.406	387.950	.756
442.4	8.5258	35.250	37.137	8.478	27.409	424.083	.512
478.4	8.5154	35.249	37.142	8.464	27.409	460.400	.348
515.0	8.4992	35.247	37.141	8.444	27.410	496.717	.416
550.2	8.4917	35.251	37.153	8.433	27.414	532.600	.657
586.3	8.4574	35.246	37.132	8.394	27.416	568.233	.453
622.4	8.4373	35.243	37.127	8.370	27.417	604.317	.457
658.7	8.4333			8.362		640.517	*2.153
694.4	8.4105			8.336		676.517	*1.082
729.8	8.3754			8.297		712.100	.905
765.9	8.3014			8.219		747.850	.408
802.3	8.2436			8.158		784.067	.542
838.3	8.1376			8.048		820.300	.939
874.3	7.9293			7.837		856.300	1.283
910.2	7.8502			7.755		892.250	1.025
946.1	7.7011			7.603		928.150	1.348
982.1	7.5577			7.456		964.100	1.544
1018.3	7.3693			7.265		1000.22	1.294
1054.5	7.3028			7.196		1036.42	.963
1090.2	7.1587			7.049		1072.38	1.604


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C.)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 73

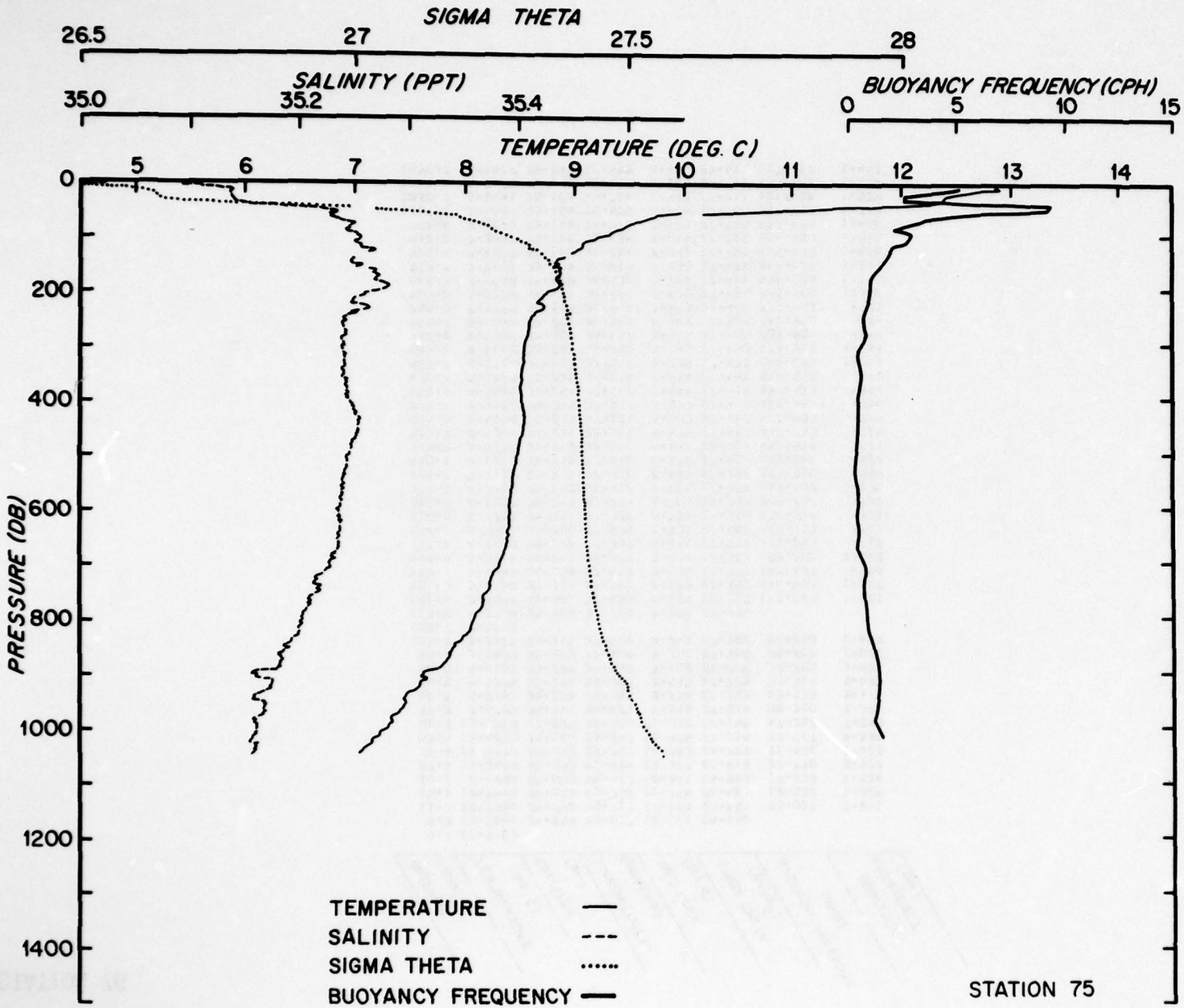
STATION 74

NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 74

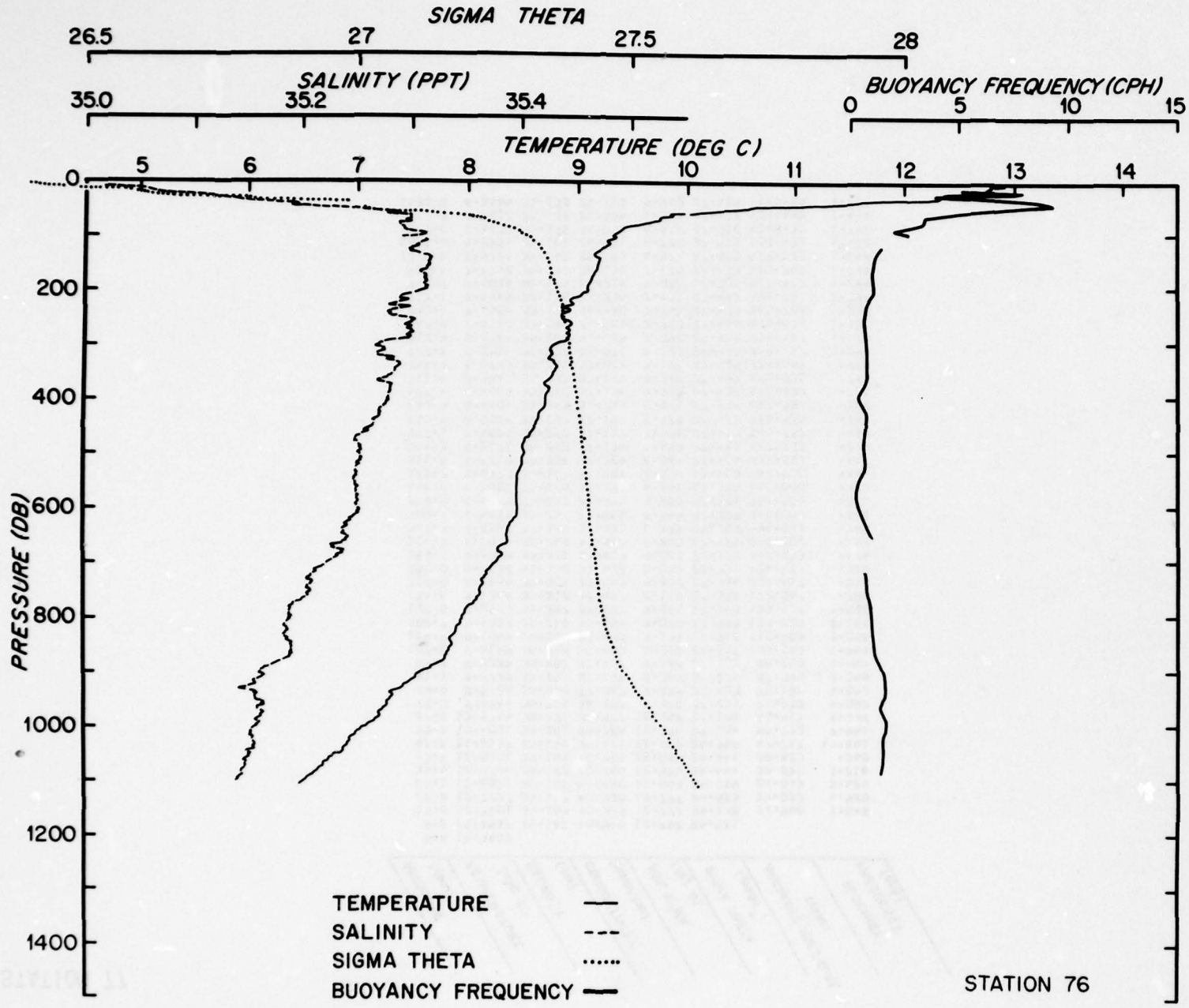
STATION 75

NO LISTING AVAILABLE


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG. C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 75

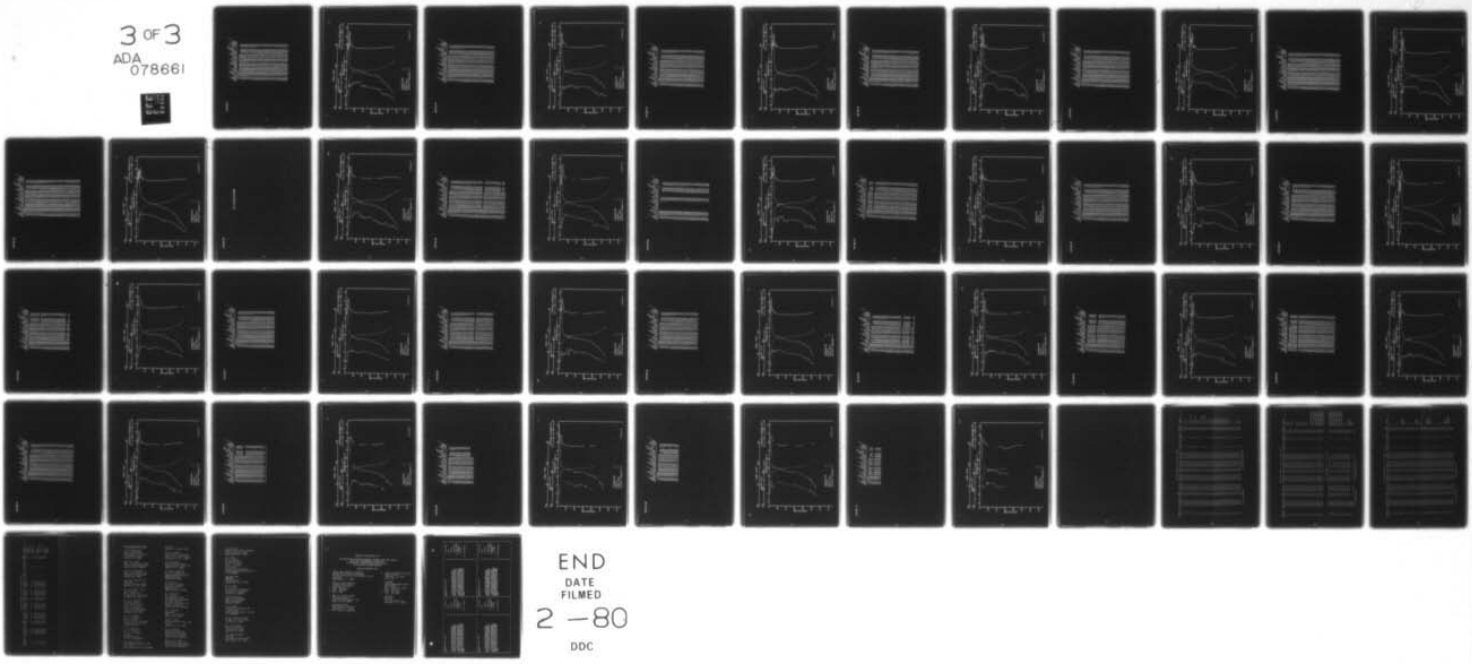
STATION 76

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmhos/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.7	13.7357						
8.3	12.7620	34.954	40.687	12.761	26.422		
11.7	12.7551	34.990	40.719	12.754	26.451	10.017	5.261
15.1	12.7565	35.028	40.762	12.754	26.481	13.383	5.255
20.2	12.3634	35.060	40.417	12.361	26.583	17.633	7.938
27.5	12.3302	35.097	40.426	12.327	26.618	23.850	3.909
35.6	11.5676	35.143	39.741	11.563	26.799	31.550	8.420
43.4	10.5830	35.188	38.847	10.578	27.015	39.517	9.339
51.3	10.0259	35.229	38.360	10.020	27.145	47.367	7.240
59.3	9.8729	35.284	38.271	9.866	27.214	55.300	5.224
66.8	9.7639	35.296	38.183	9.756	27.242	63.033	3.478
74.9	9.5775	35.294	38.007	9.569	27.272	70.817	3.439
82.5	9.4109	35.288	37.846	9.402	27.295	78.700	3.091
90.3	9.3599	35.290	37.804	9.350	27.305	86.400	2.070
98.2	9.3527	35.311	37.820	9.342	27.322	94.233	2.639
105.7	9.2735						
113.8	9.2709	35.308	37.747	9.258	27.334		
121.4	9.2077	35.301	37.685	9.194	27.339	117.567	1.491
151.9	9.1868	35.314	37.691	9.170	27.352	136.650	1.207
183.4	9.1049	35.309	37.622	9.085	27.362	167.683	.998
215.0	8.9315	35.287	37.452	8.908	27.379	199.200	1.122
247.2	8.8673	35.279	37.399	8.841	27.377	231.083	.719
278.7	8.9373	35.300	37.498	8.907	27.382	262.933	.701
310.0	8.7715	35.271	37.328	8.738	27.386	294.317	.731
341.8	8.8018	35.284	37.384	8.765	27.392	325.867	.792
373.9	8.7414	35.280	37.337	8.701	27.398	357.833	.835
405.7	8.7129	35.275	37.320	8.669	27.398	389.800	.389
440.8	8.6223	35.264	37.240	8.575	27.404	423.267	.827
472.2	8.5178	35.248	37.140	8.467	27.408	456.517	.721
503.3	8.5036	35.251	37.144	8.450	27.412	487.733	.716
534.6	8.4667	35.249	37.121	8.409	27.417	518.933	.745
566.4	8.4583	35.248	37.127	8.397	27.418	550.483	.368
598.4	8.4581	35.249	37.142	8.394	27.418	582.383	.382
630.6	8.3838	35.238	37.076	8.316	27.421	614.517	.671
662.7	8.3100	35.237	37.019	8.239	27.432	646.650	1.091
694.0	8.2652	35.226	36.980	8.191	27.430	678.317	.264
725.2	8.1399	35.205	36.857	8.063	27.433	709.600	.743
756.7	8.1094	35.205	36.843	8.029	27.438	740.950	.786
788.2	7.9759	35.188	36.716	7.893	27.445	772.433	.991
819.2	7.9078	35.186	36.664	7.822	27.454	803.683	1.032
848.9	7.8548	35.189	36.630	7.766	27.464	834.033	1.110
879.9	7.7217	35.178	36.510	7.630	27.475	864.417	1.212
910.9	7.4837	35.160	36.284	7.391	27.495	895.433	1.616
942.0	7.3097	35.158	36.134	7.214	27.519	926.450	1.671
972.8	7.2225	35.164	36.073	7.125	27.536	957.400	1.426
1002.6	7.0057	35.154	35.876	6.908	27.560	987.717	1.733
1032.2	6.8941	35.158	35.789	6.792	27.578	1017.38	1.509
1061.6	6.7193	35.150	35.633	6.616	27.596	1046.88	1.558
1090.7	6.5607	35.143	35.492	6.455	27.612	1076.17	1.482

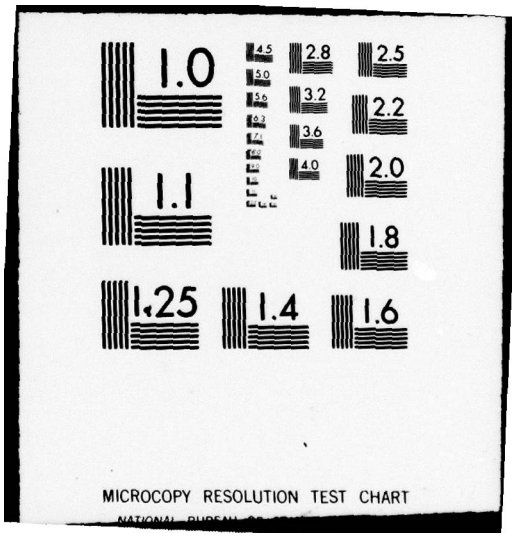

SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 76

AD-A078 661 WOODS HOLE OCEANOGRAPHIC INSTITUTION MASS F/G 8/10
ATLANTIS-II (CRUISE 102) PRELIMINARY CTD DATA FROM JASIN 1978.(U)
DEC 79 N PENNINGTON , M G BRISCOE N00014-76-C-0197
UNCLASSIFIED WHOI-79-42 NL

3 OF 3
ADA 078661

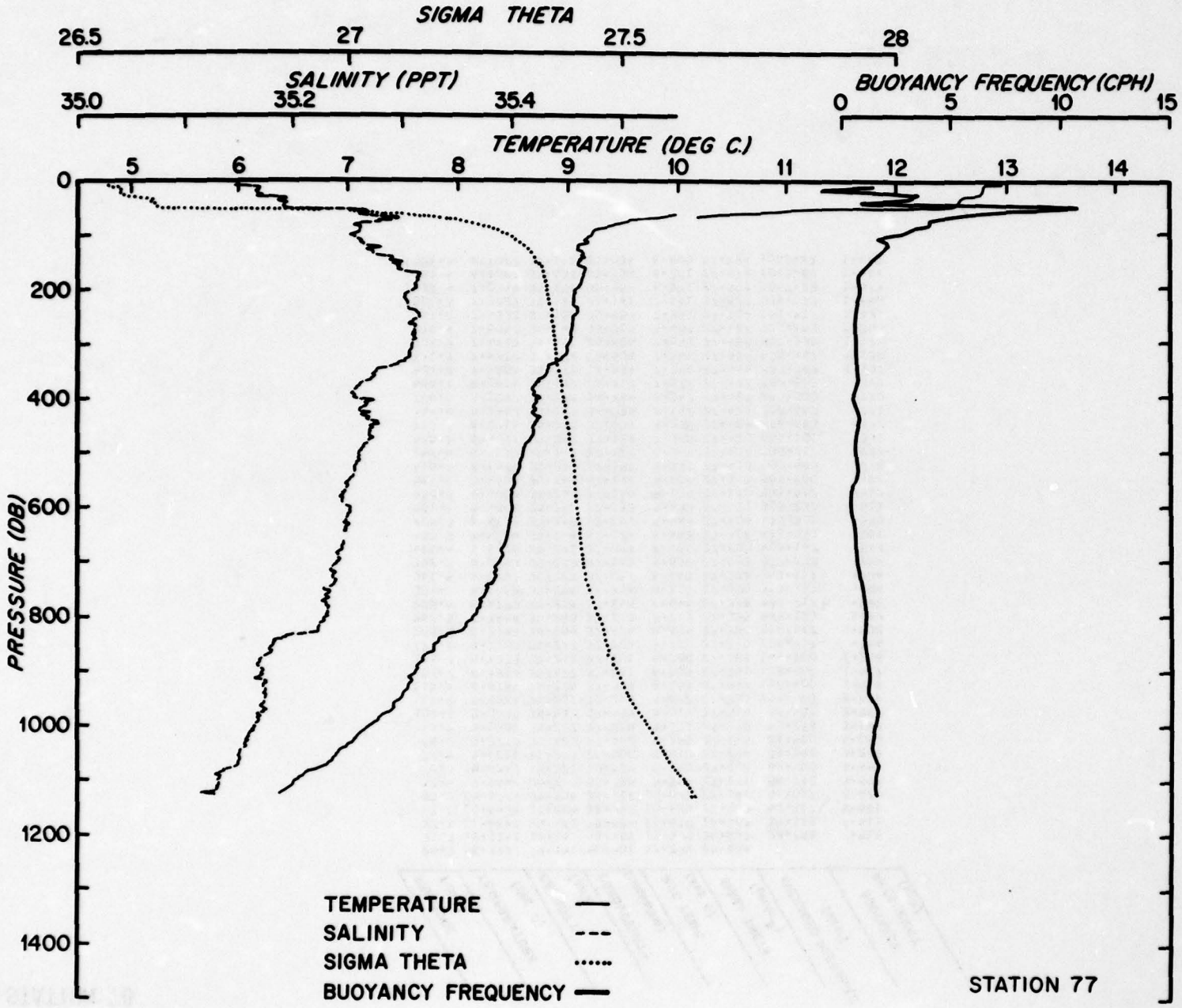


END
DATE FILMED
2 -80
DDC


1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6
6.3
MICROCOPY RESOLUTION TEST CHART

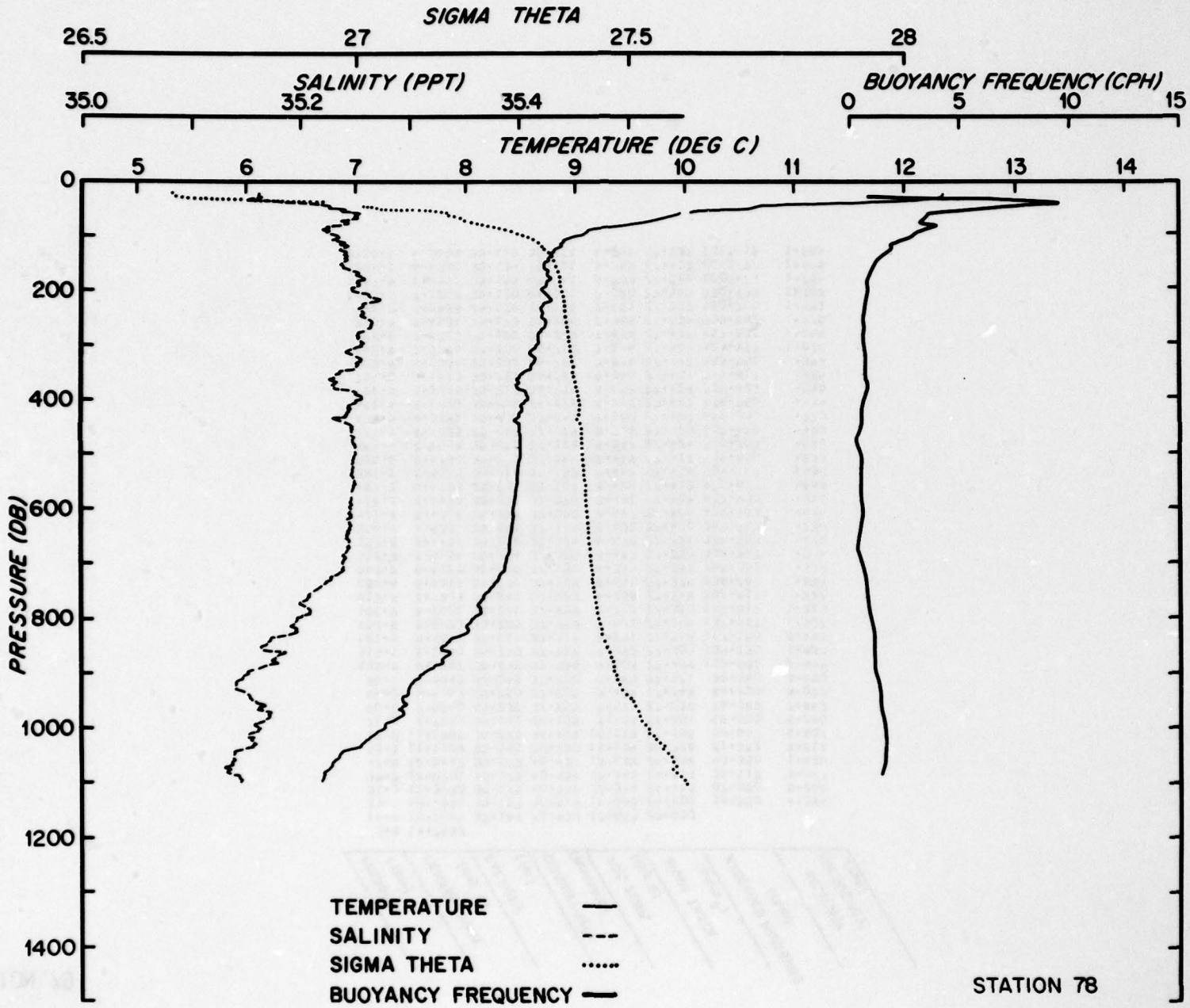
STATION 77

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/cm³)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
5.8	14.3429						
9.2	12.7937	35.167	40.940	12.792	26.581		
14.6	12.7791	35.169	40.929	12.777	26.585	11.900	1.569
19.6	12.7797	35.167	40.930	12.777	26.583	17.083	.920
28.1	12.6571	35.181	40.830	12.653	26.619	23.833	3.626
36.0	12.5746	35.193	40.766	12.570	26.644	32.033	3.216
43.7	12.5601	35.192	40.754	12.554	26.646	39.833	.980
51.8	11.2589	35.260	39.571	11.252	26.948	47.767	10.851
59.6	10.4031	35.261	38.754	10.396	27.104	55.733	7.955
67.2	10.1764	35.297	38.577	10.168	27.172	63.417	5.339
75.3	9.8384	35.276	38.237	9.830	27.213	71.233	4.069
83.0	9.5429	35.262	37.947	9.534	27.253	79.150	4.040
91.1	9.3789	35.261	37.794	9.369	27.279	87.050	3.245
99.3	9.2339	35.257	37.657	9.223	27.300	95.200	2.864
107.0	9.2199	35.264	37.653	9.208	27.307	103.183	1.748
114.9	9.1669	35.266	37.609	9.154	27.318	110.983	2.055
122.7	9.1089	35.268	37.559	9.095	27.329	118.833	2.151
155.5	9.0979	35.297	37.591	9.081	27.353	139.100	1.552
196.5	9.1368	35.312	37.657	9.116	27.359	170.967	.790
218.8	9.0564	35.305	37.589	9.032	27.366	202.617	.910
251.0	9.0599	35.312	37.613	9.032	27.371	234.867	.722
283.1	9.0339	35.311	37.603	9.003	27.375	267.033	.675
314.9	8.9949	35.309	37.578	8.960	27.379	299.000	.717
347.7	8.8129	35.276	37.390	8.775	27.383	331.283	.749
380.5	8.6851	35.257	37.266	8.644	27.389	364.100	.826
413.4	8.6949	35.263	37.295	8.650	27.391	396.950	.550
446.6	8.7098	35.275	37.336	8.661	27.399	430.000	.875
479.2	8.6477	35.267	37.284	8.596	27.403	462.900	.684
511.5	8.5819	35.258	37.228	8.527	27.406	495.333	.669
544.4	8.5171	35.252	37.176	8.458	27.411	527.933	.803
577.1	8.4884	35.248	37.159	8.426	27.413	560.750	.469
610.8	8.5014	35.253	37.191	8.435	27.415	593.950	.485
643.9	8.4601	35.249	37.163	8.391	27.418	627.333	.657
677.4	8.4008	35.242	37.116	8.328	27.422	660.633	.705
711.0	8.3547	35.239	37.085	8.278	27.427	694.200	.761
745.1	8.2773	35.235	37.023	8.197	27.435	728.067	.980
779.1	8.2064	35.235	36.971	8.123	27.446	762.117	1.098
813.8	8.0784	35.226	36.858	7.992	27.459	796.467	1.173
847.2	7.8118	35.184	36.584	7.723	27.466	830.483	1.101
880.4	7.6558	35.170	36.440	7.565	27.478	863.783	1.212
913.1	7.5862	35.176	36.396	7.492	27.493	896.750	1.294
946.7	7.4834	35.175	36.314	7.386	27.508	929.883	1.264
980.1	7.2742	35.171	36.130	7.175	27.535	963.367	1.736
1014.0	7.0786	35.162	35.955	6.977	27.555	997.033	1.549
1046.6	6.8951	35.152	35.791	6.792	27.573	1030.32	1.482
1080.0	6.6172	35.135	35.533	6.512	27.598	1063.30	1.740
1112.9	6.4212	35.132	35.364	6.315	27.622	1096.45	1.676
1120.8	6.3666	35.130	35.315	6.260	27.628	1116.85	1.707


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C.)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 77

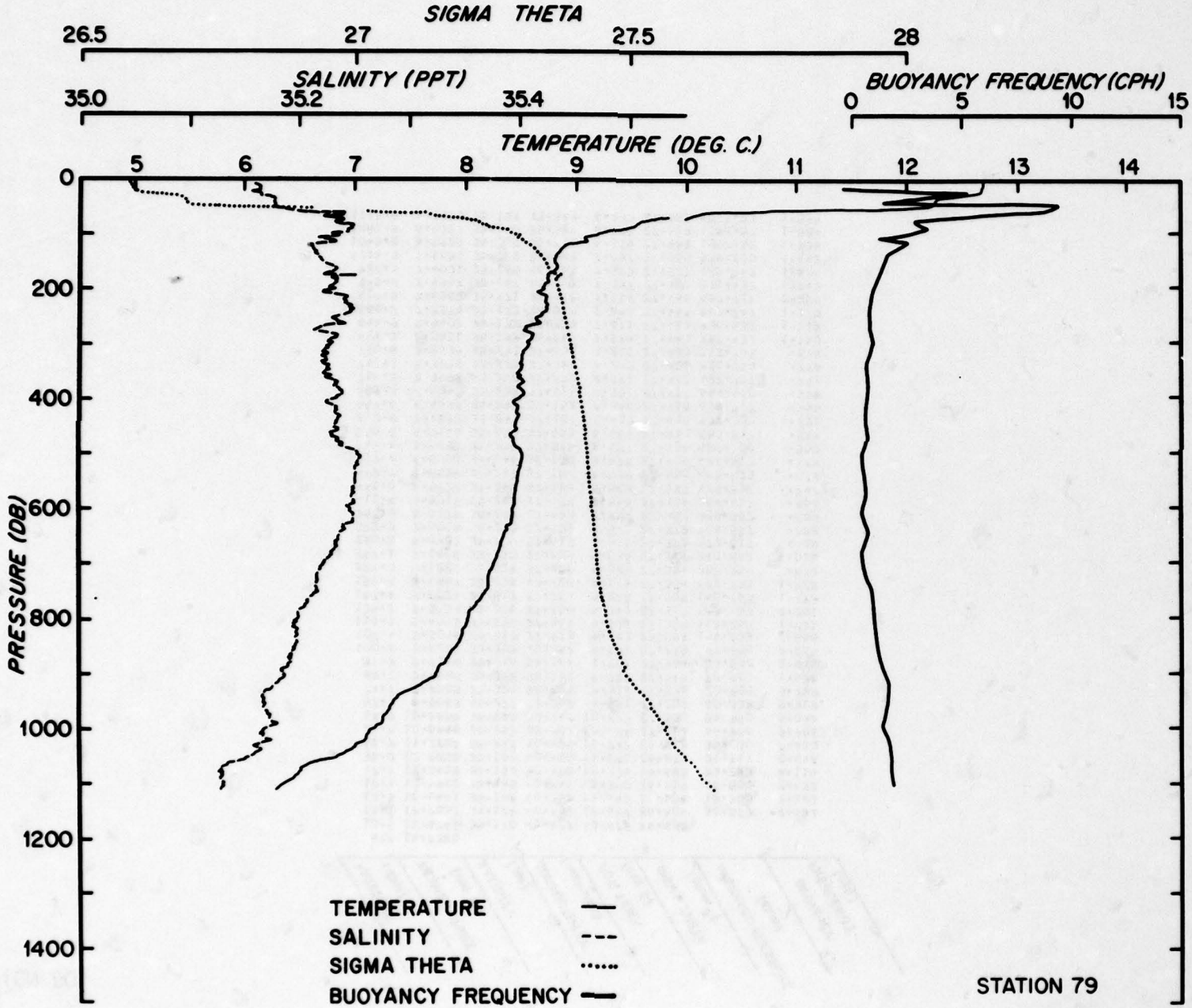
STATION 78

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
26.3	12.3397	35.181	40.501	12.336	26.666		
31.3	12.3341	35.181	40.498	12.330	26.667	28.783	.914
39.4	11.6842	35.181	39.894	11.679	26.907	35.333	7.411
47.2	10.6436	35.224	38.942	10.638	27.032	43.267	9.561
55.0	10.0779	35.236	38.418	10.072	27.141	51.067	6.670
62.6	9.9644	35.249	38.326	9.957	27.171	58.783	3.543
70.3	9.8043	35.251	38.179	9.796	27.200	66.450	3.441
77.9	9.6206	35.243	38.000	9.612	27.224	74.083	3.235
86.0	9.2779	35.223	37.660	9.268	27.266	81.950	4.060
94.5	9.1309	35.227	37.528	9.121	27.293	90.283	3.199
102.8	9.0258	35.233	37.439	9.015	27.316	98.650	2.947
111.2	8.9038	35.231	37.325	8.892	27.333	106.983	2.594
119.6	8.8764	35.236	37.308	8.864	27.342	115.400	1.819
127.7	8.8213	35.237	37.261	8.808	27.351	123.667	1.937
161.9	8.7373	35.241	37.201	8.720	27.368	144.800	1.268
195.8	8.7208	35.247	37.206	8.700	27.375	178.817	.856
229.5	8.7183	35.254	37.226	8.694	27.381	212.617	.802
262.8	8.7468	35.265	37.279	8.719	27.385	246.133	.653
295.6	8.6773	35.254	37.218	8.646	27.388	279.217	.592
328.7	8.6492	35.254	37.206	8.614	27.392	312.167	.686
361.5	8.4983	35.228	37.054	8.460	27.396	345.117	.724
392.9	8.5743	35.253	37.163	8.532	27.403	377.233	.844
425.4	8.5016	35.241	37.098	8.456	27.405	409.167	.583
457.3	8.5104	35.246	37.126	8.462	27.408	441.333	.551
489.3	8.5202	35.249	37.151	8.468	27.408	473.300	.290
521.1	8.4888	35.246	37.133	8.433	27.411	505.233	.611
552.5	8.4858	35.248	37.146	8.426	27.413	536.817	.519
584.5	8.4668	35.246	37.141	8.404	27.415	568.500	.497
616.5	8.4477	35.246	37.137	8.381	27.418	600.483	.628
649.6	8.4192	35.243	37.122	8.349	27.420	633.017	.525
680.6	8.4091	35.242	37.124	8.336	27.420	665.100	.331
712.7	8.3716	35.237	37.099	8.295	27.422	696.683	.592
744.6	8.2463	35.217	36.976	8.167	27.426	728.667	.771
776.0	8.1297	35.199	36.864	8.047	27.429	760.300	.790
808.1	8.0624	35.195	36.812	7.977	27.437	792.067	.955
839.6	7.8804	35.172	36.634	7.792	27.446	823.867	1.155
871.3	7.8320	35.178	36.608	7.741	27.458	855.467	1.130
903.9	7.6262	35.151	36.406	7.533	27.468	887.633	1.175
936.4	7.5047	35.149	36.305	7.409	27.484	920.183	1.383
967.2	7.4302	35.158	36.257	7.331	27.502	951.817	1.431
1001.3	7.2829	35.164	36.141	7.181	27.528	984.233	1.660
1033.4	7.0745	35.156	35.954	6.971	27.551	1017.32	1.674
1066.4	6.8062	35.138	35.703	6.701	27.574	1049.88	1.682
1099.3	6.7077	35.146	35.634	6.600	27.594	1082.87	1.475


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 78

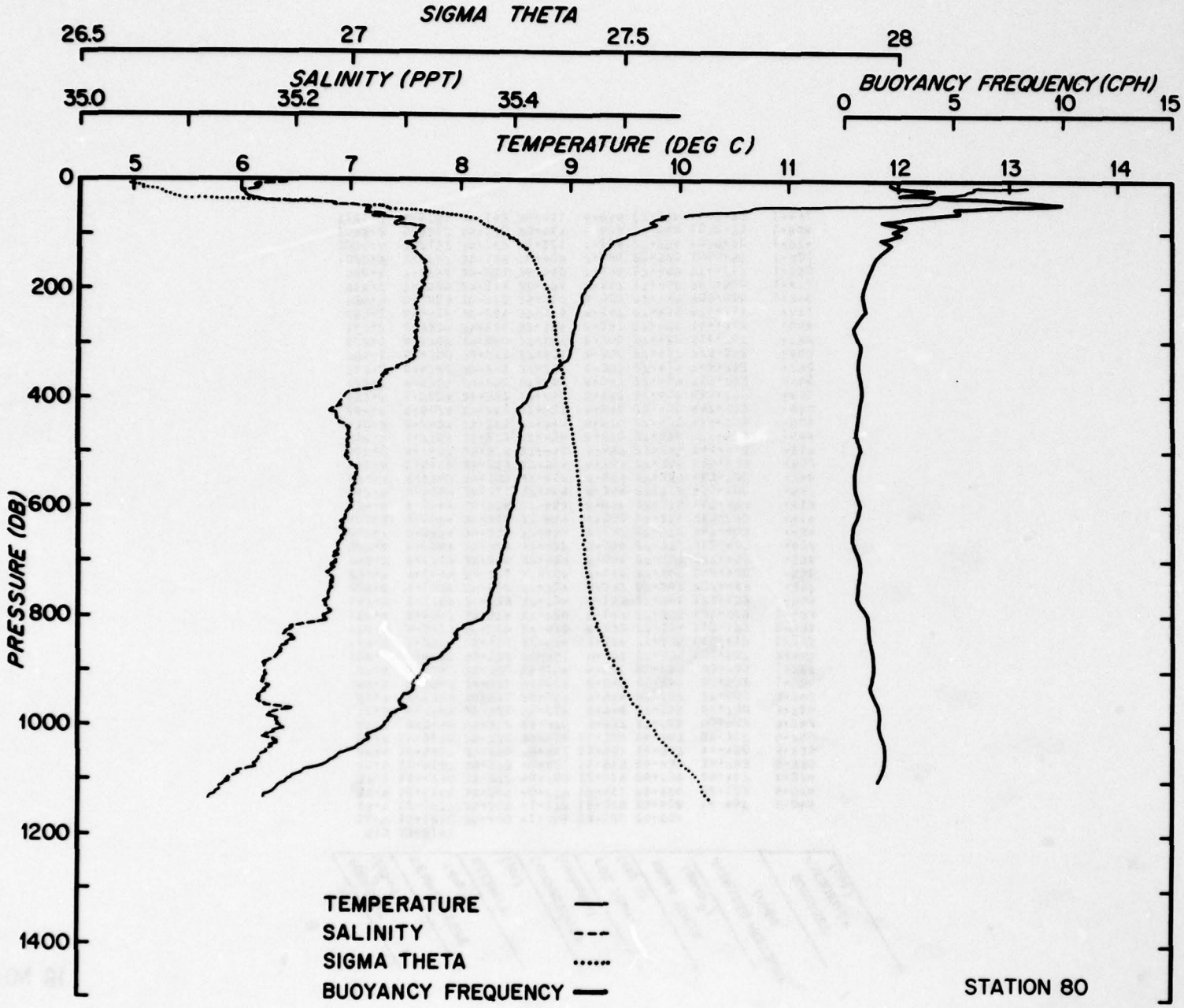
STATION 79

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m**3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
5.0	14.7587						
14.8	12.6846	35.164	40.833	12.683	26.600		
23.1	12.6681	35.159	40.816	12.665	26.600	18.950	.394
31.0	12.3798	35.175	40.556	12.376	26.669	27.050	5.266
39.2	12.2701	35.179	40.458	12.265	26.693	35.117	3.077
47.5	12.2447	35.179	40.437	12.238	26.698	43.350	1.436
55.3	11.1109	35.191	39.360	11.104	26.922	51.383	9.517
64.0	10.1209	35.238	38.464	10.113	27.135	59.667	5.807
72.0	9.7362	35.241	38.105	9.728	27.204	68.000	3.250
80.2	9.5800	35.235	37.955	9.571	27.225	76.083	2.892
88.2	9.5089	35.250	37.905	9.499	27.249	84.200	3.058
96.7	9.2948	35.245	37.702	9.284	27.281	92.450	3.480
105.2	9.1207	35.232	37.528	9.109	27.299	100.933	2.649
113.1	9.1040	35.233	37.517	9.092	27.303	109.150	1.237
121.2	8.9044	35.211	37.312	8.891	27.318	117.150	2.488
153.8	8.8173	35.226	37.259	8.801	27.344	137.467	1.607
185.9	8.7601	35.236	37.229	8.740	27.360	169.817	1.310
219.8	8.7323	35.241	37.223	8.709	27.369	202.817	.937
252.8	8.6382	35.231	37.139	8.611	27.375	236.267	.853
285.2	8.6122	35.234	37.132	8.582	27.382	269.000	.837
319.3	8.5214	35.226	37.055	8.487	27.390	302.267	.944
353.2	8.4757	35.222	37.024	8.438	27.394	336.250	.672
386.8	8.5331	35.241	37.110	8.492	27.400	369.983	.750
421.8	8.4718	35.234	37.062	8.427	27.404	404.283	.694
454.1	8.4698	35.238	37.078	8.421	27.408	437.950	.611
487.1	8.4783	35.245	37.107	8.426	27.412	470.617	.688
521.1	8.5028	35.252	37.152	8.447	27.414	504.117	.452
556.2	8.4788	35.251	37.144	8.419	27.417	538.650	.593
590.4	8.4508	35.251	37.133	8.387	27.421	573.283	.682
624.9	8.4233	35.247	37.119	8.356	27.422	607.650	.453
659.5	8.3392	35.236	37.045	8.269	27.427	642.200	.770
692.4	8.2823	35.226	36.996	8.208	27.427	675.950	.434
726.8	8.2294	35.218	36.954	8.152	27.429	709.633	.565
764.0	8.1413	35.211	36.881	8.060	27.437	745.417	.925
803.9	8.0306	35.202	36.787	7.946	27.447	783.950	.993
845.9	7.9346	35.200	36.713	7.846	27.460	824.917	1.079
888.6	7.7713	35.192	36.572	7.679	27.478	867.250	1.265
930.6	7.4631	35.173	36.286	7.368	27.508	909.567	1.676
970.8	7.2898	35.176	36.145	7.191	27.537	950.700	1.591
1010.0	7.1212	35.170	36.000	7.020	27.555	990.433	1.369
1047.4	6.8357	35.158	35.741	6.733	27.586	1028.73	1.786
1084.1	6.4731	35.134	35.401	6.369	27.617	1065.77	1.858
1106.1	6.3066	35.132	35.255	6.202	27.637	1095.12	1.884


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG. C.)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 79

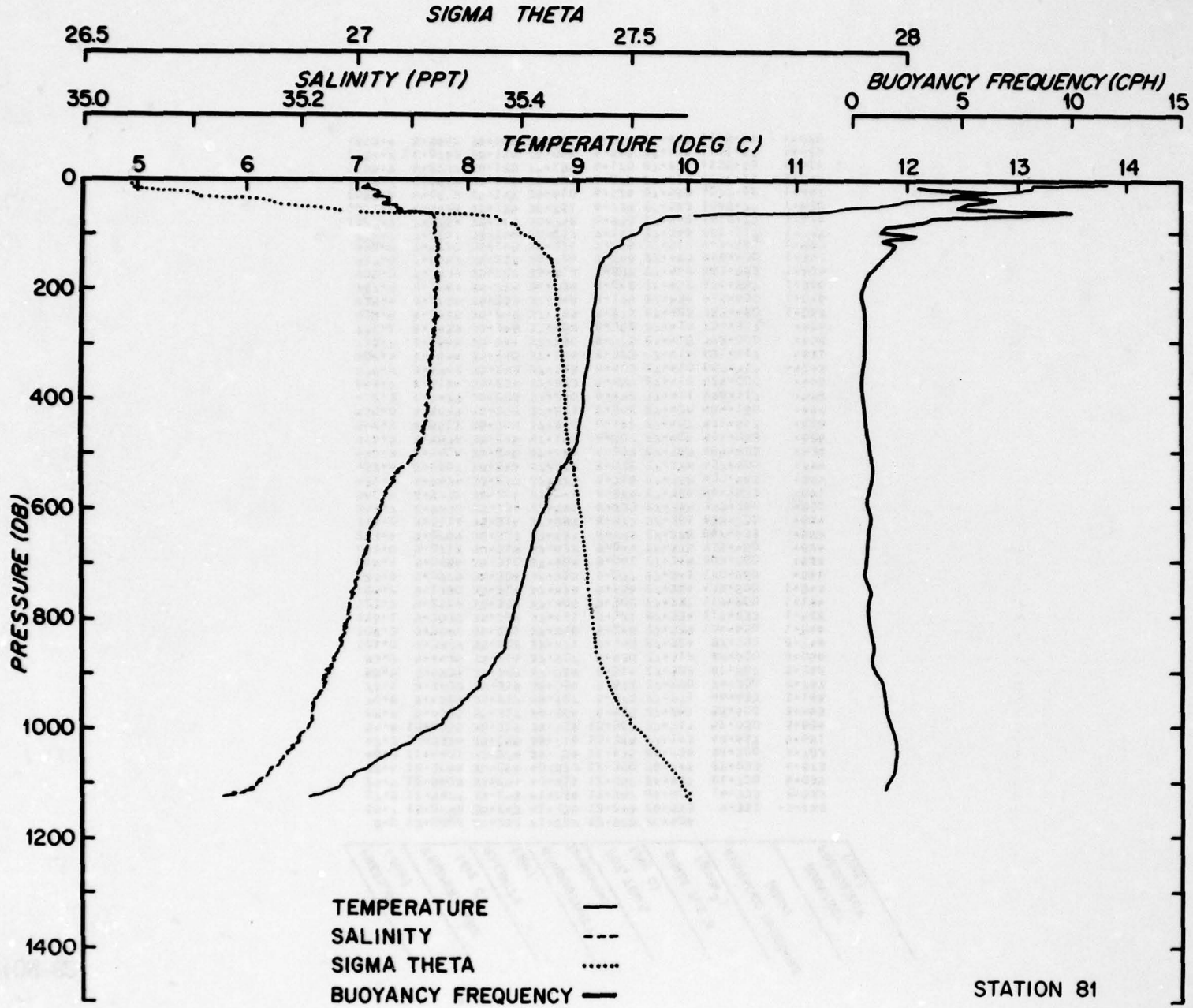
STATION 80

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/cm3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
6.2	16.8320						
10.1	12.6746	35.170	40.827	12.673	26.607		
11.1	12.7007	35.174	40.857	12.699	26.604	10.583	*2.663
13.5	12.6481	35.165	40.798	12.646	26.608	12.300	2.183
19.5	12.5922	35.165	40.744	12.590	26.619	16.500	2.433
27.1	12.3418	35.153	40.495	12.338	26.659	23.283	4.116
35.2	12.2855	35.160	40.452	12.281	26.676	31.117	2.508
42.9	11.7828	35.218	40.029	11.777	26.818	39.050	7.610
51.0	10.6440	35.267	38.987	10.638	27.066	46.950	9.901
58.9	10.2858	35.268	38.649	10.279	27.130	54.950	5.045
67.1	9.9083	35.277	38.302	9.901	27.202	63.033	5.319
74.7	9.8205	35.301	38.245	9.812	27.236	70.900	3.762
83.1	9.7623	35.298	38.190	9.753	27.243	78.900	1.698
91.9	9.7118	35.316	38.164	9.701	27.266	87.500	2.896
100.0	9.6023	35.309	38.057	9.591	27.279	95.950	2.284
108.4	9.5044	35.312	37.970	9.492	27.298	104.233	2.656
116.1	9.4053	35.299	37.868	9.392	27.305	112.267	1.731
124.2	9.3739	35.308	37.850	9.360	27.317	120.133	2.201
157.4	9.2924	35.319	37.798	9.275	27.339	140.767	1.472
190.5	9.1969	35.318	37.722	9.176	27.354	173.933	1.228
224.0	9.1229	35.312	37.660	9.098	27.361	207.250	.872
257.1	9.0668	35.313	37.623	9.038	27.371	240.533	1.016
290.2	9.0429	35.309	37.613	9.011	27.372	273.617	.458
323.0	9.0058	35.310	37.593	8.970	27.379	306.567	.832
357.0	8.8378	35.279	37.420	8.799	27.382	339.983	.685
411.8	8.5919	35.243	37.178	8.548	27.392	384.417	.842
446.0	8.5772	35.246	37.183	8.529	27.397	428.917	.747
479.9	8.5639	35.247	37.187	8.512	27.400	462.933	.573
513.0	8.5328	35.248	37.173	8.478	27.406	496.417	.776
546.4	8.5558	35.256	37.216	8.497	27.408	529.700	.500
580.6	8.5188	35.250	37.192	8.456	27.410	563.517	.514
613.8	8.4692	35.247	37.157	8.403	27.415	597.200	.791
647.6	8.4498	35.245	37.152	8.380	27.416	630.717	.466
681.3	8.4047	35.237	37.116	8.331	27.417	664.450	.338
714.2	8.3473	35.232	37.072	8.271	27.422	697.717	.787
747.0	8.3228	35.233	37.064	8.243	27.426	730.583	.736
780.6	8.2938	35.231	37.050	8.210	27.430	763.783	.626
814.3	8.0601	35.198	36.815	7.974	27.440	797.433	1.180
846.9	7.9602	35.195	36.733	7.871	27.453	830.583	1.219
880.7	7.7376	35.173	36.519	7.646	27.468	863.767	1.375
914.8	7.6082	35.171	36.412	7.514	27.486	897.717	1.399
948.2	7.4947	35.167	36.317	7.397	27.500	931.467	1.243
982.4	7.4031	35.185	36.264	7.303	27.527	965.267	1.605
1016.0	7.1693	35.172	36.049	7.067	27.550	999.200	1.642
1049.2	6.9703	35.169	35.931	6.876	27.583	1032.62	1.936
1081.9	6.5927	35.150	35.525	6.498	27.613	1065.57	1.924
1114.5	6.3390	35.132	35.288	6.233	27.633	1098.23	1.594


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 80

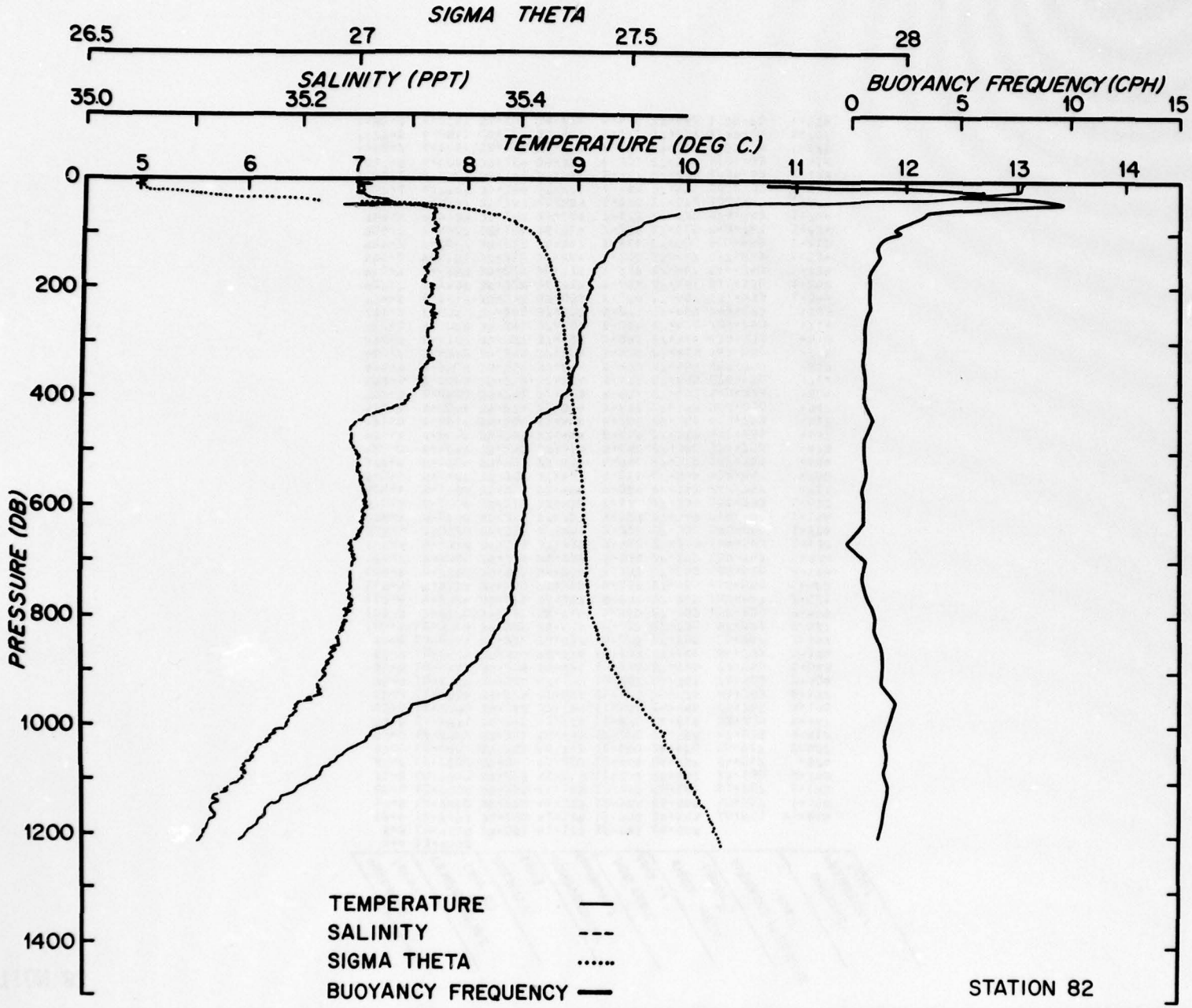
STATION 81

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
5.0	13.8147						
10.9	13.1212	35.260	41.356	13.120	26.586		
18.4	13.0277	35.263	41.272	13.025	26.608	14.667	3.045
25.9	12.6141	35.269	40.879	12.611	26.696	22.133	6.096
33.1	12.4236	35.277	40.705	12.419	26.739	29.467	4.378
40.5	11.9187	35.279	40.221	11.913	26.839	36.783	6.530
48.4	11.5867	35.286	39.911	11.581	26.907	44.450	5.235
56.2	11.3130	35.292	39.656	11.306	26.963	52.317	4.760
64.7	9.9440	35.318	38.375	9.937	27.228	60.483	9.963
72.7	9.7565	35.321	38.202	9.748	27.263	68.700	3.716
81.3	9.5929	35.320	38.049	9.584	27.289	77.000	3.140
89.8	9.5593	35.321	38.022	9.549	27.296	85.583	1.556
97.6	9.5365	35.320	38.004	9.525	27.299	93.733	1.259
105.7	9.4190	35.322	37.897	9.407	27.320	101.667	2.868
113.9	9.3904	35.322	37.874	9.378	27.325	109.817	1.395
122.3	9.3433	35.324	37.835	9.330	27.334	118.133	1.935
156.4	9.2047	35.324	37.720	9.187	27.358	139.383	1.493
189.8	9.1758	35.323	37.706	9.155	27.361	173.133	.664
225.0	9.1639	35.322	37.709	9.139	27.362	207.433	.347
259.8	9.1445	35.321	37.706	9.116	27.365	242.400	.556
295.2	9.1209	35.320	37.699	9.088	27.368	277.467	.598
329.8	9.0944	35.319	37.688	9.058	27.371	312.467	.607
365.2	9.0774	35.317	37.686	9.037	27.372	347.483	.434
401.3	9.0644	35.316	37.685	9.020	27.374	383.250	.444
436.6	9.0444	35.314	37.683	8.996	27.376	417.967	.513
467.4	9.0159	35.311	37.668	8.964	27.378	451.100	.547
499.8	8.9543	35.305	37.618	8.899	27.383	483.700	.786
531.8	8.8452	35.289	37.514	8.787	27.388	515.833	.840
565.0	8.7607	35.279	37.440	8.699	27.394	548.417	.818
598.2	8.7154	35.273	37.406	8.650	27.396	581.583	.589
630.9	8.6438	35.265	37.345	8.575	27.401	614.533	.805
664.2	8.6078	35.262	37.323	8.535	27.405	647.533	.645
697.7	8.5628	35.257	37.290	8.487	27.408	680.950	.636
729.7	8.5286	35.250	37.260	8.443	27.409	713.733	.468
763.0	8.4782	35.248	37.231	8.395	27.414	746.383	.792
795.1	8.4360	35.243	37.201	8.350	27.417	779.067	.683
828.3	8.3902	35.240	37.169	8.300	27.422	811.717	.739
860.3	8.3304	35.236	37.124	8.237	27.428	844.317	.888
893.1	8.2428	35.226	37.046	8.147	27.433	876.717	.871
924.9	8.1283	35.223	36.950	8.029	27.449	909.000	1.346
958.2	7.9585	35.214	36.798	7.857	27.468	941.550	1.472
990.2	7.7998	35.211	36.660	7.696	27.489	974.217	1.580
1022.9	7.5267	35.199	36.409	7.421	27.520	1006.55	1.902
1056.5	7.2153	35.185	36.121	7.108	27.554	1039.70	1.974
1089.2	6.9312	35.170	35.858	6.823	27.582	1072.85	1.898
1121.3	6.6753	35.143	35.611	6.566	27.596	1105.23	1.431


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 81

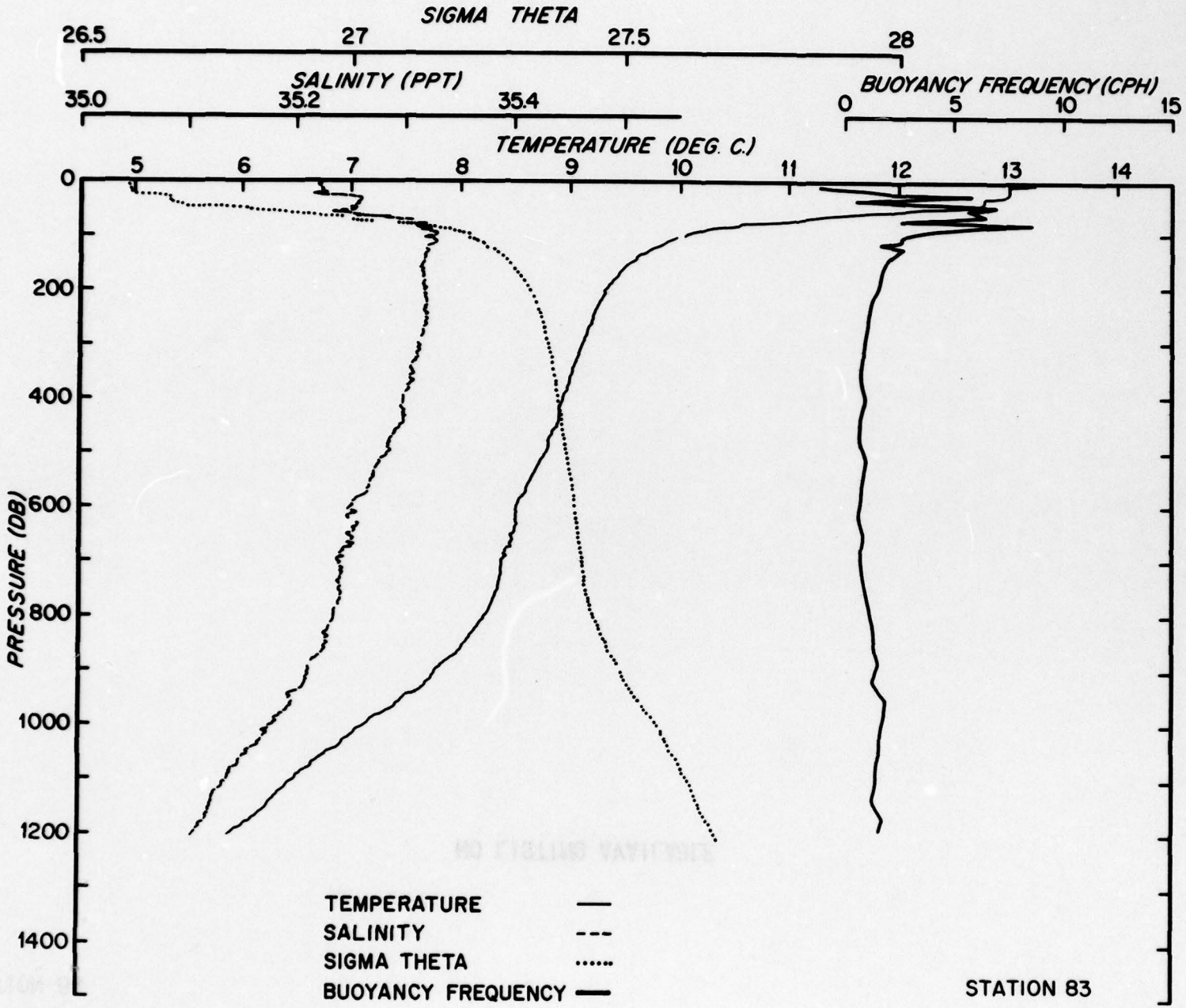
STATION 82

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m**3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
8.0	13.0002	35.253	41.229	12.999	26.606		
10.7	13.0698	35.249	41.275	13.048	26.593	9.383	3.853
17.9	12.9897	35.253	41.224	12.987	26.608	14.333	2.599
25.5	12.5608	35.254	40.811	12.557	26.695	21.700	4.039
32.6	12.3045	35.258	40.570	12.300	26.748	29.033	4.873
40.0	11.4401	35.274	39.754	11.435	26.926	36.300	8.723
47.3	10.3334	35.295	38.716	10.328	27.143	43.667	9.691
54.8	10.0155	35.319	38.439	10.009	27.217	51.050	5.624
62.8	9.8300	35.317	38.264	9.823	27.247	58.800	3.463
70.5	9.6829	35.317	38.127	9.675	27.271	66.683	3.188
78.1	9.5803	35.318	38.034	9.572	27.290	74.300	2.783
85.9	9.5239	35.322	37.988	9.514	27.302	81.967	2.282
93.3	9.4405	35.316	37.907	9.430	27.312	89.600	2.056
101.0	9.3939	35.322	37.871	9.383	27.324	97.150	2.248
108.3	9.3599	35.321	37.842	9.348	27.329	104.650	1.546
116.1	9.3335	35.322	37.821	9.321	27.334	112.233	1.422
123.7	9.3159	35.322	37.808	9.302	27.337	119.900	1.194
131.3	9.1730	35.314	37.679	9.156	27.354	139.500	1.343
186.6	9.0979	35.306	37.615	9.077	27.361	170.950	.861
219.4	9.0854	35.312	37.624	9.061	27.368	203.000	.836
251.5	9.0718	35.319	37.632	9.044	27.375	235.450	.894
283.4	9.0259	35.313	37.597	8.995	27.378	267.433	.593
316.0	9.0113	35.314	37.599	8.977	27.381	299.700	.624
348.7	8.9633	35.306	37.561	8.925	27.383	332.350	.500
380.4	8.9299	35.304	37.541	8.888	27.386	364.533	.661
421.6	8.7634	35.273	37.373	8.718	27.388	400.983	.586
453.6	8.5807	35.246	37.189	8.532	27.396	437.600	.996
485.3	8.5608	35.245	37.184	8.509	27.399	469.433	.605
516.9	8.5578	35.249	37.199	8.502	27.402	501.083	.626
548.3	8.5511	35.253	37.210	8.492	27.407	532.617	.690
580.0	8.5643	35.258	37.241	8.502	27.408	564.150	.464
612.3	8.5479	35.258	37.240	8.482	27.411	596.117	.592
643.7	8.5194	35.254	37.223	8.450	27.412	628.000	.468
675.9	8.4762	35.243	37.186	8.403	27.410	659.817	.243
707.3	8.4694	35.245	37.196	8.393	27.414	691.617	.631
738.7	8.4548	35.244	37.195	8.375	27.415	723.000	.452
771.1	8.4459	35.246	37.203	8.362	27.418	754.867	.626
803.8	8.3658	35.243	37.139	8.279	27.428	787.450	1.053
835.4	8.2638	35.233	37.048	8.174	27.436	819.600	1.046
867.8	8.1343	35.228	36.936	8.042	27.452	851.567	1.356
900.0	7.9939	35.223	36.813	7.899	27.469	883.883	1.406
932.8	7.9463	35.218	36.764	7.768	27.485	916.400	1.352
965.0	7.5223	35.195	36.376	7.423	27.517	948.883	1.990
997.7	7.2867	35.186	36.163	7.196	27.545	981.317	1.779
1029.9	7.0564	35.166	35.965	6.953	27.562	1013.77	1.496
1061.7	6.8428	35.155	35.751	6.738	27.583	1045.77	1.622
1092.6	6.6826	35.147	35.610	6.576	27.599	1077.12	1.447
1123.7	6.3826	35.121	35.323	6.275	27.619	1108.13	1.685
1155.9	6.2297	35.120	35.195	6.120	27.638	1139.80	1.514
1187.2	6.0760	35.114	35.062	5.965	27.653	1171.57	1.420
1210.4	5.9669	35.106	34.966	5.854	27.662	1198.82	1.275


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C.)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 82

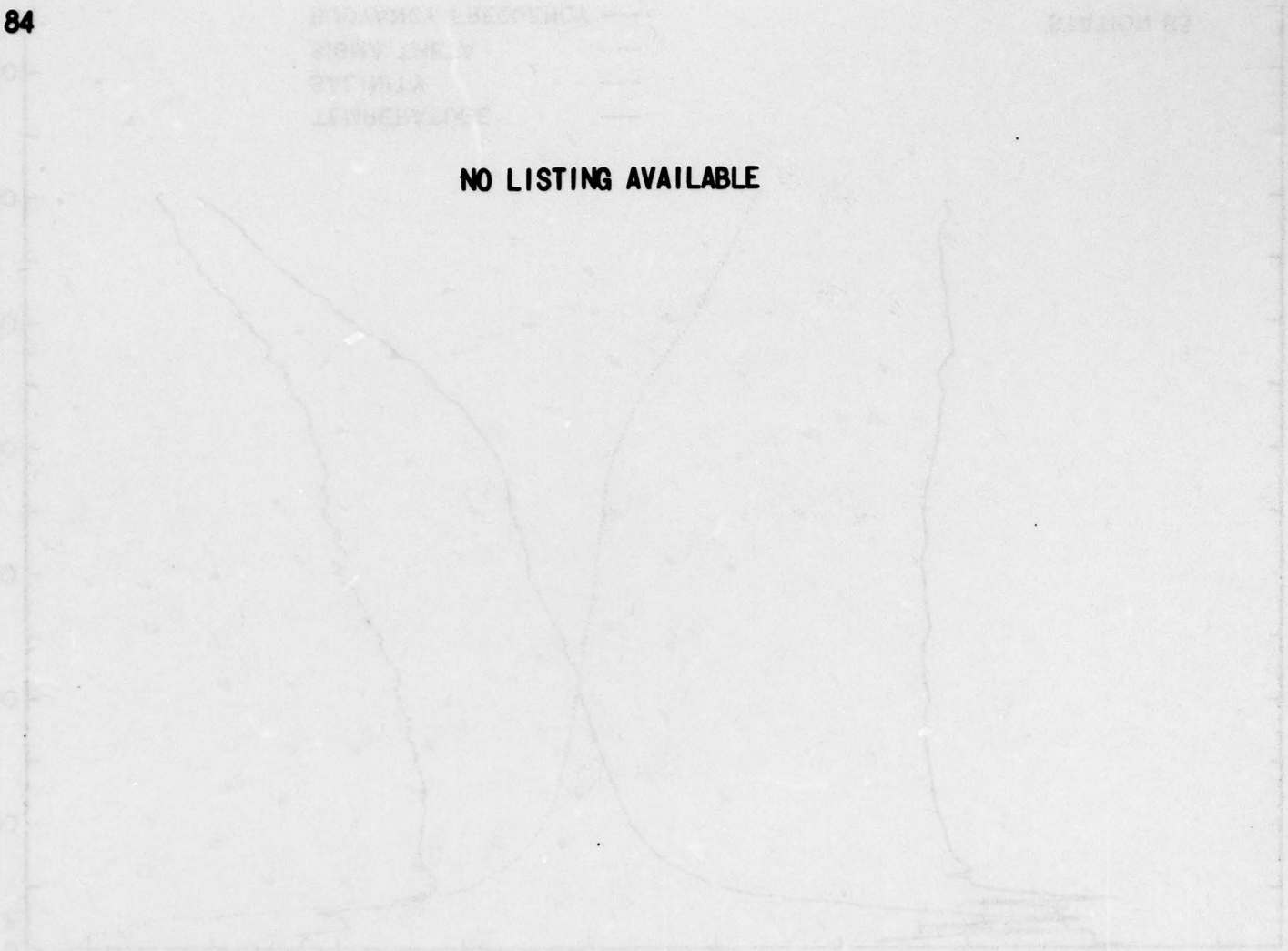
STATION 83

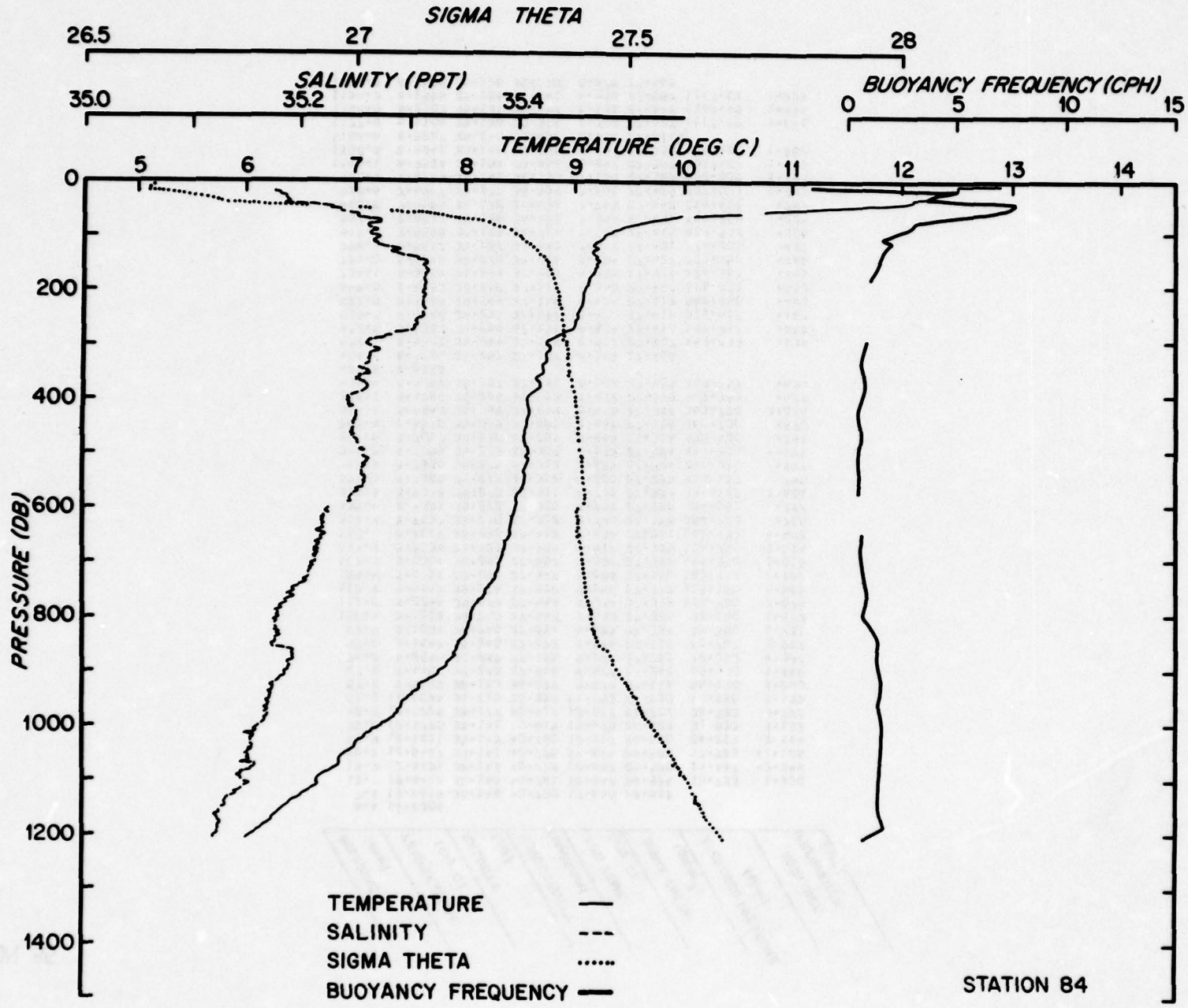
PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmhos/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m**3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.4	13.5562						
8.5	12.9818	35.221	41.179	12.981	26.585		
12.6	12.9873	35.220	41.185	12.986	26.583	10.550	*1.215
18.5	12.9862	35.222	41.189	12.984	26.585	15.517	1.148
25.0	12.9758	35.228	41.188	12.972	26.592	21.717	1.796
31.2	12.7664	35.258	41.018	12.762	26.657	28.100	5.743
37.8	12.7602	35.257	41.013	12.755	26.657	34.517	.376
44.0	12.6861	35.255	40.942	12.680	26.670	40.917	2.627
50.0	12.2262	35.252	40.495	12.220	26.758	47.033	4.819
56.6	11.8971	35.249	40.176	11.890	26.819	53.300	5.457
63.0	11.4890	35.248	39.785	11.481	26.896	59.767	6.180
69.2	11.1816	35.278	39.522	11.173	26.976	66.083	6.397
75.4	10.8959	35.226	39.199	10.887	26.988	72.383	2.505
81.5	10.5161	35.316	38.926	10.506	27.126	78.550	8.563
87.9	10.2435	35.324	38.676	10.233	27.181	84.733	5.196
94.0	10.0964	35.322	38.537	10.085	27.205	90.967	3.589
100.2	10.0369	35.329	38.489	10.025	27.220	97.083	2.837
106.3	9.9570	35.327	38.414	9.945	27.233	103.250	2.556
112.6	9.8924	35.329	38.357	9.879	27.245	109.467	2.521
119.5	9.8254	35.320	38.288	9.812	27.250	116.050	1.552
125.8	9.7362	35.317	38.204	9.722	27.263	122.650	2.588
151.7	9.5500	35.314	38.035	9.533	27.292	138.767	1.893
177.4	9.4348	35.316	37.939	9.415	27.313	164.583	1.637
202.4	9.3320	35.316	37.854	9.309	27.330	190.000	1.526
236.4	9.2555	35.317	37.797	9.229	27.343	219.467	1.156
270.3	9.1804	35.315	37.739	9.150	27.354	253.333	1.052
305.6	9.1183	35.313	37.694	9.084	27.363	287.967	.927
340.1	9.0487	35.305	37.637	9.011	27.368	322.867	.765
375.5	9.0024	35.301	37.605	8.961	27.372	357.783	.686
422.0	8.9288	35.299	37.553	8.882	27.382	398.750	.873
456.4	8.8648	35.289	37.499	8.815	27.385	439.233	.637
491.0	8.8214	35.284	37.469	8.768	27.388	473.733	.617
521.4	8.7284	35.274	37.386	8.672	27.395	506.200	.947
559.3	8.6520	35.267	37.323	8.591	27.402	540.333	.804
593.0	8.5563	35.252	37.234	8.492	27.405	576.150	.713
626.9	8.5508	35.254	37.246	8.483	27.408	609.950	.563
660.2	8.4972	35.250	37.206	8.426	27.413	643.550	.778
692.5	8.4157	35.237	37.132	8.341	27.416	676.333	.670
727.0	8.4022	35.241	37.137	8.324	27.420	709.750	.718
761.2	8.3553	35.241	37.109	8.273	27.428	744.133	.903
794.6	8.2649	35.238	37.033	8.180	27.437	777.933	1.045
827.7	8.1409	35.228	36.925	8.053	27.451	811.150	1.258
860.9	8.0299	35.228	36.835	7.939	27.467	844.283	1.336
894.2	7.8158	35.212	36.654	7.722	27.487	877.533	1.524
926.7	7.7077	35.207	36.563	7.611	27.500	910.450	1.212
958.8	7.6567	35.196	36.514	7.559	27.528	942.767	1.834
989.8	7.2129	35.183	36.088	7.113	27.552	974.283	1.754
1021.6	6.9967	35.169	35.889	6.895	27.572	1005.67	1.575
1052.1	6.7915	35.156	35.701	6.689	27.591	1036.83	1.578
1085.1	6.5921	35.141	35.517	6.487	27.606	1068.62	1.393
1117.5	6.4082	35.129	35.351	6.301	27.621	1101.33	1.412
1148.7	6.2867	35.122	35.247	6.178	27.632	1133.10	1.228
1177.5	6.0811	35.114	35.043	5.971	27.653	1163.08	1.707
1192.9	5.9787	35.108	34.971	5.868	27.662	1185.20	1.534


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG. C.)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 83

STATION 84

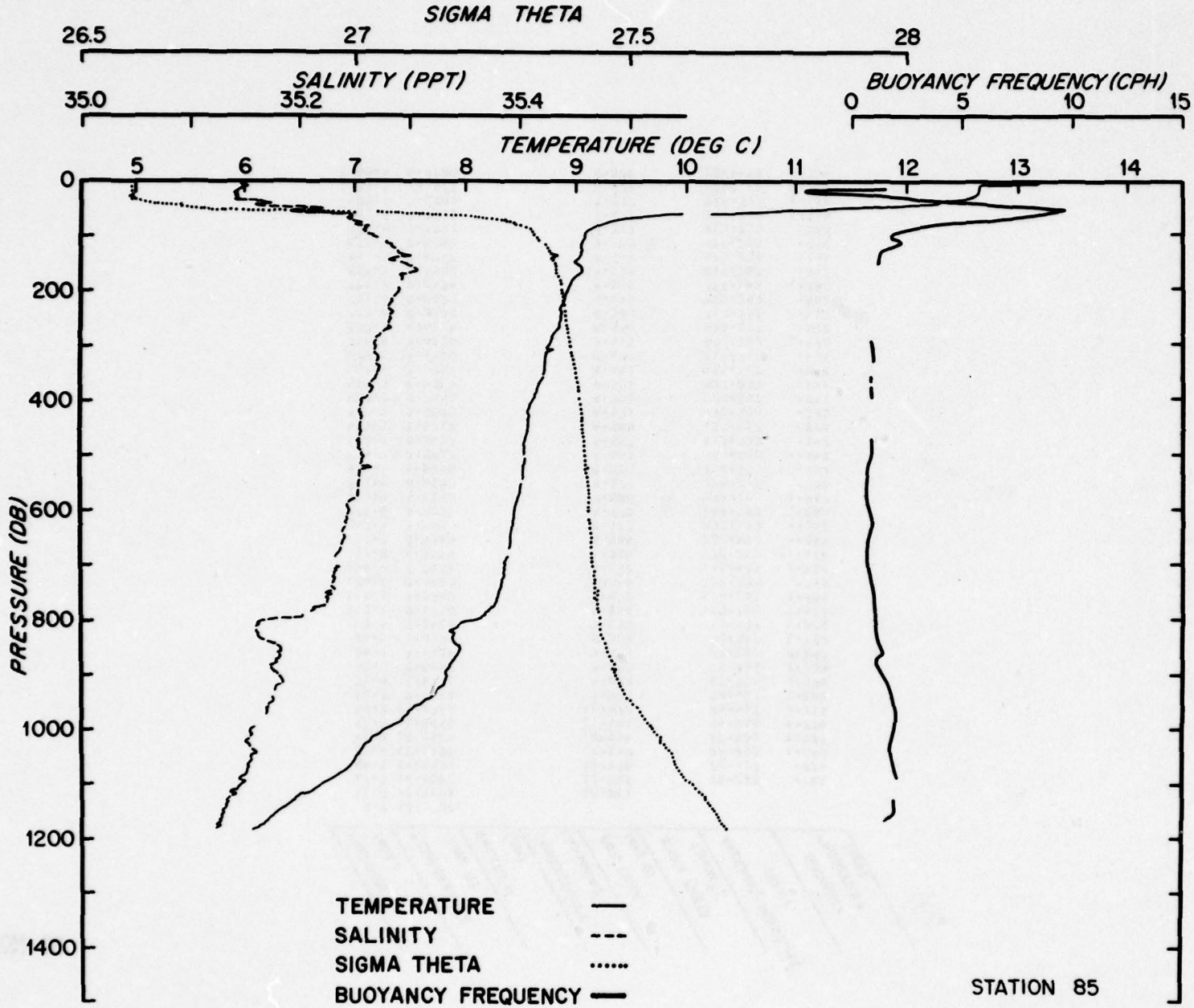
NO LISTING AVAILABLE




SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG. C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 84

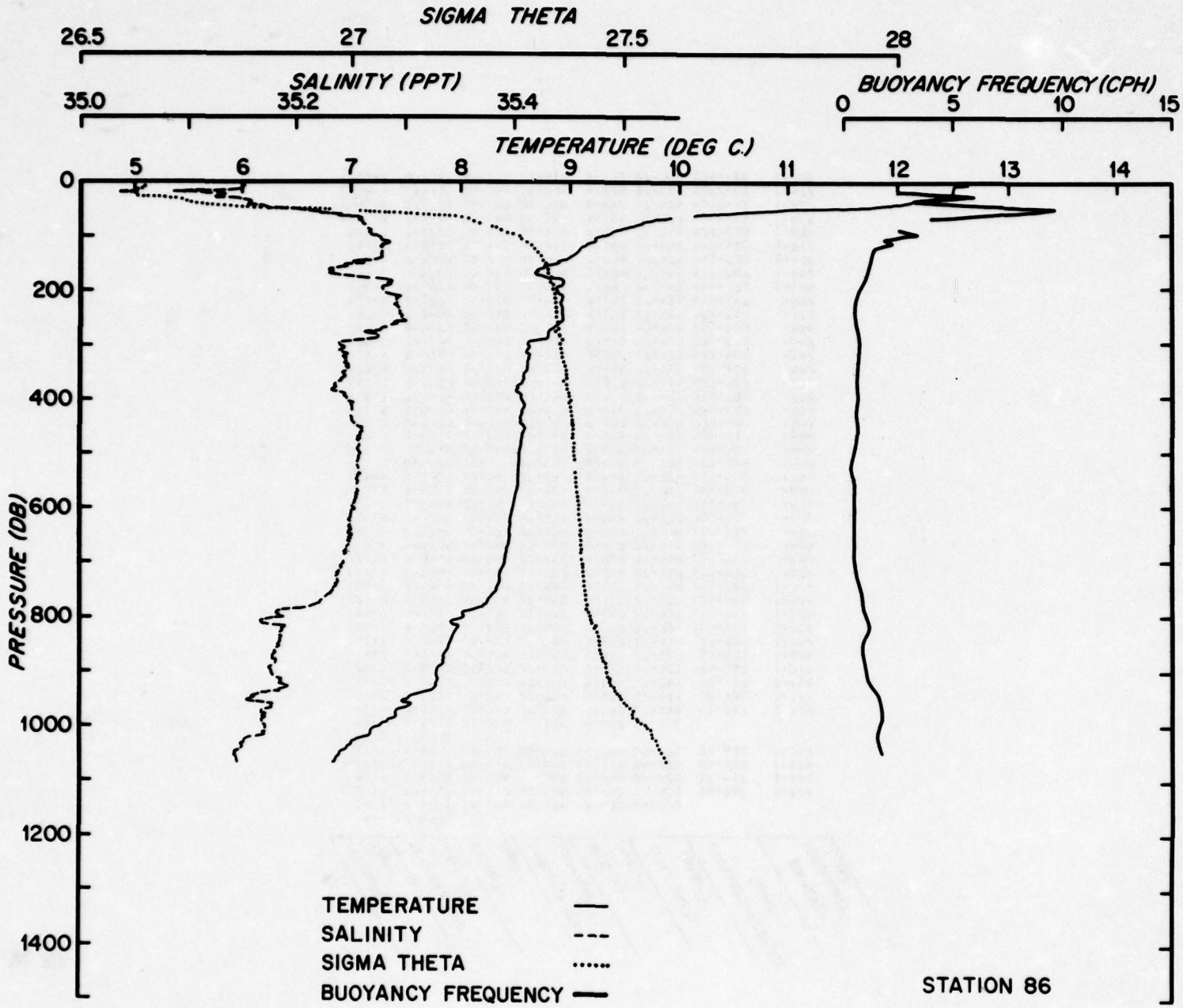
STATION 85

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
6.4	14.8309						
7.8	12.6615	35.148	40.790	12.660	26.592		
13.7	12.6486	35.148	40.781	12.647	26.595	10.733	1.300
15.3	12.6491	35.145	40.779	12.647	26.592	14.467	.2.342
20.7	12.6467	35.141	40.775	12.644	26.590	17.983	.1.128
27.9	12.6211	35.148	40.760	12.617	26.600	24.283	2.194
35.2	12.4795	35.141	40.619	12.475	26.623	31.533	3.133
42.7	12.2225	35.177	40.412	12.217	26.701	38.933	5.772
51.0	11.1094	35.213	39.379	11.103	26.939	46.850	9.495
59.2	9.9829	35.183	38.277	9.976	27.116	55.133	8.290
67.8	9.6857	35.243	37.868	9.678	27.248	63.533	6.968
76.3	9.2845	35.257	37.695	9.276	27.292	72.083	4.077
85.2	9.1549	35.260	37.579	9.146	27.316	80.767	2.927
93.9	9.1034	35.260	37.534	9.093	27.324	89.550	1.731
102.4	9.1012	35.268	37.543	9.090	27.330	98.150	1.573
111.0	9.0864	35.279	37.544	9.074	27.342	106.700	2.074
119.3	9.0649	35.284	37.532	9.052	27.349	115.150	1.685
128.4	9.0718	35.290	37.548	9.058	27.352	123.833	1.129
168.3	9.0504	35.301	37.557	9.032	27.365	148.350	1.015
144.2	8.9338	35.321	37.454	8.918	27.399	156.250	.2.114
260.7	8.8612	35.283	37.402	8.833	27.381	202.433	..692
312.7	8.7537	35.270	37.312	8.720	27.388	286.700	.716
335.4	8.7384	35.272	37.310	8.702	27.392	324.050	.797
336.8	8.7378	35.273	37.311	8.701	27.393	336.117	1.601
339.5	8.7368	35.273	37.312	8.700	27.393	338.183	.780
342.6	8.7358	35.274	37.313	8.699	27.394	341.050	.897
346.2	8.7299	35.273	37.307	8.693	27.394	344.400	..291
358.6	8.7067	35.270	37.289	8.668	27.396	352.400	.747
362.8	8.6975	35.269	37.281	8.658	27.396	360.700	.690
364.6	8.6843	35.269	37.269	8.645	27.398	363.733	2.078
374.1	8.6728	35.268	37.262	8.632	27.399	369.383	.638
404.4	8.5952	35.257	37.191	8.552	27.403	389.267	.696
435.2	8.5855						
454.8	8.5768	35.257	37.197	8.528	27.406		
472.9	8.5522	35.254	37.179	8.501	27.407	463.833	.638
492.5	8.5569	35.258	37.196	8.504	27.410	482.717	.669
538.7	8.5328	35.256	37.192	8.475	27.412	515.617	.485
587.0	8.4669	35.244	37.140	8.404	27.413	562.850	.420
649.0	8.4149	35.242	37.117	8.345	27.420	618.000	.660
704.1	8.3618	35.234	37.083	8.296	27.421	676.567	.448
750.0	8.3048	35.230	37.046	8.224	27.427	727.050	.728
798.0	7.9547	35.167	36.680	7.871	27.431	774.000	.837
849.9	7.9588	35.185	36.724	7.869	27.445	823.983	.936
852.8	7.9543	35.186	36.721	7.864	27.446	851.350	1.234
880.5	7.8598	35.172	36.632	7.768	27.449	866.617	.793
933.6	7.6977	35.177	36.509	7.601	27.478	907.033	1.389
990.4	7.2799	35.161	36.130	7.180	27.526	962.000	1.793
1060.1	6.9528	35.154	35.852	6.847	27.567	1025.27	1.503
1106.5	6.5942	35.144	35.531	6.447	27.608	1083.32	1.850
1108.6	6.5227	35.140	35.462	6.416	27.614		
1127.0	6.4106	35.136	35.364	6.303	27.627	1117.82	1.642
1158.0	6.2103	35.131	35.188	6.101	27.649	1142.48	1.688
1166.3	6.1595	35.126	35.141	6.050	27.652	1162.12	1.259
1173.8	6.0882	35.126	35.079	5.978	27.662		


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 85

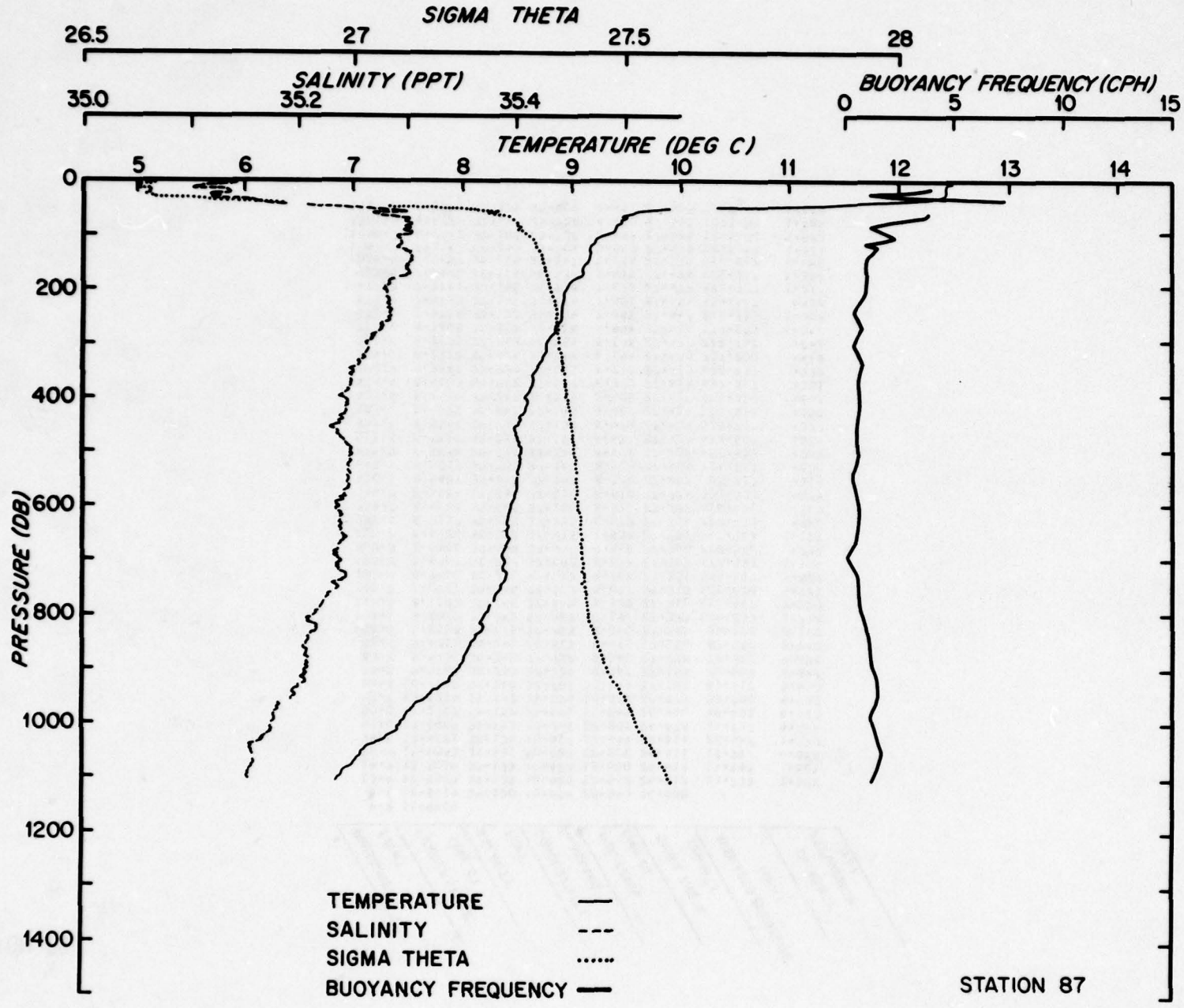
STATION 86

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
9.4	13.0932						
11.8	12.5121			12.511			
18.7	12.5022			12.501		15.233	.761
26.1	12.4880			12.486		22.417	.874
33.6	12.1655			12.143		29.850	4.040
41.5	12.0198			12.014		37.550	2.597
48.3	11.6843			11.681		44.900	4.225
55.7	10.6766			10.673		51.967	6.716
63.7	9.9238			9.920		59.683	5.262
71.8	9.6771			9.673		67.750	2.896
80.0	9.5545			9.550		75.883	2.009
86.4	9.4304			9.425		83.200	2.250
95.5	9.3294			9.324		90.967	1.703
101.4	9.2405			9.235		98.433	1.970
110.1	9.1718			9.166		105.750	1.413
118.4	9.0990			9.092		114.267	1.489
126.3	9.0729			9.066		122.333	.918
156.7	8.7464			8.738		141.483	1.618
187.8	8.9258			8.915		172.250	-1.176
218.0	8.9363			8.924		202.883	-.269
247.4	8.9408			8.927		232.683	-.157
278.6	8.8098			8.795		262.983	1.035
310.8	8.8142			8.798		294.700	1.229
341.6	8.8150			8.547		326.217	.085
375.1	8.8398			8.520		358.350	.753
404.7	8.8827			8.561		389.900	-.588
442.4	8.8807			8.557		423.533	.167
473.1	8.8718			8.548		457.717	.298
507.9	8.8590			8.531		490.500	.331
537.2	8.8541			8.525		522.567	.241
569.3	8.8318			8.501		553.233	.444
602.4	8.8959			8.463		585.817	.548
635.1	8.8718			8.437		618.717	.458
666.5	8.8518			8.415		650.783	.430
697.7	8.8218			8.384		682.117	.522
729.0	8.3798			8.340		713.367	.613
761.6	8.2873			8.246		745.283	.882
794.7	8.0494			8.008		778.133	1.382
828.8	7.9583			7.915		811.767	.841
861.6	7.8917			7.847		845.233	.736
893.9	7.8052			7.760		877.750	.842
927.5	7.7643			7.717		910.700	.573
961.2	7.5241			7.477		944.367	1.355
995.4	7.2863			7.239		978.317	1.318
1029.5	7.0177			6.971		1012.45	1.382
1060.4	6.8720			6.825		1044.95	1.056


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C.)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 86

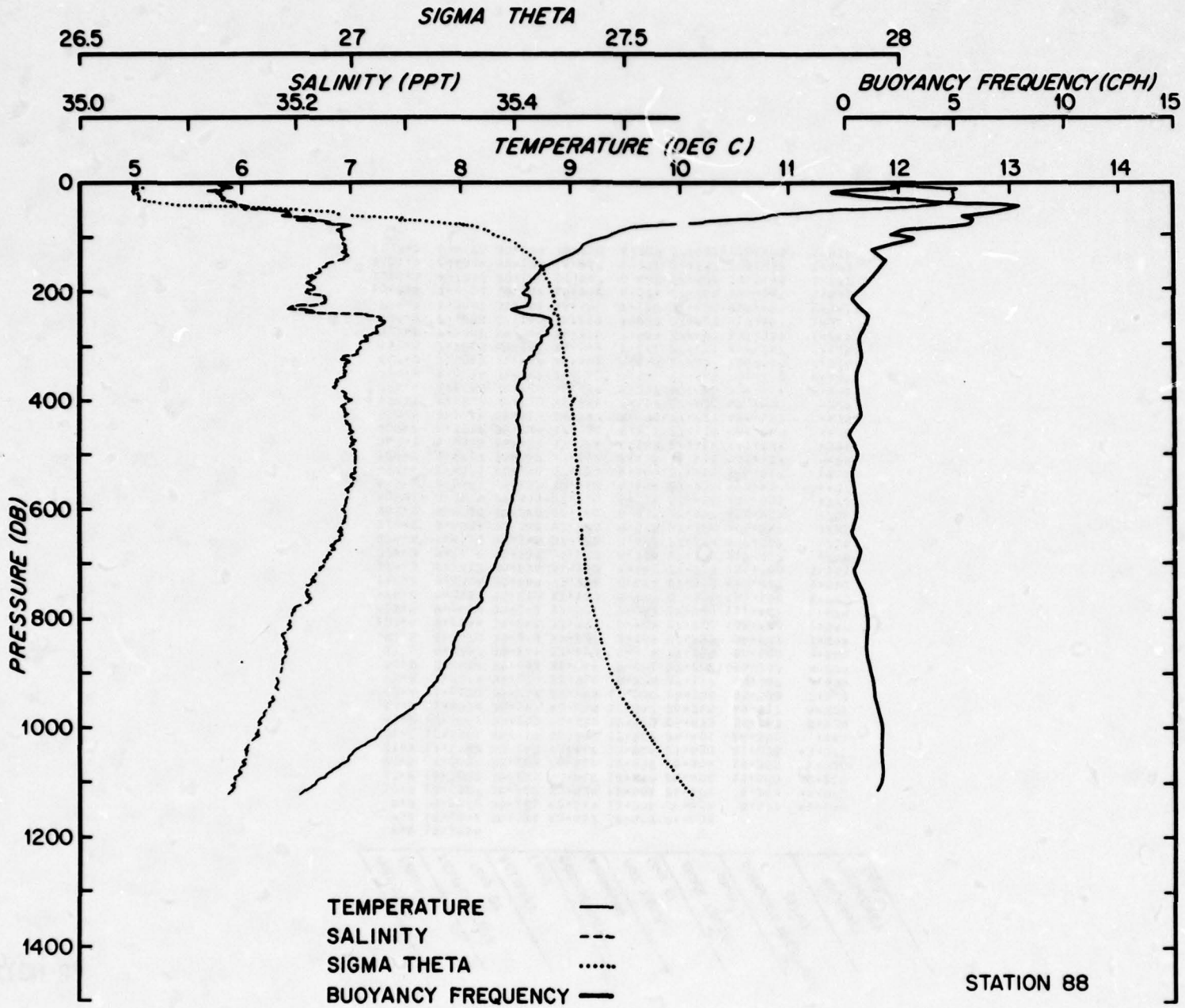
STATION 87

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.4	12.4981						
14.3	12.4341	35.104	40.528	12.432	26.603		
15.5	12.4337	35.112	40.536	12.432	26.609	14.917	3.918
20.3	12.4366	35.138	40.568	12.434	26.629	17.917	3.622
29.6	12.3782	35.128	40.505	12.374	26.633	24.933	1.174
37.7	11.7935	35.161	39.979	11.789	26.771	33.633	7.353
46.0	11.1335						
54.4	9.8120	35.272	38.199	9.806	27.215		
61.6	9.5874	35.268	37.985	9.580	27.249	58.017	3.909
69.0	9.5329	35.298	37.966	9.525	27.283	65.300	3.781
76.5	9.4565	35.299	37.898	9.448	27.296	72.717	2.406
84.9	9.4250	35.299	37.871	9.415	27.301	80.667	1.374
94.2	9.3989	35.304	37.855	9.388	27.309	89.533	1.698
101.7	9.2900	35.293	37.746	9.279	27.319	97.933	2.083
109.0	9.2280	35.296	37.693	9.216	27.331	105.333	2.316
119.0	9.2019	35.295	37.671	9.189	27.335	113.983	1.080
123.9	9.1819	35.295	37.655	9.168	27.338	121.450	1.544
158.0	9.1349	35.299	37.630	9.117	27.349	140.983	1.032
189.8	8.9969	35.284	37.500	8.976	27.360	173.900	1.105
222.1	8.9380	35.284	37.458	8.914	27.369	205.917	.986
253.8	8.9308	35.284	37.466	8.903	27.371	237.917	.466
284.1	8.8338	35.271	37.376	8.803	27.376	268.933	.827
316.3	8.7799	35.262	37.331	8.746	27.378	300.200	.472
347.7	8.6988	35.254	37.261	8.661	27.384	331.983	.871
380.3	8.6513	35.248	37.226	8.610	27.387	364.000	.639
421.9	8.6028	35.247	37.197	8.557	27.394	401.100	.760
453.3	8.5027	35.230	37.101	8.454	27.396	437.583	.648
485.4	8.5543	35.246	37.179	8.502	27.401	469.367	.648
517.9	8.5512	35.250	37.194	8.495	27.405	501.650	.666
549.5	8.5273	35.246	37.182	8.468	27.405	533.667	.348
580.8	8.5075	35.244	37.175	8.445	27.407	565.133	.520
612.7	8.4574	35.239	37.137	8.391	27.410	596.750	.702
643.1	8.4463	35.241	37.142	8.377	27.414	627.883	.635
673.3	8.4281	35.240	37.138	8.356	27.416	658.167	.583
704.9	8.4129	35.237	37.134	8.337	27.415	689.100	.167
735.3	8.4198	35.242	37.159	8.340	27.419	720.133	.693
767.3	8.3293	35.228	37.075	8.247	27.422	751.300	.696
797.0	8.2422	35.215	36.994	8.157	27.425	782.117	.772
829.4	8.1893	35.216	36.959	8.101	27.434	813.167	.992
862.7	8.0822	35.210	36.868	7.990	27.445	846.033	1.155
897.0	7.9888	35.211	36.796	7.894	27.460	879.867	1.282
928.0	7.8318	35.204	36.657	7.734	27.479	912.533	1.506
962.3	7.5872	35.183	36.424	7.488	27.498	945.150	1.513
995.8	7.4798	35.179	36.335	7.377	27.511	979.033	1.234
1028.5	7.2884	35.166	36.159	7.184	27.528	1012.13	1.448
1061.8	7.0733	35.159	35.968	6.967	27.554	1045.12	1.713
1092.4	6.9308	35.156	35.846	6.822	27.571	1077.08	1.479
1100.2	6.8997	35.154	35.819	6.791	27.574	1096.28	1.255


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 87

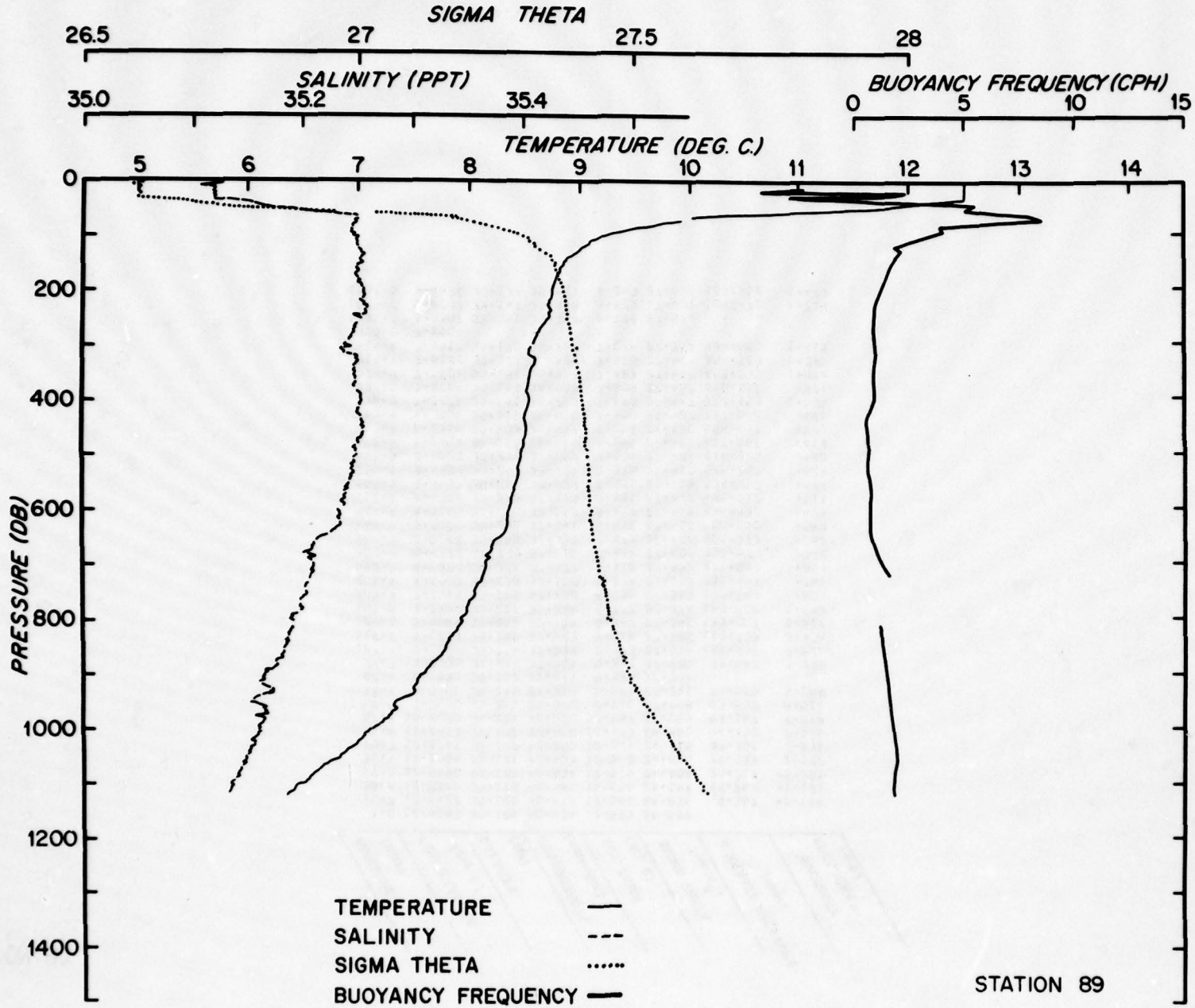
STATION 88

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/cm^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.2	11.9460						
8.1	12.5414	35.130	40.656	12.540	26.602		
13.4	12.5036	35.133	40.625	12.502	26.612	10.733	2.398
14.9	12.5016	35.133	40.623	12.500	26.612	14.167	.501
24.9	12.5031	35.131	40.628	12.500	26.611	19.917	.562
32.4	12.4881	35.131	40.617	12.484	26.614	28.667	1.173
41.0	12.2067	35.143	40.361	12.201	26.678	36.717	4.874
50.0	11.2889	35.153	39.491	11.293	26.860	45.483	5.023
57.4	10.8326	35.192	39.096	10.826	26.973	53.700	4.953
65.8	10.4537	35.206	38.751	10.446	27.052	61.617	5.450
75.5	9.9755	35.233	38.326	9.967	27.156	70.667	5.847
83.2	9.5491	35.240	37.932	9.540	27.234	79.383	5.692
91.9	9.4214	35.241	37.815	9.411	27.256	87.550	2.849
100.5	9.3513	35.241	37.753	9.340	27.268	96.200	2.100
108.1	9.2090	35.242	37.623	9.197	27.293	104.333	3.226
116.8	9.1183	35.246	37.545	9.105	27.310	112.467	2.550
126.5	9.0907	35.246	37.523	9.077	27.315	121.650	1.281
159.8	8.7450	35.221	37.189	8.728	27.351	143.167	1.888
195.8	8.6347	35.217	37.097	8.614	27.365	177.833	1.154
229.3	8.5382	35.198	37.004	8.514	27.366	212.583	.387
265.2	8.8328	35.278	37.373	8.834	27.381	247.283	1.137
299.6	8.7117	35.259	37.256	8.679	27.386	282.433	.728
333.7	8.6122	35.246	37.166	8.577	27.392	316.650	.818
366.9	8.5494	35.236	37.112	8.510	27.394	350.300	.574
410.1	8.5489	35.242	37.136	8.505	27.398	388.517	.614
443.4	8.5517	35.251	37.162	8.504	27.405	426.767	.807
475.9	8.5598	35.252	37.186	8.509	27.405	459.683	.238
511.3	8.5518	35.255	37.197	8.497	27.408	493.600	.624
548.1	8.5348	35.253	37.195	8.476	27.409	529.700	.373
583.1	8.4923	35.247	37.165	8.429	27.411	565.617	.550
619.6	8.4686	35.247	37.159	8.402	27.415	601.367	.627
654.4	8.4403	35.242	37.142	8.370	27.415	637.017	.351
690.4	8.3489	35.230	37.061	8.275	27.420	672.417	.779
724.0	8.2712	35.214	36.989	8.194	27.420	707.200	.419
761.6	8.2198	35.213	36.956	8.138	27.427	742.767	.842
797.0	8.0808	35.198	36.826	7.996	27.436	779.283	1.040
833.6	7.9728	35.190	36.734	7.885	27.447	815.283	1.057
875.4	7.8933	35.187	36.676	7.801	27.456	454.467	.958
917.3	7.7711	35.185	36.578	7.675	27.473	896.317	1.217
963.5	7.5649	35.176	36.397	7.465	27.496	940.367	1.387
1006.4	7.2857	35.165	36.147	7.184	27.529	984.917	1.698
1047.3	7.0177	35.155	35.906	6.913	27.558	1026.85	1.671
1085.7	6.7871	35.150	35.705	6.680	27.586	1066.50	1.683
1101.4	6.6771	35.145	35.606	6.570	27.598	1093.55	1.686
1117.2	6.5691	35.136	35.505	6.461	27.605	1109.33	1.438


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 88

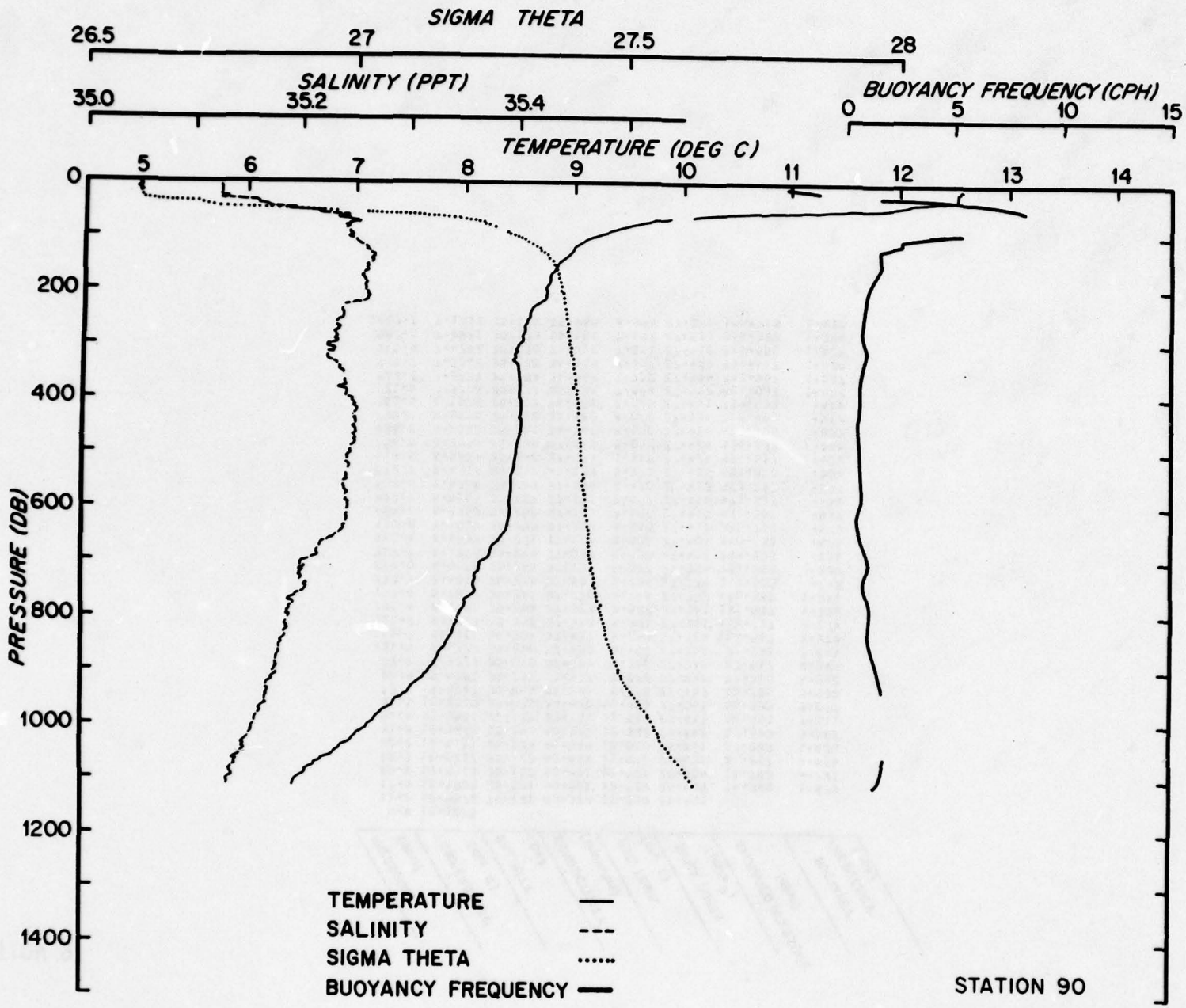
STATION 89

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmhos/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.6	15.3964						
7.8	12.5042	35.124	40.613	12.503	26.605		
8.9	12.5070	35.121	40.614	12.506	26.602	8.333	*2.446
10.9	12.5027	35.105	40.594	12.501	26.590	9.883	*4.372
19.2	12.5005	35.121	40.612	12.498	26.603	15.050	2.202
20.5	12.5007	35.122	40.614	12.498	26.604	19.883	1.500
21.9	12.5072	35.118	40.617	12.504	26.600	21.233	*3.071
31.2	12.5061	35.119	40.621	12.502	26.601	26.550	.685
41.2	12.1651	35.153	40.330	12.160	26.693	36.183	5.408
50.6	11.8532	35.167	40.048	11.847	26.765	45.917	4.901
60.4	11.0120	35.212	39.289	11.005	26.956	55.533	7.882
70.3	9.9328	35.250	38.300	9.925	27.177	65.367	8.435
80.2	9.6602	35.248	38.044	9.651	27.222	75.267	3.798
88.0	9.4237	35.244	37.819	9.414	27.259	84.100	3.890
97.5	9.2170	35.243	37.627	9.206	27.292	92.733	3.366
107.4	9.1144	35.248	37.539	9.103	27.313	102.450	2.587
115.5	9.0699	35.248	37.501	9.057	27.320	111.467	1.674
124.8	9.0101	35.250	37.450	8.997	27.331	120.150	1.980
162.2	8.8304	35.248	37.296	8.813	27.359	143.467	1.562
199.3	8.7712	35.255	37.263	8.750	27.373	180.750	1.151
236.3	8.7412	35.257	37.253	8.716	27.379	217.817	.769
274.8	8.6512	35.245	37.175	8.622	27.384	255.567	.715
314.5	8.5684	35.238	37.108	8.535	27.392	294.667	.831
353.3	8.5758	35.246	37.140	8.538	27.397	333.900	.702
406.7	8.5529	35.253	37.149	8.509	27.406	380.000	.770
446.2	8.5460	35.253	37.160	8.498	27.408	426.450	.407
487.4	8.4975	35.246	37.126	8.445	27.410	466.817	.505
526.9	8.4717	35.243	37.117	8.415	27.411	507.183	.456
567.3	8.4238	35.237	37.084	8.363	27.414	547.133	.597
609.7	8.3822	35.234	37.061	8.317	27.419	588.500	.632
650.6	8.2618	35.213	36.947	8.193	27.421	630.133	.605
690.5	8.1867	35.210	36.891	8.113	27.430	670.550	.924
728.4	8.1148	35.226	36.855	8.038	27.453	709.467	1.445
774.4	8.0224	35.197	36.762	7.941	27.445	751.400	*.639
819.0	7.9018	35.189	36.661	7.816	27.457	796.683	1.028
863.5	7.7618	35.181	36.542	7.672	27.471	841.267	1.118
901.1	7.5762	35.164	36.370	7.483	27.485	882.333	1.246
938.2	7.4292	35.160	36.245	7.333	27.503	919.667	1.350
978.7	7.2807	35.166	36.131	7.182	27.530	958.450	1.541
1019.6	7.0251	35.156	35.902	6.924	27.558	999.167	1.631
1061.3	6.7367	35.148	35.647	6.633	27.592	1040.45	1.771
1101.4	6.4806	35.136	35.417	6.375	27.617	1081.32	1.591
1112.5	6.4150	35.134	35.360	6.309	27.625	1106.95	1.616


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG. C.)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 89

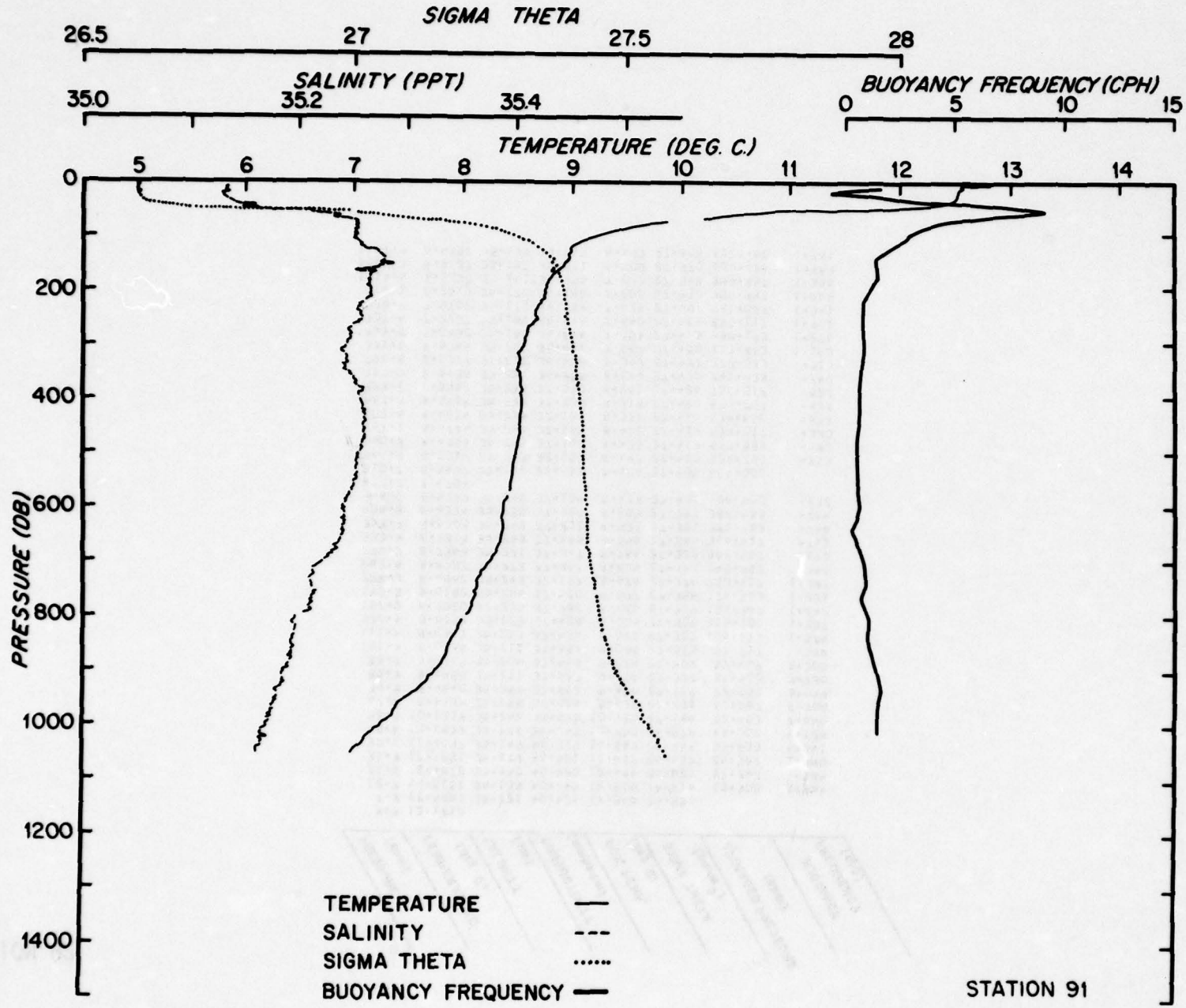
STATION 90

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
8.0	12.5263	35.125	40.636	12.529	26.602		
10.7	12.5622	35.126	40.673	12.561	26.595	9.367	.2.734
20.8	12.5584	35.118	40.665	12.556	26.589	15.767	.1.291
19.6	12.5190	35.124	40.634	12.516	26.602	20.217	.3.928
30.4	12.5064	35.131	40.634	12.502	26.610	25.033	1.537
40.3	12.0761	35.159	40.250	12.071	26.715	35.350	5.831
48.6	11.4613	35.195	39.698	11.455	26.860	44.450	7.394
57.7	10.5638	35.234	38.880	10.557	27.054	53.167	8.248
69.4	9.7190	35.245	38.091	9.711	27.209	63.533	6.514
78.7	9.5295	35.244	37.915	9.521	27.241	74.033	3.264
87.6	9.3533	35.159	37.671	9.344	27.204		
97.7	9.2130	35.247	37.626	9.202	27.295	92.667	5.349
107.4	9.1068	35.249	37.532	9.095	27.314	102.567	2.512
118.1	9.0288	35.258	37.473	9.016	27.335	112.733	2.474
128.0	9.0024	35.262	37.456	8.989	27.342	123.017	1.527
169.6	8.7952	35.258	37.275	8.777	27.372	148.800	1.542
209.9	8.7568	35.263	37.262	8.734	27.382	189.783	.935
251.4	8.6003	35.238	37.110	8.574	27.388	230.667	.741
292.3	8.5497	35.234	37.077	8.519	27.392	271.867	.655
330.8	8.4792	35.230	37.025	8.444	27.400	311.550	.872
371.9	8.5182	35.243	37.091	8.479	27.404	351.333	.566
428.2	8.5355	35.252	37.141	8.490	27.408	400.050	.545
469.7	8.5185	35.250	37.142	8.468	27.410	448.933	.428
512.6	8.4758	35.245	37.116	8.421	27.412	491.117	.514
555.5	8.4403	35.242	37.099	8.381	27.415	534.017	.547
596.1	8.4394	35.247	37.121	8.375	27.419	575.767	.624
636.6	8.4025	35.242	37.099	8.334	27.421	616.350	.485
677.5	8.2664	35.217	36.966	8.194	27.423	657.067	.613
715.8	8.1314	35.203	36.843	8.056	27.432	696.667	.990
758.3	8.0804	35.199	36.810	8.000	27.437	737.050	.695
796.0	7.9771	35.191	36.723	7.893	27.447	777.150	1.005
837.0	7.8924	35.188	36.659	7.805	27.457	816.517	.991
874.9	7.7801	35.181	36.564	7.689	27.469	855.933	1.075
914.7	7.6192	35.177	36.428	7.525	27.489	894.783	1.399
954.6	7.3917	35.170	36.227	7.294	27.517	934.650	1.615
995.2	7.1506						
1035.7	6.9007	35.151	35.789	6.798	27.571		
1075.7	6.6297	35.142	35.548	6.525	27.602	1055.70	1.716
1108.5	6.4696	35.137	35.411	6.363	27.620	1092.12	1.473


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 90

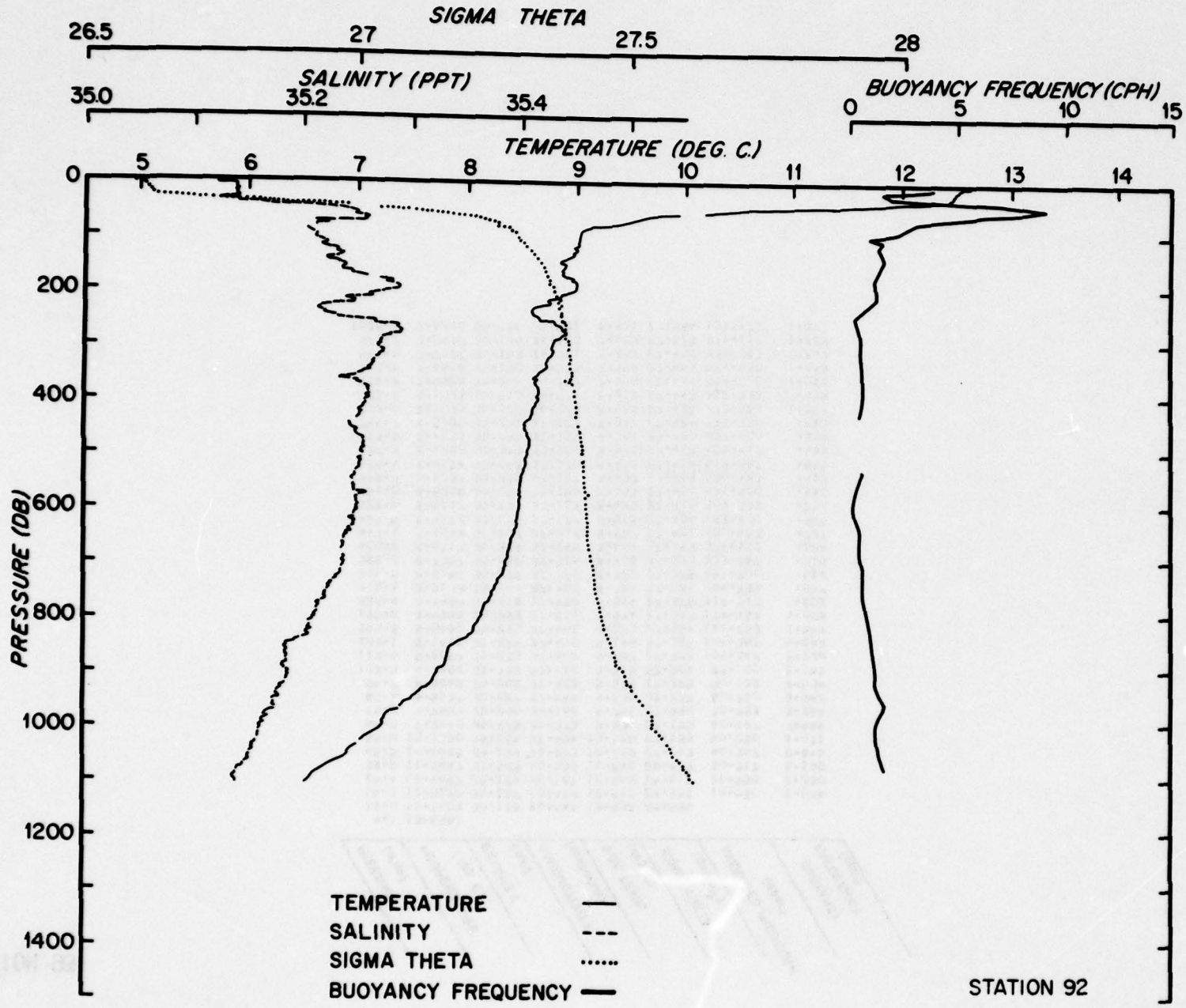
STATION 91

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m**3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
5.8	12.8275						
11.2	12.5572	35.131	40.674	12.556	26.600		
17.4	12.5315	35.131	40.651	12.529	26.605	14.300	1.579
20.2	12.5313	35.130	40.651	12.529	26.604	18.783	.721
22.3	12.5287	35.129	40.649	12.526	26.604	21.217	.624
32.3	12.5141	35.134	40.645	12.510	26.611	27.283	1.520
41.8	12.3880	35.142	40.535	12.382	26.642	37.033	3.222
51.5	11.5531	35.159	39.752	11.547	26.815	46.650	7.511
61.1	10.5005	35.233	38.820	10.493	27.064	56.333	9.077
72.4	9.8747	35.253	38.248	9.866	27.189	66.750	5.939
82.3	9.5393	35.252	37.933	9.530	27.245	77.350	4.242
92.8	9.3203	35.252	37.731	9.310	27.282	87.567	3.346
101.5	9.1799	35.250	37.600	9.169	27.303	97.133	2.846
111.7	9.0618	35.254	37.497	9.050	27.326	106.567	2.679
121.8	8.9938	35.259	37.442	8.981	27.341	116.717	2.179
161.4	8.8491	35.256	37.320	8.832	27.361	141.567	1.312
199.8	8.7673	35.266	37.270	8.746	27.382	180.583	1.341
239.8	8.6840	35.256	37.201	8.658	27.388	219.800	.749
278.0	8.6070	35.248	37.137	8.577	27.394	258.883	.730
319.7	8.5398	35.244	37.089	8.506	27.401	298.833	.806
360.4	8.5433	35.251	37.117	8.505	27.406	340.033	.671
413.0	8.5536	35.259	37.158	8.510	27.411	386.700	.573
454.1	8.5363	35.260	37.161	8.488	27.415	433.567	.598
493.7	8.5103	35.257	37.151	8.457	27.416	473.883	.449
533.8	8.4768	35.253	37.134	8.420	27.419	513.717	.537
572.7	8.4318	35.247	37.103	8.370	27.421	553.250	.505
616.5	8.3854	35.242	37.074	8.319	27.424	594.617	.602
656.0	8.3689	35.238	37.073	8.299	27.424	636.233	.226
698.2	8.2542	35.221	36.967	8.180	27.428	677.100	.695
739.4	8.1508	35.212	36.880	8.072	27.436	718.800	.919
780.5	8.1077	35.209	36.855	8.025	27.441	759.933	.689
821.6	7.9708	35.197	36.734	7.884	27.452	801.033	1.052
863.2	7.8798	35.194	36.664	7.789	27.464	842.367	1.027
905.7	7.7012	35.185	36.508	7.607	27.483	884.417	1.328
945.6	7.4782	35.180	36.312	7.381	27.512	925.650	1.628
987.0	7.2971	35.173	36.156	7.197	27.533	966.333	1.396
1029.2	7.1012	35.165	35.985	6.998	27.554	1008.13	1.415


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG. C.)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 91

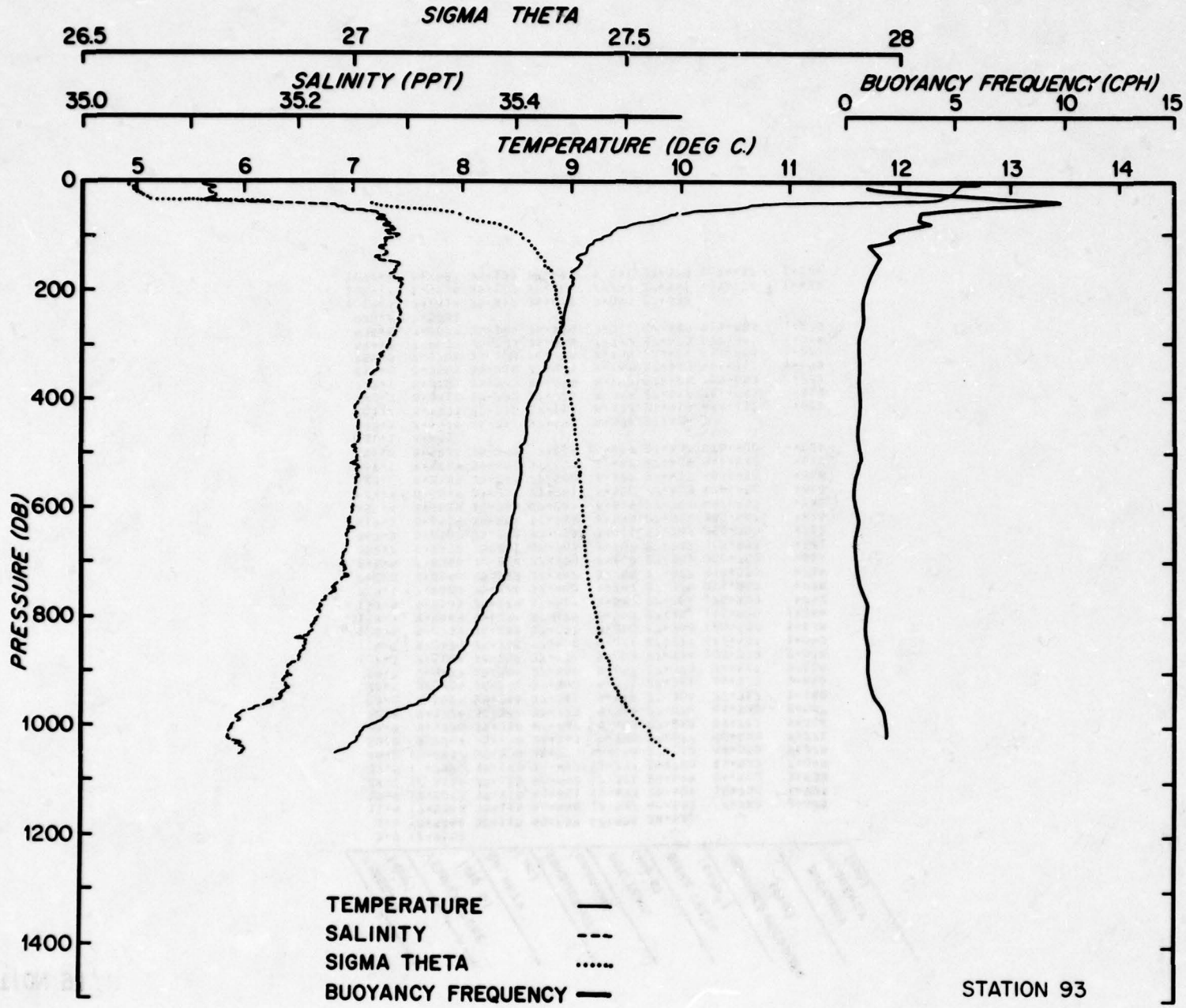
STATION 92

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
3.9	13.1712						
7.9	12.5663	35.121	40.671	12.565	26.590		
12.7	12.5181	35.139	40.665	12.516	26.614	10.300	3.954
21.8	12.4872	35.140	40.620	12.484	26.621	17.267	1.584
31.3	12.4231	35.139	40.561	12.419	26.632	26.567	1.980
39.6	11.8537	35.143	40.019	11.849	26.745	35.433	5.591
48.4	10.7859	35.188	39.043	10.780	26.978	44.000	3.129
56.5	10.1319	35.242	38.475	10.125	27.136	52.483	7.864
67.2	9.6429	35.255	38.028	9.635	27.231	61.867	5.306
76.9	9.4640	35.254	37.862	9.455	27.259	72.050	3.089
85.3	9.1455	35.211	37.523	9.136	27.279	81.100	2.730
93.8	9.0363	35.206	37.419	9.026	27.293	89.567	2.308
101.6	9.0459	35.211	37.437	9.035	27.295	97.717	.998
111.8	9.0329	35.219	37.436	9.021	27.303	106.683	1.574
120.4	9.0174	35.222	37.428	9.004	27.308	116.100	1.387
157.5	8.9020	35.238	37.352	8.885	27.339	138.967	1.667
192.3	9.0180	35.284	37.520	8.997	27.356	174.883	1.231
228.0	8.6982	35.243	37.197	8.674	27.376	210.117	1.397
263.8	8.8123	35.273	37.367	8.804	27.377	245.883	.342
299.3	8.7968	35.271	37.347	8.764	27.382	281.567	.673
333.9	8.7318	35.263	37.295	8.696	27.386	316.617	.711
368.7	8.6308	35.249	37.201	8.591	27.391	351.283	.746
404.3	8.6334	35.258	37.230	8.589	27.397	388.483	.764
444.7	8.5349	35.242	37.138	8.487	27.400	426.500	.632
477.3	8.5754						
510.7	8.5487	35.250	37.189	8.494	27.405	494.000	
544.5	8.5017	35.247	37.157	8.443	27.410	527.750	.753
580.9	8.4958	35.249	37.169	8.433	27.412	562.883	.690
617.1	8.4784	35.245	37.165	8.412	27.412	599.017	.330
652.6	8.4214	35.239	37.121	8.351	27.416	634.850	.673
687.9	8.3918	35.238	37.108	8.318	27.420	670.267	.658
723.1	8.3382	35.235	37.070	8.261	27.426	705.517	.823
759.0	8.2438	35.221	36.985	8.163	27.430	741.033	.740
796.2	8.1478	35.212	36.902	8.063	27.437	777.583	.918
831.6	8.0349	35.206	36.807	7.947	27.450	813.883	1.102
866.8	7.8452	35.186	36.626	7.754	27.463	849.183	1.238
903.4	7.7337	35.189	36.540	7.640	27.481	885.117	1.351
938.7	7.5707	35.179	36.394	7.474	27.497	921.083	1.341
975.1	7.3013	35.170	36.152	7.202	27.530	956.933	1.828
1014.6	7.1237	35.161	35.996	7.022	27.548	994.867	1.355
1055.3	6.9137	35.152	35.811	6.809	27.570	1034.95	1.464
1097.9	6.5497	35.139	35.519	6.443	27.605	1076.62	1.791


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG. C.)
0
5
6
7
8
9
10
11
12
13
14
200
400
600
800
1000
1200
1400
PRESSURE (DB)
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 92

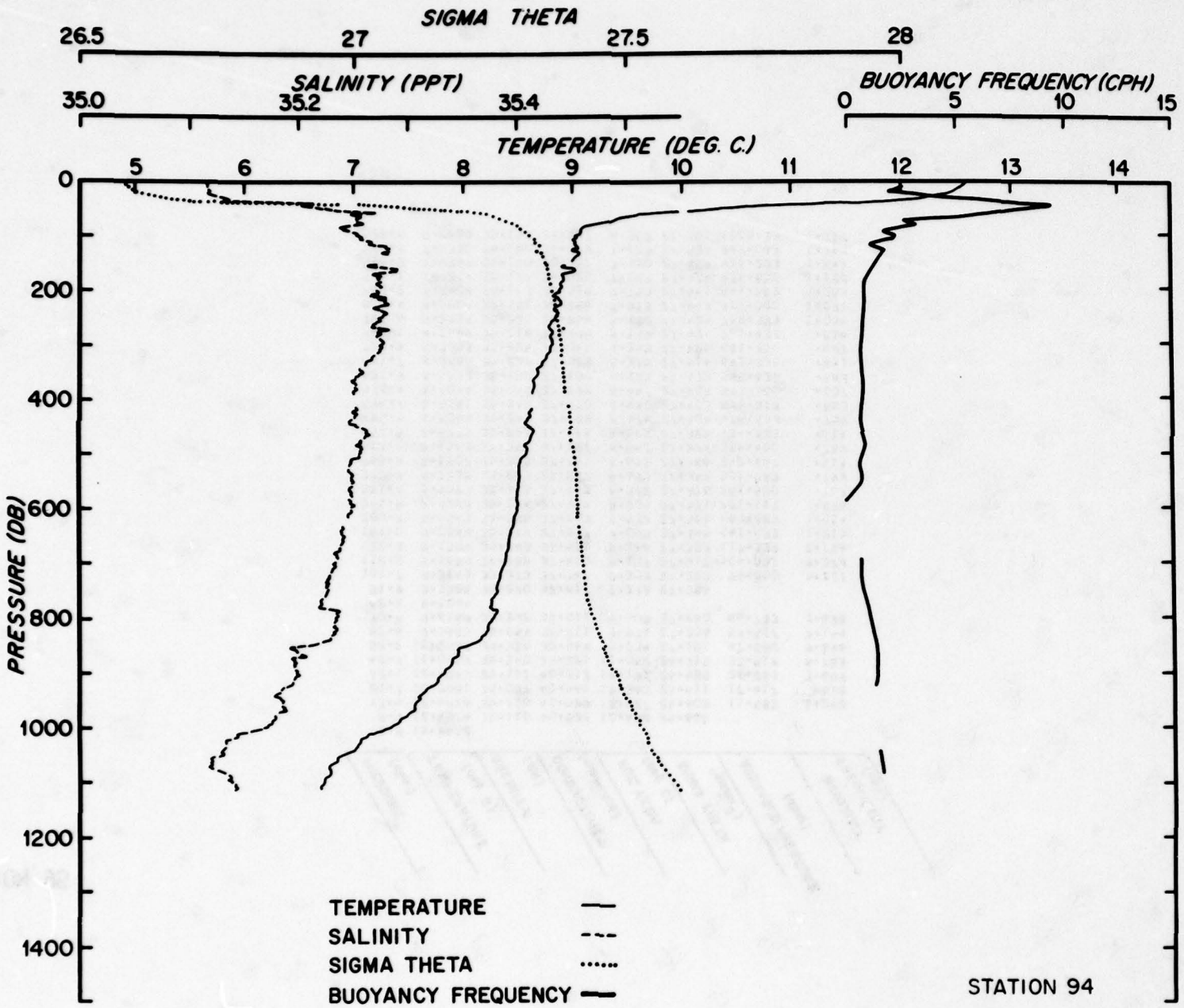
STATION 93

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.1	13.6361						
11.6	12.5400	35.122	40.648	12.538	26.596		
16.5	12.5129	35.117	40.619	12.511	26.598	14.050	1.075
25.4	12.4687	35.124	40.587	12.465	26.612	20.950	2.230
35.2	11.8849	35.129	40.033	11.880	26.729	30.317	6.150
45.5	10.6245	35.234	38.933	10.619	27.043	40.367	9.845
55.0	10.1320	35.264	38.496	10.126	27.153	50.250	6.071
65.9	9.9440	35.275	38.333	9.936	27.195	60.467	3.486
75.9	9.7599	35.280	38.168	9.751	27.230	70.933	3.364
85.6	9.5137	35.287	37.944	9.504	27.277	80.750	3.929
94.7	9.3859	35.282	37.823	9.375	27.295	90.133	2.506
103.5	9.3602	35.292	37.812	9.349	27.306	99.100	2.041
113.6	9.2097	35.280	37.662	9.197	27.322	108.557	2.232
123.1	9.1614	35.274	37.615	9.148	27.325	118.367	1.063
160.5	9.0690	35.291	37.561	9.051	27.354	141.783	1.589
198.5	8.9958	35.293	37.511	8.974	27.367	179.467	1.099
238.6	8.9498	35.293	37.484	8.924	27.375	218.517	.802
271.1	8.9133	35.294	37.467	8.888	27.381	254.833	.847
314.5	8.8159	35.279	37.380	8.782	27.385	292.800	.615
352.0	8.7397	35.269	37.316	8.702	27.390	333.267	.715
400.2	8.6517	35.259	37.245	8.609	27.395	376.133	.684
443.1	8.6044	35.257	37.217	8.557	27.401	421.667	.727
484.5	8.5672	35.253	37.197	8.515	27.404	463.800	.566
522.6	8.5517	35.257	37.203	8.495	27.410	503.533	.727
561.0	8.5288	35.254	37.196	8.468	27.411	541.800	.460
599.9	8.5039	35.251	37.187	8.439	27.413	580.483	.419
638.6	8.4694	35.249	37.170	8.400	27.416	619.267	.641
678.2	8.4382	35.245	37.154	8.365	27.418	658.417	.486
715.8	8.4238	35.245	37.157	8.346	27.420	697.000	.504
754.7	8.3305	35.231	37.073	8.249	27.424	735.250	.710
793.0	8.2136	35.222	36.972	8.129	27.435	773.883	1.097
832.8	8.1003	35.210	36.871	8.012	27.443	812.933	.899
872.2	7.9923	35.204	36.782	7.900	27.454	852.500	1.085
911.1	7.8518	35.190	36.655	7.756	27.465	891.650	1.048
951.0	7.7077	35.183	36.531	7.609	27.480	931.083	1.239
991.2	7.2837	35.146	36.120	7.183	27.513	971.117	1.829
1032.3	7.0240	35.150	35.901	6.921	27.554	1011.73	1.897


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C.)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 93

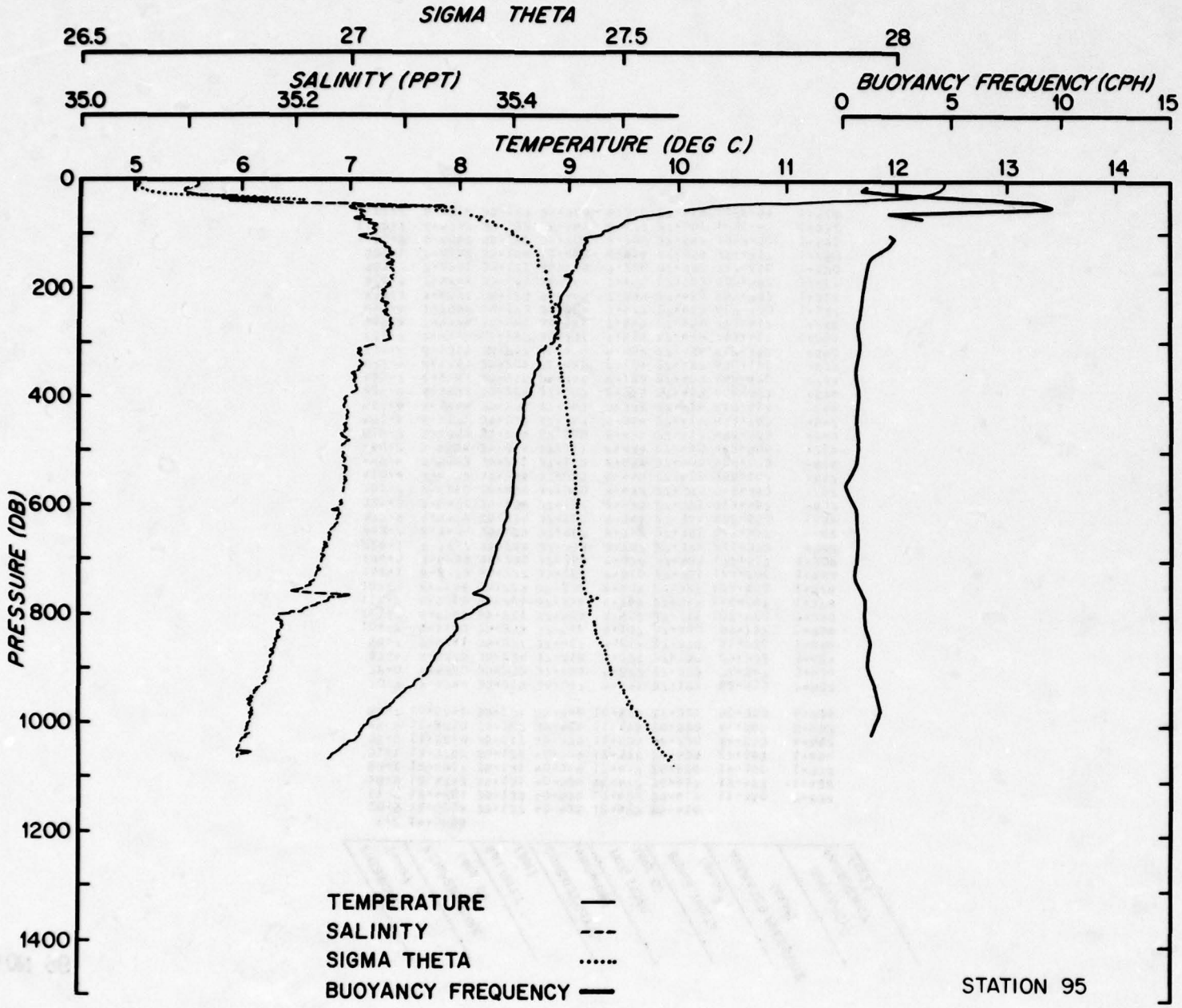
STATION 94

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmhos/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m**3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
3.9	12.9162						
6.4	12.5866	35.115	40.084	12.586	26.582		
11.4	12.5383	35.116	40.040	12.537	26.592	8.983	2.495
19.8	12.5015	35.118	40.011	12.499	26.601	15.700	1.904
29.2	12.3152	35.126	40.443	12.311	26.644	24.500	3.803
37.9	11.7990	35.173	39.997	11.794	26.780	33.533	7.048
46.2	10.6937	35.209	38.975	10.688	27.012	42.050	9.378
55.0	9.9968	35.239	38.343	9.990	27.157	50.600	7.271
64.5	9.4920	35.258	37.887	9.485	27.258	59.717	5.816
72.6	9.3784	35.254	37.773	9.364	27.275	68.533	2.557
82.0	9.1529	35.246	37.561	9.144	27.304	77.317	3.160
90.4	9.0904	35.242	37.502	9.081	27.311	86.233	1.666
98.8	9.0779	35.254	37.506	9.067	27.323	94.617	2.108
107.3	9.0144	35.255	37.451	9.003	27.334	103.033	2.088
115.7	9.0439	35.265	37.492	9.031	27.337	111.467	1.045
125.4	9.0739	35.282	37.541	9.060	27.346	120.533	1.658
158.5	8.9863	35.284	37.475	8.969	27.361	141.950	1.246
193.5	8.9136	35.275	37.414	8.893	27.366	175.983	.742
229.1	8.8823	35.276	37.402	8.857	27.372	211.267	.775
263.0	8.8163	35.269	37.347	8.788	27.377	246.050	.714
298.5	8.8388	35.278	37.393	8.806	27.381	280.750	.614
332.7	8.7427	35.261	37.303	8.707	27.383	315.583	.581
367.8	8.6503	35.248	37.219	8.611	27.387	350.250	.712
419.1	8.6408	35.254	37.239	8.596	27.394	393.467	.678
455.4	8.6629	35.263	37.284	8.614	27.397	437.267	.562
489.9	8.6049	35.259	37.241	8.552	27.403	472.650	.836
523.0	8.5353	35.248	37.180	8.479	27.405	506.450	.568
559.1	8.5289	35.251	37.193	8.469	27.409	541.033	.615
594.7	8.5278	35.250	37.206	8.464	27.408	576.900	.026
631.1	8.4812						
668.4	8.4478	35.241	37.155	8.376	27.414		
703.7	8.3978	35.235	37.117	8.322	27.416	686.117	.612
740.3	8.3413	35.227	37.073	8.262	27.419	721.983	.613
779.1	8.2759	35.223	37.025	8.192	27.426	759.683	.829
818.0	8.2548	35.236	37.034	8.167	27.439	798.517	1.083
858.5	7.9758	35.200	36.758	7.845	27.454	838.250	1.277
896.2	7.8627	35.203	36.670	7.769	27.473	877.350	1.345
935.6	7.6677	35.186	36.490	7.571	27.489	915.883	1.279
976.0	7.5231						
1014.8	7.1614	35.147	36.018	7.060	27.532		
1054.7	6.8916	35.123	35.764	6.787	27.551	1034.78	1.439
1094.3	6.7687	35.138	35.681	6.661	27.579	1074.52	1.598


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG. C.)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 94

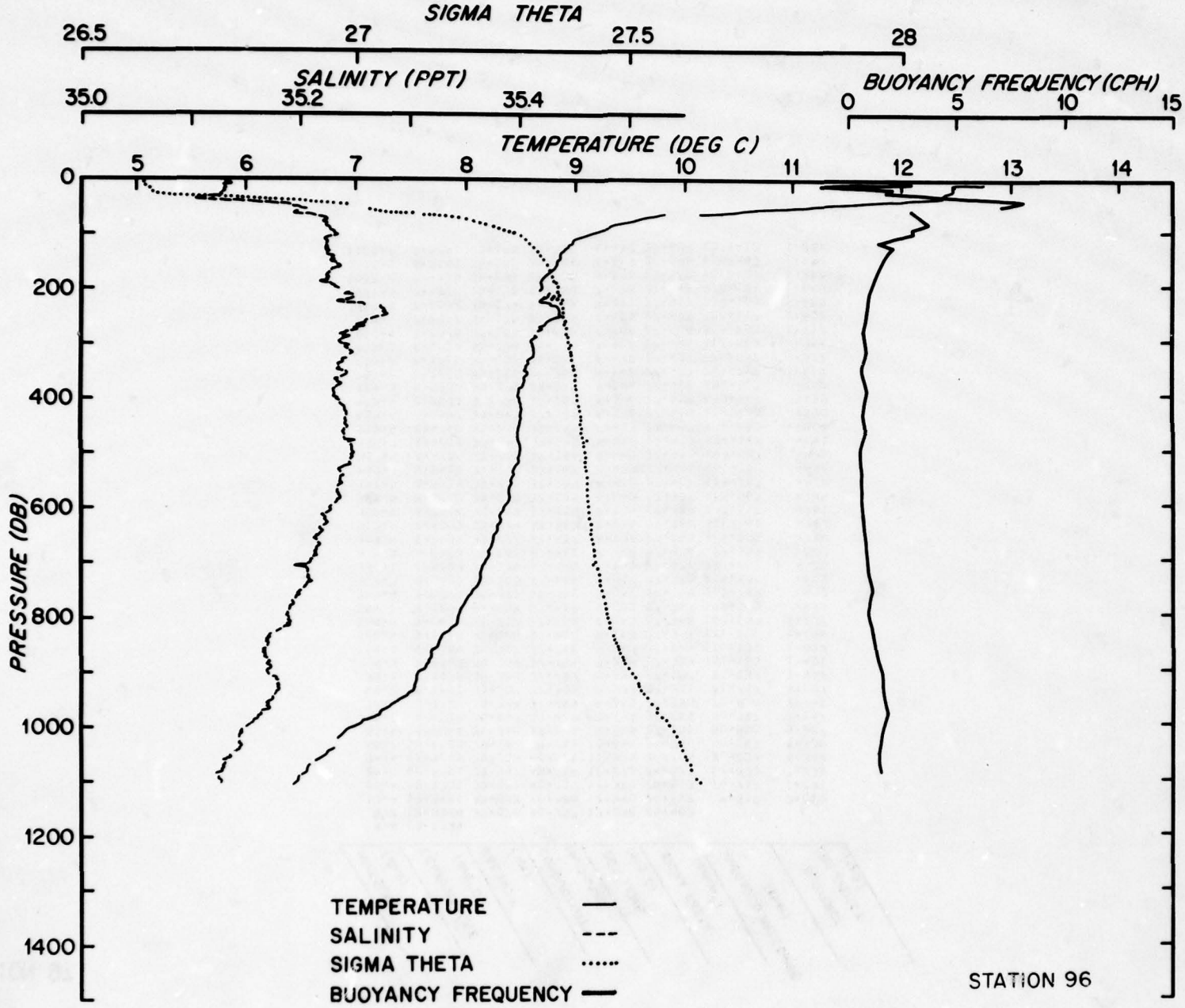
STATION 95

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/l)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
3.9	14.9612						
9.6	12.4336	35.110	40.532	12.432	26.608		
13.6	12.4286	35.110	40.529	12.427	26.609	11.583	1.043
21.7	12.3681	35.097	40.461	12.365	26.611	17.617	.832
32.1	12.1949	35.111	40.312	12.191	26.655	26.883	3.689
42.9	11.0869	35.180	39.321	11.082	26.918	37.517	8.783
52.2	10.2397	35.336	38.669	10.234	27.191	47.583	9.646
62.8	9.8283	35.264	38.211	9.821	27.206	57.517	2.144
70.8	9.6169	35.262	38.011	9.609	27.240	66.783	3.698
82.2	9.5084						
91.9	9.3925	35.270	37.817	9.382	27.284		
101.7	9.3140	35.273	37.749	9.303	27.299	96.800	2.227
112.0	9.1693	35.285	37.610	9.157	27.317	106.833	2.373
122.3	9.1594	35.283	37.621	9.146	27.332	117.133	2.164
161.0	9.0866	35.289	37.577	9.069	27.349	141.633	1.215
200.5	8.9943	35.285	37.503	8.972	27.361	180.883	1.014
241.5	8.9298	35.284	37.459	8.904	27.371	221.117	.896
281.4	8.9023	35.285	37.453	8.872	27.376	261.550	.707
322.3	8.7338	35.259	37.287	8.699	27.382	301.983	.793
363.6	8.6902	35.255	37.261	8.651	27.386	342.967	.614
413.2	8.6063	35.247	37.197	8.562	27.394	388.400	.759
455.5	8.5775	35.247	37.188	8.528	27.398	434.333	.614
495.9	8.5288	35.245	37.158	8.476	27.404	475.693	.759
536.7	8.5181	35.249	37.170	8.460	27.409	516.317	.660
578.4	8.5044	35.245	37.172	8.442	27.408	557.550	.107
620.9	8.4533	35.240	37.138	8.386	27.412	599.633	.643
661.7	8.3856	35.232	37.085	8.315	27.416	641.300	.691
700.8	8.3303	35.226	37.044	8.255	27.420	681.250	.637
742.1	8.2689	35.216	36.995	8.189	27.421	721.433	.514
782.4	8.2138	35.221	36.966	8.130	27.434	762.333	1.034
823.4	8.0004	35.191	36.756	7.913	27.443	803.000	1.021
865.2	7.8408	35.183	36.618	7.750	27.461	844.283	1.268
906.1	7.7217	35.177	36.520	7.627	27.474	885.650	1.129
946.3	7.6867	35.165	36.307	7.390	27.499	926.233	1.549
987.8	7.2260	35.160	36.079	7.126	27.533	967.083	1.743
1028.8	7.0602	35.153	35.937	6.957	27.551	1008.33	1.319


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 95

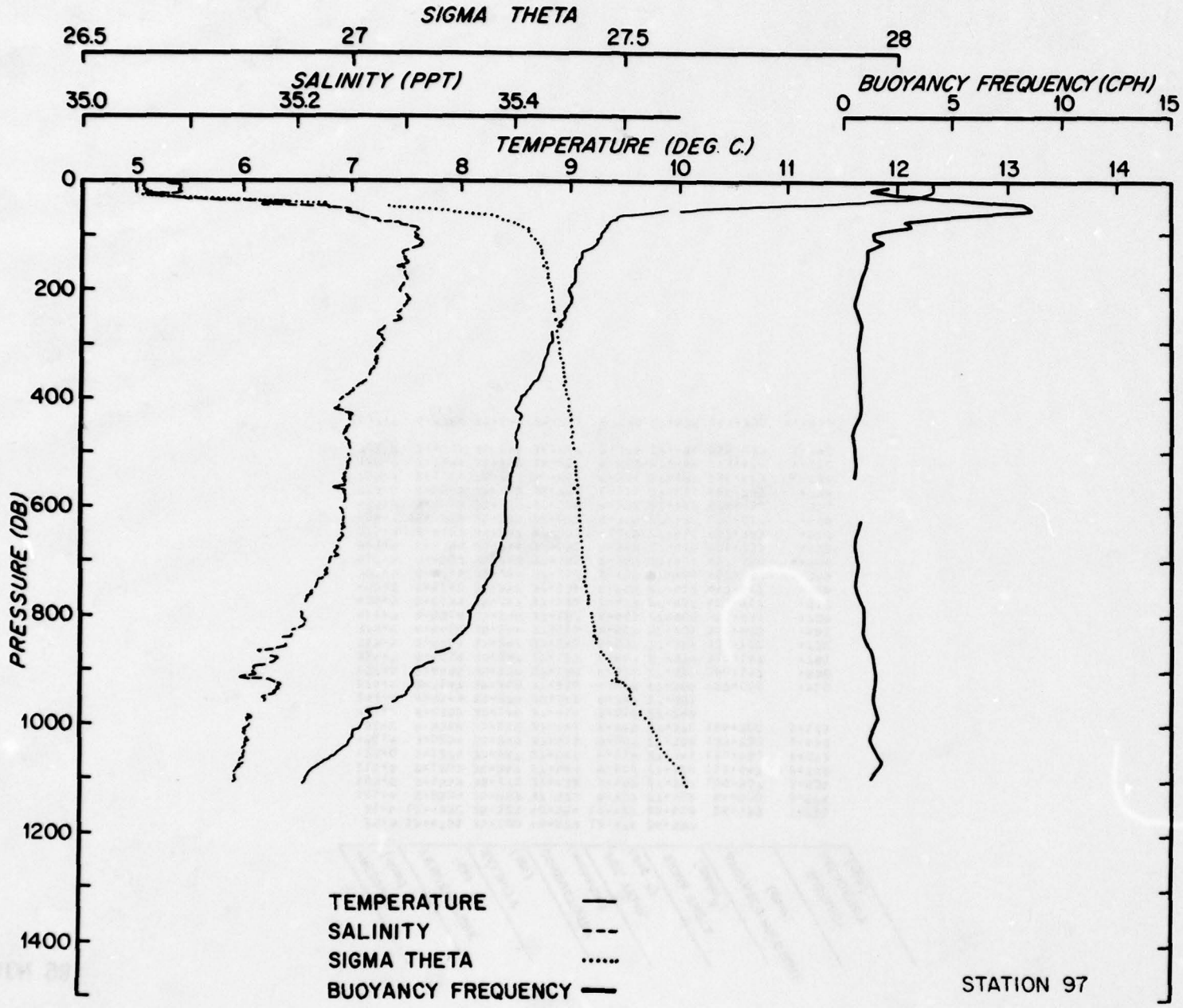
STATION 96

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmhos/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/kg³)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.2	14.0858						
10.8	12.5006	35.137	40.625	12.499	26.616		
11.9	12.4701	35.133	40.592	12.469	26.619	11.350	2.892
15.0	12.4742	35.131	40.596	12.472	26.617	13.483	*1.422
23.1	12.4217	35.131	40.548	12.419	26.626	19.050	1.979
31.1	12.3757	35.128	40.504	12.372	26.633	27.067	1.658
38.0	11.8310	35.117	39.970	11.826	26.730	34.533	6.662
45.9	11.2510	35.187	39.486	11.245	26.393	41.967	8.059
54.7	10.5841	35.201	38.866	10.578	27.025	50.300	6.934
70.9	9.6988	35.219	38.047	9.691	27.192	58.500	2.903
79.0	9.5320	35.220	37.895	9.523	27.222	74.967	3.436
87.4	9.3375	35.224	37.718	9.328	27.257	83.233	3.659
95.7	9.2241	35.227	37.617	9.214	27.278	91.550	2.886
103.9	9.1179	35.233	37.526	9.107	27.300	99.767	2.965
111.7	8.9953	35.221	37.403	8.983	27.311	107.800	2.060
119.8	8.9813	35.224	37.396	8.968	27.315	115.767	1.374
127.9	8.9168	35.223	37.338	8.903	27.325	123.850	1.976
161.1	8.8273	35.237	37.282	8.810	27.351	144.500	1.583
194.5	8.6988	35.230	37.169	8.678	27.365	177.817	1.209
228.1	8.7817	35.258	37.289	8.757	27.374	211.333	.923
263.2	8.7404	35.259	37.267	8.712	27.381	245.667	.852
295.9	8.5978	35.234	37.123	8.566	27.384	279.550	.636
331.0	8.5802	35.238	37.127	8.545	27.391	313.467	.809
365.7	8.5310	35.232	37.090	8.492	27.393	348.383	.567
410.6	8.4992	35.236	37.085	8.455	27.402	388.167	.817
445.6	8.5063	35.242	37.113	8.459	27.405	428.083	.618
480.2	8.4858	35.244	37.111	8.434	27.410	462.900	.715
515.9	8.4804	35.246	37.123	8.425	27.412	498.083	.469
551.6	8.4171	35.235	37.069	8.358	27.414	533.767	.547
587.6	8.3948	35.234	37.063	8.332	27.416	569.617	.544
624.5	8.3293	35.224	37.009	8.263	27.419	606.083	.598
660.7	8.2563	35.215	36.948	8.186	27.423	642.600	.724
699.5	8.1784	35.208	36.885	8.104	27.429	680.100	.808
735.2	8.1318	35.207	36.856	8.054	27.436	717.350	.840
771.7	7.9998	35.195	36.737	7.919	27.446	753.417	1.065
809.2	7.9296	35.191	36.684	7.845	27.454	790.417	.888
845.6	7.7594	35.173	36.524	7.672	27.465	827.400	1.137
882.3	7.6597	35.173	36.448	7.569	27.480	863.983	1.219
918.8	7.5442	35.181	36.364	7.450	27.503	900.550	1.514
955.5	7.3231	35.171	36.165	7.226	27.528	937.150	1.590
994.1	7.0152	35.156	35.882	6.916	27.559	974.817	1.790
1030.9	6.8098	35.149	35.702	6.709	27.582	1012.50	1.551
1072.2	6.5757	35.132	35.489	6.472	27.601	1051.55	1.392
1101.2	6.4312	35.129	35.366	6.326	27.619	1086.64	1.528


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 96

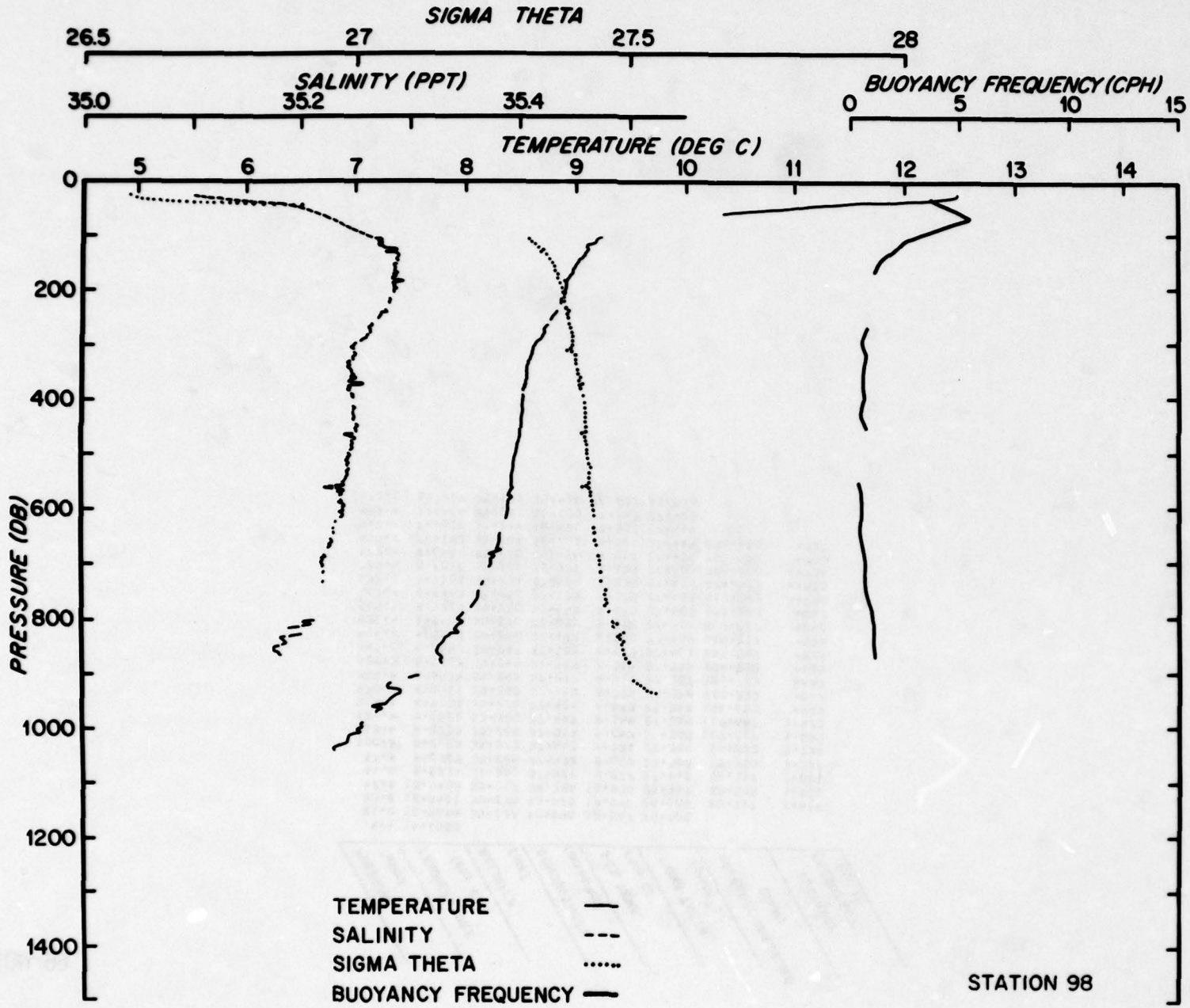
STATION 97

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/kg^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.2	13.7336						
5.2	12.3326	35.076	40.397	12.332	26.602		
13.4	12.3421	35.092	40.426	12.340	26.612	9.317	2.010
16.4	12.3301	35.091	40.415	12.328	26.613	14.917	1.291
26.0	12.2361	35.087	40.324	12.233	26.628	21.233	2.238
34.4	11.9089	35.105	40.031	11.904	26.705	30.233	5.392
45.7	10.8520	35.167	39.084	10.846	26.950	40.067	5.306
55.4	9.9044	35.249	38.266	9.898	27.181	50.550	5.687
65.3	9.4532	35.257	37.849	9.446	27.264	60.367	5.147
76.3	9.3739	35.274	37.795	9.365	27.290	70.800	2.781
86.2	9.3461	35.307	37.805	9.337	27.321	81.217	3.123
96.1	9.3170	35.309	37.783	9.306	27.327	91.133	1.363
106.3	9.2805	35.309	37.754	9.269	27.333	101.183	1.401
116.0	9.2554	35.317	37.742	9.243	27.343	111.133	1.859
126.4	9.1818	35.306	37.667	9.168	27.347	121.200	1.155
168.0	9.0612	35.300	37.566	9.043	27.362	147.183	1.102
194.1	9.0244	35.299	37.542	9.003	27.367	181.050	.838
209.4	9.0244	35.301	37.551	9.001	27.369	201.783	.640
224.3	9.0320	35.305	37.568	9.007	27.370	216.850	.561
240.1	8.9423	35.296	37.520	8.956	27.371	232.200	.620
275.0	8.8663	35.280	37.411	8.836	27.378	257.583	.820
303.4	8.8298	35.277	37.387	8.797	27.382	289.233	.718
319.5	8.8003	35.274	37.363	8.766	27.384	311.467	.733
355.5	8.7418	35.269	37.319	8.703	27.389	337.517	.731
395.6	8.6022	35.248	37.186	8.560	27.395	375.567	.794
441.9	8.5599	35.251	37.169	8.512	27.404	418.767	.825
480.4	8.5406	35.250	37.167	8.489	27.406	461.150	.484
517.4	8.5188	35.250	37.164	8.463	27.410	498.867	.636
555.9	8.4818	35.247	37.143	8.422	27.413	536.617	.591
593.8	8.4766	35.238	37.146	8.413	27.407	574.850	.652
633.6	8.4447	35.243	37.139	8.376	27.416	613.700	.908
673.4	8.3988	35.238	37.109	8.326	27.419	653.467	.610
714.3	8.3203	35.230	37.045	8.244	27.425	693.817	.752
757.2	8.2258	35.215	36.961	8.145	27.427	735.717	.619
796.2	8.1216	35.207	36.873	8.037	27.437	776.667	.997
839.0	8.0059	35.196	36.774	7.917	27.446	817.583	.942
880.8	7.7975	35.184	36.586	7.706	27.468	859.900	1.413
919.4	7.5877	35.179	36.402	7.493	27.495	900.117	1.609
958.8	7.4093	35.174	36.249	7.311	27.517	939.100	1.458
997.6	7.1277	35.158	35.990	7.028	27.546	978.183	1.685
1038.9	6.9898	35.156	35.878	6.896	27.563	1018.23	1.268
1076.0	6.7141	35.150	35.634	6.609	27.596	1057.43	1.860
1106.2	6.5942	35.145	35.531	6.487	27.609	1091.12	1.256


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG. C.)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 97

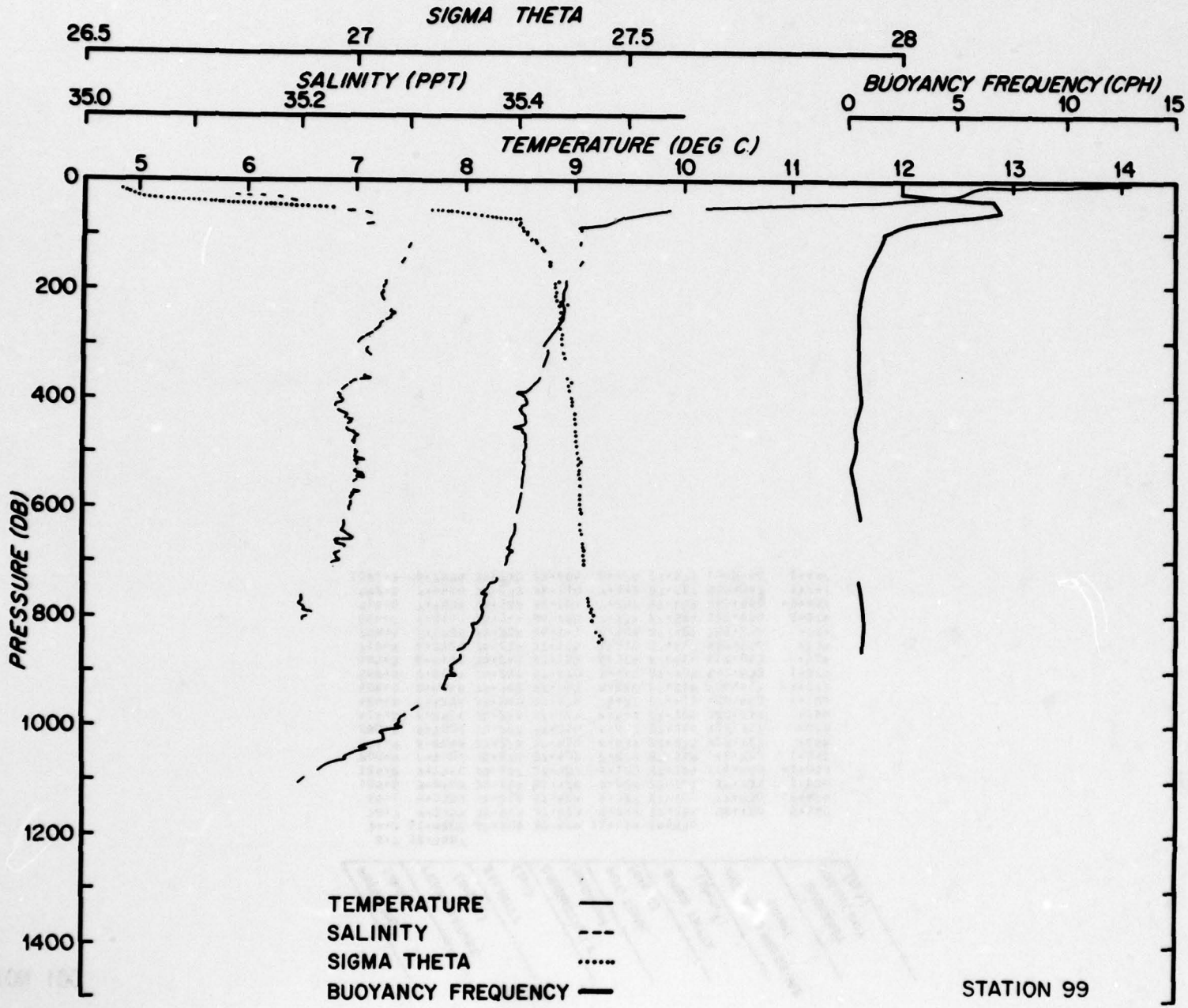
STATION 98

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m 3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
25.5	12.4791	35.100	40.573	12.476	26.592		
31.6	12.4332	35.123	40.554	12.429	26.618	28.533	3.710
101.6	9.2504	35.263	37.679	9.239	27.302	66.600	5.574
109.5	9.1949	35.271	37.638	9.183	27.317	105.567	2.506
115.8	9.1203	35.269	37.569	9.108	27.328	112.667	2.363
125.0	9.1276	35.287	37.597	9.114	27.341	120.433	2.093
151.4	9.0254	35.288	37.513	9.009	27.358	138.200	1.482
181.2	8.9388	35.285	37.441	8.919	27.370	166.300	1.133
211.2	9.0355	35.146	37.414	9.012	27.246		
243.5	8.8143	35.274	37.342	8.789	27.381		
274.6	8.7187	35.263	37.256	8.689	27.388	259.050	.910
297.6	8.6435	35.250	37.183	8.612	27.390	286.117	.592
324.7	8.6018	35.247	37.153	8.567	27.394	311.167	.781
349.5	8.5764	35.247	37.140	8.539	27.398	337.100	.732
375.9	8.5416	35.244	37.116	8.502	27.401	362.683	.661
411.9	8.5318	35.248	37.127	8.488	27.406	393.867	.709
436.0	8.5199	35.247	37.126	8.473	27.407	423.917	.512
460.3	8.5142	35.252	37.136	8.465	27.412	448.117	.815
355.1	8.4768	35.314	37.112	8.439	27.466	407.683	*1.255
518.9	8.4503	35.242	37.093	8.395	27.414	437.000	**.966
543.6	8.4398	35.241	37.092	8.382	27.415	531.233	.318
571.2	8.4103	35.237	37.073	8.349	27.416	557.383	.572
608.9	8.3914	35.239	37.073	8.326	27.420	590.067	.536
659.5	8.3223	35.229	37.022	8.252	27.423	634.233	.550
713.0	8.1868	35.212	36.902	8.111	27.431	686.283	.798
759.9	8.1149	35.208	36.852	8.034	27.439	736.483	.835
826.9	7.8694	35.192	36.637	7.783	27.464	793.400	1.180
903.2	7.4304	35.144	36.217	7.338	27.491	865.033	1.240
1037.5	6.8348	35.143	35.723	6.773	27.578	847.350	*1.433


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
0
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 98

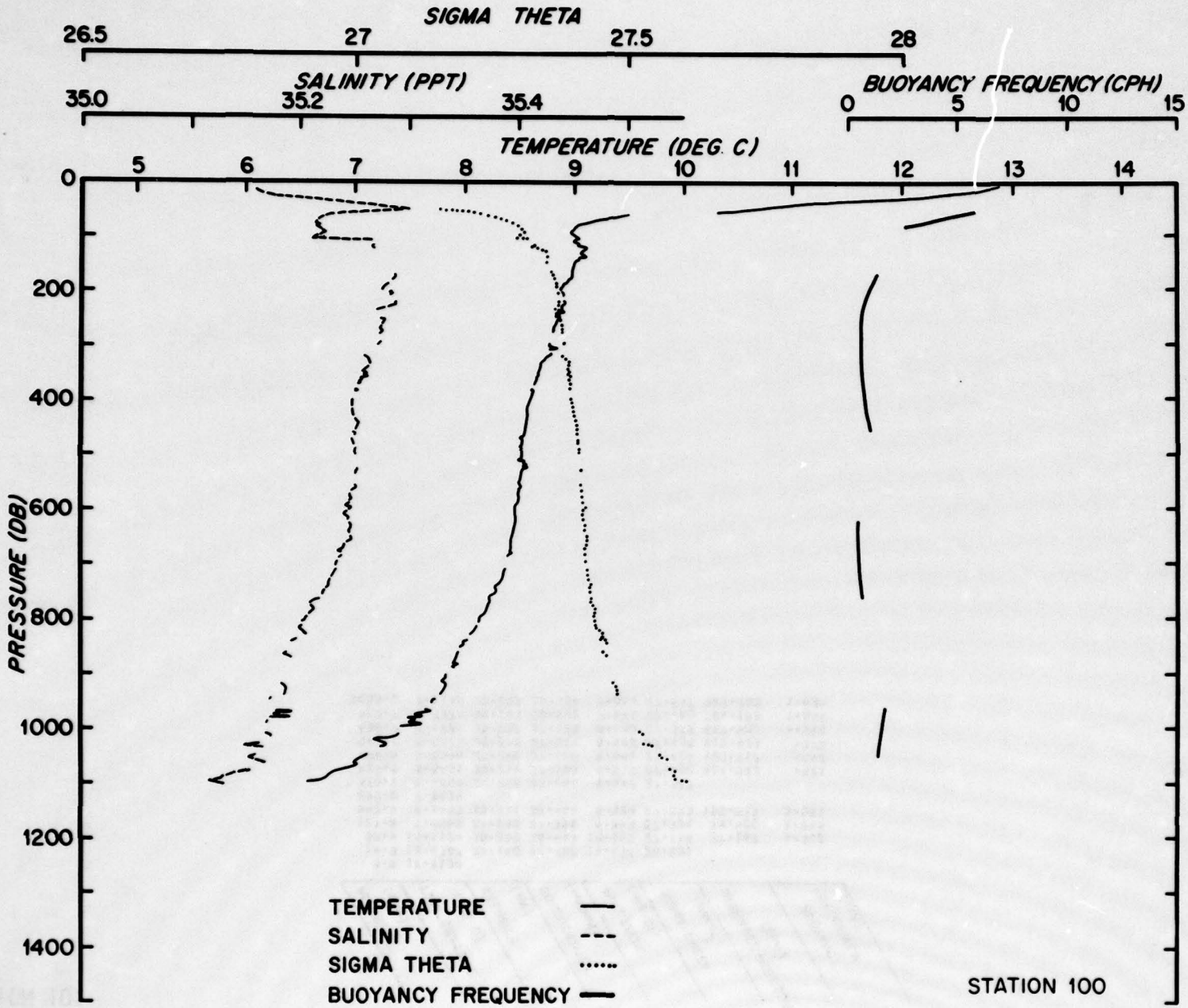
STATION 99

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
4.4	14.1033						
21.0	12.5696	35.137	40.096	12.567	26.602		
23.6	12.5481	35.139	40.079	12.545	26.608	22.317	2.679
47.6	10.5403	35.117	38.738	10.535	26.967	35.583	6.900
64.5	9.5839	35.261	37.977	9.577	27.245	56.017	7.221
87.4	9.0329	35.226	37.432	9.023	27.308	75.950	2.987
100.6	9.2023	35.279	37.648	9.191	27.322	94.033	1.794
113.4	9.0710	35.268	37.519	9.059	27.335	107.017	1.820
125.9	9.1621	35.300	37.642	9.148	27.345	119.667	1.630
203.4	8.9108	35.276	37.416	8.889	27.367	164.650	.989
275.2	8.8261	35.269	37.363	8.796	27.376	239.283	.677
368.4	8.6578	35.249	37.227	8.618	27.387	321.783	.687
429.5	8.5613	35.244	37.159	8.515	27.398	398.933	.826
467.0	8.5693	35.249	37.188	8.519	27.401	448.267	.526
504.4	8.5543	35.250	37.192	8.500	27.404	485.717	.595
535.4	8.5499	35.250	37.201	8.492	27.405	519.917	.340
569.1	8.5318	35.250	37.198	8.470	27.407	552.283	.551
657.4	8.4463	35.252	37.159	8.375	27.422	613.283	.796
692.2	8.4108	35.234	37.124	8.336	27.414	674.833	.810
759.0	8.2068	35.201	36.931	8.126	27.420	725.600	.704
822.4	8.0988	35.200	36.856	8.011	27.435	790.683	.962
890.9	7.9193	35.183	36.703	7.825	27.449	856.650	.931
947.7	7.6052	35.244	36.491	7.507	27.544		
999.6	7.4656	35.067	36.220	7.363	27.425		
1072.0	6.7367	35.121	35.626	6.632	27.570		


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C.)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 99

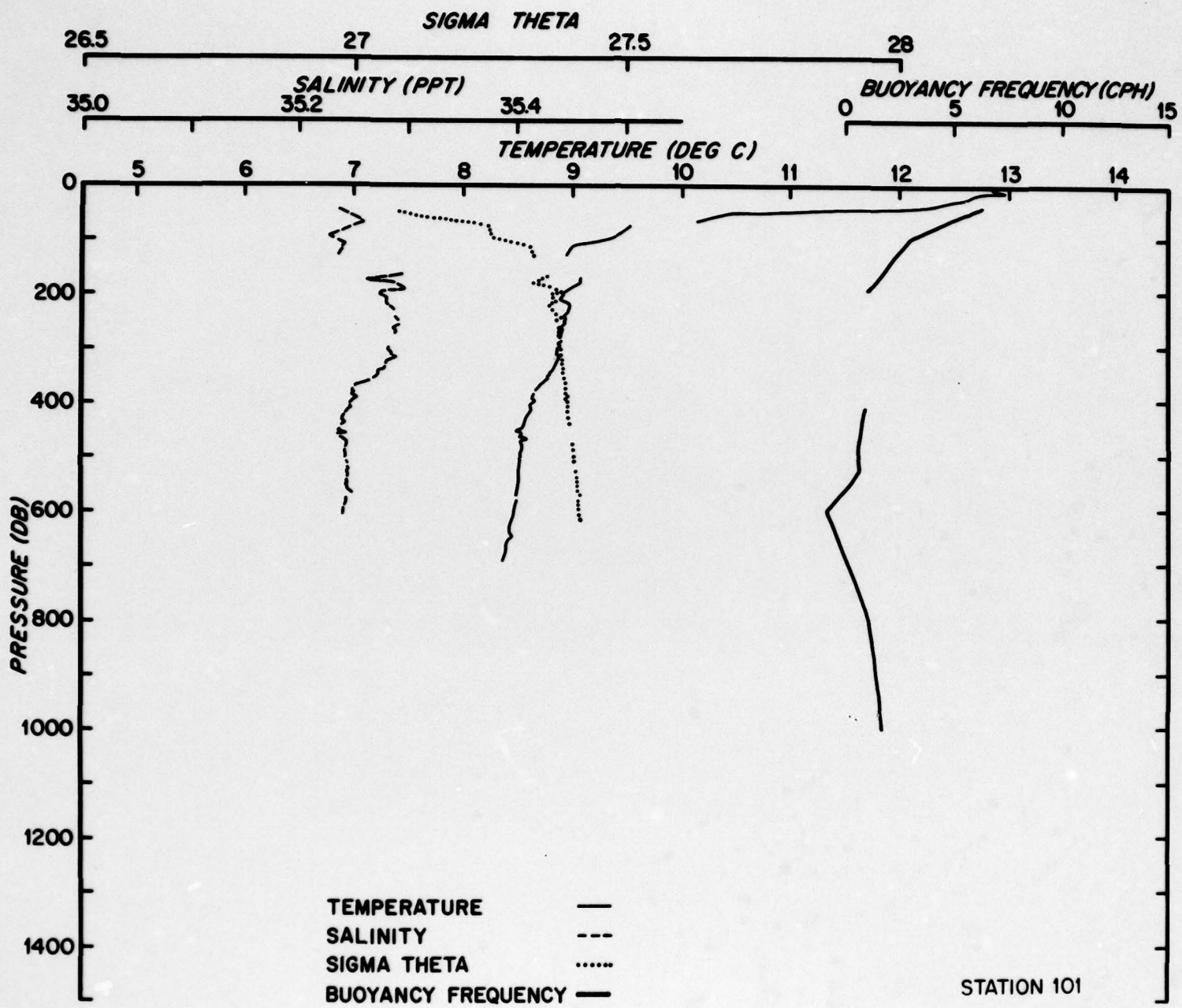
STATION 100

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m**3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
3.7	12.8867						
34.2	11.4225	35.206	39.666	11.418	26.876		
70.7	9.2499	35.219	37.623	9.242	27.268	52.450	5.850
85.1	9.0359	35.216	37.424	9.027	27.300	77.900	2.678
109.5	9.0409	35.254	37.476	9.029	27.329	97.333	1.950
124.2	9.1340	35.267	37.583	9.120	27.324	116.883	*1.093
200.8	8.9003	35.276	37.405	8.879	27.369	162.500	1.391
254.9	8.8668	35.278	37.400	8.839	27.376	227.817	.699
350.8	8.7002	35.257	37.266	8.662	27.386	302.817	.656
414.9	8.5918	35.248	37.184	8.547	27.396	382.833	.766
486.8	8.5296	35.269	37.178	8.477	27.423	450.850	1.122
526.2	8.6048	35.202	37.203	8.548	27.358	506.517	*2.273
568.8	8.5047	35.247	37.170	8.443	27.409	547.533	1.979
665.3	8.4462	35.242	37.153	8.374	27.414	617.083	.534
713.8	8.3921	35.234	37.116	8.315	27.417	689.550	.534
796.4	8.1928	35.208	36.941	8.108	27.427	755.200	.754
854.7	7.8640	35.344	36.785	7.774	27.584	825.650	2.974
918.6	7.8539	35.183	36.654	7.757	27.459	886.650	*2.457
999.5	7.4456	35.193	36.318	7.343	27.527	959.067	1.747
1091.3	6.7835	35.130	35.686	6.676	27.571	1045.42	1.447


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG. C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 100

STATION 101

PRESSURE (dbar)	TEMPERATURE (deg C)	SALINITY (ppt)	CONDUCTIVITY (mmho/cm)	POT. TEMP. (deg C)	SIGMA THETA (gm/m^3)	AVERAGED PRESSURE (dbar)	BUOYANCY FREQUENCY (cph)
3.5	12.8104						
14.9	12.6367	35.140	40.762	12.635	26.591		
59.4	10.1124	35.252	38.468	10.105	27.148	37.167	6.300
127.6	8.9563	35.239	37.391	8.943	27.331	93.500	2.945
243.4	8.9493	35.291	37.486	8.923	27.373	185.517	1.091
295.2	8.8838						
370.1	8.6868	35.256	37.261	8.647	27.387		
439.9	8.5601	35.246	37.164	8.513	27.400	404.983	.821
498.6	8.5346	35.246	37.166	8.481	27.404	469.217	.542
541.1	8.5213	35.248	37.174	8.463	27.408	519.833	.575
638.7	8.4721	35.202	37.128	8.403	27.379	589.900	.910
929.7	7.7376	35.163	36.531	7.641	27.460	784.183	1.036
1050.0	7.1185	35.159	36.004	7.013	27.547	989.833	1.635


SIGMA THETA
26.5
27
27.5
28
SALINITY (PPT)
35.0
35.2
35.4
BUOYANCY FREQUENCY (CPH)
0
5
10
15
TEMPERATURE (DEG C)
0
5
6
7
8
9
10
11
12
13
14
PRESSURE (DB)
200
400
600
800
1000
1200
1400
TEMPERATURE
SALINITY
SIGMA THETA
BUOYANCY FREQUENCY
STATION 101

CTD LOG FOR ATLANTIS-II - 102 LEG 1 (JASIN)

STATION NO.	DATE (YR-MO-DA)	UTC TIME	START LAT.	START LONG.	PMAX	END LAT.	END LONG.	NO. CASTS	NO. ROSETTES	UTC END TIME	COMMENTS
1 *	78-07-27	0830	59°10.88'	12°30.43'	1498	59°12.45'	12°34.43'	1	10	1000	
2 *+	78-07-28	0012	59°10.53'	12°30.64'	1310	59°07.12'	12°33.13'	8	11	0835	Yo-Yo
3 *	78-07-29	2020	59°01.10'	12°28.40'	1450	59°04.97'	12°31.48'	8	-	0447	Yo-Yo
4 *	78-07-30	2312	59°01.74'	12°32.69'	1465	59°01.44'	12°30.83'	7	10	0555	Yo-Yo
5 *	78-07-31	2030	59°03.08'	12°30.84'	250	59°03.27'	13°33.14'	30	10	0426	¼ Hr. Yo-Yo
6 *	78-08-01	2040	59°02.07'	12°32.67'	1490	58°59.96'	12°34.29'	9	11	0706	Yo-Yo
7 *	78-08-02	1815	59°00.96'	12°35.61'	1558	59°01.43'	12°37.02'	5/4	17	0515	Moved ship
8	78-08-03	2030	59°01.22'	12°33.54'	1420	58°55.28'	12°31.95'	9	11	0545	Yo-Yo
9	78-08-05	0355	59°00.13'	12°36.28'	1475	59°00.04'	12°41.13'	3	10	0655	Yo-Yo
10	78-08-05	1226	59°01.76'	12°35.87'	630	59°01.92'	12°47.08'	7	-	2300	½ Hr. Yo-Yo
11 *	78-08-06	0242	59°01.65'	12°49.39'	500	58°59.20'	12°54.20'	2	-	0340	½ Hr. Yo-Yo
12 *	78-08-06	1310	58°55.64'	12°27.83'	200	58°55.04'	12°35.01'	26	-	1748	10 min. Yo-Yo
13	78-08-06	2130	59°01.09'	12°36.18'	1425	58°55.20'	12°45.66'	7	11	0530	Yo-Yo
14 *	78-08-07	1302	59°15.49'	13°00.49'	1010	59°14.98'	13°01.50'	1	10	1353	Section
15 *	78-08-07	1536	59°12.45'	12°55.51'	1000	59°11.76'	12°56.88'	1	11	1620	Section
16 *	78-08-07	1749	59°09.61'	12°49.46'	1065	59°09.19'	12°50.59'	1	10	1843	Section
17 *	78-08-07	1938	59°06.80'	12°43.82'	1005	59°06.50'	12°45.11'	1	10	2040	Section
18	78-08-07	2140	59°04.17'	12°38.41'	1000	59°03.81'	12°39.73'	1	11	2242	Section
19	78-08-08	0025	58°57.00'	12°25.52'	1010	58°56.80'	12°26.11'	1	11	0118	Section
20	78-08-08	0158	58°55.21'	12°21.96'	1020	58°55.21'	12°22.55'	1	11	0242	Section
21	78-08-08	0336	58°52.38'	12°16.36'	1105	58°51.89'	12°17.36'	1	11	0440	Section
22	78-08-08	0530	58°49.39'	12°10.89'	1017	58°48.94'	12°11.57'	1	11	0627	Section
23	78-08-08	0746	58°46.66'	12°05.67'	1008	58°46.41'	12°06.10'	1	11	0837	Section
24	78-08-08	1150	58°43.47'	11°59.66'	1003	58°43.14'	11°59.74'	1	9	1231	Section
25	78-08-08	2025	59°01.09'	12°35.01'	1499	58°59.50'	12°45.42'	10	11	0605	Yo-Yo
26	78-08-10	2201	59°09.50'	12°44.37'	985	59°11.45'	12°44.85'	1	11	2315	
27	78-08-11	0415	59°11.50'	12°50.80'	1000	59°11.48'	12°50.82'	1	11	0517	
28	78-08-11	0640	59°05.10'	12°50.20'	1015	59°06.40'	12°50.92'	1	10	0730	Grid
29	78-08-11	1510	59°09.90'	12°50.00'	1004	59°12.40'	12°52.68'	1	10	1627	Grid
30	78-08-11	1836	59°00.30'	12°50.00'	1016	59°01.89'	12°51.97'	1	11	1934	Grid

* NO LISTING AVAILABLE

\+ NO BUOYANCY FREQUENCY ON PLOT

CTD LOG FOR ATLANTIS-II - 102 LEG 1 (JASIN) (cont.)

STATION NO.	DATE (YR-MO-DA)	UTC TIME	START LAT.	START LONG.	PMAX	END LAT.	END LONG.	NO. CASTS	NO. ROSETTES	UTC END TIME	COMMENTS
31	78-08-11	2146	58°50.50'	12°49.80'	990	58°51.92'	12°50.66'	1	11	2247	Grid
32	78-08-12	0237	59°00.20'	12°09.70'	1012	59°01.15'	12°10.34'	1	11	0323	Grid
33	78-08-12	0422	59°05.00'	12°20.00'	1125	59°06.05'	12°20.72'	1	11	0520	Grid
34	78-08-12	0631	59°10.20'	12°09.90'	1105	59°10.62'	12°10.04'	1	11	0716	Grid
35	78-08-12	1651	59°02.30'	12°31.00'	1007	59°02.92'	12°31.10'	1	5	1740	
36	78-08-12	2056	59°10.10'	12°29.90'	995	59°10.53'	12°30.46'	1	11	2151	Grid
37	78-08-12	2312	59°05.00'	12°39.90'	1004	59°06.06'	12°40.16'	1	8	0032	Grid
38	78-08-13	0210	58°54.90'	12°39.90'	1035	58°55.78'	12°39.90'	1	11	0257	Grid
39	78-08-13	0410	58°50.00'	12°29.90'	1285	58°51.03'	12°29.76'	1	10	0506	Grid
40	78-08-13	0633	58°50.00'	12°09.70'	1000	58°50.74'	12°09.28'	1	10	0728	Grid
41	78-08-13	1303	58°55.30'	12°19.70'	999	58°56.93'	12°19.91'	1	10	1405	Grid
42	78-08-13	1805	59°10.00'	12°45.70'	1100	59°10.83'	12°46.30'	1	11	1859	
43	78-08-14	0508	57°48.90'	11°44.60'	1823	57°49.70'	11°43.42'	1	11	0631	Anton Dohrn Seamount
44	78-08-14	1208	57°42.00'	11°32.30'	1900	57°43.06'	11°30.57'	1	11	1342	Anton Dohrn Seamount
45	78-08-14	1510	57°34.60'	11°18.30'	756	57°35.29'	11°16.65'	1	11	1602	Anton Dohrn Seamount
46	78-08-14	1720	57°27.30'	11°06.90'	536	57°27.33'	11°05.93'	1	11	1751	Anton Dohrn Seamount
47	78-08-14	1914	57°20.10'	10°52.40'	871	57°20.07'	10°51.74'	1	10	2002	Anton Dohrn Seamount
48	78-08-14	2125	57°13.20'	10°39.00'	2156	57°13.64'	10°37.27'	1	9	2305	Anton Dohrn Seamount
49	78-08-15	0036	57°05.80'	10°25.70'	2252	57°06.27'	10°23.64'	1	11	0225	Anton Dohrn Seamount

CTD LOG FOR ATLANTIS-II - 102 LEG 2 (JASIN)

50 *	78-08-22	2107	57°48.93'	10°25.91'	2112	57°47.51'	10°20.89'	1	4	2327	Anton Dohrn Seamount
51 *+	78-08-23	0102	57°42.14'	10°32.95'	2119	57°41.35'	10°34.7[illegible]	1	5	0301	Anton Dohrn Seamount
52 *	78-08-23	0435	57°34.29'	10°53.54'	891	57°33.90'	10°52.64'	1	4	0527	Anton Dohrn Seamount
53 *	78-08-23	0709	57°27.38'	11°07.12'	538	57°27.40'	11°06.66'	1	-	0743	Anton Dohrn Seamount
54 *	78-08-23	1345	57°20.16'	11°18.70'	793	57°19.93'	11°16.76'	1	5	1433	Anton Dohrn Seamount
55 *	78-08-23	1608	57°13.10'	11°32.42'	2041	57°12.56'	11°30.31'	1	5	1738	Anton Dohrn Seamount
56 *	78-08-23	1853	57°05.63'	11°45.21'	2093	57°05.73'	11°44.71'	1	5	2029	Anton Dohrn Seamount
57 *	78-08-24	1349	59°00.64'	12°32.03'	1299	57°01.11'	12°29.37'	1	5	1500	W2
58 *	78-08-24	2224	59°00.01'	13°29.92'	856	58°59.55'	13°29.58'	1	9	2318	┐
59 *	78-08-25	0029	58°59.87'	13°14.83'	1630	58°59.20'	13°14.12'	1	9	0149	|
60	78-08-25	0252	59°00.00'	12°59.94'	1500	58°59.47'	12°59.40'	1	10	0402	Section West of FIA
61	ABORTED										|
62	78-08-25	0737	58°59.67'	12°45.20'	1534	58°59.77	12°42.00'	1	5	0855	┘

* NO LISTING AVAILABLE + NO BUOYANCY FREQUENCY ON PLOT

CTD LOG FOR ATLANTIS-II - 102 LEG 2 (JASIN) (cont.)

STATION NO.	DATE (YR-MO-DA)	UTC TIME	START LAT.	START LONG.	PMAX	END LAT.	END LONG.	NO. CASTS	NO. ROSETTES	UTC END TIME	COMMENTS
63	78-08-25	2321	59°04.21'	12°40.26'	1000	59°04.86'	12°39.34'	1	8	0012	B
64	78-08-26	0125	59°03.86'	12°21.64'	1006	59°03.32'	12°20.71'	1	5	0206	A
65	78-08-26	0308	58°55.72'	12°22.10'	1004	58°55.28'	12°21.69'	1	4	0348	D
66	78-08-26	0517	58°56.03'	12°38.80'	1013	58°55.48'	12°38.41'	1	5	0608	C
67	78-08-26	1719	59°00.66'	12°32.49'	1205	58°59.83'	12°32.52'	1	5	1818	┌
68	78-08-26	1954	59°07.47'	12°29.72'	1206	59°06.77'	12°30.20'	1	9	2103	
69 *	78-08-26	2227	59°15.11'	12°30.10'	1203	59°14.62'	12°29.50'	1	9	2330	Section North of FIA
70	78-08-27	0050	59°22.58'	12°29.97'	1101	59°22.02'	12°29.07'	1	5	0150	
71	78-08-27	0255	59°30.03'	12°30.01'	1097	59°29.54'	12°29.16'	1	5	0352	
72	78-08-27	0506	59°37.48'	12°30.61'	1101	59°37.05'	12°30.33'	1	7	0602	└
73	78-08-27	2320	59°04.30'	12°23.66'	1100	59°03.82'	12°23.21'	1	10	0030	A
74 *	78-08-28	0131	58°59.95'	12°14.57'	1097	58°59.72'	12°13.49'	1	5	0222	┌
75 *	78-08-28	0320	58°59.98'	11°59.67'	1096	58°59.62'	11°57.91'	1	4	0421	│
76	78-08-28	0612	59°00.12'	11°47.13'	1100	58°59.27'	11°45.21'	1	-	0721	Section East of FIA
77	78-08-28	1007	59°00.02'	11°29.86'	1116	58°59.45'	11°28.11'	1	4	1113	
78	78-08-28	1229	58°59.97'	11°14.40'	1081	58°59.58'	11°12.59'	1	5	1325	│
79	78-08-28	1426	58°59.92'	10°59.81'	1101	59°00.03'	10°59.37'	1	6	1518	└
80	78-08-28	1826	58°45.27'	11°46.02'	1123	58°44.69'	11°44.84'	1	7	1927	
81	78-08-28	2250	58°30.05'	12°30.15'	1118	58°29.67'	12°29.24'	1	10	2349	┌
82	78-08-29	0101	58°37.45'	12°29.67'	1205	58°37.11'	12°28.08'	1	7	0203	Section South of FIA
83	78-08-29	0318	58°44.98'	12°30.15'	1195	58°44.30'	12°28.89'	1	7	0426	
84 *	78-08-29	0546	58°52.94'	12°30.48'	1097	58°52.69'	12°30.00'	1	7	0646	└
85	78-08-30	1811	59°04.10'	12°38.60'	1100	59°03.70'	12°34.50'	9	46	0652	
86 Q	78-08-31	2334	59°03.78'	12°21.97'	1060	59°02.99'	12°21.55'	1	6	0033	A
87	78-09-01	0153	59°03.90'	12°38.10'	1096	59°03.30'	12°37.58'	1	5	0246	B
88	78-09-01	0348	58°55.78'	12°37.79'	1113	58°55.61'	12°36.37'	1	5	0445	C
89	78-09-01	0549	58°55.96'	12°22.01'	1109	58°55.91'	12°21.35'	1	5	0646	D
90	78-09-01	0723	58°55.23'	12°20.61'	1102	58°54.44'	12°19.72'	1	5	0828	┌
91	78-09-01	1222	58°55.03'	12°20.20'	1096	58°54.25'	12°19.69'	1	6	1316	Section North FIA to H2 Along 12°20'
92	78-09-01	1409	59°00.10'	12°19.93'	1104	58°59.89'	12°19.08'	1	7	1504	
93	78-09-01	1605	59°05.00'	12°20.62'	1046	58°04.92'	12°19.44'	1	7	1656	
94	78-09-01	1746	59°10.36'	12°20.37'	1108	58°10.33'	12°19.31'	1	8	1840	
95	78-09-01	1925	59°15.04'	12°20.45'	1104	58°14.90'	12°19.44'	1	7	2019	↓

* NO LISTING AVAILABLE Q QUESTIONABLE LISTING

CTD LOG FOR ATLANTIS-II - 102 LEG 2 (JASIN) (cont.)

STATION NO.	DATE (YR-MO-DA)	UTC TIME	START LAT.	START LONG.	PMAX	END LAT.	END LONG.	NO. CASTS	NO. ROSETTES	UTC END TIME	COMMENTS
96	78-09-01	2121	59°20.12'	12°19.83'	1090	59°19.47'	12°19.17'	1	7	2220	Section North FIA to H2
97	78-09-01	2331	59°23.64'	12°26.57'	1100	59°21.33'	12°19.84'	4	22	0604	Yo-Yo Wave Buoy
98	78-09-03	2005	59°25.76'	12°29.00'	1027	59°25.80'	12°27.56'	1	10	2119	H2
99	78-09-03	2250	59°19.95'	12°39.86'	1096	59°19.55'	12°39.48'	1	2	2359	Section South Along 12°40'
100	78-09-04	0043	59°14.92'	12°40.07'	1100	59°14.62'	12°40.43'	1	5	0155	
101	78-09-04	0236	59°09.28'	12°43.86'	1049	59°10.10'	12°41.02'	1	3	0333	
102	78-09-04	0419	59°05.01'	12°40.00'	1000	59°05.46'	12°41.03'	1	4	0522	No Data
103	78-09-04	0628	58°59.90'	12°39.24'	300	59°00.39'	12°39.17'	1	-	0656	Aborted Wire Failure

JASIN DISTRIBUTION LIST:

49 copies
Version: 23 August 1979

L. M. Brekhovskikh
Dept. of Oceanology
USSR Academy of Sciences
14 Leninsky Prospect
Moscow B-71, USSR

Prof. W. V. Burt
ONR - Branch Office London
223-231 Old Marylebone Rd.
London NW1 3TH ENGLAND

Prof. J. A. Businger
Dept. of Atmospheric Sci.
University of Washington
Seattle, WA 98195

Lt. H. Lee Dantzler, Jr.
Code 3404
US Naval Oceanog. Office
NSTL Station, MS 39529

Dr. R. E. Davis, A-030
Dr. R. Pinkel
Prof. Joseph Reid
Scripps Inst. of Oceanog.
La Jolla, CA 92093

Dr. R. A. deSzoeke
Dr. Murray Levine
Prof. Pearn P. Niiler
Dr. C. A. Paulson
School of Oceanography
Oregon State University
Corvallis, OR 97331

Dr. F. W. Dobson
Dr. J. A. Elliott
Dr. N. S. Oakey
Bedford Inst. of Oceanogr.
Dartmouth, Nova Scotia,
CANADA B2Y 4A2

Dr. R. Dorrestein
Dr. P. Krusemann
Dr. G. J. Prangsma
K.N.M.I.
Utrechtsweg 297,
De Bilt, NETHERLANDS

Dr. David J. Ellett
Dunstaffnage Marine Res. Lab.
P. O. Box 3
Oban Argyll PA34 4AD SCOTLAND

Dr. D. L. Evans
Grad. School of Oceanogr.
University of Rhode Island
Narragansett, R.I. 02882

Dr. Lou Goodman
Code 481, Bldg. 101-N
Naval Underwater Syst. Ctr.
Newport, R.I. 02840

Dr. Walter Grabowski
Dr. R. B. Lambert, Jr.
Science Applications, Inc.
8400 Westpark Dr.
McLean, VA 22101

Dr. A. Green
Dr. Henry T. Perkins
Dr. Kim D. Saunders
NORDA Code 331
NSTL Station, MS 39529

Dr. John Gould
Dr. T. Guymer
Dr. Raymond Pollard
Miss Margaret A. Saunders
Dr. Peter Saunders
Institute of Oceanog. Sci.
Wormley, Godalming,
Surrey GU8 5UB ENGLAND

Dr. D. Halpern
NOAA/PMEL
3711 - 15th Ave. N.E.
Seattle, WA 98105

Paul D. Higley
Raytheon Ocean Systems, Inc.
Box 360
Portsmouth, R.I. 02871

Dr. G. Jenkins
Meteorology Division
Chemical Defense Estab.
Porton Down, Salisbury
Wilts SP4 0JQ ENGLAND

Dr. I. S. F. Jones
RAN Research Laboratory
P.O. Box 706, Darlinghurst
N.S.W. 2010, AUSTRALIA

Dr. T. W. Kao
Catholic University of America
Dept. of Mechanical Eng.
Washington, D.C. 20064

Dr. R. Kase
Dr. P. Minnett
Mr. Hartmut Peters
Prof. G. Siedler
Prof. J. D. Woods
Dr. W. Zenk
Institut fur Meereskunde
Dusternbrookerweg 20, D23 Kiel 1
F. R. GERMANY

Dr. Bruce Lake
TRW/DSSG
One Space Park
Redondo Beach, CA 90278

Dr. W. Large
Dr. S. Pond
Institute of Oceanography
U. of British Columbia
Vancouver 8, CANADA

Dr. Edward Monahan
Dept. of Oceanography
University College
Galway, IRELAND

Dr. P. Speth
Institut fur Geophysik und
Meteorologie
Albertus Magnus-Platz 5 Koln 41
F. R. GERMANY

Dr. R. H. Stewart, A-025
Scripps Inst. of Oceanog.
La Jolla, CA 92093

Dr. C. C. Teague
215 Durand Building
Stanford University
Stanford, CA 94305

Dr. Ortwin VonZweck
Code 3431
U.S. Naval Oceanog. Office
NSTL Station, MS 39529

MANDATORY DISTRIBUTION LIST

FOR UNCLASSIFIED TECHNICAL REPORTS, REPRINTS, AND FINAL REPORTS
PUBLISHED BY OCEANOGRAPHIC CONTRACTORS
OF THE OCEAN SCIENCE AND TECHNOLOGY DIVISION
OF THE OFFICE OF NAVAL RESEARCH

(REVISED NOVEMBER 1978)

1 Deputy Under Secretary of Defense
(Research and Advanced Technology)
Military Assistant for Environmental Science
Room 3D129
Washington, D.C. 20301

Office of Naval Research
800 North Quincy Street
Arlington, VA 22217
3 ATTN: Code 483
1 ATTN: Code 460
2 ATTN: 102B

1 CDR J. C. Harlett, (USN)
ONR Representative
Woods Hole Oceanographic Inst.
Woods Hole, MA 02543

Commanding Officer
Naval Research Laboratory
Washington, D.C. 20375
6 ATTN: Library, Code 2627

12 Defense Documentation Center
Cameron Station
Alexandria, VA 22314
ATTN: DCA

Commander
Naval Oceanographic Office
NSTL Station
Bay St. Louis, MS 39522
1 ATTN: Code 8100
1 ATTN: Code 6000
1 ATTN: Code 3300

1 NODC/NOAA
Code D781
Wisconsin Avenue, N.W.
Washington, D.C. 20235

Woods Hole Oceanographic Institution
WHOI-79-42

ATLANTIS-II (CRUISE 102) PRELIMINARY CTD DATA FROM JASIN 1978 by Nancy Pennington and Melbourne G. Briscoe. December 1979. 225 pages. Prepared for the Office of Naval Research under Contract N00014-76-C-0197; NR 083-400 and for the National Science Foundation under Grant OCE77-25803.

102 profiles of conductivity, temperature, and depth (pressure) (CTD) were taken in the JASIN area northwest of Scotland in July-September 1978. These stations consisted of single and yo-yo profiles. The data set includes 14 stations taken near Anton Dohrn Seamount at 57°30'N, 11°W. Plotted profiles of temperature, salinity, sigma-theta, and buoyancy frequency, and a listing of the data, are included for most stations.

1. CTD Measurements
2. JASIN
3. Upper Ocean

I. Pennington, Nancy
II. Briscoe, Melbourne G.
III. N00014-76-C-0197; NR 083-400
IV. OCE77-25803

This card is UNCLASSIFIED

Woods Hole Oceanographic Institution
WHOI-79-42

ATLANTIS-II (CRUISE 102) PRELIMINARY CTD DATA FROM JASIN 1978 by Nancy Pennington and Melbourne G. Briscoe. December 1979. 225 pages. Prepared for the Office of Naval Research under Contract N00014-76-C-0197; NR 083-400 and for the National Science Foundation under Grant OCE77-25803.

102 profiles of conductivity, temperature, and depth (pressure) (CTD) were taken in the JASIN area northwest of Scotland in July-September 1978. These stations consisted of single and yo-yo profiles. The data set includes 14 stations taken near Anton Dohrn Seamount at 57°30'N, 11°W. Plotted profiles of temperature, salinity, sigma-theta, and buoyancy frequency, and a listing of the data, are included for most stations.

1. CTD Measurements
2. JASIN
3. Upper Ocean

I. Pennington, Nancy
II. Briscoe, Melbourne G.
III. N00014-76-C-0197; NR 083-400
IV. OCE77-25803

This card is UNCLASSIFIED

Woods Hole Oceanographic Institution
WHOI-79-42

ATLANTIS-II (CRUISE 102) PRELIMINARY CTD DATA FROM JASIN 1978 by Nancy Pennington and Melbourne G. Briscoe. December 1979. 225 pages. Prepared for the Office of Naval Research under Contract N00014-76-C-0197; NR 083-400 and for the National Science Foundation under Grant OCE77-25803.

102 profiles of conductivity, temperature, and depth (pressure) (CTD) were taken in the JASIN area northwest of Scotland in July-September 1978. These stations consisted of single and yo-yo profiles. The data set includes 14 stations taken near Anton Dohrn Seamount at 57°30'N, 11°W. Plotted profiles of temperature, salinity, sigma-theta, and buoyancy frequency, and a listing of the data, are included for most stations.

1. CTD Measurements
2. JASIN
3. Upper Ocean

I. Pennington, Nancy
II. Briscoe, Melbourne G.
III. N00014-76-C-0197; NR 083-400
IV. OCE77-25803

This card is UNCLASSIFIED

Woods Hole Oceanographic Institution
WHOI-79-42

ATLANTIS-II (CRUISE 102) PRELIMINARY CTD DATA FROM JASIN 1978 by Nancy Pennington and Melbourne G. Briscoe. December 1979. 225 pages. Prepared for the Office of Naval Research under Contract N00014-76-C-0197; NR 083-400 and for the National Science Foundation under Grant OCE77-25803.

102 profiles of conductivity, temperature, and depth (pressure) (CTD) were taken in the JASIN area northwest of Scotland in July-September 1978. These stations consisted of single and yo-yo profiles. The data set includes 14 stations taken near Anton Dohrn Seamount at 57°30'N, 11°W. Plotted profiles of temperature, salinity, sigma-theta, and buoyancy frequency, and a listing of the data, are included for most stations.

1. CTD Measurements
2. JASIN
3. Upper Ocean

I. Pennington, Nancy
II. Briscoe, Melbourne G.
III. N00014-76-C-0197; NR 083-400
IV. OCE77-25803

This card is UNCLASSIFIED