NORTH PACIFIC OCEAN

FIEBERLING SEAMOUNT

CTD DATA REPORT

R/V Thomas Thompson
19 August - 25 September 1988

DTIC
ELECTE
MAR 02 1995
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Christopher Fowler
William J. Emery

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University of Washington

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ABSTRACT

During August and September 1989 the *R/V New Horizon* made a detailed study of the flow, thermohaline and light transmission structures around Fieberling and neighboring seamounts as part of a multi-investigator, multi-institutional ONR sponsored Flow over Abrupt Topography Accelerated Research Initiative. A total of 84 stations were taken in the working area. This report gives a numerical and graphical summary of the CTD field measurements and of surface meteorological observations.

INTRODUCTION

A. Sea floor topography

Fieberling is a large seamount 992 km west of San Diego, CA (Figure 1). It rises abruptly from the deep ocean floor at 4300 m to a minimum depth of 438 m. To the ESE of Fieberling are three smaller seamounts: Fieberling II, 52 km distant with a minimum depth of 1040 m; Hoke, 88 km distant with a least depth of 772 m; and Stoddard, 164 km distant with a minimum depth of 1070 m. The four seamounts form a linearly arranged group, which will be referred to as the Fieberling group. The basic dimensions of the four seamounts and of the gaps between them are summarized in Table 1. It is important to note that Fieberling seamount is isolated from its neighbors only in the upper fifth of the water column. Below 2000 m, the gaps between Fieberling,Fieberling II and Hoke are less than the width of the seamounts involved. This seafloor shape has fundamental consequences for flow-topography interaction. While the upper layer flow interacts directly with a single seamount (Fieberling), the deep flow interacts with the seamount group.

B. Objectives of CTD study

To investigate the effects of the Fieberling and neighboring seamounts on oceanic flow and property structures in their vicinity, a detailed field study was made of the environmental conditions in the area aboard the *R/V New Horizon* between 19 August and 3 September 1989. The main objectives of this study were to:

1. determine the structure of the large scale flow impinging upon Fieberling seamount and its change with depth,

2. study the effects of neighboring seamounts on the circulation near Fieberling,

3. investigate the characteristics of jets and eddies near seamounts and seamount wakes,

4. assess the structure and extent of upwelling cones above the summits of seamounts.

C. Cruise track, station positions and meteorological observations.

The field study focused on a 170 km by 220 km area centered around the WNW-ESE axis of the four seamounts The basic station grid was 27 km, with closer station spacing near the seamounts. The station pattern in the working area is shown in Figure 2 and consisted of 84 CTD stations In addition, an instrument test station (called st 0) was made at 32°32' N, 118°07' W, shortly after leaving San Diego At all stations, records were kept of atmospheric pressure, wind speed and direction as well as dry and wet bulb temperatures.

PARTICIPANTS

Ship's Captain

Philip Munsch SIO

Chief Scientist

Gunnar I.Roden, UW

Technical Personnel

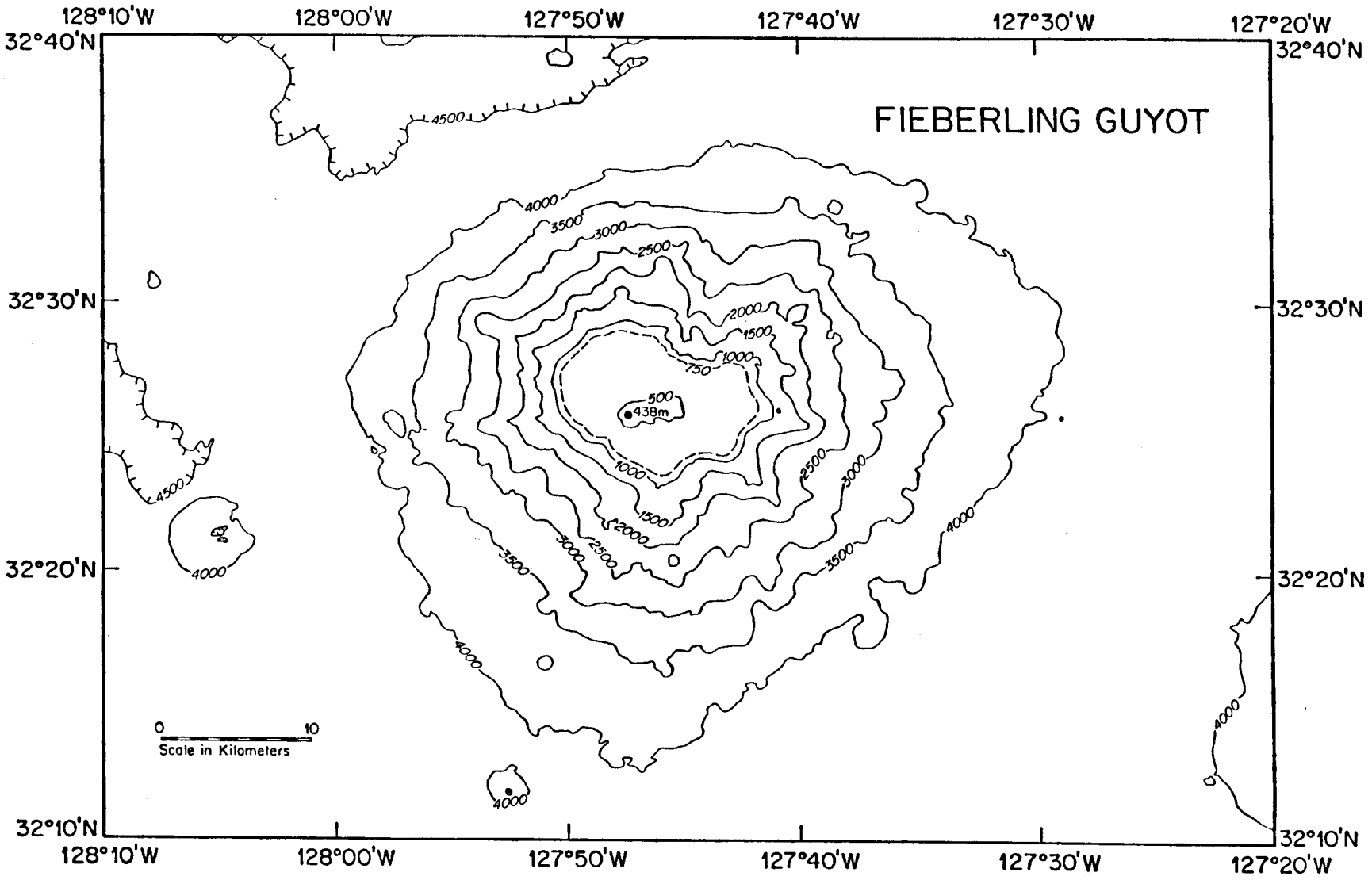
Marcia Campbell	UW
William J. Fredericks	UW
Geoffrey Hargreaves	SIO
William H. Martin	UW
Stanley Moore	OSU
Kathleen K. Newell	UW
James R. Postel	UW
Michael J. Realander	UW
George M. White	UW

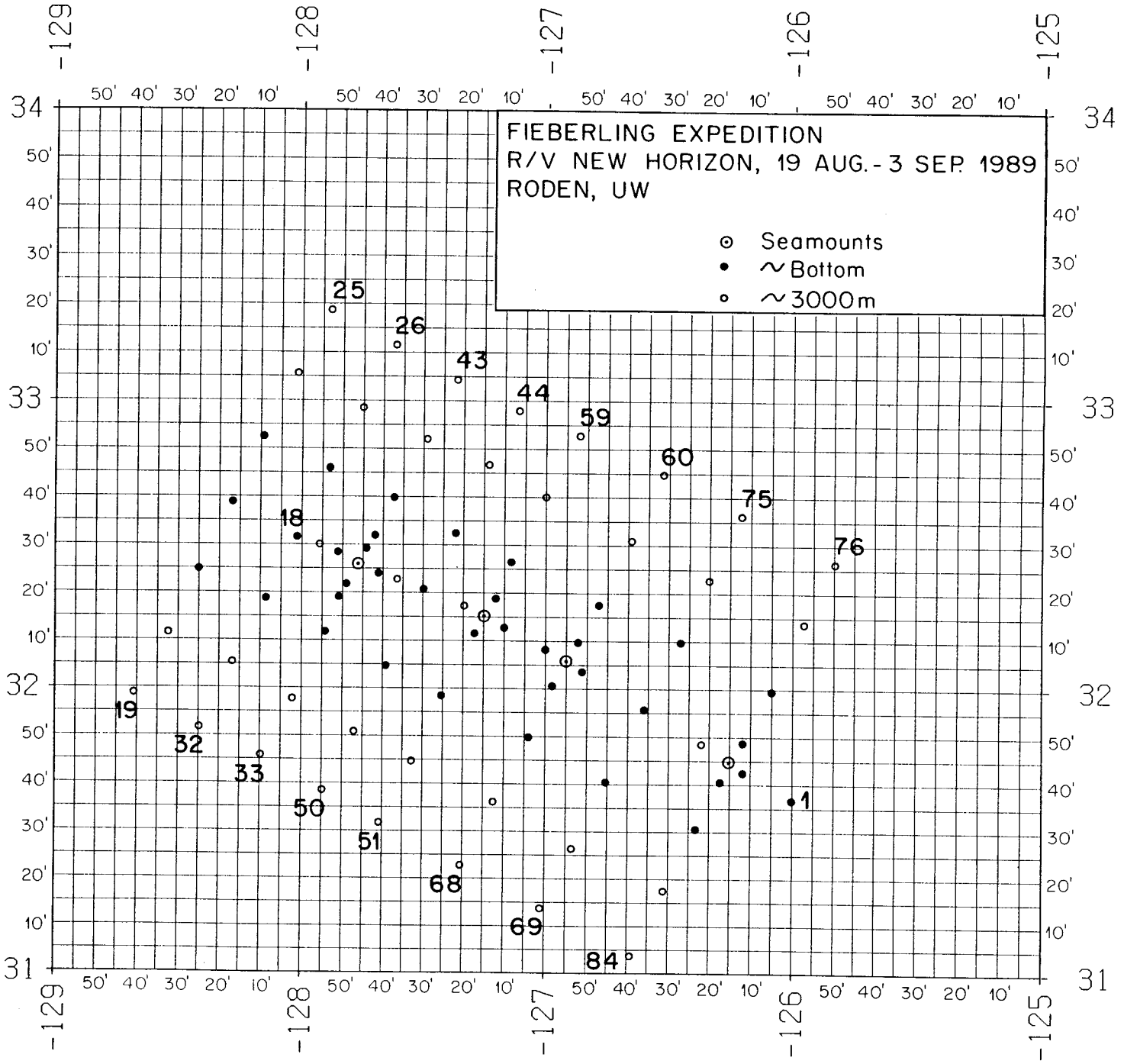
ACKNOWLEDGMENTS

Captain Philip Munsch and his officers and men are to be commended for outstanding performance. The high professional competence of the seagoing personnel from the Oregon State University (OSU), the Scripps Institution of Oceanography (SIO) and the University of Washington (UW) made this report possible. This report was supported by ONR grant N00014-89-J-1248.

TABLE 1. Basic Dimensions of Seamounts in the Fieberling Group. Widths are approxiamate. Heights are relative to a seafloor base at 4300 m.

Seamounts:	Fieberling	Fieberling II	Hoke	Stoddard
Latitude	32°26.1'N	32°16.1'N	32°05.7'N	31°45.6'N
Longitude	127°45.9'W	127°15.1'W	126°55.5'W	126°13.8'W
Minimun depth	438 m	1048 m	772 m	1075 m
Height above seafloor	3862 m	3252 m	3528 m	3225 m
Width at 500 m	3 km	–	–	–
Width at 1000 m	12 km	–	4 km	–
Width at 1500 m	16 km	6 km	8 km	3 km
Width at 2000 m	20 km	8 km	9 km	8 km
Width at 4000 m	40 km	22 km	30 km	22 km
Gap at 1500 m	41 km	32 km	68 km	
Gap at 2000 m	35 km	26 km	61 km	
Gap at 4000 m	20 km	11 km	35 km	


FIEBERLING GUYOT
128°10'W
128°00'W
127°50'W
127°40'W
127°30'W
127°20'W
32°40'N
32°30'N
32°20'N
32°10'N
4500
4000
3500
3000
2500
2000
1500
1000
750
500
438m
0
10
Scale in Kilometers


FIEBERLING EXPEDITION
R/V NEW HORIZON, 19 AUG.- 3 SEP. 1989
RODEN, UW
Seamounts
~Bottom
~3000m
-129
-128
-127
-126
-125
34
33
32
31
25
26
43
44
59
60
75
76
18
19
32
33
50
51
68
69
84
1

DATA ACQUISITION AND CALIBRATION

The CTD casts were conducted using the University of Washington's Seabird Conductivity-Temperature-Pressure profiler,coupled to a SeaTech Transmissometer (25 cm pathlength) and a General Oceanics 24 bottle rosette sampler. A 12 kHz pinger was mounted in the CTD frame to allow a safe approach to the bottom.

The conductivity, temperature, and pressure sensors were calibrated before and after the cruise by Seabird. The pressure sensor required no correction. For temperature and conductivity the following corrections were applied:

Temperature: $T^{\circ}(corr) = T^{\circ}(raw) - 0.00274^{\circ}$ Celsius

Conductivity: $C(corr) = -0.00090 + 1.00048C(raw)$ Siemens/m

The salinities derived from the corrected CTD conductivities, temperatures and pressures were compared to the salinities derived from the shipboard Guildline Autosal instrument. The CTD salinities agreed with the Autosal water bottle salinities within 0.002 per mille. No further corrections were applied.

At station 10, a malfunction occured in the conductivity sensor, which was subsequently fixed. Because the conductivity and salinity data are questionable, station 10 has been omitted from this report.

The transmissometer was calibrated by SeaTech before and after the cruise. The instrument was found to be stable. The profiles of light transmission exhibited some electronic jitter with amplitudes not exceeding 0.2 %. In order to eliminate the jitter, the light transmission profiles were smoothed with a 21 point binomial filter. No further corrections were applied.

The conductivity, temperature, pressure, and light transmission data were digitized at 2 dbar intervals. These data formed the basis for all subsequent calculations.

DATA PROCESSING

The calibrated temperature, salinity and pressure data were used to to calculate density using the international equation of state for sea water (EOS-80), as given by Gill (1982). Potential temperature was calculated from Bryden's polynomial (Bryden,1973). Sound speed was computed from Wilson's equation (Tolstoy and Clay,1966). The Väisälä frequency was computed from the vertical density gradient and the compressibility term, with the gravity based on the international reference ellipsoid of 1980. A centered difference was used to calculate the vertical density gradient. A quadratic equation was used the calculate depth; the equation involved the integral of specific volume with respect to pressure and a gravity dependent upon latitude and pressure. The transport function was computed as the integral of dynamic height with respect to depth.

The CTD listings and units are as follows:

1. PRESSURE — pressure in decibars
2. DEPTH — depth in meters
3. TEMP — temperature in degrees Celsius
4. POT.T. — potential temperature in degrees Celsius
5. SAL — salinity in per mille
6. SIGMA-θ — potential density - 1000.0 in kg/m^3
7. SIGMA-Z — density in situ - 1000.0 in kg/m^3
8. SIGMA-T — density as f(T,S,0)-1000.0 in kg/m^3
9. DELTA — specific volume anomaly in m^3/kg
10. DYN.HT — dynamic height in $J/kg = m^2/s^2$
11. LTR — light transmission in per cent
12. SV — sound speed in m/s
13. TF — transport function in m^3/s^2
14. N^2 — Väisälä fequency squared in $(radians/s)^2$

REFERENCES

Bryden,H.L., New polynomials for thermal expansion, adiabatic temperature gradient and potential temperature gradient of sea water. *Deep Sea Research*,20: 401-408, 1973.

Gill.A.E., *Atmosphere Ocean Dynamics*, Academic Press, New York, pp.599-602, 1982.

Tolstoy,I., and C.S.Clay, *Ocean Acoustics*, McGraw Hill, p. 293, 1966.

STATION POSITIONS,DEPTHS AND METEOROLOGICAL LOG

A listing of the station positions, times,depths and meteorological observations are given as follows:

1. dates and times are given in Greenwich mean time.

2. depths of the ocean floor are in meters, as obtained from the Universal Depth Recorder using a constant sound speed of 1500 m/s. No corrections for sound speed variability with depth have been applied.

3. atmospheric pressure was read from the barometer on the bridge of the *R/V New Horizon*, about 7 m above sea level, and is given in millibars and tenths.

4. wind speed and direction were obtained from a readout on the bridge of the *R/V New Horizon* and are given in knots and degrees true.

5. dry and wet bulb temperatures were read from thermometers mounted in a box on the ship's pilot house and are given in degrees Celsius and tenths.

Station Positions
Depths
Meteorological Log

Station	Latitude N	Longitude W	Depth (m)	Atm. pres. (mb)	Wind (kn)	Wind (°true)	Dry °C	Wet °C	Date GMT	Time GMT
0	32°32.08' N	118° 7.92' W	1900	1014.6	14.	280.	20.7	18.1	19 Aug 1989	20:44
1	31°37.08' N	126° 0.11' W	4350	1015.4	14.	0.	19.0	18.0	21 Aug 1989	14:34
2	31°42.87' N	126°12.07' W	2850	1016.5	10.	0.	19.0	16.0	21 Aug 1989	18:27
3	31°44.68' N	126°14.78' W	1515	1015.8	6.	2.	20.3	18.3	21 Aug 1989	21:40
4	31°49.15' N	126°21.95' W	3925	1015.1	6.	3.	18.7	17.5	21 Aug 1989	23:59
5	31°56.16' N	126°36.07' W	4260	1015.8	6.	340.	19.5	17.8	22 Aug 1989	03:39
6	32° 4.83' N	126°50.81' W	2400	1015.8	6.	335.	18.4	18.1	22 Aug 1989	07:08
7	32° 6.16' N	126°54.99' W	1260	1015.2	8.	345.	18.5	18.2	22 Aug 1989	09:28
8	32° 7.91' N	126°59.64' W	3020	1015.2	13.	340.	18.2	18.2	22 Aug 1989	11:24
9	32°13.89' N	127° 9.83' W	3000	1016.3	13.	15.	18.4	17.1	22 Aug 1989	14:41
10	32°15.88' N	127°14.83' W	1070	1017.5	14.	20.	18.2	17.3	22 Aug 1989	17:21
11	32°17.88' N	127°19.83' W	3593	1018.0	11.	10.	18.9	17.8	22 Aug 1989	18:51
12	32°21.25' N	127°29.86' W	4183	1017.6	15.	3.	19.8	17.5	22 Aug 1989	22:00
13	32°23.07' N	127°35.94' W	3200	1017.6	10.	10.	19.3	17.2	23 Aug 1989	00:32
14	32°24.03' N	127°41.19' W	1350	1018.0	13.	10.	18.9	17.7	23 Aug 1989	03:01
15	32°26.05' N	127°45.92' W	480	1018.8	12.	0.	19.5	18.1	23 Aug 1989	04:35
16	32°29.17' N	127°50.68' W	1625	1019.0	10.	350.	19.3	18.1	23 Aug 1989	05:53
17	32°30.13' N	127°55.84' W	3810	1019.4	8.	0.	18.6	18.1	23 Aug 1989	07:38
18	32°32.14' N	128° 1.00' W	4050	1019.4	10.	10.	18.8	18.5	23 Aug 1989	10:21
19	31°59.04' N	128°41.38' W	4125	1021.2	13.	12.	19.6	18.4	23 Aug 1989	16:48
20	32°12.37' N	128°33.21' W	4425	1021.8	16.	35.	19.9	17.3	23 Aug 1989	20:17
21	32°25.21' N	128°25.22' W	4250	1021.2	15.	25.	19.6	16.2	24 Aug 1989	00:04
22	32°39.07' N	128°17.09' W	4400	1021.6	16.	25.	19.0	16.6	24 Aug 1989	03:41
23	32°52.51' N	128° 9.02' W	4400	1021.7	18.	15.	18.6	16.5	24 Aug 1989	07:39
24	33° 5.62' N	128° 0.94' W	4500	1021.3	13.	20.	18.5	16.1	24 Aug 1989	11:36
25	33°19.17' N	127°52.71' W	4525	1021.3	15.	0.	19.4	16.8	24 Aug 1989	14:48
26	33°12.06' N	127°36.60' W	4500	1021.1	17.	5.	19.6	17.2	24 Aug 1989	18:17
27	32°59.22' N	127°44.74' W	4225	1019.6	18.	5.	20.1	17.4	24 Aug 1989	21:38
28	32°45.57' N	127°52.66' W	4525	1018.3	22.	0.	20.1	17.2	25 Aug 1989	01:09
29	32°32.59' N	128° 0.77' W	4400	1018.8	16.	5.	19.4	17.2	25 Aug 1989	05:08
30	32°19.10' N	128° 8.88' W	4350	1018.5	12.	355.	18.8	16.4	25 Aug 1989	09:17
31	32° 5.82' N	128°16.92' W	4400	1018.0	17.	5.	19.2	18.1	25 Aug 1989	14:23
32	31°52.31' N	128°24.98' W	4425	1017.9	11.	350.	20.1	17.0	25 Aug 1989	17:38
33	31°46.03' N	128°10.30' W	4325	1017.5	14.	0.	20.0	17.6	25 Aug 1989	20:55
34	31°58.36' N	128° 2.32' W	4150	1016.2	14.	5.	19.8	17.0	26 Aug 1989	00:15
35	32°12.90' N	127°54.80' W	3950	1016.3	12.	345.	19.7	18.0	26 Aug 1989	03:25
36	32°19.12' N	127°50.46' W	3000	1016.3	12.	10.	19.3	17.9	26 Aug 1989	06:18
37	32°22.76' N	127°47.91' W	1500	1016.4	10.	0.	19.2	17.9	26 Aug 1989	08:35
38	32°25.87' N	127°46.16' W	480	1016.0	15.	30.	18.8	17.9	26 Aug 1989	10:05
39	32°29.06' N	127°44.10' W	1500	1015.8	12.	25.	19.0	18.0	26 Aug 1989	11:36
40	32°32.21' N	127°42.85' W	3200	1015.9	9.	0.	19.1	18.0	26 Aug 1989	13:09
41	32°39.75' N	127°37.44' W	4325	1017.1	11.	20.	19.2	16.0	26 Aug 1989	15:44
42	32°52.85' N	127°29.28' W	4450	1018.0	15.	355.	19.0	17.2	26 Aug 1989	19:26
43	33° 4.70' N	127°22.33' W	4300	1017.4	11.	350.	19.5	16.7	26 Aug 1989	22:45
44	32°58.05' N	127° 6.54' W	4325	1016.8	12.	5.	19.6	15.8	27 Aug 1989	02:04
45	32°47.16' N	127°13.66' W	4400	1018.2	11.	355.	19.5	16.0	27 Aug 1989	05:01
46	32°33.21' N	127°22.23' W	4400	1018.3	9.	10.	19.3	16.2	27 Aug 1989	08:13
47	32°21.12' N	127°29.94' W	4100	1017.6	12.	15.	19.1	16.0	27 Aug 1989	11:49
48	32° 5.59' N	127°38.84' W	4300	1018.8	12.	0.	19.0	16.2	27 Aug 1989	16:17
49	31°51.97' N	127°47.40' W	4350	1019.3	8.	20.	20.1	16.9	27 Aug 1989	20:11
50	31°38.69' N	127°55.42' W	4475	1018.0	10.	15.	20.3	17.5	27 Aug 1989	23:22
51	31°32.20' N	127°41.25' W	4100	1018.1	9.	15.	19.4	16.2	28 Aug 1989	02:35
52	31°45.25' N	127°33.43' W	4300	1019.3	12.	40.	19.1	16.7	28 Aug 1989	05:45
53	31°59.19' N	127°24.95' W	4350	1019.2	6.	340.	18.7	16.7	28 Aug 1989	08:56
54	32°12.13' N	127°17.09' W	3200	1018.4	8.	340.	18.3	16.0	28 Aug 1989	12:46
55	32°16.15' N	127°15.05' W	1060	1018.0	9.	5.	18.5	17.1	28 Aug 1989	14:54
56	32°20.09' N	127°12.47' W	3125	1018.7	12.	5.	18.0	17.1	28 Aug 1989	16:12
57	32°26.87' N	127° 8.17' W	4425	1019.3	7.	15.	18.8	17.5	28 Aug 1989	18:35
58	32°39.98' N	126°59.95' W	4400	1018.0	10.	5.	19.3	17.0	28 Aug 1989	22:24
59	32°53.82' N	126°52.05' W	4350	1017.4	13.	10.	18.7	17.4	29 Aug 1989	01:52
60	32°45.13' N	126°31.27' W	4350	1018.1	9.	15.	18.5	15.5	29 Aug 1989	05:37
61	32°31.56' N	126°39.32' W	4375	1018.0	10.	350.	18.5	15.5	29 Aug 1989	08:48
62	32°18.26' N	126°47.26' W	4250	1017.4	7.	340.	18.8	16.2	29 Aug 1989	12:06
63	32°10.64' N	126°51.94' W	3350	1018.0	11.	340.	18.2	16.0	29 Aug 1989	15:14
64	32° 6.20' N	126°55.46' W	1275	1018.8	17.	340.	17.8	16.4	29 Aug 1989	17:39
65	32° 1.27' N	126°57.60' W	2950	1019.0	14.	0.	19.0	16.2	29 Aug 1989	19:26
66	31°49.62' N	127° 4.48' W	4325	1017.9	14.	20.	19.8	16.4	29 Aug 1989	22:28
67	31°37.18' N	127°12.43' W	4050	1017.8	9.	5.	19.3	16.2	30 Aug 1989	02:12
68	31°23.47' N	127°20.78' W	4200	1018.9	8.	15.	19.5	16.5	30 Aug 1989	05:21
69	31°14.43' N	127° 1.10' W	4225	1018.0	12.	350.	19.2	17.0	30 Aug 1989	08:58
70	31°27.41' N	126°53.05' W	4100	1017.1	10.	345.	18.6	18.0	30 Aug 1989	12:12
71	31°40.89' N	126°45.12' W	4325	1017.8	16.	350.	20.3	16.8	30 Aug 1989	15:25
72	31°56.13' N	126°35.96' W	4225	1018.4	15.	20.	18.8	15.8	30 Aug 1989	19:30
73	32°10.13' N	126°27.39' W	4275	1016.8	15.	15.	18.5	15.5	30 Aug 1989	23:25
74	32°23.03' N	126°20.39' W	4225	1016.2	13.	0.	19.3	16.4	31 Aug 1989	03:04

Station	Latitude N	Longitude W	Depth (m)	Atm. pres. (mb)	Wind (kn)	Wind (°true)	Dry °C	Wet °C	Date GMT	Time GMT
75	32°36.51' N	126°11.63' W	4350	1016.5	16.	0.	18.0	15.9	31 Aug 1989	06:21
76	32°27.27' N	125°49.07' W	4300	1016.3	8.	355.	18.1	15.2	31 Aug 1989	10:08
77	32°13.69' N	125°57.18' W	4357	1016.1	11.	345.	18.0	15.5	31 Aug 1989	13:32
78	32° 0.59' N	126° 5.20' W	4050	1017.0	12.	0.	19.0	14.9	31 Aug 1989	16:42
79	31°48.31' N	126°12.21' W	2950	1016.5	11.	5.	19.7	16.1	31 Aug 1989	20:10
80	31°45.22' N	126°15.48' W	1400	1015.8	14.	5.	19.7	16.2	31 Aug 1989	22:48
81	31°40.81' N	126°17.03' W	3000	1015.8	10.	15.	19.9	16.2	01 Sep 1989	00:30
82	31°31.11' N	126°23.28' W	4350	1015.7	9.	10.	19.5	16.7	01 Sep 1989	03:19
83	31°17.85' N	126°30.87' W	4275	1016.7	14.	15.	19.5	16.4	01 Sep 1989	07:06
84	31° 4.16' N	126°38.89' W	4350	1016.3	12.	15.	19.1	16.2	01 Sep 1989	10:23

CTD

Data

Station	0	Latitude	32° 32.08'N		Longitude	118° 07.92'W		19 Aug 1989 GMT 20:44			Bottom	1900 m
Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	18.945	18.945	33.592	23.961	23.961	23.961	393.8	.000	88.8	1517.5	.0	.0
10.0	10.0	17.776	17.774	33.547	24.215	24.259	24.215	369.8	.386	88.3	1514.3	1.9	351.4
20.0	19.9	14.608	14.605	33.434	24.851	24.939	24.850	309.6	.730	88.0	1504.5	7.6	412.3
30.0	29.9	13.354	13.349	33.403	25.087	25.220	25.086	287.3	1.026	87.3	1500.6	16.3	218.6
40.0	39.8	12.152	12.147	33.453	25.360	25.539	25.359	261.5	1.301	87.9	1496.7	27.9	206.9
50.0	49.8	11.442	11.436	33.498	25.528	25.752	25.527	245.7	1.555	88.9	1494.4	42.2	196.9
60.0	59.8	10.912	10.905	33.618	25.717	25.987	25.716	228.0	1.792	90.0	1492.9	58.8	370.4
70.0	69.7	10.686	10.677	33.776	25.880	26.195	25.879	212.7	2.008	90.3	1492.4	77.7	-.9
80.0	79.7	10.553	10.543	33.845	25.957	26.317	25.956	205.5	2.218	90.5	1492.2	98.8	103.0
90.0	89.6	10.404	10.394	33.928	26.048	26.453	26.046	197.1	2.419	90.4	1491.9	121.8	59.4
100.0	99.5	10.305	10.294	33.970	26.098	26.548	26.096	192.7	2.614	90.5	1491.8	146.9	46.5
110.0	109.5	10.206	10.193	34.007	26.144	26.639	26.142	188.5	2.805	90.5	1491.7	173.8	46.2
120.0	119.4	10.147	10.133	34.068	26.202	26.742	26.200	183.2	2.991	90.4	1491.7	202.6	64.6
130.0	129.4	10.075	10.060	34.106	26.244	26.830	26.242	179.3	3.172	90.4	1491.6	233.3	36.2
140.0	139.3	10.069	10.053	34.135	26.268	26.899	26.265	177.3	3.350	90.2	1491.8	265.7	21.6
150.0	149.3	10.037	10.020	34.158	26.291	26.967	26.288	175.4	3.527	90.3	1491.9	299.9	31.0
160.0	159.2	9.987	9.968	34.171	26.310	27.031	26.307	173.8	3.701	90.3	1491.9	335.8	7.3
170.0	169.1	9.962	9.942	34.182	26.323	27.089	26.320	172.8	3.875	90.3	1492.0	373.5	18.1
180.0	179.1	9.894	9.874	34.192	26.343	27.153	26.339	171.1	4.046	90.4	1491.9	412.8	17.5
190.0	189.0	9.857	9.835	34.211	26.364	27.220	26.361	169.3	4.217	90.4	1491.9	453.9	13.4
200.0	198.9	9.780	9.757	34.217	26.382	27.283	26.378	167.8	4.385	90.4	1491.8	496.6	8.4
210.0	208.9	9.677	9.653	34.219	26.401	27.347	26.397	166.2	4.552	90.5	1491.6	541.0	28.3
220.0	218.8	9.563	9.538	34.221	26.421	27.414	26.418	164.3	4.717	90.5	1491.4	587.1	49.7
230.0	228.8	9.173	9.148	34.212	26.478	27.517	26.474	159.1	4.879	90.6	1490.1	634.8	38.5
240.0	238.7	8.856	8.830	34.191	26.512	27.598	26.508	155.9	5.036	90.5	1489.0	684.0	34.3
250.0	248.6	8.795	8.768	34.189	26.520	27.651	26.516	155.3	5.192	90.6	1489.0	734.8	18.2
260.0	258.6	8.897	8.869	34.232	26.538	27.714	26.534	153.8	5.346	90.6	1489.6	787.2	16.2
270.0	268.5	8.985	8.956	34.277	26.560	27.780	26.555	152.1	5.499	90.6	1490.1	841.0	16.5
280.0	278.4	8.843	8.813	34.282	26.586	27.852	26.581	149.7	5.650	90.6	1489.7	896.4	17.1
290.0	288.4	8.719	8.689	34.291	26.612	27.924	26.607	147.3	5.799	90.6	1489.5	953.2	27.9
300.0	298.3	8.539	8.508	34.272	26.625	27.984	26.621	146.1	5.946	90.6	1488.9	1011.6	12.4
310.0	308.2	8.439	8.406	34.266	26.636	28.040	26.631	145.3	6.091	90.6	1488.7	1071.3	5.0
320.0	318.1	8.450	8.417	34.308	26.667	28.117	26.662	142.5	6.236	90.5	1488.9	1132.5	34.3
330.0	328.1	8.401	8.366	34.320	26.684	28.180	26.680	141.0	6.378	90.5	1488.9	1195.2	10.9
340.0	338.0	8.380	8.345	34.331	26.697	28.237	26.691	140.0	6.518	90.5	1489.0	1259.2	-1.4
350.0	347.9	8.391	8.354	34.346	26.707	28.292	26.701	139.3	6.658	90.4	1489.3	1324.6	20.6
360.0	357.9	8.233	8.196	34.342	26.728	28.360	26.722	137.4	6.796	90.4	1488.8	1391.3	24.1
370.0	367.8	8.128	8.090	34.354	26.753	28.431	26.747	135.1	6.932	90.3	1488.6	1459.5	35.5
380.0	377.7	7.993	7.955	34.352	26.772	28.495	26.766	133.5	7.066	90.3	1488.2	1529.0	9.1
390.0	387.6	7.897	7.858	34.348	26.783	28.553	26.777	132.5	7.199	90.2	1488.0	1599.8	6.4
400.0	397.6	7.744	7.705	34.356	26.812	28.628	26.806	129.8	7.331	90.1	1487.6	1671.9	15.2
410.0	407.5	7.714	7.674	34.360	26.819	28.681	26.813	129.2	7.460	89.8	1487.7	1745.3	11.4
420.0	417.4	7.635	7.594	34.363	26.834	28.742	26.828	128.0	7.589	89.9	1487.5	1819.9	20.5
430.0	427.3	7.494	7.452	34.369	26.859	28.814	26.853	125.6	7.716	89.9	1487.2	1895.9	9.0
440.0	437.3	7.488	7.445	34.373	26.862	28.863	26.857	125.4	7.841	89.8	1487.3	1973.0	6.1
450.0	447.2	7.447	7.403	34.379	26.874	28.919	26.867	124.6	7.967	89.8	1487.3	2051.5	16.4
460.0	457.1	7.282	7.237	34.356	26.879	28.972	26.873	124.0	8.091	89.7	1486.8	2131.1	2.0
470.0	467.0	7.089	7.044	34.334	26.888	29.029	26.882	123.1	8.215	89.6	1486.2	2212.0	16.6
480.0	476.9	7.011	6.966	34.329	26.896	29.082	26.889	122.5	8.337	89.6	1486.0	2294.1	12.5
490.0	486.9	6.952	6.906	34.329	26.903	29.136	26.897	121.9	8.460	89.4	1486.0	2377.4	27.7
500.0	496.8	6.704	6.658	34.317	26.927	29.208	26.921	119.5	8.580	89.4	1485.1	2461.9	14.8
510.0	506.7	6.641	6.594	34.314	26.934	29.260	26.927	119.0	8.700	89.3	1485.0	2547.6	-1.3
520.0	516.6	6.629	6.582	34.313	26.935	29.307	26.928	119.0	8.818	89.3	1485.2	2634.5	1.3
530.0	526.5	6.613	6.564	34.312	26.936	29.354	26.930	118.9	8.938	89.4	1485.3	2722.5	3.4
540.0	536.4	6.585	6.535	34.312	26.940	29.404	26.933	118.7	9.056	89.3	1485.3	2811.7	12.1
550.0	546.4	6.424	6.374	34.310	26.959	29.471	26.953	116.8	9.174	89.3	1484.8	2902.1	15.0
560.0	556.3	6.310	6.260	34.314	26.978	29.536	26.971	115.1	9.290	89.4	1484.6	2993.6	17.1
570.0	566.2	6.223	6.173	34.323	26.996	29.601	26.989	113.5	9.405	89.4	1484.4	3086.3	-.8
580.0	576.1	6.157	6.106	34.324	27.005	29.656	26.999	112.6	9.518	89.4	1484.3	3180.1	16.8
590.0	586.0	6.065	6.013	34.325	27.018	29.715	27.011	111.5	9.630	89.6	1484.1	3275.0	25.5
600.0	595.9	6.079	6.026	34.333	27.023	29.766	27.016	111.1	9.741	89.6	1484.3	3371.0	8.3
610.0	605.8	5.892	5.839	34.326	27.041	29.832	27.034	109.3	9.852	89.7	1483.7	3468.2	16.4
620.0	615.8	5.990	5.935	34.348	27.045	29.881	27.039	109.2	9.961	89.7	1484.3	3566.3	19.1
630.0	625.7	5.705	5.651	34.338	27.073	29.958	27.067	106.3	10.068	89.8	1483.3	3665.6	21.1
640.0	635.6	5.680	5.625	34.348	27.085	30.015	27.078	105.3	10.174	89.8	1483.4	3765.9	3.0
650.0	645.5	5.618	5.562	34.354	27.096	30.074	27.090	104.2	10.279	89.8	1483.3	3867.2	13.2
660.0	655.4	5.557	5.501	34.371	27.117	30.141	27.111	102.3	10.382	89.9	1483.2	3969.6	19.6
670.0	665.3	5.486	5.430	34.376	27.130	30.200	27.123	101.1	10.484	89.9	1483.1	4073.0	15.2
680.0	675.2	5.493	5.436	34.380	27.133	30.248	27.126	101.0	10.585	89.9	1483.3	4177.4	1.5
690.0	685.1	5.430	5.372	34.377	27.138	30.300	27.131	100.6	10.686	90.1	1483.2	4282.7	4.1
700.0	695.0	5.423	5.364	34.382	27.143	30.351	27.136	100.2	10.786	89.9	1483.4	4389.1	13.2
710.0	704.9	5.391	5.332	34.383	27.147	30.401	27.140	99.8	10.886	90.2	1483.4	4496.5	3.2
720.0	714.8	5.360	5.300	34.388	27.155	30.455	27.148	99.2	10.986	90.2	1483.4	4604.8	12.6
730.0	724.7	5.320	5.259	34.393	27.164	30.510	27.157	98.4	11.085	90.2	1483.4	4714.1	5.0
740.0	734.6	5.236	5.175	34.401	27.180	30.573	27.173	96.9	11.182	90.3	1483.3	4824.4	9.1
750.0	744.5	5.174	5.112	34.398	27.185	30.625	27.178	96.4	11.279	90.3	1483.2	4935.6	4.4
760.0	754.5	5.150	5.088	34.403	27.191	30.677	27.184	95.9	11.375	90.3	1483.3	5047.8	9.4
770.0	764.4	5.112	5.049	34.406	27.198	30.730	27.191	95.3	11.470	90.3	1483.3	5160.9	1.8
780.0	774.3	5.087	5.023	34.408	27.203	30.781	27.196	94.9	11.566	90.3	1483.3	5275.0	8.5
790.0	784.2	5.048	4.983	34.416	27.214	30.838	27.206	93.9	11.660	90.4	1483.3	5390.0	12.6
800.0	794.1	4.990	4.925	34.415	27.220	30.891	27.213	93.4	11.754	90.4	1483.3	5505.9	5.3
810.0	804.0	4.933	4.867	34.421	27.232	30.949	27.224	92.3	11.847	90.5	1483.2	5622.7	3.8
820.0	813.9	4.874	4.808	34.426	27.242	31.006	27.235	91.3	11.939	90.5	1483.1	5740.5	2.1
830.0	823.8	4.850	4.782	34.426	27.246	31.055	27.238	91.1	12.030	90.5	1483.2	5859.1	7.9
840.0	833.7	4.793	4.725	34.433	27.257	31.114	27.250	90.0	12.120	90.6	1483.1	5978.6	17.0
850.0	843.6	4.728	4.660	34.439	27.269	31.172	27.261	88.9	12.210	90.5	1483.0	6099.1	12.0
860.0	853.5	4.696	4.628	34.441	27.274	31.223	27.266	88.4	12.299	90.7	1483.1	6220.3	9.4
870.0	863.4	4.674	4.604	34.442	27.278	31.273	27.270	88.2	12.387	90.6	1483.2	6342.5	12.3
880.0	873.3	4.597	4.527	34.449	27.292	31.334	27.284	86.8	12.474	90.6	1483.0	6465.5	.6
890.0	883.2	4.591	4.521	34.449	27.292	31.381	27.285	86.8	12.561	90.6	1483.2	6589.4	4.4
900.0	893.0	4.577	4.505	34.450	27.295	31.429	27.287	86.7	12.648	90.6	1483.3	6714.2	2.9
910.0	902.9	4.566	4.494	34.451	27.297	31.477	27.289	86.5	12.734	90.6	1483.4	6839.8	.0
920.0	912.8	4.545	4.473	34.452	27.300	31.526	27.292	86.3	12.821	90.5	1483.5	6966.2	15.3
930.0	922.7	4.479	4.406	34.457	27.312	31.584	27.304	85.2	12.907	90.6	1483.4	7093.5	10.0
940.0	932.6	4.415	4.341	34.461	27.321	31.641	27.313	84.2	12.992	90.6	1483.3	7221.6	19.6
950.0	942.5	4.375	4.301	34.464	27.328	31.694	27.320	83.6	13.075	90.7	1483.3	7350.5	1.2
960.0	952.4	4.368	4.293	34.464	27.329	31.741	27.321	83.6	13.159	90.7	1483.4	7480.3	5.6
970.0	962.3	4.341	4.266	34.465	27.333	31.791	27.325	83.3	13.243	90.6	1483.5	7610.9	4.1
980.0	972.2	4.298	4.222	34.468	27.340	31.844	27.332	82.6	13.326	90.6	1483.4	7742.3	1.2
990.0	982.1	4.284	4.207	34.468	27.342	31.892	27.334	82.5	13.408	90.5	1483.5	7874.5	3.3

Station 0 Latitude 32° 32.08'N Longitude 118° 07.92'W 19 Aug 1989 GMT 20:44 Bottom 1900 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.0	4.234	4.157	34.471	27.349	31.946	27.341	81.8	13.490	90.6	1483.5	8007.6	3.0
1020.0	1011.8	4.204	4.125	34.474	27.355	32.044	27.347	81.4	13.653	90.6	1483.7	8276.0	10.9
1040.0	1031.5	4.150	4.070	34.477	27.362	32.144	27.354	80.8	13.815	90.5	1483.8	8547.7	6.5
1060.0	1051.3	4.095	4.013	34.482	27.373	32.246	27.364	79.8	13.976	90.6	1483.9	8822.5	5.0
1080.0	1071.1	4.046	3.963	34.485	27.381	32.346	27.372	79.2	14.135	90.5	1484.1	9100.4	.9
1100.0	1090.9	4.016	3.932	34.487	27.385	32.442	27.376	78.9	14.293	90.5	1484.3	9381.5	1.8
1120.0	1110.6	3.974	3.888	34.491	27.393	32.542	27.384	78.2	14.450	90.5	1484.4	9665.6	9.2
1140.0	1130.4	3.894	3.807	34.497	27.406	32.649	27.397	76.9	14.606	90.5	1484.4	9952.8	20.0
1160.0	1150.2	3.772	3.685	34.508	27.427	32.764	27.418	74.8	14.757	90.6	1484.3	10243.0	3.0
1180.0	1169.9	3.697	3.609	34.513	27.438	32.868	27.429	73.7	14.905	90.5	1484.3	10536.1	5.4
1200.0	1189.7	3.589	3.500	34.522	27.456	32.980	27.447	71.9	15.051	90.5	1484.2	10832.1	5.3
1220.0	1209.5	3.531	3.441	34.526	27.465	33.082	27.456	71.1	15.194	90.6	1484.3	11130.9	8.6
1240.0	1229.2	3.475	3.384	34.530	27.474	33.183	27.465	70.3	15.336	90.5	1484.4	11432.5	3.6
1260.0	1249.0	3.422	3.330	34.533	27.482	33.284	27.473	69.5	15.475	90.5	1484.5	11736.9	3.6
1280.0	1268.7	3.360	3.267	34.538	27.492	33.386	27.483	68.6	15.613	90.5	1484.5	12043.9	8.3
1300.0	1288.5	3.319	3.224	34.541	27.498	33.485	27.489	68.0	15.750	90.5	1484.7	12353.7	10.9
1320.0	1308.2	3.264	3.168	34.546	27.507	33.586	27.498	67.2	15.885	90.5	1484.8	12666.1	8.6
1340.0	1328.0	3.240	3.142	34.547	27.510	33.681	27.501	66.9	16.019	90.5	1485.0	12981.1	4.2
1350.0	1337.8	3.213	3.115	34.549	27.514	33.732	27.505	66.5	16.086	90.5	1485.1	13139.6	.0

Station 1 Latitude 31° 37.08'N Longitude 126° 00.11'W 21 Aug 1989 GMT 14:34 Bottom 4350 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	18.807	18.807	33.419	23.863	23.863	23.863	403.1	.000	90.0	1516.9	.0	.0
10.0	10.0	18.806	18.804	33.419	23.864	23.907	23.864	403.4	.403	90.0	1517.1	2.0	1.1
20.0	19.9	18.808	18.804	33.420	23.864	23.951	23.863	403.7	.807	90.0	1517.3	8.0	.9
30.0	29.9	18.810	18.805	33.419	23.863	23.994	23.862	404.1	1.211	90.0	1517.4	18.1	.8
40.0	39.9	18.740	18.733	33.426	23.888	24.061	23.886	402.2	1.615	90.0	1517.4	32.2	119.1
50.0	49.8	18.511	18.503	33.450	23.963	24.180	23.961	395.4	2.012	90.0	1516.9	50.3	23.6
60.0	59.8	18.274	18.264	33.453	24.024	24.286	24.022	389.8	2.406	90.0	1516.4	72.3	86.2
70.0	69.8	17.363	17.352	33.463	24.253	24.559	24.250	368.3	2.788	90.0	1513.9	98.2	354.6
80.0	79.8	15.946	15.933	33.521	24.626	24.977	24.623	332.9	3.136	90.1	1509.8	127.7	260.6
90.0	89.7	15.772	15.758	33.557	24.693	25.089	24.690	326.8	3.466	90.2	1509.5	160.6	21.7
100.0	99.7	15.632	15.616	33.697	24.832	25.272	24.829	313.9	3.790	90.2	1509.4	196.7	228.1
110.0	109.6	15.608	15.591	33.707	24.846	25.329	24.842	312.9	4.103	90.2	1509.5	236.0	173.7
120.0	119.6	14.921	14.903	33.739	25.022	25.551	25.018	296.3	4.405	90.2	1507.5	278.4	27.5
130.0	129.5	14.496	14.477	33.713	25.093	25.667	25.089	289.8	4.699	90.4	1506.3	323.7	86.5
140.0	139.5	13.616	13.596	33.642	25.221	25.842	25.217	277.6	4.982	90.5	1503.5	371.9	103.4
150.0	149.4	12.734	12.714	33.592	25.359	26.027	25.355	264.6	5.252	90.5	1500.6	422.9	105.0
160.0	159.4	12.214	12.193	33.594	25.461	26.175	25.457	255.0	5.511	90.6	1499.0	476.4	219.9
170.0	169.3	11.218	11.197	33.575	25.631	26.393	25.627	238.8	5.757	90.7	1495.7	532.5	198.4
180.0	179.3	10.339	10.318	33.606	25.810	26.620	25.806	221.7	5.987	90.8	1492.8	590.9	219.0
190.0	189.2	9.726	9.704	33.675	25.967	26.824	25.964	206.8	6.201	90.8	1490.8	651.5	129.9
200.0	199.2	9.340	9.319	33.739	26.080	26.984	26.076	196.1	6.404	90.8	1489.6	714.1	124.5
210.0	209.1	9.062	9.040	33.820	26.188	27.138	26.185	186.0	6.595	90.7	1488.8	778.8	97.3
220.0	219.1	8.832	8.808	33.889	26.279	27.275	26.275	177.5	6.777	90.8	1488.2	845.2	41.0
230.0	229.0	8.665	8.641	33.931	26.337	27.380	26.334	172.1	6.951	90.8	1487.8	913.4	41.0
240.0	238.9	8.534	8.509	33.955	26.376	27.465	26.373	168.5	7.122	90.8	1487.5	983.4	8.5
250.0	248.9	8.476	8.450	33.965	26.394	27.528	26.390	167.0	7.290	90.8	1487.5	1055.0	27.8
260.0	258.8	8.355	8.329	33.985	26.428	27.608	26.424	163.9	7.455	90.8	1487.2	1128.2	2.6
270.0	268.7	8.257	8.229	33.984	26.442	27.667	26.438	162.7	7.618	90.8	1487.0	1203.1	45.6
280.0	278.7	7.945	7.917	33.999	26.500	27.772	26.496	157.2	7.779	90.8	1486.0	1279.6	47.6
290.0	288.6	7.878	7.849	33.998	26.509	27.828	26.505	156.5	7.935	90.7	1485.9	1357.6	8.7
300.0	298.5	7.816	7.786	33.998	26.519	27.883	26.514	155.7	8.092	90.8	1485.8	1437.2	4.0
310.0	308.5	7.612	7.582	34.001	26.550	27.961	26.546	152.7	8.245	90.8	1485.2	1518.3	6.3
320.0	318.4	7.392	7.361	34.007	26.586	28.044	26.582	149.4	8.397	90.7	1484.5	1601.0	22.6
330.0	328.3	7.216	7.185	34.013	26.616	28.121	26.612	146.6	8.545	90.7	1484.0	1685.1	36.4
340.0	338.3	7.036	7.004	34.014	26.642	28.194	26.638	144.1	8.691	90.7	1483.4	1770.7	37.5
350.0	348.2	6.903	6.871	34.011	26.658	28.256	26.653	142.7	8.834	90.7	1483.1	1857.7	16.7
360.0	358.1	6.761	6.728	34.011	26.676	28.322	26.672	141.0	8.976	90.7	1482.7	1946.1	10.8
370.0	368.0	6.687	6.653	34.023	26.696	28.387	26.691	139.2	9.116	90.6	1482.6	2035.9	8.8
380.0	378.0	6.563	6.528	34.027	26.716	28.454	26.711	137.4	9.254	90.7	1482.2	2127.0	7.0
390.0	387.9	6.434	6.400	34.033	26.737	28.522	26.733	135.4	9.390	90.7	1481.9	2219.6	15.2
400.0	397.8	6.372	6.337	34.044	26.755	28.585	26.750	133.9	9.525	90.6	1481.8	2313.5	20.1
410.0	407.7	6.286	6.250	34.050	26.770	28.647	26.766	132.4	9.658	90.6	1481.7	2408.7	12.8
420.0	417.7	6.137	6.101	34.058	26.796	28.720	26.792	130.0	9.789	90.6	1481.2	2505.2	15.7
430.0	427.6	6.040	6.002	34.065	26.813	28.784	26.809	128.4	9.919	90.7	1481.0	2602.9	9.0
440.0	437.5	5.945	5.907	34.072	26.831	28.848	26.826	126.8	10.046	90.6	1480.8	2702.0	18.0
450.0	447.4	5.710	5.672	34.061	26.852	28.917	26.847	124.7	10.172	90.6	1480.0	2802.3	29.1
460.0	457.4	5.609	5.570	34.061	26.864	28.976	26.859	123.6	10.297	90.6	1479.8	2903.9	18.3
470.0	467.3	5.604	5.565	34.069	26.871	29.029	26.866	123.1	10.420	90.6	1479.9	3006.6	21.5
480.0	477.2	5.649	5.609	34.102	26.892	29.095	26.887	121.3	10.542	90.7	1480.3	3110.6	17.4
490.0	487.1	5.607	5.566	34.106	26.900	29.149	26.895	120.6	10.663	90.6	1480.3	3215.8	8.6
500.0	497.0	5.546	5.504	34.118	26.917	29.213	26.912	119.0	10.783	90.6	1480.2	3322.1	8.9
510.0	507.0	5.400	5.358	34.130	26.944	29.287	26.939	116.5	10.900	90.6	1479.8	3429.7	8.0
520.0	516.9	5.353	5.310	34.136	26.955	29.344	26.949	115.5	11.017	90.6	1479.8	3538.3	29.7
530.0	526.8	5.300	5.257	34.160	26.979	29.415	26.974	113.2	11.131	90.6	1479.8	3648.2	16.5
540.0	536.7	5.272	5.228	34.162	26.985	29.467	26.980	112.8	11.244	90.6	1479.8	3759.1	11.2
550.0	546.6	5.240	5.195	34.165	26.991	29.519	26.986	112.3	11.356	90.7	1479.9	3871.2	2.5
560.0	556.5	5.210	5.165	34.178	27.005	29.579	26.999	111.1	11.468	90.6	1479.9	3984.3	6.3
570.0	566.5	5.185	5.139	34.188	27.016	29.636	27.010	110.1	11.579	90.6	1480.0	4098.6	15.3
580.0	576.4	5.149	5.102	34.201	27.031	29.697	27.025	108.8	11.688	90.5	1480.0	4213.9	7.4
590.0	586.3	5.100	5.053	34.213	27.045	29.757	27.039	107.5	11.796	90.5	1480.0	4330.3	13.0
600.0	596.2	5.078	5.030	34.228	27.060	29.818	27.054	106.2	11.903	90.6	1480.1	4447.8	28.2
610.0	606.1	5.046	4.997	34.232	27.067	29.871	27.061	105.6	12.009	90.6	1480.1	4566.3	2.5
620.0	616.0	5.009	4.959	34.244	27.080	29.931	27.075	104.4	12.114	90.5	1480.2	4685.9	15.6
630.0	625.9	5.001	4.950	34.256	27.091	29.988	27.086	103.5	12.218	90.5	1480.3	4806.4	10.1
640.0	635.8	5.010	4.958	34.268	27.100	30.042	27.094	102.8	12.321	90.5	1480.5	4928.1	13.0
650.0	645.8	4.910	4.858	34.275	27.117	30.105	27.111	101.2	12.423	90.5	1480.3	5050.7	11.0
660.0	655.7	4.907	4.854	34.292	27.131	30.165	27.124	100.0	12.524	90.5	1480.5	5174.3	2.2
670.0	665.6	4.898	4.845	34.300	27.138	30.218	27.132	99.4	12.623	90.5	1480.6	5298.9	7.2
680.0	675.5	4.874	4.819	34.305	27.145	30.271	27.138	98.9	12.722	90.5	1480.7	5424.4	6.3
690.0	685.4	4.820	4.766	34.312	27.157	30.330	27.150	97.8	12.821	90.5	1480.6	5551.0	8.6
700.0	695.3	4.768	4.712	34.321	27.170	30.389	27.163	96.6	12.918	90.5	1480.6	5678.5	12.2
710.0	705.2	4.731	4.675	34.326	27.177	30.443	27.171	95.9	13.014	90.5	1480.6	5806.9	6.3
720.0	715.1	4.656	4.600	34.329	27.189	30.502	27.183	94.8	13.109	90.5	1480.5	5936.3	7.2
730.0	725.0	4.643	4.586	34.336	27.196	30.554	27.189	94.2	13.204	90.5	1480.6	6066.6	8.1
740.0	734.9	4.609	4.551	34.340	27.203	30.608	27.197	93.6	13.298	90.6	1480.6	6197.9	5.4
750.0	744.8	4.579	4.521	34.344	27.209	30.660	27.203	93.1	13.391	90.5	1480.7	6330.1	2.2
760.0	754.7	4.550	4.491	34.347	27.215	30.712	27.208	92.6	13.484	90.5	1480.7	6463.1	12.5
770.0	764.6	4.478	4.419	34.356	27.230	30.774	27.223	91.2	13.575	90.5	1480.6	6597.1	11.6
780.0	774.5	4.429	4.369	34.359	27.237	30.828	27.231	90.5	13.666	90.5	1480.6	6732.0	7.8
790.0	784.4	4.408	4.347	34.363	27.243	30.880	27.236	90.0	13.756	90.5	1480.6	6867.8	4.8
800.0	794.3	4.384	4.323	34.374	27.254	30.937	27.247	89.0	13.846	90.6	1480.7	7004.5	7.2
810.0	804.2	4.348	4.285	34.384	27.266	30.996	27.260	87.9	13.934	90.5	1480.7	7142.0	14.5
820.0	814.1	4.326	4.263	34.389	27.272	31.048	27.266	87.4	14.022	90.5	1480.8	7280.4	1.0
830.0	824.0	4.304	4.240	34.393	27.278	31.100	27.271	86.9	14.109	90.6	1480.9	7419.6	8.4
840.0	833.9	4.286	4.222	34.396	27.282	31.150	27.276	86.6	14.196	90.5	1481.0	7559.7	1.9
850.0	843.8	4.260	4.195	34.402	27.290	31.204	27.283	85.9	14.282	90.4	1481.1	7700.7	5.7
860.0	853.7	4.230	4.165	34.407	27.297	31.257	27.290	85.2	14.368	90.5	1481.1	7842.5	8.4
870.0	863.6	4.189	4.123	34.415	27.308	31.315	27.301	84.2	14.452	90.5	1481.1	7985.1	5.5
880.0	873.5	4.168	4.101	34.420	27.314	31.367	27.307	83.7	14.536	90.5	1481.2	8128.6	14.2
890.0	883.4	4.130	4.063	34.425	27.323	31.422	27.316	82.9	14.620	90.4	1481.2	8272.9	6.3
900.0	893.3	4.113	4.045	34.431	27.329	31.474	27.322	82.4	14.702	90.5	1481.3	8418.0	9.6
910.0	903.2	4.081	4.012	34.435	27.336	31.527	27.329	81.8	14.784	90.5	1481.3	8563.9	9.6
920.0	913.1	4.070	4.001	34.439	27.340	31.576	27.332	81.5	14.866	90.4	1481.5	8710.6	6.1
930.0	923.0	4.059	3.989	34.445	27.346	31.629	27.339	81.0	14.947	90.5	1481.6	8858.1	4.6
940.0	932.9	4.048	3.977	34.450	27.351	31.680	27.344	80.6	15.028	90.5	1481.7	9006.4	2.9
950.0	942.8	4.022	3.950	34.454	27.357	31.732	27.350	80.0	15.108	90.5	1481.8	9155.4	3.7
960.0	952.7	3.983	3.911	34.454	27.361	31.782	27.354	79.7	15.188	90.5	1481.8	9305.3	2.0
970.0	962.6	3.950	3.877	34.455	27.365	31.833	27.358	79.3	15.268	90.5	1481.8	9456.0	6.7
980.0	972.5	3.963	3.889	34.465	27.372	31.885	27.365	78.8	15.347	90.5	1482.0	9607.4	7.9
990.0	982.4	3.938	3.863	34.470	27.378	31.938	27.371	78.2	15.425	90.5	1482.1	9759.6	5.2

Station	1	Latitude	31° 37.08'N		Longitude	126° 00.11'W		21 Aug 1989 GMT 14:34			Bottom	4350 m
Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.3	3.889	3.814	34.470	27.383	31.990	27.376	77.7	15.503	90.5	1482.1	9912.5	2.0
1020.0	1012.0	3.860	3.784	34.476	27.392	32.090	27.384	77.1	15.658	90.5	1482.3	10220.7	7.6
1040.0	1031.8	3.823	3.746	34.481	27.399	32.190	27.392	76.4	15.811	90.5	1482.5	10532.0	4.9
1060.0	1051.6	3.772	3.693	34.486	27.408	32.291	27.400	75.7	15.963	90.6	1482.6	10846.2	5.2
1080.0	1071.4	3.715	3.635	34.496	27.422	32.397	27.414	74.4	16.114	90.5	1482.7	11163.3	.3
1100.0	1091.2	3.684	3.602	34.500	27.429	32.496	27.421	73.9	16.262	90.5	1482.9	11483.4	2.0
1120.0	1110.9	3.637	3.554	34.502	27.435	32.594	27.427	73.4	16.409	90.5	1483.0	11806.4	.9
1140.0	1130.7	3.586	3.502	34.504	27.442	32.694	27.434	72.7	16.555	90.4	1483.1	12132.2	10.0
1160.0	1150.5	3.561	3.476	34.508	27.447	32.791	27.439	72.3	16.700	90.5	1483.4	12460.9	1.5
1180.0	1170.2	3.507	3.421	34.512	27.456	32.892	27.447	71.5	16.844	90.5	1483.5	12792.4	3.5
1200.0	1190.0	3.487	3.399	34.517	27.462	32.990	27.454	71.0	16.987	90.5	1483.7	13126.7	8.5
1220.0	1209.7	3.445	3.355	34.521	27.470	33.089	27.461	70.4	17.128	90.5	1483.9	13463.8	5.0
1240.0	1229.5	3.409	3.319	34.525	27.476	33.188	27.467	69.8	17.268	90.5	1484.1	13803.6	4.8
1260.0	1249.3	3.368	3.276	34.528	27.482	33.286	27.473	69.3	17.407	90.4	1484.2	14146.2	7.4
1280.0	1269.0	3.316	3.223	34.529	27.489	33.385	27.480	68.7	17.545	90.5	1484.3	14491.4	1.5
1300.0	1288.8	3.291	3.197	34.535	27.496	33.484	27.487	68.1	17.682	90.5	1484.6	14839.4	2.4
1320.0	1308.5	3.255	3.159	34.538	27.502	33.582	27.493	67.6	17.818	90.5	1484.8	15189.9	2.2
1340.0	1328.3	3.212	3.115	34.542	27.509	33.681	27.500	67.0	17.953	90.4	1484.9	15543.2	5.1
1360.0	1348.0	3.167	3.068	34.546	27.516	33.781	27.507	66.3	18.086	90.4	1485.1	15899.0	-1.0
1380.0	1367.8	3.124	3.024	34.549	27.523	33.880	27.513	65.7	18.218	90.4	1485.2	16257.4	4.5
1400.0	1387.5	3.083	2.982	34.552	27.529	33.979	27.520	65.1	18.348	90.4	1485.4	16618.4	4.5
1420.0	1407.3	3.039	2.937	34.555	27.536	34.077	27.526	64.4	18.478	90.5	1485.5	16981.9	3.1
1440.0	1427.0	2.999	2.896	34.558	27.542	34.175	27.532	63.9	18.606	90.4	1485.7	17347.9	9.5
1460.0	1446.7	2.946	2.842	34.559	27.548	34.274	27.538	63.3	18.733	90.4	1485.8	17716.4	.8
1480.0	1466.5	2.921	2.816	34.560	27.551	34.369	27.542	63.0	18.860	90.5	1486.0	18087.4	2.5
1500.0	1486.2	2.887	2.780	34.564	27.556	34.467	27.547	62.5	18.985	90.5	1486.2	18460.8	1.7
1520.0	1505.9	2.842	2.734	34.568	27.565	34.567	27.555	61.7	19.109	90.4	1486.4	18836.6	1.1
1540.0	1525.7	2.806	2.697	34.571	27.570	34.664	27.560	61.3	19.232	90.4	1486.5	19214.8	4.0
1560.0	1545.4	2.772	2.662	34.574	27.575	34.762	27.565	60.8	19.354	90.4	1486.7	19595.4	6.1
1580.0	1565.1	2.730	2.618	34.576	27.581	34.860	27.571	60.2	19.475	90.5	1486.9	19978.4	.8
1600.0	1584.8	2.702	2.589	34.578	27.585	34.956	27.575	59.8	19.595	90.4	1487.1	20363.7	-.3
1620.0	1604.6	2.664	2.550	34.581	27.590	35.053	27.581	59.3	19.714	90.4	1487.3	20751.3	3.5
1640.0	1624.3	2.638	2.523	34.584	27.595	35.150	27.585	58.8	19.832	90.5	1487.5	21141.3	5.2
1660.0	1644.0	2.603	2.486	34.587	27.601	35.247	27.591	58.3	19.949	90.4	1487.7	21533.5	6.1
1680.0	1663.7	2.571	2.453	34.588	27.604	35.343	27.594	58.0	20.066	90.4	1487.9	21928.0	4.4
1700.0	1683.4	2.538	2.419	34.590	27.609	35.439	27.599	57.5	20.181	90.4	1488.1	22324.7	6.5
1720.0	1703.1	2.490	2.370	34.589	27.613	35.535	27.602	57.1	20.296	90.4	1488.2	22723.6	2.4
1740.0	1722.8	2.457	2.336	34.592	27.618	35.632	27.608	56.6	20.409	90.4	1488.4	23124.8	3.5
1760.0	1742.6	2.428	2.305	34.597	27.624	35.731	27.614	56.0	20.522	90.4	1488.6	23528.1	2.4
1780.0	1762.3	2.403	2.279	34.600	27.629	35.827	27.618	55.6	20.633	90.4	1488.8	23933.6	3.6
1800.0	1782.0	2.371	2.246	34.600	27.632	35.921	27.621	55.3	20.744	90.4	1489.0	24341.3	1.8
1820.0	1801.7	2.345	2.219	34.602	27.635	36.016	27.625	54.9	20.854	90.4	1489.3	24751.1	1.0
1840.0	1821.4	2.320	2.192	34.604	27.639	36.112	27.629	54.5	20.964	90.4	1489.5	25163.0	4.5
1860.0	1841.1	2.296	2.166	34.606	27.643	36.207	27.632	54.2	21.072	90.4	1489.7	25577.1	1.0
1880.0	1860.8	2.269	2.138	34.609	27.647	36.303	27.637	53.8	21.180	90.3	1489.9	25993.2	1.3
1900.0	1880.5	2.243	2.111	34.611	27.652	36.399	27.641	53.3	21.288	90.4	1490.2	26411.4	1.6
1920.0	1900.2	2.225	2.092	34.613	27.654	36.492	27.643	53.1	21.394	90.4	1490.4	26831.7	1.6
1940.0	1919.8	2.210	2.075	34.614	27.657	36.586	27.646	52.9	21.500	90.4	1490.7	27254.0	3.1
1960.0	1939.5	2.194	2.058	34.619	27.662	36.682	27.650	52.5	21.606	90.4	1491.0	27678.3	4.0
1980.0	1959.2	2.179	2.041	34.621	27.664	36.776	27.654	52.2	21.710	90.4	1491.2	28104.7	4.9
2000.0	1978.9	2.164	2.024	34.621	27.667	36.868	27.655	52.1	21.815	90.3	1491.5	28533.1	.2
2050.0	2028.1	2.110	1.967	34.626	27.675	37.105	27.663	51.3	22.073	90.3	1492.1	29612.9	4.0
2100.0	2077.3	2.067	1.921	34.630	27.682	37.339	27.670	50.7	22.328	90.4	1492.8	30705.1	.3
2150.0	2126.5	2.035	1.885	34.633	27.687	37.570	27.675	50.3	22.580	90.4	1493.5	31809.5	1.5
2200.0	2175.7	1.997	1.844	34.638	27.694	37.804	27.682	49.7	22.830	90.3	1494.2	32925.9	1.2
2250.0	2224.8	1.970	1.812	34.640	27.698	38.034	27.686	49.4	23.078	90.4	1494.9	34054.4	.1
2300.0	2274.0	1.938	1.776	34.642	27.702	38.264	27.690	49.0	23.324	90.4	1495.6	35194.7	2.8
2350.0	2323.1	1.901	1.736	34.645	27.708	38.496	27.695	48.5	23.567	90.4	1496.3	36346.7	.8
2400.0	2372.2	1.867	1.698	34.649	27.714	38.727	27.701	48.0	23.809	90.4	1497.0	37510.4	1.4
2450.0	2421.4	1.839	1.666	34.651	27.718	38.957	27.705	47.7	24.048	90.4	1497.7	38685.6	.9
2500.0	2470.4	1.817	1.640	34.653	27.721	39.185	27.708	47.4	24.285	90.3	1498.4	39872.3	-.6
2550.0	2519.5	1.790	1.609	34.656	27.726	39.414	27.712	47.0	24.521	90.3	1499.2	41070.2	.1
2600.0	2568.6	1.771	1.586	34.657	27.729	39.641	27.715	46.8	24.756	90.3	1499.9	42279.5	-.5
2650.0	2617.7	1.756	1.567	34.659	27.731	39.867	27.717	46.7	24.990	90.3	1500.7	43500.0	.7
2700.0	2666.8	1.741	1.547	34.660	27.734	40.094	27.720	46.5	25.223	90.3	1501.5	44731.6	3.4
2750.0	2715.8	1.716	1.518	34.662	27.738	40.321	27.723	46.3	25.455	90.4	1502.2	45974.5	4.0
2800.0	2764.8	1.694	1.492	34.663	27.740	40.547	27.726	46.1	25.686	90.2	1503.0	47228.3	1.7
2850.0	2813.9	1.671	1.464	34.666	27.744	40.774	27.729	45.7	25.916	90.3	1503.7	48493.2	-.6
2900.0	2862.9	1.652	1.441	34.667	27.747	41.000	27.732	45.5	26.144	90.3	1504.5	49768.9	-.2
2950.0	2911.9	1.638	1.423	34.668	27.749	41.225	27.734	45.4	26.371	90.3	1505.3	51055.6	.1
3000.0	2960.9	1.625	1.405	34.670	27.752	41.450	27.736	45.3	26.598	90.3	1506.1	52353.1	-.1
3050.0	3009.8	1.617	1.392	34.670	27.753	41.672	27.737	45.3	26.824	90.3	1506.9	53661.4	.2
3100.0	3058.8	1.605	1.376	34.671	27.756	41.896	27.739	45.2	27.051	90.3	1507.7	54980.5	.5
3150.0	3107.8	1.594	1.360	34.672	27.757	42.119	27.741	45.1	27.276	90.3	1508.5	56310.3	.3
3200.0	3156.7	1.582	1.344	34.674	27.760	42.343	27.743	44.9	27.501	90.4	1509.3	57650.9	.0
3250.0	3205.6	1.574	1.331	34.675	27.761	42.565	27.744	44.9	27.726	90.3	1510.1	59002.1	.1
3300.0	3254.6	1.566	1.318	34.676	27.763	42.787	27.746	44.8	27.950	90.3	1510.9	60364.1	1.0
3350.0	3303.5	1.554	1.301	34.677	27.765	43.010	27.747	44.8	28.174	90.3	1511.8	61736.7	-1.0
3400.0	3352.4	1.545	1.288	34.679	27.767	43.232	27.749	44.7	28.398	90.3	1512.6	63119.9	1.7
3450.0	3401.3	1.542	1.279	34.679	27.769	43.452	27.750	44.7	28.621	90.3	1513.4	64513.8	.9
3500.0	3450.1	1.532	1.265	34.681	27.771	43.674	27.752	44.6	28.844	90.3	1514.2	65918.2	-1.1
3550.0	3499.0	1.525	1.253	34.682	27.773	43.895	27.753	44.5	29.067	90.3	1515.1	67333.3	.1
3600.0	3547.9	1.522	1.245	34.683	27.774	44.115	27.754	44.6	29.290	90.3	1515.9	68758.9	-.2
3650.0	3596.7	1.525	1.242	34.682	27.774	44.333	27.753	44.8	29.514	90.3	1516.8	70195.1	-1.0
3700.0	3645.6	1.520	1.233	34.684	27.776	44.553	27.755	44.8	29.737	90.3	1517.6	71642.0	1.1
3750.0	3694.4	1.512	1.220	34.686	27.778	44.773	27.757	44.7	29.961	90.3	1518.4	73099.4	.3
3800.0	3743.2	1.512	1.214	34.686	27.778	44.992	27.757	44.8	30.184	90.3	1519.3	74567.4	.6
3850.0	3792.0	1.506	1.203	34.687	27.780	45.211	27.758	44.7	30.408	90.3	1520.1	76046.0	-.8
3900.0	3840.8	1.507	1.198	34.687	27.781	45.428	27.758	44.9	30.632	90.2	1521.0	77535.2	1.6
3950.0	3889.6	1.509	1.195	34.687	27.781	45.645	27.758	45.0	30.857	90.2	1521.9	79035.1	1.0
4000.0	3938.4	1.509	1.189	34.688	27.782	45.863	27.760	45.0	31.082	90.2	1522.7	80545.6	-1.3
4050.0	3987.1	1.513	1.188	34.688	27.782	46.079	27.759	45.3	31.308	90.2	1523.6	82066.7	-1.2
4100.0	4035.9	1.517	1.186	34.688	27.782	46.295	27.759	45.4	31.535	90.2	1524.5	83598.5	1.2
4150.0	4084.6	1.521	1.185	34.689	27.783	46.510	27.759	45.6	31.762	90.2	1525.4	85141.1	-.8
4200.0	4133.4	1.523	1.181	34.689	27.783	46.726	27.759	45.8	31.991	90.2	1526.2	86694.4	.1
4250.0	4182.1	1.525	1.177	34.689	27.784	46.942	27.759	45.9	32.220	90.1	1527.1	88258.6	1.9
4300.0	4230.8	1.530	1.176	34.690	27.784	47.157	27.759	46.1	32.450	90.2	1528.0	89833.6	.8
4350.0	4279.5	1.532	1.173	34.690	27.785	47.371	27.759	46.3	32.681	90.2	1528.9	91419.5	2.0
4388.0	4316.5	1.532	1.169	34.690	27.785	47.535	27.759	46.3	32.856	90.2	1529.5	92632.0	.0

Station	2	Latitude	31° 42.87'N		Longitude	126° 12.07'W		21 Aug 1989 GMT 18:27			Bottom	2850 m
Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	18.713	18.713	33.357	23.840	23.840	23.840	405.3	.000	90.0	1516.6	.0	.0
10.0	10.0	18.710	18.708	33.357	23.840	23.884	23.840	405.6	.405	90.1	1516.7	2.0	2.2
20.0	19.9	18.710	18.706	33.357	23.841	23.928	23.840	405.9	.811	90.1	1516.9	8.1	.2
30.0	29.9	18.710	18.705	33.357	23.841	23.972	23.840	406.2	1.217	90.1	1517.1	18.2	.5
40.0	39.9	18.714	18.707	33.364	23.846	24.020	23.844	406.2	1.624	90.1	1517.3	32.4	6.9
50.0	49.8	18.685	18.676	33.439	23.911	24.128	23.909	400.3	2.028	89.9	1517.4	50.6	142.8
60.0	59.8	18.495	18.485	33.619	24.096	24.357	24.094	383.0	2.420	89.8	1517.3	72.8	161.8
70.0	69.8	16.971	16.960	33.581	24.435	24.742	24.433	350.9	2.789	89.8	1512.9	98.7	430.0
80.0	79.8	17.046	17.033	33.853	24.628	24.977	24.624	332.9	3.128	90.0	1513.6	128.2	95.1
90.0	89.7	16.534	16.519	33.844	24.740	25.135	24.737	322.4	3.458	90.0	1512.2	161.0	157.4
100.0	99.7	16.188	16.172	33.865	24.836	25.275	24.833	313.6	3.776	90.2	1511.3	197.1	94.7
110.0	109.6	15.697	15.680	33.808	24.904	25.388	24.900	307.4	4.087	90.1	1509.9	236.2	104.0
120.0	119.6	13.856	13.839	33.408	24.991	25.523	24.987	299.0	4.389	90.2	1503.7	278.4	135.3
130.0	129.5	14.813	14.794	33.868	25.145	25.718	25.141	284.9	4.683	90.3	1507.5	323.6	146.0
140.0	139.5	13.582	13.563	33.690	25.266	25.887	25.262	273.4	4.961	90.5	1503.5	371.6	110.4
150.0	149.4	12.897	12.877	33.661	25.381	26.048	25.377	262.6	5.229	90.6	1501.3	422.3	68.7
160.0	159.4	12.205	12.184	33.627	25.489	26.202	25.485	252.4	5.486	90.8	1499.0	475.6	212.0
170.0	169.3	11.058	11.038	33.590	25.671	26.434	25.667	234.9	5.728	90.8	1495.2	531.4	248.4
180.0	179.3	10.211	10.190	33.636	25.855	26.665	25.851	217.4	5.953	90.8	1492.3	589.5	209.6
190.0	189.2	9.874	9.852	33.670	25.939	26.795	25.935	209.6	6.167	90.8	1491.3	649.7	42.6
200.0	199.2	9.675	9.653	33.696	25.992	26.895	25.988	204.6	6.374	90.9	1490.8	712.1	77.5
210.0	209.1	9.418	9.395	33.722	26.054	27.003	26.051	198.8	6.575	91.0	1490.0	776.5	80.3
220.0	219.1	9.104	9.080	33.804	26.169	27.164	26.165	188.0	6.768	90.8	1489.1	842.8	152.3
230.0	229.0	8.889	8.864	33.880	26.263	27.304	26.259	179.2	6.952	90.8	1488.6	911.0	103.4
240.0	238.9	8.763	8.738	33.903	26.301	27.388	26.297	175.8	7.129	90.9	1488.3	980.9	29.0
250.0	248.9	8.596	8.570	33.945	26.360	27.493	26.356	170.3	7.303	90.9	1487.9	1052.6	78.5
260.0	258.8	8.385	8.358	33.962	26.405	27.584	26.401	166.1	7.471	90.8	1487.3	1126.0	52.7
270.0	268.7	8.249	8.221	33.974	26.435	27.661	26.431	163.3	7.636	90.8	1486.9	1201.1	26.3
280.0	278.7	8.078	8.050	33.988	26.472	27.744	26.468	159.9	7.797	90.9	1486.5	1277.7	16.9
290.0	288.6	7.963	7.934	34.001	26.499	27.817	26.495	157.5	7.956	90.8	1486.2	1356.0	53.5
300.0	298.5	7.838	7.808	34.004	26.520	27.884	26.515	155.6	8.112	90.8	1485.9	1435.8	12.5
310.0	308.5	7.612	7.582	34.012	26.559	27.970	26.555	151.9	8.266	90.8	1485.2	1517.1	54.0
320.0	318.4	7.462	7.431	34.019	26.586	28.043	26.581	149.4	8.417	90.8	1484.8	1599.9	24.7
330.0	328.3	7.221	7.190	34.028	26.627	28.132	26.623	145.5	8.565	90.8	1484.0	1684.3	34.3
340.0	338.3	7.116	7.084	34.026	26.640	28.191	26.636	144.4	8.710	90.7	1483.8	1770.0	17.9
350.0	348.2	6.953	6.921	34.027	26.664	28.261	26.659	142.2	8.853	90.7	1483.3	1857.2	13.8
360.0	358.1	6.862	6.829	34.032	26.680	28.324	26.675	140.7	8.995	90.7	1483.1	1945.8	24.6
370.0	368.0	6.788	6.754	34.034	26.692	28.382	26.687	139.8	9.134	90.7	1483.0	2035.8	21.4
380.0	378.0	6.686	6.651	34.037	26.708	28.444	26.703	138.3	9.273	90.7	1482.7	2127.1	9.6
390.0	387.9	6.621	6.586	34.042	26.720	28.503	26.715	137.2	9.411	90.7	1482.6	2219.9	8.5
400.0	397.8	6.548	6.512	34.049	26.736	28.564	26.731	135.8	9.548	90.7	1482.5	2314.0	39.8
410.0	407.7	6.351	6.315	34.054	26.765	28.641	26.760	133.1	9.682	90.6	1481.9	2409.4	41.5
420.0	417.7	6.196	6.160	34.055	26.786	28.709	26.781	131.0	9.814	90.7	1481.5	2506.2	14.0
430.0	427.6	6.063	6.025	34.058	26.805	28.776	26.801	129.2	9.944	90.6	1481.1	2604.2	8.4
440.0	437.5	5.937	5.899	34.070	26.830	28.848	26.826	126.8	10.072	90.7	1480.8	2703.5	38.8
450.0	447.4	5.784	5.746	34.079	26.856	28.921	26.852	124.4	10.198	90.7	1480.3	2804.1	26.2
460.0	457.4	5.711	5.672	34.085	26.871	28.982	26.866	123.0	10.322	90.7	1480.2	2905.9	12.7
470.0	467.3	5.716	5.676	34.102	26.883	29.040	26.879	122.0	10.444	90.6	1480.4	3008.9	13.6
480.0	477.2	5.645	5.604	34.108	26.897	29.100	26.892	120.8	10.566	90.6	1480.3	3113.1	3.4
490.0	487.1	5.620	5.579	34.118	26.908	29.157	26.903	119.9	10.686	90.7	1480.4	3218.5	18.0
500.0	497.0	5.558	5.517	34.130	26.925	29.220	26.920	118.3	10.805	90.7	1480.3	3325.1	14.5
510.0	507.0	5.527	5.485	34.145	26.941	29.282	26.935	116.9	10.923	90.7	1480.4	3432.8	28.3
520.0	516.9	5.469	5.426	34.158	26.958	29.346	26.953	115.3	11.039	90.6	1480.3	3541.7	17.7
530.0	526.8	5.351	5.307	34.157	26.971	29.406	26.966	114.1	11.154	90.6	1480.0	3651.8	15.3
540.0	536.7	5.290	5.246	34.173	26.991	29.473	26.986	112.2	11.267	90.6	1479.9	3763.0	9.5
550.0	546.6	5.248	5.203	34.177	26.999	29.527	26.994	111.5	11.379	90.6	1479.9	3875.2	19.4
560.0	556.5	5.137	5.092	34.181	27.015	29.590	27.010	110.0	11.490	90.6	1479.6	3988.6	5.4
570.0	566.5	5.135	5.089	34.188	27.021	29.642	27.016	109.6	11.599	90.6	1479.8	4103.1	19.7
580.0	576.4	5.116	5.069	34.208	27.040	29.706	27.035	107.9	11.708	90.5	1479.9	4218.6	11.8
590.0	586.3	5.093	5.045	34.219	27.051	29.764	27.046	106.9	11.816	90.6	1480.0	4335.2	13.3
600.0	596.2	5.055	5.006	34.239	27.071	29.830	27.066	105.1	11.922	90.7	1480.0	4452.9	23.5
610.0	606.1	4.980	4.931	34.246	27.085	29.891	27.080	103.8	12.026	90.6	1479.9	4571.6	20.0
620.0	616.0	4.902	4.853	34.258	27.104	29.957	27.099	102.0	12.129	90.6	1479.7	4691.3	8.9
630.0	625.9	4.895	4.845	34.268	27.113	30.011	27.107	101.3	12.231	90.6	1479.9	4812.0	5.7
640.0	635.8	4.862	4.812	34.281	27.127	30.071	27.121	100.0	12.331	90.6	1479.9	4933.7	8.9
650.0	645.8	4.827	4.775	34.295	27.142	30.132	27.136	98.7	12.431	90.6	1480.0	5056.4	7.4
660.0	655.7	4.810	4.758	34.297	27.145	30.181	27.139	98.5	12.529	90.6	1480.1	5180.1	8.0
670.0	665.6	4.772	4.720	34.300	27.152	30.235	27.146	97.9	12.627	90.6	1480.1	5304.7	2.8
680.0	675.5	4.743	4.689	34.308	27.162	30.291	27.156	97.0	12.725	90.6	1480.1	5430.3	14.2
690.0	685.4	4.698	4.644	34.313	27.171	30.346	27.165	96.2	12.821	90.5	1480.1	5556.9	6.3
700.0	695.3	4.666	4.611	34.322	27.182	30.403	27.176	95.2	12.917	90.6	1480.2	5684.4	13.0
710.0	705.2	4.641	4.585	34.330	27.191	30.458	27.184	94.5	13.012	90.6	1480.2	5812.8	10.7
720.0	715.1	4.606	4.550	34.337	27.200	30.514	27.194	93.6	13.106	90.6	1480.3	5942.2	2.5
730.0	725.0	4.580	4.523	34.341	27.207	30.566	27.200	93.1	13.199	90.7	1480.3	6072.4	10.7
740.0	734.9	4.533	4.475	34.353	27.222	30.628	27.215	91.7	13.292	90.6	1480.3	6203.6	15.1
750.0	744.8	4.490	4.431	34.361	27.233	30.685	27.226	90.7	13.383	90.6	1480.3	6335.7	8.0
760.0	754.7	4.446	4.387	34.369	27.243	30.743	27.237	89.7	13.473	90.7	1480.3	6468.7	7.2
770.0	764.6	4.431	4.372	34.371	27.247	30.792	27.241	89.4	13.563	90.6	1480.4	6602.6	15.7
780.0	774.5	4.385	4.325	34.380	27.259	30.851	27.252	88.3	13.651	90.6	1480.4	6737.3	7.8
790.0	784.4	4.344	4.283	34.386	27.269	30.906	27.262	87.5	13.739	90.6	1480.4	6873.0	9.5
800.0	794.3	4.323	4.261	34.391	27.274	30.958	27.268	87.0	13.827	90.5	1480.5	7009.4	18.3
810.0	804.2	4.300	4.238	34.398	27.283	31.013	27.276	86.3	13.913	90.5	1480.6	7146.8	8.1
820.0	814.1	4.281	4.218	34.403	27.288	31.065	27.282	85.8	13.999	90.6	1480.6	7284.9	2.8
830.0	824.0	4.254	4.191	34.407	27.294	31.117	27.288	85.3	14.085	90.6	1480.7	7423.9	8.9
840.0	833.9	4.222	4.158	34.412	27.302	31.171	27.295	84.6	14.170	90.6	1480.7	7563.8	16.6
850.0	843.8	4.205	4.141	34.418	27.309	31.224	27.302	84.0	14.254	90.6	1480.8	7704.5	2.8
860.0	853.7	4.184	4.119	34.422	27.314	31.274	27.307	83.6	14.338	90.7	1480.9	7846.0	9.8
870.0	863.6	4.162	4.096	34.430	27.323	31.330	27.316	82.8	14.421	90.5	1481.0	7988.3	13.1
880.0	873.5	4.130	4.064	34.439	27.333	31.386	27.326	81.9	14.503	90.6	1481.1	8131.5	10.1
890.0	883.4	4.089	4.021	34.442	27.340	31.440	27.333	81.3	14.585	90.6	1481.0	8275.4	2.2
900.0	893.3	4.065	3.997	34.447	27.346	31.492	27.339	80.7	14.666	90.6	1481.1	8420.1	5.5
910.0	903.2	4.047	3.979	34.449	27.350	31.542	27.343	80.4	14.747	90.6	1481.2	8565.7	6.9
920.0	913.1	4.030	3.961	34.455	27.357	31.595	27.350	79.8	14.827	90.6	1481.3	8712.0	1.7
930.0	923.0	4.002	3.932	34.458	27.362	31.646	27.355	79.4	14.906	90.5	1481.4	8859.1	6.1
940.0	932.9	3.984	3.913	34.461	27.367	31.697	27.359	79.0	14.986	90.6	1481.5	9007.0	9.3
950.0	942.8	3.957	3.885	34.466	27.373	31.750	27.366	78.4	15.064	90.6	1481.5	9155.6	2.8
960.0	952.7	3.950	3.878	34.471	27.378	31.800	27.371	78.0	15.143	90.5	1481.7	9305.0	3.4
970.0	962.6	3.927	3.855	34.475	27.384	31.852	27.376	77.6	15.220	90.6	1481.7	9455.2	1.7
980.0	972.5	3.911	3.837	34.478	27.388	31.902	27.380	77.3	15.298	90.6	1481.8	9606.2	4.9
990.0	982.4	3.891	3.817	34.480	27.391	31.951	27.384	76.9	15.375	90.5	1481.9	9757.9	1.4

Station 2 Latitude 31° 42.87'N Longitude 126° 12.07'W 21 Aug 1989 GMT 18:27 Bottom 2850 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.3	3.860	3.785	34.485	27.398	32.005	27.391	76.3	15.452	90.5	1482.0	9910.3	6.7
1020.0	1012.0	3.810	3.735	34.490	27.408	32.107	27.400	75.5	15.604	90.5	1482.1	10217.5	6.7
1040.0	1031.8	3.777	3.700	34.493	27.413	32.204	27.406	75.1	15.754	90.5	1482.3	10527.6	2.3
1060.0	1051.6	3.690	3.611	34.501	27.429	32.313	27.421	73.6	15.902	90.5	1482.3	10840.6	10.2
1080.0	1071.4	3.652	3.573	34.505	27.436	32.412	27.428	73.0	16.049	90.5	1482.4	11156.5	7.0
1100.0	1091.1	3.602	3.521	34.509	27.444	32.513	27.436	72.2	16.194	90.5	1482.6	11475.3	5.5
1120.0	1110.9	3.547	3.465	34.513	27.453	32.615	27.445	71.4	16.338	90.5	1482.7	11796.9	4.1
1140.0	1130.7	3.505	3.421	34.517	27.460	32.714	27.452	70.8	16.480	90.5	1482.8	12121.3	1.7
1160.0	1150.4	3.447	3.363	34.515	27.464	32.811	27.456	70.4	16.621	90.6	1482.9	12448.4	5.0
1180.0	1170.2	3.369	3.284	34.520	27.475	32.915	27.467	69.3	16.761	90.6	1482.9	12778.3	1.5
1200.0	1190.0	3.340	3.253	34.523	27.481	33.013	27.473	68.9	16.899	90.5	1483.1	13110.9	-.6
1220.0	1209.7	3.312	3.224	34.526	27.486	33.110	27.478	68.5	17.037	90.5	1483.3	13446.2	2.1
1240.0	1229.5	3.256	3.167	34.529	27.494	33.211	27.486	67.7	17.173	90.5	1483.4	13784.2	14.4
1260.0	1249.2	3.203	3.112	34.533	27.502	33.311	27.494	66.9	17.308	90.5	1483.5	14124.8	2.7
1280.0	1269.0	3.139	3.047	34.532	27.507	33.410	27.499	66.3	17.441	90.6	1483.6	14468.0	3.6
1300.0	1288.8	3.130	3.037	34.536	27.511	33.505	27.503	66.1	17.573	90.5	1483.9	14813.8	.1
1320.0	1308.5	3.107	3.012	34.540	27.517	33.602	27.508	65.7	17.705	90.5	1484.1	15162.2	1.5
1340.0	1328.3	3.081	2.985	34.542	27.521	33.698	27.512	65.4	17.836	90.5	1484.4	15513.2	4.2
1360.0	1348.0	3.040	2.943	34.545	27.527	33.797	27.518	64.8	17.966	90.5	1484.5	15866.7	5.4
1380.0	1367.7	2.995	2.897	34.548	27.534	33.896	27.525	64.2	18.096	90.4	1484.7	16222.7	.7
1400.0	1387.5	2.969	2.870	34.552	27.539	33.993	27.530	63.7	18.223	90.5	1484.9	16581.2	6.0
1420.0	1407.2	2.908	2.808	34.553	27.545	34.092	27.536	63.1	18.350	90.5	1485.0	16942.2	.1
1440.0	1427.0	2.882	2.780	34.556	27.550	34.189	27.541	62.7	18.476	90.6	1485.2	17305.7	.1
1460.0	1446.7	2.870	2.767	34.557	27.553	34.283	27.544	62.5	18.601	90.5	1485.5	17671.6	1.9
1480.0	1466.4	2.845	2.740	34.561	27.558	34.379	27.549	62.1	18.726	90.5	1485.7	18039.9	1.0
1500.0	1486.2	2.800	2.695	34.563	27.563	34.477	27.554	61.5	18.849	90.5	1485.8	18410.7	1.9
1520.0	1505.9	2.791	2.684	34.565	27.566	34.571	27.557	61.3	18.972	90.5	1486.1	18783.8	1.4
1540.0	1525.6	2.758	2.649	34.569	27.573	34.669	27.563	60.8	19.094	90.5	1486.3	19159.3	.2
1560.0	1545.4	2.733	2.623	34.572	27.578	34.766	27.568	60.4	19.215	90.5	1486.6	19537.2	3.7
1580.0	1565.1	2.693	2.582	34.576	27.584	34.864	27.574	59.8	19.336	90.4	1486.7	19917.4	6.7
1600.0	1584.8	2.644	2.532	34.581	27.592	34.965	27.582	58.9	19.454	90.4	1486.8	20299.9	.5
1620.0	1604.5	2.622	2.508	34.582	27.595	35.060	27.585	58.7	19.572	90.5	1487.1	20684.8	3.8
1640.0	1624.3	2.598	2.483	34.584	27.598	35.155	27.589	58.4	19.689	90.6	1487.3	21071.9	3.8
1660.0	1644.0	2.579	2.463	34.586	27.602	35.250	27.592	58.1	19.805	90.5	1487.6	21461.2	3.8
1680.0	1663.7	2.530	2.413	34.589	27.608	35.348	27.598	57.4	19.920	90.5	1487.7	21852.8	2.3
1700.0	1683.4	2.508	2.390	34.590	27.611	35.443	27.601	57.2	20.035	90.5	1487.9	22246.7	4.1
1720.0	1703.1	2.458	2.339	34.595	27.619	35.544	27.609	56.3	20.148	90.4	1488.1	22642.7	3.2
1740.0	1722.8	2.440	2.319	34.597	27.623	35.638	27.613	56.0	20.260	90.5	1488.3	23040.9	.6
1760.0	1742.5	2.414	2.291	34.601	27.628	35.736	27.618	55.5	20.372	90.5	1488.5	23441.3	1.2
1780.0	1762.2	2.376	2.253	34.603	27.633	35.832	27.623	55.0	20.482	90.4	1488.7	23843.9	.6
1800.0	1781.9	2.328	2.203	34.607	27.641	35.932	27.630	54.2	20.592	90.4	1488.9	24248.6	1.8
1820.0	1801.6	2.309	2.183	34.608	27.643	36.026	27.632	54.0	20.700	90.5	1489.1	24655.3	2.1
1840.0	1821.3	2.274	2.147	34.611	27.648	36.123	27.638	53.5	20.808	90.4	1489.3	25064.2	2.7
1860.0	1841.0	2.257	2.128	34.613	27.651	36.217	27.641	53.2	20.914	90.5	1489.6	25475.1	5.1
1880.0	1860.7	2.252	2.121	34.613	27.652	36.308	27.641	53.3	21.021	90.4	1489.9	25888.1	-.2
1900.0	1880.4	2.233	2.102	34.614	27.654	36.402	27.643	53.1	21.127	90.5	1490.1	26303.2	4.2
1920.0	1900.1	2.210	2.076	34.616	27.658	36.498	27.648	52.7	21.233	90.4	1490.4	26720.3	3.4
1940.0	1919.8	2.179	2.045	34.618	27.663	36.593	27.652	52.2	21.338	90.4	1490.6	27139.4	.2
1960.0	1939.5	2.165	2.029	34.620	27.665	36.687	27.654	52.1	21.442	90.4	1490.8	27560.6	.5
1980.0	1959.2	2.138	2.000	34.622	27.669	36.782	27.658	51.7	21.546	90.4	1491.1	27983.7	-.4
2000.0	1978.9	2.121	1.983	34.624	27.672	36.876	27.661	51.4	21.649	90.4	1491.3	28408.9	-.4
2050.0	2028.1	2.069	1.927	34.631	27.682	37.114	27.671	50.5	21.904	90.5	1491.9	29480.4	6.1
2100.0	2077.3	2.020	1.874	34.634	27.688	37.348	27.677	49.8	22.155	90.5	1492.6	30564.1	2.9
2150.0	2126.5	1.999	1.849	34.636	27.692	37.577	27.680	49.6	22.403	90.4	1493.3	31659.9	-.6
2200.0	2175.6	1.971	1.817	34.638	27.696	37.808	27.684	49.3	22.650	90.5	1494.0	32767.5	1.2
2250.0	2224.8	1.931	1.774	34.642	27.703	38.041	27.691	48.7	22.895	90.4	1494.7	33887.0	4.5
2300.0	2273.9	1.894	1.733	34.646	27.709	38.273	27.696	48.2	23.138	90.4	1495.4	35018.3	1.6
2350.0	2323.1	1.888	1.723	34.646	27.710	38.498	27.697	48.3	23.378	90.4	1496.2	36161.1	.5
2400.0	2372.2	1.855	1.686	34.649	27.715	38.729	27.702	47.8	23.618	90.4	1496.9	37315.4	7.8
2450.0	2421.3	1.825	1.652	34.652	27.720	38.960	27.707	47.4	23.856	90.4	1497.6	38481.2	.0
2500.0	2470.4	1.792	1.615	34.655	27.725	39.190	27.711	46.9	24.091	90.4	1498.3	39658.4	.6
2550.0	2519.5	1.778	1.597	34.656	27.727	39.416	27.714	46.8	24.326	90.4	1499.1	40846.8	.9
2600.0	2568.6	1.738	1.553	34.660	27.733	39.648	27.720	46.2	24.559	90.4	1499.8	42046.4	1.3
2650.0	2617.6	1.708	1.519	34.662	27.737	39.877	27.723	45.8	24.789	90.4	1500.5	43257.1	.1
2700.0	2666.7	1.691	1.498	34.663	27.740	40.103	27.726	45.7	25.018	90.4	1501.3	44478.8	-.1
2750.0	2715.8	1.679	1.482	34.664	27.742	40.328	27.728	45.6	25.245	90.4	1502.1	45711.4	-.1
2780.0	2745.2	1.648	1.448	34.666	27.746	40.467	27.731	45.1	25.381	90.4	1502.5	46456.1	.0

Station 3 Latitude 31° 44.68'N Longitude 126° 14.78'W 21 Aug 1989 GMT 21:40 Bottom 1515 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	18.908	18.908	33.354	23.788	23.788	23.788	410.2	.000	89.4	1517.1	.0	.0
10.0	10.0	18.771	18.769	33.353	23.822	23.866	23.822	407.3	.409	89.8	1516.9	2.0	10.1
20.0	19.9	18.753	18.749	33.352	23.826	23.913	23.825	407.3	.817	89.8	1517.0	8.2	1.2
30.0	29.9	18.753	18.747	33.353	23.827	23.958	23.826	407.6	1.224	89.8	1517.2	18.3	.0
40.0	39.9	18.790	18.783	33.378	23.837	24.011	23.836	407.0	1.632	89.8	1517.5	32.6	75.6
50.0	49.8	18.878	18.870	33.568	23.961	24.178	23.959	395.5	2.034	89.5	1518.1	50.8	205.5
60.0	59.8	18.600	18.590	33.667	24.107	24.367	24.104	382.0	2.423	89.6	1517.6	73.1	115.0
70.0	69.8	15.893	15.882	33.375	24.526	24.834	24.523	342.1	2.783	89.7	1509.3	99.0	298.7
80.0	79.8	15.156	15.144	33.346	24.666	25.019	24.664	329.0	3.116	89.8	1507.2	128.4	92.7
90.0	89.7	15.558	15.545	33.620	24.789	25.185	24.786	317.6	3.440	89.8	1508.9	161.1	63.3
100.0	99.7	14.899	14.884	33.519	24.856	25.297	24.853	311.5	3.755	89.9	1506.9	196.9	67.5
110.0	109.6	14.334	14.318	33.507	24.967	25.454	24.964	301.1	4.061	89.8	1505.2	235.8	99.7
120.0	119.6	13.216	13.200	33.340	25.068	25.601	25.064	291.6	4.358	89.8	1501.5	277.7	136.6
130.0	129.5	13.493	13.475	33.560	25.183	25.760	25.179	281.0	4.645	90.1	1502.8	322.6	130.0
140.0	139.5	13.668	13.648	33.751	25.295	25.916	25.292	270.6	4.922	90.3	1503.8	370.2	105.4
150.0	149.4	13.272	13.251	33.787	25.404	26.070	25.399	260.5	5.188	90.3	1502.7	420.5	110.1
160.0	159.4	11.965	11.945	33.594	25.508	26.223	25.505	250.4	5.444	90.4	1498.2	473.4	32.2
170.0	169.3	11.073	11.052	33.609	25.683	26.445	25.679	233.8	5.688	90.5	1495.2	528.8	245.5
180.0	179.3	10.322	10.301	33.658	25.853	26.664	25.850	217.6	5.913	90.5	1492.8	586.5	102.8
190.0	189.2	9.745	9.724	33.688	25.974	26.831	25.970	206.2	6.124	90.5	1490.9	646.3	63.4
200.0	199.2	9.439	9.417	33.736	26.062	26.966	26.059	197.9	6.326	90.6	1490.0	708.2	56.0
210.0	209.1	9.173	9.150	33.794	26.150	27.100	26.147	189.6	6.521	90.6	1489.2	772.1	43.1
220.0	219.0	9.092	9.068	33.817	26.182	27.177	26.178	186.8	6.709	90.5	1489.1	837.8	52.5
230.0	229.0	8.936	8.912	33.847	26.229	27.271	26.226	182.4	6.893	90.5	1488.7	905.4	12.6
240.0	238.9	8.826	8.800	33.878	26.271	27.358	26.267	178.6	7.073	90.6	1488.5	974.8	126.5
250.0	248.9	8.463	8.437	33.955	26.388	27.522	26.384	167.5	7.246	90.5	1487.4	1046.0	79.9
260.0	258.8	8.344	8.317	33.966	26.414	27.594	26.410	165.2	7.412	90.5	1487.1	1118.8	46.8
270.0	268.7	8.192	8.165	33.981	26.449	27.675	26.445	162.0	7.576	90.4	1486.7	1193.2	87.8
280.0	278.7	8.038	8.010	33.993	26.482	27.753	26.477	159.0	7.736	90.5	1486.3	1269.3	45.6
290.0	288.6	7.849	7.821	34.006	26.520	27.839	26.516	155.4	7.893	90.5	1485.8	1346.9	25.6
300.0	298.5	7.634	7.605	34.009	26.554	27.919	26.550	152.3	8.047	90.5	1485.1	1426.1	.4
310.0	308.5	7.527	7.497	34.010	26.570	27.982	26.566	150.8	8.198	90.4	1484.9	1506.7	24.4
320.0	318.4	7.313	7.283	34.017	26.606	28.064	26.601	147.5	8.347	90.5	1484.2	1588.9	15.0
330.0	328.3	7.152	7.121	34.022	26.632	28.137	26.628	145.0	8.494	90.4	1483.7	1672.5	23.5
340.0	338.2	7.028	6.996	34.027	26.653	28.205	26.649	143.1	8.638	90.4	1483.4	1757.6	27.3
350.0	348.2	6.851	6.819	34.032	26.681	28.279	26.677	140.5	8.779	90.4	1482.9	1844.0	11.1
360.0	358.1	6.707	6.674	34.038	26.705	28.351	26.701	138.2	8.919	90.4	1482.5	1931.9	32.8
370.0	368.0	6.614	6.581	34.043	26.721	28.413	26.717	136.8	9.056	90.4	1482.3	2021.1	42.7
380.0	378.0	6.451	6.417	34.052	26.750	28.489	26.746	134.1	9.191	90.4	1481.8	2111.7	20.1
390.0	387.9	6.335	6.300	34.063	26.774	28.559	26.770	131.9	9.324	90.4	1481.5	2203.6	11.9
400.0	397.8	6.212	6.176	34.067	26.793	28.625	26.789	130.1	9.455	90.4	1481.2	2296.8	11.0
410.0	407.7	6.134	6.099	34.064	26.800	28.679	26.796	129.5	9.585	90.3	1481.1	2391.2	20.1
420.0	417.6	6.019	5.982	34.068	26.819	28.744	26.814	127.7	9.713	90.4	1480.8	2487.0	15.1
430.0	427.6	5.931	5.894	34.074	26.834	28.806	26.830	126.4	9.840	90.4	1480.6	2584.0	20.4
440.0	437.5	5.857	5.820	34.083	26.851	28.869	26.846	124.8	9.966	90.3	1480.5	2682.3	28.3
450.0	447.4	5.776	5.738	34.090	26.867	28.931	26.862	123.4	10.090	90.3	1480.3	2781.8	12.4
460.0	457.3	5.722	5.684	34.100	26.881	28.992	26.876	122.1	10.213	90.3	1480.3	2882.5	15.1
470.0	467.3	5.647	5.608	34.110	26.898	29.055	26.893	120.6	10.334	90.3	1480.1	2984.4	23.6
480.0	477.2	5.615	5.575	34.116	26.907	29.111	26.902	119.8	10.455	90.2	1480.2	3087.5	3.9
490.0	487.1	5.607	5.565	34.129	26.918	29.167	26.913	118.9	10.574	90.3	1480.3	3191.8	5.4
500.0	497.0	5.574	5.532	34.135	26.927	29.222	26.922	118.1	10.692	90.3	1480.4	3297.3	9.8
510.0	506.9	5.493	5.451	34.151	26.949	29.291	26.944	116.1	10.810	90.2	1480.2	3403.9	32.6
520.0	516.9	5.449	5.405	34.166	26.966	29.355	26.961	114.5	10.925	90.2	1480.2	3511.7	6.9
530.0	526.8	5.408	5.364	34.167	26.972	29.406	26.967	114.1	11.039	90.2	1480.2	3620.6	15.7
540.0	536.7	5.338	5.294	34.164	26.978	29.459	26.973	113.5	11.153	90.2	1480.1	3730.7	10.7
550.0	546.6	5.284	5.239	34.173	26.992	29.519	26.986	112.3	11.266	90.2	1480.1	3841.8	18.9
560.0	556.5	5.302	5.256	34.201	27.012	29.584	27.006	110.6	11.377	90.2	1480.3	3954.1	26.5
570.0	566.4	5.189	5.143	34.205	27.029	29.649	27.024	108.9	11.487	90.2	1480.0	4067.4	7.4
580.0	576.3	5.148	5.101	34.202	27.031	29.697	27.026	108.7	11.596	90.2	1480.0	4181.8	4.5
590.0	586.3	5.094	5.046	34.213	27.046	29.758	27.040	107.4	11.703	90.2	1480.0	4297.3	5.7
600.0	596.2	5.084	5.036	34.214	27.048	29.806	27.043	107.3	11.811	90.2	1480.1	4413.9	8.6
610.0	606.1	5.036	4.987	34.229	27.066	29.870	27.060	105.7	11.917	90.1	1480.1	4531.5	9.5
620.0	616.0	5.031	4.981	34.243	27.077	29.927	27.071	104.7	12.023	90.2	1480.3	4650.1	11.8
630.0	625.9	5.007	4.957	34.248	27.084	29.981	27.079	104.1	12.127	90.2	1480.3	4769.8	11.9
640.0	635.8	4.973	4.922	34.249	27.089	30.031	27.083	103.8	12.231	90.2	1480.4	4890.5	3.4
650.0	645.7	4.988	4.936	34.259	27.095	30.083	27.089	103.3	12.335	90.1	1480.6	5012.2	4.5
660.0	655.6	4.949	4.896	34.267	27.106	30.140	27.100	102.4	12.438	90.2	1480.6	5135.0	18.3
670.0	665.5	4.863	4.810	34.268	27.117	30.198	27.111	101.4	12.539	90.2	1480.4	5258.7	6.3
680.0	675.5	4.849	4.795	34.284	27.131	30.258	27.125	100.1	12.640	90.2	1480.5	5383.5	16.8
690.0	685.4	4.831	4.776	34.296	27.143	30.316	27.137	99.1	12.740	90.2	1480.7	5509.2	8.1
700.0	695.3	4.786	4.730	34.312	27.161	30.380	27.154	97.4	12.838	90.2	1480.7	5635.9	12.5
710.0	705.2	4.705	4.649	34.318	27.174	30.441	27.168	96.1	12.935	90.3	1480.5	5763.6	7.5
720.0	715.1	4.663	4.606	34.326	27.185	30.498	27.179	95.1	13.031	90.3	1480.5	5892.2	19.8
730.0	725.0	4.622	4.564	34.335	27.197	30.556	27.191	94.0	13.125	90.2	1480.5	6021.8	1.0
740.0	734.9	4.569	4.511	34.341	27.208	30.614	27.202	93.0	13.219	90.3	1480.4	6152.2	16.0
750.0	744.8	4.535	4.477	34.347	27.216	30.668	27.210	92.3	13.312	90.2	1480.5	6283.6	3.7
760.0	754.7	4.503	4.444	34.355	27.226	30.724	27.219	91.5	13.404	90.3	1480.5	6415.9	16.5
770.0	764.6	4.475	4.416	34.362	27.235	30.779	27.228	90.7	13.495	90.2	1480.6	6549.1	9.2
780.0	774.5	4.447	4.386	34.368	27.243	30.834	27.237	89.9	13.585	90.2	1480.6	6683.2	2.5
790.0	784.4	4.400	4.339	34.377	27.255	30.892	27.249	88.8	13.674	90.2	1480.6	6818.1	17.7
800.0	794.3	4.374	4.313	34.391	27.269	30.952	27.262	87.6	13.763	90.2	1480.7	6954.0	12.5
810.0	804.2	4.324	4.262	34.394	27.277	31.007	27.270	86.8	13.850	90.2	1480.7	7090.7	5.1
820.0	814.1	4.295	4.232	34.401	27.286	31.062	27.279	86.1	13.936	90.2	1480.7	7228.2	6.6
830.0	824.0	4.265	4.202	34.406	27.293	31.115	27.286	85.4	14.022	90.3	1480.8	7366.6	13.9
840.0	833.9	4.233	4.169	34.408	27.297	31.166	27.291	85.1	14.108	90.2	1480.8	7505.9	9.0
850.0	843.8	4.222	4.157	34.413	27.303	31.217	27.296	84.6	14.192	90.3	1480.9	7645.9	1.9
860.0	853.7	4.210	4.144	34.420	27.309	31.270	27.302	84.1	14.277	90.2	1481.0	7786.8	3.1
870.0	863.6	4.166	4.100	34.426	27.320	31.326	27.313	83.1	14.361	90.3	1481.0	7928.6	9.6
880.0	873.5	4.151	4.085	34.434	27.327	31.380	27.320	82.5	14.443	90.3	1481.1	8071.1	6.6
890.0	883.4	4.119	4.051	34.437	27.333	31.433	27.326	81.9	14.525	90.3	1481.2	8214.5	7.8
900.0	893.3	4.106	4.038	34.445	27.341	31.486	27.333	81.3	14.607	90.2	1481.3	8358.6	14.0
910.0	903.2	4.093	4.024	34.453	27.348	31.539	27.341	80.7	14.688	90.3	1481.4	8503.6	1.4
920.0	913.1	4.057	3.988	34.456	27.355	31.592	27.348	80.1	14.769	90.3	1481.4	8649.3	15.1
930.0	923.0	4.028	3.958	34.459	27.361	31.644	27.353	79.6	14.848	90.3	1481.5	8795.8	6.9
940.0	932.9	4.000	3.929	34.464	27.367	31.697	27.360	79.0	14.927	90.3	1481.5	8943.1	1.4
950.0	942.8	3.986	3.914	34.465	27.370	31.745	27.362	78.8	15.006	90.3	1481.6	9091.2	-1.5
960.0	952.7	3.958	3.886	34.470	27.376	31.798	27.369	78.2	15.085	90.3	1481.7	9240.1	3.1
970.0	962.6	3.933	3.861	34.473	27.382	31.850	27.374	77.7	15.163	90.3	1481.8	9389.7	1.1
980.0	972.5	3.910	3.836	34.478	27.388	31.902	27.381	77.2	15.241	90.2	1481.8	9540.1	9.6
990.0	982.3	3.870	3.796	34.483	27.396	31.957	27.389	76.4	15.317	90.2	1481.8	9691.2	8.4

Station 3 Latitude 31° 44.68'N Longitude 126° 14.78'W 21 Aug 1989 GMT 21:40 Bottom 1515 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.825	3.751	34.489	27.405	32.013	27.397	75.6	15.393	90.2	1481.8	9843.1	3.4
1020.0	1012.0	3.761	3.685	34.493	27.415	32.115	27.407	74.7	15.544	90.2	1481.9	10149.0	.5
1040.0	1031.8	3.700	3.623	34.500	27.427	32.220	27.419	73.6	15.692	90.2	1482.0	10457.9	1.1
1060.0	1051.6	3.684	3.605	34.502	27.430	32.314	27.422	73.5	15.839	90.3	1482.2	10769.7	8.7
1080.0	1071.3	3.660	3.580	34.504	27.434	32.410	27.426	73.2	15.986	90.2	1482.5	11084.4	3.8
1100.0	1091.1	3.610	3.529	34.508	27.442	32.511	27.434	72.4	16.132	90.3	1482.6	11401.9	7.6
1120.0	1110.9	3.557	3.475	34.513	27.451	32.612	27.443	71.6	16.276	90.2	1482.7	11722.3	3.8
1140.0	1130.7	3.544	3.461	34.513	27.453	32.706	27.445	71.6	16.419	90.2	1483.0	12045.5	11.1
1160.0	1150.4	3.510	3.425	34.516	27.459	32.803	27.450	71.1	16.562	90.2	1483.2	12371.4	5.0
1180.0	1170.2	3.488	3.401	34.518	27.462	32.899	27.454	70.9	16.704	90.2	1483.4	12700.2	3.0
1200.0	1190.0	3.446	3.359	34.520	27.468	32.997	27.459	70.4	16.845	90.2	1483.6	13031.7	10.6
1220.0	1209.7	3.332	3.244	34.528	27.485	33.108	27.477	68.6	16.984	90.2	1483.4	13365.9	1.8
1240.0	1229.5	3.294	3.204	34.528	27.490	33.205	27.481	68.2	17.121	90.3	1483.6	13702.9	2.1
1260.0	1249.2	3.280	3.189	34.530	27.492	33.299	27.484	68.1	17.257	90.2	1483.9	14042.5	2.4
1280.0	1269.0	3.261	3.168	34.532	27.496	33.395	27.487	67.8	17.393	90.2	1484.1	14384.7	2.7
1300.0	1288.7	3.220	3.126	34.535	27.503	33.493	27.494	67.2	17.529	90.2	1484.3	14729.7	1.2
1320.0	1308.5	3.196	3.101	34.535	27.505	33.587	27.496	67.1	17.663	90.2	1484.5	15077.2	.4
1340.0	1328.2	3.166	3.070	34.535	27.508	33.682	27.499	66.9	17.797	90.3	1484.7	15427.3	-1.7
1360.0	1348.0	3.130	3.033	34.539	27.514	33.780	27.505	66.4	17.930	90.2	1484.9	15780.1	4.5
1380.0	1367.7	2.954	2.857	34.540	27.531	33.895	27.522	64.3	18.060	90.2	1484.5	16135.4	-.5
1400.0	1387.5	2.949	2.850	34.542	27.534	33.988	27.524	64.2	18.189	90.2	1484.8	16493.2	4.5
1420.0	1407.2	2.923	2.822	34.546	27.538	34.085	27.529	63.7	18.317	90.2	1485.0	16853.6	5.1
1440.0	1427.0	2.915	2.813	34.552	27.545	34.182	27.535	63.3	18.444	90.2	1485.3	17216.4	.1
1460.0	1446.7	2.885	2.782	34.555	27.549	34.278	27.540	62.9	18.570	90.2	1485.5	17581.7	6.6
1480.0	1466.4	2.864	2.759	34.558	27.554	34.375	27.545	62.5	18.695	90.1	1485.8	17949.4	1.3
1500.0	1486.2	2.804	2.698	34.566	27.566	34.479	27.556	61.4	18.819	90.2	1485.9	18319.5	2.8
1520.0	1505.9	2.790	2.683	34.566	27.567	34.572	27.558	61.3	18.941	90.2	1486.1	18692.1	-.7
1540.0	1525.6	2.789	2.680	34.567	27.568	34.664	27.559	61.3	19.064	90.2	1486.5	19067.0	-.4
1560.0	1545.3	2.753	2.643	34.570	27.574	34.762	27.565	60.7	19.186	90.3	1486.6	19444.3	.0

Station 4 Latitude 31° 49.15'N Longitude 126° 21.95'W 21 Aug 1989 GMT 23:59 Bottom 3925 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	18.881	18.881	33.368	23.806	23.806	23.806	408.5	.000	89.4	1517.1	.0	.0
10.0	10.0	18.874	18.872	33.369	23.809	23.852	23.808	408.6	.409	89.7	1517.2	2.0	5.2
20.0	19.9	18.867	18.864	33.369	23.810	23.897	23.809	408.8	.817	89.7	1517.4	8.1	2.4
30.0	29.9	18.940	18.934	33.411	23.825	23.956	23.824	407.8	1.226	89.7	1517.8	18.3	47.9
40.0	39.9	18.999	18.992	33.471	23.856	24.030	23.854	405.2	1.632	89.5	1518.2	32.6	10.5
50.0	49.8	18.520	18.512	33.387	23.913	24.130	23.910	400.1	2.036	89.4	1516.9	50.9	56.4
60.0	59.8	17.618	17.608	33.360	24.112	24.375	24.110	381.3	2.430	89.3	1514.4	73.1	483.4
70.0	69.8	16.194	16.183	33.365	24.449	24.757	24.447	349.4	2.793	89.4	1510.3	99.2	251.6
80.0	79.8	15.488	15.475	33.421	24.651	25.003	24.649	330.4	3.132	89.4	1508.3	128.7	173.0
90.0	89.7	15.142	15.128	33.466	24.763	25.159	24.760	320.1	3.456	89.7	1507.4	161.5	88.4
100.0	99.7	14.849	14.834	33.472	24.831	25.272	24.827	313.9	3.774	89.7	1506.7	197.5	164.2
110.0	109.6	14.115	14.099	33.427	24.952	25.439	24.948	302.5	4.081	89.8	1504.4	236.7	49.0
120.0	119.6	13.147	13.131	33.320	25.066	25.599	25.063	291.7	4.377	89.8	1501.2	278.8	58.4
130.0	129.5	12.781	12.763	33.340	25.154	25.733	25.150	283.5	4.665	90.0	1500.2	323.8	75.1
140.0	139.5	12.117	12.099	33.300	25.251	25.876	25.247	274.4	4.943	90.2	1498.0	371.6	53.0
150.0	149.4	11.736	11.717	33.337	25.351	26.022	25.348	265.0	5.213	90.3	1496.9	422.1	122.6
160.0	159.4	11.207	11.188	33.357	25.463	26.180	25.459	254.5	5.472	90.4	1495.2	475.3	94.7
170.0	169.3	11.399	11.378	33.620	25.633	26.394	25.629	238.6	5.720	90.4	1496.4	531.0	129.6
180.0	179.3	10.854	10.833	33.620	25.731	26.540	25.728	229.3	5.953	90.5	1494.6	589.0	130.7
190.0	189.2	10.033	10.011	33.681	25.920	26.776	25.917	211.4	6.174	90.5	1491.9	649.3	242.4
200.0	199.2	9.728	9.705	33.719	26.001	26.903	25.997	203.8	6.380	90.5	1491.0	711.7	47.6
210.0	209.1	9.395	9.372	33.776	26.101	27.049	26.097	194.4	6.580	90.5	1490.0	776.2	121.3
220.0	219.1	9.062	9.038	33.835	26.200	27.195	26.196	185.1	6.770	90.5	1489.0	842.5	102.0
230.0	229.0	8.793	8.769	33.883	26.280	27.322	26.276	177.5	6.951	90.5	1488.2	910.7	56.2
240.0	238.9	8.668	8.643	33.908	26.319	27.406	26.315	174.0	7.127	90.5	1487.9	980.7	61.2
250.0	248.9	8.459	8.434	33.933	26.371	27.505	26.367	169.2	7.299	90.4	1487.4	1052.3	29.5
260.0	258.8	8.352	8.326	33.966	26.414	27.593	26.409	165.3	7.466	90.5	1487.2	1125.7	47.4
270.0	268.7	8.170	8.143	33.990	26.460	27.686	26.456	160.9	7.629	90.5	1486.7	1200.7	35.6
280.0	278.7	8.064	8.035	33.996	26.480	27.752	26.476	159.2	7.789	90.4	1486.4	1277.2	48.8
290.0	288.6	7.900	7.871	34.008	26.514	27.832	26.510	156.0	7.947	90.4	1486.0	1355.4	34.4
300.0	298.5	7.747	7.717	34.011	26.539	27.903	26.534	153.8	8.101	90.4	1485.5	1435.1	21.2
310.0	308.5	7.643	7.613	34.011	26.554	27.965	26.550	152.4	8.255	90.4	1485.3	1516.3	27.1
320.0	318.4	7.468	7.437	34.017	26.583	28.041	26.579	149.7	8.406	90.3	1484.8	1599.0	38.2
330.0	328.3	7.209	7.178	34.019	26.621	28.126	26.617	146.1	8.553	90.4	1484.0	1683.2	8.0
340.0	338.3	7.155	7.123	34.024	26.633	28.184	26.629	145.1	8.699	90.3	1483.9	1768.9	20.6
350.0	348.2	7.032	7.000	34.026	26.651	28.249	26.647	143.4	8.843	90.3	1483.6	1856.0	17.9
360.0	358.1	6.934	6.901	34.031	26.669	28.313	26.665	141.8	8.986	90.4	1483.4	1944.5	10.9
370.0	368.0	6.777	6.743	34.037	26.695	28.386	26.691	139.4	9.126	90.2	1482.9	2034.4	12.6
380.0	378.0	6.663	6.628	34.042	26.715	28.451	26.710	137.6	9.265	90.3	1482.7	2125.7	23.4
390.0	387.9	6.592	6.557	34.054	26.733	28.516	26.729	135.9	9.402	90.3	1482.5	2218.3	25.2
400.0	397.8	6.396	6.360	34.056	26.761	28.591	26.757	133.3	9.536	90.3	1481.9	2312.3	30.4
410.0	407.7	6.239	6.203	34.062	26.786	28.663	26.781	131.0	9.668	90.3	1481.5	2407.6	17.2
420.0	417.7	6.096	6.060	34.065	26.806	28.731	26.802	129.0	9.798	90.3	1481.1	2504.2	18.0
430.0	427.6	5.979	5.942	34.072	26.827	28.799	26.823	127.0	9.926	90.2	1480.8	2602.1	27.7
440.0	437.5	5.926	5.889	34.076	26.837	28.854	26.832	126.2	10.052	90.2	1480.7	2701.2	10.7
450.0	447.4	5.841	5.802	34.094	26.862	28.926	26.857	123.9	10.177	90.3	1480.6	2801.5	27.1
460.0	457.4	5.786	5.747	34.108	26.879	28.990	26.875	122.3	10.300	90.3	1480.5	2903.1	12.4
470.0	467.3	5.710	5.670	34.111	26.892	29.048	26.886	121.2	10.422	90.3	1480.4	3005.9	18.9
480.0	477.2	5.657	5.616	34.118	26.904	29.107	26.899	120.2	10.543	90.2	1480.4	3109.9	7.8
490.0	487.1	5.574	5.533	34.121	26.916	29.165	26.911	119.1	10.663	90.3	1480.2	3215.1	7.7
500.0	497.0	5.570	5.528	34.136	26.928	29.223	26.923	118.0	10.781	90.2	1480.4	3321.4	21.2
510.0	506.9	5.494	5.451	34.150	26.949	29.290	26.944	116.1	10.898	90.2	1480.2	3428.9	9.5
520.0	516.9	5.392	5.350	34.160	26.969	29.358	26.964	114.2	11.013	90.2	1480.0	3537.6	27.6
530.0	526.8	5.305	5.262	34.172	26.988	29.424	26.983	112.4	11.127	90.2	1479.8	3647.4	12.1
540.0	536.7	5.323	5.278	34.183	26.995	29.476	26.990	111.9	11.239	90.3	1480.1	3758.3	12.1
550.0	546.6	5.270	5.225	34.199	27.014	29.542	27.009	110.2	11.350	90.3	1480.0	3870.3	20.0
560.0	556.5	5.257	5.211	34.201	27.018	29.591	27.012	109.9	11.460	90.3	1480.1	3983.3	8.6
570.0	566.4	5.218	5.172	34.214	27.032	29.652	27.027	108.7	11.569	90.2	1480.2	4097.5	8.9
580.0	576.3	5.194	5.147	34.219	27.039	29.705	27.034	108.1	11.678	90.2	1480.2	4212.7	11.0
590.0	586.3	5.134	5.086	34.232	27.057	29.768	27.051	106.5	11.785	90.3	1480.2	4329.0	5.4
600.0	596.2	5.124	5.075	34.241	27.065	29.823	27.059	105.8	11.891	90.2	1480.3	4446.4	10.4
610.0	606.1	5.076	5.027	34.251	27.078	29.882	27.073	104.6	11.997	90.2	1480.3	4564.8	23.6
620.0	616.0	5.004	4.954	34.261	27.095	29.946	27.089	103.0	12.101	90.2	1480.2	4684.2	16.2
630.0	625.9	5.011	4.960	34.273	27.103	30.000	27.097	102.4	12.203	90.2	1480.4	4804.7	.1
640.0	635.8	4.992	4.941	34.281	27.112	30.054	27.106	101.6	12.305	90.2	1480.5	4926.1	7.2
650.0	645.7	4.941	4.889	34.297	27.131	30.120	27.125	99.9	12.406	90.2	1480.5	5048.5	31.8
660.0	655.7	4.904	4.851	34.303	27.140	30.175	27.134	99.1	12.505	90.2	1480.5	5172.0	.4
670.0	665.6	4.850	4.796	34.304	27.146	30.228	27.141	98.5	12.604	90.2	1480.4	5296.4	3.9
680.0	675.5	4.768	4.714	34.310	27.161	30.289	27.155	97.2	12.702	90.2	1480.2	5421.8	4.8
690.0	685.4	4.724	4.670	34.317	27.171	30.346	27.165	96.2	12.799	90.2	1480.2	5548.1	3.9
700.0	695.3	4.698	4.643	34.330	27.184	30.405	27.178	95.0	12.894	90.2	1480.3	5675.4	13.0
710.0	705.2	4.667	4.611	34.334	27.191	30.458	27.185	94.5	12.989	90.2	1480.4	5803.6	6.0
720.0	715.1	4.638	4.581	34.342	27.201	30.514	27.195	93.6	13.083	90.2	1480.4	5932.7	8.3
730.0	725.0	4.592	4.535	34.351	27.213	30.573	27.207	92.5	13.176	90.2	1480.4	6062.8	-.4
740.0	734.9	4.575	4.517	34.354	27.218	30.623	27.211	92.2	13.268	90.2	1480.5	6193.7	7.8
750.0	744.8	4.552	4.494	34.358	27.223	30.675	27.217	91.7	13.360	90.2	1480.6	6325.6	1.0
760.0	754.7	4.502	4.443	34.367	27.236	30.735	27.230	90.5	13.451	90.2	1480.5	6458.4	13.9
770.0	764.6	4.474	4.415	34.374	27.244	30.788	27.238	89.8	13.542	90.2	1480.6	6592.0	15.1
780.0	774.5	4.440	4.379	34.381	27.253	30.844	27.247	89.0	13.631	90.2	1480.6	6726.6	3.4
790.0	784.4	4.402	4.341	34.384	27.260	30.897	27.254	88.3	13.720	90.2	1480.6	6862.0	6.3
800.0	794.3	4.367	4.306	34.394	27.272	30.955	27.265	87.3	13.808	90.2	1480.7	6998.3	7.8
810.0	804.2	4.413	4.351	34.412	27.282	31.010	27.275	86.6	13.895	90.2	1481.0	7135.4	8.1
820.0	814.1	4.399	4.335	34.412	27.283	31.057	27.277	86.5	13.981	90.2	1481.2	7273.4	5.8
830.0	824.0	4.358	4.294	34.418	27.293	31.113	27.286	85.6	14.067	90.2	1481.2	7412.2	6.0
840.0	833.9	4.334	4.269	34.420	27.296	31.163	27.289	85.4	14.153	90.2	1481.2	7551.9	7.5
850.0	843.8	4.309	4.244	34.422	27.300	31.213	27.294	85.0	14.238	90.1	1481.3	7692.4	1.1
860.0	853.7	4.297	4.231	34.424	27.304	31.262	27.297	84.8	14.323	90.2	1481.4	7833.8	17.5
870.0	863.6	4.237	4.171	34.431	27.316	31.321	27.309	83.7	14.407	90.2	1481.3	7976.0	17.8
880.0	873.5	4.184	4.117	34.434	27.324	31.376	27.316	82.9	14.490	90.2	1481.3	8119.0	11.9
890.0	883.4	4.144	4.076	34.439	27.332	31.430	27.325	82.1	14.573	90.2	1481.3	8262.8	2.8
900.0	893.3	4.110	4.042	34.445	27.340	31.485	27.333	81.4	14.654	90.2	1481.3	8407.4	9.3
910.0	903.2	4.086	4.017	34.449	27.346	31.537	27.339	80.9	14.735	90.1	1481.4	8552.8	3.7
920.0	913.1	4.066	3.997	34.449	27.348	31.585	27.341	80.7	14.816	90.2	1481.5	8699.0	4.6
930.0	923.0	4.034	3.964	34.451	27.354	31.637	27.346	80.2	14.897	90.2	1481.5	8846.0	6.6
940.0	932.9	4.005	3.935	34.453	27.358	31.688	27.351	79.9	14.977	90.2	1481.5	8993.8	1.7
950.0	942.8	4.004	3.933	34.460	27.364	31.739	27.356	79.4	15.056	90.1	1481.7	9142.4	8.1
960.0	952.7	3.970	3.898	34.463	27.369	31.791	27.362	78.9	15.135	90.2	1481.7	9291.7	4.0
970.0	962.6	3.933	3.861	34.466	27.376	31.844	27.369	78.3	15.214	90.2	1481.7	9441.9	3.4
980.0	972.5	3.920	3.846	34.472	27.381	31.896	27.374	77.8	15.292	90.2	1481.9	9592.7	6.1
990.0	982.3	3.893	3.819	34.475	27.387	31.947	27.379	77.3	15.370	90.2	1481.9	9744.4	1.7

Station 4 Latitude 31° 49.15'N Longitude 126° 21.95'W 21 Aug 1989 GMT 23:59 Bottom 3925 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
1000.0	992.2	3.870	3.795	34.477	27.391	31.997	27.383	77.0	15.447	90.2	1482.0	9896.8	5.2
1020.0	1012.0	3.845	3.768	34.481	27.397	32.096	27.389	76.5	15.601	90.2	1482.2	10203.9	8.7
1040.0	1031.8	3.799	3.722	34.489	27.408	32.199	27.401	75.6	15.753	90.1	1482.4	10514.0	1.4
1060.0	1051.6	3.744	3.666	34.496	27.419	32.302	27.412	74.6	15.903	90.1	1482.5	10827.0	4.7
1080.0	1071.3	3.707	3.627	34.499	27.426	32.401	27.418	74.1	16.052	90.2	1482.7	11142.9	2.9
1100.0	1091.1	3.678	3.596	34.502	27.431	32.498	27.423	73.7	16.200	90.2	1482.9	11461.8	4.4
1120.0	1110.9	3.616	3.534	34.504	27.439	32.599	27.431	72.9	16.346	90.1	1482.9	11783.5	5.0
1140.0	1130.7	3.548	3.465	34.509	27.449	32.702	27.441	71.9	16.492	90.2	1483.0	12108.1	10.8
1160.0	1150.4	3.509	3.424	34.514	27.457	32.802	27.449	71.2	16.635	90.1	1483.2	12435.5	3.5
1180.0	1170.2	3.476	3.390	34.517	27.463	32.900	27.455	70.8	16.777	90.1	1483.4	12765.7	5.9
1200.0	1190.0	3.451	3.363	34.521	27.469	32.997	27.460	70.4	16.918	90.1	1483.6	13098.6	10.6
1220.0	1209.7	3.386	3.297	34.525	27.478	33.100	27.470	69.4	17.057	90.1	1483.6	13434.3	2.7
1240.0	1229.5	3.347	3.257	34.528	27.485	33.198	27.476	68.8	17.195	90.1	1483.8	13772.7	.6
1260.0	1249.2	3.284	3.193	34.534	27.495	33.302	27.487	67.8	17.332	90.2	1483.9	14113.8	3.0
1280.0	1269.0	3.242	3.150	34.538	27.502	33.401	27.493	67.2	17.467	90.1	1484.0	14457.5	2.4
1300.0	1288.7	3.201	3.107	34.542	27.509	33.500	27.501	66.6	17.601	90.1	1484.2	14803.9	-1.1
1320.0	1308.5	3.171	3.076	34.545	27.514	33.597	27.506	66.1	17.733	90.1	1484.4	15152.8	.1
1340.0	1328.2	3.129	3.033	34.548	27.521	33.697	27.513	65.5	17.865	90.2	1484.6	15504.3	-.5
1360.0	1348.0	3.092	2.995	34.551	27.527	33.795	27.518	65.0	17.996	90.1	1484.7	15858.4	8.9
1380.0	1367.7	3.055	2.957	34.552	27.532	33.891	27.523	64.6	18.125	90.1	1484.9	16215.0	4.2
1400.0	1387.5	2.966	2.866	34.556	27.543	33.997	27.534	63.3	18.253	90.1	1484.9	16574.1	-.2
1420.0	1407.2	2.928	2.827	34.557	27.547	34.093	27.538	63.0	18.379	90.2	1485.0	16935.7	2.2
1440.0	1426.9	2.871	2.769	34.559	27.554	34.192	27.545	62.3	18.505	90.1	1485.1	17299.7	2.8
1460.0	1446.7	2.855	2.752	34.565	27.560	34.290	27.551	61.8	18.629	90.2	1485.4	17666.1	4.0
1480.0	1466.4	2.821	2.717	34.568	27.566	34.388	27.556	61.3	18.752	90.2	1485.6	18035.0	4.3
1500.0	1486.2	2.783	2.677	34.572	27.573	34.487	27.563	60.6	18.874	90.1	1485.8	18406.2	5.4
1520.0	1505.9	2.733	2.626	34.573	27.578	34.585	27.568	60.1	18.994	90.1	1485.9	18779.8	.8
1540.0	1525.6	2.711	2.603	34.577	27.583	34.682	27.574	59.6	19.114	90.1	1486.1	19155.7	1.4
1560.0	1545.3	2.681	2.572	34.580	27.588	34.779	27.579	59.2	19.233	90.1	1486.3	19534.0	.8
1580.0	1565.1	2.650	2.539	34.584	27.594	34.876	27.584	58.6	19.350	90.2	1486.5	19914.5	5.5
1600.0	1584.8	2.635	2.523	34.586	27.597	34.970	27.587	58.5	19.468	90.1	1486.8	20297.3	2.3
1620.0	1604.5	2.601	2.487	34.589	27.602	35.067	27.592	58.0	19.584	90.1	1487.0	20682.4	2.0
1640.0	1624.2	2.579	2.464	34.591	27.606	35.163	27.596	57.6	19.699	90.1	1487.2	21069.7	3.2
1660.0	1643.9	2.555	2.438	34.592	27.609	35.258	27.599	57.3	19.814	90.0	1487.5	21459.3	.6
1680.0	1663.7	2.539	2.422	34.594	27.612	35.352	27.602	57.1	19.929	90.1	1487.7	21851.0	2.9
1700.0	1683.4	2.514	2.395	34.597	27.616	35.447	27.606	56.7	20.043	90.1	1488.0	22245.0	2.3
1720.0	1703.1	2.491	2.371	34.597	27.619	35.542	27.609	56.5	20.156	90.1	1488.2	22641.2	1.8
1740.0	1722.8	2.464	2.342	34.599	27.623	35.637	27.612	56.2	20.269	90.1	1488.4	23039.6	.3
1760.0	1742.5	2.446	2.323	34.601	27.626	35.731	27.615	55.9	20.381	90.1	1488.7	23440.2	-2.0
1780.0	1762.2	2.415	2.291	34.603	27.630	35.827	27.619	55.5	20.492	90.1	1488.9	23842.9	1.2
1800.0	1781.9	2.387	2.262	34.605	27.634	35.923	27.623	55.1	20.603	90.1	1489.1	24247.8	.7
1820.0	1801.6	2.353	2.227	34.607	27.639	36.020	27.628	54.6	20.713	90.1	1489.3	24654.8	.1
1840.0	1821.3	2.340	2.212	34.608	27.640	36.112	27.630	54.5	20.822	90.1	1489.6	25063.9	3.0
1860.0	1841.0	2.316	2.186	34.609	27.644	36.207	27.633	54.2	20.931	90.1	1489.8	25475.2	1.6
1880.0	1860.7	2.282	2.151	34.610	27.647	36.302	27.636	53.8	21.038	90.0	1490.0	25888.5	1.3
1900.0	1880.4	2.263	2.131	34.612	27.650	36.397	27.639	53.6	21.146	90.1	1490.2	26303.9	2.8
1920.0	1900.1	2.241	2.107	34.614	27.654	36.491	27.643	53.3	21.253	90.1	1490.5	26721.4	2.2
1940.0	1919.8	2.217	2.082	34.616	27.658	36.586	27.647	52.9	21.359	90.0	1490.7	27140.9	2.5
1960.0	1939.5	2.186	2.050	34.619	27.662	36.683	27.651	52.4	21.464	90.1	1490.9	27562.5	4.9
1980.0	1959.2	2.172	2.034	34.620	27.664	36.776	27.653	52.2	21.569	90.0	1491.2	27986.1	2.5
2000.0	1978.9	2.161	2.021	34.621	27.666	36.868	27.655	52.1	21.673	90.0	1491.5	28411.7	3.7
2050.0	2028.1	2.116	1.973	34.625	27.674	37.103	27.662	51.4	21.931	90.0	1492.1	29484.5	-.3
2100.0	2077.3	2.081	1.934	34.629	27.679	37.336	27.668	51.0	22.187	90.1	1492.8	30569.7	2.9
2150.0	2126.4	2.032	1.882	34.633	27.687	37.571	27.676	50.2	22.441	90.0	1493.5	31667.1	1.2
2200.0	2175.6	2.001	1.847	34.637	27.693	37.802	27.681	49.8	22.690	90.0	1494.2	32776.7	4.8
2250.0	2224.8	1.967	1.809	34.640	27.698	38.034	27.686	49.3	22.938	90.1	1494.9	33898.2	1.6
2300.0	2273.9	1.925	1.764	34.644	27.705	38.268	27.693	48.7	23.183	90.0	1495.5	35031.6	-.7
2350.0	2323.1	1.912	1.747	34.646	27.708	38.495	27.695	48.6	23.426	90.2	1496.3	36176.6	3.1
2400.0	2372.2	1.874	1.705	34.649	27.713	38.726	27.700	48.1	23.667	90.0	1497.0	37333.4	.5
2450.0	2421.3	1.844	1.671	34.652	27.718	38.957	27.705	47.6	23.906	90.1	1497.7	38501.6	-.6
2500.0	2470.4	1.822	1.645	34.653	27.721	39.184	27.708	47.5	24.144	90.0	1498.5	39681.3	.3
2550.0	2519.5	1.793	1.612	34.656	27.726	39.414	27.712	47.0	24.380	90.0	1499.2	40872.4	-.5
2600.0	2568.6	1.771	1.586	34.658	27.729	39.641	27.715	46.8	24.615	90.0	1499.9	42074.7	1.6
2650.0	2617.6	1.748	1.559	34.660	27.733	39.869	27.719	46.5	24.848	90.0	1500.7	43288.2	.1
2700.0	2666.7	1.735	1.541	34.661	27.735	40.095	27.721	46.4	25.081	90.1	1501.5	44512.9	-.1
2750.0	2715.7	1.720	1.522	34.662	27.737	40.320	27.723	46.3	25.313	90.0	1502.3	45748.7	2.3
2800.0	2764.8	1.700	1.498	34.664	27.741	40.547	27.726	46.1	25.543	90.0	1503.0	46995.5	-.9
2850.0	2813.8	1.673	1.466	34.667	27.745	40.775	27.730	45.7	25.772	90.0	1503.8	48253.4	-.3
2900.0	2862.8	1.655	1.444	34.668	27.747	41.000	27.732	45.5	26.001	90.0	1504.5	49522.1	.9
2950.0	2911.8	1.636	1.421	34.669	27.751	41.226	27.735	45.3	26.228	90.0	1505.3	50801.7	-.5
3000.0	2960.8	1.623	1.403	34.670	27.753	41.450	27.737	45.2	26.454	90.0	1506.1	52092.1	.2
3026.0	2986.3	1.618	1.396	34.671	27.754	41.567	27.738	45.1	26.571	90.0	1506.5	52767.4	.0

Station 5 Latitude 31° 56.16'N Longitude 126° 36.07'W 22 Aug 1989 GMT 03:39 Bottom 4260 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m³	Sigma-z kg/m³	Sigma-t kg/m³	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
.0	.0	19.013	19.013	33.369	23.773	23.773	23.773	411.7	.000	88.9	1517.5	.0	.0
10.0	10.0	18.989	18.987	33.380	23.788	23.831	23.788	410.6	.411	89.6	1517.6	2.1	86.9
20.0	19.9	18.836	18.833	33.381	23.828	23.914	23.826	407.2	.819	89.4	1517.3	8.2	2.8
30.0	29.9	18.829	18.824	33.381	23.830	23.960	23.829	407.3	1.226	89.5	1517.4	18.4	4.4
40.0	39.9	18.850	18.843	33.452	23.879	24.053	23.877	403.0	1.632	89.5	1517.7	32.6	19.8
50.0	49.8	18.719	18.711	33.487	23.939	24.156	23.937	397.7	2.033	89.4	1517.6	50.9	139.0
60.0	59.8	17.496	17.486	33.492	24.243	24.505	24.241	368.9	2.420	89.4	1514.2	73.1	587.4
70.0	69.8	15.338	15.327	33.395	24.664	24.972	24.662	328.9	2.763	89.4	1507.6	99.0	183.2
80.0	79.7	15.148	15.136	33.480	24.771	25.124	24.769	319.0	3.087	89.6	1507.3	128.1	86.3
90.0	89.7	14.604	14.591	33.485	24.893	25.291	24.890	307.6	3.400	89.7	1505.7	160.4	72.5
100.0	99.7	14.084	14.070	33.426	24.957	25.399	24.954	301.8	3.705	89.7	1504.1	195.8	44.6
110.0	109.6	13.266	13.251	33.332	25.051	25.540	25.048	292.9	4.003	89.5	1501.5	234.2	117.0
120.0	119.6	12.557	12.541	33.337	25.195	25.730	25.192	279.3	4.289	89.9	1499.2	275.4	150.0
130.0	129.5	12.268	12.251	33.426	25.320	25.899	25.316	267.7	4.562	90.1	1498.5	319.5	75.0
140.0	139.5	11.763	11.745	33.422	25.412	26.038	25.409	259.0	4.825	90.2	1496.9	366.2	35.9
150.0	149.4	11.224	11.205	33.385	25.482	26.154	25.478	252.5	5.081	90.3	1495.2	415.5	104.7
160.0	159.4	10.868	10.849	33.420	25.573	26.291	25.569	244.0	5.329	90.3	1494.1	467.3	17.3
170.0	169.3	10.591	10.571	33.531	25.707	26.472	25.704	231.3	5.567	90.4	1493.4	521.5	181.3
180.0	179.3	10.084	10.064	33.628	25.870	26.681	25.867	215.9	5.790	90.4	1491.9	578.0	120.6
190.0	189.2	9.751	9.730	33.719	25.997	26.855	25.994	203.9	6.000	90.4	1490.9	636.6	107.0
200.0	199.1	9.354	9.332	33.765	26.098	27.002	26.095	194.4	6.198	90.4	1489.7	697.2	100.5
210.0	209.1	9.006	8.984	33.822	26.199	27.149	26.195	185.0	6.388	90.4	1488.6	759.8	107.8
220.0	219.0	8.856	8.832	33.887	26.273	27.270	26.270	178.0	6.568	90.4	1488.3	824.2	51.3
230.0	229.0	8.708	8.683	33.941	26.339	27.381	26.335	172.0	6.744	90.5	1488.0	890.3	66.2
240.0	238.9	8.465	8.440	33.959	26.390	27.479	26.387	167.1	6.913	90.4	1487.2	958.2	19.3
250.0	248.8	8.368	8.342	33.962	26.407	27.542	26.404	165.7	7.079	90.4	1487.0	1027.7	44.2
260.0	258.8	8.126	8.100	33.978	26.457	27.638	26.453	161.0	7.242	90.4	1486.3	1098.8	38.3
270.0	268.7	7.951	7.924	33.988	26.491	27.718	26.487	157.9	7.401	90.4	1485.8	1171.6	3.1
280.0	278.6	7.795	7.767	33.995	26.519	27.792	26.515	155.3	7.558	90.3	1485.4	1245.9	41.1
290.0	288.6	7.639	7.611	34.005	26.549	27.870	26.545	152.5	7.712	90.3	1485.0	1321.7	20.3
300.0	298.5	7.411	7.383	34.006	26.582	27.949	26.578	149.4	7.863	90.3	1484.2	1399.0	52.8
310.0	308.4	7.289	7.260	34.007	26.601	28.014	26.597	147.7	8.011	90.4	1483.9	1477.9	8.8
320.0	318.4	7.196	7.166	34.011	26.617	28.077	26.613	146.3	8.158	90.2	1483.7	1558.2	15.9
330.0	328.3	7.104	7.073	34.018	26.635	28.141	26.631	144.7	8.304	90.3	1483.5	1639.9	29.6
340.0	338.2	6.990	6.958	34.030	26.661	28.212	26.656	142.4	8.447	90.2	1483.3	1723.0	43.1
350.0	348.1	6.781	6.749	34.028	26.687	28.286	26.683	139.8	8.587	90.3	1482.6	1807.6	14.6
360.0	358.1	6.714	6.681	34.042	26.708	28.353	26.703	138.0	8.726	90.2	1482.5	1893.6	33.1
370.0	368.0	6.565	6.531	34.053	26.736	28.428	26.731	135.4	8.863	90.2	1482.1	1980.9	34.5
380.0	377.9	6.414	6.380	34.056	26.758	28.497	26.754	133.3	8.997	90.2	1481.7	2069.5	25.1
390.0	387.9	6.273	6.239	34.056	26.777	28.562	26.772	131.6	9.130	90.2	1481.3	2159.5	18.6
400.0	397.8	6.153	6.118	34.069	26.802	28.635	26.798	129.2	9.260	90.1	1481.0	2250.7	18.9
410.0	407.7	6.056	6.021	34.071	26.816	28.695	26.811	127.9	9.389	90.2	1480.8	2343.3	6.9
420.0	417.6	5.989	5.953	34.076	26.829	28.754	26.824	126.8	9.516	90.2	1480.7	2437.1	30.6
430.0	427.5	5.907	5.870	34.083	26.845	28.817	26.840	125.3	9.642	90.2	1480.5	2532.1	6.3
440.0	437.5	5.876	5.838	34.087	26.852	28.870	26.847	124.8	9.767	90.2	1480.5	2628.4	1.0
450.0	447.4	5.805	5.767	34.090	26.863	28.928	26.858	123.7	9.891	90.2	1480.4	2725.9	17.4
460.0	457.3	5.767	5.728	34.105	26.880	28.990	26.875	122.3	10.014	90.2	1480.5	2824.7	28.3
470.0	467.2	5.574	5.535	34.109	26.906	29.065	26.902	119.7	10.135	90.2	1479.8	2924.6	10.4
480.0	477.1	5.537	5.497	34.110	26.911	29.116	26.907	119.3	10.255	90.1	1479.9	3025.8	7.7
490.0	487.1	5.469	5.428	34.118	26.926	29.177	26.921	118.0	10.373	90.2	1479.8	3128.1	19.4
500.0	497.0	5.377	5.336	34.134	26.950	29.247	26.945	115.8	10.490	90.1	1479.6	3231.5	19.4
510.0	506.9	5.367	5.325	34.141	26.957	29.300	26.952	115.2	10.606	90.2	1479.7	3336.2	17.7
520.0	516.8	5.348	5.305	34.159	26.973	29.362	26.968	113.8	10.720	90.2	1479.8	3441.9	23.2
530.0	526.7	5.295	5.252	34.167	26.986	29.422	26.981	112.6	10.833	90.2	1479.8	3548.8	8.9
540.0	536.7	5.260	5.216	34.189	27.007	29.489	27.002	110.7	10.945	90.1	1479.8	3656.8	21.2
550.0	546.6	5.208	5.164	34.205	27.026	29.554	27.021	109.0	11.055	90.1	1479.8	3765.8	17.7
560.0	556.5	5.193	5.148	34.209	27.031	29.606	27.027	108.5	11.164	90.2	1479.9	3876.0	22.4
570.0	566.4	5.123	5.077	34.222	27.050	29.670	27.044	106.9	11.271	90.2	1479.8	3987.2	5.4
580.0	576.3	5.069	5.022	34.231	27.063	29.730	27.058	105.6	11.377	90.2	1479.7	4099.4	9.8
590.0	586.2	5.014	4.967	34.241	27.078	29.791	27.072	104.3	11.482	90.1	1479.7	4212.8	10.3
600.0	596.1	4.967	4.919	34.249	27.089	29.850	27.084	103.3	11.586	90.2	1479.7	4327.1	15.6
610.0	606.1	4.925	4.876	34.260	27.102	29.909	27.097	102.1	11.689	90.2	1479.7	4442.4	9.8
620.0	616.0	4.893	4.844	34.276	27.119	29.971	27.113	100.6	11.791	90.2	1479.7	4558.8	10.4
630.0	625.9	4.878	4.828	34.286	27.129	30.028	27.124	99.7	11.891	90.2	1479.8	4676.2	14.8
640.0	635.8	4.825	4.774	34.296	27.143	30.087	27.137	98.5	11.990	90.1	1479.8	4794.5	17.4
650.0	645.7	4.800	4.749	34.304	27.152	30.143	27.146	97.7	12.088	90.1	1479.9	4913.8	4.2
660.0	655.6	4.766	4.714	34.311	27.162	30.199	27.156	96.8	12.185	90.1	1479.9	5034.1	13.3
670.0	665.5	4.743	4.691	34.325	27.175	30.258	27.169	95.7	12.282	90.2	1480.0	5155.3	12.1
680.0	675.4	4.718	4.664	34.333	27.185	30.314	27.179	94.9	12.377	90.2	1480.1	5277.4	14.8
690.0	685.3	4.695	4.641	34.340	27.192	30.367	27.186	94.2	12.472	90.2	1480.1	5400.5	2.2
700.0	695.2	4.691	4.636	34.346	27.198	30.419	27.192	93.8	12.566	90.2	1480.3	5524.5	4.8
710.0	705.1	4.648	4.593	34.346	27.203	30.470	27.197	93.3	12.659	90.1	1480.3	5649.5	3.1
720.0	715.0	4.680	4.623	34.359	27.210	30.522	27.203	92.9	12.752	90.1	1480.6	5775.3	2.2
730.0	725.0	4.597	4.540	34.359	27.219	30.579	27.213	91.9	12.844	90.1	1480.4	5902.1	7.8
740.0	734.9	4.566	4.508	34.368	27.230	30.635	27.223	91.0	12.936	90.1	1480.5	6029.8	8.9
750.0	744.8	4.513	4.455	34.367	27.235	30.687	27.228	90.5	13.027	90.1	1480.4	6158.4	5.7
760.0	754.7	4.481	4.422	34.375	27.245	30.743	27.238	89.7	13.117	90.2	1480.5	6287.8	4.5
770.0	764.6	4.462	4.402	34.380	27.250	30.795	27.244	89.2	13.206	90.2	1480.6	6418.2	3.1
780.0	774.5	4.441	4.380	34.384	27.256	30.847	27.250	88.7	13.295	90.2	1480.6	6549.4	.4
790.0	784.4	4.405	4.345	34.386	27.261	30.898	27.255	88.2	13.384	90.1	1480.7	6681.5	2.8
800.0	794.3	4.383	4.321	34.390	27.267	30.950	27.260	87.8	13.472	90.1	1480.7	6814.4	12.5
810.0	804.2	4.357	4.295	34.396	27.275	31.004	27.268	87.1	13.559	90.1	1480.8	6948.2	5.7
820.0	814.1	4.354	4.291	34.408	27.285	31.060	27.278	86.3	13.646	90.1	1481.0	7082.9	9.0
830.0	824.0	4.311	4.248	34.409	27.290	31.112	27.284	85.8	13.732	90.1	1480.9	7218.4	4.3
840.0	833.9	4.279	4.214	34.412	27.296	31.164	27.290	85.2	13.817	90.1	1481.0	7354.8	5.2
850.0	843.8	4.232	4.167	34.419	27.307	31.221	27.300	84.3	13.902	90.1	1481.0	7492.0	3.1
860.0	853.7	4.204	4.139	34.424	27.313	31.274	27.306	83.7	13.986	90.1	1481.0	7630.0	4.9
870.0	863.6	4.186	4.120	34.427	27.318	31.324	27.311	83.3	14.070	90.1	1481.1	7768.8	4.0
880.0	873.5	4.155	4.089	34.431	27.324	31.377	27.317	82.8	14.153	90.1	1481.1	7908.5	14.5
890.0	883.4	4.114	4.047	34.439	27.335	31.434	27.328	81.8	14.235	90.1	1481.2	8049.0	6.9
900.0	893.3	4.086	4.018	34.444	27.342	31.488	27.335	81.1	14.317	90.1	1481.2	8190.3	10.4
910.0	903.2	4.064	3.996	34.449	27.348	31.540	27.341	80.6	14.397	90.1	1481.3	8332.3	13.4
920.0	913.0	4.040	3.970	34.455	27.356	31.594	27.349	80.0	14.478	90.2	1481.4	8475.2	8.7
930.0	923.0	4.002	3.932	34.461	27.365	31.649	27.357	79.1	14.557	90.1	1481.4	8618.8	7.8
940.0	932.8	3.975	3.904	34.463	27.369	31.699	27.361	78.8	14.636	90.1	1481.4	8763.2	6.6
950.0	942.7	3.964	3.893	34.467	27.373	31.749	27.366	78.4	14.715	90.2	1481.5	8908.4	3.4
960.0	952.6	3.956	3.884	34.469	27.375	31.798	27.368	78.3	14.793	90.2	1481.7	9054.4	11.6
970.0	962.5	3.930	3.857	34.472	27.381	31.849	27.373	77.9	14.871	90.1	1481.7	9201.1	4.9
980.0	972.4	3.905	3.831	34.476	27.386	31.901	27.379	77.4	14.948	90.1	1481.8	9348.6	2.0
990.0	982.3	3.880	3.806	34.479	27.392	31.952	27.384	76.9	15.026	90.1	1481.9	9496.8	2.3

Station 5 Latitude 31° 56.16'N Longitude 126° 36.07'W 22 Aug 1989 GMT 03:39 Bottom 4260 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.850	3.776	34.484	27.399	32.006	27.391	76.2	15.102	90.1	1481.9	9645.8	9.9
1020.0	1012.0	3.816	3.740	34.488	27.405	32.104	27.398	75.7	15.254	90.1	1482.1	9946.1	7.6
1040.0	1031.8	3.784	3.707	34.491	27.411	32.202	27.403	75.3	15.405	90.1	1482.3	10249.3	-.3
1060.0	1051.5	3.734	3.655	34.497	27.421	32.304	27.413	74.4	15.555	90.2	1482.4	10555.4	-.6
1080.0	1071.3	3.706	3.626	34.500	27.427	32.402	27.419	74.0	15.703	90.1	1482.7	10864.5	2.6
1100.0	1091.1	3.666	3.584	34.505	27.434	32.501	27.426	73.4	15.851	90.1	1482.8	11176.4	3.5
1120.0	1110.8	3.608	3.525	34.510	27.445	32.604	27.436	72.4	15.996	90.1	1482.9	11491.2	9.4
1140.0	1130.6	3.577	3.493	34.512	27.449	32.701	27.441	72.0	16.141	90.1	1483.1	11808.9	1.2
1160.0	1150.4	3.508	3.423	34.518	27.460	32.805	27.452	71.0	16.283	90.1	1483.2	12129.3	.9
1180.0	1170.2	3.492	3.405	34.518	27.463	32.899	27.454	70.9	16.425	90.1	1483.4	12452.6	9.1
1200.0	1189.9	3.405	3.318	34.526	27.477	33.007	27.469	69.4	16.565	90.1	1483.4	12778.6	2.7
1220.0	1209.7	3.373	3.284	34.528	27.481	33.104	27.473	69.1	16.704	90.0	1483.6	13107.3	7.1
1240.0	1229.4	3.303	3.213	34.534	27.493	33.208	27.485	67.9	16.841	90.1	1483.6	13438.7	4.7
1260.0	1249.2	3.267	3.176	34.536	27.499	33.306	27.490	67.4	16.977	90.1	1483.8	13772.7	11.8
1280.0	1268.9	3.227	3.135	34.540	27.506	33.405	27.497	66.8	17.111	90.0	1484.0	14109.4	6.8
1300.0	1288.7	3.165	3.072	34.545	27.515	33.508	27.507	65.9	17.243	90.0	1484.1	14448.7	5.0
1320.0	1308.4	3.133	3.039	34.547	27.520	33.604	27.511	65.5	17.375	90.0	1484.3	14790.6	7.4
1340.0	1328.2	3.083	2.987	34.550	27.527	33.704	27.518	64.8	17.505	90.1	1484.4	15135.0	3.9
1360.0	1347.9	3.049	2.953	34.553	27.532	33.801	27.523	64.4	17.634	90.1	1484.6	15481.9	3.3
1380.0	1367.7	3.007	2.908	34.557	27.540	33.902	27.531	63.6	17.762	90.0	1484.7	15831.4	3.3
1400.0	1387.4	2.981	2.882	34.560	27.544	33.998	27.535	63.3	17.889	90.1	1484.9	16183.3	6.6
1420.0	1407.2	2.943	2.842	34.563	27.551	34.096	27.541	62.7	18.015	90.2	1485.1	16537.7	.1
1440.0	1426.9	2.911	2.809	34.565	27.555	34.192	27.546	62.3	18.140	90.1	1485.3	16894.5	-1.0
1460.0	1446.6	2.872	2.768	34.568	27.562	34.291	27.552	61.7	18.264	90.1	1485.5	17253.7	.4
1480.0	1466.4	2.847	2.742	34.571	27.566	34.387	27.556	61.4	18.387	90.0	1485.7	17615.4	10.1
1500.0	1486.1	2.825	2.719	34.572	27.569	34.482	27.560	61.1	18.510	90.0	1486.0	17979.4	2.2
1520.0	1505.8	2.804	2.696	34.574	27.572	34.576	27.563	60.9	18.632	90.0	1486.2	18345.9	1.7
1540.0	1525.6	2.755	2.646	34.576	27.579	34.675	27.569	60.2	18.753	90.0	1486.3	18714.6	.8
1560.0	1545.3	2.737	2.627	34.580	27.583	34.771	27.573	59.9	18.873	90.0	1486.6	19085.8	2.0
1580.0	1565.0	2.690	2.579	34.583	27.589	34.870	27.580	59.2	18.992	90.0	1486.7	19459.2	4.6
1600.0	1584.7	2.664	2.551	34.584	27.593	34.965	27.583	58.9	19.110	90.0	1486.9	19835.0	4.3
1620.0	1604.5	2.639	2.525	34.586	27.597	35.061	27.587	58.6	19.228	90.1	1487.2	20213.0	8.4
1640.0	1624.2	2.603	2.488	34.589	27.602	35.158	27.593	58.0	19.344	90.0	1487.3	20593.3	1.1
1660.0	1643.9	2.575	2.458	34.591	27.607	35.254	27.597	57.6	19.460	90.0	1487.6	20975.9	.6
1680.0	1663.6	2.549	2.431	34.594	27.611	35.350	27.601	57.2	19.575	90.1	1487.8	21360.7	3.5
1700.0	1683.3	2.519	2.401	34.595	27.615	35.445	27.604	56.9	19.689	90.1	1488.0	21747.7	4.4
1720.0	1703.0	2.500	2.380	34.597	27.618	35.540	27.607	56.7	19.803	90.0	1488.2	22136.9	1.2
1740.0	1722.8	2.456	2.335	34.600	27.624	35.639	27.614	56.0	19.916	90.0	1488.4	22528.3	5.0
1760.0	1742.5	2.435	2.312	34.601	27.627	35.733	27.617	55.7	20.027	90.0	1488.6	22921.9	-2.0
1780.0	1762.2	2.419	2.294	34.603	27.629	35.827	27.619	55.6	20.139	90.0	1488.9	23317.7	2.7
1800.0	1781.9	2.400	2.274	34.605	27.633	35.921	27.623	55.3	20.249	90.0	1489.2	23715.6	4.5
1820.0	1801.6	2.358	2.231	34.608	27.639	36.020	27.628	54.6	20.359	90.0	1489.3	24115.6	1.3
1840.0	1821.3	2.337	2.209	34.608	27.641	36.113	27.630	54.5	20.468	90.0	1489.6	24517.8	1.0
1860.0	1841.0	2.318	2.188	34.611	27.645	36.208	27.634	54.1	20.577	90.0	1489.8	24922.0	3.0
1880.0	1860.7	2.302	2.171	34.613	27.648	36.302	27.637	53.9	20.685	90.0	1490.1	25328.4	5.4
1900.0	1880.4	2.278	2.145	34.615	27.652	36.397	27.641	53.5	20.792	90.0	1490.3	25736.8	3.7
1920.0	1900.1	2.254	2.120	34.617	27.655	36.492	27.644	53.2	20.899	90.0	1490.5	26147.3	.7
1940.0	1919.7	2.244	2.109	34.619	27.657	36.585	27.646	53.0	21.005	90.0	1490.8	26559.9	1.3
1960.0	1939.4	2.226	2.089	34.620	27.660	36.679	27.649	52.8	21.111	90.0	1491.1	26974.5	1.4
1980.0	1959.1	2.207	2.069	34.621	27.663	36.773	27.652	52.5	21.216	90.0	1491.4	27391.2	1.4
2000.0	1978.8	2.184	2.044	34.622	27.665	36.866	27.654	52.3	21.321	90.0	1491.6	27809.9	.8
2050.0	2028.0	2.130	1.987	34.627	27.674	37.103	27.663	51.5	21.581	90.0	1492.2	28865.4	3.2
2100.0	2077.2	2.093	1.946	34.631	27.681	37.336	27.669	50.9	21.837	90.0	1492.9	29933.3	2.3
2150.0	2126.4	2.060	1.910	34.633	27.685	37.567	27.673	50.6	22.090	90.1	1493.6	31013.5	2.7
2200.0	2175.6	2.014	1.860	34.638	27.692	37.801	27.680	49.9	22.342	90.0	1494.2	32105.9	3.6
2250.0	2224.7	1.969	1.811	34.640	27.698	38.034	27.686	49.4	22.590	90.0	1494.9	33210.3	1.3
2300.0	2273.9	1.939	1.777	34.645	27.705	38.266	27.692	48.8	22.835	90.0	1495.6	34326.6	.7
2350.0	2323.0	1.923	1.757	34.646	27.707	38.493	27.694	48.7	23.080	90.0	1496.4	35454.6	1.1
2400.0	2372.1	1.891	1.721	34.647	27.710	38.722	27.697	48.4	23.323	90.0	1497.1	36594.4	.2
2450.0	2421.2	1.858	1.684	34.651	27.717	38.954	27.703	47.9	23.563	90.0	1497.8	37745.8	-.6
2500.0	2470.3	1.832	1.654	34.652	27.719	39.182	27.706	47.7	23.802	90.0	1498.5	38908.6	.6
2550.0	2519.4	1.806	1.624	34.654	27.724	39.411	27.710	47.3	24.039	90.0	1499.2	40082.9	1.5
2600.0	2568.5	1.777	1.592	34.657	27.729	39.640	27.715	46.9	24.275	90.0	1500.0	41268.5	1.0
2650.0	2617.6	1.747	1.558	34.661	27.733	39.870	27.720	46.4	24.508	90.0	1500.7	42465.4	.1
2700.0	2666.6	1.720	1.527	34.662	27.737	40.098	27.723	46.2	24.740	90.0	1501.4	43673.4	-.7
2750.0	2715.7	1.705	1.507	34.664	27.740	40.324	27.725	46.0	24.970	89.9	1502.2	44892.4	.5
2800.0	2764.7	1.683	1.481	34.665	27.743	40.550	27.728	45.8	25.199	90.0	1502.9	46122.4	.9
2850.0	2813.7	1.663	1.456	34.667	27.746	40.777	27.731	45.5	25.428	90.0	1503.7	47363.3	1.5
2900.0	2862.7	1.647	1.436	34.668	27.748	41.002	27.733	45.4	25.655	90.0	1504.5	48615.1	1.2
2950.0	2911.7	1.630	1.414	34.670	27.751	41.228	27.736	45.2	25.881	90.0	1505.3	49877.7	.7
3000.0	2960.7	1.608	1.389	34.672	27.755	41.454	27.739	44.9	26.106	90.0	1506.0	51151.1	.0
3000.0	2960.7	1.608	1.389	34.672	27.755	41.454	27.739	44.9	26.106	90.0	1506.0	51151.1	.0

Station	6	Latitude	32° 04.83'N		Longitude	126° 50.81'W		22 Aug 1989 GMT 07:08			Bottom	2400 m
Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	18.943	18.943	33.426	23.834	23.834	23.834	405.9	.000	89.7	1517.3	.0	.0
10.0	10.0	18.946	18.944	33.468	23.866	23.909	23.865	403.2	.405	89.7	1517.6	2.0	41.1
20.0	19.9	18.832	18.828	33.471	23.897	23.985	23.897	400.5	.807	89.7	1517.4	8.1	4.0
30.0	29.9	18.822	18.817	33.471	23.900	24.031	23.899	400.6	1.207	89.7	1517.5	18.1	2.0
40.0	39.9	18.763	18.756	33.476	23.919	24.093	23.917	399.2	1.608	89.7	1517.5	32.1	100.6
50.0	49.8	18.612	18.603	33.477	23.958	24.176	23.956	395.8	2.004	89.7	1517.3	50.1	54.4
60.0	59.8	18.379	18.369	33.471	24.012	24.273	24.009	391.0	2.397	89.5	1516.7	72.1	111.4
70.0	69.8	17.339	17.327	33.475	24.267	24.573	24.265	366.9	2.779	89.4	1513.9	97.9	281.4
80.0	79.8	15.790	15.778	33.448	24.605	24.957	24.602	334.9	3.127	89.6	1509.3	127.3	183.3
90.0	89.7	15.282	15.268	33.470	24.735	25.131	24.731	322.8	3.454	89.8	1507.9	160.1	152.2
100.0	99.7	15.193	15.178	33.606	24.860	25.300	24.856	311.2	3.770	89.8	1507.9	196.1	133.2
110.0	109.6	14.633	14.616	33.589	24.968	25.454	24.964	301.1	4.076	89.8	1506.3	235.2	83.0
120.0	119.6	14.078	14.060	33.547	25.053	25.584	25.049	293.2	4.374	89.8	1504.6	277.2	94.9
130.0	129.5	13.754	13.736	33.556	25.127	25.703	25.123	286.3	4.664	89.9	1503.7	322.2	78.8
140.0	139.5	13.538	13.518	33.631	25.229	25.850	25.225	276.9	4.946	90.0	1503.2	370.1	110.7
150.0	149.4	13.020	13.000	33.597	25.307	25.974	25.303	269.6	5.219	90.1	1501.6	420.6	51.7
160.0	159.4	12.479	12.458	33.557	25.382	26.094	25.377	262.6	5.484	90.2	1499.9	473.9	38.5
170.0	169.3	11.923	11.902	33.550	25.482	26.241	25.478	253.2	5.744	90.2	1498.1	529.8	113.6
180.0	179.3	11.628	11.606	33.607	25.581	26.386	25.577	243.9	5.994	90.3	1497.3	588.1	121.2
190.0	189.2	11.009	10.985	33.589	25.680	26.532	25.676	234.6	6.232	90.3	1495.3	648.9	167.6
200.0	199.2	10.210	10.187	33.630	25.851	26.751	25.847	218.3	6.458	90.4	1492.6	712.1	159.6
210.0	209.1	9.768	9.744	33.678	25.963	26.910	25.959	207.6	6.671	90.4	1491.3	777.3	105.6
220.0	219.1	9.375	9.351	33.767	26.097	27.091	26.093	194.9	6.874	90.4	1490.1	844.7	189.6
230.0	229.0	9.061	9.036	33.823	26.191	27.232	26.188	186.1	7.064	90.5	1489.2	913.9	66.0
240.0	238.9	8.877	8.852	33.865	26.253	27.340	26.249	180.3	7.247	90.5	1488.7	985.0	39.3
250.0	248.9	8.535	8.509	33.931	26.358	27.491	26.354	170.4	7.423	90.4	1487.6	1057.9	88.1
260.0	258.8	8.375	8.349	33.947	26.395	27.574	26.391	167.0	7.592	90.3	1487.2	1132.5	16.4
270.0	268.7	8.194	8.166	33.962	26.434	27.660	26.430	163.4	7.757	90.4	1486.7	1208.8	43.8
280.0	278.7	8.033	8.005	33.972	26.466	27.739	26.462	160.4	7.919	90.4	1486.3	1286.6	46.8
290.0	288.6	7.781	7.752	33.983	26.512	27.831	26.508	156.1	8.078	90.3	1485.5	1366.1	35.9
300.0	298.5	7.597	7.568	33.996	26.548	27.914	26.544	152.8	8.232	90.4	1484.9	1447.1	37.9
310.0	308.5	7.417	7.387	34.000	26.577	27.990	26.573	150.1	8.384	90.4	1484.4	1529.6	36.1
320.0	318.4	7.337	7.306	33.997	26.586	28.044	26.582	149.4	8.533	90.3	1484.3	1613.6	6.5
330.0	328.3	7.182	7.151	34.003	26.613	28.118	26.608	146.9	8.681	90.3	1483.8	1699.1	22.0
340.0	338.3	7.043	7.011	34.006	26.634	28.186	26.630	144.9	8.827	90.3	1483.4	1786.0	7.6
350.0	348.2	6.921	6.888	34.010	26.654	28.252	26.650	143.0	8.971	90.2	1483.1	1874.3	10.8
360.0	358.1	6.729	6.696	34.009	26.680	28.325	26.675	140.6	9.113	90.3	1482.5	1964.1	26.6
370.0	368.0	6.634	6.601	34.015	26.697	28.388	26.692	139.1	9.253	90.3	1482.3	2055.3	29.0
380.0	378.0	6.522	6.488	34.017	26.714	28.452	26.709	137.6	9.392	90.3	1482.1	2147.8	33.3
390.0	387.9	6.400	6.366	34.023	26.734	28.519	26.730	135.6	9.528	90.2	1481.7	2241.7	21.6
400.0	397.8	6.310	6.275	34.029	26.751	28.582	26.746	134.2	9.663	90.2	1481.6	2337.0	18.4
410.0	407.7	6.217	6.181	34.033	26.766	28.643	26.761	132.8	9.797	90.3	1481.4	2433.5	26.0
420.0	417.7	6.195	6.159	34.047	26.779	28.703	26.775	131.6	9.929	90.2	1481.4	2531.4	14.0
430.0	427.6	6.167	6.130	34.050	26.786	28.755	26.781	131.1	10.060	90.2	1481.5	2630.6	14.6
440.0	437.5	6.120	6.081	34.073	26.810	28.825	26.805	129.0	10.190	90.2	1481.5	2731.1	29.2
450.0	447.4	6.038	5.999	34.078	26.824	28.886	26.819	127.7	10.318	90.2	1481.3	2832.8	6.3
460.0	457.4	5.977	5.937	34.090	26.842	28.950	26.837	126.1	10.445	90.2	1481.3	2935.8	20.1
470.0	467.3	5.855	5.814	34.090	26.857	29.012	26.852	124.6	10.571	90.2	1481.0	3040.0	36.2
480.0	477.2	5.647	5.606	34.077	26.872	29.076	26.868	123.1	10.694	90.2	1480.3	3145.5	3.9
490.0	487.1	5.552	5.511	34.083	26.889	29.139	26.884	121.6	10.817	90.2	1480.0	3252.2	42.3
500.0	497.0	5.431	5.390	34.088	26.907	29.204	26.902	119.8	10.937	90.2	1479.7	3360.1	8.6
510.0	507.0	5.394	5.352	34.102	26.922	29.265	26.917	118.5	11.057	90.2	1479.8	3469.2	38.2
520.0	516.9	5.276	5.234	34.112	26.944	29.335	26.940	116.4	11.174	90.2	1479.5	3579.4	28.8
530.0	526.8	5.117	5.074	34.118	26.967	29.406	26.962	114.1	11.289	90.2	1479.0	3690.8	24.1
540.0	536.7	5.051	5.008	34.123	26.979	29.464	26.975	113.0	11.403	90.2	1478.9	3803.3	2.1
550.0	546.6	5.112	5.068	34.143	26.988	29.518	26.983	112.4	11.515	90.2	1479.3	3916.9	7.4
560.0	556.5	5.080	5.035	34.157	27.003	29.579	26.998	111.1	11.627	90.2	1479.4	4031.7	18.5
570.0	566.5	5.031	4.985	34.169	27.018	29.640	27.013	109.7	11.738	90.2	1479.3	4147.5	14.4
580.0	576.4	4.909	4.863	34.184	27.044	29.713	27.039	107.2	11.846	90.2	1479.0	4264.4	13.5
590.0	586.3	4.924	4.877	34.203	27.058	29.773	27.052	106.1	11.953	90.2	1479.3	4382.4	5.6
600.0	596.2	4.878	4.831	34.220	27.076	29.837	27.071	104.4	12.058	90.2	1479.3	4501.4	29.1
610.0	606.1	4.886	4.838	34.236	27.088	29.896	27.083	103.3	12.162	90.2	1479.5	4621.4	13.6
620.0	616.0	4.827	4.778	34.243	27.101	29.954	27.095	102.2	12.265	90.1	1479.4	4742.4	13.8
630.0	625.9	4.797	4.747	34.244	27.104	30.004	27.098	102.0	12.367	90.2	1479.5	4864.5	8.9
640.0	635.8	4.802	4.752	34.264	27.119	30.065	27.114	100.6	12.468	90.2	1479.7	4987.6	13.9
650.0	645.7	4.784	4.733	34.268	27.125	30.117	27.120	100.2	12.568	90.2	1479.8	5111.6	6.8
660.0	655.7	4.753	4.701	34.278	27.136	30.174	27.131	99.2	12.668	90.2	1479.8	5236.7	11.5
670.0	665.6	4.715	4.662	34.290	27.151	30.234	27.145	97.9	12.767	90.2	1479.8	5362.7	18.0
680.0	675.5	4.707	4.654	34.295	27.155	30.285	27.149	97.6	12.865	90.2	1480.0	5489.7	9.5
690.0	685.4	4.685	4.631	34.301	27.163	30.339	27.157	96.9	12.962	90.1	1480.1	5617.6	2.2
700.0	695.3	4.672	4.617	34.305	27.168	30.389	27.162	96.6	13.059	90.1	1480.2	5746.5	5.4
710.0	705.2	4.655	4.600	34.311	27.174	30.442	27.168	96.0	13.155	90.2	1480.3	5876.3	3.9
720.0	715.1	4.610	4.554	34.318	27.185	30.499	27.179	95.1	13.250	90.2	1480.3	6007.1	9.5
730.0	725.0	4.604	4.547	34.322	27.189	30.548	27.183	94.8	13.345	90.2	1480.4	6138.8	5.4
740.0	734.9	4.570	4.512	34.334	27.202	30.608	27.196	93.6	13.439	90.1	1480.4	6271.5	4.5
750.0	744.8	4.508	4.450	34.344	27.217	30.669	27.210	92.2	13.532	90.2	1480.4	6405.0	4.2
760.0	754.7	4.363	4.305	34.329	27.221	30.722	27.215	91.7	13.624	90.3	1479.9	6539.5	-1.9
770.0	764.6	4.449	4.390	34.358	27.235	30.780	27.228	90.6	13.715	90.2	1480.5	6674.9	23.0
780.0	774.5	4.424	4.364	34.363	27.241	30.833	27.235	90.0	13.806	90.1	1480.5	6811.2	6.6
790.0	784.4	4.306	4.246	34.353	27.246	30.885	27.239	89.5	13.896	90.1	1480.2	6948.3	6.9
800.0	794.3	4.388	4.327	34.375	27.255	30.938	27.248	88.9	13.985	90.1	1480.7	7086.3	3.7
810.0	804.2	4.332	4.270	34.375	27.261	30.990	27.254	88.4	14.074	90.2	1480.7	7225.2	14.2
820.0	814.1	4.289	4.227	34.381	27.270	31.047	27.264	87.5	14.161	90.1	1480.7	7365.0	8.9
830.0	824.0	4.263	4.200	34.383	27.275	31.097	27.268	87.1	14.249	90.2	1480.7	7505.6	6.3
840.0	833.9	4.234	4.170	34.391	27.284	31.152	27.277	86.4	14.335	90.1	1480.8	7647.1	4.8
850.0	843.8	4.199	4.134	34.395	27.291	31.206	27.284	85.7	14.422	90.2	1480.8	7789.5	7.5
860.0	853.7	4.181	4.116	34.397	27.295	31.256	27.288	85.4	14.507	90.1	1480.9	7932.6	7.5
870.0	863.6	4.158	4.092	34.404	27.303	31.310	27.296	84.7	14.592	90.1	1481.0	8076.6	6.3
880.0	873.5	4.133	4.066	34.408	27.309	31.362	27.302	84.2	14.676	90.2	1481.0	8221.5	3.1
890.0	883.4	4.127	4.059	34.412	27.313	31.412	27.306	83.9	14.760	90.2	1481.2	8367.1	4.0
900.0	893.3	4.104	4.036	34.422	27.323	31.468	27.316	83.0	14.844	90.1	1481.2	8513.6	9.6
910.0	903.2	4.056	3.988	34.428	27.333	31.524	27.325	82.1	14.927	90.1	1481.2	8660.9	6.6
920.0	913.1	4.030	3.961	34.431	27.338	31.576	27.331	81.6	15.009	90.3	1481.3	8809.0	4.6
930.0	923.0	4.008	3.938	34.433	27.342	31.626	27.334	81.3	15.090	90.2	1481.4	8957.9	9.0
940.0	932.9	3.990	3.919	34.437	27.347	31.677	27.339	80.9	15.171	90.1	1481.5	9107.6	6.9
950.0	942.8	3.955	3.884	34.444	27.356	31.733	27.349	80.0	15.251	90.2	1481.5	9258.1	11.0
960.0	952.7	3.930	3.858	34.449	27.362	31.785	27.355	79.4	15.331	90.1	1481.5	9409.4	8.1
970.0	962.6	3.936	3.864	34.452	27.365	31.833	27.357	79.4	15.411	90.1	1481.7	9561.5	4.3
980.0	972.5	3.920	3.847	34.459	27.372	31.886	27.364	78.7	15.490	90.1	1481.8	9714.3	7.5
990.0	982.3	3.897	3.823	34.460	27.375	31.935	27.367	78.5	15.568	90.1	1481.9	9867.9	2.9

Station	6	Latitude	32° 04.83'N		Longitude	126° 50.81'W		22 Aug 1989 GMT 07:08			Bottom	2400 m
Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
1000.0	992.2	3.832	3.757	34.460	27.381	31.989	27.374	77.8	15.646	90.1	1481.8	10022.3	6.7
1020.0	1012.0	3.805	3.730	34.474	27.395	32.095	27.388	76.6	15.801	90.1	1482.0	10333.3	2.9
1040.0	1031.8	3.774	3.697	34.481	27.404	32.196	27.397	75.9	15.953	90.0	1482.3	10647.3	13.7
1060.0	1051.6	3.704	3.625	34.489	27.418	32.302	27.410	74.7	16.104	90.1	1482.3	10964.3	4.4
1080.0	1071.3	3.672	3.592	34.494	27.425	32.401	27.417	74.0	16.252	90.1	1482.5	11284.2	4.1
1100.0	1091.1	3.629	3.548	34.497	27.431	32.500	27.424	73.5	16.399	90.1	1482.7	11607.0	4.7
1120.0	1110.9	3.593	3.510	34.501	27.438	32.599	27.430	72.9	16.545	90.0	1482.8	11932.7	.3
1140.0	1130.7	3.541	3.457	34.506	27.448	32.701	27.440	72.0	16.691	90.1	1483.0	12261.2	5.0
1160.0	1150.4	3.489	3.404	34.513	27.458	32.804	27.450	71.1	16.834	90.0	1483.1	12592.5	9.1
1180.0	1170.2	3.446	3.360	34.516	27.465	32.903	27.456	70.5	16.976	90.1	1483.2	12926.6	4.4
1200.0	1189.9	3.402	3.314	34.520	27.472	33.003	27.464	69.8	17.116	90.0	1483.4	13263.5	1.8
1220.0	1209.7	3.356	3.268	34.523	27.479	33.102	27.471	69.2	17.255	90.1	1483.5	13603.1	1.8
1240.0	1229.5	3.299	3.209	34.529	27.490	33.206	27.482	68.2	17.393	90.1	1483.6	13945.4	7.1
1260.0	1249.2	3.245	3.155	34.533	27.498	33.306	27.489	67.5	17.528	90.1	1483.7	14290.3	.6
1280.0	1269.0	3.204	3.112	34.536	27.504	33.404	27.496	66.9	17.663	90.0	1483.9	14637.9	11.2
1300.0	1288.7	3.166	3.073	34.539	27.510	33.502	27.501	66.4	17.796	90.0	1484.0	14988.1	-.8
1320.0	1308.5	3.128	3.033	34.542	27.516	33.601	27.507	65.9	17.928	90.1	1484.2	15340.9	-1.7
1340.0	1328.2	3.091	2.995	34.545	27.522	33.699	27.513	65.3	18.059	90.0	1484.4	15696.2	6.5
1360.0	1348.0	3.058	2.961	34.546	27.526	33.795	27.517	65.0	18.190	90.0	1484.6	16054.1	5.1
1380.0	1367.7	3.039	2.940	34.549	27.530	33.891	27.521	64.6	18.319	90.1	1484.8	16414.5	1.9
1400.0	1387.5	3.010	2.910	34.550	27.535	33.987	27.525	64.3	18.448	90.1	1485.1	16777.5	5.1
1420.0	1407.2	2.961	2.860	34.553	27.541	34.086	27.532	63.6	18.576	90.1	1485.2	17142.9	3.6
1440.0	1426.9	2.931	2.828	34.557	27.547	34.183	27.538	63.1	18.703	90.1	1485.4	17510.9	9.2
1460.0	1446.7	2.886	2.783	34.561	27.555	34.283	27.545	62.4	18.829	90.0	1485.5	17881.2	1.6
1480.0	1466.4	2.851	2.747	34.563	27.559	34.380	27.550	62.0	18.953	90.1	1485.7	18254.0	.5
1500.0	1486.2	2.839	2.733	34.564	27.561	34.473	27.552	61.9	19.077	90.0	1486.0	18629.3	5.2
1520.0	1505.9	2.807	2.700	34.568	27.567	34.571	27.558	61.3	19.200	90.1	1486.2	19006.9	6.6
1540.0	1525.6	2.764	2.656	34.571	27.573	34.670	27.564	60.7	19.322	90.0	1486.4	19386.9	3.4
1560.0	1545.3	2.701	2.591	34.574	27.581	34.771	27.572	59.9	19.442	90.0	1486.4	19769.2	2.3
1580.0	1565.1	2.674	2.563	34.577	27.586	34.867	27.576	59.5	19.561	90.1	1486.6	20153.9	3.4
1600.0	1584.8	2.655	2.542	34.578	27.589	34.962	27.580	59.2	19.680	90.1	1486.9	20540.9	2.6
1620.0	1604.5	2.595	2.481	34.583	27.598	35.064	27.589	58.2	19.797	90.0	1487.0	20930.1	.5
1640.0	1624.2	2.576	2.461	34.585	27.602	35.159	27.592	58.0	19.914	90.1	1487.2	21321.7	5.5
1660.0	1643.9	2.537	2.421	34.588	27.607	35.256	27.597	57.5	20.029	90.0	1487.4	21715.4	3.5
1680.0	1663.7	2.504	2.387	34.590	27.612	35.353	27.602	57.0	20.144	90.0	1487.6	22111.4	1.4
1700.0	1683.4	2.483	2.365	34.593	27.616	35.448	27.606	56.7	20.257	90.0	1487.8	22509.7	.6
1720.0	1703.1	2.460	2.340	34.595	27.619	35.543	27.609	56.4	20.370	90.0	1488.1	22910.1	2.3
1740.0	1722.8	2.425	2.304	34.597	27.624	35.640	27.614	55.9	20.482	90.0	1488.3	23312.7	-1.2
1760.0	1742.5	2.389	2.267	34.599	27.629	35.737	27.619	55.3	20.593	90.0	1488.4	23717.4	1.8
1780.0	1762.2	2.373	2.249	34.601	27.632	35.831	27.621	55.2	20.704	90.0	1488.7	24124.3	.3
1800.0	1781.9	2.343	2.218	34.604	27.637	35.928	27.627	54.6	20.814	90.0	1488.9	24533.3	4.7
1820.0	1801.6	2.337	2.211	34.604	27.638	36.019	27.627	54.7	20.923	90.1	1489.2	24944.5	.4
1840.0	1821.3	2.306	2.178	34.606	27.642	36.115	27.631	54.3	21.032	89.9	1489.4	25357.7	1.3
1860.0	1841.0	2.272	2.144	34.610	27.648	36.214	27.638	53.6	21.140	90.0	1489.6	25773.1	2.7
1880.0	1860.7	2.248	2.118	34.612	27.651	36.308	27.641	53.3	21.247	90.1	1489.9	26190.5	1.0
1900.0	1880.4	2.211	2.079	34.615	27.657	36.406	27.646	52.7	21.353	90.1	1490.0	26610.0	6.0
1920.0	1900.1	2.175	2.042	34.618	27.663	36.504	27.652	52.1	21.458	90.0	1490.2	27031.5	2.5
1940.0	1919.8	2.167	2.032	34.620	27.665	36.596	27.654	52.0	21.562	90.0	1490.5	27455.1	7.2
1960.0	1939.5	2.139	2.004	34.622	27.669	36.692	27.658	51.6	21.665	90.0	1490.7	27880.6	2.5
1980.0	1959.2	2.130	1.993	34.623	27.670	36.784	27.659	51.5	21.768	90.0	1491.0	28308.1	.5
2000.0	1978.8	2.109	1.970	34.624	27.673	36.878	27.662	51.2	21.871	90.0	1491.3	28737.7	1.7
2050.0	2028.0	2.084	1.941	34.628	27.678	37.109	27.667	50.9	22.126	90.0	1492.0	29820.1	3.8
2100.0	2077.2	2.041	1.895	34.633	27.686	37.344	27.674	50.2	22.379	90.1	1492.7	30914.8	2.3
2150.0	2126.4	1.990	1.841	34.638	27.694	37.580	27.682	49.4	22.629	90.1	1493.3	32021.5	.6
2200.0	2175.6	1.946	1.793	34.640	27.700	37.812	27.688	48.9	22.875	90.0	1493.9	33140.2	.9
2250.0	2224.7	1.903	1.747	34.644	27.706	38.045	27.694	48.3	23.118	90.0	1494.6	34270.7	4.5
2300.0	2273.9	1.907	1.746	34.643	27.705	38.269	27.693	48.6	23.360	90.0	1495.5	35412.7	-.7
2350.0	2323.0	1.890	1.725	34.645	27.709	38.497	27.696	48.4	23.603	90.0	1496.2	36566.5	.2
2364.0	2336.8	1.885	1.719	34.645	27.709	38.561	27.697	48.3	23.670	90.0	1496.4	36891.6	.0

Station 7 Latitude 32° 06.16'N Longitude 126° 54.99'W 22 Aug 1989 GMT 09:28 Bottom 1260 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	18.983	18.983	33.477	23.863	23.863	23.863	403.1	.000	89.6	1517.5	.0	.0
10.0	10.0	18.976	18.975	33.479	23.867	23.910	23.866	403.1	.403	89.6	1517.7	2.0	46.3
20.0	19.9	18.853	18.850	33.483	23.901	23.988	23.900	400.2	.804	89.6	1517.5	8.0	5.8
30.0	29.9	18.837	18.832	33.482	23.905	24.035	23.903	400.2	1.204	89.4	1517.6	18.0	2.6
40.0	39.9	18.730	18.723	33.484	23.934	24.108	23.932	397.8	1.604	89.5	1517.4	32.0	97.7
50.0	49.8	18.565	18.556	33.478	23.971	24.188	23.969	394.6	2.000	89.5	1517.1	50.0	41.2
60.0	59.8	18.254	18.244	33.472	24.044	24.305	24.041	388.0	2.392	89.4	1516.4	71.9	190.2
70.0	69.8	17.226	17.214	33.591	24.383	24.689	24.381	355.9	2.767	89.4	1513.7	97.6	443.6
80.0	79.7	16.483	16.471	33.646	24.600	24.950	24.597	335.5	3.110	89.5	1511.7	126.9	97.7
90.0	89.7	16.205	16.191	33.679	24.689	25.084	24.686	327.3	3.442	89.6	1511.0	159.5	50.8
100.0	99.7	15.336	15.321	33.601	24.824	25.264	24.821	314.6	3.763	89.6	1508.4	195.4	50.9
110.0	109.6	15.006	14.990	33.600	24.896	25.381	24.892	308.0	4.075	89.7	1507.5	234.5	124.7
120.0	119.6	14.429	14.411	33.602	25.021	25.552	25.018	296.3	4.375	89.6	1505.8	276.5	70.4
130.0	129.5	14.219	14.200	33.633	25.090	25.665	25.086	290.0	4.668	89.7	1505.3	321.5	118.4
140.0	139.5	13.553	13.533	33.626	25.222	25.843	25.218	277.6	4.953	89.9	1503.3	369.4	217.8
150.0	149.4	12.830	12.810	33.593	25.341	26.008	25.337	266.3	5.224	90.0	1501.0	420.1	77.8
160.0	159.4	11.982	11.962	33.580	25.494	26.209	25.490	251.8	5.484	90.2	1498.2	473.4	120.3
170.0	169.3	11.362	11.340	33.598	25.623	26.385	25.619	239.6	5.731	90.2	1496.2	529.1	169.1
180.0	179.3	10.857	10.835	33.587	25.705	26.513	25.701	231.8	5.966	90.2	1494.6	587.3	54.0
190.0	189.2	10.557	10.534	33.637	25.796	26.650	25.792	223.3	6.194	90.2	1493.7	647.8	97.5
200.0	199.2	10.076	10.053	33.666	25.902	26.802	25.898	213.4	6.412	90.2	1492.2	710.5	84.0
210.0	209.1	9.776	9.753	33.674	25.958	26.905	25.954	208.1	6.622	90.3	1491.3	775.3	91.0
220.0	219.1	9.468	9.444	33.761	26.077	27.070	26.073	196.9	6.824	90.3	1490.4	842.1	49.3
230.0	229.0	9.242	9.217	33.794	26.140	27.179	26.136	191.1	7.019	90.2	1489.8	910.9	35.8
240.0	238.9	8.943	8.917	33.846	26.228	27.314	26.224	182.8	7.207	90.2	1488.9	981.6	105.2
250.0	248.9	8.719	8.693	33.893	26.300	27.432	26.296	176.0	7.385	90.3	1488.3	1054.1	20.2
260.0	258.8	8.517	8.490	33.926	26.357	27.536	26.353	170.7	7.558	90.2	1487.7	1128.3	29.6
270.0	268.7	8.323	8.295	33.950	26.406	27.631	26.402	166.2	7.727	90.2	1487.2	1204.3	70.8
280.0	278.7	8.207	8.178	33.955	26.427	27.698	26.423	164.3	7.893	90.2	1486.9	1281.9	18.7
290.0	288.6	8.093	8.064	33.966	26.453	27.770	26.448	162.0	8.056	90.2	1486.7	1361.1	26.0
300.0	298.5	7.924	7.894	33.978	26.487	27.850	26.482	158.8	8.216	90.2	1486.2	1441.9	31.5
310.0	308.5	7.746	7.715	33.990	26.523	27.933	26.518	155.4	8.373	90.2	1485.7	1524.3	50.8
320.0	318.4	7.592	7.561	33.994	26.548	28.004	26.544	153.1	8.528	90.1	1485.2	1608.2	49.0
330.0	328.3	7.447	7.415	33.997	26.571	28.074	26.567	151.0	8.679	90.1	1484.9	1693.6	14.5
340.0	338.3	7.369	7.336	33.998	26.583	28.132	26.579	150.0	8.830	90.1	1484.7	1780.6	35.8
350.0	348.2	7.108	7.075	34.002	26.622	28.219	26.618	146.2	8.977	90.2	1483.9	1869.0	3.6
360.0	358.1	6.944	6.910	34.004	26.646	28.290	26.642	144.0	9.123	90.1	1483.4	1958.8	25.8
370.0	368.0	6.807	6.773	34.011	26.670	28.360	26.666	141.8	9.265	90.1	1483.0	2050.1	15.5
380.0	378.0	6.736	6.701	34.009	26.679	28.415	26.675	141.0	9.406	90.1	1482.9	2142.8	17.0
390.0	387.9	6.579	6.544	34.009	26.699	28.483	26.695	139.1	9.546	90.1	1482.4	2236.8	2.0
400.0	397.8	6.539	6.503	34.028	26.720	28.549	26.715	137.3	9.685	90.2	1482.5	2332.3	27.8
410.0	407.7	6.484	6.447	34.034	26.732	28.608	26.728	136.2	9.821	90.1	1482.4	2429.1	14.6
420.0	417.7	6.422	6.384	34.040	26.745	28.666	26.740	135.1	9.957	90.0	1482.3	2527.2	23.1
430.0	427.6	6.271	6.233	34.046	26.769	28.738	26.765	132.8	10.091	90.1	1481.9	2626.7	9.6
440.0	437.5	6.172	6.133	34.059	26.792	28.807	26.787	130.7	10.223	90.1	1481.7	2727.5	14.0
450.0	447.4	6.132	6.093	34.066	26.803	28.864	26.798	129.8	10.353	90.1	1481.7	2829.6	27.2
460.0	457.4	6.037	5.997	34.084	26.830	28.937	26.825	127.3	10.481	90.0	1481.5	2932.9	18.7
470.0	467.3	5.958	5.918	34.089	26.844	28.997	26.838	126.0	10.608	90.0	1481.4	3037.5	18.1
480.0	477.2	5.839	5.798	34.085	26.855	29.056	26.850	125.0	10.734	90.1	1481.0	3143.4	9.0
490.0	487.1	5.742	5.700	34.087	26.869	29.116	26.864	123.7	10.858	90.1	1480.8	3250.5	21.8
500.0	497.0	5.608	5.566	34.096	26.892	29.187	26.886	121.5	10.981	90.1	1480.5	3358.8	25.6
510.0	507.0	5.445	5.403	34.111	26.923	29.266	26.918	118.4	11.101	90.0	1480.0	3468.3	28.2
520.0	516.9	5.265	5.222	34.105	26.940	29.331	26.935	116.7	11.219	90.0	1479.4	3579.0	19.7
530.0	526.8	5.180	5.138	34.114	26.957	29.395	26.952	115.1	11.335	90.0	1479.2	3690.8	10.3
540.0	536.7	5.125	5.081	34.123	26.971	29.455	26.966	113.9	11.449	90.0	1479.2	3803.8	6.2
550.0	546.6	5.060	5.016	34.132	26.985	29.516	26.980	112.6	11.563	90.0	1479.1	3917.9	11.2
560.0	556.5	4.942	4.898	34.129	26.996	29.574	26.991	111.5	11.674	90.0	1478.8	4033.1	1.8
570.0	566.5	4.841	4.796	34.144	27.020	29.645	27.015	109.3	11.785	90.0	1478.5	4149.4	28.1
580.0	576.4	4.788	4.743	34.151	27.031	29.703	27.026	108.2	11.894	90.0	1478.5	4266.7	11.2
590.0	586.3	4.754	4.708	34.171	27.051	29.769	27.046	106.4	12.001	90.0	1478.5	4385.2	19.1
600.0	596.2	4.660	4.614	34.175	27.065	29.830	27.060	105.1	12.107	90.0	1478.3	4504.7	10.3
610.0	606.1	4.635	4.588	34.184	27.074	29.885	27.069	104.3	12.212	90.0	1478.4	4625.2	3.2
620.0	616.0	4.595	4.547	34.194	27.087	29.944	27.082	103.1	12.315	90.0	1478.4	4746.7	5.0
630.0	625.9	4.575	4.527	34.199	27.094	29.997	27.088	102.6	12.418	90.0	1478.5	4869.3	12.0
640.0	635.8	4.540	4.490	34.211	27.107	30.056	27.101	101.4	12.520	90.0	1478.5	4992.9	4.1
650.0	645.7	4.509	4.459	34.221	27.118	30.114	27.113	100.4	12.621	90.1	1478.6	5117.5	10.0
660.0	655.7	4.489	4.438	34.228	27.126	30.168	27.120	99.8	12.722	90.0	1478.7	5243.0	10.9
670.0	665.6	4.449	4.398	34.240	27.139	30.228	27.134	98.5	12.821	90.0	1478.7	5369.6	4.4
680.0	675.5	4.414	4.362	34.255	27.155	30.290	27.150	97.1	12.919	90.0	1478.7	5497.1	22.0
690.0	685.4	4.397	4.345	34.263	27.163	30.344	27.158	96.4	13.016	90.0	1478.8	5625.6	3.3
700.0	695.3	4.391	4.337	34.268	27.169	30.395	27.163	96.0	13.112	89.9	1479.0	5755.0	21.4
710.0	705.2	4.380	4.326	34.277	27.177	30.449	27.171	95.3	13.207	90.0	1479.1	5885.3	-.5
720.0	715.1	4.388	4.333	34.286	27.184	30.502	27.178	94.8	13.302	90.0	1479.3	6016.6	14.7
730.0	725.0	4.389	4.333	34.293	27.189	30.553	27.183	94.4	13.397	90.0	1479.5	6148.9	2.1
740.0	734.9	4.369	4.313	34.301	27.198	30.608	27.192	93.6	13.491	90.1	1479.6	6282.0	6.5
750.0	744.8	4.345	4.288	34.311	27.208	30.664	27.202	92.7	13.584	90.0	1479.6	6416.1	5.1
760.0	754.7	4.321	4.264	34.323	27.220	30.722	27.214	91.6	13.676	90.0	1479.7	6551.1	16.5
770.0	764.6	4.320	4.261	34.337	27.231	30.779	27.225	90.7	13.768	90.0	1479.9	6687.0	10.4
780.0	774.5	4.308	4.249	34.347	27.240	30.834	27.234	89.9	13.858	90.1	1480.0	6823.8	5.4
790.0	784.4	4.303	4.243	34.362	27.253	30.893	27.247	88.8	13.947	90.0	1480.2	6961.4	8.6
800.0	794.3	4.310	4.249	34.369	27.258	30.943	27.252	88.5	14.036	90.0	1480.4	7100.0	12.7
810.0	804.2	4.254	4.193	34.395	27.285	31.016	27.278	86.0	14.124	89.9	1480.4	7239.4	59.9
820.0	814.1	4.223	4.161	34.407	27.298	31.075	27.291	84.8	14.209	89.9	1480.4	7379.6	4.2
830.0	824.0	4.176	4.113	34.410	27.305	31.129	27.298	84.2	14.293	89.9	1480.4	7520.7	8.9
840.0	833.9	4.137	4.074	34.413	27.312	31.182	27.305	83.6	14.377	90.0	1480.4	7662.6	-.4
850.0	843.8	4.084	4.020	34.414	27.318	31.235	27.311	82.9	14.461	90.0	1480.3	7805.4	4.8
860.0	853.7	4.046	3.981	34.426	27.332	31.296	27.325	81.6	14.543	90.0	1480.4	7948.9	16.0
870.0	863.6	4.003	3.938	34.429	27.339	31.349	27.332	81.0	14.624	90.0	1480.3	8093.2	2.5
880.0	873.5	3.986	3.920	34.434	27.344	31.400	27.337	80.6	14.705	89.9	1480.4	8238.4	4.8
890.0	883.4	3.982	3.915	34.436	27.346	31.448	27.339	80.5	14.786	90.0	1480.6	8384.3	16.6
900.0	893.3	3.931	3.864	34.444	27.358	31.507	27.351	79.3	14.866	89.9	1480.6	8531.0	12.7
910.0	903.2	3.927	3.859	34.448	27.362	31.556	27.355	79.1	14.945	90.0	1480.7	8678.5	2.2
920.0	913.1	3.912	3.844	34.452	27.366	31.607	27.359	78.7	15.024	89.9	1480.8	8826.8	-1.0
930.0	923.0	3.912	3.843	34.451	27.366	31.653	27.359	78.8	15.102	89.9	1481.0	8975.8	1.9
940.0	932.9	3.885	3.816	34.458	27.373	31.706	27.366	78.1	15.181	89.9	1481.0	9125.6	3.7
950.0	942.8	3.874	3.803	34.459	27.376	31.755	27.369	77.9	15.259	90.0	1481.2	9276.2	-.1
960.0	952.7	3.862	3.791	34.462	27.380	31.804	27.373	77.7	15.336	89.9	1481.3	9427.5	.5
970.0	962.6	3.857	3.785	34.462	27.381	31.851	27.373	77.7	15.414	89.9	1481.4	9579.6	4.3
980.0	972.5	3.851	3.778	34.463	27.382	31.898	27.374	77.6	15.492	89.9	1481.6	9732.5	3.7
990.0	982.3	3.831	3.757	34.467	27.387	31.949	27.379	77.2	15.569	89.9	1481.6	9886.1	-3.3

Station	7	Latitude	32° 06.16'N	Longitude	126° 54.99'W	22 Aug 1989 GMT 09:28					Bottom	1260 m
Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
1000.0	992.2	3.747	3.673	34.480	27.406	32.016	27.399	75.3	15.645	89.9	1481.5	10040.5	5.5
1020.0	1012.0	3.721	3.646	34.484	27.412	32.113	27.404	74.9	15.795	89.8	1481.7	10351.4	-.7
1040.0	1031.8	3.719	3.642	34.483	27.412	32.204	27.404	75.1	15.945	89.9	1482.0	10665.3	-1.5
1060.0	1051.6	3.687	3.609	34.488	27.418	32.303	27.411	74.5	16.094	89.9	1482.2	10982.1	6.1
1080.0	1071.3	3.527	3.449	34.506	27.448	32.428	27.441	71.5	16.241	89.8	1481.9	11301.8	20.1
1100.0	1091.1	3.456	3.376	34.512	27.460	32.533	27.452	70.3	16.383	89.8	1481.9	11624.3	.5
1120.0	1110.9	3.438	3.357	34.514	27.463	32.628	27.456	70.1	16.523	89.9	1482.2	11949.6	7.6
1140.0	1130.7	3.432	3.349	34.514	27.465	32.721	27.457	70.2	16.663	89.8	1482.5	12277.6	-.9
1160.0	1150.4	3.411	3.327	34.515	27.468	32.816	27.460	70.0	16.803	89.8	1482.7	12608.4	1.5
1180.0	1170.2	3.401	3.315	34.518	27.471	32.910	27.463	69.8	16.943	89.9	1483.0	12941.8	2.3
1200.0	1189.9	3.369	3.282	34.521	27.476	33.007	27.468	69.4	17.083	90.0	1483.2	13278.0	10.3
1220.0	1209.7	3.324	3.236	34.524	27.483	33.107	27.475	68.8	17.220	89.8	1483.4	13617.0	-2.3
1240.0	1229.5	3.318	3.229	34.525	27.485	33.200	27.476	68.7	17.358	89.9	1483.7	13958.6	8.5
1260.0	1249.2	3.238	3.148	34.532	27.498	33.306	27.490	67.4	17.494	89.8	1483.7	14302.8	-.8
1280.0	1269.0	3.250	3.158	34.530	27.496	33.394	27.487	67.9	17.629	89.8	1484.1	14649.7	-6.1
1300.0	1288.7	3.187	3.093	34.536	27.506	33.498	27.498	66.8	17.763	89.8	1484.1	14999.3	-.8
1320.0	1308.5	3.121	3.027	34.541	27.516	33.601	27.507	65.8	17.896	89.9	1484.2	15351.4	-3.7
1332.0	1320.3	3.128	3.032	34.540	27.515	33.654	27.506	66.0	17.976	89.8	1484.4	15564.0	.0

Station 8 Latitude 32° 07.91'N Longitude 126° 59.64'W 22 Aug 1989 GMT 11:24 Bottom 3020 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	18.986	18.986	33.491	23.873	23.873	23.873	402.2	.000	89.1	1517.5	.0	.0
10.0	10.0	18.987	18.986	33.491	23.873	23.916	23.872	402.6	.402	89.2	1517.7	2.0	-.5
20.0	19.9	18.920	18.916	33.495	23.893	23.980	23.893	400.9	.805	89.1	1517.7	8.0	36.4
30.0	29.9	18.895	18.890	33.493	23.899	24.029	23.897	400.7	1.205	89.2	1517.8	18.0	3.7
40.0	39.9	18.887	18.880	33.493	23.901	24.075	23.899	400.9	1.606	89.1	1517.9	32.1	2.0
50.0	49.8	18.731	18.722	33.487	23.937	24.154	23.934	397.9	2.006	89.1	1517.6	50.1	22.2
60.0	59.8	17.707	17.697	33.472	24.177	24.439	24.174	375.2	2.395	88.9	1514.8	72.0	290.8
70.0	69.8	16.532	16.520	33.699	24.629	24.935	24.626	332.4	2.752	89.2	1511.7	97.7	220.7
80.0	79.7	16.125	16.112	33.684	24.711	25.062	24.708	324.9	3.079	89.2	1510.6	126.8	104.1
90.0	89.7	15.882	15.868	33.743	24.812	25.207	24.809	315.5	3.398	89.3	1510.1	159.0	21.8
100.0	99.7	15.165	15.150	33.657	24.905	25.346	24.902	306.9	3.710	89.3	1507.9	194.4	103.0
110.0	109.6	14.608	14.592	33.630	25.004	25.490	25.001	297.6	4.013	89.2	1506.2	232.9	127.2
120.0	119.6	14.221	14.204	33.619	25.078	25.608	25.074	290.8	4.306	89.3	1505.1	274.3	-5.8
130.0	129.5	13.815	13.797	33.635	25.176	25.751	25.172	281.8	4.593	89.4	1504.0	318.6	126.5
140.0	139.5	13.069	13.050	33.622	25.316	25.939	25.313	268.4	4.868	89.6	1501.7	365.7	137.2
150.0	149.4	12.396	12.377	33.608	25.437	26.105	25.433	257.1	5.131	89.7	1499.5	415.4	143.3
160.0	159.4	11.971	11.950	33.587	25.501	26.216	25.498	251.1	5.385	89.8	1498.2	467.7	49.8
170.0	169.3	11.345	11.324	33.590	25.619	26.381	25.616	239.9	5.630	89.8	1496.2	522.5	92.7
180.0	179.3	10.732	10.710	33.644	25.771	26.580	25.768	225.5	5.863	89.9	1494.2	579.7	129.2
190.0	189.2	10.180	10.158	33.672	25.889	26.744	25.885	214.4	6.082	89.8	1492.4	639.1	48.0
200.0	199.1	9.624	9.602	33.738	26.033	26.935	26.029	200.7	6.292	89.8	1490.6	700.6	208.6
210.0	209.1	9.148	9.125	33.818	26.173	27.123	26.169	187.5	6.485	89.8	1489.1	764.1	43.1
220.0	219.0	8.930	8.907	33.861	26.241	27.237	26.237	181.1	6.670	89.8	1488.5	829.5	132.7
230.0	229.0	8.752	8.727	33.886	26.289	27.331	26.285	176.7	6.849	89.9	1488.1	896.7	76.1
240.0	238.9	8.553	8.528	33.913	26.341	27.429	26.337	171.9	7.023	89.8	1487.5	965.6	17.3
250.0	248.8	8.397	8.371	33.936	26.383	27.517	26.379	168.0	7.193	89.8	1487.1	1036.2	43.3
260.0	258.8	8.259	8.232	33.952	26.416	27.597	26.412	164.9	7.360	89.8	1486.8	1108.5	28.9
270.0	268.7	8.195	8.168	33.958	26.431	27.656	26.427	163.7	7.524	89.8	1486.7	1182.5	9.6
280.0	278.6	7.910	7.882	33.986	26.495	27.768	26.491	157.6	7.686	89.7	1485.8	1258.0	64.9
290.0	288.6	7.852	7.824	33.988	26.506	27.824	26.501	156.8	7.843	89.8	1485.8	1335.1	29.4
300.0	298.5	7.673	7.644	34.001	26.542	27.907	26.537	153.4	7.998	89.8	1485.2	1413.8	35.0
310.0	308.4	7.490	7.460	33.999	26.566	27.978	26.562	151.2	8.151	89.8	1484.7	1494.0	9.2
320.0	318.4	7.329	7.298	34.001	26.591	28.049	26.587	148.9	8.301	89.7	1484.2	1575.7	16.2
330.0	328.3	7.229	7.198	34.009	26.611	28.116	26.607	147.1	8.449	89.7	1484.0	1658.8	8.6
340.0	338.2	7.203	7.171	34.006	26.612	28.163	26.608	147.1	8.596	89.8	1484.1	1743.5	4.8
350.0	348.2	7.176	7.143	34.022	26.629	28.225	26.625	145.6	8.743	89.7	1484.2	1829.5	37.8
360.0	358.1	7.010	6.976	34.027	26.656	28.299	26.652	143.1	8.887	89.7	1483.7	1917.1	39.6
370.0	368.0	6.833	6.799	34.029	26.681	28.371	26.677	140.7	9.029	89.6	1483.1	2006.0	24.9
380.0	377.9	6.696	6.661	34.028	26.699	28.435	26.694	139.2	9.169	89.7	1482.8	2096.3	24.0
390.0	387.9	6.592	6.556	34.030	26.715	28.497	26.710	137.7	9.307	89.7	1482.5	2188.0	22.2
400.0	397.8	6.549	6.513	34.035	26.725	28.553	26.720	136.9	9.444	89.7	1482.5	2281.1	17.5
410.0	407.7	6.402	6.365	34.045	26.751	28.627	26.747	134.3	9.580	89.6	1482.1	2375.5	6.4
420.0	417.6	6.256	6.219	34.047	26.772	28.694	26.767	132.4	9.714	89.5	1481.7	2471.2	40.6
430.0	427.6	6.123	6.085	34.045	26.788	28.757	26.783	130.9	9.845	89.6	1481.3	2568.2	33.9
440.0	437.5	6.026	5.988	34.051	26.804	28.821	26.799	129.4	9.975	89.6	1481.1	2666.6	5.7
450.0	447.4	5.857	5.819	34.048	26.823	28.887	26.818	127.6	10.104	89.6	1480.6	2766.2	33.5
460.0	457.3	5.782	5.744	34.062	26.843	28.954	26.839	125.7	10.230	89.6	1480.5	2867.1	30.0
470.0	467.3	5.655	5.616	34.077	26.871	29.029	26.867	123.1	10.355	89.7	1480.1	2969.2	36.7
480.0	477.2	5.531	5.491	34.073	26.883	29.088	26.878	121.9	10.477	89.6	1479.8	3072.5	8.9
490.0	487.1	5.414	5.374	34.071	26.895	29.147	26.890	120.8	10.599	89.6	1479.5	3177.0	10.6
500.0	497.0	5.343	5.302	34.081	26.911	29.210	26.906	119.3	10.719	89.6	1479.4	3282.8	17.4
510.0	506.9	5.316	5.274	34.088	26.921	29.265	26.916	118.5	10.838	89.6	1479.4	3389.7	2.7
520.0	516.8	5.422	5.379	34.115	26.930	29.319	26.925	117.9	10.957	89.6	1480.0	3497.8	15.1
530.0	526.8	5.337	5.294	34.129	26.951	29.386	26.945	116.0	11.073	89.6	1479.9	3607.0	23.8
540.0	536.7	5.023	4.980	34.127	26.986	29.471	26.981	112.4	11.187	89.6	1478.8	3717.4	20.0
550.0	546.6	4.910	4.867	34.127	26.998	29.531	26.993	111.2	11.299	89.7	1478.5	3828.8	2.7
560.0	556.5	4.841	4.797	34.126	27.006	29.585	27.001	110.5	11.410	89.6	1478.3	3941.4	-2.0
570.0	566.4	4.811	4.766	34.129	27.012	29.637	27.007	110.0	11.520	89.6	1478.4	4055.1	3.8
580.0	576.3	4.743	4.698	34.139	27.027	29.699	27.022	108.6	11.629	89.6	1478.3	4169.8	2.9
590.0	586.3	4.704	4.659	34.149	27.039	29.758	27.034	107.5	11.737	89.6	1478.3	4285.7	15.8
600.0	596.2	4.681	4.634	34.162	27.052	29.817	27.047	106.3	11.844	89.6	1478.4	4402.5	2.4
610.0	606.1	4.662	4.615	34.176	27.066	29.876	27.060	105.1	11.950	89.6	1478.5	4520.5	27.0
620.0	616.0	4.668	4.619	34.195	27.080	29.936	27.075	103.9	12.054	89.6	1478.7	4639.4	4.1
630.0	625.9	4.655	4.607	34.206	27.090	29.993	27.085	103.0	12.158	89.7	1478.8	4759.4	13.8
640.0	635.8	4.688	4.638	34.220	27.098	30.045	27.092	102.5	12.261	89.6	1479.1	4880.4	23.5
650.0	645.7	4.733	4.682	34.247	27.114	30.106	27.108	101.1	12.362	89.6	1479.5	5002.4	.4
660.0	655.6	4.631	4.580	34.252	27.130	30.169	27.124	99.6	12.463	89.6	1479.3	5125.4	12.1
670.0	665.5	4.557	4.505	34.253	27.139	30.225	27.133	98.8	12.562	89.6	1479.1	5249.4	1.8
680.0	675.4	4.590	4.537	34.266	27.145	30.277	27.140	98.3	12.661	89.6	1479.5	5374.4	7.7
690.0	685.3	4.472	4.419	34.270	27.162	30.341	27.156	96.7	12.759	89.6	1479.1	5500.3	13.8
700.0	695.3	4.466	4.413	34.275	27.166	30.391	27.160	96.4	12.855	89.6	1479.3	5627.2	3.6
710.0	705.2	4.440	4.386	34.291	27.181	30.453	27.175	95.0	12.951	89.6	1479.4	5755.0	19.1
720.0	715.1	4.393	4.338	34.298	27.192	30.510	27.186	94.0	13.045	89.6	1479.3	5883.7	.7
730.0	725.0	4.376	4.320	34.301	27.197	30.560	27.191	93.7	13.139	89.5	1479.4	6013.4	6.2
740.0	734.9	4.372	4.316	34.313	27.206	30.616	27.200	92.8	13.233	89.6	1479.6	6144.0	5.4
750.0	744.8	4.347	4.290	34.314	27.210	30.666	27.204	92.5	13.325	89.6	1479.7	6275.5	7.1
760.0	754.7	4.354	4.295	34.328	27.221	30.722	27.214	91.7	13.417	89.6	1479.9	6408.0	.7
770.0	764.6	4.314	4.255	34.333	27.229	30.777	27.223	90.9	13.508	89.6	1479.9	6541.3	3.6
780.0	774.5	4.285	4.226	34.338	27.236	30.830	27.230	90.3	13.599	89.6	1479.9	6675.5	9.8
790.0	784.4	4.298	4.237	34.351	27.245	30.885	27.239	89.5	13.689	89.6	1480.2	6810.6	20.9
800.0	794.3	4.254	4.193	34.363	27.259	30.945	27.253	88.3	13.778	89.6	1480.2	6946.6	24.7
810.0	804.2	4.222	4.161	34.371	27.269	31.001	27.263	87.4	13.866	89.5	1480.2	7083.4	10.4
820.0	814.1	4.204	4.141	34.384	27.281	31.059	27.274	86.3	13.953	89.6	1480.3	7221.1	12.7
830.0	824.0	4.199	4.136	34.388	27.285	31.108	27.278	86.1	14.039	89.6	1480.5	7359.7	6.3
840.0	833.9	4.171	4.108	34.398	27.296	31.166	27.289	85.1	14.124	89.6	1480.5	7499.1	1.6
850.0	843.8	4.156	4.092	34.410	27.308	31.224	27.301	84.0	14.209	89.6	1480.6	7639.3	4.3
860.0	853.7	4.135	4.070	34.418	27.316	31.278	27.309	83.3	14.292	89.6	1480.7	7780.4	8.9
870.0	863.6	4.096	4.030	34.424	27.325	31.333	27.318	82.5	14.375	89.6	1480.7	7922.3	13.0
880.0	873.5	4.097	4.031	34.435	27.333	31.388	27.326	81.8	14.458	89.6	1480.9	8064.9	7.5
890.0	883.4	4.052	3.985	34.441	27.343	31.443	27.336	80.9	14.539	89.6	1480.9	8208.4	6.9
900.0	893.3	4.008	3.940	34.443	27.349	31.497	27.342	80.3	14.620	89.5	1480.9	8352.7	4.6
910.0	903.2	3.986	3.918	34.447	27.355	31.549	27.348	79.8	14.700	89.6	1481.0	8497.8	6.0
920.0	913.1	3.981	3.912	34.452	27.359	31.598	27.352	79.5	14.779	89.6	1481.1	8643.6	5.2
930.0	923.0	3.954	3.885	34.456	27.365	31.650	27.358	79.0	14.859	89.4	1481.2	8790.2	5.8
940.0	932.9	3.944	3.874	34.457	27.367	31.698	27.360	78.9	14.938	89.5	1481.3	8937.6	6.1
950.0	942.8	3.920	3.849	34.457	27.370	31.747	27.363	78.6	15.016	89.5	1481.4	9085.8	.2
960.0	952.6	3.891	3.820	34.457	27.373	31.797	27.366	78.4	15.095	89.6	1481.4	9234.7	5.5
970.0	962.5	3.868	3.796	34.460	27.377	31.848	27.370	78.0	15.173	89.4	1481.5	9384.5	.8
980.0	972.4	3.838	3.766	34.463	27.383	31.899	27.376	77.5	15.251	89.4	1481.5	9534.9	4.9
990.0	982.3	3.809	3.735	34.468	27.390	31.953	27.383	76.8	15.328	89.6	1481.6	9686.2	5.5

Station	8	Latitude	32° 07.91'N		Longitude	126° 59.64'W		22 Aug 1989 GMT 11:24			Bottom	3020 m
Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.809	3.735	34.478	27.398	32.006	27.390	76.2	15.404	89.4	1481.7	9838.1	8.7
1020.0	1012.0	3.750	3.674	34.487	27.411	32.112	27.403	75.0	15.556	89.4	1481.8	10144.3	5.5
1040.0	1031.8	3.722	3.645	34.491	27.417	32.210	27.409	74.6	15.705	89.4	1482.0	10453.5	.2
1060.0	1051.5	3.682	3.604	34.496	27.425	32.310	27.417	73.9	15.854	89.4	1482.2	10765.5	1.1
1080.0	1071.3	3.646	3.566	34.499	27.432	32.408	27.424	73.3	16.000	89.4	1482.4	11080.5	2.3
1100.0	1091.1	3.596	3.516	34.504	27.440	32.510	27.433	72.6	16.146	89.4	1482.5	11398.3	6.4
1120.0	1110.9	3.526	3.444	34.510	27.452	32.615	27.445	71.4	16.290	89.4	1482.6	11718.9	10.5
1140.0	1130.6	3.457	3.375	34.514	27.462	32.717	27.454	70.5	16.432	89.4	1482.6	12042.3	2.9
1160.0	1150.4	3.408	3.324	34.520	27.472	32.819	27.463	69.6	16.572	89.4	1482.7	12368.5	4.4
1180.0	1170.2	3.364	3.279	34.523	27.479	32.919	27.471	69.0	16.710	89.4	1482.9	12697.4	5.6
1200.0	1189.9	3.317	3.231	34.526	27.486	33.018	27.477	68.4	16.847	89.4	1483.0	13029.0	3.8
1220.0	1209.7	3.282	3.194	34.530	27.492	33.117	27.483	67.8	16.984	89.4	1483.2	13363.2	2.1
1240.0	1229.4	3.251	3.162	34.533	27.498	33.214	27.489	67.3	17.119	89.4	1483.4	13700.1	8.2
1260.0	1249.2	3.190	3.099	34.537	27.507	33.316	27.498	66.5	17.253	89.4	1483.5	14039.7	3.5
1280.0	1268.9	3.141	3.050	34.540	27.514	33.416	27.505	65.8	17.386	89.4	1483.6	14381.8	.9
1300.0	1288.7	3.109	3.017	34.542	27.518	33.512	27.510	65.4	17.517	89.5	1483.8	14726.5	3.3
1320.0	1308.4	3.091	2.997	34.544	27.522	33.607	27.513	65.2	17.648	89.4	1484.1	15073.7	3.3
1340.0	1328.2	3.059	2.963	34.547	27.527	33.705	27.518	64.8	17.777	89.4	1484.3	15423.5	-.2
1360.0	1347.9	3.026	2.929	34.550	27.532	33.802	27.524	64.3	17.906	89.4	1484.5	15775.8	2.1
1380.0	1367.7	2.995	2.897	34.552	27.537	33.899	27.528	63.9	18.034	89.4	1484.7	16130.6	.4
1400.0	1387.4	2.985	2.886	34.553	27.539	33.992	27.530	63.8	18.162	89.4	1485.0	16487.9	3.9
1420.0	1407.2	2.940	2.839	34.556	27.545	34.090	27.536	63.2	18.289	89.4	1485.1	16847.7	.4
1440.0	1426.9	2.916	2.814	34.558	27.549	34.186	27.540	62.9	18.415	89.4	1485.3	17209.9	3.4
1460.0	1446.6	2.885	2.781	34.560	27.553	34.283	27.544	62.5	18.540	89.4	1485.5	17574.6	4.0
1480.0	1466.4	2.822	2.718	34.565	27.563	34.385	27.554	61.5	18.664	89.4	1485.6	17941.7	4.5
1500.0	1486.1	2.787	2.681	34.567	27.568	34.482	27.559	61.0	18.787	89.4	1485.8	18311.2	1.9
1520.0	1505.8	2.744	2.637	34.571	27.575	34.581	27.565	60.4	18.908	89.5	1485.9	18683.1	2.2
1540.0	1525.6	2.721	2.613	34.573	27.579	34.677	27.569	60.1	19.029	89.4	1486.2	19057.3	.8
1560.0	1545.3	2.711	2.601	34.574	27.580	34.769	27.571	60.0	19.149	89.4	1486.5	19433.9	-1.3
1580.0	1565.0	2.687	2.576	34.576	27.584	34.865	27.574	59.7	19.269	89.4	1486.7	19812.8	-.1
1600.0	1584.7	2.650	2.537	34.579	27.590	34.963	27.580	59.1	19.388	89.4	1486.9	20194.0	-1.5
1620.0	1604.5	2.611	2.497	34.581	27.595	35.060	27.585	58.6	19.505	89.4	1487.0	20577.5	1.7
1640.0	1624.2	2.573	2.458	34.585	27.602	35.159	27.592	58.0	19.622	89.4	1487.2	20963.3	16.1
1660.0	1643.9	2.505	2.390	34.590	27.612	35.263	27.602	56.9	19.736	89.4	1487.3	21351.3	1.7
1680.0	1663.6	2.469	2.353	34.593	27.617	35.360	27.607	56.4	19.850	89.5	1487.4	21741.6	6.1
1700.0	1683.3	2.444	2.326	34.594	27.620	35.455	27.611	56.0	19.962	89.4	1487.7	22134.0	-.9
1720.0	1703.0	2.416	2.297	34.597	27.625	35.551	27.615	55.7	20.074	89.4	1487.9	22528.5	-.3
1740.0	1722.8	2.397	2.277	34.599	27.628	35.645	27.618	55.4	20.185	89.4	1488.1	22925.3	2.9
1760.0	1742.5	2.341	2.219	34.604	27.636	35.747	27.626	54.5	20.295	89.4	1488.2	23324.2	11.4
1780.0	1762.2	2.331	2.208	34.604	27.638	35.839	27.627	54.4	20.403	89.4	1488.5	23725.1	.3
1800.0	1781.9	2.325	2.201	34.605	27.639	35.931	27.628	54.4	20.512	89.4	1488.8	24128.2	3.0
1820.0	1801.6	2.306	2.180	34.607	27.642	36.025	27.632	54.1	20.620	89.4	1489.1	24533.4	-1.7
1840.0	1821.3	2.294	2.167	34.608	27.644	36.118	27.633	54.0	20.729	89.4	1489.4	24940.7	2.4
1860.0	1841.0	2.262	2.133	34.611	27.649	36.215	27.639	53.4	20.836	89.4	1489.6	25350.1	4.2
1880.0	1860.7	2.241	2.110	34.613	27.653	36.310	27.642	53.2	20.942	89.4	1489.8	25761.5	-.2
1900.0	1880.4	2.231	2.100	34.613	27.654	36.402	27.643	53.1	21.049	89.4	1490.1	26175.0	3.6
1920.0	1900.1	2.196	2.063	34.617	27.660	36.500	27.649	52.5	21.154	89.4	1490.3	26590.5	1.9
1940.0	1919.7	2.157	2.023	34.621	27.666	36.598	27.655	51.8	21.258	89.4	1490.5	27008.1	4.2
1960.0	1939.4	2.143	2.007	34.622	27.669	36.692	27.658	51.6	21.362	89.4	1490.7	27427.6	.7
1980.0	1959.1	2.133	1.996	34.624	27.671	36.784	27.660	51.4	21.465	89.4	1491.0	27849.2	2.8
2000.0	1978.8	2.101	1.963	34.626	27.675	36.881	27.664	51.0	21.567	89.4	1491.2	28272.7	.2
2050.0	2028.0	2.062	1.920	34.631	27.682	37.115	27.671	50.4	21.820	89.4	1491.9	29340.1	-.9
2100.0	2077.2	2.015	1.869	34.635	27.690	37.349	27.678	49.7	22.070	89.4	1492.6	30419.7	1.4
2150.0	2126.4	1.969	1.820	34.639	27.696	37.583	27.685	49.1	22.317	89.4	1493.2	31511.2	.9
2200.0	2175.5	1.944	1.791	34.642	27.701	37.814	27.690	48.7	22.562	89.4	1493.9	32614.5	3.6
2250.0	2224.7	1.896	1.740	34.645	27.708	38.048	27.695	48.1	22.803	89.4	1494.6	33729.5	-.5
2300.0	2273.9	1.878	1.718	34.647	27.711	38.276	27.698	47.9	23.043	89.4	1495.3	34856.1	-.2
2350.0	2323.0	1.830	1.666	34.650	27.717	38.510	27.705	47.2	23.281	89.4	1496.0	35994.2	1.6
2400.0	2372.1	1.821	1.653	34.651	27.719	38.736	27.706	47.2	23.517	89.4	1496.8	37143.6	.8
2450.0	2421.2	1.799	1.627	34.653	27.722	38.964	27.709	47.0	23.753	89.4	1497.5	38304.3	.6
2500.0	2470.3	1.788	1.612	34.654	27.725	39.190	27.711	46.9	23.987	89.4	1498.3	39476.3	-.9
2550.0	2519.4	1.759	1.579	34.657	27.729	39.420	27.716	46.5	24.221	89.4	1499.0	40659.6	.3
2600.0	2568.5	1.733	1.548	34.659	27.733	39.648	27.719	46.2	24.453	89.4	1499.8	41854.0	.4
2650.0	2617.6	1.714	1.525	34.660	27.736	39.875	27.722	46.0	24.683	89.4	1500.5	43059.5	2.2
2700.0	2666.6	1.673	1.481	34.664	27.742	40.106	27.728	45.4	24.912	89.4	1501.2	44275.9	.5
2750.0	2715.6	1.664	1.467	34.665	27.744	40.331	27.729	45.4	25.139	89.4	1502.0	45503.3	2.3
2800.0	2764.7	1.655	1.454	34.666	27.745	40.554	27.730	45.4	25.366	89.4	1502.8	46741.5	2.0
2850.0	2813.7	1.631	1.425	34.668	27.749	40.782	27.734	45.0	25.591	89.4	1503.6	47990.5	2.4
2900.0	2862.7	1.610	1.400	34.670	27.752	41.009	27.737	44.7	25.815	89.4	1504.3	49250.2	2.1
2950.0	2911.7	1.599	1.385	34.672	27.755	41.234	27.740	44.6	26.038	89.3	1505.1	50520.6	-.5
3000.0	2960.7	1.579	1.360	34.674	27.758	41.459	27.742	44.4	26.261	89.4	1505.9	51801.6	3.4
3042.0	3001.8	1.567	1.344	34.674	27.760	41.648	27.744	44.2	26.446	89.4	1506.6	52885.8	.0

Station 9 Latitude 32° 13.89'N Longitude 127° 09.83'W 22 Aug 1989 GMT 14:41 Bottom 3000 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.002	19.002	33.465	23.849	23.849	23.849	404.4	.000	89.3	1517.5	.0	.0
10.0	10.0	19.000	18.998	33.465	23.850	23.893	23.850	404.7	.405	89.4	1517.7	2.0	3.6
20.0	19.9	19.000	18.997	33.465	23.851	23.937	23.850	405.0	.809	89.4	1517.9	8.1	1.1
30.0	29.9	18.901	18.896	33.454	23.867	23.997	23.866	403.8	1.214	89.3	1517.7	18.2	14.3
40.0	39.9	18.899	18.892	33.454	23.868	24.042	23.867	404.0	1.618	89.3	1517.9	32.3	1.1
50.0	49.8	18.650	18.641	33.419	23.905	24.122	23.903	400.9	2.021	89.3	1517.3	50.4	78.4
60.0	59.8	18.308	18.298	33.431	23.999	24.260	23.996	392.3	2.418	89.2	1516.5	72.5	143.6
70.0	69.8	17.422	17.411	33.396	24.187	24.493	24.185	374.5	2.802	89.2	1514.0	98.6	584.4
80.0	79.8	15.270	15.258	33.290	24.598	24.951	24.596	335.4	3.148	89.2	1507.5	128.2	84.0
90.0	89.7	15.055	15.041	33.378	24.714	25.111	24.711	324.7	3.477	89.4	1507.0	161.2	127.6
100.0	99.7	14.424	14.410	33.443	24.899	25.341	24.896	307.3	3.794	89.4	1505.3	197.4	219.1
110.0	109.6	13.545	13.530	33.350	25.010	25.498	25.007	296.9	4.099	89.4	1502.4	236.7	225.1
120.0	119.6	12.726	12.710	33.235	25.083	25.618	25.080	290.0	4.393	89.6	1499.7	279.0	105.5
130.0	129.5	12.877	12.859	33.355	25.147	25.726	25.144	284.2	4.680	89.8	1500.5	324.2	32.3
140.0	139.5	12.476	12.458	33.371	25.237	25.862	25.234	275.8	4.959	89.8	1499.3	372.1	69.5
150.0	149.4	11.812	11.793	33.358	25.353	26.024	25.349	264.9	5.231	89.9	1497.2	422.9	159.8
160.0	159.4	11.465	11.445	33.435	25.477	26.194	25.474	253.2	5.488	89.9	1496.2	476.2	74.3
170.0	169.3	11.002	10.981	33.433	25.559	26.322	25.556	245.5	5.738	90.0	1494.8	532.0	115.8
180.0	179.3	10.553	10.532	33.496	25.688	26.497	25.684	233.4	5.977	90.0	1493.4	590.3	123.6
190.0	189.2	10.347	10.325	33.545	25.761	26.616	25.757	226.6	6.206	90.0	1492.9	650.9	45.7
200.0	199.2	10.136	10.113	33.615	25.852	26.753	25.848	218.1	6.427	90.0	1492.4	713.7	102.7
210.0	209.1	9.626	9.603	33.687	25.993	26.941	25.989	204.7	6.638	90.0	1490.7	778.6	53.5
220.0	219.1	9.568	9.543	33.695	26.010	27.003	26.006	203.3	6.842	90.0	1490.7	845.6	8.9
230.0	229.0	9.227	9.202	33.757	26.113	27.153	26.109	193.6	7.041	90.0	1489.7	914.6	5.4
240.0	238.9	9.036	9.011	33.797	26.175	27.261	26.171	187.8	7.232	89.9	1489.2	985.6	156.4
250.0	248.9	8.751	8.725	33.861	26.270	27.403	26.266	178.9	7.415	89.9	1488.4	1058.4	12.9
260.0	258.8	8.613	8.586	33.894	26.317	27.496	26.313	174.5	7.592	89.9	1488.0	1132.9	79.9
270.0	268.7	8.419	8.391	33.937	26.381	27.605	26.377	168.6	7.764	89.9	1487.5	1209.2	60.9
280.0	278.7	8.332	8.304	33.951	26.405	27.675	26.401	166.4	7.931	89.9	1487.4	1287.2	34.2
290.0	288.6	8.215	8.186	33.971	26.438	27.754	26.434	163.4	8.096	89.9	1487.1	1366.8	62.0
300.0	298.5	8.018	7.988	33.991	26.483	27.846	26.479	159.2	8.257	89.8	1486.6	1448.0	24.8
310.0	308.5	7.905	7.874	33.998	26.506	27.915	26.502	157.1	8.415	89.9	1486.3	1530.8	27.7
320.0	318.4	7.716	7.684	34.005	26.539	27.994	26.534	154.1	8.571	89.9	1485.7	1615.1	14.8
330.0	328.3	7.514	7.482	34.012	26.573	28.076	26.569	150.8	8.723	89.8	1485.1	1701.0	39.4
340.0	338.3	7.335	7.302	34.014	26.600	28.149	26.595	148.4	8.873	89.8	1484.6	1788.3	20.9
350.0	348.2	7.074	7.041	34.014	26.637	28.233	26.632	144.8	9.019	89.9	1483.7	1877.2	26.1
360.0	358.1	6.937	6.903	34.014	26.655	28.299	26.651	143.1	9.164	89.8	1483.4	1967.4	29.3
370.0	368.0	6.833	6.799	34.015	26.671	28.361	26.666	141.7	9.306	89.8	1483.1	2059.1	23.1
380.0	378.0	6.774	6.740	34.019	26.681	28.417	26.677	140.8	9.448	89.8	1483.1	2152.2	22.0
390.0	387.9	6.676	6.640	34.023	26.698	28.480	26.693	139.3	9.588	89.8	1482.8	2246.7	25.2
400.0	397.8	6.610	6.574	34.029	26.711	28.540	26.706	138.2	9.726	89.8	1482.8	2342.5	6.7
410.0	407.7	6.437	6.400	34.031	26.736	28.612	26.732	135.8	9.863	89.8	1482.2	2439.7	20.2
420.0	417.7	6.409	6.372	34.054	26.758	28.679	26.753	133.9	9.999	89.8	1482.3	2538.3	19.0
430.0	427.6	6.044	6.007	34.025	26.782	28.752	26.777	131.4	10.132	89.8	1481.0	2638.2	18.3
440.0	437.5	5.974	5.936	34.030	26.794	28.811	26.789	130.3	10.262	89.8	1480.9	2739.3	-1.0
450.0	447.4	5.845	5.806	34.037	26.816	28.880	26.811	128.2	10.391	89.8	1480.5	2841.8	22.7
460.0	457.4	5.767	5.728	34.044	26.831	28.942	26.826	126.8	10.519	89.8	1480.4	2945.5	13.6
470.0	467.3	5.687	5.648	34.048	26.844	29.001	26.840	125.6	10.645	89.8	1480.2	3050.5	9.2
480.0	477.2	5.627	5.587	34.052	26.855	29.058	26.850	124.7	10.770	89.8	1480.1	3156.7	6.0
490.0	487.1	5.554	5.514	34.060	26.870	29.120	26.865	123.3	10.893	89.8	1480.0	3264.2	5.4
500.0	497.0	5.490	5.448	34.066	26.882	29.179	26.877	122.2	11.016	89.8	1479.9	3372.8	6.3
510.0	507.0	5.447	5.405	34.073	26.893	29.236	26.889	121.2	11.138	89.8	1479.9	3482.7	10.4
520.0	516.9	5.370	5.327	34.087	26.914	29.303	26.909	119.4	11.258	89.8	1479.8	3593.8	4.2
530.0	526.8	5.289	5.246	34.094	26.928	29.365	26.924	118.0	11.377	89.8	1479.6	3706.0	16.2
540.0	536.7	5.231	5.187	34.109	26.947	29.430	26.942	116.3	11.495	89.8	1479.6	3819.4	29.7
550.0	546.6	5.112	5.068	34.112	26.963	29.493	26.958	114.7	11.610	89.8	1479.3	3934.0	20.9
560.0	556.5	5.133	5.088	34.142	26.985	29.560	26.979	112.9	11.724	89.8	1479.6	4049.7	14.1
570.0	566.5	5.086	5.041	34.148	26.995	29.617	26.990	111.9	11.836	89.7	1479.5	4166.4	6.2
580.0	576.4	4.956	4.909	34.141	27.005	29.674	27.000	111.0	11.948	89.8	1479.2	4284.3	-3.2
590.0	586.3	4.944	4.897	34.160	27.021	29.736	27.016	109.5	12.058	89.8	1479.3	4403.3	17.4
600.0	596.2	4.805	4.758	34.163	27.039	29.802	27.034	107.7	12.166	89.8	1478.9	4523.4	14.4
610.0	606.1	4.757	4.710	34.178	27.056	29.865	27.051	106.2	12.273	89.8	1478.9	4644.5	17.9
620.0	616.0	4.684	4.636	34.199	27.081	29.937	27.076	103.8	12.378	89.8	1478.8	4766.7	17.9
630.0	625.9	4.660	4.611	34.209	27.092	29.995	27.087	102.8	12.481	89.8	1478.8	4889.9	13.2
640.0	635.8	4.549	4.500	34.215	27.109	30.059	27.104	101.2	12.583	89.8	1478.6	5014.1	15.6
650.0	645.7	4.512	4.462	34.224	27.120	30.116	27.115	100.2	12.684	89.8	1478.6	5139.3	16.1
660.0	655.7	4.508	4.457	34.238	27.132	30.174	27.127	99.2	12.784	89.8	1478.7	5265.5	6.5
670.0	665.6	4.491	4.439	34.248	27.141	30.229	27.136	98.4	12.882	89.8	1478.8	5392.6	7.4
680.0	675.5	4.446	4.394	34.251	27.149	30.283	27.144	97.7	12.981	89.8	1478.8	5520.7	1.5
690.0	685.4	4.427	4.374	34.258	27.157	30.337	27.151	97.1	13.078	89.8	1478.9	5649.8	11.8
700.0	695.3	4.425	4.371	34.273	27.169	30.395	27.163	96.0	13.175	89.8	1479.1	5779.9	15.9
710.0	705.2	4.439	4.385	34.292	27.182	30.454	27.177	94.9	13.270	89.8	1479.4	5910.8	13.3
720.0	715.1	4.426	4.371	34.313	27.200	30.518	27.195	93.3	13.364	89.8	1479.5	6042.8	23.8
730.0	725.0	4.426	4.371	34.335	27.218	30.581	27.212	91.7	13.456	89.8	1479.7	6175.6	8.0
740.0	734.9	4.445	4.388	34.349	27.227	30.636	27.221	91.0	13.548	89.8	1479.9	6309.3	3.3
750.0	744.8	4.448	4.390	34.365	27.240	30.694	27.234	89.9	13.638	89.7	1480.1	6443.9	11.3
760.0	754.7	4.432	4.373	34.370	27.246	30.745	27.240	89.5	13.728	89.8	1480.2	6579.5	3.6
770.0	764.6	4.404	4.344	34.376	27.253	30.799	27.247	88.8	13.817	89.8	1480.3	6715.8	15.1
780.0	774.5	4.368	4.308	34.384	27.264	30.857	27.258	87.8	13.906	89.8	1480.3	6853.1	4.2
790.0	784.4	4.338	4.278	34.391	27.272	30.911	27.266	87.1	13.993	89.8	1480.4	6991.2	10.4
800.0	794.3	4.316	4.255	34.400	27.282	30.967	27.276	86.2	14.080	89.7	1480.5	7130.2	12.4
810.0	804.2	4.276	4.215	34.407	27.292	31.023	27.286	85.3	14.166	89.8	1480.5	7270.0	7.8
820.0	814.1	4.265	4.202	34.412	27.298	31.074	27.291	84.9	14.251	89.8	1480.6	7410.7	1.3
830.0	824.0	4.246	4.183	34.417	27.303	31.126	27.296	84.5	14.335	89.8	1480.7	7552.2	4.3
840.0	833.9	4.208	4.144	34.422	27.312	31.181	27.305	83.7	14.420	89.7	1480.7	7694.5	11.0
850.0	843.8	4.177	4.113	34.426	27.318	31.233	27.311	83.1	14.503	89.7	1480.7	7837.7	8.9
860.0	853.7	4.109	4.044	34.428	27.327	31.289	27.320	82.2	14.586	89.8	1480.6	7981.6	3.1
870.0	863.6	4.103	4.037	34.432	27.330	31.339	27.324	82.0	14.668	89.7	1480.8	8126.4	.7
880.0	873.5	4.095	4.029	34.437	27.335	31.389	27.328	81.6	14.750	89.8	1480.9	8272.0	4.0
890.0	883.4	4.077	4.010	34.439	27.339	31.438	27.331	81.4	14.832	89.8	1481.0	8418.3	5.2
900.0	893.3	4.041	3.973	34.438	27.342	31.488	27.335	81.1	14.913	89.7	1481.0	8565.5	1.9
910.0	903.2	4.013	3.945	34.444	27.350	31.542	27.343	80.4	14.993	89.8	1481.1	8713.5	6.3
920.0	913.1	3.990	3.921	34.448	27.355	31.594	27.348	79.9	15.073	89.7	1481.1	8862.2	4.6
930.0	923.0	3.982	3.912	34.451	27.359	31.643	27.352	79.6	15.153	89.7	1481.3	9011.8	3.4
940.0	932.9	3.958	3.887	34.453	27.362	31.694	27.355	79.3	15.233	89.7	1481.3	9162.1	9.9
950.0	942.8	3.921	3.849	34.457	27.370	31.747	27.363	78.6	15.312	89.7	1481.4	9313.2	6.3
960.0	952.7	3.879	3.807	34.460	27.376	31.800	27.369	78.0	15.390	89.7	1481.3	9465.0	7.2
970.0	962.6	3.841	3.769	34.463	27.383	31.853	27.375	77.4	15.468	89.7	1481.4	9617.7	11.6
980.0	972.5	3.808	3.736	34.469	27.391	31.908	27.383	76.7	15.545	89.7	1481.4	9771.1	8.7
990.0	982.3	3.795	3.722	34.472	27.394	31.957	27.387	76.4	15.621	89.8	1481.5	9925.2	6.7

Station	9	Latitude	32° 13.89'N		Longitude	127° 09.83'W		22 Aug 1989 GMT 14:41			Bottom	3000 m
Pres.	Depth	Temp.	Pot.T.	Sal	Sigma-θ	Sigma-z	Sigma-t	Delta	Dyn.Ht	LTR	SV	TF	N^2
db	m	°C	°C	0/00	kg/m^3	kg/m^3	kg/m^3	10^8m^3/kg	J/kg	0/0	m/s	m^3/s^2	10^6/s^2
1000.0	992.2	3.777	3.703	34.475	27.399	32.008	27.391	76.1	15.698	89.7	1481.6	10080.1	8.1
1020.0	1012.0	3.720	3.645	34.482	27.410	32.111	27.402	75.0	15.848	89.7	1481.7	10392.1	2.6
1040.0	1031.8	3.663	3.587	34.486	27.419	32.214	27.412	74.2	15.998	89.8	1481.8	10707.0	4.3
1060.0	1051.6	3.607	3.529	34.493	27.431	32.318	27.423	73.2	16.145	89.7	1481.9	11024.8	5.8
1080.0	1071.3	3.579	3.500	34.498	27.437	32.416	27.429	72.7	16.291	89.7	1482.1	11345.5	4.6
1100.0	1091.1	3.533	3.453	34.504	27.447	32.518	27.439	71.8	16.435	89.7	1482.3	11669.0	6.1
1120.0	1110.9	3.492	3.411	34.509	27.455	32.618	27.447	71.1	16.578	89.7	1482.4	11995.3	8.2
1140.0	1130.7	3.422	3.339	34.513	27.465	32.721	27.457	70.1	16.719	89.7	1482.5	12324.5	6.7
1160.0	1150.4	3.376	3.292	34.519	27.474	32.823	27.466	69.3	16.859	89.7	1482.6	12656.3	.0
1180.0	1170.2	3.334	3.249	34.521	27.479	32.921	27.471	68.8	16.997	89.7	1482.8	12990.9	2.0
1200.0	1189.9	3.298	3.212	34.525	27.486	33.019	27.478	68.3	17.134	89.6	1482.9	13328.1	12.6
1220.0	1209.7	3.244	3.157	34.530	27.496	33.121	27.487	67.4	17.269	89.7	1483.0	13668.0	7.0
1240.0	1229.5	3.204	3.115	34.535	27.503	33.221	27.495	66.7	17.403	89.7	1483.2	14010.5	7.6
1260.0	1249.2	3.157	3.067	34.539	27.511	33.322	27.502	66.0	17.536	89.7	1483.3	14355.6	1.5
1280.0	1269.0	3.138	3.047	34.541	27.514	33.417	27.506	65.7	17.668	89.7	1483.6	14703.3	.9
1300.0	1288.7	3.087	2.994	34.545	27.523	33.518	27.514	65.0	17.799	89.7	1483.7	15053.6	6.5
1320.0	1308.5	3.057	2.964	34.546	27.526	33.613	27.517	64.7	17.928	89.6	1483.9	15406.4	1.8
1340.0	1328.2	3.044	2.949	34.549	27.530	33.708	27.521	64.5	18.058	89.7	1484.2	15761.7	2.7
1360.0	1348.0	3.023	2.927	34.550	27.533	33.803	27.524	64.2	18.186	89.6	1484.4	16119.6	1.0
1380.0	1367.7	2.986	2.888	34.554	27.539	33.902	27.530	63.6	18.314	89.7	1484.6	16479.9	7.1
1400.0	1387.4	2.942	2.843	34.554	27.544	33.998	27.535	63.2	18.441	89.7	1484.8	16842.7	1.0
1420.0	1407.2	2.908	2.807	34.561	27.552	34.098	27.543	62.5	18.566	89.6	1485.0	17208.0	3.0
1440.0	1426.9	2.868	2.766	34.564	27.558	34.197	27.549	61.9	18.691	89.7	1485.1	17575.7	5.4
1460.0	1446.7	2.823	2.720	34.565	27.563	34.295	27.554	61.4	18.814	89.7	1485.3	17945.8	3.9
1480.0	1466.4	2.778	2.674	34.568	27.570	34.393	27.560	60.7	18.937	89.6	1485.4	18318.3	4.5
1500.0	1486.1	2.744	2.639	34.571	27.575	34.491	27.566	60.3	19.058	89.7	1485.6	18693.1	5.7
1520.0	1505.9	2.719	2.612	34.573	27.579	34.586	27.570	59.9	19.178	89.7	1485.8	19070.3	3.7
1540.0	1525.6	2.680	2.572	34.576	27.585	34.685	27.575	59.3	19.297	89.7	1486.0	19449.8	-1.0
1560.0	1545.3	2.652	2.543	34.578	27.589	34.781	27.580	59.0	19.415	89.7	1486.2	19831.7	1.1
1580.0	1565.0	2.612	2.502	34.582	27.596	34.880	27.586	58.3	19.533	89.7	1486.4	20215.8	3.1
1600.0	1584.8	2.585	2.473	34.584	27.600	34.975	27.590	58.0	19.649	89.7	1486.6	20602.2	5.8
1620.0	1604.5	2.552	2.439	34.587	27.605	35.072	27.595	57.5	19.764	89.7	1486.8	20990.8	7.5
1640.0	1624.2	2.517	2.404	34.590	27.611	35.170	27.601	56.9	19.879	89.6	1487.0	21381.6	5.8
1660.0	1643.9	2.492	2.377	34.592	27.614	35.266	27.605	56.6	19.992	89.6	1487.2	21774.7	-1.5
1680.0	1663.6	2.462	2.345	34.594	27.619	35.362	27.609	56.2	20.105	89.7	1487.4	22170.0	7.3
1700.0	1683.3	2.432	2.314	34.597	27.623	35.458	27.613	55.7	20.217	89.7	1487.6	22567.4	5.0
1720.0	1703.1	2.415	2.296	34.598	27.626	35.552	27.616	55.5	20.329	89.6	1487.9	22967.0	.9
1740.0	1722.8	2.375	2.255	34.602	27.632	35.651	27.622	54.9	20.439	89.6	1488.0	23368.8	1.5
1760.0	1742.5	2.337	2.216	34.605	27.638	35.749	27.628	54.3	20.548	89.6	1488.2	23772.6	2.7
1780.0	1762.2	2.317	2.194	34.606	27.640	35.842	27.630	54.1	20.657	89.6	1488.5	24178.6	1.8
1800.0	1781.9	2.302	2.177	34.608	27.643	35.936	27.633	53.9	20.765	89.6	1488.7	24586.7	.9
1820.0	1801.6	2.282	2.156	34.610	27.647	36.031	27.636	53.5	20.872	89.7	1489.0	24996.8	4.2
1840.0	1821.3	2.242	2.115	34.613	27.653	36.129	27.642	52.9	20.979	89.7	1489.2	25409.1	1.5
1860.0	1841.0	2.214	2.086	34.616	27.657	36.225	27.646	52.5	21.084	89.6	1489.4	25823.3	-.8
1880.0	1860.7	2.196	2.067	34.617	27.660	36.319	27.649	52.3	21.189	89.7	1489.6	26239.6	2.4
1900.0	1880.4	2.183	2.052	34.618	27.661	36.412	27.651	52.2	21.294	89.6	1489.9	26657.9	5.4
1920.0	1900.1	2.165	2.032	34.620	27.665	36.506	27.654	51.9	21.397	89.7	1490.2	27078.3	1.6
1940.0	1919.8	2.142	2.009	34.622	27.668	36.601	27.657	51.6	21.501	89.7	1490.4	27500.6	-.4
1960.0	1939.4	2.124	1.989	34.624	27.671	36.695	27.661	51.2	21.604	89.7	1490.7	27924.9	1.9
1980.0	1959.1	2.104	1.967	34.625	27.674	36.789	27.663	51.0	21.706	89.6	1490.9	28351.2	4.0
2000.0	1978.8	2.088	1.950	34.626	27.676	36.882	27.665	50.9	21.808	89.6	1491.2	28779.5	1.4
2050.0	2028.0	2.036	1.894	34.631	27.684	37.118	27.674	50.0	22.059	89.7	1491.8	29858.7	-.1
2100.0	2077.2	1.997	1.852	34.635	27.691	37.352	27.680	49.5	22.308	89.7	1492.5	30950.0	2.3
2150.0	2126.4	1.967	1.817	34.638	27.696	37.583	27.684	49.1	22.555	89.6	1493.2	32053.2	-1.2
2200.0	2175.6	1.948	1.795	34.639	27.698	37.811	27.687	49.0	22.799	89.7	1493.9	33168.1	.9
2250.0	2224.7	1.915	1.758	34.643	27.705	38.044	27.693	48.4	23.043	89.7	1494.6	34294.9	1.3
2300.0	2273.9	1.893	1.732	34.646	27.709	38.273	27.696	48.2	23.285	89.7	1495.4	35433.3	1.3
2350.0	2323.0	1.867	1.702	34.649	27.713	38.503	27.701	47.8	23.525	89.6	1496.1	36583.3	.5
2400.0	2372.1	1.837	1.669	34.651	27.718	38.733	27.705	47.4	23.763	89.7	1496.8	37744.7	1.7
2450.0	2421.2	1.801	1.629	34.654	27.723	38.964	27.710	47.0	23.999	89.7	1497.5	38917.6	5.2
2500.0	2470.3	1.788	1.612	34.655	27.725	39.191	27.712	46.9	24.233	89.6	1498.3	40101.7	-.9
2550.0	2519.4	1.759	1.578	34.658	27.730	39.420	27.716	46.5	24.467	89.6	1499.0	41297.0	.3
2600.0	2568.5	1.747	1.562	34.658	27.731	39.645	27.718	46.4	24.699	89.6	1499.8	42503.5	-.2
2650.0	2617.6	1.724	1.535	34.660	27.735	39.873	27.721	46.2	24.931	89.6	1500.6	43721.1	.7
2700.0	2666.6	1.713	1.519	34.661	27.737	40.098	27.722	46.1	25.162	89.6	1501.4	44949.7	.5
2750.0	2715.6	1.703	1.505	34.662	27.739	40.323	27.724	46.1	25.392	89.6	1502.2	46189.4	2.3
2800.0	2764.7	1.692	1.490	34.663	27.741	40.548	27.726	46.0	25.622	89.6	1503.0	47440.1	-.6
2850.0	2813.7	1.661	1.455	34.666	27.746	40.776	27.730	45.6	25.851	89.6	1503.7	48701.8	1.2
2900.0	2862.7	1.650	1.439	34.667	27.748	41.001	27.732	45.5	26.079	89.6	1504.5	49974.3	.1
2950.0	2911.7	1.643	1.428	34.668	27.749	41.224	27.733	45.5	26.306	89.6	1505.3	51257.7	-2.8
3000.0	2960.7	1.613	1.394	34.671	27.754	41.452	27.738	45.0	26.532	89.7	1506.0	52551.9	1.3
3050.0	3009.7	1.600	1.376	34.672	27.756	41.676	27.740	44.9	26.756	89.5	1506.8	53856.8	-1.0
3100.0	3058.6	1.588	1.359	34.674	27.758	41.900	27.742	44.8	26.980	89.6	1507.6	55172.5	3.2
3150.0	3107.6	1.566	1.333	34.676	27.762	42.126	27.745	44.4	27.203	89.6	1508.4	56498.7	-1.2
3200.0	3156.5	1.557	1.319	34.677	27.764	42.349	27.747	44.4	27.426	89.6	1509.2	57835.6	2.4
3246.0	3201.6	1.556	1.314	34.677	27.764	42.552	27.747	44.5	27.630	89.6	1510.0	59074.9	.0

Station 11 Latitude 32° 17.88'N Longitude 127° 19.83'W 22 Aug 1989 GMT 18:51 Bottom 3593 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.009	19.009	33.445	23.833	23.833	23.833	406.0	.000	89.7	1517.5	.0	.0
10.0	10.0	18.988	18.986	33.447	23.839	23.882	23.839	405.7	.406	89.7	1517.6	2.0	4.9
20.0	19.9	18.972	18.968	33.447	23.844	23.931	23.843	405.6	.812	89.6	1517.8	8.1	3.7
30.0	29.9	18.922	18.916	33.456	23.864	23.994	23.862	404.1	1.216	89.6	1517.8	18.2	5.3
40.0	39.9	18.899	18.892	33.462	23.874	24.048	23.873	403.5	1.620	89.4	1517.9	32.3	51.2
50.0	49.8	18.440	18.431	33.435	23.969	24.186	23.966	394.8	2.020	89.5	1516.7	50.5	145.4
60.0	59.8	17.719	17.709	33.395	24.115	24.377	24.113	381.1	2.406	89.4	1514.7	72.6	220.2
70.0	69.8	16.207	16.196	33.528	24.572	24.879	24.570	337.7	2.762	89.4	1510.5	98.3	189.6
80.0	79.7	15.007	14.995	33.299	24.663	25.016	24.660	329.2	3.095	89.6	1506.6	127.5	51.1
90.0	89.7	14.906	14.892	33.427	24.784	25.181	24.781	318.1	3.420	89.6	1506.6	160.0	38.5
100.0	99.7	14.689	14.674	33.475	24.868	25.309	24.865	310.3	3.735	89.7	1506.1	195.6	119.0
110.0	109.6	14.397	14.381	33.479	24.933	25.419	24.930	304.3	4.042	89.6	1505.4	234.3	23.5
120.0	119.6	14.153	14.135	33.465	24.974	25.505	24.970	300.7	4.345	89.5	1504.7	276.1	144.4
130.0	129.5	13.840	13.822	33.514	25.076	25.652	25.072	291.2	4.640	89.9	1503.9	320.8	168.1
140.0	139.5	12.993	12.974	33.472	25.215	25.838	25.211	278.0	4.923	90.0	1501.2	368.4	62.8
150.0	149.4	12.348	12.328	33.417	25.298	25.967	25.294	270.2	5.197	90.2	1499.1	418.8	55.1
160.0	159.4	11.950	11.929	33.442	25.393	26.108	25.389	261.3	5.463	90.3	1497.9	471.8	133.2
170.0	169.3	11.525	11.504	33.463	25.488	26.249	25.484	252.5	5.719	90.3	1496.6	527.4	105.3
180.0	179.3	10.706	10.684	33.503	25.666	26.475	25.663	235.5	5.962	90.4	1493.9	585.5	11.8
190.0	189.2	10.327	10.305	33.588	25.798	26.653	25.794	223.0	6.192	90.3	1492.9	646.0	128.0
200.0	199.2	9.941	9.918	33.634	25.899	26.801	25.895	213.5	6.411	90.4	1491.7	708.6	117.3
210.0	209.1	9.709	9.686	33.716	26.002	26.949	25.998	203.9	6.619	90.4	1491.1	773.4	158.0
220.0	219.0	9.287	9.263	33.804	26.140	27.134	26.136	190.9	6.816	90.4	1489.8	840.2	136.6
230.0	229.0	9.058	9.033	33.857	26.218	27.259	26.214	183.5	7.002	90.4	1489.2	908.8	55.4
240.0	238.9	8.917	8.892	33.896	26.271	27.357	26.267	178.7	7.183	90.4	1488.9	979.3	42.8
250.0	248.9	8.581	8.555	33.919	26.342	27.475	26.338	172.0	7.359	90.3	1487.8	1051.6	98.7
260.0	258.8	8.364	8.338	33.947	26.397	27.576	26.392	166.9	7.528	90.3	1487.2	1125.5	15.8
270.0	268.7	8.302	8.274	33.960	26.416	27.642	26.412	165.2	7.694	90.3	1487.1	1201.1	18.7
280.0	278.7	8.048	8.019	33.974	26.466	27.738	26.461	160.5	7.857	90.3	1486.3	1278.4	58.2
290.0	288.6	7.963	7.933	33.976	26.480	27.798	26.476	159.3	8.017	90.3	1486.2	1357.2	14.8
300.0	298.5	7.840	7.810	33.989	26.508	27.872	26.504	156.7	8.175	90.3	1485.9	1437.6	45.9
310.0	308.5	7.677	7.647	33.995	26.537	27.947	26.532	154.1	8.330	90.3	1485.4	1519.6	6.6
320.0	318.4	7.681	7.650	34.012	26.549	28.005	26.545	153.1	8.483	90.2	1485.6	1603.1	47.6
330.0	328.3	7.389	7.358	34.010	26.590	28.093	26.585	149.2	8.634	90.2	1484.6	1688.1	26.2
340.0	338.2	7.265	7.232	34.012	26.608	28.158	26.604	147.5	8.782	90.2	1484.3	1774.5	18.5
350.0	348.2	7.011	6.978	34.006	26.639	28.237	26.635	144.5	8.928	90.2	1483.5	1862.5	12.6
360.0	358.1	6.846	6.813	34.003	26.659	28.303	26.654	142.7	9.072	90.2	1483.0	1951.8	11.4
370.0	368.0	6.764	6.730	34.004	26.671	28.361	26.666	141.7	9.215	90.2	1482.8	2042.6	9.7
380.0	378.0	6.674	6.640	34.003	26.682	28.419	26.678	140.7	9.356	90.1	1482.6	2134.7	16.7
390.0	387.9	6.529	6.494	34.005	26.703	28.487	26.699	138.7	9.495	90.1	1482.2	2228.3	35.4
400.0	397.8	6.405	6.370	34.009	26.722	28.553	26.718	136.9	9.633	90.2	1481.9	2323.2	16.0
410.0	407.7	6.329	6.292	34.011	26.734	28.611	26.729	135.9	9.769	90.2	1481.8	2419.5	14.3
420.0	417.6	6.203	6.167	34.017	26.755	28.679	26.750	133.9	9.904	90.1	1481.4	2517.1	26.9
430.0	427.6	6.064	6.027	34.027	26.781	28.751	26.776	131.5	10.037	90.2	1481.1	2616.1	27.4
440.0	437.5	5.997	5.959	34.028	26.790	28.806	26.785	130.7	10.168	90.1	1481.0	2716.3	5.4
450.0	447.4	5.939	5.901	34.033	26.801	28.864	26.796	129.7	10.298	90.1	1480.9	2817.9	18.9
460.0	457.3	5.866	5.827	34.039	26.815	28.925	26.810	128.5	10.427	90.1	1480.8	2920.7	8.4
470.0	467.3	5.822	5.782	34.045	26.826	28.981	26.821	127.5	10.555	90.1	1480.8	3024.8	8.7
480.0	477.2	5.744	5.704	34.046	26.836	29.038	26.831	126.6	10.682	90.2	1480.6	3130.1	14.5
490.0	487.1	5.662	5.621	34.047	26.847	29.096	26.842	125.6	10.809	90.1	1480.4	3236.7	4.5
500.0	497.0	5.577	5.535	34.054	26.863	29.158	26.857	124.2	10.934	90.1	1480.3	3344.5	26.8
510.0	506.9	5.501	5.458	34.057	26.874	29.216	26.869	123.1	11.057	90.1	1480.1	3453.6	9.2
520.0	516.9	5.388	5.345	34.063	26.892	29.281	26.887	121.4	11.180	90.2	1479.8	3563.9	25.6
530.0	526.8	5.321	5.278	34.069	26.905	29.341	26.900	120.2	11.300	90.1	1479.7	3675.3	10.9
540.0	536.7	5.259	5.215	34.076	26.918	29.400	26.913	119.0	11.420	90.1	1479.7	3788.0	11.8
550.0	546.6	5.178	5.134	34.089	26.938	29.467	26.933	117.2	11.538	90.1	1479.5	3901.8	8.6
560.0	556.5	5.133	5.087	34.096	26.948	29.524	26.943	116.3	11.655	90.1	1479.5	4016.8	36.4
570.0	566.4	5.066	5.021	34.111	26.968	29.590	26.963	114.4	11.770	90.1	1479.4	4132.9	10.9
580.0	576.3	4.997	4.951	34.130	26.992	29.660	26.986	112.3	11.884	90.1	1479.3	4250.2	13.3
590.0	586.3	4.913	4.866	34.142	27.010	29.726	27.006	110.4	11.995	90.1	1479.1	4368.6	27.3
600.0	596.2	4.845	4.798	34.152	27.026	29.788	27.021	109.0	12.105	90.1	1479.0	4488.0	3.6
610.0	606.1	4.796	4.748	34.157	27.035	29.844	27.030	108.2	12.213	90.1	1479.0	4608.6	3.9
620.0	616.0	4.767	4.719	34.164	27.045	29.899	27.039	107.4	12.321	90.2	1479.1	4730.1	8.3
630.0	625.9	4.714	4.665	34.174	27.058	29.960	27.053	106.1	12.428	90.1	1479.0	4852.8	11.5
640.0	635.8	4.676	4.626	34.182	27.069	30.016	27.063	105.2	12.534	90.1	1479.0	4976.5	12.1
650.0	645.7	4.632	4.582	34.192	27.082	30.076	27.076	104.0	12.638	90.2	1479.0	5101.2	.9
660.0	655.6	4.599	4.548	34.198	27.090	30.131	27.085	103.2	12.742	90.1	1479.1	5227.0	10.0
670.0	665.5	4.591	4.539	34.215	27.105	30.191	27.099	102.0	12.844	90.1	1479.2	5353.7	11.2
680.0	675.5	4.552	4.499	34.225	27.117	30.250	27.112	100.9	12.946	90.2	1479.2	5481.5	10.0
690.0	685.4	4.489	4.436	34.238	27.134	30.313	27.128	99.3	13.046	90.1	1479.2	5610.3	22.3
700.0	695.3	4.437	4.384	34.252	27.151	30.377	27.145	97.7	13.144	90.1	1479.1	5740.0	5.9
710.0	705.2	4.427	4.373	34.255	27.154	30.427	27.149	97.5	13.242	90.1	1479.3	5870.7	27.3
720.0	715.1	4.391	4.337	34.264	27.166	30.484	27.160	96.5	13.339	90.1	1479.3	6002.3	4.5
730.0	725.0	4.356	4.300	34.275	27.178	30.543	27.172	95.3	13.434	90.1	1479.3	6134.9	14.4
740.0	734.9	4.323	4.267	34.289	27.192	30.603	27.187	94.0	13.529	90.1	1479.4	6268.5	10.3
750.0	744.8	4.289	4.232	34.296	27.202	30.659	27.196	93.2	13.623	90.1	1479.4	6402.9	10.3
760.0	754.7	4.248	4.191	34.308	27.215	30.719	27.209	92.0	13.715	90.1	1479.4	6538.3	25.6
770.0	764.6	4.231	4.173	34.313	27.222	30.771	27.215	91.4	13.807	90.1	1479.5	6674.6	20.0
780.0	774.5	4.189	4.131	34.324	27.235	30.831	27.229	90.2	13.898	90.1	1479.5	6811.8	10.3
790.0	784.4	4.171	4.112	34.329	27.241	30.883	27.234	89.7	13.987	90.1	1479.6	6949.8	4.5
800.0	794.3	4.161	4.101	34.334	27.246	30.934	27.240	89.3	14.077	90.1	1479.7	7088.8	4.8
810.0	804.2	4.126	4.065	34.342	27.256	30.990	27.250	88.4	14.166	90.1	1479.8	7228.6	7.4
820.0	814.1	4.083	4.022	34.355	27.271	31.052	27.264	87.0	14.254	90.1	1479.8	7369.2	12.1
830.0	824.0	4.058	3.996	34.360	27.277	31.104	27.271	86.5	14.340	90.1	1479.8	7510.8	.1
840.0	833.9	4.036	3.974	34.366	27.285	31.158	27.278	85.8	14.427	90.1	1479.9	7653.2	7.1
850.0	843.8	4.023	3.960	34.376	27.294	31.213	27.287	85.1	14.512	90.1	1480.0	7796.4	5.7
860.0	853.7	3.992	3.928	34.379	27.299	31.265	27.293	84.6	14.597	90.1	1480.1	7940.5	9.5
870.0	863.6	3.973	3.908	34.388	27.309	31.320	27.302	83.7	14.681	90.0	1480.2	8085.3	10.1
880.0	873.5	3.956	3.891	34.393	27.315	31.372	27.308	83.2	14.764	90.1	1480.3	8231.1	4.5
890.0	883.4	3.947	3.881	34.397	27.318	31.422	27.312	82.9	14.847	90.0	1480.4	8377.6	3.4
900.0	893.3	3.929	3.862	34.403	27.326	31.475	27.319	82.3	14.930	90.1	1480.5	8524.9	14.8
910.0	903.2	3.905	3.837	34.410	27.333	31.529	27.326	81.6	15.012	90.1	1480.6	8673.1	3.7
920.0	913.1	3.851	3.783	34.416	27.344	31.587	27.337	80.6	15.093	90.1	1480.5	8822.0	7.8
930.0	923.0	3.842	3.773	34.421	27.349	31.637	27.342	80.2	15.174	90.1	1480.6	8971.7	7.8
940.0	932.9	3.810	3.740	34.426	27.356	31.691	27.349	79.6	15.253	90.1	1480.7	9122.3	5.1
950.0	942.8	3.783	3.713	34.431	27.362	31.743	27.355	79.0	15.333	90.1	1480.7	9273.6	7.2
960.0	952.7	3.761	3.690	34.435	27.368	31.795	27.361	78.5	15.411	90.1	1480.8	9425.6	5.4
970.0	962.6	3.728	3.657	34.442	27.377	31.850	27.369	77.7	15.490	90.1	1480.9	9578.5	3.4
980.0	972.5	3.710	3.638	34.448	27.384	31.903	27.376	77.1	15.567	90.0	1480.9	9732.1	1.1
990.0	982.3	3.702	3.629	34.450	27.386	31.952	27.379	76.9	15.644	90.1	1481.1	9886.4	3.7

Station 11 Latitude 32° 17.88'N Longitude 127° 19.83'W 22 Aug 1989 GMT 18:51 Bottom 3593 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.672	3.599	34.456	27.394	32.006	27.387	76.2	15.720	90.1	1481.1	10041.5	6.3
1020.0	1012.0	3.640	3.566	34.467	27.406	32.110	27.399	75.2	15.872	90.1	1481.3	10354.0	7.2
1040.0	1031.8	3.591	3.515	34.473	27.416	32.212	27.409	74.3	16.021	90.0	1481.5	10669.4	2.0
1060.0	1051.6	3.544	3.467	34.481	27.427	32.316	27.419	73.3	16.169	90.0	1481.6	10987.7	5.5
1080.0	1071.3	3.509	3.431	34.487	27.435	32.416	27.428	72.6	16.315	90.0	1481.8	11308.8	3.2
1100.0	1091.1	3.500	3.421	34.497	27.444	32.516	27.436	71.9	16.459	90.0	1482.1	11632.8	2.6
1120.0	1110.9	3.440	3.359	34.504	27.455	32.620	27.448	70.9	16.602	90.0	1482.2	11959.6	7.6
1140.0	1130.6	3.395	3.313	34.510	27.465	32.722	27.456	70.1	16.743	90.1	1482.3	12289.2	2.0
1160.0	1150.4	3.382	3.298	34.512	27.467	32.816	27.459	69.9	16.883	90.0	1482.6	12621.5	4.1
1180.0	1170.2	3.348	3.263	34.515	27.473	32.914	27.465	69.4	17.022	90.1	1482.8	12956.6	1.2
1200.0	1189.9	3.299	3.213	34.520	27.482	33.016	27.474	68.6	17.161	90.0	1482.9	13294.3	5.3
1220.0	1209.7	3.241	3.154	34.525	27.492	33.118	27.484	67.7	17.297	90.0	1483.0	13634.8	1.2
1240.0	1229.4	3.220	3.131	34.527	27.496	33.213	27.487	67.4	17.432	90.0	1483.3	13977.9	3.8
1260.0	1249.2	3.173	3.083	34.533	27.505	33.315	27.496	66.6	17.566	90.0	1483.4	14323.6	9.1
1280.0	1269.0	3.137	3.046	34.535	27.510	33.413	27.502	66.1	17.698	90.0	1483.6	14671.8	4.7
1300.0	1288.7	3.106	3.013	34.544	27.520	33.514	27.511	65.3	17.830	90.0	1483.8	15022.7	3.0
1320.0	1308.5	3.064	2.970	34.548	27.527	33.613	27.518	64.7	17.960	90.0	1484.0	15376.1	16.8
1340.0	1328.2	3.003	2.908	34.553	27.537	33.716	27.528	63.7	18.088	90.0	1484.0	15732.1	8.3
1360.0	1348.0	2.980	2.884	34.555	27.541	33.812	27.532	63.4	18.215	90.0	1484.3	16090.5	2.1
1380.0	1367.7	2.943	2.845	34.558	27.546	33.910	27.538	62.8	18.342	90.0	1484.4	16451.4	.4
1400.0	1387.4	2.894	2.795	34.563	27.555	34.011	27.546	62.0	18.467	90.0	1484.6	16814.7	5.4
1420.0	1407.2	2.856	2.756	34.565	27.560	34.108	27.551	61.6	18.590	89.9	1484.7	17180.5	-.8
1440.0	1426.9	2.845	2.743	34.565	27.561	34.201	27.552	61.5	18.714	89.9	1485.0	17548.6	2.2
1460.0	1446.7	2.818	2.715	34.568	27.566	34.297	27.556	61.1	18.836	90.0	1485.3	17919.2	3.4
1480.0	1466.4	2.777	2.673	34.570	27.571	34.395	27.562	60.6	18.958	89.9	1485.4	18292.1	4.2
1500.0	1486.1	2.755	2.650	34.571	27.574	34.489	27.565	60.4	19.079	90.0	1485.7	18667.4	-1.6
1520.0	1505.8	2.710	2.604	34.575	27.581	34.589	27.572	59.7	19.199	90.0	1485.8	19045.0	2.2
1540.0	1525.6	2.678	2.570	34.578	27.586	34.686	27.577	59.2	19.318	89.9	1486.0	19424.9	1.9
1560.0	1545.3	2.653	2.544	34.579	27.590	34.782	27.581	58.9	19.436	90.0	1486.2	19807.2	1.1
1580.0	1565.0	2.629	2.519	34.581	27.593	34.876	27.584	58.6	19.553	90.0	1486.4	20191.7	3.7
1600.0	1584.8	2.603	2.491	34.583	27.597	34.972	27.588	58.2	19.670	90.0	1486.7	20578.5	1.1
1620.0	1604.5	2.570	2.457	34.586	27.602	35.069	27.593	57.8	19.786	90.0	1486.9	20967.5	2.3
1640.0	1624.2	2.535	2.421	34.588	27.607	35.166	27.597	57.3	19.901	89.9	1487.1	21358.8	-.3
1660.0	1643.9	2.520	2.404	34.590	27.611	35.261	27.601	57.1	20.016	90.0	1487.3	21752.3	1.1
1680.0	1663.6	2.484	2.368	34.593	27.616	35.357	27.606	56.6	20.129	90.0	1487.5	22148.0	-.6
1700.0	1683.3	2.455	2.337	34.596	27.620	35.454	27.611	56.1	20.242	90.0	1487.7	22546.0	9.9
1720.0	1703.1	2.400	2.281	34.599	27.628	35.555	27.618	55.3	20.353	90.0	1487.8	22946.1	4.7
1740.0	1722.8	2.374	2.254	34.600	27.631	35.649	27.621	55.0	20.464	90.0	1488.0	23348.3	1.8
1760.0	1742.5	2.345	2.224	34.603	27.635	35.746	27.626	54.6	20.573	90.0	1488.3	23752.6	4.7
1780.0	1762.2	2.317	2.194	34.606	27.641	35.842	27.630	54.1	20.682	90.0	1488.5	24159.1	.9
1800.0	1781.9	2.287	2.163	34.609	27.645	35.939	27.635	53.6	20.789	89.9	1488.7	24567.7	3.3
1820.0	1801.6	2.260	2.135	34.610	27.648	36.034	27.638	53.3	20.896	89.9	1488.9	24978.3	4.7
1840.0	1821.3	2.250	2.123	34.611	27.650	36.126	27.640	53.2	21.003	89.9	1489.2	25391.0	-.5
1860.0	1841.0	2.235	2.106	34.612	27.653	36.220	27.642	53.0	21.109	89.9	1489.5	25805.7	2.1
1880.0	1860.7	2.231	2.101	34.613	27.654	36.311	27.643	53.0	21.215	90.0	1489.8	26222.6	2.2
1900.0	1880.4	2.213	2.082	34.616	27.657	36.406	27.647	52.7	21.321	90.0	1490.0	26641.4	-.5
1920.0	1900.1	2.188	2.055	34.618	27.661	36.502	27.651	52.3	21.426	90.0	1490.3	27062.3	.4
1940.0	1919.7	2.168	2.034	34.619	27.664	36.595	27.653	52.1	21.530	90.0	1490.5	27485.2	2.2
1960.0	1939.4	2.150	2.014	34.620	27.666	36.689	27.655	51.9	21.634	90.0	1490.8	27910.1	1.0
1980.0	1959.1	2.143	2.006	34.621	27.668	36.781	27.657	51.8	21.738	90.0	1491.1	28337.0	1.4
2000.0	1978.8	2.134	1.995	34.622	27.669	36.873	27.658	51.7	21.841	90.0	1491.4	28766.0	2.5
2050.0	2028.0	2.088	1.946	34.627	27.678	37.109	27.666	50.9	22.098	90.0	1492.0	29847.0	.8
2100.0	2077.2	2.032	1.887	34.633	27.687	37.346	27.675	50.0	22.351	90.0	1492.6	30940.3	3.8
2150.0	2126.4	1.990	1.841	34.638	27.694	37.580	27.683	49.4	22.600	90.0	1493.3	32045.6	1.8
2200.0	2175.5	1.947	1.794	34.641	27.701	37.813	27.689	48.8	22.845	90.0	1493.9	33162.8	1.2
2250.0	2224.7	1.913	1.756	34.644	27.705	38.044	27.693	48.4	23.088	90.0	1494.6	34291.8	.4
2300.0	2273.8	1.868	1.708	34.648	27.712	38.278	27.700	47.7	23.328	90.0	1495.3	35432.4	.7
2350.0	2323.0	1.841	1.677	34.650	27.716	38.508	27.704	47.4	23.566	90.0	1496.0	36584.4	2.5
2400.0	2372.1	1.822	1.653	34.651	27.719	38.735	27.706	47.2	23.803	90.0	1496.8	37747.9	2.3
2450.0	2421.2	1.797	1.625	34.654	27.723	38.965	27.710	46.9	24.038	90.0	1497.5	38922.7	2.6
2500.0	2470.3	1.773	1.597	34.656	27.727	39.193	27.714	46.6	24.272	89.9	1498.3	40108.7	-.3
2550.0	2519.4	1.757	1.577	34.658	27.730	39.420	27.716	46.5	24.505	90.1	1499.0	41305.9	.1
2600.0	2568.5	1.734	1.549	34.660	27.733	39.648	27.720	46.2	24.736	90.0	1499.8	42514.2	-.2
2650.0	2617.5	1.727	1.538	34.661	27.735	39.873	27.721	46.2	24.967	90.0	1500.6	43733.5	.4
2700.0	2666.6	1.700	1.507	34.663	27.740	40.102	27.725	45.8	25.197	90.0	1501.3	44964.0	-.1
2750.0	2715.6	1.679	1.481	34.664	27.742	40.328	27.728	45.6	25.426	90.0	1502.1	46205.3	1.4
2800.0	2764.7	1.659	1.457	34.666	27.745	40.555	27.730	45.4	25.653	90.0	1502.8	47457.6	1.7
2850.0	2813.7	1.645	1.439	34.668	27.748	40.780	27.733	45.2	25.880	89.9	1503.6	48720.7	.3
2900.0	2862.7	1.635	1.424	34.669	27.750	41.004	27.735	45.1	26.106	90.0	1504.4	49994.6	.9
2950.0	2911.7	1.623	1.408	34.670	27.752	41.229	27.737	45.0	26.331	90.0	1505.2	51279.3	1.6
3000.0	2960.7	1.603	1.384	34.672	27.756	41.455	27.740	44.8	26.556	90.0	1506.0	52574.6	.0
3000.0	2960.7	1.603	1.384	34.672	27.756	41.455	27.740	44.8	26.556	90.0	1506.0	52574.6	.0

Station 12 Latitude 32° 21.25'N Longitude 127° 29.86'W 22 Aug 1989 GMT 22:00 Bottom 4183 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.227	19.227	33.366	23.716	23.717	23.716	417.1	.000	89.7	1518.1	.0	.0
10.0	10.0	19.143	19.142	33.390	23.756	23.800	23.756	413.6	.415	89.8	1518.0	2.1	60.8
20.0	19.9	19.045	19.042	33.387	23.779	23.866	23.778	411.8	.827	89.7	1517.9	8.3	3.7
30.0	29.9	19.010	19.005	33.401	23.799	23.930	23.798	410.3	1.239	89.7	1518.0	18.6	29.4
40.0	39.9	19.089	19.082	33.560	23.901	24.075	23.899	400.9	1.648	89.4	1518.6	33.0	414.3
50.0	49.8	19.038	19.029	33.709	24.028	24.245	24.026	389.2	2.040	89.4	1518.7	51.3	152.2
60.0	59.8	17.642	17.632	33.692	24.361	24.623	24.358	357.7	2.418	89.4	1514.9	73.6	407.6
70.0	69.8	16.147	16.136	33.548	24.601	24.908	24.598	335.0	2.765	89.6	1510.3	99.4	199.2
80.0	79.7	16.172	16.159	33.679	24.696	25.048	24.694	326.2	3.095	89.7	1510.7	128.6	136.6
90.0	89.7	15.846	15.832	33.737	24.815	25.211	24.812	315.2	3.416	89.8	1510.0	161.0	84.7
100.0	99.7	15.717	15.701	33.774	24.873	25.312	24.869	310.0	3.730	89.8	1509.8	196.6	105.8
110.0	109.6	15.486	15.470	33.814	24.955	25.439	24.951	302.5	4.036	89.8	1509.3	235.3	60.9
120.0	119.6	14.762	14.744	33.766	25.077	25.606	25.073	291.0	4.333	89.8	1507.1	276.9	145.4
130.0	129.5	14.277	14.258	33.742	25.162	25.737	25.158	283.1	4.620	90.1	1505.6	321.5	81.8
140.0	139.5	13.615	13.595	33.695	25.263	25.883	25.259	273.7	4.898	90.2	1503.6	368.9	125.6
150.0	149.4	12.862	12.842	33.633	25.366	26.033	25.362	263.9	5.168	90.4	1501.1	419.0	81.3
160.0	159.4	12.257	12.236	33.585	25.446	26.160	25.442	256.4	5.429	90.3	1499.2	471.7	91.7
170.0	169.3	11.833	11.811	33.617	25.551	26.310	25.547	246.6	5.680	90.4	1497.9	526.9	51.8
180.0	179.3	11.274	11.251	33.598	25.639	26.446	25.635	238.2	5.922	90.5	1496.1	584.6	71.3
190.0	189.2	10.856	10.833	33.622	25.732	26.585	25.728	229.5	6.155	90.5	1494.8	644.7	27.6
200.0	199.2	10.313	10.289	33.654	25.853	26.752	25.849	218.1	6.379	90.6	1493.0	707.0	34.0
210.0	209.1	9.888	9.864	33.722	25.977	26.924	25.973	206.3	6.591	90.5	1491.8	771.5	30.1
220.0	219.0	9.473	9.448	33.807	26.112	27.106	26.109	193.5	6.792	90.5	1490.5	838.0	12.4
230.0	229.0	9.425	9.400	33.817	26.128	27.167	26.124	192.3	6.985	90.5	1490.5	906.5	40.9
240.0	238.9	9.221	9.195	33.885	26.215	27.299	26.210	184.2	7.173	90.5	1490.0	976.9	32.6
250.0	248.9	9.099	9.072	33.927	26.267	27.397	26.263	179.4	7.354	90.5	1489.8	1049.1	10.6
260.0	258.8	9.072	9.043	33.927	26.271	27.447	26.267	179.1	7.534	90.4	1489.8	1123.0	6.0
270.0	268.7	8.943	8.914	33.949	26.309	27.530	26.304	175.7	7.711	90.5	1489.5	1198.8	73.6
280.0	278.7	8.671	8.641	33.977	26.374	27.642	26.369	169.6	7.884	90.4	1488.7	1276.2	56.9
290.0	288.6	8.526	8.496	33.989	26.405	27.719	26.400	166.7	8.052	90.4	1488.3	1355.4	49.8
300.0	298.5	8.308	8.277	34.000	26.447	27.808	26.442	162.8	8.217	90.3	1487.7	1436.2	7.6
310.0	308.5	8.125	8.094	34.004	26.478	27.885	26.473	159.9	8.378	90.2	1487.2	1518.6	30.7
320.0	318.4	8.047	8.014	34.003	26.489	27.942	26.484	159.0	8.538	90.2	1487.0	1602.6	3.8
330.0	328.3	7.886	7.853	34.005	26.514	28.014	26.509	156.7	8.695	90.1	1486.6	1688.2	11.0
340.0	338.3	7.804	7.770	34.002	26.524	28.069	26.519	155.9	8.852	90.0	1486.4	1775.3	9.6
350.0	348.2	7.654	7.619	34.004	26.548	28.140	26.543	153.7	9.006	89.8	1486.0	1863.9	28.3
360.0	358.1	7.530	7.495	34.002	26.564	28.202	26.559	152.2	9.159	89.7	1485.7	1954.1	4.6
370.0	368.0	7.349	7.314	33.999	26.587	28.272	26.582	150.1	9.310	89.6	1485.1	2045.8	30.9
380.0	378.0	7.125	7.089	33.998	26.618	28.350	26.613	147.2	9.459	89.4	1484.4	2139.0	24.4
390.0	387.9	6.885	6.849	34.002	26.653	28.434	26.648	143.7	9.604	89.2	1483.6	2233.6	36.9
400.0	397.8	6.657	6.620	34.004	26.685	28.513	26.680	140.7	9.747	89.0	1482.9	2329.6	48.6
410.0	407.7	6.507	6.470	34.007	26.708	28.583	26.703	138.6	9.886	88.8	1482.5	2427.1	26.3
420.0	417.7	6.260	6.223	34.011	26.743	28.666	26.739	135.1	10.023	88.6	1481.7	2525.8	38.0
430.0	427.6	6.123	6.085	34.019	26.767	28.737	26.762	132.9	10.157	88.5	1481.3	2626.0	40.6
440.0	437.5	5.974	5.936	34.029	26.794	28.811	26.789	130.3	10.288	88.4	1480.9	2727.4	6.3
450.0	447.4	5.874	5.835	34.037	26.813	28.876	26.808	128.6	10.418	88.3	1480.6	2830.1	23.6
460.0	457.4	5.734	5.695	34.047	26.837	28.948	26.833	126.2	10.545	88.2	1480.2	2934.1	21.5
470.0	467.3	5.629	5.590	34.052	26.854	29.013	26.850	124.6	10.671	88.2	1480.0	3039.4	22.7
480.0	477.2	5.578	5.538	34.062	26.869	29.073	26.864	123.4	10.795	88.1	1480.0	3145.8	10.1
490.0	487.1	5.516	5.476	34.065	26.878	29.129	26.873	122.5	10.918	88.1	1479.9	3253.5	13.9
500.0	497.0	5.455	5.413	34.071	26.891	29.188	26.886	121.4	11.040	88.1	1479.8	3362.4	13.6
510.0	507.0	5.331	5.289	34.083	26.915	29.259	26.910	119.1	11.160	88.2	1479.5	3472.5	11.2
520.0	516.9	5.248	5.205	34.084	26.926	29.317	26.921	118.1	11.279	88.3	1479.3	3583.8	13.8
530.0	526.8	5.164	5.121	34.090	26.940	29.378	26.935	116.7	11.396	88.3	1479.1	3696.2	9.4
540.0	536.7	5.101	5.058	34.105	26.959	29.444	26.954	115.0	11.512	88.5	1479.1	3809.8	25.0
550.0	546.6	5.035	4.991	34.111	26.972	29.503	26.967	113.8	11.627	88.7	1479.0	3924.5	11.8
560.0	556.5	4.982	4.938	34.123	26.987	29.565	26.982	112.4	11.740	88.9	1478.9	4040.4	12.1
570.0	566.4	4.919	4.874	34.134	27.003	29.627	26.998	110.9	11.852	89.1	1478.8	4157.3	22.9
580.0	576.4	4.859	4.813	34.145	27.019	29.689	27.013	109.5	11.962	89.3	1478.8	4275.4	4.1
590.0	586.3	4.801	4.754	34.150	27.029	29.747	27.024	108.5	12.071	90.2	1478.7	4394.5	23.5
600.0	596.2	4.724	4.677	34.169	27.053	29.817	27.048	106.3	12.179	90.1	1478.6	4514.7	11.7
610.0	606.1	4.701	4.654	34.174	27.059	29.870	27.054	105.8	12.285	90.1	1478.6	4635.9	10.6
620.0	616.0	4.662	4.614	34.181	27.070	29.926	27.065	104.8	12.390	90.2	1478.7	4758.2	-.5
630.0	625.9	4.615	4.566	34.191	27.083	29.986	27.077	103.7	12.494	90.2	1478.6	4881.5	6.8
640.0	635.8	4.585	4.536	34.202	27.095	30.044	27.089	102.6	12.597	90.2	1478.7	5005.9	10.3
650.0	645.7	4.552	4.502	34.213	27.107	30.102	27.101	101.5	12.699	90.2	1478.7	5131.2	17.3
660.0	655.7	4.516	4.465	34.228	27.123	30.165	27.117	100.1	12.800	90.1	1478.8	5257.5	19.4
670.0	665.6	4.483	4.431	34.239	27.135	30.223	27.130	99.0	12.899	90.2	1478.8	5384.8	18.8
680.0	675.5	4.454	4.402	34.248	27.145	30.280	27.140	98.0	12.998	90.1	1478.9	5513.1	11.2
690.0	685.4	4.430	4.377	34.257	27.155	30.336	27.150	97.2	13.096	90.2	1478.9	5642.4	14.1
700.0	695.3	4.395	4.342	34.270	27.170	30.396	27.164	95.9	13.192	90.1	1479.0	5772.6	14.1
710.0	705.2	4.359	4.305	34.284	27.185	30.458	27.179	94.5	13.287	90.2	1479.0	5903.8	22.0
720.0	715.1	4.329	4.274	34.296	27.197	30.516	27.191	93.4	13.381	90.1	1479.1	6035.9	4.2
730.0	725.0	4.319	4.264	34.298	27.200	30.565	27.194	93.2	13.474	90.1	1479.2	6168.9	2.4
740.0	734.9	4.300	4.244	34.306	27.208	30.620	27.202	92.5	13.567	90.1	1479.3	6302.8	3.3
750.0	744.8	4.284	4.227	34.311	27.214	30.671	27.208	92.0	13.659	90.1	1479.4	6437.6	18.5
760.0	754.7	4.262	4.204	34.317	27.222	30.725	27.216	91.4	13.751	90.1	1479.5	6573.3	1.8
770.0	764.6	4.242	4.184	34.322	27.228	30.777	27.222	90.9	13.842	90.1	1479.6	6709.9	14.4
780.0	774.5	4.208	4.149	34.333	27.240	30.835	27.233	89.8	13.932	90.1	1479.6	6847.5	10.9
790.0	784.4	4.174	4.115	34.340	27.250	30.892	27.243	88.9	14.022	90.1	1479.6	6985.9	14.4
800.0	794.3	4.151	4.091	34.349	27.259	30.947	27.253	88.1	14.110	90.1	1479.7	7125.1	8.9
810.0	804.2	4.134	4.073	34.358	27.268	31.002	27.261	87.3	14.198	90.2	1479.8	7265.3	.1
820.0	814.1	4.117	4.055	34.363	27.273	31.054	27.267	86.9	14.285	90.1	1479.9	7406.3	2.5
830.0	824.0	4.067	4.005	34.366	27.281	31.108	27.274	86.2	14.372	90.1	1479.9	7548.1	8.9
840.0	833.9	4.029	3.966	34.370	27.289	31.162	27.282	85.4	14.457	90.1	1479.9	7690.8	8.3
850.0	843.8	4.012	3.948	34.375	27.294	31.213	27.288	85.0	14.543	90.1	1480.0	7834.3	1.0
860.0	853.7	4.002	3.938	34.381	27.301	31.266	27.294	84.5	14.627	90.1	1480.1	7978.7	4.8
870.0	863.6	3.987	3.922	34.384	27.304	31.316	27.298	84.1	14.712	90.1	1480.2	8123.9	13.6
880.0	873.5	3.955	3.889	34.389	27.312	31.369	27.305	83.5	14.795	90.1	1480.3	8269.9	17.4
890.0	883.4	3.925	3.859	34.396	27.321	31.424	27.314	82.7	14.878	90.1	1480.3	8416.7	7.8
900.0	893.3	3.904	3.837	34.404	27.329	31.479	27.322	81.9	14.960	90.2	1480.4	8564.4	9.2
910.0	903.2	3.879	3.811	34.407	27.334	31.530	27.327	81.5	15.042	90.1	1480.4	8712.8	4.5
920.0	913.1	3.860	3.792	34.413	27.341	31.583	27.334	80.9	15.123	90.0	1480.5	8862.1	6.6
930.0	923.0	3.837	3.768	34.420	27.349	31.637	27.342	80.2	15.204	90.1	1480.6	9012.1	6.9
940.0	932.9	3.815	3.745	34.425	27.355	31.690	27.348	79.7	15.284	90.1	1480.7	9162.9	6.9
950.0	942.8	3.784	3.714	34.431	27.362	31.743	27.355	79.0	15.363	90.1	1480.7	9314.5	6.0
960.0	952.7	3.764	3.694	34.435	27.368	31.795	27.361	78.5	15.442	90.1	1480.8	9466.9	11.9
970.0	962.5	3.733	3.662	34.442	27.377	31.850	27.370	77.7	15.520	90.1	1480.9	9620.0	9.5
980.0	972.5	3.703	3.631	34.446	27.383	31.903	27.376	77.1	15.598	90.2	1480.9	9773.9	1.6
990.0	982.3	3.681	3.609	34.449	27.387	31.953	27.380	76.8	15.675	90.1	1481.0	9928.6	5.7

Station 12 Latitude 32° 21.25'N Longitude 127° 29.86'W 22 Aug 1989 GMT 22:00 Bottom 4183 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.653	3.580	34.454	27.394	32.007	27.387	76.1	15.751	90.0	1481.0	10084.0	6.9
1020.0	1012.0	3.604	3.530	34.465	27.408	32.112	27.400	74.9	15.902	90.1	1481.2	10397.1	4.6
1040.0	1031.8	3.560	3.485	34.472	27.418	32.215	27.411	74.0	16.052	90.0	1481.3	10713.0	9.6
1060.0	1051.6	3.522	3.445	34.478	27.427	32.316	27.419	73.3	16.199	90.1	1481.5	11031.9	5.8
1080.0	1071.3	3.484	3.405	34.484	27.436	32.417	27.428	72.5	16.344	90.1	1481.7	11353.7	-.7
1100.0	1091.1	3.453	3.373	34.489	27.442	32.516	27.435	72.0	16.489	90.1	1481.9	11678.3	2.3
1120.0	1110.9	3.414	3.333	34.495	27.451	32.617	27.443	71.2	16.632	90.1	1482.1	12005.7	6.4
1140.0	1130.6	3.351	3.270	34.502	27.463	32.721	27.455	70.1	16.773	90.1	1482.1	12335.8	7.3
1160.0	1150.4	3.307	3.224	34.510	27.473	32.825	27.465	69.1	16.913	90.2	1482.3	12668.7	6.1
1180.0	1170.2	3.270	3.186	34.515	27.481	32.924	27.473	68.5	17.050	90.1	1482.5	13004.4	2.0
1200.0	1189.9	3.244	3.158	34.522	27.490	33.024	27.481	67.8	17.187	90.1	1482.7	13342.6	.6
1220.0	1209.7	3.196	3.109	34.527	27.497	33.125	27.490	67.0	17.322	90.1	1482.8	13683.6	7.3
1240.0	1229.4	3.162	3.074	34.530	27.503	33.223	27.495	66.5	17.455	90.1	1483.0	14027.1	.9
1260.0	1249.2	3.131	3.041	34.533	27.508	33.320	27.500	66.1	17.588	90.1	1483.2	14373.3	3.5
1280.0	1269.0	3.099	3.008	34.537	27.515	33.418	27.506	65.6	17.719	90.1	1483.4	14722.0	.9
1300.0	1288.7	3.069	2.976	34.541	27.521	33.517	27.513	65.0	17.850	90.1	1483.6	15073.3	.9
1320.0	1308.5	3.043	2.949	34.545	27.526	33.614	27.518	64.6	17.980	90.1	1483.9	15427.1	3.3
1340.0	1328.2	3.008	2.913	34.547	27.532	33.711	27.523	64.2	18.109	90.1	1484.0	15783.4	5.3
1360.0	1347.9	2.976	2.880	34.551	27.537	33.809	27.529	63.6	18.236	90.1	1484.2	16142.2	3.3
1380.0	1367.7	2.935	2.838	34.554	27.544	33.908	27.535	63.0	18.363	90.0	1484.4	16503.5	5.4
1400.0	1387.4	2.908	2.809	34.557	27.549	34.004	27.540	62.6	18.489	90.1	1484.6	16867.3	6.3
1420.0	1407.2	2.872	2.772	34.561	27.555	34.103	27.546	62.1	18.614	90.1	1484.8	17233.5	1.9
1440.0	1426.9	2.845	2.744	34.562	27.559	34.199	27.550	61.7	18.737	90.0	1485.0	17602.1	3.1
1460.0	1446.7	2.801	2.699	34.565	27.565	34.298	27.556	61.1	18.860	90.0	1485.2	17973.1	2.8
1480.0	1466.4	2.767	2.664	34.567	27.570	34.394	27.561	60.7	18.982	90.0	1485.4	18346.5	2.8
1500.0	1486.1	2.736	2.631	34.570	27.575	34.492	27.566	60.2	19.103	90.0	1485.6	18722.3	3.4
1520.0	1505.8	2.719	2.612	34.572	27.578	34.586	27.569	60.0	19.223	90.0	1485.8	19100.3	.5
1540.0	1525.6	2.689	2.582	34.574	27.582	34.682	27.573	59.6	19.343	90.0	1486.0	19480.8	1.4
1560.0	1545.3	2.660	2.551	34.576	27.587	34.778	27.577	59.2	19.461	90.1	1486.2	19863.5	2.2
1580.0	1565.0	2.611	2.501	34.579	27.593	34.877	27.583	58.6	19.579	90.0	1486.4	20248.5	2.8
1600.0	1584.8	2.582	2.471	34.581	27.597	34.973	27.588	58.2	19.696	90.0	1486.6	20635.8	4.3
1620.0	1604.5	2.556	2.444	34.583	27.601	35.069	27.592	57.8	19.812	90.1	1486.8	21025.4	5.5
1640.0	1624.2	2.525	2.411	34.586	27.607	35.166	27.597	57.3	19.927	90.0	1487.0	21417.2	1.1
1660.0	1643.9	2.507	2.392	34.589	27.611	35.261	27.601	57.0	20.042	90.0	1487.3	21811.2	-.6
1680.0	1663.6	2.484	2.367	34.591	27.614	35.357	27.604	56.7	20.155	90.0	1487.5	22207.4	2.0
1700.0	1683.3	2.452	2.334	34.594	27.619	35.453	27.610	56.2	20.268	90.1	1487.7	22605.9	2.9
1720.0	1703.0	2.423	2.304	34.594	27.622	35.548	27.612	56.0	20.380	90.1	1487.9	23006.5	3.2
1740.0	1722.8	2.397	2.276	34.596	27.626	35.643	27.616	55.6	20.492	90.1	1488.1	23409.2	5.3
1760.0	1742.5	2.366	2.244	34.599	27.631	35.740	27.621	55.1	20.602	90.1	1488.3	23814.2	1.5
1780.0	1762.2	2.338	2.215	34.601	27.635	35.836	27.625	54.7	20.712	90.1	1488.6	24221.2	5.3
1800.0	1781.9	2.310	2.186	34.603	27.639	35.932	27.629	54.3	20.821	90.1	1488.8	24630.4	.9
1820.0	1801.6	2.288	2.162	34.605	27.643	36.027	27.632	54.0	20.930	90.1	1489.0	25041.7	3.3
1840.0	1821.3	2.276	2.149	34.608	27.646	36.120	27.635	53.8	21.037	90.0	1489.3	25455.0	2.1
1860.0	1841.0	2.265	2.136	34.610	27.648	36.214	27.638	53.5	21.145	90.1	1489.6	25870.5	.7
1880.0	1860.7	2.242	2.112	34.612	27.652	36.309	27.642	53.2	21.251	90.0	1489.8	26288.0	1.3
1900.0	1880.3	2.225	2.094	34.613	27.654	36.402	27.644	53.0	21.358	90.0	1490.1	26707.5	1.6
1920.0	1900.0	2.193	2.061	34.617	27.660	36.500	27.649	52.5	21.463	90.0	1490.3	27129.2	4.5
1940.0	1919.7	2.172	2.038	34.619	27.664	36.595	27.653	52.1	21.567	90.0	1490.5	27552.8	.1
1960.0	1939.4	2.155	2.020	34.621	27.667	36.689	27.656	51.9	21.671	90.0	1490.8	27978.4	1.6
1980.0	1959.1	2.130	1.993	34.624	27.671	36.784	27.660	51.4	21.775	90.0	1491.0	28406.1	4.3
2000.0	1978.8	2.105	1.967	34.626	27.675	36.880	27.664	51.0	21.877	90.0	1491.3	28835.7	.2
2050.0	2028.0	2.060	1.918	34.629	27.681	37.113	27.669	50.5	22.131	90.1	1491.9	29918.4	1.4
2100.0	2077.2	2.022	1.876	34.632	27.687	37.346	27.675	50.0	22.382	90.0	1492.6	31013.2	1.1
2150.0	2126.4	1.974	1.825	34.638	27.696	37.582	27.684	49.2	22.630	90.0	1493.2	32120.1	.9
2200.0	2175.5	1.944	1.791	34.640	27.700	37.813	27.688	48.8	22.875	90.1	1493.9	33238.8	1.2
2250.0	2224.7	1.916	1.759	34.644	27.705	38.044	27.693	48.4	23.118	90.0	1494.6	34369.3	.7
2300.0	2273.8	1.879	1.719	34.647	27.711	38.276	27.698	47.9	23.360	90.0	1495.3	35511.4	.7
2350.0	2323.0	1.854	1.689	34.649	27.715	38.505	27.702	47.6	23.598	90.0	1496.1	36665.0	.8
2400.0	2372.1	1.820	1.651	34.651	27.719	38.736	27.707	47.2	23.835	89.9	1496.8	37830.0	-2.4
2450.0	2421.2	1.796	1.624	34.655	27.724	38.966	27.711	46.8	24.070	90.0	1497.5	39006.3	.0
2500.0	2470.3	1.768	1.592	34.656	27.727	39.194	27.714	46.5	24.303	90.0	1498.2	40193.8	.3
2550.0	2519.4	1.750	1.570	34.658	27.730	39.421	27.717	46.4	24.535	90.0	1499.0	41392.5	-.2
2600.0	2568.5	1.728	1.544	34.660	27.734	39.650	27.721	46.0	24.767	90.1	1499.8	42602.3	.4
2650.0	2617.5	1.707	1.518	34.662	27.737	39.877	27.723	45.8	24.997	90.0	1500.5	43823.2	1.3
2700.0	2666.6	1.691	1.498	34.663	27.740	40.103	27.726	45.7	25.225	90.0	1501.3	45054.9	1.4
2750.0	2715.6	1.663	1.466	34.666	27.744	40.331	27.730	45.3	25.453	90.0	1502.0	46297.6	.8
2800.0	2764.7	1.653	1.452	34.667	27.747	40.556	27.732	45.2	25.679	90.0	1502.8	47551.2	.9
2850.0	2813.7	1.637	1.431	34.669	27.749	40.782	27.734	45.0	25.904	90.1	1503.6	48815.5	-.6
2900.0	2862.7	1.623	1.413	34.670	27.752	41.007	27.736	44.9	26.129	90.0	1504.4	50090.6	-.8
2950.0	2911.7	1.614	1.399	34.671	27.753	41.231	27.738	44.8	26.354	90.0	1505.2	51376.4	1.9
3000.0	2960.7	1.605	1.386	34.672	27.755	41.454	27.740	44.8	26.578	90.0	1506.0	52672.9	1.6
3006.0	2966.6	1.602	1.382	34.673	27.756	41.482	27.740	44.7	26.605	90.0	1506.1	52829.2	.0

Station 13 Latitude 32° 23.07'N Longitude 127° 35.94'W 23 Aug 1989 GMT 00:32 Bottom 3200 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.352	19.352	33.387	23.701	23.701	23.701	418.6	.000	89.4	1518.4	.0	.0
10.0	10.0	19.275	19.274	33.416	23.743	23.786	23.743	414.9	.417	89.4	1518.4	2.1	36.9
20.0	19.9	19.153	19.149	33.424	23.781	23.868	23.780	411.7	.830	89.3	1518.2	8.3	14.3
30.0	29.9	19.123	19.117	33.450	23.808	23.938	23.807	409.4	1.241	89.3	1518.4	18.6	6.3
40.0	39.9	19.003	18.996	33.496	23.874	24.048	23.872	403.5	1.649	89.3	1518.2	33.0	158.2
50.0	49.8	18.888	18.879	33.653	24.024	24.241	24.021	389.6	2.045	89.3	1518.3	51.5	316.2
60.0	59.8	18.654	18.643	34.020	24.363	24.624	24.361	357.6	2.422	89.2	1518.2	73.7	675.5
70.0	69.8	17.054	17.043	33.971	24.715	25.021	24.712	324.3	2.759	89.4	1513.6	99.6	83.7
80.0	79.7	16.724	16.711	33.968	24.791	25.142	24.788	317.3	3.079	89.4	1512.8	128.7	168.0
90.0	89.7	16.573	16.559	34.060	24.897	25.291	24.894	307.6	3.389	89.6	1512.6	160.9	127.3
100.0	99.7	16.798	16.781	34.268	25.005	25.442	25.001	297.7	3.691	89.6	1513.7	196.1	41.3
110.0	109.6	16.665	16.647	34.278	25.044	25.526	25.040	294.2	3.987	89.6	1513.5	234.3	112.4
120.0	119.6	15.583	15.564	34.154	25.196	25.723	25.192	279.9	4.274	89.8	1510.1	275.5	160.0
130.0	129.5	14.781	14.762	34.067	25.305	25.878	25.300	269.7	4.549	90.0	1507.7	319.4	61.7
140.0	139.5	14.030	14.010	33.974	25.393	26.013	25.389	261.4	4.817	90.0	1505.3	366.0	112.6
150.0	149.4	13.888	13.866	33.964	25.415	26.079	25.410	259.6	5.078	90.3	1505.0	415.2	63.6
160.0	159.4	12.887	12.866	33.861	25.538	26.249	25.534	247.9	5.330	90.1	1501.7	467.0	15.1
170.0	169.3	12.108	12.086	33.803	25.643	26.402	25.639	237.9	5.574	90.3	1499.1	521.2	38.4
180.0	179.3	11.966	11.943	33.783	25.655	26.458	25.651	237.0	5.812	90.2	1498.7	577.9	120.1
190.0	189.2	11.388	11.365	33.760	25.745	26.595	25.740	228.5	6.043	90.2	1496.9	636.8	130.5
200.0	199.1	10.713	10.689	33.746	25.855	26.753	25.851	218.1	6.265	90.3	1494.6	698.0	54.3
210.0	209.1	10.095	10.071	33.741	25.958	26.903	25.954	208.3	6.479	90.3	1492.5	761.4	25.2
220.0	219.0	9.731	9.706	33.799	26.064	27.056	26.059	198.3	6.683	90.2	1491.4	826.8	130.2
230.0	229.0	9.398	9.372	33.886	26.186	27.225	26.182	186.7	6.874	90.3	1490.5	894.2	13.6
240.0	238.9	9.278	9.252	33.881	26.202	27.287	26.198	185.4	7.060	90.3	1490.2	963.4	42.3
250.0	248.8	8.865	8.838	33.913	26.292	27.424	26.288	176.8	7.241	90.3	1488.9	1034.5	61.8
260.0	258.8	8.781	8.754	33.959	26.342	27.519	26.338	172.3	7.415	90.2	1488.8	1107.3	20.8
270.0	268.7	8.717	8.688	33.971	26.362	27.584	26.357	170.6	7.586	90.3	1488.7	1181.8	13.8
280.0	278.6	8.339	8.310	33.963	26.413	27.684	26.409	165.6	7.754	90.3	1487.4	1258.0	78.4
290.0	288.6	8.171	8.141	33.973	26.447	27.763	26.442	162.6	7.918	90.2	1487.0	1335.8	17.2
300.0	298.5	7.980	7.950	33.973	26.475	27.838	26.471	159.9	8.080	90.2	1486.4	1415.3	31.8
310.0	308.4	7.850	7.820	33.982	26.501	27.910	26.497	157.6	8.239	90.2	1486.1	1496.3	35.9
320.0	318.4	7.660	7.629	33.988	26.534	27.990	26.529	154.5	8.395	90.1	1485.5	1578.9	62.5
330.0	328.3	7.504	7.472	33.991	26.558	28.061	26.554	152.3	8.548	90.1	1485.1	1663.1	24.4
340.0	338.2	7.389	7.356	33.992	26.575	28.124	26.571	150.7	8.700	90.1	1484.8	1748.7	21.8
350.0	348.2	7.269	7.236	33.993	26.593	28.188	26.588	149.1	8.850	90.1	1484.5	1835.8	13.6
360.0	358.1	7.060	7.026	33.991	26.621	28.263	26.616	146.5	8.997	90.1	1483.8	1924.4	27.6
370.0	368.0	6.978	6.944	33.998	26.637	28.326	26.632	145.0	9.143	90.0	1483.7	2014.4	13.2
380.0	377.9	6.880	6.845	33.999	26.652	28.386	26.647	143.7	9.287	90.1	1483.5	2105.9	30.5
390.0	387.9	6.700	6.665	34.002	26.678	28.460	26.673	141.3	9.430	90.0	1482.9	2198.8	4.7
400.0	397.8	6.618	6.582	34.003	26.690	28.518	26.685	140.2	9.571	90.0	1482.7	2293.1	46.3
410.0	407.7	6.388	6.352	33.999	26.717	28.593	26.712	137.6	9.709	90.0	1482.0	2388.8	11.7
420.0	417.6	6.251	6.214	34.000	26.736	28.659	26.731	135.8	9.845	90.0	1481.6	2485.8	16.9
430.0	427.6	6.100	6.062	34.003	26.757	28.727	26.752	133.8	9.980	90.0	1481.2	2584.2	3.1
440.0	437.5	5.966	5.929	34.007	26.777	28.794	26.772	131.9	10.113	90.0	1480.8	2683.9	11.0
450.0	447.4	5.926	5.888	34.009	26.784	28.847	26.779	131.4	10.245	90.0	1480.8	2784.9	30.9
460.0	457.3	5.876	5.837	34.016	26.796	28.905	26.791	130.3	10.375	90.0	1480.8	2887.2	8.9
470.0	467.3	5.746	5.707	34.028	26.821	28.978	26.816	127.9	10.504	89.9	1480.4	2990.8	.7
480.0	477.2	5.561	5.521	34.028	26.843	29.048	26.838	125.7	10.631	90.0	1479.8	3095.6	50.5
490.0	487.1	5.581	5.540	34.051	26.859	29.109	26.854	124.4	10.756	90.0	1480.1	3201.7	2.5
500.0	497.0	5.613	5.571	34.084	26.882	29.177	26.877	122.4	10.879	89.9	1480.5	3309.0	8.9
510.0	506.9	5.460	5.418	34.076	26.894	29.236	26.889	121.2	11.001	90.0	1480.0	3417.5	34.1
520.0	516.8	5.628	5.584	34.125	26.913	29.299	26.907	119.8	11.122	90.0	1480.9	3527.2	18.3
530.0	526.8	5.600	5.556	34.138	26.926	29.358	26.920	118.6	11.241	90.0	1481.0	3638.1	18.9
540.0	536.7	5.500	5.455	34.143	26.942	29.421	26.937	117.1	11.358	90.0	1480.7	3750.1	7.2
550.0	546.6	5.363	5.317	34.141	26.957	29.483	26.952	115.7	11.475	90.0	1480.3	3863.3	33.2
560.0	556.5	5.269	5.223	34.146	26.973	29.546	26.968	114.1	11.589	89.9	1480.1	3977.7	22.7
570.0	566.4	5.192	5.146	34.147	26.982	29.602	26.977	113.3	11.703	90.0	1480.0	4093.1	3.3
580.0	576.3	5.060	5.014	34.142	26.994	29.661	26.988	112.1	11.816	90.0	1479.6	4209.7	29.7
590.0	586.3	4.972	4.925	34.143	27.004	29.719	26.999	111.1	11.927	90.0	1479.4	4327.4	.7
600.0	596.2	4.923	4.876	34.149	27.015	29.776	27.009	110.2	12.038	90.1	1479.4	4446.2	21.8
610.0	606.1	4.878	4.830	34.156	27.025	29.833	27.020	109.2	12.148	90.0	1479.3	4566.1	8.6
620.0	616.0	4.830	4.781	34.169	27.042	29.896	27.036	107.8	12.256	89.8	1479.3	4687.0	11.5
630.0	625.9	4.739	4.689	34.179	27.059	29.960	27.054	106.1	12.363	90.0	1479.1	4809.0	12.4
640.0	635.8	4.687	4.637	34.188	27.073	30.020	27.067	104.9	12.468	90.0	1479.1	4932.0	7.4
650.0	645.7	4.632	4.582	34.202	27.090	30.084	27.084	103.2	12.572	90.0	1479.0	5056.1	10.9
660.0	655.6	4.610	4.559	34.213	27.101	30.141	27.095	102.3	12.675	89.9	1479.1	5181.2	12.7
670.0	665.5	4.563	4.511	34.226	27.117	30.203	27.111	100.9	12.776	90.0	1479.1	5307.3	9.4
680.0	675.5	4.523	4.470	34.230	27.124	30.257	27.118	100.2	12.877	90.0	1479.1	5434.4	6.8
690.0	685.4	4.499	4.446	34.236	27.131	30.310	27.125	99.6	12.977	90.0	1479.2	5562.5	4.2
700.0	695.3	4.486	4.432	34.243	27.139	30.364	27.133	99.0	13.076	89.6	1479.3	5691.5	19.7
710.0	705.2	4.456	4.401	34.257	27.153	30.425	27.147	97.6	13.174	90.0	1479.4	5821.5	3.6
720.0	715.1	4.431	4.376	34.266	27.163	30.480	27.157	96.8	13.272	89.8	1479.4	5952.5	6.2
730.0	725.0	4.416	4.360	34.271	27.169	30.532	27.163	96.3	13.368	90.0	1479.6	6084.5	20.0
740.0	734.9	4.382	4.325	34.279	27.179	30.589	27.173	95.4	13.464	89.9	1479.6	6217.4	1.9
750.0	744.8	4.349	4.292	34.289	27.190	30.646	27.184	94.4	13.559	89.9	1479.6	6351.2	1.3
760.0	754.7	4.337	4.279	34.292	27.194	30.696	27.188	94.1	13.653	89.9	1479.7	6485.9	9.5
770.0	764.6	4.297	4.239	34.304	27.207	30.756	27.201	92.9	13.747	89.9	1479.8	6621.6	6.5
780.0	774.5	4.270	4.211	34.311	27.216	30.811	27.210	92.1	13.839	89.9	1479.8	6758.2	10.4
790.0	784.4	4.238	4.178	34.320	27.227	30.868	27.221	91.2	13.931	89.9	1479.9	6895.7	8.0
800.0	794.3	4.228	4.167	34.325	27.231	30.918	27.225	90.8	14.022	90.0	1480.0	7034.1	8.9
810.0	804.2	4.184	4.123	34.333	27.243	30.976	27.236	89.7	14.112	89.9	1480.0	7173.3	9.8
820.0	814.1	4.158	4.096	34.338	27.250	31.029	27.243	89.2	14.202	89.9	1480.0	7313.5	7.7
830.0	824.0	4.151	4.089	34.346	27.257	31.082	27.250	88.6	14.291	89.9	1480.2	7454.5	9.5
840.0	833.9	4.117	4.054	34.355	27.268	31.140	27.261	87.5	14.379	89.8	1480.2	7596.4	9.8
850.0	843.8	4.094	4.030	34.361	27.275	31.193	27.269	86.9	14.466	89.8	1480.3	7739.2	3.1
860.0	853.7	4.082	4.018	34.364	27.279	31.242	27.272	86.6	14.553	89.9	1480.4	7882.8	4.8
870.0	863.6	4.048	3.983	34.371	27.288	31.298	27.281	85.8	14.639	89.8	1480.5	8027.3	7.8
880.0	873.5	4.028	3.962	34.376	27.294	31.350	27.287	85.3	14.724	89.9	1480.5	8172.6	10.4
890.0	883.4	3.990	3.924	34.384	27.304	31.406	27.297	84.4	14.809	89.8	1480.6	8318.7	8.1
900.0	893.3	3.975	3.908	34.388	27.308	31.457	27.301	84.0	14.894	89.8	1480.7	8465.7	1.9
910.0	903.2	3.941	3.873	34.397	27.319	31.514	27.312	83.0	14.977	89.7	1480.7	8613.5	7.2
920.0	913.1	3.931	3.863	34.399	27.322	31.563	27.315	82.9	15.060	89.9	1480.8	8762.1	6.9
930.0	923.0	3.902	3.833	34.406	27.331	31.618	27.323	82.1	15.143	89.9	1480.9	8911.5	11.6
940.0	932.9	3.879	3.809	34.411	27.337	31.670	27.330	81.5	15.224	89.9	1481.0	9061.7	6.6
950.0	942.8	3.862	3.791	34.415	27.342	31.721	27.335	81.1	15.306	90.0	1481.0	9212.8	9.6
960.0	952.7	3.829	3.758	34.423	27.352	31.778	27.345	80.2	15.386	89.8	1481.1	9364.6	7.5
970.0	962.5	3.819	3.747	34.425	27.355	31.826	27.347	80.0	15.466	89.9	1481.2	9517.2	4.3
980.0	972.4	3.805	3.732	34.429	27.359	31.876	27.352	79.6	15.546	89.9	1481.3	9670.6	4.0
990.0	982.3	3.789	3.716	34.432	27.363	31.927	27.356	79.3	15.625	90.0	1481.4	9824.7	3.1

Station 13 Latitude 32° 23.07'N Longitude 127° 35.94'W 23 Aug 1989 GMT 00:32 Bottom 3200 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.754	3.680	34.439	27.373	31.983	27.365	78.4	15.705	89.9	1481.4	9979.7	12.5
1020.0	1012.0	3.722	3.647	34.446	27.382	32.083	27.374	77.7	15.861	89.9	1481.7	10291.8	7.2
1040.0	1031.8	3.680	3.603	34.457	27.394	32.188	27.387	76.6	16.015	89.9	1481.8	10607.1	-.4
1060.0	1051.6	3.638	3.561	34.465	27.405	32.291	27.397	75.6	16.167	89.9	1482.0	10925.3	7.0
1080.0	1071.3	3.585	3.506	34.472	27.416	32.394	27.408	74.7	16.317	89.8	1482.1	11246.5	7.6
1100.0	1091.1	3.537	3.456	34.475	27.423	32.494	27.415	74.0	16.466	89.9	1482.2	11570.6	3.5
1120.0	1110.9	3.496	3.414	34.485	27.435	32.598	27.427	73.0	16.613	89.9	1482.4	11897.6	3.8
1140.0	1130.6	3.437	3.354	34.488	27.444	32.700	27.436	72.1	16.758	89.8	1482.5	12227.4	4.4
1160.0	1150.4	3.397	3.313	34.495	27.453	32.802	27.445	71.3	16.902	89.9	1482.7	12560.1	9.4
1180.0	1170.2	3.340	3.255	34.502	27.464	32.905	27.456	70.3	17.043	89.9	1482.8	12895.5	8.8
1200.0	1189.9	3.289	3.202	34.510	27.475	33.009	27.467	69.2	17.182	89.8	1482.9	13233.7	3.8
1220.0	1209.7	3.243	3.155	34.516	27.484	33.110	27.476	68.4	17.320	89.8	1483.0	13574.6	3.2
1240.0	1229.4	3.190	3.102	34.522	27.495	33.213	27.486	67.4	17.456	89.8	1483.1	13918.1	9.7
1260.0	1249.2	3.163	3.073	34.525	27.499	33.310	27.491	67.0	17.591	89.8	1483.4	14264.3	2.4
1280.0	1268.9	3.139	3.047	34.528	27.503	33.406	27.495	66.7	17.724	89.9	1483.6	14613.1	2.7
1300.0	1288.7	3.116	3.023	34.531	27.508	33.503	27.500	66.4	17.858	89.8	1483.8	14964.5	6.8
1320.0	1308.5	3.064	2.970	34.537	27.518	33.605	27.510	65.4	17.989	89.9	1483.9	15318.5	-1.4
1340.0	1328.2	3.015	2.920	34.542	27.527	33.706	27.518	64.6	18.120	89.9	1484.1	15675.0	10.3
1360.0	1347.9	2.978	2.881	34.546	27.533	33.805	27.525	64.0	18.248	89.9	1484.2	16034.1	-1.1
1380.0	1367.7	2.959	2.861	34.547	27.536	33.899	27.527	63.9	18.376	89.9	1484.5	16395.6	4.5
1400.0	1387.4	2.922	2.824	34.551	27.543	33.998	27.534	63.2	18.503	89.9	1484.7	16759.7	2.2
1420.0	1407.2	2.905	2.805	34.553	27.546	34.093	27.537	63.0	18.629	89.9	1484.9	17126.2	.7
1440.0	1426.9	2.889	2.787	34.554	27.549	34.187	27.540	62.8	18.755	89.9	1485.2	17495.1	5.4
1460.0	1446.7	2.828	2.725	34.561	27.560	34.291	27.551	61.7	18.880	89.8	1485.3	17866.5	8.6
1480.0	1466.4	2.822	2.717	34.564	27.562	34.384	27.553	61.6	19.003	89.8	1485.6	18240.3	1.3
1500.0	1486.1	2.782	2.677	34.567	27.569	34.483	27.559	61.0	19.126	89.9	1485.8	18616.5	3.1
1520.0	1505.8	2.752	2.645	34.570	27.573	34.580	27.564	60.5	19.247	89.8	1486.0	18995.0	1.1
1540.0	1525.6	2.719	2.611	34.573	27.579	34.677	27.570	60.0	19.368	89.8	1486.2	19375.9	.2
1560.0	1545.3	2.695	2.586	34.575	27.583	34.772	27.573	59.7	19.488	89.9	1486.4	19759.2	3.1
1580.0	1565.0	2.655	2.545	34.578	27.589	34.871	27.580	59.1	19.607	89.8	1486.6	20144.8	.5
1600.0	1584.8	2.623	2.511	34.581	27.594	34.968	27.584	58.7	19.725	89.8	1486.8	20532.6	2.0
1620.0	1604.5	2.592	2.479	34.583	27.598	35.064	27.589	58.2	19.841	89.8	1487.0	20922.7	2.9
1640.0	1624.2	2.555	2.440	34.586	27.604	35.161	27.594	57.7	19.957	89.9	1487.1	21315.1	4.6
1660.0	1643.9	2.530	2.414	34.587	27.607	35.257	27.597	57.4	20.073	89.8	1487.4	21709.8	1.7
1680.0	1663.6	2.490	2.373	34.590	27.612	35.354	27.602	56.9	20.187	89.9	1487.5	22106.6	1.7
1700.0	1683.3	2.476	2.358	34.591	27.615	35.447	27.604	56.7	20.300	89.8	1487.8	22505.7	2.3
1720.0	1703.0	2.434	2.314	34.593	27.620	35.546	27.611	56.1	20.413	89.8	1488.0	22906.9	2.1
1740.0	1722.8	2.405	2.284	34.596	27.625	35.642	27.615	55.7	20.525	89.8	1488.2	23310.3	.6
1760.0	1742.5	2.389	2.267	34.598	27.628	35.736	27.618	55.5	20.636	89.8	1488.4	23715.9	1.2
1780.0	1762.2	2.378	2.254	34.599	27.630	35.829	27.620	55.3	20.747	89.8	1488.7	24123.6	7.1
1800.0	1781.9	2.349	2.224	34.602	27.634	35.925	27.624	54.9	20.857	89.8	1488.9	24533.5	5.3
1820.0	1801.6	2.322	2.196	34.604	27.639	36.021	27.628	54.5	20.966	89.8	1489.2	24945.5	2.7
1840.0	1821.3	2.291	2.164	34.607	27.644	36.118	27.633	54.0	21.075	89.8	1489.4	25359.6	1.5
1860.0	1841.0	2.267	2.138	34.609	27.648	36.213	27.637	53.6	21.183	89.8	1489.6	25775.8	2.7
1880.0	1860.7	2.250	2.120	34.610	27.650	36.307	27.639	53.4	21.290	89.8	1489.9	26194.0	.4
1900.0	1880.3	2.235	2.103	34.612	27.653	36.401	27.642	53.2	21.396	89.8	1490.1	26614.4	3.3
1920.0	1900.0	2.214	2.081	34.613	27.655	36.494	27.645	53.0	21.503	89.8	1490.4	27036.7	4.2
1940.0	1919.7	2.164	2.030	34.616	27.662	36.593	27.651	52.3	21.608	89.8	1490.5	27461.2	4.5
1960.0	1939.4	2.155	2.019	34.620	27.666	36.688	27.655	51.9	21.712	89.9	1490.8	27887.6	.2
1980.0	1959.1	2.140	2.003	34.622	27.669	36.782	27.657	51.7	21.815	89.8	1491.1	28316.0	.8
2000.0	1978.8	2.109	1.970	34.622	27.671	36.876	27.660	51.4	21.918	89.8	1491.3	28746.5	3.7
2050.0	2028.0	2.084	1.942	34.626	27.677	37.108	27.666	51.0	22.174	89.8	1492.0	29831.2	1.7
2100.0	2077.2	2.046	1.900	34.630	27.683	37.341	27.671	50.5	22.428	89.8	1492.7	30928.2	1.4
2150.0	2126.4	2.002	1.852	34.635	27.691	37.576	27.679	49.7	22.678	89.8	1493.3	32037.4	2.7
2200.0	2175.5	1.968	1.815	34.637	27.695	37.807	27.683	49.4	22.926	89.8	1494.0	33158.5	2.1
2250.0	2224.7	1.937	1.780	34.640	27.701	38.038	27.688	48.9	23.171	89.8	1494.7	34291.5	1.0
2300.0	2273.8	1.890	1.729	34.645	27.708	38.273	27.696	48.2	23.414	89.8	1495.4	35436.3	4.5
2350.0	2323.0	1.869	1.704	34.646	27.711	38.501	27.699	48.0	23.655	89.8	1496.1	36592.6	1.1
2400.0	2372.1	1.823	1.655	34.651	27.718	38.735	27.706	47.3	23.893	89.8	1496.8	37760.5	3.7
2450.0	2421.2	1.808	1.635	34.653	27.722	38.962	27.709	47.1	24.129	89.8	1497.6	38939.7	1.1
2500.0	2470.3	1.780	1.604	34.655	27.726	39.192	27.713	46.8	24.364	89.8	1498.3	40130.2	-.9
2550.0	2519.4	1.753	1.572	34.657	27.730	39.421	27.717	46.4	24.597	89.8	1499.0	41331.9	.6
2600.0	2568.5	1.729	1.544	34.660	27.734	39.649	27.720	46.1	24.828	89.8	1499.8	42544.7	2.4
2650.0	2617.5	1.708	1.519	34.661	27.737	39.876	27.723	45.9	25.058	89.8	1500.5	43768.5	.4
2700.0	2666.6	1.684	1.491	34.665	27.742	40.105	27.728	45.5	25.286	89.8	1501.3	45003.3	-.4
2750.0	2715.6	1.674	1.476	34.665	27.743	40.329	27.729	45.5	25.514	89.8	1502.1	46249.0	2.0
2800.0	2764.7	1.657	1.456	34.666	27.745	40.555	27.730	45.4	25.740	89.8	1502.8	47505.5	1.4
2850.0	2813.7	1.623	1.417	34.670	27.751	40.785	27.736	44.8	25.966	89.8	1503.5	48772.8	.0
2900.0	2862.7	1.608	1.398	34.672	27.754	41.011	27.739	44.6	26.189	89.8	1504.3	50050.9	.4
2950.0	2911.7	1.597	1.382	34.672	27.756	41.234	27.740	44.5	26.412	89.8	1505.1	51339.6	-.2
3000.0	2960.7	1.579	1.360	34.674	27.759	41.460	27.743	44.3	26.634	89.8	1505.9	52638.9	.4
3026.0	2986.1	1.577	1.355	34.674	27.759	41.575	27.743	44.4	26.749	89.8	1506.3	53318.7	.0

Station 14 Latitude 32° 24.03'N Longitude 127° 41.19'W 23 Aug 1989 GMT 03:01 Bottom 1350 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.331	19.331	33.436	23.743	23.743	23.743	414.5	.000	89.3	1518.4	.0	.0
10.0	10.0	19.330	19.328	33.440	23.747	23.790	23.747	414.5	.415	89.3	1518.6	2.1	-2.8
20.0	19.9	19.190	19.186	33.447	23.788	23.875	23.788	410.9	.828	89.3	1518.4	8.3	30.7
30.0	29.9	19.155	19.149	33.463	23.810	23.940	23.809	409.2	1.238	89.3	1518.5	18.6	14.8
40.0	39.9	19.456	19.449	33.817	24.004	24.177	24.002	391.1	1.638	89.2	1519.9	32.9	412.0
50.0	49.8	18.003	17.995	34.024	24.527	24.745	24.525	341.6	2.001	89.2	1516.2	51.1	404.2
60.0	59.8	17.305	17.295	34.050	24.716	24.978	24.714	323.9	2.332	89.3	1514.3	72.7	157.9
70.0	69.8	16.867	16.855	34.043	24.815	25.121	24.812	314.7	2.651	89.4	1513.1	97.5	45.1
80.0	79.7	16.905	16.892	34.120	24.866	25.215	24.862	310.3	2.964	89.6	1513.5	125.4	65.3
90.0	89.7	16.583	16.569	34.114	24.936	25.330	24.933	303.9	3.270	89.6	1512.7	156.5	46.8
100.0	99.6	16.468	16.452	34.144	24.986	25.425	24.983	299.4	3.572	89.7	1512.5	190.6	76.4
110.0	109.6	16.181	16.163	34.153	25.060	25.542	25.056	292.7	3.870	89.4	1511.8	227.6	140.7
120.0	119.6	15.854	15.835	34.128	25.115	25.642	25.111	287.7	4.159	89.7	1511.0	267.6	22.1
130.0	129.5	15.048	15.029	34.039	25.226	25.799	25.222	277.3	4.444	89.8	1508.5	310.4	141.1
140.0	139.4	14.682	14.661	33.992	25.269	25.887	25.265	273.4	4.719	89.8	1507.4	356.0	75.8
150.0	149.4	14.146	14.124	33.949	25.350	26.013	25.345	265.9	4.988	90.0	1505.8	404.3	126.6
160.0	159.4	13.462	13.439	33.943	25.487	26.196	25.482	253.0	5.246	90.0	1503.7	455.2	55.7
170.0	169.3	12.971	12.948	33.905	25.556	26.311	25.551	246.5	5.496	90.1	1502.2	508.6	37.7
180.0	179.3	12.282	12.258	33.866	25.660	26.462	25.655	236.7	5.737	90.1	1499.9	564.5	61.9
190.0	189.2	11.799	11.775	33.827	25.721	26.570	25.716	231.0	5.971	90.2	1498.4	622.7	64.1
200.0	199.1	10.876	10.851	33.782	25.854	26.751	25.849	218.3	6.197	90.2	1495.2	683.2	85.9
210.0	209.1	10.010	9.986	33.790	26.010	26.956	26.006	203.3	6.411	90.2	1492.3	745.9	207.9
220.0	219.0	9.893	9.868	33.795	26.034	27.025	26.029	201.2	6.613	90.2	1492.0	810.6	15.5
230.0	229.0	9.460	9.434	33.864	26.159	27.197	26.155	189.4	6.810	90.2	1490.7	877.4	64.3
240.0	238.9	9.277	9.251	33.905	26.221	27.305	26.217	183.6	6.997	90.2	1490.2	946.0	52.3
250.0	248.8	8.957	8.930	33.950	26.307	27.438	26.303	175.5	7.175	90.2	1489.3	1016.4	12.1
260.0	258.8	8.833	8.806	33.947	26.325	27.501	26.320	173.9	7.350	90.2	1488.9	1088.6	18.2
270.0	268.7	8.641	8.613	33.948	26.355	27.578	26.351	171.2	7.523	90.2	1488.4	1162.4	108.1
280.0	278.6	8.212	8.184	33.989	26.453	27.724	26.448	161.8	7.688	90.2	1487.0	1238.0	60.6
290.0	288.6	8.120	8.090	33.992	26.468	27.785	26.464	160.5	7.849	90.1	1486.8	1315.2	14.3
300.0	298.5	8.063	8.033	33.993	26.479	27.841	26.474	159.7	8.009	90.2	1486.7	1393.9	6.1
310.0	308.4	7.771	7.741	34.004	26.530	27.940	26.525	154.8	8.167	90.1	1485.8	1474.3	33.0
320.0	318.4	7.686	7.655	34.003	26.542	27.997	26.537	153.8	8.322	90.2	1485.6	1556.1	2.8
330.0	328.3	7.494	7.462	34.003	26.569	28.072	26.565	151.2	8.475	90.1	1485.0	1639.5	21.2
340.0	338.2	7.368	7.335	33.999	26.584	28.133	26.580	149.9	8.625	90.1	1484.7	1724.4	61.6
350.0	348.1	7.121	7.088	34.000	26.619	28.215	26.614	146.5	8.773	90.1	1483.9	1810.8	32.6
360.0	358.1	6.929	6.896	33.997	26.643	28.287	26.639	144.2	8.918	90.1	1483.3	1898.6	6.5
370.0	368.0	6.803	6.769	34.001	26.664	28.354	26.659	142.4	9.061	90.1	1483.0	1987.8	52.4
380.0	377.9	6.578	6.544	34.004	26.696	28.434	26.691	139.3	9.202	90.0	1482.3	2078.5	18.1
390.0	387.9	6.417	6.382	34.004	26.717	28.501	26.712	137.3	9.340	90.1	1481.8	2170.5	21.9
400.0	397.8	6.333	6.298	34.006	26.729	28.560	26.724	136.3	9.477	90.1	1481.6	2263.9	3.7
410.0	407.7	6.315	6.278	34.005	26.731	28.608	26.726	136.2	9.613	90.0	1481.7	2358.6	.2
420.0	417.6	6.264	6.227	34.003	26.736	28.659	26.732	135.8	9.749	90.0	1481.7	2454.7	5.8
430.0	427.6	6.180	6.143	34.003	26.747	28.716	26.742	134.8	9.884	90.0	1481.5	2552.1	6.1
440.0	437.5	6.143	6.105	34.001	26.750	28.766	26.746	134.6	10.019	90.0	1481.5	2650.9	4.3
450.0	447.4	5.931	5.893	34.015	26.788	28.851	26.783	131.0	10.152	89.9	1480.8	2750.9	43.8
460.0	457.3	5.892	5.853	34.022	26.799	28.908	26.794	130.0	10.283	89.9	1480.9	2852.3	12.8
470.0	467.2	5.862	5.822	34.042	26.819	28.974	26.813	128.3	10.412	90.0	1480.9	2955.0	6.0
480.0	477.2	5.833	5.793	34.045	26.824	29.025	26.819	127.8	10.540	89.9	1481.0	3058.9	24.5
490.0	487.1	5.708	5.667	34.062	26.853	29.101	26.848	125.1	10.666	89.9	1480.7	3164.1	14.5
500.0	497.0	5.700	5.658	34.072	26.862	29.156	26.857	124.4	10.791	89.9	1480.8	3270.5	4.3
510.0	506.9	5.609	5.566	34.082	26.881	29.222	26.876	122.6	10.915	89.9	1480.6	3378.1	45.5
520.0	516.8	5.490	5.447	34.100	26.910	29.298	26.904	119.9	11.036	89.9	1480.3	3487.0	16.0
530.0	526.8	5.386	5.343	34.114	26.933	29.368	26.928	117.7	11.155	89.9	1480.1	3597.0	29.1
540.0	536.7	5.289	5.245	34.122	26.951	29.432	26.945	116.0	11.272	90.0	1479.8	3708.2	13.9
550.0	546.6	5.254	5.209	34.127	26.959	29.487	26.954	115.3	11.388	90.0	1479.9	3820.6	8.9
560.0	556.5	5.239	5.193	34.132	26.965	29.539	26.960	114.8	11.503	90.0	1480.0	3934.0	4.8
570.0	566.4	5.198	5.151	34.137	26.973	29.594	26.968	114.1	11.617	89.9	1480.0	4048.7	7.4
580.0	576.3	5.065	5.019	34.152	27.001	29.669	26.996	111.5	11.731	90.0	1479.6	4164.4	32.9
590.0	586.3	5.041	4.994	34.152	27.004	29.717	26.998	111.3	11.842	89.9	1479.7	4281.2	7.4
600.0	596.2	5.026	4.977	34.154	27.008	29.767	27.002	111.0	11.953	90.0	1479.8	4399.2	4.5
610.0	606.1	5.023	4.975	34.156	27.009	29.814	27.003	111.0	12.064	89.9	1479.9	4518.2	2.2
620.0	616.0	5.031	4.981	34.167	27.017	29.867	27.011	110.4	12.175	90.0	1480.2	4638.3	17.1
630.0	625.9	4.981	4.931	34.162	27.019	29.916	27.013	110.2	12.285	90.0	1480.1	4759.6	6.3
640.0	635.8	4.924	4.873	34.176	27.037	29.980	27.031	108.6	12.394	89.9	1480.1	4881.9	16.8
650.0	645.7	4.884	4.832	34.182	27.046	30.036	27.040	107.8	12.503	90.0	1480.1	5005.2	14.2
660.0	655.6	4.832	4.780	34.190	27.058	30.094	27.052	106.7	12.610	89.9	1480.0	5129.7	6.0
670.0	665.5	4.747	4.694	34.198	27.074	30.158	27.068	105.1	12.715	89.9	1479.8	5255.1	49.3
680.0	675.4	4.589	4.536	34.231	27.117	30.249	27.112	100.9	12.818	89.9	1479.4	5381.6	30.2
690.0	685.3	4.562	4.509	34.238	27.126	30.304	27.120	100.2	12.918	89.9	1479.5	5509.1	15.3
700.0	695.3	4.501	4.447	34.257	27.148	30.373	27.142	98.1	13.017	89.9	1479.4	5637.6	7.4
710.0	705.2	4.472	4.418	34.263	27.156	30.427	27.150	97.4	13.115	89.9	1479.5	5767.0	3.3
720.0	715.1	4.454	4.398	34.268	27.162	30.479	27.156	96.9	13.212	90.0	1479.5	5897.4	17.1
730.0	725.0	4.382	4.326	34.286	27.184	30.548	27.178	94.8	13.308	89.9	1479.4	6028.8	7.1
740.0	734.9	4.344	4.287	34.297	27.197	30.607	27.191	93.6	13.402	89.9	1479.5	6161.1	9.2
750.0	744.8	4.321	4.264	34.302	27.204	30.660	27.197	93.1	13.496	90.0	1479.5	6294.3	4.5
760.0	754.7	4.316	4.258	34.303	27.204	30.706	27.198	93.1	13.589	89.9	1479.7	6428.4	.4
770.0	764.6	4.310	4.252	34.304	27.206	30.754	27.200	93.0	13.682	89.9	1479.8	6563.4	8.6
780.0	774.5	4.290	4.231	34.309	27.212	30.807	27.206	92.5	13.774	89.8	1479.9	6699.3	7.1
790.0	784.4	4.246	4.186	34.321	27.226	30.867	27.220	91.2	13.866	90.0	1479.9	6836.2	9.2
800.0	794.3	4.210	4.149	34.331	27.239	30.926	27.232	90.1	13.957	89.9	1479.9	6973.9	5.4
810.0	804.2	4.172	4.111	34.343	27.252	30.985	27.245	88.9	14.046	89.9	1479.9	7112.6	30.3
820.0	814.1	4.142	4.081	34.349	27.260	31.040	27.254	88.1	14.135	89.9	1480.0	7252.1	.7
830.0	824.0	4.115	4.053	34.356	27.268	31.094	27.261	87.5	14.222	89.9	1480.1	7392.4	10.1
840.0	833.9	4.068	4.005	34.366	27.281	31.154	27.275	86.2	14.309	90.0	1480.0	7533.7	11.3
850.0	843.8	4.045	3.981	34.370	27.287	31.206	27.281	85.7	14.395	89.9	1480.1	7675.7	.7
860.0	853.7	4.036	3.971	34.372	27.289	31.254	27.283	85.6	14.481	89.9	1480.2	7818.6	-1.0
870.0	863.6	4.028	3.963	34.373	27.291	31.302	27.285	85.5	14.566	89.9	1480.4	7962.4	5.4
880.0	873.5	4.003	3.937	34.379	27.299	31.355	27.292	84.8	14.652	89.8	1480.4	8107.0	10.4
890.0	883.4	3.958	3.892	34.390	27.312	31.415	27.305	83.6	14.736	89.8	1480.4	8252.4	13.0
900.0	893.3	3.925	3.858	34.398	27.322	31.472	27.315	82.7	14.819	89.9	1480.5	8398.6	6.9
910.0	903.2	3.899	3.831	34.404	27.330	31.525	27.322	82.0	14.901	89.9	1480.5	8545.7	-.1
920.0	913.1	3.883	3.815	34.408	27.334	31.576	27.327	81.6	14.983	89.9	1480.6	8693.5	2.8
930.0	923.0	3.875	3.806	34.409	27.336	31.624	27.329	81.5	15.065	89.9	1480.8	8842.2	-.4
940.0	932.9	3.865	3.795	34.412	27.339	31.673	27.332	81.3	15.146	89.9	1480.9	8991.6	-.4
950.0	942.8	3.863	3.793	34.412	27.339	31.718	27.332	81.4	15.227	89.8	1481.0	9141.9	-.7
960.0	952.6	3.842	3.770	34.418	27.347	31.772	27.340	80.7	15.309	89.8	1481.1	9292.9	6.6
970.0	962.5	3.825	3.753	34.422	27.351	31.823	27.344	80.3	15.389	89.9	1481.2	9444.8	-.7
980.0	972.4	3.800	3.728	34.428	27.358	31.876	27.351	79.7	15.469	89.9	1481.3	9597.4	26.3
990.0	982.3	3.763	3.690	34.435	27.368	31.932	27.361	78.8	15.548	89.9	1481.3	9750.8	-.4

Station 14 Latitude 32° 24.03'N Longitude 127° 41.19'W 23 Aug 1989 GMT 03:01 Bottom 1350 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
1000.0	992.2	3.743	3.669	34.439	27.374	31.984	27.366	78.3	15.627	89.9	1481.4	9905.0	.8
1020.0	1012.0	3.712	3.637	34.446	27.382	32.084	27.374	77.6	15.783	89.9	1481.6	10215.6	10.2
1040.0	1031.8	3.630	3.554	34.457	27.399	32.194	27.392	76.0	15.936	89.9	1481.6	10529.3	11.3
1060.0	1051.5	3.544	3.467	34.473	27.420	32.309	27.413	74.0	16.086	89.8	1481.6	10845.9	6.4
1080.0	1071.3	3.504	3.426	34.479	27.429	32.410	27.421	73.2	16.233	89.9	1481.8	11165.5	4.9
1100.0	1091.1	3.460	3.380	34.485	27.438	32.512	27.431	72.4	16.379	89.9	1481.9	11487.9	.8
1120.0	1110.9	3.456	3.375	34.486	27.440	32.604	27.431	72.4	16.524	89.9	1482.2	11813.1	2.0
1140.0	1130.6	3.411	3.329	34.492	27.449	32.706	27.441	71.5	16.667	89.9	1482.4	12141.1	7.0
1160.0	1150.4	3.352	3.268	34.500	27.461	32.811	27.454	70.4	16.810	89.8	1482.5	12472.0	14.0
1180.0	1170.2	3.281	3.197	34.510	27.476	32.918	27.468	69.0	16.948	89.8	1482.5	12805.6	1.4
1200.0	1189.9	3.248	3.162	34.514	27.482	33.017	27.474	68.5	17.086	89.8	1482.7	13141.9	2.3
1210.0	1199.8	3.224	3.138	34.517	27.487	33.068	27.478	68.1	17.155	89.8	1482.8	13311.0	.0

Station 15 Latitude 32° 26.05'N Longitude 127° 45.92'W 23 Aug 1989 GMT 04:35 Bottom 480 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
.0	.0	19.374	19.374	33.475	23.762	23.762	23.762	412.8	.000	89.3	1518.6	.0	.0
10.0	10.0	19.378	19.376	33.474	23.761	23.804	23.760	413.2	.413	89.6	1518.8	2.1	2.2
20.0	19.9	19.317	19.314	33.506	23.801	23.888	23.800	409.7	.825	89.4	1518.8	8.2	54.7
30.0	29.9	19.338	19.333	33.547	23.827	23.958	23.826	407.6	1.234	89.5	1519.1	18.5	31.0
40.0	39.9	19.566	19.559	33.745	23.920	24.094	23.919	399.1	1.638	89.4	1520.1	32.8	84.7
50.0	49.8	19.591	19.582	33.798	23.955	24.172	23.953	396.2	2.035	89.4	1520.4	51.1	4.2
60.0	59.8	19.452	19.441	33.891	24.062	24.322	24.059	386.3	2.429	89.4	1520.3	73.4	314.5
70.0	69.8	18.621	18.609	34.031	24.380	24.685	24.377	356.3	2.801	89.5	1518.3	99.5	356.6
80.0	79.7	17.306	17.292	34.024	24.697	25.046	24.694	326.3	3.138	89.7	1514.6	129.1	121.9
90.0	89.7	16.904	16.889	34.055	24.816	25.209	24.813	315.3	3.458	89.7	1513.6	161.9	53.9
100.0	99.7	16.664	16.648	34.101	24.908	25.346	24.904	306.9	3.769	89.8	1513.1	197.9	93.7
110.0	109.6	16.448	16.431	34.144	24.991	25.473	24.987	299.2	4.072	89.8	1512.6	236.9	101.5
120.0	119.6	16.037	16.018	34.136	25.080	25.606	25.075	291.1	4.366	89.8	1511.5	279.0	48.2
130.0	129.5	14.774	14.755	33.981	25.240	25.814	25.236	275.9	4.651	90.1	1507.5	323.8	182.7
140.0	139.5	14.002	13.982	33.904	25.344	25.964	25.340	266.1	4.921	90.2	1505.1	371.5	25.9
150.0	149.4	13.232	13.212	33.830	25.445	26.111	25.441	256.6	5.183	90.3	1502.6	421.7	22.2
160.0	159.4	13.094	13.072	33.867	25.501	26.212	25.497	251.5	5.437	90.4	1502.4	474.6	23.1
170.0	169.3	12.078	12.056	33.838	25.676	26.435	25.672	234.8	5.681	90.5	1499.0	529.9	140.6
180.0	179.3	11.791	11.769	33.831	25.725	26.529	25.721	230.3	5.912	90.5	1498.2	587.5	26.1
190.0	189.2	10.870	10.847	33.785	25.857	26.710	25.853	217.7	6.136	90.5	1495.1	647.4	43.2
200.0	199.1	10.682	10.658	33.771	25.880	26.778	25.875	215.7	6.353	90.5	1494.5	709.5	57.5
210.0	209.1	10.106	10.082	33.762	25.972	26.917	25.968	206.9	6.565	90.5	1492.6	773.8	110.7
220.0	219.0	9.742	9.717	33.816	26.075	27.067	26.071	197.2	6.768	90.5	1491.5	840.0	83.1
230.0	229.0	9.693	9.668	33.823	26.089	27.126	26.084	196.1	6.965	90.6	1491.5	908.3	57.0
240.0	238.9	9.430	9.403	33.867	26.166	27.250	26.162	188.9	7.156	90.6	1490.7	978.5	8.9
250.0	248.9	9.336	9.309	33.901	26.208	27.337	26.204	185.0	7.343	90.5	1490.6	1050.5	110.0
260.0	258.8	8.872	8.844	33.938	26.311	27.488	26.307	175.2	7.524	90.5	1489.1	1124.4	134.2
270.0	268.7	8.826	8.798	33.980	26.352	27.574	26.347	171.6	7.697	90.5	1489.1	1200.0	32.6
280.0	278.6	8.556	8.527	33.998	26.408	27.677	26.403	166.3	7.865	90.5	1488.3	1277.3	.6
290.0	288.6	8.363	8.333	34.002	26.440	27.755	26.435	163.3	8.030	90.5	1487.7	1356.2	42.2
300.0	298.5	8.250	8.220	34.002	26.457	27.819	26.453	161.8	8.193	90.4	1487.5	1436.8	13.7
310.0	308.5	8.012	7.981	34.002	26.493	27.902	26.489	158.4	8.353	90.4	1486.7	1519.0	58.8
320.0	318.4	7.779	7.747	34.005	26.530	27.985	26.525	155.0	8.509	90.4	1486.0	1602.7	26.5
330.0	328.3	7.558	7.526	34.002	26.559	28.061	26.555	152.2	8.663	90.4	1485.3	1687.9	53.7
340.0	338.2	7.489	7.456	34.000	26.568	28.116	26.563	151.5	8.815	90.4	1485.2	1774.7	6.6
350.0	348.2	7.317	7.284	34.000	26.592	28.186	26.587	149.3	8.966	90.5	1484.7	1863.0	8.6
360.0	358.1	7.062	7.028	33.998	26.626	28.268	26.621	146.0	9.114	90.4	1483.8	1952.7	54.5
370.0	368.0	6.860	6.826	33.999	26.654	28.344	26.650	143.3	9.259	90.4	1483.2	2043.9	23.4
380.0	378.0	6.671	6.636	34.000	26.681	28.417	26.676	140.9	9.401	90.4	1482.6	2136.6	30.4
390.0	387.9	6.515	6.480	34.007	26.706	28.490	26.702	138.4	9.540	90.4	1482.2	2230.6	28.7
400.0	397.8	6.302	6.267	34.016	26.741	28.573	26.737	135.1	9.677	90.4	1481.5	2325.9	-4.5
410.0	407.7	6.233	6.197	34.020	26.753	28.631	26.749	134.0	9.811	90.3	1481.4	2422.6	18.1
420.0	417.6	6.177	6.140	34.020	26.761	28.685	26.756	133.4	9.945	90.3	1481.3	2520.7	2.8
430.0	427.6	6.165	6.127	34.019	26.762	28.731	26.757	133.4	10.078	90.3	1481.5	2620.0	14.0
440.0	437.5	6.083	6.045	34.021	26.773	28.789	26.768	132.4	10.211	90.2	1481.3	2720.7	23.3
450.0	447.4	6.025	5.986	34.022	26.782	28.844	26.777	131.6	10.343	90.3	1481.2	2822.6	.0

Station 16 Latitude 32° 29.17'N Longitude 127° 50.68'W 23 Aug 1989 GMT 05:53 Bottom 1625 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.602	19.602	33.621	23.815	23.815	23.815	407.7	.000	89.4	1519.4	.0	.0
10.0	10.0	19.608	19.606	33.635	23.824	23.868	23.824	407.2	.408	89.3	1519.6	2.0	44.4
20.0	19.9	19.618	19.614	33.746	23.907	23.994	23.906	399.6	.811	89.3	1519.9	8.1	113.8
30.0	29.9	19.618	19.613	33.785	23.938	24.067	23.936	397.1	1.209	89.4	1520.1	18.2	29.6
40.0	39.9	19.619	19.612	33.810	23.956	24.130	23.955	395.7	1.605	89.4	1520.3	32.2	3.3
50.0	49.8	19.579	19.570	33.814	23.971	24.187	23.968	394.7	2.000	89.4	1520.4	50.2	56.6
60.0	59.8	18.664	18.654	34.041	24.376	24.637	24.374	356.3	2.376	89.4	1518.2	72.0	337.3
70.0	69.8	17.821	17.809	34.099	24.629	24.935	24.627	332.5	2.718	89.5	1516.0	97.4	166.4
80.0	79.7	17.272	17.258	34.084	24.751	25.100	24.748	321.2	3.044	89.6	1514.6	126.1	75.6
90.0	89.7	16.812	16.797	34.102	24.873	25.267	24.870	309.9	3.359	89.7	1513.4	158.0	94.6
100.0	99.7	16.481	16.465	34.096	24.946	25.384	24.943	303.2	3.665	89.6	1512.5	193.0	60.8
110.0	109.6	16.107	16.090	34.129	25.058	25.540	25.054	292.9	3.963	89.7	1511.6	230.9	97.1
120.0	119.6	15.377	15.358	34.049	25.161	25.689	25.157	283.2	4.252	89.9	1509.4	271.8	75.0
130.0	129.5	15.134	15.115	34.072	25.232	25.804	25.228	276.7	4.531	89.9	1508.8	315.6	73.5
140.0	139.5	14.003	13.983	33.903	25.343	25.963	25.339	266.2	4.803	90.1	1505.1	362.0	70.4
150.0	149.4	13.308	13.287	33.832	25.431	26.097	25.427	257.9	5.065	90.2	1502.9	411.1	23.7
160.0	159.4	13.143	13.121	33.829	25.462	26.173	25.458	255.1	5.321	90.2	1502.5	462.8	81.1
170.0	169.3	12.676	12.654	33.859	25.578	26.334	25.573	244.4	5.571	90.2	1501.1	517.0	95.9
180.0	179.3	11.954	11.931	33.831	25.695	26.498	25.690	233.3	5.812	90.3	1498.8	573.6	166.1
190.0	189.2	11.242	11.219	33.799	25.801	26.652	25.797	223.1	6.041	90.3	1496.4	632.5	120.0
200.0	199.1	10.690	10.666	33.784	25.888	26.786	25.884	214.9	6.259	90.4	1494.6	693.7	35.8
210.0	209.1	10.114	10.089	33.786	25.990	26.935	25.986	205.2	6.469	90.4	1492.7	756.9	33.7
220.0	219.0	9.778	9.754	33.812	26.066	27.058	26.062	198.1	6.671	90.4	1491.6	822.3	160.4
230.0	229.0	9.406	9.381	33.875	26.176	27.215	26.172	187.7	6.862	90.3	1490.5	889.5	50.2
240.0	238.9	9.132	9.106	33.904	26.243	27.329	26.239	181.4	7.047	90.4	1489.7	958.6	59.3
250.0	248.8	9.042	9.015	33.932	26.280	27.410	26.276	178.1	7.227	90.4	1489.5	1029.5	81.2
260.0	258.8	8.769	8.741	33.946	26.334	27.511	26.330	173.0	7.402	90.3	1488.7	1102.2	37.8
270.0	268.7	8.674	8.645	33.945	26.348	27.571	26.344	171.8	7.575	90.3	1488.5	1176.6	56.8
280.0	278.6	8.433	8.404	33.963	26.399	27.668	26.394	167.1	7.743	90.3	1487.8	1252.7	22.2
290.0	288.6	8.308	8.278	33.971	26.425	27.740	26.420	164.7	7.909	90.3	1487.5	1330.4	6.1
300.0	298.5	8.135	8.104	33.979	26.457	27.819	26.452	161.8	8.072	90.2	1487.0	1409.8	26.9
310.0	308.4	8.030	7.998	33.988	26.479	27.887	26.475	159.8	8.233	90.3	1486.8	1490.8	21.3
320.0	318.4	7.878	7.846	33.993	26.506	27.960	26.501	157.3	8.391	90.3	1486.4	1573.3	30.7
330.0	328.3	7.731	7.699	33.998	26.531	28.032	26.526	155.0	8.547	90.3	1486.0	1657.4	26.5
340.0	338.2	7.563	7.530	34.001	26.558	28.105	26.553	152.5	8.701	90.2	1485.5	1743.1	20.1
350.0	348.2	7.369	7.335	33.999	26.584	28.178	26.579	150.1	8.852	90.2	1484.9	1830.2	27.6
360.0	358.1	7.196	7.162	34.000	26.609	28.250	26.604	147.8	9.001	90.2	1484.4	1918.8	31.4
370.0	368.0	7.029	6.995	33.999	26.631	28.319	26.626	145.7	9.147	90.2	1483.9	2008.9	9.1
380.0	377.9	6.911	6.876	33.997	26.646	28.381	26.641	144.3	9.293	90.2	1483.6	2100.4	4.7
390.0	387.9	6.827	6.791	34.000	26.660	28.441	26.655	143.1	9.436	90.2	1483.4	2193.4	14.4
400.0	397.8	6.715	6.678	34.001	26.675	28.503	26.670	141.7	9.579	90.1	1483.1	2287.8	25.8
410.0	407.7	6.600	6.563	33.996	26.687	28.561	26.682	140.6	9.720	90.1	1482.8	2383.5	23.7
420.0	417.6	6.460	6.423	33.999	26.707	28.628	26.702	138.7	9.860	90.1	1482.4	2480.7	21.3
430.0	427.6	6.296	6.258	34.004	26.733	28.701	26.728	136.3	9.997	90.2	1482.0	2579.2	11.7
440.0	437.5	6.224	6.185	34.008	26.745	28.760	26.740	135.2	10.133	90.2	1481.8	2679.1	2.9
450.0	447.4	6.027	5.988	34.017	26.777	28.840	26.772	132.1	10.267	90.1	1481.2	2780.3	33.3
460.0	457.3	6.005	5.965	34.021	26.784	28.892	26.778	131.6	10.399	90.1	1481.3	2882.8	16.6
470.0	467.3	5.971	5.930	34.048	26.809	28.963	26.804	129.3	10.529	90.1	1481.4	2986.7	28.6
480.0	477.2	5.797	5.756	34.047	26.830	29.032	26.825	127.2	10.657	90.1	1480.8	3091.7	9.2
490.0	487.1	5.754	5.713	34.049	26.837	29.085	26.832	126.7	10.784	90.1	1480.8	3198.1	11.6
500.0	497.0	5.786	5.744	34.077	26.855	29.148	26.850	125.2	10.910	90.1	1481.1	3305.7	14.0
510.0	506.9	5.720	5.677	34.081	26.867	29.206	26.861	124.1	11.035	90.0	1481.1	3414.5	20.1
520.0	516.8	5.682	5.638	34.104	26.890	29.275	26.885	122.0	11.157	90.0	1481.1	3524.6	15.1
530.0	526.8	5.600	5.556	34.105	26.901	29.333	26.896	121.0	11.279	90.1	1480.9	3635.8	8.4
540.0	536.7	5.360	5.315	34.090	26.917	29.398	26.912	119.3	11.399	90.1	1480.1	3748.3	10.7
550.0	546.6	5.386	5.340	34.106	26.927	29.453	26.922	118.5	11.518	90.1	1480.4	3861.9	23.6
560.0	556.5	5.301	5.255	34.117	26.946	29.519	26.940	116.7	11.635	90.0	1480.2	3976.7	2.2
570.0	566.4	5.277	5.230	34.132	26.961	29.580	26.955	115.4	11.751	90.1	1480.3	4092.6	4.8
580.0	576.3	5.218	5.171	34.136	26.971	29.636	26.965	114.6	11.866	90.1	1480.2	4209.7	13.0
590.0	586.3	5.108	5.060	34.139	26.986	29.699	26.981	113.0	11.980	90.1	1479.9	4327.9	9.8
600.0	596.2	5.063	5.015	34.143	26.994	29.753	26.989	112.3	12.093	90.0	1479.9	4447.2	2.2
610.0	606.1	5.060	5.011	34.151	27.001	29.806	26.996	111.8	12.205	90.1	1480.1	4567.6	7.2
620.0	616.0	4.986	4.936	34.152	27.010	29.862	27.004	110.9	12.316	90.1	1480.0	4689.2	27.6
630.0	625.9	4.913	4.863	34.165	27.029	29.928	27.024	109.2	12.426	90.0	1479.8	4811.8	13.0
640.0	635.8	4.861	4.810	34.171	27.039	29.984	27.034	108.2	12.535	90.0	1479.8	4935.5	8.9
650.0	645.7	4.803	4.752	34.180	27.053	30.045	27.048	107.0	12.642	90.0	1479.7	5060.2	2.7
660.0	655.6	4.757	4.705	34.187	27.064	30.102	27.059	106.0	12.749	90.1	1479.7	5186.0	4.8
670.0	665.5	4.738	4.686	34.189	27.068	30.152	27.062	105.7	12.854	90.0	1479.8	5312.9	4.5
680.0	675.5	4.649	4.596	34.204	27.090	30.221	27.084	103.6	12.959	90.1	1479.6	5440.8	17.4
690.0	685.4	4.646	4.592	34.214	27.098	30.274	27.092	103.0	13.063	90.0	1479.8	5569.7	5.7
700.0	695.3	4.639	4.584	34.222	27.105	30.328	27.099	102.4	13.165	90.0	1479.9	5699.6	8.0
710.0	705.2	4.619	4.564	34.226	27.111	30.379	27.105	101.9	13.267	90.1	1480.0	5830.5	12.1
720.0	715.1	4.580	4.524	34.234	27.122	30.437	27.116	100.9	13.369	90.0	1480.0	5962.5	9.5
730.0	725.0	4.558	4.502	34.237	27.127	30.487	27.120	100.5	13.469	90.0	1480.1	6095.4	1.9
740.0	734.9	4.509	4.451	34.247	27.140	30.548	27.134	99.3	13.569	90.1	1480.1	6229.3	11.3
750.0	744.8	4.499	4.441	34.253	27.145	30.599	27.139	98.9	13.668	90.0	1480.2	6364.2	11.6
760.0	754.7	4.454	4.396	34.267	27.162	30.661	27.155	97.4	13.766	90.1	1480.2	6500.0	2.5
770.0	764.6	4.448	4.388	34.268	27.163	30.709	27.157	97.3	13.864	90.0	1480.3	6636.9	3.9
780.0	774.5	4.374	4.314	34.293	27.191	30.783	27.184	94.7	13.960	90.1	1480.2	6774.6	29.1
790.0	784.4	4.337	4.276	34.304	27.203	30.842	27.197	93.5	14.054	90.0	1480.3	6913.3	8.9
800.0	794.3	4.299	4.238	34.313	27.215	30.900	27.209	92.5	14.147	90.0	1480.3	7053.0	11.6
810.0	804.2	4.268	4.206	34.319	27.223	30.955	27.217	91.7	14.240	90.0	1480.3	7193.5	16.8
820.0	814.1	4.241	4.178	34.326	27.232	31.010	27.225	91.0	14.331	90.0	1480.4	7334.9	7.5
830.0	824.0	4.201	4.139	34.334	27.242	31.066	27.235	90.1	14.421	90.0	1480.4	7477.2	6.0
840.0	833.9	4.181	4.118	34.342	27.250	31.121	27.244	89.3	14.511	90.0	1480.5	7620.4	9.8
850.0	843.8	4.159	4.095	34.345	27.256	31.172	27.249	88.9	14.600	90.0	1480.6	7764.5	4.8
860.0	853.7	4.121	4.056	34.354	27.266	31.229	27.259	87.9	14.689	90.1	1480.6	7909.5	10.1
870.0	863.6	4.086	4.020	34.361	27.276	31.285	27.269	87.0	14.776	90.1	1480.6	8055.3	11.9
880.0	873.5	4.081	4.014	34.368	27.282	31.337	27.275	86.5	14.863	90.0	1480.8	8202.0	5.7
890.0	883.4	4.039	3.973	34.376	27.293	31.394	27.286	85.5	14.949	90.1	1480.8	8349.5	6.0
900.0	893.3	4.006	3.938	34.381	27.301	31.448	27.294	84.8	15.034	90.1	1480.8	8497.8	11.3
910.0	903.2	3.929	3.862	34.400	27.323	31.518	27.316	82.7	15.118	90.0	1480.7	8647.0	16.0
920.0	913.1	3.910	3.841	34.404	27.328	31.569	27.321	82.2	15.201	90.0	1480.7	8797.0	8.9
930.0	923.0	3.891	3.822	34.409	27.334	31.621	27.327	81.7	15.283	90.0	1480.8	8947.8	9.2
940.0	932.9	3.859	3.789	34.416	27.343	31.677	27.336	80.9	15.364	90.0	1480.9	9099.4	20.1
950.0	942.8	3.807	3.737	34.426	27.356	31.737	27.349	79.6	15.444	90.0	1480.8	9251.8	-.7
960.0	952.7	3.805	3.734	34.426	27.357	31.783	27.350	79.7	15.524	90.0	1481.0	9405.0	.5
970.0	962.5	3.795	3.723	34.428	27.360	31.831	27.352	79.5	15.603	90.0	1481.1	9559.0	3.1
980.0	972.4	3.771	3.699	34.434	27.367	31.885	27.359	78.9	15.682	90.0	1481.2	9713.7	3.1
990.0	982.3	3.737	3.664	34.440	27.375	31.939	27.367	78.1	15.761	90.0	1481.2	9869.2	9.3

Station 16 Latitude 32° 29.17'N Longitude 127° 50.68'W 23 Aug 1989 GMT 05:53 Bottom 1625 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
1000.0	992.2	3.700	3.627	34.446	27.383	31.994	27.376	77.3	15.838	90.0	1481.2	10025.5	4.0
1020.0	1012.0	3.642	3.567	34.457	27.398	32.102	27.391	75.9	15.992	90.0	1481.3	10340.3	9.9
1040.0	1031.8	3.532	3.457	34.475	27.423	32.221	27.416	73.5	16.141	90.0	1481.2	10658.0	4.6
1060.0	1051.6	3.482	3.406	34.481	27.433	32.323	27.426	72.6	16.287	90.0	1481.3	10978.7	.8
1080.0	1071.3	3.430	3.352	34.488	27.444	32.427	27.436	71.6	16.431	90.0	1481.5	11302.1	.8
1100.0	1091.1	3.414	3.335	34.491	27.448	32.523	27.440	71.4	16.574	90.0	1481.7	11628.4	11.6
1120.0	1110.9	3.365	3.285	34.498	27.458	32.625	27.450	70.4	16.716	90.1	1481.9	11957.5	6.1
1140.0	1130.6	3.297	3.216	34.507	27.472	32.732	27.464	69.1	16.855	90.0	1481.9	12289.3	5.2
1160.0	1150.4	3.266	3.183	34.511	27.478	32.830	27.470	68.6	16.993	90.0	1482.1	12623.8	3.5
1180.0	1170.2	3.235	3.151	34.515	27.484	32.928	27.476	68.1	17.130	90.0	1482.3	12961.0	.0
1200.0	1189.9	3.169	3.084	34.524	27.497	33.035	27.489	66.8	17.265	90.0	1482.4	13300.8	2.6
1220.0	1209.7	3.125	3.039	34.528	27.504	33.134	27.496	66.2	17.398	89.9	1482.5	13643.3	6.7
1240.0	1229.4	3.087	2.999	34.531	27.511	33.233	27.503	65.6	17.530	90.0	1482.7	13988.3	-.3
1260.0	1249.2	3.072	2.983	34.534	27.514	33.328	27.506	65.4	17.661	90.0	1483.0	14335.9	4.1
1280.0	1268.9	3.045	2.954	34.536	27.519	33.424	27.510	65.1	17.791	90.0	1483.2	14686.1	-1.7
1300.0	1288.7	3.027	2.935	34.538	27.522	33.520	27.514	64.8	17.921	89.9	1483.5	15038.7	.9
1320.0	1308.4	2.994	2.901	34.542	27.528	33.618	27.520	64.2	18.050	90.0	1483.6	15393.9	7.7
1340.0	1328.2	2.934	2.840	34.548	27.539	33.721	27.531	63.2	18.177	90.0	1483.7	15751.6	.9
1360.0	1347.9	2.917	2.821	34.550	27.542	33.816	27.534	63.0	18.304	90.0	1484.0	16111.8	2.1
1380.0	1367.7	2.880	2.783	34.553	27.548	33.914	27.539	62.5	18.429	90.0	1484.2	16474.4	-.2
1400.0	1387.4	2.820	2.723	34.559	27.558	34.017	27.549	61.5	18.553	90.0	1484.3	16839.4	6.2
1420.0	1407.2	2.799	2.700	34.561	27.561	34.112	27.552	61.2	18.676	90.0	1484.5	17206.9	-2.0
1440.0	1426.9	2.784	2.684	34.561	27.563	34.206	27.555	61.1	18.798	90.0	1484.8	17576.7	2.2
1460.0	1446.6	2.745	2.643	34.565	27.570	34.304	27.560	60.5	18.920	89.9	1484.9	17948.9	4.2
1480.0	1466.4	2.699	2.596	34.569	27.577	34.404	27.568	59.7	19.040	89.9	1485.1	18323.4	1.9
1500.0	1486.1	2.688	2.583	34.571	27.580	34.498	27.570	59.6	19.159	89.9	1485.4	18700.3	1.6
1506.0	1492.0	2.687	2.582	34.570	27.580	34.524	27.570	59.7	19.195	90.0	1485.5	18813.8	.0

Station 17 Latitude 32° 30.13'N Longitude 127° 55.84'W 23 Aug 1989 GMT 07:38 Bottom 3810 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.739	19.739	33.802	23.917	23.917	23.917	397.9	.000	89.6	1520.0	.0	.0
10.0	10.0	19.749	19.747	33.802	23.915	23.958	23.915	398.5	.398	89.7	1520.2	2.0	.1
20.0	19.9	19.706	19.702	33.814	23.936	24.023	23.935	396.9	.797	89.6	1520.3	7.9	51.7
30.0	29.9	19.673	19.667	33.814	23.945	24.075	23.944	396.4	1.193	89.4	1520.3	17.9	14.4
40.0	39.9	19.633	19.626	33.812	23.954	24.128	23.953	395.9	1.589	89.4	1520.4	31.7	4.2
50.0	49.8	19.634	19.625	33.814	23.956	24.173	23.954	396.1	1.985	89.4	1520.5	49.5	3.0
60.0	59.8	18.823	18.812	33.971	24.283	24.544	24.281	365.2	2.372	89.4	1518.6	71.3	453.3
70.0	69.8	17.981	17.969	34.147	24.628	24.933	24.625	332.7	2.718	89.6	1516.6	96.7	155.6
80.0	79.7	17.773	17.760	34.267	24.771	25.119	24.767	319.4	3.043	89.8	1516.3	125.4	134.0
90.0	89.7	16.980	16.966	34.140	24.863	25.257	24.860	310.8	3.358	89.8	1513.9	157.2	48.3
100.0	99.7	16.872	16.856	34.193	24.930	25.367	24.926	304.9	3.665	89.8	1513.8	192.2	55.3
110.0	109.6	16.449	16.431	34.167	25.009	25.491	25.005	297.5	3.966	89.8	1512.7	230.2	54.1
120.0	119.6	15.970	15.951	34.138	25.097	25.623	25.092	289.5	4.260	89.8	1511.3	271.2	93.0
130.0	129.5	14.587	14.567	33.934	25.244	25.818	25.240	275.4	4.542	90.0	1506.9	315.0	79.0
140.0	139.5	13.918	13.898	33.863	25.330	25.950	25.326	267.4	4.814	90.3	1504.8	361.5	22.6
150.0	149.4	13.523	13.502	33.872	25.419	26.083	25.414	259.2	5.078	90.2	1503.6	410.7	143.5
160.0	159.4	12.768	12.747	33.821	25.531	26.242	25.526	248.6	5.331	90.4	1501.2	462.5	136.6
170.0	169.3	11.473	11.452	33.772	25.737	26.498	25.734	228.8	5.570	90.4	1496.8	516.8	133.5
180.0	179.3	11.012	10.990	33.756	25.809	26.616	25.805	222.1	5.796	90.4	1495.4	573.3	147.4
190.0	189.2	10.435	10.413	33.765	25.917	26.771	25.913	211.8	6.014	90.4	1493.5	632.0	128.9
200.0	199.1	9.987	9.964	33.783	26.008	26.909	26.004	203.2	6.220	90.5	1492.0	692.8	45.3
210.0	209.1	9.720	9.697	33.816	26.079	27.025	26.074	196.7	6.420	90.5	1491.3	755.6	16.6
220.0	219.0	9.620	9.595	33.841	26.115	27.107	26.111	193.4	6.615	90.4	1491.1	820.4	51.7
230.0	229.0	9.542	9.516	33.891	26.167	27.205	26.163	188.7	6.806	90.5	1491.0	887.1	71.3
240.0	238.9	9.290	9.264	33.957	26.259	27.343	26.255	180.0	6.990	90.4	1490.3	955.7	47.0
250.0	248.8	8.970	8.943	33.964	26.316	27.447	26.312	174.6	7.168	90.4	1489.3	1026.0	54.8
260.0	258.8	8.812	8.785	33.985	26.358	27.535	26.354	170.8	7.341	90.4	1488.9	1098.1	49.0
270.0	268.7	8.591	8.563	34.001	26.404	27.627	26.400	166.5	7.510	90.4	1488.3	1171.9	42.5
280.0	278.6	8.427	8.399	33.998	26.427	27.697	26.423	164.4	7.675	90.3	1487.8	1247.3	28.1
290.0	288.6	8.249	8.219	33.999	26.455	27.771	26.451	161.8	7.838	90.4	1487.3	1324.3	26.3
300.0	298.5	7.950	7.920	33.988	26.491	27.854	26.487	158.4	7.998	90.4	1486.3	1403.0	31.8
310.0	308.4	7.795	7.764	33.988	26.514	27.924	26.509	156.3	8.155	90.3	1485.9	1483.2	15.4
320.0	318.4	7.665	7.633	33.985	26.531	27.987	26.526	154.8	8.311	90.3	1485.5	1565.0	26.5
330.0	328.3	7.571	7.539	33.993	26.550	28.052	26.545	153.1	8.464	90.3	1485.3	1648.2	5.4
340.0	338.2	7.465	7.432	34.000	26.571	28.119	26.566	151.2	8.617	90.3	1485.1	1733.0	23.6
350.0	348.1	7.317	7.283	33.999	26.591	28.186	26.586	149.3	8.767	90.3	1484.7	1819.3	27.9
360.0	358.1	7.124	7.090	33.998	26.617	28.259	26.613	146.9	8.915	90.3	1484.1	1907.1	32.9
370.0	368.0	6.993	6.959	33.997	26.635	28.323	26.629	145.3	9.061	90.3	1483.7	1996.4	22.6
380.0	377.9	6.894	6.859	33.997	26.648	28.383	26.643	144.1	9.206	90.3	1483.5	2087.0	21.7
390.0	387.9	6.774	6.738	34.005	26.670	28.452	26.666	142.0	9.349	90.2	1483.2	2179.1	19.6
400.0	397.8	6.637	6.601	34.011	26.694	28.522	26.689	139.8	9.490	90.2	1482.8	2272.6	24.0
410.0	407.7	6.527	6.490	34.014	26.711	28.586	26.706	138.3	9.629	90.2	1482.6	2367.5	5.0
420.0	417.6	6.473	6.436	34.012	26.716	28.637	26.711	137.9	9.767	90.2	1482.5	2463.7	17.8
430.0	427.5	6.241	6.204	34.007	26.743	28.711	26.738	135.3	9.904	90.2	1481.7	2561.3	21.3
440.0	437.5	6.084	6.046	34.009	26.764	28.780	26.759	133.2	10.038	90.2	1481.3	2660.3	21.3
450.0	447.4	5.941	5.902	34.008	26.781	28.844	26.776	131.6	10.171	90.1	1480.9	2760.5	19.5
460.0	457.3	5.832	5.793	34.014	26.800	28.910	26.795	129.9	10.302	90.2	1480.6	2862.1	25.0
470.0	467.2	5.739	5.699	34.022	26.817	28.974	26.812	128.2	10.431	90.1	1480.4	2964.9	15.1
480.0	477.2	5.668	5.627	34.040	26.840	29.043	26.835	126.1	10.558	90.2	1480.3	3069.0	17.7
490.0	487.1	5.908	5.866	34.100	26.858	29.104	26.853	124.9	10.683	90.1	1481.5	3174.4	-1.0
500.0	497.0	5.788	5.746	34.104	26.876	29.169	26.871	123.2	10.807	90.1	1481.2	3281.0	11.9
510.0	506.9	5.661	5.618	34.110	26.897	29.237	26.892	121.2	10.930	90.1	1480.9	3388.8	23.6
520.0	516.8	5.488	5.445	34.096	26.907	29.295	26.902	120.2	11.050	90.1	1480.3	3497.8	18.9
530.0	526.8	5.517	5.473	34.119	26.922	29.355	26.917	118.9	11.170	90.1	1480.6	3607.9	2.8
540.0	536.7	5.297	5.252	34.096	26.930	29.411	26.924	118.0	11.288	90.2	1479.8	3719.3	25.6
550.0	546.6	5.193	5.148	34.108	26.951	29.479	26.946	116.0	11.405	90.1	1479.6	3831.8	28.5
560.0	556.5	5.021	4.976	34.106	26.969	29.546	26.964	114.1	11.520	90.1	1479.0	3945.5	21.7
570.0	566.4	4.980	4.935	34.116	26.982	29.605	26.977	113.0	11.634	90.1	1479.1	4060.2	21.1
580.0	576.3	5.026	4.979	34.143	26.998	29.666	26.993	111.7	11.746	90.1	1479.4	4176.1	12.1
590.0	586.2	5.001	4.954	34.164	27.018	29.732	27.013	109.9	11.857	90.2	1479.5	4293.1	24.7
600.0	596.2	4.984	4.936	34.178	27.031	29.791	27.025	108.8	11.966	90.3	1479.7	4411.2	10.9
610.0	606.1	4.870	4.822	34.181	27.046	29.854	27.041	107.3	12.074	90.2	1479.3	4530.3	4.8
620.0	616.0	4.733	4.685	34.178	27.059	29.915	27.054	106.0	12.181	90.2	1478.9	4650.6	15.6
630.0	625.9	4.691	4.642	34.190	27.073	29.975	27.067	104.7	12.286	90.1	1478.9	4771.8	16.5
640.0	635.8	4.682	4.633	34.199	27.081	30.029	27.076	104.0	12.391	90.1	1479.1	4894.1	12.4
650.0	645.7	4.654	4.604	34.207	27.092	30.085	27.086	103.1	12.494	90.1	1479.1	5017.4	3.3
660.0	655.6	4.606	4.555	34.212	27.101	30.141	27.095	102.3	12.597	90.1	1479.1	5141.7	7.1
670.0	665.5	4.573	4.521	34.226	27.115	30.202	27.110	101.0	12.699	90.1	1479.2	5267.0	28.8
680.0	675.4	4.548	4.496	34.235	27.125	30.257	27.119	100.2	12.799	90.1	1479.2	5393.3	2.4
690.0	685.3	4.522	4.469	34.240	27.132	30.310	27.126	99.6	12.899	90.1	1479.3	5520.6	11.2
700.0	695.3	4.484	4.430	34.254	27.147	30.372	27.141	98.2	12.997	90.1	1479.3	5648.9	3.3
710.0	705.2	4.474	4.419	34.256	27.150	30.421	27.145	97.9	13.095	90.1	1479.4	5778.1	3.9
720.0	715.1	4.455	4.399	34.266	27.160	30.477	27.154	97.1	13.193	90.1	1479.5	5908.3	11.8
730.0	725.0	4.439	4.383	34.283	27.175	30.538	27.170	95.7	13.290	90.2	1479.7	6039.5	26.8
740.0	734.9	4.403	4.346	34.305	27.197	30.606	27.191	93.8	13.384	90.1	1479.7	6171.6	15.6
750.0	744.8	4.384	4.326	34.311	27.204	30.659	27.198	93.2	13.478	90.1	1479.8	6304.6	5.7
760.0	754.7	4.373	4.315	34.320	27.212	30.713	27.206	92.5	13.571	90.1	1479.9	6438.6	3.9
770.0	764.6	4.317	4.258	34.324	27.221	30.769	27.215	91.6	13.663	90.1	1479.9	6573.4	20.0
780.0	774.5	4.258	4.199	34.332	27.234	30.829	27.228	90.4	13.754	90.1	1479.8	6709.2	6.0
790.0	784.4	4.272	4.212	34.339	27.238	30.878	27.232	90.2	13.844	90.1	1480.0	6845.8	2.2
800.0	794.3	4.239	4.179	34.342	27.244	30.930	27.237	89.7	13.934	90.1	1480.1	6983.3	6.3
810.0	804.2	4.236	4.175	34.348	27.250	30.982	27.243	89.2	14.024	90.1	1480.2	7121.7	7.5
820.0	814.1	4.213	4.151	34.357	27.259	31.037	27.252	88.4	14.112	90.1	1480.3	7261.0	17.7
830.0	824.0	4.186	4.123	34.364	27.267	31.092	27.261	87.7	14.200	90.1	1480.4	7401.1	9.8
840.0	833.9	4.158	4.095	34.370	27.275	31.146	27.268	87.0	14.287	90.1	1480.4	7542.1	16.8
850.0	843.8	4.135	4.071	34.375	27.282	31.199	27.275	86.4	14.374	90.2	1480.5	7684.0	5.1
860.0	853.7	4.107	4.042	34.382	27.291	31.254	27.284	85.6	14.460	90.1	1480.6	7826.7	3.4
870.0	863.6	4.046	3.980	34.385	27.299	31.309	27.292	84.8	14.545	90.1	1480.5	7970.2	2.5
880.0	873.5	4.020	3.954	34.389	27.305	31.361	27.298	84.3	14.629	90.1	1480.5	8114.6	3.4
890.0	883.4	4.043	3.977	34.404	27.314	31.415	27.307	83.5	14.713	90.0	1480.8	8259.8	10.1
900.0	893.3	4.012	3.945	34.411	27.323	31.471	27.316	82.7	14.796	90.1	1480.9	8405.8	18.3
910.0	903.2	3.987	3.919	34.418	27.332	31.525	27.325	82.0	14.879	90.0	1480.9	8552.6	9.3
920.0	913.1	3.951	3.882	34.420	27.337	31.577	27.330	81.5	14.960	90.1	1480.9	8700.2	.2
930.0	923.0	3.941	3.872	34.423	27.340	31.626	27.333	81.3	15.042	90.1	1481.1	8848.7	6.3
940.0	932.8	3.925	3.855	34.430	27.347	31.680	27.340	80.6	15.123	90.1	1481.2	8997.9	9.9
950.0	942.7	3.909	3.839	34.433	27.352	31.730	27.345	80.3	15.203	90.1	1481.3	9147.9	-1.6
960.0	952.6	3.832	3.761	34.433	27.360	31.785	27.352	79.5	15.283	90.1	1481.1	9298.7	7.5
970.0	962.5	3.819	3.747	34.435	27.363	31.834	27.355	79.2	15.362	90.1	1481.2	9450.3	6.6
980.0	972.4	3.780	3.707	34.438	27.369	31.887	27.362	78.6	15.441	90.1	1481.2	9602.6	10.4
990.0	982.3	3.746	3.673	34.440	27.374	31.939	27.367	78.1	15.519	90.1	1481.3	9755.7	1.9

Station 17 Latitude 32° 30.13'N Longitude 127° 55.84'W 23 Aug 1989 GMT 07:38 Bottom 3810 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.739	3.665	34.442	27.377	31.987	27.369	78.0	15.597	90.1	1481.4	9909.6	2.3
1020.0	1012.0	3.665	3.591	34.452	27.392	32.095	27.384	76.6	15.752	90.1	1481.4	10219.6	13.4
1040.0	1031.8	3.614	3.538	34.463	27.406	32.201	27.398	75.4	15.904	90.1	1481.5	10532.7	11.0
1060.0	1051.5	3.565	3.488	34.470	27.416	32.304	27.408	74.4	16.054	90.1	1481.7	10848.7	.5
1080.0	1071.3	3.502	3.424	34.480	27.430	32.411	27.422	73.1	16.201	90.1	1481.8	11167.6	9.3
1100.0	1091.1	3.449	3.369	34.488	27.442	32.515	27.434	72.0	16.347	90.1	1481.9	11489.4	7.6
1120.0	1110.8	3.414	3.334	34.493	27.450	32.616	27.442	71.3	16.490	90.1	1482.1	11813.9	2.0
1140.0	1130.6	3.364	3.282	34.500	27.460	32.718	27.452	70.4	16.632	90.1	1482.2	12141.3	.8
1160.0	1150.4	3.328	3.245	34.505	27.467	32.818	27.459	69.8	16.772	90.1	1482.4	12471.4	2.6
1180.0	1170.1	3.297	3.212	34.508	27.473	32.915	27.465	69.3	16.911	90.0	1482.6	12804.3	2.3
1200.0	1189.9	3.250	3.164	34.514	27.482	33.017	27.474	68.5	17.049	90.1	1482.7	13139.8	3.2
1220.0	1209.7	3.211	3.124	34.519	27.490	33.117	27.481	67.8	17.185	90.0	1482.9	13478.0	2.0
1240.0	1229.4	3.176	3.088	34.523	27.497	33.216	27.489	67.2	17.320	90.1	1483.1	13818.9	4.7
1260.0	1249.2	3.134	3.045	34.528	27.504	33.316	27.496	66.5	17.454	90.1	1483.2	14162.4	3.2
1280.0	1268.9	3.089	2.998	34.532	27.511	33.415	27.503	65.9	17.586	90.1	1483.4	14508.4	5.6
1300.0	1288.7	3.064	2.972	34.536	27.517	33.513	27.508	65.4	17.717	90.1	1483.6	14857.1	2.1
1320.0	1308.4	3.033	2.939	34.538	27.522	33.610	27.513	65.0	17.848	90.1	1483.8	15208.3	2.1
1340.0	1328.2	3.004	2.909	34.542	27.528	33.708	27.519	64.5	17.977	90.1	1484.0	15562.0	3.6
1360.0	1347.9	2.959	2.863	34.546	27.535	33.807	27.527	63.8	18.105	90.1	1484.2	15918.2	.7
1380.0	1367.7	2.932	2.835	34.548	27.539	33.904	27.531	63.4	18.233	90.1	1484.4	16277.0	2.4
1400.0	1387.4	2.886	2.787	34.553	27.547	34.004	27.538	62.7	18.359	90.1	1484.5	16638.1	.1
1420.0	1407.2	2.851	2.751	34.556	27.553	34.102	27.544	62.2	18.484	90.0	1484.7	17001.8	5.1
1440.0	1426.9	2.817	2.716	34.559	27.558	34.199	27.549	61.7	18.608	90.1	1484.9	17367.8	1.9
1460.0	1446.6	2.793	2.691	34.561	27.562	34.295	27.553	61.4	18.730	90.0	1485.1	17736.3	.7
1480.0	1466.3	2.759	2.655	34.566	27.570	34.394	27.560	60.7	18.853	90.1	1485.3	18107.1	6.6
1500.0	1486.1	2.733	2.628	34.569	27.574	34.490	27.565	60.3	18.974	90.1	1485.6	18480.3	2.8
1520.0	1505.8	2.705	2.599	34.571	27.578	34.586	27.569	59.9	19.094	90.0	1485.8	18855.8	6.3
1540.0	1525.5	2.658	2.550	34.575	27.586	34.687	27.577	59.1	19.213	90.1	1485.9	19233.7	7.8
1560.0	1545.3	2.628	2.520	34.578	27.591	34.783	27.581	58.7	19.330	90.0	1486.1	19613.8	1.4
1580.0	1565.0	2.604	2.494	34.579	27.594	34.878	27.585	58.4	19.448	90.0	1486.3	19996.2	3.1
1600.0	1584.7	2.569	2.458	34.583	27.600	34.976	27.591	57.9	19.564	90.0	1486.5	20380.9	.5
1620.0	1604.4	2.549	2.437	34.584	27.603	35.071	27.593	57.6	19.680	90.0	1486.8	20767.9	4.9
1640.0	1624.2	2.512	2.399	34.587	27.608	35.168	27.599	57.1	19.794	90.1	1487.0	21157.1	3.2
1660.0	1643.9	2.495	2.379	34.588	27.611	35.262	27.601	56.9	19.908	90.0	1487.2	21548.5	2.0
1680.0	1663.6	2.459	2.343	34.591	27.616	35.360	27.606	56.4	20.022	90.1	1487.4	21942.1	2.6
1700.0	1683.3	2.426	2.308	34.593	27.620	35.456	27.611	56.0	20.134	90.1	1487.6	22337.8	6.7
1720.0	1703.0	2.399	2.280	34.595	27.625	35.552	27.615	55.6	20.246	90.0	1487.8	22735.8	.9
1740.0	1722.7	2.376	2.256	34.597	27.628	35.646	27.618	55.3	20.356	90.1	1488.0	23135.9	2.9
1760.0	1742.4	2.342	2.220	34.600	27.633	35.744	27.623	54.8	20.466	90.0	1488.2	23538.1	4.4
1780.0	1762.1	2.323	2.200	34.602	27.637	35.839	27.627	54.4	20.576	90.0	1488.5	23942.5	1.8
1800.0	1781.8	2.297	2.173	34.603	27.640	35.933	27.630	54.1	20.684	90.0	1488.7	24349.0	2.1
1820.0	1801.5	2.278	2.152	34.606	27.644	36.028	27.633	53.8	20.792	90.1	1489.0	24757.5	1.2
1840.0	1821.2	2.253	2.126	34.607	27.647	36.123	27.637	53.5	20.899	90.0	1489.2	25168.2	2.1
1860.0	1840.9	2.236	2.108	34.609	27.650	36.217	27.639	53.3	21.006	90.0	1489.5	25580.9	.1
1880.0	1860.6	2.215	2.085	34.611	27.653	36.312	27.642	53.0	21.112	90.0	1489.7	25995.6	2.7
1900.0	1880.3	2.197	2.066	34.613	27.656	36.406	27.646	52.7	21.218	90.0	1490.0	26412.5	4.5
1920.0	1900.0	2.170	2.037	34.615	27.660	36.502	27.650	52.3	21.323	90.1	1490.2	26831.3	4.8
1940.0	1919.7	2.154	2.020	34.617	27.663	36.596	27.653	52.0	21.427	90.0	1490.5	27252.2	.7
1960.0	1939.4	2.134	1.998	34.619	27.667	36.690	27.656	51.7	21.531	90.0	1490.7	27675.1	4.0
1980.0	1959.1	2.108	1.971	34.622	27.671	36.786	27.660	51.3	21.634	90.0	1490.9	28099.9	.2
2000.0	1978.8	2.095	1.957	34.623	27.673	36.879	27.662	51.1	21.736	90.0	1491.2	28526.8	1.9
2050.0	2028.0	2.052	1.910	34.628	27.681	37.113	27.669	50.5	21.990	90.0	1491.9	29602.5	-.1
2100.0	2077.1	2.011	1.865	34.632	27.688	37.348	27.676	49.8	22.241	90.1	1492.5	30690.4	2.3
2150.0	2126.3	1.977	1.828	34.636	27.694	37.580	27.682	49.4	22.489	90.0	1493.2	31790.3	.9
2200.0	2175.5	1.937	1.784	34.639	27.700	37.813	27.688	48.8	22.734	90.0	1493.9	32902.0	2.4
2250.0	2224.6	1.912	1.755	34.642	27.704	38.043	27.692	48.5	22.977	90.0	1494.6	34025.5	-2.3
2300.0	2273.8	1.897	1.736	34.644	27.706	38.271	27.694	48.4	23.219	90.0	1495.4	35160.7	.1
2350.0	2322.9	1.876	1.711	34.646	27.711	38.500	27.698	48.1	23.461	90.0	1496.2	36307.4	1.4
2400.0	2372.1	1.847	1.679	34.648	27.715	38.730	27.702	47.8	23.700	89.9	1496.9	37465.7	-1.0
2450.0	2421.2	1.797	1.624	34.653	27.723	38.964	27.710	46.9	23.937	90.0	1497.5	38635.5	.0
2500.0	2470.3	1.773	1.596	34.656	27.727	39.193	27.713	46.6	24.171	90.0	1498.3	39816.5	1.5
2550.0	2519.3	1.749	1.569	34.658	27.730	39.422	27.717	46.3	24.403	90.0	1499.0	41008.7	1.2
2600.0	2568.4	1.730	1.546	34.659	27.733	39.649	27.720	46.1	24.634	90.0	1499.8	42211.9	-.2
2650.0	2617.5	1.713	1.524	34.661	27.736	39.875	27.722	46.0	24.864	90.0	1500.5	43426.2	2.2
2700.0	2666.5	1.694	1.501	34.663	27.740	40.102	27.726	45.7	25.093	89.9	1501.3	44651.5	1.9
2750.0	2715.6	1.690	1.493	34.663	27.740	40.326	27.726	45.8	25.322	90.0	1502.1	45887.8	.8
2800.0	2764.6	1.675	1.473	34.665	27.743	40.551	27.729	45.7	25.551	90.0	1502.9	47134.9	-.3
2850.0	2813.6	1.658	1.451	34.667	27.747	40.778	27.731	45.4	25.778	90.0	1503.7	48393.0	.0
2900.0	2862.6	1.649	1.438	34.668	27.748	41.001	27.733	45.4	26.006	90.0	1504.5	49662.0	1.5
2950.0	2911.6	1.633	1.417	34.669	27.751	41.227	27.735	45.2	26.233	90.0	1505.3	50941.7	1.0
3000.0	2960.6	1.613	1.394	34.672	27.754	41.453	27.739	44.9	26.458	90.0	1506.0	52232.3	.7
3002.0	2962.6	1.613	1.393	34.671	27.754	41.461	27.738	45.0	26.467	89.9	1506.1	52284.2	.0

Station 18 Latitude 32° 32.14'N Longitude 128° 01.00'W 23 Aug 1989 GMT 10:21 Bottom 4050 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.683	19.683	33.807	23.936	23.936	23.936	396.1	.000	89.5	1519.9	.0	.0
10.0	10.0	19.685	19.683	33.807	23.936	23.979	23.935	396.6	.396	89.7	1520.0	2.0	-.1
20.0	19.9	19.688	19.685	33.807	23.936	24.022	23.935	396.9	.793	89.7	1520.2	7.9	.4
30.0	29.9	19.664	19.659	33.804	23.940	24.070	23.939	396.8	1.190	89.6	1520.3	17.8	11.8
40.0	39.9	19.639	19.632	33.814	23.954	24.127	23.952	395.9	1.587	89.2	1520.4	31.6	25.3
50.0	49.8	18.749	18.740	33.987	24.314	24.531	24.311	362.0	1.968	89.6	1518.3	49.4	376.2
60.0	59.8	17.807	17.797	34.076	24.615	24.877	24.613	333.5	2.313	89.6	1515.8	70.7	267.2
70.0	69.8	17.565	17.553	34.188	24.760	25.065	24.757	320.1	2.638	89.8	1515.4	95.4	88.8
80.0	79.7	16.885	16.872	34.073	24.834	25.184	24.831	313.3	2.954	89.9	1513.4	123.2	85.5
90.0	89.7	16.745	16.731	34.130	24.910	25.304	24.907	306.3	3.264	89.8	1513.2	154.2	53.6
100.0	99.6	16.673	16.657	34.169	24.958	25.396	24.954	302.1	3.569	89.8	1513.2	188.2	34.8
110.0	109.6	16.225	16.207	34.135	25.036	25.518	25.032	295.0	3.868	89.8	1511.9	225.2	104.4
120.0	119.6	15.715	15.696	34.105	25.129	25.656	25.125	286.3	4.158	90.0	1510.5	265.2	82.4
130.0	129.5	15.299	15.279	34.065	25.191	25.763	25.186	280.7	4.442	90.0	1509.3	308.0	133.3
140.0	139.4	14.432	14.411	33.959	25.297	25.915	25.292	270.7	4.717	90.1	1506.6	353.6	104.4
150.0	149.4	13.657	13.636	33.889	25.404	26.069	25.400	260.6	4.982	90.4	1504.1	401.8	36.4
160.0	159.4	12.806	12.784	33.834	25.533	26.245	25.529	248.4	5.236	90.4	1501.4	452.7	87.7
170.0	169.3	12.330	12.308	33.829	25.622	26.380	25.618	240.0	5.480	90.4	1499.9	506.0	34.1
180.0	179.2	11.200	11.177	33.765	25.782	26.588	25.778	224.7	5.713	90.5	1496.0	561.6	65.2
190.0	189.2	10.661	10.639	33.755	25.870	26.723	25.866	216.4	5.935	90.5	1494.3	619.6	146.8
200.0	199.1	10.334	10.310	33.770	25.939	26.838	25.935	209.9	6.147	90.5	1493.3	679.6	55.9
210.0	209.1	9.891	9.867	33.825	26.057	27.003	26.053	198.8	6.351	90.5	1491.9	741.7	43.6
220.0	219.0	9.635	9.610	33.870	26.135	27.127	26.131	191.5	6.546	90.6	1491.2	805.8	70.5
230.0	228.9	9.556	9.530	33.918	26.186	27.224	26.182	186.9	6.735	90.5	1491.1	871.8	66.1
240.0	238.9	9.367	9.341	33.966	26.254	27.337	26.250	180.5	6.919	90.5	1490.6	939.7	84.5
250.0	248.8	9.164	9.137	33.986	26.303	27.432	26.298	176.0	7.096	90.5	1490.1	1009.3	35.3
260.0	258.8	8.926	8.898	33.989	26.342	27.519	26.338	172.3	7.271	90.4	1489.3	1080.7	66.3
270.0	268.7	8.660	8.632	33.991	26.386	27.609	26.382	168.2	7.441	90.4	1488.5	1153.8	35.2
280.0	278.6	8.606	8.576	33.994	26.397	27.665	26.392	167.4	7.609	90.5	1488.5	1228.5	31.7
290.0	288.6	8.320	8.291	34.000	26.445	27.761	26.441	162.8	7.774	90.5	1487.6	1304.9	68.8
300.0	298.5	8.075	8.045	33.998	26.481	27.843	26.476	159.5	7.935	90.5	1486.8	1382.9	71.1
310.0	308.4	7.777	7.747	33.988	26.516	27.926	26.512	156.1	8.092	90.4	1485.8	1462.5	33.0
320.0	318.4	7.602	7.571	33.985	26.540	27.996	26.535	153.9	8.247	90.4	1485.3	1543.7	4.5
330.0	328.3	7.454	7.422	33.986	26.562	28.065	26.557	151.9	8.400	90.5	1484.9	1626.3	6.6
340.0	338.2	7.304	7.272	33.988	26.584	28.134	26.580	149.8	8.551	90.4	1484.4	1710.5	40.2
350.0	348.1	7.116	7.084	33.989	26.611	28.208	26.607	147.3	8.699	90.4	1483.9	1796.1	19.1
360.0	358.1	6.997	6.964	33.991	26.629	28.272	26.625	145.6	8.845	90.4	1483.6	1883.2	3.6
370.0	368.0	6.831	6.797	33.995	26.655	28.344	26.650	143.3	8.990	90.3	1483.1	1971.7	18.2
380.0	377.9	6.754	6.719	33.993	26.664	28.400	26.659	142.5	9.133	90.3	1482.9	2061.7	16.7
390.0	387.9	6.607	6.571	33.996	26.685	28.469	26.681	140.4	9.274	90.4	1482.5	2153.0	15.2
400.0	397.8	6.449	6.413	33.994	26.705	28.535	26.700	138.6	9.414	90.3	1482.1	2245.8	30.4
410.0	407.7	6.220	6.184	33.994	26.735	28.612	26.730	135.7	9.551	90.4	1481.3	2339.9	22.2
420.0	417.6	6.067	6.030	34.003	26.761	28.686	26.757	133.2	9.685	90.2	1480.9	2435.3	20.7
430.0	427.5	5.985	5.948	34.016	26.782	28.753	26.777	131.3	9.818	90.3	1480.7	2532.1	26.2
440.0	437.5	5.898	5.860	34.025	26.800	28.818	26.796	129.6	9.948	90.2	1480.5	2630.2	14.5
450.0	447.4	5.732	5.694	34.029	26.823	28.889	26.819	127.4	10.077	90.2	1480.0	2729.5	14.8
460.0	457.3	5.655	5.616	34.029	26.833	28.945	26.828	126.6	10.203	90.2	1479.9	2830.1	8.0
470.0	467.2	5.508	5.469	34.033	26.854	29.013	26.849	124.6	10.329	90.3	1479.5	2932.0	17.4
480.0	477.1	5.391	5.352	34.039	26.872	29.079	26.868	122.8	10.453	90.3	1479.2	3035.0	7.4
490.0	487.1	5.335	5.295	34.045	26.884	29.137	26.879	121.8	10.575	90.2	1479.1	3139.3	10.3
500.0	497.0	5.252	5.212	34.056	26.903	29.202	26.898	120.0	10.696	90.2	1478.9	3244.8	22.3
510.0	506.9	5.129	5.088	34.069	26.927	29.274	26.923	117.7	10.815	90.2	1478.6	3351.5	24.3
520.0	516.8	5.082	5.041	34.072	26.935	29.328	26.930	117.0	10.932	90.2	1478.6	3459.3	13.5
530.0	526.7	5.117	5.074	34.103	26.955	29.394	26.951	115.2	11.048	90.3	1478.9	3568.3	13.2
540.0	536.7	5.065	5.022	34.109	26.966	29.451	26.961	114.3	11.163	90.2	1478.9	3678.4	17.9
550.0	546.6	4.931	4.887	34.111	26.983	29.515	26.978	112.6	11.276	90.3	1478.5	3789.7	13.8
560.0	556.5	4.915	4.871	34.127	26.999	29.577	26.993	111.3	11.389	90.2	1478.6	3902.0	20.0
570.0	566.4	4.770	4.726	34.118	27.007	29.634	27.002	110.3	11.499	90.4	1478.2	4015.5	19.0
580.0	576.3	4.743	4.698	34.132	27.021	29.694	27.016	109.1	11.609	90.3	1478.3	4130.1	3.5
590.0	586.2	4.738	4.692	34.146	27.033	29.751	27.028	108.1	11.718	90.2	1478.4	4245.7	10.9
600.0	596.1	4.675	4.628	34.157	27.049	29.814	27.044	106.6	11.825	90.3	1478.3	4362.4	10.3
610.0	606.0	4.617	4.570	34.159	27.057	29.868	27.052	105.9	11.932	90.3	1478.3	4480.1	22.3
620.0	616.0	4.579	4.531	34.165	27.066	29.924	27.060	105.1	12.037	90.2	1478.3	4598.9	8.2
630.0	625.9	4.540	4.491	34.179	27.081	29.985	27.076	103.7	12.141	90.2	1478.3	4718.7	8.2
640.0	635.8	4.507	4.458	34.185	27.090	30.041	27.085	102.9	12.245	90.3	1478.3	4839.5	24.0
650.0	645.7	4.467	4.417	34.199	27.105	30.102	27.100	101.5	12.347	90.2	1478.4	4961.4	11.4
660.0	655.6	4.442	4.391	34.207	27.114	30.157	27.109	100.8	12.448	90.2	1478.4	5084.2	13.5
670.0	665.5	4.414	4.363	34.218	27.126	30.215	27.121	99.7	12.548	90.3	1478.5	5208.1	.9
680.0	675.4	4.473	4.421	34.240	27.137	30.271	27.132	98.9	12.647	90.2	1478.9	5332.9	4.4
690.0	685.3	4.424	4.371	34.252	27.153	30.333	27.147	97.4	12.746	90.2	1478.9	5458.7	16.2
700.0	695.2	4.404	4.351	34.257	27.158	30.385	27.153	97.0	12.843	90.2	1479.0	5585.4	8.3
710.0	705.1	4.418	4.363	34.268	27.166	30.438	27.160	96.4	12.940	90.2	1479.2	5713.1	8.3
720.0	715.0	4.419	4.364	34.281	27.176	30.493	27.170	95.6	13.036	90.2	1479.4	5841.8	11.2
730.0	725.0	4.344	4.288	34.284	27.186	30.551	27.180	94.6	13.131	90.2	1479.3	5971.4	11.2
740.0	734.8	4.321	4.265	34.287	27.191	30.602	27.185	94.2	13.225	90.2	1479.3	6101.9	3.6
750.0	744.8	4.309	4.252	34.296	27.199	30.656	27.194	93.4	13.319	90.3	1479.5	6233.3	16.8
760.0	754.7	4.357	4.299	34.325	27.218	30.719	27.212	91.9	13.412	90.2	1479.9	6365.7	10.7
770.0	764.6	4.323	4.264	34.335	27.230	30.778	27.224	90.8	13.503	90.2	1479.9	6499.0	6.3
780.0	774.5	4.305	4.245	34.342	27.237	30.831	27.231	90.2	13.594	90.2	1480.0	6633.1	7.1
790.0	784.4	4.288	4.227	34.350	27.245	30.885	27.239	89.5	13.684	90.2	1480.1	6768.2	4.2
800.0	794.3	4.258	4.197	34.355	27.253	30.939	27.246	88.9	13.773	90.2	1480.2	6904.1	8.3
810.0	804.2	4.224	4.163	34.358	27.258	30.991	27.252	88.4	13.862	90.2	1480.2	7040.9	8.3
820.0	814.1	4.215	4.153	34.370	27.269	31.047	27.262	87.5	13.950	90.2	1480.3	7178.5	8.3
830.0	824.0	4.188	4.125	34.372	27.274	31.098	27.267	87.1	14.037	90.2	1480.4	7317.1	8.0
840.0	833.9	4.152	4.089	34.377	27.281	31.152	27.275	86.4	14.124	90.2	1480.4	7456.5	8.6
850.0	843.8	4.135	4.071	34.386	27.290	31.207	27.283	85.6	14.210	90.2	1480.5	7596.7	8.3
860.0	853.7	4.102	4.037	34.388	27.295	31.258	27.289	85.1	14.295	90.3	1480.5	7737.8	4.8
870.0	863.6	4.090	4.025	34.398	27.305	31.313	27.298	84.4	14.380	90.2	1480.7	7879.7	3.4
880.0	873.5	3.994	3.928	34.396	27.313	31.370	27.306	83.4	14.464	90.2	1480.4	8022.4	8.3
890.0	883.3	3.938	3.872	34.401	27.323	31.427	27.316	82.5	14.547	90.2	1480.4	8165.9	12.7
900.0	893.3	3.914	3.847	34.409	27.332	31.481	27.325	81.7	14.629	90.2	1480.4	8310.3	8.3
910.0	903.2	3.882	3.815	34.413	27.338	31.534	27.331	81.1	14.710	90.2	1480.5	8455.4	9.8
920.0	913.0	3.883	3.815	34.426	27.348	31.590	27.342	80.3	14.791	90.2	1480.7	8601.4	6.0
930.0	922.9	3.870	3.801	34.435	27.357	31.645	27.350	79.5	14.871	90.2	1480.8	8748.1	2.8
940.0	932.8	3.849	3.780	34.435	27.359	31.692	27.352	79.4	14.950	90.2	1480.9	8895.7	9.5
950.0	942.7	3.808	3.738	34.435	27.363	31.744	27.356	79.0	15.029	90.2	1480.8	9044.0	6.0
960.0	952.6	3.791	3.720	34.439	27.368	31.794	27.361	78.6	15.108	90.2	1480.9	9193.0	4.3
970.0	962.5	3.776	3.705	34.443	27.373	31.845	27.365	78.2	15.187	90.2	1481.1	9342.9	4.6
980.0	972.4	3.749	3.677	34.446	27.378	31.897	27.371	77.7	15.265	90.2	1481.1	9493.5	3.7
990.0	982.3	3.734	3.662	34.450	27.383	31.948	27.376	77.3	15.342	90.2	1481.2	9644.8	6.0

Station 18 Latitude 32° 32.14'N Longitude 128° 01.00'W 23 Aug 1989 GMT 10:21 Bottom 4050 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.706	3.632	34.452	27.388	31.999	27.381	76.9	15.419	90.2	1481.3	9797.0	2.2
1020.0	1012.0	3.660	3.586	34.459	27.398	32.101	27.390	76.0	15.572	90.2	1481.4	10103.5	2.5
1040.0	1031.7	3.615	3.539	34.465	27.407	32.203	27.400	75.2	15.723	90.2	1481.6	10412.9	4.9
1060.0	1051.5	3.563	3.486	34.475	27.420	32.308	27.412	74.0	15.872	90.2	1481.7	10725.3	7.5
1080.0	1071.3	3.504	3.426	34.478	27.428	32.409	27.421	73.2	16.020	90.2	1481.8	11040.6	2.0
1100.0	1091.1	3.452	3.372	34.486	27.440	32.513	27.432	72.2	16.165	90.2	1481.9	11358.8	9.9
1120.0	1110.8	3.410	3.329	34.491	27.448	32.614	27.441	71.4	16.309	90.1	1482.0	11679.8	5.2
1140.0	1130.6	3.369	3.287	34.497	27.457	32.715	27.449	70.7	16.451	90.1	1482.2	12003.6	1.7
1160.0	1150.4	3.336	3.253	34.502	27.465	32.815	27.456	70.1	16.592	90.1	1482.4	12330.1	4.1
1180.0	1170.1	3.298	3.214	34.508	27.472	32.915	27.465	69.4	16.731	90.2	1482.6	12659.4	6.7
1200.0	1189.9	3.274	3.188	34.511	27.477	33.012	27.469	69.0	16.869	90.2	1482.8	12991.4	4.1
1220.0	1209.6	3.229	3.142	34.517	27.486	33.113	27.478	68.2	17.007	90.1	1483.0	13326.1	8.2
1240.0	1229.4	3.183	3.095	34.521	27.494	33.213	27.486	67.5	17.142	90.2	1483.1	13663.5	1.8
1260.0	1249.2	3.151	3.061	34.525	27.500	33.311	27.492	67.0	17.277	90.2	1483.3	14003.4	5.3
1280.0	1268.9	3.110	3.019	34.529	27.507	33.411	27.499	66.3	17.410	90.2	1483.5	14346.0	7.4
1300.0	1288.7	3.075	2.983	34.532	27.513	33.509	27.505	65.8	17.542	90.1	1483.7	14691.2	2.1
1320.0	1308.4	3.040	2.947	34.536	27.520	33.607	27.511	65.2	17.673	90.2	1483.8	15039.0	2.7
1340.0	1328.2	3.006	2.911	34.540	27.526	33.706	27.517	64.7	17.803	90.2	1484.0	15389.2	3.9
1360.0	1347.9	2.983	2.887	34.542	27.530	33.802	27.521	64.3	17.932	90.2	1484.3	15742.0	4.8
1380.0	1367.6	2.945	2.848	34.546	27.537	33.901	27.528	63.7	18.060	90.2	1484.4	16097.3	1.6
1400.0	1387.4	2.900	2.802	34.551	27.545	34.001	27.536	63.0	18.186	90.2	1484.6	16455.1	3.0
1420.0	1407.1	2.858	2.759	34.555	27.552	34.100	27.543	62.3	18.312	90.2	1484.7	16815.3	2.7
1440.0	1426.9	2.825	2.724	34.558	27.557	34.198	27.548	61.8	18.436	90.2	1484.9	17178.0	3.3
1460.0	1446.6	2.784	2.681	34.562	27.564	34.297	27.555	61.1	18.559	90.1	1485.1	17543.1	2.5
1480.0	1466.3	2.729	2.626	34.567	27.572	34.398	27.563	60.3	18.680	90.2	1485.2	17910.5	2.2
1500.0	1486.1	2.698	2.593	34.569	27.577	34.495	27.568	59.9	18.801	90.2	1485.4	18280.3	4.2
1520.0	1505.8	2.670	2.564	34.571	27.581	34.591	27.572	59.5	18.920	90.1	1485.6	18652.4	3.7
1540.0	1525.5	2.647	2.539	34.574	27.586	34.687	27.577	59.1	19.039	90.1	1485.9	19026.8	1.9
1560.0	1545.3	2.621	2.512	34.577	27.590	34.783	27.581	58.7	19.157	90.1	1486.1	19403.5	3.7
1580.0	1565.0	2.576	2.467	34.580	27.597	34.882	27.587	58.1	19.273	90.1	1486.2	19782.5	.2
1600.0	1584.7	2.539	2.428	34.583	27.603	34.980	27.593	57.5	19.389	90.2	1486.4	20163.8	2.3
1620.0	1604.4	2.520	2.407	34.585	27.606	35.075	27.596	57.3	19.504	90.1	1486.7	20547.3	-1.0
1640.0	1624.1	2.493	2.379	34.586	27.609	35.170	27.600	57.0	19.618	90.1	1486.9	20933.0	.8
1660.0	1643.8	2.472	2.357	34.589	27.613	35.265	27.604	56.6	19.731	90.2	1487.1	21320.9	6.7
1680.0	1663.6	2.431	2.315	34.592	27.619	35.364	27.610	55.9	19.844	90.1	1487.3	21711.0	5.5
1700.0	1683.3	2.400	2.283	34.595	27.625	35.461	27.615	55.5	19.955	90.1	1487.5	22103.3	3.5
1720.0	1703.0	2.367	2.248	34.598	27.629	35.558	27.620	55.0	20.066	90.1	1487.7	22497.7	2.6
1740.0	1722.7	2.343	2.223	34.599	27.633	35.653	27.623	54.7	20.176	90.1	1487.9	22894.2	1.5
1760.0	1742.4	2.328	2.206	34.601	27.635	35.747	27.625	54.5	20.285	90.1	1488.2	23292.9	.0
1780.0	1762.1	2.317	2.194	34.602	27.637	35.839	27.627	54.4	20.394	90.1	1488.5	23693.7	2.4
1800.0	1781.8	2.296	2.171	34.604	27.640	35.934	27.630	54.1	20.502	90.1	1488.7	24096.5	1.5
1820.0	1801.5	2.272	2.146	34.606	27.644	36.029	27.634	53.7	20.610	90.1	1488.9	24501.5	.3
1840.0	1821.2	2.251	2.124	34.608	27.647	36.124	27.637	53.5	20.717	90.2	1489.2	24908.6	3.0
1860.0	1840.9	2.232	2.104	34.609	27.651	36.218	27.640	53.2	20.824	90.1	1489.4	25317.7	4.5
1880.0	1860.6	2.213	2.083	34.611	27.654	36.312	27.643	52.9	20.930	90.1	1489.7	25728.9	.4
1900.0	1880.3	2.189	2.058	34.613	27.657	36.408	27.647	52.5	21.035	90.1	1489.9	26142.1	.1
1920.0	1900.0	2.164	2.032	34.617	27.662	36.504	27.652	52.1	21.140	90.1	1490.2	26557.3	1.9
1940.0	1919.7	2.148	2.014	34.618	27.665	36.597	27.654	51.9	21.244	90.1	1490.4	26974.6	1.6
1960.0	1939.4	2.128	1.992	34.620	27.668	36.692	27.657	51.5	21.347	90.2	1490.7	27393.9	1.6
1980.0	1959.1	2.106	1.970	34.623	27.672	36.787	27.661	51.2	21.450	90.1	1490.9	27815.1	2.8
2000.0	1978.7	2.096	1.957	34.623	27.673	36.879	27.663	51.1	21.552	90.1	1491.2	28238.3	-.1
2050.0	2027.9	2.054	1.912	34.628	27.680	37.113	27.669	50.5	21.807	90.1	1491.9	29305.0	3.2
2100.0	2077.1	2.018	1.873	34.632	27.687	37.347	27.675	50.0	22.058	90.1	1492.6	30383.9	.9
2150.0	2126.3	1.987	1.838	34.635	27.692	37.578	27.680	49.6	22.307	90.1	1493.3	31474.8	2.4
2200.0	2175.5	1.952	1.799	34.638	27.698	37.810	27.685	49.1	22.553	90.2	1494.0	32577.6	1.5
2250.0	2224.6	1.919	1.762	34.641	27.702	38.041	27.691	48.7	22.798	90.1	1494.7	33692.3	1.0
2300.0	2273.8	1.888	1.728	34.645	27.709	38.273	27.696	48.1	23.040	90.1	1495.4	34818.6	1.6
2350.0	2322.9	1.865	1.700	34.647	27.712	38.502	27.699	47.9	23.280	90.1	1496.1	35956.5	1.1
2400.0	2372.0	1.833	1.665	34.651	27.718	38.733	27.705	47.4	23.518	90.1	1496.8	37105.9	1.7
2450.0	2421.1	1.801	1.628	34.653	27.722	38.964	27.709	47.0	23.754	90.1	1497.5	38266.7	1.1
2500.0	2470.2	1.776	1.599	34.655	27.726	39.192	27.712	46.8	23.989	90.1	1498.3	39438.8	.3
2550.0	2519.3	1.750	1.570	34.657	27.730	39.421	27.717	46.4	24.221	90.1	1499.0	40622.0	-.2
2600.0	2568.4	1.730	1.545	34.659	27.733	39.649	27.720	46.1	24.452	90.1	1499.8	41816.4	.7
2650.0	2617.5	1.709	1.520	34.662	27.738	39.876	27.723	45.9	24.682	90.1	1500.5	43021.8	1.0
2700.0	2666.5	1.684	1.491	34.664	27.741	40.104	27.727	45.6	24.911	90.0	1501.3	44238.1	-.4
2750.0	2715.6	1.664	1.467	34.666	27.745	40.332	27.730	45.3	25.138	90.1	1502.0	45465.4	.2
2800.0	2764.6	1.654	1.453	34.667	27.746	40.555	27.731	45.3	25.364	90.1	1502.8	46703.4	.3
2850.0	2813.6	1.637	1.431	34.668	27.749	40.782	27.734	45.1	25.590	90.1	1503.6	47952.3	2.1
2900.0	2862.6	1.623	1.413	34.670	27.752	41.007	27.736	44.9	25.815	90.0	1504.4	49212.0	.4
2950.0	2911.6	1.608	1.393	34.672	27.754	41.232	27.739	44.7	26.039	90.1	1505.2	50482.4	1.0
3000.0	2960.6	1.596	1.377	34.673	27.756	41.456	27.740	44.7	26.263	90.1	1506.0	51763.4	.4
3050.0	3009.6	1.585	1.361	34.674	27.758	41.680	27.742	44.5	26.486	90.1	1506.8	53055.1	2.2
3062.0	3021.3	1.583	1.359	34.674	27.758	41.733	27.742	44.6	26.539	90.0	1507.0	53366.7	.0

Station 19 Latitude 31° 59.04'N Longitude 128° 41.38'W 23 Aug 1989 GMT 16:48 Bottom 4125 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.881	19.881	33.751	23.841	23.841	23.841	405.2	.000	89.1	1520.3	.0	.0
10.0	10.0	19.875	19.873	33.758	23.849	23.893	23.849	404.8	.405	89.1	1520.5	2.0	13.4
20.0	19.9	19.936	19.932	33.790	23.858	23.945	23.858	404.3	.810	89.2	1520.9	8.1	15.0
30.0	29.9	19.867	19.861	33.846	23.919	24.049	23.918	398.9	1.212	89.2	1520.9	18.2	84.1
40.0	39.9	19.606	19.598	33.926	24.048	24.221	24.046	386.9	1.605	89.2	1520.4	32.2	186.0
50.0	49.8	19.065	19.056	34.035	24.271	24.487	24.268	366.1	1.982	89.0	1519.2	50.1	177.4
60.0	59.8	17.850	17.840	34.126	24.643	24.905	24.641	330.9	2.332	89.1	1516.0	71.6	254.0
70.0	69.8	17.243	17.231	34.128	24.791	25.097	24.788	317.1	2.656	89.2	1514.4	96.5	132.4
80.0	79.7	16.924	16.911	34.096	24.843	25.192	24.840	312.4	2.970	89.2	1513.5	124.5	17.0
90.0	89.7	16.925	16.910	34.131	24.869	25.263	24.866	310.2	3.281	89.3	1513.7	155.6	31.0
100.0	99.7	16.968	16.952	34.197	24.910	25.347	24.906	306.7	3.589	89.3	1514.1	189.8	35.4
110.0	109.6	16.557	16.539	34.287	25.076	25.558	25.072	291.2	3.890	89.3	1513.1	227.1	33.9
120.0	119.6	16.296	16.277	34.225	25.089	25.615	25.085	290.3	4.180	89.4	1512.4	267.2	114.1
130.0	129.5	15.947	15.927	34.250	25.188	25.759	25.184	281.0	4.464	89.6	1511.6	310.3	42.0
140.0	139.5	15.701	15.680	34.311	25.291	25.906	25.286	271.6	4.742	89.6	1511.0	356.1	223.5
150.0	149.4	14.529	14.507	34.186	25.451	26.113	25.447	256.4	5.004	89.8	1507.3	404.6	241.8
160.0	159.4	13.601	13.579	34.059	25.548	26.257	25.543	247.2	5.254	89.8	1504.3	455.6	142.1
170.0	169.3	12.585	12.562	34.029	25.727	26.484	25.723	230.1	5.493	89.9	1501.0	509.1	113.8
180.0	179.3	11.954	11.931	33.938	25.778	26.581	25.773	225.4	5.720	89.8	1498.9	564.8	34.9
190.0	189.2	11.159	11.136	33.919	25.910	26.761	25.906	212.8	5.940	89.9	1496.3	622.8	51.1
200.0	199.1	10.632	10.608	33.823	25.928	26.827	25.924	211.1	6.152	90.0	1494.4	682.9	22.9
210.0	209.1	10.308	10.284	33.813	25.977	26.922	25.973	206.5	6.361	89.9	1493.4	745.1	106.0
220.0	219.0	9.856	9.830	33.882	26.108	27.099	26.103	194.2	6.562	89.9	1492.0	809.4	69.6
230.0	229.0	9.564	9.538	33.932	26.195	27.233	26.191	185.9	6.752	89.9	1491.2	875.5	96.2
240.0	238.9	9.304	9.278	33.957	26.257	27.341	26.253	180.2	6.934	90.0	1490.4	943.5	78.3
250.0	248.8	9.108	9.081	33.960	26.291	27.421	26.287	177.1	7.112	89.8	1489.8	1013.3	4.8
260.0	258.8	8.870	8.843	34.004	26.363	27.540	26.359	170.3	7.286	89.8	1489.2	1084.9	63.3
270.0	268.7	8.704	8.676	34.019	26.401	27.624	26.396	166.9	7.454	89.9	1488.7	1158.1	29.3
280.0	278.6	8.583	8.554	34.041	26.437	27.706	26.433	163.6	7.620	89.8	1488.4	1232.9	56.2
290.0	288.6	8.379	8.349	34.048	26.474	27.789	26.470	160.1	7.781	89.9	1487.8	1309.4	-1.8
300.0	298.5	8.268	8.237	34.045	26.489	27.850	26.484	158.9	7.940	89.9	1487.6	1387.5	33.9
310.0	308.4	8.111	8.079	34.055	26.520	27.927	26.515	156.0	8.098	89.8	1487.2	1467.2	28.1
320.0	318.4	7.955	7.923	34.052	26.541	27.994	26.536	154.1	8.253	89.8	1486.7	1548.4	41.2
330.0	328.3	7.744	7.711	34.060	26.578	28.079	26.574	150.5	8.405	89.8	1486.1	1631.1	32.4
340.0	338.2	7.586	7.552	34.043	26.587	28.135	26.583	149.7	8.555	89.8	1485.6	1715.3	.4
350.0	348.2	7.526	7.492	34.034	26.589	28.182	26.584	149.7	8.705	89.8	1485.5	1801.0	35.6
360.0	358.1	7.343	7.308	34.049	26.627	28.267	26.622	146.1	8.853	89.7	1485.0	1888.1	33.8
370.0	368.0	7.198	7.162	34.040	26.640	28.327	26.635	144.9	8.998	89.7	1484.6	1976.7	47.5
380.0	377.9	7.003	6.968	34.038	26.666	28.399	26.661	142.5	9.141	89.5	1484.0	2066.8	11.5
390.0	387.9	6.738	6.702	34.035	26.699	28.481	26.694	139.3	9.282	89.5	1483.1	2158.2	16.1
400.0	397.8	6.607	6.570	34.038	26.719	28.548	26.715	137.4	9.421	89.4	1482.7	2251.0	39.5
410.0	407.7	6.467	6.430	34.032	26.733	28.608	26.728	136.2	9.558	89.3	1482.3	2345.2	1.1
420.0	417.6	6.341	6.304	34.030	26.747	28.669	26.742	134.8	9.693	89.3	1482.0	2440.7	43.9
430.0	427.6	6.139	6.101	34.036	26.778	28.748	26.774	131.8	9.826	89.2	1481.4	2537.6	14.5
440.0	437.5	5.999	5.961	34.047	26.805	28.821	26.800	129.3	9.957	89.2	1481.0	2635.7	5.2
450.0	447.4	5.917	5.878	34.029	26.801	28.865	26.796	129.7	10.087	89.1	1480.8	2735.2	13.3
460.0	457.3	5.819	5.780	34.037	26.819	28.929	26.814	128.0	10.216	89.0	1480.6	2835.9	7.5
470.0	467.3	5.672	5.632	34.050	26.847	29.005	26.843	125.3	10.342	89.0	1480.2	2937.9	-3.4
480.0	477.2	5.589	5.549	34.047	26.855	29.059	26.851	124.6	10.468	89.0	1480.0	3041.1	42.6
490.0	487.1	5.542	5.501	34.047	26.861	29.111	26.856	124.2	10.591	88.9	1480.0	3145.5	-5.7
500.0	497.0	5.504	5.462	34.072	26.886	29.182	26.881	121.9	10.714	88.8	1480.0	3251.2	-.2
510.0	506.9	5.432	5.390	34.087	26.906	29.249	26.901	120.1	10.836	88.8	1479.9	3358.1	26.5
520.0	516.8	5.323	5.281	34.096	26.926	29.316	26.921	118.2	10.955	88.8	1479.6	3466.2	5.1
530.0	526.8	5.232	5.189	34.095	26.936	29.373	26.931	117.2	11.073	88.8	1479.4	3575.4	.7
540.0	536.7	5.136	5.092	34.104	26.954	29.438	26.949	115.5	11.189	88.9	1479.2	3685.8	-1.1
550.0	546.6	5.045	5.001	34.103	26.964	29.495	26.959	114.6	11.304	89.3	1479.0	3797.3	-.5
560.0	556.5	5.002	4.958	34.103	26.969	29.546	26.964	114.2	11.419	89.4	1479.0	3909.9	2.1
570.0	566.4	5.045	4.999	34.124	26.981	29.604	26.976	113.2	11.533	89.4	1479.3	4023.7	17.1
580.0	576.3	5.003	4.957	34.137	26.996	29.665	26.991	111.8	11.645	89.4	1479.3	4138.6	6.2
590.0	586.3	4.942	4.895	34.147	27.011	29.726	27.006	110.4	11.756	89.5	1479.3	4254.6	16.2
600.0	596.2	4.852	4.805	34.162	27.033	29.795	27.028	108.3	11.866	89.6	1479.1	4371.7	23.5
610.0	606.1	4.802	4.754	34.170	27.045	29.854	27.040	107.3	11.974	89.6	1479.1	4489.9	10.0
620.0	616.0	4.735	4.686	34.176	27.058	29.913	27.052	106.1	12.080	89.6	1478.9	4609.1	13.5
630.0	625.9	4.691	4.642	34.193	27.076	29.978	27.070	104.4	12.186	89.6	1479.0	4729.3	12.4
640.0	635.8	4.659	4.609	34.201	27.085	30.033	27.080	103.6	12.290	89.6	1479.0	4850.6	6.5
650.0	645.7	4.618	4.568	34.210	27.098	30.092	27.092	102.5	12.393	89.6	1479.0	4972.9	6.2
660.0	655.6	4.578	4.527	34.226	27.115	30.156	27.109	100.9	12.495	89.6	1479.0	5096.3	28.8
670.0	665.5	4.503	4.452	34.229	27.125	30.213	27.119	99.9	12.595	89.6	1478.9	5220.6	-3.8
680.0	675.5	4.460	4.408	34.236	27.136	30.270	27.130	99.0	12.695	89.6	1478.9	5345.9	17.6
690.0	685.4	4.410	4.358	34.257	27.158	30.338	27.152	96.9	12.793	89.6	1478.9	5472.1	12.4
700.0	695.3	4.379	4.326	34.253	27.158	30.385	27.152	97.0	12.890	89.6	1478.9	5599.3	15.9
710.0	705.2	4.339	4.286	34.282	27.185	30.458	27.179	94.4	12.986	89.6	1478.9	5727.5	9.7
720.0	715.1	4.297	4.242	34.285	27.192	30.512	27.187	93.8	13.080	89.6	1478.9	5856.6	22.0
730.0	725.0	4.272	4.216	34.289	27.198	30.564	27.192	93.3	13.174	89.6	1479.0	5986.7	11.2
740.0	734.9	4.253	4.197	34.299	27.208	30.620	27.202	92.4	13.267	89.7	1479.1	6117.6	5.0
750.0	744.8	4.238	4.181	34.310	27.219	30.676	27.212	91.5	13.359	89.6	1479.2	6249.5	6.8
760.0	754.7	4.203	4.146	34.314	27.225	30.730	27.219	90.9	13.451	89.6	1479.2	6382.2	16.2
770.0	764.6	4.174	4.117	34.324	27.236	30.787	27.230	90.0	13.541	89.6	1479.3	6515.9	9.2
780.0	774.5	4.123	4.064	34.332	27.248	30.846	27.242	88.8	13.631	89.6	1479.2	6650.4	4.5
790.0	784.4	4.096	4.037	34.333	27.252	30.896	27.246	88.5	13.719	89.6	1479.3	6785.8	8.0
800.0	794.3	4.077	4.018	34.343	27.262	30.952	27.256	87.6	13.807	89.6	1479.4	6922.1	-7.5
810.0	804.2	4.071	4.011	34.347	27.265	31.001	27.260	87.4	13.895	89.6	1479.5	7059.2	7.7
820.0	814.1	4.028	3.967	34.362	27.282	31.064	27.276	85.9	13.981	89.6	1479.5	7197.2	7.7
830.0	824.0	3.980	3.918	34.365	27.289	31.118	27.283	85.1	14.067	89.6	1479.5	7336.1	-1.7
840.0	833.9	3.983	3.921	34.371	27.294	31.168	27.287	84.9	14.152	89.5	1479.7	7475.7	7.4
850.0	843.8	3.948	3.885	34.382	27.306	31.227	27.300	83.7	14.236	89.6	1479.7	7616.3	1.9
860.0	853.7	3.955	3.891	34.381	27.305	31.271	27.299	83.9	14.320	89.6	1479.9	7757.6	7.7
870.0	863.6	3.914	3.850	34.388	27.315	31.328	27.308	83.0	14.403	89.6	1479.9	7899.7	9.8
880.0	873.5	3.870	3.805	34.400	27.329	31.388	27.322	81.7	14.486	89.6	1479.9	8042.7	3.0
890.0	883.4	3.855	3.789	34.402	27.332	31.438	27.325	81.5	14.567	89.6	1480.0	8186.5	15.6
900.0	893.3	3.830	3.764	34.406	27.338	31.490	27.331	81.0	14.649	89.6	1480.1	8331.0	.7
910.0	903.2	3.820	3.753	34.410	27.342	31.540	27.335	80.6	14.729	89.6	1480.2	8476.4	10.7
920.0	913.1	3.796	3.728	34.416	27.350	31.593	27.343	80.0	14.809	89.6	1480.3	8622.5	3.1
930.0	923.0	3.773	3.705	34.426	27.360	31.650	27.353	79.0	14.889	89.6	1480.4	8769.4	-1.0
940.0	932.9	3.753	3.684	34.431	27.366	31.702	27.359	78.5	14.968	89.6	1480.4	8917.1	5.1
950.0	942.8	3.737	3.667	34.439	27.374	31.756	27.367	77.8	15.046	89.6	1480.6	9065.6	9.2
960.0	952.7	3.717	3.647	34.444	27.379	31.807	27.372	77.4	15.124	89.6	1480.6	9214.8	15.4
970.0	962.5	3.700	3.629	34.450	27.386	31.860	27.379	76.8	15.201	89.5	1480.7	9364.8	9.2
980.0	972.4	3.681	3.609	34.452	27.390	31.910	27.383	76.5	15.277	89.6	1480.8	9515.6	11.6
990.0	982.3	3.659	3.587	34.456	27.396	31.962	27.388	76.0	15.353	89.6	1480.9	9667.1	.5

Station 19 Latitude 31° 59.04'N Longitude 128° 41.38'W 23 Aug 1989 GMT 16:48 Bottom 4125 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
1000.0	992.2	3.643	3.570	34.461	27.401	32.013	27.393	75.5	15.429	89.6	1481.0	9819.3	7.8
1020.0	1012.0	3.613	3.539	34.472	27.413	32.117	27.405	74.5	15.579	89.6	1481.2	10126.0	6.3
1040.0	1031.8	3.562	3.486	34.477	27.422	32.219	27.415	73.7	15.727	89.6	1481.3	10435.6	-1.0
1060.0	1051.6	3.522	3.445	34.481	27.429	32.319	27.422	73.1	15.873	89.6	1481.5	10748.0	12.5
1080.0	1071.3	3.488	3.410	34.488	27.438	32.420	27.431	72.3	16.018	89.6	1481.7	11063.3	8.4
1100.0	1091.1	3.452	3.372	34.495	27.447	32.520	27.439	71.6	16.162	89.6	1481.9	11381.5	7.6
1120.0	1110.9	3.419	3.338	34.505	27.458	32.624	27.451	70.5	16.304	89.6	1482.1	11702.4	14.6
1140.0	1130.6	3.388	3.306	34.508	27.464	32.721	27.456	70.1	16.445	89.6	1482.3	12026.1	.5
1160.0	1150.4	3.353	3.270	34.512	27.471	32.820	27.462	69.5	16.584	89.6	1482.5	12352.5	4.1
1180.0	1170.2	3.312	3.227	34.517	27.478	32.921	27.471	68.8	16.723	89.6	1482.7	12681.6	-2.1
1200.0	1189.9	3.263	3.177	34.522	27.487	33.022	27.479	68.1	16.860	89.6	1482.8	13013.5	-8.2
1220.0	1209.7	3.201	3.114	34.529	27.499	33.126	27.491	66.9	16.994	89.5	1482.9	13347.9	8.5
1240.0	1229.4	3.176	3.088	34.531	27.503	33.222	27.495	66.6	17.128	89.4	1483.1	13685.0	2.4
1260.0	1249.2	3.118	3.029	34.539	27.515	33.326	27.506	65.5	17.260	89.6	1483.2	14024.7	1.2
1280.0	1269.0	3.089	2.998	34.539	27.518	33.422	27.509	65.3	17.391	89.6	1483.4	14367.0	3.0
1300.0	1288.7	3.052	2.959	34.544	27.524	33.521	27.516	64.7	17.521	89.4	1483.6	14711.8	.6
1320.0	1308.5	3.025	2.931	34.545	27.528	33.617	27.520	64.4	17.650	89.6	1483.8	15059.1	-4.1
1340.0	1328.2	2.983	2.888	34.549	27.535	33.716	27.527	63.7	17.778	89.6	1483.9	15408.9	5.3
1360.0	1348.0	2.959	2.863	34.551	27.539	33.812	27.531	63.4	17.905	89.5	1484.2	15761.3	-4.3
1380.0	1367.7	2.939	2.842	34.554	27.544	33.907	27.534	63.1	18.032	89.6	1484.4	16116.0	6.5
1400.0	1387.4	2.903	2.805	34.558	27.550	34.006	27.542	62.5	18.157	89.6	1484.6	16473.3	2.1
1420.0	1407.2	2.878	2.778	34.564	27.557	34.105	27.548	61.9	18.282	89.5	1484.8	16832.9	3.9
1440.0	1426.9	2.848	2.747	34.564	27.560	34.200	27.551	61.6	18.405	89.5	1485.0	17195.0	6.0
1460.0	1446.7	2.819	2.716	34.570	27.568	34.299	27.559	60.9	18.528	89.5	1485.3	17559.5	4.2
1480.0	1466.4	2.775	2.671	34.580	27.580	34.403	27.570	59.8	18.649	89.5	1485.4	17926.3	7.8
1500.0	1486.1	2.745	2.640	34.575	27.578	34.493	27.568	60.0	18.769	89.4	1485.6	18295.5	-3.4
1520.0	1505.9	2.715	2.609	34.578	27.583	34.591	27.574	59.5	18.889	89.5	1485.8	18667.0	1.3
1540.0	1525.6	2.690	2.583	34.578	27.586	34.685	27.576	59.3	19.007	89.5	1486.0	19040.8	.2
1560.0	1545.3	2.660	2.551	34.580	27.590	34.781	27.580	58.9	19.126	89.5	1486.2	19416.9	3.1
1580.0	1565.0	2.642	2.532	34.584	27.595	34.877	27.585	58.5	19.243	89.5	1486.5	19795.3	6.9
1600.0	1584.8	2.614	2.502	34.585	27.598	34.972	27.588	58.2	19.360	89.5	1486.7	20176.0	7.3
1620.0	1604.5	2.592	2.479	34.588	27.602	35.068	27.593	57.9	19.476	89.5	1487.0	20558.9	2.3
1640.0	1624.2	2.559	2.445	34.588	27.605	35.163	27.596	57.6	19.591	89.4	1487.2	20944.1	-8.8
1660.0	1643.9	2.523	2.407	34.593	27.612	35.262	27.603	56.9	19.705	89.6	1487.3	21331.5	-.6
1680.0	1663.6	2.489	2.372	34.602	27.623	35.364	27.613	55.9	19.819	89.4	1487.5	21721.1	9.9
1700.0	1683.3	2.459	2.341	34.598	27.622	35.456	27.612	56.0	19.931	89.5	1487.7	22112.9	2.3
1720.0	1703.1	2.434	2.314	34.602	27.627	35.553	27.617	55.5	20.042	89.6	1488.0	22506.9	5.9
1740.0	1722.8	2.413	2.292	34.604	27.631	35.647	27.621	55.2	20.153	89.5	1488.2	22903.0	-1.2
1760.0	1742.5	2.384	2.262	34.606	27.635	35.743	27.625	54.8	20.263	89.4	1488.4	23301.3	10.9
1780.0	1762.2	2.357	2.234	34.608	27.638	35.838	27.628	54.5	20.372	89.4	1488.6	23701.6	8.2
1800.0	1781.9	2.333	2.208	34.610	27.642	35.934	27.632	54.1	20.481	89.5	1488.9	24104.1	.9
1820.0	1801.6	2.309	2.183	34.612	27.646	36.029	27.636	53.7	20.589	89.6	1489.1	24508.7	.1
1840.0	1821.3	2.292	2.164	34.614	27.649	36.123	27.639	53.5	20.696	89.4	1489.4	24915.3	2.7
1860.0	1841.0	2.271	2.142	34.614	27.651	36.217	27.641	53.3	20.803	89.4	1489.6	25324.1	5.1
1880.0	1860.7	2.243	2.113	34.618	27.657	36.313	27.646	52.8	20.909	89.5	1489.8	25734.8	7.4
1900.0	1880.4	2.211	2.079	34.620	27.661	36.410	27.650	52.3	21.014	89.6	1490.0	26147.7	1.9
1920.0	1900.1	2.187	2.055	34.621	27.664	36.504	27.653	52.1	21.118	89.4	1490.3	26562.5	-1.6
1940.0	1919.8	2.169	2.035	34.623	27.667	36.599	27.656	51.8	21.222	89.4	1490.5	26979.3	4.0
1960.0	1939.4	2.144	2.009	34.625	27.670	36.693	27.660	51.4	21.325	89.5	1490.8	27398.2	-3.6
1980.0	1959.1	2.130	1.993	34.625	27.672	36.785	27.661	51.3	21.428	89.4	1491.0	27819.0	-.1
2000.0	1978.8	2.111	1.973	34.629	27.676	36.881	27.665	50.9	21.530	89.4	1491.3	28241.9	2.0
2050.0	2028.0	2.067	1.925	34.629	27.681	37.113	27.669	50.6	21.783	89.4	1491.9	29307.5	-1.2
2100.0	2077.2	2.008	1.863	34.635	27.690	37.350	27.678	49.6	22.033	89.4	1492.5	30385.2	1.1
2150.0	2126.4	1.967	1.819	34.638	27.696	37.583	27.685	49.1	22.280	89.4	1493.2	31474.9	4.1
2200.0	2175.6	1.945	1.792	34.640	27.699	37.812	27.687	48.9	22.525	89.4	1493.9	32576.5	1.2
2250.0	2224.7	1.911	1.754	34.644	27.705	38.044	27.693	48.4	22.768	89.5	1494.6	33689.7	6.5
2300.0	2273.9	1.881	1.720	34.646	27.710	38.275	27.698	48.0	23.008	89.4	1495.3	34814.6	1.3
2350.0	2323.0	1.853	1.689	34.650	27.715	38.506	27.703	47.5	23.247	89.5	1496.1	35951.0	1.6
2400.0	2372.1	1.823	1.655	34.654	27.721	38.737	27.708	47.1	23.484	89.4	1496.8	37098.8	3.1
2450.0	2421.2	1.802	1.629	34.655	27.724	38.965	27.711	46.9	23.719	89.4	1497.5	38257.9	-1.2
2500.0	2470.3	1.778	1.602	34.657	27.727	39.193	27.714	46.6	23.952	89.4	1498.3	39428.2	2.1
2550.0	2519.4	1.748	1.567	34.660	27.733	39.424	27.719	46.1	24.184	89.4	1499.0	40609.7	-1.7
2600.0	2568.5	1.732	1.547	34.661	27.735	39.650	27.721	46.0	24.414	89.4	1499.8	41802.3	1.6
2650.0	2617.6	1.711	1.522	34.663	27.738	39.878	27.725	45.8	24.644	89.4	1500.5	43005.9	-.4
2700.0	2666.6	1.691	1.498	34.665	27.742	40.105	27.728	45.5	24.872	89.4	1501.3	44220.4	.8
2750.0	2715.7	1.674	1.477	34.667	27.745	40.331	27.730	45.4	25.099	89.4	1502.1	45445.8	2.3
2800.0	2764.7	1.656	1.454	34.669	27.748	40.557	27.733	45.1	25.325	89.4	1502.8	46682.0	1.4
2850.0	2813.7	1.635	1.430	34.672	27.752	40.785	27.737	44.8	25.550	89.4	1503.6	47929.0	3.5
2900.0	2862.7	1.617	1.407	34.673	27.754	41.010	27.739	44.7	25.773	89.4	1504.4	49186.7	.1
2950.0	2911.7	1.603	1.389	34.674	27.757	41.235	27.742	44.5	25.996	89.4	1505.2	50455.0	1.0
2994.0	2954.9	1.593	1.374	34.676	27.759	41.433	27.743	44.3	26.192	89.4	1505.9	51579.9	.0

Station 20 Latitude 32° 12.37'N Longitude 128° 33.21'W 23 Aug 1989 GMT 20:17 Bottom 4425 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.938	19.938	33.769	23.840	23.840	23.840	405.3	.000	89.1	1520.5	.0	.0
10.0	10.0	19.939	19.937	33.766	23.839	23.882	23.838	405.8	.405	89.1	1520.7	2.0	23.8
20.0	19.9	19.933	19.929	33.810	23.874	23.961	23.873	402.8	.810	89.0	1520.9	8.1	53.8
30.0	29.9	19.966	19.961	33.889	23.926	24.056	23.924	398.2	1.211	89.2	1521.2	18.2	104.4
40.0	39.9	19.820	19.813	33.959	24.018	24.191	24.016	389.8	1.605	88.9	1521.1	32.2	127.8
50.0	49.8	19.611	19.602	33.993	24.099	24.315	24.096	382.5	1.992	89.1	1520.7	50.1	94.4
60.0	59.8	18.277	18.267	34.097	24.516	24.777	24.514	343.0	2.356	89.0	1517.2	71.8	149.2
70.0	69.8	17.469	17.458	34.146	24.751	25.056	24.748	321.0	2.687	89.1	1515.1	97.0	103.4
80.0	79.7	17.047	17.034	34.107	24.822	25.172	24.819	314.4	3.005	89.3	1513.9	125.3	87.0
90.0	89.7	16.868	16.853	34.161	24.906	25.299	24.902	306.8	3.315	89.3	1513.6	156.8	121.2
100.0	99.7	16.401	16.385	34.148	25.005	25.443	25.001	297.6	3.617	89.4	1512.3	191.3	19.8
110.0	109.6	16.064	16.046	34.105	25.050	25.532	25.046	293.6	3.914	89.4	1511.4	228.8	43.5
120.0	119.6	15.862	15.843	34.158	25.136	25.663	25.132	285.7	4.204	89.4	1511.0	269.2	111.7
130.0	129.5	15.032	15.012	34.100	25.276	25.849	25.272	272.5	4.484	89.5	1508.5	312.4	99.8
140.0	139.5	14.385	14.365	34.032	25.363	25.982	25.359	264.4	4.753	89.7	1506.5	358.4	4.3
150.0	149.4	13.692	13.671	33.963	25.455	26.119	25.450	255.8	5.016	89.7	1504.3	407.0	163.2
160.0	159.4	13.053	13.031	33.919	25.550	26.260	25.545	246.9	5.268	89.8	1502.3	458.2	92.2
170.0	169.3	12.325	12.302	33.845	25.635	26.393	25.631	238.8	5.511	89.8	1499.9	511.8	84.1
180.0	179.3	11.782	11.759	33.820	25.718	26.522	25.714	231.0	5.746	89.8	1498.2	567.8	59.7
190.0	189.2	10.982	10.958	33.804	25.852	26.704	25.848	218.2	5.971	89.9	1495.5	626.1	-3.7
200.0	199.1	10.558	10.535	33.770	25.900	26.799	25.896	213.7	6.187	89.8	1494.1	686.5	58.3
210.0	209.1	10.230	10.206	33.816	25.993	26.937	25.988	205.0	6.396	89.9	1493.1	749.0	27.8
220.0	219.0	9.943	9.918	33.814	26.040	27.031	26.036	200.6	6.597	89.9	1492.2	813.6	53.2
230.0	229.0	9.662	9.637	33.855	26.119	27.156	26.115	193.2	6.793	89.9	1491.4	880.2	21.0
240.0	238.9	9.525	9.498	33.917	26.190	27.273	26.186	186.6	6.984	89.8	1491.2	948.7	60.8
250.0	248.8	9.369	9.341	33.944	26.237	27.366	26.233	182.3	7.169	89.9	1490.8	1019.0	72.5
260.0	258.8	9.087	9.059	33.975	26.306	27.482	26.302	175.8	7.348	89.8	1489.9	1091.1	33.8
270.0	268.7	8.888	8.859	34.008	26.364	27.585	26.359	170.5	7.521	89.8	1489.4	1165.0	65.4
280.0	278.6	8.611	8.581	34.023	26.419	27.688	26.415	165.3	7.689	89.8	1488.5	1240.5	10.9
290.0	288.6	8.394	8.364	34.017	26.447	27.762	26.443	162.7	7.852	89.7	1487.9	1317.7	-10.3
300.0	298.5	8.225	8.194	34.043	26.494	27.855	26.489	158.3	8.013	89.6	1487.4	1396.5	4.9
310.0	308.4	8.118	8.087	34.020	26.492	27.899	26.487	158.6	8.172	89.4	1487.1	1476.9	53.2
320.0	318.4	7.993	7.961	34.023	26.512	27.966	26.507	156.8	8.329	89.1	1486.8	1558.8	55.3
330.0	328.3	7.760	7.727	34.047	26.566	28.066	26.561	151.8	8.482	88.7	1486.1	1642.3	.8
340.0	338.2	7.673	7.639	34.027	26.562	28.109	26.557	152.2	8.634	88.2	1485.9	1727.3	42.6
350.0	348.2	7.510	7.476	34.036	26.593	28.186	26.588	149.3	8.785	87.6	1485.5	1813.8	36.5
360.0	358.1	7.353	7.319	34.044	26.622	28.262	26.617	146.6	8.933	86.9	1485.0	1901.7	25.6
370.0	368.0	7.161	7.126	34.040	26.645	28.332	26.641	144.4	9.078	86.1	1484.4	1991.1	31.4
380.0	377.9	6.980	6.944	34.045	26.674	28.408	26.669	141.7	9.222	85.4	1483.9	2082.0	43.1
390.0	387.9	6.816	6.780	34.029	26.684	28.465	26.679	140.8	9.363	84.8	1483.4	2174.2	-.3
400.0	397.8	6.716	6.679	34.036	26.703	28.530	26.698	139.1	9.503	84.2	1483.2	2267.8	33.4
410.0	407.7	6.509	6.472	34.044	26.737	28.612	26.732	135.8	9.641	83.6	1482.5	2362.8	25.5
420.0	417.6	6.369	6.331	34.037	26.750	28.671	26.745	134.6	9.776	83.1	1482.1	2459.2	51.8
430.0	427.6	6.181	6.143	34.044	26.779	28.749	26.774	131.7	9.909	82.7	1481.5	2556.8	29.2
440.0	437.5	6.098	6.060	34.047	26.792	28.808	26.787	130.6	10.040	82.2	1481.4	2655.8	4.9
450.0	447.4	5.932	5.894	34.042	26.809	28.872	26.804	129.0	10.170	81.9	1480.9	2756.1	-12.7
460.0	457.3	5.821	5.782	34.042	26.823	28.933	26.819	127.6	10.299	81.6	1480.6	2857.6	18.3
470.0	467.3	5.707	5.668	34.037	26.833	28.990	26.828	126.7	10.426	81.4	1480.3	2960.4	3.1
480.0	477.2	5.660	5.620	34.032	26.835	29.038	26.830	126.6	10.552	81.4	1480.3	3064.5	2.5
490.0	487.1	5.628	5.587	34.055	26.857	29.107	26.852	124.6	10.678	81.3	1480.3	3169.8	19.5
500.0	497.0	5.516	5.475	34.067	26.880	29.176	26.875	122.5	10.802	81.3	1480.0	3276.3	7.7
510.0	506.9	5.427	5.385	34.067	26.890	29.234	26.885	121.5	10.924	81.3	1479.8	3384.1	41.1
520.0	516.8	5.333	5.290	34.066	26.901	29.291	26.896	120.5	11.045	81.4	1479.6	3493.0	-10.4
530.0	526.8	5.255	5.212	34.071	26.914	29.351	26.909	119.3	11.165	84.4	1479.5	3603.2	45.8
540.0	536.7	5.164	5.120	34.076	26.929	29.413	26.924	117.9	11.284	84.8	1479.3	3714.5	26.7
550.0	546.6	5.094	5.050	34.085	26.944	29.475	26.940	116.4	11.401	85.2	1479.2	3826.9	13.5
560.0	556.5	5.035	4.990	34.088	26.953	29.530	26.948	115.7	11.517	85.6	1479.1	3940.6	-3.7
570.0	566.4	4.942	4.897	34.098	26.972	29.596	26.967	113.9	11.632	86.0	1478.9	4055.3	7.7
580.0	576.3	4.922	4.876	34.107	26.981	29.651	26.976	113.1	11.745	86.5	1479.0	4171.2	3.3
590.0	586.3	4.900	4.854	34.118	26.992	29.708	26.987	112.1	11.858	87.0	1479.1	4288.2	10.3
600.0	596.2	4.849	4.802	34.129	27.008	29.770	27.002	110.8	11.969	87.4	1479.0	4406.3	16.8
610.0	606.1	4.818	4.771	34.143	27.021	29.830	27.016	109.5	12.079	87.8	1479.1	4525.5	16.8
620.0	616.0	4.770	4.722	34.149	27.032	29.887	27.027	108.6	12.189	88.3	1479.1	4645.8	5.6
630.0	625.9	4.731	4.682	34.157	27.043	29.944	27.038	107.6	12.297	88.5	1479.1	4767.1	12.4
640.0	635.8	4.671	4.621	34.182	27.069	30.017	27.063	105.2	12.403	88.9	1479.0	4889.5	40.2
650.0	645.7	4.600	4.550	34.188	27.082	30.077	27.076	103.9	12.508	89.2	1478.9	5012.9	8.3
660.0	655.6	4.566	4.515	34.192	27.089	30.130	27.084	103.3	12.612	89.3	1478.9	5137.4	-.5
670.0	665.5	4.544	4.493	34.210	27.106	30.193	27.100	101.8	12.715	89.4	1479.0	5262.9	27.3
680.0	675.5	4.500	4.448	34.223	27.121	30.254	27.115	100.5	12.816	89.4	1479.0	5389.4	8.3
690.0	685.4	4.461	4.408	34.229	27.130	30.310	27.125	99.6	12.916	89.4	1479.0	5516.8	-1.7
700.0	695.3	4.397	4.344	34.245	27.149	30.376	27.144	97.8	13.015	89.4	1478.9	5645.3	9.1
710.0	705.2	4.380	4.326	34.252	27.157	30.430	27.151	97.1	13.113	89.4	1479.1	5774.7	19.1
720.0	715.1	4.327	4.272	34.259	27.168	30.487	27.162	96.1	13.209	89.6	1479.0	5905.1	-1.7
730.0	725.0	4.292	4.237	34.272	27.182	30.548	27.176	94.8	13.305	89.4	1479.0	6036.4	10.6
740.0	734.9	4.282	4.226	34.282	27.192	30.603	27.186	94.0	13.399	89.5	1479.2	6168.7	15.9
750.0	744.8	4.259	4.202	34.295	27.204	30.662	27.198	92.9	13.493	89.6	1479.3	6301.8	17.6
760.0	754.7	4.240	4.182	34.299	27.209	30.713	27.203	92.5	13.585	89.4	1479.4	6435.9	14.4
770.0	764.6	4.205	4.147	34.306	27.219	30.769	27.213	91.6	13.677	89.5	1479.4	6570.9	8.9
780.0	774.5	4.177	4.118	34.312	27.227	30.823	27.220	91.0	13.769	89.5	1479.4	6706.8	2.4
790.0	784.4	4.164	4.104	34.314	27.230	30.872	27.224	90.7	13.859	89.6	1479.5	6843.6	-10.5
800.0	794.3	4.142	4.082	34.323	27.240	30.928	27.233	89.9	13.950	89.6	1479.6	6981.3	-3.4
810.0	804.2	4.137	4.076	34.326	27.242	30.976	27.236	89.7	14.039	89.6	1479.8	7119.8	3.6
820.0	814.1	4.116	4.054	34.341	27.256	31.037	27.250	88.4	14.129	89.5	1479.9	7259.3	26.5
830.0	824.0	4.090	4.028	34.353	27.269	31.095	27.263	87.3	14.216	89.4	1479.9	7399.6	1.0
840.0	833.9	4.081	4.018	34.353	27.270	31.142	27.263	87.3	14.304	89.5	1480.1	7540.7	2.2
850.0	843.8	4.062	3.998	34.363	27.280	31.198	27.273	86.4	14.390	89.4	1480.2	7682.7	12.7
860.0	853.7	4.051	3.986	34.368	27.285	31.249	27.278	86.0	14.477	89.6	1480.3	7825.6	8.3
870.0	863.6	4.037	3.972	34.372	27.290	31.300	27.283	85.6	14.562	89.5	1480.4	7969.3	.7
880.0	873.5	4.023	3.957	34.377	27.295	31.351	27.288	85.2	14.648	89.4	1480.5	8113.9	4.0
890.0	883.4	3.999	3.932	34.385	27.304	31.406	27.297	84.4	14.733	89.5	1480.6	8259.3	14.2
900.0	893.3	3.965	3.898	34.394	27.315	31.464	27.308	83.4	14.816	89.4	1480.6	8405.5	4.0
910.0	903.2	3.947	3.879	34.402	27.323	31.517	27.316	82.7	14.899	89.4	1480.7	8552.5	-6.3
920.0	913.1	3.929	3.861	34.407	27.329	31.570	27.322	82.2	14.982	89.4	1480.8	8700.3	-1.0
930.0	923.0	3.911	3.842	34.412	27.335	31.622	27.328	81.7	15.064	89.6	1480.9	8849.0	5.2
940.0	932.9	3.881	3.812	34.421	27.345	31.678	27.338	80.8	15.145	89.5	1481.0	8998.4	10.1
950.0	942.8	3.867	3.797	34.426	27.350	31.729	27.343	80.4	15.225	89.5	1481.1	9148.7	2.8
960.0	952.7	3.845	3.774	34.432	27.357	31.782	27.350	79.7	15.305	89.5	1481.2	9299.7	10.4
970.0	962.5	3.828	3.756	34.435	27.362	31.833	27.354	79.4	15.385	89.6	1481.3	9451.5	6.6
980.0	972.4	3.808	3.736	34.441	27.368	31.885	27.361	78.8	15.464	89.5	1481.4	9604.1	9.6
990.0	982.3	3.789	3.715	34.444	27.373	31.936	27.366	78.4	15.542	89.5	1481.4	9757.4	6.6

Station 20 Latitude 32° 12.37'N Longitude 128° 33.21'W 23 Aug 1989 GMT 20:17 Bottom 4425 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
1000.0	992.2	3.758	3.684	34.450	27.381	31.990	27.373	77.7	15.620	89.4	1481.5	9911.5	16.6
1020.0	1012.0	3.708	3.633	34.458	27.393	32.095	27.385	76.6	15.774	89.4	1481.6	10222.0	4.9
1040.0	1031.8	3.667	3.591	34.463	27.400	32.195	27.393	76.0	15.927	89.4	1481.8	10535.5	9.3
1060.0	1051.6	3.618	3.541	34.472	27.412	32.299	27.405	74.9	16.077	89.5	1481.9	10852.0	13.7
1080.0	1071.3	3.587	3.508	34.480	27.422	32.401	27.414	74.1	16.226	89.4	1482.1	11171.4	5.2
1100.0	1091.1	3.537	3.457	34.486	27.432	32.503	27.424	73.2	16.373	89.4	1482.2	11493.6	4.9
1120.0	1110.9	3.487	3.406	34.492	27.441	32.605	27.434	72.3	16.519	89.4	1482.4	11818.8	4.4
1140.0	1130.6	3.440	3.358	34.498	27.451	32.707	27.443	71.5	16.663	89.4	1482.5	12146.8	9.9
1160.0	1150.4	3.396	3.312	34.506	27.462	32.810	27.454	70.5	16.805	89.4	1482.7	12477.5	12.6
1180.0	1170.2	3.341	3.256	34.514	27.473	32.914	27.465	69.4	16.944	89.4	1482.8	12811.0	2.3
1200.0	1189.9	3.294	3.208	34.521	27.484	33.018	27.476	68.4	17.083	89.4	1482.9	13147.2	11.7
1220.0	1209.7	3.251	3.163	34.523	27.489	33.115	27.481	68.0	17.219	89.4	1483.1	13486.1	2.3
1240.0	1229.4	3.215	3.126	34.529	27.498	33.216	27.489	67.2	17.355	89.5	1483.3	13827.7	7.3
1260.0	1249.2	3.184	3.094	34.527	27.499	33.309	27.491	67.2	17.489	89.4	1483.4	14171.9	-1.1
1280.0	1269.0	3.143	3.052	34.533	27.507	33.410	27.499	66.4	17.622	89.4	1483.6	14518.7	7.4
1300.0	1288.7	3.095	3.003	34.539	27.517	33.512	27.508	65.5	17.754	89.4	1483.7	14868.1	2.1
1320.0	1308.5	3.057	2.963	34.540	27.521	33.608	27.513	65.1	17.885	89.4	1483.9	15220.0	1.5
1340.0	1328.2	3.024	2.929	34.541	27.525	33.704	27.517	64.8	18.014	89.4	1484.1	15574.5	2.7
1360.0	1348.0	2.981	2.885	34.551	27.537	33.808	27.528	63.7	18.143	89.5	1484.3	15931.5	13.6
1380.0	1367.7	2.946	2.848	34.550	27.540	33.903	27.531	63.5	18.270	89.4	1484.4	16290.9	.7
1400.0	1387.4	2.913	2.814	34.555	27.546	34.002	27.538	62.8	18.396	89.4	1484.6	16652.9	3.9
1420.0	1407.2	2.878	2.778	34.558	27.552	34.100	27.544	62.3	18.521	89.4	1484.8	17017.2	3.3
1440.0	1426.9	2.839	2.738	34.559	27.557	34.197	27.548	61.9	18.645	89.4	1485.0	17384.0	4.5
1460.0	1446.7	2.801	2.698	34.565	27.565	34.297	27.556	61.1	18.768	89.4	1485.2	17753.2	8.9
1480.0	1466.4	2.775	2.671	34.568	27.569	34.393	27.560	60.7	18.890	89.4	1485.4	18124.8	5.7
1500.0	1486.1	2.743	2.638	34.570	27.574	34.490	27.565	60.3	19.011	89.4	1485.6	18498.8	1.6
1520.0	1505.8	2.717	2.610	34.572	27.579	34.586	27.569	59.9	19.131	89.4	1485.8	18875.0	1.0
1540.0	1525.6	2.681	2.573	34.576	27.584	34.684	27.575	59.4	19.251	89.4	1486.0	19253.6	-.7
1560.0	1545.3	2.660	2.551	34.577	27.587	34.779	27.578	59.2	19.369	89.4	1486.2	19634.6	-2.2
1580.0	1565.0	2.629	2.518	34.581	27.594	34.877	27.584	58.6	19.487	89.4	1486.5	20017.8	4.0
1600.0	1584.8	2.595	2.484	34.584	27.599	34.974	27.589	58.1	19.603	89.4	1486.6	20403.2	7.0
1620.0	1604.5	2.574	2.461	34.587	27.603	35.070	27.593	57.7	19.719	89.4	1486.9	20791.0	-5.9
1640.0	1624.2	2.552	2.438	34.589	27.607	35.165	27.597	57.4	19.834	89.5	1487.1	21181.0	11.1
1660.0	1643.9	2.517	2.401	34.591	27.611	35.261	27.601	57.0	19.948	89.4	1487.3	21573.1	1.4
1680.0	1663.6	2.484	2.367	34.596	27.618	35.360	27.608	56.3	20.062	89.4	1487.5	21967.5	5.5
1700.0	1683.3	2.440	2.322	34.597	27.622	35.457	27.612	55.9	20.174	89.4	1487.7	22364.1	-6.5
1720.0	1703.1	2.413	2.293	34.599	27.627	35.553	27.617	55.4	20.285	89.6	1487.9	22762.9	-7.6
1740.0	1722.8	2.390	2.270	34.600	27.629	35.647	27.619	55.2	20.396	89.4	1488.1	23163.8	6.5
1760.0	1742.5	2.357	2.235	34.603	27.634	35.744	27.624	54.8	20.505	89.4	1488.3	23566.8	-.9
1780.0	1762.2	2.333	2.210	34.604	27.638	35.839	27.628	54.4	20.614	89.4	1488.5	23971.9	8.8
1800.0	1781.9	2.304	2.179	34.607	27.642	35.935	27.632	54.0	20.723	89.4	1488.7	24379.2	.0
1820.0	1801.6	2.277	2.152	34.610	27.647	36.031	27.636	53.5	20.830	89.4	1489.0	24788.5	7.7
1840.0	1821.3	2.245	2.118	34.612	27.652	36.128	27.642	53.0	20.937	89.4	1489.2	25199.9	.1
1860.0	1841.0	2.225	2.097	34.613	27.654	36.222	27.644	52.8	21.042	89.4	1489.4	25613.3	4.2
1880.0	1860.7	2.201	2.072	34.616	27.658	36.318	27.648	52.4	21.147	89.4	1489.7	26028.8	1.0
1900.0	1880.4	2.182	2.052	34.618	27.662	36.412	27.651	52.1	21.252	89.4	1489.9	26446.3	.1
1920.0	1900.1	2.152	2.019	34.621	27.666	36.508	27.656	51.7	21.356	89.4	1490.1	26865.8	8.0
1940.0	1919.8	2.123	1.990	34.623	27.670	36.604	27.660	51.3	21.459	89.4	1490.3	27287.3	3.7
1960.0	1939.4	2.101	1.966	34.625	27.674	36.699	27.663	50.9	21.561	89.4	1490.6	27710.8	-.4
1980.0	1959.1	2.090	1.953	34.626	27.676	36.792	27.665	50.8	21.662	89.4	1490.9	28136.3	3.1
2000.0	1978.8	2.072	1.934	34.627	27.678	36.885	27.668	50.5	21.764	89.4	1491.1	28563.7	-2.2
2050.0	2028.0	2.023	1.882	34.634	27.687	37.122	27.676	49.7	22.014	89.4	1491.7	29640.7	3.2
2100.0	2077.2	1.985	1.840	34.637	27.693	37.354	27.682	49.2	22.261	89.4	1492.4	30729.7	.0
2150.0	2126.4	1.947	1.799	34.640	27.699	37.588	27.688	48.7	22.506	89.4	1493.1	31830.5	2.6
2200.0	2175.6	1.917	1.765	34.644	27.705	37.819	27.693	48.2	22.749	89.4	1493.8	32943.1	3.3
2250.0	2224.7	1.894	1.737	34.646	27.708	38.049	27.696	48.0	22.989	89.4	1494.6	34067.3	-.5
2300.0	2273.9	1.866	1.706	34.648	27.712	38.278	27.700	47.7	23.228	89.4	1495.3	35202.9	-1.3
2350.0	2323.0	1.836	1.672	34.652	27.718	38.510	27.705	47.2	23.465	89.4	1496.0	36350.1	1.6
2400.0	2372.1	1.813	1.645	34.653	27.721	38.738	27.708	47.0	23.701	89.4	1496.7	37508.5	-1.0
2450.0	2421.2	1.787	1.615	34.657	27.726	38.968	27.713	46.6	23.934	89.4	1497.5	38678.2	2.6
2500.0	2470.3	1.767	1.590	34.658	27.729	39.196	27.716	46.4	24.167	89.4	1498.2	39859.1	.6
2550.0	2519.4	1.750	1.569	34.660	27.732	39.423	27.719	46.2	24.398	89.4	1499.0	41051.1	3.0
2600.0	2568.5	1.729	1.544	34.661	27.735	39.650	27.722	46.0	24.628	89.4	1499.8	42254.1	-2.5
2650.0	2617.6	1.711	1.522	34.665	27.739	39.878	27.726	45.7	24.857	89.4	1500.5	43468.1	-.7
2700.0	2666.6	1.690	1.497	34.667	27.743	40.106	27.729	45.4	25.085	89.4	1501.3	44693.1	2.8
2750.0	2715.6	1.672	1.475	34.667	27.745	40.332	27.731	45.3	25.312	89.4	1502.1	45928.9	1.7
2800.0	2764.7	1.653	1.452	34.669	27.748	40.558	27.733	45.1	25.538	89.4	1502.8	47175.5	-1.2
2850.0	2813.7	1.639	1.433	34.671	27.751	40.783	27.736	44.9	25.763	89.4	1503.6	48432.9	-.6
2900.0	2862.7	1.624	1.414	34.671	27.752	41.008	27.737	44.8	25.986	89.3	1504.4	49701.0	.6
2950.0	2911.7	1.608	1.393	34.674	27.757	41.235	27.741	44.5	26.210	89.4	1505.2	50979.8	.7
3000.0	2960.7	1.596	1.377	34.675	27.758	41.458	27.743	44.5	26.432	89.4	1506.0	52269.2	.2
3050.0	3009.7	1.581	1.357	34.677	27.761	41.683	27.745	44.3	26.654	89.4	1506.8	53569.2	-1.3
3100.0	3058.6	1.573	1.345	34.679	27.764	41.907	27.747	44.2	26.876	89.4	1507.6	54879.8	.0
3100.0	3058.6	1.573	1.345	34.679	27.764	41.907	27.747	44.2	26.876	89.4	1507.6	54879.8	.0

Station 21 Latitude 32° 25.21'N Longitude 128° 25.22'W 24 Aug 1989 GMT 00:04 Bottom 4250 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.918	19.918	33.742	23.825	23.825	23.825	406.7	.000	90.2	1520.4	.0	.0
10.0	10.0	19.899	19.897	33.788	23.866	23.909	23.865	403.2	.405	90.2	1520.6	2.0	35.4
20.0	19.9	19.788	19.785	33.877	23.963	24.049	23.962	394.4	.804	89.8	1520.6	8.1	38.4
30.0	29.9	19.718	19.712	33.857	23.967	24.097	23.965	394.3	1.199	90.2	1520.5	18.0	33.5
40.0	39.9	19.623	19.616	33.844	23.982	24.155	23.980	393.3	1.592	90.1	1520.4	32.0	8.0
50.0	49.8	19.572	19.563	33.909	24.045	24.261	24.042	387.6	1.984	90.2	1520.5	49.8	145.0
60.0	59.8	18.330	18.319	34.091	24.498	24.760	24.496	344.7	2.358	90.2	1517.3	71.4	538.4
70.0	69.8	17.186	17.174	34.015	24.718	25.024	24.715	324.0	2.691	90.2	1514.1	96.6	209.1
80.0	79.7	16.813	16.800	34.044	24.828	25.178	24.825	313.8	3.009	90.3	1513.1	125.0	70.5
90.0	89.7	16.683	16.669	34.024	24.844	25.238	24.840	312.6	3.322	90.4	1512.9	156.5	44.5
100.0	99.7	16.367	16.351	34.114	24.986	25.425	24.983	299.4	3.629	90.5	1512.2	191.1	101.5
110.0	109.6	16.074	16.057	34.092	25.037	25.519	25.033	294.8	3.927	90.5	1511.4	228.7	21.0
120.0	119.6	15.690	15.671	33.999	25.052	25.580	25.049	293.6	4.221	90.5	1510.3	269.3	115.8
130.0	129.5	15.559	15.539	34.132	25.185	25.756	25.180	281.3	4.508	90.7	1510.2	312.7	140.6
140.0	139.5	14.410	14.389	34.113	25.420	26.039	25.416	258.9	4.777	90.8	1506.7	359.0	27.1
150.0	149.4	13.409	13.388	34.032	25.565	26.231	25.561	245.2	5.030	90.9	1503.5	407.8	44.2
160.0	159.4	12.820	12.798	33.960	25.628	26.339	25.624	239.4	5.273	91.0	1501.6	459.0	115.3
170.0	169.3	12.245	12.223	33.932	25.718	26.476	25.714	230.9	5.510	91.0	1499.7	512.6	143.6
180.0	179.3	11.832	11.809	33.862	25.742	26.545	25.737	228.8	5.739	91.2	1498.4	568.6	96.6
190.0	189.2	11.182	11.159	33.923	25.908	26.759	25.904	213.0	5.960	91.1	1496.3	626.8	65.5
200.0	199.1	10.693	10.670	33.843	25.934	26.831	25.929	210.6	6.172	91.2	1494.7	687.1	30.8
210.0	209.1	10.148	10.124	33.904	26.076	27.021	26.072	197.1	6.378	91.2	1492.9	749.5	108.0
220.0	219.0	9.786	9.761	33.888	26.124	27.115	26.120	192.6	6.572	91.2	1491.8	813.8	60.0
230.0	228.9	9.438	9.412	33.921	26.208	27.246	26.203	184.8	6.760	91.2	1490.7	880.1	99.1
240.0	238.9	9.264	9.238	33.965	26.270	27.354	26.265	179.0	6.941	91.1	1490.3	948.2	35.6
250.0	248.8	9.039	9.012	33.988	26.324	27.455	26.320	173.9	7.116	91.1	1489.6	1018.0	6.5
260.0	258.8	8.812	8.784	34.026	26.389	27.566	26.385	167.8	7.287	91.1	1489.0	1089.6	73.0
270.0	268.7	8.718	8.689	34.026	26.405	27.627	26.400	166.5	7.454	91.1	1488.8	1162.8	65.1
280.0	278.6	8.472	8.443	34.049	26.461	27.730	26.456	161.3	7.616	91.1	1488.0	1237.6	17.3
290.0	288.6	8.204	8.174	34.047	26.499	27.816	26.495	157.6	7.775	91.0	1487.2	1314.1	17.5
300.0	298.5	8.043	8.012	34.038	26.517	27.879	26.513	156.0	7.932	91.0	1486.7	1392.1	50.3
310.0	308.4	7.762	7.731	34.045	26.563	27.973	26.559	151.6	8.085	91.0	1485.8	1471.6	4.9
320.0	318.4	7.453	7.423	34.047	26.609	28.067	26.605	147.2	8.234	90.9	1484.8	1552.6	75.7
330.0	328.3	7.219	7.188	34.043	26.639	28.144	26.635	144.4	8.379	90.8	1484.0	1635.1	4.5
340.0	338.2	7.103	7.071	34.033	26.648	28.199	26.643	143.7	8.523	90.8	1483.7	1719.0	41.9
350.0	348.1	6.958	6.925	34.041	26.674	28.272	26.670	141.2	8.666	90.7	1483.3	1804.3	30.8
360.0	358.1	6.760	6.727	34.033	26.694	28.339	26.690	139.3	8.806	90.5	1482.7	1891.1	23.4
370.0	368.0	6.613	6.579	34.019	26.703	28.394	26.698	138.5	8.945	90.4	1482.3	1979.2	-3.3
380.0	377.9	6.491	6.457	34.026	26.725	28.463	26.720	136.5	9.083	90.1	1481.9	2068.6	12.2
390.0	387.9	6.326	6.291	34.029	26.749	28.534	26.744	134.2	9.218	89.8	1481.5	2159.5	14.8
400.0	397.8	6.234	6.199	34.018	26.752	28.584	26.747	134.0	9.352	89.6	1481.2	2251.6	2.8
410.0	407.7	6.205	6.169	34.023	26.759	28.637	26.754	133.4	9.485	89.3	1481.3	2345.1	1.4
420.0	417.6	6.046	6.009	34.040	26.793	28.718	26.788	130.2	9.617	88.9	1480.8	2439.9	16.9
430.0	427.5	5.890	5.854	34.035	26.808	28.781	26.804	128.7	9.746	88.5	1480.4	2535.9	16.2
440.0	437.5	5.779	5.741	34.032	26.820	28.839	26.816	127.6	9.874	88.1	1480.1	2633.3	-5.1
450.0	447.4	5.765	5.727	34.050	26.836	28.901	26.831	126.3	10.002	87.8	1480.2	2731.9	42.6
460.0	457.3	5.703	5.665	34.057	26.849	28.961	26.845	125.1	10.127	87.4	1480.1	2831.7	31.5
470.0	467.2	5.655	5.615	34.066	26.862	29.020	26.858	123.9	10.251	87.2	1480.1	2932.8	23.3
480.0	477.1	5.618	5.578	34.070	26.870	29.074	26.865	123.3	10.374	86.9	1480.1	3035.1	28.8
490.0	487.1	5.523	5.482	34.094	26.900	29.151	26.896	120.4	10.496	86.8	1479.9	3138.6	29.7
500.0	497.0	5.462	5.421	34.085	26.901	29.198	26.896	120.5	10.617	86.8	1479.8	3243.3	31.7
510.0	506.9	5.433	5.391	34.081	26.901	29.244	26.896	120.5	10.737	87.1	1479.9	3349.2	28.2
520.0	516.8	5.318	5.276	34.091	26.923	29.313	26.918	118.5	10.856	87.2	1479.6	3456.3	-8.4
530.0	526.7	5.194	5.151	34.091	26.937	29.375	26.932	117.1	10.974	87.5	1479.2	3564.5	15.0
540.0	536.7	5.198	5.155	34.107	26.949	29.432	26.944	116.0	11.090	87.9	1479.5	3673.9	47.8
550.0	546.6	5.004	4.960	34.106	26.971	29.502	26.966	113.9	11.205	88.2	1478.8	3784.5	8.0
560.0	556.5	4.931	4.886	34.117	26.989	29.566	26.983	112.2	11.317	88.5	1478.7	3896.1	15.6
570.0	566.4	4.869	4.824	34.122	26.999	29.624	26.994	111.2	11.429	88.9	1478.6	4008.9	-2.0
580.0	576.3	4.833	4.788	34.123	27.004	29.675	26.999	110.9	11.540	89.2	1478.6	4122.7	24.9
590.0	586.2	4.790	4.743	34.135	27.019	29.736	27.014	109.5	11.650	89.5	1478.6	4237.7	12.0
600.0	596.1	4.720	4.673	34.149	27.037	29.802	27.032	107.8	11.759	89.8	1478.5	4353.7	18.2
610.0	606.0	4.679	4.632	34.148	27.042	29.852	27.036	107.4	11.866	90.0	1478.5	4470.8	-3.5
620.0	616.0	4.641	4.593	34.158	27.053	29.910	27.048	106.4	11.973	90.2	1478.5	4588.9	2.7
630.0	625.9	4.620	4.571	34.160	27.058	29.961	27.052	106.0	12.079	90.4	1478.6	4708.1	30.5
640.0	635.8	4.616	4.566	34.186	27.079	30.027	27.073	104.2	12.184	90.4	1478.8	4828.4	38.4
650.0	645.7	4.512	4.462	34.202	27.103	30.099	27.098	101.8	12.287	90.5	1478.5	4949.6	15.0
660.0	655.6	4.469	4.419	34.210	27.114	30.156	27.108	100.9	12.389	90.6	1478.5	5071.9	11.5
670.0	665.5	4.430	4.379	34.213	27.120	30.209	27.115	100.3	12.490	90.6	1478.5	5195.1	5.0
680.0	675.4	4.394	4.343	34.230	27.138	30.274	27.133	98.6	12.589	90.6	1478.6	5319.4	20.8
690.0	685.3	4.369	4.316	34.234	27.144	30.325	27.138	98.2	12.687	90.7	1478.7	5444.6	12.9
700.0	695.2	4.343	4.290	34.243	27.154	30.381	27.148	97.3	12.785	90.6	1478.7	5570.8	15.9
710.0	705.1	4.320	4.266	34.260	27.170	30.444	27.164	95.8	12.882	90.7	1478.8	5697.9	12.6
720.0	715.0	4.310	4.255	34.260	27.171	30.491	27.165	95.8	12.978	90.7	1478.9	5826.0	4.4
730.0	725.0	4.353	4.298	34.278	27.181	30.545	27.174	95.1	13.074	90.8	1479.3	5955.0	17.7
740.0	734.8	4.339	4.283	34.287	27.190	30.600	27.184	94.3	13.168	90.7	1479.4	6085.0	3.3
750.0	744.8	4.329	4.272	34.296	27.198	30.654	27.191	93.7	13.262	90.7	1479.6	6215.9	8.6
760.0	754.7	4.295	4.237	34.309	27.211	30.714	27.206	92.4	13.355	90.7	1479.6	6347.7	15.9
770.0	764.6	4.261	4.203	34.322	27.226	30.774	27.219	91.1	13.447	90.8	1479.6	6480.4	16.8
780.0	774.5	4.215	4.156	34.330	27.237	30.833	27.231	90.1	13.538	90.8	1479.6	6614.0	13.0
790.0	784.4	4.176	4.117	34.342	27.251	30.893	27.245	88.8	13.627	90.7	1479.6	6748.5	9.5
800.0	794.3	4.152	4.091	34.347	27.257	30.946	27.251	88.2	13.716	90.8	1479.7	6883.8	13.0
810.0	804.2	4.113	4.052	34.355	27.268	31.003	27.262	87.3	13.804	90.8	1479.7	7020.1	25.3
820.0	814.1	4.086	4.024	34.363	27.277	31.058	27.270	86.5	13.891	90.7	1479.8	7157.2	-3.7
830.0	824.0	4.107	4.045	34.379	27.288	31.114	27.281	85.6	13.977	90.8	1480.1	7295.1	-.8
840.0	833.9	4.053	3.990	34.390	27.302	31.175	27.296	84.2	14.062	90.8	1480.0	7433.9	15.1
850.0	843.8	4.038	3.974	34.388	27.302	31.221	27.295	84.3	14.146	90.8	1480.1	7573.5	7.4
860.0	853.7	4.023	3.959	34.390	27.306	31.270	27.299	84.0	14.230	90.8	1480.2	7713.9	7.2
870.0	863.6	4.016	3.951	34.397	27.312	31.322	27.305	83.5	14.314	90.8	1480.4	7855.2	7.5
880.0	873.5	3.975	3.910	34.404	27.321	31.378	27.315	82.6	14.397	90.9	1480.4	7997.3	16.2
890.0	883.4	3.961	3.895	34.408	27.326	31.429	27.319	82.3	14.479	90.7	1480.5	8140.1	-2.8
900.0	893.3	3.904	3.838	34.418	27.340	31.490	27.333	81.0	14.561	90.7	1480.4	8283.8	3.9
910.0	903.2	3.890	3.822	34.419	27.342	31.538	27.335	80.8	14.642	90.7	1480.5	8428.3	2.8
920.0	913.0	3.870	3.802	34.421	27.346	31.588	27.339	80.5	14.723	90.8	1480.6	8573.6	8.4
930.0	922.9	3.854	3.785	34.420	27.347	31.635	27.340	80.4	14.803	90.8	1480.7	8719.7	5.1
940.0	932.8	3.829	3.760	34.431	27.358	31.693	27.351	79.4	14.883	90.7	1480.8	8866.5	-7.2
950.0	942.7	3.828	3.757	34.435	27.362	31.742	27.355	79.2	14.962	90.7	1480.9	9014.2	13.9
960.0	952.6	3.793	3.722	34.444	27.372	31.798	27.365	78.2	15.041	90.8	1481.0	9162.6	-7.4
970.0	962.5	3.782	3.710	34.452	27.380	31.852	27.373	77.5	15.119	90.7	1481.1	9311.7	11.3
980.0	972.4	3.758	3.685	34.454	27.383	31.902	27.376	77.2	15.197	90.7	1481.2	9461.7	-3.0
990.0	982.3	3.748	3.675	34.457	27.387	31.951	27.380	77.0	15.274	90.7	1481.3	9612.4	16.3

Station	21	Latitude	32° 25.21'N		Longitude	128° 25.22'W		24 Aug 1989 GMT 00:04			Bottom	4250 m
Pres.	Depth	Temp.	Pot.T.	Sal	Sigma-θ	Sigma-z	Sigma-t	Delta	Dyn.Ht	LTR	SV	TF	N^2
db	m	°C	°C	0/00	kg/m^3	kg/m^3	kg/m^3	10^8m^3/kg	J/kg	0/0	m/s	m^3/s^2	10^6/s^2
1000.0	992.2	3.724	3.650	34.457	27.389	32.000	27.382	76.8	15.351	90.7	1481.3	9763.8	-7.4
1020.0	1012.0	3.687	3.612	34.463	27.398	32.101	27.391	76.0	15.503	90.7	1481.5	10068.9	-1.3
1040.0	1031.7	3.651	3.575	34.469	27.407	32.201	27.399	75.3	15.654	90.7	1481.7	10377.1	6.7
1060.0	1051.5	3.602	3.524	34.479	27.420	32.307	27.412	74.2	15.804	90.7	1481.8	10688.1	4.9
1080.0	1071.3	3.552	3.473	34.484	27.429	32.409	27.421	73.3	15.952	90.6	1482.0	11002.1	4.9
1100.0	1091.1	3.485	3.405	34.490	27.440	32.512	27.432	72.3	16.097	90.7	1482.0	11318.9	-5.9
1120.0	1110.8	3.431	3.350	34.500	27.453	32.618	27.445	71.1	16.240	90.8	1482.1	11638.6	12.3
1140.0	1130.6	3.373	3.291	34.505	27.463	32.721	27.455	70.1	16.382	90.7	1482.2	11961.0	2.9
1160.0	1150.4	3.323	3.240	34.511	27.473	32.823	27.465	69.3	16.521	90.7	1482.4	12286.2	2.6
1180.0	1170.1	3.290	3.205	34.515	27.479	32.921	27.471	68.8	16.659	90.7	1482.6	12614.0	12.0
1200.0	1189.9	3.241	3.155	34.520	27.488	33.023	27.480	67.9	16.796	90.7	1482.7	12944.6	4.7
1220.0	1209.6	3.207	3.120	34.523	27.493	33.120	27.485	67.5	16.931	90.7	1482.9	13277.8	-.3
1240.0	1229.4	3.174	3.085	34.529	27.501	33.221	27.493	66.8	17.066	90.6	1483.1	13613.7	5.3
1260.0	1249.2	3.138	3.048	34.530	27.506	33.318	27.498	66.4	17.199	90.7	1483.3	13952.1	6.2
1280.0	1268.9	3.100	3.009	34.535	27.514	33.417	27.505	65.7	17.331	90.7	1483.4	14293.2	1.5
1300.0	1288.7	3.057	2.965	34.539	27.520	33.516	27.511	65.1	17.462	90.8	1483.6	14636.8	7.1
1320.0	1308.4	3.027	2.934	34.543	27.526	33.614	27.518	64.5	17.591	90.7	1483.8	14982.9	-.8
1340.0	1328.2	2.986	2.892	34.549	27.535	33.716	27.527	63.7	17.719	90.7	1484.0	15331.6	-1.4
1360.0	1347.9	2.961	2.865	34.550	27.539	33.811	27.530	63.5	17.847	90.7	1484.2	15682.7	.1
1380.0	1367.7	2.927	2.829	34.556	27.546	33.910	27.537	62.8	17.973	90.7	1484.4	16036.3	14.1
1400.0	1387.4	2.885	2.786	34.560	27.553	34.010	27.544	62.1	18.098	90.7	1484.5	16392.4	7.1
1420.0	1407.1	2.849	2.750	34.564	27.559	34.108	27.551	61.6	18.222	90.7	1484.7	16750.8	4.8
1440.0	1426.9	2.819	2.718	34.567	27.565	34.206	27.556	61.1	18.345	90.7	1484.9	17111.7	8.0
1460.0	1446.6	2.788	2.685	34.566	27.567	34.300	27.558	60.9	18.468	90.7	1485.1	17475.0	-3.7
1480.0	1466.3	2.767	2.663	34.567	27.570	34.394	27.561	60.7	18.589	90.6	1485.4	17840.6	.1
1500.0	1486.1	2.739	2.634	34.573	27.577	34.493	27.567	60.1	18.710	90.8	1485.6	18208.6	9.8
1520.0	1505.8	2.707	2.601	34.574	27.580	34.589	27.571	59.7	18.830	90.6	1485.8	18578.9	-.4
1540.0	1525.5	2.670	2.563	34.583	27.591	34.691	27.581	58.8	18.949	90.7	1486.0	18951.6	4.3
1560.0	1545.3	2.637	2.528	34.582	27.593	34.785	27.584	58.6	19.066	90.7	1486.2	19326.5	9.6
1580.0	1565.0	2.602	2.493	34.585	27.599	34.883	27.590	58.0	19.183	90.8	1486.3	19703.7	6.1
1600.0	1584.7	2.572	2.461	34.588	27.604	34.980	27.594	57.5	19.298	90.7	1486.5	20083.2	4.0
1620.0	1604.4	2.547	2.435	34.589	27.607	35.075	27.597	57.3	19.413	90.7	1486.8	20464.9	6.1
1640.0	1624.1	2.510	2.397	34.595	27.615	35.175	27.605	56.5	19.527	90.6	1487.0	20848.8	6.1
1660.0	1643.8	2.476	2.361	34.597	27.619	35.271	27.610	56.1	19.639	90.6	1487.1	21234.9	-4.2
1680.0	1663.6	2.440	2.324	34.600	27.625	35.369	27.615	55.5	19.751	90.7	1487.3	21623.2	1.4
1700.0	1683.3	2.414	2.296	34.599	27.626	35.462	27.617	55.3	19.861	90.7	1487.5	22013.6	-5.0
1720.0	1703.0	2.385	2.266	34.605	27.634	35.561	27.624	54.7	19.972	90.7	1487.8	22406.2	-4.7
1740.0	1722.7	2.363	2.243	34.607	27.637	35.656	27.627	54.4	20.081	90.7	1488.0	22800.9	-.9
1760.0	1742.4	2.341	2.220	34.608	27.639	35.750	27.629	54.2	20.189	90.7	1488.2	23197.6	.3
1780.0	1762.1	2.305	2.182	34.615	27.649	35.851	27.638	53.3	20.297	90.6	1488.4	23596.5	.3
1800.0	1781.8	2.285	2.161	34.611	27.647	35.941	27.637	53.4	20.404	90.7	1488.7	23997.5	.9
1820.0	1801.5	2.263	2.138	34.615	27.652	36.037	27.642	53.0	20.510	90.7	1488.9	24400.5	3.9
1840.0	1821.2	2.244	2.117	34.614	27.653	36.130	27.643	52.9	20.616	90.6	1489.2	24805.6	-2.0
1860.0	1840.9	2.228	2.100	34.616	27.656	36.223	27.646	52.7	20.722	90.6	1489.4	25212.7	7.1
1880.0	1860.6	2.213	2.083	34.618	27.659	36.317	27.648	52.4	20.827	90.6	1489.7	25621.9	10.1
1900.0	1880.3	2.185	2.054	34.620	27.663	36.413	27.652	52.0	20.931	90.7	1489.9	26033.0	.7
1920.0	1900.0	2.167	2.035	34.618	27.663	36.504	27.652	52.0	21.035	90.6	1490.2	26446.2	-1.3
1940.0	1919.7	2.148	2.014	34.622	27.668	36.600	27.657	51.6	21.139	90.6	1490.4	26861.4	5.1
1960.0	1939.4	2.126	1.991	34.625	27.672	36.695	27.661	51.2	21.241	90.7	1490.7	27278.6	-3.4
1980.0	1959.1	2.103	1.966	34.626	27.675	36.790	27.664	50.9	21.343	90.6	1490.9	27697.8	8.1
2000.0	1978.7	2.088	1.950	34.629	27.678	36.884	27.668	50.6	21.445	90.7	1491.2	28118.9	2.8
2050.0	2027.9	2.045	1.903	34.632	27.685	37.118	27.673	50.1	21.697	90.6	1491.8	29180.2	2.9
2100.0	2077.1	2.007	1.861	34.637	27.692	37.352	27.681	49.4	21.945	90.7	1492.5	30253.6	1.1
2150.0	2126.3	1.974	1.824	34.640	27.697	37.584	27.685	49.0	22.192	90.7	1493.2	31338.9	-.3
2200.0	2175.5	1.944	1.792	34.641	27.701	37.814	27.689	48.7	22.436	90.7	1493.9	32436.1	4.7
2250.0	2224.6	1.907	1.751	34.646	27.708	38.047	27.695	48.1	22.678	90.7	1494.6	33544.9	3.9
2300.0	2273.8	1.880	1.719	34.649	27.712	38.277	27.700	47.8	22.918	90.6	1495.3	34665.3	-1.3
2350.0	2322.9	1.856	1.691	34.651	27.716	38.507	27.704	47.5	23.156	90.6	1496.1	35797.2	2.5
2400.0	2372.0	1.828	1.659	34.653	27.720	38.736	27.707	47.2	23.392	90.6	1496.8	36940.5	.8
2450.0	2421.1	1.798	1.625	34.658	27.727	38.968	27.713	46.6	23.627	90.6	1497.5	38095.1	3.5
2500.0	2470.2	1.778	1.601	34.658	27.729	39.194	27.715	46.5	23.860	90.6	1498.3	39260.8	2.4
2550.0	2519.3	1.758	1.577	34.660	27.732	39.422	27.718	46.3	24.092	90.6	1499.0	40437.8	1.5
2600.0	2568.4	1.735	1.550	34.663	27.736	39.651	27.722	45.9	24.323	90.6	1499.8	41625.8	3.3
2650.0	2617.5	1.714	1.525	34.665	27.740	39.878	27.726	45.7	24.552	90.7	1500.5	42824.8	.4
2700.0	2666.5	1.699	1.505	34.666	27.742	40.104	27.727	45.6	24.780	90.6	1501.3	44034.8	8.1
2750.0	2715.6	1.672	1.475	34.668	27.746	40.332	27.731	45.2	25.007	90.6	1502.1	45255.6	.8
2800.0	2764.6	1.660	1.458	34.669	27.747	40.556	27.733	45.2	25.233	90.6	1502.8	46487.3	1.1
2850.0	2813.6	1.639	1.433	34.672	27.752	40.784	27.737	44.8	25.458	90.6	1503.6	47729.7	1.2
2900.0	2862.6	1.627	1.416	34.672	27.753	41.008	27.737	44.8	25.682	90.6	1504.4	48982.9	1.8
2950.0	2911.6	1.613	1.399	34.673	27.755	41.232	27.740	44.7	25.906	90.6	1505.2	50246.7	-.5
3000.0	2960.6	1.601	1.382	34.674	27.757	41.457	27.742	44.6	26.129	90.6	1506.0	51521.2	-1.0
3050.0	3009.6	1.589	1.365	34.676	27.760	41.681	27.744	44.4	26.351	90.6	1506.8	52806.4	2.0
3100.0	3058.6	1.566	1.337	34.680	27.765	41.908	27.748	44.0	26.573	90.6	1507.5	54102.1	2.9
3150.0	3107.5	1.566	1.333	34.678	27.764	42.128	27.747	44.2	26.794	90.6	1508.4	55408.3	-2.1
3200.0	3156.4	1.547	1.309	34.681	27.768	42.354	27.751	44.0	27.014	90.6	1509.2	56725.1	4.1
3250.0	3205.4	1.537	1.295	34.682	27.770	42.576	27.752	43.9	27.234	90.6	1510.0	58052.3	-1.1
3300.0	3254.3	1.529	1.282	34.683	27.771	42.799	27.754	43.8	27.453	90.5	1510.8	59390.0	1.0
3350.0	3303.2	1.517	1.265	34.685	27.774	43.022	27.757	43.6	27.672	90.5	1511.6	60738.0	3.4
3400.0	3352.1	1.510	1.254	34.686	27.776	43.243	27.757	43.6	27.890	90.5	1512.4	62096.5	-.4
3450.0	3401.0	1.507	1.245	34.686	27.776	43.463	27.758	43.7	28.108	90.6	1513.3	63465.3	-.3
3500.0	3449.9	1.502	1.236	34.688	27.779	43.684	27.760	43.7	28.327	90.5	1514.1	64844.5	-1.2
3550.0	3498.7	1.503	1.231	34.687	27.778	43.903	27.759	43.8	28.546	90.6	1515.0	66234.0	1.2
3600.0	3547.6	1.497	1.220	34.689	27.781	44.124	27.761	43.7	28.764	90.6	1515.8	67634.0	.1
3650.0	3596.4	1.492	1.210	34.690	27.782	44.344	27.762	43.7	28.983	90.5	1516.6	69044.3	1.0
3700.0	3645.3	1.490	1.203	34.690	27.783	44.563	27.763	43.8	29.202	90.6	1517.5	70465.0	2.0
3750.0	3694.1	1.491	1.199	34.691	27.784	44.781	27.763	43.9	29.421	90.5	1518.3	71896.0	-1.5
3800.0	3742.9	1.491	1.193	34.692	27.785	45.000	27.763	44.0	29.641	90.5	1519.2	73337.5	-.9
3850.0	3791.7	1.495	1.192	34.692	27.785	45.217	27.763	44.2	29.862	90.5	1520.1	74789.4	.9
3900.0	3840.5	1.495	1.187	34.692	27.785	45.434	27.764	44.3	30.083	90.5	1520.9	76251.8	1.6
3950.0	3889.3	1.495	1.181	34.693	27.786	45.652	27.764	44.4	30.305	90.5	1521.8	77724.7	1.6
4000.0	3938.1	1.497	1.178	34.694	27.788	45.869	27.765	44.4	30.527	90.5	1522.7	79208.0	-.4
4050.0	3986.8	1.502	1.177	34.693	27.787	46.085	27.764	44.7	30.750	90.6	1523.6	80701.9	-.3
4100.0	4035.6	1.506	1.176	34.693	27.787	46.300	27.764	44.9	30.974	90.5	1524.4	82206.4	.9
4150.0	4084.3	1.509	1.173	34.695	27.788	46.517	27.764	45.0	31.199	90.5	1525.3	83721.4	.3
4200.0	4133.0	1.514	1.172	34.694	27.788	46.731	27.763	45.3	31.425	90.5	1526.2	85247.2	-.8
4250.0	4181.7	1.518	1.170	34.694	27.788	46.947	27.764	45.4	31.652	90.5	1527.1	86783.6	-.4
4300.0	4230.4	1.523	1.169	34.694	27.788	47.161	27.763	45.6	31.879	90.5	1528.0	88330.8	-2.7
4316.0	4246.0	1.524	1.169	34.694	27.788	47.230	27.763	45.7	31.952	90.4	1528.2	88828.1	.0

Station 22 Latitude 32° 39.07'N Longitude 128° 17.09'W 24 Aug 1989 GMT 03:41 Bottom 4400 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.794	19.794	33.828	23.924	23.924	23.924	397.3	.000	89.8	1520.2	.0	.0
10.0	10.0	19.803	19.801	33.837	23.928	23.971	23.928	397.3	.397	89.8	1520.4	2.0	-7.5
20.0	19.9	19.804	19.800	33.845	23.934	24.021	23.933	397.1	.794	89.8	1520.6	7.9	3.9
30.0	29.9	19.775	19.770	33.851	23.947	24.077	23.945	396.2	1.191	89.8	1520.7	17.8	16.5
40.0	39.9	19.721	19.713	33.859	23.968	24.141	23.966	394.6	1.587	89.8	1520.7	31.7	14.4
50.0	49.8	19.680	19.671	33.863	23.982	24.198	23.979	393.7	1.981	89.8	1520.7	49.5	30.3
60.0	59.8	19.432	19.422	33.938	24.104	24.364	24.101	382.4	2.372	89.7	1520.3	71.2	292.9
70.0	69.8	17.947	17.935	34.114	24.610	24.915	24.607	334.4	2.725	89.7	1516.4	96.6	100.3
80.0	79.7	17.329	17.316	34.050	24.712	25.061	24.708	325.0	3.055	89.8	1514.7	125.4	95.8
90.0	89.7	16.822	16.807	34.007	24.799	25.192	24.795	317.0	3.375	90.0	1513.3	157.4	45.4
100.0	99.7	16.601	16.584	34.054	24.886	25.324	24.883	308.9	3.689	90.0	1512.8	192.6	73.4
110.0	109.6	16.421	16.403	34.057	24.931	25.413	24.927	305.0	3.996	90.0	1512.4	230.8	19.3
120.0	119.6	16.407	16.388	34.183	25.031	25.557	25.027	295.8	4.298	90.1	1512.7	272.1	137.9
130.0	129.5	15.457	15.437	34.143	25.216	25.788	25.212	278.3	4.585	90.3	1509.9	316.3	19.7
140.0	139.5	14.930	14.909	34.071	25.276	25.893	25.272	272.8	4.861	90.5	1508.3	363.3	161.9
150.0	149.4	13.856	13.835	33.956	25.415	26.079	25.411	259.6	5.125	90.6	1504.8	413.0	34.6
160.0	159.4	12.858	12.836	33.889	25.565	26.276	25.561	245.4	5.378	90.7	1501.6	465.3	166.2
170.0	169.3	12.689	12.666	33.917	25.621	26.377	25.616	240.3	5.620	90.7	1501.2	520.0	133.1
180.0	179.3	11.205	11.183	33.674	25.710	26.517	25.706	231.5	5.854	90.8	1495.9	577.0	139.6
190.0	189.2	10.776	10.753	33.678	25.790	26.643	25.786	224.0	6.079	90.8	1494.6	636.4	44.0
200.0	199.1	10.327	10.303	33.700	25.885	26.785	25.882	215.0	6.299	90.8	1493.2	697.9	88.4
210.0	209.1	9.978	9.954	33.753	25.986	26.932	25.982	205.5	6.509	90.8	1492.1	761.6	76.1
220.0	219.0	9.705	9.680	33.796	26.065	27.057	26.061	198.2	6.711	90.8	1491.3	827.3	86.6
230.0	229.0	9.401	9.376	33.837	26.147	27.186	26.143	190.4	6.906	90.8	1490.4	895.0	138.4
240.0	238.9	9.228	9.202	33.861	26.194	27.279	26.190	186.1	7.094	90.9	1490.0	964.5	37.0
250.0	248.8	8.978	8.951	33.876	26.247	27.377	26.242	181.2	7.277	90.8	1489.2	1036.0	28.2
260.0	258.8	8.756	8.728	33.927	26.321	27.499	26.317	174.2	7.455	90.8	1488.6	1109.1	105.2
270.0	268.7	8.554	8.526	33.953	26.373	27.596	26.368	169.5	7.626	90.8	1488.1	1184.1	26.4
280.0	278.6	8.359	8.331	33.977	26.421	27.691	26.416	165.0	7.793	90.8	1487.5	1260.6	26.0
290.0	288.6	8.207	8.177	34.009	26.470	27.786	26.465	160.4	7.957	90.8	1487.1	1338.9	59.4
300.0	298.5	8.085	8.055	34.001	26.482	27.844	26.477	159.4	8.117	90.8	1486.8	1418.7	17.8
310.0	308.4	7.916	7.885	34.010	26.513	27.922	26.509	156.5	8.275	90.8	1486.4	1500.1	52.3
320.0	318.4	7.733	7.702	34.021	26.549	28.004	26.544	153.2	8.430	90.7	1485.8	1583.0	27.7
330.0	328.3	7.544	7.512	34.014	26.571	28.073	26.566	151.1	8.581	90.7	1485.3	1667.5	6.9
340.0	338.2	7.392	7.360	34.020	26.597	28.146	26.593	148.7	8.731	90.8	1484.8	1753.4	34.4
350.0	348.2	7.234	7.201	34.020	26.619	28.215	26.615	146.6	8.879	90.7	1484.4	1840.9	17.7
360.0	358.1	7.068	7.034	34.015	26.639	28.281	26.634	144.8	9.024	90.7	1483.9	1929.7	10.6
370.0	368.0	6.900	6.865	34.017	26.663	28.353	26.659	142.5	9.168	90.7	1483.4	2020.0	8.8
380.0	377.9	6.762	6.727	34.015	26.680	28.416	26.676	140.9	9.309	90.7	1483.0	2111.7	46.6
390.0	387.9	6.561	6.526	34.028	26.716	28.500	26.712	137.5	9.448	90.7	1482.4	2204.8	5.8
400.0	397.8	6.409	6.373	34.034	26.742	28.572	26.737	135.1	9.584	90.6	1482.0	2299.3	41.8
410.0	407.7	6.273	6.237	34.033	26.758	28.636	26.754	133.5	9.718	90.6	1481.6	2395.0	13.4
420.0	417.6	6.148	6.111	34.035	26.776	28.700	26.771	131.9	9.850	90.7	1481.2	2492.1	3.7
430.0	427.6	5.977	5.939	34.059	26.817	28.788	26.812	128.0	9.981	90.6	1480.7	2590.5	13.0
440.0	437.5	5.911	5.874	34.052	26.819	28.837	26.815	127.9	10.109	90.6	1480.6	2690.2	9.5
450.0	447.4	5.775	5.737	34.056	26.840	28.905	26.835	125.9	10.236	90.6	1480.3	2791.1	8.3
460.0	457.3	5.707	5.668	34.057	26.849	28.960	26.844	125.1	10.361	90.6	1480.1	2893.3	27.1
470.0	467.2	5.637	5.598	34.062	26.861	29.019	26.857	124.0	10.485	90.6	1480.0	2996.7	21.5
480.0	477.2	5.553	5.513	34.060	26.869	29.074	26.865	123.2	10.608	90.6	1479.9	3101.3	22.1
490.0	487.1	5.479	5.438	34.093	26.905	29.156	26.900	120.0	10.730	90.6	1479.8	3207.1	53.7
500.0	497.0	5.316	5.275	34.076	26.911	29.210	26.906	119.3	10.850	90.6	1479.2	3314.2	11.5
510.0	506.9	5.213	5.172	34.085	26.930	29.275	26.925	117.6	10.969	90.6	1479.0	3422.4	63.6
520.0	516.8	5.151	5.109	34.093	26.944	29.336	26.939	116.2	11.086	90.4	1478.9	3531.7	8.3
530.0	526.8	5.092	5.050	34.097	26.954	29.393	26.949	115.4	11.202	90.6	1478.8	3642.2	15.3
540.0	536.7	5.032	4.989	34.097	26.961	29.446	26.956	114.7	11.317	90.6	1478.8	3753.9	21.7
550.0	546.6	4.985	4.942	34.110	26.976	29.508	26.971	113.4	11.431	90.5	1478.7	3866.6	15.9
560.0	556.5	4.947	4.903	34.108	26.979	29.557	26.974	113.1	11.544	90.5	1478.7	3980.5	-2.3
570.0	566.4	4.928	4.883	34.125	26.995	29.619	26.990	111.7	11.657	90.6	1478.9	4095.6	34.9
580.0	576.3	4.896	4.850	34.128	27.001	29.671	26.996	111.2	11.769	90.5	1478.9	4211.7	2.7
590.0	586.2	4.769	4.723	34.150	27.033	29.751	27.028	108.1	11.878	90.6	1478.6	4328.9	-1.1
600.0	596.2	4.767	4.720	34.148	27.031	29.795	27.026	108.4	11.986	90.6	1478.7	4447.2	22.0
610.0	606.1	4.751	4.704	34.159	27.042	29.852	27.037	107.5	12.094	90.4	1478.8	4566.5	-.8
620.0	616.0	4.713	4.665	34.189	27.070	29.926	27.065	104.9	12.200	90.5	1478.9	4686.9	15.0
630.0	625.9	4.687	4.638	34.199	27.081	29.983	27.075	104.0	12.305	90.5	1478.9	4808.3	17.0
640.0	635.8	4.661	4.612	34.207	27.090	30.038	27.085	103.1	12.409	90.6	1479.0	4930.8	10.9
650.0	645.7	4.641	4.590	34.219	27.102	30.096	27.096	102.1	12.512	90.6	1479.1	5054.3	15.9
660.0	655.6	4.602	4.551	34.226	27.112	30.153	27.107	101.2	12.613	90.5	1479.1	5178.7	2.1
670.0	665.5	4.584	4.532	34.243	27.128	30.214	27.122	99.8	12.713	90.5	1479.2	5304.2	31.4
680.0	675.4	4.518	4.466	34.255	27.144	30.277	27.138	98.3	12.812	90.6	1479.1	5430.7	4.8
690.0	685.3	4.494	4.441	34.262	27.153	30.332	27.147	97.6	12.910	90.7	1479.2	5558.1	-9.9
700.0	695.2	4.489	4.436	34.263	27.154	30.379	27.148	97.5	13.008	90.4	1479.4	5686.5	-2.0
710.0	705.2	4.444	4.389	34.276	27.169	30.441	27.164	96.1	13.105	90.5	1479.3	5815.8	6.2
720.0	715.0	4.402	4.347	34.275	27.173	30.491	27.167	95.8	13.201	90.6	1479.3	5946.1	7.7
730.0	725.0	4.379	4.324	34.284	27.183	30.547	27.177	94.9	13.296	90.6	1479.4	6077.3	5.6
740.0	734.9	4.371	4.314	34.289	27.188	30.597	27.181	94.6	13.391	90.6	1479.6	6209.5	3.0
750.0	744.8	4.341	4.284	34.298	27.198	30.654	27.192	93.6	13.485	90.6	1479.6	6342.5	5.1
760.0	754.7	4.306	4.248	34.307	27.209	30.712	27.203	92.6	13.578	90.5	1479.6	6476.6	5.7
770.0	764.6	4.287	4.229	34.318	27.220	30.769	27.214	91.7	13.670	90.6	1479.7	6611.5	8.9
780.0	774.5	4.263	4.204	34.326	27.229	30.823	27.222	90.9	13.761	90.5	1479.8	6747.3	-1.7
790.0	784.4	4.272	4.212	34.338	27.238	30.878	27.231	90.2	13.852	90.5	1480.0	6884.0	13.9
800.0	794.3	4.236	4.176	34.348	27.249	30.936	27.243	89.1	13.942	90.5	1480.1	7021.6	12.1
810.0	804.2	4.204	4.143	34.350	27.254	30.987	27.248	88.7	14.031	90.5	1480.1	7160.1	-3.4
820.0	814.1	4.189	4.128	34.355	27.260	31.039	27.254	88.2	14.119	90.6	1480.2	7299.4	-8.1
830.0	824.0	4.210	4.147	34.370	27.269	31.093	27.263	87.5	14.207	90.5	1480.5	7439.6	3.7
840.0	833.9	4.192	4.128	34.375	27.276	31.146	27.269	87.0	14.294	90.5	1480.6	7580.7	1.3
850.0	843.8	4.162	4.097	34.386	27.288	31.204	27.281	85.9	14.381	90.5	1480.6	7722.6	18.9
860.0	853.7	4.131	4.066	34.390	27.294	31.257	27.288	85.3	14.466	90.5	1480.7	7865.4	-1.6
870.0	863.6	4.102	4.036	34.399	27.304	31.313	27.298	84.4	14.551	90.5	1480.7	8009.0	6.3
880.0	873.5	4.085	4.019	34.405	27.311	31.365	27.304	83.9	14.635	90.5	1480.8	8153.4	6.9
890.0	883.4	4.057	3.990	34.415	27.322	31.423	27.315	82.9	14.719	90.5	1480.9	8298.6	5.7
900.0	893.3	4.029	3.962	34.419	27.328	31.475	27.321	82.4	14.801	90.5	1480.9	8444.7	4.9
910.0	903.2	3.980	3.911	34.425	27.338	31.532	27.331	81.4	14.883	90.5	1480.9	8591.6	-9.5
920.0	913.0	3.950	3.881	34.434	27.348	31.588	27.341	80.4	14.964	90.5	1480.9	8739.2	31.2
930.0	922.9	3.911	3.842	34.428	27.347	31.634	27.340	80.6	15.045	90.5	1480.9	8887.7	9.0
940.0	932.8	3.880	3.810	34.434	27.355	31.688	27.348	79.8	15.125	90.5	1481.0	9036.9	-1.3
950.0	942.7	3.868	3.797	34.444	27.365	31.744	27.358	78.9	15.204	90.5	1481.1	9186.9	13.1
960.0	952.6	3.846	3.775	34.446	27.368	31.793	27.361	78.7	15.283	90.5	1481.2	9337.7	9.6
970.0	962.5	3.795	3.723	34.445	27.373	31.845	27.366	78.2	15.361	90.5	1481.1	9489.3	12.5
980.0	972.4	3.776	3.703	34.450	27.379	31.897	27.372	77.7	15.440	90.5	1481.2	9641.6	11.6
990.0	982.3	3.779	3.706	34.455	27.383	31.946	27.375	77.5	15.518	90.5	1481.4	9794.7	10.2

Station 22 Latitude 32° 39.07'N Longitude 128° 17.09'W 24 Aug 1989 GMT 03:41 Bottom 4400 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.777	3.703	34.455	27.383	31.992	27.376	77.5	15.595	90.6	1481.6	9948.6	4.3
1020.0	1012.0	3.730	3.655	34.464	27.395	32.097	27.388	76.4	15.749	90.5	1481.7	10258.6	1.7
1040.0	1031.7	3.651	3.575	34.478	27.414	32.208	27.406	74.7	15.900	90.5	1481.7	10571.5	2.9
1060.0	1051.5	3.588	3.510	34.489	27.429	32.317	27.421	73.3	16.049	90.5	1481.8	10887.4	9.0
1080.0	1071.3	3.535	3.457	34.494	27.438	32.419	27.431	72.4	16.195	90.5	1481.9	11206.2	7.3
1100.0	1091.1	3.500	3.421	34.493	27.441	32.513	27.433	72.3	16.340	90.4	1482.1	11527.9	-.6
1120.0	1110.8	3.458	3.377	34.499	27.450	32.614	27.442	71.5	16.484	90.5	1482.3	11852.3	2.3
1140.0	1130.6	3.421	3.338	34.501	27.455	32.712	27.448	71.0	16.626	90.4	1482.4	12179.5	11.7
1160.0	1150.4	3.361	3.278	34.510	27.468	32.817	27.460	69.8	16.767	90.4	1482.5	12509.6	2.6
1180.0	1170.1	3.325	3.240	34.510	27.472	32.914	27.464	69.5	16.906	90.6	1482.7	12842.3	-3.2
1200.0	1189.9	3.301	3.214	34.515	27.478	33.011	27.470	69.0	17.045	90.5	1482.9	13177.8	-4.1
1220.0	1209.7	3.259	3.171	34.520	27.486	33.112	27.478	68.3	17.182	90.5	1483.1	13515.9	4.7
1240.0	1229.4	3.212	3.123	34.526	27.495	33.213	27.487	67.5	17.318	90.5	1483.2	13856.7	4.1
1260.0	1249.2	3.176	3.086	34.529	27.501	33.312	27.493	66.9	17.452	90.4	1483.4	14200.2	3.0
1280.0	1268.9	3.144	3.052	34.532	27.506	33.409	27.498	66.5	17.585	90.5	1483.6	14546.2	-3.8
1300.0	1288.7	3.091	2.999	34.540	27.518	33.513	27.509	65.4	17.717	90.5	1483.7	14894.9	5.3
1320.0	1308.4	3.062	2.968	34.539	27.521	33.607	27.512	65.2	17.848	90.4	1483.9	15246.0	4.7
1340.0	1328.2	3.029	2.934	34.544	27.528	33.706	27.519	64.6	17.978	90.5	1484.1	15599.8	4.2
1360.0	1347.9	3.003	2.906	34.546	27.531	33.802	27.523	64.3	18.107	90.5	1484.4	15956.0	2.4
1380.0	1367.7	2.981	2.884	34.547	27.534	33.896	27.525	64.1	18.235	90.5	1484.6	16314.8	6.5
1400.0	1387.4	2.931	2.832	34.555	27.545	34.000	27.536	63.0	18.362	90.5	1484.7	16676.0	5.4
1420.0	1407.1	2.897	2.796	34.558	27.551	34.098	27.542	62.5	18.488	90.5	1484.9	17039.7	1.6
1440.0	1426.9	2.864	2.762	34.559	27.555	34.194	27.545	62.2	18.612	90.5	1485.1	17405.8	1.6
1460.0	1446.6	2.821	2.719	34.564	27.562	34.294	27.553	61.4	18.736	90.4	1485.3	17774.4	5.1
1480.0	1466.3	2.785	2.681	34.570	27.570	34.394	27.561	60.7	18.858	90.4	1485.4	18145.3	1.9
1500.0	1486.1	2.747	2.642	34.573	27.576	34.492	27.567	60.1	18.979	90.4	1485.6	18518.6	6.6
1520.0	1505.8	2.712	2.606	34.576	27.582	34.590	27.573	59.6	19.099	90.5	1485.8	18894.2	6.6
1540.0	1525.5	2.672	2.564	34.578	27.587	34.687	27.577	59.1	19.218	90.5	1486.0	19272.2	1.1
1560.0	1545.3	2.636	2.528	34.580	27.592	34.784	27.583	58.6	19.336	90.4	1486.1	19652.4	6.6
1580.0	1565.0	2.604	2.494	34.583	27.597	34.882	27.588	58.1	19.453	90.4	1486.3	20035.0	4.0
1600.0	1584.7	2.570	2.458	34.587	27.604	34.980	27.594	57.5	19.568	90.4	1486.5	20419.7	4.0
1620.0	1604.4	2.550	2.437	34.586	27.604	35.072	27.595	57.5	19.684	90.5	1486.8	20806.8	2.9
1640.0	1624.1	2.524	2.411	34.588	27.608	35.167	27.598	57.2	19.798	90.5	1487.0	21196.0	8.4
1660.0	1643.8	2.496	2.381	34.593	27.614	35.265	27.604	56.6	19.912	90.5	1487.2	21587.5	2.6
1680.0	1663.6	2.473	2.356	34.594	27.618	35.360	27.608	56.3	20.025	90.5	1487.5	21981.1	1.7
1700.0	1683.3	2.440	2.322	34.597	27.623	35.458	27.613	55.8	20.136	90.5	1487.7	22377.0	5.5
1720.0	1703.0	2.411	2.292	34.599	27.627	35.554	27.617	55.4	20.248	90.5	1487.9	22774.9	1.5
1740.0	1722.7	2.384	2.264	34.604	27.633	35.651	27.623	54.9	20.358	90.5	1488.1	23175.1	.6
1760.0	1742.4	2.367	2.245	34.604	27.635	35.744	27.625	54.7	20.468	90.5	1488.4	23577.3	.3
1780.0	1762.1	2.334	2.211	34.609	27.642	35.843	27.631	54.1	20.576	90.4	1488.5	23981.7	8.8
1800.0	1781.8	2.305	2.181	34.613	27.647	35.940	27.637	53.5	20.684	90.4	1488.8	24388.2	4.4
1820.0	1801.5	2.279	2.153	34.614	27.650	36.035	27.640	53.2	20.791	90.5	1489.0	24796.7	-4.9
1840.0	1821.2	2.261	2.134	34.616	27.653	36.129	27.643	53.0	20.897	90.4	1489.2	25207.3	3.3
1860.0	1840.9	2.248	2.119	34.615	27.654	36.220	27.643	53.0	21.003	90.4	1489.5	25620.0	-.8
1880.0	1860.6	2.230	2.101	34.617	27.657	36.315	27.646	52.7	21.109	90.5	1489.8	26034.7	.7
1900.0	1880.3	2.201	2.069	34.621	27.663	36.412	27.652	52.1	21.214	90.5	1490.0	26451.5	-1.9
1920.0	1900.0	2.173	2.040	34.623	27.667	36.508	27.656	51.7	21.318	90.4	1490.2	26870.2	1.6
1940.0	1919.7	2.157	2.023	34.624	27.669	36.601	27.658	51.5	21.421	90.4	1490.5	27291.0	1.3
1960.0	1939.4	2.135	2.000	34.626	27.672	36.696	27.662	51.2	21.524	90.4	1490.7	27713.7	-.4
1980.0	1959.1	2.121	1.984	34.626	27.674	36.788	27.663	51.1	21.626	90.4	1491.0	28138.4	5.2
2000.0	1978.7	2.094	1.955	34.630	27.679	36.885	27.668	50.6	21.728	90.5	1491.2	28565.1	.2
2050.0	2027.9	2.046	1.905	34.632	27.684	37.118	27.673	50.1	21.980	90.4	1491.8	29640.4	1.1
2100.0	2077.1	1.999	1.854	34.637	27.692	37.353	27.681	49.4	22.228	90.4	1492.5	30727.7	4.4
2150.0	2126.3	1.971	1.822	34.640	27.697	37.584	27.685	49.0	22.475	90.4	1493.2	31826.9	2.1
2200.0	2175.5	1.938	1.785	34.643	27.702	37.816	27.690	48.6	22.719	90.4	1493.9	32937.9	4.2
2250.0	2224.6	1.906	1.749	34.646	27.708	38.047	27.696	48.1	22.960	90.4	1494.6	34060.6	1.9
2300.0	2273.8	1.872	1.711	34.650	27.713	38.279	27.701	47.6	23.200	90.5	1495.3	35194.8	3.6
2350.0	2322.9	1.846	1.682	34.652	27.718	38.509	27.705	47.3	23.437	90.3	1496.0	36340.5	3.7
2400.0	2372.0	1.826	1.657	34.653	27.720	38.736	27.707	47.1	23.673	90.5	1496.8	37497.6	2.9
2450.0	2421.1	1.802	1.630	34.656	27.725	38.966	27.712	46.8	23.908	90.4	1497.5	38665.9	.6
2500.0	2470.2	1.784	1.607	34.657	27.727	39.192	27.714	46.7	24.142	90.4	1498.3	39845.5	1.2
2550.0	2519.3	1.755	1.575	34.660	27.732	39.423	27.719	46.2	24.374	90.4	1499.0	41036.2	3.0
2600.0	2568.4	1.734	1.550	34.663	27.736	39.651	27.722	45.9	24.604	90.4	1499.8	42238.0	-2.3
2650.0	2617.4	1.719	1.530	34.664	27.738	39.876	27.724	45.9	24.834	90.4	1500.6	43450.8	1.6
2700.0	2666.5	1.699	1.506	34.665	27.741	40.103	27.727	45.7	25.062	90.4	1501.3	44674.6	1.4
2750.0	2715.5	1.678	1.480	34.668	27.745	40.331	27.730	45.3	25.290	90.4	1502.1	45909.3	2.9
2800.0	2764.6	1.663	1.462	34.669	27.747	40.556	27.733	45.2	25.516	90.4	1502.9	47154.8	1.4
2850.0	2813.6	1.645	1.439	34.671	27.751	40.783	27.736	44.9	25.742	90.4	1503.6	48411.1	-.3
2900.0	2862.6	1.627	1.417	34.672	27.753	41.008	27.737	44.8	25.966	90.4	1504.4	49678.1	1.5
2950.0	2911.6	1.614	1.399	34.673	27.755	41.232	27.740	44.7	26.190	90.4	1505.2	50955.9	.7
3000.0	2960.6	1.600	1.380	34.674	27.757	41.457	27.742	44.6	26.413	90.4	1506.0	52244.3	.7
3050.0	3009.6	1.588	1.364	34.676	27.760	41.681	27.743	44.5	26.635	90.4	1506.8	53543.3	1.7
3100.0	3058.5	1.576	1.348	34.678	27.762	41.905	27.746	44.3	26.857	90.4	1507.6	54852.9	.2
3150.0	3107.5	1.566	1.332	34.678	27.764	42.128	27.747	44.3	27.079	90.4	1508.4	56173.0	3.2
3200.0	3156.4	1.555	1.317	34.680	27.766	42.351	27.749	44.2	27.299	90.4	1509.2	57503.7	-.3
3250.0	3205.4	1.548	1.306	34.681	27.768	42.573	27.750	44.1	27.520	90.4	1510.0	58844.9	1.0
3300.0	3254.3	1.540	1.293	34.682	27.770	42.796	27.752	44.1	27.740	90.3	1510.8	60196.5	-.2
3350.0	3303.2	1.532	1.280	34.683	27.771	43.018	27.753	44.0	27.961	90.4	1511.7	61558.7	-2.2
3400.0	3352.1	1.525	1.268	34.684	27.773	43.239	27.755	44.0	28.181	90.4	1512.5	62931.3	-.4
3450.0	3401.0	1.521	1.259	34.685	27.774	43.460	27.756	44.0	28.400	90.4	1513.3	64314.3	-.3
3500.0	3449.8	1.514	1.247	34.686	27.777	43.681	27.758	43.9	28.620	90.4	1514.2	65707.8	3.0
3550.0	3498.7	1.509	1.237	34.687	27.778	43.902	27.758	43.9	28.840	90.3	1515.0	67111.7	1.8
3600.0	3547.6	1.505	1.228	34.688	27.779	44.122	27.760	43.9	29.060	90.3	1515.8	68526.0	-1.1
3650.0	3596.4	1.502	1.220	34.689	27.781	44.342	27.761	43.9	29.279	90.3	1516.7	69950.7	.2
3700.0	3645.2	1.499	1.212	34.690	27.782	44.561	27.761	44.0	29.499	90.3	1517.5	71385.9	2.0
3750.0	3694.1	1.497	1.205	34.690	27.783	44.780	27.762	44.1	29.720	90.3	1518.4	72831.5	.5
3800.0	3742.9	1.498	1.201	34.691	27.783	44.998	27.762	44.2	29.940	90.4	1519.2	74287.5	-.6
3850.0	3791.7	1.500	1.197	34.691	27.784	45.216	27.763	44.3	30.162	90.3	1520.1	75754.0	.3
3900.0	3840.4	1.499	1.190	34.692	27.785	45.434	27.763	44.3	30.383	90.3	1521.0	77231.0	2.7
3950.0	3889.2	1.501	1.187	34.692	27.785	45.650	27.763	44.5	30.606	90.3	1521.8	78718.5	-.1
4000.0	3938.0	1.503	1.184	34.693	27.786	45.867	27.764	44.6	30.829	90.4	1522.7	80216.5	.2
4050.0	3986.8	1.506	1.181	34.693	27.786	46.083	27.763	44.9	31.052	90.5	1523.6	81725.1	1.4
4100.0	4035.5	1.509	1.179	34.694	27.787	46.300	27.764	45.0	31.277	90.3	1524.4	83244.3	.6
4150.0	4084.2	1.513	1.177	34.693	27.787	46.515	27.763	45.2	31.502	90.3	1525.3	84774.1	-2.0
4200.0	4133.0	1.518	1.176	34.693	27.787	46.730	27.763	45.4	31.728	90.2	1526.2	86314.5	-.8
4250.0	4181.7	1.521	1.174	34.694	27.788	46.946	27.763	45.5	31.956	90.3	1527.1	87865.8	1.6
4300.0	4230.4	1.526	1.173	34.694	27.788	47.160	27.763	45.7	32.184	90.3	1528.0	89427.7	-.1
4350.0	4279.1	1.530	1.171	34.694	27.788	47.375	27.763	45.9	32.413	90.2	1528.9	91000.5	-.9
4400.0	4327.8	1.535	1.170	34.695	27.788	47.590	27.763	46.1	32.643	90.3	1529.7	92584.1	.0
4446.0	4372.5	1.541	1.171	34.695	27.789	47.786	27.763	46.3	32.856	90.4	1530.6	94050.6	.0

Station 23 Latitude 32° 52.51'N Longitude 128° 09.02'W 24 Aug 1989 GMT 07:39 Bottom 4400 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.686	19.686	33.818	23.943	23.944	23.943	395.4	.000	90.0	1519.9	.0	.0
10.0	10.0	19.685	19.683	33.818	23.944	23.987	23.944	395.7	.396	90.0	1520.0	2.0	.3
20.0	19.9	19.657	19.653	33.811	23.946	24.033	23.945	395.9	.791	90.0	1520.1	7.9	-2.0
30.0	29.9	19.544	19.538	33.788	23.959	24.089	23.957	395.1	1.187	89.9	1519.9	17.8	22.9
40.0	39.9	19.553	19.546	33.806	23.970	24.144	23.968	394.4	1.582	89.9	1520.1	31.6	11.2
50.0	49.8	19.506	19.497	33.799	23.978	24.194	23.975	394.0	1.976	89.9	1520.2	49.3	54.5
60.0	59.8	18.282	18.272	33.642	24.167	24.428	24.164	376.2	2.363	89.8	1516.7	70.9	279.8
70.0	69.8	16.277	16.266	33.489	24.525	24.833	24.523	342.2	2.720	89.8	1510.7	96.3	225.3
80.0	79.7	15.645	15.632	33.489	24.669	25.021	24.666	328.8	3.055	90.0	1508.9	125.0	41.6
90.0	89.7	15.440	15.426	33.599	24.800	25.196	24.796	316.6	3.379	90.1	1508.5	157.1	177.5
100.0	99.7	14.808	14.793	33.534	24.887	25.329	24.884	308.5	3.691	90.2	1506.6	192.3	104.7
110.0	109.6	14.270	14.254	33.537	25.005	25.491	25.001	297.5	3.995	90.2	1505.0	230.5	117.8
120.0	119.6	13.916	13.899	33.578	25.110	25.641	25.106	287.7	4.287	90.3	1504.1	271.8	63.3
130.0	129.5	13.365	13.347	33.557	25.206	25.784	25.203	278.7	4.570	90.4	1502.4	315.9	88.1
140.0	139.5	13.026	13.007	33.578	25.291	25.913	25.287	270.9	4.845	90.6	1501.5	362.7	91.0
150.0	149.4	12.457	12.437	33.531	25.365	26.034	25.362	263.9	5.113	90.7	1499.6	412.2	88.8
160.0	159.4	11.801	11.781	33.524	25.484	26.200	25.481	252.6	5.370	90.8	1497.5	464.4	115.1
170.0	169.3	11.182	11.161	33.541	25.611	26.373	25.607	240.7	5.616	90.9	1495.5	519.0	62.2
180.0	179.3	10.523	10.502	33.565	25.746	26.555	25.742	227.8	5.850	90.9	1493.4	576.1	182.5
190.0	189.2	10.033	10.012	33.619	25.872	26.728	25.868	215.9	6.071	90.9	1491.8	635.3	56.5
200.0	199.1	9.825	9.803	33.673	25.949	26.851	25.945	208.8	6.282	90.9	1491.3	696.8	57.0
210.0	209.1	9.483	9.459	33.717	26.040	26.988	26.036	200.2	6.486	90.9	1490.3	760.2	69.5
220.0	219.0	9.169	9.146	33.784	26.143	27.138	26.139	190.5	6.681	90.9	1489.3	825.7	75.1
230.0	229.0	8.924	8.899	33.850	26.234	27.275	26.230	182.0	6.867	90.9	1488.7	893.0	96.4
240.0	238.9	8.698	8.672	33.893	26.302	27.390	26.299	175.6	7.046	90.9	1488.0	962.1	47.2
250.0	248.8	8.521	8.495	33.925	26.355	27.489	26.351	170.7	7.219	90.9	1487.6	1033.0	54.7
260.0	258.8	8.356	8.329	33.945	26.396	27.576	26.392	166.9	7.387	90.8	1487.1	1105.6	44.8
270.0	268.7	8.170	8.143	33.964	26.439	27.665	26.435	162.9	7.551	90.8	1486.6	1179.8	22.5
280.0	278.6	8.021	7.992	33.976	26.471	27.743	26.467	160.0	7.713	90.8	1486.2	1255.6	35.6
290.0	288.6	7.900	7.872	33.979	26.491	27.809	26.487	158.2	7.872	90.8	1485.9	1333.0	19.8
300.0	298.5	7.758	7.728	33.992	26.522	27.887	26.518	155.3	8.029	90.8	1485.6	1411.9	9.8
310.0	308.4	7.608	7.578	33.988	26.541	27.952	26.537	153.6	8.183	90.8	1485.1	1492.4	35.3
320.0	318.4	7.399	7.368	33.988	26.570	28.029	26.566	150.8	8.336	90.8	1484.5	1574.5	23.2
330.0	328.3	7.268	7.237	33.988	26.589	28.093	26.584	149.2	8.486	90.8	1484.1	1658.0	29.4
340.0	338.2	7.146	7.114	33.994	26.611	28.162	26.607	147.2	8.634	90.8	1483.8	1743.0	16.7
350.0	348.1	6.975	6.943	33.989	26.631	28.228	26.626	145.4	8.780	90.7	1483.3	1829.4	21.1
360.0	358.1	6.819	6.786	33.995	26.656	28.301	26.652	142.9	8.924	90.7	1482.9	1917.3	17.0
370.0	368.0	6.609	6.575	33.995	26.685	28.377	26.681	140.2	9.066	90.7	1482.2	2006.6	23.1
380.0	377.9	6.496	6.462	34.000	26.704	28.442	26.699	138.5	9.205	90.7	1481.9	2097.3	14.0
390.0	387.8	6.372	6.337	34.009	26.727	28.512	26.722	136.3	9.342	90.7	1481.6	2189.3	20.1
400.0	397.8	6.258	6.223	34.014	26.745	28.577	26.741	134.7	9.478	90.7	1481.3	2282.7	16.9
410.0	407.7	6.097	6.061	34.010	26.763	28.642	26.758	133.0	9.612	90.7	1480.8	2377.4	12.2
420.0	417.6	6.004	5.968	34.016	26.780	28.705	26.775	131.4	9.744	90.7	1480.6	2473.5	8.4
430.0	427.5	5.932	5.895	34.014	26.787	28.758	26.782	130.8	9.875	90.7	1480.5	2570.8	20.4
440.0	437.5	5.872	5.835	34.029	26.806	28.825	26.802	129.0	10.005	90.6	1480.5	2669.4	11.6
450.0	447.4	5.833	5.795	34.041	26.820	28.885	26.816	127.8	10.134	90.7	1480.5	2769.3	24.2
460.0	457.3	5.816	5.777	34.062	26.840	28.950	26.835	126.1	10.260	90.6	1480.6	2870.5	20.4
470.0	467.2	5.735	5.695	34.070	26.856	29.013	26.851	124.6	10.386	90.6	1480.4	2972.9	12.7
480.0	477.1	5.643	5.603	34.080	26.875	29.079	26.870	122.8	10.509	90.6	1480.2	3076.5	18.9
490.0	487.1	5.571	5.530	34.085	26.888	29.137	26.882	121.7	10.632	90.6	1480.1	3181.4	4.2
500.0	497.0	5.515	5.474	34.093	26.900	29.197	26.895	120.6	10.753	90.6	1480.1	3287.4	17.1
510.0	506.9	5.502	5.459	34.113	26.918	29.260	26.913	119.0	10.873	90.6	1480.2	3394.7	20.3
520.0	516.8	5.413	5.370	34.118	26.933	29.321	26.928	117.6	10.991	90.6	1480.0	3503.1	25.0
530.0	526.7	5.270	5.227	34.122	26.953	29.389	26.948	115.7	11.108	90.6	1479.6	3612.7	25.0
540.0	536.7	5.286	5.242	34.147	26.971	29.453	26.966	114.1	11.222	90.6	1479.9	3723.4	10.9
550.0	546.6	5.196	5.151	34.143	26.978	29.507	26.973	113.4	11.336	90.6	1479.7	3835.2	8.3
560.0	556.5	5.208	5.163	34.160	26.991	29.565	26.986	112.4	11.449	90.6	1479.9	3948.2	14.8
570.0	566.4	5.169	5.123	34.178	27.009	29.629	27.004	110.7	11.560	90.5	1479.9	4062.2	10.7
580.0	576.3	5.099	5.052	34.180	27.019	29.686	27.014	109.8	11.671	90.6	1479.8	4177.4	13.3
590.0	586.2	5.045	4.997	34.190	27.034	29.747	27.028	108.5	11.780	90.6	1479.8	4293.6	8.6
600.0	596.1	5.045	4.997	34.198	27.040	29.799	27.035	108.0	11.888	90.6	1479.9	4410.9	15.9
610.0	606.0	4.972	4.924	34.207	27.055	29.861	27.050	106.6	11.995	90.6	1479.8	4529.3	19.4
620.0	616.0	4.951	4.902	34.218	27.067	29.918	27.061	105.6	12.101	90.6	1479.9	4648.7	6.3
630.0	625.9	4.884	4.834	34.225	27.080	29.978	27.074	104.4	12.206	90.6	1479.8	4769.1	19.1
640.0	635.8	4.877	4.826	34.249	27.100	30.044	27.094	102.6	12.310	90.5	1480.0	4890.6	11.2
650.0	645.7	4.855	4.803	34.263	27.113	30.104	27.108	101.4	12.412	90.6	1480.1	5013.1	18.3
660.0	655.6	4.757	4.705	34.261	27.123	30.160	27.117	100.5	12.513	90.6	1479.8	5136.6	8.3
670.0	665.5	4.702	4.650	34.263	27.131	30.215	27.125	99.8	12.613	90.6	1479.7	5261.1	13.9
680.0	675.4	4.764	4.710	34.292	27.147	30.275	27.141	98.4	12.712	90.6	1480.2	5386.5	13.9
690.0	685.3	4.633	4.579	34.285	27.156	30.332	27.150	97.5	12.810	90.6	1479.8	5513.0	17.7
700.0	695.2	4.560	4.506	34.290	27.168	30.391	27.162	96.4	12.907	90.6	1479.7	5640.3	14.5
710.0	705.1	4.575	4.520	34.304	27.177	30.446	27.171	95.6	13.003	90.6	1479.9	5768.7	23.5
720.0	715.0	4.592	4.536	34.322	27.190	30.504	27.184	94.5	13.098	90.6	1480.2	5897.9	9.2
730.0	724.9	4.562	4.505	34.330	27.200	30.560	27.194	93.7	13.192	90.6	1480.2	6028.1	9.5
740.0	734.8	4.486	4.429	34.332	27.210	30.617	27.204	92.7	13.285	90.5	1480.1	6159.3	7.2
750.0	744.7	4.442	4.384	34.339	27.220	30.674	27.213	91.8	13.378	90.6	1480.1	6291.3	14.2
760.0	754.6	4.452	4.393	34.350	27.228	30.727	27.221	91.2	13.469	90.6	1480.3	6424.2	12.4
770.0	764.5	4.392	4.332	34.355	27.238	30.784	27.232	90.2	13.560	90.6	1480.2	6558.0	4.5
780.0	774.5	4.347	4.287	34.362	27.249	30.842	27.243	89.2	13.650	90.6	1480.2	6692.8	15.7
790.0	784.3	4.290	4.229	34.369	27.260	30.900	27.254	88.1	13.738	90.6	1480.1	6828.3	6.9
800.0	794.3	4.266	4.205	34.376	27.269	30.954	27.262	87.4	13.826	90.5	1480.2	6964.8	10.7
810.0	804.2	4.232	4.170	34.382	27.276	31.008	27.270	86.7	13.913	90.6	1480.3	7102.1	7.2
820.0	814.0	4.203	4.141	34.393	27.289	31.067	27.282	85.6	13.999	90.6	1480.3	7240.3	5.4
830.0	824.0	4.173	4.110	34.398	27.296	31.120	27.289	85.0	14.084	90.6	1480.4	7379.3	5.1
840.0	833.8	4.145	4.082	34.400	27.301	31.171	27.294	84.6	14.169	90.5	1480.4	7519.1	2.8
850.0	843.8	4.110	4.046	34.403	27.307	31.224	27.300	84.0	14.253	90.5	1480.4	7659.8	7.8
860.0	853.6	4.089	4.024	34.407	27.312	31.275	27.305	83.6	14.337	90.5	1480.5	7801.3	4.5
870.0	863.5	4.047	3.982	34.411	27.319	31.329	27.313	82.9	14.420	90.5	1480.5	7943.6	6.3
880.0	873.4	4.003	3.937	34.413	27.326	31.382	27.319	82.3	14.503	90.6	1480.5	8086.7	6.0
890.0	883.3	3.977	3.911	34.418	27.333	31.435	27.326	81.7	14.585	90.6	1480.5	8230.6	13.9
900.0	893.2	3.949	3.882	34.423	27.339	31.488	27.333	81.1	14.666	90.6	1480.6	8375.3	4.3
910.0	903.1	3.936	3.868	34.425	27.343	31.537	27.336	80.8	14.747	90.6	1480.7	8520.9	4.3
920.0	913.0	3.921	3.853	34.427	27.346	31.587	27.339	80.6	14.828	90.6	1480.8	8667.2	9.2
930.0	922.9	3.897	3.828	34.431	27.351	31.638	27.344	80.1	14.908	90.6	1480.9	8814.3	1.6
940.0	932.8	3.894	3.824	34.437	27.356	31.689	27.349	79.7	14.988	90.6	1481.0	8962.2	4.3
950.0	942.7	3.863	3.793	34.441	27.363	31.742	27.356	79.2	15.068	90.6	1481.1	9110.8	5.7
960.0	952.6	3.843	3.771	34.448	27.370	31.795	27.363	78.5	15.147	90.5	1481.2	9260.3	7.8
970.0	962.5	3.798	3.726	34.450	27.376	31.848	27.369	77.9	15.225	90.5	1481.2	9410.5	1.7
980.0	972.4	3.796	3.724	34.454	27.380	31.897	27.373	77.7	15.303	90.5	1481.3	9561.5	4.3
990.0	982.3	3.725	3.652	34.456	27.389	31.953	27.381	76.8	15.380	90.6	1481.2	9713.2	6.6

Station 23 Latitude 32° 52.51'N Longitude 128° 09.02'W 24 Aug 1989 GMT 07:39 Bottom 4400 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.713	3.639	34.457	27.391	32.001	27.383	76.6	15.457	90.5	1481.3	9865.7	4.6
1020.0	1011.9	3.675	3.600	34.462	27.399	32.101	27.391	76.0	15.609	90.5	1481.5	10172.9	7.2
1040.0	1031.7	3.616	3.540	34.470	27.411	32.207	27.404	74.8	15.760	90.6	1481.6	10483.1	9.6
1060.0	1051.5	3.567	3.490	34.477	27.422	32.310	27.414	73.9	15.909	90.6	1481.7	10796.3	6.1
1080.0	1071.3	3.528	3.450	34.483	27.430	32.411	27.423	73.1	16.056	90.5	1481.9	11112.3	2.3
1100.0	1091.0	3.485	3.405	34.489	27.440	32.512	27.432	72.3	16.201	90.5	1482.0	11431.2	6.7
1120.0	1110.8	3.444	3.363	34.494	27.447	32.612	27.439	71.7	16.345	90.6	1482.2	11752.9	5.2
1140.0	1130.6	3.412	3.329	34.500	27.455	32.712	27.447	71.0	16.488	90.5	1482.4	12077.4	3.5
1160.0	1150.3	3.365	3.282	34.503	27.462	32.812	27.455	70.3	16.629	90.6	1482.5	12404.7	4.7
1180.0	1170.1	3.320	3.235	34.509	27.471	32.913	27.463	69.6	16.769	90.5	1482.7	12734.7	5.5
1200.0	1189.8	3.288	3.202	34.512	27.477	33.011	27.469	69.1	16.908	90.5	1482.9	13067.4	2.9
1220.0	1209.6	3.258	3.171	34.516	27.483	33.109	27.475	68.6	17.045	90.5	1483.1	13402.9	.0
1240.0	1229.4	3.225	3.136	34.519	27.489	33.206	27.480	68.1	17.182	90.5	1483.3	13741.0	2.1
1260.0	1249.1	3.189	3.099	34.522	27.495	33.305	27.486	67.6	17.317	90.5	1483.5	14081.7	2.7
1280.0	1268.9	3.146	3.055	34.528	27.503	33.405	27.494	66.8	17.452	90.5	1483.6	14425.1	2.4
1300.0	1288.6	3.111	3.018	34.532	27.510	33.504	27.501	66.2	17.585	90.6	1483.8	14771.1	6.5
1320.0	1308.4	3.066	2.972	34.535	27.517	33.603	27.508	65.6	17.716	90.5	1483.9	15119.7	3.0
1340.0	1328.1	3.018	2.923	34.540	27.525	33.704	27.517	64.8	17.847	90.5	1484.1	15470.8	1.8
1360.0	1347.9	2.987	2.891	34.544	27.531	33.802	27.522	64.3	17.976	90.5	1484.3	15824.5	2.1
1380.0	1367.6	2.950	2.853	34.547	27.537	33.900	27.528	63.7	18.104	90.6	1484.5	16180.7	1.8
1400.0	1387.3	2.917	2.818	34.550	27.542	33.998	27.533	63.3	18.231	90.5	1484.7	16539.3	3.3
1420.0	1407.1	2.889	2.789	34.553	27.547	34.095	27.538	62.8	18.357	90.5	1484.9	16900.4	2.5
1440.0	1426.8	2.860	2.758	34.555	27.552	34.191	27.542	62.5	18.482	90.5	1485.1	17264.0	1.6
1460.0	1446.6	2.827	2.724	34.558	27.558	34.289	27.548	61.9	18.607	90.5	1485.3	17629.9	1.9
1480.0	1466.3	2.795	2.691	34.561	27.562	34.385	27.553	61.5	18.730	90.5	1485.5	17998.3	3.1
1500.0	1486.0	2.761	2.656	34.564	27.568	34.483	27.559	61.0	18.853	90.5	1485.7	18369.1	2.5
1520.0	1505.8	2.723	2.617	34.567	27.573	34.581	27.564	60.4	18.974	90.5	1485.8	18742.3	1.6
1540.0	1525.5	2.703	2.595	34.569	27.577	34.676	27.568	60.1	19.094	90.5	1486.1	19117.8	4.0
1560.0	1545.2	2.671	2.562	34.572	27.583	34.774	27.573	59.6	19.214	90.5	1486.3	19495.6	5.2
1580.0	1564.9	2.644	2.534	34.574	27.586	34.869	27.577	59.3	19.333	90.5	1486.5	19875.7	1.7
1600.0	1584.7	2.611	2.500	34.577	27.591	34.966	27.582	58.8	19.451	90.5	1486.7	20258.2	4.3
1620.0	1604.4	2.581	2.468	34.579	27.596	35.063	27.587	58.4	19.569	90.5	1486.9	20642.9	1.4
1640.0	1624.1	2.550	2.436	34.582	27.601	35.160	27.592	57.9	19.685	90.5	1487.1	21029.9	4.1
1660.0	1643.8	2.515	2.400	34.585	27.606	35.257	27.597	57.4	19.800	90.5	1487.3	21419.1	2.9
1680.0	1663.5	2.489	2.372	34.587	27.610	35.352	27.600	57.0	19.914	90.5	1487.5	21810.6	1.7
1700.0	1683.2	2.455	2.337	34.590	27.616	35.450	27.606	56.5	20.028	90.5	1487.7	22204.3	1.2
1720.0	1702.9	2.425	2.305	34.593	27.621	35.546	27.611	56.1	20.141	90.5	1487.9	22600.1	.9
1740.0	1722.7	2.397	2.276	34.595	27.625	35.642	27.615	55.7	20.252	90.6	1488.1	22998.2	.3
1760.0	1742.4	2.374	2.252	34.596	27.628	35.737	27.618	55.4	20.364	90.5	1488.4	23398.4	.3
1780.0	1762.1	2.349	2.226	34.599	27.632	35.832	27.622	55.0	20.474	90.5	1488.6	23800.7	3.3
1800.0	1781.8	2.320	2.195	34.602	27.637	35.929	27.627	54.5	20.584	90.5	1488.8	24205.2	.9
1820.0	1801.5	2.292	2.167	34.603	27.641	36.024	27.630	54.2	20.692	90.6	1489.0	24611.8	3.9
1840.0	1821.2	2.273	2.146	34.605	27.644	36.119	27.633	53.9	20.801	90.4	1489.3	25020.4	2.4
1860.0	1840.9	2.249	2.121	34.607	27.647	36.214	27.637	53.6	20.908	90.5	1489.5	25431.2	4.5
1880.0	1860.6	2.236	2.106	34.609	27.650	36.307	27.639	53.4	21.015	90.5	1489.8	25844.0	.1
1900.0	1880.3	2.211	2.079	34.612	27.654	36.404	27.644	52.9	21.121	90.5	1490.0	26258.9	1.0
1920.0	1899.9	2.188	2.055	34.615	27.659	36.499	27.648	52.5	21.227	90.4	1490.3	26675.9	3.9
1940.0	1919.6	2.162	2.028	34.618	27.663	36.595	27.653	52.1	21.331	90.5	1490.5	27094.8	1.6
1960.0	1939.3	2.151	2.016	34.619	27.665	36.688	27.654	52.0	21.435	90.5	1490.8	27515.8	1.0
1980.0	1959.0	2.135	1.998	34.621	27.669	36.782	27.658	51.7	21.539	90.5	1491.0	27938.8	2.5
2000.0	1978.7	2.114	1.975	34.624	27.673	36.877	27.662	51.3	21.642	90.5	1491.3	28363.8	1.4
2050.0	2027.9	2.060	1.919	34.626	27.679	37.111	27.667	50.7	21.897	90.5	1491.9	29434.9	2.0
2100.0	2077.1	2.023	1.878	34.630	27.684	37.344	27.673	50.2	22.149	90.5	1492.6	30518.2	1.1
2150.0	2126.3	1.990	1.841	34.635	27.692	37.578	27.680	49.6	22.399	90.5	1493.3	31613.6	2.1
2200.0	2175.4	1.958	1.805	34.638	27.697	37.809	27.685	49.2	22.645	90.5	1494.0	32720.9	2.1
2250.0	2224.6	1.927	1.770	34.641	27.702	38.040	27.690	48.8	22.890	90.5	1494.7	33840.0	1.9
2300.0	2273.7	1.901	1.740	34.644	27.706	38.270	27.694	48.4	23.133	90.5	1495.4	34970.9	2.2
2350.0	2322.8	1.864	1.699	34.647	27.712	38.502	27.699	47.9	23.373	90.4	1496.1	36113.4	-1.3
2400.0	2372.0	1.835	1.667	34.650	27.717	38.733	27.704	47.5	23.612	90.5	1496.8	37267.3	.5
2450.0	2421.1	1.809	1.637	34.652	27.721	38.961	27.708	47.2	23.848	90.5	1497.6	38432.7	2.3
2500.0	2470.2	1.784	1.607	34.654	27.725	39.191	27.712	46.9	24.084	90.5	1498.3	39609.4	2.1
2550.0	2519.3	1.762	1.582	34.656	27.728	39.418	27.715	46.6	24.317	90.4	1499.1	40797.3	.3
2600.0	2568.3	1.736	1.551	34.659	27.732	39.647	27.719	46.3	24.550	90.5	1499.8	41996.4	.1
2650.0	2617.4	1.713	1.524	34.660	27.736	39.875	27.722	46.0	24.781	90.4	1500.5	43206.5	1.6
2700.0	2666.4	1.697	1.504	34.663	27.739	40.102	27.725	45.8	25.010	90.4	1501.3	44427.7	1.4
2750.0	2715.5	1.676	1.479	34.665	27.743	40.329	27.728	45.5	25.238	90.4	1502.1	45659.8	.2
2800.0	2764.5	1.659	1.458	34.666	27.745	40.555	27.731	45.3	25.465	90.4	1502.8	46902.8	1.4
2850.0	2813.5	1.641	1.436	34.669	27.749	40.781	27.734	45.1	25.691	90.5	1503.6	48156.6	-.9
2900.0	2862.5	1.627	1.417	34.669	27.751	41.006	27.735	45.0	25.917	90.5	1504.4	49421.2	1.8
2950.0	2911.5	1.613	1.398	34.671	27.753	41.231	27.738	44.9	26.142	90.4	1505.2	50696.5	1.0
3000.0	2960.5	1.599	1.379	34.672	27.756	41.455	27.740	44.7	26.365	90.4	1506.0	51982.6	-1.0
3050.0	3009.5	1.590	1.366	34.673	27.758	41.679	27.741	44.7	26.589	90.4	1506.8	53279.3	-1.6
3100.0	3058.5	1.579	1.351	34.674	27.760	41.902	27.743	44.6	26.812	90.5	1507.6	54586.6	-.1
3150.0	3107.4	1.564	1.331	34.676	27.763	42.127	27.746	44.4	27.035	90.4	1508.4	55904.6	.0
3200.0	3156.4	1.556	1.318	34.677	27.764	42.349	27.747	44.3	27.256	90.4	1509.2	57233.1	1.8
3250.0	3205.3	1.544	1.302	34.678	27.766	42.572	27.749	44.2	27.478	90.5	1510.0	58572.1	-1.7
3300.0	3254.2	1.533	1.286	34.681	27.769	42.796	27.751	44.1	27.698	90.4	1510.8	59921.7	-.2
3350.0	3303.1	1.522	1.270	34.682	27.771	43.018	27.753	44.0	27.918	90.4	1511.6	61281.8	-.4
3400.0	3352.0	1.515	1.258	34.683	27.773	43.240	27.755	43.9	28.138	90.4	1512.4	62652.3	.8
3450.0	3400.9	1.510	1.248	34.684	27.774	43.461	27.756	43.9	28.358	90.5	1513.3	64033.2	-.3
3500.0	3449.8	1.507	1.241	34.684	27.775	43.681	27.756	44.0	28.577	90.4	1514.1	65424.5	-.3
3550.0	3498.6	1.501	1.229	34.686	27.777	43.902	27.758	43.9	28.797	90.4	1515.0	66826.3	-.2
3600.0	3547.5	1.496	1.219	34.687	27.779	44.122	27.759	43.9	29.016	90.5	1515.8	68238.5	-.5
3650.0	3596.3	1.494	1.212	34.688	27.780	44.342	27.760	43.9	29.236	90.4	1516.6	69661.0	1.6
3700.0	3645.2	1.492	1.205	34.689	27.781	44.561	27.761	44.0	29.455	90.4	1517.5	71094.0	.8
3750.0	3694.0	1.492	1.199	34.689	27.782	44.780	27.761	44.1	29.676	90.3	1518.3	72537.4	-1.2
3800.0	3742.8	1.494	1.196	34.689	27.783	44.997	27.761	44.2	29.896	90.4	1519.2	73991.3	-.3
3850.0	3791.6	1.492	1.189	34.691	27.784	45.216	27.763	44.2	30.117	90.4	1520.1	75455.6	.1
3900.0	3840.4	1.496	1.188	34.691	27.784	45.433	27.763	44.4	30.339	90.4	1520.9	76930.4	1.6
3950.0	3889.2	1.498	1.184	34.691	27.784	45.650	27.762	44.6	30.562	90.4	1521.8	78415.7	.4
4000.0	3937.9	1.500	1.180	34.692	27.785	45.867	27.763	44.7	30.785	90.3	1522.7	79911.6	-.1
4050.0	3986.7	1.501	1.176	34.692	27.786	46.083	27.763	44.8	31.008	90.4	1523.5	81418.0	1.4
4100.0	4035.4	1.505	1.175	34.692	27.786	46.299	27.763	45.0	31.233	90.4	1524.4	82935.0	.9
4150.0	4084.2	1.508	1.172	34.692	27.787	46.515	27.763	45.2	31.458	90.3	1525.3	84462.6	.6
4200.0	4132.9	1.511	1.169	34.693	27.787	46.731	27.763	45.3	31.684	90.4	1526.2	86000.9	1.0
4250.0	4181.6	1.515	1.168	34.693	27.787	46.946	27.762	45.5	31.911	90.3	1527.1	87549.9	-.7
4300.0	4230.3	1.518	1.165	34.693	27.788	47.161	27.763	45.7	32.139	90.4	1527.9	89109.7	-.4
4350.0	4279.0	1.522	1.163	34.693	27.788	47.376	27.762	45.9	32.368	90.3	1528.8	90680.3	.5
4400.0	4327.7	1.526	1.161	34.694	27.789	47.591	27.763	46.0	32.597	90.4	1529.7	92261.6	.0
4412.0	4339.4	1.528	1.161	34.694	27.789	47.642	27.763	46.1	32.653	90.3	1529.9	92642.7	.0

Station 24 Latitude 33° 05.62'N Longitude 128° 00.94'W 24 Aug 1989 GMT 11:36 Bottom 4500 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.475	19.475	33.751	23.947	23.947	23.947	395.1	.000	89.8	1519.2	.0	.0
10.0	10.0	19.478	19.476	33.752	23.947	23.990	23.947	395.4	.395	89.8	1519.4	2.0	2.4
20.0	19.9	19.485	19.482	33.755	23.948	24.035	23.947	395.7	.791	89.9	1519.6	7.9	-1.1
30.0	29.9	19.481	19.475	33.752	23.947	24.077	23.946	396.2	1.187	89.8	1519.7	17.7	-.3
40.0	39.9	19.439	19.432	33.745	23.953	24.127	23.951	396.0	1.583	89.8	1519.8	31.5	32.2
50.0	49.8	19.320	19.311	33.757	23.994	24.210	23.991	392.5	1.978	89.7	1519.6	49.3	178.4
60.0	59.8	17.734	17.724	33.764	24.394	24.655	24.391	354.6	2.353	89.7	1515.2	70.9	462.5
70.0	69.8	16.142	16.131	33.644	24.676	24.983	24.674	327.9	2.690	89.7	1510.4	96.0	133.1
80.0	79.7	15.701	15.688	33.622	24.759	25.111	24.756	320.3	3.013	89.8	1509.2	124.4	34.9
90.0	89.7	14.617	14.604	33.454	24.867	25.264	24.864	310.1	3.330	89.9	1505.7	156.0	191.7
100.0	99.6	13.969	13.955	33.423	24.978	25.421	24.976	299.7	3.634	89.9	1503.7	190.7	95.8
110.0	109.6	13.502	13.487	33.363	25.028	25.517	25.025	295.1	3.931	89.9	1502.3	228.4	42.1
120.0	119.6	13.322	13.306	33.458	25.138	25.671	25.135	284.9	4.223	90.3	1502.0	269.0	174.2
130.0	129.5	13.300	13.282	33.595	25.249	25.826	25.245	274.7	4.502	90.4	1502.2	312.4	149.3
140.0	139.4	12.926	12.908	33.647	25.364	25.987	25.360	263.9	4.771	90.5	1501.2	358.5	149.8
150.0	149.4	11.852	11.833	33.556	25.499	26.170	25.496	251.0	5.029	90.6	1497.6	407.3	129.4
160.0	159.4	11.593	11.573	33.587	25.572	26.287	25.568	244.3	5.277	90.7	1496.9	458.5	50.9
170.0	169.3	11.207	11.186	33.602	25.654	26.415	25.650	236.6	5.518	90.7	1495.7	512.2	125.5
180.0	179.2	11.012	10.990	33.669	25.742	26.549	25.737	228.5	5.751	90.7	1495.3	568.3	54.0
190.0	189.2	10.504	10.481	33.606	25.782	26.636	25.778	224.7	5.977	90.7	1493.5	626.6	25.8
200.0	199.1	10.369	10.345	33.663	25.850	26.749	25.846	218.4	6.198	90.8	1493.3	687.1	36.0
210.0	209.1	10.166	10.142	33.707	25.919	26.864	25.915	212.0	6.414	90.8	1492.7	749.8	122.7
220.0	219.0	9.897	9.872	33.773	26.016	27.007	26.012	202.9	6.620	90.8	1492.0	814.6	69.4
230.0	228.9	9.567	9.541	33.823	26.110	27.148	26.106	194.1	6.818	90.7	1491.0	881.4	88.3
240.0	238.9	9.232	9.206	33.884	26.212	27.296	26.208	184.4	7.006	90.8	1490.0	950.1	33.8
250.0	248.8	9.054	9.027	33.909	26.259	27.390	26.256	180.0	7.189	90.8	1489.6	1020.6	82.4
260.0	258.8	8.745	8.718	33.916	26.314	27.491	26.310	174.9	7.366	90.7	1488.6	1092.9	36.9
270.0	268.7	8.658	8.630	33.958	26.361	27.584	26.356	170.6	7.539	90.7	1488.5	1166.9	33.4
280.0	278.6	8.410	8.382	33.971	26.408	27.678	26.404	166.2	7.707	90.7	1487.7	1242.7	40.1
290.0	288.6	8.061	8.032	33.975	26.465	27.782	26.460	160.8	7.871	90.7	1486.5	1320.0	63.8
300.0	298.5	7.950	7.920	33.990	26.493	27.856	26.489	158.2	8.030	90.7	1486.3	1399.0	14.0
310.0	308.4	7.754	7.724	33.983	26.516	27.926	26.511	156.1	8.187	90.6	1485.7	1479.5	18.6
320.0	318.4	7.542	7.511	33.988	26.550	28.007	26.546	152.9	8.342	90.7	1485.0	1561.6	35.3
330.0	328.3	7.400	7.369	33.991	26.573	28.076	26.568	150.8	8.494	90.6	1484.7	1645.2	18.3
340.0	338.2	7.313	7.280	33.995	26.588	28.138	26.584	149.4	8.644	90.7	1484.5	1730.2	23.8
350.0	348.1	7.089	7.056	33.994	26.619	28.216	26.615	146.5	8.792	90.6	1483.8	1816.8	22.3
360.0	358.1	6.980	6.946	34.002	26.640	28.283	26.635	144.6	8.938	90.6	1483.5	1904.8	15.0
370.0	368.0	6.762	6.728	33.988	26.659	28.349	26.654	142.8	9.081	90.6	1482.8	1994.2	5.6
380.0	377.9	6.602	6.568	33.984	26.677	28.415	26.673	141.1	9.223	90.6	1482.3	2085.1	20.2
390.0	387.8	6.469	6.434	33.995	26.703	28.488	26.699	138.6	9.363	90.6	1482.0	2177.3	21.6
400.0	397.8	6.332	6.296	34.001	26.726	28.557	26.721	136.6	9.501	90.6	1481.6	2270.9	15.4
410.0	407.7	6.283	6.247	34.016	26.744	28.621	26.739	134.9	9.636	90.6	1481.6	2365.9	11.9
420.0	417.6	6.273	6.236	34.033	26.758	28.681	26.753	133.7	9.771	90.6	1481.7	2462.2	8.1
430.0	427.5	6.130	6.092	34.032	26.776	28.747	26.772	132.0	9.904	90.6	1481.3	2559.8	15.4
440.0	437.5	6.189	6.151	34.067	26.797	28.811	26.792	130.3	10.035	90.5	1481.8	2658.7	17.5
450.0	447.4	6.033	5.994	34.059	26.810	28.872	26.805	129.0	10.164	90.5	1481.3	2758.9	16.3
460.0	457.3	5.948	5.908	34.067	26.827	28.935	26.822	127.5	10.292	90.5	1481.1	2860.4	9.3
470.0	467.2	5.708	5.668	34.056	26.848	29.005	26.843	125.3	10.419	90.6	1480.3	2963.1	26.5
480.0	477.1	5.643	5.603	34.064	26.862	29.066	26.858	124.0	10.543	90.5	1480.2	3067.1	16.5
490.0	487.1	5.603	5.562	34.077	26.877	29.127	26.872	122.7	10.667	90.5	1480.2	3172.3	8.9
500.0	497.0	5.518	5.477	34.080	26.890	29.187	26.885	121.5	10.789	90.6	1480.1	3278.7	8.6
510.0	506.9	5.470	5.428	34.090	26.904	29.247	26.899	120.3	10.910	90.5	1480.0	3386.3	8.0
520.0	516.8	5.480	5.437	34.110	26.919	29.307	26.914	119.0	11.030	90.5	1480.3	3495.1	18.3
530.0	526.7	5.499	5.455	34.130	26.933	29.366	26.927	117.9	11.148	90.6	1480.5	3605.0	9.2
540.0	536.6	5.358	5.314	34.132	26.951	29.431	26.946	116.1	11.265	90.6	1480.1	3716.2	19.2
550.0	546.6	5.273	5.228	34.140	26.967	29.494	26.962	114.6	11.381	90.5	1480.0	3828.4	18.6
560.0	556.5	5.224	5.179	34.152	26.982	29.556	26.977	113.2	11.495	90.5	1479.9	3941.8	8.6
570.0	566.4	5.159	5.113	34.158	26.994	29.615	26.989	112.1	11.607	90.5	1479.8	4056.3	8.6
580.0	576.3	5.086	5.040	34.162	27.007	29.674	27.001	110.9	11.719	90.5	1479.7	4172.0	19.7
590.0	586.2	5.037	4.990	34.171	27.019	29.733	27.014	109.8	11.829	90.5	1479.7	4288.7	3.3
600.0	596.1	4.988	4.940	34.177	27.030	29.790	27.024	108.9	11.938	90.5	1479.7	4406.5	16.8
610.0	606.0	4.879	4.830	34.175	27.041	29.848	27.035	107.8	12.047	90.5	1479.4	4525.3	9.7
620.0	616.0	4.829	4.780	34.188	27.057	29.911	27.051	106.3	12.154	90.6	1479.4	4645.3	9.7
630.0	625.9	4.790	4.740	34.192	27.064	29.964	27.058	105.7	12.260	90.5	1479.4	4766.2	3.3
640.0	635.8	4.745	4.694	34.198	27.074	30.021	27.068	104.8	12.365	90.5	1479.3	4888.2	10.0
650.0	645.7	4.689	4.638	34.205	27.086	30.079	27.080	103.7	12.469	90.5	1479.3	5011.3	8.3
660.0	655.6	4.656	4.605	34.218	27.100	30.139	27.094	102.5	12.572	90.5	1479.3	5135.3	14.4
670.0	665.5	4.597	4.545	34.222	27.110	30.196	27.104	101.6	12.674	90.5	1479.3	5260.4	9.2
680.0	675.4	4.588	4.535	34.229	27.116	30.248	27.111	101.0	12.775	90.5	1479.4	5386.5	10.0
690.0	685.3	4.525	4.472	34.238	27.130	30.309	27.124	99.7	12.876	90.4	1479.3	5513.6	10.3
700.0	695.2	4.509	4.455	34.251	27.142	30.367	27.136	98.7	12.975	90.5	1479.4	5641.6	8.3
710.0	705.1	4.489	4.434	34.257	27.150	30.420	27.144	98.0	13.073	90.5	1479.5	5770.6	11.5
720.0	715.0	4.477	4.421	34.268	27.159	30.476	27.153	97.2	13.171	90.5	1479.6	5900.6	3.9
730.0	724.9	4.445	4.389	34.273	27.167	30.530	27.161	96.5	13.268	90.5	1479.7	6031.5	7.4
740.0	734.8	4.411	4.354	34.280	27.176	30.585	27.170	95.7	13.364	90.5	1479.7	6163.4	11.5
750.0	744.7	4.376	4.319	34.292	27.189	30.645	27.183	94.5	13.459	90.5	1479.7	6296.2	14.2
760.0	754.6	4.345	4.287	34.301	27.200	30.702	27.194	93.6	13.553	90.5	1479.8	6430.0	12.7
770.0	764.5	4.300	4.242	34.310	27.212	30.760	27.206	92.5	13.646	90.4	1479.8	6564.7	11.2
780.0	774.4	4.274	4.215	34.316	27.220	30.815	27.214	91.8	13.738	90.5	1479.8	6700.3	11.2
790.0	784.3	4.232	4.172	34.328	27.234	30.875	27.227	90.5	13.830	90.5	1479.8	6836.7	12.7
800.0	794.3	4.194	4.134	34.338	27.246	30.933	27.239	89.4	13.920	90.4	1479.9	6974.1	9.5
810.0	804.2	4.180	4.119	34.346	27.254	30.987	27.247	88.7	14.009	90.5	1480.0	7112.4	6.0
820.0	814.0	4.179	4.117	34.356	27.262	31.041	27.256	88.0	14.097	90.5	1480.2	7251.5	2.5
830.0	823.9	4.171	4.108	34.363	27.268	31.092	27.261	87.6	14.185	90.5	1480.3	7391.5	7.2
840.0	833.8	4.137	4.074	34.370	27.278	31.149	27.271	86.7	14.272	90.5	1480.3	7532.3	8.0
850.0	843.7	4.121	4.057	34.377	27.285	31.202	27.278	86.1	14.358	90.5	1480.4	7674.0	8.6
860.0	853.6	4.088	4.023	34.382	27.292	31.255	27.285	85.4	14.444	90.5	1480.5	7816.5	11.9
870.0	863.5	4.053	3.987	34.387	27.300	31.310	27.294	84.7	14.529	90.4	1480.5	7959.9	8.1
880.0	873.4	4.052	3.986	34.394	27.306	31.361	27.299	84.3	14.613	90.4	1480.7	8104.1	3.7
890.0	883.3	4.007	3.940	34.397	27.313	31.415	27.306	83.6	14.697	90.5	1480.6	8249.1	11.3
900.0	893.2	3.997	3.929	34.400	27.316	31.464	27.310	83.3	14.781	90.5	1480.8	8395.0	2.8
910.0	903.1	3.963	3.895	34.406	27.324	31.519	27.317	82.6	14.864	90.4	1480.8	8541.6	9.2
920.0	913.0	3.939	3.871	34.412	27.332	31.573	27.325	81.9	14.946	90.5	1480.9	8689.1	9.8
930.0	922.9	3.906	3.837	34.419	27.341	31.628	27.334	81.1	15.028	90.4	1480.9	8837.4	10.1
940.0	932.8	3.875	3.805	34.423	27.347	31.680	27.340	80.5	15.108	90.4	1481.0	8986.5	.8
950.0	942.7	3.852	3.782	34.427	27.353	31.732	27.346	80.1	15.189	90.5	1481.0	9136.3	4.6
960.0	952.6	3.838	3.767	34.432	27.358	31.783	27.351	79.6	15.269	90.4	1481.1	9287.0	2.8
970.0	962.5	3.822	3.750	34.435	27.362	31.833	27.355	79.3	15.348	90.4	1481.2	9438.4	1.9
980.0	972.4	3.799	3.727	34.440	27.369	31.886	27.361	78.7	15.427	90.5	1481.3	9590.6	10.2
990.0	982.3	3.775	3.702	34.446	27.376	31.939	27.368	78.1	15.505	90.4	1481.4	9743.6	5.2

Station 24 Latitude 33° 05.62'N Longitude 128° 00.94'W 24 Aug 1989 GMT 11:36 Bottom 4500 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
1000.0	992.2	3.753	3.680	34.450	27.381	31.991	27.374	77.6	15.583	90.4	1481.5	9897.3	9.0
1020.0	1011.9	3.686	3.611	34.456	27.392	32.095	27.385	76.6	15.738	90.4	1481.5	10207.1	12.2
1040.0	1031.7	3.619	3.543	34.462	27.404	32.200	27.397	75.5	15.889	90.4	1481.6	10519.8	5.2
1060.0	1051.5	3.606	3.529	34.473	27.415	32.302	27.407	74.6	16.040	90.4	1481.9	10835.5	5.5
1080.0	1071.3	3.556	3.477	34.481	27.426	32.405	27.418	73.6	16.188	90.4	1482.0	11154.1	2.6
1100.0	1091.0	3.501	3.421	34.489	27.438	32.510	27.430	72.6	16.334	90.4	1482.1	11475.6	5.2
1120.0	1110.8	3.454	3.373	34.492	27.445	32.610	27.437	71.9	16.478	90.4	1482.2	11799.9	4.9
1140.0	1130.6	3.412	3.330	34.496	27.452	32.709	27.444	71.3	16.621	90.4	1482.4	12127.0	.0
1160.0	1150.3	3.379	3.295	34.500	27.459	32.808	27.451	70.7	16.763	90.4	1482.6	12456.9	1.4
1180.0	1170.1	3.343	3.258	34.504	27.465	32.907	27.457	70.2	16.904	90.4	1482.8	12789.6	5.3
1200.0	1189.8	3.303	3.217	34.509	27.473	33.007	27.465	69.5	17.044	90.4	1482.9	13125.0	5.3
1220.0	1209.6	3.264	3.176	34.513	27.480	33.106	27.472	68.9	17.182	90.4	1483.1	13463.2	2.4
1240.0	1229.4	3.226	3.137	34.517	27.487	33.204	27.478	68.3	17.319	90.4	1483.3	13804.0	4.4
1260.0	1249.1	3.189	3.099	34.520	27.493	33.303	27.485	67.7	17.455	90.4	1483.5	14147.4	4.4
1280.0	1268.9	3.131	3.040	34.526	27.503	33.406	27.494	66.8	17.590	90.4	1483.5	14493.6	2.7
1300.0	1288.6	3.088	2.996	34.530	27.510	33.505	27.502	66.1	17.722	90.4	1483.7	14842.3	2.7
1320.0	1308.4	3.062	2.968	34.531	27.513	33.600	27.505	65.9	17.854	90.4	1483.9	15193.6	1.5
1340.0	1328.1	3.012	2.918	34.535	27.521	33.701	27.513	65.1	17.985	90.4	1484.0	15547.4	4.5
1360.0	1347.9	2.984	2.887	34.538	27.527	33.798	27.518	64.7	18.115	90.4	1484.3	15903.8	2.7
1380.0	1367.6	2.953	2.856	34.541	27.532	33.895	27.523	64.2	18.244	90.3	1484.5	16262.8	2.1
1400.0	1387.3	2.930	2.831	34.544	27.536	33.991	27.527	63.9	18.372	90.4	1484.7	16624.2	3.6
1420.0	1407.1	2.898	2.798	34.547	27.542	34.089	27.533	63.3	18.500	90.4	1484.9	16988.1	2.2
1440.0	1426.8	2.868	2.766	34.550	27.547	34.186	27.538	62.9	18.626	90.4	1485.1	17354.4	1.9
1460.0	1446.6	2.831	2.729	34.555	27.554	34.285	27.545	62.2	18.751	90.4	1485.3	17723.3	5.7
1480.0	1466.3	2.794	2.690	34.556	27.559	34.382	27.550	61.8	18.875	90.4	1485.5	18094.5	4.2
1500.0	1486.0	2.773	2.667	34.562	27.565	34.480	27.556	61.3	18.998	90.3	1485.7	18468.1	2.2
1520.0	1505.7	2.734	2.628	34.566	27.572	34.579	27.562	60.6	19.120	90.4	1485.9	18844.1	3.4
1540.0	1525.5	2.717	2.609	34.567	27.574	34.673	27.565	60.4	19.241	90.4	1486.1	19222.5	2.8
1560.0	1545.2	2.690	2.581	34.569	27.578	34.768	27.569	60.1	19.361	90.4	1486.4	19603.2	3.4
1580.0	1564.9	2.671	2.561	34.572	27.583	34.864	27.573	59.8	19.481	90.4	1486.6	19986.3	2.0
1600.0	1584.6	2.645	2.533	34.574	27.586	34.960	27.577	59.4	19.601	90.3	1486.8	20371.7	.5
1620.0	1604.4	2.605	2.492	34.578	27.593	35.059	27.583	58.8	19.719	90.4	1487.0	20759.3	2.6
1640.0	1624.1	2.565	2.450	34.580	27.598	35.156	27.588	58.3	19.836	90.4	1487.2	21149.3	4.9
1660.0	1643.8	2.529	2.414	34.583	27.603	35.253	27.594	57.8	19.952	90.4	1487.4	21541.5	-.6
1680.0	1663.5	2.494	2.377	34.586	27.609	35.351	27.599	57.2	20.067	90.4	1487.5	21936.0	2.6
1700.0	1683.2	2.466	2.348	34.588	27.613	35.447	27.603	56.8	20.181	90.4	1487.8	22332.6	2.6
1720.0	1702.9	2.428	2.309	34.592	27.620	35.546	27.610	56.1	20.294	90.4	1487.9	22731.5	2.0
1740.0	1722.6	2.398	2.278	34.595	27.625	35.642	27.615	55.7	20.405	90.4	1488.1	23132.5	2.4
1760.0	1742.3	2.376	2.254	34.597	27.628	35.737	27.618	55.4	20.516	90.4	1488.4	23535.7	5.0
1780.0	1762.0	2.356	2.232	34.599	27.632	35.832	27.621	55.1	20.627	90.4	1488.6	23941.1	1.2
1800.0	1781.8	2.325	2.200	34.600	27.636	35.927	27.625	54.7	20.736	90.4	1488.8	24348.6	2.1
1820.0	1801.4	2.304	2.178	34.603	27.639	36.023	27.629	54.3	20.845	90.3	1489.1	24758.2	3.3
1840.0	1821.1	2.273	2.145	34.604	27.643	36.118	27.633	53.9	20.954	90.3	1489.3	25169.8	2.4
1860.0	1840.8	2.250	2.121	34.608	27.648	36.214	27.637	53.5	21.061	90.3	1489.5	25583.6	3.3
1880.0	1860.5	2.232	2.102	34.609	27.650	36.308	27.639	53.3	21.168	90.4	1489.8	25999.5	2.4
1900.0	1880.2	2.203	2.072	34.612	27.655	36.404	27.645	52.8	21.274	90.4	1490.0	26417.4	3.6
1920.0	1899.9	2.180	2.047	34.614	27.659	36.500	27.648	52.5	21.379	90.4	1490.2	26837.3	-1.0
1940.0	1919.6	2.164	2.030	34.615	27.661	36.593	27.650	52.3	21.484	90.4	1490.5	27259.3	2.2
1960.0	1939.3	2.144	2.008	34.617	27.664	36.687	27.654	52.0	21.588	90.4	1490.7	27683.3	1.3
1980.0	1959.0	2.123	1.986	34.619	27.668	36.782	27.657	51.7	21.692	90.4	1491.0	28109.2	.8
2000.0	1978.7	2.101	1.963	34.622	27.672	36.877	27.661	51.3	21.795	90.3	1491.2	28537.2	3.1
2050.0	2027.9	2.057	1.915	34.627	27.680	37.112	27.668	50.6	22.050	90.4	1491.9	29615.8	2.3
2100.0	2077.1	2.013	1.867	34.632	27.687	37.347	27.676	49.9	22.301	90.4	1492.5	30706.6	.9
2150.0	2126.2	1.980	1.831	34.635	27.693	37.579	27.681	49.5	22.550	90.4	1493.2	31809.4	1.5
2200.0	2175.4	1.948	1.795	34.638	27.698	37.811	27.686	49.0	22.796	90.4	1493.9	32924.1	-.2
2250.0	2224.5	1.912	1.755	34.642	27.704	38.043	27.692	48.5	23.040	90.3	1494.6	34050.6	1.6
2300.0	2273.7	1.876	1.716	34.645	27.709	38.274	27.697	48.0	23.281	90.4	1495.3	35188.8	2.2
2350.0	2322.8	1.842	1.678	34.648	27.714	38.506	27.702	47.6	23.520	90.3	1496.0	36338.4	1.9
2400.0	2371.9	1.816	1.647	34.651	27.719	38.736	27.706	47.2	23.757	90.3	1496.7	37499.5	.2
2450.0	2421.0	1.790	1.617	34.653	27.723	38.965	27.710	46.9	23.992	90.4	1497.5	38672.0	-.6
2500.0	2470.1	1.760	1.584	34.655	27.727	39.194	27.714	46.5	24.226	90.3	1498.2	39855.6	1.5
2550.0	2519.2	1.735	1.555	34.657	27.731	39.423	27.718	46.2	24.458	90.4	1498.9	41050.5	.6
2600.0	2568.3	1.712	1.528	34.658	27.734	39.650	27.720	46.0	24.688	90.4	1499.7	42256.4	.1
2650.0	2617.4	1.688	1.499	34.662	27.739	39.880	27.725	45.6	24.917	90.3	1500.4	43473.3	1.0
2700.0	2666.4	1.676	1.484	34.664	27.742	40.105	27.727	45.4	25.145	90.3	1501.2	44701.1	.5
2750.0	2715.4	1.661	1.464	34.666	27.744	40.332	27.730	45.3	25.372	90.3	1502.0	45939.7	-2.1
2800.0	2764.5	1.646	1.445	34.667	27.747	40.557	27.732	45.1	25.598	90.4	1502.8	47189.2	.3
2850.0	2813.5	1.632	1.427	34.669	27.750	40.783	27.735	45.0	25.823	90.3	1503.6	48449.4	.0
2900.0	2862.5	1.622	1.412	34.670	27.751	41.007	27.736	44.9	26.048	90.4	1504.4	49720.4	-.5
2950.0	2911.5	1.608	1.393	34.672	27.754	41.232	27.739	44.7	26.272	90.3	1505.2	51002.1	-.5
3000.0	2960.5	1.597	1.378	34.672	27.756	41.456	27.740	44.7	26.495	90.3	1506.0	52294.5	1.9
3016.0	2976.1	1.592	1.371	34.673	27.757	41.528	27.741	44.6	26.567	90.4	1506.2	52710.3	.0

Station 25 Latitude 33° 19.17'N Longitude 127° 52.71'W 24 Aug 1989 GMT 14:48 Bottom 4525 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.478	19.478	33.623	23.849	23.849	23.849	404.5	.000	90.1	1519.1	.0	.0
10.0	10.0	19.484	19.482	33.624	23.848	23.892	23.848	404.9	.405	90.2	1519.3	2.0	-3.8
20.0	19.9	19.485	19.481	33.624	23.848	23.935	23.847	405.2	.810	90.2	1519.4	8.1	4.9
30.0	29.9	19.488	19.482	33.625	23.849	23.979	23.847	405.6	1.215	90.2	1519.6	18.2	1.3
40.0	39.9	19.465	19.458	33.701	23.913	24.087	23.912	399.8	1.619	90.1	1519.8	32.3	140.9
50.0	49.8	19.414	19.405	33.755	23.967	24.184	23.965	395.0	2.015	90.3	1519.9	50.4	6.5
60.0	59.8	19.385	19.374	33.784	23.998	24.258	23.995	392.4	2.409	90.3	1520.0	72.5	14.7
70.0	69.8	18.022	18.010	33.819	24.367	24.671	24.364	357.6	2.792	90.1	1516.3	98.4	432.1
80.0	79.7	17.047	17.034	33.787	24.576	24.926	24.573	337.8	3.137	90.1	1513.5	128.0	74.7
90.0	89.7	16.192	16.178	33.783	24.772	25.166	24.768	319.4	3.466	90.3	1511.1	160.9	149.2
100.0	99.7	15.488	15.472	33.739	24.897	25.337	24.894	307.7	3.781	90.3	1509.0	196.9	158.2
110.0	109.6	14.720	14.703	33.684	25.022	25.508	25.019	295.9	4.082	90.3	1506.7	236.1	98.0
120.0	119.6	14.752	14.734	33.823	25.123	25.652	25.119	286.7	4.375	90.4	1507.1	278.2	183.8
130.0	129.5	14.485	14.466	33.894	25.235	25.809	25.231	276.2	4.656	90.6	1506.5	323.1	108.2
140.0	139.5	14.067	14.047	33.929	25.350	25.970	25.346	265.5	4.928	90.7	1505.3	370.8	113.5
150.0	149.4	13.479	13.458	33.873	25.428	26.094	25.424	258.2	5.190	90.9	1503.5	421.2	43.9
160.0	159.4	12.842	12.820	33.817	25.513	26.224	25.508	250.3	5.445	91.0	1501.5	474.1	85.4
170.0	169.3	12.022	12.000	33.788	25.649	26.407	25.644	237.4	5.689	91.0	1498.8	529.4	85.8
180.0	179.3	11.235	11.212	33.741	25.758	26.564	25.754	227.0	5.921	91.1	1496.1	587.2	108.5
190.0	189.2	10.502	10.479	33.781	25.919	26.773	25.915	211.7	6.141	91.1	1493.7	647.2	129.8
200.0	199.1	9.959	9.936	33.808	26.032	26.933	26.028	201.0	6.347	91.1	1492.0	709.2	51.2
210.0	209.1	9.671	9.648	33.840	26.105	27.052	26.101	194.1	6.545	91.1	1491.1	773.3	70.8
220.0	219.0	9.446	9.422	33.889	26.181	27.174	26.177	187.1	6.736	91.1	1490.5	839.3	83.9
230.0	228.9	9.176	9.151	33.907	26.238	27.278	26.235	181.7	6.919	91.1	1489.7	907.2	33.5
240.0	238.9	8.963	8.938	33.944	26.302	27.387	26.298	175.8	7.098	91.1	1489.1	976.8	68.3
250.0	248.8	8.864	8.837	33.953	26.324	27.455	26.320	173.8	7.273	91.1	1488.9	1048.2	47.5
260.0	258.8	8.686	8.659	33.979	26.372	27.550	26.368	169.3	7.444	91.1	1488.4	1121.3	43.7
270.0	268.7	8.537	8.509	33.994	26.408	27.632	26.403	166.1	7.612	91.1	1488.1	1196.1	22.6
280.0	278.6	8.383	8.354	33.993	26.430	27.700	26.426	164.1	7.777	91.1	1487.6	1272.5	21.4
290.0	288.6	8.177	8.147	33.998	26.466	27.782	26.461	160.8	7.939	91.0	1487.0	1350.6	1.7
300.0	298.5	8.013	7.983	33.999	26.491	27.853	26.486	158.5	8.099	91.0	1486.6	1430.2	23.9
310.0	308.4	7.851	7.820	34.000	26.515	27.924	26.510	156.3	8.257	91.0	1486.1	1511.4	23.3
320.0	318.4	7.596	7.565	33.995	26.548	28.004	26.543	153.1	8.411	91.0	1485.3	1594.2	32.4
330.0	328.3	7.443	7.411	33.993	26.569	28.071	26.564	151.2	8.564	90.9	1484.8	1678.5	31.4
340.0	338.2	7.274	7.241	33.987	26.588	28.138	26.583	149.5	8.714	90.9	1484.3	1764.2	19.7
350.0	348.1	7.100	7.068	33.984	26.610	28.206	26.605	147.4	8.863	90.9	1483.8	1851.5	6.5
360.0	358.1	6.913	6.880	33.991	26.640	28.284	26.636	144.5	9.009	90.9	1483.2	1940.2	49.2
370.0	368.0	6.762	6.728	33.994	26.663	28.354	26.659	142.4	9.153	90.9	1482.8	2030.3	22.5
380.0	377.9	6.647	6.612	33.992	26.678	28.415	26.673	141.1	9.294	90.8	1482.5	2121.9	11.1
390.0	387.8	6.487	6.452	34.000	26.704	28.488	26.700	138.6	9.434	90.8	1482.1	2214.8	18.1
400.0	397.8	6.304	6.269	34.002	26.730	28.561	26.725	136.1	9.572	90.8	1481.5	2309.2	18.7
410.0	407.7	6.189	6.153	34.003	26.745	28.624	26.741	134.7	9.707	90.7	1481.2	2404.8	14.5
420.0	417.6	6.033	5.997	34.000	26.763	28.688	26.758	133.0	9.841	90.7	1480.7	2501.8	20.7
430.0	427.5	5.923	5.887	34.002	26.778	28.750	26.774	131.6	9.973	90.7	1480.5	2600.1	18.3
440.0	437.5	5.781	5.744	34.005	26.798	28.818	26.794	129.7	10.103	90.7	1480.1	2699.7	15.4
450.0	447.4	5.720	5.682	34.015	26.814	28.879	26.809	128.3	10.232	90.7	1480.0	2800.6	21.8
460.0	457.3	5.619	5.580	34.019	26.830	28.942	26.825	126.8	10.360	90.6	1479.7	2902.7	21.5
470.0	467.2	5.494	5.455	34.019	26.845	29.004	26.840	125.4	10.486	90.7	1479.4	3006.1	8.0
480.0	477.1	5.451	5.412	34.040	26.867	29.072	26.862	123.4	10.610	90.7	1479.4	3110.7	22.6
490.0	487.0	5.299	5.259	34.045	26.889	29.142	26.884	121.3	10.732	90.8	1479.0	3216.6	9.4
500.0	497.0	5.226	5.185	34.047	26.899	29.198	26.894	120.4	10.853	90.7	1478.8	3323.6	13.5
510.0	506.9	5.155	5.114	34.052	26.911	29.257	26.906	119.3	10.973	90.7	1478.7	3431.8	20.8
520.0	516.8	5.095	5.054	34.061	26.925	29.318	26.920	118.0	11.092	90.7	1478.6	3541.3	19.4
530.0	526.7	5.020	4.978	34.067	26.938	29.378	26.933	116.7	11.209	90.7	1478.5	3651.8	10.6
540.0	536.6	4.955	4.912	34.075	26.952	29.439	26.948	115.4	11.325	90.7	1478.4	3763.5	13.2
550.0	546.5	4.886	4.843	34.085	26.968	29.501	26.963	114.0	11.440	90.7	1478.3	3876.4	14.7
560.0	556.5	4.831	4.787	34.095	26.982	29.562	26.978	112.6	11.553	90.7	1478.3	3990.4	19.6
570.0	566.4	4.769	4.725	34.102	26.995	29.622	26.990	111.5	11.665	90.7	1478.2	4105.5	5.6
580.0	576.3	4.726	4.681	34.112	27.008	29.681	27.003	110.3	11.776	90.8	1478.2	4221.6	10.3
590.0	586.2	4.802	4.756	34.139	27.020	29.737	27.015	109.4	11.886	90.8	1478.7	4338.9	1.5
600.0	596.1	5.112	5.063	34.207	27.039	29.797	27.033	108.2	11.994	90.8	1480.2	4457.3	9.2
610.0	606.0	5.112	5.063	34.230	27.057	29.861	27.052	106.6	12.102	90.8	1480.4	4576.7	15.1
620.0	615.9	5.090	5.040	34.240	27.068	29.917	27.062	105.7	12.208	90.8	1480.5	4697.2	12.2
630.0	625.8	5.039	4.988	34.245	27.078	29.974	27.072	104.8	12.313	90.7	1480.5	4818.7	12.4
640.0	635.8	4.962	4.911	34.246	27.088	30.031	27.082	103.8	12.418	90.7	1480.3	4941.2	11.3
650.0	645.7	4.890	4.839	34.253	27.102	30.092	27.096	102.5	12.521	90.7	1480.2	5064.8	14.5
660.0	655.6	4.827	4.775	34.258	27.113	30.149	27.107	101.5	12.623	90.7	1480.1	5189.3	7.7
670.0	665.5	4.692	4.639	34.253	27.124	30.208	27.118	100.4	12.724	90.8	1479.7	5314.9	8.3
680.0	675.4	4.642	4.589	34.257	27.133	30.263	27.127	99.6	12.824	90.8	1479.7	5441.4	6.0
690.0	685.3	4.654	4.600	34.277	27.147	30.323	27.141	98.4	12.923	90.8	1479.9	5569.0	10.7
700.0	695.2	4.574	4.520	34.279	27.157	30.381	27.151	97.4	13.021	90.7	1479.7	5697.5	9.8
710.0	705.1	4.592	4.537	34.296	27.169	30.438	27.163	96.4	13.118	90.8	1480.0	5826.9	4.2
720.0	715.0	4.493	4.437	34.295	27.179	30.495	27.173	95.4	13.214	90.7	1479.7	5957.3	13.3
730.0	724.9	4.455	4.399	34.300	27.187	30.550	27.181	94.7	13.309	90.8	1479.8	6088.7	7.1
740.0	734.8	4.414	4.357	34.314	27.203	30.612	27.197	93.2	13.402	90.7	1479.8	6221.0	8.6
750.0	744.7	4.417	4.359	34.330	27.216	30.670	27.209	92.1	13.495	90.8	1480.0	6354.1	11.5
760.0	754.6	4.409	4.351	34.341	27.225	30.725	27.219	91.4	13.587	90.8	1480.1	6488.2	4.5
770.0	764.5	4.411	4.351	34.350	27.232	30.778	27.226	90.8	13.678	90.8	1480.3	6623.2	9.2
780.0	774.4	4.395	4.335	34.356	27.239	30.831	27.232	90.2	13.769	90.8	1480.4	6759.1	1.0
790.0	784.3	4.325	4.265	34.359	27.248	30.887	27.242	89.3	13.859	90.8	1480.3	6895.9	8.3
800.0	794.2	4.306	4.245	34.364	27.254	30.940	27.248	88.8	13.948	90.7	1480.4	7033.5	11.3
810.0	804.1	4.270	4.209	34.374	27.266	30.997	27.260	87.7	14.036	90.9	1480.4	7172.0	6.3
820.0	814.0	4.241	4.179	34.377	27.272	31.049	27.265	87.3	14.123	90.7	1480.4	7311.4	7.5
830.0	823.9	4.215	4.152	34.383	27.280	31.103	27.273	86.6	14.210	90.8	1480.5	7451.7	6.9
840.0	833.8	4.188	4.124	34.386	27.285	31.154	27.278	86.2	14.296	90.8	1480.6	7592.7	8.9
850.0	843.7	4.166	4.102	34.393	27.293	31.209	27.286	85.4	14.382	90.7	1480.7	7734.7	9.8
860.0	853.6	4.126	4.061	34.398	27.301	31.263	27.294	84.7	14.467	90.7	1480.7	7877.4	12.2
870.0	863.5	4.111	4.045	34.403	27.307	31.315	27.300	84.2	14.552	90.7	1480.8	8021.0	4.3
880.0	873.4	4.085	4.019	34.408	27.313	31.368	27.306	83.6	14.635	90.8	1480.8	8165.4	8.1
890.0	883.3	4.051	3.984	34.413	27.321	31.422	27.314	82.9	14.719	90.7	1480.9	8310.7	7.2
900.0	893.2	4.029	3.962	34.418	27.327	31.474	27.320	82.4	14.802	90.8	1480.9	8456.7	1.9
910.0	903.1	4.008	3.940	34.422	27.332	31.525	27.325	82.0	14.884	90.8	1481.0	8603.6	11.9
920.0	913.0	3.980	3.911	34.425	27.338	31.578	27.331	81.4	14.965	90.7	1481.1	8751.3	9.3
930.0	922.9	3.923	3.853	34.426	27.344	31.631	27.338	80.8	15.047	90.8	1481.0	8899.7	7.2
940.0	932.8	3.898	3.828	34.431	27.351	31.684	27.344	80.3	15.127	90.7	1481.1	9049.0	7.8
950.0	942.7	3.884	3.813	34.432	27.354	31.732	27.347	80.0	15.207	90.7	1481.2	9199.0	2.5
960.0	952.6	3.858	3.787	34.434	27.358	31.783	27.351	79.7	15.287	90.8	1481.2	9349.9	3.7
970.0	962.5	3.828	3.756	34.439	27.365	31.836	27.357	79.1	15.367	90.8	1481.3	9501.5	7.8
980.0	972.3	3.796	3.724	34.440	27.369	31.887	27.362	78.7	15.445	90.7	1481.3	9653.8	2.5
990.0	982.2	3.775	3.701	34.445	27.375	31.939	27.368	78.1	15.524	90.8	1481.4	9807.0	8.7

Station 25 Latitude 33° 19.17'N Longitude 127° 52.71'W 24 Aug 1989 GMT 14:48 Bottom 4525 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.1	3.747	3.673	34.450	27.382	31.992	27.375	77.5	15.602	90.8	1481.4	9960.9	5.2
1020.0	1011.9	3.697	3.622	34.458	27.393	32.096	27.386	76.5	15.756	90.8	1481.6	10271.0	4.0
1040.0	1031.7	3.650	3.574	34.466	27.404	32.199	27.397	75.5	15.908	90.8	1481.7	10584.1	6.4
1060.0	1051.5	3.614	3.536	34.472	27.413	32.300	27.405	74.8	16.058	90.8	1481.9	10900.2	2.6
1080.0	1071.2	3.569	3.490	34.478	27.422	32.401	27.415	74.0	16.207	90.8	1482.0	11219.1	2.3
1100.0	1091.0	3.527	3.447	34.485	27.432	32.503	27.424	73.2	16.354	90.7	1482.2	11541.0	3.5
1120.0	1110.8	3.477	3.396	34.490	27.440	32.604	27.433	72.4	16.500	90.7	1482.3	11865.8	5.8
1140.0	1130.5	3.427	3.345	34.497	27.451	32.708	27.444	71.4	16.644	90.7	1482.5	12193.3	5.2
1160.0	1150.3	3.377	3.293	34.503	27.461	32.810	27.453	70.5	16.785	90.8	1482.6	12523.7	5.3
1180.0	1170.1	3.329	3.244	34.507	27.469	32.911	27.461	69.7	16.926	90.7	1482.7	12856.8	2.3
1200.0	1189.8	3.294	3.207	34.511	27.476	33.009	27.467	69.2	17.065	90.7	1482.9	13192.6	2.9
1220.0	1209.6	3.245	3.157	34.514	27.483	33.109	27.475	68.5	17.202	90.7	1483.0	13531.1	4.1
1240.0	1229.3	3.205	3.116	34.518	27.490	33.208	27.481	67.9	17.339	90.7	1483.2	13872.3	3.8
1260.0	1249.1	3.164	3.074	34.521	27.496	33.307	27.488	67.3	17.474	90.8	1483.4	14216.2	5.6
1280.0	1268.8	3.128	3.036	34.525	27.503	33.405	27.494	66.8	17.608	90.7	1483.5	14562.7	2.1
1300.0	1288.6	3.100	3.007	34.527	27.507	33.502	27.499	66.4	17.742	90.7	1483.7	14911.7	5.6
1320.0	1308.3	3.057	2.964	34.532	27.515	33.602	27.506	65.7	17.874	90.7	1483.9	15263.4	2.7
1340.0	1328.1	3.020	2.925	34.536	27.522	33.701	27.513	65.1	18.004	90.7	1484.1	15617.6	3.0
1360.0	1347.8	2.990	2.894	34.541	27.529	33.800	27.520	64.5	18.134	90.7	1484.3	15974.4	10.0
1380.0	1367.6	2.946	2.849	34.545	27.535	33.899	27.527	63.9	18.262	90.6	1484.4	16333.7	4.8
1400.0	1387.3	2.909	2.810	34.550	27.543	33.999	27.534	63.2	18.390	90.7	1484.6	16695.4	4.8
1420.0	1407.1	2.868	2.768	34.553	27.549	34.097	27.540	62.6	18.515	90.7	1484.8	17059.7	1.3
1440.0	1426.8	2.834	2.733	34.555	27.554	34.194	27.545	62.1	18.640	90.7	1485.0	17426.3	1.6
1460.0	1446.5	2.790	2.688	34.559	27.561	34.294	27.552	61.4	18.764	90.7	1485.1	17795.4	5.7
1480.0	1466.3	2.741	2.637	34.562	27.568	34.393	27.559	60.8	18.886	90.7	1485.2	18166.8	4.8
1500.0	1486.0	2.706	2.602	34.563	27.572	34.489	27.563	60.4	19.007	90.7	1485.4	18540.7	1.0
1520.0	1505.7	2.665	2.559	34.568	27.580	34.590	27.570	59.6	19.127	90.7	1485.6	18916.8	5.4
1540.0	1525.4	2.634	2.527	34.570	27.584	34.686	27.575	59.2	19.246	90.7	1485.8	19295.3	3.1
1560.0	1545.2	2.598	2.490	34.573	27.590	34.783	27.580	58.7	19.364	90.7	1486.0	19676.1	5.5
1580.0	1564.9	2.559	2.449	34.577	27.596	34.882	27.587	58.1	19.481	90.7	1486.1	20059.2	1.9
1600.0	1584.6	2.537	2.426	34.578	27.599	34.976	27.589	57.9	19.597	90.8	1486.4	20444.5	2.8
1620.0	1604.3	2.506	2.394	34.580	27.603	35.073	27.594	57.4	19.712	90.7	1486.6	20832.1	3.7
1640.0	1624.0	2.475	2.362	34.583	27.608	35.170	27.599	57.0	19.826	90.7	1486.8	21221.8	5.5
1660.0	1643.8	2.448	2.334	34.586	27.613	35.266	27.603	56.6	19.940	90.6	1487.0	21613.8	2.6
1680.0	1663.5	2.428	2.312	34.588	27.616	35.361	27.607	56.2	20.053	90.7	1487.3	22008.0	2.3
1700.0	1683.2	2.409	2.292	34.591	27.620	35.456	27.611	55.9	20.165	90.6	1487.5	22404.4	3.2
1720.0	1702.9	2.376	2.257	34.593	27.625	35.553	27.615	55.5	20.276	90.7	1487.7	22802.9	1.7
1740.0	1722.6	2.338	2.218	34.594	27.629	35.649	27.619	55.0	20.387	90.7	1487.9	23203.6	1.2
1760.0	1742.3	2.317	2.195	34.598	27.634	35.746	27.624	54.6	20.496	90.7	1488.1	23606.4	3.2
1780.0	1762.0	2.285	2.163	34.599	27.638	35.841	27.628	54.2	20.605	90.6	1488.3	24011.3	2.1
1800.0	1781.7	2.259	2.135	34.602	27.642	35.938	27.632	53.7	20.713	90.7	1488.5	24418.3	3.6
1820.0	1801.4	2.236	2.110	34.605	27.646	36.033	27.636	53.4	20.820	90.7	1488.8	24827.4	.9
1840.0	1821.1	2.217	2.091	34.608	27.651	36.128	27.640	53.0	20.926	90.7	1489.0	25238.6	2.1
1860.0	1840.8	2.199	2.071	34.611	27.654	36.223	27.644	52.7	21.032	90.6	1489.3	25651.8	5.4
1880.0	1860.5	2.161	2.032	34.611	27.658	36.319	27.648	52.3	21.137	90.6	1489.5	26067.0	1.3
1900.0	1880.2	2.148	2.018	34.615	27.662	36.414	27.651	52.0	21.241	90.7	1489.8	26484.3	3.6
1920.0	1899.9	2.120	1.988	34.616	27.665	36.509	27.655	51.6	21.345	90.7	1490.0	26903.6	2.8
1940.0	1919.6	2.091	1.958	34.616	27.667	36.603	27.657	51.4	21.448	90.7	1490.2	27324.8	1.9
1960.0	1939.3	2.089	1.954	34.621	27.672	36.698	27.662	51.0	21.550	90.7	1490.5	27748.0	1.9
1980.0	1958.9	2.053	1.917	34.619	27.673	36.791	27.662	50.8	21.652	90.6	1490.7	28173.3	.5
2000.0	1978.6	2.040	1.902	34.621	27.676	36.884	27.665	50.6	21.754	90.6	1491.0	28600.4	3.4
2050.0	2027.8	2.001	1.860	34.627	27.684	37.119	27.673	49.9	22.005	90.7	1491.6	29676.9	3.7
2100.0	2077.0	1.952	1.808	34.630	27.691	37.354	27.679	49.3	22.253	90.6	1492.3	30765.3	4.1
2150.0	2126.2	1.923	1.775	34.634	27.696	37.586	27.685	48.8	22.498	90.6	1493.0	31865.7	2.6
2200.0	2175.3	1.896	1.744	34.637	27.701	37.817	27.689	48.5	22.742	90.7	1493.7	32977.8	1.5
2250.0	2224.5	1.865	1.709	34.640	27.706	38.048	27.694	48.1	22.983	90.6	1494.4	34101.5	.1
2300.0	2273.6	1.844	1.684	34.646	27.712	38.280	27.700	47.5	23.222	90.6	1495.2	35236.8	1.0
2350.0	2322.8	1.822	1.658	34.648	27.717	38.509	27.704	47.2	23.459	90.6	1495.9	36383.5	1.9
2400.0	2371.9	1.794	1.626	34.650	27.720	38.739	27.708	46.9	23.694	90.5	1496.7	37541.6	.8
2450.0	2421.0	1.774	1.602	34.652	27.723	38.966	27.710	46.8	23.929	90.6	1497.4	38710.9	1.1
2500.0	2470.1	1.748	1.572	34.655	27.728	39.196	27.715	46.4	24.161	90.6	1498.1	39891.4	2.1
2550.0	2519.2	1.725	1.545	34.657	27.732	39.425	27.719	46.1	24.393	90.7	1498.9	41083.0	.6
2600.0	2568.2	1.705	1.521	34.659	27.735	39.652	27.722	45.8	24.622	90.6	1499.7	42285.6	1.6
2650.0	2617.3	1.687	1.499	34.662	27.739	39.880	27.725	45.6	24.851	90.6	1500.4	43499.2	.7
2700.0	2666.4	1.670	1.477	34.664	27.742	40.106	27.728	45.4	25.078	90.7	1501.2	44723.7	-1.9
2750.0	2715.4	1.656	1.459	34.666	27.745	40.332	27.730	45.2	25.305	90.6	1502.0	45959.1	1.7
2800.0	2764.4	1.646	1.445	34.667	27.747	40.557	27.732	45.1	25.531	90.6	1502.8	47205.3	-.3
2850.0	2813.4	1.633	1.427	34.668	27.749	40.782	27.734	45.0	25.756	90.6	1503.6	48462.2	1.5
2900.0	2862.4	1.619	1.409	34.670	27.752	41.008	27.737	44.8	25.981	90.6	1504.4	49729.9	1.2
2950.0	2911.4	1.603	1.388	34.672	27.755	41.233	27.739	44.7	26.205	90.6	1505.1	51008.3	.7
3000.0	2960.4	1.591	1.372	34.674	27.757	41.458	27.742	44.5	26.427	90.6	1505.9	52297.4	.2
3050.0	3009.4	1.579	1.355	34.675	27.760	41.681	27.743	44.4	26.650	90.6	1506.7	53597.0	.5
3100.0	3058.4	1.566	1.338	34.676	27.762	41.905	27.745	44.3	26.872	90.6	1507.5	54907.3	2.0
3104.0	3062.3	1.567	1.338	34.675	27.761	41.922	27.744	44.4	26.890	90.6	1507.6	55012.5	.0

Station 26 Latitude 33° 12.06'N Longitude 127° 36.60'W 24 Aug 1989 GMT 18:17 Bottom 4500 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.311	19.311	33.550	23.836	23.836	23.836	405.7	.000	90.3	1518.5	.0	.0
10.0	10.0	19.301	19.299	33.551	23.839	23.882	23.839	405.8	.406	90.3	1518.7	2.0	3.6
20.0	19.9	19.303	19.300	33.570	23.854	23.940	23.853	404.8	.811	90.3	1518.8	8.1	23.7
30.0	29.9	19.356	19.351	33.661	23.910	24.040	23.909	399.7	1.214	90.3	1519.3	18.2	67.1
40.0	39.9	19.361	19.353	33.685	23.928	24.101	23.926	398.4	1.613	90.3	1519.5	32.3	28.1
50.0	49.8	19.297	19.288	33.722	23.972	24.189	23.970	394.5	2.009	90.2	1519.5	50.3	29.9
60.0	59.8	18.710	18.700	33.749	24.142	24.403	24.140	378.6	2.399	90.1	1518.0	72.3	416.1
70.0	69.8	16.250	16.239	33.572	24.596	24.903	24.593	335.5	2.753	90.2	1510.7	98.0	269.0
80.0	79.7	15.598	15.586	33.567	24.739	25.091	24.736	322.1	3.081	90.3	1508.8	127.1	106.3
90.0	89.7	15.222	15.208	33.590	24.840	25.237	24.837	312.7	3.398	90.6	1507.8	159.3	70.5
100.0	99.7	14.927	14.912	33.604	24.915	25.356	24.912	305.8	3.709	90.5	1507.1	194.7	90.7
110.0	109.6	14.188	14.173	33.565	25.043	25.529	25.039	293.9	4.010	90.6	1504.8	233.2	114.9
120.0	119.6	13.807	13.790	33.579	25.133	25.665	25.129	285.5	4.299	90.5	1503.7	274.5	111.9
130.0	129.5	13.157	13.139	33.543	25.237	25.815	25.234	275.7	4.580	90.7	1501.7	318.7	72.5
140.0	139.5	12.666	12.647	33.505	25.304	25.928	25.301	269.5	4.853	90.7	1500.1	365.6	136.9
150.0	149.4	12.190	12.170	33.493	25.387	26.057	25.384	261.7	5.119	90.8	1498.7	415.3	119.5
160.0	159.4	11.345	11.325	33.496	25.546	26.264	25.543	246.6	5.374	91.0	1495.9	467.5	132.2
170.0	169.3	10.850	10.829	33.550	25.677	26.440	25.674	234.3	5.615	91.0	1494.4	522.1	184.0
180.0	179.3	10.387	10.366	33.593	25.791	26.601	25.788	223.5	5.842	91.1	1492.9	579.1	106.9
190.0	189.2	9.986	9.964	33.650	25.904	26.760	25.901	212.9	6.060	91.1	1491.7	638.3	129.7
200.0	199.1	9.581	9.559	33.710	26.019	26.922	26.015	202.0	6.266	91.1	1490.4	699.5	61.6
210.0	209.1	9.281	9.258	33.765	26.110	27.060	26.107	193.4	6.464	91.1	1489.6	762.8	104.6
220.0	219.0	9.040	9.016	33.815	26.188	27.183	26.184	186.2	6.655	91.1	1488.9	828.0	92.0
230.0	228.9	8.836	8.811	33.862	26.257	27.299	26.253	179.7	6.838	91.1	1488.4	895.1	93.7
240.0	238.9	8.628	8.603	33.906	26.324	27.412	26.320	173.5	7.014	91.0	1487.8	963.9	65.6
250.0	248.8	8.408	8.382	33.934	26.380	27.514	26.376	168.3	7.185	91.0	1487.2	1034.4	45.6
260.0	258.8	8.293	8.266	33.952	26.412	27.592	26.408	165.4	7.352	91.1	1486.9	1106.6	11.1
270.0	268.7	8.295	8.268	33.971	26.426	27.651	26.421	164.3	7.517	91.0	1487.1	1180.5	14.3
280.0	278.6	8.092	8.064	33.981	26.465	27.736	26.460	160.7	7.679	91.0	1486.5	1256.0	* 36.8
290.0	288.5	7.866	7.837	33.987	26.503	27.822	26.499	157.1	7.838	91.0	1485.8	1333.0	33.0
300.0	298.5	7.732	7.702	33.987	26.522	27.887	26.518	155.3	7.994	91.0	1485.5	1411.6	16.8
310.0	308.4	7.658	7.628	33.992	26.537	27.947	26.532	154.1	8.149	90.9	1485.3	1491.8	13.6
320.0	318.3	7.517	7.486	33.996	26.560	28.017	26.556	151.9	8.302	90.9	1485.0	1573.5	35.8
330.0	328.3	7.368	7.336	34.004	26.587	28.091	26.583	149.4	8.453	90.9	1484.6	1656.7	12.7
340.0	338.2	7.219	7.187	34.002	26.607	28.157	26.603	147.6	8.601	90.9	1484.1	1741.3	40.2
350.0	348.1	7.068	7.035	34.000	26.627	28.223	26.622	145.8	8.748	90.8	1483.7	1827.4	22.0
360.0	358.0	6.835	6.802	33.993	26.652	28.296	26.648	143.3	8.892	90.8	1482.9	1915.0	12.0
370.0	368.0	6.680	6.647	33.995	26.675	28.367	26.671	141.2	9.035	90.9	1482.5	2004.0	39.8
380.0	377.9	6.555	6.521	33.998	26.694	28.432	26.690	139.5	9.175	90.8	1482.2	2094.3	19.0
390.0	387.8	6.464	6.429	33.996	26.705	28.489	26.700	138.5	9.314	90.8	1482.0	2186.1	15.5
400.0	397.8	6.338	6.303	33.997	26.721	28.552	26.717	137.0	9.451	90.8	1481.6	2279.2	14.0
410.0	407.7	6.204	6.168	34.002	26.743	28.621	26.739	134.9	9.587	90.8	1481.3	2373.7	24.5
420.0	417.6	6.069	6.032	34.007	26.764	28.689	26.760	132.9	9.722	90.8	1480.9	2469.5	24.2
430.0	427.5	6.067	6.029	34.026	26.779	28.750	26.774	131.7	9.854	90.7	1481.1	2566.6	14.2
440.0	437.5	5.920	5.882	34.022	26.795	28.812	26.790	130.2	9.985	90.7	1480.6	2665.0	17.1
450.0	447.4	5.884	5.845	34.034	26.809	28.872	26.804	129.0	10.114	90.6	1480.7	2764.7	12.5
460.0	457.3	5.793	5.754	34.051	26.834	28.944	26.829	126.6	10.242	90.6	1480.5	2865.7	15.4
470.0	467.2	5.740	5.700	34.061	26.848	29.004	26.843	125.4	10.368	90.6	1480.4	2967.9	12.7
480.0	477.1	5.652	5.612	34.071	26.867	29.070	26.862	123.6	10.493	90.6	1480.3	3071.4	15.4
490.0	487.0	5.577	5.536	34.076	26.880	29.130	26.875	122.4	10.616	90.6	1480.1	3176.1	24.4
500.0	497.0	5.543	5.501	34.094	26.898	29.194	26.893	120.8	10.737	90.6	1480.2	3282.0	13.3
510.0	506.9	5.502	5.460	34.116	26.920	29.263	26.916	118.7	10.857	90.6	1480.2	3389.0	22.4
520.0	516.8	5.384	5.341	34.116	26.934	29.323	26.929	117.4	10.975	90.7	1479.9	3497.3	14.8
530.0	526.7	5.365	5.322	34.133	26.951	29.386	26.945	116.0	11.092	90.7	1480.0	3606.7	11.8
540.0	536.6	5.278	5.234	34.137	26.964	29.446	26.958	114.8	11.207	90.7	1479.8	3717.3	21.2
550.0	546.5	5.163	5.119	34.144	26.983	29.512	26.978	112.9	11.321	90.7	1479.5	3828.9	13.0
560.0	556.5	5.084	5.039	34.146	26.993	29.570	26.989	111.9	11.433	90.7	1479.4	3941.7	3.0
570.0	566.4	5.018	4.973	34.153	27.007	29.630	27.002	110.7	11.544	90.7	1479.3	4055.6	8.0
580.0	576.3	5.004	4.957	34.164	27.017	29.685	27.012	109.9	11.655	90.8	1479.4	4170.6	17.1
590.0	586.2	4.937	4.890	34.174	27.033	29.748	27.027	108.4	11.764	90.7	1479.3	4286.7	10.9
600.0	596.1	4.864	4.816	34.179	27.045	29.807	27.040	107.2	11.872	90.8	1479.2	4403.8	13.5
610.0	606.0	4.801	4.754	34.188	27.060	29.868	27.054	105.9	11.978	90.8	1479.1	4522.0	9.7
620.0	615.9	4.751	4.702	34.202	27.076	29.931	27.071	104.4	12.083	90.7	1479.0	4641.2	10.0
630.0	625.8	4.689	4.640	34.208	27.088	29.990	27.083	103.3	12.187	90.7	1479.0	4761.5	12.7
640.0	635.8	4.646	4.596	34.217	27.101	30.048	27.095	102.2	12.290	90.8	1479.0	4882.8	17.6
650.0	645.7	4.601	4.551	34.227	27.113	30.107	27.107	101.0	12.391	90.7	1479.0	5005.1	13.2
660.0	655.6	4.562	4.511	34.238	27.126	30.167	27.121	99.9	12.492	90.8	1479.0	5128.3	6.5
670.0	665.5	4.536	4.485	34.245	27.134	30.221	27.128	99.2	12.591	90.8	1479.0	5252.6	14.1
680.0	675.4	4.500	4.448	34.252	27.144	30.278	27.138	98.3	12.690	90.8	1479.1	5377.8	8.0
690.0	685.3	4.490	4.437	34.261	27.152	30.331	27.146	97.6	12.788	90.8	1479.2	5504.0	3.0
700.0	695.2	4.467	4.414	34.270	27.162	30.387	27.156	96.7	12.885	90.7	1479.3	5631.2	11.5
710.0	705.1	4.439	4.385	34.277	27.170	30.442	27.164	96.0	12.981	90.9	1479.3	5759.3	12.4
720.0	715.0	4.412	4.357	34.286	27.181	30.498	27.175	95.1	13.077	90.8	1479.4	5888.4	5.1
730.0	724.9	4.382	4.326	34.295	27.191	30.555	27.185	94.2	13.172	90.7	1479.4	6018.3	14.4
740.0	734.8	4.360	4.303	34.302	27.199	30.609	27.193	93.5	13.265	90.8	1479.5	6149.3	9.5
750.0	744.7	4.328	4.271	34.312	27.211	30.667	27.205	92.4	13.358	90.7	1479.6	6281.1	13.6
760.0	754.6	4.281	4.224	34.316	27.219	30.722	27.213	91.7	13.451	90.7	1479.5	6413.8	10.9
770.0	764.5	4.239	4.181	34.323	27.229	30.778	27.222	90.8	13.542	90.8	1479.5	6547.5	3.9
780.0	774.4	4.223	4.164	34.328	27.235	30.830	27.229	90.3	13.632	90.8	1479.6	6682.0	10.6
790.0	784.3	4.245	4.186	34.342	27.243	30.884	27.237	89.6	13.722	90.7	1479.9	6817.4	10.4
800.0	794.2	4.221	4.161	34.349	27.251	30.938	27.245	88.9	13.812	90.7	1480.0	6953.7	6.9
810.0	804.1	4.206	4.145	34.355	27.258	30.991	27.252	88.3	13.900	90.7	1480.1	7090.9	7.4
820.0	814.0	4.200	4.138	34.362	27.264	31.043	27.258	87.9	13.988	90.7	1480.3	7228.9	10.4
830.0	823.9	4.166	4.103	34.372	27.276	31.101	27.269	86.8	14.076	90.7	1480.3	7367.9	8.9
840.0	833.8	4.141	4.077	34.379	27.284	31.155	27.278	86.1	14.162	90.7	1480.4	7507.6	8.3
850.0	843.7	4.104	4.040	34.382	27.290	31.208	27.284	85.5	14.248	90.8	1480.4	7648.2	2.5
860.0	853.6	4.067	4.003	34.386	27.297	31.261	27.291	84.9	14.333	90.7	1480.4	7789.6	6.3
870.0	863.5	4.047	3.982	34.390	27.303	31.313	27.296	84.4	14.418	90.7	1480.5	7931.9	8.6
880.0	873.4	4.041	3.974	34.400	27.311	31.367	27.304	83.7	14.502	90.7	1480.6	8075.0	12.8
890.0	883.3	3.999	3.932	34.402	27.317	31.419	27.310	83.2	14.585	90.8	1480.6	8218.9	8.4
900.0	893.2	3.976	3.909	34.409	27.325	31.473	27.318	82.5	14.668	90.8	1480.7	8363.7	7.5
910.0	903.1	3.920	3.852	34.413	27.334	31.529	27.327	81.6	14.750	90.7	1480.6	8509.2	8.9
920.0	913.0	3.895	3.827	34.419	27.342	31.583	27.334	80.9	14.831	90.7	1480.7	8655.6	2.2
930.0	922.9	3.871	3.802	34.423	27.347	31.635	27.340	80.4	14.912	90.7	1480.8	8802.7	9.8
940.0	932.8	3.818	3.748	34.426	27.355	31.690	27.348	79.7	14.992	90.7	1480.7	8950.6	6.0
950.0	942.7	3.788	3.718	34.431	27.362	31.743	27.355	79.0	15.072	90.7	1480.8	9099.3	7.2
960.0	952.6	3.765	3.694	34.436	27.369	31.796	27.362	78.4	15.150	90.8	1480.8	9248.8	6.9
970.0	962.5	3.731	3.660	34.441	27.376	31.850	27.369	77.8	15.228	90.7	1480.9	9399.0	9.3
980.0	972.3	3.717	3.645	34.445	27.381	31.900	27.373	77.4	15.306	90.7	1481.0	9550.0	9.0
990.0	982.2	3.688	3.616	34.449	27.387	31.953	27.380	76.8	15.383	90.8	1481.0	9701.8	1.9

Station 26 Latitude 33° 12.06'N Longitude 127° 36.60'W 24 Aug 1989 GMT 18:17 Bottom 4500 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.1	3.671	3.597	34.452	27.391	32.003	27.384	76.5	15.460	90.7	1481.1	9854.3	4.9
1020.0	1011.9	3.645	3.570	34.460	27.400	32.104	27.393	75.7	15.612	90.7	1481.3	10161.6	8.1
1040.0	1031.7	3.585	3.509	34.468	27.412	32.209	27.405	74.6	15.762	90.7	1481.4	10471.8	6.4
1060.0	1051.5	3.549	3.472	34.477	27.423	32.312	27.416	73.7	15.910	90.8	1481.6	10785.0	2.9
1080.0	1071.2	3.503	3.425	34.484	27.433	32.414	27.425	72.8	16.057	90.7	1481.8	11101.0	4.0
1100.0	1091.0	3.464	3.384	34.489	27.441	32.514	27.433	72.1	16.202	90.7	1481.9	11419.9	4.6
1120.0	1110.8	3.435	3.354	34.492	27.447	32.612	27.439	71.7	16.346	90.8	1482.2	11741.6	4.1
1140.0	1130.5	3.407	3.325	34.498	27.454	32.711	27.446	71.1	16.489	90.7	1482.4	12066.1	.6
1160.0	1150.3	3.363	3.280	34.503	27.462	32.812	27.455	70.3	16.630	90.7	1482.5	12393.4	3.5
1180.0	1170.1	3.329	3.244	34.506	27.468	32.910	27.460	69.8	16.770	90.7	1482.7	12723.4	2.3
1200.0	1189.8	3.305	3.218	34.510	27.474	33.007	27.466	69.4	16.909	90.7	1482.9	13056.2	3.8
1220.0	1209.6	3.256	3.168	34.516	27.483	33.109	27.475	68.6	17.047	90.7	1483.1	13391.7	3.5
1240.0	1229.3	3.229	3.140	34.519	27.488	33.206	27.480	68.2	17.184	90.7	1483.3	13729.8	3.2
1260.0	1249.1	3.192	3.101	34.523	27.495	33.304	27.486	67.6	17.320	90.7	1483.5	14070.6	5.0
1280.0	1268.8	3.147	3.055	34.527	27.502	33.405	27.494	66.8	17.454	90.7	1483.6	14414.1	3.3
1300.0	1288.6	3.118	3.025	34.530	27.508	33.502	27.499	66.4	17.587	90.7	1483.8	14760.1	3.3
1320.0	1308.3	3.083	2.989	34.533	27.513	33.599	27.504	66.0	17.720	90.6	1484.0	15108.7	7.4
1340.0	1328.1	3.046	2.950	34.537	27.520	33.699	27.511	65.3	17.851	90.6	1484.2	15459.9	3.0
1360.0	1347.8	3.013	2.917	34.540	27.525	33.796	27.517	64.9	17.981	90.7	1484.4	15813.7	4.5
1380.0	1367.6	2.970	2.872	34.544	27.533	33.896	27.524	64.2	18.110	90.6	1484.5	16170.0	7.4
1400.0	1387.3	2.920	2.821	34.549	27.542	33.997	27.533	63.3	18.238	90.7	1484.7	16528.7	3.0
1420.0	1407.1	2.882	2.782	34.553	27.548	34.095	27.539	62.8	18.364	90.6	1484.8	16889.9	3.6
1440.0	1426.8	2.843	2.741	34.556	27.554	34.194	27.545	62.1	18.489	90.7	1485.0	17253.6	3.9
1460.0	1446.5	2.807	2.705	34.559	27.560	34.292	27.551	61.6	18.613	90.7	1485.2	17619.7	3.6
1480.0	1466.3	2.759	2.655	34.563	27.568	34.392	27.559	60.9	18.735	90.6	1485.3	17988.2	4.8
1500.0	1486.0	2.723	2.618	34.567	27.573	34.490	27.564	60.3	18.857	90.7	1485.5	18359.1	1.0
1520.0	1505.7	2.684	2.579	34.571	27.580	34.589	27.571	59.7	18.976	90.6	1485.7	18732.3	1.3
1540.0	1525.4	2.652	2.545	34.572	27.584	34.685	27.575	59.3	19.095	90.6	1485.9	19107.8	.2
1560.0	1545.2	2.623	2.514	34.575	27.589	34.782	27.580	58.9	19.213	90.7	1486.1	19485.6	3.1
1580.0	1564.9	2.589	2.479	34.578	27.594	34.879	27.585	58.3	19.331	90.7	1486.3	19865.7	4.0
1600.0	1584.6	2.552	2.441	34.581	27.600	34.977	27.591	57.8	19.447	90.7	1486.5	20248.1	2.8
1620.0	1604.3	2.530	2.418	34.583	27.604	35.072	27.594	57.5	19.562	90.6	1486.7	20632.7	1.4
1640.0	1624.0	2.494	2.380	34.586	27.610	35.170	27.600	56.9	19.676	90.6	1486.9	21019.5	6.4
1660.0	1643.8	2.460	2.345	34.589	27.615	35.267	27.605	56.4	19.790	90.7	1487.1	21408.5	4.6
1680.0	1663.5	2.441	2.325	34.591	27.617	35.362	27.608	56.2	19.902	90.7	1487.3	21799.8	.0
1700.0	1683.2	2.418	2.300	34.593	27.621	35.457	27.611	55.9	20.014	90.6	1487.6	22193.2	2.6
1720.0	1702.9	2.389	2.270	34.596	27.626	35.553	27.616	55.4	20.126	90.6	1487.8	22588.7	3.5
1740.0	1722.6	2.357	2.237	34.598	27.630	35.650	27.621	55.0	20.236	90.6	1488.0	22986.4	1.8
1760.0	1742.3	2.331	2.210	34.600	27.635	35.745	27.624	54.6	20.345	90.6	1488.2	23386.3	.6
1780.0	1762.0	2.313	2.190	34.602	27.638	35.840	27.628	54.3	20.454	90.6	1488.4	23788.2	2.1
1800.0	1781.7	2.287	2.163	34.604	27.642	35.936	27.632	53.9	20.563	90.6	1488.7	24192.3	1.8
1820.0	1801.4	2.264	2.138	34.606	27.645	36.030	27.635	53.6	20.670	90.7	1488.9	24598.4	3.6
1840.0	1821.1	2.240	2.113	34.608	27.648	36.125	27.638	53.3	20.777	90.6	1489.1	25006.6	2.7
1860.0	1840.8	2.219	2.091	34.610	27.652	36.220	27.642	53.0	20.883	90.7	1489.4	25416.9	1.5
1880.0	1860.5	2.200	2.070	34.612	27.655	36.315	27.645	52.7	20.989	90.6	1489.6	25829.2	1.6
1900.0	1880.2	2.182	2.051	34.613	27.658	36.408	27.647	52.5	21.094	90.6	1489.9	26243.6	-1.4
1920.0	1899.9	2.163	2.030	34.615	27.661	36.503	27.650	52.2	21.199	90.7	1490.2	26660.0	3.9
1940.0	1919.6	2.140	2.006	34.618	27.665	36.598	27.654	51.8	21.302	90.7	1490.4	27078.3	3.1
1960.0	1939.3	2.121	1.986	34.620	27.668	36.693	27.658	51.5	21.406	90.7	1490.6	27498.7	.4
1980.0	1958.9	2.101	1.965	34.622	27.672	36.787	27.661	51.2	21.508	90.7	1490.9	27921.1	1.0
2000.0	1978.6	2.088	1.950	34.624	27.674	36.880	27.663	51.0	21.611	90.7	1491.2	28345.5	-.1
2050.0	2027.8	2.050	1.908	34.628	27.681	37.114	27.670	50.5	21.865	90.6	1491.9	29415.0	.5
2100.0	2077.0	2.006	1.861	34.632	27.687	37.348	27.676	49.8	22.116	90.6	1492.5	30496.6	1.4
2150.0	2126.2	1.981	1.832	34.634	27.692	37.578	27.680	49.6	22.364	90.6	1493.2	31590.3	3.2
2200.0	2175.4	1.949	1.796	34.638	27.698	37.810	27.685	49.1	22.610	90.6	1493.9	32695.8	.6
2250.0	2224.5	1.920	1.763	34.640	27.702	38.041	27.690	48.7	22.855	90.6	1494.7	33813.2	-.2
2300.0	2273.6	1.891	1.731	34.644	27.707	38.272	27.695	48.3	23.097	90.6	1495.4	34942.3	.1
2350.0	2322.8	1.866	1.701	34.646	27.711	38.501	27.699	48.0	23.338	90.7	1496.1	36083.0	1.4
2400.0	2371.9	1.837	1.669	34.649	27.716	38.732	27.704	47.6	23.577	90.6	1496.8	37235.2	1.7
2450.0	2421.0	1.813	1.640	34.652	27.720	38.961	27.707	47.2	23.814	90.6	1497.6	38398.8	-.3
2500.0	2470.1	1.789	1.612	34.654	27.724	39.189	27.711	47.0	24.049	90.6	1498.3	39573.8	2.1
2550.0	2519.2	1.769	1.588	34.655	27.727	39.417	27.713	46.8	24.284	90.6	1499.1	40760.0	.9
2600.0	2568.3	1.745	1.560	34.659	27.732	39.646	27.718	46.4	24.517	90.6	1499.8	41957.4	1.6
2650.0	2617.3	1.723	1.534	34.660	27.735	39.873	27.721	46.1	24.748	90.6	1500.6	43165.9	.7
2700.0	2666.4	1.700	1.507	34.662	27.738	40.100	27.724	45.9	24.978	90.6	1501.3	44385.5	1.4
2750.0	2715.4	1.683	1.485	34.664	27.742	40.327	27.727	45.7	25.207	90.6	1502.1	45616.0	.5
2800.0	2764.4	1.664	1.463	34.666	27.744	40.553	27.730	45.5	25.435	90.6	1502.9	46857.4	1.1
2850.0	2813.4	1.652	1.446	34.667	27.747	40.778	27.732	45.4	25.662	90.6	1503.7	48109.7	1.2
2900.0	2862.5	1.641	1.431	34.668	27.749	41.003	27.734	45.3	25.889	90.6	1504.5	49372.9	.7
2950.0	2911.5	1.622	1.408	34.670	27.752	41.228	27.736	45.1	26.115	90.6	1505.2	50646.8	-.2
3000.0	2960.4	1.612	1.393	34.671	27.754	41.452	27.738	45.0	26.340	90.6	1506.0	51931.5	.2
3050.0	3009.4	1.604	1.380	34.672	27.756	41.676	27.739	44.9	26.565	90.6	1506.9	53226.9	.2
3100.0	3058.4	1.589	1.360	34.673	27.758	41.900	27.741	44.8	26.789	90.5	1507.6	54533.1	-.3
3106.0	3064.3	1.587	1.358	34.674	27.759	41.927	27.742	44.7	26.816	90.6	1507.7	54690.5	.0

Station 27 Latitude 32° 59.22'N Longitude 127° 44.74'W 24 Aug 1989 GMT 21:38 Bottom 4225 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.614	19.614	33.694	23.868	23.868	23.868	402.7	.000	90.1	1519.5	.0	.0
10.0	10.0	19.603	19.601	33.696	23.872	23.915	23.872	402.6	.403	90.1	1519.7	2.0	17.7
20.0	19.9	19.561	19.557	33.705	23.891	23.978	23.890	401.2	.805	90.0	1519.7	8.0	16.7
30.0	29.9	19.541	19.535	33.779	23.952	24.082	23.951	395.7	1.204	90.0	1519.9	18.0	86.7
40.0	39.9	19.523	19.516	33.798	23.972	24.145	23.970	394.2	1.599	90.1	1520.1	32.0	4.4
50.0	49.8	19.508	19.499	33.800	23.978	24.195	23.976	394.0	1.993	90.1	1520.2	49.9	14.7
60.0	59.8	19.241	19.230	33.769	24.023	24.283	24.020	390.1	2.385	90.1	1519.6	71.7	118.0
70.0	69.8	16.362	16.351	33.466	24.489	24.796	24.486	345.7	2.753	89.8	1510.9	97.4	273.1
80.0	79.7	16.054	16.042	33.576	24.644	24.996	24.641	331.2	3.091	90.0	1510.3	126.5	253.7
90.0	89.7	15.028	15.014	33.505	24.817	25.214	24.814	314.9	3.414	90.3	1507.1	158.9	103.3
100.0	99.7	14.586	14.571	33.502	24.910	25.352	24.907	306.2	3.725	90.3	1505.9	194.4	136.0
110.0	109.6	14.028	14.012	33.508	25.033	25.520	25.029	294.8	4.025	90.2	1504.2	233.0	140.6
120.0	119.6	13.454	13.437	33.518	25.158	25.691	25.155	283.0	4.314	90.4	1502.5	274.5	156.9
130.0	129.5	12.913	12.895	33.505	25.257	25.835	25.253	273.8	4.592	90.6	1500.8	318.8	116.1
140.0	139.5	12.435	12.417	33.495	25.342	25.966	25.338	265.9	4.861	90.7	1499.3	365.9	75.9
150.0	149.4	11.934	11.915	33.491	25.434	26.104	25.430	257.2	5.123	90.9	1497.8	415.5	96.3
160.0	159.4	11.302	11.283	33.483	25.544	26.261	25.540	246.9	5.376	90.9	1495.7	467.8	170.9
170.0	169.3	11.082	11.061	33.484	25.585	26.347	25.581	243.1	5.620	90.9	1495.1	522.5	116.1
180.0	179.3	10.663	10.642	33.586	25.739	26.547	25.735	228.6	5.856	91.0	1493.9	579.5	134.5
190.0	189.2	10.289	10.267	33.625	25.834	26.689	25.830	219.6	6.080	91.0	1492.8	638.9	50.4
200.0	199.1	9.663	9.640	33.677	25.979	26.882	25.976	205.8	6.293	91.0	1490.7	700.4	122.0
210.0	209.1	9.332	9.309	33.749	26.090	27.039	26.086	195.4	6.492	91.0	1489.7	764.0	81.2
220.0	219.0	9.006	8.982	33.812	26.191	27.187	26.187	185.9	6.683	91.0	1488.8	829.5	105.2
230.0	228.9	8.801	8.777	33.870	26.269	27.310	26.265	178.6	6.865	91.0	1488.2	896.8	44.5
240.0	238.9	8.690	8.664	33.890	26.302	27.389	26.298	175.7	7.042	90.9	1488.0	965.9	42.5
250.0	248.8	8.519	8.493	33.922	26.353	27.487	26.349	170.9	7.215	90.9	1487.6	1036.7	68.5
260.0	258.8	8.386	8.359	33.947	26.393	27.573	26.389	167.2	7.384	90.8	1487.3	1109.2	56.5
270.0	268.7	8.223	8.195	33.960	26.428	27.654	26.424	164.0	7.549	90.8	1486.8	1183.4	24.8
280.0	278.6	8.082	8.054	33.970	26.457	27.729	26.453	161.4	7.712	90.7	1486.5	1259.2	31.8
290.0	288.6	7.903	7.874	33.977	26.489	27.808	26.485	158.4	7.872	90.6	1485.9	1336.6	15.4
300.0	298.5	7.755	7.726	33.981	26.514	27.879	26.510	156.1	8.030	90.3	1485.5	1415.5	29.1
310.0	308.4	7.661	7.631	33.982	26.528	27.939	26.524	154.9	8.185	90.2	1485.3	1496.1	13.0
320.0	318.4	7.527	7.496	33.990	26.554	28.011	26.550	152.5	8.339	89.8	1485.0	1578.1	23.8
330.0	328.3	7.399	7.368	33.995	26.576	28.079	26.571	150.5	8.490	89.6	1484.7	1661.7	4.8
340.0	338.2	7.347	7.314	34.002	26.589	28.138	26.584	149.4	8.640	89.2	1484.6	1746.7	12.4
350.0	348.1	7.170	7.137	34.001	26.613	28.209	26.609	147.1	8.788	88.9	1484.1	1833.2	30.2
360.0	358.1	6.971	6.938	33.996	26.636	28.280	26.632	144.9	8.934	88.6	1483.5	1921.2	10.0
370.0	368.0	6.803	6.769	33.992	26.656	28.347	26.652	143.1	9.079	88.2	1483.0	2010.6	13.5
380.0	377.9	6.713	6.678	33.999	26.674	28.410	26.669	141.5	9.221	88.0	1482.8	2101.4	23.4
390.0	387.8	6.586	6.551	34.002	26.694	28.477	26.689	139.7	9.361	87.7	1482.5	2193.6	24.3
400.0	397.8	6.457	6.422	34.000	26.709	28.539	26.704	138.2	9.500	87.6	1482.1	2287.2	10.2
410.0	407.7	6.349	6.313	34.005	26.727	28.603	26.722	136.6	9.638	87.2	1481.8	2382.2	28.6
420.0	417.6	6.163	6.126	34.006	26.751	28.676	26.747	134.2	9.773	87.0	1481.3	2478.5	17.5
430.0	427.5	6.018	5.981	34.012	26.774	28.745	26.770	132.1	9.906	86.9	1480.9	2576.1	28.6
440.0	437.5	5.866	5.828	34.016	26.797	28.815	26.792	129.9	10.038	86.8	1480.4	2675.1	12.7
450.0	447.4	5.813	5.774	34.022	26.808	28.872	26.803	129.0	10.167	86.7	1480.4	2775.3	16.8
460.0	457.3	5.772	5.733	34.030	26.819	28.930	26.815	128.0	10.296	86.7	1480.4	2876.8	13.0
470.0	467.2	5.750	5.710	34.040	26.830	28.987	26.825	127.0	10.423	86.7	1480.5	2979.6	24.2
480.0	477.1	5.737	5.696	34.056	26.844	29.046	26.839	125.8	10.550	86.8	1480.6	3083.6	26.2
490.0	487.1	5.744	5.703	34.080	26.862	29.110	26.857	124.3	10.674	86.9	1480.8	3188.9	8.4
500.0	497.0	5.656	5.614	34.087	26.879	29.174	26.874	122.7	10.798	86.9	1480.6	3295.4	7.8
510.0	506.9	5.604	5.561	34.096	26.893	29.233	26.888	121.5	10.920	87.2	1480.6	3403.1	16.6
520.0	516.8	5.567	5.523	34.111	26.909	29.296	26.904	120.1	11.041	88.6	1480.6	3512.0	23.9
530.0	526.7	5.339	5.296	34.098	26.926	29.362	26.921	118.3	11.160	89.0	1479.9	3622.0	8.9
540.0	536.7	5.358	5.314	34.116	26.938	29.419	26.933	117.3	11.278	89.4	1480.1	3733.3	11.8
550.0	546.6	5.262	5.218	34.120	26.952	29.480	26.947	115.9	11.394	89.7	1479.9	3845.7	5.7
560.0	556.5	5.157	5.112	34.121	26.965	29.540	26.960	114.7	11.510	90.0	1479.6	3959.2	20.0
570.0	566.4	5.124	5.078	34.135	26.981	29.602	26.975	113.3	11.623	90.2	1479.7	4073.9	4.5
580.0	576.3	5.100	5.053	34.151	26.996	29.663	26.991	112.0	11.736	90.3	1479.8	4189.7	8.6
590.0	586.2	5.018	4.971	34.158	27.011	29.725	27.005	110.6	11.847	90.5	1479.6	4306.6	14.2
600.0	596.1	4.907	4.860	34.161	27.026	29.787	27.021	109.1	11.957	90.5	1479.3	4424.6	7.1
610.0	606.0	4.952	4.904	34.181	27.037	29.843	27.031	108.3	12.066	90.5	1479.7	4543.6	12.1
620.0	616.0	4.913	4.864	34.193	27.051	29.903	27.045	107.0	12.174	90.5	1479.7	4663.7	11.8
630.0	625.9	4.875	4.825	34.199	27.060	29.959	27.055	106.2	12.280	90.6	1479.7	4784.9	8.0
640.0	635.8	4.761	4.711	34.200	27.074	30.020	27.068	104.8	12.385	90.5	1479.4	4907.1	9.7
650.0	645.7	4.729	4.678	34.204	27.081	30.073	27.075	104.2	12.490	90.6	1479.5	5030.4	9.8
660.0	655.6	4.699	4.648	34.215	27.093	30.132	27.087	103.2	12.594	90.6	1479.5	5154.7	11.5
670.0	665.5	4.653	4.601	34.221	27.102	30.187	27.096	102.4	12.697	90.6	1479.5	5280.0	12.4
680.0	675.4	4.604	4.551	34.234	27.118	30.250	27.112	100.8	12.798	90.7	1479.5	5406.3	12.4
690.0	685.3	4.574	4.521	34.238	27.125	30.302	27.119	100.3	12.899	90.6	1479.5	5533.5	17.1
700.0	695.2	4.506	4.452	34.250	27.142	30.367	27.136	98.7	12.998	90.7	1479.4	5661.8	15.9
710.0	705.1	4.473	4.419	34.259	27.153	30.424	27.147	97.7	13.096	90.6	1479.5	5791.1	14.7
720.0	715.0	4.439	4.384	34.272	27.167	30.484	27.161	96.5	13.193	90.6	1479.5	5921.3	12.1
730.0	724.9	4.411	4.355	34.287	27.181	30.545	27.176	95.1	13.289	90.6	1479.6	6052.4	5.4
740.0	734.8	4.382	4.326	34.296	27.192	30.602	27.186	94.2	13.384	90.6	1479.6	6184.5	7.1
750.0	744.7	4.364	4.307	34.302	27.198	30.654	27.193	93.6	13.478	90.6	1479.7	6317.5	6.8
760.0	754.7	4.345	4.287	34.311	27.208	30.710	27.202	92.8	13.571	90.6	1479.8	6451.5	14.8
770.0	764.5	4.306	4.247	34.324	27.223	30.771	27.216	91.5	13.663	90.6	1479.8	6586.3	13.9
780.0	774.5	4.290	4.231	34.329	27.229	30.823	27.222	91.0	13.754	90.6	1479.9	6722.0	5.1
790.0	784.3	4.261	4.201	34.336	27.237	30.877	27.231	90.2	13.845	90.6	1480.0	6858.7	6.0
800.0	794.3	4.241	4.180	34.340	27.242	30.929	27.236	89.8	13.935	90.6	1480.1	6996.2	10.4
810.0	804.2	4.212	4.151	34.348	27.252	30.984	27.245	89.0	14.024	90.6	1480.1	7134.6	12.4
820.0	814.0	4.198	4.136	34.356	27.260	31.038	27.253	88.3	14.113	90.6	1480.2	7273.9	6.0
830.0	824.0	4.152	4.089	34.362	27.269	31.094	27.263	87.4	14.201	90.6	1480.2	7414.0	19.2
840.0	833.8	4.124	4.061	34.370	27.279	31.150	27.272	86.6	14.288	90.7	1480.3	7555.0	8.6
850.0	843.8	4.086	4.022	34.374	27.286	31.203	27.279	85.9	14.374	90.7	1480.3	7696.9	4.2
860.0	853.7	4.092	4.028	34.384	27.293	31.256	27.286	85.4	14.460	90.6	1480.5	7839.6	8.1
870.0	863.5	4.084	4.019	34.389	27.298	31.307	27.291	84.9	14.545	90.6	1480.6	7983.1	10.4
880.0	873.4	4.046	3.980	34.393	27.306	31.361	27.299	84.3	14.629	90.6	1480.6	8127.4	8.4
890.0	883.3	4.016	3.949	34.396	27.310	31.413	27.304	83.8	14.713	90.6	1480.7	8272.6	6.6
900.0	893.2	4.007	3.939	34.402	27.317	31.465	27.310	83.3	14.797	90.6	1480.8	8418.6	9.0
910.0	903.1	3.954	3.886	34.402	27.322	31.517	27.315	82.8	14.880	90.7	1480.8	8565.5	6.3
920.0	913.0	3.917	3.849	34.407	27.330	31.571	27.323	82.1	14.962	90.6	1480.8	8713.1	8.1
930.0	922.9	3.898	3.829	34.409	27.334	31.621	27.327	81.8	15.044	90.7	1480.9	8861.5	2.5
940.0	932.8	3.882	3.813	34.414	27.340	31.673	27.332	81.3	15.126	90.6	1481.0	9010.8	8.1
950.0	942.7	3.846	3.776	34.418	27.346	31.726	27.339	80.7	15.207	90.7	1481.0	9160.8	2.5
960.0	952.6	3.827	3.756	34.422	27.351	31.777	27.344	80.2	15.287	90.6	1481.1	9311.7	6.3
970.0	962.5	3.805	3.733	34.427	27.358	31.829	27.350	79.7	15.367	90.6	1481.2	9463.3	6.9
980.0	972.4	3.782	3.710	34.431	27.363	31.881	27.356	79.2	15.447	90.6	1481.2	9615.7	6.3
990.0	982.3	3.761	3.688	34.437	27.370	31.934	27.363	78.6	15.526	90.5	1481.3	9768.8	3.4

Station 27 Latitude 32° 59.22'N Longitude 127° 44.74'W 24 Aug 1989 GMT 21:38 Bottom 4225 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.739	3.665	34.442	27.376	31.986	27.368	78.1	15.604	90.6	1481.4	9922.8	7.8
1020.0	1011.9	3.696	3.621	34.450	27.387	32.089	27.379	77.1	15.759	90.6	1481.5	10233.0	13.4
1040.0	1031.7	3.650	3.574	34.461	27.401	32.195	27.393	75.9	15.912	90.6	1481.7	10546.1	4.0
1060.0	1051.5	3.595	3.518	34.466	27.410	32.298	27.403	75.0	16.063	90.6	1481.8	10862.3	4.0
1080.0	1071.3	3.551	3.473	34.477	27.423	32.403	27.415	73.9	16.212	90.6	1482.0	11181.4	6.7
1100.0	1091.0	3.486	3.406	34.484	27.435	32.508	27.428	72.7	16.359	90.6	1482.0	11503.4	5.8
1120.0	1110.8	3.459	3.378	34.490	27.442	32.607	27.435	72.1	16.504	90.6	1482.3	11828.2	5.8
1140.0	1130.6	3.407	3.325	34.498	27.454	32.711	27.446	71.1	16.647	90.6	1482.4	12155.8	3.8
1160.0	1150.3	3.358	3.274	34.504	27.464	32.813	27.455	70.2	16.788	90.6	1482.5	12486.3	3.5
1180.0	1170.1	3.311	3.226	34.509	27.472	32.915	27.465	69.4	16.928	90.6	1482.6	12819.4	9.4
1200.0	1189.9	3.268	3.182	34.515	27.481	33.016	27.473	68.6	17.066	90.5	1482.8	13155.3	6.4
1220.0	1209.6	3.227	3.140	34.520	27.489	33.115	27.480	68.0	17.203	90.6	1483.0	13493.8	3.2
1240.0	1229.4	3.182	3.093	34.525	27.497	33.216	27.489	67.2	17.338	90.6	1483.1	13835.0	2.4
1260.0	1249.1	3.145	3.056	34.528	27.503	33.314	27.495	66.7	17.472	90.6	1483.3	14178.9	4.4
1280.0	1268.9	3.111	3.020	34.530	27.508	33.412	27.500	66.2	17.605	90.6	1483.5	14525.3	5.0
1300.0	1288.6	3.067	2.975	34.536	27.517	33.512	27.508	65.4	17.736	90.6	1483.6	14874.3	1.2
1320.0	1308.4	3.030	2.936	34.540	27.523	33.612	27.515	64.8	17.867	90.6	1483.8	15225.8	4.2
1340.0	1328.1	2.989	2.894	34.544	27.530	33.711	27.522	64.2	17.996	90.6	1484.0	15579.9	3.6
1360.0	1347.9	2.963	2.867	34.546	27.534	33.806	27.526	63.9	18.124	90.5	1484.2	15936.5	2.4
1380.0	1367.6	2.939	2.842	34.547	27.538	33.902	27.529	63.6	18.251	90.6	1484.4	16295.6	3.0
1400.0	1387.3	2.902	2.803	34.551	27.545	34.001	27.536	63.0	18.378	90.5	1484.6	16657.1	3.6
1420.0	1407.1	2.870	2.770	34.555	27.550	34.098	27.541	62.5	18.503	90.6	1484.8	17021.1	1.3
1440.0	1426.8	2.836	2.735	34.558	27.556	34.196	27.547	62.0	18.627	90.6	1485.0	17387.5	2.2
1460.0	1446.6	2.802	2.700	34.561	27.562	34.294	27.553	61.4	18.751	90.6	1485.2	17756.4	1.9
1480.0	1466.3	2.769	2.665	34.564	27.567	34.391	27.558	60.9	18.873	90.5	1485.4	18127.6	3.7
1500.0	1486.0	2.734	2.629	34.568	27.573	34.489	27.564	60.4	18.994	90.5	1485.6	18501.2	3.4
1520.0	1505.8	2.702	2.595	34.570	27.578	34.586	27.569	59.9	19.115	90.6	1485.8	18877.1	6.9
1540.0	1525.5	2.672	2.565	34.573	27.583	34.683	27.574	59.5	19.234	90.6	1486.0	19255.3	2.2
1560.0	1545.2	2.641	2.532	34.576	27.588	34.780	27.579	59.0	19.353	90.5	1486.2	19635.9	.2
1580.0	1564.9	2.615	2.505	34.578	27.592	34.876	27.583	58.7	19.470	90.6	1486.4	20018.8	2.0
1600.0	1584.7	2.592	2.480	34.580	27.596	34.971	27.586	58.4	19.587	90.5	1486.6	20403.9	4.9
1620.0	1604.4	2.555	2.442	34.582	27.601	35.068	27.591	57.9	19.704	90.6	1486.8	20791.3	2.0
1640.0	1624.1	2.522	2.408	34.584	27.605	35.165	27.596	57.4	19.819	90.6	1487.0	21181.0	4.9
1660.0	1643.8	2.496	2.381	34.586	27.609	35.261	27.600	57.1	19.934	90.5	1487.2	21572.8	2.6
1680.0	1663.5	2.467	2.351	34.589	27.614	35.357	27.604	56.6	20.047	90.5	1487.4	21966.9	2.3
1700.0	1683.2	2.436	2.318	34.592	27.619	35.454	27.609	56.1	20.160	90.6	1487.6	22363.2	2.0
1720.0	1702.9	2.396	2.277	34.595	27.625	35.552	27.615	55.6	20.272	90.5	1487.8	22761.6	1.7
1740.0	1722.7	2.379	2.258	34.597	27.628	35.646	27.618	55.3	20.382	90.6	1488.1	23162.2	.0
1760.0	1742.3	2.355	2.234	34.597	27.631	35.740	27.621	55.1	20.493	90.5	1488.3	23565.0	1.2
1780.0	1762.1	2.339	2.216	34.599	27.633	35.834	27.623	54.8	20.603	90.5	1488.6	23969.9	2.1
1800.0	1781.8	2.315	2.191	34.602	27.638	35.930	27.627	54.5	20.712	90.6	1488.8	24376.9	3.9
1820.0	1801.5	2.288	2.162	34.604	27.641	36.025	27.631	54.1	20.821	90.5	1489.0	24786.0	2.4
1840.0	1821.2	2.256	2.129	34.607	27.646	36.123	27.636	53.6	20.928	90.5	1489.2	25197.1	1.8
1860.0	1840.8	2.234	2.105	34.609	27.650	36.217	27.639	53.2	21.035	90.5	1489.4	25610.4	1.8
1880.0	1860.6	2.217	2.087	34.612	27.654	36.312	27.643	52.9	21.141	90.5	1489.7	26025.7	3.0
1900.0	1880.2	2.192	2.061	34.613	27.657	36.407	27.647	52.6	21.247	90.5	1489.9	26443.1	2.5
1920.0	1899.9	2.181	2.048	34.617	27.661	36.501	27.650	52.3	21.352	90.6	1490.2	26862.5	3.1
1940.0	1919.6	2.156	2.022	34.618	27.664	36.596	27.653	52.0	21.456	90.6	1490.5	27283.9	1.3
1960.0	1939.3	2.138	2.003	34.620	27.667	36.690	27.656	51.7	21.559	90.6	1490.7	27707.3	1.0
1980.0	1959.0	2.119	1.983	34.621	27.670	36.784	27.659	51.5	21.663	90.5	1491.0	28132.8	1.9
2000.0	1978.7	2.098	1.960	34.623	27.673	36.878	27.662	51.2	21.765	90.5	1491.2	28560.2	.8
2050.0	2027.9	2.069	1.927	34.626	27.678	37.110	27.667	50.8	22.020	90.5	1491.9	29637.3	2.6
2100.0	2077.1	2.022	1.877	34.631	27.686	37.346	27.675	50.1	22.272	90.5	1492.6	30726.7	2.9
2150.0	2126.2	1.983	1.834	34.635	27.692	37.578	27.680	49.5	22.521	90.5	1493.3	31828.1	1.5
2200.0	2175.4	1.948	1.795	34.638	27.698	37.811	27.686	49.0	22.768	90.5	1493.9	32941.4	.6
2250.0	2224.6	1.915	1.758	34.641	27.703	38.042	27.691	48.6	23.012	90.5	1494.6	34066.6	-.8
2300.0	2273.7	1.888	1.727	34.645	27.708	38.273	27.696	48.2	23.254	90.5	1495.4	35203.4	.1
2350.0	2322.8	1.864	1.700	34.647	27.712	38.502	27.699	47.9	23.495	90.6	1496.1	36351.8	-.1
2400.0	2371.9	1.829	1.661	34.650	27.718	38.734	27.705	47.4	23.733	90.5	1496.8	37511.7	2.6
2450.0	2421.1	1.807	1.635	34.651	27.720	38.961	27.707	47.2	23.970	90.5	1497.6	38683.0	1.1
2500.0	2470.2	1.785	1.608	34.655	27.725	39.191	27.712	46.9	24.205	90.5	1498.3	39865.7	-.3
2550.0	2519.2	1.762	1.582	34.657	27.729	39.419	27.715	46.6	24.439	90.5	1499.1	41059.5	-1.1
2600.0	2568.3	1.746	1.561	34.658	27.731	39.646	27.718	46.4	24.672	90.5	1499.8	42264.6	2.7
2650.0	2617.4	1.723	1.534	34.660	27.735	39.873	27.721	46.1	24.903	90.5	1500.6	43480.7	1.6
2700.0	2666.4	1.707	1.513	34.661	27.737	40.099	27.723	46.0	25.133	90.4	1501.4	44707.9	-.7
2750.0	2715.5	1.686	1.489	34.663	27.741	40.326	27.726	45.8	25.363	90.5	1502.1	45946.1	.5
2800.0	2764.5	1.668	1.466	34.665	27.744	40.553	27.729	45.5	25.591	90.5	1502.9	47195.2	.6
2850.0	2813.5	1.648	1.442	34.668	27.748	40.779	27.733	45.3	25.819	90.5	1503.6	48455.3	.0
2900.0	2862.5	1.635	1.425	34.669	27.750	41.004	27.734	45.2	26.045	90.5	1504.4	49726.1	-.2
2950.0	2911.5	1.621	1.406	34.670	27.752	41.229	27.736	45.0	26.270	90.5	1505.2	51007.7	.4
3000.0	2960.5	1.605	1.386	34.671	27.755	41.454	27.739	44.9	26.495	90.6	1506.0	52300.0	.7
3050.0	3009.5	1.595	1.371	34.673	27.757	41.678	27.741	44.8	26.719	90.4	1506.8	53603.1	.5
3084.0	3042.8	1.589	1.362	34.673	27.758	41.829	27.742	44.7	26.871	90.5	1507.4	54495.2	.0

Station 28 Latitude 32° 45.57'N Longitude 127° 52.66'W 25 Aug 1989 GMT 01:09 Bottom 4525 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.621	19.621	33.653	23.834	23.834	23.834	405.9	.000	90.2	1519.5	.0	.0
10.0	10.0	19.621	19.619	33.653	23.834	23.878	23.834	406.2	.406	90.2	1519.7	2.0	1.8
20.0	19.9	19.600	19.596	33.667	23.851	23.938	23.850	405.0	.812	90.2	1519.8	8.1	25.2
30.0	29.9	19.628	19.623	33.744	23.903	24.033	23.902	400.4	1.216	90.1	1520.1	18.2	101.7
40.0	39.9	19.614	19.607	33.792	23.944	24.117	23.942	396.9	1.613	90.2	1520.3	32.3	36.4
50.0	49.8	19.524	19.515	33.813	23.984	24.201	23.982	393.4	2.008	90.2	1520.2	50.4	25.5
60.0	59.8	19.253	19.243	33.816	24.056	24.316	24.053	386.9	2.400	90.3	1519.6	72.3	635.2
70.0	69.8	16.269	16.258	33.604	24.617	24.924	24.614	333.5	2.755	90.3	1510.8	98.1	236.4
80.0	79.7	16.477	16.464	33.830	24.743	25.093	24.740	321.9	3.082	90.1	1511.9	127.1	113.2
90.0	89.7	16.748	16.733	34.008	24.816	25.210	24.813	315.2	3.401	90.2	1513.1	159.4	114.8
100.0	99.7	16.615	16.599	34.087	24.908	25.346	24.905	306.8	3.712	90.3	1512.9	194.8	67.9
110.0	109.6	15.420	15.403	33.894	25.031	25.515	25.028	295.2	4.014	90.2	1509.1	233.3	61.8
120.0	119.6	14.446	14.429	33.707	25.099	25.629	25.095	288.9	4.307	90.3	1506.0	274.7	131.6
130.0	129.5	14.149	14.130	33.689	25.147	25.722	25.144	284.5	4.594	90.5	1505.2	319.0	39.9
140.0	139.5	13.856	13.836	33.737	25.246	25.866	25.242	275.4	4.874	90.6	1504.4	366.1	164.6
150.0	149.4	12.733	12.713	33.605	25.370	26.038	25.366	263.5	5.142	90.8	1500.7	416.0	109.7
160.0	159.4	12.777	12.755	33.706	25.439	26.151	25.435	257.2	5.403	90.9	1501.1	468.4	119.4
170.0	169.3	12.186	12.164	33.636	25.499	26.258	25.495	251.6	5.657	90.8	1499.2	523.4	52.2
180.0	179.3	11.306	11.284	33.571	25.612	26.418	25.608	240.9	5.903	91.0	1496.2	580.9	80.1
190.0	189.2	10.812	10.789	33.606	25.728	26.581	25.724	229.9	6.140	91.0	1494.6	640.8	152.7
200.0	199.1	10.214	10.191	33.661	25.874	26.775	25.871	216.0	6.363	91.1	1492.7	703.0	107.2
210.0	209.1	9.870	9.846	33.685	25.951	26.898	25.947	208.8	6.575	91.0	1491.6	767.3	82.2
220.0	219.0	9.440	9.415	33.739	26.065	27.058	26.060	198.1	6.780	91.0	1490.3	833.7	157.1
230.0	229.0	9.023	8.998	33.823	26.197	27.237	26.193	185.5	6.971	91.0	1489.0	902.0	97.0
240.0	238.9	8.818	8.793	33.872	26.268	27.354	26.264	178.9	7.153	91.0	1488.5	972.2	96.7
250.0	248.8	8.619	8.593	33.910	26.329	27.462	26.325	173.2	7.329	91.0	1487.9	1044.2	60.3
260.0	258.8	8.478	8.451	33.933	26.369	27.548	26.364	169.6	7.500	90.9	1487.6	1117.8	46.8
270.0	268.7	8.307	8.279	33.961	26.416	27.642	26.412	165.2	7.667	90.9	1487.1	1193.2	31.3
280.0	278.6	8.190	8.162	33.964	26.436	27.708	26.432	163.4	7.832	90.8	1486.9	1270.2	26.0
290.0	288.6	8.029	8.000	33.976	26.470	27.787	26.465	160.3	7.994	90.6	1486.4	1348.8	42.7
300.0	298.5	7.852	7.822	33.979	26.498	27.862	26.494	157.6	8.153	90.4	1485.9	1428.9	21.3
310.0	308.4	7.744	7.713	33.981	26.516	27.926	26.512	156.1	8.309	90.2	1485.7	1510.7	49.7
320.0	318.4	7.598	7.567	33.984	26.540	27.996	26.535	153.9	8.464	89.6	1485.3	1594.0	17.1
330.0	328.3	7.427	7.396	33.987	26.566	28.069	26.562	151.5	8.617	89.1	1484.8	1678.8	34.4
340.0	338.2	7.274	7.242	33.987	26.588	28.138	26.584	149.4	8.768	88.3	1484.3	1765.1	11.8
350.0	348.2	7.100	7.067	33.989	26.613	28.210	26.609	147.0	8.916	87.4	1483.8	1852.9	29.9
360.0	358.1	6.952	6.919	33.990	26.635	28.278	26.630	145.1	9.062	86.6	1483.4	1942.1	17.6
370.0	368.0	6.767	6.734	33.993	26.662	28.353	26.658	142.5	9.206	85.8	1482.8	2032.8	18.7
380.0	377.9	6.658	6.623	33.991	26.675	28.412	26.670	141.4	9.348	84.9	1482.6	2124.9	16.1
390.0	387.9	6.575	6.540	33.990	26.685	28.469	26.681	140.4	9.489	84.0	1482.4	2218.3	7.3
400.0	397.8	6.462	6.426	33.989	26.699	28.529	26.695	139.1	9.628	83.2	1482.1	2313.2	6.4
410.0	407.7	6.405	6.369	33.989	26.707	28.583	26.702	138.5	9.767	82.5	1482.0	2409.5	20.2
420.0	417.6	6.241	6.205	34.001	26.737	28.660	26.733	135.7	9.904	82.0	1481.6	2507.1	23.6
430.0	427.6	6.116	6.079	34.003	26.755	28.725	26.750	134.0	10.039	81.7	1481.2	2606.0	11.3
440.0	437.5	6.009	5.971	34.006	26.771	28.788	26.766	132.5	10.172	81.2	1481.0	2706.3	16.9
450.0	447.4	5.894	5.856	34.011	26.789	28.853	26.784	130.8	10.304	80.9	1480.7	2807.9	15.4
460.0	457.3	5.795	5.756	34.013	26.803	28.914	26.799	129.5	10.434	80.7	1480.4	2910.8	.1
470.0	467.3	5.722	5.682	34.017	26.815	28.972	26.810	128.4	10.563	80.5	1480.3	3014.9	25.3
480.0	477.2	5.595	5.555	34.026	26.838	29.042	26.833	126.3	10.691	80.4	1480.0	3120.3	14.8
490.0	487.1	5.498	5.457	34.032	26.855	29.105	26.850	124.7	10.816	80.5	1479.8	3227.0	12.1
500.0	497.0	5.403	5.362	34.040	26.872	29.170	26.867	123.1	10.940	80.6	1479.5	3334.9	19.4
510.0	506.9	5.346	5.305	34.060	26.894	29.238	26.889	121.0	11.062	80.8	1479.5	3444.0	13.9
520.0	516.8	5.326	5.284	34.078	26.912	29.302	26.907	119.5	11.182	81.6	1479.6	3554.3	9.2
530.0	526.8	5.578	5.533	34.140	26.931	29.363	26.925	118.2	11.301	82.1	1480.9	3665.8	9.0
540.0	536.7	5.653	5.608	34.167	26.943	29.420	26.938	117.2	11.419	82.7	1481.4	3778.5	16.6
550.0	546.6	5.560	5.514	34.171	26.958	29.481	26.952	115.9	11.536	83.1	1481.2	3892.3	10.4
560.0	556.5	5.448	5.402	34.171	26.971	29.542	26.966	114.5	11.651	83.6	1480.9	4007.2	17.5
570.0	566.4	5.343	5.295	34.173	26.985	29.603	26.980	113.2	11.765	84.1	1480.6	4123.3	22.7
580.0	576.3	5.262	5.215	34.177	26.998	29.662	26.992	112.0	11.877	84.6	1480.5	4240.5	11.9
590.0	586.2	5.214	5.166	34.182	27.008	29.719	27.002	111.2	11.989	85.0	1480.4	4358.8	26.5
600.0	596.2	5.096	5.048	34.185	27.024	29.782	27.018	109.6	12.099	85.4	1480.1	4478.2	5.7
610.0	606.1	5.092	5.043	34.195	27.032	29.837	27.027	108.9	12.209	85.9	1480.3	4598.6	27.7
620.0	616.0	4.956	4.906	34.193	27.046	29.898	27.041	107.5	12.316	86.4	1479.9	4720.2	4.8
630.0	625.9	4.860	4.811	34.198	27.061	29.960	27.055	106.1	12.424	86.8	1479.7	4842.8	15.9
640.0	635.8	4.762	4.711	34.204	27.077	30.023	27.071	104.6	12.529	87.4	1479.4	4966.4	15.3
650.0	645.7	4.705	4.654	34.215	27.092	30.085	27.086	103.2	12.633	87.8	1479.4	5091.1	12.1
660.0	655.6	4.685	4.634	34.222	27.100	30.138	27.094	102.5	12.736	88.4	1479.5	5216.8	-.2
670.0	665.5	4.652	4.600	34.229	27.110	30.194	27.104	101.7	12.838	88.8	1479.5	5343.5	12.1
680.0	675.4	4.621	4.568	34.235	27.117	30.249	27.111	101.0	12.939	89.3	1479.5	5471.2	1.8
690.0	685.3	4.581	4.527	34.244	27.129	30.307	27.123	99.9	13.039	89.7	1479.5	5599.8	8.0
700.0	695.3	4.558	4.504	34.252	27.138	30.362	27.132	99.2	13.139	90.0	1479.6	5729.5	11.5
710.0	705.2	4.510	4.455	34.261	27.150	30.420	27.144	98.0	13.238	90.3	1479.6	5860.2	13.9
720.0	715.1	4.487	4.431	34.264	27.156	30.472	27.149	97.6	13.335	90.4	1479.7	5991.8	11.5
730.0	725.0	4.453	4.397	34.272	27.166	30.528	27.160	96.7	13.433	90.4	1479.7	6124.3	8.3
740.0	734.9	4.422	4.365	34.281	27.176	30.585	27.170	95.7	13.529	90.5	1479.8	6257.9	11.2
750.0	744.8	4.387	4.329	34.292	27.189	30.644	27.183	94.6	13.624	90.6	1479.8	6392.3	4.2
760.0	754.7	4.357	4.299	34.301	27.199	30.700	27.193	93.7	13.718	90.6	1479.8	6527.7	8.9
770.0	764.6	4.355	4.296	34.313	27.209	30.756	27.202	92.9	13.811	90.5	1480.0	6664.0	13.6
780.0	774.5	4.346	4.287	34.324	27.218	30.811	27.212	92.1	13.904	90.6	1480.2	6801.3	11.3
790.0	784.4	4.326	4.266	34.329	27.225	30.864	27.219	91.5	13.996	90.6	1480.2	6939.4	7.2
800.0	794.3	4.296	4.235	34.333	27.232	30.917	27.225	90.9	14.087	90.7	1480.3	7078.4	6.0
810.0	804.2	4.282	4.220	34.341	27.239	30.970	27.232	90.3	14.177	90.6	1480.4	7218.3	5.4
820.0	814.1	4.260	4.198	34.348	27.247	31.024	27.240	89.7	14.268	90.6	1480.5	7359.1	8.6
830.0	824.0	4.230	4.167	34.359	27.258	31.082	27.252	88.6	14.357	90.6	1480.5	7500.8	11.9
840.0	833.9	4.195	4.131	34.365	27.268	31.137	27.261	87.8	14.445	90.7	1480.6	7643.4	6.3
850.0	843.8	4.160	4.095	34.371	27.276	31.192	27.269	87.0	14.532	90.7	1480.6	7786.8	7.2
860.0	853.7	4.131	4.067	34.379	27.285	31.248	27.278	86.2	14.619	90.7	1480.6	7931.0	11.9
870.0	863.6	4.055	3.990	34.382	27.296	31.305	27.289	85.1	14.704	90.6	1480.5	8076.2	12.5
880.0	873.5	4.013	3.947	34.388	27.305	31.361	27.298	84.3	14.789	90.7	1480.5	8222.1	8.6
890.0	883.4	3.995	3.928	34.392	27.310	31.412	27.303	83.9	14.873	90.6	1480.6	8368.9	1.9
900.0	893.3	4.005	3.937	34.400	27.316	31.463	27.308	83.5	14.957	90.7	1480.8	8516.5	10.4
910.0	903.2	3.992	3.924	34.405	27.321	31.515	27.314	83.0	15.040	90.7	1480.9	8664.9	7.5
920.0	913.1	3.966	3.898	34.413	27.330	31.570	27.323	82.2	15.122	90.6	1481.0	8814.1	7.5
930.0	923.0	3.913	3.843	34.414	27.336	31.623	27.329	81.6	15.204	90.7	1480.9	8964.1	9.5
940.0	932.8	3.888	3.818	34.420	27.343	31.676	27.336	80.9	15.285	90.6	1481.0	9114.9	1.9
950.0	942.7	3.872	3.802	34.426	27.350	31.729	27.343	80.4	15.366	90.6	1481.1	9266.6	6.6
960.0	952.6	3.854	3.782	34.431	27.355	31.780	27.348	79.9	15.446	90.6	1481.2	9419.0	6.9
970.0	962.5	3.832	3.760	34.437	27.363	31.834	27.355	79.3	15.526	90.6	1481.3	9572.2	7.5
980.0	972.4	3.783	3.711	34.437	27.368	31.886	27.361	78.7	15.605	90.6	1481.2	9726.1	7.2
990.0	982.3	3.757	3.684	34.440	27.373	31.937	27.366	78.3	15.683	90.6	1481.3	9880.9	3.4

Station	28	Latitude	32° 45.57'N		Longitude	127° 52.66'W		25 Aug 1989 GMT 01:09			Bottom	4525 m
Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.734	3.660	34.444	27.378	31.989	27.371	77.8	15.761	90.6	1481.4	10036.4	5.5
1020.0	1012.0	3.688	3.613	34.454	27.391	32.093	27.383	76.7	15.916	90.6	1481.5	10349.6	6.7
1040.0	1031.8	3.646	3.570	34.460	27.400	32.195	27.392	75.9	16.069	90.5	1481.7	10665.9	1.4
1060.0	1051.5	3.590	3.513	34.468	27.412	32.300	27.405	74.8	16.219	90.6	1481.8	10985.2	-.1
1080.0	1071.3	3.543	3.464	34.475	27.423	32.403	27.415	73.9	16.368	90.7	1481.9	11307.4	4.9
1100.0	1091.1	3.488	3.408	34.487	27.438	32.510	27.430	72.5	16.515	90.6	1482.0	11632.4	8.1
1120.0	1110.8	3.432	3.351	34.491	27.446	32.611	27.438	71.7	16.659	90.6	1482.1	11960.3	1.4
1140.0	1130.6	3.392	3.309	34.496	27.454	32.712	27.446	71.0	16.802	90.6	1482.3	12291.0	7.0
1160.0	1150.4	3.346	3.262	34.502	27.464	32.813	27.456	70.2	16.943	90.6	1482.4	12624.5	1.1
1180.0	1170.1	3.304	3.219	34.508	27.472	32.914	27.464	69.4	17.082	90.6	1482.6	12960.7	7.3
1200.0	1189.9	3.257	3.171	34.513	27.481	33.016	27.473	68.6	17.220	90.6	1482.7	13299.7	2.3
1220.0	1209.7	3.213	3.126	34.519	27.489	33.116	27.481	67.9	17.357	90.6	1482.9	13641.3	4.7
1240.0	1229.4	3.189	3.100	34.521	27.494	33.212	27.485	67.5	17.492	90.6	1483.1	13985.5	3.8
1260.0	1249.2	3.155	3.065	34.525	27.500	33.311	27.492	67.0	17.627	90.6	1483.3	14332.4	4.1
1280.0	1268.9	3.107	3.016	34.531	27.509	33.413	27.501	66.1	17.760	90.6	1483.5	14681.9	.9
1300.0	1288.7	3.065	2.972	34.535	27.517	33.513	27.508	65.4	17.891	90.6	1483.6	15034.0	4.7
1320.0	1308.4	3.028	2.934	34.540	27.524	33.612	27.515	64.8	18.022	90.6	1483.8	15388.6	2.4
1340.0	1328.2	2.988	2.894	34.544	27.531	33.711	27.522	64.2	18.151	90.5	1484.0	15745.7	7.7
1360.0	1347.9	2.958	2.862	34.547	27.536	33.808	27.527	63.7	18.278	90.6	1484.2	16105.4	5.1
1380.0	1367.7	2.916	2.819	34.552	27.544	33.909	27.535	63.0	18.405	90.6	1484.3	16467.5	2.4
1400.0	1387.4	2.880	2.781	34.555	27.549	34.006	27.541	62.5	18.531	90.6	1484.5	16832.1	-1.4
1420.0	1407.1	2.857	2.757	34.558	27.554	34.103	27.545	62.0	18.655	90.6	1484.7	17199.1	3.0
1440.0	1426.9	2.822	2.721	34.561	27.560	34.201	27.551	61.5	18.779	90.5	1484.9	17568.5	1.3
1460.0	1446.6	2.793	2.690	34.564	27.565	34.297	27.556	61.1	18.901	90.6	1485.1	17940.3	5.1
1480.0	1466.3	2.763	2.660	34.566	27.569	34.394	27.560	60.7	19.023	90.6	1485.3	18314.5	4.2
1500.0	1486.1	2.732	2.627	34.569	27.574	34.490	27.565	60.3	19.144	90.5	1485.5	18691.0	2.2
1520.0	1505.8	2.709	2.602	34.570	27.578	34.586	27.568	60.0	19.264	90.6	1485.8	19069.9	4.0
1540.0	1525.5	2.678	2.571	34.573	27.583	34.682	27.573	59.6	19.383	90.5	1486.0	19451.1	1.3
1560.0	1545.3	2.644	2.535	34.575	27.587	34.779	27.577	59.1	19.502	90.6	1486.2	19834.7	4.9
1580.0	1565.0	2.602	2.492	34.579	27.594	34.878	27.584	58.5	19.620	90.6	1486.3	20220.5	3.4
1600.0	1584.7	2.584	2.473	34.582	27.598	34.974	27.588	58.1	19.736	90.6	1486.6	20608.6	5.8
1620.0	1604.4	2.540	2.427	34.586	27.605	35.073	27.595	57.5	19.852	90.6	1486.7	20998.9	3.4
1640.0	1624.1	2.505	2.391	34.587	27.609	35.169	27.600	57.0	19.966	90.6	1486.9	21391.5	3.7
1660.0	1643.8	2.474	2.359	34.590	27.614	35.266	27.605	56.5	20.080	90.5	1487.1	21786.2	.2
1680.0	1663.6	2.449	2.332	34.592	27.618	35.362	27.608	56.2	20.192	90.6	1487.4	22183.2	4.4
1700.0	1683.3	2.415	2.297	34.595	27.623	35.459	27.613	55.7	20.304	90.6	1487.5	22582.3	2.0
1720.0	1703.0	2.395	2.276	34.596	27.626	35.553	27.616	55.5	20.415	90.5	1487.8	22983.6	3.2
1740.0	1722.7	2.361	2.241	34.599	27.631	35.650	27.621	54.9	20.526	90.6	1488.0	23387.0	.6
1760.0	1742.4	2.340	2.218	34.600	27.634	35.745	27.624	54.7	20.635	90.6	1488.2	23792.6	4.4
1780.0	1762.1	2.306	2.183	34.604	27.640	35.842	27.629	54.1	20.744	90.7	1488.4	24200.3	.3
1800.0	1781.8	2.281	2.157	34.606	27.644	35.938	27.633	53.7	20.852	90.6	1488.6	24610.1	3.8
1820.0	1801.5	2.268	2.142	34.607	27.645	36.030	27.635	53.6	20.959	90.4	1488.9	25021.9	.3
1840.0	1821.2	2.251	2.124	34.609	27.648	36.124	27.638	53.4	21.066	90.5	1489.2	25435.8	4.8
1860.0	1840.9	2.230	2.101	34.611	27.652	36.220	27.642	53.0	21.173	90.5	1489.4	25851.8	3.9
1880.0	1860.6	2.210	2.080	34.612	27.655	36.314	27.644	52.8	21.278	90.5	1489.7	26269.9	1.0
1900.0	1880.3	2.189	2.058	34.615	27.659	36.409	27.648	52.4	21.384	90.5	1489.9	26689.9	1.6
1920.0	1900.0	2.170	2.037	34.617	27.662	36.503	27.651	52.2	21.488	90.5	1490.2	27112.0	.1
1940.0	1919.7	2.159	2.025	34.617	27.663	36.595	27.652	52.1	21.592	90.5	1490.5	27536.1	1.3
1960.0	1939.4	2.143	2.008	34.619	27.666	36.689	27.655	51.8	21.696	90.5	1490.7	27962.3	2.2
1980.0	1959.1	2.131	1.994	34.620	27.668	36.782	27.657	51.7	21.800	90.5	1491.0	28390.4	-1.0
2000.0	1978.7	2.115	1.977	34.621	27.670	36.875	27.659	51.5	21.903	90.5	1491.3	28820.5	.2
2050.0	2027.9	2.079	1.937	34.625	27.676	37.108	27.665	51.0	22.159	90.6	1492.0	29904.5	2.9
2100.0	2077.1	2.034	1.889	34.631	27.684	37.343	27.673	50.3	22.412	90.6	1492.6	31000.7	1.1
2150.0	2126.3	2.003	1.854	34.634	27.690	37.575	27.678	49.9	22.662	90.5	1493.3	32109.0	2.1
2200.0	2175.5	1.972	1.818	34.636	27.695	37.806	27.683	49.5	22.910	90.5	1494.0	33229.4	1.5
2250.0	2224.6	1.939	1.781	34.640	27.700	38.038	27.688	49.0	23.157	90.6	1494.7	34361.6	.7
2300.0	2273.8	1.904	1.743	34.643	27.706	38.270	27.694	48.5	23.400	90.5	1495.4	35505.6	1.0
2350.0	2322.9	1.869	1.704	34.647	27.712	38.501	27.699	48.0	23.642	90.5	1496.1	36661.2	3.1
2400.0	2372.0	1.840	1.672	34.649	27.716	38.731	27.703	47.6	23.881	90.5	1496.9	37828.4	1.7
2450.0	2421.1	1.807	1.635	34.653	27.722	38.963	27.709	47.1	24.117	90.5	1497.6	39006.9	1.4
2500.0	2470.2	1.786	1.610	34.655	27.725	39.191	27.712	46.9	24.352	90.5	1498.3	40196.8	.9
2550.0	2519.3	1.767	1.586	34.656	27.728	39.418	27.714	46.7	24.586	90.5	1499.1	41397.9	.1
2600.0	2568.4	1.749	1.564	34.659	27.732	39.645	27.718	46.4	24.819	90.5	1499.8	42610.2	1.0
2650.0	2617.4	1.727	1.538	34.661	27.735	39.873	27.721	46.2	25.051	90.5	1500.6	43833.7	.4
2700.0	2666.5	1.707	1.513	34.662	27.738	40.100	27.724	45.9	25.281	90.5	1501.4	45068.1	-.1
2750.0	2715.5	1.687	1.489	34.664	27.742	40.327	27.727	45.7	25.510	90.4	1502.1	46313.6	2.0
2800.0	2764.6	1.668	1.467	34.666	27.744	40.553	27.729	45.5	25.738	90.5	1502.9	47569.9	2.0
2850.0	2813.6	1.652	1.446	34.668	27.747	40.779	27.732	45.3	25.965	90.6	1503.7	48837.2	-.3
2900.0	2862.6	1.634	1.424	34.669	27.750	41.005	27.735	45.1	26.191	90.5	1504.4	50115.2	-.2
2950.0	2911.6	1.619	1.405	34.671	27.753	41.230	27.737	44.9	26.417	90.5	1505.2	51404.0	2.2
3000.0	2960.6	1.604	1.385	34.673	27.756	41.455	27.740	44.8	26.641	90.5	1506.0	52703.6	-1.6
3050.0	3009.6	1.590	1.366	34.674	27.758	41.680	27.742	44.6	26.865	90.5	1506.8	54013.7	.2
3100.0	3058.5	1.578	1.350	34.675	27.760	41.903	27.743	44.6	27.087	90.5	1507.6	55334.6	-.6
3150.0	3107.5	1.564	1.331	34.676	27.762	42.126	27.745	44.4	27.310	90.5	1508.4	56666.0	.0
3200.0	3156.4	1.555	1.317	34.678	27.764	42.349	27.747	44.3	27.532	90.5	1509.2	58008.0	.6
3250.0	3205.3	1.550	1.307	34.678	27.765	42.571	27.748	44.4	27.753	90.5	1510.0	59360.6	-.5
3300.0	3254.3	1.544	1.297	34.679	27.767	42.793	27.750	44.3	27.975	90.5	1510.9	60723.7	.1
3350.0	3303.2	1.534	1.282	34.680	27.769	43.015	27.751	44.3	28.196	90.5	1511.7	62097.3	.5
3400.0	3352.1	1.527	1.270	34.682	27.771	43.237	27.753	44.2	28.417	90.5	1512.5	63481.4	.2
3450.0	3400.9	1.519	1.257	34.683	27.773	43.458	27.754	44.1	28.638	90.5	1513.3	64876.0	1.1
3500.0	3449.8	1.515	1.248	34.684	27.775	43.679	27.756	44.1	28.858	90.4	1514.2	66281.1	.6
3550.0	3498.7	1.508	1.236	34.685	27.776	43.901	27.757	44.1	29.079	90.5	1515.0	67696.7	.4
3600.0	3547.6	1.505	1.228	34.686	27.777	44.120	27.758	44.1	29.299	90.4	1515.8	69122.7	1.0
3650.0	3596.4	1.500	1.218	34.687	27.779	44.340	27.759	44.1	29.520	90.5	1516.7	70559.1	1.0
3700.0	3645.2	1.497	1.210	34.688	27.780	44.560	27.760	44.1	29.740	90.4	1517.5	72006.0	.5
3750.0	3694.0	1.495	1.202	34.689	27.782	44.779	27.761	44.1	29.961	90.4	1518.4	73463.4	-.6
3800.0	3742.9	1.495	1.198	34.689	27.782	44.997	27.761	44.3	30.182	90.4	1519.2	74931.1	-.9
3850.0	3791.6	1.494	1.191	34.690	27.783	45.215	27.761	44.3	30.403	90.4	1520.1	76409.4	.6
3900.0	3840.4	1.495	1.186	34.690	27.784	45.433	27.762	44.4	30.625	90.5	1520.9	77898.2	-.8
3950.0	3889.2	1.497	1.184	34.691	27.784	45.650	27.762	44.6	30.848	90.5	1521.8	79397.5	-.4
4000.0	3938.0	1.499	1.180	34.692	27.785	45.867	27.763	44.7	31.071	90.4	1522.7	80907.3	.5
4050.0	3986.8	1.502	1.177	34.692	27.786	46.083	27.763	44.8	31.294	90.4	1523.5	82427.7	.2
4100.0	4035.5	1.506	1.176	34.692	27.786	46.299	27.763	45.0	31.519	90.4	1524.4	83958.6	-.6
4150.0	4084.2	1.511	1.175	34.692	27.786	46.515	27.762	45.2	31.744	90.4	1525.3	85500.2	1.8
4200.0	4133.0	1.514	1.173	34.693	27.787	46.730	27.763	45.4	31.971	90.4	1526.2	87052.5	-.2
4250.0	4181.7	1.516	1.169	34.693	27.787	46.946	27.763	45.5	32.198	90.4	1527.1	88615.5	-1.6
4300.0	4230.4	1.519	1.166	34.693	27.788	47.161	27.763	45.7	32.426	90.4	1527.9	90189.3	.5
4350.0	4279.1	1.523	1.164	34.693	27.788	47.376	27.763	45.9	32.655	90.4	1528.8	91773.8	-.6
4400.0	4327.8	1.527	1.163	34.694	27.788	47.590	27.762	46.0	32.885	90.4	1529.7	93369.1	.9
4450.0	4376.4	1.531	1.161	34.694	27.788	47.804	27.762	46.2	33.116	90.4	1530.6	94975.4	.6

Station 28 Latitude 32° 45.57'N Longitude 127° 52.66'W 25 Aug 1989 GMT 01:09 Bottom 4525 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
4500.0	4425.1	1.537	1.160	34.694	27.789	48.018	27.762	46.4	33.347	90.3	1531.5	96592.5	-2.3
4550.0	4473.7	1.542	1.160	34.694	27.789	48.231	27.762	46.6	33.580	90.4	1532.4	98220.6	1.0
4584.0	4506.8	1.546	1.160	34.694	27.789	48.376	27.761	46.8	33.739	90.4	1533.0	99333.9	.0

Station 29 Latitude 32° 32.59'N Longitude 128° 00.77'W 25 Aug 1989 GMT 05:08 Bottom 4400 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.782	19.782	33.818	23.918	23.918	23.918	397.8	.000	90.1	1520.1	.0	.0
10.0	10.0	19.782	19.781	33.818	23.919	23.962	23.919	398.1	.398	90.0	1520.3	2.0	.9
20.0	19.9	19.784	19.780	33.818	23.919	24.006	23.918	398.5	.796	90.1	1520.5	7.9	-.5
30.0	29.9	19.779	19.774	33.819	23.921	24.051	23.919	398.7	1.195	90.1	1520.6	17.9	2.4
40.0	39.9	19.724	19.716	33.820	23.937	24.111	23.935	397.5	1.594	90.0	1520.6	31.8	25.0
50.0	49.8	19.675	19.666	33.841	23.966	24.183	23.964	395.1	1.990	90.1	1520.7	49.6	65.7
60.0	59.8	19.371	19.361	33.880	24.074	24.334	24.071	385.2	2.382	90.1	1520.1	71.4	272.7
70.0	69.8	17.497	17.485	33.966	24.606	24.911	24.603	334.7	2.740	90.1	1514.9	97.0	247.8
80.0	79.7	16.940	16.927	33.984	24.753	25.102	24.749	321.0	3.067	90.2	1513.4	125.9	82.3
90.0	89.7	16.592	16.577	34.002	24.848	25.243	24.845	312.2	3.384	90.2	1512.6	158.0	81.9
100.0	99.7	16.464	16.448	34.088	24.944	25.382	24.940	303.4	3.691	90.4	1512.5	193.3	56.1
110.0	109.6	16.184	16.167	34.147	25.054	25.537	25.051	293.2	3.990	90.3	1511.8	231.5	129.3
120.0	119.6	15.576	15.558	34.089	25.147	25.675	25.143	284.6	4.279	90.5	1510.0	272.7	74.8
130.0	129.5	14.733	14.714	33.985	25.252	25.826	25.248	274.7	4.558	90.6	1507.4	316.7	37.4
140.0	139.5	14.144	14.124	33.914	25.323	25.942	25.319	268.1	4.830	90.7	1505.6	363.4	90.3
150.0	149.4	13.644	13.623	33.874	25.396	26.060	25.391	261.4	5.095	90.7	1504.1	412.8	45.4
160.0	159.4	13.174	13.152	33.867	25.485	26.195	25.481	253.1	5.352	90.8	1502.6	464.7	62.9
170.0	169.3	12.692	12.669	33.861	25.576	26.333	25.572	244.5	5.600	91.0	1501.2	519.2	54.9
180.0	179.3	12.257	12.233	33.824	25.632	26.434	25.627	239.3	5.842	90.9	1499.8	576.1	34.4
190.0	189.2	12.003	11.979	33.816	25.674	26.522	25.670	235.5	6.079	90.9	1499.1	635.4	95.2
200.0	199.1	11.347	11.323	33.777	25.766	26.661	25.761	226.8	6.310	91.0	1496.9	697.0	82.2
210.0	209.1	10.706	10.681	33.765	25.871	26.814	25.867	216.8	6.532	90.9	1494.8	760.9	128.1
220.0	219.0	10.128	10.103	33.783	25.985	26.975	25.980	205.9	6.743	91.0	1492.9	826.9	103.4
230.0	229.0	9.681	9.656	33.835	26.100	27.138	26.096	195.0	6.943	91.0	1491.5	894.9	7.8
240.0	238.9	9.530	9.504	33.859	26.144	27.227	26.139	191.0	7.135	91.0	1491.1	964.8	26.0
250.0	248.8	9.231	9.204	33.944	26.259	27.388	26.254	180.2	7.321	90.9	1490.3	1036.7	68.1
260.0	258.8	8.964	8.936	33.961	26.315	27.491	26.310	174.9	7.499	90.9	1489.5	1110.3	73.6
270.0	268.7	8.903	8.874	33.990	26.347	27.569	26.343	172.0	7.672	90.9	1489.4	1185.7	74.5
280.0	278.6	8.647	8.618	33.993	26.390	27.658	26.385	168.1	7.842	90.9	1488.6	1262.7	34.9
290.0	288.6	8.472	8.442	33.996	26.419	27.733	26.414	165.4	8.008	90.9	1488.1	1341.5	24.6
300.0	298.5	8.313	8.282	33.999	26.446	27.807	26.441	162.9	8.172	90.9	1487.7	1421.8	21.1
310.0	308.5	8.197	8.166	33.999	26.463	27.869	26.458	161.4	8.334	90.8	1487.4	1503.8	24.3
320.0	318.4	8.060	8.028	34.000	26.484	27.937	26.479	159.5	8.495	90.7	1487.1	1587.3	26.9
330.0	328.3	7.863	7.830	33.996	26.511	28.011	26.506	157.0	8.653	90.8	1486.5	1672.5	35.1
340.0	338.2	7.580	7.547	33.985	26.543	28.090	26.538	153.9	8.808	90.8	1485.5	1759.2	18.0
350.0	348.2	7.458	7.424	33.988	26.563	28.157	26.558	152.1	8.961	90.7	1485.2	1847.4	18.3
360.0	358.1	7.293	7.259	33.988	26.586	28.227	26.581	149.9	9.112	90.8	1484.7	1937.1	10.6
370.0	368.0	7.220	7.185	33.988	26.596	28.283	26.591	149.1	9.262	90.8	1484.6	2028.3	36.7
380.0	378.0	6.945	6.909	33.990	26.636	28.370	26.631	145.3	9.408	90.7	1483.7	2121.0	17.6
390.0	387.9	6.850	6.814	33.995	26.653	28.434	26.648	143.7	9.553	90.8	1483.5	2215.1	16.4
400.0	397.8	6.752	6.715	33.993	26.664	28.491	26.659	142.8	9.696	90.8	1483.3	2310.6	10.9
410.0	407.7	6.664	6.627	33.992	26.676	28.549	26.671	141.7	9.839	90.8	1483.1	2407.6	17.9
420.0	417.6	6.478	6.441	33.996	26.703	28.623	26.698	139.1	9.979	90.7	1482.5	2505.9	23.1
430.0	427.6	6.291	6.253	33.998	26.729	28.697	26.724	136.6	10.117	90.7	1481.9	2605.6	15.5
440.0	437.5	6.177	6.139	34.009	26.753	28.767	26.748	134.4	10.252	90.8	1481.7	2706.7	22.8
450.0	447.4	6.079	6.040	34.007	26.763	28.825	26.758	133.5	10.387	90.8	1481.4	2809.1	18.9
460.0	457.3	5.929	5.889	34.011	26.785	28.894	26.780	131.3	10.519	90.8	1481.0	2912.8	22.7
470.0	467.3	5.855	5.815	34.024	26.805	28.960	26.800	129.6	10.649	90.7	1480.9	3017.8	23.3
480.0	477.2	5.810	5.769	34.034	26.819	29.020	26.813	128.4	10.778	90.7	1480.9	3124.1	8.7
490.0	487.1	5.670	5.629	34.028	26.831	29.080	26.826	127.1	10.906	90.8	1480.4	3231.6	6.3
500.0	497.0	5.567	5.525	34.031	26.845	29.141	26.840	125.8	11.032	90.8	1480.2	3340.4	25.0
510.0	506.9	5.477	5.435	34.034	26.858	29.201	26.853	124.6	11.157	90.7	1480.0	3450.5	20.6
520.0	516.9	5.366	5.324	34.040	26.877	29.266	26.872	122.8	11.281	90.8	1479.7	3561.7	19.7
530.0	526.8	5.290	5.246	34.054	26.897	29.333	26.892	120.9	11.402	90.8	1479.6	3674.2	19.4
540.0	536.7	5.244	5.200	34.063	26.910	29.392	26.904	119.8	11.523	90.8	1479.6	3787.9	4.5
550.0	546.6	5.218	5.174	34.076	26.923	29.451	26.917	118.7	11.642	90.7	1479.7	3902.7	14.2
560.0	556.5	5.106	5.061	34.088	26.946	29.521	26.940	116.5	11.760	90.8	1479.4	4018.8	9.5
570.0	566.4	5.028	4.983	34.093	26.958	29.581	26.953	115.3	11.876	90.7	1479.2	4135.9	19.1
580.0	576.3	4.974	4.928	34.107	26.976	29.645	26.970	113.7	11.990	90.7	1479.2	4254.2	17.1
590.0	586.3	4.950	4.903	34.119	26.988	29.703	26.983	112.6	12.104	90.7	1479.3	4373.7	11.8
600.0	596.2	4.887	4.839	34.127	27.002	29.763	26.996	111.4	12.216	90.7	1479.2	4494.2	18.8
610.0	606.1	4.810	4.762	34.132	27.014	29.823	27.009	110.2	12.326	90.7	1479.0	4615.8	5.6
620.0	616.0	4.772	4.723	34.147	27.030	29.885	27.025	108.7	12.436	90.7	1479.1	4738.6	5.6
630.0	625.9	4.682	4.633	34.151	27.044	29.946	27.038	107.4	12.544	90.7	1478.9	4862.4	9.7
640.0	635.8	4.616	4.566	34.158	27.056	30.005	27.051	106.2	12.651	90.7	1478.8	4987.2	18.5
650.0	645.7	4.609	4.558	34.174	27.070	30.065	27.065	105.1	12.756	90.8	1478.9	5113.1	4.7
660.0	655.6	4.609	4.558	34.197	27.088	30.128	27.082	103.5	12.861	90.7	1479.1	5240.0	29.4
670.0	665.5	4.473	4.422	34.199	27.104	30.193	27.099	101.8	12.963	90.7	1478.7	5368.0	11.2
680.0	675.5	4.478	4.426	34.216	27.118	30.252	27.112	100.7	13.064	90.7	1478.9	5496.9	11.2
690.0	685.4	4.428	4.375	34.222	27.128	30.309	27.123	99.7	13.165	90.7	1478.9	5626.8	10.3
700.0	695.3	4.412	4.358	34.234	27.139	30.366	27.133	98.8	13.264	90.7	1479.0	5757.7	3.9
710.0	705.2	4.405	4.351	34.243	27.147	30.419	27.141	98.1	13.362	90.7	1479.1	5889.6	2.7
720.0	715.1	4.396	4.341	34.256	27.159	30.476	27.153	97.2	13.460	90.7	1479.3	6022.5	1.2
730.0	725.0	4.396	4.340	34.266	27.167	30.531	27.161	96.5	13.557	90.7	1479.5	6156.3	5.9
740.0	734.9	4.377	4.320	34.272	27.174	30.584	27.168	95.9	13.653	90.6	1479.6	6291.0	2.7
750.0	744.8	4.353	4.295	34.280	27.183	30.639	27.177	95.1	13.748	90.7	1479.6	6426.7	20.6
760.0	754.7	4.310	4.252	34.292	27.197	30.699	27.191	93.8	13.843	90.7	1479.6	6563.3	5.1
770.0	764.6	4.279	4.220	34.302	27.208	30.757	27.202	92.8	13.936	90.7	1479.7	6700.9	8.3
780.0	774.5	4.234	4.175	34.315	27.223	30.818	27.216	91.4	14.028	90.7	1479.7	6839.3	12.1
790.0	784.4	4.207	4.147	34.324	27.233	30.875	27.227	90.5	14.119	90.6	1479.7	6978.7	10.4
800.0	794.3	4.187	4.126	34.332	27.242	30.929	27.235	89.8	14.209	90.7	1479.8	7118.9	11.5
810.0	804.2	4.177	4.116	34.344	27.253	30.986	27.246	88.8	14.298	90.6	1480.0	7260.1	6.3
820.0	814.1	4.154	4.092	34.349	27.259	31.038	27.252	88.3	14.387	90.7	1480.0	7402.1	12.7
830.0	824.0	4.197	4.134	34.369	27.271	31.094	27.264	87.4	14.475	90.7	1480.4	7544.9	7.2
840.0	833.9	4.174	4.111	34.377	27.279	31.149	27.272	86.7	14.562	90.6	1480.5	7688.6	10.7
850.0	843.8	4.142	4.078	34.378	27.283	31.200	27.277	86.3	14.648	90.7	1480.5	7833.2	11.9
860.0	853.7	4.122	4.058	34.389	27.294	31.256	27.287	85.3	14.734	90.6	1480.6	7978.6	9.5
870.0	863.6	4.074	4.009	34.391	27.301	31.310	27.294	84.7	14.819	90.6	1480.6	8124.9	5.1
880.0	873.5	4.070	4.004	34.401	27.309	31.364	27.303	84.0	14.903	90.6	1480.8	8271.9	7.2
890.0	883.4	4.009	3.942	34.404	27.318	31.420	27.311	83.1	14.987	90.7	1480.7	8419.8	19.2
900.0	893.3	3.952	3.885	34.406	27.326	31.475	27.319	82.4	15.070	90.6	1480.6	8568.6	13.3
910.0	903.2	3.973	3.905	34.423	27.337	31.531	27.330	81.4	15.152	90.6	1480.9	8718.1	10.1
920.0	913.1	3.856	3.788	34.417	27.344	31.586	27.337	80.7	15.233	90.6	1480.5	8868.4	3.4
930.0	923.0	3.831	3.763	34.419	27.348	31.637	27.341	80.3	15.313	90.6	1480.6	9019.5	3.1
940.0	932.9	3.807	3.738	34.424	27.355	31.689	27.347	79.7	15.393	90.5	1480.7	9171.4	4.8
950.0	942.8	3.827	3.757	34.432	27.359	31.740	27.353	79.4	15.473	90.6	1480.9	9324.1	2.8
960.0	952.7	3.798	3.727	34.435	27.364	31.790	27.357	79.0	15.552	90.6	1481.0	9477.6	5.4
970.0	962.5	3.779	3.707	34.437	27.368	31.840	27.361	78.6	15.631	90.6	1481.1	9631.8	2.2
980.0	972.4	3.768	3.696	34.441	27.373	31.891	27.365	78.3	15.709	90.6	1481.2	9786.8	4.3
990.0	982.3	3.759	3.685	34.447	27.378	31.942	27.371	77.8	15.787	90.6	1481.3	9942.6	4.0

Station	29	Latitude	32° 32.59'N		Longitude	128° 00.77'W		25 Aug 1989 GMT 05:08			Bottom	4400 m
Pres.	Depth	Temp.	Pot.T.	Sal	Sigma-θ	Sigma-z	Sigma-t	Delta	Dyn.Ht	LTR	SV	TF	N^2
db	m	°C	°C	0/00	kg/m^3	kg/m^3	kg/m^3	10^8m^3/kg	J/kg	0/0	m/s	m^3/s^2	10^6/s^2
1000.0	992.2	3.715	3.641	34.449	27.384	31.995	27.377	77.3	15.865	90.6	1481.3	10099.1	7.8
1020.0	1012.0	3.638	3.563	34.458	27.399	32.103	27.392	75.8	16.018	90.6	1481.3	10414.4	10.2
1040.0	1031.8	3.585	3.510	34.467	27.412	32.208	27.404	74.7	16.168	90.5	1481.4	10732.7	5.8
1060.0	1051.6	3.539	3.462	34.475	27.422	32.311	27.415	73.8	16.317	90.6	1481.6	11053.9	6.9
1080.0	1071.3	3.513	3.434	34.482	27.431	32.411	27.423	73.1	16.464	90.6	1481.8	11378.0	7.5
1100.0	1091.1	3.470	3.390	34.487	27.439	32.512	27.431	72.3	16.609	90.6	1482.0	11704.9	2.9
1120.0	1110.9	3.401	3.321	34.494	27.451	32.617	27.444	71.2	16.752	90.6	1482.0	12034.7	9.9
1140.0	1130.6	3.351	3.269	34.500	27.461	32.720	27.453	70.2	16.894	90.6	1482.1	12367.2	6.7
1160.0	1150.4	3.314	3.230	34.506	27.469	32.820	27.461	69.5	17.034	90.6	1482.3	12702.5	.0
1180.0	1170.2	3.287	3.202	34.509	27.475	32.917	27.467	69.1	17.172	90.5	1482.5	13040.5	7.3
1200.0	1189.9	3.253	3.167	34.514	27.481	33.016	27.473	68.6	17.310	90.6	1482.7	13381.2	3.2
1220.0	1209.7	3.205	3.118	34.519	27.490	33.118	27.482	67.7	17.446	90.6	1482.9	13724.6	6.1
1240.0	1229.4	3.150	3.062	34.525	27.500	33.221	27.492	66.8	17.581	90.7	1483.0	14070.6	1.5
1260.0	1249.2	3.121	3.031	34.527	27.505	33.317	27.497	66.4	17.714	90.6	1483.2	14419.2	6.5
1280.0	1268.9	3.081	2.991	34.532	27.513	33.417	27.504	65.7	17.846	90.6	1483.3	14770.5	3.5
1300.0	1288.7	3.042	2.950	34.536	27.520	33.516	27.511	65.1	17.977	90.6	1483.5	15124.2	2.4
1320.0	1308.4	3.002	2.908	34.541	27.527	33.616	27.518	64.4	18.106	90.6	1483.7	15480.5	3.6
1340.0	1328.2	2.970	2.875	34.543	27.532	33.713	27.523	64.0	18.235	90.6	1483.9	15839.3	4.2
1360.0	1347.9	2.935	2.840	34.547	27.538	33.811	27.529	63.4	18.362	90.6	1484.1	16200.7	5.6
1380.0	1367.7	2.908	2.811	34.550	27.542	33.908	27.534	63.1	18.489	90.5	1484.3	16564.4	.7
1400.0	1387.4	2.887	2.788	34.552	27.547	34.003	27.538	62.8	18.614	90.6	1484.5	16930.7	3.9
1420.0	1407.2	2.857	2.757	34.555	27.552	34.100	27.543	62.3	18.740	90.6	1484.7	17299.3	2.4
1440.0	1426.9	2.819	2.718	34.558	27.558	34.199	27.549	61.7	18.864	90.6	1484.9	17670.4	4.5
1460.0	1446.6	2.782	2.680	34.562	27.564	34.297	27.555	61.1	18.986	90.6	1485.1	18043.9	3.9
1480.0	1466.4	2.757	2.654	34.564	27.568	34.393	27.559	60.8	19.108	90.6	1485.3	18419.8	3.4
1500.0	1486.1	2.742	2.637	34.566	27.571	34.487	27.562	60.6	19.230	90.6	1485.6	18798.0	1.9
1520.0	1505.8	2.697	2.591	34.569	27.578	34.586	27.569	59.9	19.350	90.6	1485.7	19178.6	2.2
1540.0	1525.6	2.661	2.553	34.572	27.583	34.684	27.574	59.4	19.469	90.5	1485.9	19561.5	2.5
1560.0	1545.3	2.625	2.516	34.576	27.589	34.782	27.580	58.8	19.588	90.5	1486.1	19946.8	.5
1580.0	1565.0	2.612	2.502	34.577	27.592	34.876	27.582	58.7	19.705	90.6	1486.4	20334.3	3.4
1600.0	1584.7	2.580	2.468	34.580	27.597	34.972	27.587	58.2	19.822	90.6	1486.6	20724.0	3.4
1620.0	1604.4	2.545	2.432	34.583	27.603	35.071	27.593	57.7	19.938	90.6	1486.8	21116.1	4.9
1640.0	1624.2	2.503	2.390	34.586	27.608	35.168	27.598	57.1	20.053	90.6	1486.9	21510.4	2.6
1660.0	1643.9	2.478	2.363	34.588	27.612	35.264	27.603	56.7	20.167	90.6	1487.1	21906.8	1.1
1680.0	1663.6	2.442	2.326	34.591	27.618	35.362	27.608	56.1	20.279	90.6	1487.3	22305.5	-1.8
1700.0	1683.3	2.390	2.273	34.595	27.625	35.462	27.616	55.3	20.391	90.5	1487.4	22706.4	3.8
1720.0	1703.0	2.362	2.243	34.598	27.630	35.559	27.620	54.9	20.501	90.6	1487.7	23109.4	.6
1740.0	1722.7	2.336	2.216	34.600	27.634	35.654	27.624	54.6	20.611	90.6	1487.9	23514.5	.9
1760.0	1742.4	2.323	2.201	34.602	27.637	35.748	27.627	54.3	20.719	90.6	1488.2	23921.7	-.9
1780.0	1762.2	2.303	2.180	34.603	27.639	35.842	27.629	54.1	20.828	90.6	1488.4	24331.1	-1.1
1800.0	1781.8	2.290	2.165	34.604	27.642	35.935	27.631	54.0	20.936	90.6	1488.7	24742.5	2.4
1820.0	1801.6	2.275	2.150	34.606	27.644	36.029	27.634	53.8	21.044	90.5	1489.0	25156.0	3.0
1840.0	1821.3	2.261	2.134	34.607	27.646	36.122	27.636	53.6	21.151	90.6	1489.2	25571.6	1.2
1860.0	1840.9	2.245	2.116	34.608	27.649	36.215	27.638	53.4	21.258	90.6	1489.5	25989.3	2.1
1880.0	1860.6	2.222	2.092	34.611	27.653	36.311	27.642	53.1	21.365	90.6	1489.7	26409.1	1.6
1900.0	1880.3	2.190	2.059	34.613	27.657	36.407	27.647	52.6	21.470	90.6	1489.9	26830.9	3.3
1920.0	1900.0	2.160	2.028	34.617	27.663	36.505	27.652	52.0	21.575	90.6	1490.1	27254.7	1.0
1940.0	1919.7	2.149	2.015	34.618	27.665	36.597	27.654	51.9	21.679	90.5	1490.4	27680.5	-.1
1960.0	1939.4	2.129	1.994	34.620	27.668	36.692	27.657	51.6	21.782	90.6	1490.7	28108.3	3.1
1980.0	1959.1	2.113	1.976	34.621	27.670	36.785	27.660	51.4	21.885	90.6	1490.9	28538.2	1.6
2000.0	1978.8	2.090	1.952	34.624	27.674	36.880	27.664	51.0	21.988	90.5	1491.2	28969.9	1.1
2050.0	2028.0	2.048	1.906	34.629	27.681	37.115	27.670	50.4	22.242	90.6	1491.8	30058.0	1.7
2100.0	2077.2	2.021	1.875	34.632	27.687	37.347	27.676	50.0	22.493	90.5	1492.6	31158.3	-.3
2150.0	2126.3	1.986	1.837	34.635	27.692	37.578	27.681	49.5	22.742	90.6	1493.3	32270.6	2.1
2200.0	2175.5	1.952	1.799	34.639	27.698	37.810	27.686	49.1	22.988	90.6	1494.0	33394.8	3.3
2250.0	2224.7	1.920	1.763	34.641	27.703	38.041	27.691	48.7	23.232	90.6	1494.7	34530.8	1.9
2300.0	2273.8	1.893	1.732	34.644	27.707	38.272	27.695	48.3	23.475	90.6	1495.4	35678.5	-.2
2350.0	2322.9	1.864	1.700	34.647	27.712	38.502	27.699	47.9	23.715	90.6	1496.1	36837.8	2.2
2400.0	2372.1	1.836	1.667	34.650	27.717	38.732	27.704	47.5	23.954	90.5	1496.8	38008.6	1.1
2450.0	2421.2	1.811	1.639	34.652	27.720	38.961	27.707	47.2	24.191	90.6	1497.6	39190.8	2.3
2500.0	2470.3	1.788	1.611	34.655	27.725	39.190	27.712	46.9	24.426	90.5	1498.3	40384.3	.3
2550.0	2519.4	1.766	1.585	34.657	27.729	39.418	27.715	46.6	24.660	90.6	1499.1	41589.0	-.2
2600.0	2568.4	1.745	1.561	34.658	27.731	39.646	27.718	46.4	24.892	90.5	1499.8	42804.9	.4
2650.0	2617.5	1.726	1.537	34.660	27.735	39.873	27.721	46.2	25.124	90.6	1500.6	44032.0	-.2
2700.0	2666.6	1.705	1.512	34.662	27.739	40.100	27.724	45.9	25.354	90.6	1501.3	45270.0	1.1
2750.0	2715.6	1.687	1.489	34.665	27.742	40.327	27.727	45.7	25.583	90.5	1502.1	46519.0	-.4
2800.0	2764.6	1.673	1.471	34.666	27.744	40.552	27.729	45.6	25.812	90.6	1502.9	47779.0	-.9
2850.0	2813.6	1.658	1.452	34.667	27.747	40.778	27.731	45.4	26.039	90.5	1503.7	49049.9	2.7
2900.0	2862.7	1.646	1.435	34.669	27.749	41.002	27.733	45.3	26.266	90.5	1504.5	50331.6	.1
2950.0	2911.6	1.627	1.411	34.670	27.752	41.228	27.736	45.1	26.492	90.5	1505.3	51624.1	.1
3000.0	2960.6	1.619	1.400	34.671	27.753	41.451	27.737	45.1	26.718	90.5	1506.1	52927.4	.2
3050.0	3009.6	1.605	1.380	34.673	27.756	41.676	27.740	44.9	26.943	90.5	1506.9	54241.4	.5
3100.0	3058.6	1.591	1.362	34.674	27.758	41.900	27.742	44.8	27.167	90.5	1507.6	55566.1	.8
3150.0	3107.5	1.580	1.346	34.675	27.760	42.123	27.744	44.7	27.391	90.5	1508.5	56901.5	.3
3200.0	3156.5	1.570	1.332	34.677	27.763	42.347	27.746	44.6	27.614	90.6	1509.3	58247.6	.3
3250.0	3205.4	1.562	1.319	34.677	27.764	42.569	27.747	44.6	27.837	90.6	1510.1	59604.2	.4
3300.0	3254.3	1.554	1.307	34.679	27.767	42.791	27.749	44.5	28.060	90.5	1510.9	60971.5	.7
3350.0	3303.2	1.546	1.293	34.680	27.768	43.013	27.750	44.4	28.282	90.5	1511.7	62349.3	1.9
3400.0	3352.1	1.536	1.279	34.681	27.770	43.235	27.751	44.4	28.504	90.5	1512.5	63737.7	1.1
3450.0	3401.0	1.532	1.270	34.682	27.772	43.456	27.753	44.3	28.726	90.5	1513.4	65136.6	.3
3500.0	3449.9	1.525	1.258	34.683	27.773	43.677	27.754	44.3	28.948	90.5	1514.2	66546.1	-.9
3550.0	3498.8	1.517	1.245	34.684	27.775	43.898	27.756	44.3	29.169	90.5	1515.0	67966.0	.1
3600.0	3547.6	1.515	1.238	34.685	27.776	44.118	27.757	44.3	29.391	90.5	1515.9	69396.5	-.5
3650.0	3596.5	1.510	1.228	34.686	27.778	44.338	27.758	44.3	29.612	90.5	1516.7	70837.5	1.6
3700.0	3645.3	1.508	1.221	34.687	27.779	44.557	27.758	44.4	29.834	90.5	1517.6	72289.0	.5
3750.0	3694.1	1.505	1.213	34.688	27.780	44.776	27.759	44.4	30.056	90.4	1518.4	73750.9	.3
3800.0	3742.9	1.503	1.205	34.688	27.781	44.995	27.760	44.4	30.278	90.5	1519.3	75223.4	-.6
3850.0	3791.7	1.505	1.201	34.689	27.782	45.213	27.760	44.5	30.500	90.5	1520.1	76706.4	.9
3900.0	3840.5	1.504	1.196	34.690	27.783	45.431	27.761	44.6	30.723	90.5	1521.0	78200.0	-1.9
3950.0	3889.3	1.506	1.192	34.690	27.783	45.648	27.761	44.7	30.947	90.3	1521.8	79704.1	.4
4000.0	3938.1	1.509	1.189	34.690	27.784	45.864	27.761	44.9	31.171	90.5	1522.7	81218.8	.2
4050.0	3986.8	1.510	1.185	34.691	27.785	46.082	27.762	45.0	31.396	90.5	1523.6	82744.1	-.3
4100.0	4035.6	1.513	1.183	34.691	27.784	46.297	27.761	45.2	31.621	90.5	1524.5	84280.0	.3
4150.0	4084.3	1.516	1.180	34.692	27.785	46.514	27.762	45.3	31.848	90.4	1525.3	85826.7	.6
4200.0	4133.0	1.519	1.177	34.692	27.786	46.729	27.762	45.5	32.075	90.5	1526.2	87384.0	.1
4250.0	4181.8	1.524	1.177	34.692	27.786	46.944	27.761	45.7	32.303	90.4	1527.1	88952.2	-.7
4300.0	4230.5	1.527	1.174	34.692	27.787	47.159	27.761	45.9	32.532	90.4	1528.0	90531.1	.2
4350.0	4279.2	1.531	1.172	34.693	27.787	47.374	27.761	46.0	32.762	90.4	1528.9	92120.8	-.3
4400.0	4327.8	1.536	1.171	34.693	27.787	47.588	27.761	46.2	32.993	90.5	1529.7	93721.4	-.6
4450.0	4376.5	1.539	1.168	34.693	27.787	47.802	27.760	46.4	33.224	90.4	1530.6	95333.0	-2.3
4472.0	4397.9	1.540	1.167	34.693	27.788	47.897	27.761	46.5	33.327	90.4	1531.0	96045.5	.0

Station 30 Latitude 32° 19.10'N Longitude 128° 08.88'W 25 Aug 1989 GMT 09:17 Bottom 4350 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.710	19.710	33.741	23.878	23.878	23.878	401.7	.000	89.8	1519.9	.0	.0
10.0	10.0	19.713	19.712	33.740	23.878	23.921	23.877	402.1	.402	89.9	1520.0	2.0	-8.9
20.0	19.9	19.722	19.718	33.739	23.875	23.961	23.874	402.7	.804	89.9	1520.2	8.0	1.5
30.0	29.9	19.720	19.715	33.739	23.876	24.005	23.874	403.0	1.207	89.9	1520.4	18.0	-.7
40.0	39.9	19.704	19.696	33.742	23.883	24.056	23.881	402.7	1.610	89.9	1520.5	32.1	24.4
50.0	49.8	19.672	19.663	33.794	23.931	24.148	23.929	398.4	2.011	89.9	1520.6	50.1	47.8
60.0	59.8	19.522	19.511	33.990	24.120	24.380	24.117	380.8	2.400	89.8	1520.6	72.1	67.1
70.0	69.8	18.955	18.943	34.099	24.348	24.652	24.345	359.4	2.776	90.0	1519.3	97.9	622.8
80.0	79.7	17.655	17.641	34.018	24.608	24.957	24.605	334.9	3.119	90.0	1515.6	127.3	133.9
90.0	89.7	17.205	17.191	34.040	24.733	25.126	24.730	323.3	3.449	90.0	1514.5	160.0	146.4
100.0	99.7	16.873	16.857	34.139	24.888	25.325	24.884	308.8	3.764	90.1	1513.8	196.0	125.0
110.0	109.6	16.678	16.661	34.148	24.941	25.423	24.937	304.0	4.069	90.1	1513.3	235.0	38.3
120.0	119.6	16.539	16.520	34.217	25.027	25.552	25.023	296.2	4.370	90.1	1513.2	277.0	83.4
130.0	129.5	15.944	15.924	34.214	25.161	25.731	25.156	283.7	4.658	90.4	1511.5	321.9	119.3
140.0	139.5	14.820	14.800	34.086	25.311	25.928	25.307	269.4	4.934	90.5	1508.0	369.7	77.3
150.0	149.4	14.411	14.389	34.029	25.356	26.018	25.351	265.4	5.201	90.6	1506.7	420.1	115.6
160.0	159.4	13.296	13.274	33.885	25.475	26.185	25.470	254.1	5.461	90.7	1503.1	473.1	148.2
170.0	169.3	12.683	12.660	33.808	25.537	26.293	25.532	248.2	5.710	90.7	1501.1	528.7	5.7
180.0	179.3	11.936	11.913	33.747	25.633	26.437	25.629	239.1	5.952	90.8	1498.6	586.7	42.2
190.0	189.2	11.129	11.105	33.742	25.778	26.629	25.773	225.3	6.185	90.8	1495.9	647.1	96.8
200.0	199.2	10.864	10.840	33.826	25.891	26.788	25.886	214.8	6.405	90.8	1495.2	709.7	70.1
210.0	209.1	10.484	10.460	33.803	25.939	26.883	25.935	210.2	6.618	90.9	1494.0	774.4	73.3
220.0	219.0	9.974	9.948	33.822	26.042	27.032	26.037	200.5	6.823	90.8	1492.4	841.2	45.3
230.0	229.0	9.762	9.736	33.843	26.093	27.130	26.089	195.7	7.022	90.8	1491.8	910.0	46.8
240.0	238.9	9.474	9.448	33.870	26.162	27.245	26.158	189.3	7.214	90.8	1490.9	980.8	56.1
250.0	248.9	9.190	9.163	33.896	26.228	27.358	26.224	183.1	7.400	90.9	1490.1	1053.4	42.6
260.0	258.8	9.080	9.052	33.910	26.257	27.432	26.252	180.5	7.581	90.8	1489.8	1127.8	59.6
270.0	268.7	8.795	8.767	33.930	26.318	27.540	26.313	174.8	7.758	90.8	1488.9	1204.0	19.7
280.0	278.7	8.650	8.621	33.960	26.363	27.631	26.358	170.6	7.931	90.8	1488.6	1282.0	28.1
290.0	288.6	8.506	8.475	33.981	26.403	27.717	26.398	167.0	8.100	90.8	1488.2	1361.6	53.6
300.0	298.5	8.286	8.255	33.997	26.448	27.809	26.444	162.7	8.264	90.8	1487.6	1442.9	32.2
310.0	308.5	8.172	8.141	33.998	26.466	27.873	26.462	161.1	8.426	90.7	1487.3	1525.8	23.1
320.0	318.4	8.034	8.002	33.998	26.487	27.941	26.483	159.2	8.586	90.8	1487.0	1610.2	33.3
330.0	328.3	7.855	7.822	33.999	26.514	28.014	26.509	156.7	8.744	90.8	1486.4	1696.3	18.7
340.0	338.3	7.682	7.649	34.003	26.542	28.089	26.537	154.1	8.899	90.8	1485.9	1783.9	20.4
350.0	348.2	7.558	7.524	34.002	26.559	28.152	26.554	152.6	9.053	90.7	1485.6	1873.0	22.1
360.0	358.1	7.291	7.256	34.002	26.597	28.238	26.593	148.9	9.204	90.7	1484.7	1963.6	31.7
370.0	368.0	7.181	7.147	33.998	26.609	28.296	26.604	147.8	9.352	90.7	1484.5	2055.8	15.0
380.0	378.0	7.057	7.021	33.991	26.621	28.354	26.616	146.8	9.500	90.7	1484.1	2149.3	29.9
390.0	387.9	6.850	6.814	33.992	26.650	28.431	26.646	144.0	9.645	90.6	1483.5	2244.4	32.5
400.0	397.8	6.648	6.612	33.995	26.680	28.508	26.675	141.2	9.787	90.6	1482.9	2340.8	19.6
410.0	407.7	6.547	6.510	33.998	26.696	28.570	26.691	139.8	9.928	90.7	1482.6	2438.6	19.3
420.0	417.7	6.426	6.389	33.999	26.712	28.633	26.707	138.2	10.067	90.7	1482.3	2537.8	18.4
430.0	427.6	6.341	6.302	34.003	26.726	28.694	26.721	136.9	10.204	90.6	1482.1	2638.4	4.3
440.0	437.5	6.268	6.229	34.008	26.740	28.754	26.735	135.7	10.340	90.7	1482.0	2740.4	7.3
450.0	447.4	6.122	6.083	34.016	26.765	28.826	26.760	133.4	10.475	90.6	1481.6	2843.6	7.2
460.0	457.4	6.032	5.992	34.019	26.779	28.887	26.774	132.0	10.608	90.6	1481.4	2948.2	15.7
470.0	467.3	6.055	6.014	34.037	26.790	28.943	26.785	131.2	10.739	90.6	1481.7	3054.1	20.7
480.0	477.2	6.001	5.959	34.049	26.807	29.006	26.802	129.7	10.870	90.6	1481.7	3161.3	22.5
490.0	487.1	5.829	5.787	34.043	26.823	29.070	26.818	128.1	10.998	90.6	1481.1	3269.8	21.3
500.0	497.0	5.738	5.695	34.049	26.839	29.133	26.834	126.6	11.126	90.5	1480.9	3379.5	9.8
510.0	507.0	5.610	5.567	34.049	26.855	29.196	26.850	125.1	11.251	90.5	1480.6	3490.5	14.5
520.0	516.9	5.530	5.487	34.054	26.868	29.256	26.863	123.8	11.376	90.6	1480.4	3602.7	5.4
530.0	526.8	5.503	5.459	34.068	26.883	29.316	26.878	122.5	11.499	90.5	1480.5	3716.1	20.1
540.0	536.7	5.375	5.331	34.071	26.900	29.381	26.895	120.9	11.621	90.5	1480.1	3830.8	30.9
550.0	546.6	5.195	5.151	34.072	26.923	29.451	26.917	118.7	11.740	90.6	1479.6	3946.6	20.6
560.0	556.5	5.114	5.069	34.074	26.933	29.509	26.928	117.7	11.858	90.5	1479.4	4063.6	10.6
570.0	566.5	5.046	5.000	34.085	26.950	29.572	26.944	116.1	11.975	90.6	1479.3	4181.7	8.3
580.0	576.4	4.971	4.925	34.096	26.967	29.636	26.962	114.5	12.090	90.6	1479.2	4301.0	27.3
590.0	586.3	4.907	4.860	34.105	26.982	29.698	26.977	113.1	12.204	90.6	1479.1	4421.5	19.7
600.0	596.2	4.819	4.772	34.114	26.999	29.761	26.993	111.6	12.316	90.5	1478.9	4543.0	13.2
610.0	606.1	4.802	4.754	34.121	27.006	29.815	27.001	110.9	12.427	90.5	1479.0	4665.6	4.5
620.0	616.0	4.732	4.684	34.132	27.023	29.879	27.018	109.3	12.538	90.5	1478.9	4789.4	15.0
630.0	625.9	4.656	4.608	34.148	27.044	29.946	27.038	107.4	12.646	90.6	1478.7	4914.2	25.5
640.0	635.8	4.591	4.542	34.159	27.060	30.009	27.055	105.9	12.753	90.6	1478.7	5040.0	15.6
650.0	645.8	4.556	4.506	34.170	27.072	30.068	27.067	104.8	12.858	90.5	1478.7	5166.9	15.6
660.0	655.7	4.523	4.472	34.179	27.083	30.125	27.078	103.8	12.962	90.5	1478.7	5294.9	11.2
670.0	665.6	4.497	4.446	34.195	27.099	30.187	27.093	102.4	13.066	90.5	1478.8	5423.8	11.8
680.0	675.5	4.482	4.430	34.201	27.105	30.239	27.100	101.9	13.168	90.6	1478.9	5553.8	11.2
690.0	685.4	4.436	4.383	34.211	27.119	30.299	27.113	100.6	13.269	90.6	1478.9	5684.7	3.3
700.0	695.3	4.400	4.346	34.219	27.129	30.355	27.123	99.8	13.369	90.5	1478.9	5816.7	15.0
710.0	705.2	4.372	4.318	34.231	27.141	30.414	27.136	98.6	13.469	90.5	1479.0	5949.6	10.9
720.0	715.1	4.348	4.293	34.240	27.152	30.471	27.146	97.7	13.567	90.6	1479.1	6083.5	6.8
730.0	725.0	4.325	4.270	34.250	27.161	30.526	27.155	96.9	13.664	90.5	1479.1	6218.4	5.9
740.0	734.9	4.302	4.246	34.257	27.170	30.581	27.164	96.1	13.760	90.5	1479.2	6354.2	5.1
750.0	744.8	4.274	4.218	34.267	27.180	30.638	27.174	95.2	13.856	90.5	1479.3	6491.0	5.1
760.0	754.7	4.267	4.210	34.272	27.185	30.688	27.179	94.8	13.951	90.5	1479.4	6628.7	10.0
770.0	764.6	4.241	4.183	34.289	27.201	30.751	27.195	93.3	14.045	90.4	1479.5	6767.3	6.8
780.0	774.5	4.219	4.160	34.298	27.211	30.806	27.205	92.5	14.138	90.5	1479.6	6906.9	13.9
790.0	784.4	4.190	4.131	34.310	27.224	30.865	27.217	91.4	14.230	90.4	1479.7	7047.3	18.3
800.0	794.3	4.149	4.089	34.320	27.236	30.924	27.230	90.2	14.321	90.5	1479.7	7188.7	14.2
810.0	804.2	4.123	4.062	34.331	27.248	30.982	27.242	89.2	14.410	90.6	1479.7	7330.9	7.4
820.0	814.1	4.093	4.032	34.342	27.260	31.040	27.253	88.1	14.499	90.5	1479.8	7474.0	10.6
830.0	824.0	4.076	4.013	34.348	27.266	31.093	27.260	87.5	14.587	90.5	1479.9	7618.0	9.2
840.0	833.9	4.044	3.982	34.357	27.277	31.150	27.270	86.6	14.674	90.5	1479.9	7762.8	10.4
850.0	843.8	4.024	3.961	34.363	27.284	31.203	27.277	86.0	14.760	90.5	1480.0	7908.5	3.6
860.0	853.7	3.996	3.932	34.371	27.293	31.258	27.286	85.2	14.846	90.5	1480.1	8055.0	12.1
870.0	863.6	3.963	3.898	34.379	27.302	31.314	27.296	84.3	14.931	90.5	1480.1	8202.4	10.1
880.0	873.5	3.935	3.870	34.386	27.311	31.369	27.304	83.5	15.015	90.5	1480.2	8350.6	.1
890.0	883.4	3.914	3.848	34.392	27.318	31.422	27.311	82.9	15.098	90.5	1480.2	8499.6	19.2
900.0	893.3	3.905	3.838	34.392	27.319	31.469	27.312	82.9	15.181	90.5	1480.4	8649.4	-.4
910.0	903.2	3.879	3.811	34.398	27.326	31.523	27.320	82.2	15.264	90.5	1480.4	8800.0	6.9
920.0	913.1	3.851	3.783	34.404	27.334	31.577	27.327	81.5	15.345	90.5	1480.5	8951.5	7.8
930.0	923.0	3.829	3.760	34.410	27.342	31.631	27.335	80.9	15.427	90.5	1480.6	9103.7	11.6
940.0	932.9	3.817	3.748	34.415	27.347	31.681	27.340	80.5	15.507	90.5	1480.7	9256.7	5.1
950.0	942.8	3.801	3.731	34.418	27.351	31.731	27.344	80.2	15.587	90.5	1480.8	9410.5	7.2
960.0	952.7	3.784	3.714	34.424	27.357	31.784	27.350	79.6	15.667	90.5	1480.9	9565.1	3.7
970.0	962.6	3.762	3.691	34.428	27.363	31.836	27.356	79.1	15.747	90.5	1481.0	9720.5	7.5
980.0	972.5	3.736	3.664	34.434	27.370	31.889	27.363	78.4	15.825	90.5	1481.0	9876.7	3.1
990.0	982.4	3.720	3.648	34.437	27.374	31.939	27.367	78.1	15.904	90.4	1481.1	10033.6	6.9

Station	30	Latitude	32° 19.10'N	Longitude	128° 08.88'W	25 Aug 1989 GMT 09:17					Bottom	4350 m
Pres.	Depth	Temp.	Pot.T.	Sal	Sigma-θ	Sigma-z	Sigma-t	Delta	Dyn.Ht	LTR	SV	TF	N^2
db	m	°C	°C	0/00	kg/m^3	kg/m^3	kg/m^3	10^8m^3/kg	J/kg	0/0	m/s	m^3/s^2	10^6/s^2
1000.0	992.3	3.695	3.621	34.440	27.379	31.990	27.372	77.7	15.981	90.4	1481.2	10191.3	6.6
1020.0	1012.0	3.670	3.595	34.447	27.387	32.090	27.379	77.0	16.136	90.5	1481.4	10508.9	1.7
1040.0	1031.8	3.623	3.547	34.454	27.398	32.193	27.390	76.1	16.290	90.5	1481.6	10829.6	8.1
1060.0	1051.6	3.592	3.515	34.463	27.408	32.295	27.400	75.2	16.441	90.5	1481.8	11153.2	8.7
1080.0	1071.4	3.536	3.458	34.470	27.419	32.399	27.411	74.2	16.590	90.4	1481.9	11479.8	2.6
1100.0	1091.1	3.500	3.420	34.478	27.429	32.501	27.421	73.4	16.738	90.5	1482.1	11809.3	3.5
1120.0	1110.9	3.461	3.380	34.486	27.439	32.603	27.431	72.5	16.884	90.4	1482.3	12141.6	3.8
1140.0	1130.7	3.412	3.330	34.493	27.450	32.707	27.442	71.5	17.028	90.4	1482.4	12476.8	2.3
1160.0	1150.4	3.364	3.280	34.499	27.459	32.809	27.451	70.6	17.170	90.4	1482.5	12814.8	5.0
1180.0	1170.2	3.334	3.249	34.503	27.465	32.907	27.457	70.2	17.311	90.5	1482.7	13155.5	2.6
1200.0	1190.0	3.293	3.207	34.508	27.473	33.007	27.465	69.4	17.450	90.5	1482.9	13499.0	1.8
1220.0	1209.7	3.251	3.164	34.513	27.481	33.107	27.473	68.7	17.588	90.5	1483.1	13845.2	2.9
1240.0	1229.5	3.213	3.124	34.519	27.490	33.208	27.482	67.9	17.725	90.4	1483.2	14194.0	1.5
1260.0	1249.2	3.183	3.093	34.521	27.494	33.304	27.486	67.6	17.860	90.4	1483.4	14545.5	2.7
1280.0	1269.0	3.170	3.078	34.530	27.503	33.404	27.494	66.9	17.995	90.5	1483.7	14899.7	6.5
1300.0	1288.7	3.130	3.037	34.534	27.509	33.503	27.501	66.3	18.128	90.5	1483.9	15256.4	2.7
1320.0	1308.5	3.104	3.010	34.540	27.517	33.603	27.508	65.7	18.260	90.5	1484.1	15615.7	1.8
1340.0	1328.2	3.072	2.976	34.545	27.524	33.702	27.516	65.0	18.391	90.5	1484.3	15977.6	3.9
1360.0	1348.0	3.022	2.925	34.547	27.531	33.800	27.522	64.4	18.520	90.4	1484.4	16342.0	1.6
1380.0	1367.7	2.985	2.887	34.548	27.535	33.897	27.526	64.0	18.648	90.4	1484.6	16709.0	4.8
1400.0	1387.5	2.919	2.820	34.550	27.542	33.997	27.533	63.3	18.776	90.5	1484.7	17078.4	5.1
1420.0	1407.2	2.898	2.798	34.555	27.548	34.095	27.539	62.8	18.902	90.3	1484.9	17450.3	2.5
1440.0	1426.9	2.849	2.748	34.556	27.553	34.193	27.544	62.3	19.027	90.4	1485.0	17824.6	4.5
1460.0	1446.7	2.810	2.707	34.560	27.560	34.292	27.551	61.6	19.151	90.5	1485.2	18201.3	3.6
1480.0	1466.4	2.773	2.669	34.563	27.566	34.390	27.557	61.1	19.274	90.4	1485.4	18580.5	1.3
1500.0	1486.2	2.742	2.637	34.565	27.571	34.487	27.562	60.6	19.395	90.5	1485.6	18962.0	1.3
1520.0	1505.9	2.713	2.607	34.568	27.575	34.583	27.566	60.3	19.516	90.4	1485.8	19345.9	.8
1540.0	1525.6	2.687	2.579	34.570	27.580	34.679	27.570	59.9	19.636	90.4	1486.0	19732.1	1.9
1560.0	1545.3	2.660	2.551	34.573	27.584	34.775	27.575	59.5	19.756	90.4	1486.2	20120.6	2.0
1580.0	1565.1	2.631	2.520	34.576	27.589	34.872	27.580	59.0	19.874	90.4	1486.5	20511.4	2.5
1600.0	1584.8	2.595	2.484	34.579	27.594	34.970	27.585	58.5	19.992	90.4	1486.6	20904.6	2.0
1620.0	1604.5	2.556	2.443	34.582	27.600	35.067	27.590	58.0	20.108	90.4	1486.8	21300.0	1.7
1640.0	1624.2	2.532	2.418	34.584	27.604	35.163	27.594	57.6	20.223	90.5	1487.0	21697.6	1.4
1660.0	1643.9	2.503	2.388	34.587	27.609	35.260	27.600	57.1	20.338	90.4	1487.2	22097.5	.0
1680.0	1663.7	2.476	2.359	34.589	27.613	35.356	27.603	56.7	20.452	90.4	1487.5	22499.6	.6
1700.0	1683.4	2.445	2.327	34.591	27.618	35.452	27.608	56.3	20.565	90.4	1487.7	22903.9	1.4
1720.0	1703.1	2.420	2.301	34.593	27.621	35.547	27.611	56.0	20.677	90.4	1487.9	23310.3	5.9
1740.0	1722.8	2.382	2.261	34.597	27.628	35.646	27.617	55.4	20.789	90.4	1488.1	23719.0	3.5
1760.0	1742.5	2.360	2.239	34.598	27.630	35.740	27.620	55.1	20.899	90.4	1488.3	24129.7	2.1
1780.0	1762.2	2.344	2.221	34.600	27.633	35.834	27.623	54.8	21.009	90.4	1488.6	24542.7	4.4
1800.0	1781.9	2.316	2.191	34.604	27.639	35.931	27.628	54.4	21.118	90.4	1488.8	24957.7	2.1
1820.0	1801.6	2.289	2.164	34.606	27.643	36.027	27.633	53.9	21.227	90.4	1489.0	25374.8	5.6
1840.0	1821.3	2.263	2.135	34.609	27.647	36.123	27.637	53.5	21.334	90.4	1489.2	25794.0	5.9
1860.0	1841.0	2.229	2.101	34.612	27.653	36.220	27.642	53.0	21.441	90.4	1489.4	26215.3	1.0
1880.0	1860.7	2.203	2.073	34.614	27.656	36.316	27.646	52.6	21.546	90.4	1489.7	26638.7	1.0
1900.0	1880.4	2.195	2.064	34.615	27.658	36.408	27.647	52.5	21.651	90.4	1490.0	27064.0	1.3
1920.0	1900.1	2.183	2.050	34.616	27.660	36.500	27.649	52.4	21.756	90.4	1490.2	27491.4	1.6
1940.0	1919.8	2.151	2.017	34.619	27.665	36.598	27.654	51.8	21.861	90.3	1490.4	27920.8	4.5
1960.0	1939.5	2.134	1.999	34.620	27.668	36.691	27.657	51.6	21.964	90.4	1490.7	28352.2	1.3
1980.0	1959.1	2.117	1.980	34.622	27.670	36.785	27.659	51.4	22.067	90.4	1491.0	28785.6	2.8
2000.0	1978.8	2.098	1.960	34.624	27.674	36.879	27.663	51.1	22.170	90.4	1491.2	29221.0	2.2
2050.0	2028.0	2.055	1.913	34.629	27.681	37.114	27.670	50.4	22.423	90.4	1491.9	30318.1	1.7
2100.0	2077.2	2.014	1.868	34.633	27.688	37.348	27.677	49.8	22.674	90.4	1492.5	31427.3	1.7
2150.0	2126.4	1.976	1.827	34.637	27.694	37.581	27.683	49.3	22.922	90.4	1493.2	32548.5	.3
2200.0	2175.6	1.941	1.788	34.640	27.700	37.813	27.688	48.8	23.167	90.4	1493.9	33681.5	.9
2250.0	2224.7	1.906	1.749	34.644	27.706	38.045	27.694	48.3	23.410	90.4	1494.6	34826.3	.4
2300.0	2273.9	1.873	1.712	34.647	27.711	38.277	27.699	47.8	23.650	90.4	1495.3	35982.7	4.2
2350.0	2323.0	1.845	1.681	34.650	27.716	38.507	27.703	47.5	23.888	90.4	1496.0	37150.5	1.1
2400.0	2372.1	1.821	1.652	34.652	27.720	38.736	27.707	47.1	24.124	90.4	1496.8	38329.8	.2
2450.0	2421.2	1.797	1.624	34.655	27.724	38.965	27.711	46.8	24.359	90.5	1497.5	39520.3	1.4
2500.0	2470.3	1.776	1.599	34.657	27.727	39.193	27.714	46.6	24.593	90.4	1498.3	40722.1	.0
2550.0	2519.4	1.758	1.577	34.659	27.730	39.421	27.717	46.4	24.825	90.4	1499.0	41935.0	1.2
2600.0	2568.5	1.739	1.554	34.660	27.734	39.648	27.720	46.2	25.056	90.4	1499.8	43159.0	1.3
2650.0	2617.6	1.712	1.523	34.664	27.738	39.878	27.725	45.8	25.286	90.4	1500.5	44394.1	1.9
2700.0	2666.6	1.692	1.499	34.665	27.741	40.104	27.727	45.6	25.515	90.4	1501.3	45640.1	1.1
2750.0	2715.7	1.669	1.472	34.667	27.745	40.332	27.730	45.3	25.742	90.4	1502.0	46897.0	1.4
2800.0	2764.7	1.651	1.450	34.669	27.748	40.558	27.733	45.1	25.968	90.3	1502.8	48164.7	1.1
2850.0	2813.7	1.635	1.430	34.669	27.750	40.783	27.735	45.0	26.193	90.4	1503.6	49443.2	1.2
2900.0	2862.7	1.622	1.412	34.671	27.753	41.008	27.737	44.8	26.417	90.4	1504.4	50732.4	1.2
2950.0	2911.7	1.609	1.394	34.672	27.755	41.232	27.739	44.7	26.641	90.4	1505.2	52032.3	.1
3000.0	2960.7	1.595	1.376	34.674	27.758	41.458	27.742	44.5	26.865	90.3	1506.0	53342.9	4.0
3050.0	3009.7	1.583	1.360	34.674	27.759	41.681	27.743	44.5	27.087	90.3	1506.8	54664.0	-.7
3100.0	3058.6	1.570	1.342	34.676	27.762	41.905	27.746	44.3	27.309	90.3	1507.6	55995.8	.8
3150.0	3107.6	1.558	1.325	34.678	27.764	42.129	27.748	44.1	27.530	90.4	1508.4	57338.1	-.3
3200.0	3156.6	1.551	1.314	34.679	27.766	42.352	27.749	44.1	27.751	90.3	1509.2	58690.9	-.3
3250.0	3205.5	1.541	1.299	34.680	27.768	42.574	27.750	44.1	27.971	90.3	1510.0	60054.1	1.3
3300.0	3254.4	1.530	1.283	34.682	27.771	42.798	27.753	43.9	28.191	90.3	1510.8	61427.9	1.0
3350.0	3303.3	1.522	1.270	34.683	27.772	43.020	27.754	43.9	28.411	90.3	1511.6	62812.1	-.4
3400.0	3352.2	1.519	1.262	34.683	27.773	43.240	27.755	43.9	28.630	90.3	1512.5	64206.7	.5
3450.0	3401.1	1.510	1.249	34.685	27.775	43.461	27.756	43.8	28.849	90.3	1513.3	65611.7	.6
3500.0	3450.0	1.509	1.242	34.685	27.776	43.681	27.757	43.9	29.069	90.3	1514.1	67027.2	-.6
3550.0	3498.8	1.501	1.230	34.687	27.778	43.903	27.759	43.8	29.288	90.3	1515.0	68453.0	-.5
3600.0	3547.7	1.500	1.224	34.688	27.779	44.122	27.760	43.9	29.507	90.4	1515.8	69889.2	-.5
3650.0	3596.5	1.500	1.218	34.688	27.780	44.341	27.760	44.0	29.727	90.3	1516.7	71335.8	-1.3
3700.0	3645.4	1.500	1.213	34.689	27.781	44.560	27.760	44.1	29.947	90.3	1517.5	72792.9	-.4
3750.0	3694.2	1.501	1.208	34.689	27.782	44.778	27.761	44.2	30.167	90.3	1518.4	74260.3	-2.1
3800.0	3743.0	1.498	1.201	34.691	27.783	44.998	27.762	44.2	30.388	90.3	1519.2	75738.3	-.3
3850.0	3791.8	1.500	1.197	34.691	27.783	45.215	27.762	44.4	30.610	90.3	1520.1	77226.7	-.2
3900.0	3840.6	1.500	1.192	34.692	27.785	45.433	27.763	44.4	30.832	90.3	1521.0	78725.6	-.5
3950.0	3889.4	1.503	1.189	34.691	27.784	45.649	27.762	44.7	31.055	90.3	1521.8	80235.0	-.4
4000.0	3938.2	1.504	1.185	34.693	27.786	45.867	27.763	44.7	31.278	90.3	1522.7	81755.0	-1.0
4050.0	3986.9	1.507	1.182	34.693	27.786	46.083	27.763	44.8	31.502	90.3	1523.6	83285.6	.2
4100.0	4035.7	1.510	1.180	34.692	27.786	46.299	27.763	45.1	31.727	90.3	1524.4	84826.7	-.6
4150.0	4084.4	1.513	1.177	34.693	27.787	46.515	27.763	45.2	31.952	90.3	1525.3	86378.5	.6
4200.0	4133.1	1.516	1.174	34.693	27.787	46.731	27.763	45.3	32.179	90.3	1526.2	87941.0	-1.1
4250.0	4181.9	1.520	1.173	34.693	27.787	46.946	27.763	45.6	32.406	90.2	1527.1	89514.2	-.2
4300.0	4230.5	1.525	1.172	34.694	27.788	47.161	27.763	45.7	32.634	90.2	1528.0	91098.1	2.5
4350.0	4279.3	1.530	1.171	34.693	27.788	47.375	27.762	46.0	32.863	90.2	1528.9	92692.8	-.6
4370.0	4298.7	1.531	1.170	34.694	27.788	47.461	27.762	46.0	32.955	90.2	1529.2	93333.8	.0

Station 31 Latitude 32° 05.82'N Longitude 128° 16.92'W 25 Aug 1989 GMT 14:23 Bottom 4400 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.722	19.722	33.707	23.849	23.849	23.849	404.4	.000	89.8	1519.8	.0	.0
10.0	10.0	19.719	19.717	33.707	23.851	23.894	23.850	404.7	.405	89.8	1520.0	2.0	-.4
20.0	19.9	19.724	19.720	33.707	23.850	23.937	23.849	405.1	.809	89.8	1520.2	8.1	.6
30.0	29.9	19.728	19.722	33.709	23.851	23.981	23.849	405.4	1.215	89.8	1520.4	18.2	3.1
40.0	39.9	19.883	19.876	33.877	23.939	24.112	23.937	397.4	1.618	89.8	1521.1	32.3	36.1
50.0	49.8	19.854	19.845	33.890	23.957	24.173	23.954	396.1	2.014	89.9	1521.2	50.4	12.4
60.0	59.8	19.548	19.537	33.930	24.067	24.327	24.064	385.9	2.408	89.8	1520.6	72.4	340.0
70.0	69.8	17.999	17.987	33.997	24.508	24.813	24.505	344.1	2.772	89.8	1516.4	98.3	185.8
80.0	79.7	17.264	17.251	33.999	24.687	25.037	24.684	327.3	3.107	89.9	1514.4	127.6	118.0
90.0	89.7	17.130	17.115	34.139	24.827	25.221	24.824	314.3	3.428	90.0	1514.4	160.1	120.4
100.0	99.7	17.048	17.031	34.261	24.941	25.377	24.937	303.8	3.737	90.0	1514.4	195.8	100.8
110.0	109.6	16.699	16.681	34.294	25.049	25.529	25.044	293.9	4.036	90.0	1513.6	234.5	62.9
120.0	119.6	16.472	16.452	34.325	25.125	25.650	25.121	286.9	4.326	90.1	1513.1	276.1	94.2
130.0	129.5	15.562	15.542	34.202	25.238	25.809	25.234	276.2	4.608	90.3	1510.3	320.6	182.8
140.0	139.5	14.360	14.340	34.003	25.346	25.965	25.342	266.0	4.878	90.4	1506.4	367.8	98.6
150.0	149.4	13.563	13.542	33.873	25.411	26.076	25.407	259.9	5.141	90.5	1503.8	417.7	78.5
160.0	159.4	13.107	13.085	33.853	25.488	26.198	25.483	252.8	5.397	90.5	1502.4	470.1	89.8
170.0	169.3	12.370	12.348	33.813	25.601	26.359	25.597	242.0	5.645	90.6	1500.0	525.0	116.4
180.0	179.3	11.755	11.732	33.776	25.689	26.493	25.685	233.8	5.883	90.6	1498.0	582.4	70.9
190.0	189.2	10.990	10.967	33.740	25.801	26.653	25.796	223.1	6.112	90.7	1495.4	642.0	87.4
200.0	199.2	10.290	10.266	33.728	25.914	26.813	25.910	212.3	6.331	90.8	1493.1	703.9	164.6
210.0	209.1	9.975	9.951	33.794	26.019	26.965	26.015	202.4	6.537	90.7	1492.2	767.8	78.1
220.0	219.0	9.634	9.610	33.845	26.116	27.108	26.112	193.3	6.735	90.7	1491.1	833.8	99.7
230.0	229.0	9.541	9.516	33.868	26.149	27.187	26.145	190.3	6.927	90.7	1491.0	901.7	84.2
240.0	238.9	9.249	9.223	33.897	26.220	27.304	26.215	183.7	7.113	90.7	1490.1	971.5	37.3
250.0	248.9	9.004	8.977	33.917	26.275	27.405	26.270	178.6	7.294	90.7	1489.4	1043.1	58.9
260.0	258.8	8.781	8.754	33.943	26.330	27.507	26.325	173.5	7.470	90.7	1488.7	1116.4	4.1
270.0	268.7	8.566	8.538	33.958	26.375	27.598	26.370	169.3	7.642	90.7	1488.1	1191.5	58.0
280.0	278.7	8.441	8.412	33.966	26.400	27.670	26.396	166.9	7.810	90.7	1487.8	1268.2	46.5
290.0	288.6	8.278	8.249	33.986	26.441	27.757	26.436	163.2	7.975	90.7	1487.4	1346.6	44.8
300.0	298.5	8.111	8.080	33.994	26.472	27.834	26.468	160.3	8.136	90.7	1486.9	1426.6	9.0
310.0	308.5	8.065	8.034	33.996	26.480	27.888	26.476	159.7	8.296	90.6	1486.9	1508.2	23.7
320.0	318.4	7.914	7.882	33.998	26.505	27.959	26.500	157.4	8.455	90.6	1486.5	1591.4	15.1
330.0	328.3	7.780	7.747	34.005	26.529	28.030	26.525	155.2	8.611	90.6	1486.2	1676.2	22.7
340.0	338.3	7.613	7.580	34.004	26.553	28.100	26.549	153.0	8.765	90.6	1485.7	1762.4	16.6
350.0	348.2	7.439	7.406	34.003	26.577	28.171	26.572	150.8	8.917	90.6	1485.2	1850.2	23.3
360.0	358.1	7.217	7.183	34.002	26.607	28.248	26.603	147.9	9.066	90.5	1484.5	1939.5	22.9
370.0	368.0	7.044	7.010	33.997	26.628	28.316	26.623	146.0	9.213	90.5	1483.9	2030.2	28.2
380.0	378.0	6.857	6.822	34.000	26.655	28.390	26.651	143.4	9.358	90.5	1483.4	2122.4	40.1
390.0	387.9	6.682	6.646	33.994	26.674	28.456	26.669	141.6	9.500	90.5	1482.8	2216.0	18.4
400.0	397.8	6.589	6.553	33.994	26.687	28.515	26.682	140.5	9.641	90.5	1482.6	2311.0	16.1
410.0	407.7	6.434	6.398	34.000	26.712	28.588	26.707	138.1	9.781	90.5	1482.2	2407.4	21.0
420.0	417.7	6.355	6.317	34.004	26.726	28.647	26.721	136.9	9.918	90.5	1482.0	2505.1	26.9
430.0	427.6	6.261	6.223	34.014	26.746	28.714	26.741	135.0	10.054	90.4	1481.8	2604.2	15.2
440.0	437.5	6.159	6.121	34.027	26.768	28.784	26.764	132.9	10.188	90.6	1481.6	2704.7	28.3
450.0	447.4	6.091	6.052	34.037	26.785	28.847	26.780	131.4	10.320	90.5	1481.5	2806.4	2.5
460.0	457.4	6.044	6.004	34.056	26.806	28.914	26.801	129.5	10.451	90.5	1481.5	2909.5	24.2
470.0	467.3	6.011	5.970	34.069	26.821	28.975	26.816	128.2	10.579	90.5	1481.6	3013.8	5.5
480.0	477.2	5.963	5.921	34.080	26.835	29.035	26.830	126.9	10.707	90.5	1481.5	3119.4	16.9
490.0	487.1	5.944	5.902	34.091	26.847	29.092	26.842	125.9	10.833	90.4	1481.6	3226.2	11.9
500.0	497.0	5.895	5.852	34.108	26.867	29.158	26.861	124.2	10.959	90.4	1481.6	3334.3	30.7
510.0	507.0	5.793	5.749	34.117	26.887	29.225	26.881	122.3	11.082	90.4	1481.4	3443.6	18.4
520.0	516.9	5.719	5.674	34.127	26.903	29.288	26.898	120.8	11.203	90.4	1481.3	3554.1	24.8
530.0	526.8	5.633	5.589	34.134	26.919	29.351	26.914	119.3	11.323	90.4	1481.1	3665.8	20.1
540.0	536.7	5.612	5.567	34.150	26.935	29.412	26.929	118.0	11.442	90.4	1481.2	3778.7	23.6
550.0	546.6	5.511	5.465	34.161	26.956	29.480	26.950	116.0	11.558	90.4	1481.0	3892.7	3.1
560.0	556.5	5.453	5.406	34.168	26.969	29.539	26.963	114.8	11.673	90.4	1480.9	4007.9	24.2
570.0	566.5	5.339	5.292	34.167	26.981	29.599	26.976	113.6	11.787	90.5	1480.6	4124.2	6.3
580.0	576.4	5.186	5.139	34.163	26.996	29.661	26.990	112.2	11.900	90.4	1480.1	4241.6	-.2
590.0	586.3	5.016	4.969	34.158	27.012	29.726	27.006	110.5	12.012	90.4	1479.6	4360.2	21.8
600.0	596.2	4.892	4.845	34.159	27.027	29.788	27.021	109.1	12.122	90.4	1479.2	4479.8	12.1
610.0	606.1	4.857	4.808	34.157	27.028	29.836	27.023	108.9	12.230	90.4	1479.3	4600.5	.4
620.0	616.0	4.796	4.747	34.166	27.043	29.897	27.038	107.6	12.339	90.4	1479.2	4722.2	.7
630.0	625.9	4.745	4.696	34.169	27.051	29.952	27.046	106.8	12.446	90.4	1479.1	4845.1	14.7
640.0	635.8	4.598	4.549	34.172	27.069	30.019	27.064	105.0	12.552	90.5	1478.7	4968.9	20.5
650.0	645.8	4.559	4.509	34.178	27.078	30.074	27.073	104.2	12.657	90.4	1478.7	5093.8	16.7
660.0	655.7	4.506	4.456	34.192	27.095	30.137	27.090	102.6	12.760	90.4	1478.7	5219.8	14.1
670.0	665.6	4.482	4.431	34.206	27.110	30.198	27.104	101.4	12.862	90.4	1478.8	5346.7	5.3
680.0	675.5	4.435	4.384	34.217	27.123	30.258	27.117	100.1	12.963	90.5	1478.7	5474.7	15.6
690.0	685.4	4.384	4.332	34.228	27.138	30.319	27.132	98.8	13.063	90.3	1478.7	5603.6	8.2
700.0	695.3	4.367	4.314	34.235	27.144	30.372	27.139	98.2	13.161	90.4	1478.8	5733.5	12.6
710.0	705.2	4.335	4.281	34.247	27.158	30.431	27.152	97.0	13.259	90.4	1478.9	5864.4	5.3
720.0	715.1	4.310	4.255	34.258	27.169	30.489	27.164	96.0	13.356	90.4	1478.9	5996.2	8.3
730.0	725.0	4.302	4.247	34.273	27.182	30.548	27.176	94.9	13.451	90.4	1479.1	6129.0	15.6
740.0	734.9	4.239	4.183	34.284	27.197	30.610	27.191	93.4	13.545	90.4	1479.0	6262.7	9.4
750.0	744.8	4.220	4.163	34.294	27.208	30.666	27.202	92.5	13.639	90.4	1479.1	6397.3	18.5
760.0	754.7	4.190	4.133	34.308	27.222	30.726	27.216	91.2	13.730	90.4	1479.2	6532.8	8.9
770.0	764.6	4.173	4.115	34.317	27.231	30.781	27.225	90.5	13.821	90.4	1479.3	6669.2	11.2
780.0	774.5	4.152	4.094	34.326	27.241	30.837	27.235	89.6	13.911	90.4	1479.4	6806.6	4.8
790.0	784.4	4.131	4.072	34.333	27.248	30.891	27.242	89.0	14.000	90.4	1479.4	6944.7	7.4
800.0	794.3	4.117	4.057	34.344	27.258	30.947	27.252	88.1	14.089	90.3	1479.6	7083.8	9.5
810.0	804.2	4.091	4.031	34.351	27.267	31.002	27.260	87.3	14.177	90.3	1479.6	7223.7	8.3
820.0	814.1	4.067	4.005	34.361	27.277	31.058	27.271	86.4	14.264	90.4	1479.7	7364.5	6.0
830.0	824.0	4.047	3.985	34.365	27.282	31.110	27.276	86.0	14.350	90.3	1479.8	7506.2	6.3
840.0	833.9	4.029	3.966	34.368	27.287	31.160	27.280	85.6	14.436	90.4	1479.9	7648.6	10.9
850.0	843.8	4.010	3.947	34.374	27.293	31.213	27.287	85.1	14.521	90.4	1480.0	7792.0	6.3
860.0	853.7	3.986	3.922	34.380	27.301	31.267	27.295	84.3	14.606	90.3	1480.0	7936.1	9.2
870.0	863.6	3.966	3.901	34.388	27.309	31.321	27.303	83.6	14.690	90.4	1480.1	8081.1	13.9
880.0	873.5	3.930	3.864	34.397	27.320	31.378	27.314	82.6	14.773	90.3	1480.2	8226.9	3.9
890.0	883.4	3.904	3.838	34.402	27.327	31.431	27.320	82.0	14.855	90.3	1480.2	8373.5	6.6
900.0	893.3	3.886	3.819	34.408	27.334	31.485	27.327	81.4	14.937	90.3	1480.3	8520.9	5.1
910.0	903.2	3.860	3.793	34.413	27.340	31.537	27.333	80.9	15.018	90.3	1480.4	8669.1	4.2
920.0	913.1	3.836	3.768	34.421	27.349	31.592	27.342	80.1	15.099	90.4	1480.5	8818.1	1.9
930.0	923.0	3.810	3.742	34.427	27.357	31.646	27.350	79.4	15.178	90.3	1480.5	8967.9	-.4
940.0	932.9	3.802	3.733	34.430	27.360	31.694	27.353	79.2	15.258	90.3	1480.7	9118.5	4.8
950.0	942.8	3.768	3.698	34.436	27.368	31.749	27.361	78.4	15.337	90.3	1480.7	9269.8	9.8
960.0	952.7	3.748	3.677	34.438	27.372	31.800	27.365	78.1	15.415	90.3	1480.8	9421.9	2.8
970.0	962.6	3.716	3.644	34.443	27.379	31.853	27.372	77.5	15.493	90.4	1480.8	9574.8	2.2
980.0	972.5	3.688	3.616	34.447	27.385	31.905	27.378	76.9	15.570	90.3	1480.9	9728.4	9.5
990.0	982.3	3.667	3.595	34.452	27.392	31.958	27.384	76.3	15.647	90.3	1480.9	9882.8	3.4

Station 31 Latitude 32° 05.82'N Longitude 128° 16.92'W 25 Aug 1989 GMT 14:23 Bottom 4400 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.3	3.658	3.585	34.453	27.393	32.006	27.386	76.2	15.723	90.4	1481.1	10038.0	2.5
1020.0	1012.0	3.612	3.538	34.460	27.403	32.108	27.396	75.4	15.874	90.3	1481.2	10350.5	3.7
1040.0	1031.8	3.552	3.476	34.468	27.416	32.213	27.408	74.2	16.024	90.3	1481.3	10665.9	9.0
1060.0	1051.6	3.525	3.448	34.476	27.424	32.314	27.417	73.5	16.172	90.3	1481.5	10984.3	5.8
1080.0	1071.3	3.483	3.405	34.481	27.433	32.415	27.426	72.8	16.318	90.3	1481.7	11305.5	6.1
1100.0	1091.1	3.442	3.363	34.489	27.443	32.517	27.435	71.9	16.463	90.5	1481.8	11629.6	7.3
1120.0	1110.9	3.399	3.318	34.495	27.452	32.619	27.445	71.0	16.605	90.2	1482.0	11956.4	4.9
1140.0	1130.7	3.356	3.274	34.501	27.462	32.720	27.454	70.2	16.747	90.3	1482.2	12286.1	2.6
1160.0	1150.4	3.317	3.234	34.508	27.471	32.821	27.463	69.4	16.887	90.3	1482.3	12618.5	5.2
1180.0	1170.2	3.287	3.202	34.512	27.477	32.919	27.469	69.0	17.025	90.3	1482.5	12953.6	.9
1200.0	1189.9	3.237	3.151	34.514	27.483	33.019	27.475	68.3	17.162	90.3	1482.7	13291.4	1.7
1220.0	1209.7	3.198	3.111	34.519	27.491	33.119	27.483	67.6	17.298	90.3	1482.8	13631.9	2.9
1240.0	1229.5	3.170	3.081	34.523	27.497	33.216	27.489	67.2	17.433	90.3	1483.0	13975.0	3.8
1260.0	1249.2	3.129	3.039	34.529	27.506	33.318	27.498	66.3	17.568	90.3	1483.2	14320.7	9.7
1280.0	1269.0	3.102	3.011	34.530	27.509	33.413	27.500	66.1	17.700	90.3	1483.4	14669.1	3.0
1300.0	1288.7	3.067	2.975	34.534	27.515	33.511	27.507	65.6	17.832	90.3	1483.6	15020.0	2.7
1320.0	1308.5	3.032	2.939	34.538	27.522	33.610	27.514	64.9	17.962	90.3	1483.8	15373.5	3.9
1340.0	1328.2	2.998	2.903	34.542	27.528	33.708	27.520	64.4	18.092	90.4	1484.0	15729.5	5.3
1360.0	1348.0	2.967	2.871	34.546	27.534	33.806	27.525	63.9	18.220	90.3	1484.2	16088.0	5.1
1380.0	1367.7	2.929	2.831	34.550	27.541	33.905	27.532	63.3	18.347	90.3	1484.4	16449.0	3.9
1400.0	1387.5	2.892	2.794	34.555	27.549	34.005	27.540	62.6	18.473	90.3	1484.6	16812.4	3.9
1420.0	1407.2	2.865	2.766	34.559	27.554	34.102	27.545	62.1	18.598	90.3	1484.8	17178.3	1.6
1440.0	1426.9	2.819	2.718	34.562	27.561	34.202	27.552	61.4	18.721	90.3	1484.9	17546.6	1.3
1460.0	1446.7	2.780	2.678	34.563	27.565	34.298	27.556	61.0	18.844	90.3	1485.1	17917.3	3.3
1480.0	1466.4	2.741	2.637	34.566	27.571	34.397	27.562	60.4	18.965	90.3	1485.3	18290.4	4.5
1500.0	1486.2	2.722	2.617	34.570	27.576	34.493	27.567	60.0	19.085	90.3	1485.5	18665.8	2.8
1520.0	1505.9	2.694	2.588	34.572	27.581	34.589	27.571	59.7	19.205	90.3	1485.7	19043.6	.7
1540.0	1525.6	2.660	2.553	34.576	27.586	34.687	27.577	59.1	19.324	90.3	1485.9	19423.6	1.6
1560.0	1545.3	2.622	2.513	34.579	27.592	34.785	27.583	58.6	19.442	90.3	1486.1	19806.0	5.5
1580.0	1565.1	2.581	2.471	34.581	27.597	34.883	27.588	58.0	19.558	90.3	1486.2	20190.6	.5
1600.0	1584.8	2.564	2.452	34.584	27.602	34.978	27.592	57.7	19.674	90.3	1486.5	20577.5	3.4
1620.0	1604.5	2.533	2.421	34.586	27.605	35.074	27.596	57.4	19.789	90.3	1486.7	20966.6	4.6
1640.0	1624.2	2.516	2.402	34.588	27.609	35.168	27.599	57.1	19.903	90.3	1487.0	21357.9	2.6
1660.0	1643.9	2.480	2.365	34.590	27.614	35.265	27.604	56.6	20.017	90.3	1487.2	21751.5	1.1
1680.0	1663.7	2.448	2.331	34.592	27.618	35.362	27.608	56.2	20.130	90.3	1487.3	22147.2	1.4
1700.0	1683.4	2.432	2.315	34.596	27.622	35.457	27.612	55.8	20.242	90.2	1487.6	22545.2	3.5
1720.0	1703.1	2.408	2.289	34.598	27.626	35.553	27.616	55.5	20.353	90.2	1487.9	22945.3	2.0
1740.0	1722.8	2.369	2.249	34.599	27.630	35.649	27.621	55.0	20.463	90.3	1488.0	23347.5	2.6
1760.0	1742.5	2.353	2.232	34.602	27.634	35.744	27.624	54.7	20.573	90.3	1488.3	23751.8	2.9
1780.0	1762.2	2.329	2.205	34.604	27.638	35.839	27.627	54.4	20.682	90.3	1488.5	24158.3	2.7
1800.0	1781.9	2.309	2.185	34.606	27.642	35.934	27.631	54.1	20.791	90.2	1488.8	24566.9	.9
1820.0	1801.6	2.299	2.173	34.609	27.645	36.028	27.634	53.8	20.899	90.3	1489.1	24977.6	5.0
1840.0	1821.3	2.269	2.142	34.610	27.648	36.123	27.638	53.5	21.006	90.2	1489.3	25390.4	1.8
1860.0	1841.0	2.244	2.115	34.613	27.653	36.219	27.642	53.1	21.113	90.3	1489.5	25805.2	1.8
1880.0	1860.7	2.215	2.085	34.615	27.656	36.315	27.646	52.7	21.218	90.3	1489.7	26222.1	3.3
1900.0	1880.4	2.195	2.064	34.617	27.659	36.409	27.649	52.4	21.323	90.2	1490.0	26641.0	1.0
1920.0	1900.1	2.178	2.046	34.618	27.662	36.503	27.652	52.1	21.428	90.3	1490.2	27061.9	3.1
1940.0	1919.8	2.170	2.036	34.620	27.664	36.596	27.653	52.0	21.532	90.2	1490.5	27484.8	-.1
1960.0	1939.5	2.136	2.000	34.621	27.669	36.692	27.658	51.6	21.636	90.4	1490.7	27909.8	5.7
1980.0	1959.2	2.115	1.979	34.622	27.671	36.785	27.660	51.4	21.739	90.3	1491.0	28336.8	2.8
2000.0	1978.8	2.100	1.962	34.625	27.674	36.879	27.663	51.1	21.841	90.2	1491.2	28765.7	2.5
2050.0	2028.0	2.044	1.903	34.628	27.682	37.115	27.670	50.3	22.095	90.2	1491.8	29846.6	2.0
2100.0	2077.2	2.004	1.859	34.632	27.688	37.349	27.677	49.8	22.345	90.2	1492.5	30939.6	.6
2150.0	2126.4	1.974	1.825	34.637	27.694	37.581	27.683	49.3	22.593	90.2	1493.2	32044.7	2.6
2200.0	2175.6	1.939	1.786	34.640	27.700	37.813	27.688	48.8	22.838	90.3	1493.9	33161.6	2.4
2250.0	2224.7	1.911	1.754	34.643	27.705	38.044	27.692	48.5	23.081	90.2	1494.6	34290.2	2.7
2300.0	2273.9	1.876	1.716	34.646	27.710	38.275	27.698	48.0	23.322	90.2	1495.3	35430.4	.1
2350.0	2323.0	1.850	1.686	34.648	27.714	38.505	27.702	47.6	23.561	90.2	1496.1	36582.2	1.3
2400.0	2372.1	1.821	1.653	34.651	27.719	38.736	27.706	47.2	23.798	90.2	1496.8	37745.4	-.1
2450.0	2421.3	1.799	1.627	34.653	27.723	38.964	27.710	47.0	24.033	90.2	1497.5	38919.9	1.4
2500.0	2470.4	1.773	1.597	34.655	27.727	39.193	27.713	46.6	24.267	90.3	1498.3	40105.7	.3
2550.0	2519.4	1.750	1.570	34.658	27.730	39.422	27.717	46.3	24.499	90.3	1499.0	41302.6	-.8
2600.0	2568.5	1.728	1.543	34.659	27.734	39.649	27.720	46.1	24.730	90.3	1499.8	42510.6	1.3
2650.0	2617.6	1.707	1.518	34.662	27.738	39.877	27.724	45.8	24.960	90.3	1500.5	43729.7	.4
2700.0	2666.6	1.686	1.493	34.664	27.741	40.104	27.727	45.6	25.188	90.2	1501.3	44959.7	.2
2750.0	2715.7	1.670	1.472	34.665	27.744	40.330	27.729	45.4	25.416	90.3	1502.0	46200.6	-.4
2800.0	2764.7	1.653	1.452	34.667	27.747	40.557	27.732	45.2	25.642	90.2	1502.8	47452.4	-.3
2850.0	2813.7	1.640	1.435	34.668	27.749	40.781	27.734	45.1	25.868	90.3	1503.6	48714.9	.9
2900.0	2862.8	1.625	1.415	34.670	27.751	41.007	27.736	44.9	26.093	90.3	1504.4	49988.2	.4
2950.0	2911.7	1.609	1.395	34.671	27.754	41.231	27.738	44.8	26.317	90.2	1505.2	51272.3	-1.1
3000.0	2960.7	1.596	1.377	34.673	27.756	41.456	27.740	44.6	26.541	90.2	1506.0	52567.0	2.5
3050.0	3009.7	1.588	1.364	34.674	27.758	41.679	27.742	44.6	26.764	90.2	1506.8	53872.3	-1.3
3100.0	3058.7	1.577	1.348	34.675	27.760	41.903	27.744	44.5	26.987	90.2	1507.6	55188.3	1.7
3108.0	3066.5	1.576	1.346	34.674	27.760	41.938	27.743	44.6	27.022	90.2	1507.7	55399.9	.0

Station 32 Latitude 31° 52.31'N Longitude 128° 24.98'W 25 Aug 1989 GMT 17:38 Bottom 4425 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.883	19.883	33.762	23.849	23.849	23.849	404.4	.000	90.0	1520.4	.0	.0
10.0	10.0	19.889	19.887	33.762	23.848	23.892	23.848	404.9	.405	89.9	1520.5	2.0	-1.1
20.0	19.9	19.883	19.879	33.762	23.851	23.937	23.849	405.1	.810	89.9	1520.7	8.1	1.6
30.0	29.9	19.888	19.882	33.769	23.855	23.985	23.854	405.0	1.215	89.9	1520.9	18.2	80.0
40.0	39.9	19.962	19.955	33.939	23.966	24.139	23.964	394.8	1.612	89.9	1521.4	32.3	14.2
50.0	49.8	19.918	19.909	33.945	23.982	24.198	23.980	393.6	2.007	89.9	1521.5	50.3	24.7
60.0	59.8	18.838	18.827	34.025	24.320	24.581	24.318	361.7	2.391	89.8	1518.7	72.2	243.6
70.0	69.8	18.139	18.127	34.008	24.482	24.787	24.479	346.5	2.743	89.8	1516.9	97.8	163.3
80.0	79.7	17.191	17.178	33.907	24.635	24.984	24.632	332.3	3.081	89.9	1514.1	126.9	64.1
90.0	89.7	16.780	16.766	33.939	24.756	25.150	24.753	321.0	3.407	89.9	1513.1	159.2	105.7
100.0	99.7	16.556	16.540	33.961	24.825	25.263	24.822	314.7	3.723	90.0	1512.6	194.7	101.5
110.0	109.6	16.405	16.387	34.046	24.926	25.408	24.922	305.4	4.032	90.1	1512.4	233.3	101.2
120.0	119.6	16.830	16.810	34.295	25.019	25.544	25.014	297.0	4.333	90.0	1514.1	274.9	97.5
130.0	129.5	16.652	16.631	34.331	25.089	25.657	25.083	290.7	4.627	90.2	1513.8	319.5	47.1
140.0	139.5	15.234	15.213	34.141	25.264	25.880	25.260	274.0	4.911	90.4	1509.4	367.0	236.9
150.0	149.4	14.638	14.616	34.046	25.320	25.982	25.315	268.9	5.182	90.5	1507.5	417.2	70.8
160.0	159.4	13.916	13.894	34.004	25.440	26.148	25.435	257.6	5.445	90.6	1505.3	470.1	81.8
170.0	169.3	13.400	13.377	33.950	25.504	26.258	25.500	251.5	5.699	90.6	1503.7	525.5	135.0
180.0	179.3	12.715	12.691	33.887	25.592	26.393	25.587	243.3	5.945	90.7	1501.4	583.5	2.8
190.0	189.2	12.135	12.111	33.831	25.661	26.508	25.656	236.8	6.186	90.7	1499.6	643.8	116.6
200.0	199.2	11.396	11.371	33.772	25.753	26.648	25.748	228.0	6.419	90.7	1497.1	706.5	114.7
210.0	209.1	11.053	11.027	33.745	25.794	26.735	25.789	224.2	6.645	90.7	1496.0	771.4	54.3
220.0	219.1	10.152	10.127	33.743	25.949	26.940	25.945	209.3	6.863	90.8	1492.9	838.6	166.0
230.0	229.0	9.999	9.973	33.768	25.995	27.031	25.991	205.1	7.070	90.8	1492.5	907.8	48.9
240.0	238.9	9.784	9.757	33.826	26.076	27.159	26.072	197.5	7.271	90.8	1492.0	979.1	84.9
250.0	248.9	9.504	9.476	33.908	26.187	27.315	26.182	187.2	7.462	90.8	1491.2	1052.3	51.1
260.0	258.8	9.329	9.300	33.942	26.242	27.416	26.237	182.1	7.648	90.8	1490.8	1127.4	84.2
270.0	268.8	9.184	9.155	33.968	26.286	27.505	26.281	178.1	7.828	90.7	1490.4	1204.3	48.2
280.0	278.7	8.981	8.951	33.978	26.326	27.592	26.321	174.3	8.004	90.7	1489.9	1282.9	19.1
290.0	288.6	8.725	8.694	33.973	26.362	27.675	26.358	170.9	8.177	90.7	1489.1	1363.3	39.9
300.0	298.5	8.512	8.481	33.980	26.401	27.760	26.396	167.3	8.346	90.7	1488.4	1445.4	35.2
310.0	308.5	8.288	8.256	33.992	26.445	27.851	26.440	163.2	8.511	90.7	1487.8	1529.1	49.8
320.0	318.4	8.146	8.114	34.011	26.480	27.933	26.475	159.9	8.672	90.7	1487.4	1614.4	50.6
330.0	328.3	7.967	7.934	34.016	26.511	28.010	26.506	157.1	8.831	90.7	1486.9	1701.4	23.4
340.0	338.3	7.667	7.633	34.007	26.548	28.094	26.543	153.5	8.986	90.6	1485.9	1789.8	23.0
350.0	348.2	7.558	7.524	34.006	26.563	28.156	26.558	152.2	9.138	90.4	1485.6	1879.8	.4
360.0	358.1	7.454	7.420	34.006	26.577	28.216	26.572	150.9	9.290	90.6	1485.4	1971.3	9.2
370.0	368.1	7.258	7.222	33.999	26.600	28.285	26.594	148.8	9.440	90.5	1484.8	2064.3	33.2
380.0	378.0	7.058	7.022	33.998	26.627	28.360	26.622	146.3	9.587	90.6	1484.2	2158.7	8.3
390.0	387.9	6.946	6.909	33.998	26.642	28.422	26.637	144.9	9.733	90.5	1483.9	2254.6	18.2
400.0	397.8	6.756	6.719	33.997	26.667	28.494	26.662	142.5	9.876	90.5	1483.3	2351.9	9.7
410.0	407.8	6.614	6.576	33.996	26.685	28.559	26.680	140.8	10.018	90.4	1482.9	2450.7	19.9
420.0	417.7	6.449	6.411	33.999	26.709	28.630	26.704	138.5	10.158	90.4	1482.4	2550.8	19.9
430.0	427.6	6.309	6.271	34.012	26.737	28.705	26.732	135.8	10.295	90.3	1482.0	2652.3	31.3
440.0	437.5	6.127	6.089	34.012	26.761	28.777	26.756	133.6	10.430	90.3	1481.5	2755.1	16.6
450.0	447.5	6.029	5.990	34.015	26.776	28.838	26.771	132.2	10.563	90.3	1481.2	2859.3	16.6
460.0	457.4	5.834	5.794	34.015	26.800	28.910	26.795	129.8	10.694	90.3	1480.6	2964.7	37.1
470.0	467.3	5.748	5.708	34.035	26.826	28.983	26.821	127.4	10.823	90.3	1480.4	3071.5	36.5
480.0	477.2	5.687	5.647	34.053	26.848	29.051	26.844	125.4	10.949	90.3	1480.4	3179.4	10.4
490.0	487.1	5.625	5.584	34.054	26.856	29.106	26.852	124.7	11.074	90.3	1480.3	3288.7	12.1
500.0	497.1	5.459	5.418	34.052	26.875	29.172	26.870	122.8	11.198	90.3	1479.8	3399.1	18.3
510.0	507.0	5.408	5.366	34.059	26.887	29.230	26.882	121.8	11.320	90.3	1479.8	3510.8	9.5
520.0	516.9	5.343	5.300	34.069	26.902	29.292	26.897	120.4	11.441	90.2	1479.7	3623.7	12.1
530.0	526.8	5.283	5.240	34.071	26.911	29.348	26.906	119.6	11.561	90.3	1479.6	3737.8	13.6
540.0	536.7	5.205	5.161	34.083	26.929	29.413	26.924	117.9	11.680	90.3	1479.4	3853.0	15.9
550.0	546.7	5.044	5.000	34.082	26.948	29.479	26.942	116.1	11.797	90.3	1478.9	3969.4	15.0
560.0	556.6	4.960	4.916	34.095	26.967	29.545	26.962	114.2	11.913	90.4	1478.8	4087.0	15.3
570.0	566.5	4.894	4.849	34.108	26.986	29.610	26.980	112.6	12.026	90.4	1478.7	4205.6	29.6
580.0	576.4	4.850	4.805	34.125	27.003	29.674	26.999	110.9	12.138	90.3	1478.7	4325.4	17.9
590.0	586.3	4.751	4.705	34.124	27.014	29.732	27.009	109.9	12.248	90.4	1478.4	4446.3	7.6
600.0	596.2	4.708	4.661	34.141	27.033	29.797	27.028	108.2	12.357	90.4	1478.5	4568.3	10.0
610.0	606.1	4.650	4.603	34.153	27.048	29.859	27.043	106.8	12.465	90.4	1478.4	4691.3	10.9
620.0	616.0	4.614	4.566	34.166	27.063	29.920	27.057	105.5	12.571	90.3	1478.4	4815.4	9.7
630.0	626.0	4.581	4.533	34.175	27.074	29.978	27.069	104.4	12.676	90.3	1478.5	4940.5	7.6
640.0	635.9	4.524	4.475	34.185	27.088	30.038	27.082	103.2	12.780	90.3	1478.4	5066.6	15.5
650.0	645.8	4.513	4.463	34.198	27.100	30.096	27.094	102.2	12.882	90.3	1478.5	5193.8	12.3
660.0	655.7	4.474	4.424	34.205	27.109	30.152	27.104	101.3	12.984	90.4	1478.6	5321.9	15.3
670.0	665.6	4.427	4.376	34.215	27.122	30.211	27.117	100.1	13.084	90.4	1478.5	5451.1	13.8
680.0	675.5	4.400	4.348	34.222	27.131	30.266	27.125	99.3	13.184	90.4	1478.6	5581.2	12.3
690.0	685.4	4.372	4.319	34.236	27.145	30.327	27.140	98.0	13.283	90.3	1478.7	5712.3	11.2
700.0	695.3	4.346	4.293	34.248	27.158	30.385	27.152	96.9	13.380	90.3	1478.7	5844.4	8.2
710.0	705.2	4.329	4.275	34.256	27.165	30.439	27.160	96.3	13.477	90.4	1478.8	5977.5	8.5
720.0	715.1	4.296	4.242	34.268	27.179	30.499	27.173	95.1	13.572	90.5	1478.9	6111.4	8.0
730.0	725.0	4.275	4.220	34.275	27.187	30.553	27.181	94.4	13.667	90.4	1479.0	6246.3	13.2
740.0	735.0	4.237	4.181	34.286	27.199	30.612	27.194	93.2	13.761	90.3	1479.0	6382.2	9.1
750.0	744.8	4.207	4.150	34.295	27.209	30.668	27.204	92.3	13.854	90.3	1479.0	6518.9	3.9
760.0	754.8	4.194	4.137	34.303	27.218	30.722	27.212	91.6	13.946	90.4	1479.2	6656.6	13.2
770.0	764.7	4.169	4.111	34.313	27.228	30.779	27.222	90.7	14.037	90.3	1479.2	6795.2	2.1
780.0	774.6	4.146	4.088	34.324	27.239	30.836	27.233	89.7	14.127	90.3	1479.3	6934.6	14.4
790.0	784.5	4.132	4.073	34.329	27.244	30.888	27.238	89.3	14.217	90.3	1479.4	7074.9	4.5
800.0	794.4	4.115	4.055	34.334	27.251	30.940	27.244	88.8	14.306	90.4	1479.5	7216.1	5.4
810.0	804.3	4.092	4.031	34.345	27.262	30.996	27.255	87.8	14.394	90.3	1479.6	7358.2	17.7
820.0	814.2	4.075	4.014	34.353	27.270	31.051	27.263	87.1	14.481	90.3	1479.7	7501.2	9.2
830.0	824.1	4.054	3.991	34.360	27.278	31.106	27.272	86.3	14.568	90.3	1479.8	7645.0	6.3
840.0	834.0	4.031	3.969	34.367	27.286	31.159	27.279	85.7	14.654	90.3	1479.9	7789.6	11.5
850.0	843.9	4.002	3.938	34.375	27.295	31.215	27.289	84.8	14.739	90.3	1479.9	7935.1	8.0
860.0	853.8	3.975	3.911	34.383	27.304	31.270	27.298	84.1	14.824	90.3	1480.0	8081.4	12.7
870.0	863.7	3.951	3.886	34.389	27.312	31.324	27.306	83.3	14.908	90.3	1480.1	8228.5	10.4
880.0	873.6	3.931	3.866	34.395	27.319	31.377	27.312	82.8	14.991	90.4	1480.2	8376.5	7.2
890.0	883.5	3.914	3.848	34.401	27.325	31.429	27.319	82.2	15.073	90.3	1480.3	8525.3	12.1
900.0	893.3	3.886	3.819	34.409	27.334	31.485	27.327	81.4	15.155	90.3	1480.3	8674.8	9.8
910.0	903.3	3.859	3.792	34.416	27.343	31.540	27.336	80.6	15.236	90.4	1480.4	8825.2	9.5
920.0	913.1	3.831	3.763	34.421	27.350	31.593	27.343	80.0	15.316	90.4	1480.4	8976.4	11.6
930.0	923.0	3.808	3.740	34.427	27.357	31.646	27.350	79.4	15.396	90.3	1480.5	9128.3	6.6
940.0	932.9	3.771	3.702	34.432	27.365	31.701	27.358	78.6	15.475	90.3	1480.5	9281.0	7.2
950.0	942.8	3.749	3.680	34.437	27.371	31.752	27.364	78.2	15.554	90.3	1480.6	9434.5	10.1
960.0	952.7	3.724	3.654	34.441	27.377	31.805	27.370	77.6	15.631	90.4	1480.7	9588.8	12.2
970.0	962.6	3.699	3.628	34.447	27.384	31.858	27.377	77.0	15.709	90.3	1480.7	9743.8	10.4
980.0	972.5	3.673	3.601	34.452	27.391	31.911	27.383	76.4	15.785	90.4	1480.8	9899.6	9.2
990.0	982.4	3.652	3.580	34.456	27.396	31.963	27.389	75.9	15.861	90.4	1480.9	10056.1	6.9

Station 32 Latitude 31° 52.31'N Longitude 128° 24.98'W 25 Aug 1989 GMT 17:38 Bottom 4425 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.3	3.627	3.555	34.461	27.402	32.015	27.395	75.3	15.937	90.3	1480.9	10213.3	6.0
1020.0	1012.1	3.586	3.511	34.467	27.412	32.117	27.404	74.5	16.087	90.4	1481.1	10530.1	2.2
1040.0	1031.8	3.544	3.469	34.475	27.422	32.219	27.414	73.6	16.235	90.3	1481.3	10849.7	3.1
1060.0	1051.6	3.502	3.425	34.481	27.431	32.321	27.424	72.8	16.381	90.4	1481.4	11172.2	4.6
1080.0	1071.4	3.464	3.386	34.489	27.441	32.423	27.433	72.0	16.526	90.3	1481.6	11497.6	3.1
1100.0	1091.2	3.431	3.351	34.494	27.448	32.522	27.440	71.4	16.670	90.3	1481.8	11825.8	4.6
1120.0	1110.9	3.385	3.305	34.500	27.457	32.624	27.450	70.5	16.812	90.4	1482.0	12156.7	4.3
1140.0	1130.7	3.355	3.273	34.504	27.464	32.722	27.456	70.0	16.952	90.3	1482.2	12490.5	1.4
1160.0	1150.5	3.317	3.234	34.511	27.473	32.824	27.465	69.2	17.091	90.3	1482.3	12826.9	.5
1180.0	1170.2	3.282	3.197	34.515	27.480	32.923	27.472	68.6	17.229	90.4	1482.5	13166.1	4.1
1200.0	1190.0	3.238	3.152	34.520	27.487	33.023	27.479	68.0	17.366	90.3	1482.7	13507.9	6.4
1220.0	1209.8	3.215	3.128	34.527	27.496	33.123	27.488	67.2	17.501	90.3	1482.9	13852.4	3.5
1240.0	1229.5	3.152	3.064	34.531	27.504	33.225	27.497	66.4	17.635	90.3	1483.0	14199.5	3.8
1260.0	1249.3	3.093	3.004	34.533	27.513	33.325	27.504	65.6	17.767	90.3	1483.1	14549.2	4.7
1280.0	1269.0	3.054	2.964	34.535	27.517	33.422	27.509	65.2	17.897	90.3	1483.2	14901.5	6.5
1300.0	1288.8	3.016	2.925	34.540	27.524	33.522	27.516	64.5	18.027	90.3	1483.4	15256.2	3.5
1320.0	1308.5	2.985	2.892	34.543	27.530	33.620	27.522	64.1	18.156	90.3	1483.6	15613.6	1.5
1340.0	1328.3	2.951	2.856	34.547	27.536	33.718	27.528	63.5	18.283	90.2	1483.8	15973.4	6.5
1360.0	1348.0	2.925	2.829	34.549	27.541	33.814	27.532	63.2	18.410	90.3	1484.0	16335.6	1.8
1380.0	1367.8	2.896	2.799	34.555	27.548	33.913	27.539	62.5	18.536	90.3	1484.2	16700.4	3.3
1400.0	1387.5	2.868	2.769	34.559	27.554	34.011	27.545	62.0	18.660	90.3	1484.5	17067.5	7.1
1420.0	1407.3	2.834	2.734	34.562	27.559	34.109	27.550	61.5	18.784	90.3	1484.6	17437.1	4.8
1440.0	1427.0	2.811	2.710	34.565	27.564	34.205	27.555	61.1	18.907	90.3	1484.9	17809.1	3.9
1460.0	1446.7	2.778	2.676	34.569	27.570	34.303	27.561	60.6	19.028	90.3	1485.1	18183.5	5.4
1480.0	1466.5	2.740	2.636	34.572	27.576	34.402	27.567	60.0	19.149	90.3	1485.3	18560.2	9.5
1500.0	1486.2	2.692	2.587	34.574	27.581	34.499	27.572	59.4	19.268	90.3	1485.4	18939.2	4.0
1520.0	1505.9	2.666	2.560	34.576	27.586	34.596	27.577	59.1	19.387	90.3	1485.6	19320.6	2.2
1540.0	1525.7	2.631	2.524	34.579	27.591	34.693	27.582	58.5	19.505	90.3	1485.8	19704.2	2.5
1560.0	1545.4	2.601	2.492	34.582	27.596	34.790	27.587	58.1	19.621	90.3	1486.0	20090.1	-.1
1580.0	1565.1	2.567	2.458	34.583	27.601	34.886	27.591	57.7	19.737	90.3	1486.2	20478.3	2.2
1600.0	1584.8	2.551	2.440	34.586	27.604	34.981	27.594	57.4	19.852	90.3	1486.5	20868.7	-.1
1620.0	1604.6	2.526	2.413	34.588	27.608	35.076	27.598	57.1	19.967	90.3	1486.7	21261.4	3.1
1640.0	1624.3	2.488	2.375	34.591	27.613	35.174	27.604	56.5	20.080	90.3	1486.9	21656.2	1.4
1660.0	1644.0	2.455	2.340	34.593	27.618	35.271	27.608	56.1	20.193	90.3	1487.0	22053.2	3.5
1680.0	1663.7	2.430	2.314	34.595	27.622	35.367	27.612	55.7	20.305	90.3	1487.3	22452.5	2.3
1700.0	1683.4	2.395	2.278	34.598	27.627	35.464	27.617	55.2	20.416	90.3	1487.5	22853.8	-.6
1720.0	1703.1	2.379	2.260	34.598	27.629	35.557	27.619	55.1	20.526	90.2	1487.7	23257.3	3.5
1740.0	1722.8	2.351	2.231	34.601	27.633	35.653	27.623	54.7	20.636	90.3	1487.9	23663.0	1.2
1760.0	1742.5	2.337	2.216	34.603	27.636	35.746	27.626	54.5	20.745	90.3	1488.2	24070.7	1.2
1780.0	1762.3	2.312	2.189	34.603	27.638	35.840	27.628	54.3	20.854	90.3	1488.4	24480.6	4.1
1800.0	1781.9	2.295	2.170	34.605	27.642	35.935	27.631	54.0	20.962	90.3	1488.7	24892.6	2.1
1820.0	1801.7	2.274	2.148	34.606	27.644	36.029	27.634	53.7	21.069	90.2	1489.0	25306.6	.6
1840.0	1821.3	2.252	2.125	34.611	27.650	36.126	27.640	53.2	21.177	90.3	1489.2	25722.7	2.7
1860.0	1841.1	2.235	2.107	34.612	27.653	36.220	27.642	53.0	21.283	90.3	1489.5	26140.9	-.2
1880.0	1860.8	2.201	2.071	34.614	27.657	36.316	27.647	52.5	21.388	90.2	1489.6	26561.1	4.5
1900.0	1880.4	2.186	2.055	34.617	27.661	36.411	27.650	52.2	21.493	90.3	1489.9	26983.4	3.0
1920.0	1900.1	2.154	2.022	34.617	27.663	36.505	27.653	51.9	21.597	90.3	1490.1	27407.7	3.1
1940.0	1919.8	2.145	2.012	34.619	27.666	36.598	27.655	51.8	21.701	90.3	1490.4	27834.0	4.0
1960.0	1939.5	2.128	1.993	34.621	27.669	36.693	27.658	51.5	21.804	90.3	1490.7	28262.3	3.4
1980.0	1959.2	2.110	1.973	34.623	27.672	36.787	27.661	51.2	21.907	90.3	1490.9	28692.5	3.4
2000.0	1978.9	2.086	1.947	34.626	27.676	36.883	27.666	50.8	22.009	90.3	1491.2	29124.8	3.4
2050.0	2028.1	2.042	1.901	34.629	27.682	37.116	27.671	50.3	22.261	90.3	1491.8	30213.9	-.1
2100.0	2077.3	2.004	1.859	34.632	27.688	37.348	27.676	49.8	22.511	90.2	1492.5	31315.2	1.1
2150.0	2126.5	1.975	1.826	34.637	27.694	37.581	27.683	49.3	22.759	90.3	1493.2	32428.4	2.4
2200.0	2175.6	1.941	1.789	34.639	27.699	37.813	27.688	48.8	23.004	90.2	1493.9	33553.5	3.6
2250.0	2224.8	1.909	1.752	34.642	27.705	38.044	27.692	48.4	23.247	90.3	1494.6	34690.4	2.1
2300.0	2273.9	1.876	1.715	34.647	27.711	38.276	27.698	47.9	23.488	90.2	1495.3	35838.8	.1
2350.0	2323.1	1.845	1.681	34.649	27.715	38.506	27.703	47.5	23.727	90.3	1496.0	36998.8	3.7
2400.0	2372.2	1.814	1.646	34.652	27.720	38.737	27.707	47.1	23.963	90.3	1496.7	38170.2	.8
2450.0	2421.3	1.788	1.615	34.654	27.724	38.966	27.711	46.7	24.198	90.2	1497.5	39352.8	-1.5
2500.0	2470.4	1.760	1.584	34.657	27.728	39.195	27.715	46.4	24.431	90.3	1498.2	40546.7	1.5
2550.0	2519.5	1.741	1.561	34.659	27.732	39.424	27.719	46.2	24.662	90.2	1499.0	41751.7	-.5
2600.0	2568.6	1.720	1.536	34.661	27.735	39.651	27.722	45.9	24.893	90.2	1499.7	42967.7	2.4
2650.0	2617.6	1.700	1.511	34.662	27.738	39.878	27.724	45.7	25.122	90.2	1500.5	44194.8	2.2
2700.0	2666.7	1.685	1.492	34.663	27.741	40.104	27.727	45.6	25.350	90.3	1501.3	45432.8	1.6
2750.0	2715.8	1.661	1.464	34.666	27.745	40.332	27.730	45.2	25.577	90.2	1502.0	46681.6	1.4
2800.0	2764.8	1.645	1.444	34.668	27.747	40.558	27.733	45.1	25.803	90.2	1502.8	47941.3	1.1
2850.0	2813.8	1.628	1.422	34.669	27.750	40.783	27.735	44.9	26.028	90.2	1503.6	49211.7	.3
2900.0	2862.8	1.615	1.405	34.670	27.752	41.008	27.737	44.8	26.252	90.2	1504.4	50492.9	1.5
2950.0	2911.8	1.604	1.390	34.671	27.754	41.232	27.739	44.7	26.476	90.2	1505.2	51784.7	.7
3000.0	2960.8	1.590	1.370	34.673	27.757	41.457	27.741	44.6	26.699	90.2	1505.9	53087.2	.7
3050.0	3009.8	1.577	1.354	34.674	27.760	41.681	27.743	44.4	26.921	90.2	1506.7	54400.3	1.1
3100.0	3058.8	1.563	1.334	34.676	27.762	41.906	27.745	44.3	27.143	90.2	1507.5	55724.0	-7.1
3112.0	3070.5	1.563	1.333	34.670	27.758	41.954	27.741	44.7	27.196	90.2	1507.7	56043.2	.0

Station 33 Latitude 31° 46.03'N Longitude 128° 10.30'W 25 Aug 1989 GMT 20:55 Bottom 4325 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.724	19.724	33.701	23.844	23.844	23.844	404.9	.000	90.1	1519.8	.0	.0
10.0	10.0	19.698	19.696	33.702	23.852	23.895	23.852	404.5	.405	90.0	1519.9	2.0	33.1
20.0	19.9	19.667	19.664	33.701	23.860	23.947	23.859	404.1	.809	90.0	1520.0	8.1	2.1
30.0	29.9	19.662	19.656	33.702	23.863	23.993	23.861	404.2	1.213	89.9	1520.2	18.2	2.8
40.0	39.9	19.649	19.641	33.713	23.875	24.048	23.873	403.5	1.617	89.9	1520.3	32.3	59.2
50.0	49.8	19.402	19.393	33.763	23.977	24.194	23.975	394.1	2.016	89.8	1519.8	50.4	268.2
60.0	59.8	19.111	19.100	34.089	24.301	24.561	24.298	363.6	2.396	89.8	1519.6	72.4	442.7
70.0	69.8	17.550	17.538	33.989	24.611	24.916	24.608	334.3	2.743	89.9	1515.1	98.0	193.6
80.0	79.7	16.869	16.856	33.930	24.728	25.078	24.725	323.4	3.070	90.0	1513.2	127.0	65.8
90.0	89.7	16.584	16.569	33.999	24.848	25.242	24.844	312.3	3.387	90.0	1512.5	159.1	65.2
100.0	99.7	16.373	16.357	34.034	24.924	25.362	24.920	305.4	3.696	90.0	1512.1	194.4	30.4
110.0	109.6	16.209	16.192	34.041	24.967	25.449	24.963	301.5	4.000	90.1	1511.8	232.7	115.5
120.0	119.6	16.449	16.429	34.208	25.041	25.566	25.036	294.9	4.297	90.2	1512.9	274.0	39.2
130.0	129.5	15.874	15.854	34.188	25.157	25.727	25.152	284.1	4.588	90.4	1511.2	318.3	157.1
140.0	139.5	15.067	15.046	34.084	25.257	25.873	25.252	274.7	4.867	90.4	1508.8	365.3	67.1
150.0	149.4	14.374	14.352	34.003	25.343	26.006	25.339	266.6	5.138	90.5	1506.6	415.1	108.5
160.0	159.4	13.883	13.860	33.943	25.399	26.108	25.395	261.4	5.402	90.7	1505.1	467.5	42.0
170.0	169.3	13.373	13.349	33.917	25.485	26.239	25.480	253.4	5.659	90.7	1503.5	522.6	17.3
180.0	179.3	12.303	12.279	33.815	25.617	26.419	25.612	240.8	5.908	90.8	1499.9	580.1	168.2
190.0	189.2	11.366	11.342	33.770	25.757	26.607	25.752	227.4	6.142	90.8	1496.8	640.0	93.9
200.0	199.2	10.760	10.736	33.771	25.866	26.764	25.862	217.1	6.364	90.8	1494.8	702.2	75.1
210.0	209.1	10.637	10.612	33.765	25.883	26.826	25.878	215.6	6.581	90.8	1494.5	766.6	18.8
220.0	219.1	10.202	10.177	33.803	25.987	26.977	25.983	205.7	6.792	90.8	1493.2	833.1	55.3
230.0	229.0	9.917	9.891	33.847	26.071	27.107	26.066	197.9	6.995	90.8	1492.3	901.6	113.9
240.0	238.9	9.617	9.590	33.855	26.127	27.209	26.122	192.7	7.190	90.8	1491.4	972.1	71.9
250.0	248.9	9.487	9.460	33.913	26.194	27.322	26.189	186.5	7.379	90.8	1491.2	1044.5	30.3
260.0	258.8	9.283	9.255	33.936	26.244	27.419	26.240	181.8	7.564	90.7	1490.6	1118.7	54.3
270.0	268.7	8.925	8.896	33.958	26.319	27.541	26.315	174.7	7.743	90.7	1489.5	1194.8	97.9
280.0	278.7	8.724	8.695	33.986	26.372	27.640	26.368	169.8	7.916	90.7	1488.9	1272.6	32.3
290.0	288.6	8.539	8.508	33.993	26.407	27.721	26.402	166.6	8.084	90.6	1488.4	1352.1	16.1
300.0	298.5	8.372	8.341	33.995	26.434	27.794	26.429	164.1	8.249	90.5	1487.9	1433.2	2.9
310.0	308.5	8.160	8.128	34.005	26.474	27.881	26.469	160.3	8.412	90.5	1487.3	1515.9	62.6
320.0	318.4	7.924	7.892	34.010	26.513	27.967	26.508	156.7	8.570	90.4	1486.6	1600.3	68.7
330.0	328.3	7.753	7.720	34.009	26.537	28.037	26.532	154.5	8.726	90.1	1486.1	1686.1	56.4
340.0	338.3	7.559	7.526	34.005	26.562	28.109	26.557	152.1	8.879	89.9	1485.5	1773.6	24.5
350.0	348.2	7.407	7.373	34.002	26.581	28.175	26.576	150.4	9.030	89.4	1485.0	1862.5	49.3
360.0	358.1	7.159	7.125	34.000	26.614	28.255	26.609	147.2	9.178	89.1	1484.2	1952.9	22.3
370.0	368.0	6.996	6.962	33.995	26.633	28.321	26.628	145.5	9.325	88.5	1483.7	2044.7	8.5
380.0	378.0	6.897	6.861	33.997	26.648	28.383	26.643	144.1	9.470	87.8	1483.5	2138.0	19.9
390.0	387.9	6.701	6.666	33.991	26.670	28.452	26.665	142.0	9.613	87.2	1482.9	2232.7	10.5
400.0	397.8	6.581	6.545	33.992	26.686	28.515	26.681	140.5	9.754	86.5	1482.6	2328.8	22.5
410.0	407.8	6.415	6.378	33.996	26.711	28.587	26.707	138.1	9.893	85.8	1482.1	2426.3	37.1
420.0	417.7	6.270	6.233	34.002	26.734	28.657	26.729	136.0	10.030	85.4	1481.7	2525.2	11.3
430.0	427.6	6.176	6.138	34.011	26.753	28.723	26.749	134.2	10.166	84.9	1481.5	2625.4	33.9
440.0	437.5	6.158	6.120	34.021	26.764	28.780	26.760	133.3	10.300	84.6	1481.6	2727.0	23.6
450.0	447.5	6.055	6.016	34.030	26.784	28.846	26.779	131.5	10.432	84.2	1481.4	2829.8	18.9
460.0	457.4	6.022	5.982	34.044	26.800	28.907	26.795	130.1	10.563	84.2	1481.4	2934.0	15.7
470.0	467.3	5.986	5.946	34.062	26.818	28.972	26.813	128.4	10.692	84.0	1481.4	3039.4	4.6
480.0	477.2	5.965	5.924	34.071	26.829	29.028	26.823	127.6	10.820	83.9	1481.5	3146.1	5.2
490.0	487.1	5.967	5.925	34.090	26.844	29.089	26.838	126.3	10.947	83.8	1481.7	3254.1	19.3
500.0	497.1	5.889	5.846	34.106	26.866	29.158	26.861	124.2	11.072	83.9	1481.6	3363.3	16.3
510.0	507.0	5.813	5.770	34.107	26.876	29.214	26.871	123.4	11.196	83.9	1481.5	3473.7	2.0
520.0	516.9	5.804	5.760	34.118	26.886	29.269	26.880	122.6	11.318	84.1	1481.6	3585.4	10.2
530.0	526.8	5.680	5.635	34.137	26.916	29.347	26.911	119.7	11.440	85.3	1481.3	3698.2	14.0
540.0	536.7	5.659	5.613	34.138	26.919	29.396	26.914	119.5	11.559	85.7	1481.4	3812.3	17.2
550.0	546.7	5.602	5.556	34.152	26.937	29.460	26.932	117.8	11.677	86.0	1481.3	3927.5	5.8
560.0	556.6	5.530	5.484	34.153	26.947	29.516	26.941	117.0	11.795	86.4	1481.2	4043.9	21.0
570.0	566.5	5.365	5.318	34.144	26.960	29.577	26.954	115.7	11.911	86.8	1480.7	4161.4	11.0
580.0	576.4	5.190	5.143	34.137	26.974	29.640	26.969	114.1	12.026	87.2	1480.1	4280.1	15.1
590.0	586.3	4.997	4.950	34.135	26.995	29.710	26.990	112.0	12.139	87.6	1479.5	4399.9	32.0
600.0	596.2	4.975	4.927	34.144	27.005	29.765	27.000	111.2	12.251	88.1	1479.6	4520.8	3.6
610.0	606.1	4.909	4.860	34.152	27.019	29.826	27.014	109.9	12.361	88.6	1479.5	4642.8	-.2
620.0	616.0	4.834	4.785	34.164	27.037	29.891	27.031	108.2	12.471	89.0	1479.3	4765.8	14.1
630.0	626.0	4.737	4.688	34.172	27.054	29.955	27.048	106.6	12.578	89.3	1479.1	4890.0	11.5
640.0	635.9	4.742	4.692	34.190	27.068	30.014	27.062	105.4	12.684	89.7	1479.3	5015.2	10.0
650.0	645.8	4.685	4.634	34.200	27.082	30.076	27.077	104.0	12.789	89.8	1479.3	5141.4	13.8
660.0	655.7	4.665	4.613	34.210	27.092	30.132	27.087	103.2	12.892	90.0	1479.4	5268.6	3.3
670.0	665.6	4.639	4.587	34.221	27.104	30.189	27.098	102.2	12.995	90.1	1479.4	5396.9	7.7
680.0	675.5	4.593	4.540	34.227	27.114	30.246	27.108	101.2	13.097	90.1	1479.4	5526.2	19.7
690.0	685.4	4.457	4.404	34.220	27.123	30.303	27.117	100.3	13.197	90.2	1479.0	5656.4	.1
700.0	695.3	4.445	4.391	34.225	27.128	30.354	27.122	99.9	13.298	90.2	1479.1	5787.7	14.4
710.0	705.2	4.423	4.368	34.232	27.137	30.409	27.131	99.1	13.397	90.3	1479.2	5919.9	11.2
720.0	715.1	4.399	4.344	34.238	27.144	30.462	27.138	98.5	13.496	90.3	1479.3	6053.1	4.8
730.0	725.0	4.377	4.321	34.248	27.154	30.519	27.148	97.6	13.594	90.3	1479.4	6187.3	17.4
740.0	735.0	4.391	4.334	34.264	27.165	30.575	27.159	96.7	13.691	90.3	1479.6	6322.4	17.7
750.0	744.8	4.359	4.301	34.274	27.177	30.633	27.171	95.6	13.787	90.3	1479.6	6458.5	10.6
760.0	754.8	4.328	4.271	34.282	27.187	30.689	27.181	94.8	13.882	90.4	1479.7	6595.5	16.2
770.0	764.7	4.264	4.205	34.291	27.200	30.750	27.194	93.5	13.976	90.3	1479.6	6733.5	11.8
780.0	774.6	4.255	4.196	34.298	27.207	30.802	27.201	92.9	14.069	90.3	1479.7	6872.4	4.5
790.0	784.5	4.247	4.187	34.313	27.220	30.861	27.214	91.8	14.162	90.3	1479.9	7012.1	13.9
800.0	794.4	4.228	4.168	34.324	27.231	30.918	27.225	90.9	14.253	90.3	1480.0	7152.8	8.9
810.0	804.3	4.180	4.119	34.329	27.240	30.973	27.233	90.0	14.344	90.4	1480.0	7294.4	10.4
820.0	814.2	4.176	4.114	34.343	27.252	31.031	27.245	89.0	14.433	90.4	1480.1	7436.9	5.1
830.0	824.1	4.118	4.056	34.343	27.258	31.084	27.252	88.4	14.522	90.4	1480.1	7580.2	9.2
840.0	834.0	4.068	4.005	34.346	27.265	31.138	27.259	87.7	14.610	90.3	1480.0	7724.4	9.2
850.0	843.9	4.081	4.017	34.360	27.275	31.194	27.269	86.9	14.697	90.3	1480.2	7869.4	14.8
860.0	853.8	4.080	4.015	34.373	27.286	31.250	27.279	86.0	14.783	90.4	1480.4	8015.3	10.1
870.0	863.7	4.046	3.981	34.377	27.293	31.303	27.286	85.4	14.869	90.4	1480.5	8162.1	7.8
880.0	873.6	4.004	3.938	34.385	27.303	31.359	27.296	84.4	14.954	90.4	1480.5	8309.7	9.8
890.0	883.5	3.988	3.921	34.391	27.310	31.412	27.303	83.8	15.038	90.4	1480.6	8458.1	5.7
900.0	893.4	3.970	3.902	34.399	27.318	31.466	27.311	83.1	15.122	90.3	1480.7	8607.3	16.6
910.0	903.3	3.953	3.885	34.404	27.324	31.518	27.317	82.6	15.204	90.5	1480.8	8757.4	10.7
920.0	913.2	3.904	3.836	34.412	27.335	31.576	27.328	81.6	15.286	90.4	1480.7	8908.2	12.2
930.0	923.0	3.875	3.806	34.421	27.345	31.633	27.338	80.6	15.367	90.4	1480.8	9059.9	9.0
940.0	932.9	3.830	3.761	34.422	27.351	31.685	27.344	80.1	15.448	90.3	1480.8	9212.3	10.7
950.0	942.8	3.806	3.735	34.426	27.357	31.737	27.349	79.6	15.528	90.4	1480.8	9365.6	7.2
960.0	952.7	3.775	3.704	34.432	27.364	31.791	27.357	78.9	15.607	90.4	1480.9	9519.6	2.8
970.0	962.6	3.759	3.687	34.434	27.368	31.841	27.361	78.6	15.685	90.4	1481.0	9674.4	12.5
980.0	972.5	3.736	3.664	34.442	27.376	31.895	27.369	77.9	15.764	90.3	1481.0	9829.9	3.4
990.0	982.4	3.726	3.653	34.444	27.379	31.944	27.372	77.6	15.841	90.4	1481.2	9986.2	5.2

Station 33 Latitude 31° 46.03'N Longitude 128° 10.30'W 25 Aug 1989 GMT 20:55 Bottom 4325 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.3	3.698	3.624	34.447	27.385	31.996	27.378	77.1	15.919	90.3	1481.2	10143.3	8.7
1020.0	1012.1	3.652	3.578	34.460	27.399	32.103	27.392	75.8	16.072	90.4	1481.4	10459.7	12.2
1040.0	1031.8	3.596	3.520	34.470	27.413	32.209	27.405	74.7	16.222	90.3	1481.5	10779.1	2.0
1060.0	1051.6	3.555	3.478	34.477	27.423	32.311	27.415	73.8	16.371	90.3	1481.7	11101.4	10.5
1080.0	1071.4	3.514	3.435	34.486	27.434	32.415	27.426	72.8	16.517	90.3	1481.8	11426.5	2.3
1100.0	1091.2	3.478	3.399	34.493	27.443	32.515	27.435	72.0	16.662	90.3	1482.0	11754.5	6.1
1120.0	1110.9	3.450	3.368	34.504	27.455	32.619	27.447	71.0	16.805	90.4	1482.2	12085.4	5.2
1140.0	1130.7	3.404	3.322	34.505	27.460	32.717	27.452	70.5	16.946	90.4	1482.4	12419.0	8.5
1160.0	1150.5	3.371	3.287	34.513	27.469	32.819	27.462	69.7	17.087	90.3	1482.6	12755.3	4.1
1180.0	1170.3	3.328	3.243	34.518	27.478	32.919	27.469	69.0	17.225	90.4	1482.7	13094.4	10.8
1200.0	1190.0	3.261	3.175	34.521	27.486	33.021	27.478	68.1	17.363	90.4	1482.8	13436.2	1.2
1220.0	1209.8	3.224	3.136	34.524	27.493	33.119	27.484	67.6	17.499	90.3	1482.9	13780.6	5.9
1240.0	1229.5	3.182	3.093	34.528	27.500	33.219	27.492	66.9	17.633	90.3	1483.1	14127.7	5.0
1260.0	1249.3	3.133	3.044	34.532	27.508	33.320	27.500	66.2	17.766	90.3	1483.2	14477.4	5.0
1280.0	1269.0	3.084	2.993	34.538	27.517	33.421	27.509	65.3	17.897	90.3	1483.4	14829.6	.3
1300.0	1288.8	3.039	2.947	34.540	27.523	33.520	27.514	64.8	18.027	90.3	1483.5	15184.4	1.8
1320.0	1308.5	3.013	2.920	34.545	27.529	33.618	27.521	64.2	18.156	90.3	1483.7	15541.8	4.7
1340.0	1328.3	2.981	2.886	34.548	27.535	33.716	27.527	63.7	18.284	90.3	1483.9	15901.6	4.5
1360.0	1348.0	2.931	2.836	34.551	27.541	33.815	27.533	63.1	18.411	90.3	1484.1	16263.9	2.4
1380.0	1367.8	2.906	2.809	34.555	27.547	33.912	27.539	62.6	18.537	90.3	1484.3	16628.6	3.0
1400.0	1387.5	2.879	2.780	34.558	27.552	34.009	27.544	62.2	18.662	90.3	1484.5	16995.8	2.7
1420.0	1407.3	2.856	2.756	34.560	27.556	34.104	27.547	61.9	18.786	90.3	1484.7	17365.4	1.3
1440.0	1427.0	2.823	2.722	34.563	27.561	34.202	27.553	61.4	18.909	90.4	1484.9	17737.5	4.2
1460.0	1446.7	2.773	2.671	34.564	27.567	34.300	27.558	60.9	19.031	90.3	1485.1	18111.9	1.9
1480.0	1466.5	2.762	2.658	34.567	27.571	34.395	27.561	60.6	19.153	90.3	1485.3	18488.7	2.5
1500.0	1486.2	2.735	2.630	34.569	27.574	34.490	27.565	60.3	19.274	90.3	1485.6	18867.8	2.2
1520.0	1505.9	2.705	2.598	34.573	27.580	34.588	27.571	59.8	19.394	90.3	1485.8	19249.3	.8
1540.0	1525.7	2.678	2.571	34.575	27.584	34.684	27.574	59.4	19.513	90.2	1486.0	19633.1	4.3
1560.0	1545.4	2.661	2.552	34.578	27.588	34.779	27.578	59.1	19.632	90.3	1486.3	20019.2	.8
1580.0	1565.1	2.622	2.512	34.580	27.594	34.877	27.584	58.6	19.750	90.3	1486.4	20407.6	3.1
1600.0	1584.8	2.597	2.485	34.583	27.598	34.973	27.588	58.2	19.866	90.3	1486.6	20798.3	-.1
1620.0	1604.6	2.572	2.460	34.585	27.602	35.068	27.592	57.9	19.982	90.2	1486.9	21191.2	.8
1640.0	1624.3	2.532	2.418	34.586	27.606	35.165	27.596	57.4	20.098	90.3	1487.0	21586.4	2.9
1660.0	1644.0	2.507	2.392	34.588	27.610	35.260	27.600	57.1	20.212	90.3	1487.3	21983.8	2.3
1680.0	1663.7	2.474	2.357	34.591	27.615	35.357	27.605	56.6	20.326	90.3	1487.5	22383.4	2.3
1700.0	1683.4	2.446	2.328	34.594	27.620	35.454	27.610	56.1	20.438	90.2	1487.7	22785.2	1.2
1720.0	1703.1	2.420	2.300	34.595	27.623	35.549	27.613	55.8	20.550	90.3	1487.9	23189.2	2.0
1740.0	1722.8	2.388	2.267	34.598	27.628	35.646	27.618	55.3	20.662	90.3	1488.1	23595.4	3.5
1760.0	1742.6	2.361	2.239	34.601	27.633	35.742	27.623	54.9	20.772	90.3	1488.3	24003.6	3.2
1780.0	1762.3	2.333	2.210	34.602	27.636	35.837	27.626	54.6	20.881	90.2	1488.5	24414.0	-.3
1800.0	1782.0	2.317	2.192	34.604	27.639	35.931	27.628	54.3	20.990	90.3	1488.8	24826.6	1.8
1820.0	1801.7	2.294	2.168	34.606	27.642	36.026	27.632	54.0	21.098	90.2	1489.0	25241.2	4.8
1840.0	1821.4	2.267	2.140	34.608	27.646	36.122	27.636	53.6	21.206	90.3	1489.3	25657.9	1.0
1860.0	1841.1	2.241	2.112	34.610	27.650	36.217	27.640	53.3	21.313	90.2	1489.5	26076.7	.7
1880.0	1860.8	2.218	2.088	34.612	27.654	36.312	27.644	52.9	21.419	90.2	1489.7	26497.5	-.2
1900.0	1880.5	2.189	2.058	34.614	27.658	36.408	27.648	52.5	21.524	90.2	1489.9	26920.4	1.6
1920.0	1900.2	2.156	2.024	34.617	27.663	36.505	27.652	52.0	21.629	90.2	1490.1	27345.3	1.9
1940.0	1919.8	2.132	1.999	34.618	27.666	36.599	27.656	51.7	21.733	90.3	1490.4	27772.2	1.3
1960.0	1939.5	2.112	1.977	34.620	27.669	36.694	27.659	51.4	21.836	90.2	1490.6	28201.1	.4
1980.0	1959.2	2.095	1.959	34.621	27.671	36.787	27.660	51.2	21.938	90.2	1490.9	28632.0	.5
2000.0	1978.9	2.076	1.939	34.624	27.675	36.882	27.664	50.9	22.040	90.3	1491.1	29064.8	1.1
2050.0	2028.1	2.040	1.898	34.629	27.682	37.116	27.671	50.3	22.293	90.3	1491.8	30155.5	.5
2100.0	2077.3	2.013	1.868	34.632	27.687	37.347	27.676	49.9	22.543	90.3	1492.5	31258.3	1.4
2150.0	2126.5	1.975	1.826	34.637	27.694	37.581	27.683	49.3	22.791	90.2	1493.2	32373.2	1.2
2200.0	2175.7	1.934	1.781	34.640	27.701	37.814	27.689	48.7	23.037	90.3	1493.9	33499.9	-.5
2250.0	2224.8	1.906	1.750	34.642	27.705	38.044	27.692	48.4	23.280	90.2	1494.6	34638.3	2.1
2300.0	2274.0	1.876	1.716	34.645	27.709	38.275	27.697	48.0	23.521	90.2	1495.3	35788.4	-.5
2350.0	2323.1	1.854	1.689	34.648	27.714	38.505	27.701	47.7	23.760	90.2	1496.1	36950.0	1.6
2400.0	2372.2	1.834	1.666	34.649	27.717	38.732	27.704	47.5	23.998	90.3	1496.8	38123.0	1.1
2450.0	2421.3	1.804	1.632	34.652	27.721	38.962	27.708	47.1	24.235	90.2	1497.5	39307.5	.0
2500.0	2470.4	1.773	1.596	34.651	27.723	39.190	27.710	47.0	24.469	90.2	1498.2	40503.2	2.4
2550.0	2519.5	1.747	1.567	34.659	27.731	39.422	27.718	46.3	24.701	90.3	1499.0	41710.1	.3
2600.0	2568.6	1.723	1.539	34.660	27.735	39.651	27.721	46.0	24.932	90.2	1499.7	42928.1	1.9
2650.0	2617.7	1.703	1.514	34.663	27.739	39.878	27.725	45.7	25.161	90.3	1500.5	44157.1	1.0
2700.0	2666.7	1.680	1.487	34.664	27.742	40.105	27.727	45.5	25.389	90.3	1501.2	45397.0	-.4
2750.0	2715.8	1.660	1.463	34.666	27.745	40.332	27.731	45.2	25.616	90.2	1502.0	46647.8	1.7
2800.0	2764.8	1.645	1.444	34.667	27.747	40.557	27.732	45.1	25.842	90.2	1502.8	47909.4	-.3
2850.0	2813.8	1.632	1.426	34.669	27.750	40.783	27.735	45.0	26.067	90.2	1503.6	49181.7	.3
2900.0	2862.8	1.617	1.407	34.671	27.753	41.008	27.737	44.8	26.291	90.1	1504.4	50464.8	.6
2950.0	2911.8	1.604	1.389	34.672	27.755	41.233	27.739	44.7	26.515	90.2	1505.2	51758.6	.7
3000.0	2960.8	1.592	1.373	34.673	27.757	41.457	27.741	44.6	26.738	90.2	1506.0	53063.0	1.0
3030.0	2990.2	1.586	1.364	34.674	27.758	41.591	27.742	44.5	26.872	90.2	1506.4	53850.7	.0

Station 34 Latitude 31° 58.36'N Longitude 128° 02.32'W 26 Aug 1989 GMT 00:15 Bottom 4150 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.822	19.822	33.746	23.853	23.853	23.853	404.0	.000	89.9	1520.2	.0	.0
10.0	10.0	19.829	19.827	33.746	23.852	23.895	23.852	404.5	.404	89.9	1520.4	2.0	11.5
20.0	19.9	19.751	19.747	33.739	23.867	23.954	23.867	403.4	.808	89.8	1520.3	8.1	.1
30.0	29.9	19.747	19.742	33.742	23.871	24.001	23.870	403.5	1.211	89.8	1520.4	18.1	5.2
40.0	39.9	19.736	19.729	33.786	23.908	24.081	23.906	400.3	1.614	89.8	1520.6	32.2	67.1
50.0	49.8	19.335	19.326	34.094	24.247	24.463	24.244	368.4	2.001	89.8	1520.0	50.3	527.9
60.0	59.8	17.554	17.544	34.046	24.653	24.915	24.650	329.9	2.349	90.0	1515.0	72.0	268.9
70.0	69.8	17.134	17.122	34.013	24.729	25.035	24.726	323.0	2.676	89.9	1513.9	97.0	80.5
80.0	79.7	16.928	16.915	34.092	24.838	25.188	24.835	312.9	2.994	90.2	1513.5	125.2	99.5
90.0	89.7	16.854	16.839	34.120	24.878	25.271	24.874	309.5	3.305	90.2	1513.5	156.6	74.4
100.0	99.7	16.520	16.503	34.096	24.937	25.375	24.934	304.1	3.612	90.1	1512.6	191.0	13.7
110.0	109.6	16.123	16.105	34.137	25.060	25.543	25.056	292.6	3.911	90.1	1511.6	228.5	33.8
120.0	119.6	16.032	16.013	34.142	25.085	25.612	25.081	290.6	4.202	90.2	1511.5	268.9	6.9
130.0	129.5	15.634	15.614	34.121	25.159	25.731	25.155	283.7	4.491	90.3	1510.4	312.1	239.3
140.0	139.5	14.957	14.936	34.053	25.256	25.873	25.251	274.7	4.768	90.4	1508.4	358.2	-2.9
150.0	149.4	14.023	14.002	33.941	25.370	26.033	25.365	264.0	5.039	90.5	1505.4	407.0	19.2
160.0	159.4	13.335	13.313	33.869	25.455	26.164	25.450	256.0	5.300	90.7	1503.2	458.5	-3.2
170.0	169.3	12.760	12.737	33.824	25.534	26.290	25.529	248.5	5.553	90.7	1501.4	512.4	54.4
180.0	179.3	12.270	12.247	33.819	25.626	26.428	25.622	239.9	5.799	90.7	1499.8	568.9	157.3
190.0	189.2	11.682	11.658	33.807	25.727	26.576	25.722	230.4	6.036	90.8	1497.9	627.8	93.7
200.0	199.1	11.422	11.397	33.797	25.767	26.662	25.763	226.7	6.264	90.7	1497.2	688.9	23.4
210.0	209.1	10.762	10.737	33.822	25.906	26.848	25.901	213.5	6.481	90.8	1495.0	752.3	-5.2
220.0	219.0	10.707	10.681	33.820	25.914	26.901	25.909	212.9	6.695	90.9	1495.0	817.8	62.8
230.0	229.0	10.043	10.017	33.851	26.052	27.088	26.048	199.7	6.900	90.8	1492.8	885.4	47.1
240.0	238.9	9.882	9.855	33.846	26.076	27.157	26.071	197.6	7.098	90.9	1492.4	954.9	213.7
250.0	248.9	9.469	9.441	33.905	26.190	27.319	26.186	186.8	7.287	90.8	1491.1	1026.4	6.0
260.0	258.8	9.145	9.117	33.944	26.273	27.448	26.269	179.0	7.470	90.8	1490.1	1099.8	7.4
270.0	268.7	9.035	9.006	33.959	26.302	27.523	26.298	176.4	7.649	90.8	1489.9	1174.9	49.0
280.0	278.7	8.818	8.788	33.983	26.355	27.623	26.351	171.4	7.822	90.8	1489.3	1251.7	13.0
290.0	288.6	8.757	8.726	33.987	26.368	27.681	26.364	170.4	7.992	90.8	1489.2	1330.3	31.1
300.0	298.5	8.532	8.500	34.000	26.414	27.773	26.409	166.1	8.160	90.8	1488.5	1410.5	24.3
310.0	308.5	8.411	8.379	34.004	26.435	27.840	26.430	164.2	8.325	90.7	1488.2	1492.4	16.1
320.0	318.4	8.161	8.128	34.006	26.475	27.927	26.470	160.5	8.488	90.7	1487.5	1575.9	20.8
330.0	328.3	8.055	8.022	34.004	26.489	27.987	26.484	159.2	8.648	90.7	1487.2	1660.9	6.4
340.0	338.3	7.865	7.831	34.006	26.518	28.063	26.513	156.5	8.805	90.7	1486.6	1747.6	15.1
350.0	348.2	7.691	7.657	34.005	26.543	28.135	26.538	154.2	8.960	90.7	1486.1	1835.8	16.9
360.0	358.1	7.565	7.530	34.005	26.561	28.199	26.556	152.5	9.114	90.6	1485.8	1925.5	42.6
370.0	368.0	7.338	7.302	34.005	26.593	28.279	26.588	149.5	9.265	90.6	1485.1	2016.8	10.1
380.0	378.0	7.139	7.103	34.010	26.625	28.357	26.620	146.5	9.413	90.5	1484.5	2109.5	41.7
390.0	387.9	6.934	6.898	34.002	26.646	28.426	26.642	144.4	9.559	90.5	1483.8	2203.7	18.8
400.0	397.8	6.776	6.739	34.001	26.667	28.494	26.663	142.5	9.703	90.5	1483.4	2299.3	25.2
410.0	407.8	6.574	6.537	33.999	26.692	28.566	26.687	140.1	9.844	90.4	1482.7	2396.3	42.4
420.0	417.7	6.371	6.333	33.999	26.719	28.641	26.714	137.5	9.982	90.4	1482.1	2494.7	8.7
430.0	427.6	6.248	6.210	34.000	26.736	28.705	26.731	135.9	10.119	90.3	1481.8	2594.4	20.7
440.0	437.5	6.166	6.128	34.004	26.750	28.765	26.745	134.7	10.255	90.3	1481.6	2695.5	25.1
450.0	447.4	6.054	6.015	34.007	26.766	28.828	26.761	133.1	10.388	90.3	1481.3	2797.9	10.2
460.0	457.4	6.011	5.972	34.011	26.775	28.883	26.770	132.4	10.521	90.2	1481.3	2901.6	16.3
470.0	467.3	5.933	5.892	34.022	26.794	28.948	26.789	130.7	10.652	90.1	1481.2	3006.7	24.5
480.0	477.2	5.846	5.806	34.044	26.822	29.023	26.817	128.1	10.781	90.0	1481.0	3113.0	25.4
490.0	487.1	5.788	5.747	34.057	26.839	29.087	26.834	126.5	10.909	90.0	1481.0	3220.6	8.1
500.0	497.0	5.620	5.578	34.050	26.854	29.149	26.849	125.1	11.035	90.0	1480.4	3329.4	9.5
510.0	507.0	5.500	5.458	34.060	26.876	29.218	26.871	123.0	11.159	90.0	1480.1	3439.5	17.1
520.0	516.9	5.440	5.397	34.065	26.888	29.276	26.882	121.9	11.281	90.0	1480.1	3550.8	26.8
530.0	526.8	5.369	5.325	34.075	26.904	29.340	26.899	120.4	11.402	90.0	1479.9	3663.2	5.7
540.0	536.7	5.323	5.279	34.092	26.924	29.405	26.918	118.6	11.522	90.1	1479.9	3776.9	2.8
550.0	546.6	5.337	5.292	34.106	26.933	29.460	26.927	117.9	11.640	90.2	1480.2	3891.8	14.5
560.0	556.5	5.277	5.231	34.118	26.949	29.523	26.944	116.4	11.757	90.3	1480.1	4007.8	15.9
570.0	566.5	5.175	5.129	34.112	26.956	29.577	26.951	115.7	11.873	90.3	1479.9	4124.9	15.3
580.0	576.4	5.134	5.087	34.129	26.975	29.641	26.969	114.1	11.988	90.3	1479.9	4243.2	1.3
590.0	586.3	5.072	5.025	34.135	26.987	29.700	26.981	112.9	12.102	90.3	1479.8	4362.6	20.3
600.0	596.2	4.965	4.918	34.137	27.001	29.761	26.995	111.6	12.214	90.4	1479.5	4483.1	18.0
610.0	606.1	4.887	4.839	34.137	27.009	29.817	27.004	110.8	12.325	90.4	1479.4	4604.8	6.2
620.0	616.0	4.850	4.801	34.146	27.021	29.874	27.015	109.8	12.435	90.4	1479.4	4727.5	14.7
630.0	625.9	4.820	4.770	34.148	27.026	29.926	27.021	109.3	12.545	90.4	1479.4	4851.3	15.9
640.0	635.8	4.773	4.722	34.167	27.046	29.992	27.041	107.5	12.653	90.4	1479.4	4976.2	15.3
650.0	645.8	4.749	4.698	34.177	27.056	30.049	27.051	106.5	12.760	90.5	1479.5	5102.1	7.7
660.0	655.7	4.729	4.677	34.190	27.069	30.108	27.064	105.4	12.866	90.4	1479.6	5229.1	6.2
670.0	665.6	4.698	4.646	34.197	27.078	30.163	27.073	104.7	12.971	90.5	1479.6	5357.1	7.7
680.0	675.5	4.668	4.614	34.212	27.094	30.224	27.088	103.3	13.075	90.4	1479.7	5486.1	12.7
690.0	685.4	4.633	4.579	34.223	27.106	30.283	27.101	102.1	13.178	90.4	1479.7	5616.2	13.9
700.0	695.3	4.583	4.529	34.237	27.123	30.347	27.117	100.6	13.279	90.5	1479.7	5747.2	4.8
710.0	705.2	4.571	4.516	34.242	27.128	30.398	27.122	100.2	13.380	90.5	1479.8	5879.3	2.5
720.0	715.1	4.549	4.493	34.250	27.137	30.453	27.131	99.4	13.479	90.5	1479.9	6012.3	8.6
730.0	725.0	4.512	4.456	34.261	27.150	30.512	27.144	98.2	13.578	90.5	1479.9	6146.4	12.4
740.0	734.9	4.492	4.435	34.271	27.160	30.567	27.154	97.4	13.676	90.5	1480.0	6281.3	12.4
750.0	744.8	4.448	4.391	34.275	27.168	30.623	27.162	96.6	13.773	90.4	1480.0	6417.3	13.6
760.0	754.7	4.414	4.355	34.281	27.177	30.677	27.170	95.9	13.869	90.4	1480.1	6554.2	10.7
770.0	764.7	4.399	4.340	34.294	27.189	30.736	27.183	94.8	13.965	90.5	1480.2	6692.0	14.2
780.0	774.5	4.359	4.299	34.303	27.201	30.794	27.194	93.7	14.059	90.4	1480.2	6830.8	6.3
790.0	784.5	4.325	4.265	34.314	27.213	30.852	27.206	92.6	14.152	90.5	1480.2	6970.5	11.0
800.0	794.3	4.267	4.207	34.317	27.221	30.908	27.215	91.8	14.245	90.4	1480.1	7111.0	2.2
810.0	804.3	4.256	4.194	34.326	27.230	30.962	27.223	91.1	14.336	90.4	1480.3	7252.5	14.2
820.0	814.2	4.252	4.190	34.343	27.244	31.021	27.237	89.9	14.427	90.5	1480.4	7394.9	16.5
830.0	824.1	4.216	4.153	34.349	27.252	31.076	27.246	89.1	14.516	90.4	1480.5	7538.2	1.6
840.0	834.0	4.172	4.108	34.353	27.260	31.131	27.254	88.4	14.605	90.3	1480.5	7682.3	13.6
850.0	843.8	4.126	4.061	34.361	27.271	31.188	27.265	87.3	14.692	90.4	1480.4	7827.3	6.0
860.0	853.8	4.105	4.040	34.366	27.278	31.241	27.271	86.8	14.780	90.4	1480.5	7973.2	11.6
870.0	863.7	4.074	4.008	34.370	27.285	31.294	27.278	86.2	14.866	90.5	1480.6	8119.9	2.8
880.0	873.5	4.046	3.980	34.374	27.290	31.346	27.283	85.7	14.952	90.4	1480.6	8267.5	6.3
890.0	883.5	4.019	3.952	34.382	27.299	31.401	27.293	84.9	15.037	90.4	1480.7	8415.9	18.6
900.0	893.3	3.987	3.920	34.387	27.306	31.455	27.300	84.2	15.122	90.5	1480.7	8565.1	1.0
910.0	903.2	3.948	3.880	34.393	27.316	31.510	27.309	83.4	15.205	90.4	1480.7	8715.2	9.2
920.0	913.1	3.932	3.863	34.398	27.321	31.562	27.314	82.9	15.289	90.5	1480.8	8866.1	4.9
930.0	923.0	3.920	3.851	34.408	27.330	31.617	27.323	82.1	15.371	90.4	1481.0	9017.7	13.9
940.0	932.9	3.886	3.816	34.416	27.341	31.674	27.333	81.2	15.453	90.4	1481.0	9170.2	6.3
950.0	942.8	3.858	3.787	34.419	27.346	31.725	27.339	80.7	15.534	90.4	1481.0	9323.5	3.4
960.0	952.7	3.833	3.762	34.421	27.350	31.775	27.343	80.4	15.614	90.4	1481.1	9477.6	4.3
970.0	962.6	3.813	3.741	34.427	27.357	31.828	27.350	79.8	15.694	90.5	1481.2	9632.5	5.2
980.0	972.5	3.781	3.708	34.433	27.365	31.883	27.358	79.0	15.774	90.5	1481.2	9788.1	5.8
990.0	982.4	3.758	3.685	34.438	27.371	31.935	27.364	78.5	15.853	90.4	1481.3	9944.5	2.0

Station 34 Latitude 31° 58.36'N Longitude 128° 02.32'W 26 Aug 1989 GMT 00:15 Bottom 4150 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.3	3.747	3.674	34.442	27.376	31.986	27.369	78.1	15.931	90.4	1481.4	10101.7	4.6
1020.0	1012.1	3.693	3.618	34.449	27.387	32.089	27.379	77.1	16.086	90.4	1481.5	10418.4	2.3
1040.0	1031.8	3.634	3.557	34.459	27.400	32.196	27.393	75.9	16.239	90.4	1481.6	10738.1	7.8
1060.0	1051.6	3.571	3.493	34.472	27.417	32.305	27.409	74.3	16.389	90.4	1481.7	11060.7	3.7
1080.0	1071.4	3.544	3.466	34.476	27.423	32.403	27.415	73.9	16.537	90.5	1481.9	11386.2	2.9
1100.0	1091.2	3.520	3.440	34.482	27.431	32.502	27.423	73.3	16.684	90.4	1482.2	11714.7	2.3
1120.0	1110.9	3.459	3.378	34.488	27.441	32.605	27.433	72.3	16.830	90.4	1482.2	12046.0	1.1
1140.0	1130.7	3.416	3.333	34.494	27.450	32.707	27.442	71.4	16.974	90.4	1482.4	12380.1	5.8
1160.0	1150.5	3.375	3.292	34.500	27.458	32.808	27.451	70.7	17.116	90.4	1482.6	12717.0	3.8
1180.0	1170.2	3.337	3.252	34.504	27.466	32.907	27.458	70.1	17.257	90.4	1482.7	13056.7	2.9
1200.0	1190.0	3.296	3.210	34.510	27.475	33.008	27.466	69.3	17.396	90.4	1482.9	13399.1	.9
1220.0	1209.8	3.267	3.179	34.514	27.481	33.106	27.473	68.8	17.534	90.4	1483.1	13744.2	1.5
1240.0	1229.5	3.238	3.149	34.520	27.488	33.206	27.480	68.1	17.671	90.4	1483.3	14092.0	7.1
1260.0	1249.3	3.197	3.107	34.528	27.499	33.308	27.490	67.2	17.807	90.3	1483.5	14442.5	5.3
1280.0	1269.0	3.159	3.068	34.533	27.506	33.408	27.498	66.5	17.940	90.4	1483.7	14795.6	3.9
1300.0	1288.8	3.133	3.040	34.538	27.513	33.506	27.504	66.0	18.073	90.4	1483.9	15151.2	3.3
1320.0	1308.5	3.093	2.999	34.543	27.521	33.607	27.512	65.3	18.204	90.3	1484.1	15509.5	6.2
1340.0	1328.3	3.045	2.950	34.547	27.528	33.707	27.520	64.6	18.334	90.4	1484.2	15870.3	5.1
1360.0	1348.0	3.018	2.922	34.550	27.533	33.804	27.524	64.2	18.463	90.4	1484.4	16233.6	-.2
1380.0	1367.8	2.988	2.890	34.553	27.539	33.901	27.530	63.7	18.591	90.4	1484.6	16599.4	4.5
1400.0	1387.5	2.951	2.852	34.556	27.544	33.998	27.535	63.2	18.718	90.4	1484.8	16967.7	3.3
1420.0	1407.2	2.910	2.810	34.557	27.549	34.096	27.540	62.7	18.844	90.4	1485.0	17338.4	2.8
1440.0	1427.0	2.878	2.776	34.561	27.555	34.193	27.546	62.2	18.969	90.3	1485.2	17711.6	-1.3
1460.0	1446.7	2.839	2.736	34.563	27.560	34.291	27.551	61.7	19.093	90.4	1485.3	18087.2	5.1
1480.0	1466.4	2.798	2.694	34.566	27.566	34.389	27.557	61.2	19.215	90.3	1485.5	18465.2	4.0
1500.0	1486.2	2.784	2.678	34.568	27.570	34.484	27.560	60.9	19.338	90.4	1485.8	18845.6	4.6
1520.0	1505.9	2.752	2.645	34.570	27.574	34.580	27.565	60.5	19.459	90.3	1486.0	19228.3	4.0
1540.0	1525.7	2.733	2.625	34.573	27.578	34.675	27.568	60.2	19.580	90.4	1486.2	19613.4	4.3
1560.0	1545.4	2.702	2.592	34.576	27.583	34.772	27.573	59.7	19.700	90.4	1486.4	20000.9	2.8
1580.0	1565.1	2.670	2.559	34.578	27.588	34.869	27.578	59.3	19.819	90.3	1486.6	20390.6	2.6
1600.0	1584.8	2.648	2.536	34.579	27.591	34.964	27.581	59.0	19.937	90.2	1486.9	20782.7	3.7
1620.0	1604.5	2.620	2.506	34.582	27.595	35.060	27.585	58.7	20.055	90.3	1487.1	21177.0	-.1
1640.0	1624.3	2.597	2.482	34.583	27.598	35.154	27.588	58.4	20.171	90.4	1487.3	21573.6	2.3
1660.0	1644.0	2.562	2.446	34.586	27.604	35.252	27.594	57.9	20.288	90.4	1487.5	21972.5	.6
1680.0	1663.7	2.528	2.410	34.589	27.609	35.349	27.599	57.3	20.403	90.3	1487.7	22373.6	2.3
1700.0	1683.4	2.496	2.377	34.591	27.613	35.445	27.603	56.9	20.517	90.3	1487.9	22776.9	4.4
1720.0	1703.1	2.465	2.346	34.593	27.618	35.541	27.607	56.5	20.631	90.4	1488.1	23182.5	2.6
1740.0	1722.8	2.429	2.308	34.595	27.622	35.639	27.612	56.0	20.743	90.3	1488.3	23590.2	1.2
1760.0	1742.5	2.408	2.286	34.597	27.626	35.733	27.616	55.7	20.855	90.4	1488.5	24000.1	3.5
1780.0	1762.2	2.377	2.254	34.599	27.630	35.829	27.620	55.3	20.966	90.3	1488.7	24412.2	.3
1800.0	1781.9	2.354	2.229	34.601	27.633	35.924	27.623	55.0	21.076	90.2	1489.0	24826.4	.9
1820.0	1801.7	2.338	2.211	34.602	27.636	36.018	27.625	54.8	21.186	90.4	1489.2	25242.7	3.0
1840.0	1821.3	2.311	2.183	34.605	27.640	36.114	27.630	54.4	21.295	90.3	1489.4	25661.2	-.2
1860.0	1841.1	2.281	2.152	34.607	27.644	36.209	27.634	54.0	21.404	90.2	1489.6	26081.7	6.3
1880.0	1860.7	2.247	2.117	34.610	27.650	36.306	27.639	53.5	21.511	90.3	1489.8	26504.4	4.5
1900.0	1880.4	2.219	2.087	34.612	27.654	36.403	27.643	53.0	21.618	90.3	1490.1	26929.1	3.1
1920.0	1900.1	2.193	2.060	34.614	27.657	36.497	27.647	52.7	21.724	90.3	1490.3	27355.8	1.0
1940.0	1919.8	2.166	2.032	34.615	27.661	36.592	27.650	52.3	21.829	90.3	1490.5	27784.6	1.3
1960.0	1939.5	2.141	2.005	34.618	27.665	36.688	27.654	51.9	21.933	90.3	1490.7	28215.4	-.1
1980.0	1959.2	2.119	1.983	34.619	27.668	36.782	27.657	51.6	22.036	90.3	1491.0	28648.2	2.5
2000.0	1978.9	2.100	1.962	34.622	27.672	36.878	27.661	51.2	22.139	90.3	1491.2	29083.0	1.9
2050.0	2028.1	2.054	1.912	34.628	27.681	37.113	27.669	50.5	22.393	90.3	1491.9	30178.6	-.7
2100.0	2077.3	2.012	1.867	34.632	27.687	37.347	27.676	49.9	22.644	90.3	1492.5	31286.4	-.6
2150.0	2126.5	1.982	1.833	34.635	27.692	37.578	27.680	49.5	22.893	90.3	1493.2	32406.2	2.7
2200.0	2175.6	1.950	1.797	34.638	27.698	37.810	27.685	49.1	23.139	90.3	1494.0	33537.9	1.5
2250.0	2224.8	1.916	1.759	34.641	27.703	38.042	27.691	48.6	23.383	90.3	1494.6	34681.4	1.0
2300.0	2273.9	1.883	1.722	34.644	27.708	38.273	27.696	48.1	23.625	90.2	1495.3	35836.5	1.9
2350.0	2323.1	1.849	1.685	34.648	27.714	38.505	27.702	47.6	23.865	90.3	1496.0	37003.2	2.8
2400.0	2372.2	1.820	1.652	34.651	27.719	38.736	27.706	47.2	24.102	90.3	1496.8	38181.4	1.4
2450.0	2421.3	1.790	1.618	34.654	27.724	38.966	27.711	46.8	24.337	90.2	1497.5	39370.9	1.4
2500.0	2470.4	1.771	1.594	34.655	27.726	39.193	27.713	46.6	24.571	90.3	1498.2	40571.6	-.3
2550.0	2519.5	1.750	1.569	34.658	27.730	39.422	27.717	46.3	24.803	90.3	1499.0	41783.4	.3
2600.0	2568.6	1.732	1.548	34.659	27.733	39.648	27.720	46.2	25.034	90.3	1499.8	43006.4	1.9
2650.0	2617.6	1.715	1.526	34.662	27.737	39.876	27.723	45.9	25.265	90.3	1500.5	44240.4	2.5
2700.0	2666.7	1.693	1.500	34.663	27.740	40.102	27.725	45.7	25.494	90.2	1501.3	45485.4	1.9
2750.0	2715.7	1.674	1.477	34.665	27.743	40.329	27.729	45.5	25.722	90.3	1502.1	46741.4	1.1
2800.0	2764.8	1.662	1.460	34.666	27.745	40.554	27.730	45.4	25.949	90.3	1502.9	48008.2	-.3
2850.0	2813.8	1.642	1.436	34.668	27.749	40.781	27.734	45.1	26.176	90.3	1503.6	49285.8	-.6
2900.0	2862.8	1.628	1.418	34.670	27.751	41.006	27.736	45.0	26.401	90.3	1504.4	50574.2	.6
2950.0	2911.8	1.617	1.402	34.668	27.751	41.228	27.735	45.1	26.626	90.2	1505.2	51873.4	3.9
3000.0	2960.8	1.601	1.382	34.672	27.756	41.455	27.740	44.7	26.850	90.2	1506.0	53183.2	.7
3036.0	2996.1	1.590	1.367	34.673	27.758	41.617	27.742	44.6	27.011	90.2	1506.6	54133.0	.0

Station 35 Latitude 32° 12.90'N Longitude 127° 54.80'W 26 Aug 1989 GMT 03:25 Bottom 3950 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.637	19.637	33.651	23.828	23.828	23.828	406.4	.000	90.0	1519.5	.0	.0
10.0	10.0	19.637	19.635	33.651	23.829	23.872	23.828	406.7	.407	90.0	1519.7	2.0	-.6
20.0	19.9	19.646	19.643	33.660	23.834	23.921	23.833	406.6	.813	90.0	1519.9	8.1	10.3
30.0	29.9	19.653	19.648	33.704	23.866	23.996	23.865	403.9	1.219	90.0	1520.1	18.2	5.8
40.0	39.9	19.646	19.639	33.726	23.885	24.059	23.883	402.5	1.622	90.0	1520.3	32.4	135.9
50.0	49.8	19.609	19.600	33.967	24.079	24.295	24.077	384.4	2.016	89.8	1520.7	50.5	173.7
60.0	59.8	18.233	18.223	33.972	24.431	24.692	24.429	351.1	2.385	90.0	1516.9	72.5	254.0
70.0	69.8	17.369	17.358	33.927	24.607	24.913	24.604	334.6	2.725	90.1	1514.5	98.0	210.0
80.0	79.7	17.116	17.103	34.062	24.771	25.121	24.768	319.3	3.051	90.2	1514.1	126.8	236.6
90.0	89.7	16.764	16.750	34.066	24.857	25.251	24.854	311.3	3.365	90.3	1513.2	158.7	38.9
100.0	99.7	16.707	16.691	34.076	24.879	25.316	24.875	309.7	3.675	90.3	1513.2	193.8	21.0
110.0	109.6	16.272	16.255	34.129	25.021	25.503	25.017	296.4	3.976	90.2	1512.1	231.9	37.4
120.0	119.6	16.078	16.059	34.141	25.075	25.601	25.070	291.6	4.270	90.3	1511.7	272.9	63.7
130.0	129.5	15.575	15.555	34.103	25.158	25.730	25.154	283.8	4.558	90.6	1510.2	316.8	33.8
140.0	139.5	14.935	14.914	34.041	25.252	25.869	25.247	275.1	4.839	90.6	1508.3	363.6	156.3
150.0	149.4	14.535	14.513	33.988	25.298	25.960	25.293	270.9	5.111	90.7	1507.1	413.1	21.0
160.0	159.4	13.741	13.719	33.908	25.402	26.111	25.397	261.1	5.376	90.9	1504.6	465.3	32.6
170.0	169.3	13.435	13.411	33.906	25.463	26.217	25.458	255.5	5.635	90.9	1503.7	520.1	132.4
180.0	179.3	13.038	13.014	33.924	25.557	26.356	25.552	246.7	5.885	91.0	1502.6	577.4	118.8
190.0	189.2	11.798	11.774	33.803	25.702	26.551	25.698	232.7	6.124	91.0	1498.3	637.1	68.5
200.0	199.2	11.107	11.083	33.766	25.800	26.697	25.796	223.4	6.352	91.0	1496.0	699.1	142.2
210.0	209.1	10.401	10.376	33.786	25.940	26.884	25.936	210.1	6.570	91.1	1493.7	763.4	291.1
220.0	219.0	9.963	9.938	33.818	26.040	27.031	26.036	200.7	6.773	91.1	1492.3	829.7	56.5
230.0	229.0	9.547	9.521	33.877	26.155	27.192	26.150	189.8	6.967	91.1	1491.0	898.0	26.5
240.0	238.9	9.240	9.214	33.923	26.241	27.326	26.237	181.7	7.153	91.1	1490.1	968.2	11.5
250.0	248.9	9.041	9.014	33.961	26.302	27.433	26.298	176.0	7.333	91.1	1489.6	1040.2	150.9
260.0	258.8	8.811	8.783	33.990	26.362	27.539	26.358	170.4	7.507	91.1	1488.9	1113.9	68.9
270.0	268.7	8.670	8.642	33.997	26.389	27.612	26.385	168.0	7.676	91.0	1488.6	1189.3	16.1
280.0	278.7	8.450	8.421	34.006	26.430	27.699	26.426	164.2	7.842	91.0	1487.9	1266.4	38.6
290.0	288.6	8.236	8.206	34.005	26.462	27.778	26.458	161.2	8.005	91.1	1487.2	1345.1	17.5
300.0	298.5	8.109	8.078	34.006	26.482	27.843	26.477	159.4	8.165	91.0	1486.9	1425.4	8.1
310.0	308.5	7.940	7.909	34.007	26.507	27.916	26.503	157.0	8.324	91.0	1486.4	1507.3	30.7
320.0	318.4	7.744	7.712	34.005	26.535	27.990	26.530	154.5	8.479	90.9	1485.8	1590.7	22.7
330.0	328.3	7.516	7.484	34.005	26.568	28.070	26.563	151.4	8.632	90.9	1485.1	1675.7	19.5
340.0	338.2	7.353	7.321	34.002	26.588	28.137	26.583	149.5	8.782	91.0	1484.7	1762.1	22.9
350.0	348.2	7.199	7.166	34.000	26.608	28.204	26.604	147.6	8.931	90.9	1484.2	1850.1	46.9
360.0	358.1	7.036	7.003	33.999	26.630	28.273	26.626	145.6	9.078	91.0	1483.7	1939.5	16.2
370.0	368.0	6.956	6.922	33.998	26.640	28.329	26.636	144.7	9.223	90.9	1483.6	2030.3	17.3
380.0	378.0	6.847	6.812	33.996	26.653	28.389	26.649	143.6	9.367	90.9	1483.3	2122.6	14.4
390.0	387.9	6.692	6.656	33.999	26.677	28.459	26.672	141.4	9.509	91.0	1482.9	2216.3	31.3
400.0	397.8	6.524	6.488	33.997	26.698	28.527	26.693	139.3	9.650	90.9	1482.4	2311.4	14.3
410.0	407.7	6.253	6.217	34.012	26.744	28.622	26.740	134.9	9.787	90.9	1481.5	2407.8	23.9
420.0	417.7	6.061	6.025	34.013	26.769	28.694	26.765	132.4	9.921	90.9	1480.9	2505.6	15.7
430.0	427.6	5.981	5.944	34.017	26.783	28.754	26.778	131.2	10.053	90.9	1480.7	2604.7	13.9
440.0	437.5	5.911	5.873	34.027	26.800	28.818	26.795	129.7	10.184	90.8	1480.6	2705.1	7.2
450.0	447.4	5.848	5.810	34.029	26.810	28.874	26.805	128.8	10.313	90.8	1480.5	2806.8	1.6
460.0	457.4	5.836	5.796	34.031	26.813	28.923	26.808	128.7	10.442	90.8	1480.6	2909.8	7.2
470.0	467.3	5.826	5.786	34.036	26.818	28.973	26.813	128.3	10.571	90.7	1480.8	3014.0	16.3
480.0	477.2	5.808	5.767	34.046	26.828	29.029	26.823	127.5	10.698	90.9	1480.9	3119.5	15.4
490.0	487.1	5.740	5.698	34.055	26.844	29.092	26.839	126.0	10.825	90.8	1480.8	3226.2	1.3
500.0	497.0	5.727	5.685	34.072	26.859	29.152	26.853	124.8	10.951	90.8	1480.9	3334.2	18.3
510.0	507.0	5.738	5.694	34.086	26.869	29.208	26.864	123.9	11.075	90.8	1481.1	3443.5	21.9
520.0	516.9	5.660	5.616	34.114	26.900	29.286	26.895	121.0	11.197	90.8	1481.0	3553.9	11.3
530.0	526.8	5.601	5.557	34.131	26.921	29.353	26.916	119.1	11.317	90.7	1481.0	3665.6	3.7
540.0	536.7	5.526	5.481	34.130	26.929	29.407	26.924	118.4	11.436	90.8	1480.8	3778.4	32.4
550.0	546.6	5.369	5.324	34.141	26.956	29.482	26.951	115.8	11.553	90.7	1480.4	3892.4	23.0
560.0	556.5	5.400	5.353	34.161	26.969	29.541	26.964	114.7	11.668	90.8	1480.7	4007.5	12.5
570.0	566.4	5.116	5.071	34.146	26.990	29.611	26.985	112.4	11.782	90.8	1479.7	4123.8	15.3
580.0	576.4	5.112	5.065	34.156	26.999	29.666	26.993	111.8	11.894	90.8	1479.8	4241.1	2.2
590.0	586.3	5.081	5.033	34.167	27.011	29.725	27.006	110.6	12.005	90.7	1479.9	4359.6	14.8
600.0	596.2	5.016	4.968	34.174	27.024	29.784	27.019	109.4	12.115	90.8	1479.8	4479.1	9.5
610.0	606.1	4.916	4.868	34.178	27.039	29.846	27.033	108.1	12.224	90.8	1479.5	4599.8	10.6
620.0	616.0	4.818	4.769	34.174	27.046	29.900	27.041	107.3	12.332	90.8	1479.3	4721.5	6.2
630.0	625.9	4.745	4.696	34.181	27.060	29.961	27.055	106.0	12.438	90.8	1479.2	4844.2	15.0
640.0	635.8	4.694	4.644	34.195	27.077	30.024	27.072	104.4	12.543	90.9	1479.1	4968.0	5.3
650.0	645.7	4.666	4.615	34.200	27.084	30.078	27.079	103.8	12.648	90.7	1479.2	5092.8	11.8
660.0	655.7	4.627	4.576	34.214	27.100	30.140	27.094	102.4	12.751	90.7	1479.2	5218.7	16.8
670.0	665.6	4.570	4.518	34.226	27.116	30.202	27.110	100.9	12.852	90.8	1479.2	5345.5	10.9
680.0	675.5	4.542	4.490	34.236	27.126	30.259	27.121	100.0	12.953	90.8	1479.2	5473.4	15.3
690.0	685.4	4.510	4.457	34.243	27.136	30.315	27.131	99.1	13.053	90.8	1479.3	5602.2	15.6
700.0	695.3	4.483	4.429	34.254	27.148	30.373	27.142	98.1	13.151	90.7	1479.3	5732.0	15.9
710.0	705.2	4.467	4.413	34.268	27.160	30.431	27.154	97.0	13.249	90.7	1479.4	5862.8	18.0
720.0	715.1	4.450	4.395	34.284	27.175	30.492	27.169	95.7	13.345	90.7	1479.6	5994.5	2.4
730.0	725.0	4.404	4.348	34.291	27.185	30.549	27.179	94.7	13.441	90.9	1479.5	6127.1	14.1
740.0	734.9	4.348	4.291	34.295	27.195	30.605	27.189	93.9	13.535	90.7	1479.5	6260.7	-.5
750.0	744.8	4.382	4.325	34.317	27.209	30.664	27.203	92.7	13.628	90.8	1479.8	6395.2	9.2
760.0	754.7	4.358	4.300	34.326	27.219	30.720	27.212	91.9	13.720	90.8	1479.9	6530.7	12.4
770.0	764.6	4.321	4.262	34.337	27.231	30.779	27.225	90.7	13.812	90.7	1479.9	6667.0	15.0
780.0	774.5	4.273	4.214	34.333	27.233	30.827	27.227	90.5	13.903	90.7	1479.9	6804.2	5.1
790.0	784.4	4.216	4.156	34.332	27.239	30.880	27.232	90.0	13.993	90.8	1479.8	6942.3	10.6
800.0	794.3	4.196	4.135	34.339	27.246	30.934	27.240	89.3	14.082	90.7	1479.9	7081.3	4.2
810.0	804.2	4.152	4.091	34.344	27.255	30.989	27.249	88.6	14.171	90.7	1479.9	7221.2	9.8
820.0	814.1	4.129	4.068	34.352	27.264	31.044	27.258	87.7	14.259	90.7	1479.9	7361.9	10.7
830.0	824.0	4.126	4.063	34.366	27.275	31.101	27.269	86.8	14.347	90.7	1480.1	7503.5	11.8
840.0	833.9	4.095	4.032	34.374	27.285	31.157	27.279	85.9	14.433	90.7	1480.2	7646.0	8.0
850.0	843.8	4.068	4.005	34.377	27.290	31.208	27.284	85.5	14.519	90.8	1480.2	7789.3	13.9
860.0	853.7	4.045	3.981	34.387	27.301	31.265	27.294	84.5	14.604	90.8	1480.3	7933.4	7.5
870.0	863.6	4.037	3.972	34.389	27.303	31.313	27.296	84.4	14.688	90.7	1480.4	8078.4	2.8
880.0	873.5	4.012	3.946	34.397	27.312	31.368	27.305	83.6	14.772	90.8	1480.5	8224.1	4.8
890.0	883.4	3.989	3.923	34.400	27.317	31.419	27.310	83.2	14.856	90.7	1480.6	8370.8	11.9
900.0	893.3	3.965	3.898	34.406	27.324	31.472	27.317	82.6	14.939	90.8	1480.6	8518.2	8.1
910.0	903.2	3.931	3.864	34.406	27.328	31.523	27.321	82.2	15.021	90.7	1480.7	8666.4	6.6
920.0	913.1	3.902	3.833	34.411	27.335	31.576	27.328	81.6	15.103	90.8	1480.7	8815.5	9.5
930.0	923.0	3.882	3.813	34.415	27.340	31.628	27.333	81.1	15.184	90.7	1480.8	8965.3	3.4
940.0	932.9	3.867	3.797	34.421	27.346	31.680	27.339	80.6	15.265	90.7	1480.9	9115.9	11.9
950.0	942.8	3.850	3.780	34.427	27.353	31.733	27.346	80.0	15.345	90.7	1481.0	9267.3	3.7
960.0	952.7	3.845	3.774	34.433	27.358	31.783	27.351	79.6	15.425	90.7	1481.2	9419.6	4.9
970.0	962.6	3.808	3.736	34.436	27.365	31.836	27.357	79.1	15.505	90.7	1481.2	9572.5	7.5
980.0	972.5	3.795	3.723	34.439	27.368	31.886	27.361	78.7	15.583	90.7	1481.3	9726.3	-.4
990.0	982.3	3.760	3.687	34.442	27.374	31.938	27.367	78.2	15.662	90.7	1481.3	9880.8	2.8

Station 35 Latitude 32° 12.90'N Longitude 127° 54.80'W 26 Aug 1989 GMT 03:25 Bottom 3950 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
1000.0	992.2	3.741	3.667	34.447	27.380	31.991	27.373	77.6	15.740	90.7	1481.4	10036.1	3.4
1020.0	1012.0	3.686	3.611	34.456	27.392	32.095	27.385	76.6	15.894	90.7	1481.5	10349.0	10.8
1040.0	1031.8	3.633	3.557	34.462	27.403	32.199	27.396	75.6	16.047	90.7	1481.6	10664.9	9.0
1060.0	1051.6	3.566	3.489	34.473	27.419	32.307	27.411	74.2	16.197	90.6	1481.7	10983.7	7.0
1080.0	1071.3	3.522	3.443	34.479	27.427	32.408	27.420	73.4	16.344	90.7	1481.8	11305.4	5.2
1100.0	1091.1	3.474	3.394	34.486	27.438	32.511	27.430	72.4	16.490	90.7	1482.0	11630.0	2.3
1120.0	1110.9	3.430	3.349	34.491	27.446	32.611	27.438	71.7	16.634	90.7	1482.1	11957.5	4.1
1140.0	1130.7	3.391	3.309	34.497	27.455	32.712	27.447	71.0	16.777	90.7	1482.3	12287.7	5.8
1160.0	1150.4	3.353	3.270	34.502	27.462	32.812	27.454	70.3	16.919	90.7	1482.5	12620.7	2.0
1180.0	1170.2	3.324	3.239	34.505	27.468	32.910	27.460	69.9	17.059	90.7	1482.7	12956.5	2.9
1200.0	1189.9	3.282	3.196	34.511	27.477	33.011	27.469	69.1	17.197	90.7	1482.9	13295.0	2.0
1220.0	1209.7	3.248	3.160	34.515	27.483	33.109	27.475	68.5	17.335	90.7	1483.0	13636.1	3.2
1240.0	1229.5	3.207	3.118	34.520	27.491	33.209	27.483	67.8	17.472	90.7	1483.2	13980.0	3.8
1260.0	1249.2	3.167	3.077	34.524	27.499	33.309	27.490	67.1	17.607	90.6	1483.4	14326.5	6.2
1280.0	1269.0	3.109	3.017	34.531	27.509	33.412	27.500	66.2	17.740	90.7	1483.5	14675.6	7.6
1300.0	1288.7	3.066	2.974	34.535	27.516	33.512	27.507	65.5	17.871	90.7	1483.6	15027.3	2.1
1320.0	1308.5	3.032	2.938	34.537	27.521	33.610	27.513	65.0	18.002	90.7	1483.8	15381.5	2.7
1340.0	1328.2	3.003	2.908	34.540	27.526	33.706	27.518	64.6	18.132	90.6	1484.0	15738.3	8.3
1360.0	1348.0	2.946	2.850	34.546	27.536	33.809	27.528	63.6	18.260	90.6	1484.1	16097.6	8.6
1380.0	1367.7	2.905	2.808	34.550	27.543	33.908	27.534	63.0	18.386	90.7	1484.3	16459.4	.4
1400.0	1387.4	2.869	2.770	34.553	27.549	34.006	27.540	62.5	18.512	90.7	1484.5	16823.6	6.5
1420.0	1407.2	2.823	2.724	34.558	27.558	34.107	27.549	61.6	18.636	90.7	1484.6	17190.3	4.2
1440.0	1426.9	2.795	2.694	34.561	27.562	34.203	27.553	61.3	18.759	90.6	1484.8	17559.3	3.3
1460.0	1446.7	2.759	2.657	34.565	27.569	34.303	27.560	60.6	18.881	90.7	1485.0	17930.7	5.1
1480.0	1466.4	2.736	2.633	34.565	27.571	34.397	27.562	60.4	19.002	90.6	1485.2	18304.5	6.6
1500.0	1486.1	2.704	2.599	34.570	27.578	34.495	27.569	59.8	19.122	90.7	1485.4	18680.7	1.6
1520.0	1505.9	2.678	2.572	34.572	27.582	34.591	27.573	59.5	19.242	90.6	1485.7	19059.1	2.2
1540.0	1525.6	2.657	2.549	34.575	27.586	34.687	27.577	59.1	19.360	90.6	1485.9	19439.9	1.6
1560.0	1545.3	2.613	2.505	34.578	27.592	34.785	27.583	58.6	19.478	90.6	1486.0	19823.0	4.3
1580.0	1565.0	2.571	2.461	34.581	27.598	34.884	27.589	57.9	19.594	90.7	1486.2	20208.3	8.7
1600.0	1584.8	2.551	2.440	34.584	27.603	34.980	27.593	57.5	19.710	90.6	1486.5	20595.9	4.0
1620.0	1604.5	2.529	2.416	34.585	27.606	35.074	27.596	57.3	19.824	90.6	1486.7	20985.7	1.1
1640.0	1624.2	2.498	2.384	34.589	27.611	35.171	27.601	56.8	19.939	90.6	1486.9	21377.7	5.2
1660.0	1643.9	2.474	2.359	34.590	27.614	35.266	27.604	56.6	20.052	90.6	1487.1	21772.0	.5
1680.0	1663.6	2.446	2.330	34.594	27.620	35.364	27.610	56.0	20.165	90.6	1487.3	22168.4	.5
1700.0	1683.3	2.423	2.305	34.595	27.622	35.458	27.613	55.8	20.277	90.6	1487.6	22567.0	3.2
1720.0	1703.1	2.382	2.263	34.598	27.628	35.556	27.618	55.2	20.388	90.6	1487.7	22967.8	3.8
1740.0	1722.8	2.355	2.235	34.599	27.631	35.651	27.622	54.9	20.498	90.6	1488.0	23370.7	-.9
1760.0	1742.5	2.330	2.208	34.600	27.635	35.745	27.624	54.6	20.607	90.6	1488.2	23775.7	.0
1780.0	1762.2	2.297	2.175	34.604	27.640	35.843	27.630	54.1	20.716	90.6	1488.4	24182.9	2.7
1800.0	1781.9	2.278	2.154	34.605	27.643	35.938	27.633	53.7	20.823	90.7	1488.6	24592.1	.9
1820.0	1801.6	2.266	2.141	34.608	27.646	36.031	27.636	53.5	20.931	90.6	1488.9	25003.4	2.7
1840.0	1821.3	2.244	2.117	34.611	27.651	36.127	27.640	53.1	21.037	90.6	1489.2	25416.8	-.2
1860.0	1841.0	2.230	2.102	34.613	27.654	36.221	27.643	52.9	21.143	90.6	1489.4	25832.2	2.4
1880.0	1860.7	2.201	2.071	34.615	27.657	36.317	27.647	52.5	21.249	90.6	1489.6	26249.7	3.3
1900.0	1880.4	2.190	2.059	34.616	27.660	36.410	27.649	52.3	21.354	90.5	1489.9	26669.2	4.8
1920.0	1900.1	2.178	2.045	34.616	27.661	36.502	27.650	52.3	21.458	90.6	1490.2	27090.7	1.9
1940.0	1919.8	2.157	2.023	34.619	27.665	36.597	27.654	51.9	21.562	90.6	1490.5	27514.2	1.9
1960.0	1939.4	2.138	2.003	34.621	27.668	36.691	27.657	51.6	21.666	90.5	1490.7	27939.8	1.0
1980.0	1959.1	2.111	1.974	34.623	27.671	36.786	27.661	51.3	21.769	90.5	1490.9	28367.3	1.9
2000.0	1978.8	2.099	1.961	34.624	27.674	36.879	27.663	51.1	21.871	90.6	1491.2	28796.8	1.9
2050.0	2028.0	2.044	1.903	34.629	27.682	37.115	27.671	50.3	22.124	90.6	1491.8	29879.2	3.4
2100.0	2077.2	2.005	1.860	34.632	27.688	37.348	27.677	49.8	22.375	90.6	1492.5	30973.7	.0
2150.0	2126.4	1.971	1.822	34.636	27.694	37.581	27.682	49.3	22.622	90.6	1493.2	32080.2	1.8
2200.0	2175.6	1.938	1.785	34.639	27.699	37.813	27.687	48.8	22.868	90.6	1493.9	33198.5	.6
2250.0	2224.7	1.903	1.747	34.643	27.705	38.045	27.693	48.3	23.110	90.6	1494.6	34328.6	1.3
2300.0	2273.9	1.879	1.718	34.646	27.710	38.275	27.698	48.0	23.351	90.6	1495.3	35470.3	1.3
2350.0	2323.0	1.850	1.685	34.648	27.714	38.505	27.701	47.6	23.590	90.6	1496.1	36623.5	.8
2400.0	2372.1	1.832	1.663	34.651	27.718	38.734	27.705	47.4	23.827	90.6	1496.8	37788.1	-.7
2450.0	2421.2	1.810	1.637	34.653	27.722	38.962	27.708	47.1	24.064	90.6	1497.6	38964.1	.0
2500.0	2470.3	1.779	1.602	34.656	27.727	39.193	27.714	46.6	24.298	90.7	1498.3	40151.4	2.1
2550.0	2519.4	1.757	1.576	34.658	27.730	39.420	27.716	46.4	24.531	90.6	1499.0	41349.9	2.1
2600.0	2568.5	1.729	1.545	34.660	27.734	39.649	27.721	46.1	24.762	90.5	1499.8	42559.4	-.5
2650.0	2617.6	1.709	1.520	34.662	27.737	39.876	27.723	45.9	24.992	90.6	1500.5	43780.1	.7
2700.0	2666.6	1.694	1.501	34.663	27.739	40.102	27.725	45.8	25.221	90.5	1501.3	45011.6	1.1
2750.0	2715.7	1.677	1.480	34.665	27.743	40.329	27.728	45.5	25.449	90.5	1502.1	46254.2	1.4
2800.0	2764.7	1.655	1.454	34.667	27.747	40.556	27.732	45.2	25.676	90.6	1502.8	47507.5	2.3
2850.0	2813.7	1.643	1.437	34.668	27.748	40.781	27.733	45.2	25.902	90.6	1503.6	48771.7	-.3
2900.0	2862.7	1.626	1.416	34.671	27.752	41.007	27.736	44.9	26.127	90.5	1504.4	50046.7	.9
2950.0	2911.7	1.615	1.400	34.671	27.753	41.230	27.737	44.9	26.351	90.5	1505.2	51332.4	1.6
3000.0	2960.7	1.603	1.384	34.672	27.755	41.454	27.739	44.8	26.575	90.5	1506.0	52628.8	-1.9
3050.0	3009.7	1.595	1.371	34.673	27.757	41.678	27.741	44.7	26.799	90.6	1506.8	53935.8	-.1
3100.0	3058.6	1.577	1.349	34.675	27.760	41.903	27.744	44.5	27.022	90.5	1507.6	55253.5	2.3
3150.0	3107.6	1.567	1.334	34.676	27.762	42.126	27.745	44.4	27.245	90.5	1508.4	56581.8	.9
3200.0	3156.6	1.555	1.317	34.678	27.764	42.350	27.747	44.3	27.466	90.6	1509.2	57920.7	-.3
3250.0	3205.5	1.546	1.304	34.679	27.767	42.573	27.749	44.2	27.688	90.5	1510.0	59270.1	1.3
3300.0	3254.4	1.536	1.289	34.680	27.768	42.795	27.750	44.2	27.909	90.5	1510.8	60630.0	1.0
3350.0	3303.3	1.533	1.280	34.681	27.770	43.016	27.752	44.2	28.129	90.5	1511.7	62000.4	1.6
3400.0	3352.2	1.524	1.267	34.682	27.772	43.238	27.753	44.1	28.350	90.5	1512.5	63381.3	.5
3450.0	3401.1	1.523	1.261	34.683	27.773	43.458	27.754	44.2	28.571	90.6	1513.3	64772.7	.6
3500.0	3450.0	1.517	1.250	34.684	27.774	43.679	27.755	44.2	28.792	90.5	1514.2	66174.6	1.5
3550.0	3498.9	1.505	1.234	34.686	27.777	43.901	27.758	44.0	29.012	90.6	1515.0	67587.0	1.5
3600.0	3547.7	1.502	1.225	34.687	27.779	44.122	27.759	44.0	29.232	90.5	1515.8	69009.8	-.8
3650.0	3596.6	1.498	1.217	34.687	27.779	44.341	27.759	44.0	29.452	90.5	1516.7	70443.0	.5
3700.0	3645.4	1.497	1.210	34.688	27.781	44.560	27.760	44.1	29.672	90.5	1517.5	71886.6	-.7
3750.0	3694.2	1.493	1.201	34.688	27.781	44.779	27.760	44.2	29.893	90.5	1518.3	73340.8	-.9
3800.0	3743.0	1.496	1.198	34.690	27.783	44.997	27.762	44.2	30.114	90.5	1519.2	74805.3	.9
3818.0	3760.6	1.496	1.197	34.688	27.781	45.074	27.760	44.4	30.194	90.5	1519.5	75335.1	.0

Station 36 Latitude 32° 19.12'N Longitude 127° 50.46'W 26 Aug 1989 GMT 06:18 Bottom 3000 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.447	19.447	33.518	23.776	23.776	23.776	411.4	.000	90.0	1518.9	.0	.0
10.0	10.0	19.448	19.446	33.517	23.776	23.819	23.776	411.8	.412	90.1	1519.0	2.1	-4.4
20.0	19.9	19.450	19.447	33.521	23.778	23.865	23.778	411.9	.823	90.1	1519.2	8.2	10.0
30.0	29.9	19.694	19.688	33.783	23.916	24.046	23.915	399.2	1.229	90.0	1520.3	18.5	26.4
40.0	39.9	19.710	19.703	33.828	23.947	24.120	23.945	396.6	1.627	90.0	1520.6	32.7	62.7
50.0	49.8	19.485	19.476	33.918	24.074	24.291	24.072	384.8	2.020	90.2	1520.2	50.9	392.7
60.0	59.8	18.166	18.156	34.038	24.498	24.759	24.496	344.7	2.387	89.9	1516.8	72.9	356.8
70.0	69.8	17.739	17.728	34.019	24.588	24.894	24.585	336.4	2.729	90.0	1515.7	98.4	140.4
80.0	79.7	17.299	17.285	34.040	24.711	25.060	24.708	325.0	3.060	90.2	1514.6	127.2	98.1
90.0	89.7	16.826	16.812	34.032	24.817	25.210	24.813	315.3	3.380	90.3	1513.3	159.3	133.2
100.0	99.7	16.615	16.599	34.120	24.934	25.372	24.930	304.4	3.690	90.4	1513.0	194.5	80.2
110.0	109.6	16.469	16.451	34.153	24.994	25.475	24.990	299.0	3.990	90.4	1512.7	232.7	79.0
120.0	119.6	15.996	15.977	34.144	25.096	25.622	25.091	289.6	4.286	90.3	1511.4	273.9	140.4
130.0	129.5	15.258	15.238	34.079	25.211	25.783	25.206	278.8	4.571	90.6	1509.2	318.0	56.6
140.0	139.5	14.472	14.452	33.985	25.309	25.927	25.304	269.6	4.845	90.7	1506.7	364.9	18.9
150.0	149.4	13.880	13.858	33.916	25.379	26.043	25.375	263.0	5.112	90.8	1504.9	414.4	44.9
160.0	159.4	13.165	13.143	33.861	25.482	26.193	25.478	253.3	5.370	90.9	1502.6	466.6	45.1
170.0	169.3	12.576	12.554	33.821	25.568	26.325	25.564	245.2	5.621	90.9	1500.7	521.2	237.6
180.0	179.3	12.292	12.268	33.871	25.662	26.464	25.657	236.5	5.861	91.0	1500.0	578.3	18.8
190.0	189.2	12.111	12.086	33.878	25.702	26.549	25.697	232.9	6.096	91.0	1499.5	637.8	30.2
200.0	199.1	11.115	11.090	33.812	25.835	26.731	25.830	220.2	6.323	91.0	1496.1	699.6	71.9
210.0	209.1	10.636	10.611	33.785	25.898	26.841	25.894	214.1	6.540	91.0	1494.5	763.5	108.1
220.0	219.0	10.283	10.258	33.789	25.963	26.952	25.959	208.1	6.751	91.0	1493.4	829.6	106.6
230.0	229.0	9.828	9.802	33.814	26.060	27.096	26.055	198.9	6.954	91.1	1492.0	897.7	65.8
240.0	238.9	9.575	9.548	33.844	26.125	27.208	26.121	192.8	7.150	91.0	1491.2	967.8	47.6
250.0	248.9	9.390	9.362	33.877	26.181	27.309	26.176	187.7	7.341	91.1	1490.8	1039.8	107.9
260.0	258.8	9.091	9.063	33.925	26.267	27.442	26.263	179.5	7.524	91.0	1489.9	1113.7	23.0
270.0	268.7	8.846	8.818	33.976	26.345	27.567	26.341	172.2	7.700	91.0	1489.2	1189.3	34.0
280.0	278.7	8.690	8.660	33.993	26.383	27.651	26.378	168.8	7.870	91.0	1488.8	1266.6	9.4
290.0	288.6	8.516	8.486	34.001	26.417	27.731	26.412	165.7	8.038	90.9	1488.3	1345.7	72.1
300.0	298.5	8.207	8.176	34.007	26.468	27.829	26.463	160.8	8.200	91.0	1487.3	1426.3	14.3
310.0	308.5	7.935	7.904	34.008	26.509	27.918	26.504	156.9	8.359	91.0	1486.4	1508.5	13.4
320.0	318.4	7.845	7.813	34.004	26.519	27.974	26.514	156.0	8.516	91.0	1486.2	1592.3	7.2
330.0	328.3	7.773	7.740	34.002	26.528	28.029	26.524	155.3	8.671	91.0	1486.1	1677.7	13.1
340.0	338.3	7.687	7.654	33.999	26.539	28.085	26.534	154.4	8.826	91.0	1486.0	1764.5	3.7
350.0	348.2	7.553	7.519	33.998	26.557	28.150	26.552	152.8	8.979	91.0	1485.6	1852.9	22.7
360.0	358.1	7.265	7.230	33.999	26.599	28.239	26.594	148.7	9.130	90.9	1484.6	1942.8	31.4
370.0	368.0	7.060	7.026	33.998	26.626	28.314	26.621	146.2	9.278	90.9	1484.0	2034.2	23.8
380.0	378.0	6.674	6.640	34.005	26.684	28.421	26.679	140.5	9.422	90.9	1482.6	2127.0	77.9
390.0	387.9	6.422	6.387	34.013	26.723	28.508	26.719	136.8	9.560	90.8	1481.8	2221.2	18.4
400.0	397.8	6.303	6.268	34.017	26.742	28.573	26.737	135.0	9.696	90.8	1481.5	2316.8	8.4
410.0	407.7	6.271	6.235	34.016	26.745	28.623	26.741	134.8	9.830	90.8	1481.5	2413.7	6.1
420.0	417.7	6.146	6.109	34.024	26.768	28.692	26.763	132.7	9.965	90.8	1481.2	2511.9	24.8
430.0	427.6	6.062	6.025	34.028	26.781	28.752	26.777	131.5	10.097	90.8	1481.1	2611.4	4.6
440.0	437.5	5.947	5.910	34.032	26.799	28.816	26.794	129.8	10.227	90.7	1480.8	2712.3	17.1
450.0	447.4	5.831	5.793	34.040	26.820	28.884	26.815	127.8	10.356	90.8	1480.5	2814.4	5.7
460.0	457.4	5.802	5.763	34.046	26.829	28.939	26.824	127.1	10.483	90.7	1480.5	2917.8	9.5
470.0	467.3	5.747	5.707	34.056	26.843	29.000	26.838	125.8	10.610	90.7	1480.5	3022.4	1.3
480.0	477.2	5.694	5.654	34.064	26.857	29.059	26.852	124.6	10.735	90.7	1480.4	3128.3	18.0
490.0	487.1	5.671	5.630	34.068	26.862	29.111	26.857	124.2	10.859	90.6	1480.5	3235.4	2.5
500.0	497.0	5.603	5.561	34.079	26.879	29.175	26.874	122.6	10.983	90.6	1480.4	3343.7	6.9
510.0	506.9	5.537	5.495	34.087	26.893	29.235	26.888	121.4	11.105	90.7	1480.3	3453.2	2.5
520.0	516.9	5.498	5.455	34.092	26.902	29.290	26.897	120.6	11.226	90.6	1480.3	3564.0	-.2
530.0	526.8	5.443	5.399	34.098	26.914	29.348	26.909	119.5	11.346	90.7	1480.3	3675.9	20.0
540.0	536.7	5.397	5.353	34.105	26.925	29.405	26.920	118.6	11.465	90.7	1480.3	3789.0	20.3
550.0	546.6	5.321	5.276	34.117	26.944	29.470	26.938	116.9	11.583	90.7	1480.1	3903.3	12.1
560.0	556.5	5.253	5.207	34.131	26.962	29.536	26.957	115.1	11.699	90.7	1480.0	4018.7	21.2
570.0	566.4	5.202	5.156	34.138	26.973	29.594	26.968	114.1	11.814	90.7	1480.0	4135.3	1.3
580.0	576.4	5.157	5.110	34.138	26.979	29.646	26.974	113.6	11.927	90.7	1480.0	4253.0	12.7
590.0	586.3	5.123	5.076	34.142	26.987	29.699	26.981	113.0	12.041	90.7	1480.0	4371.8	.4
600.0	596.2	5.084	5.036	34.147	26.995	29.754	26.990	112.3	12.153	90.8	1480.0	4491.7	15.9
610.0	606.1	5.027	4.978	34.159	27.011	29.816	27.005	110.8	12.265	90.7	1480.0	4612.7	12.4
620.0	616.0	5.062	5.012	34.179	27.023	29.873	27.017	109.8	12.376	90.7	1480.3	4734.8	27.1
630.0	625.9	4.952	4.901	34.181	27.038	29.935	27.032	108.4	12.485	90.8	1480.0	4858.1	55.5
640.0	635.8	4.769	4.719	34.186	27.062	30.008	27.056	106.0	12.592	90.7	1479.4	4982.3	23.8
650.0	645.7	4.678	4.627	34.195	27.079	30.072	27.073	104.3	12.697	90.8	1479.2	5107.6	6.2
660.0	655.7	4.633	4.582	34.203	27.090	30.130	27.085	103.3	12.801	90.7	1479.2	5234.0	3.0
670.0	665.6	4.625	4.573	34.206	27.093	30.179	27.088	103.1	12.904	90.7	1479.3	5361.3	9.2
680.0	675.5	4.559	4.506	34.217	27.110	30.242	27.104	101.6	13.007	90.8	1479.3	5489.7	16.5
690.0	685.4	4.510	4.457	34.233	27.128	30.307	27.122	99.9	13.108	90.7	1479.2	5619.1	18.2
700.0	695.3	4.499	4.445	34.242	27.136	30.361	27.130	99.2	13.207	90.7	1479.4	5749.4	3.0
710.0	705.2	4.473	4.418	34.253	27.148	30.419	27.142	98.2	13.306	90.7	1479.4	5880.8	9.7
720.0	715.1	4.466	4.410	34.256	27.151	30.468	27.145	98.0	13.404	90.7	1479.6	6013.0	8.0
730.0	725.0	4.440	4.384	34.264	27.160	30.523	27.154	97.2	13.502	90.7	1479.6	6146.3	6.0
740.0	734.9	4.418	4.361	34.270	27.168	30.577	27.162	96.5	13.599	90.7	1479.7	6280.5	9.2
750.0	744.8	4.383	4.326	34.282	27.181	30.636	27.175	95.3	13.694	90.7	1479.8	6415.7	11.2
760.0	754.7	4.353	4.295	34.288	27.189	30.690	27.182	94.6	13.790	90.8	1479.8	6551.8	13.0
770.0	764.6	4.329	4.270	34.296	27.198	30.746	27.192	93.8	13.884	90.8	1479.9	6688.8	10.9
780.0	774.5	4.283	4.224	34.309	27.213	30.807	27.207	92.4	13.977	90.7	1479.9	6826.8	6.0
790.0	784.4	4.253	4.193	34.315	27.222	30.862	27.215	91.7	14.069	90.8	1479.9	6965.6	14.5
800.0	794.3	4.218	4.157	34.325	27.233	30.920	27.226	90.7	14.160	90.7	1480.0	7105.4	11.0
810.0	804.2	4.213	4.151	34.326	27.234	30.967	27.227	90.6	14.251	90.7	1480.1	7246.0	-.2
820.0	814.1	4.181	4.119	34.334	27.244	31.023	27.237	89.7	14.341	90.8	1480.1	7387.6	11.8
830.0	824.0	4.130	4.067	34.348	27.260	31.086	27.253	88.2	14.431	90.7	1480.1	7530.0	14.8
840.0	833.9	4.120	4.056	34.350	27.263	31.135	27.257	88.0	14.519	90.7	1480.2	7673.3	8.3
850.0	843.8	4.087	4.024	34.358	27.273	31.191	27.266	87.1	14.606	90.7	1480.3	7817.4	-1.0
860.0	853.7	4.056	3.992	34.365	27.282	31.247	27.276	86.3	14.693	90.7	1480.3	7962.4	6.9
870.0	863.6	4.023	3.958	34.373	27.292	31.302	27.285	85.4	14.779	90.7	1480.4	8108.3	8.0
880.0	873.5	3.992	3.927	34.381	27.301	31.358	27.294	84.6	14.864	90.8	1480.4	8255.0	11.3
890.0	883.4	3.960	3.894	34.389	27.311	31.414	27.304	83.7	14.948	90.7	1480.4	8402.5	10.7
900.0	893.3	3.947	3.880	34.392	27.315	31.464	27.308	83.4	15.031	90.7	1480.5	8550.8	8.6
910.0	903.2	3.918	3.850	34.400	27.324	31.520	27.317	82.5	15.114	90.7	1480.6	8700.0	3.4
920.0	913.1	3.909	3.841	34.401	27.326	31.567	27.319	82.4	15.197	90.7	1480.7	8849.9	1.0
930.0	923.0	3.899	3.829	34.404	27.330	31.617	27.322	82.2	15.279	90.7	1480.9	9000.7	2.8
940.0	932.9	3.895	3.825	34.406	27.332	31.665	27.325	82.0	15.361	90.7	1481.0	9152.3	11.6
950.0	942.8	3.861	3.791	34.416	27.343	31.722	27.336	81.0	15.443	90.7	1481.0	9304.7	6.6
960.0	952.7	3.855	3.784	34.421	27.347	31.772	27.340	80.6	15.524	90.7	1481.2	9457.8	6.6
970.0	962.6	3.822	3.750	34.427	27.356	31.827	27.349	79.9	15.604	90.7	1481.2	9611.8	6.3
980.0	972.5	3.789	3.717	34.432	27.363	31.881	27.356	79.2	15.683	90.7	1481.3	9766.6	1.9
990.0	982.3	3.756	3.683	34.437	27.370	31.934	27.363	78.6	15.762	90.7	1481.3	9922.1	10.4

Station 36 Latitude 32° 19.12'N Longitude 127° 50.46'W 26 Aug 1989 GMT 06:18 Bottom 3000 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.726	3.652	34.442	27.378	31.988	27.370	77.9	15.841	90.7	1481.3	10078.4	13.4
1020.0	1012.0	3.694	3.619	34.448	27.386	32.088	27.378	77.2	15.996	90.7	1481.5	10393.2	10.8
1040.0	1031.8	3.647	3.571	34.457	27.398	32.193	27.390	76.2	16.149	90.7	1481.7	10711.1	4.3
1060.0	1051.6	3.603	3.525	34.463	27.407	32.294	27.399	75.4	16.301	90.7	1481.8	11032.0	3.4
1080.0	1071.3	3.566	3.488	34.471	27.417	32.396	27.409	74.5	16.451	90.6	1482.0	11355.8	5.2
1100.0	1091.1	3.520	3.439	34.478	27.427	32.498	27.419	73.6	16.599	90.7	1482.2	11682.5	2.0
1120.0	1110.9	3.491	3.409	34.482	27.433	32.596	27.425	73.1	16.746	90.7	1482.4	12012.1	2.3
1140.0	1130.7	3.453	3.370	34.487	27.441	32.696	27.433	72.5	16.891	90.7	1482.5	12344.6	2.6
1160.0	1150.4	3.431	3.347	34.490	27.445	32.793	27.437	72.1	17.036	90.7	1482.8	12679.9	6.7
1180.0	1170.2	3.390	3.305	34.495	27.454	32.894	27.446	71.4	17.179	90.7	1483.0	13018.0	1.8
1200.0	1189.9	3.295	3.209	34.507	27.472	33.006	27.464	69.5	17.319	90.7	1482.9	13358.9	2.3
1220.0	1209.7	3.213	3.126	34.516	27.487	33.114	27.479	68.0	17.457	90.6	1482.9	13702.5	12.3
1240.0	1229.5	3.150	3.062	34.524	27.499	33.219	27.491	66.9	17.591	90.7	1483.0	14048.7	3.5
1260.0	1249.2	3.097	3.008	34.529	27.509	33.322	27.501	66.0	17.725	90.7	1483.1	14397.6	8.5
1280.0	1269.0	3.017	2.927	34.540	27.524	33.431	27.516	64.4	17.854	90.7	1483.1	14749.0	5.0
1300.0	1288.7	3.009	2.918	34.542	27.527	33.525	27.519	64.3	17.983	90.7	1483.4	15102.9	2.7
1320.0	1308.5	2.983	2.890	34.545	27.532	33.621	27.523	63.9	18.111	90.7	1483.6	15459.3	3.8
1340.0	1328.2	2.968	2.873	34.547	27.535	33.716	27.527	63.7	18.239	90.7	1483.9	15818.2	3.0
1360.0	1348.0	2.943	2.847	34.551	27.541	33.814	27.532	63.2	18.366	90.7	1484.1	16179.6	4.2
1380.0	1367.7	2.931	2.833	34.553	27.543	33.907	27.534	63.1	18.492	90.7	1484.4	16543.5	2.4
1400.0	1387.4	2.878	2.780	34.558	27.552	34.009	27.544	62.2	18.618	90.6	1484.5	16909.8	4.5
1420.0	1407.2	2.861	2.761	34.559	27.555	34.103	27.546	62.0	18.742	90.7	1484.8	17278.5	3.9
1440.0	1426.9	2.835	2.734	34.562	27.559	34.199	27.550	61.7	18.865	90.6	1485.0	17649.7	1.9
1460.0	1446.7	2.807	2.704	34.564	27.563	34.295	27.554	61.3	18.988	90.7	1485.2	18023.2	.4
1480.0	1466.4	2.778	2.674	34.567	27.569	34.393	27.560	60.8	19.110	90.7	1485.4	18399.1	4.2
1500.0	1486.1	2.744	2.639	34.570	27.574	34.490	27.565	60.3	19.231	90.6	1485.6	18777.4	1.3
1520.0	1505.9	2.711	2.605	34.572	27.579	34.587	27.570	59.9	19.352	90.7	1485.8	19158.0	2.5
1540.0	1525.6	2.679	2.571	34.574	27.583	34.683	27.574	59.5	19.471	90.6	1486.0	19541.0	2.5
1560.0	1545.3	2.658	2.549	34.576	27.587	34.778	27.577	59.2	19.590	90.7	1486.2	19926.2	2.2
1580.0	1565.0	2.621	2.511	34.578	27.592	34.875	27.582	58.7	19.708	90.6	1486.4	20313.8	.8
1600.0	1584.8	2.598	2.486	34.580	27.595	34.970	27.586	58.4	19.825	90.7	1486.6	20703.6	5.5
1620.0	1604.5	2.574	2.461	34.583	27.599	35.066	27.590	58.1	19.941	90.7	1486.9	21095.7	2.0
1640.0	1624.2	2.552	2.438	34.585	27.604	35.161	27.594	57.7	20.057	90.7	1487.1	21490.1	2.0
1660.0	1643.9	2.531	2.415	34.586	27.606	35.256	27.596	57.5	20.172	90.7	1487.4	21886.7	4.4
1680.0	1663.6	2.496	2.379	34.589	27.611	35.353	27.601	57.0	20.287	90.7	1487.6	22285.5	1.4
1700.0	1683.3	2.470	2.351	34.590	27.615	35.448	27.605	56.7	20.400	90.7	1487.8	22686.5	2.9
1720.0	1703.1	2.450	2.330	34.592	27.618	35.543	27.608	56.4	20.513	90.6	1488.0	23089.7	3.5
1740.0	1722.8	2.430	2.309	34.593	27.621	35.637	27.611	56.2	20.626	90.6	1488.3	23495.1	7.3
1760.0	1742.5	2.402	2.280	34.596	27.626	35.734	27.616	55.7	20.738	90.6	1488.5	23902.7	1.8
1780.0	1762.2	2.382	2.258	34.599	27.629	35.828	27.619	55.4	20.849	90.6	1488.7	24312.5	.0
1800.0	1781.9	2.359	2.234	34.601	27.633	35.924	27.623	55.0	20.959	90.6	1489.0	24724.3	1.8
1820.0	1801.6	2.329	2.203	34.603	27.638	36.020	27.627	54.6	21.069	90.7	1489.2	25138.3	5.3
1840.0	1821.3	2.309	2.181	34.605	27.641	36.114	27.630	54.3	21.178	90.6	1489.4	25554.5	2.1
1860.0	1841.0	2.275	2.146	34.607	27.645	36.211	27.635	53.9	21.286	90.7	1489.6	25972.7	.7
1880.0	1860.7	2.257	2.127	34.609	27.648	36.305	27.638	53.6	21.394	90.6	1489.9	26393.0	3.0
1900.0	1880.4	2.231	2.100	34.611	27.652	36.400	27.641	53.2	21.500	90.6	1490.1	26815.4	1.0
1920.0	1900.1	2.225	2.091	34.611	27.653	36.492	27.642	53.2	21.607	90.7	1490.4	27239.8	2.8
1940.0	1919.8	2.204	2.069	34.613	27.656	36.586	27.645	52.9	21.713	90.7	1490.7	27666.3	1.0
1960.0	1939.4	2.179	2.043	34.617	27.661	36.682	27.650	52.4	21.818	90.6	1490.9	28094.8	2.8
1980.0	1959.1	2.164	2.027	34.618	27.663	36.775	27.652	52.3	21.923	90.6	1491.2	28525.4	1.4
2000.0	1978.8	2.138	1.999	34.620	27.667	36.871	27.656	51.9	22.027	90.7	1491.4	28958.0	1.7
2050.0	2028.0	2.085	1.943	34.625	27.676	37.107	27.664	51.1	22.284	90.6	1492.0	30048.1	.8
2100.0	2077.2	2.053	1.907	34.630	27.683	37.340	27.671	50.5	22.538	90.6	1492.7	31150.5	.6
2150.0	2126.4	2.014	1.864	34.634	27.689	37.574	27.677	50.0	22.789	90.6	1493.4	32265.1	.6
2200.0	2175.6	1.954	1.801	34.639	27.698	37.811	27.686	49.0	23.037	90.6	1494.0	33391.8	.9
2250.0	2224.7	1.915	1.758	34.642	27.703	38.043	27.691	48.5	23.281	90.6	1494.6	34530.2	-1.1
2300.0	2273.9	1.892	1.732	34.644	27.707	38.272	27.695	48.3	23.523	90.6	1495.4	35680.3	-2.5
2350.0	2323.0	1.861	1.696	34.647	27.712	38.502	27.700	47.9	23.763	90.6	1496.1	36841.9	1.3
2400.0	2372.1	1.828	1.660	34.650	27.718	38.734	27.705	47.4	24.001	90.6	1496.8	38015.1	1.4
2450.0	2421.2	1.807	1.634	34.653	27.722	38.963	27.709	47.1	24.238	90.6	1497.6	39199.6	1.4
2500.0	2470.3	1.761	1.585	34.657	27.729	39.195	27.715	46.4	24.472	90.4	1498.2	40395.5	-.3
2550.0	2519.4	1.722	1.542	34.660	27.734	39.427	27.721	45.8	24.702	90.6	1498.9	41602.4	.6
2600.0	2568.5	1.713	1.529	34.661	27.736	39.652	27.722	45.8	24.931	90.6	1499.7	42820.3	-1.4
2650.0	2617.6	1.692	1.504	34.662	27.739	39.879	27.725	45.6	25.159	90.6	1500.4	44049.1	.1
2700.0	2666.6	1.688	1.495	34.663	27.740	40.103	27.726	45.6	25.387	90.6	1501.3	45288.9	.5
2750.0	2715.6	1.661	1.464	34.666	27.744	40.332	27.730	45.3	25.615	90.5	1502.0	46539.6	.8
2800.0	2764.7	1.653	1.452	34.667	27.747	40.556	27.732	45.2	25.841	90.6	1502.8	47801.1	6.1
2850.0	2813.7	1.647	1.441	34.667	27.747	40.779	27.732	45.3	26.067	90.4	1503.6	49073.4	.3
2900.0	2862.7	1.635	1.424	34.669	27.750	41.004	27.735	45.2	26.293	90.5	1504.4	50356.4	7.1
2950.0	2911.7	1.599	1.384	34.671	27.755	41.233	27.739	44.7	26.517	90.5	1505.1	51650.3	-6.9
3000.0	2960.7	1.590	1.371	34.673	27.757	41.457	27.741	44.5	26.739	90.5	1505.9	52954.7	-1.0
3002.0	2962.7	1.590	1.371	34.673	27.757	41.466	27.741	44.6	26.748	90.6	1506.0	53007.1	.0

Station 37 Latitude 32° 22.76'N Longitude 127° 47.91'W 26 Aug 1989 GMT 08:35 Bottom 1500 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.386	19.386	33.495	23.774	23.774	23.774	411.6	.000	90.1	1518.7	.0	.0
10.0	10.0	19.388	19.386	33.496	23.775	23.819	23.775	411.8	.412	90.1	1518.8	2.1	.0
20.0	19.9	19.396	19.392	33.499	23.776	23.862	23.775	412.2	.824	90.1	1519.0	8.2	-.9
30.0	29.9	19.730	19.724	33.795	23.916	24.046	23.915	399.1	1.230	90.1	1520.5	18.5	39.9
40.0	39.9	19.632	19.625	33.791	23.939	24.112	23.937	397.3	1.628	90.0	1520.3	32.7	16.5
50.0	49.8	19.310	19.301	33.902	24.107	24.324	24.105	381.7	2.023	90.0	1519.7	50.9	465.6
60.0	59.8	17.743	17.733	34.002	24.574	24.836	24.572	337.4	2.384	90.0	1515.5	72.9	468.6
70.0	69.8	17.473	17.461	34.125	24.734	25.039	24.731	322.5	2.712	90.2	1515.0	98.3	127.2
80.0	79.7	16.955	16.942	34.127	24.859	25.209	24.856	310.9	3.028	90.4	1513.7	126.9	103.9
90.0	89.7	16.912	16.897	34.153	24.890	25.283	24.886	308.3	3.337	90.3	1513.7	158.6	76.1
100.0	99.7	16.540	16.524	34.150	24.974	25.412	24.970	300.6	3.642	90.2	1512.8	193.3	132.3
110.0	109.6	16.396	16.379	34.170	25.023	25.505	25.019	296.2	3.939	90.4	1512.5	231.1	21.9
120.0	119.6	16.065	16.046	34.154	25.087	25.614	25.083	290.4	4.233	90.3	1511.6	271.7	112.3
130.0	129.5	15.353	15.333	34.103	25.208	25.780	25.204	279.0	4.516	90.6	1509.5	315.3	24.9
140.0	139.5	14.884	14.863	34.036	25.259	25.876	25.255	274.4	4.793	90.7	1508.1	361.6	84.0
150.0	149.4	13.880	13.859	33.919	25.382	26.045	25.377	262.8	5.061	90.8	1504.9	410.6	27.0
160.0	159.4	13.567	13.545	33.884	25.420	26.129	25.415	259.4	5.323	90.9	1504.0	462.3	85.5
170.0	169.3	12.527	12.504	33.803	25.563	26.320	25.559	245.7	5.578	90.9	1500.5	516.5	254.3
180.0	179.3	12.118	12.094	33.795	25.636	26.439	25.631	238.9	5.821	90.9	1499.3	573.2	40.8
190.0	189.2	11.795	11.771	33.821	25.717	26.565	25.712	231.4	6.057	91.0	1498.4	632.3	59.2
200.0	199.1	11.045	11.020	33.810	25.846	26.742	25.841	219.1	6.283	91.0	1495.9	693.7	40.9
210.0	209.1	10.667	10.642	33.783	25.892	26.835	25.888	214.8	6.502	91.0	1494.7	757.2	178.4
220.0	219.0	9.835	9.810	33.799	26.047	27.038	26.042	199.9	6.708	91.2	1491.8	822.9	161.0
230.0	229.0	9.491	9.466	33.850	26.143	27.181	26.139	190.9	6.901	91.1	1490.8	890.5	24.5
240.0	238.9	9.172	9.146	33.895	26.230	27.315	26.226	182.7	7.091	91.0	1489.8	960.0	206.6
250.0	248.8	8.943	8.916	33.919	26.285	27.417	26.281	177.5	7.270	91.0	1489.2	1031.4	103.1
260.0	258.8	8.752	8.724	33.951	26.340	27.517	26.336	172.4	7.444	90.9	1488.6	1104.5	82.0
270.0	268.7	8.591	8.563	33.994	26.399	27.622	26.395	167.0	7.613	91.0	1488.3	1179.3	29.6
280.0	278.6	8.229	8.200	34.006	26.463	27.735	26.459	160.8	7.777	91.0	1487.1	1255.7	19.3
290.0	288.6	8.195	8.165	34.004	26.467	27.784	26.463	160.6	7.938	91.0	1487.1	1333.8	3.2
300.0	298.5	8.033	8.003	34.006	26.493	27.856	26.488	158.3	8.097	90.9	1486.6	1413.4	22.8
310.0	308.4	7.875	7.844	34.005	26.516	27.924	26.511	156.2	8.255	91.0	1486.2	1494.6	20.7
320.0	318.4	7.775	7.743	34.002	26.528	27.983	26.523	155.2	8.410	90.9	1486.0	1577.4	65.2
330.0	328.3	7.490	7.458	34.001	26.568	28.070	26.563	151.4	8.563	90.9	1485.0	1661.7	7.4
340.0	338.2	7.432	7.399	33.999	26.575	28.123	26.570	150.8	8.714	91.0	1485.0	1747.4	10.7
350.0	348.2	7.305	7.272	33.999	26.593	28.188	26.588	149.1	8.864	90.9	1484.6	1834.7	28.2
360.0	358.1	7.004	6.970	33.999	26.635	28.278	26.630	145.1	9.012	91.0	1483.6	1923.4	34.3
370.0	368.0	6.782	6.748	34.000	26.665	28.356	26.661	142.2	9.156	90.9	1482.9	2013.6	34.3
380.0	377.9	6.666	6.631	33.997	26.679	28.416	26.674	141.0	9.298	91.0	1482.6	2105.2	12.9
390.0	387.9	6.401	6.366	34.003	26.718	28.503	26.713	137.2	9.437	90.9	1481.7	2198.2	55.9
400.0	397.8	6.167	6.132	34.015	26.758	28.591	26.753	133.4	9.572	90.9	1481.0	2292.5	23.9
410.0	407.7	5.954	5.919	34.034	26.800	28.680	26.795	129.3	9.704	90.8	1480.3	2388.2	28.2
420.0	417.6	5.903	5.867	34.038	26.809	28.736	26.805	128.5	9.833	90.9	1480.3	2485.1	6.6
430.0	427.6	5.840	5.803	34.046	26.824	28.797	26.819	127.2	9.961	90.9	1480.2	2583.3	17.7
440.0	437.5	5.779	5.742	34.053	26.837	28.856	26.832	126.1	10.087	90.8	1480.1	2682.8	10.4
450.0	447.4	5.725	5.687	34.060	26.849	28.914	26.844	125.0	10.213	90.7	1480.1	2783.5	14.2
460.0	457.3	5.690	5.651	34.065	26.857	28.969	26.853	124.3	10.337	90.8	1480.1	2885.4	1.0
470.0	467.3	5.652	5.612	34.071	26.867	29.024	26.862	123.5	10.462	90.8	1480.1	2988.6	10.1
480.0	477.2	5.635	5.595	34.074	26.871	29.075	26.866	123.2	10.585	90.8	1480.2	3093.0	7.2
490.0	487.1	5.632	5.591	34.080	26.876	29.125	26.871	122.9	10.708	90.8	1480.4	3198.6	14.5
500.0	497.0	5.503	5.461	34.099	26.907	29.204	26.902	119.9	10.830	90.8	1480.0	3305.4	19.7
510.0	506.9	5.413	5.371	34.109	26.926	29.269	26.920	118.2	10.948	90.7	1479.8	3413.4	22.4
520.0	516.8	5.365	5.322	34.113	26.934	29.324	26.929	117.4	11.066	90.8	1479.8	3522.6	8.9
530.0	526.8	5.306	5.262	34.121	26.948	29.383	26.943	116.2	11.183	90.7	1479.7	3632.9	6.8
540.0	536.7	5.272	5.228	34.125	26.955	29.437	26.950	115.6	11.299	90.7	1479.8	3744.3	6.0
550.0	546.6	5.250	5.205	34.127	26.960	29.487	26.955	115.3	11.414	90.8	1479.9	3857.0	19.4
560.0	556.5	5.204	5.159	34.133	26.969	29.544	26.964	114.4	11.529	90.7	1479.8	3970.7	10.4
570.0	566.4	5.182	5.136	34.136	26.975	29.595	26.969	114.0	11.643	90.7	1479.9	4085.6	17.4
580.0	576.3	5.128	5.082	34.146	26.989	29.656	26.984	112.7	11.756	90.7	1479.9	4201.6	3.3
590.0	586.3	5.123	5.075	34.149	26.992	29.704	26.986	112.6	11.868	90.7	1480.0	4318.7	9.8
600.0	596.2	5.100	5.052	34.158	27.002	29.760	26.997	111.6	11.981	90.7	1480.1	4436.9	7.4
610.0	606.1	5.019	4.970	34.158	27.011	29.817	27.006	110.8	12.092	90.7	1479.9	4556.2	2.5
620.0	616.0	5.002	4.952	34.158	27.014	29.865	27.008	110.6	12.203	90.7	1480.0	4676.6	16.5
630.0	625.9	4.872	4.823	34.184	27.048	29.947	27.043	107.3	12.311	90.7	1479.7	4798.1	5.1
640.0	635.8	4.790	4.739	34.193	27.065	30.011	27.059	105.7	12.417	90.8	1479.5	4920.6	-2.8
650.0	645.7	4.789	4.738	34.192	27.064	30.056	27.059	105.9	12.523	90.7	1479.7	5044.2	.4
660.0	655.6	4.774	4.722	34.194	27.068	30.105	27.062	105.7	12.629	90.6	1479.8	5168.8	8.9
670.0	665.5	4.752	4.700	34.197	27.072	30.156	27.066	105.3	12.735	90.8	1479.9	5294.5	13.6
680.0	675.5	4.690	4.637	34.209	27.090	30.219	27.083	103.7	12.839	90.7	1479.8	5421.2	26.8
690.0	685.3	4.631	4.578	34.222	27.106	30.283	27.100	102.2	12.942	90.7	1479.7	5548.9	19.7
700.0	695.3	4.552	4.498	34.239	27.128	30.353	27.123	100.0	13.043	90.6	1479.6	5677.6	22.9
710.0	705.2	4.457	4.403	34.265	27.159	30.431	27.153	97.1	13.142	90.8	1479.4	5807.3	42.6
720.0	715.1	4.383	4.328	34.287	27.185	30.503	27.179	94.7	13.238	90.8	1479.3	5938.0	15.6
730.0	725.0	4.352	4.296	34.294	27.194	30.558	27.187	93.9	13.332	90.7	1479.3	6069.6	15.6
740.0	734.9	4.347	4.290	34.304	27.202	30.613	27.196	93.1	13.426	90.8	1479.5	6202.1	3.9
750.0	744.8	4.341	4.283	34.305	27.203	30.659	27.197	93.1	13.519	90.7	1479.6	6335.5	6.2
760.0	754.7	4.295	4.237	34.309	27.212	30.715	27.206	92.4	13.612	90.7	1479.6	6469.9	10.6
770.0	764.6	4.236	4.178	34.322	27.228	30.778	27.222	90.8	13.703	90.7	1479.5	6605.1	5.4
780.0	774.5	4.213	4.154	34.328	27.236	30.831	27.229	90.2	13.794	90.7	1479.6	6741.3	9.2
790.0	784.4	4.199	4.139	34.331	27.240	30.881	27.233	89.9	13.884	90.8	1479.7	6878.3	12.4
800.0	794.3	4.148	4.088	34.344	27.255	30.943	27.249	88.4	13.973	90.7	1479.7	7016.2	3.9
810.0	804.2	4.140	4.079	34.346	27.258	30.992	27.252	88.3	14.061	90.7	1479.8	7155.0	-.5
820.0	814.1	4.098	4.037	34.356	27.271	31.051	27.264	87.1	14.149	90.7	1479.8	7294.6	10.4
830.0	824.0	4.056	3.994	34.366	27.282	31.110	27.276	86.0	14.236	90.7	1479.8	7435.1	8.0
840.0	833.9	4.050	3.987	34.367	27.284	31.157	27.278	85.9	14.321	90.6	1480.0	7576.5	-1.3
850.0	843.8	4.001	3.938	34.379	27.299	31.218	27.292	84.5	14.407	90.7	1479.9	7718.7	12.1
860.0	853.7	3.991	3.927	34.381	27.301	31.267	27.294	84.4	14.491	90.7	1480.1	7861.7	2.5
870.0	863.6	3.976	3.911	34.385	27.306	31.317	27.299	84.0	14.575	90.7	1480.2	8005.5	2.2
880.0	873.5	3.958	3.892	34.389	27.311	31.368	27.304	83.6	14.659	90.7	1480.3	8150.2	4.2
890.0	883.4	3.937	3.871	34.394	27.317	31.421	27.310	83.0	14.743	90.7	1480.3	8295.7	9.5
900.0	893.3	3.919	3.852	34.397	27.322	31.472	27.315	82.6	14.825	90.7	1480.4	8442.0	7.8
910.0	903.2	3.890	3.823	34.404	27.330	31.526	27.323	81.9	14.908	90.6	1480.5	8589.1	16.8
920.0	913.1	3.851	3.783	34.413	27.341	31.584	27.334	80.9	14.989	90.7	1480.5	8737.0	6.9
930.0	923.0	3.842	3.773	34.415	27.344	31.632	27.337	80.7	15.070	90.7	1480.6	8885.7	3.4
940.0	932.9	3.826	3.757	34.418	27.348	31.682	27.341	80.4	15.150	90.7	1480.7	9035.2	3.7
950.0	942.8	3.780	3.710	34.429	27.362	31.743	27.355	79.1	15.230	90.7	1480.7	9185.5	21.8
960.0	952.7	3.768	3.698	34.431	27.365	31.791	27.357	78.9	15.309	90.7	1480.8	9336.5	6.0
970.0	962.5	3.748	3.677	34.435	27.370	31.843	27.363	78.4	15.388	90.7	1480.9	9488.4	14.8
980.0	972.4	3.712	3.640	34.443	27.379	31.899	27.372	77.5	15.466	90.7	1480.9	9641.0	3.7
990.0	982.3	3.684	3.612	34.449	27.387	31.953	27.380	76.8	15.543	90.7	1481.0	9794.3	6.6

Station 37 Latitude 32° 22.76'N Longitude 127° 47.91'W 26 Aug 1989 GMT 08:35 Bottom 1500 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
1000.0	992.2	3.662	3.589	34.453	27.392	32.004	27.385	76.4	15.620	90.7	1481.1	9948.4	2.8
1020.0	1012.0	3.609	3.535	34.461	27.404	32.109	27.397	75.3	15.771	90.7	1481.2	10258.9	4.9
1040.0	1031.8	3.598	3.523	34.462	27.407	32.203	27.399	75.2	15.922	90.7	1481.5	10572.3	-.7
1060.0	1051.5	3.570	3.493	34.467	27.413	32.301	27.406	74.7	16.071	90.7	1481.7	10888.6	1.1
1080.0	1071.3	3.542	3.464	34.473	27.420	32.401	27.413	74.1	16.220	90.7	1481.9	11207.9	9.0
1100.0	1091.1	3.510	3.430	34.481	27.430	32.502	27.422	73.3	16.368	90.7	1482.1	11530.1	5.8
1120.0	1110.9	3.480	3.398	34.483	27.435	32.599	27.427	72.9	16.514	90.7	1482.3	11855.1	5.5
1140.0	1130.6	3.448	3.365	34.487	27.441	32.697	27.433	72.4	16.659	90.7	1482.5	12183.0	.6
1160.0	1150.4	3.417	3.333	34.491	27.448	32.795	27.440	71.9	16.804	90.6	1482.7	12513.7	1.7
1180.0	1170.2	3.372	3.286	34.498	27.458	32.898	27.450	71.0	16.947	90.7	1482.9	12847.2	7.0
1200.0	1189.9	3.350	3.263	34.501	27.462	32.994	27.454	70.6	17.088	90.8	1483.1	13183.5	-.3
1220.0	1209.7	3.302	3.214	34.507	27.472	33.097	27.464	69.7	17.229	90.6	1483.3	13522.6	7.0
1240.0	1229.4	3.221	3.132	34.519	27.489	33.206	27.480	68.1	17.367	90.6	1483.3	13864.3	2.1
1260.0	1249.2	3.217	3.127	34.519	27.489	33.299	27.481	68.1	17.503	90.7	1483.6	14208.8	-1.4
1280.0	1268.9	3.204	3.112	34.521	27.492	33.393	27.483	68.0	17.639	90.6	1483.9	14555.9	2.1
1300.0	1288.7	3.151	3.058	34.528	27.502	33.496	27.494	67.0	17.774	90.6	1484.0	14905.6	4.2
1320.0	1308.4	3.144	3.049	34.529	27.505	33.589	27.496	66.9	17.908	90.7	1484.3	15258.0	1.0
1340.0	1328.2	3.109	3.013	34.533	27.511	33.687	27.502	66.4	18.042	90.7	1484.5	15612.9	1.0
1360.0	1347.9	3.091	2.993	34.535	27.515	33.783	27.506	66.1	18.174	90.6	1484.7	15970.5	1.6
1380.0	1367.7	3.066	2.967	34.539	27.520	33.879	27.510	65.8	18.306	90.6	1484.9	16330.6	2.8
1400.0	1387.4	3.034	2.934	34.540	27.524	33.975	27.515	65.3	18.437	90.6	1485.1	16693.3	3.9
1420.0	1407.2	2.988	2.887	34.545	27.532	34.076	27.523	64.6	18.567	90.6	1485.3	17058.5	4.2
1440.0	1426.9	2.955	2.853	34.548	27.538	34.174	27.529	64.1	18.695	90.6	1485.5	17426.3	3.7
1460.0	1446.6	2.923	2.820	34.550	27.542	34.270	27.533	63.7	18.823	90.6	1485.7	17796.5	4.0
1480.0	1466.4	2.894	2.788	34.552	27.546	34.366	27.537	63.3	18.950	90.6	1485.9	18169.2	6.9
1500.0	1486.1	2.862	2.755	34.556	27.552	34.464	27.543	62.8	19.076	90.6	1486.1	18544.4	.0

Station 38 Latitude 32° 25.87'N Longitude 127° 46.16'W 26 Aug 1989 GMT 10:05 Bottom 480 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
.0	.0	19.357	19.357	33.483	23.772	23.772	23.772	411.7	.000	90.1	1518.6	.0	.0
10.0	10.0	19.361	19.360	33.484	23.773	23.816	23.772	412.1	.412	90.1	1518.7	2.1	-.8
20.0	19.9	19.359	19.355	33.483	23.772	23.859	23.772	412.5	.824	90.1	1518.9	8.2	26.2
30.0	29.9	19.674	19.668	33.796	23.931	24.061	23.930	397.7	1.227	90.0	1520.3	18.5	34.9
40.0	39.9	19.637	19.630	33.805	23.948	24.121	23.946	396.5	1.624	90.2	1520.4	32.7	26.4
50.0	49.8	19.306	19.296	33.962	24.154	24.370	24.151	377.2	2.017	89.9	1519.8	50.8	590.6
60.0	59.8	18.124	18.113	34.059	24.524	24.786	24.522	342.2	2.374	90.1	1516.7	72.7	314.1
70.0	69.8	17.550	17.538	34.088	24.687	24.993	24.684	327.0	2.707	90.2	1515.2	98.0	119.3
80.0	79.7	16.970	16.956	34.092	24.829	25.179	24.826	313.7	3.027	90.3	1513.7	126.6	43.3
90.0	89.7	16.773	16.758	34.148	24.918	25.312	24.915	305.6	3.337	90.4	1513.3	158.3	27.8
100.0	99.7	16.491	16.475	34.174	25.004	25.442	25.001	297.7	3.639	90.3	1512.6	193.0	65.8
110.0	109.6	16.275	16.257	34.163	25.046	25.528	25.042	294.0	3.935	90.2	1512.1	230.7	67.8
120.0	119.6	15.543	15.525	34.115	25.175	25.702	25.171	281.9	4.223	90.4	1510.0	271.3	157.6
130.0	129.5	14.938	14.919	34.055	25.262	25.835	25.258	273.8	4.501	90.6	1508.1	314.8	30.1
140.0	139.5	13.940	13.920	33.916	25.366	25.986	25.362	263.9	4.772	90.7	1504.9	360.9	184.6
150.0	149.4	13.282	13.261	33.827	25.433	26.098	25.428	257.8	5.032	90.8	1502.8	409.7	9.6
160.0	159.4	12.548	12.527	33.782	25.542	26.255	25.538	247.4	5.286	90.9	1500.4	461.0	124.6
170.0	169.3	12.355	12.333	33.767	25.569	26.326	25.565	245.1	5.532	91.0	1499.9	514.8	48.4
180.0	179.3	11.823	11.800	33.793	25.690	26.494	25.685	233.7	5.772	90.9	1498.3	571.0	97.8
190.0	189.2	11.340	11.317	33.791	25.778	26.628	25.773	225.4	6.002	91.0	1496.7	629.6	83.1
200.0	199.1	10.753	10.729	33.779	25.873	26.771	25.869	216.4	6.222	91.0	1494.8	690.4	133.9
210.0	209.1	9.877	9.853	33.812	26.050	26.996	26.046	199.5	6.432	90.9	1491.8	753.3	252.1
220.0	219.0	9.615	9.590	33.840	26.115	27.107	26.111	193.4	6.627	91.0	1491.1	818.2	40.9
230.0	229.0	9.526	9.501	33.849	26.137	27.175	26.132	191.5	6.820	91.0	1490.9	885.0	88.9
240.0	238.9	9.321	9.295	33.929	26.232	27.316	26.228	182.5	7.008	91.0	1490.4	953.7	57.0
250.0	248.8	8.984	8.957	33.935	26.291	27.422	26.287	177.0	7.188	91.0	1489.3	1024.3	33.2
260.0	258.8	8.735	8.708	33.937	26.331	27.509	26.327	173.2	7.363	90.9	1488.6	1096.5	29.9
270.0	268.7	8.544	8.516	33.958	26.378	27.602	26.374	168.9	7.534	90.9	1488.0	1170.5	70.3
280.0	278.6	8.340	8.311	33.976	26.423	27.694	26.419	164.7	7.701	91.0	1487.4	1246.2	64.7
290.0	288.6	8.174	8.144	33.987	26.457	27.774	26.453	161.6	7.864	90.9	1487.0	1323.5	44.5
300.0	298.5	8.054	8.024	33.999	26.485	27.847	26.480	159.1	8.024	91.0	1486.7	1402.4	7.5
310.0	308.4	7.981	7.949	34.001	26.497	27.905	26.492	158.1	8.182	91.0	1486.6	1482.9	12.8
320.0	318.4	7.825	7.793	34.001	26.520	27.975	26.516	155.9	8.340	90.9	1486.2	1564.9	39.4
330.0	328.3	7.654	7.622	34.000	26.544	28.046	26.540	153.7	8.494	91.0	1485.7	1648.5	15.4
340.0	338.2	7.379	7.346	34.001	26.584	28.133	26.579	149.9	8.646	90.9	1484.8	1733.6	46.4
350.0	348.1	7.194	7.161	33.998	26.608	28.203	26.603	147.7	8.795	90.9	1484.2	1820.2	20.3
360.0	358.1	6.962	6.929	33.999	26.640	28.283	26.635	144.6	8.941	90.9	1483.4	1908.3	48.3
370.0	368.0	6.652	6.618	34.000	26.682	28.374	26.678	140.5	9.083	90.8	1482.4	1997.7	36.9
380.0	377.9	6.497	6.463	33.998	26.702	28.441	26.698	138.6	9.223	90.8	1481.9	2088.6	52.4
390.0	387.9	6.355	6.320	34.003	26.724	28.509	26.720	136.6	9.360	90.8	1481.5	2180.8	35.9
400.0	397.8	6.259	6.223	34.008	26.740	28.572	26.736	135.1	9.495	90.9	1481.3	2274.4	18.9
410.0	407.7	6.135	6.099	34.016	26.763	28.641	26.758	133.0	9.630	90.8	1481.0	2369.3	24.8
420.0	417.6	6.122	6.086	34.016	26.764	28.689	26.760	133.0	9.762	90.7	1481.1	2465.5	11.9
430.0	427.6	6.027	5.990	34.023	26.782	28.753	26.777	131.3	9.894	90.8	1480.9	2563.0	33.6
440.0	437.5	5.980	5.942	34.033	26.795	28.813	26.791	130.1	10.024	90.7	1480.9	2661.8	-13.0
450.0	447.4	5.774	5.736	34.054	26.838	28.903	26.834	126.1	10.152	90.7	1480.3	2761.9	3.9
460.0	457.3	5.675	5.636	34.067	26.860	28.972	26.855	124.0	10.277	90.6	1480.0	2863.3	.0

Station 39 Latitude 32° 29.06'N Longitude 127° 44.10'W 26 Aug 1989 GMT 11:36 Bottom 1500 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.272	19.272	33.447	23.767	23.767	23.767	412.3	.000	90.2	1518.3	.0	.0
10.0	10.0	19.271	19.269	33.446	23.767	23.810	23.767	412.6	.412	90.2	1518.4	2.1	-2.4
20.0	19.9	19.273	19.270	33.446	23.767	23.854	23.766	413.0	.825	90.2	1518.6	8.2	-.3
30.0	29.9	19.275	19.270	33.447	23.767	23.897	23.766	413.3	1.238	90.1	1518.8	18.5	100.4
40.0	39.9	19.647	19.640	33.780	23.927	24.100	23.925	398.5	1.643	90.1	1520.4	32.9	66.0
50.0	49.8	19.477	19.468	33.849	24.024	24.240	24.021	389.6	2.038	90.1	1520.1	51.2	150.6
60.0	59.8	18.667	18.656	33.974	24.325	24.585	24.322	361.2	2.415	90.0	1518.2	73.5	413.7
70.0	69.8	17.718	17.706	34.009	24.586	24.891	24.583	336.6	2.760	90.0	1515.6	99.2	99.4
80.0	79.7	17.266	17.253	34.089	24.756	25.105	24.753	320.7	3.089	90.2	1514.5	128.4	141.2
90.0	89.7	16.922	16.907	34.097	24.844	25.238	24.841	312.6	3.405	90.3	1513.7	160.7	70.3
100.0	99.7	16.625	16.609	34.114	24.927	25.365	24.924	305.0	3.714	90.3	1513.0	196.2	65.5
110.0	109.6	16.445	16.427	34.147	24.994	25.476	24.990	299.0	4.016	90.4	1512.6	234.7	98.0
120.0	119.6	15.954	15.935	34.112	25.080	25.607	25.076	291.0	4.311	90.4	1511.2	276.1	73.1
130.0	129.5	14.775	14.755	33.972	25.233	25.806	25.229	276.6	4.594	90.6	1507.5	320.4	93.9
140.0	139.5	14.305	14.285	33.950	25.317	25.935	25.313	268.8	4.866	90.7	1506.1	367.5	52.9
150.0	149.4	13.616	13.594	33.893	25.416	26.081	25.412	259.4	5.129	90.9	1504.0	417.3	105.2
160.0	159.4	12.816	12.795	33.838	25.534	26.245	25.529	248.3	5.384	90.9	1501.4	469.6	147.2
170.0	169.3	12.170	12.148	33.784	25.617	26.376	25.613	240.4	5.629	90.9	1499.3	524.3	134.5
180.0	179.3	11.307	11.285	33.765	25.763	26.569	25.759	226.6	5.862	90.9	1496.4	581.5	54.7
190.0	189.2	10.902	10.879	33.761	25.833	26.685	25.829	220.0	6.087	90.9	1495.1	640.9	150.9
200.0	199.1	10.421	10.398	33.769	25.923	26.822	25.919	211.5	6.302	91.0	1493.6	702.5	114.2
210.0	209.1	9.925	9.901	33.791	26.024	26.971	26.021	201.9	6.507	91.0	1492.0	766.2	181.2
220.0	219.0	9.465	9.441	33.843	26.142	27.135	26.138	190.7	6.702	91.1	1490.5	831.8	81.3
230.0	229.0	9.401	9.376	33.908	26.203	27.242	26.199	185.2	6.889	91.1	1490.5	899.4	45.0
240.0	238.9	9.226	9.199	33.982	26.290	27.374	26.285	177.1	7.071	91.0	1490.1	968.7	55.2
250.0	248.8	9.016	8.989	33.984	26.324	27.455	26.320	173.9	7.246	91.0	1489.5	1039.9	26.7
260.0	258.8	8.794	8.766	33.978	26.355	27.532	26.351	171.0	7.418	91.0	1488.8	1112.7	47.8
270.0	268.7	8.429	8.401	33.978	26.412	27.636	26.407	165.7	7.587	90.9	1487.6	1187.2	43.6
280.0	278.6	8.342	8.313	33.989	26.433	27.703	26.429	163.8	7.752	91.0	1487.5	1263.4	8.5
290.0	288.6	8.224	8.194	33.988	26.450	27.766	26.446	162.3	7.914	91.0	1487.2	1341.2	14.6
300.0	298.5	8.009	7.978	33.986	26.481	27.844	26.477	159.4	8.075	91.0	1486.5	1420.6	26.3
310.0	308.4	7.868	7.838	33.993	26.507	27.916	26.503	157.0	8.233	91.0	1486.2	1501.6	27.4
320.0	318.4	7.742	7.711	33.996	26.528	27.984	26.524	155.1	8.389	90.9	1485.8	1584.2	44.1
330.0	328.3	7.529	7.497	33.986	26.550	28.053	26.546	153.0	8.543	91.0	1485.2	1668.2	8.3
340.0	338.2	7.469	7.436	33.985	26.559	28.107	26.554	152.4	8.695	90.9	1485.1	1753.8	20.0
350.0	348.2	7.310	7.276	33.989	26.584	28.179	26.580	150.0	8.846	90.9	1484.6	1840.9	13.3
360.0	358.1	7.166	7.132	33.990	26.606	28.247	26.601	148.0	8.996	91.0	1484.2	1929.5	36.4
370.0	368.0	6.968	6.934	33.994	26.636	28.325	26.632	145.1	9.142	90.9	1483.6	2019.5	37.8
380.0	377.9	6.827	6.792	34.001	26.660	28.396	26.656	142.8	9.286	90.9	1483.2	2111.0	8.2
390.0	387.9	6.687	6.651	34.000	26.679	28.461	26.674	141.2	9.428	90.9	1482.9	2203.8	6.4
400.0	397.8	6.542	6.506	34.006	26.702	28.531	26.698	138.9	9.568	90.9	1482.5	2298.1	13.4
410.0	407.7	6.420	6.384	34.011	26.722	28.598	26.717	137.1	9.707	90.9	1482.1	2393.8	12.3
420.0	417.6	6.347	6.310	34.008	26.730	28.652	26.725	136.5	9.843	90.9	1482.0	2490.8	13.4
430.0	427.6	6.164	6.127	34.008	26.752	28.722	26.748	134.3	9.979	90.9	1481.4	2589.1	8.7
440.0	437.5	6.051	6.013	34.011	26.769	28.786	26.765	132.7	10.112	90.8	1481.1	2688.8	23.3
450.0	447.4	5.925	5.886	34.017	26.790	28.854	26.786	130.7	10.244	90.9	1480.8	2789.8	15.4
460.0	457.3	5.867	5.828	34.018	26.798	28.908	26.793	130.1	10.374	90.8	1480.7	2892.1	37.4
470.0	467.3	5.720	5.681	34.027	26.823	28.980	26.818	127.7	10.502	90.8	1480.3	2995.6	15.1
480.0	477.2	5.659	5.619	34.033	26.836	29.039	26.831	126.5	10.630	90.8	1480.2	3100.5	14.2
490.0	487.1	5.578	5.537	34.039	26.851	29.101	26.846	125.2	10.755	90.7	1480.1	3206.5	27.9
500.0	497.0	5.524	5.483	34.046	26.863	29.159	26.858	124.1	10.880	90.8	1480.0	3313.8	15.3
510.0	506.9	5.726	5.683	34.109	26.888	29.227	26.883	122.1	11.003	90.7	1481.1	3422.3	10.4
520.0	516.8	5.703	5.659	34.118	26.898	29.283	26.893	121.3	11.125	90.8	1481.2	3532.1	3.7
530.0	526.8	5.359	5.315	34.101	26.926	29.361	26.921	118.3	11.245	90.8	1479.9	3643.0	12.7
540.0	536.7	5.369	5.324	34.121	26.940	29.421	26.935	117.1	11.363	90.7	1480.2	3755.1	23.6
550.0	546.6	5.266	5.221	34.118	26.951	29.478	26.945	116.1	11.479	90.7	1479.9	3868.3	7.4
560.0	556.5	5.217	5.172	34.112	26.951	29.525	26.946	116.1	11.596	90.7	1479.9	3982.7	-.5
570.0	566.4	5.449	5.401	34.163	26.965	29.581	26.960	115.3	11.711	90.7	1481.0	4098.3	7.2
580.0	576.3	5.262	5.214	34.159	26.983	29.648	26.978	113.4	11.826	90.8	1480.4	4215.0	20.4
590.0	586.3	5.131	5.083	34.156	26.997	29.709	26.991	112.1	11.939	90.7	1480.1	4332.8	13.0
600.0	596.2	4.952	4.904	34.157	27.018	29.779	27.013	109.9	12.050	90.8	1479.5	4451.7	30.0
610.0	606.1	4.892	4.843	34.169	27.034	29.842	27.029	108.4	12.159	90.8	1479.4	4571.6	3.3
620.0	616.0	4.842	4.793	34.174	27.044	29.898	27.038	107.6	12.267	90.7	1479.4	4692.7	5.9
630.0	625.9	4.764	4.715	34.191	27.066	29.967	27.060	105.5	12.373	90.8	1479.3	4814.8	3.9
640.0	635.8	4.748	4.698	34.190	27.068	30.014	27.062	105.4	12.479	90.7	1479.3	4937.9	.7
650.0	645.7	4.662	4.612	34.208	27.091	30.085	27.086	103.1	12.583	90.9	1479.2	5062.1	37.6
660.0	655.6	4.601	4.550	34.224	27.110	30.151	27.105	101.4	12.685	90.9	1479.1	5187.3	9.7
670.0	665.5	4.565	4.514	34.230	27.119	30.206	27.114	100.6	12.786	90.7	1479.1	5313.5	2.7
680.0	675.5	4.558	4.505	34.236	27.125	30.257	27.119	100.2	12.887	90.7	1479.3	5440.7	13.3
690.0	685.3	4.543	4.489	34.241	27.130	30.309	27.124	99.7	12.987	90.7	1479.4	5568.9	7.7
700.0	695.3	4.533	4.479	34.242	27.133	30.357	27.127	99.6	13.086	90.8	1479.5	5698.0	3.6
710.0	705.2	4.516	4.461	34.247	27.138	30.409	27.132	99.1	13.186	90.8	1479.6	5828.1	13.6
720.0	715.1	4.465	4.410	34.262	27.156	30.472	27.149	97.5	13.284	90.7	1479.6	5959.2	9.2
730.0	725.0	4.408	4.352	34.280	27.177	30.540	27.171	95.6	13.381	90.7	1479.5	6091.3	13.3
740.0	734.9	4.373	4.317	34.292	27.190	30.600	27.184	94.4	13.476	90.7	1479.6	6224.3	7.7
750.0	744.8	4.341	4.284	34.301	27.200	30.656	27.194	93.4	13.570	90.8	1479.6	6358.2	1.3
760.0	754.7	4.319	4.261	34.306	27.206	30.709	27.200	92.9	13.663	90.7	1479.7	6493.1	13.6
770.0	764.6	4.293	4.235	34.316	27.217	30.766	27.211	91.9	13.755	90.7	1479.8	6628.9	6.3
780.0	774.5	4.273	4.214	34.327	27.229	30.823	27.223	90.9	13.847	90.7	1479.9	6765.5	14.5
790.0	784.4	4.260	4.200	34.331	27.233	30.874	27.227	90.6	13.938	90.7	1480.0	6903.1	3.6
800.0	794.3	4.250	4.190	34.334	27.236	30.923	27.230	90.4	14.028	90.7	1480.1	7041.5	-.2
810.0	804.2	4.224	4.163	34.341	27.245	30.977	27.239	89.6	14.118	90.7	1480.2	7180.9	6.3
820.0	814.1	4.201	4.139	34.346	27.251	31.030	27.245	89.1	14.208	90.7	1480.2	7321.1	3.1
830.0	824.0	4.176	4.113	34.352	27.259	31.083	27.252	88.4	14.296	90.7	1480.3	7462.2	2.2
840.0	833.9	4.147	4.083	34.359	27.268	31.139	27.261	87.6	14.384	90.7	1480.4	7604.1	25.9
850.0	843.8	4.080	4.016	34.369	27.283	31.201	27.276	86.2	14.471	90.7	1480.3	7746.9	5.1
860.0	853.7	4.040	3.976	34.375	27.291	31.256	27.285	85.4	14.557	90.7	1480.3	7890.6	5.7
870.0	863.6	4.035	3.970	34.375	27.292	31.303	27.286	85.4	14.643	90.7	1480.4	8035.1	.7
880.0	873.5	4.010	3.944	34.380	27.299	31.355	27.292	84.9	14.728	90.7	1480.5	8180.5	1.9
890.0	883.4	3.980	3.913	34.387	27.308	31.410	27.301	84.0	14.812	90.7	1480.5	8326.6	17.7
900.0	893.3	3.953	3.886	34.392	27.314	31.463	27.307	83.4	14.896	90.7	1480.6	8473.6	5.7
910.0	903.2	3.906	3.839	34.403	27.327	31.523	27.321	82.2	14.979	90.7	1480.6	8621.4	9.5
920.0	913.1	3.846	3.778	34.416	27.344	31.587	27.337	80.6	15.060	90.7	1480.5	8770.0	19.2
930.0	923.0	3.794	3.726	34.425	27.356	31.646	27.350	79.4	15.140	90.7	1480.4	8919.4	6.6
940.0	932.9	3.764	3.695	34.431	27.364	31.700	27.357	78.7	15.219	90.7	1480.5	9069.6	8.3
950.0	942.8	3.725	3.656	34.439	27.375	31.757	27.368	77.7	15.297	90.7	1480.5	9220.6	3.4
960.0	952.6	3.692	3.622	34.446	27.384	31.813	27.377	76.9	15.375	90.7	1480.5	9372.3	5.1
970.0	962.5	3.664	3.593	34.455	27.394	31.869	27.387	76.0	15.451	90.7	1480.6	9524.8	5.7
980.0	972.4	3.655	3.584	34.456	27.396	31.917	27.389	75.9	15.527	90.7	1480.7	9678.0	3.4
990.0	982.3	3.596	3.524	34.466	27.410	31.978	27.403	74.5	15.602	90.7	1480.7	9831.9	12.8

Station 39 Latitude 32° 29.06'N Longitude 127° 44.10'W 26 Aug 1989 GMT 11:36 Bottom 1500 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
1000.0	992.2	3.576	3.503	34.470	27.415	32.029	27.407	74.1	15.677	90.6	1480.7	9986.6	2.2
1020.0	1012.0	3.549	3.475	34.475	27.421	32.128	27.414	73.5	15.824	90.6	1481.0	10298.1	1.9
1040.0	1031.8	3.461	3.386	34.485	27.438	32.238	27.431	71.9	15.970	90.6	1480.9	10612.5	11.0
1060.0	1051.5	3.430	3.354	34.487	27.443	32.335	27.435	71.6	16.113	90.6	1481.1	10929.7	3.7
1080.0	1071.3	3.414	3.336	34.490	27.447	32.430	27.439	71.3	16.256	90.7	1481.4	11249.8	4.6
1100.0	1091.1	3.350	3.271	34.499	27.460	32.537	27.453	70.0	16.397	90.7	1481.5	11572.6	-.4
1120.0	1110.8	3.336	3.256	34.505	27.466	32.634	27.458	69.6	16.537	90.7	1481.8	11898.1	2.6
1140.0	1130.6	3.308	3.226	34.507	27.471	32.731	27.463	69.2	16.676	90.6	1482.0	12226.4	1.4
1160.0	1150.4	3.266	3.183	34.511	27.478	32.830	27.470	68.6	16.814	90.6	1482.1	12557.4	1.1
1180.0	1170.2	3.237	3.153	34.514	27.483	32.927	27.475	68.2	16.951	90.6	1482.3	12891.0	1.4
1200.0	1189.9	3.200	3.114	34.519	27.490	33.027	27.482	67.6	17.087	90.7	1482.5	13227.3	1.7
1220.0	1209.7	3.180	3.093	34.521	27.494	33.122	27.486	67.3	17.222	90.7	1482.8	13566.3	2.3
1240.0	1229.4	3.149	3.061	34.524	27.499	33.219	27.491	66.9	17.356	90.6	1483.0	13907.8	4.1
1260.0	1249.2	3.113	3.023	34.528	27.507	33.319	27.498	66.3	17.489	90.7	1483.1	14252.0	.3
1280.0	1268.9	3.066	2.975	34.533	27.515	33.420	27.507	65.5	17.620	90.6	1483.3	14598.8	2.9
1300.0	1288.7	3.037	2.945	34.537	27.520	33.517	27.512	65.0	17.751	90.7	1483.5	14948.1	1.2
1320.0	1308.4	2.997	2.903	34.541	27.528	33.617	27.519	64.3	17.880	90.7	1483.7	15299.9	.0
1340.0	1328.2	2.974	2.880	34.543	27.531	33.713	27.523	64.0	18.009	90.6	1483.9	15654.3	3.6
1360.0	1347.9	2.936	2.840	34.547	27.538	33.811	27.529	63.4	18.136	90.7	1484.1	16011.1	3.9
1380.0	1367.7	2.889	2.792	34.552	27.546	33.912	27.538	62.6	18.262	90.6	1484.2	16370.5	-.2
1400.0	1387.4	2.870	2.771	34.554	27.550	34.007	27.541	62.4	18.387	90.6	1484.5	16732.2	10.0
1420.0	1407.2	2.826	2.726	34.558	27.557	34.107	27.548	61.7	18.511	90.6	1484.6	17096.4	8.3
1440.0	1426.9	2.792	2.691	34.562	27.563	34.205	27.554	61.2	18.634	90.6	1484.8	17463.0	3.9
1460.0	1446.6	2.765	2.663	34.564	27.567	34.301	27.559	60.8	18.756	90.6	1485.0	17831.9	-.2
1480.0	1466.4	2.755	2.651	34.565	27.569	34.394	27.560	60.7	18.877	90.7	1485.3	18203.2	2.8
1500.0	1486.1	2.714	2.609	34.570	27.576	34.494	27.567	60.0	18.998	90.6	1485.5	18576.9	1.9
1516.0	1501.9	2.693	2.587	34.572	27.580	34.571	27.571	59.7	19.093	90.7	1485.7	18877.5	.0

Station 40 Latitude 32° 32.21'N Longitude 127° 42.85'W 26 Aug 1989 GMT 13:09 Bottom 3200 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.260	19.260	33.449	23.771	23.771	23.771	411.9	.000	90.1	1518.3	.0	.0
10.0	10.0	19.267	19.265	33.449	23.770	23.813	23.769	412.3	.412	90.2	1518.4	2.1	-5.2
20.0	19.9	19.266	19.263	33.449	23.770	23.857	23.769	412.7	.825	90.2	1518.6	8.2	-.2
30.0	29.9	19.276	19.271	33.452	23.771	23.901	23.770	413.0	1.237	90.2	1518.8	18.5	8.2
40.0	39.9	19.615	19.607	33.740	23.904	24.077	23.903	400.7	1.643	90.1	1520.2	32.9	38.1
50.0	49.8	19.626	19.617	33.827	23.968	24.185	23.966	394.9	2.040	90.1	1520.5	51.2	32.0
60.0	59.8	19.084	19.073	33.906	24.168	24.428	24.165	376.3	2.430	90.1	1519.3	73.5	289.0
70.0	69.8	17.716	17.704	33.986	24.569	24.874	24.566	338.3	2.784	90.1	1515.6	99.5	168.8
80.0	79.7	17.191	17.178	34.056	24.749	25.098	24.746	321.4	3.115	90.1	1514.3	128.9	91.7
90.0	89.7	17.050	17.036	34.088	24.807	25.200	24.803	316.2	3.434	90.3	1514.1	161.5	36.6
100.0	99.7	16.726	16.710	34.089	24.884	25.321	24.880	309.2	3.746	90.3	1513.3	197.3	60.3
110.0	109.6	16.555	16.538	34.146	24.969	25.450	24.964	301.4	4.051	90.3	1513.0	236.1	121.8
120.0	119.6	15.655	15.637	34.094	25.134	25.661	25.130	285.9	4.345	90.4	1510.3	277.9	68.6
130.0	129.5	15.041	15.021	34.030	25.220	25.793	25.216	277.8	4.627	90.5	1508.4	322.6	68.8
140.0	139.5	13.945	13.925	33.929	25.376	25.995	25.372	263.1	4.898	90.7	1504.9	370.0	116.6
150.0	149.4	13.020	12.999	33.850	25.503	26.169	25.499	251.0	5.155	90.9	1501.9	420.0	127.6
160.0	159.4	12.643	12.622	33.826	25.558	26.271	25.554	245.9	5.403	90.8	1500.8	472.5	65.7
170.0	169.3	11.867	11.845	33.774	25.666	26.426	25.662	235.7	5.646	91.0	1498.2	527.5	189.2
180.0	179.3	11.355	11.333	33.764	25.754	26.559	25.750	227.5	5.877	91.0	1496.6	584.8	46.8
190.0	189.2	10.835	10.812	33.757	25.842	26.694	25.838	219.1	6.101	91.0	1494.9	644.3	61.3
200.0	199.1	10.371	10.347	33.757	25.923	26.822	25.919	211.5	6.317	91.1	1493.4	706.1	131.8
210.0	209.1	10.053	10.029	33.788	26.001	26.947	25.997	204.1	6.524	91.1	1492.4	769.9	130.3
220.0	219.0	9.693	9.669	33.820	26.086	27.079	26.082	196.1	6.723	91.1	1491.3	835.7	124.7
230.0	229.0	9.378	9.352	33.873	26.179	27.218	26.175	187.4	6.913	91.0	1490.4	903.5	83.9
240.0	238.9	8.994	8.968	33.876	26.243	27.329	26.239	181.3	7.099	91.0	1489.1	973.1	115.2
250.0	248.8	8.758	8.732	33.899	26.299	27.431	26.294	176.2	7.277	91.0	1488.4	1044.5	68.8
260.0	258.8	8.605	8.578	33.946	26.359	27.537	26.355	170.6	7.450	91.1	1488.1	1117.7	43.3
270.0	268.7	8.443	8.415	33.962	26.396	27.621	26.392	167.1	7.619	91.0	1487.7	1192.6	45.4
280.0	278.6	8.259	8.230	33.963	26.425	27.696	26.421	164.5	7.784	91.0	1487.1	1269.1	32.2
290.0	288.6	8.150	8.121	33.983	26.458	27.775	26.454	161.5	7.947	91.0	1486.9	1347.2	21.9
300.0	298.5	8.028	7.998	33.991	26.482	27.845	26.478	159.3	8.108	91.0	1486.6	1426.9	15.7
310.0	308.4	7.980	7.949	33.993	26.491	27.899	26.486	158.6	8.267	90.9	1486.6	1508.2	45.0
320.0	318.4	7.756	7.724	33.985	26.517	27.972	26.513	156.2	8.424	90.9	1485.9	1591.1	22.7
330.0	328.3	7.584	7.552	33.986	26.543	28.045	26.538	153.8	8.579	90.9	1485.4	1675.5	28.0
340.0	338.2	7.412	7.379	33.999	26.577	28.126	26.573	150.6	8.731	90.9	1484.9	1761.5	18.0
350.0	348.2	7.209	7.176	33.990	26.599	28.195	26.595	148.5	8.880	90.9	1484.2	1848.9	13.0
360.0	358.1	7.066	7.032	33.994	26.622	28.264	26.618	146.4	9.028	90.9	1483.8	1937.8	14.1
370.0	368.0	6.919	6.885	33.992	26.641	28.330	26.636	144.7	9.174	90.8	1483.4	2028.2	34.9
380.0	377.9	6.780	6.745	33.997	26.663	28.399	26.658	142.6	9.317	90.9	1483.1	2119.9	18.5
390.0	387.9	6.685	6.650	34.001	26.679	28.461	26.674	141.1	9.459	90.8	1482.8	2213.1	23.7
400.0	397.8	6.530	6.494	33.998	26.698	28.527	26.693	139.4	9.599	90.8	1482.4	2307.7	23.1
410.0	407.7	6.406	6.369	33.999	26.715	28.591	26.710	137.8	9.737	90.8	1482.1	2403.6	9.0
420.0	417.6	6.337	6.300	34.000	26.724	28.646	26.719	137.0	9.875	90.8	1482.0	2501.0	14.6
430.0	427.6	6.225	6.187	34.002	26.741	28.709	26.736	135.4	10.011	90.8	1481.7	2599.6	27.2
440.0	437.5	6.073	6.035	34.005	26.762	28.778	26.757	133.4	10.145	90.8	1481.2	2699.6	25.7
450.0	447.4	5.948	5.909	34.012	26.784	28.847	26.779	131.4	10.278	90.8	1480.9	2801.0	14.8
460.0	457.3	5.859	5.820	34.027	26.806	28.916	26.801	129.3	10.408	90.8	1480.7	2903.6	15.1
470.0	467.3	5.745	5.705	34.033	26.825	28.981	26.820	127.5	10.536	90.7	1480.4	3007.5	27.4
480.0	477.2	5.718	5.677	34.052	26.844	29.046	26.839	125.9	10.664	90.7	1480.5	3112.6	47.6
490.0	487.1	5.785	5.743	34.098	26.872	29.119	26.867	123.4	10.788	90.8	1481.0	3219.0	7.5
500.0	497.0	5.618	5.576	34.101	26.895	29.189	26.889	121.2	10.910	90.8	1480.5	3326.6	27.1
510.0	506.9	5.687	5.644	34.127	26.907	29.247	26.902	120.3	11.031	90.8	1481.0	3435.4	18.9
520.0	516.8	5.592	5.548	34.127	26.919	29.305	26.913	119.2	11.151	90.8	1480.8	3545.4	17.7
530.0	526.8	5.509	5.465	34.132	26.932	29.365	26.927	117.9	11.270	90.8	1480.6	3656.6	-1.6
540.0	536.7	5.455	5.410	34.130	26.938	29.417	26.932	117.5	11.388	90.8	1480.5	3769.0	5.7
550.0	546.6	5.336	5.291	34.128	26.950	29.477	26.945	116.3	11.504	90.8	1480.2	3882.5	7.5
560.0	556.5	5.337	5.291	34.147	26.965	29.537	26.959	115.0	11.620	90.7	1480.4	3997.1	10.1
570.0	566.4	5.177	5.131	34.143	26.981	29.601	26.976	113.4	11.734	90.8	1479.9	4112.9	9.5
580.0	576.3	5.264	5.217	34.171	26.993	29.657	26.987	112.5	11.847	90.7	1480.5	4229.8	7.2
590.0	586.3	5.126	5.078	34.169	27.008	29.720	27.002	111.0	11.959	90.8	1480.1	4347.8	4.2
600.0	596.2	5.082	5.034	34.173	27.016	29.775	27.010	110.3	12.070	90.7	1480.0	4466.9	17.4
610.0	606.1	4.892	4.844	34.167	27.033	29.840	27.028	108.6	12.179	90.7	1479.4	4587.0	21.2
620.0	616.0	4.856	4.807	34.182	27.049	29.902	27.043	107.1	12.287	90.7	1479.5	4708.3	10.6
630.0	625.9	4.766	4.717	34.187	27.063	29.963	27.057	105.8	12.393	90.7	1479.3	4830.6	15.0
640.0	635.8	4.722	4.672	34.197	27.076	30.023	27.070	104.6	12.498	90.7	1479.3	4953.9	17.6
650.0	645.7	4.679	4.628	34.204	27.087	30.080	27.081	103.6	12.602	90.7	1479.2	5078.3	17.4
660.0	655.6	4.640	4.589	34.211	27.096	30.136	27.090	102.8	12.705	90.8	1479.3	5203.7	4.5
670.0	665.5	4.548	4.496	34.226	27.118	30.205	27.112	100.7	12.807	90.7	1479.1	5330.1	12.9
680.0	675.4	4.524	4.471	34.231	27.125	30.258	27.119	100.1	12.907	90.7	1479.1	5457.5	3.9
690.0	685.3	4.505	4.452	34.238	27.133	30.312	27.127	99.5	13.007	90.7	1479.2	5585.9	1.8
700.0	695.3	4.506	4.452	34.254	27.145	30.370	27.139	98.4	13.106	90.9	1479.4	5715.2	11.2
710.0	705.2	4.484	4.429	34.266	27.157	30.427	27.151	97.4	13.204	90.7	1479.5	5845.5	12.4
720.0	715.1	4.435	4.380	34.275	27.170	30.487	27.164	96.2	13.300	90.8	1479.5	5976.8	9.5
730.0	725.0	4.401	4.345	34.281	27.178	30.542	27.172	95.4	13.396	90.7	1479.5	6109.0	3.0
740.0	734.9	4.380	4.324	34.291	27.188	30.598	27.182	94.6	13.491	90.8	1479.6	6242.2	5.1
750.0	744.8	4.321	4.264	34.294	27.197	30.653	27.191	93.7	13.585	90.8	1479.5	6376.3	1.8
760.0	754.7	4.306	4.248	34.297	27.201	30.704	27.195	93.3	13.679	90.8	1479.6	6511.3	11.5
770.0	764.6	4.302	4.243	34.305	27.208	30.756	27.202	92.9	13.772	90.7	1479.8	6647.2	8.9
780.0	774.5	4.294	4.235	34.317	27.218	30.812	27.212	92.0	13.865	90.7	1479.9	6784.0	16.5
790.0	784.4	4.297	4.237	34.332	27.229	30.869	27.223	91.0	13.956	90.7	1480.1	6921.8	16.8
800.0	794.3	4.252	4.191	34.329	27.233	30.919	27.226	90.7	14.047	90.7	1480.1	7060.4	8.0
810.0	804.2	4.192	4.131	34.337	27.245	30.978	27.239	89.6	14.137	90.7	1480.0	7199.9	14.8
820.0	814.1	4.207	4.145	34.353	27.256	31.035	27.250	88.6	14.226	90.7	1480.3	7340.3	6.6
830.0	824.0	4.135	4.072	34.357	27.268	31.093	27.261	87.5	14.314	90.7	1480.1	7481.6	11.3
840.0	833.9	4.102	4.039	34.361	27.274	31.146	27.267	87.0	14.402	90.7	1480.2	7623.7	6.6
850.0	843.8	4.091	4.027	34.364	27.278	31.195	27.271	86.7	14.488	90.7	1480.3	7766.7	9.2
860.0	853.7	4.044	3.980	34.376	27.292	31.256	27.285	85.4	14.575	90.7	1480.3	7910.5	7.2
870.0	863.6	4.022	3.957	34.381	27.299	31.309	27.292	84.8	14.660	90.6	1480.4	8055.2	8.0
880.0	873.5	3.986	3.921	34.388	27.308	31.364	27.301	84.0	14.744	90.7	1480.4	8200.7	10.1
890.0	883.4	3.963	3.896	34.397	27.317	31.420	27.310	83.1	14.828	90.7	1480.5	8347.0	13.0
900.0	893.3	3.937	3.870	34.401	27.323	31.472	27.316	82.6	14.910	90.7	1480.5	8494.2	7.5
910.0	903.2	3.905	3.837	34.406	27.330	31.526	27.323	81.9	14.993	90.7	1480.6	8642.1	1.9
920.0	913.1	3.885	3.817	34.410	27.335	31.577	27.329	81.5	15.074	90.6	1480.6	8790.9	4.3
930.0	923.0	3.844	3.775	34.418	27.346	31.634	27.339	80.5	15.155	90.7	1480.6	8940.4	4.0
940.0	932.9	3.817	3.748	34.423	27.353	31.688	27.346	79.9	15.235	90.7	1480.7	9090.8	4.0
950.0	942.8	3.800	3.730	34.426	27.358	31.738	27.350	79.5	15.315	90.7	1480.8	9241.9	6.3
960.0	952.6	3.785	3.714	34.429	27.361	31.788	27.354	79.2	15.394	90.7	1480.9	9393.8	4.0
970.0	962.5	3.757	3.686	34.435	27.369	31.842	27.362	78.5	15.473	90.7	1481.0	9546.5	10.1
980.0	972.4	3.741	3.669	34.439	27.373	31.892	27.366	78.1	15.552	90.7	1481.1	9699.9	5.7
990.0	982.3	3.725	3.652	34.442	27.378	31.942	27.370	77.8	15.630	90.6	1481.2	9854.1	4.9

Station 40 Latitude 32° 32.21'N Longitude 127° 42.85'W 26 Aug 1989 GMT 13:09 Bottom 3200 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.701	3.627	34.446	27.383	31.994	27.376	77.3	15.707	90.7	1481.2	10009.1	14.0
1020.0	1012.0	3.627	3.553	34.460	27.402	32.106	27.394	75.5	15.860	90.6	1481.3	10321.3	11.6
1040.0	1031.8	3.603	3.527	34.469	27.412	32.208	27.404	74.8	16.010	90.6	1481.5	10636.4	10.5
1060.0	1051.5	3.548	3.471	34.478	27.424	32.313	27.417	73.6	16.158	90.7	1481.6	10954.5	7.5
1080.0	1071.3	3.497	3.419	34.489	27.438	32.419	27.430	72.4	16.304	90.6	1481.8	11275.5	8.4
1100.0	1091.1	3.462	3.383	34.492	27.444	32.517	27.436	71.9	16.449	90.7	1481.9	11599.3	2.9
1120.0	1110.8	3.417	3.336	34.497	27.452	32.618	27.444	71.1	16.592	90.7	1482.1	11925.9	4.0
1140.0	1130.6	3.362	3.280	34.504	27.463	32.721	27.455	70.1	16.733	90.6	1482.2	12255.2	3.5
1160.0	1150.4	3.328	3.245	34.507	27.469	32.819	27.461	69.7	16.873	90.7	1482.4	12587.3	1.1
1180.0	1170.2	3.295	3.210	34.511	27.476	32.918	27.468	69.1	17.011	90.6	1482.6	12922.2	3.2
1200.0	1189.9	3.248	3.162	34.518	27.486	33.020	27.477	68.2	17.149	90.7	1482.7	13259.7	1.2
1220.0	1209.7	3.220	3.133	34.520	27.490	33.117	27.482	67.8	17.285	90.6	1482.9	13599.9	2.6
1240.0	1229.4	3.180	3.092	34.525	27.498	33.217	27.489	67.1	17.420	90.7	1483.1	13942.7	3.5
1260.0	1249.2	3.138	3.049	34.529	27.504	33.316	27.496	66.5	17.553	90.6	1483.3	14288.2	2.4
1280.0	1268.9	3.098	3.007	34.533	27.512	33.416	27.504	65.8	17.686	90.6	1483.4	14636.2	7.4
1300.0	1288.7	3.064	2.972	34.536	27.517	33.513	27.509	65.4	17.817	90.6	1483.6	14986.8	.9
1320.0	1308.4	3.038	2.945	34.538	27.521	33.609	27.513	65.1	17.948	90.6	1483.8	15340.0	3.3
1340.0	1328.2	3.000	2.905	34.541	27.528	33.708	27.519	64.5	18.077	90.6	1484.0	15695.7	1.8
1360.0	1347.9	2.971	2.875	34.544	27.533	33.804	27.524	64.1	18.206	90.6	1484.2	16053.9	4.8
1380.0	1367.7	2.940	2.843	34.547	27.538	33.902	27.529	63.6	18.333	90.6	1484.4	16414.6	4.8
1400.0	1387.4	2.907	2.808	34.551	27.544	34.000	27.535	63.0	18.460	90.6	1484.6	16777.8	3.3
1420.0	1407.2	2.890	2.789	34.553	27.548	34.095	27.539	62.8	18.586	90.6	1484.9	17143.4	4.2
1440.0	1426.9	2.852	2.751	34.557	27.554	34.194	27.545	62.2	18.711	90.6	1485.1	17511.5	3.1
1460.0	1446.6	2.799	2.697	34.560	27.561	34.294	27.552	61.5	18.834	90.6	1485.2	17882.0	1.3
1480.0	1466.4	2.760	2.657	34.564	27.568	34.392	27.559	60.9	18.956	90.6	1485.3	18254.9	1.0
1500.0	1486.1	2.721	2.617	34.567	27.574	34.491	27.565	60.3	19.077	90.5	1485.5	18630.1	4.3
1520.0	1505.8	2.695	2.589	34.570	27.578	34.587	27.569	59.9	19.198	90.6	1485.7	19007.7	3.7
1540.0	1525.6	2.676	2.569	34.571	27.581	34.681	27.572	59.7	19.317	90.5	1486.0	19387.6	1.6
1560.0	1545.3	2.637	2.528	34.575	27.587	34.780	27.578	59.1	19.436	90.6	1486.1	19769.8	3.7
1580.0	1565.0	2.618	2.508	34.576	27.590	34.874	27.581	58.8	19.554	90.6	1486.4	20154.3	3.4
1600.0	1584.7	2.593	2.481	34.580	27.595	34.971	27.586	58.4	19.671	90.6	1486.6	20541.1	.2
1620.0	1604.4	2.555	2.442	34.583	27.601	35.069	27.591	57.8	19.787	90.6	1486.8	20930.2	-1.2
1640.0	1624.2	2.527	2.413	34.584	27.605	35.164	27.595	57.5	19.903	90.6	1487.0	21321.5	2.0
1660.0	1643.9	2.504	2.388	34.587	27.609	35.260	27.600	57.1	20.017	90.6	1487.3	21715.0	.5
1680.0	1663.6	2.475	2.359	34.589	27.613	35.356	27.604	56.7	20.131	90.6	1487.5	22110.8	2.3
1700.0	1683.3	2.448	2.330	34.592	27.618	35.452	27.608	56.3	20.244	90.6	1487.7	22508.7	2.0
1720.0	1703.0	2.415	2.296	34.594	27.622	35.549	27.612	55.9	20.356	90.5	1487.9	22908.9	5.0
1740.0	1722.7	2.382	2.262	34.596	27.627	35.645	27.617	55.4	20.468	90.7	1488.1	23311.2	1.5
1760.0	1742.4	2.364	2.242	34.597	27.630	35.739	27.620	55.2	20.578	90.6	1488.3	23715.6	.6
1780.0	1762.1	2.338	2.215	34.601	27.635	35.836	27.625	54.7	20.688	90.6	1488.6	24122.2	1.2
1800.0	1781.8	2.308	2.183	34.604	27.640	35.932	27.629	54.2	20.797	90.6	1488.8	24530.9	-.2
1820.0	1801.5	2.289	2.163	34.606	27.643	36.027	27.632	53.9	20.905	90.6	1489.0	24941.7	.4
1840.0	1821.2	2.251	2.124	34.608	27.648	36.124	27.638	53.4	21.013	90.7	1489.2	25354.5	-.5
1860.0	1840.9	2.230	2.102	34.609	27.651	36.218	27.640	53.2	21.119	90.6	1489.4	25769.5	.4
1880.0	1860.6	2.217	2.087	34.610	27.653	36.311	27.642	53.1	21.226	90.6	1489.7	26186.5	6.3
1900.0	1880.3	2.198	2.067	34.613	27.657	36.406	27.646	52.7	21.331	90.6	1490.0	26605.5	-1.1
1920.0	1900.0	2.188	2.056	34.615	27.659	36.499	27.648	52.5	21.436	90.6	1490.3	27026.6	.7
1940.0	1919.7	2.180	2.046	34.615	27.660	36.591	27.649	52.5	21.541	90.6	1490.6	27449.7	-.4
1960.0	1939.4	2.157	2.021	34.618	27.664	36.686	27.653	52.1	21.646	90.6	1490.8	27874.8	6.3
1980.0	1959.1	2.142	2.005	34.619	27.666	36.779	27.655	51.9	21.750	90.5	1491.1	28302.0	3.4
2000.0	1978.8	2.128	1.989	34.621	27.669	36.873	27.658	51.7	21.854	90.6	1491.3	28731.1	.8
2050.0	2028.0	2.096	1.954	34.624	27.674	37.105	27.663	51.3	22.111	90.5	1492.1	29812.7	1.4
2100.0	2077.1	2.066	1.920	34.627	27.679	37.336	27.667	50.9	22.367	90.5	1492.8	30906.7	.9
2150.0	2126.3	2.005	1.855	34.633	27.689	37.574	27.677	49.9	22.619	90.6	1493.3	32012.9	1.5
2200.0	2175.5	1.922	1.769	34.641	27.702	37.816	27.690	48.5	22.865	90.5	1493.8	33131.1	5.6
2250.0	2224.7	1.896	1.739	34.643	27.706	38.046	27.694	48.2	23.107	90.6	1494.6	34261.0	-1.4
2300.0	2273.8	1.863	1.703	34.646	27.711	38.277	27.699	47.8	23.347	90.6	1495.3	35402.4	3.1
2350.0	2322.9	1.837	1.673	34.649	27.716	38.507	27.703	47.4	23.585	90.6	1496.0	36555.4	-1.0
2400.0	2372.1	1.817	1.649	34.650	27.719	38.735	27.706	47.2	23.821	90.5	1496.8	37719.7	.8
2450.0	2421.2	1.797	1.625	34.653	27.722	38.964	27.710	47.0	24.057	90.5	1497.5	38895.4	.3
2500.0	2470.3	1.789	1.612	34.654	27.724	39.189	27.711	47.0	24.292	90.5	1498.3	40082.3	.3
2550.0	2519.4	1.773	1.592	34.655	27.727	39.416	27.713	46.9	24.527	90.5	1499.1	41280.5	1.2
2600.0	2568.4	1.746	1.561	34.658	27.731	39.645	27.717	46.5	24.760	90.5	1499.8	42489.9	3.6
2650.0	2617.5	1.730	1.541	34.659	27.733	39.871	27.720	46.3	24.992	90.5	1500.6	43710.4	-.4
2700.0	2666.5	1.717	1.523	34.661	27.736	40.097	27.722	46.2	25.223	90.6	1501.4	44942.1	-.7
2750.0	2715.6	1.704	1.506	34.662	27.739	40.323	27.724	46.1	25.454	90.5	1502.2	46184.7	-.1
2800.0	2764.6	1.691	1.489	34.664	27.741	40.548	27.726	46.0	25.684	90.5	1503.0	47438.4	1.2
2850.0	2813.6	1.671	1.464	34.666	27.744	40.775	27.729	45.7	25.913	90.5	1503.7	48703.0	2.1
2900.0	2862.6	1.662	1.451	34.666	27.746	40.998	27.730	45.7	26.142	90.5	1504.6	49978.6	-2.6
2950.0	2911.6	1.641	1.426	34.668	27.749	41.225	27.734	45.4	26.370	90.5	1505.3	51265.1	.7
3000.0	2960.6	1.627	1.407	34.670	27.752	41.449	27.736	45.3	26.597	90.5	1506.1	52562.4	.5
3012.0	2972.4	1.622	1.401	34.670	27.753	41.503	27.736	45.2	26.651	90.5	1506.3	52875.4	.0

Station 41 Latitude 32° 39.75'N Longitude 127° 37.44'W 26 Aug 1989 GMT 15:44 Bottom 4325 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.311	19.311	33.497	23.795	23.795	23.795	409.6	.000	90.1	1518.5	.0	.0
10.0	10.0	19.314	19.312	33.497	23.795	23.838	23.794	410.0	.410	90.2	1518.6	2.0	-1.9
20.0	19.9	19.317	19.313	33.498	23.795	23.882	23.794	410.3	.820	90.2	1518.8	8.2	.0
30.0	29.9	19.324	19.318	33.501	23.796	23.926	23.795	410.6	1.230	90.3	1519.0	18.4	1.6
40.0	39.9	19.319	19.312	33.499	23.796	23.969	23.794	411.0	1.641	90.2	1519.1	32.7	9.8
50.0	49.8	19.629	19.620	33.807	23.952	24.169	23.950	396.4	2.045	90.2	1520.5	51.1	38.4
60.0	59.8	19.013	19.002	33.964	24.230	24.491	24.228	370.3	2.437	90.1	1519.1	73.4	966.6
70.0	69.8	17.793	17.781	34.045	24.595	24.900	24.592	335.8	2.786	90.1	1515.9	99.5	241.1
80.0	79.7	17.085	17.072	34.004	24.734	25.084	24.731	322.8	3.116	90.2	1513.9	128.9	134.7
90.0	89.7	16.968	16.953	34.096	24.833	25.226	24.829	313.7	3.434	90.3	1513.8	161.5	97.5
100.0	99.7	16.764	16.747	34.109	24.891	25.328	24.887	308.5	3.746	90.3	1513.4	197.2	65.0
110.0	109.6	16.725	16.707	34.201	24.971	25.452	24.967	301.2	4.050	90.3	1513.5	236.1	26.9
120.0	119.6	16.226	16.207	34.137	25.037	25.563	25.033	295.1	4.349	90.3	1512.1	277.9	67.3
130.0	129.5	15.600	15.580	34.091	25.144	25.715	25.139	285.2	4.640	90.5	1510.3	322.6	150.3
140.0	139.5	14.905	14.884	34.014	25.237	25.855	25.233	276.4	4.919	90.7	1508.2	370.2	32.2
150.0	149.4	13.942	13.920	33.898	25.353	26.017	25.349	265.5	5.190	90.7	1505.1	420.5	68.9
160.0	159.4	13.403	13.381	33.875	25.446	26.156	25.441	256.8	5.451	90.9	1503.4	473.4	34.0
170.0	169.3	12.671	12.648	33.814	25.544	26.300	25.539	247.6	5.703	90.9	1501.0	528.9	165.6
180.0	179.3	11.773	11.750	33.762	25.675	26.479	25.671	235.0	5.942	91.0	1498.0	586.8	71.2
190.0	189.2	11.151	11.128	33.742	25.773	26.624	25.769	225.8	6.171	91.1	1496.0	647.1	29.5
200.0	199.1	10.644	10.620	33.750	25.870	26.768	25.866	216.6	6.394	91.0	1494.4	709.5	148.3
210.0	209.1	10.105	10.081	33.752	25.964	26.909	25.960	207.7	6.608	91.1	1492.6	774.2	32.5
220.0	219.0	9.910	9.885	33.783	26.021	27.013	26.017	202.4	6.813	91.0	1492.1	840.9	70.5
230.0	229.0	9.444	9.419	33.764	26.083	27.122	26.079	196.5	7.014	91.0	1490.5	909.6	102.1
240.0	238.9	9.226	9.200	33.827	26.169	27.253	26.164	188.5	7.207	91.0	1489.9	980.3	124.3
250.0	248.9	8.960	8.934	33.862	26.238	27.369	26.234	182.0	7.391	91.0	1489.1	1052.8	44.0
260.0	258.8	8.735	8.708	33.899	26.302	27.480	26.298	176.0	7.571	91.0	1488.5	1127.2	99.0
270.0	268.7	8.541	8.512	33.927	26.354	27.578	26.350	171.2	7.744	90.9	1488.0	1203.2	44.5
280.0	278.6	8.336	8.307	33.949	26.403	27.673	26.399	166.6	7.913	90.8	1487.4	1281.0	49.2
290.0	288.6	8.134	8.105	33.963	26.444	27.761	26.440	162.8	8.078	90.9	1486.8	1360.4	61.1
300.0	298.5	7.944	7.914	33.972	26.480	27.843	26.476	159.5	8.239	90.9	1486.3	1441.5	33.3
310.0	308.5	7.824	7.793	33.976	26.500	27.910	26.496	157.6	8.397	90.9	1486.0	1524.1	6.0
320.0	318.4	7.668	7.637	33.982	26.528	27.984	26.523	155.1	8.554	91.0	1485.5	1608.2	23.0
330.0	328.3	7.532	7.500	33.993	26.556	28.058	26.551	152.5	8.708	90.9	1485.2	1693.9	24.1
340.0	338.2	7.387	7.354	33.997	26.579	28.128	26.575	150.3	8.859	90.9	1484.8	1781.2	40.5
350.0	348.2	7.209	7.176	33.995	26.603	28.199	26.598	148.1	9.008	90.8	1484.3	1869.9	9.4
360.0	358.1	7.143	7.109	33.994	26.612	28.254	26.607	147.4	9.156	90.8	1484.2	1960.0	2.7
370.0	368.0	6.972	6.938	33.991	26.633	28.322	26.628	145.4	9.302	90.8	1483.6	2051.6	14.7
380.0	378.0	6.817	6.781	33.989	26.652	28.388	26.647	143.6	9.446	90.8	1483.2	2144.7	10.0
390.0	387.9	6.679	6.643	33.990	26.671	28.454	26.667	141.9	9.589	90.8	1482.8	2239.2	15.2
400.0	397.8	6.556	6.520	33.992	26.690	28.519	26.685	140.1	9.730	90.7	1482.5	2335.0	24.3
410.0	407.7	6.405	6.368	34.001	26.716	28.592	26.712	137.6	9.870	90.8	1482.1	2432.3	26.0
420.0	417.6	6.315	6.278	34.000	26.727	28.649	26.722	136.7	10.006	90.7	1481.9	2530.9	2.0
430.0	427.6	6.204	6.166	34.001	26.743	28.712	26.738	135.2	10.143	90.7	1481.6	2630.9	22.8
440.0	437.5	6.057	6.019	34.003	26.763	28.779	26.758	133.4	10.277	90.7	1481.2	2732.2	19.8
450.0	447.4	5.917	5.879	34.006	26.783	28.846	26.778	131.4	10.409	90.7	1480.8	2834.8	8.4
460.0	457.3	5.825	5.786	34.011	26.798	28.908	26.794	130.0	10.540	90.7	1480.6	2938.8	27.7
470.0	467.3	5.722	5.682	34.016	26.815	28.972	26.810	128.5	10.669	90.6	1480.3	3044.0	23.0
480.0	477.2	5.594	5.554	34.024	26.836	29.040	26.831	126.4	10.796	90.7	1480.0	3150.4	14.5
490.0	487.1	5.512	5.472	34.030	26.851	29.102	26.846	125.1	10.922	90.7	1479.8	3258.2	15.3
500.0	497.0	5.421	5.380	34.041	26.871	29.169	26.866	123.2	11.046	90.7	1479.6	3367.1	20.9
510.0	506.9	5.358	5.316	34.054	26.889	29.233	26.884	121.6	11.169	90.7	1479.5	3477.3	12.1
520.0	516.8	5.326	5.284	34.064	26.901	29.291	26.896	120.5	11.290	90.7	1479.6	3588.6	10.6
530.0	526.8	5.524	5.480	34.109	26.913	29.346	26.908	119.7	11.410	90.7	1480.6	3701.2	18.0
540.0	536.7	5.569	5.523	34.132	26.926	29.403	26.920	118.8	11.529	90.7	1481.0	3814.9	4.6
550.0	546.6	5.565	5.518	34.146	26.938	29.461	26.932	117.7	11.647	90.6	1481.2	3929.8	21.0
560.0	556.5	5.380	5.334	34.144	26.958	29.529	26.952	115.7	11.764	90.7	1480.6	4045.9	37.3
570.0	566.4	5.155	5.109	34.123	26.967	29.588	26.962	114.7	11.879	90.7	1479.8	4163.1	13.9
580.0	576.3	5.167	5.120	34.147	26.985	29.651	26.980	113.1	11.993	90.6	1480.0	4281.5	22.1
590.0	586.3	5.061	5.014	34.149	26.999	29.712	26.994	111.8	12.106	90.6	1479.8	4400.9	5.4
600.0	596.2	4.951	4.903	34.155	27.017	29.778	27.012	110.0	12.217	90.7	1479.5	4521.5	10.6
610.0	606.1	4.894	4.846	34.165	27.031	29.838	27.025	108.7	12.326	90.6	1479.4	4643.1	8.9
620.0	616.0	4.837	4.788	34.176	27.046	29.900	27.041	107.3	12.434	90.7	1479.4	4765.8	13.3
630.0	625.9	4.777	4.728	34.184	27.059	29.960	27.054	106.1	12.541	90.7	1479.3	4889.6	19.1
640.0	635.8	4.730	4.680	34.201	27.077	30.024	27.072	104.4	12.646	90.7	1479.3	5014.4	13.8
650.0	645.7	4.714	4.663	34.210	27.087	30.080	27.082	103.6	12.750	90.7	1479.4	5140.2	5.1
660.0	655.6	4.686	4.635	34.223	27.101	30.140	27.095	102.4	12.853	90.6	1479.5	5267.1	20.3
670.0	665.5	4.646	4.594	34.233	27.113	30.198	27.107	101.3	12.955	90.7	1479.5	5394.9	1.8
680.0	675.5	4.613	4.560	34.243	27.125	30.256	27.119	100.3	13.055	90.7	1479.5	5523.8	2.7
690.0	685.4	4.581	4.528	34.249	27.133	30.310	27.127	99.6	13.155	90.6	1479.6	5653.6	17.1
700.0	695.3	4.552	4.498	34.257	27.142	30.367	27.137	98.7	13.255	90.7	1479.6	5784.4	15.3
710.0	705.2	4.507	4.452	34.265	27.154	30.424	27.148	97.6	13.353	90.7	1479.6	5916.2	2.4
720.0	715.1	4.477	4.421	34.273	27.164	30.480	27.157	96.8	13.450	90.6	1479.6	6049.0	12.7
730.0	725.0	4.458	4.402	34.279	27.170	30.533	27.164	96.3	13.547	90.7	1479.7	6182.7	3.3
740.0	734.9	4.405	4.348	34.281	27.178	30.587	27.172	95.6	13.643	90.7	1479.7	6317.3	8.9
750.0	744.8	4.358	4.300	34.287	27.188	30.644	27.182	94.6	13.738	90.6	1479.7	6452.9	8.0
760.0	754.7	4.337	4.279	34.298	27.199	30.701	27.193	93.7	13.832	90.7	1479.8	6589.4	11.5
770.0	764.6	4.308	4.249	34.306	27.208	30.757	27.202	92.8	13.925	90.7	1479.8	6726.9	15.9
780.0	774.5	4.260	4.201	34.316	27.221	30.816	27.215	91.6	14.017	90.7	1479.8	6865.2	9.8
790.0	784.4	4.227	4.168	34.324	27.231	30.872	27.224	90.8	14.108	90.7	1479.8	7004.5	14.5
800.0	794.3	4.209	4.148	34.330	27.238	30.925	27.232	90.2	14.199	90.7	1479.9	7144.6	9.5
810.0	804.2	4.170	4.109	34.340	27.250	30.983	27.243	89.1	14.288	90.6	1479.9	7285.6	8.3
820.0	814.1	4.142	4.080	34.347	27.258	31.038	27.252	88.3	14.377	90.7	1480.0	7427.5	8.6
830.0	824.0	4.109	4.047	34.352	27.266	31.092	27.260	87.6	14.465	90.6	1480.0	7570.3	3.6
840.0	833.9	4.090	4.028	34.361	27.275	31.147	27.268	86.9	14.552	90.6	1480.1	7713.9	8.0
850.0	843.8	4.068	4.004	34.368	27.283	31.201	27.276	86.2	14.639	90.6	1480.2	7858.4	8.6
860.0	853.7	4.042	3.978	34.374	27.290	31.255	27.284	85.5	14.725	90.7	1480.3	8003.7	7.5
870.0	863.6	4.016	3.951	34.377	27.295	31.306	27.289	85.1	14.810	90.6	1480.3	8149.8	10.4
880.0	873.5	3.986	3.920	34.384	27.304	31.361	27.297	84.3	14.894	90.7	1480.4	8296.8	8.0
890.0	883.4	3.967	3.901	34.389	27.310	31.413	27.303	83.8	14.979	90.7	1480.5	8444.6	6.9
900.0	893.3	3.946	3.879	34.393	27.316	31.465	27.309	83.3	15.062	90.7	1480.5	8593.3	5.7
910.0	903.2	3.933	3.866	34.397	27.320	31.515	27.313	82.9	15.145	90.7	1480.7	8742.7	1.6
920.0	913.1	3.915	3.847	34.401	27.326	31.566	27.319	82.5	15.228	90.7	1480.8	8893.0	10.7
930.0	923.0	3.913	3.844	34.409	27.332	31.619	27.325	82.0	15.310	90.7	1480.9	9044.1	10.4
940.0	932.9	3.906	3.836	34.418	27.340	31.673	27.333	81.2	15.392	90.7	1481.1	9196.0	6.6
950.0	942.8	3.863	3.792	34.423	27.349	31.728	27.342	80.5	15.473	90.6	1481.1	9348.6	4.9
960.0	952.7	3.846	3.775	34.428	27.354	31.779	27.347	80.0	15.553	90.7	1481.2	9502.1	3.7
970.0	962.5	3.829	3.757	34.433	27.360	31.831	27.353	79.5	15.633	90.7	1481.3	9656.3	1.7
980.0	972.4	3.806	3.733	34.438	27.366	31.883	27.359	79.0	15.712	90.7	1481.3	9811.4	3.1
990.0	982.3	3.792	3.719	34.440	27.369	31.932	27.362	78.8	15.791	90.6	1481.4	9967.2	2.8

Station 41 Latitude 32° 39.75'N Longitude 127° 37.44'W 26 Aug 1989 GMT 15:44 Bottom 4325 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.754	3.680	34.447	27.379	31.988	27.371	77.9	15.869	90.6	1481.5	10123.7	8.1
1020.0	1012.0	3.699	3.624	34.456	27.391	32.093	27.384	76.7	16.024	90.7	1481.6	10439.2	4.6
1040.0	1031.8	3.659	3.582	34.462	27.400	32.195	27.393	75.9	16.177	90.7	1481.7	10757.6	4.0
1060.0	1051.6	3.587	3.510	34.471	27.414	32.302	27.407	74.6	16.327	90.6	1481.8	11079.0	12.2
1080.0	1071.3	3.544	3.465	34.478	27.424	32.404	27.417	73.7	16.476	90.6	1481.9	11403.3	9.0
1100.0	1091.1	3.495	3.415	34.485	27.435	32.507	27.427	72.8	16.622	90.6	1482.1	11730.5	.5
1120.0	1110.9	3.456	3.375	34.490	27.443	32.607	27.435	72.1	16.767	90.7	1482.2	12060.5	2.6
1140.0	1130.6	3.412	3.329	34.495	27.452	32.709	27.444	71.3	16.911	90.6	1482.4	12393.4	5.2
1160.0	1150.4	3.384	3.300	34.503	27.461	32.809	27.453	70.6	17.053	90.6	1482.6	12729.0	5.0
1180.0	1170.2	3.357	3.272	34.506	27.466	32.906	27.457	70.2	17.193	90.6	1482.8	13067.4	2.9
1200.0	1189.9	3.320	3.234	34.511	27.473	33.006	27.465	69.5	17.333	90.6	1483.0	13408.6	7.6
1220.0	1209.7	3.280	3.193	34.518	27.482	33.107	27.474	68.7	17.471	90.6	1483.2	13752.4	7.0
1240.0	1229.4	3.234	3.145	34.522	27.491	33.208	27.482	67.9	17.608	90.6	1483.3	14099.0	3.2
1260.0	1249.2	3.191	3.101	34.525	27.497	33.306	27.488	67.4	17.743	90.6	1483.5	14448.1	4.4
1280.0	1268.9	3.140	3.048	34.528	27.504	33.407	27.496	66.7	17.877	90.7	1483.6	14799.9	3.3
1300.0	1288.7	3.111	3.018	34.531	27.509	33.504	27.501	66.3	18.010	90.6	1483.8	15154.3	6.5
1320.0	1308.4	3.076	2.982	34.534	27.515	33.602	27.507	65.8	18.142	90.6	1484.0	15511.3	1.2
1340.0	1328.2	3.043	2.948	34.538	27.521	33.699	27.512	65.3	18.273	90.6	1484.2	15870.9	3.6
1360.0	1347.9	3.019	2.923	34.541	27.526	33.796	27.517	64.8	18.403	90.6	1484.4	16233.0	1.3
1380.0	1367.7	2.982	2.884	34.544	27.532	33.894	27.523	64.3	18.532	90.6	1484.6	16597.6	1.9
1400.0	1387.4	2.967	2.868	34.546	27.535	33.989	27.526	64.1	18.660	90.6	1484.9	16964.7	3.3
1420.0	1407.2	2.933	2.832	34.549	27.541	34.086	27.531	63.6	18.788	90.6	1485.1	17334.3	1.9
1440.0	1426.9	2.894	2.793	34.553	27.547	34.185	27.538	63.0	18.915	90.6	1485.2	17706.4	4.8
1460.0	1446.6	2.853	2.750	34.557	27.554	34.284	27.545	62.3	19.040	90.7	1485.4	18080.9	4.2
1480.0	1466.4	2.816	2.711	34.560	27.560	34.383	27.551	61.8	19.164	90.5	1485.6	18457.9	3.1
1500.0	1486.1	2.779	2.673	34.564	27.566	34.481	27.557	61.2	19.287	90.6	1485.7	18837.2	2.8
1520.0	1505.8	2.740	2.634	34.567	27.572	34.579	27.563	60.6	19.409	90.6	1485.9	19219.0	4.6
1540.0	1525.6	2.721	2.613	34.569	27.575	34.674	27.566	60.4	19.530	90.6	1486.2	19603.1	4.6
1560.0	1545.3	2.690	2.580	34.571	27.580	34.770	27.570	60.0	19.651	90.6	1486.4	19989.5	2.3
1580.0	1565.0	2.645	2.534	34.575	27.587	34.870	27.578	59.2	19.770	90.6	1486.5	20378.3	.2
1600.0	1584.7	2.619	2.507	34.577	27.591	34.965	27.581	58.9	19.888	90.6	1486.7	20769.3	-.7
1620.0	1604.4	2.594	2.481	34.579	27.595	35.061	27.586	58.5	20.006	90.6	1487.0	21162.7	.8
1640.0	1624.2	2.556	2.442	34.582	27.601	35.159	27.591	58.0	20.122	90.6	1487.1	21558.3	4.3
1660.0	1643.9	2.527	2.411	34.585	27.605	35.255	27.596	57.6	20.238	90.6	1487.3	21956.2	4.1
1680.0	1663.6	2.501	2.384	34.586	27.609	35.351	27.599	57.2	20.352	90.6	1487.6	22356.3	4.1
1700.0	1683.3	2.469	2.351	34.589	27.614	35.447	27.604	56.8	20.466	90.6	1487.8	22758.6	2.6
1720.0	1703.0	2.436	2.316	34.592	27.619	35.545	27.610	56.2	20.579	90.6	1488.0	23163.1	3.2
1740.0	1722.7	2.412	2.291	34.595	27.624	35.640	27.614	55.9	20.691	90.6	1488.2	23569.8	1.8
1760.0	1742.4	2.386	2.264	34.597	27.628	35.736	27.618	55.5	20.802	90.5	1488.4	23978.6	3.0
1780.0	1762.1	2.347	2.224	34.600	27.633	35.834	27.623	54.9	20.913	90.6	1488.6	24389.6	-1.1
1800.0	1781.8	2.329	2.204	34.601	27.636	35.928	27.626	54.7	21.022	90.6	1488.8	24802.7	1.8
1820.0	1801.5	2.296	2.171	34.604	27.641	36.024	27.630	54.2	21.131	90.6	1489.0	25218.0	6.2
1840.0	1821.2	2.272	2.145	34.606	27.645	36.120	27.634	53.8	21.239	90.6	1489.3	25635.3	1.5
1860.0	1840.9	2.253	2.124	34.609	27.648	36.215	27.638	53.5	21.346	90.5	1489.5	26054.7	4.5
1880.0	1860.6	2.221	2.092	34.611	27.653	36.311	27.642	53.0	21.453	90.6	1489.7	26476.2	1.3
1900.0	1880.3	2.201	2.070	34.614	27.657	36.406	27.646	52.7	21.559	90.6	1490.0	26899.7	3.3
1920.0	1900.0	2.189	2.057	34.615	27.659	36.499	27.648	52.5	21.664	90.5	1490.3	27325.2	1.6
1940.0	1919.7	2.156	2.022	34.618	27.664	36.596	27.653	52.0	21.768	90.5	1490.5	27752.8	1.9
1960.0	1939.4	2.137	2.001	34.619	27.666	36.689	27.656	51.8	21.872	90.6	1490.7	28182.4	3.7
1980.0	1959.1	2.116	1.980	34.620	27.669	36.784	27.658	51.5	21.975	90.6	1491.0	28614.0	4.0
2000.0	1978.8	2.092	1.954	34.623	27.673	36.879	27.662	51.1	22.078	90.6	1491.2	29047.5	3.4
2050.0	2028.0	2.049	1.907	34.628	27.681	37.114	27.670	50.4	22.332	90.6	1491.9	30140.1	.2
2100.0	2077.1	2.014	1.869	34.631	27.687	37.347	27.675	50.0	22.583	90.5	1492.5	31244.7	-.3
2150.0	2126.3	1.974	1.825	34.636	27.694	37.580	27.682	49.4	22.831	90.7	1493.2	32361.4	3.2
2200.0	2175.5	1.940	1.787	34.639	27.699	37.812	27.687	48.9	23.076	90.5	1493.9	33490.0	5.3
2250.0	2224.6	1.910	1.754	34.642	27.704	38.043	27.692	48.5	23.320	90.6	1494.6	34630.3	.7
2300.0	2273.8	1.880	1.719	34.645	27.709	38.274	27.697	48.1	23.561	90.6	1495.3	35782.2	1.3
2350.0	2322.9	1.849	1.685	34.648	27.714	38.505	27.701	47.7	23.800	90.5	1496.0	36945.7	-.1
2400.0	2372.1	1.823	1.655	34.650	27.718	38.734	27.705	47.3	24.038	90.6	1496.8	38120.6	.2
2450.0	2421.2	1.803	1.631	34.652	27.722	38.963	27.709	47.1	24.274	90.6	1497.5	39306.9	-.3
2500.0	2470.3	1.778	1.602	34.654	27.725	39.191	27.712	46.8	24.509	90.6	1498.3	40504.5	1.2
2550.0	2519.3	1.752	1.572	34.657	27.729	39.420	27.716	46.5	24.742	90.5	1499.0	41713.2	1.2
2600.0	2568.4	1.734	1.549	34.658	27.732	39.647	27.719	46.3	24.973	90.6	1499.8	42933.1	.7
2650.0	2617.5	1.708	1.520	34.660	27.736	39.875	27.722	46.0	25.204	90.6	1500.5	44164.1	.1
2700.0	2666.5	1.692	1.499	34.662	27.739	40.101	27.724	45.8	25.433	90.5	1501.3	45406.1	.2
2750.0	2715.6	1.673	1.476	34.664	27.742	40.329	27.728	45.5	25.662	90.5	1502.1	46659.0	.5
2800.0	2764.6	1.659	1.458	34.666	27.745	40.555	27.730	45.4	25.889	90.5	1502.8	47922.7	-.3
2850.0	2813.6	1.643	1.437	34.667	27.747	40.780	27.732	45.2	26.115	90.5	1503.6	49197.4	1.2
2900.0	2862.6	1.630	1.420	34.669	27.750	41.005	27.735	45.0	26.341	90.5	1504.4	50482.8	-.5
2950.0	2911.6	1.618	1.403	34.670	27.752	41.229	27.736	45.0	26.566	90.5	1505.2	51778.9	1.0
3000.0	2960.6	1.605	1.386	34.671	27.754	41.453	27.739	44.9	26.791	90.5	1506.0	53085.8	-.7
3050.0	3009.6	1.590	1.366	34.673	27.757	41.678	27.741	44.7	27.015	90.5	1506.8	54403.4	.2
3100.0	3058.6	1.581	1.352	34.674	27.759	41.902	27.743	44.6	27.238	90.6	1507.6	55731.6	.2
3150.0	3107.5	1.574	1.340	34.675	27.761	42.124	27.744	44.6	27.461	90.5	1508.4	57070.4	1.2
3200.0	3156.4	1.563	1.325	34.677	27.763	42.348	27.746	44.5	27.684	90.5	1509.2	58419.9	.9
3250.0	3205.4	1.554	1.311	34.678	27.765	42.570	27.748	44.4	27.906	90.5	1510.0	59779.9	1.8
3300.0	3254.3	1.544	1.297	34.678	27.767	42.792	27.749	44.4	28.128	90.5	1510.9	61150.5	-.5
3350.0	3303.2	1.537	1.285	34.680	27.769	43.015	27.751	44.3	28.350	90.5	1511.7	62531.6	.5
3400.0	3352.1	1.533	1.276	34.681	27.770	43.236	27.752	44.3	28.571	90.5	1512.5	63923.3	.5
3450.0	3401.0	1.528	1.265	34.682	27.772	43.457	27.753	44.3	28.793	90.5	1513.4	65325.5	-1.2
3500.0	3449.9	1.523	1.256	34.683	27.773	43.677	27.754	44.3	29.014	90.5	1514.2	66738.2	-.9
3550.0	3498.7	1.519	1.247	34.684	27.774	43.897	27.755	44.3	29.236	90.5	1515.0	68161.4	-.8
3600.0	3547.6	1.514	1.237	34.685	27.776	44.118	27.756	44.3	29.458	90.4	1515.9	69595.1	.1
3650.0	3596.4	1.513	1.230	34.685	27.777	44.337	27.757	44.4	29.679	90.5	1516.7	71039.4	2.8
3700.0	3645.3	1.510	1.223	34.686	27.778	44.556	27.758	44.4	29.901	90.4	1517.6	72494.1	-1.3
3750.0	3694.1	1.508	1.216	34.687	27.779	44.775	27.758	44.5	30.124	90.5	1518.4	73959.4	.6
3800.0	3742.9	1.507	1.209	34.688	27.780	44.994	27.759	44.5	30.346	90.5	1519.3	75435.2	-.3
3850.0	3791.7	1.505	1.202	34.689	27.782	45.213	27.760	44.6	30.569	90.4	1520.1	76921.5	1.2
3900.0	3840.5	1.505	1.196	34.689	27.783	45.431	27.761	44.6	30.792	90.5	1521.0	78418.4	-1.7
3950.0	3889.3	1.506	1.192	34.689	27.783	45.647	27.761	44.8	31.016	90.5	1521.8	79925.9	.4
4000.0	3938.0	1.507	1.188	34.690	27.783	45.864	27.760	44.9	31.240	90.4	1522.7	81444.0	-.4
4050.0	3986.8	1.510	1.185	34.690	27.784	46.081	27.761	45.1	31.465	90.4	1523.6	82972.7	-1.2
4100.0	4035.5	1.512	1.182	34.691	27.785	46.297	27.761	45.2	31.691	90.4	1524.5	84512.0	.9
4150.0	4084.3	1.516	1.180	34.691	27.785	46.513	27.761	45.4	31.917	90.4	1525.3	86062.0	.3
4200.0	4133.0	1.520	1.178	34.691	27.785	46.728	27.761	45.6	32.145	90.4	1526.2	87622.8	-.5
4250.0	4181.7	1.525	1.178	34.691	27.785	46.943	27.761	45.8	32.373	90.4	1527.1	89194.3	-.2
4300.0	4230.4	1.530	1.176	34.692	27.786	47.158	27.761	46.0	32.603	90.4	1528.0	90776.6	.2
4350.0	4279.1	1.534	1.175	34.692	27.786	47.372	27.760	46.2	32.833	90.4	1528.9	92369.8	.2
4382.0	4310.3	1.538	1.175	34.692	27.786	47.509	27.760	46.3	32.981	90.4	1529.4	93395.1	.0

Station 42 Latitude 32° 52.85'N Longitude 127° 29.28'W 26 Aug 1989 GMT 19:26 Bottom 4450 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.175	19.175	33.489	23.824	23.824	23.824	406.9	.000	90.3	1518.1	.0	.0
10.0	10.0	19.167	19.165	33.490	23.826	23.870	23.826	406.9	.407	90.2	1518.2	2.0	3.3
20.0	19.9	19.160	19.156	33.489	23.829	23.915	23.827	407.1	.814	90.2	1518.3	8.1	.4
30.0	29.9	19.161	19.156	33.491	23.829	23.959	23.828	407.4	1.221	90.2	1518.5	18.3	-.6
40.0	39.9	19.374	19.366	33.747	23.972	24.145	23.970	394.2	1.623	90.2	1519.6	32.5	45.7
50.0	49.8	19.429	19.420	33.804	24.001	24.218	23.999	391.7	2.016	90.2	1520.0	50.6	28.2
60.0	59.8	17.604	17.594	33.721	24.392	24.654	24.389	354.7	2.396	90.2	1514.8	72.6	555.6
70.0	69.8	17.038	17.027	33.963	24.713	25.019	24.710	324.5	2.730	90.3	1513.6	98.2	68.8
80.0	79.7	16.965	16.952	34.064	24.808	25.158	24.805	315.8	3.050	90.4	1513.6	126.9	65.0
90.0	89.7	16.851	16.836	34.125	24.883	25.276	24.879	309.0	3.362	90.5	1513.5	158.9	21.1
100.0	99.7	16.635	16.619	34.154	24.955	25.393	24.952	302.4	3.668	90.5	1513.1	193.9	67.6
110.0	109.6	16.377	16.359	34.158	25.019	25.500	25.014	296.6	3.968	90.4	1512.4	231.9	137.6
120.0	119.6	15.392	15.374	34.086	25.186	25.714	25.182	280.9	4.257	90.6	1509.5	272.8	155.6
130.0	129.5	14.790	14.771	34.015	25.263	25.836	25.259	273.7	4.534	90.6	1507.6	316.6	73.2
140.0	139.5	14.013	13.993	33.919	25.354	25.974	25.350	265.1	4.803	90.8	1505.2	363.1	19.1
150.0	149.4	13.462	13.441	33.851	25.415	26.080	25.410	259.5	5.066	90.8	1503.4	412.2	116.3
160.0	159.4	12.746	12.725	33.801	25.519	26.231	25.515	249.6	5.320	90.8	1501.1	463.8	75.7
170.0	169.3	11.734	11.713	33.706	25.638	26.398	25.634	238.3	5.564	90.9	1497.7	518.0	66.2
180.0	179.3	11.104	11.082	33.694	25.744	26.551	25.740	228.2	5.797	91.0	1495.6	574.5	111.7
190.0	189.2	10.342	10.319	33.661	25.853	26.708	25.849	217.9	6.020	90.9	1493.0	633.2	133.0
200.0	199.1	9.949	9.926	33.669	25.925	26.827	25.922	211.1	6.234	91.0	1491.7	694.2	79.0
210.0	209.1	9.632	9.608	33.728	26.024	26.972	26.020	201.8	6.440	91.0	1490.8	757.2	112.0
220.0	219.0	9.390	9.366	33.798	26.118	27.112	26.115	192.9	6.638	91.0	1490.2	822.2	119.9
230.0	228.9	9.000	8.975	33.842	26.216	27.256	26.212	183.8	6.826	91.0	1488.9	889.1	95.5
240.0	238.9	8.697	8.672	33.898	26.307	27.395	26.303	175.1	7.005	91.0	1488.0	957.8	75.3
250.0	248.8	8.432	8.406	33.908	26.355	27.490	26.352	170.6	7.178	90.9	1487.2	1028.3	45.3
260.0	258.8	8.343	8.316	33.954	26.406	27.585	26.401	166.0	7.346	90.9	1487.1	1100.4	36.3
270.0	268.7	8.229	8.202	33.978	26.441	27.667	26.437	162.8	7.510	90.9	1486.9	1174.2	19.8
280.0	278.6	8.135	8.106	33.990	26.465	27.737	26.461	160.6	7.672	90.9	1486.7	1249.6	23.9
290.0	288.6	8.015	7.986	33.997	26.488	27.806	26.484	158.5	7.832	90.9	1486.4	1326.6	40.3
300.0	298.5	7.846	7.816	33.999	26.515	27.879	26.511	156.1	7.989	90.8	1485.9	1405.2	23.9
310.0	308.4	7.717	7.686	33.997	26.533	27.943	26.528	154.5	8.145	90.8	1485.6	1485.3	16.0
320.0	318.4	7.615	7.583	34.001	26.550	28.007	26.546	152.9	8.298	90.8	1485.3	1566.9	23.9
330.0	328.3	7.487	7.455	34.002	26.569	28.072	26.565	151.2	8.450	90.7	1485.0	1650.1	11.5
340.0	338.2	7.331	7.298	34.005	26.594	28.143	26.590	148.9	8.600	90.7	1484.6	1734.7	26.2
350.0	348.1	7.237	7.203	34.008	26.609	28.205	26.605	147.6	8.749	90.6	1484.4	1820.9	18.5
360.0	358.1	7.063	7.029	34.001	26.628	28.270	26.623	145.9	8.895	90.6	1483.8	1908.4	18.8
370.0	368.0	6.856	6.822	33.994	26.651	28.340	26.646	143.7	9.040	90.6	1483.2	1997.5	20.8
380.0	377.9	6.701	6.666	33.993	26.671	28.407	26.666	141.8	9.183	90.6	1482.7	2087.9	30.4
390.0	387.8	6.573	6.538	33.998	26.692	28.475	26.687	139.8	9.323	90.6	1482.4	2179.7	29.3
400.0	397.8	6.462	6.426	34.005	26.712	28.542	26.707	138.0	9.462	90.5	1482.1	2273.0	19.3
410.0	407.7	6.325	6.289	34.011	26.735	28.611	26.730	135.9	9.599	90.5	1481.8	2367.6	21.9
420.0	417.6	6.241	6.204	34.016	26.750	28.673	26.745	134.5	9.735	90.4	1481.6	2463.5	19.0
430.0	427.5	6.149	6.112	34.027	26.770	28.740	26.765	132.6	9.868	90.3	1481.4	2560.8	27.4
440.0	437.5	6.034	5.995	34.035	26.790	28.807	26.786	130.7	10.000	90.3	1481.1	2659.3	27.4
450.0	447.4	5.954	5.915	34.048	26.812	28.874	26.807	128.8	10.130	90.2	1481.0	2759.2	29.5
460.0	457.3	5.854	5.815	34.065	26.837	28.947	26.832	126.4	10.257	90.1	1480.8	2860.3	16.3
470.0	467.2	5.778	5.738	34.070	26.851	29.007	26.846	125.1	10.383	90.0	1480.6	2962.7	11.3
480.0	477.1	5.692	5.652	34.081	26.870	29.073	26.865	123.3	10.507	90.0	1480.4	3066.3	20.4
490.0	487.1	5.576	5.535	34.095	26.895	29.145	26.890	121.0	10.629	90.0	1480.2	3171.1	22.4
500.0	497.0	5.516	5.475	34.111	26.915	29.211	26.910	119.2	10.749	90.0	1480.1	3277.1	34.1
510.0	506.9	5.353	5.311	34.115	26.937	29.281	26.933	117.0	10.867	90.0	1479.6	3384.3	16.2
520.0	516.8	5.256	5.214	34.121	26.954	29.344	26.949	115.5	10.983	90.3	1479.4	3492.7	8.0
530.0	526.7	5.197	5.154	34.127	26.966	29.403	26.961	114.4	11.098	90.4	1479.3	3602.2	13.0
540.0	536.6	5.174	5.131	34.130	26.971	29.454	26.965	114.0	11.212	90.5	1479.4	3712.8	1.0
550.0	546.6	5.128	5.084	34.131	26.977	29.506	26.972	113.5	11.326	90.5	1479.4	3824.5	3.6
560.0	556.5	5.091	5.046	34.137	26.986	29.562	26.981	112.7	11.439	90.5	1479.4	3937.4	15.9
570.0	566.4	5.043	4.998	34.143	26.996	29.618	26.991	111.8	11.552	90.5	1479.4	4051.3	7.7
580.0	576.3	5.010	4.964	34.148	27.004	29.673	26.999	111.1	11.663	90.6	1479.4	4166.4	8.0
590.0	586.2	4.963	4.916	34.156	27.016	29.730	27.010	110.0	11.774	90.5	1479.4	4282.6	17.1
600.0	596.1	4.871	4.824	34.169	27.037	29.799	27.031	108.1	11.883	90.5	1479.2	4399.8	7.7
610.0	606.0	4.821	4.773	34.179	27.050	29.859	27.045	106.8	11.990	90.5	1479.1	4518.1	13.8
620.0	616.0	4.778	4.729	34.186	27.061	29.915	27.055	105.9	12.097	90.5	1479.1	4637.5	13.8
630.0	625.9	4.728	4.678	34.197	27.075	29.976	27.069	104.6	12.202	90.7	1479.1	4757.9	6.8
640.0	635.8	4.684	4.634	34.208	27.088	30.036	27.083	103.4	12.306	90.6	1479.1	4879.3	13.2
650.0	645.7	4.664	4.614	34.212	27.094	30.087	27.088	102.9	12.409	90.5	1479.2	5001.8	4.2
660.0	655.6	4.640	4.589	34.219	27.102	30.142	27.096	102.2	12.511	90.6	1479.3	5125.2	2.1
670.0	665.5	4.619	4.567	34.227	27.111	30.197	27.105	101.4	12.613	90.6	1479.4	5249.7	3.9
680.0	675.4	4.593	4.540	34.239	27.124	30.256	27.118	100.3	12.714	90.6	1479.4	5375.2	14.7
690.0	685.3	4.564	4.510	34.251	27.136	30.314	27.131	99.2	12.814	90.6	1479.5	5501.6	2.7
700.0	695.2	4.532	4.478	34.263	27.149	30.374	27.144	98.0	12.913	90.6	1479.5	5629.1	20.6
710.0	705.1	4.501	4.446	34.271	27.159	30.430	27.154	97.1	13.010	90.6	1479.6	5757.5	15.6
720.0	715.0	4.473	4.418	34.279	27.169	30.486	27.163	96.3	13.107	90.7	1479.6	5886.8	14.4
730.0	724.9	4.443	4.387	34.286	27.178	30.541	27.172	95.5	13.203	90.6	1479.7	6017.1	10.1
740.0	734.8	4.424	4.367	34.302	27.192	30.601	27.186	94.2	13.298	90.6	1479.8	6148.4	11.8
750.0	744.7	4.423	4.365	34.311	27.200	30.654	27.194	93.7	13.392	90.6	1480.0	6280.5	9.8
760.0	754.7	4.381	4.323	34.320	27.211	30.712	27.205	92.6	13.485	90.5	1480.0	6413.6	10.4
770.0	764.5	4.351	4.292	34.325	27.219	30.765	27.212	92.0	13.578	90.6	1480.0	6547.6	7.1
780.0	774.5	4.303	4.244	34.326	27.225	30.819	27.218	91.4	13.669	90.5	1480.0	6682.5	6.0
790.0	784.3	4.285	4.225	34.332	27.231	30.871	27.225	90.8	13.760	90.5	1480.1	6818.3	9.8
800.0	794.3	4.211	4.151	34.334	27.241	30.928	27.235	89.9	13.851	90.6	1479.9	6955.0	9.2
810.0	804.2	4.148	4.087	34.341	27.253	30.987	27.247	88.7	13.940	90.6	1479.8	7092.6	6.0
820.0	814.0	4.105	4.043	34.352	27.266	31.047	27.260	87.5	14.028	90.6	1479.8	7231.0	9.2
830.0	824.0	4.088	4.025	34.361	27.275	31.102	27.269	86.7	14.115	90.6	1479.9	7370.3	7.7
840.0	833.8	4.054	3.991	34.368	27.285	31.158	27.278	85.9	14.202	90.6	1480.0	7510.5	6.0
850.0	843.8	4.037	3.973	34.373	27.290	31.209	27.283	85.4	14.288	90.6	1480.1	7651.5	13.3
860.0	853.7	4.007	3.943	34.381	27.299	31.264	27.293	84.6	14.372	90.6	1480.1	7793.3	7.2
870.0	863.5	3.983	3.918	34.389	27.309	31.320	27.302	83.7	14.457	90.7	1480.2	7936.0	6.0
880.0	873.4	3.948	3.882	34.392	27.315	31.372	27.308	83.2	14.540	90.7	1480.2	8079.4	8.3
890.0	883.3	3.913	3.847	34.402	27.326	31.430	27.319	82.2	14.623	90.7	1480.3	8223.7	7.5
900.0	893.2	3.887	3.820	34.408	27.334	31.484	27.327	81.5	14.705	90.6	1480.3	8368.8	10.1
910.0	903.1	3.881	3.813	34.414	27.339	31.535	27.332	81.1	14.786	90.6	1480.5	8514.7	8.1
920.0	913.0	3.857	3.789	34.418	27.345	31.587	27.338	80.5	14.867	90.7	1480.5	8661.4	5.1
930.0	922.9	3.840	3.771	34.421	27.349	31.638	27.342	80.2	14.947	90.6	1480.6	8808.9	3.7
940.0	932.8	3.818	3.749	34.426	27.355	31.690	27.348	79.7	15.027	90.6	1480.7	8957.2	4.3
950.0	942.7	3.794	3.724	34.430	27.361	31.742	27.354	79.1	15.106	90.6	1480.8	9106.2	4.3
960.0	952.6	3.775	3.704	34.434	27.366	31.793	27.359	78.7	15.185	90.6	1480.9	9256.1	7.5
970.0	962.5	3.745	3.674	34.438	27.373	31.846	27.365	78.1	15.264	90.6	1480.9	9406.7	4.6
980.0	972.4	3.715	3.643	34.444	27.380	31.900	27.373	77.4	15.342	90.6	1481.0	9558.0	8.4
990.0	982.3	3.691	3.619	34.447	27.385	31.951	27.378	77.0	15.419	90.6	1481.0	9710.2	8.4

Station 42 Latitude 32° 52.85'N Longitude 127° 29.28'W 26 Aug 1989 GMT 19:26 Bottom 4450 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.658	3.585	34.453	27.393	32.005	27.386	76.3	15.496	90.6	1481.1	9863.0	10.1
1020.0	1011.9	3.619	3.544	34.461	27.404	32.108	27.396	75.4	15.647	90.7	1481.2	10171.0	8.7
1040.0	1031.7	3.560	3.485	34.471	27.417	32.214	27.409	74.2	15.797	90.6	1481.3	10481.9	11.0
1060.0	1051.5	3.501	3.424	34.479	27.430	32.320	27.422	73.0	15.944	90.5	1481.4	10795.8	5.5
1080.0	1071.3	3.457	3.379	34.485	27.438	32.420	27.431	72.2	16.089	90.5	1481.6	11112.5	3.1
1100.0	1091.0	3.433	3.354	34.488	27.444	32.518	27.436	71.8	16.233	90.6	1481.8	11432.0	2.9
1120.0	1110.8	3.405	3.324	34.491	27.449	32.615	27.441	71.4	16.376	90.6	1482.0	11754.3	4.9
1140.0	1130.6	3.356	3.274	34.500	27.460	32.719	27.452	70.4	16.518	90.6	1482.2	12079.4	2.6
1160.0	1150.3	3.299	3.216	34.506	27.471	32.822	27.463	69.3	16.657	90.6	1482.3	12407.3	7.6
1180.0	1170.1	3.260	3.175	34.511	27.479	32.923	27.471	68.7	16.796	90.5	1482.4	12737.8	4.4
1200.0	1189.8	3.233	3.147	34.513	27.483	33.019	27.475	68.3	16.933	90.6	1482.6	13071.1	2.0
1220.0	1209.6	3.208	3.121	34.517	27.488	33.115	27.480	68.0	17.069	90.6	1482.9	13407.0	5.9
1240.0	1229.4	3.173	3.085	34.523	27.496	33.216	27.488	67.2	17.204	90.6	1483.1	13745.5	5.3
1260.0	1249.1	3.138	3.048	34.525	27.502	33.314	27.494	66.7	17.338	90.5	1483.2	14086.7	3.2
1280.0	1268.9	3.087	2.996	34.532	27.511	33.416	27.503	65.8	17.470	90.6	1483.4	14430.5	5.9
1300.0	1288.6	3.050	2.958	34.536	27.519	33.515	27.510	65.2	17.601	90.5	1483.5	14776.9	5.6
1320.0	1308.4	3.024	2.930	34.538	27.522	33.611	27.514	64.9	17.732	90.6	1483.8	15125.7	6.2
1340.0	1328.1	2.988	2.893	34.543	27.530	33.710	27.521	64.2	17.860	90.6	1484.0	15477.2	2.7
1360.0	1347.9	2.952	2.856	34.546	27.535	33.808	27.527	63.7	17.988	90.6	1484.1	15831.1	1.5
1380.0	1367.6	2.927	2.829	34.548	27.540	33.904	27.531	63.4	18.115	90.6	1484.4	16187.5	2.4
1400.0	1387.3	2.900	2.801	34.551	27.544	34.000	27.535	63.0	18.242	90.6	1484.6	16546.3	3.6
1420.0	1407.1	2.876	2.776	34.553	27.549	34.096	27.540	62.6	18.368	90.6	1484.8	16907.7	3.0
1440.0	1426.8	2.840	2.739	34.556	27.554	34.194	27.545	62.1	18.492	90.5	1485.0	17271.4	4.8
1460.0	1446.6	2.810	2.708	34.559	27.560	34.291	27.550	61.7	18.616	90.6	1485.2	17637.6	2.2
1480.0	1466.3	2.784	2.680	34.562	27.564	34.387	27.555	61.3	18.739	90.6	1485.4	18006.1	1.6
1500.0	1486.0	2.753	2.647	34.564	27.569	34.484	27.559	60.9	18.861	90.6	1485.6	18377.1	3.7
1520.0	1505.8	2.736	2.629	34.567	27.573	34.580	27.563	60.5	18.982	90.6	1485.9	18750.4	1.3
1540.0	1525.5	2.706	2.598	34.569	27.577	34.676	27.568	60.2	19.103	90.6	1486.1	19126.1	5.2
1560.0	1545.2	2.668	2.559	34.572	27.583	34.774	27.573	59.6	19.223	90.6	1486.3	19504.1	2.8
1580.0	1564.9	2.625	2.515	34.576	27.590	34.873	27.580	58.9	19.341	90.6	1486.4	19884.4	1.4
1600.0	1584.7	2.597	2.485	34.578	27.594	34.969	27.584	58.5	19.459	90.7	1486.6	20267.0	3.7
1620.0	1604.4	2.555	2.442	34.582	27.600	35.068	27.590	57.9	19.575	90.5	1486.8	20651.8	2.6
1640.0	1624.1	2.523	2.409	34.584	27.605	35.165	27.596	57.4	19.690	90.6	1487.0	21039.0	4.3
1660.0	1643.8	2.484	2.369	34.587	27.611	35.263	27.601	56.9	19.805	90.5	1487.2	21428.3	5.2
1680.0	1663.5	2.454	2.337	34.590	27.616	35.360	27.606	56.4	19.918	90.6	1487.4	21819.8	2.0
1700.0	1683.2	2.429	2.311	34.591	27.619	35.454	27.609	56.1	20.030	90.5	1487.6	22213.5	.0
1720.0	1702.9	2.397	2.278	34.595	27.625	35.552	27.615	55.6	20.142	90.5	1487.8	22609.4	1.5
1740.0	1722.7	2.372	2.252	34.596	27.628	35.646	27.618	55.3	20.253	90.7	1488.0	23007.5	5.6
1760.0	1742.4	2.346	2.224	34.598	27.632	35.742	27.622	54.9	20.363	90.6	1488.3	23407.7	4.4
1780.0	1762.1	2.316	2.193	34.602	27.637	35.839	27.627	54.4	20.472	90.5	1488.5	23810.0	-.6
1800.0	1781.8	2.289	2.165	34.605	27.642	35.935	27.632	54.0	20.580	90.5	1488.7	24214.4	1.2
1820.0	1801.5	2.266	2.141	34.606	27.645	36.030	27.635	53.6	20.688	90.5	1488.9	24620.9	.9
1840.0	1821.2	2.247	2.120	34.608	27.648	36.124	27.637	53.4	20.795	90.5	1489.2	25029.5	2.4
1860.0	1840.9	2.232	2.104	34.609	27.650	36.218	27.640	53.2	20.902	90.5	1489.4	25440.1	1.8
1880.0	1860.6	2.203	2.073	34.612	27.655	36.314	27.645	52.7	21.008	90.6	1489.7	25852.9	.4
1900.0	1880.2	2.176	2.045	34.615	27.659	36.410	27.649	52.3	21.113	90.5	1489.9	26267.6	1.9
1920.0	1899.9	2.155	2.022	34.617	27.663	36.505	27.652	52.0	21.217	90.5	1490.1	26684.4	1.3
1940.0	1919.6	2.137	2.003	34.619	27.666	36.599	27.655	51.7	21.321	90.5	1490.4	27103.1	1.6
1960.0	1939.3	2.119	1.984	34.620	27.668	36.693	27.658	51.5	21.424	90.5	1490.6	27523.9	.7
1980.0	1959.0	2.101	1.964	34.622	27.672	36.787	27.661	51.2	21.527	90.6	1490.9	27946.7	2.2
2000.0	1978.7	2.085	1.946	34.624	27.675	36.881	27.664	50.9	21.629	90.6	1491.2	28371.4	1.1
2050.0	2027.9	2.043	1.901	34.629	27.682	37.116	27.671	50.3	21.882	90.6	1491.8	29441.8	-.1
2100.0	2077.1	2.001	1.856	34.633	27.689	37.349	27.677	49.7	22.132	90.5	1492.5	30524.3	2.0
2150.0	2126.3	1.970	1.821	34.636	27.694	37.581	27.683	49.3	22.380	90.5	1493.2	31618.8	1.2
2200.0	2175.4	1.931	1.778	34.639	27.700	37.813	27.688	48.8	22.625	90.5	1493.9	32725.1	.6
2250.0	2224.6	1.911	1.755	34.642	27.704	38.043	27.692	48.5	22.868	90.5	1494.6	33843.2	-.2
2300.0	2273.7	1.884	1.724	34.644	27.708	38.273	27.696	48.2	23.110	90.5	1495.4	34972.9	1.6
2350.0	2322.8	1.853	1.689	34.647	27.713	38.504	27.701	47.7	23.349	90.6	1496.1	36114.2	-.7
2400.0	2372.0	1.824	1.656	34.650	27.718	38.734	27.705	47.3	23.587	90.5	1496.8	37267.0	2.3
2450.0	2421.1	1.804	1.632	34.652	27.721	38.963	27.708	47.1	23.823	90.6	1497.5	38431.1	.6
2500.0	2470.2	1.775	1.598	34.655	27.726	39.192	27.712	46.7	24.057	90.5	1498.3	39606.5	1.8
2550.0	2519.3	1.756	1.576	34.656	27.729	39.419	27.715	46.6	24.290	90.5	1499.0	40793.1	.3
2600.0	2568.3	1.735	1.550	34.659	27.732	39.647	27.719	46.3	24.522	90.5	1499.8	41990.8	-1.4
2650.0	2617.4	1.717	1.528	34.660	27.736	39.874	27.722	46.1	24.753	90.5	1500.5	43199.6	3.1
2700.0	2666.4	1.702	1.509	34.662	27.738	40.100	27.724	45.9	24.983	90.5	1501.3	44419.4	1.1
2750.0	2715.5	1.681	1.484	34.664	27.742	40.327	27.727	45.7	25.212	90.4	1502.1	45650.2	-.4
2800.0	2764.5	1.664	1.462	34.666	27.745	40.554	27.730	45.5	25.440	90.5	1502.9	46891.9	-1.2
2850.0	2813.5	1.648	1.442	34.667	27.747	40.779	27.732	45.3	25.667	90.5	1503.6	48144.5	.9
2900.0	2862.5	1.632	1.421	34.669	27.750	41.005	27.735	45.1	25.893	90.5	1504.4	49407.9	-.8
2950.0	2911.5	1.619	1.404	34.670	27.752	41.229	27.737	45.0	26.118	90.4	1505.2	50682.1	.7
3000.0	2960.5	1.605	1.386	34.671	27.755	41.454	27.739	44.9	26.343	90.4	1506.0	51967.0	1.0
3050.0	3009.5	1.596	1.372	34.672	27.757	41.677	27.740	44.8	26.567	90.5	1506.8	53262.6	-.7
3100.0	3058.5	1.587	1.359	34.674	27.758	41.900	27.742	44.8	26.791	90.4	1507.6	54568.8	.5
3120.0	3078.0	1.583	1.352	34.674	27.759	41.990	27.743	44.7	26.880	90.4	1508.0	55094.3	.0

Station 43 Latitude 33° 04.70'N Longitude 127° 22.33'W 26 Aug 1989 GMT 22:45 Bottom 4300 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.185	19.185	33.496	23.826	23.826	23.826	406.6	.000	90.1	1518.1	.0	.0
10.0	10.0	19.186	19.184	33.496	23.826	23.870	23.826	406.9	.407	90.3	1518.3	2.0	-.9
20.0	19.9	19.171	19.167	33.501	23.835	23.922	23.834	406.5	.813	90.2	1518.4	8.1	7.7
30.0	29.9	19.165	19.159	33.505	23.840	23.970	23.838	406.4	1.220	90.2	1518.5	18.2	1.9
40.0	39.9	19.368	19.361	33.694	23.932	24.106	23.931	398.0	1.625	90.2	1519.5	32.4	212.3
50.0	49.8	19.418	19.409	33.774	23.982	24.198	23.979	393.6	2.020	90.1	1519.9	50.6	27.0
60.0	59.8	18.472	18.462	33.759	24.209	24.471	24.207	372.2	2.408	90.1	1517.4	72.7	409.3
70.0	69.8	16.387	16.376	33.556	24.552	24.859	24.549	339.7	2.763	90.0	1511.1	98.5	-4.8
80.0	79.7	15.678	15.666	33.548	24.707	25.059	24.705	325.1	3.096	90.1	1509.0	127.7	116.6
90.0	89.7	16.286	16.272	33.864	24.813	25.208	24.810	315.5	3.415	90.2	1511.5	160.1	73.1
100.0	99.7	16.611	16.595	34.051	24.882	25.319	24.878	309.4	3.727	90.4	1512.9	195.7	62.0
110.0	109.6	16.335	16.318	34.075	24.965	25.447	24.961	301.7	4.032	90.3	1512.2	234.3	73.7
120.0	119.6	16.153	16.134	34.100	25.026	25.552	25.021	296.2	4.331	90.4	1511.8	275.9	10.7
130.0	129.5	15.440	15.420	34.049	25.148	25.719	25.143	284.8	4.622	90.5	1509.7	320.5	149.4
140.0	139.5	14.657	14.636	33.960	25.250	25.867	25.245	275.2	4.903	90.7	1507.3	367.9	102.4
150.0	149.4	14.010	13.989	33.907	25.345	26.009	25.341	266.3	5.173	90.8	1505.3	418.0	99.1
160.0	159.4	12.884	12.862	33.746	25.450	26.161	25.445	256.3	5.434	90.9	1501.5	470.8	51.1
170.0	169.3	12.726	12.703	33.815	25.534	26.290	25.530	248.5	5.687	90.9	1501.2	526.1	173.0
180.0	179.3	11.637	11.614	33.728	25.674	26.478	25.669	235.1	5.928	90.9	1497.5	583.9	33.9
190.0	189.2	11.050	11.027	33.694	25.754	26.606	25.750	227.5	6.161	91.0	1495.6	644.0	145.7
200.0	199.1	10.260	10.237	33.639	25.849	26.749	25.845	218.4	6.385	91.0	1492.8	706.4	126.2
210.0	209.1	9.762	9.738	33.672	25.959	26.906	25.955	208.0	6.598	91.0	1491.2	770.9	127.0
220.0	219.0	9.299	9.274	33.771	26.112	27.107	26.108	193.5	6.798	91.0	1489.8	837.5	79.2
230.0	229.0	9.000	8.975	33.817	26.196	27.237	26.192	185.6	6.987	91.0	1488.9	906.0	68.9
240.0	238.9	8.802	8.777	33.883	26.279	27.366	26.275	177.8	7.169	90.9	1488.4	976.4	70.6
250.0	248.8	8.622	8.596	33.949	26.358	27.491	26.354	170.4	7.343	91.0	1488.0	1048.5	48.9
260.0	258.8	8.521	8.494	33.974	26.394	27.573	26.390	167.2	7.512	91.0	1487.8	1122.3	24.0
270.0	268.7	8.410	8.382	33.983	26.418	27.642	26.414	165.1	7.678	90.9	1487.6	1197.7	41.3
280.0	278.6	8.241	8.212	33.988	26.448	27.718	26.443	162.4	7.842	90.9	1487.1	1274.8	36.0
290.0	288.6	8.036	8.007	33.991	26.481	27.798	26.476	159.3	8.003	91.0	1486.5	1353.5	25.1
300.0	298.5	7.837	7.807	33.993	26.512	27.876	26.507	156.4	8.161	90.9	1485.9	1433.7	31.5
310.0	308.4	7.611	7.581	33.990	26.542	27.953	26.538	153.6	8.316	90.9	1485.2	1515.6	31.2
320.0	318.4	7.450	7.419	33.991	26.566	28.023	26.561	151.4	8.468	90.8	1484.7	1598.9	11.5
330.0	328.3	7.272	7.240	33.988	26.588	28.093	26.584	149.2	8.618	90.8	1484.2	1683.7	20.9
340.0	338.2	7.126	7.094	33.987	26.608	28.159	26.604	147.4	8.767	90.8	1483.7	1770.0	18.5
350.0	348.1	6.984	6.952	33.987	26.628	28.225	26.623	145.6	8.913	90.7	1483.4	1857.8	22.0
360.0	358.1	6.848	6.815	33.988	26.646	28.291	26.642	143.8	9.058	90.7	1483.0	1947.0	31.6
370.0	368.0	6.753	6.720	33.993	26.663	28.354	26.659	142.4	9.201	90.6	1482.8	2037.6	17.0
380.0	377.9	6.629	6.595	33.993	26.680	28.418	26.676	140.8	9.343	90.6	1482.5	2129.6	20.8
390.0	387.9	6.585	6.550	34.010	26.699	28.482	26.695	139.1	9.483	90.6	1482.5	2223.1	21.1
400.0	397.8	6.496	6.460	34.017	26.717	28.547	26.713	137.5	9.621	90.5	1482.3	2317.9	22.2
410.0	407.7	6.328	6.292	34.019	26.741	28.617	26.736	135.3	9.757	90.5	1481.8	2414.0	15.2
420.0	417.6	6.169	6.133	34.024	26.764	28.688	26.760	133.0	9.892	90.6	1481.3	2511.5	21.9
430.0	427.5	6.043	6.006	34.022	26.779	28.750	26.775	131.6	10.024	90.6	1481.0	2610.3	10.1
440.0	437.5	5.981	5.943	34.026	26.791	28.808	26.786	130.6	10.155	90.6	1480.9	2710.4	23.6
450.0	447.4	5.890	5.851	34.032	26.806	28.870	26.802	129.2	10.285	90.6	1480.7	2811.8	18.9
460.0	457.3	5.898	5.859	34.067	26.833	28.942	26.828	126.8	10.413	90.6	1480.9	2914.5	32.7
470.0	467.2	5.866	5.826	34.086	26.853	29.008	26.848	125.1	10.539	90.6	1481.0	3018.4	10.4
480.0	477.1	5.737	5.696	34.081	26.864	29.066	26.859	124.0	10.664	90.6	1480.6	3123.6	14.5
490.0	487.1	5.698	5.656	34.094	26.879	29.128	26.875	122.6	10.787	90.6	1480.6	3230.0	23.0
500.0	497.0	5.725	5.682	34.124	26.900	29.194	26.895	120.8	10.909	90.6	1481.0	3337.6	15.1
510.0	506.9	5.620	5.577	34.125	26.913	29.254	26.908	119.6	11.029	90.5	1480.7	3446.4	18.9
520.0	516.8	5.513	5.470	34.128	26.929	29.316	26.924	118.1	11.148	90.6	1480.4	3556.3	6.3
530.0	526.7	5.484	5.440	34.141	26.943	29.376	26.937	116.9	11.265	90.6	1480.5	3667.4	13.6
540.0	536.7	5.427	5.382	34.150	26.957	29.436	26.951	115.6	11.382	90.6	1480.4	3779.7	16.3
550.0	546.6	5.341	5.296	34.150	26.967	29.494	26.962	114.7	11.497	90.7	1480.3	3893.1	12.7
560.0	556.5	5.266	5.220	34.160	26.984	29.557	26.979	113.1	11.610	90.7	1480.1	4007.7	12.4
570.0	566.4	5.196	5.149	34.167	26.998	29.618	26.993	111.8	11.723	90.6	1480.0	4123.4	12.1
580.0	576.3	5.174	5.127	34.184	27.014	29.679	27.008	110.4	11.834	90.7	1480.1	4240.1	18.3
590.0	586.2	5.156	5.108	34.193	27.023	29.735	27.017	109.7	11.944	90.7	1480.2	4358.0	16.2
600.0	596.1	4.950	4.902	34.185	27.040	29.801	27.035	107.8	12.053	90.7	1479.5	4476.9	16.2
610.0	606.0	4.998	4.949	34.204	27.050	29.855	27.044	107.1	12.160	90.6	1479.9	4596.9	10.1
620.0	616.0	4.931	4.882	34.210	27.062	29.914	27.057	106.0	12.267	90.6	1479.8	4718.0	8.0
630.0	625.9	4.956	4.905	34.227	27.073	29.971	27.067	105.1	12.373	90.7	1480.1	4840.0	13.0
640.0	635.8	4.891	4.840	34.237	27.088	30.033	27.083	103.7	12.477	90.7	1480.0	4963.2	19.2
650.0	645.7	4.862	4.811	34.242	27.096	30.086	27.090	103.0	12.580	90.7	1480.1	5087.3	7.2
660.0	655.6	4.737	4.685	34.235	27.104	30.142	27.098	102.2	12.683	90.7	1479.7	5212.5	10.6
670.0	665.5	4.760	4.707	34.254	27.117	30.200	27.111	101.2	12.784	90.7	1480.0	5338.7	14.5
680.0	675.4	4.686	4.633	34.251	27.123	30.253	27.117	100.6	12.885	90.6	1479.8	5465.8	6.6
690.0	685.3	4.527	4.474	34.244	27.135	30.313	27.129	99.3	12.985	90.6	1479.3	5594.0	12.7
700.0	695.2	4.485	4.432	34.251	27.145	30.370	27.139	98.3	13.084	90.7	1479.3	5723.1	10.0
710.0	705.1	4.470	4.415	34.264	27.157	30.428	27.151	97.3	13.182	90.7	1479.4	5853.2	14.1
720.0	715.0	4.445	4.389	34.269	27.164	30.481	27.158	96.7	13.279	90.6	1479.5	5984.2	4.8
730.0	724.9	4.402	4.346	34.274	27.172	30.536	27.166	96.0	13.375	90.6	1479.5	6116.2	7.7
740.0	734.8	4.401	4.344	34.289	27.184	30.593	27.178	95.0	13.471	90.6	1479.7	6249.2	4.2
750.0	744.8	4.421	4.364	34.305	27.196	30.650	27.189	94.0	13.566	90.7	1480.0	6383.1	12.7
760.0	754.7	4.371	4.313	34.306	27.201	30.703	27.195	93.5	13.659	90.6	1479.9	6517.9	9.5
770.0	764.5	4.287	4.229	34.309	27.212	30.761	27.207	92.4	13.752	90.6	1479.7	6653.6	9.5
780.0	774.5	4.256	4.197	34.317	27.222	30.817	27.216	91.5	13.844	90.7	1479.8	6790.2	8.0
790.0	784.4	4.258	4.198	34.327	27.230	30.871	27.224	90.9	13.935	90.6	1480.0	6927.7	19.7
800.0	794.3	4.230	4.170	34.337	27.241	30.928	27.235	89.9	14.026	90.6	1480.0	7066.2	6.6
810.0	804.2	4.177	4.116	34.341	27.250	30.983	27.244	89.1	14.115	90.6	1480.0	7205.5	15.1
820.0	814.1	4.150	4.089	34.352	27.262	31.041	27.255	88.0	14.204	90.6	1480.0	7345.6	6.0
830.0	824.0	4.126	4.063	34.359	27.269	31.095	27.263	87.3	14.291	90.7	1480.1	7486.7	8.9
840.0	833.9	4.090	4.027	34.366	27.279	31.151	27.272	86.5	14.378	90.6	1480.1	7628.6	6.9
850.0	843.8	4.100	4.036	34.377	27.287	31.204	27.280	85.9	14.464	90.6	1480.4	7771.3	3.7
860.0	853.7	4.074	4.009	34.379	27.292	31.255	27.285	85.4	14.550	90.7	1480.4	7914.9	6.9
870.0	863.5	4.036	3.971	34.385	27.300	31.310	27.294	84.7	14.635	90.6	1480.4	8059.3	11.6
880.0	873.4	3.998	3.933	34.392	27.309	31.366	27.303	83.8	14.719	90.7	1480.4	8204.6	2.2
890.0	883.3	4.000	3.933	34.398	27.314	31.416	27.307	83.5	14.803	90.6	1480.6	8350.6	6.9
900.0	893.2	3.951	3.884	34.402	27.323	31.471	27.316	82.7	14.886	90.6	1480.6	8497.5	8.4
910.0	903.1	3.938	3.870	34.404	27.326	31.521	27.319	82.4	14.969	90.6	1480.7	8645.2	8.9
920.0	913.0	3.911	3.843	34.408	27.332	31.573	27.325	81.9	15.051	90.6	1480.8	8793.8	8.4
930.0	922.9	3.876	3.807	34.412	27.338	31.626	27.332	81.3	15.132	90.6	1480.8	8943.1	9.8
940.0	932.8	3.852	3.783	34.417	27.345	31.679	27.338	80.7	15.213	90.7	1480.8	9093.2	7.8
950.0	942.7	3.828	3.757	34.425	27.354	31.734	27.347	79.9	15.294	90.7	1480.9	9244.1	5.4
960.0	952.6	3.833	3.762	34.435	27.361	31.786	27.354	79.4	15.373	90.6	1481.1	9395.8	3.4
970.0	962.5	3.825	3.753	34.440	27.366	31.837	27.359	78.9	15.452	90.6	1481.3	9548.2	6.1
980.0	972.4	3.803	3.730	34.446	27.373	31.890	27.366	78.3	15.531	90.5	1481.3	9701.4	7.8
990.0	982.3	3.777	3.704	34.451	27.379	31.943	27.372	77.8	15.609	90.6	1481.4	9855.4	4.9

Station 43 Latitude 33° 04.70'N Longitude 127° 22.33'W 26 Aug 1989 GMT 22:45 Bottom 4300 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
1000.0	992.2	3.751	3.678	34.455	27.386	31.996	27.378	77.2	15.686	90.6	1481.5	10010.2	6.4
1020.0	1011.9	3.692	3.617	34.462	27.397	32.099	27.389	76.2	15.840	90.6	1481.5	10322.0	4.0
1040.0	1031.7	3.633	3.557	34.470	27.410	32.205	27.402	75.0	15.991	90.7	1481.6	10636.7	3.4
1060.0	1051.5	3.584	3.507	34.475	27.419	32.306	27.411	74.2	16.140	90.6	1481.8	10954.4	3.2
1080.0	1071.3	3.540	3.461	34.482	27.428	32.408	27.420	73.4	16.288	90.6	1481.9	11275.0	10.2
1100.0	1091.0	3.483	3.403	34.489	27.440	32.513	27.432	72.3	16.434	90.6	1482.0	11598.5	1.7
1120.0	1110.8	3.443	3.361	34.494	27.448	32.612	27.440	71.6	16.578	90.6	1482.2	11924.8	2.3
1140.0	1130.6	3.404	3.321	34.499	27.455	32.713	27.448	70.9	16.720	90.6	1482.4	12253.9	4.7
1160.0	1150.3	3.358	3.274	34.505	27.464	32.814	27.456	70.2	16.861	90.6	1482.5	12585.7	3.5
1180.0	1170.1	3.315	3.230	34.509	27.472	32.914	27.464	69.5	17.001	90.6	1482.7	12920.3	5.5
1200.0	1189.8	3.281	3.194	34.513	27.478	33.012	27.470	69.0	17.139	90.6	1482.8	13257.7	4.7
1220.0	1209.6	3.246	3.159	34.516	27.485	33.111	27.476	68.4	17.277	90.6	1483.0	13597.7	4.1
1240.0	1229.4	3.205	3.116	34.521	27.492	33.210	27.484	67.7	17.413	90.5	1483.2	13940.3	3.5
1260.0	1249.1	3.162	3.072	34.526	27.500	33.311	27.492	67.0	17.548	90.6	1483.4	14285.7	.0
1280.0	1268.9	3.135	3.044	34.528	27.504	33.407	27.496	66.6	17.681	90.5	1483.6	14633.6	5.3
1300.0	1288.6	3.097	3.004	34.532	27.511	33.506	27.502	66.1	17.814	90.6	1483.7	14984.1	.9
1320.0	1308.4	3.065	2.972	34.536	27.517	33.604	27.508	65.6	17.946	90.6	1483.9	15337.2	5.3
1340.0	1328.1	3.023	2.928	34.540	27.524	33.704	27.516	64.8	18.076	90.6	1484.1	15692.9	3.6
1360.0	1347.9	3.003	2.907	34.542	27.528	33.799	27.519	64.6	18.206	90.5	1484.4	16051.1	5.1
1380.0	1367.6	2.970	2.873	34.545	27.534	33.896	27.525	64.1	18.334	90.5	1484.5	16411.8	3.0
1400.0	1387.3	2.938	2.839	34.548	27.539	33.994	27.530	63.6	18.462	90.5	1484.7	16775.0	3.0
1420.0	1407.1	2.908	2.807	34.551	27.544	34.091	27.535	63.2	18.589	90.5	1484.9	17140.6	2.8
1440.0	1426.8	2.869	2.767	34.555	27.550	34.189	27.541	62.6	18.715	90.5	1485.1	17508.8	2.5
1460.0	1446.6	2.832	2.729	34.558	27.556	34.288	27.548	62.0	18.839	90.5	1485.3	17879.3	6.6
1480.0	1466.3	2.797	2.693	34.561	27.562	34.385	27.553	61.5	18.963	90.6	1485.5	18252.3	3.7
1500.0	1486.0	2.772	2.667	34.563	27.567	34.481	27.557	61.1	19.085	90.6	1485.7	18627.7	1.6
1520.0	1505.8	2.744	2.638	34.566	27.571	34.578	27.562	60.7	19.207	90.5	1485.9	19005.4	5.4
1540.0	1525.5	2.712	2.604	34.569	27.576	34.675	27.567	60.3	19.328	90.5	1486.1	19385.5	3.4
1560.0	1545.2	2.683	2.574	34.572	27.581	34.771	27.571	59.8	19.448	90.5	1486.3	19767.9	2.5
1580.0	1564.9	2.655	2.544	34.574	27.585	34.868	27.576	59.4	19.568	90.5	1486.6	20152.7	1.4
1600.0	1584.7	2.623	2.511	34.576	27.590	34.965	27.581	59.0	19.686	90.5	1486.8	20539.8	2.9
1620.0	1604.4	2.592	2.479	34.579	27.595	35.061	27.586	58.5	19.804	90.6	1487.0	20929.1	4.3
1640.0	1624.1	2.567	2.453	34.582	27.599	35.157	27.590	58.2	19.920	90.4	1487.2	21320.8	5.2
1660.0	1643.8	2.538	2.422	34.584	27.604	35.254	27.594	57.7	20.036	90.5	1487.4	21714.6	3.2
1680.0	1663.5	2.499	2.382	34.588	27.610	35.352	27.600	57.1	20.151	90.5	1487.6	22110.8	2.6
1700.0	1683.2	2.471	2.353	34.590	27.614	35.447	27.604	56.7	20.265	90.5	1487.8	22509.1	.6
1720.0	1702.9	2.444	2.324	34.592	27.619	35.544	27.609	56.3	20.378	90.5	1488.0	22909.6	4.1
1740.0	1722.6	2.415	2.294	34.594	27.623	35.640	27.613	55.9	20.490	90.5	1488.2	23312.3	-1.5
1760.0	1742.3	2.385	2.263	34.597	27.628	35.736	27.618	55.4	20.602	90.5	1488.4	23717.2	3.8
1780.0	1762.1	2.355	2.231	34.599	27.632	35.832	27.622	55.0	20.712	90.5	1488.6	24124.3	.6
1800.0	1781.8	2.333	2.208	34.601	27.636	35.927	27.625	54.7	20.822	90.5	1488.9	24533.4	.9
1820.0	1801.5	2.306	2.180	34.603	27.639	36.022	27.629	54.4	20.931	90.6	1489.1	24944.7	1.5
1840.0	1821.2	2.281	2.154	34.606	27.644	36.118	27.633	54.0	21.039	90.5	1489.3	25358.1	4.8
1860.0	1840.8	2.250	2.121	34.608	27.648	36.215	27.638	53.5	21.147	90.6	1489.5	25773.5	6.0
1880.0	1860.6	2.213	2.083	34.611	27.654	36.312	27.643	52.9	21.253	90.5	1489.7	26191.0	2.7
1900.0	1880.2	2.193	2.062	34.613	27.657	36.407	27.646	52.6	21.359	90.5	1489.9	26610.6	2.2
1920.0	1899.9	2.168	2.035	34.616	27.661	36.502	27.650	52.2	21.464	90.5	1490.2	27032.2	1.0
1940.0	1919.6	2.157	2.023	34.617	27.663	36.595	27.652	52.1	21.568	90.5	1490.5	27455.8	1.3
1960.0	1939.3	2.132	1.997	34.619	27.667	36.691	27.656	51.7	21.672	90.5	1490.7	27881.5	.7
1980.0	1959.0	2.103	1.967	34.622	27.671	36.786	27.660	51.2	21.775	90.5	1490.9	28309.1	4.3
2000.0	1978.7	2.079	1.942	34.625	27.676	36.882	27.665	50.8	21.877	90.6	1491.1	28738.7	4.0
2050.0	2027.9	2.043	1.902	34.628	27.681	37.115	27.670	50.3	22.130	90.5	1491.8	29821.2	2.3
2100.0	2077.1	2.002	1.857	34.633	27.689	37.349	27.677	49.7	22.380	90.6	1492.5	30915.9	1.7
2150.0	2126.2	1.963	1.814	34.637	27.696	37.583	27.684	49.1	22.627	90.5	1493.2	32022.6	2.6
2200.0	2175.4	1.933	1.781	34.640	27.701	37.814	27.689	48.7	22.872	90.5	1493.9	33141.0	.9
2250.0	2224.6	1.899	1.742	34.644	27.706	38.046	27.694	48.2	23.114	90.5	1494.6	34271.2	-.5
2300.0	2273.7	1.874	1.714	34.646	27.710	38.276	27.698	47.9	23.354	90.5	1495.3	35413.0	.7
2350.0	2322.8	1.845	1.681	34.648	27.714	38.505	27.702	47.6	23.593	90.5	1496.0	36566.3	1.6
2400.0	2371.9	1.815	1.647	34.651	27.719	38.736	27.706	47.2	23.830	90.5	1496.7	37731.0	-.4
2450.0	2421.1	1.789	1.617	34.653	27.723	38.965	27.710	46.8	24.065	90.4	1497.5	38907.0	2.0
2500.0	2470.1	1.768	1.591	34.655	27.727	39.193	27.713	46.6	24.298	90.5	1498.2	40094.2	.9
2550.0	2519.2	1.752	1.571	34.657	27.730	39.421	27.716	46.4	24.531	90.4	1499.0	41292.6	1.5
2600.0	2568.3	1.725	1.540	34.660	27.734	39.650	27.721	46.0	24.762	90.4	1499.7	42502.1	-.8
2650.0	2617.4	1.703	1.515	34.661	27.737	39.877	27.723	45.8	24.992	90.4	1500.5	43722.6	1.0
2700.0	2666.4	1.691	1.498	34.663	27.740	40.103	27.726	45.7	25.220	90.4	1501.3	44954.1	2.2
2750.0	2715.5	1.672	1.475	34.664	27.743	40.329	27.728	45.5	25.448	90.4	1502.1	46196.5	.5
2800.0	2764.5	1.656	1.454	34.665	27.745	40.554	27.730	45.4	25.676	90.5	1502.8	47449.8	-.6
2850.0	2813.5	1.643	1.437	34.667	27.747	40.780	27.732	45.2	25.902	90.4	1503.6	48713.9	2.4
2900.0	2862.5	1.630	1.420	34.668	27.750	41.005	27.735	45.1	26.128	90.4	1504.4	49988.8	-1.4
2950.0	2911.5	1.616	1.401	34.670	27.753	41.230	27.737	45.0	26.353	90.4	1505.2	51274.5	1.6
3000.0	2960.5	1.606	1.386	34.671	27.754	41.453	27.739	44.9	26.578	90.4	1506.0	52570.9	.2
3050.0	3009.5	1.592	1.368	34.672	27.757	41.678	27.740	44.8	26.802	90.4	1506.8	53878.0	.2
3100.0	3058.4	1.584	1.355	34.674	27.758	41.901	27.742	44.7	27.026	90.3	1507.6	55195.7	.0
3112.0	3070.2	1.581	1.351	34.674	27.759	41.954	27.742	44.7	27.080	90.4	1507.8	55513.6	.0

Station 44 Latitude 32° 58.05'N Longitude 127° 06.54'W 27 Aug 1989 GMT 02:04 Bottom 4325 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.160	19.160	33.592	23.906	23.906	23.906	399.0	.000	90.1	1518.1	.0	.0
10.0	10.0	19.161	19.159	33.592	23.907	23.950	23.906	399.3	.399	90.2	1518.3	2.0	-3.1
20.0	19.9	19.174	19.170	33.606	23.914	24.001	23.913	399.0	.798	90.1	1518.5	8.0	30.1
30.0	29.9	19.214	19.208	33.635	23.927	24.057	23.925	398.1	1.197	90.1	1518.8	17.9	1.2
40.0	39.9	19.218	19.210	33.638	23.928	24.102	23.927	398.3	1.595	90.1	1519.0	31.8	.3
50.0	49.8	19.208	19.199	33.643	23.935	24.152	23.932	398.1	1.993	90.1	1519.2	49.7	7.6
60.0	59.8	19.204	19.193	33.648	23.941	24.201	23.938	397.9	2.391	90.0	1519.3	71.6	21.4
70.0	69.8	17.922	17.910	33.564	24.196	24.501	24.193	373.8	2.782	89.8	1515.7	97.3	834.1
80.0	79.7	16.260	16.247	33.631	24.639	24.990	24.636	331.7	3.126	90.2	1511.0	126.8	107.9
90.0	89.7	15.958	15.943	33.705	24.765	25.160	24.762	320.0	3.451	90.2	1510.3	159.6	87.1
100.0	99.7	15.566	15.551	33.722	24.866	25.306	24.863	310.6	3.768	90.3	1509.2	195.5	101.4
110.0	109.6	15.326	15.309	33.756	24.946	25.430	24.942	303.3	4.075	90.4	1508.7	234.6	83.2
120.0	119.6	14.471	14.454	33.695	25.084	25.614	25.080	290.3	4.372	90.3	1506.0	276.6	72.8
130.0	129.5	13.826	13.808	33.639	25.176	25.752	25.172	281.7	4.659	90.6	1504.0	321.6	136.5
140.0	139.5	13.128	13.109	33.593	25.281	25.904	25.278	271.7	4.935	90.7	1501.8	369.3	116.2
150.0	149.4	12.546	12.526	33.568	25.377	26.045	25.373	262.8	5.203	90.8	1500.0	419.8	111.1
160.0	159.4	12.179	12.158	33.544	25.429	26.143	25.425	258.1	5.464	90.9	1498.9	472.8	110.4
170.0	169.3	11.634	11.613	33.540	25.528	26.288	25.524	248.7	5.717	90.9	1497.1	528.4	52.7
180.0	179.3	11.079	11.057	33.564	25.647	26.455	25.644	237.4	5.960	91.0	1495.4	586.5	154.8
190.0	189.2	10.559	10.537	33.603	25.770	26.624	25.766	225.8	6.192	91.0	1493.7	646.9	92.9
200.0	199.1	10.251	10.228	33.623	25.839	26.739	25.835	219.4	6.415	91.0	1492.8	709.6	63.8
210.0	209.1	9.807	9.783	33.689	25.965	26.912	25.961	207.4	6.629	91.0	1491.4	774.5	87.5
220.0	219.0	9.501	9.477	33.748	26.062	27.055	26.058	198.4	6.831	91.0	1490.5	841.4	81.3
230.0	229.0	9.292	9.267	33.778	26.119	27.158	26.115	193.1	7.027	91.1	1490.0	910.2	50.2
240.0	238.9	9.065	9.039	33.842	26.205	27.291	26.201	184.9	7.216	91.0	1489.4	981.0	91.2
250.0	248.8	8.837	8.811	33.892	26.280	27.412	26.276	178.0	7.397	91.0	1488.7	1053.6	47.8
260.0	258.8	8.617	8.590	33.936	26.349	27.528	26.345	171.5	7.571	91.0	1488.1	1128.0	59.2
270.0	268.7	8.434	8.406	33.966	26.401	27.625	26.397	166.7	7.740	91.0	1487.6	1204.0	41.3
280.0	278.6	8.205	8.176	33.978	26.445	27.716	26.440	162.6	7.905	90.9	1486.9	1281.7	45.9
290.0	288.6	8.016	7.987	33.987	26.481	27.798	26.476	159.3	8.066	91.0	1486.4	1361.0	17.5
300.0	298.5	7.887	7.857	33.986	26.499	27.862	26.494	157.7	8.224	91.0	1486.1	1441.9	20.7
310.0	308.4	7.712	7.682	33.983	26.522	27.932	26.517	155.5	8.380	90.9	1485.5	1524.4	30.6
320.0	318.4	7.546	7.515	33.987	26.549	28.006	26.544	153.0	8.535	90.9	1485.1	1608.4	42.9
330.0	328.3	7.401	7.369	33.987	26.570	28.073	26.565	151.1	8.686	90.8	1484.7	1693.9	16.5
340.0	338.2	7.230	7.198	33.991	26.597	28.147	26.592	148.6	8.836	90.8	1484.2	1780.9	16.5
350.0	348.2	7.093	7.060	33.991	26.616	28.212	26.611	146.8	8.984	90.8	1483.8	1869.3	7.4
360.0	358.1	6.977	6.943	33.996	26.636	28.279	26.631	145.0	9.130	90.8	1483.5	1959.2	21.7
370.0	368.0	6.809	6.775	33.994	26.657	28.347	26.653	143.0	9.274	90.7	1483.0	2050.6	19.3
380.0	377.9	6.664	6.629	34.004	26.684	28.421	26.680	140.5	9.416	90.5	1482.6	2143.3	10.8
390.0	387.9	6.558	6.523	34.008	26.701	28.485	26.697	138.9	9.555	90.4	1482.4	2237.5	6.4
400.0	397.8	6.473	6.437	34.015	26.719	28.548	26.714	137.4	9.693	90.3	1482.2	2333.0	11.1
410.0	407.7	6.416	6.380	34.021	26.730	28.606	26.726	136.3	9.830	90.2	1482.1	2429.9	9.3
420.0	417.6	6.300	6.263	34.021	26.746	28.669	26.741	134.9	9.966	89.9	1481.8	2528.1	19.0
430.0	427.6	6.223	6.185	34.026	26.760	28.729	26.755	133.7	10.100	89.8	1481.7	2627.7	9.0
440.0	437.5	6.188	6.149	34.037	26.773	28.788	26.768	132.5	10.233	89.6	1481.7	2728.6	21.0
450.0	447.4	6.076	6.037	34.044	26.792	28.854	26.787	130.7	10.365	89.4	1481.5	2830.7	22.2
460.0	457.3	6.041	6.001	34.062	26.811	28.919	26.806	129.0	10.495	89.4	1481.5	2934.2	14.3
470.0	467.2	5.951	5.911	34.071	26.830	28.984	26.825	127.3	10.623	89.6	1481.3	3039.0	11.3
480.0	477.2	5.888	5.846	34.076	26.842	29.043	26.837	126.2	10.750	89.8	1481.2	3145.0	12.5
490.0	487.1	5.784	5.743	34.078	26.856	29.104	26.851	124.9	10.875	90.0	1481.0	3252.2	12.8
500.0	497.0	5.731	5.689	34.089	26.872	29.165	26.866	123.6	11.000	90.2	1480.9	3360.7	14.2
510.0	506.9	5.607	5.564	34.086	26.884	29.225	26.879	122.3	11.122	90.3	1480.6	3470.4	15.4
520.0	516.8	5.447	5.404	34.086	26.903	29.292	26.898	120.5	11.244	90.4	1480.1	3581.3	21.2
530.0	526.8	5.334	5.291	34.092	26.921	29.357	26.916	118.7	11.363	90.5	1479.8	3693.4	13.0
540.0	536.7	5.298	5.254	34.106	26.937	29.419	26.932	117.3	11.482	90.5	1479.9	3806.7	18.6
550.0	546.6	5.196	5.151	34.114	26.956	29.484	26.950	115.6	11.598	90.6	1479.6	3921.1	19.7
560.0	556.5	5.117	5.072	34.124	26.973	29.548	26.968	114.0	11.713	90.6	1479.5	4036.7	15.9
570.0	566.4	5.116	5.070	34.146	26.991	29.612	26.985	112.4	11.826	90.6	1479.7	4153.4	29.1
580.0	576.3	4.974	4.927	34.146	27.007	29.676	27.001	110.8	11.938	90.6	1479.2	4271.2	12.7
590.0	586.2	4.990	4.943	34.162	27.018	29.732	27.012	109.9	12.048	90.6	1479.5	4390.0	14.1
600.0	596.2	4.958	4.910	34.175	27.032	29.792	27.027	108.6	12.157	90.6	1479.5	4510.0	15.6
610.0	606.1	4.864	4.816	34.181	27.046	29.854	27.041	107.3	12.265	90.7	1479.3	4631.1	24.7
620.0	616.0	4.798	4.749	34.189	27.061	29.915	27.056	105.9	12.372	90.6	1479.2	4753.1	13.0
630.0	625.9	4.722	4.673	34.199	27.077	29.978	27.072	104.4	12.477	90.7	1479.1	4876.3	11.2
640.0	635.8	4.640	4.591	34.193	27.082	30.030	27.076	103.9	12.581	90.7	1478.9	5000.4	14.1
650.0	645.7	4.658	4.607	34.214	27.097	30.090	27.091	102.7	12.684	90.7	1479.2	5125.6	12.4
660.0	655.6	4.611	4.560	34.219	27.105	30.145	27.100	101.9	12.787	90.7	1479.1	5251.8	14.4
670.0	665.5	4.563	4.511	34.223	27.115	30.201	27.109	101.0	12.888	90.7	1479.1	5379.0	6.5
680.0	675.4	4.516	4.464	34.230	27.125	30.258	27.119	100.1	12.989	90.7	1479.1	5507.2	9.4
690.0	685.3	4.481	4.428	34.241	27.137	30.316	27.131	99.0	13.088	90.6	1479.1	5636.4	8.9
700.0	695.2	4.464	4.411	34.246	27.143	30.369	27.138	98.5	13.187	90.7	1479.2	5766.5	5.9
710.0	705.2	4.438	4.384	34.253	27.152	30.423	27.146	97.8	13.285	90.6	1479.3	5897.6	10.9
720.0	715.0	4.402	4.347	34.264	27.164	30.482	27.159	96.6	13.382	90.6	1479.3	6029.7	13.6
730.0	725.0	4.388	4.332	34.276	27.175	30.539	27.170	95.6	13.479	90.6	1479.4	6162.8	8.3
740.0	734.9	4.369	4.312	34.278	27.179	30.590	27.174	95.3	13.574	90.6	1479.5	6296.7	-.8
750.0	744.8	4.346	4.289	34.288	27.190	30.646	27.184	94.4	13.669	90.6	1479.6	6431.6	13.6
760.0	754.7	4.324	4.266	34.299	27.201	30.704	27.195	93.4	13.763	90.5	1479.7	6567.5	13.9
770.0	764.6	4.290	4.232	34.308	27.212	30.760	27.206	92.4	13.856	90.7	1479.7	6704.2	15.6
780.0	774.5	4.257	4.198	34.318	27.223	30.818	27.217	91.5	13.948	90.6	1479.8	6841.9	11.8
790.0	784.4	4.228	4.168	34.326	27.233	30.874	27.226	90.6	14.039	90.6	1479.8	6980.4	8.3
800.0	794.3	4.201	4.141	34.334	27.242	30.929	27.236	89.8	14.129	90.6	1479.9	7119.9	10.9
810.0	804.2	4.174	4.112	34.343	27.252	30.985	27.246	88.9	14.218	90.6	1480.0	7260.2	6.6
820.0	814.1	4.157	4.095	34.349	27.259	31.038	27.252	88.3	14.307	90.6	1480.1	7401.4	10.4
830.0	824.0	4.111	4.049	34.357	27.269	31.096	27.263	87.3	14.395	90.6	1480.0	7543.4	11.5
840.0	833.9	4.119	4.055	34.368	27.278	31.149	27.271	86.7	14.482	90.6	1480.3	7686.4	8.0
850.0	843.8	4.094	4.030	34.375	27.286	31.204	27.279	85.9	14.568	90.6	1480.3	7830.1	11.0
860.0	853.7	4.045	3.981	34.382	27.296	31.260	27.290	84.9	14.653	90.6	1480.3	7974.7	8.6
870.0	863.6	4.041	3.976	34.390	27.303	31.314	27.297	84.3	14.738	90.6	1480.5	8120.2	12.4
880.0	873.5	3.974	3.908	34.393	27.312	31.370	27.306	83.5	14.822	90.6	1480.3	8266.4	1.3
890.0	883.4	3.988	3.922	34.402	27.319	31.421	27.312	83.0	14.905	90.6	1480.6	8413.5	9.8
900.0	893.3	3.966	3.898	34.409	27.326	31.475	27.320	82.3	14.988	90.5	1480.7	8561.4	7.5
910.0	903.2	3.968	3.900	34.416	27.332	31.526	27.325	81.9	15.070	90.6	1480.8	8710.1	9.5
920.0	913.0	3.919	3.851	34.421	27.341	31.582	27.334	81.1	15.151	90.6	1480.8	8859.6	9.2
930.0	922.9	3.913	3.843	34.426	27.346	31.632	27.339	80.7	15.232	90.6	1480.9	9009.9	8.1
940.0	932.8	3.870	3.800	34.432	27.355	31.688	27.348	79.8	15.312	90.6	1480.9	9161.0	4.6
950.0	942.7	3.862	3.791	34.437	27.360	31.739	27.353	79.5	15.392	90.6	1481.1	9312.9	3.7
960.0	952.6	3.834	3.763	34.439	27.364	31.789	27.357	79.1	15.471	90.6	1481.1	9465.6	4.0
970.0	962.5	3.812	3.741	34.444	27.370	31.841	27.363	78.6	15.550	90.6	1481.2	9619.0	4.9
980.0	972.4	3.796	3.723	34.447	27.374	31.892	27.367	78.2	15.628	90.6	1481.3	9773.2	5.5
990.0	982.3	3.776	3.703	34.452	27.380	31.944	27.373	77.7	15.706	90.6	1481.4	9928.1	8.4

Station 44 Latitude 32° 58.05'N Longitude 127° 06.54'W 27 Aug 1989 GMT 02:04 Bottom 4325 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.756	3.682	34.455	27.385	31.995	27.378	77.3	15.784	90.7	1481.5	10083.9	4.9
1020.0	1012.0	3.720	3.645	34.461	27.393	32.095	27.386	76.6	15.938	90.5	1481.7	10397.6	6.7
1040.0	1031.7	3.679	3.603	34.468	27.403	32.197	27.395	75.8	16.090	90.6	1481.8	10714.3	4.9
1060.0	1051.5	3.636	3.558	34.472	27.411	32.298	27.404	75.0	16.241	90.6	1482.0	11034.0	6.4
1080.0	1071.3	3.581	3.502	34.479	27.422	32.401	27.414	74.1	16.390	90.5	1482.1	11356.6	5.5
1100.0	1091.1	3.538	3.458	34.486	27.431	32.503	27.424	73.2	16.537	90.6	1482.3	11682.1	3.2
1120.0	1110.8	3.490	3.408	34.493	27.442	32.605	27.434	72.3	16.683	90.6	1482.4	12010.4	6.4
1140.0	1130.6	3.437	3.354	34.497	27.450	32.707	27.442	71.5	16.826	90.6	1482.5	12341.6	3.2
1160.0	1150.3	3.379	3.296	34.504	27.462	32.811	27.454	70.4	16.968	90.6	1482.6	12675.6	5.0
1180.0	1170.1	3.333	3.249	34.508	27.469	32.911	27.461	69.8	17.109	90.5	1482.7	13012.3	4.7
1200.0	1189.9	3.306	3.219	34.512	27.475	33.008	27.467	69.3	17.247	90.6	1483.0	13351.7	1.2
1220.0	1209.6	3.269	3.181	34.516	27.482	33.108	27.474	68.7	17.386	90.5	1483.1	13693.9	3.5
1240.0	1229.4	3.239	3.150	34.520	27.488	33.205	27.480	68.2	17.522	90.6	1483.3	14038.7	3.5
1260.0	1249.2	3.183	3.093	34.525	27.498	33.307	27.489	67.3	17.658	90.6	1483.4	14386.2	5.6
1280.0	1268.9	3.151	3.059	34.528	27.503	33.405	27.495	66.8	17.792	90.5	1483.6	14736.3	3.0
1300.0	1288.7	3.107	3.014	34.533	27.510	33.505	27.502	66.1	17.925	90.6	1483.8	15089.1	1.5
1320.0	1308.4	3.072	2.978	34.536	27.517	33.604	27.508	65.6	18.057	90.5	1484.0	15444.4	.9
1340.0	1328.2	3.038	2.943	34.540	27.523	33.702	27.514	65.0	18.187	90.5	1484.2	15802.2	2.1
1360.0	1347.9	3.000	2.904	34.543	27.529	33.800	27.520	64.5	18.317	90.6	1484.3	16162.6	5.4
1380.0	1367.6	2.958	2.860	34.547	27.537	33.900	27.528	63.8	18.445	90.5	1484.5	16525.5	1.6
1400.0	1387.4	2.928	2.829	34.550	27.542	33.997	27.533	63.3	18.572	90.5	1484.7	16890.9	6.3
1420.0	1407.1	2.897	2.797	34.553	27.547	34.094	27.538	62.9	18.698	90.6	1484.9	17258.7	3.0
1440.0	1426.8	2.861	2.759	34.557	27.554	34.193	27.545	62.3	18.823	90.6	1485.1	17629.0	2.8
1460.0	1446.6	2.821	2.718	34.561	27.560	34.291	27.551	61.7	18.948	90.5	1485.3	18001.7	2.2
1480.0	1466.3	2.778	2.675	34.565	27.567	34.391	27.558	61.0	19.070	90.6	1485.4	18376.8	.4
1500.0	1486.1	2.753	2.648	34.567	27.571	34.486	27.562	60.7	19.192	90.5	1485.6	18754.3	1.9
1520.0	1505.8	2.718	2.612	34.570	27.577	34.584	27.567	60.1	19.313	90.6	1485.8	19134.1	1.6
1540.0	1525.5	2.689	2.581	34.572	27.581	34.680	27.571	59.7	19.433	90.5	1486.0	19516.3	4.3
1560.0	1545.2	2.657	2.548	34.575	27.586	34.778	27.577	59.3	19.552	90.5	1486.2	19900.8	5.5
1580.0	1564.9	2.622	2.512	34.578	27.591	34.875	27.582	58.7	19.670	90.5	1486.4	20287.6	3.1
1600.0	1584.7	2.588	2.477	34.580	27.596	34.972	27.587	58.3	19.787	90.4	1486.6	20676.6	2.0
1620.0	1604.4	2.553	2.441	34.583	27.602	35.069	27.592	57.8	19.903	90.5	1486.8	21068.0	1.4
1640.0	1624.1	2.525	2.411	34.585	27.606	35.165	27.596	57.4	20.018	90.5	1487.0	21461.5	3.5
1660.0	1643.8	2.496	2.380	34.588	27.611	35.262	27.601	56.9	20.132	90.5	1487.2	21857.3	2.3
1680.0	1663.5	2.465	2.348	34.591	27.616	35.359	27.606	56.4	20.246	90.5	1487.4	22255.3	1.7
1700.0	1683.3	2.441	2.323	34.593	27.619	35.454	27.609	56.2	20.358	90.5	1487.7	22655.5	4.4
1720.0	1703.0	2.404	2.285	34.596	27.625	35.552	27.615	55.6	20.470	90.5	1487.8	23057.9	3.2
1740.0	1722.7	2.372	2.252	34.598	27.629	35.648	27.619	55.1	20.581	90.5	1488.0	23462.4	4.4
1760.0	1742.4	2.341	2.219	34.602	27.635	35.746	27.625	54.6	20.691	90.5	1488.2	23869.1	2.4
1780.0	1762.1	2.317	2.194	34.605	27.640	35.842	27.630	54.2	20.799	90.5	1488.5	24277.8	1.8
1800.0	1781.8	2.293	2.168	34.607	27.644	35.937	27.633	53.8	20.907	90.5	1488.7	24688.7	3.0
1820.0	1801.5	2.268	2.142	34.609	27.647	36.032	27.637	53.5	21.014	90.6	1488.9	25101.6	-.2
1840.0	1821.2	2.253	2.126	34.611	27.650	36.126	27.639	53.3	21.121	90.6	1489.2	25516.6	4.5
1860.0	1840.9	2.222	2.093	34.612	27.654	36.221	27.643	52.9	21.227	90.5	1489.4	25933.7	2.4
1880.0	1860.6	2.192	2.063	34.613	27.657	36.317	27.647	52.5	21.333	90.5	1489.6	26352.8	1.0
1900.0	1880.3	2.176	2.045	34.615	27.659	36.410	27.649	52.3	21.438	90.5	1489.9	26773.9	2.2
1920.0	1900.0	2.162	2.030	34.616	27.662	36.504	27.651	52.1	21.542	90.5	1490.2	27197.1	1.3
1940.0	1919.6	2.145	2.011	34.618	27.665	36.597	27.654	51.9	21.646	90.5	1490.4	27622.2	1.0
1960.0	1939.3	2.121	1.985	34.621	27.669	36.693	27.659	51.4	21.749	90.5	1490.6	28049.4	3.1
1980.0	1959.0	2.096	1.960	34.624	27.674	36.789	27.663	51.0	21.851	90.4	1490.9	28478.5	4.0
2000.0	1978.7	2.084	1.946	34.625	27.676	36.882	27.665	50.8	21.953	90.5	1491.2	28909.6	2.5
2050.0	2027.9	2.038	1.896	34.629	27.683	37.117	27.672	50.2	22.206	90.4	1491.8	29996.0	.8
2100.0	2077.1	1.999	1.854	34.633	27.690	37.350	27.678	49.6	22.455	90.5	1492.5	31094.4	.8
2150.0	2126.3	1.964	1.815	34.638	27.696	37.583	27.684	49.1	22.702	90.5	1493.2	32204.7	2.1
2200.0	2175.4	1.938	1.785	34.641	27.701	37.815	27.689	48.7	22.946	90.5	1493.9	33326.9	.3
2250.0	2224.6	1.915	1.759	34.644	27.705	38.044	27.693	48.4	23.189	90.5	1494.6	34460.8	-.2
2300.0	2273.7	1.889	1.728	34.645	27.709	38.273	27.696	48.1	23.431	90.4	1495.4	35606.3	2.2
2350.0	2322.9	1.849	1.684	34.648	27.714	38.505	27.702	47.6	23.670	90.4	1496.0	36763.3	2.2
2400.0	2372.0	1.822	1.654	34.650	27.718	38.734	27.705	47.3	23.907	90.4	1496.8	37931.8	-.1
2450.0	2421.1	1.795	1.622	34.652	27.722	38.964	27.709	47.0	24.143	90.5	1497.5	39111.6	1.4
2500.0	2470.2	1.767	1.591	34.654	27.726	39.192	27.712	46.7	24.377	90.5	1498.2	40302.7	1.5
2550.0	2519.3	1.747	1.567	34.656	27.729	39.421	27.716	46.4	24.610	90.4	1499.0	41505.0	1.5
2600.0	2568.3	1.729	1.544	34.658	27.733	39.648	27.719	46.2	24.842	90.4	1499.8	42718.4	.7
2650.0	2617.4	1.710	1.521	34.660	27.736	39.875	27.721	46.0	25.072	90.4	1500.5	43942.9	.7
2700.0	2666.4	1.685	1.492	34.663	27.740	40.103	27.726	45.6	25.302	90.4	1501.3	45178.3	1.6
2750.0	2715.5	1.668	1.471	34.665	27.743	40.330	27.729	45.5	25.529	90.4	1502.0	46424.7	1.1
2800.0	2764.5	1.653	1.452	34.666	27.745	40.555	27.730	45.3	25.756	90.4	1502.8	47682.0	.0
2850.0	2813.5	1.642	1.436	34.667	27.748	40.780	27.733	45.2	25.983	90.5	1503.6	48950.0	-.6
2900.0	2862.6	1.624	1.414	34.669	27.750	41.006	27.735	45.0	26.208	90.4	1504.4	50228.9	1.8
2950.0	2911.5	1.607	1.392	34.670	27.753	41.231	27.738	44.8	26.433	90.4	1505.2	51518.5	-1.1
3000.0	2960.5	1.593	1.373	34.671	27.756	41.456	27.740	44.7	26.657	90.4	1506.0	52818.8	.7
3050.0	3009.5	1.582	1.358	34.673	27.758	41.680	27.742	44.6	26.880	90.4	1506.8	54129.7	2.2
3100.0	3058.5	1.569	1.341	34.675	27.761	41.904	27.744	44.4	27.102	90.4	1507.6	55451.3	.2
3102.0	3060.4	1.570	1.341	34.674	27.760	41.912	27.743	44.5	27.111	90.4	1507.6	55504.4	.0

Station 45 Latitude 32° 47.16'N Longitude 127° 13.66'W 27 Aug 1989 GMT 05:01 Bottom 4400 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.118	19.118	33.486	23.835	23.835	23.835	405.7	.000	90.0	1517.9	.0	.0
10.0	10.0	19.117	19.115	33.486	23.836	23.879	23.836	406.0	.406	90.1	1518.1	2.0	.8
20.0	19.9	19.123	19.119	33.485	23.835	23.922	23.834	406.5	.812	90.0	1518.2	8.1	-.2
30.0	29.9	19.120	19.115	33.486	23.836	23.967	23.835	406.7	1.219	90.0	1518.4	18.2	-.3
40.0	39.9	19.113	19.106	33.486	23.838	24.012	23.837	406.9	1.626	90.0	1518.5	32.4	9.9
50.0	49.8	18.807	18.798	33.503	23.930	24.147	23.927	398.5	2.030	89.7	1517.8	50.6	85.4
60.0	59.8	18.813	18.802	33.608	24.008	24.269	24.006	391.4	2.426	89.9	1518.2	72.8	144.9
70.0	69.8	17.455	17.444	33.586	24.325	24.631	24.322	361.4	2.806	89.9	1514.3	98.9	587.4
80.0	79.7	16.192	16.179	33.609	24.638	24.989	24.635	331.8	3.148	90.1	1510.7	128.6	107.0
90.0	89.7	16.434	16.419	33.856	24.773	25.167	24.769	319.4	3.472	90.1	1511.9	161.6	56.4
100.0	99.7	16.116	16.100	33.862	24.851	25.289	24.847	312.2	3.789	90.2	1511.1	197.7	96.8
110.0	109.6	15.644	15.627	33.827	24.931	25.414	24.927	304.9	4.097	90.3	1509.8	237.0	82.7
120.0	119.6	14.920	14.902	33.745	25.026	25.556	25.023	295.9	4.398	90.1	1507.5	279.3	110.3
130.0	129.5	14.383	14.364	33.734	25.133	25.708	25.129	285.9	4.689	90.4	1506.0	324.5	91.5
140.0	139.5	13.657	13.637	33.631	25.205	25.826	25.201	279.2	4.972	90.5	1503.6	372.6	99.6
150.0	149.4	13.110	13.089	33.617	25.305	25.971	25.301	269.9	5.246	90.7	1501.9	423.4	91.6
160.0	159.4	12.411	12.390	33.574	25.408	26.122	25.404	260.1	5.511	90.8	1499.7	477.0	68.3
170.0	169.3	11.744	11.722	33.534	25.503	26.263	25.499	251.1	5.767	90.9	1497.5	533.1	100.7
180.0	179.3	11.354	11.332	33.550	25.587	26.394	25.583	243.2	6.014	91.0	1496.3	591.7	82.8
190.0	189.2	10.887	10.864	33.571	25.687	26.540	25.683	233.8	6.254	90.9	1494.8	652.7	109.9
200.0	199.2	10.272	10.248	33.606	25.822	26.722	25.818	221.0	6.483	90.9	1492.8	716.0	182.7
210.0	209.1	10.025	10.001	33.659	25.905	26.851	25.901	213.2	6.700	90.9	1492.2	781.5	165.7
220.0	219.0	9.543	9.519	33.740	26.048	27.041	26.044	199.7	6.905	91.0	1490.7	849.2	97.7
230.0	229.0	9.257	9.232	33.839	26.172	27.211	26.168	188.0	7.100	90.9	1489.9	918.8	115.5
240.0	238.9	9.080	9.054	33.900	26.249	27.334	26.244	180.9	7.286	90.9	1489.5	990.3	115.5
250.0	248.9	8.865	8.839	33.938	26.313	27.444	26.308	174.9	7.464	90.9	1488.9	1063.5	65.7
260.0	258.8	8.536	8.509	33.961	26.382	27.560	26.378	168.4	7.637	91.0	1487.8	1138.6	37.2
270.0	268.7	8.390	8.362	33.970	26.411	27.636	26.407	165.7	7.804	91.0	1487.5	1215.3	38.9
280.0	278.7	8.244	8.216	33.976	26.438	27.709	26.434	163.3	7.968	90.9	1487.1	1293.6	28.9
290.0	288.6	8.112	8.082	33.988	26.467	27.784	26.463	160.6	8.130	90.9	1486.8	1373.5	40.6
300.0	298.5	7.985	7.955	33.991	26.488	27.851	26.484	158.7	8.290	90.9	1486.4	1455.1	12.5
310.0	308.5	7.879	7.848	33.994	26.506	27.915	26.502	157.1	8.447	90.9	1486.2	1538.2	31.2
320.0	318.4	7.721	7.690	34.001	26.535	27.990	26.530	154.5	8.603	90.9	1485.8	1622.9	28.3
330.0	328.3	7.579	7.547	33.997	26.552	28.054	26.548	152.9	8.757	90.8	1485.4	1709.0	24.7
340.0	338.2	7.442	7.410	33.998	26.573	28.121	26.568	151.0	8.908	90.9	1485.0	1796.7	24.4
350.0	348.2	7.368	7.334	34.009	26.592	28.186	26.587	149.3	9.058	90.9	1484.9	1885.9	18.3
360.0	358.1	7.261	7.226	34.012	26.610	28.250	26.605	147.7	9.207	90.8	1484.6	1976.6	26.7
370.0	368.0	7.099	7.064	34.007	26.628	28.316	26.624	146.0	9.354	90.8	1484.2	2068.7	16.2
380.0	378.0	6.960	6.924	34.002	26.643	28.377	26.638	144.6	9.499	90.8	1483.8	2162.3	22.3
390.0	387.9	6.869	6.833	34.011	26.662	28.443	26.658	142.9	9.643	90.8	1483.6	2257.3	15.3
400.0	397.8	6.686	6.649	34.005	26.683	28.510	26.678	140.9	9.785	90.7	1483.0	2353.7	17.6
410.0	407.7	6.516	6.479	34.007	26.707	28.581	26.702	138.7	9.925	90.7	1482.5	2451.5	26.0
420.0	417.6	6.399	6.361	34.011	26.725	28.647	26.721	136.9	10.063	90.8	1482.2	2550.7	15.2
430.0	427.6	6.283	6.245	34.011	26.740	28.708	26.735	135.6	10.199	90.7	1481.9	2651.3	17.5
440.0	437.5	6.191	6.153	34.020	26.759	28.774	26.754	133.8	10.334	90.8	1481.7	2753.1	8.4
450.0	447.4	6.138	6.099	34.029	26.773	28.834	26.768	132.6	10.467	90.7	1481.7	2856.3	16.6
460.0	457.3	6.038	5.998	34.034	26.790	28.898	26.785	131.0	10.599	90.7	1481.5	2960.8	12.8
470.0	467.3	5.994	5.954	34.049	26.807	28.960	26.802	129.5	10.729	90.7	1481.5	3066.6	10.2
480.0	477.2	5.984	5.942	34.070	26.825	29.024	26.820	127.9	10.858	90.7	1481.6	3173.7	13.4
490.0	487.1	5.962	5.920	34.081	26.837	29.082	26.832	126.9	10.985	90.7	1481.7	3282.0	17.8
500.0	497.0	5.861	5.818	34.095	26.861	29.153	26.855	124.7	11.111	90.7	1481.5	3391.6	22.5
510.0	506.9	5.791	5.748	34.109	26.881	29.219	26.875	122.9	11.235	90.6	1481.4	3502.4	10.7
520.0	516.9	5.658	5.615	34.106	26.894	29.280	26.889	121.5	11.357	90.7	1481.0	3614.5	9.0
530.0	526.8	5.563	5.518	34.113	26.911	29.343	26.906	120.0	11.478	90.6	1480.8	3727.7	24.5
540.0	536.7	5.426	5.382	34.111	26.926	29.406	26.920	118.5	11.597	90.6	1480.4	3842.1	14.2
550.0	546.6	5.265	5.220	34.109	26.944	29.472	26.939	116.8	11.715	90.7	1479.9	3957.7	14.8
560.0	556.5	5.131	5.086	34.114	26.963	29.539	26.958	114.9	11.831	90.7	1479.5	4074.4	12.4
570.0	566.4	5.045	4.999	34.125	26.982	29.604	26.976	113.1	11.945	90.7	1479.3	4192.3	24.4
580.0	576.3	5.009	4.963	34.131	26.991	29.659	26.985	112.4	12.057	90.6	1479.4	4311.2	6.2
590.0	586.3	4.981	4.934	34.137	26.999	29.713	26.993	111.7	12.170	90.7	1479.4	4431.3	16.5
600.0	596.2	4.896	4.849	34.145	27.015	29.776	27.009	110.2	12.281	90.7	1479.2	4552.5	22.6
610.0	606.1	4.803	4.755	34.153	27.032	29.841	27.027	108.5	12.390	90.7	1479.0	4674.8	15.0
620.0	616.0	4.768	4.720	34.162	27.043	29.897	27.037	107.6	12.498	90.7	1479.1	4798.1	13.2
630.0	625.9	4.743	4.694	34.181	27.060	29.961	27.055	106.0	12.604	90.7	1479.1	4922.5	11.2
640.0	635.8	4.692	4.642	34.192	27.075	30.022	27.069	104.6	12.710	90.7	1479.1	5047.9	21.7
650.0	645.7	4.641	4.591	34.204	27.090	30.084	27.085	103.2	12.814	90.7	1479.1	5174.4	15.3
660.0	655.6	4.616	4.565	34.212	27.100	30.140	27.094	102.4	12.917	90.7	1479.2	5301.9	8.9
670.0	665.5	4.589	4.537	34.221	27.109	30.196	27.104	101.5	13.019	90.6	1479.2	5430.4	19.4
680.0	675.5	4.522	4.470	34.231	27.125	30.258	27.119	100.1	13.119	90.7	1479.1	5559.9	15.0
690.0	685.4	4.512	4.459	34.246	27.138	30.317	27.133	98.9	13.219	90.8	1479.3	5690.3	13.8
700.0	695.3	4.444	4.390	34.255	27.152	30.378	27.146	97.6	13.317	90.6	1479.2	5821.8	8.9
710.0	705.2	4.435	4.380	34.267	27.163	30.435	27.157	96.7	13.414	90.7	1479.3	5954.2	8.3
720.0	715.1	4.408	4.353	34.272	27.170	30.488	27.164	96.1	13.511	90.7	1479.4	6087.5	8.0
730.0	725.0	4.394	4.338	34.288	27.184	30.548	27.178	94.8	13.606	90.6	1479.5	6221.8	15.0
740.0	734.9	4.359	4.303	34.297	27.196	30.606	27.190	93.8	13.700	90.6	1479.5	6357.0	5.9
750.0	744.8	4.298	4.241	34.301	27.205	30.662	27.199	92.9	13.794	90.6	1479.4	6493.2	10.9
760.0	754.7	4.285	4.228	34.315	27.218	30.721	27.212	91.8	13.886	90.6	1479.6	6630.3	15.0
770.0	764.6	4.243	4.185	34.324	27.229	30.779	27.223	90.7	13.977	90.5	1479.6	6768.2	11.2
780.0	774.5	4.231	4.172	34.333	27.238	30.833	27.232	90.0	14.068	90.6	1479.7	6907.1	8.6
790.0	784.4	4.258	4.198	34.349	27.247	30.888	27.241	89.3	14.158	90.6	1480.0	7046.8	15.6
800.0	794.3	4.241	4.181	34.353	27.253	30.939	27.246	88.8	14.246	90.6	1480.1	7187.4	10.1
810.0	804.2	4.219	4.157	34.361	27.261	30.993	27.255	88.1	14.335	90.6	1480.2	7328.9	5.4
820.0	814.1	4.197	4.135	34.365	27.267	31.045	27.260	87.6	14.423	90.6	1480.2	7471.3	6.9
830.0	824.0	4.148	4.085	34.367	27.274	31.099	27.267	87.0	14.510	90.6	1480.2	7614.5	12.4
840.0	833.9	4.106	4.043	34.373	27.283	31.154	27.276	86.2	14.597	90.6	1480.2	7758.5	7.5
850.0	843.8	4.061	3.997	34.378	27.292	31.210	27.285	85.3	14.682	90.6	1480.2	7903.4	6.6
860.0	853.7	4.031	3.967	34.386	27.302	31.266	27.295	84.4	14.767	90.6	1480.2	8049.2	6.6
870.0	863.6	4.009	3.944	34.391	27.308	31.318	27.301	83.9	14.851	90.7	1480.3	8195.7	6.6
880.0	873.5	3.985	3.919	34.396	27.314	31.371	27.308	83.3	14.935	90.6	1480.4	8343.1	9.8
890.0	883.4	3.961	3.895	34.406	27.325	31.428	27.318	82.4	15.018	90.6	1480.5	8491.3	7.5
900.0	893.3	3.941	3.874	34.412	27.331	31.481	27.325	81.8	15.100	90.6	1480.6	8640.3	3.4
910.0	903.2	3.921	3.853	34.419	27.339	31.534	27.332	81.2	15.181	90.5	1480.6	8790.1	7.8
920.0	913.1	3.888	3.819	34.424	27.346	31.588	27.339	80.5	15.262	90.6	1480.7	8940.8	9.2
930.0	923.0	3.843	3.774	34.425	27.352	31.640	27.345	80.0	15.342	90.5	1480.7	9092.2	3.1
940.0	932.9	3.830	3.760	34.432	27.358	31.693	27.351	79.4	15.422	90.6	1480.8	9244.3	5.4
950.0	942.8	3.811	3.741	34.437	27.365	31.745	27.358	78.9	15.501	90.6	1480.9	9397.3	4.3
960.0	952.6	3.783	3.712	34.441	27.371	31.798	27.364	78.3	15.580	90.6	1480.9	9551.0	8.1
970.0	962.5	3.773	3.701	34.443	27.374	31.846	27.366	78.1	15.658	90.6	1481.0	9705.5	5.5
980.0	972.4	3.753	3.681	34.449	27.381	31.899	27.373	77.5	15.736	90.6	1481.1	9860.8	5.2
990.0	982.3	3.733	3.660	34.454	27.386	31.951	27.379	77.0	15.813	90.5	1481.2	10016.8	6.9

Station 45 Latitude 32° 47.16'N Longitude 127° 13.66'W 27 Aug 1989 GMT 05:01 Bottom 4400 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.704	3.631	34.457	27.391	32.002	27.384	76.5	15.890	90.6	1481.3	10173.6	4.3
1020.0	1012.0	3.670	3.595	34.464	27.400	32.103	27.393	75.8	16.042	90.5	1481.5	10489.4	6.6
1040.0	1031.8	3.625	3.549	34.471	27.410	32.206	27.403	74.9	16.193	90.5	1481.6	10808.1	3.4
1060.0	1051.5	3.593	3.515	34.474	27.417	32.304	27.409	74.4	16.342	90.6	1481.8	11129.8	2.0
1080.0	1071.3	3.547	3.468	34.482	27.427	32.407	27.420	73.5	16.490	90.5	1482.0	11454.4	8.1
1100.0	1091.1	3.497	3.417	34.488	27.437	32.510	27.430	72.6	16.636	90.6	1482.1	11781.9	3.8
1120.0	1110.8	3.458	3.377	34.493	27.445	32.610	27.438	71.9	16.780	90.6	1482.3	12112.2	1.4
1140.0	1130.6	3.425	3.342	34.497	27.451	32.708	27.443	71.4	16.924	90.6	1482.4	12445.3	1.1
1160.0	1150.4	3.390	3.306	34.502	27.459	32.807	27.451	70.7	17.066	90.7	1482.6	12781.2	2.3
1180.0	1170.1	3.361	3.275	34.507	27.466	32.907	27.458	70.2	17.207	90.6	1482.8	13119.9	3.5
1200.0	1189.9	3.318	3.232	34.510	27.472	33.005	27.464	69.6	17.347	90.6	1483.0	13461.3	4.1
1220.0	1209.7	3.278	3.190	34.515	27.480	33.105	27.472	68.9	17.485	90.6	1483.2	13805.4	2.6
1240.0	1229.4	3.237	3.148	34.518	27.487	33.204	27.479	68.3	17.622	90.5	1483.3	14152.2	1.5
1260.0	1249.2	3.195	3.105	34.522	27.494	33.304	27.486	67.7	17.758	90.6	1483.5	14501.6	3.5
1280.0	1268.9	3.159	3.068	34.526	27.501	33.403	27.493	67.0	17.893	90.5	1483.7	14853.8	6.5
1300.0	1288.7	3.112	3.020	34.531	27.509	33.503	27.500	66.3	18.026	90.6	1483.8	15208.5	7.4
1320.0	1308.4	3.070	2.976	34.535	27.516	33.603	27.507	65.7	18.158	90.6	1484.0	15565.8	3.9
1340.0	1328.2	3.039	2.944	34.539	27.522	33.701	27.513	65.1	18.289	90.6	1484.2	15925.6	1.5
1360.0	1347.9	2.997	2.900	34.543	27.530	33.801	27.521	64.4	18.418	90.5	1484.3	16288.0	3.3
1380.0	1367.7	2.972	2.874	34.546	27.534	33.897	27.525	64.1	18.547	90.5	1484.6	16652.9	2.7
1400.0	1387.4	2.935	2.836	34.549	27.540	33.995	27.531	63.5	18.674	90.6	1484.7	17020.3	.1
1420.0	1407.1	2.914	2.813	34.551	27.544	34.090	27.535	63.2	18.801	90.6	1485.0	17390.2	5.7
1440.0	1426.9	2.882	2.781	34.554	27.549	34.187	27.539	62.8	18.927	90.5	1485.2	17762.5	3.9
1460.0	1446.6	2.851	2.748	34.557	27.554	34.285	27.545	62.3	19.052	90.5	1485.4	18137.3	3.7
1480.0	1466.3	2.817	2.713	34.561	27.560	34.383	27.551	61.8	19.176	90.5	1485.6	18514.5	4.0
1500.0	1486.1	2.782	2.676	34.563	27.565	34.480	27.556	61.3	19.299	90.5	1485.8	18894.1	3.1
1520.0	1505.8	2.756	2.649	34.566	27.570	34.576	27.560	60.9	19.422	90.5	1486.0	19276.1	1.1
1540.0	1525.5	2.716	2.608	34.569	27.576	34.675	27.567	60.3	19.543	90.4	1486.1	19660.4	4.3
1560.0	1545.3	2.687	2.577	34.572	27.582	34.772	27.572	59.8	19.663	90.5	1486.4	20047.1	4.9
1580.0	1565.0	2.655	2.544	34.576	27.587	34.869	27.578	59.3	19.782	90.5	1486.6	20436.1	2.6
1600.0	1584.7	2.614	2.502	34.578	27.593	34.967	27.583	58.7	19.900	90.6	1486.7	20827.4	2.3
1620.0	1604.4	2.580	2.467	34.582	27.598	35.065	27.589	58.2	20.017	90.6	1486.9	21221.0	3.7
1640.0	1624.2	2.545	2.431	34.584	27.603	35.162	27.594	57.7	20.133	90.6	1487.1	21616.8	4.1
1660.0	1643.9	2.517	2.401	34.586	27.608	35.258	27.598	57.3	20.248	90.5	1487.3	22014.9	1.1
1680.0	1663.6	2.484	2.367	34.589	27.612	35.355	27.603	56.8	20.362	90.5	1487.5	22415.2	.3
1700.0	1683.3	2.456	2.338	34.591	27.617	35.450	27.607	56.5	20.475	90.5	1487.7	22817.7	1.7
1720.0	1703.0	2.433	2.314	34.593	27.620	35.545	27.610	56.2	20.588	90.5	1488.0	23222.4	1.5
1740.0	1722.7	2.406	2.285	34.596	27.625	35.642	27.615	55.7	20.700	90.5	1488.2	23629.2	3.5
1760.0	1742.4	2.379	2.257	34.597	27.628	35.737	27.618	55.4	20.811	90.5	1488.4	24038.2	3.2
1780.0	1762.1	2.352	2.228	34.600	27.633	35.833	27.623	54.9	20.921	90.5	1488.6	24449.4	2.1
1800.0	1781.8	2.333	2.209	34.603	27.637	35.929	27.627	54.6	21.031	90.5	1488.9	24862.7	3.6
1820.0	1801.5	2.311	2.185	34.604	27.640	36.023	27.629	54.3	21.140	90.6	1489.1	25278.1	1.8
1840.0	1821.2	2.291	2.163	34.607	27.644	36.118	27.633	54.0	21.248	90.5	1489.4	25695.5	1.5
1860.0	1840.9	2.266	2.138	34.608	27.647	36.212	27.636	53.7	21.356	90.5	1489.6	26115.1	2.1
1880.0	1860.6	2.244	2.113	34.611	27.651	36.308	27.640	53.3	21.463	90.5	1489.8	26536.8	2.2
1900.0	1880.3	2.221	2.089	34.612	27.654	36.402	27.643	53.1	21.569	90.5	1490.1	26960.5	3.9
1920.0	1900.0	2.202	2.069	34.614	27.657	36.497	27.646	52.8	21.675	90.5	1490.3	27386.3	2.5
1940.0	1919.7	2.173	2.039	34.616	27.661	36.592	27.650	52.4	21.780	90.5	1490.5	27814.1	3.7
1960.0	1939.4	2.161	2.025	34.618	27.664	36.686	27.653	52.1	21.885	90.5	1490.8	28243.9	.5
1980.0	1959.1	2.147	2.010	34.620	27.667	36.779	27.655	51.9	21.989	90.5	1491.1	28675.7	1.6
2000.0	1978.7	2.123	1.985	34.623	27.670	36.875	27.659	51.5	22.092	90.5	1491.3	29109.6	4.0
2050.0	2027.9	2.080	1.938	34.628	27.678	37.110	27.667	50.8	22.348	90.5	1492.0	30202.8	1.4
2100.0	2077.1	2.024	1.879	34.632	27.686	37.346	27.675	50.0	22.600	90.5	1492.6	31308.3	2.3
2150.0	2126.3	1.988	1.838	34.635	27.692	37.578	27.680	49.5	22.849	90.5	1493.3	32425.9	2.1
2200.0	2175.5	1.954	1.801	34.639	27.698	37.810	27.686	49.1	23.095	90.4	1494.0	33555.3	1.2
2250.0	2224.6	1.913	1.757	34.642	27.704	38.042	27.691	48.6	23.339	90.5	1494.6	34696.6	1.6
2300.0	2273.8	1.885	1.724	34.644	27.708	38.272	27.695	48.2	23.581	90.5	1495.4	35849.5	1.0
2350.0	2322.9	1.856	1.691	34.646	27.712	38.503	27.699	47.9	23.821	90.5	1496.1	37014.0	.2
2400.0	2372.0	1.823	1.654	34.649	27.717	38.734	27.705	47.4	24.059	90.5	1496.8	38189.9	2.0
2450.0	2421.1	1.797	1.625	34.652	27.722	38.964	27.709	47.0	24.295	90.4	1497.5	39377.3	2.9
2500.0	2470.2	1.775	1.599	34.656	27.726	39.193	27.713	46.7	24.529	90.5	1498.3	40575.8	.3
2550.0	2519.3	1.760	1.579	34.658	27.730	39.420	27.716	46.5	24.762	90.5	1499.0	41785.6	-1.4
2600.0	2568.4	1.744	1.559	34.660	27.733	39.647	27.719	46.3	24.994	90.4	1499.8	43006.4	-.2
2650.0	2617.5	1.727	1.537	34.661	27.736	39.874	27.722	46.1	25.225	90.5	1500.6	44238.4	1.6
2700.0	2666.5	1.708	1.515	34.663	27.739	40.100	27.724	46.0	25.455	90.4	1501.4	45481.4	.8
2750.0	2715.6	1.694	1.497	34.664	27.741	40.326	27.726	45.8	25.684	90.4	1502.1	46735.3	.5
2800.0	2764.6	1.677	1.475	34.665	27.743	40.551	27.728	45.7	25.913	90.4	1502.9	48000.3	.6
2850.0	2813.6	1.658	1.452	34.666	27.746	40.777	27.730	45.5	26.141	90.4	1503.7	49276.1	-1.1
2900.0	2862.6	1.645	1.434	34.667	27.748	41.001	27.732	45.4	26.368	90.5	1504.5	50562.8	.9
2950.0	2911.6	1.625	1.410	34.669	27.751	41.228	27.736	45.1	26.595	90.4	1505.2	51860.3	.4
3000.0	2960.6	1.612	1.392	34.670	27.753	41.452	27.737	45.1	26.820	90.4	1506.0	53168.6	.2
3050.0	3009.6	1.600	1.375	34.672	27.756	41.676	27.740	44.9	27.045	90.4	1506.8	54487.6	.8
3100.0	3058.5	1.592	1.363	34.673	27.758	41.899	27.741	44.9	27.270	90.4	1507.7	55817.3	1.1
3104.0	3062.4	1.592	1.362	34.673	27.757	41.917	27.741	44.9	27.288	90.4	1507.7	55924.1	.0

Station 46 Latitude 32° 33.21'N Longitude 127° 22.23'W 27 Aug 1989 GMT 08:13 Bottom 4400 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.157	19.157	33.447	23.796	23.796	23.796	409.4	.000	90.1	1518.0	.0	.0
10.0	10.0	19.160	19.158	33.447	23.796	23.839	23.795	409.9	.410	90.1	1518.1	2.0	-5.0
20.0	19.9	19.162	19.159	33.448	23.796	23.883	23.795	410.2	.820	90.1	1518.3	8.2	.7
30.0	29.9	19.165	19.160	33.448	23.796	23.926	23.794	410.6	1.230	90.2	1518.5	18.4	-.6
40.0	39.9	19.195	19.188	33.651	23.944	24.117	23.942	396.9	1.633	90.0	1519.0	32.7	128.8
50.0	49.8	19.013	19.004	33.881	24.166	24.383	24.164	376.0	2.022	90.0	1518.9	50.9	384.5
60.0	59.8	18.720	18.709	34.061	24.378	24.639	24.376	356.2	2.385	90.0	1518.4	72.9	272.3
70.0	69.8	17.114	17.103	33.965	24.697	25.003	24.694	326.0	2.720	90.1	1513.8	98.3	111.6
80.0	79.7	16.791	16.778	33.989	24.792	25.142	24.789	317.3	3.041	90.2	1513.0	127.0	57.1
90.0	89.7	16.701	16.687	34.045	24.855	25.249	24.852	311.5	3.355	90.2	1513.0	158.9	42.1
100.0	99.7	16.260	16.244	33.972	24.902	25.340	24.898	307.4	3.664	90.3	1511.7	193.8	106.5
110.0	109.6	15.409	15.392	33.874	25.018	25.503	25.015	296.4	3.967	90.2	1509.1	231.8	169.9
120.0	119.6	14.751	14.733	33.834	25.132	25.661	25.128	285.8	4.258	90.4	1507.1	272.8	52.9
130.0	129.5	13.875	13.857	33.695	25.209	25.785	25.205	278.6	4.541	90.6	1504.3	316.6	61.0
140.0	139.5	13.545	13.526	33.705	25.285	25.906	25.281	271.6	4.816	90.7	1503.3	363.1	36.3
150.0	149.4	12.771	12.751	33.626	25.378	26.045	25.374	262.8	5.085	90.7	1500.8	412.4	130.5
160.0	159.4	12.311	12.290	33.624	25.466	26.179	25.462	254.6	5.343	90.8	1499.4	464.3	68.9
170.0	169.3	11.841	11.819	33.634	25.563	26.322	25.559	245.5	5.593	91.0	1498.0	518.7	98.7
180.0	179.3	11.299	11.276	33.630	25.660	26.466	25.656	236.3	5.835	90.9	1496.2	575.5	112.0
190.0	189.2	10.810	10.787	33.649	25.762	26.615	25.758	226.7	6.067	90.9	1494.7	634.7	122.5
200.0	199.1	10.340	10.316	33.683	25.870	26.770	25.866	216.5	6.288	91.0	1493.2	696.1	76.4
210.0	209.1	9.986	9.962	33.729	25.967	26.913	25.962	207.4	6.500	91.0	1492.1	759.7	112.1
220.0	219.0	9.583	9.559	33.789	26.080	27.073	26.076	196.6	6.702	91.0	1490.9	825.3	98.0
230.0	229.0	9.255	9.230	33.846	26.178	27.217	26.174	187.5	6.894	90.9	1489.9	892.9	74.2
240.0	238.9	9.068	9.043	33.883	26.237	27.323	26.233	181.9	7.078	90.9	1489.4	962.3	80.6
250.0	248.8	8.803	8.777	33.916	26.305	27.437	26.301	175.6	7.256	91.0	1488.6	1033.5	8.8
260.0	258.8	8.673	8.646	33.948	26.350	27.527	26.345	171.5	7.430	91.0	1488.3	1106.5	36.6
270.0	268.7	8.488	8.460	33.967	26.393	27.618	26.389	167.4	7.599	90.9	1487.8	1181.1	28.1
280.0	278.6	8.332	8.303	33.975	26.424	27.694	26.419	164.7	7.765	90.9	1487.4	1257.4	43.6
290.0	288.6	8.171	8.141	33.991	26.461	27.777	26.456	161.3	7.928	90.9	1487.0	1335.4	45.0
300.0	298.5	8.055	8.025	33.994	26.481	27.844	26.476	159.4	8.089	90.9	1486.7	1414.9	15.2
310.0	308.4	7.917	7.886	33.999	26.505	27.914	26.500	157.2	8.247	91.0	1486.3	1496.1	36.2
320.0	318.4	7.722	7.691	33.996	26.531	27.986	26.526	154.8	8.403	90.9	1485.8	1578.7	23.9
330.0	328.3	7.510	7.477	33.993	26.559	28.062	26.555	152.1	8.556	90.9	1485.1	1662.9	25.3
340.0	338.2	7.389	7.356	34.005	26.586	28.134	26.581	149.8	8.707	90.9	1484.8	1748.6	38.5
350.0	348.2	7.049	7.016	33.994	26.625	28.222	26.620	145.9	8.855	90.8	1483.6	1835.8	31.1
360.0	358.1	6.868	6.835	33.998	26.652	28.296	26.648	143.4	9.000	90.8	1483.1	1924.5	12.0
370.0	368.0	6.747	6.713	34.005	26.674	28.365	26.669	141.4	9.142	90.8	1482.8	2014.5	24.0
380.0	377.9	6.541	6.506	34.001	26.699	28.437	26.694	139.0	9.282	90.7	1482.1	2105.9	28.4
390.0	387.9	6.393	6.359	34.008	26.723	28.508	26.719	136.7	9.420	90.8	1481.7	2198.8	15.2
400.0	397.8	6.239	6.204	34.014	26.748	28.580	26.743	134.4	9.556	90.8	1481.3	2292.9	11.3
410.0	407.7	6.170	6.134	34.016	26.758	28.637	26.754	133.5	9.690	90.8	1481.1	2388.4	13.1
420.0	417.6	6.106	6.069	34.018	26.768	28.693	26.764	132.6	9.823	90.8	1481.1	2485.3	16.9
430.0	427.6	5.969	5.932	34.023	26.789	28.761	26.785	130.6	9.954	90.8	1480.7	2583.4	.7
440.0	437.5	5.878	5.841	34.027	26.804	28.822	26.799	129.3	10.084	90.8	1480.5	2682.8	20.1
450.0	447.4	5.827	5.789	34.030	26.812	28.877	26.808	128.5	10.213	90.7	1480.4	2783.5	5.7
460.0	457.3	5.780	5.741	34.033	26.821	28.931	26.816	127.8	10.341	90.7	1480.4	2885.4	5.7
470.0	467.2	5.736	5.696	34.037	26.830	28.986	26.825	127.1	10.469	90.7	1480.4	2988.7	15.1
480.0	477.2	5.681	5.640	34.041	26.839	29.042	26.834	126.3	10.596	90.7	1480.3	3093.2	13.3
490.0	487.1	5.531	5.491	34.055	26.869	29.119	26.864	123.4	10.721	90.7	1479.9	3198.9	32.3
500.0	497.0	5.442	5.401	34.062	26.885	29.182	26.880	121.9	10.844	90.7	1479.7	3305.8	14.2
510.0	506.9	5.348	5.306	34.068	26.901	29.245	26.896	120.4	10.965	90.7	1479.5	3414.0	18.0
520.0	516.8	5.293	5.251	34.072	26.911	29.301	26.906	119.6	11.085	90.7	1479.5	3523.3	11.2
530.0	526.8	5.218	5.175	34.081	26.927	29.364	26.922	118.1	11.204	90.6	1479.3	3633.8	19.7
540.0	536.7	5.238	5.194	34.101	26.940	29.423	26.935	116.9	11.321	90.7	1479.6	3745.5	12.1
550.0	546.6	5.174	5.130	34.103	26.949	29.478	26.944	116.1	11.438	90.7	1479.5	3858.4	19.7
560.0	556.5	5.157	5.112	34.114	26.960	29.535	26.955	115.2	11.554	90.6	1479.6	3972.3	6.8
570.0	566.4	5.137	5.091	34.117	26.965	29.586	26.960	114.8	11.669	90.7	1479.7	4087.5	18.0
580.0	576.3	5.033	4.986	34.129	26.986	29.654	26.981	112.8	11.782	90.6	1479.5	4203.7	17.7
590.0	586.2	4.990	4.943	34.138	26.999	29.713	26.993	111.7	11.894	90.7	1479.5	4321.1	12.1
600.0	596.2	4.959	4.911	34.147	27.010	29.770	27.004	110.8	12.006	90.7	1479.5	4439.5	9.5
610.0	606.1	4.883	4.835	34.149	27.019	29.827	27.014	109.8	12.116	90.7	1479.4	4559.1	8.6
620.0	616.0	4.903	4.854	34.173	27.036	29.889	27.030	108.4	12.225	90.7	1479.6	4679.7	14.2
630.0	625.9	4.914	4.864	34.191	27.050	29.948	27.044	107.2	12.333	90.6	1479.9	4801.4	13.3
640.0	635.8	4.845	4.794	34.199	27.064	30.009	27.058	105.9	12.440	90.7	1479.8	4924.2	16.8
650.0	645.7	4.756	4.705	34.200	27.074	30.066	27.069	104.9	12.545	90.7	1479.6	5048.0	5.7
660.0	655.6	4.687	4.636	34.200	27.082	30.121	27.076	104.2	12.649	90.7	1479.4	5172.8	16.8
670.0	665.5	4.607	4.555	34.202	27.093	30.179	27.087	103.2	12.753	90.7	1479.3	5298.6	17.9
680.0	675.4	4.540	4.487	34.208	27.104	30.237	27.098	102.1	12.856	90.7	1479.2	5425.5	1.8
690.0	685.3	4.525	4.472	34.216	27.113	30.292	27.107	101.3	12.957	90.7	1479.3	5553.4	.4
700.0	695.3	4.526	4.472	34.234	27.127	30.351	27.121	100.1	13.058	90.7	1479.5	5682.3	13.3
710.0	705.2	4.508	4.453	34.248	27.140	30.411	27.134	98.9	13.158	90.7	1479.6	5812.1	10.3
720.0	715.1	4.479	4.424	34.259	27.152	30.468	27.146	97.9	13.256	90.7	1479.6	5942.9	10.3
730.0	725.0	4.440	4.384	34.268	27.164	30.527	27.158	96.8	13.353	90.7	1479.7	6074.7	18.8
740.0	734.9	4.371	4.314	34.273	27.175	30.585	27.169	95.8	13.450	90.7	1479.5	6207.5	9.5
750.0	744.8	4.351	4.293	34.290	27.191	30.647	27.185	94.3	13.545	90.7	1479.6	6341.1	12.1
760.0	754.7	4.314	4.256	34.302	27.204	30.706	27.198	93.1	13.638	90.7	1479.7	6475.7	17.4
770.0	764.6	4.289	4.230	34.314	27.216	30.765	27.210	92.0	13.731	90.7	1479.7	6611.3	7.1
780.0	774.5	4.275	4.216	34.321	27.224	30.818	27.217	91.4	13.823	90.6	1479.9	6747.7	10.9
790.0	784.4	4.255	4.195	34.329	27.232	30.873	27.226	90.7	13.914	90.7	1479.9	6885.0	6.3
800.0	794.3	4.210	4.149	34.338	27.244	30.931	27.238	89.6	14.004	90.7	1479.9	7023.2	5.4
810.0	804.2	4.191	4.130	34.343	27.250	30.983	27.244	89.1	14.093	90.6	1480.0	7162.3	8.0
820.0	814.1	4.154	4.092	34.353	27.262	31.042	27.256	88.0	14.182	90.7	1480.1	7302.3	9.2
830.0	824.0	4.131	4.069	34.361	27.270	31.096	27.264	87.3	14.269	90.6	1480.1	7443.1	13.0
840.0	833.9	4.100	4.037	34.367	27.279	31.150	27.272	86.5	14.356	90.6	1480.2	7584.8	6.3
850.0	843.8	4.082	4.018	34.373	27.285	31.203	27.279	86.0	14.442	90.6	1480.3	7727.3	6.9
860.0	853.7	4.061	3.997	34.379	27.292	31.257	27.286	85.3	14.528	90.6	1480.4	7870.7	6.9
870.0	863.6	4.033	3.968	34.386	27.301	31.311	27.294	84.6	14.613	90.7	1480.4	8014.9	11.0
880.0	873.5	4.001	3.935	34.391	27.309	31.365	27.302	83.9	14.697	90.6	1480.4	8159.9	9.5
890.0	883.4	3.987	3.920	34.398	27.316	31.418	27.309	83.3	14.781	90.7	1480.6	8305.8	8.1
900.0	893.3	3.971	3.904	34.408	27.325	31.474	27.318	82.5	14.864	90.6	1480.7	8452.5	9.5
910.0	903.2	3.925	3.857	34.410	27.331	31.527	27.324	81.9	14.946	90.6	1480.6	8599.9	4.8
920.0	913.1	3.899	3.831	34.414	27.337	31.579	27.330	81.4	15.027	90.6	1480.7	8748.2	7.5
930.0	923.0	3.879	3.810	34.420	27.344	31.631	27.337	80.8	15.108	90.6	1480.8	8897.3	.8
940.0	932.8	3.848	3.778	34.424	27.350	31.684	27.343	80.2	15.189	90.6	1480.8	9047.2	7.2
950.0	942.7	3.809	3.739	34.426	27.356	31.737	27.349	79.6	15.269	90.7	1480.8	9197.9	2.2
960.0	952.6	3.787	3.717	34.430	27.361	31.788	27.354	79.2	15.348	90.6	1480.9	9349.3	8.4
970.0	962.5	3.757	3.686	34.434	27.368	31.841	27.361	78.6	15.427	90.7	1481.0	9501.5	10.7
980.0	972.4	3.739	3.667	34.442	27.376	31.895	27.369	77.9	15.505	90.6	1481.1	9654.5	11.6
990.0	982.3	3.734	3.661	34.447	27.381	31.946	27.374	77.5	15.583	90.6	1481.2	9808.2	1.4

Station 46 Latitude 32° 33.21'N Longitude 127° 22.23'W 27 Aug 1989 GMT 08:13 Bottom 4400 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.710	3.637	34.453	27.388	31.999	27.381	76.9	15.660	90.6	1481.3	9962.8	8.1
1020.0	1012.0	3.636	3.562	34.460	27.401	32.105	27.394	75.6	15.813	90.6	1481.3	10274.0	6.6
1040.0	1031.8	3.592	3.517	34.467	27.411	32.207	27.404	74.8	15.963	90.6	1481.5	10588.2	4.9
1060.0	1051.5	3.559	3.481	34.474	27.420	32.308	27.412	74.0	16.112	90.6	1481.7	10905.4	8.7
1080.0	1071.3	3.510	3.431	34.480	27.429	32.410	27.421	73.2	16.259	90.6	1481.8	11225.4	5.8
1100.0	1091.1	3.486	3.406	34.488	27.438	32.511	27.430	72.5	16.405	90.6	1482.0	11548.3	7.0
1120.0	1110.8	3.438	3.357	34.498	27.451	32.616	27.443	71.3	16.549	90.6	1482.2	11874.1	4.9
1140.0	1130.6	3.391	3.309	34.503	27.460	32.717	27.452	70.5	16.690	90.6	1482.3	12202.6	2.9
1160.0	1150.4	3.353	3.270	34.507	27.467	32.816	27.459	69.9	16.831	90.6	1482.5	12533.9	2.9
1180.0	1170.1	3.314	3.229	34.512	27.474	32.916	27.466	69.3	16.969	90.6	1482.7	12867.9	3.8
1200.0	1189.9	3.276	3.190	34.517	27.482	33.017	27.474	68.5	17.107	90.6	1482.8	13204.6	.3
1220.0	1209.7	3.228	3.140	34.524	27.492	33.119	27.484	67.6	17.243	90.6	1483.0	13543.9	2.9
1240.0	1229.4	3.197	3.109	34.527	27.498	33.216	27.489	67.2	17.378	90.6	1483.2	13885.9	3.8
1260.0	1249.2	3.155	3.066	34.531	27.504	33.315	27.496	66.6	17.512	90.6	1483.3	14230.6	7.1
1280.0	1268.9	3.127	3.036	34.535	27.510	33.413	27.502	66.1	17.645	90.6	1483.5	14577.8	4.7
1300.0	1288.7	3.089	2.996	34.537	27.516	33.511	27.507	65.6	17.776	90.5	1483.7	14927.6	.9
1320.0	1308.4	3.067	2.973	34.540	27.521	33.607	27.512	65.2	17.907	90.6	1484.0	15280.0	4.2
1340.0	1328.2	3.029	2.934	34.544	27.527	33.706	27.518	64.6	18.037	90.5	1484.1	15634.9	4.2
1360.0	1347.9	3.000	2.904	34.546	27.531	33.802	27.523	64.3	18.166	90.6	1484.3	15992.3	4.2
1380.0	1367.7	2.958	2.860	34.548	27.537	33.900	27.528	63.7	18.294	90.6	1484.5	16352.2	3.6
1400.0	1387.4	2.928	2.829	34.550	27.542	33.997	27.533	63.3	18.421	90.6	1484.7	16714.6	1.9
1420.0	1407.2	2.897	2.797	34.555	27.548	34.096	27.540	62.7	18.547	90.5	1484.9	17079.5	1.3
1440.0	1426.9	2.857	2.756	34.558	27.555	34.194	27.546	62.1	18.672	90.6	1485.1	17446.8	2.5
1460.0	1446.6	2.823	2.721	34.562	27.560	34.292	27.551	61.6	18.796	90.6	1485.3	17816.5	4.2
1480.0	1466.3	2.789	2.685	34.563	27.565	34.388	27.556	61.2	18.919	90.6	1485.5	18188.6	4.5
1500.0	1486.1	2.757	2.651	34.566	27.570	34.485	27.560	60.8	19.041	90.5	1485.6	18563.1	1.9
1520.0	1505.8	2.729	2.622	34.568	27.574	34.582	27.565	60.4	19.162	90.6	1485.9	18940.0	1.3
1540.0	1525.5	2.699	2.591	34.571	27.579	34.678	27.570	60.0	19.282	90.6	1486.1	19319.2	4.3
1560.0	1545.3	2.665	2.556	34.573	27.584	34.775	27.574	59.5	19.402	90.6	1486.3	19700.8	1.4
1580.0	1565.0	2.634	2.524	34.576	27.589	34.872	27.580	59.0	19.520	90.6	1486.5	20084.6	2.0
1600.0	1584.7	2.603	2.491	34.578	27.593	34.968	27.584	58.6	19.638	90.6	1486.7	20470.8	.5
1620.0	1604.4	2.573	2.460	34.581	27.598	35.065	27.588	58.2	19.755	90.5	1486.9	20859.2	1.7
1640.0	1624.2	2.543	2.429	34.584	27.604	35.162	27.594	57.7	19.871	90.5	1487.1	21249.9	4.1
1660.0	1643.9	2.515	2.400	34.587	27.608	35.259	27.599	57.2	19.986	90.5	1487.3	21642.8	1.1
1680.0	1663.6	2.482	2.365	34.588	27.612	35.354	27.602	56.9	20.100	90.6	1487.5	22037.9	3.8
1700.0	1683.3	2.449	2.331	34.591	27.617	35.452	27.608	56.3	20.213	90.5	1487.7	22435.2	2.3
1720.0	1703.0	2.420	2.301	34.594	27.622	35.548	27.612	55.9	20.325	90.5	1487.9	22834.7	.6
1740.0	1722.7	2.393	2.273	34.596	27.626	35.643	27.616	55.6	20.437	90.5	1488.1	23236.4	3.8
1760.0	1742.4	2.367	2.245	34.598	27.630	35.739	27.620	55.2	20.548	90.6	1488.3	23640.3	2.7
1780.0	1762.1	2.349	2.225	34.599	27.633	35.833	27.622	55.0	20.657	90.6	1488.6	24046.2	-1.7
1800.0	1781.8	2.323	2.199	34.602	27.637	35.929	27.626	54.6	20.767	90.6	1488.8	24454.3	2.1
1820.0	1801.5	2.293	2.167	34.604	27.642	36.025	27.631	54.1	20.876	90.5	1489.0	24864.5	3.6
1840.0	1821.2	2.270	2.143	34.606	27.645	36.120	27.634	53.8	20.984	90.4	1489.3	25276.8	1.2
1860.0	1840.9	2.247	2.118	34.608	27.648	36.215	27.638	53.4	21.091	90.6	1489.5	25691.2	2.1
1880.0	1860.6	2.221	2.091	34.611	27.653	36.311	27.642	53.1	21.197	90.5	1489.7	26107.6	3.9
1900.0	1880.3	2.200	2.069	34.614	27.657	36.407	27.646	52.6	21.303	90.5	1490.0	26526.1	2.2
1920.0	1900.0	2.175	2.043	34.617	27.662	36.503	27.651	52.2	21.408	90.6	1490.2	26946.6	1.0
1940.0	1919.7	2.141	2.007	34.618	27.665	36.598	27.655	51.8	21.512	90.5	1490.4	27369.2	3.4
1960.0	1939.4	2.122	1.987	34.621	27.669	36.694	27.659	51.4	21.615	90.6	1490.7	27793.7	2.8
1980.0	1959.1	2.105	1.969	34.623	27.672	36.787	27.661	51.2	21.718	90.5	1490.9	28220.2	2.5
2000.0	1978.8	2.091	1.953	34.625	27.674	36.881	27.664	51.0	21.820	90.5	1491.2	28648.7	3.7
2050.0	2028.0	2.054	1.912	34.629	27.681	37.114	27.670	50.4	22.073	90.5	1491.9	29728.5	1.1
2100.0	2077.1	2.018	1.873	34.633	27.688	37.347	27.676	49.9	22.324	90.5	1492.6	30820.5	.6
2150.0	2126.3	1.976	1.827	34.636	27.694	37.580	27.682	49.4	22.572	90.6	1493.2	31924.5	.0
2200.0	2175.5	1.948	1.795	34.638	27.698	37.811	27.686	49.0	22.818	90.5	1493.9	33040.4	2.7
2250.0	2224.6	1.913	1.757	34.641	27.703	38.042	27.691	48.6	23.062	90.5	1494.6	34168.0	.7
2300.0	2273.8	1.883	1.723	34.646	27.710	38.275	27.697	48.0	23.303	90.5	1495.4	35307.3	2.5
2350.0	2322.9	1.859	1.694	34.648	27.713	38.504	27.701	47.8	23.543	90.5	1496.1	36458.1	1.3
2400.0	2372.1	1.829	1.661	34.650	27.718	38.734	27.705	47.4	23.781	90.5	1496.8	37620.4	2.0
2450.0	2421.2	1.804	1.631	34.653	27.722	38.963	27.709	47.1	24.017	90.5	1497.5	38794.1	3.2
2500.0	2470.3	1.782	1.606	34.654	27.725	39.190	27.711	46.9	24.252	90.5	1498.3	39979.1	.3
2550.0	2519.3	1.760	1.579	34.657	27.729	39.419	27.715	46.6	24.486	90.5	1499.0	41175.4	-.5
2600.0	2568.4	1.740	1.555	34.658	27.732	39.646	27.718	46.4	24.718	90.5	1499.8	42382.7	.4
2650.0	2617.5	1.716	1.527	34.661	27.736	39.875	27.722	46.0	24.949	90.5	1500.5	43601.2	.1
2700.0	2666.5	1.696	1.503	34.662	27.739	40.101	27.725	45.8	25.178	90.5	1501.3	44830.6	.5
2750.0	2715.6	1.674	1.477	34.665	27.743	40.329	27.728	45.5	25.407	90.5	1502.1	46071.0	1.7
2800.0	2764.6	1.660	1.458	34.666	27.745	40.554	27.730	45.4	25.634	90.5	1502.8	47322.3	-.3
2850.0	2813.6	1.645	1.439	34.668	27.748	40.780	27.733	45.2	25.861	90.5	1503.6	48584.5	.3
2900.0	2862.6	1.628	1.417	34.669	27.751	41.006	27.735	45.0	26.086	90.5	1504.4	49857.4	-.2
2950.0	2911.6	1.615	1.400	34.671	27.753	41.230	27.737	44.9	26.311	90.5	1505.2	51141.1	1.9
3000.0	2960.6	1.599	1.380	34.672	27.755	41.455	27.740	44.8	26.535	90.4	1506.0	52435.4	.4
3050.0	3009.6	1.586	1.363	34.674	27.758	41.680	27.742	44.5	26.758	90.4	1506.8	53740.5	.2
3100.0	3058.6	1.577	1.349	34.675	27.760	41.903	27.744	44.5	26.981	90.5	1507.6	55056.1	.5
3150.0	3107.5	1.566	1.332	34.676	27.762	42.126	27.745	44.4	27.204	90.4	1508.4	56382.4	.3
3200.0	3156.4	1.554	1.316	34.678	27.765	42.350	27.747	44.3	27.426	90.5	1509.2	57719.2	.0
3250.0	3205.4	1.545	1.302	34.679	27.767	42.573	27.750	44.2	27.647	90.4	1510.0	59066.6	2.1
3300.0	3254.3	1.536	1.288	34.680	27.769	42.795	27.751	44.1	27.868	90.4	1510.8	60424.5	-.7
3350.0	3303.2	1.527	1.275	34.682	27.771	43.018	27.753	44.0	28.089	90.4	1511.6	61792.9	.8
3400.0	3352.1	1.520	1.264	34.682	27.772	43.239	27.754	44.0	28.309	90.5	1512.5	63171.8	-.1
3450.0	3401.0	1.514	1.252	34.683	27.774	43.460	27.755	44.0	28.529	90.4	1513.3	64561.1	1.1
3500.0	3449.9	1.509	1.242	34.685	27.775	43.681	27.756	44.0	28.749	90.4	1514.1	65960.9	-.9
3550.0	3498.7	1.505	1.234	34.685	27.777	43.901	27.757	44.0	28.969	90.4	1515.0	67371.0	.9
3600.0	3547.6	1.502	1.225	34.686	27.778	44.121	27.758	44.0	29.189	90.4	1515.8	68791.7	-.2
3650.0	3596.4	1.501	1.219	34.687	27.779	44.340	27.758	44.1	29.409	90.5	1516.7	70222.8	-.1
3700.0	3645.3	1.497	1.210	34.688	27.780	44.560	27.760	44.1	29.630	90.4	1517.5	71664.3	1.7
3750.0	3694.1	1.498	1.206	34.688	27.781	44.778	27.760	44.2	29.851	90.4	1518.4	73116.3	-.3
3800.0	3742.9	1.497	1.200	34.689	27.782	44.997	27.761	44.3	30.072	90.4	1519.2	74578.7	-1.5
3850.0	3791.7	1.498	1.195	34.690	27.783	45.215	27.761	44.4	30.294	90.4	1520.1	76051.7	.1
3900.0	3840.5	1.500	1.191	34.690	27.783	45.432	27.761	44.5	30.516	90.4	1521.0	77535.1	.4
3950.0	3889.3	1.502	1.188	34.690	27.784	45.649	27.761	44.7	30.739	90.3	1521.8	79029.1	.4
4000.0	3938.1	1.504	1.184	34.691	27.784	45.866	27.762	44.8	30.963	90.3	1522.7	80533.7	-1.9
4050.0	3986.8	1.507	1.182	34.691	27.785	46.082	27.762	45.0	31.187	90.4	1523.6	82048.9	.2
4100.0	4035.6	1.510	1.180	34.692	27.785	46.298	27.762	45.1	31.413	90.3	1524.4	83574.7	.0
4150.0	4084.3	1.514	1.178	34.692	27.786	46.514	27.762	45.3	31.639	90.3	1525.3	85111.1	-.2
4200.0	4133.0	1.519	1.177	34.691	27.785	46.728	27.761	45.6	31.866	90.4	1526.2	86658.3	-.2
4250.0	4181.7	1.523	1.176	34.692	27.786	46.944	27.761	45.7	32.094	90.4	1527.1	88216.2	.1
4300.0	4230.4	1.528	1.174	34.692	27.786	47.159	27.761	45.9	32.323	90.3	1528.0	89784.9	.2
4302.0	4232.4	1.528	1.175	34.692	27.786	47.167	27.761	45.9	32.332	90.3	1528.0	89847.9	.0

Station 47 Latitude 32° 21.12'N Longitude 127° 29.94'W 27 Aug 1989 GMT 11:49 Bottom 4100 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.091	19.091	33.444	23.810	23.810	23.810	408.1	.000	90.2	1517.8	.0	.0
10.0	10.0	19.098	19.096	33.444	23.809	23.853	23.809	408.6	.408	90.1	1518.0	2.0	-2.8
20.0	19.9	19.099	19.095	33.444	23.809	23.896	23.808	408.9	.817	90.0	1518.1	8.1	-.8
30.0	29.9	19.100	19.095	33.444	23.810	23.940	23.808	409.3	1.226	90.0	1518.3	18.3	1.0
40.0	39.9	19.110	19.103	33.529	23.872	24.046	23.870	403.7	1.635	90.1	1518.6	32.6	331.3
50.0	49.8	19.167	19.158	33.733	24.014	24.231	24.012	390.6	2.029	90.0	1519.1	50.9	15.8
60.0	59.8	17.592	17.582	33.638	24.332	24.594	24.329	360.5	2.411	90.0	1514.6	73.0	583.3
70.0	69.8	16.509	16.498	33.694	24.630	24.937	24.627	332.3	2.756	90.0	1511.6	98.8	98.0
80.0	79.7	16.863	16.850	33.939	24.736	25.086	24.733	322.6	3.083	90.1	1513.2	127.9	82.5
90.0	89.7	16.788	16.773	34.009	24.808	25.201	24.804	316.1	3.403	90.2	1513.2	160.2	105.7
100.0	99.7	16.680	16.664	34.071	24.881	25.319	24.877	309.4	3.715	90.3	1513.1	195.6	56.5
110.0	109.6	16.573	16.555	34.091	24.922	25.404	24.918	305.8	4.022	90.2	1513.0	234.1	107.4
120.0	119.6	15.527	15.509	33.894	25.008	25.536	25.004	297.8	4.323	90.2	1509.6	275.7	127.1
130.0	129.5	14.902	14.883	33.924	25.169	25.742	25.165	282.7	4.613	90.5	1507.9	320.1	109.5
140.0	139.5	14.474	14.454	33.946	25.278	25.896	25.273	272.5	4.890	90.7	1506.7	367.4	116.4
150.0	149.4	13.727	13.706	33.870	25.375	26.040	25.371	263.3	5.159	90.7	1504.3	417.4	70.3
160.0	159.4	12.062	12.041	33.627	25.515	26.229	25.511	249.8	5.416	90.8	1498.6	470.1	101.3
170.0	169.3	11.510	11.489	33.604	25.600	26.361	25.597	241.8	5.661	90.9	1496.8	525.2	11.0
180.0	179.3	11.065	11.043	33.678	25.739	26.546	25.735	228.8	5.898	91.0	1495.5	582.7	90.6
190.0	189.2	10.519	10.496	33.653	25.816	26.670	25.812	221.5	6.122	91.0	1493.6	642.4	93.7
200.0	199.1	9.963	9.940	33.720	25.963	26.864	25.959	207.5	6.334	90.9	1491.9	704.4	7.8
210.0	209.1	9.656	9.633	33.780	26.061	27.008	26.057	198.3	6.537	91.0	1491.0	768.3	7.2
220.0	219.0	9.421	9.397	33.830	26.139	27.132	26.135	191.0	6.735	90.9	1490.3	834.3	199.6
230.0	229.0	9.300	9.275	33.848	26.172	27.211	26.168	188.0	6.923	91.0	1490.1	902.2	13.0
240.0	238.9	9.019	8.993	33.907	26.264	27.349	26.259	179.4	7.110	91.0	1489.3	971.9	172.0
250.0	248.9	8.928	8.901	33.920	26.288	27.420	26.284	177.2	7.288	91.0	1489.1	1043.5	28.5
260.0	258.8	8.847	8.819	33.934	26.313	27.489	26.308	175.1	7.465	91.0	1489.0	1116.7	99.6
270.0	268.7	8.679	8.651	33.956	26.355	27.579	26.351	171.1	7.637	91.0	1488.5	1191.8	53.0
280.0	278.6	8.478	8.449	33.971	26.399	27.668	26.394	167.1	7.805	90.9	1488.0	1268.5	64.4
290.0	288.6	8.220	8.190	33.989	26.452	27.768	26.448	162.1	7.970	90.9	1487.2	1346.8	48.3
300.0	298.5	8.054	8.023	33.991	26.478	27.841	26.474	159.7	8.130	90.9	1486.7	1426.8	22.2
310.0	308.5	7.873	7.842	33.996	26.508	27.917	26.504	156.9	8.289	90.8	1486.2	1508.3	50.8
320.0	318.4	7.681	7.649	33.992	26.534	27.990	26.529	154.5	8.444	90.9	1485.6	1591.4	7.2
330.0	328.3	7.469	7.437	33.992	26.564	28.067	26.560	151.7	8.597	90.9	1484.9	1676.0	33.5
340.0	338.2	7.306	7.273	33.998	26.592	28.141	26.587	149.1	8.748	90.9	1484.5	1762.1	28.5
350.0	348.2	7.155	7.122	33.998	26.613	28.209	26.608	147.2	8.896	90.8	1484.0	1849.7	20.0
360.0	358.1	6.961	6.927	33.998	26.640	28.283	26.635	144.6	9.042	91.0	1483.4	1938.8	11.7
370.0	368.0	6.790	6.756	33.999	26.663	28.354	26.659	142.4	9.186	90.8	1482.9	2029.2	11.4
380.0	378.0	6.671	6.636	34.000	26.680	28.417	26.676	140.9	9.327	90.8	1482.6	2121.1	11.4
390.0	387.9	6.537	6.502	34.002	26.700	28.483	26.695	139.0	9.467	90.7	1482.3	2214.4	32.5
400.0	397.8	6.459	6.423	34.007	26.714	28.544	26.709	137.8	9.606	90.8	1482.1	2309.0	13.7
410.0	407.7	6.337	6.300	34.012	26.733	28.610	26.729	136.0	9.742	90.7	1481.8	2405.1	21.0
420.0	417.6	6.251	6.214	34.014	26.747	28.670	26.742	134.8	9.878	90.7	1481.6	2502.4	24.2
430.0	427.6	6.119	6.082	34.016	26.765	28.735	26.760	133.1	10.011	90.7	1481.3	2601.1	16.0
440.0	437.5	6.030	5.992	34.022	26.781	28.798	26.777	131.6	10.144	90.7	1481.1	2701.1	11.6
450.0	447.4	5.920	5.881	34.027	26.799	28.862	26.794	130.0	10.274	90.7	1480.8	2802.4	19.5
460.0	457.3	5.808	5.769	34.033	26.818	28.928	26.813	128.2	10.403	90.7	1480.5	2905.0	19.2
470.0	467.3	5.697	5.657	34.045	26.840	28.998	26.836	126.0	10.531	90.7	1480.3	3008.8	18.0
480.0	477.2	5.588	5.548	34.055	26.861	29.065	26.856	124.1	10.656	90.7	1480.0	3113.9	13.0
490.0	487.1	5.486	5.446	34.057	26.875	29.127	26.871	122.7	10.779	90.7	1479.7	3220.2	18.3
500.0	497.0	5.323	5.282	34.068	26.904	29.203	26.899	120.0	10.900	90.7	1479.3	3327.7	14.7
510.0	506.9	5.282	5.241	34.085	26.922	29.267	26.917	118.3	11.020	90.7	1479.3	3436.4	22.9
520.0	516.8	5.203	5.161	34.099	26.943	29.334	26.938	116.4	11.137	90.6	1479.1	3546.3	20.3
530.0	526.8	5.135	5.093	34.105	26.955	29.393	26.950	115.3	11.253	90.7	1479.0	3657.3	19.7
540.0	536.7	5.084	5.040	34.117	26.970	29.455	26.965	113.9	11.368	90.6	1479.0	3769.5	18.8
550.0	546.6	5.010	4.967	34.125	26.985	29.516	26.980	112.5	11.481	90.7	1478.9	3882.8	24.1
560.0	556.5	4.948	4.903	34.133	26.999	29.577	26.994	111.3	11.593	90.7	1478.8	3997.2	10.9
570.0	566.4	4.891	4.846	34.141	27.012	29.636	27.007	110.1	11.704	90.7	1478.7	4112.6	15.0
580.0	576.3	4.813	4.767	34.157	27.034	29.705	27.028	108.1	11.813	90.7	1478.6	4229.2	19.1
590.0	586.3	4.759	4.713	34.166	27.047	29.764	27.042	106.9	11.920	90.6	1478.5	4346.9	7.4
600.0	596.2	4.722	4.675	34.175	27.058	29.822	27.053	105.8	12.027	90.6	1478.6	4465.5	21.1
610.0	606.1	4.683	4.635	34.186	27.071	29.881	27.065	104.7	12.132	90.7	1478.6	4585.3	10.3
620.0	616.0	4.623	4.576	34.191	27.082	29.939	27.076	103.7	12.236	90.7	1478.5	4706.0	10.6
630.0	625.9	4.574	4.526	34.200	27.094	29.998	27.089	102.6	12.339	90.6	1478.5	4827.8	11.2
640.0	635.8	4.543	4.493	34.207	27.103	30.053	27.097	101.8	12.442	90.6	1478.5	4950.6	5.9
650.0	645.7	4.515	4.465	34.218	27.115	30.111	27.110	100.7	12.543	90.7	1478.6	5074.4	15.6
660.0	655.6	4.495	4.445	34.225	27.123	30.165	27.117	100.1	12.643	90.7	1478.7	5199.2	15.6
670.0	665.5	4.473	4.422	34.237	27.135	30.223	27.129	99.0	12.743	90.8	1478.8	5324.9	1.5
680.0	675.5	4.465	4.413	34.246	27.143	30.277	27.138	98.3	12.841	90.7	1478.9	5451.7	9.4
690.0	685.4	4.439	4.386	34.257	27.155	30.335	27.149	97.2	12.939	90.7	1479.0	5579.4	14.4
700.0	695.3	4.402	4.348	34.269	27.168	30.394	27.162	96.1	13.035	90.7	1479.0	5708.1	12.7
710.0	705.2	4.377	4.323	34.276	27.177	30.449	27.171	95.3	13.131	90.7	1479.1	5837.7	8.0
720.0	715.1	4.360	4.306	34.283	27.184	30.502	27.178	94.7	13.226	90.7	1479.2	5968.2	11.5
730.0	725.0	4.326	4.271	34.293	27.195	30.560	27.189	93.7	13.321	90.7	1479.2	6099.7	7.4
740.0	734.9	4.301	4.245	34.299	27.203	30.615	27.198	93.0	13.414	90.6	1479.3	6232.1	6.8
750.0	744.8	4.280	4.223	34.307	27.212	30.669	27.206	92.2	13.507	90.6	1479.4	6365.4	15.6
760.0	754.7	4.249	4.192	34.317	27.223	30.726	27.217	91.2	13.599	90.7	1479.4	6499.6	6.5
770.0	764.6	4.228	4.170	34.324	27.231	30.780	27.225	90.6	13.689	90.7	1479.5	6634.7	3.9
780.0	774.5	4.208	4.149	34.332	27.239	30.834	27.233	89.9	13.780	90.6	1479.6	6770.7	8.6
790.0	784.4	4.174	4.115	34.342	27.250	30.892	27.244	88.8	13.869	90.6	1479.6	6907.6	13.9
800.0	794.3	4.155	4.095	34.347	27.257	30.945	27.251	88.3	13.958	90.6	1479.7	7045.4	10.1
810.0	804.2	4.129	4.069	34.354	27.265	31.000	27.259	87.5	14.045	90.6	1479.8	7184.0	1.0
820.0	814.1	4.108	4.047	34.361	27.273	31.053	27.267	86.9	14.133	90.7	1479.9	7323.5	12.4
830.0	824.0	4.084	4.022	34.367	27.280	31.106	27.273	86.3	14.219	90.7	1479.9	7463.8	10.7
840.0	833.9	4.061	3.998	34.373	27.287	31.160	27.281	85.6	14.305	90.6	1480.0	7605.0	6.9
850.0	843.8	4.004	3.940	34.372	27.293	31.212	27.286	85.1	14.391	90.6	1479.9	7747.0	1.9
860.0	853.7	3.989	3.925	34.376	27.298	31.263	27.291	84.7	14.475	90.6	1480.0	7889.9	8.6
870.0	863.6	3.970	3.906	34.386	27.307	31.319	27.301	83.8	14.560	90.6	1480.1	8033.6	10.7
880.0	873.5	3.952	3.886	34.392	27.314	31.372	27.308	83.2	14.643	90.6	1480.2	8178.1	13.9
890.0	883.4	3.906	3.840	34.399	27.325	31.429	27.318	82.3	14.726	90.6	1480.2	8323.4	19.2
900.0	893.3	3.889	3.822	34.403	27.329	31.480	27.323	81.9	14.808	90.6	1480.3	8469.6	8.3
910.0	903.2	3.877	3.810	34.409	27.335	31.532	27.329	81.4	14.890	90.6	1480.4	8616.5	7.8
920.0	913.1	3.853	3.786	34.416	27.343	31.586	27.336	80.7	14.971	90.7	1480.5	8764.2	8.4
930.0	923.0	3.817	3.748	34.420	27.351	31.640	27.344	80.0	15.051	90.6	1480.5	8912.8	6.6
940.0	932.9	3.802	3.733	34.424	27.355	31.690	27.348	79.7	15.131	90.6	1480.6	9062.1	7.8
950.0	942.8	3.770	3.700	34.430	27.363	31.744	27.356	78.9	15.210	90.6	1480.7	9212.1	9.8
960.0	952.7	3.756	3.685	34.431	27.366	31.793	27.359	78.7	15.289	90.6	1480.8	9363.0	4.6
970.0	962.5	3.740	3.668	34.436	27.372	31.845	27.365	78.2	15.368	90.5	1480.9	9514.6	5.2
980.0	972.4	3.711	3.639	34.441	27.378	31.898	27.371	77.6	15.445	90.6	1480.9	9667.0	7.8
990.0	982.3	3.679	3.606	34.447	27.387	31.953	27.379	76.8	15.523	90.6	1481.0	9820.2	4.9

Station 47 Latitude 32° 21.12'N Longitude 127° 29.94'W 27 Aug 1989 GMT 11:49 Bottom 4100 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.661	3.588	34.451	27.391	32.003	27.384	76.5	15.599	90.6	1481.1	9974.1	8.1
1020.0	1012.0	3.619	3.545	34.459	27.402	32.106	27.395	75.5	15.751	90.6	1481.2	10284.2	4.3
1040.0	1031.8	3.582	3.506	34.468	27.412	32.209	27.405	74.6	15.901	90.6	1481.4	10597.2	4.9
1060.0	1051.5	3.537	3.460	34.475	27.423	32.312	27.416	73.7	16.049	90.6	1481.6	10913.1	6.7
1080.0	1071.3	3.487	3.409	34.482	27.434	32.415	27.426	72.7	16.196	90.6	1481.7	11231.9	2.3
1100.0	1091.1	3.470	3.390	34.486	27.438	32.512	27.431	72.4	16.341	90.5	1482.0	11553.6	5.8
1120.0	1110.9	3.404	3.323	34.496	27.453	32.619	27.445	71.0	16.484	90.5	1482.0	11878.0	4.3
1140.0	1130.6	3.356	3.274	34.502	27.462	32.720	27.454	70.2	16.625	90.6	1482.2	12205.3	1.1
1160.0	1150.4	3.321	3.238	34.507	27.469	32.820	27.461	69.6	16.765	90.6	1482.3	12535.3	7.3
1180.0	1170.2	3.290	3.206	34.512	27.476	32.919	27.468	69.0	16.904	90.6	1482.6	12868.0	7.0
1200.0	1189.9	3.252	3.166	34.516	27.484	33.018	27.476	68.4	17.041	90.6	1482.7	13203.4	2.6
1220.0	1209.7	3.225	3.138	34.521	27.490	33.117	27.482	67.8	17.178	90.7	1483.0	13541.5	1.5
1240.0	1229.4	3.191	3.102	34.525	27.497	33.215	27.488	67.3	17.313	90.6	1483.1	13882.2	7.6
1260.0	1249.2	3.154	3.065	34.530	27.504	33.315	27.496	66.6	17.447	90.6	1483.3	14225.5	7.9
1280.0	1268.9	3.127	3.036	34.533	27.509	33.412	27.501	66.2	17.579	90.6	1483.5	14571.5	3.8
1300.0	1288.7	3.104	3.011	34.537	27.514	33.509	27.506	65.8	17.711	90.6	1483.8	14920.0	1.2
1320.0	1308.4	3.062	2.968	34.541	27.522	33.609	27.513	65.1	17.842	90.6	1483.9	15271.1	.6
1340.0	1328.2	3.040	2.945	34.545	27.527	33.706	27.518	64.7	17.972	90.4	1484.2	15624.7	3.0
1360.0	1347.9	3.003	2.906	34.549	27.533	33.804	27.524	64.1	18.101	90.6	1484.4	15980.9	3.6
1380.0	1367.7	2.972	2.875	34.550	27.537	33.900	27.529	63.7	18.229	90.5	1484.6	16339.5	1.3
1400.0	1387.4	2.940	2.841	34.553	27.543	33.997	27.534	63.3	18.356	90.5	1484.8	16700.6	3.0
1420.0	1407.2	2.903	2.803	34.556	27.549	34.095	27.539	62.8	18.482	90.5	1484.9	17064.2	3.6
1440.0	1426.9	2.864	2.763	34.561	27.556	34.195	27.547	62.0	18.607	90.5	1485.1	17430.2	2.8
1460.0	1446.6	2.827	2.724	34.564	27.562	34.293	27.553	61.5	18.730	90.5	1485.3	17798.7	1.6
1480.0	1466.4	2.805	2.701	34.567	27.566	34.389	27.557	61.2	18.853	90.5	1485.5	18169.5	3.4
1500.0	1486.1	2.763	2.657	34.568	27.571	34.486	27.562	60.7	18.975	90.5	1485.7	18542.7	4.6
1520.0	1505.8	2.727	2.621	34.571	27.576	34.583	27.567	60.2	19.096	90.5	1485.9	18918.3	5.2
1540.0	1525.6	2.708	2.600	34.572	27.579	34.678	27.570	60.0	19.216	90.5	1486.1	19296.2	.8
1560.0	1545.3	2.668	2.559	34.574	27.584	34.775	27.575	59.5	19.336	90.5	1486.3	19676.5	6.1
1580.0	1565.0	2.628	2.518	34.576	27.590	34.873	27.580	58.9	19.454	90.5	1486.4	20059.0	1.7
1600.0	1584.7	2.595	2.483	34.579	27.595	34.970	27.585	58.4	19.571	90.5	1486.6	20443.8	2.0
1620.0	1604.4	2.573	2.460	34.584	27.601	35.068	27.591	57.9	19.688	90.5	1486.9	20830.9	2.9
1640.0	1624.2	2.538	2.424	34.587	27.606	35.165	27.596	57.4	19.803	90.5	1487.1	21220.3	1.7
1660.0	1643.9	2.510	2.395	34.588	27.609	35.260	27.600	57.1	19.917	90.5	1487.3	21611.9	4.9
1680.0	1663.6	2.478	2.362	34.590	27.614	35.356	27.604	56.7	20.031	90.5	1487.5	22005.7	4.1
1700.0	1683.3	2.452	2.334	34.591	27.617	35.451	27.607	56.4	20.144	90.5	1487.7	22401.6	3.8
1720.0	1703.0	2.427	2.308	34.593	27.620	35.546	27.611	56.1	20.257	90.6	1487.9	22799.8	.0
1740.0	1722.7	2.389	2.269	34.597	27.627	35.645	27.617	55.4	20.368	90.5	1488.1	23200.2	1.2
1760.0	1742.4	2.378	2.256	34.599	27.630	35.739	27.620	55.2	20.479	90.5	1488.4	23602.6	3.5
1780.0	1762.2	2.352	2.229	34.601	27.634	35.834	27.624	54.9	20.589	90.5	1488.6	24007.3	2.1
1800.0	1781.8	2.336	2.211	34.603	27.637	35.928	27.626	54.6	20.699	90.5	1488.9	24414.0	3.9
1820.0	1801.6	2.317	2.191	34.605	27.640	36.022	27.629	54.4	20.808	90.5	1489.1	24822.9	3.0
1840.0	1821.3	2.286	2.158	34.608	27.645	36.119	27.634	53.9	20.916	90.5	1489.3	25233.9	3.0
1860.0	1840.9	2.253	2.125	34.611	27.650	36.216	27.639	53.3	21.023	90.5	1489.5	25646.9	2.1
1880.0	1860.7	2.229	2.099	34.613	27.654	36.311	27.643	53.0	21.129	90.5	1489.8	26062.0	1.0
1900.0	1880.3	2.195	2.064	34.616	27.659	36.409	27.648	52.5	21.235	90.5	1490.0	26479.2	3.9
1920.0	1900.0	2.171	2.039	34.618	27.663	36.504	27.652	52.1	21.339	90.5	1490.2	26898.4	-.2
1940.0	1919.7	2.154	2.020	34.619	27.665	36.597	27.654	51.9	21.443	90.5	1490.5	27319.6	3.7
1960.0	1939.4	2.140	2.005	34.621	27.668	36.691	27.657	51.7	21.547	90.5	1490.7	27742.8	.7
1980.0	1959.1	2.114	1.977	34.624	27.673	36.787	27.662	51.2	21.650	90.5	1491.0	28168.0	3.4
2000.0	1978.8	2.106	1.968	34.625	27.674	36.879	27.663	51.2	21.752	90.5	1491.3	28595.1	2.5
2050.0	2028.0	2.052	1.910	34.629	27.681	37.114	27.670	50.4	22.006	90.5	1491.9	29671.6	.2
2100.0	2077.2	2.019	1.873	34.632	27.687	37.347	27.676	49.9	22.257	90.5	1492.6	30760.3	.9
2150.0	2126.4	1.970	1.821	34.636	27.694	37.581	27.682	49.3	22.505	90.5	1493.2	31861.0	2.4
2200.0	2175.5	1.934	1.781	34.639	27.700	37.813	27.688	48.8	22.751	90.5	1493.9	32973.6	.9
2250.0	2224.7	1.903	1.746	34.642	27.705	38.044	27.693	48.4	22.993	90.5	1494.6	34097.9	2.1
2300.0	2273.8	1.874	1.713	34.646	27.710	38.276	27.698	47.9	23.234	90.5	1495.3	35233.9	-1.3
2350.0	2323.0	1.849	1.685	34.648	27.714	38.505	27.702	47.6	23.473	90.5	1496.0	36381.3	1.9
2400.0	2372.1	1.819	1.651	34.651	27.719	38.736	27.706	47.2	23.710	90.6	1496.8	37540.2	-.1
2450.0	2421.2	1.802	1.630	34.653	27.722	38.963	27.709	47.0	23.946	90.4	1497.5	38710.4	.8
2500.0	2470.3	1.774	1.598	34.655	27.726	39.192	27.713	46.7	24.180	90.5	1498.3	39891.9	1.8
2550.0	2519.4	1.753	1.572	34.657	27.729	39.420	27.716	46.4	24.413	90.5	1499.0	41084.6	1.2
2600.0	2568.4	1.734	1.549	34.659	27.733	39.648	27.719	46.2	24.645	90.4	1499.8	42288.4	.7
2650.0	2617.5	1.715	1.526	34.661	27.736	39.875	27.722	46.0	24.875	90.5	1500.5	43503.3	1.3
2700.0	2666.6	1.693	1.500	34.663	27.740	40.102	27.725	45.8	25.105	90.4	1501.3	44729.1	.5
2750.0	2715.6	1.673	1.476	34.665	27.743	40.329	27.728	45.5	25.333	90.4	1502.1	45965.9	.8
2800.0	2764.6	1.655	1.454	34.666	27.745	40.554	27.730	45.4	25.560	90.4	1502.8	47213.6	-.3
2850.0	2813.7	1.640	1.434	34.668	27.748	40.780	27.733	45.2	25.786	90.5	1503.6	48472.1	.9
2900.0	2862.7	1.630	1.419	34.669	27.751	41.005	27.735	45.0	26.011	90.5	1504.4	49741.4	1.5
2950.0	2911.7	1.616	1.401	34.671	27.753	41.230	27.737	44.9	26.236	90.5	1505.2	51021.4	1.3
3000.0	2960.7	1.606	1.387	34.672	27.755	41.454	27.739	44.8	26.461	90.5	1506.0	52312.1	1.3
3050.0	3009.6	1.594	1.370	34.673	27.757	41.678	27.740	44.8	26.684	90.5	1506.8	53613.5	.8
3100.0	3058.6	1.581	1.353	34.674	27.760	41.902	27.743	44.6	26.908	90.4	1507.6	54925.6	2.9
3150.0	3107.6	1.571	1.338	34.675	27.761	42.125	27.744	44.6	27.131	90.4	1508.4	56248.3	.3
3200.0	3156.5	1.556	1.318	34.677	27.764	42.349	27.747	44.3	27.353	90.4	1509.2	57581.6	.3
3250.0	3205.4	1.549	1.306	34.678	27.766	42.571	27.748	44.3	27.574	90.5	1510.0	58925.5	1.6
3300.0	3254.4	1.539	1.291	34.679	27.768	42.794	27.750	44.2	27.796	90.5	1510.8	60279.9	.1
3350.0	3303.3	1.533	1.281	34.681	27.770	43.016	27.751	44.2	28.017	90.4	1511.7	61644.8	2.2
3400.0	3352.2	1.520	1.264	34.683	27.772	43.239	27.754	44.0	28.237	90.5	1512.5	63020.1	.2
3450.0	3401.1	1.515	1.253	34.684	27.774	43.460	27.755	44.0	28.457	90.4	1513.3	64406.0	.3
3500.0	3449.9	1.509	1.242	34.685	27.776	43.681	27.757	44.0	28.677	90.4	1514.1	65802.3	-.9
3550.0	3498.8	1.505	1.233	34.685	27.777	43.901	27.757	44.0	28.897	90.4	1515.0	67209.0	-.5
3600.0	3547.6	1.504	1.227	34.686	27.778	44.121	27.758	44.1	29.118	90.4	1515.8	68626.2	1.0
3650.0	3596.5	1.503	1.221	34.686	27.778	44.340	27.758	44.2	29.338	90.4	1516.7	70053.8	-.4
3700.0	3645.3	1.499	1.212	34.688	27.780	44.559	27.760	44.2	29.559	90.4	1517.5	71491.9	.5
3750.0	3694.1	1.497	1.205	34.688	27.781	44.778	27.760	44.2	29.780	90.4	1518.4	72940.4	.3
3800.0	3743.0	1.496	1.198	34.689	27.782	44.997	27.761	44.2	30.001	90.4	1519.2	74399.5	-1.5
3850.0	3791.8	1.497	1.194	34.690	27.783	45.215	27.761	44.4	30.223	90.4	1520.1	75869.0	.1
3900.0	3840.6	1.499	1.191	34.690	27.783	45.432	27.761	44.5	30.445	90.4	1521.0	77349.0	-1.1
3950.0	3889.3	1.501	1.187	34.689	27.783	45.648	27.761	44.7	30.668	90.4	1521.8	78839.6	.7
4000.0	3938.1	1.503	1.184	34.690	27.784	45.866	27.762	44.8	30.892	90.4	1522.7	80340.7	-1.3
4050.0	3986.9	1.507	1.182	34.691	27.784	46.082	27.761	45.0	31.116	90.4	1523.6	81852.4	2.3
4100.0	4035.6	1.509	1.179	34.691	27.785	46.298	27.762	45.1	31.341	90.4	1524.4	83374.8	.9
4132.0	4066.8	1.511	1.177	34.691	27.785	46.436	27.762	45.2	31.486	90.3	1525.0	84354.6	.0

Station 48 Latitude 32° 05.59'N Longitude 127° 38.84'W 27 Aug 1989 GMT 16:17 Bottom 4300 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.297	19.297	33.493	23.795	23.795	23.795	409.6	.000	90.0	1518.4	.0	.0
10.0	10.0	19.293	19.291	33.492	23.796	23.840	23.796	409.8	.410	90.0	1518.6	2.0	-1.9
20.0	19.9	19.296	19.292	33.492	23.796	23.883	23.795	410.2	.820	90.0	1518.7	8.2	2.8
30.0	29.9	19.295	19.289	33.492	23.796	23.927	23.795	410.6	1.230	90.1	1518.9	18.4	-.6
40.0	39.9	19.451	19.444	33.578	23.823	23.996	23.821	408.4	1.640	89.9	1519.6	32.7	233.1
50.0	49.8	19.685	19.676	33.923	24.026	24.243	24.024	389.4	2.039	90.0	1520.8	51.1	237.0
60.0	59.8	18.616	18.605	33.983	24.345	24.605	24.342	359.4	2.414	89.9	1518.0	73.3	185.3
70.0	69.8	17.569	17.557	34.030	24.638	24.943	24.635	331.7	2.756	90.0	1515.2	99.0	145.9
80.0	79.7	17.290	17.277	34.103	24.761	25.111	24.758	320.2	3.082	90.1	1514.6	128.1	90.8
90.0	89.7	17.032	17.017	34.101	24.822	25.215	24.818	314.8	3.399	90.1	1514.0	160.4	21.7
100.0	99.7	16.632	16.616	34.063	24.886	25.324	24.882	308.9	3.713	90.2	1512.9	195.8	167.1
110.0	109.6	16.584	16.567	34.175	24.984	25.465	24.980	300.0	4.017	90.2	1513.1	234.3	146.1
120.0	119.6	16.079	16.060	34.189	25.111	25.637	25.107	288.1	4.312	90.3	1511.7	275.8	190.2
130.0	129.5	15.388	15.368	34.106	25.203	25.774	25.198	279.6	4.594	90.5	1509.6	320.1	41.3
140.0	139.5	14.571	14.550	34.011	25.307	25.925	25.303	269.7	4.867	90.6	1507.1	367.2	8.7
150.0	149.4	13.840	13.819	33.939	25.406	26.070	25.401	260.5	5.133	90.7	1504.8	416.9	117.2
160.0	159.4	12.947	12.926	33.855	25.521	26.232	25.517	249.5	5.387	90.7	1501.9	469.3	91.0
170.0	169.3	11.497	11.476	33.719	25.692	26.453	25.688	233.1	5.626	90.8	1496.9	524.1	30.1
180.0	179.3	10.564	10.542	33.654	25.809	26.618	25.805	221.9	5.855	90.9	1493.6	581.2	169.3
190.0	189.2	9.794	9.773	33.710	25.983	26.840	25.980	205.3	6.069	90.9	1491.1	640.5	116.1
200.0	199.1	9.454	9.432	33.774	26.089	26.992	26.085	195.4	6.273	90.9	1490.1	701.8	227.6
210.0	209.1	9.186	9.163	33.830	26.177	27.126	26.173	187.2	6.465	90.9	1489.3	765.1	96.4
220.0	219.0	9.056	9.032	33.898	26.250	27.246	26.247	180.3	6.650	90.8	1489.1	830.3	75.0
230.0	229.0	8.921	8.897	33.920	26.289	27.330	26.285	176.8	6.829	90.9	1488.8	897.3	64.2
240.0	238.9	8.781	8.755	33.939	26.326	27.413	26.322	173.4	7.003	90.9	1488.4	966.0	4.1
250.0	248.8	8.689	8.663	33.955	26.353	27.486	26.349	171.0	7.176	90.9	1488.2	1036.5	46.3
260.0	258.8	8.501	8.474	33.972	26.395	27.574	26.391	167.1	7.345	90.9	1487.7	1108.6	53.3
270.0	268.7	8.301	8.273	33.979	26.431	27.657	26.427	163.7	7.510	90.9	1487.1	1182.4	9.0
280.0	278.6	8.118	8.090	33.984	26.463	27.734	26.458	160.9	7.673	90.9	1486.6	1257.8	19.2
290.0	288.6	7.937	7.908	33.989	26.494	27.812	26.490	157.9	7.832	90.9	1486.1	1334.8	2.5
300.0	298.5	7.859	7.829	33.991	26.507	27.871	26.502	156.9	7.990	90.9	1485.9	1413.4	37.4
310.0	308.4	7.697	7.667	33.993	26.532	27.942	26.527	154.6	8.146	90.9	1485.5	1493.5	18.6
320.0	318.4	7.556	7.525	33.993	26.552	28.009	26.548	152.7	8.299	90.8	1485.1	1575.2	28.5
330.0	328.3	7.429	7.397	33.992	26.569	28.073	26.565	151.1	8.451	90.8	1484.8	1658.4	28.8
340.0	338.2	7.249	7.217	33.993	26.596	28.146	26.592	148.6	8.601	90.8	1484.2	1743.0	31.4
350.0	348.2	7.067	7.034	33.998	26.625	28.222	26.621	145.9	8.748	90.8	1483.7	1829.1	13.2
360.0	358.1	6.923	6.889	33.999	26.646	28.289	26.641	144.0	8.893	90.8	1483.3	1916.7	31.9
370.0	368.0	6.756	6.722	33.999	26.668	28.358	26.663	142.0	9.036	90.7	1482.8	2005.7	18.1
380.0	377.9	6.554	6.520	34.002	26.698	28.435	26.693	139.1	9.177	90.9	1482.2	2096.1	20.5
390.0	387.9	6.408	6.374	34.005	26.719	28.504	26.715	137.1	9.314	90.8	1481.8	2187.9	12.2
400.0	397.8	6.275	6.240	34.012	26.742	28.573	26.737	135.0	9.450	90.8	1481.4	2281.0	7.8
410.0	407.7	6.181	6.146	34.015	26.756	28.634	26.751	133.7	9.585	90.7	1481.2	2375.5	5.8
420.0	417.6	6.098	6.062	34.021	26.772	28.696	26.767	132.3	9.718	90.8	1481.0	2471.2	5.4
430.0	427.6	5.987	5.950	34.027	26.790	28.761	26.785	130.5	9.849	90.8	1480.7	2568.3	8.4
440.0	437.5	5.966	5.928	34.026	26.792	28.810	26.788	130.4	9.980	90.7	1480.8	2666.7	1.9
450.0	447.4	5.919	5.880	34.029	26.801	28.864	26.796	129.8	10.110	90.8	1480.8	2766.4	27.4
460.0	457.3	5.746	5.707	34.042	26.832	28.943	26.827	126.7	10.238	90.7	1480.3	2867.3	-4.0
470.0	467.3	5.692	5.653	34.045	26.841	28.998	26.836	125.9	10.364	90.7	1480.2	2969.5	8.6
480.0	477.2	5.584	5.544	34.050	26.859	29.063	26.854	124.3	10.490	90.7	1480.0	3073.0	18.3
490.0	487.1	5.500	5.459	34.058	26.875	29.125	26.870	122.8	10.613	90.8	1479.8	3177.6	13.3
500.0	497.0	5.412	5.371	34.069	26.894	29.192	26.889	121.0	10.735	90.7	1479.6	3283.5	.1
510.0	506.9	5.379	5.338	34.072	26.900	29.244	26.895	120.5	10.856	90.7	1479.7	3390.6	20.6
520.0	516.8	5.309	5.267	34.082	26.916	29.306	26.911	119.0	10.976	90.8	1479.5	3498.8	28.5
530.0	526.8	5.225	5.182	34.094	26.936	29.373	26.931	117.2	11.094	90.7	1479.4	3608.3	11.8
540.0	536.7	5.109	5.066	34.103	26.956	29.441	26.951	115.3	11.210	90.7	1479.1	3718.9	.1
550.0	546.6	4.999	4.955	34.118	26.981	29.512	26.976	112.9	11.324	90.7	1478.8	3830.6	10.9
560.0	556.5	4.982	4.937	34.120	26.985	29.562	26.980	112.6	11.437	90.7	1478.9	3943.4	20.3
570.0	566.4	4.908	4.863	34.134	27.004	29.629	27.000	110.8	11.548	90.7	1478.8	4057.4	9.4
580.0	576.3	4.859	4.813	34.141	27.015	29.686	27.010	109.8	11.658	90.7	1478.8	4172.4	-1.4
590.0	586.3	4.843	4.797	34.142	27.019	29.735	27.013	109.6	11.768	90.7	1478.9	4288.5	3.0
600.0	596.2	4.747	4.700	34.161	27.044	29.808	27.039	107.2	11.876	90.7	1478.6	4405.7	3.0
610.0	606.1	4.654	4.607	34.177	27.067	29.878	27.062	105.0	11.983	90.7	1478.5	4524.0	13.8
620.0	616.0	4.638	4.590	34.181	27.072	29.929	27.066	104.6	12.087	90.7	1478.6	4643.3	9.1
630.0	625.9	4.582	4.534	34.200	27.093	29.997	27.088	102.6	12.191	90.7	1478.5	4763.6	32.2
640.0	635.8	4.571	4.522	34.203	27.097	30.046	27.091	102.4	12.294	90.7	1478.6	4884.9	1.2
650.0	645.7	4.567	4.517	34.204	27.098	30.094	27.093	102.4	12.396	90.8	1478.8	5007.3	4.4
660.0	655.6	4.536	4.485	34.216	27.112	30.153	27.106	101.2	12.498	90.8	1478.8	5130.6	13.5
670.0	665.5	4.506	4.454	34.227	27.123	30.211	27.118	100.1	12.599	90.8	1478.9	5255.0	7.7
680.0	675.5	4.477	4.425	34.238	27.136	30.270	27.130	99.0	12.698	90.7	1478.9	5380.3	16.7
690.0	685.4	4.462	4.409	34.244	27.142	30.321	27.136	98.5	12.797	90.7	1479.1	5506.6	6.5
700.0	695.3	4.443	4.390	34.251	27.149	30.375	27.144	97.9	12.895	90.7	1479.2	5633.8	3.9
710.0	705.2	4.417	4.363	34.262	27.161	30.433	27.155	96.9	12.993	90.7	1479.2	5762.1	16.8
720.0	715.1	4.382	4.327	34.274	27.174	30.493	27.169	95.6	13.089	90.7	1479.3	5891.3	9.2
730.0	725.0	4.358	4.303	34.283	27.184	30.548	27.178	94.8	13.184	90.6	1479.3	6021.4	15.3
740.0	734.9	4.331	4.275	34.291	27.193	30.604	27.187	94.0	13.279	90.7	1479.4	6152.4	6.8
750.0	744.8	4.299	4.242	34.300	27.204	30.662	27.199	92.9	13.372	90.7	1479.4	6284.4	12.1
760.0	754.7	4.269	4.212	34.308	27.213	30.717	27.208	92.1	13.465	90.6	1479.5	6417.3	15.0
770.0	764.6	4.244	4.186	34.316	27.222	30.772	27.216	91.4	13.557	90.7	1479.6	6551.1	1.6
780.0	774.5	4.222	4.163	34.321	27.229	30.825	27.223	90.8	13.648	90.6	1479.6	6685.8	3.0
790.0	784.4	4.200	4.140	34.328	27.237	30.879	27.231	90.1	13.738	90.6	1479.7	6821.4	5.4
800.0	794.3	4.168	4.107	34.338	27.249	30.936	27.242	89.1	13.828	90.7	1479.8	6957.9	10.1
810.0	804.2	4.135	4.074	34.349	27.260	30.995	27.254	88.0	13.916	90.7	1479.8	7095.2	5.1
820.0	814.1	4.122	4.060	34.351	27.264	31.044	27.257	87.8	14.004	90.6	1479.9	7233.4	7.1
830.0	824.0	4.077	4.015	34.363	27.278	31.105	27.272	86.4	14.091	90.6	1479.9	7372.5	12.7
840.0	833.9	4.042	3.979	34.370	27.287	31.160	27.281	85.6	14.177	90.7	1479.9	7512.4	15.6
850.0	843.8	4.024	3.961	34.373	27.291	31.210	27.285	85.3	14.263	90.6	1480.0	7653.2	8.6
860.0	853.7	4.006	3.942	34.376	27.296	31.261	27.289	84.9	14.348	90.7	1480.1	7794.8	3.3
870.0	863.6	3.956	3.891	34.387	27.310	31.321	27.303	83.6	14.432	90.7	1480.1	7937.2	15.6
880.0	873.5	3.949	3.884	34.388	27.311	31.369	27.305	83.5	14.516	90.6	1480.2	8080.5	.7
890.0	883.4	3.931	3.865	34.393	27.317	31.421	27.311	83.0	14.599	90.6	1480.3	8224.5	1.6
900.0	893.3	3.911	3.844	34.401	27.325	31.475	27.319	82.3	14.682	90.6	1480.4	8369.4	9.5
910.0	903.2	3.898	3.831	34.409	27.333	31.529	27.326	81.6	14.764	90.6	1480.5	8515.1	12.5
920.0	913.1	3.860	3.792	34.415	27.342	31.585	27.336	80.8	14.845	90.6	1480.5	8661.6	9.2
930.0	923.0	3.820	3.752	34.424	27.353	31.642	27.346	79.8	14.925	90.6	1480.6	8808.9	2.8
940.0	932.9	3.816	3.746	34.425	27.355	31.689	27.348	79.7	15.005	90.6	1480.7	8956.9	4.3
950.0	942.8	3.798	3.728	34.429	27.360	31.741	27.353	79.3	15.084	90.6	1480.8	9105.8	1.9
960.0	952.7	3.796	3.725	34.430	27.361	31.787	27.354	79.3	15.163	90.6	1481.0	9255.4	.2
970.0	962.5	3.734	3.663	34.445	27.379	31.852	27.372	77.5	15.242	90.7	1480.9	9405.8	6.0
980.0	972.4	3.735	3.663	34.446	27.380	31.899	27.373	77.5	15.319	90.6	1481.0	9556.9	-.1
990.0	982.3	3.736	3.663	34.447	27.380	31.945	27.373	77.6	15.397	90.6	1481.2	9708.9	1.1

Station 48 Latitude 32° 05.59'N Longitude 127° 38.84'W 27 Aug 1989 GMT 16:17 Bottom 4300 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.692	3.619	34.457	27.393	32.004	27.386	76.4	15.474	90.6	1481.2	9861.5	3.1
1020.0	1012.0	3.633	3.558	34.463	27.403	32.107	27.396	75.4	15.625	90.6	1481.3	10169.1	1.7
1040.0	1031.8	3.599	3.523	34.469	27.412	32.208	27.404	74.7	15.776	90.7	1481.5	10479.6	2.5
1060.0	1051.6	3.556	3.479	34.477	27.422	32.311	27.415	73.8	15.925	90.6	1481.7	10793.1	5.8
1080.0	1071.3	3.532	3.453	34.484	27.430	32.411	27.423	73.1	16.072	90.6	1481.9	11109.4	6.1
1100.0	1091.1	3.504	3.424	34.487	27.436	32.508	27.428	72.7	16.217	90.6	1482.1	11428.7	1.4
1120.0	1110.9	3.436	3.355	34.496	27.450	32.615	27.442	71.4	16.362	90.5	1482.2	11750.7	8.7
1140.0	1130.6	3.437	3.354	34.504	27.456	32.712	27.448	71.0	16.504	90.6	1482.5	12075.5	5.2
1160.0	1150.4	3.382	3.298	34.505	27.462	32.811	27.455	70.4	16.645	90.6	1482.6	12403.1	13.5
1180.0	1170.2	3.353	3.268	34.514	27.472	32.913	27.464	69.6	16.785	90.7	1482.8	12733.5	3.8
1200.0	1189.9	3.317	3.231	34.519	27.480	33.013	27.472	68.9	16.923	90.6	1483.0	13066.6	5.3
1220.0	1209.7	3.290	3.202	34.525	27.487	33.112	27.479	68.3	17.060	90.5	1483.2	13402.3	5.6
1240.0	1229.4	3.239	3.150	34.527	27.494	33.211	27.485	67.7	17.196	90.6	1483.4	13740.7	2.7
1260.0	1249.2	3.194	3.104	34.529	27.500	33.310	27.492	67.1	17.331	90.6	1483.5	14081.8	.9
1280.0	1269.0	3.168	3.076	34.534	27.506	33.408	27.498	66.6	17.465	90.6	1483.7	14425.5	8.2
1300.0	1288.7	3.125	3.033	34.535	27.511	33.505	27.503	66.1	17.597	90.5	1483.9	14771.8	.9
1320.0	1308.5	3.087	2.993	34.539	27.518	33.604	27.510	65.5	17.729	90.6	1484.0	15120.6	5.3
1340.0	1328.2	3.053	2.957	34.543	27.524	33.702	27.515	65.0	17.860	90.6	1484.2	15472.0	2.7
1360.0	1348.0	3.025	2.928	34.545	27.528	33.799	27.520	64.6	17.989	90.6	1484.4	15826.0	5.4
1380.0	1367.7	2.985	2.888	34.550	27.537	33.899	27.528	63.9	18.118	90.5	1484.6	16182.4	4.5
1400.0	1387.4	2.950	2.850	34.553	27.542	33.996	27.533	63.4	18.245	90.6	1484.8	16541.4	.7
1420.0	1407.2	2.922	2.821	34.555	27.546	34.092	27.537	63.1	18.372	90.6	1485.0	16902.8	1.6
1440.0	1426.9	2.884	2.782	34.557	27.551	34.189	27.542	62.6	18.497	90.6	1485.2	17266.7	3.4
1460.0	1446.7	2.854	2.751	34.559	27.556	34.286	27.547	62.2	18.622	90.6	1485.4	17633.0	3.1
1480.0	1466.4	2.831	2.726	34.563	27.561	34.383	27.552	61.7	18.746	90.5	1485.6	18001.7	4.0
1500.0	1486.1	2.806	2.701	34.565	27.565	34.478	27.556	61.4	18.869	90.6	1485.9	18372.8	3.1
1520.0	1505.8	2.776	2.669	34.568	27.570	34.576	27.561	60.9	18.992	90.5	1486.1	18746.3	.5
1540.0	1525.6	2.738	2.629	34.573	27.577	34.674	27.567	60.3	19.113	90.6	1486.2	19122.2	2.8
1560.0	1545.3	2.710	2.600	34.575	27.581	34.771	27.572	59.9	19.233	90.6	1486.5	19500.4	4.9
1580.0	1565.0	2.669	2.559	34.578	27.587	34.869	27.578	59.3	19.352	90.5	1486.6	19881.0	.5
1600.0	1584.8	2.638	2.526	34.581	27.592	34.966	27.583	58.9	19.470	90.5	1486.8	20263.8	-.1
1620.0	1604.5	2.615	2.502	34.582	27.596	35.060	27.586	58.6	19.588	90.5	1487.1	20649.0	1.1
1640.0	1624.2	2.592	2.477	34.584	27.599	35.156	27.590	58.3	19.705	90.5	1487.3	21036.4	5.5
1660.0	1643.9	2.562	2.445	34.587	27.605	35.253	27.595	57.8	19.820	90.5	1487.5	21426.0	1.7
1680.0	1663.6	2.526	2.409	34.589	27.609	35.349	27.599	57.4	19.936	90.5	1487.7	21817.9	5.8
1700.0	1683.3	2.484	2.366	34.593	27.616	35.448	27.606	56.7	20.050	90.5	1487.8	22212.1	4.7
1720.0	1703.1	2.449	2.329	34.596	27.621	35.546	27.611	56.1	20.163	90.5	1488.0	22608.4	3.8
1740.0	1722.8	2.425	2.305	34.598	27.625	35.641	27.615	55.8	20.274	90.5	1488.3	23006.9	2.7
1760.0	1742.5	2.390	2.267	34.600	27.630	35.738	27.620	55.3	20.385	90.7	1488.4	23407.5	2.7
1780.0	1762.2	2.372	2.248	34.602	27.633	35.832	27.623	55.0	20.496	90.5	1488.7	23810.3	.3
1800.0	1781.9	2.335	2.210	34.605	27.638	35.930	27.628	54.5	20.605	90.4	1488.9	24215.3	3.3
1820.0	1801.6	2.309	2.183	34.607	27.642	36.025	27.632	54.1	20.714	90.5	1489.1	24622.3	2.1
1840.0	1821.3	2.281	2.154	34.610	27.647	36.121	27.636	53.7	20.822	90.5	1489.3	25031.4	4.5
1860.0	1841.0	2.246	2.118	34.612	27.651	36.218	27.641	53.2	20.929	90.5	1489.5	25442.6	3.3
1880.0	1860.7	2.222	2.092	34.613	27.655	36.313	27.644	52.8	21.035	90.5	1489.7	25855.9	2.7
1900.0	1880.4	2.201	2.069	34.615	27.658	36.407	27.647	52.6	21.140	90.6	1490.0	26271.2	1.9
1920.0	1900.1	2.178	2.045	34.617	27.662	36.503	27.651	52.2	21.245	90.5	1490.2	26688.5	3.4
1940.0	1919.8	2.148	2.014	34.620	27.666	36.598	27.655	51.8	21.349	90.5	1490.4	27107.8	2.2
1960.0	1939.4	2.133	1.998	34.623	27.670	36.693	27.659	51.5	21.452	90.5	1490.7	27529.2	2.2
1980.0	1959.1	2.120	1.983	34.624	27.672	36.786	27.661	51.3	21.555	90.5	1491.0	27952.5	1.6
2000.0	1978.8	2.105	1.967	34.626	27.674	36.879	27.663	51.1	21.657	90.5	1491.3	28377.8	.8
2050.0	2028.0	2.061	1.919	34.630	27.681	37.114	27.670	50.5	21.911	90.5	1491.9	29449.7	-.7
2100.0	2077.2	2.022	1.876	34.632	27.687	37.346	27.675	50.0	22.162	90.6	1492.6	30533.7	.6
2150.0	2126.4	1.985	1.836	34.636	27.693	37.579	27.681	49.4	22.411	90.5	1493.3	31629.8	1.8
2200.0	2175.6	1.955	1.802	34.639	27.698	37.811	27.686	49.0	22.657	90.5	1494.0	32737.7	2.1
2250.0	2224.7	1.922	1.765	34.643	27.704	38.042	27.692	48.6	22.901	90.5	1494.7	33857.5	1.6
2300.0	2273.9	1.892	1.731	34.645	27.708	38.273	27.696	48.2	23.142	90.5	1495.4	34988.9	.1
2350.0	2323.0	1.866	1.701	34.648	27.713	38.503	27.700	47.8	23.383	90.6	1496.1	36131.9	.8
2400.0	2372.1	1.838	1.669	34.650	27.717	38.732	27.704	47.5	23.621	90.5	1496.8	37286.4	.5
2450.0	2421.2	1.811	1.638	34.653	27.722	38.962	27.709	47.1	23.857	90.5	1497.6	38452.3	1.1
2500.0	2470.3	1.787	1.610	34.656	27.726	39.191	27.712	46.8	24.092	90.5	1498.3	39629.4	.0
2550.0	2519.4	1.770	1.589	34.657	27.729	39.418	27.715	46.7	24.326	90.5	1499.1	40817.8	2.1
2600.0	2568.5	1.739	1.554	34.660	27.733	39.648	27.720	46.2	24.558	90.5	1499.8	42017.4	1.3
2650.0	2617.6	1.721	1.532	34.661	27.736	39.874	27.722	46.1	24.789	90.5	1500.6	43228.0	1.0
2700.0	2666.6	1.696	1.503	34.663	27.739	40.102	27.725	45.8	25.018	90.4	1501.3	44449.7	.5
2750.0	2715.7	1.673	1.476	34.664	27.742	40.328	27.728	45.6	25.246	90.5	1502.1	45682.3	1.1
2800.0	2764.7	1.657	1.456	34.666	27.745	40.554	27.730	45.4	25.473	90.4	1502.8	46925.7	.0
2850.0	2813.7	1.645	1.439	34.667	27.748	40.780	27.733	45.2	25.700	90.5	1503.6	48180.1	1.2
2900.0	2862.7	1.627	1.417	34.669	27.750	41.005	27.735	45.1	25.926	90.5	1504.4	49445.2	.4
2950.0	2911.7	1.619	1.404	34.670	27.752	41.229	27.736	45.0	26.151	90.5	1505.2	50721.0	.1
3000.0	2960.7	1.607	1.388	34.671	27.754	41.453	27.739	44.9	26.376	90.5	1506.0	52007.7	.4
3050.0	3009.7	1.596	1.372	34.673	27.757	41.677	27.740	44.8	26.600	90.5	1506.8	53305.0	1.1
3100.0	3058.7	1.585	1.357	34.674	27.759	41.901	27.742	44.7	26.824	90.5	1507.6	54613.0	-.9
3150.0	3107.6	1.575	1.342	34.675	27.761	42.125	27.744	44.6	27.047	90.4	1508.4	55931.6	1.2
3200.0	3156.6	1.567	1.329	34.676	27.762	42.347	27.745	44.6	27.270	90.5	1509.2	57260.8	-.3
3250.0	3205.5	1.559	1.316	34.677	27.764	42.569	27.747	44.5	27.493	90.5	1510.1	58600.7	2.4
3300.0	3254.4	1.548	1.300	34.679	27.767	42.792	27.749	44.4	27.715	90.4	1510.9	59951.2	1.3
3350.0	3303.3	1.543	1.290	34.680	27.768	43.014	27.750	44.4	27.937	90.4	1511.7	61312.2	.5
3400.0	3352.2	1.532	1.275	34.681	27.771	43.236	27.752	44.3	28.159	90.4	1512.5	62683.7	.8
3450.0	3401.1	1.526	1.264	34.682	27.772	43.457	27.753	44.2	28.380	90.4	1513.3	64065.8	-.3
3500.0	3450.0	1.518	1.251	34.683	27.774	43.678	27.755	44.2	28.601	90.4	1514.2	65458.4	1.2
3550.0	3498.9	1.513	1.241	34.685	27.775	43.899	27.756	44.2	28.822	90.4	1515.0	66861.4	.4
3600.0	3547.7	1.508	1.231	34.685	27.777	44.119	27.757	44.2	29.043	90.5	1515.8	68275.0	-1.1
3650.0	3596.6	1.505	1.223	34.686	27.778	44.339	27.758	44.2	29.264	90.4	1516.7	69699.0	1.3
3700.0	3645.4	1.504	1.217	34.686	27.778	44.557	27.758	44.3	29.485	90.4	1517.5	71133.5	-.7
3750.0	3694.2	1.501	1.209	34.688	27.780	44.777	27.759	44.3	29.706	90.4	1518.4	72578.5	.8
3800.0	3743.0	1.500	1.202	34.689	27.782	44.996	27.761	44.3	29.928	90.4	1519.2	74034.0	.3
3850.0	3791.8	1.499	1.196	34.689	27.782	45.214	27.761	44.4	30.150	90.4	1520.1	75500.0	1.5
3900.0	3840.6	1.500	1.192	34.689	27.783	45.431	27.761	44.6	30.373	90.4	1521.0	76976.5	.7
3950.0	3889.4	1.503	1.189	34.689	27.783	45.648	27.761	44.8	30.596	90.4	1521.8	78463.6	1.0
4000.0	3938.2	1.505	1.186	34.690	27.784	45.865	27.761	44.9	30.820	90.4	1522.7	79961.3	.8
4050.0	3986.9	1.509	1.184	34.690	27.784	46.081	27.761	45.1	31.045	90.4	1523.6	81469.5	-.3
4100.0	4035.7	1.512	1.181	34.691	27.785	46.298	27.762	45.1	31.270	90.5	1524.5	82988.4	-.3
4150.0	4084.4	1.516	1.180	34.691	27.785	46.513	27.761	45.4	31.497	90.4	1525.3	84518.0	-1.1
4200.0	4133.2	1.520	1.178	34.691	27.785	46.728	27.761	45.6	31.724	90.4	1526.2	86058.3	.1
4250.0	4181.9	1.523	1.176	34.691	27.785	46.944	27.761	45.8	31.952	90.4	1527.1	87609.4	.4
4300.0	4230.6	1.526	1.173	34.692	27.786	47.159	27.761	45.9	32.181	90.4	1528.0	89171.3	-1.3
4328.0	4257.9	1.529	1.172	34.692	27.786	47.279	27.761	46.0	32.310	90.3	1528.5	90050.6	.0

Station 49 Latitude 31° 51.97'N Longitude 127° 47.40'W 27 Aug 1989 GMT 20:11 Bottom 4350 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.561	19.561	33.636	23.837	23.837	23.837	405.6	.000	90.2	1519.3	.0	.0
10.0	10.0	19.524	19.522	33.633	23.845	23.888	23.844	405.2	.405	90.1	1519.4	2.0	1.0
20.0	19.9	19.528	19.524	33.636	23.846	23.933	23.845	405.4	.811	90.2	1519.5	8.1	-.3
30.0	29.9	19.553	19.548	33.649	23.850	23.980	23.849	405.4	1.216	90.1	1519.8	18.2	36.9
40.0	39.9	19.694	19.687	33.795	23.926	24.099	23.924	398.6	1.620	90.2	1520.5	32.3	165.2
50.0	49.8	19.728	19.719	33.992	24.067	24.284	24.065	385.5	2.013	90.1	1521.0	50.5	220.6
60.0	59.8	18.343	18.332	34.021	24.441	24.702	24.439	350.1	2.379	90.2	1517.3	72.4	116.1
70.0	69.8	17.377	17.365	33.981	24.646	24.952	24.644	330.8	2.723	90.3	1514.6	97.8	272.6
80.0	79.7	16.975	16.962	33.940	24.710	25.060	24.707	325.0	3.051	90.3	1513.5	126.6	130.6
90.0	89.7	16.801	16.787	34.064	24.847	25.241	24.844	312.4	3.369	90.3	1513.3	158.5	99.5
100.0	99.7	16.642	16.625	34.079	24.896	25.334	24.893	308.0	3.680	90.4	1513.0	193.6	141.7
110.0	109.6	16.315	16.297	34.100	24.988	25.470	24.984	299.5	3.982	90.3	1512.2	231.8	22.2
120.0	119.6	16.169	16.150	34.093	25.017	25.543	25.013	297.1	4.280	90.4	1511.9	272.9	55.8
130.0	129.5	15.338	15.318	34.089	25.200	25.772	25.196	279.8	4.569	90.6	1509.5	317.0	138.8
140.0	139.5	14.921	14.900	34.060	25.270	25.887	25.265	273.4	4.845	90.8	1508.3	363.8	31.0
150.0	149.4	14.117	14.096	34.016	25.407	26.071	25.403	260.4	5.114	90.9	1505.8	413.4	67.8
160.0	159.4	13.955	13.932	34.003	25.431	26.139	25.427	258.4	5.373	90.9	1505.4	465.5	20.6
170.0	169.3	12.890	12.867	33.904	25.571	26.327	25.566	245.1	5.627	91.0	1501.9	520.3	77.2
180.0	179.3	12.395	12.371	33.863	25.635	26.437	25.631	239.0	5.870	90.9	1500.3	577.5	285.9
190.0	189.2	11.281	11.257	33.799	25.794	26.645	25.790	223.8	6.100	91.0	1496.5	637.0	143.4
200.0	199.2	10.613	10.589	33.793	25.909	26.807	25.905	212.9	6.318	91.1	1494.3	698.7	138.3
210.0	209.1	10.164	10.140	33.818	26.005	26.951	26.001	203.8	6.525	91.0	1492.9	762.6	55.0
220.0	219.0	9.885	9.860	33.845	26.074	27.065	26.070	197.4	6.724	91.0	1492.1	828.4	22.2
230.0	229.0	9.636	9.610	33.876	26.140	27.177	26.136	191.3	6.918	91.1	1491.4	896.2	6.3
240.0	238.9	9.359	9.333	33.928	26.225	27.309	26.221	183.2	7.105	91.0	1490.6	965.9	102.6
250.0	248.9	9.152	9.125	33.959	26.284	27.414	26.279	177.8	7.284	91.0	1490.0	1037.4	4.8
260.0	258.8	8.812	8.785	33.990	26.361	27.538	26.357	170.4	7.460	91.0	1488.9	1110.7	118.1
270.0	268.7	8.697	8.668	33.991	26.380	27.603	26.376	168.8	7.630	91.0	1488.7	1185.7	25.2
280.0	278.7	8.618	8.589	33.993	26.395	27.663	26.390	167.6	7.798	91.0	1488.5	1262.3	1.8
290.0	288.6	8.446	8.415	34.004	26.430	27.744	26.425	164.4	7.965	91.0	1488.0	1340.6	72.6
300.0	298.5	8.174	8.144	34.009	26.475	27.836	26.470	160.1	8.126	91.0	1487.2	1420.5	12.8
310.0	308.5	8.072	8.041	34.005	26.487	27.895	26.482	159.1	8.286	90.9	1486.9	1502.0	31.0
320.0	318.4	7.933	7.901	34.004	26.507	27.961	26.502	157.3	8.443	91.0	1486.6	1585.1	1.7
330.0	328.3	7.914	7.881	34.002	26.508	28.007	26.503	157.3	8.601	90.8	1486.7	1669.7	4.3
340.0	338.3	7.712	7.679	34.004	26.539	28.085	26.534	154.4	8.757	90.8	1486.1	1755.9	52.6
350.0	348.2	7.403	7.369	34.005	26.583	28.178	26.579	150.1	8.908	90.8	1485.0	1843.6	6.3
360.0	358.1	7.336	7.301	34.002	26.591	28.231	26.586	149.5	9.058	90.7	1484.9	1932.8	10.7
370.0	368.0	7.099	7.064	34.003	26.625	28.312	26.620	146.3	9.206	90.7	1484.2	2023.5	33.7
380.0	378.0	6.905	6.870	34.001	26.650	28.385	26.645	143.9	9.351	90.6	1483.6	2115.6	5.6
390.0	387.9	6.864	6.828	34.000	26.655	28.435	26.650	143.6	9.494	90.6	1483.6	2209.1	5.6
400.0	397.8	6.502	6.466	34.010	26.711	28.540	26.706	138.1	9.635	90.6	1482.3	2304.1	9.0
410.0	407.7	6.471	6.434	34.009	26.714	28.589	26.709	137.9	9.773	90.6	1482.3	2400.4	3.2
420.0	417.7	6.429	6.392	34.009	26.719	28.640	26.714	137.5	9.911	90.6	1482.3	2498.0	12.8
430.0	427.6	6.350	6.311	34.012	26.732	28.700	26.727	136.4	10.048	90.6	1482.2	2597.1	54.4
440.0	437.5	6.175	6.137	34.018	26.760	28.774	26.754	133.8	10.183	90.5	1481.7	2697.5	21.3
450.0	447.4	6.070	6.031	34.023	26.777	28.839	26.772	132.1	10.316	90.5	1481.4	2799.2	15.1
460.0	457.4	5.982	5.942	34.029	26.792	28.901	26.788	130.7	10.447	90.6	1481.2	2902.2	5.5
470.0	467.3	5.901	5.860	34.039	26.811	28.966	26.806	129.0	10.577	90.5	1481.1	3006.5	-.1
480.0	477.2	5.896	5.855	34.039	26.812	29.012	26.807	129.1	10.706	90.6	1481.2	3112.1	-.1
490.0	487.1	5.813	5.772	34.051	26.831	29.078	26.826	127.3	10.834	90.7	1481.1	3218.9	4.9
500.0	497.0	5.670	5.628	34.068	26.862	29.157	26.857	124.3	10.961	90.6	1480.7	3327.0	64.6
510.0	507.0	5.615	5.572	34.099	26.894	29.235	26.889	121.4	11.084	90.6	1480.6	3436.3	16.8
520.0	516.9	5.592	5.548	34.103	26.900	29.286	26.895	121.0	11.205	90.7	1480.7	3546.9	11.9
530.0	526.8	5.563	5.518	34.125	26.921	29.353	26.915	119.1	11.325	90.6	1480.8	3658.6	31.2
540.0	536.7	5.354	5.310	34.130	26.950	29.431	26.944	116.2	11.442	90.6	1480.1	3771.5	23.6
550.0	546.6	5.339	5.294	34.144	26.962	29.489	26.957	115.1	11.557	90.6	1480.2	3885.5	17.4
560.0	556.5	5.185	5.139	34.146	26.982	29.557	26.977	113.1	11.671	90.7	1479.8	4000.7	15.9
570.0	566.5	5.072	5.026	34.138	26.989	29.611	26.984	112.5	11.784	90.7	1479.5	4116.9	2.4
580.0	576.4	5.099	5.052	34.153	26.998	29.666	26.993	111.8	11.896	90.7	1479.8	4234.3	8.9
590.0	586.3	5.043	4.996	34.165	27.014	29.728	27.009	110.3	12.007	90.7	1479.7	4352.8	13.9
600.0	596.2	4.856	4.809	34.161	27.032	29.794	27.027	108.5	12.117	90.7	1479.1	4472.4	3.6
610.0	606.1	4.867	4.819	34.181	27.047	29.854	27.041	107.2	12.224	90.7	1479.3	4593.0	13.5
620.0	616.0	4.734	4.686	34.175	27.056	29.912	27.051	106.2	12.331	90.7	1478.9	4714.7	10.3
630.0	625.9	4.686	4.637	34.186	27.071	29.973	27.065	104.9	12.437	90.9	1478.9	4837.5	17.9
640.0	635.8	4.681	4.631	34.202	27.085	30.032	27.079	103.7	12.541	90.7	1479.1	4961.3	13.8
650.0	645.8	4.629	4.579	34.210	27.096	30.090	27.091	102.7	12.644	90.7	1479.0	5086.0	8.8
660.0	655.7	4.606	4.555	34.218	27.105	30.145	27.100	101.9	12.746	90.6	1479.1	5211.9	11.2
670.0	665.6	4.564	4.512	34.233	27.122	30.208	27.116	100.4	12.848	90.7	1479.1	5338.7	16.8
680.0	675.5	4.526	4.473	34.243	27.134	30.267	27.128	99.2	12.947	90.7	1479.2	5466.5	10.0
690.0	685.4	4.510	4.457	34.247	27.139	30.318	27.133	98.8	13.047	90.7	1479.3	5595.2	7.7
700.0	695.3	4.483	4.429	34.256	27.149	30.374	27.143	98.0	13.145	90.7	1479.3	5725.0	15.9
710.0	705.2	4.470	4.415	34.261	27.154	30.425	27.148	97.6	13.243	90.7	1479.4	5855.7	13.8
720.0	715.1	4.461	4.406	34.277	27.168	30.485	27.162	96.4	13.340	90.6	1479.6	5987.3	-3.7
730.0	725.0	4.570	4.513	34.309	27.182	30.542	27.176	95.4	13.436	90.6	1480.2	6120.0	19.5
740.0	734.9	4.516	4.459	34.318	27.195	30.602	27.188	94.2	13.530	90.7	1480.2	6253.5	9.5
750.0	744.8	4.491	4.433	34.320	27.200	30.653	27.194	93.8	13.625	90.6	1480.3	6388.0	22.4
760.0	754.7	4.332	4.274	34.315	27.212	30.714	27.206	92.4	13.717	90.6	1479.8	6523.4	4.5
770.0	764.6	4.279	4.220	34.314	27.218	30.766	27.212	91.9	13.810	90.6	1479.7	6659.7	7.7
780.0	774.5	4.259	4.200	34.322	27.226	30.821	27.220	91.1	13.901	90.7	1479.8	6796.9	10.1
790.0	784.4	4.258	4.198	34.333	27.235	30.875	27.228	90.5	13.992	90.7	1480.0	6935.0	8.6
800.0	794.3	4.198	4.137	34.336	27.243	30.931	27.237	89.6	14.082	90.6	1479.9	7074.0	8.6
810.0	804.3	4.199	4.138	34.351	27.255	30.988	27.249	88.6	14.171	90.7	1480.1	7213.9	12.1
820.0	814.2	4.164	4.102	34.359	27.266	31.045	27.260	87.6	14.259	90.6	1480.1	7354.6	11.8
830.0	824.0	4.102	4.040	34.363	27.275	31.101	27.269	86.7	14.347	90.7	1480.0	7496.2	7.4
840.0	834.0	4.097	4.034	34.372	27.283	31.155	27.277	86.1	14.433	90.7	1480.2	7638.7	7.2
850.0	843.8	4.120	4.056	34.383	27.290	31.206	27.283	85.6	14.519	90.7	1480.4	7782.0	5.1
860.0	853.7	4.117	4.052	34.389	27.295	31.258	27.288	85.2	14.604	90.6	1480.6	7926.1	3.7
870.0	863.6	4.061	3.995	34.393	27.304	31.313	27.297	84.4	14.689	90.6	1480.5	8071.1	8.1
880.0	873.5	4.023	3.957	34.397	27.311	31.367	27.304	83.7	14.773	90.6	1480.5	8216.9	12.7
890.0	883.4	3.987	3.920	34.406	27.322	31.424	27.315	82.7	14.856	90.6	1480.6	8363.5	8.9
900.0	893.3	3.958	3.891	34.408	27.327	31.475	27.320	82.3	14.939	90.6	1480.6	8510.9	14.5
910.0	903.2	3.922	3.854	34.416	27.337	31.532	27.330	81.4	15.021	90.6	1480.6	8659.2	10.7
920.0	913.1	3.886	3.818	34.422	27.345	31.586	27.338	80.6	15.102	90.6	1480.7	8808.2	10.1
930.0	923.0	3.859	3.790	34.429	27.354	31.642	27.347	79.8	15.182	90.6	1480.7	8958.0	10.1
940.0	932.9	3.848	3.778	34.433	27.358	31.691	27.351	79.5	15.262	90.6	1480.8	9108.6	6.9
950.0	942.8	3.815	3.744	34.440	27.367	31.747	27.360	78.7	15.341	90.6	1480.9	9260.0	7.5
960.0	952.7	3.778	3.707	34.444	27.374	31.801	27.367	78.0	15.419	90.6	1480.9	9412.2	13.9
970.0	962.6	3.764	3.693	34.450	27.380	31.852	27.373	77.5	15.497	90.6	1481.0	9565.1	3.1
980.0	972.5	3.740	3.668	34.459	27.389	31.908	27.382	76.7	15.574	90.6	1481.1	9718.8	4.3
990.0	982.4	3.707	3.635	34.458	27.392	31.957	27.385	76.4	15.651	90.6	1481.1	9873.2	5.7

Station 49 Latitude 31° 51.97'N Longitude 127° 47.40'W 27 Aug 1989 GMT 20:11 Bottom 4350 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.3	3.671	3.598	34.460	27.397	32.009	27.390	75.9	15.727	90.7	1481.1	10028.4	3.1
1020.0	1012.0	3.624	3.549	34.469	27.410	32.114	27.402	74.8	15.878	90.6	1481.3	10340.9	6.9
1040.0	1031.8	3.610	3.534	34.478	27.418	32.214	27.410	74.2	16.027	90.6	1481.6	10656.5	7.5
1060.0	1051.6	3.553	3.476	34.484	27.428	32.317	27.421	73.2	16.174	90.7	1481.7	10974.9	5.8
1080.0	1071.4	3.498	3.420	34.491	27.439	32.420	27.431	72.3	16.319	90.6	1481.8	11296.1	1.7
1100.0	1091.2	3.428	3.348	34.496	27.450	32.524	27.442	71.2	16.463	90.6	1481.8	11620.2	7.5
1120.0	1110.9	3.402	3.321	34.502	27.458	32.624	27.450	70.5	16.605	90.6	1482.0	11947.1	1.4
1140.0	1130.7	3.358	3.276	34.509	27.468	32.726	27.460	69.7	16.745	90.6	1482.2	12276.7	3.5
1160.0	1150.4	3.325	3.242	34.514	27.475	32.825	27.467	69.1	16.884	90.6	1482.4	12609.1	2.3
1180.0	1170.2	3.296	3.212	34.519	27.482	32.924	27.474	68.5	17.022	90.6	1482.6	12944.1	5.8
1200.0	1190.0	3.263	3.177	34.522	27.487	33.022	27.479	68.0	17.158	90.5	1482.8	13281.9	1.5
1220.0	1209.7	3.224	3.137	34.526	27.494	33.121	27.486	67.4	17.294	90.5	1483.0	13622.3	5.6
1240.0	1229.5	3.178	3.089	34.529	27.501	33.221	27.493	66.8	17.428	90.6	1483.1	13965.3	2.9
1260.0	1249.3	3.133	3.043	34.534	27.509	33.321	27.501	66.0	17.560	90.6	1483.2	14310.9	-1.4
1280.0	1269.0	3.086	2.995	34.538	27.517	33.421	27.508	65.3	17.692	90.6	1483.4	14659.1	5.0
1300.0	1288.8	3.055	2.963	34.541	27.522	33.519	27.514	64.9	17.822	90.6	1483.6	15009.8	-.8
1320.0	1308.5	3.036	2.943	34.543	27.525	33.613	27.517	64.7	17.951	90.5	1483.8	15363.1	3.3
1340.0	1328.3	2.989	2.894	34.548	27.534	33.714	27.525	63.9	18.080	90.6	1484.0	15718.9	5.0
1360.0	1348.0	2.946	2.850	34.552	27.541	33.813	27.532	63.2	18.207	90.6	1484.1	16077.1	.9
1380.0	1367.8	2.904	2.807	34.556	27.548	33.914	27.540	62.5	18.333	90.6	1484.3	16437.9	1.2
1400.0	1387.5	2.861	2.762	34.560	27.555	34.013	27.546	61.9	18.457	90.6	1484.4	16801.0	-.5
1420.0	1407.2	2.838	2.738	34.562	27.559	34.108	27.550	61.5	18.581	90.5	1484.7	17166.6	2.4
1440.0	1427.0	2.799	2.698	34.565	27.565	34.206	27.556	61.0	18.703	90.5	1484.8	17534.6	.7
1460.0	1446.7	2.774	2.671	34.567	27.569	34.302	27.560	60.7	18.825	90.5	1485.1	17904.9	6.6
1480.0	1466.4	2.731	2.628	34.570	27.575	34.401	27.566	60.1	18.946	90.5	1485.2	18277.6	5.1
1500.0	1486.2	2.691	2.586	34.573	27.581	34.499	27.572	59.5	19.065	90.5	1485.4	18652.6	3.1
1520.0	1505.9	2.664	2.558	34.574	27.584	34.594	27.575	59.2	19.184	90.5	1485.6	19030.0	1.9
1540.0	1525.6	2.638	2.530	34.577	27.589	34.691	27.580	58.8	19.302	90.5	1485.8	19409.6	1.3
1560.0	1545.4	2.609	2.501	34.580	27.594	34.787	27.584	58.4	19.419	90.5	1486.0	19791.6	3.7
1580.0	1565.1	2.573	2.463	34.583	27.599	34.885	27.590	57.8	19.535	90.6	1486.2	20175.7	5.2
1600.0	1584.8	2.542	2.431	34.584	27.604	34.981	27.594	57.4	19.650	90.5	1486.4	20562.2	2.5
1620.0	1604.5	2.508	2.396	34.587	27.609	35.078	27.599	56.9	19.765	90.5	1486.6	20950.8	3.7
1640.0	1624.3	2.470	2.357	34.590	27.614	35.176	27.605	56.4	19.878	90.5	1486.8	21341.7	4.0
1660.0	1644.0	2.443	2.328	34.592	27.618	35.272	27.609	56.0	19.990	90.6	1487.0	21734.7	2.0
1680.0	1663.7	2.425	2.309	34.593	27.620	35.365	27.611	55.8	20.102	90.5	1487.3	22129.9	4.1
1700.0	1683.4	2.389	2.272	34.597	27.627	35.464	27.617	55.2	20.213	90.5	1487.4	22527.3	2.0
1720.0	1703.1	2.370	2.251	34.599	27.630	35.559	27.621	54.9	20.324	90.5	1487.7	22926.8	.9
1740.0	1722.8	2.342	2.222	34.601	27.634	35.654	27.624	54.6	20.433	90.5	1487.9	23328.5	2.6
1760.0	1742.5	2.313	2.192	34.603	27.639	35.750	27.628	54.2	20.542	90.5	1488.1	23732.3	3.5
1780.0	1762.2	2.286	2.164	34.605	27.642	35.846	27.632	53.8	20.650	90.5	1488.3	24138.1	3.0
1800.0	1781.9	2.256	2.132	34.608	27.648	35.943	27.637	53.3	20.757	90.5	1488.5	24546.1	2.1
1820.0	1801.6	2.229	2.104	34.611	27.652	36.038	27.641	52.9	20.863	90.4	1488.8	24956.0	3.6
1840.0	1821.3	2.214	2.087	34.612	27.654	36.132	27.644	52.7	20.968	90.5	1489.0	25368.1	.9
1860.0	1841.0	2.188	2.060	34.614	27.657	36.227	27.647	52.3	21.073	90.5	1489.3	25782.2	.1
1880.0	1860.7	2.171	2.042	34.615	27.660	36.321	27.650	52.1	21.178	90.5	1489.5	26198.2	3.0
1900.0	1880.4	2.153	2.022	34.617	27.663	36.415	27.653	51.8	21.282	90.5	1489.8	26616.4	2.7
1920.0	1900.1	2.128	1.997	34.620	27.667	36.510	27.657	51.5	21.385	90.5	1490.0	27036.5	2.2
1940.0	1919.8	2.112	1.978	34.621	27.670	36.604	27.660	51.2	21.488	90.5	1490.3	27458.6	2.2
1960.0	1939.5	2.098	1.963	34.623	27.673	36.698	27.662	51.0	21.590	90.5	1490.6	27882.6	2.8
1980.0	1959.2	2.084	1.948	34.625	27.675	36.791	27.664	50.8	21.692	90.5	1490.8	28308.7	1.6
2000.0	1978.9	2.069	1.931	34.626	27.678	36.885	27.667	50.6	21.793	90.5	1491.1	28736.7	.8
2050.0	2028.1	2.035	1.894	34.630	27.684	37.117	27.673	50.1	22.045	90.4	1491.8	29815.2	3.2
2100.0	2077.3	1.997	1.852	34.634	27.690	37.351	27.678	49.6	22.294	90.4	1492.5	30905.8	-.6
2150.0	2126.4	1.959	1.810	34.637	27.696	37.583	27.684	49.1	22.541	90.5	1493.2	32008.3	2.4
2200.0	2175.6	1.934	1.781	34.640	27.701	37.814	27.689	48.7	22.785	90.5	1493.9	33122.6	.6
2250.0	2224.8	1.902	1.745	34.644	27.706	38.046	27.694	48.3	23.027	90.5	1494.6	34248.7	1.6
2300.0	2273.9	1.869	1.709	34.646	27.710	38.276	27.698	47.9	23.268	90.5	1495.3	35386.3	1.6
2350.0	2323.1	1.844	1.679	34.648	27.715	38.506	27.702	47.5	23.506	90.6	1496.0	36535.5	4.0
2400.0	2372.2	1.824	1.655	34.652	27.719	38.735	27.706	47.2	23.743	90.5	1496.8	37696.0	.5
2450.0	2421.3	1.801	1.629	34.653	27.722	38.964	27.709	47.0	23.979	90.5	1497.5	38867.9	1.7
2500.0	2470.4	1.779	1.603	34.655	27.726	39.192	27.713	46.7	24.213	90.5	1498.3	40051.0	1.8
2550.0	2519.5	1.754	1.574	34.657	27.730	39.420	27.716	46.4	24.446	90.5	1499.0	41245.3	.9
2600.0	2568.6	1.733	1.548	34.659	27.733	39.648	27.719	46.2	24.677	90.4	1499.8	42450.8	3.0
2650.0	2617.6	1.719	1.530	34.661	27.736	39.875	27.722	46.0	24.908	90.4	1500.6	43667.3	.1
2700.0	2666.7	1.697	1.504	34.662	27.739	40.101	27.725	45.8	25.137	90.4	1501.3	44894.8	-1.0
2750.0	2715.7	1.681	1.483	34.664	27.742	40.328	27.727	45.6	25.365	90.4	1502.1	46133.2	-1.2
2800.0	2764.8	1.664	1.462	34.666	27.745	40.554	27.730	45.4	25.593	90.4	1502.9	47382.6	-.3
2850.0	2813.8	1.651	1.445	34.668	27.748	40.779	27.732	45.3	25.820	90.3	1503.7	48642.8	.0
2900.0	2862.8	1.631	1.421	34.669	27.751	41.005	27.735	45.0	26.046	90.4	1504.4	49913.8	1.8
2950.0	2911.8	1.620	1.405	34.670	27.753	41.229	27.737	45.0	26.271	90.4	1505.2	51195.6	1.9
3000.0	2960.8	1.605	1.385	34.672	27.755	41.454	27.739	44.9	26.496	90.4	1506.0	52488.1	.4
3050.0	3009.8	1.589	1.365	34.674	27.758	41.679	27.742	44.6	26.719	90.4	1506.8	53791.3	-.1
3100.0	3058.7	1.578	1.349	34.675	27.760	41.903	27.744	44.5	26.942	90.7	1507.6	55105.1	1.1
3102.0	3060.7	1.577	1.348	34.675	27.760	41.912	27.744	44.5	26.951	90.4	1507.6	55157.8	.0

Station 50 Latitude 31° 38.69'N Longitude 127° 55.42'W 27 Aug 1989 GMT 23:22 Bottom 4475 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.529	19.529	33.490	23.734	23.734	23.734	415.4	.000	90.2	1519.1	.0	.0
10.0	10.0	19.370	19.369	33.491	23.775	23.819	23.775	411.8	.415	90.1	1518.8	2.1	96.6
20.0	19.9	19.347	19.344	33.488	23.780	23.867	23.779	411.7	.827	90.0	1518.9	8.3	4.5
30.0	29.9	19.338	19.333	33.490	23.783	23.914	23.782	411.7	1.238	90.0	1519.0	18.6	1.5
40.0	39.9	19.438	19.430	33.675	23.900	24.073	23.898	401.1	1.646	89.8	1519.7	33.0	92.8
50.0	49.9	19.473	19.464	33.850	24.025	24.242	24.023	389.5	2.042	89.9	1520.1	51.3	149.4
60.0	59.8	19.279	19.268	33.992	24.184	24.444	24.181	374.7	2.426	90.0	1519.9	73.6	241.0
70.0	69.8	18.886	18.874	34.204	24.446	24.750	24.443	350.1	2.788	89.8	1519.2	99.6	263.5
80.0	79.8	17.194	17.181	34.039	24.735	25.084	24.731	322.8	3.126	90.0	1514.3	129.1	277.6
90.0	89.7	17.028	17.013	34.034	24.771	25.164	24.768	319.6	3.446	90.1	1513.9	161.8	26.4
100.0	99.7	16.568	16.552	34.055	24.895	25.332	24.891	308.1	3.759	90.1	1512.7	197.7	11.9
110.0	109.6	16.400	16.383	34.085	24.957	25.439	24.953	302.5	4.066	90.1	1512.4	236.7	131.7
120.0	119.6	15.836	15.818	34.078	25.081	25.608	25.077	290.9	4.364	90.4	1510.8	278.6	118.4
130.0	129.5	14.978	14.959	33.985	25.199	25.772	25.195	279.8	4.649	90.5	1508.2	323.5	70.0
140.0	139.5	14.481	14.461	33.960	25.288	25.906	25.283	271.6	4.926	90.5	1506.7	371.2	120.5
150.0	149.4	14.315	14.293	34.019	25.368	26.031	25.363	264.2	5.194	90.7	1506.4	421.5	74.8
160.0	159.4	13.630	13.608	33.937	25.447	26.156	25.443	256.7	5.452	90.8	1504.2	474.5	6.5
170.0	169.3	12.677	12.654	33.854	25.574	26.330	25.569	244.7	5.704	90.8	1501.1	530.0	175.0
180.0	179.3	12.310	12.286	33.839	25.634	26.436	25.629	239.2	5.946	90.9	1500.0	587.9	138.9
190.0	189.2	11.590	11.566	33.864	25.789	26.638	25.785	224.4	6.177	90.8	1497.7	648.2	99.5
200.0	199.2	10.909	10.885	33.783	25.849	26.746	25.845	218.7	6.398	90.8	1495.4	710.8	135.4
210.0	209.1	10.360	10.336	33.812	25.968	26.912	25.964	207.4	6.609	90.9	1493.6	775.4	85.2
220.0	219.1	9.898	9.873	33.825	26.056	27.047	26.052	199.1	6.812	90.9	1492.1	842.1	51.5
230.0	229.0	9.672	9.646	33.862	26.123	27.160	26.118	192.9	7.008	90.8	1491.5	910.8	98.3
240.0	238.9	9.321	9.294	33.936	26.238	27.322	26.234	182.0	7.195	90.9	1490.4	981.4	61.6
250.0	248.9	9.108	9.081	33.956	26.288	27.419	26.284	177.3	7.374	90.8	1489.8	1053.8	25.6
260.0	258.8	8.908	8.880	33.975	26.335	27.511	26.331	173.0	7.549	90.8	1489.3	1127.9	16.5
270.0	268.7	8.637	8.609	33.976	26.378	27.601	26.374	169.0	7.720	90.8	1488.4	1203.8	15.8
280.0	278.7	8.462	8.433	33.994	26.419	27.689	26.415	165.2	7.888	90.7	1487.9	1281.3	75.5
290.0	288.6	8.235	8.205	34.002	26.460	27.776	26.455	161.4	8.051	90.6	1487.2	1360.5	36.0
300.0	298.5	8.066	8.035	34.005	26.487	27.850	26.483	158.8	8.211	90.5	1486.8	1441.3	21.9
310.0	308.5	7.918	7.887	34.006	26.510	27.919	26.505	156.8	8.369	90.3	1486.4	1523.6	26.0
320.0	318.4	7.791	7.760	34.004	26.527	27.982	26.522	155.3	8.525	89.9	1486.0	1607.5	29.2
330.0	328.3	7.649	7.617	34.004	26.548	28.049	26.543	153.3	8.679	89.4	1485.6	1692.9	26.5
340.0	338.3	7.402	7.369	33.999	26.579	28.128	26.574	150.4	8.831	88.8	1484.8	1779.9	31.4
350.0	348.2	7.106	7.073	34.001	26.622	28.219	26.618	146.2	8.979	88.0	1483.9	1868.3	38.1
360.0	358.1	6.966	6.932	34.001	26.642	28.285	26.637	144.5	9.125	87.0	1483.5	1958.2	20.8
370.0	368.0	6.717	6.683	34.005	26.678	28.368	26.673	141.0	9.267	86.1	1482.7	2049.5	22.5
380.0	378.0	6.556	6.522	34.006	26.700	28.438	26.696	138.9	9.407	85.2	1482.2	2142.2	5.8
390.0	387.9	6.497	6.463	34.007	26.709	28.493	26.704	138.2	9.546	84.3	1482.1	2236.2	14.3
400.0	397.8	6.379	6.343	34.010	26.727	28.558	26.722	136.5	9.683	83.4	1481.8	2331.7	37.4
410.0	407.8	6.261	6.225	34.014	26.745	28.622	26.740	134.8	9.819	82.5	1481.5	2428.4	8.7
420.0	417.7	6.138	6.101	34.021	26.767	28.691	26.762	132.8	9.953	81.7	1481.2	2526.5	13.1
430.0	427.6	6.045	6.008	34.029	26.785	28.756	26.780	131.1	10.085	81.1	1481.0	2626.0	16.0
440.0	437.5	5.978	5.940	34.034	26.797	28.814	26.792	130.0	10.215	80.5	1480.9	2726.7	9.8
450.0	447.5	5.945	5.906	34.051	26.815	28.878	26.810	128.4	10.344	80.2	1480.9	2828.7	8.7
460.0	457.4	5.893	5.854	34.055	26.824	28.933	26.819	127.6	10.472	79.8	1480.9	2932.0	1.9
470.0	467.3	5.886	5.846	34.074	26.840	28.995	26.835	126.3	10.599	79.5	1481.1	3036.5	5.7
480.0	477.2	5.878	5.837	34.085	26.851	29.051	26.845	125.4	10.726	79.4	1481.2	3142.3	20.1
490.0	487.1	5.786	5.745	34.097	26.871	29.118	26.866	123.5	10.850	79.3	1481.0	3249.3	20.4
500.0	497.0	5.726	5.683	34.114	26.892	29.185	26.887	121.6	10.973	79.4	1481.0	3357.5	15.7
510.0	507.0	5.604	5.561	34.108	26.902	29.243	26.897	120.6	11.094	79.6	1480.6	3467.0	7.5
520.0	516.9	5.559	5.516	34.121	26.918	29.304	26.913	119.2	11.214	80.4	1480.6	3577.6	21.2
530.0	526.8	5.450	5.406	34.126	26.935	29.369	26.930	117.6	11.332	81.0	1480.3	3689.4	28.5
540.0	536.7	5.160	5.116	34.102	26.950	29.434	26.945	115.9	11.448	81.7	1479.3	3802.4	1.0
550.0	546.6	5.338	5.293	34.136	26.956	29.483	26.951	115.7	11.564	82.1	1480.2	3916.5	11.3
560.0	556.6	5.067	5.022	34.114	26.971	29.547	26.966	114.1	11.679	82.9	1479.2	4031.7	8.0
570.0	566.5	5.257	5.211	34.164	26.988	29.607	26.983	112.8	11.793	83.4	1480.3	4148.1	15.7
580.0	576.4	4.897	4.851	34.135	27.006	29.677	27.001	110.7	11.905	84.0	1478.9	4265.5	5.9
590.0	586.3	4.922	4.876	34.152	27.017	29.733	27.012	109.9	12.015	84.5	1479.2	4384.1	18.2
600.0	596.2	5.044	4.996	34.199	27.041	29.800	27.035	107.9	12.124	85.0	1479.9	4503.8	20.0
610.0	606.1	4.872	4.824	34.192	27.055	29.862	27.050	106.5	12.231	85.6	1479.4	4624.5	15.6
620.0	616.0	4.794	4.745	34.200	27.070	29.924	27.065	105.0	12.337	86.1	1479.2	4746.2	12.7
630.0	626.0	4.752	4.702	34.203	27.077	29.978	27.072	104.4	12.441	86.6	1479.2	4869.0	15.3
640.0	635.9	4.718	4.668	34.212	27.088	30.035	27.083	103.4	12.545	87.1	1479.3	4992.9	10.3
650.0	645.8	4.742	4.691	34.224	27.095	30.087	27.089	103.0	12.649	87.6	1479.5	5117.7	11.2
660.0	655.7	4.626	4.575	34.235	27.116	30.156	27.111	100.9	12.750	88.0	1479.2	5243.6	8.3
670.0	665.6	4.559	4.507	34.236	27.125	30.212	27.119	100.1	12.851	88.6	1479.1	5370.4	17.9
680.0	675.5	4.536	4.484	34.249	27.138	30.270	27.132	98.9	12.950	88.9	1479.2	5498.2	4.2
690.0	685.4	4.524	4.470	34.256	27.145	30.323	27.139	98.4	13.049	89.4	1479.3	5627.0	16.5
700.0	695.3	4.452	4.399	34.262	27.157	30.383	27.152	97.2	13.146	89.8	1479.2	5756.8	3.9
710.0	705.2	4.452	4.398	34.272	27.165	30.436	27.159	96.5	13.243	90.1	1479.4	5887.5	5.1
720.0	715.1	4.417	4.361	34.283	27.178	30.496	27.172	95.3	13.339	90.3	1479.4	6019.2	11.5
730.0	725.0	4.393	4.337	34.297	27.192	30.555	27.185	94.2	13.434	90.3	1479.5	6151.8	6.2
740.0	734.9	4.370	4.314	34.301	27.197	30.607	27.191	93.7	13.528	90.3	1479.6	6285.3	8.0
750.0	744.8	4.313	4.256	34.313	27.213	30.669	27.206	92.2	13.621	90.4	1479.5	6419.8	17.7
760.0	754.8	4.290	4.232	34.325	27.225	30.728	27.219	91.1	13.712	90.4	1479.6	6555.1	11.8
770.0	764.7	4.248	4.190	34.329	27.233	30.782	27.227	90.4	13.803	90.4	1479.6	6691.4	5.4
780.0	774.5	4.225	4.166	34.336	27.241	30.836	27.234	89.8	13.894	90.4	1479.7	6828.5	8.9
790.0	784.5	4.186	4.127	34.341	27.249	30.891	27.243	89.0	13.983	90.4	1479.7	6966.5	8.9
800.0	794.4	4.149	4.089	34.346	27.257	30.945	27.250	88.3	14.072	90.4	1479.7	7105.4	7.1
810.0	804.3	4.138	4.077	34.353	27.264	30.997	27.257	87.7	14.160	90.5	1479.8	7245.2	10.4
820.0	814.2	4.087	4.026	34.359	27.274	31.054	27.267	86.8	14.247	90.4	1479.8	7385.8	13.0
830.0	824.1	4.072	4.010	34.367	27.282	31.108	27.275	86.1	14.333	90.4	1479.9	7527.3	6.6
840.0	834.0	4.053	3.990	34.377	27.292	31.164	27.285	85.2	14.419	90.4	1480.0	7669.6	16.5
850.0	843.9	4.018	3.955	34.382	27.300	31.219	27.293	84.5	14.504	90.4	1480.0	7812.8	1.3
860.0	853.8	3.991	3.927	34.390	27.308	31.274	27.302	83.7	14.588	90.5	1480.1	7956.7	10.7
870.0	863.7	3.993	3.928	34.395	27.313	31.323	27.306	83.4	14.671	90.4	1480.3	8101.5	6.9
880.0	873.5	3.965	3.899	34.400	27.319	31.377	27.313	82.8	14.755	90.4	1480.3	8247.2	9.2
890.0	883.5	3.941	3.875	34.403	27.324	31.427	27.317	82.4	14.837	90.4	1480.4	8393.6	2.2
900.0	893.3	3.921	3.854	34.407	27.329	31.479	27.323	82.0	14.919	90.4	1480.5	8540.8	4.5
910.0	903.2	3.887	3.820	34.411	27.336	31.532	27.330	81.3	15.001	90.4	1480.5	8688.9	11.3
920.0	913.1	3.854	3.786	34.418	27.345	31.588	27.338	80.5	15.082	90.4	1480.5	8837.7	8.1
930.0	923.0	3.828	3.759	34.422	27.351	31.639	27.344	80.0	15.162	90.4	1480.6	8987.3	2.5
940.0	932.9	3.816	3.747	34.427	27.357	31.691	27.350	79.5	15.242	90.4	1480.7	9137.8	7.5
950.0	942.8	3.797	3.727	34.432	27.362	31.743	27.355	79.1	15.321	90.4	1480.8	9289.0	8.4
960.0	952.7	3.774	3.703	34.435	27.367	31.794	27.360	78.7	15.400	90.5	1480.9	9440.9	8.4
970.0	962.6	3.739	3.668	34.439	27.374	31.847	27.367	78.0	15.478	90.4	1480.9	9593.7	2.5
980.0	972.5	3.724	3.652	34.443	27.378	31.898	27.371	77.6	15.556	90.4	1481.0	9747.2	6.6
990.0	982.4	3.697	3.625	34.449	27.386	31.952	27.379	76.9	15.634	90.4	1481.1	9901.4	6.6

Station 50 Latitude 31° 38.69'N Longitude 127° 55.42'W 27 Aug 1989 GMT 23:22 Bottom 4475 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
1000.0	992.3	3.679	3.606	34.452	27.390	32.002	27.383	76.6	15.710	90.5	1481.1	10056.4	3.1
1020.0	1012.1	3.631	3.556	34.460	27.402	32.106	27.394	75.6	15.863	90.4	1481.3	10368.7	9.0
1040.0	1031.8	3.629	3.553	34.473	27.412	32.208	27.405	74.7	16.013	90.4	1481.6	10683.9	2.3
1060.0	1051.6	3.566	3.489	34.474	27.419	32.307	27.411	74.1	16.162	90.4	1481.7	11002.1	4.6
1080.0	1071.4	3.551	3.472	34.490	27.433	32.413	27.426	72.9	16.309	90.4	1482.0	11323.1	3.2
1100.0	1091.2	3.497	3.417	34.493	27.441	32.514	27.434	72.2	16.454	90.4	1482.1	11647.0	5.2
1120.0	1110.9	3.452	3.371	34.500	27.451	32.615	27.443	71.4	16.597	90.4	1482.2	11973.8	4.6
1140.0	1130.7	3.419	3.336	34.506	27.459	32.716	27.452	70.6	16.740	90.4	1482.4	12303.3	.8
1160.0	1150.5	3.374	3.290	34.511	27.468	32.817	27.460	69.9	16.880	90.3	1482.6	12635.6	4.1
1180.0	1170.2	3.343	3.258	34.515	27.474	32.915	27.466	69.4	17.019	90.3	1482.8	12970.6	.9
1200.0	1190.0	3.309	3.222	34.519	27.480	33.013	27.472	68.8	17.157	90.4	1483.0	13308.3	5.9
1220.0	1209.8	3.256	3.168	34.522	27.488	33.114	27.480	68.1	17.294	90.3	1483.1	13648.7	4.1
1240.0	1229.5	3.205	3.116	34.526	27.496	33.214	27.487	67.4	17.430	90.3	1483.2	13991.7	.6
1260.0	1249.3	3.176	3.086	34.530	27.502	33.312	27.493	66.9	17.564	90.3	1483.4	14337.4	3.8
1280.0	1269.0	3.152	3.061	34.536	27.509	33.411	27.500	66.3	17.697	90.3	1483.7	14685.7	1.2
1300.0	1288.8	3.102	3.009	34.540	27.517	33.512	27.508	65.5	17.829	90.4	1483.8	15036.6	.0
1320.0	1308.5	3.050	2.956	34.542	27.523	33.611	27.515	64.9	17.959	90.3	1483.9	15390.0	5.6
1340.0	1328.3	2.997	2.902	34.548	27.533	33.713	27.524	64.0	18.088	90.3	1484.0	15746.0	-.8
1360.0	1348.0	2.961	2.865	34.550	27.538	33.811	27.530	63.5	18.216	90.4	1484.2	16104.4	-.2
1380.0	1367.8	2.929	2.832	34.552	27.543	33.907	27.534	63.1	18.342	90.4	1484.4	16465.3	1.3
1400.0	1387.5	2.886	2.787	34.557	27.551	34.007	27.542	62.4	18.468	90.4	1484.5	16828.7	8.3
1420.0	1407.3	2.855	2.756	34.560	27.556	34.104	27.547	61.9	18.593	90.4	1484.7	17194.5	6.5
1440.0	1427.0	2.827	2.726	34.562	27.560	34.200	27.551	61.6	18.716	90.4	1485.0	17562.7	1.3
1460.0	1446.7	2.799	2.697	34.564	27.564	34.297	27.556	61.1	18.839	90.4	1485.2	17933.3	1.6
1480.0	1466.5	2.774	2.670	34.567	27.569	34.393	27.560	60.8	18.961	90.4	1485.4	18306.3	1.0
1500.0	1486.2	2.734	2.629	34.570	27.576	34.492	27.566	60.2	19.082	90.4	1485.6	18681.7	1.9
1520.0	1505.9	2.711	2.604	34.572	27.579	34.586	27.569	59.9	19.202	90.3	1485.8	19059.4	4.0
1540.0	1525.7	2.675	2.567	34.575	27.584	34.684	27.575	59.4	19.321	90.3	1486.0	19439.4	3.7
1560.0	1545.4	2.661	2.552	34.576	27.586	34.777	27.577	59.3	19.440	90.3	1486.2	19821.7	1.1
1580.0	1565.1	2.632	2.521	34.579	27.592	34.875	27.582	58.8	19.558	90.4	1486.5	20206.3	2.0
1600.0	1584.8	2.609	2.497	34.581	27.595	34.970	27.586	58.5	19.675	90.3	1486.7	20593.2	1.7
1620.0	1604.6	2.587	2.474	34.583	27.599	35.065	27.589	58.2	19.792	90.3	1486.9	20982.4	2.6
1640.0	1624.3	2.547	2.433	34.585	27.604	35.162	27.594	57.6	19.907	90.3	1487.1	21373.8	3.8
1660.0	1644.0	2.516	2.400	34.588	27.609	35.259	27.599	57.2	20.022	90.3	1487.3	21767.5	2.3
1680.0	1663.7	2.485	2.368	34.590	27.613	35.355	27.603	56.8	20.136	90.3	1487.5	22163.3	7.0
1700.0	1683.4	2.450	2.332	34.593	27.618	35.452	27.608	56.3	20.249	90.3	1487.7	22561.4	7.3
1720.0	1703.1	2.405	2.286	34.596	27.625	35.551	27.615	55.6	20.361	90.3	1487.8	22961.7	6.4
1740.0	1722.8	2.385	2.264	34.597	27.627	35.645	27.617	55.4	20.472	90.3	1488.1	23364.1	2.1
1760.0	1742.6	2.365	2.243	34.599	27.631	35.740	27.621	55.1	20.582	90.3	1488.3	23768.6	1.5
1780.0	1762.3	2.348	2.225	34.600	27.633	35.834	27.623	54.9	20.692	90.3	1488.6	24175.3	.6
1800.0	1782.0	2.324	2.200	34.603	27.638	35.929	27.627	54.5	20.802	90.3	1488.8	24584.1	2.7
1820.0	1801.7	2.299	2.173	34.605	27.641	36.025	27.631	54.2	20.910	90.3	1489.1	24995.0	.6
1840.0	1821.4	2.292	2.165	34.605	27.642	36.117	27.632	54.1	21.019	90.4	1489.4	25408.0	4.5
1860.0	1841.1	2.261	2.132	34.609	27.648	36.214	27.637	53.6	21.127	90.3	1489.6	25823.2	5.4
1880.0	1860.8	2.242	2.112	34.610	27.651	36.308	27.640	53.3	21.233	90.3	1489.8	26240.3	1.6
1900.0	1880.5	2.219	2.088	34.612	27.654	36.402	27.643	53.0	21.340	90.4	1490.1	26659.6	2.5
1920.0	1900.2	2.196	2.063	34.614	27.657	36.498	27.647	52.7	21.446	90.3	1490.3	27080.9	3.1
1940.0	1919.8	2.164	2.030	34.617	27.662	36.594	27.652	52.2	21.551	90.3	1490.5	27504.2	2.2
1960.0	1939.5	2.154	2.018	34.618	27.664	36.686	27.653	52.1	21.655	90.3	1490.8	27929.5	.5
1980.0	1959.2	2.127	1.990	34.620	27.668	36.782	27.657	51.7	21.759	90.3	1491.0	28356.9	5.2
2000.0	1978.9	2.111	1.972	34.622	27.671	36.876	27.660	51.4	21.862	90.3	1491.3	28786.2	4.0
2050.0	2028.1	2.069	1.927	34.627	27.678	37.110	27.667	50.8	22.117	90.2	1491.9	29868.3	.8
2100.0	2077.3	2.030	1.885	34.631	27.685	37.344	27.674	50.2	22.370	90.3	1492.6	30962.5	2.6
2150.0	2126.5	1.989	1.839	34.634	27.691	37.577	27.679	49.6	22.619	90.2	1493.3	32068.9	1.2
2200.0	2175.7	1.942	1.789	34.639	27.699	37.812	27.687	48.9	22.865	90.2	1493.9	33187.1	.6
2250.0	2224.8	1.911	1.755	34.642	27.704	38.043	27.691	48.5	23.109	90.3	1494.6	34317.1	-1.1
2300.0	2274.0	1.879	1.718	34.645	27.709	38.274	27.697	48.0	23.350	90.3	1495.3	35458.8	-1.9
2350.0	2323.1	1.848	1.683	34.648	27.714	38.505	27.702	47.6	23.589	90.2	1496.0	36612.0	6.3
2400.0	2372.2	1.828	1.659	34.650	27.718	38.734	27.705	47.4	23.827	90.3	1496.8	37776.7	2.9
2450.0	2421.3	1.805	1.633	34.652	27.722	38.962	27.708	47.1	24.063	90.3	1497.5	38952.7	1.1
2500.0	2470.4	1.784	1.608	34.654	27.725	39.190	27.711	46.9	24.298	90.3	1498.3	40140.0	1.2
2550.0	2519.5	1.757	1.576	34.658	27.730	39.420	27.716	46.4	24.531	90.2	1499.0	41338.6	.1
2600.0	2568.6	1.730	1.545	34.659	27.734	39.649	27.720	46.1	24.763	90.3	1499.8	42548.3	.1
2650.0	2617.7	1.705	1.516	34.662	27.738	39.877	27.724	45.8	24.993	90.2	1500.5	43769.0	1.0
2700.0	2666.7	1.677	1.484	34.664	27.742	40.106	27.728	45.4	25.221	90.3	1501.2	45000.6	.2
2750.0	2715.8	1.654	1.457	34.666	27.745	40.333	27.731	45.2	25.447	90.2	1502.0	46243.1	.2
2800.0	2764.8	1.637	1.436	34.668	27.748	40.559	27.733	45.0	25.672	90.2	1502.8	47496.5	.3
2850.0	2813.8	1.627	1.422	34.669	27.750	40.784	27.735	44.9	25.897	90.2	1503.6	48760.5	1.5
2900.0	2862.9	1.619	1.409	34.670	27.752	41.008	27.737	44.8	26.121	90.2	1504.4	50035.3	-.8
2950.0	2911.9	1.603	1.388	34.671	27.754	41.232	27.739	44.7	26.345	90.2	1505.1	51320.7	.7
3000.0	2960.9	1.593	1.374	34.673	27.757	41.457	27.741	44.6	26.568	90.2	1506.0	52616.8	.4
3050.0	3009.8	1.577	1.354	34.675	27.760	41.682	27.743	44.4	26.791	90.2	1506.7	53923.5	1.4
3100.0	3058.8	1.566	1.337	34.676	27.762	41.905	27.745	44.3	27.012	90.2	1507.5	55240.8	-.6
3118.0	3076.4	1.563	1.333	34.676	27.762	41.985	27.745	44.3	27.092	90.2	1507.8	55717.7	.0

Station 51 Latitude 31° 32.20'N Longitude 127° 41.25'W 28 Aug 1989 GMT 02:35 Bottom 4100 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.199	19.199	33.469	23.802	23.802	23.802	408.9	.000	89.8	1518.1	.0	.0
10.0	10.0	19.210	19.208	33.469	23.800	23.843	23.799	409.5	.409	89.8	1518.3	2.0	13.4
20.0	19.9	19.150	19.146	33.468	23.815	23.902	23.814	408.4	.818	89.8	1518.3	8.2	4.9
30.0	29.9	19.145	19.140	33.468	23.817	23.947	23.815	408.6	1.227	89.8	1518.4	18.4	1.1
40.0	39.9	19.132	19.125	33.467	23.819	23.993	23.818	408.7	1.635	89.8	1518.6	32.6	13.6
50.0	49.9	18.740	18.732	33.473	23.923	24.141	23.921	399.1	2.040	89.7	1517.6	50.9	91.3
60.0	59.8	18.413	18.403	33.479	24.009	24.271	24.007	391.2	2.436	89.7	1516.9	73.3	148.9
70.0	69.8	17.474	17.462	33.479	24.239	24.545	24.236	369.6	2.817	89.7	1514.3	99.5	443.3
80.0	79.8	16.260	16.247	33.485	24.527	24.878	24.524	342.3	3.165	89.8	1510.8	129.3	126.3
90.0	89.7	15.785	15.771	33.509	24.653	25.049	24.650	330.6	3.500	89.8	1509.5	162.5	99.6
100.0	99.7	15.124	15.109	33.489	24.784	25.225	24.781	318.3	3.825	90.0	1507.6	199.0	105.3
110.0	109.6	14.450	14.434	33.430	24.884	25.370	24.881	309.0	4.140	90.0	1505.5	238.6	109.0
120.0	119.6	14.718	14.700	33.650	24.997	25.527	24.993	298.6	4.444	90.0	1506.8	281.4	105.9
130.0	129.5	14.029	14.010	33.628	25.125	25.701	25.121	286.6	4.737	90.3	1504.7	327.1	122.8
140.0	139.5	14.047	14.027	33.734	25.204	25.824	25.200	279.4	5.019	90.3	1505.0	375.6	67.4
150.0	149.4	13.176	13.156	33.681	25.340	26.007	25.336	266.5	5.294	90.5	1502.3	427.0	179.4
160.0	159.4	12.478	12.457	33.650	25.454	26.167	25.450	255.8	5.556	90.7	1500.0	481.0	73.6
170.0	169.4	11.894	11.873	33.642	25.559	26.319	25.555	245.8	5.806	90.6	1498.2	537.5	102.8
180.0	179.3	11.271	11.248	33.622	25.659	26.465	25.654	236.5	6.047	90.7	1496.1	596.4	79.2
190.0	189.2	10.742	10.720	33.650	25.775	26.628	25.771	225.4	6.279	90.7	1494.4	657.7	179.9
200.0	199.2	10.272	10.248	33.676	25.876	26.776	25.872	215.8	6.500	90.8	1492.9	721.3	117.4
210.0	209.1	9.862	9.838	33.710	25.972	26.919	25.969	206.8	6.711	90.8	1491.6	787.0	22.8
220.0	219.1	9.666	9.641	33.768	26.050	27.043	26.046	199.5	6.916	90.8	1491.2	854.7	131.4
230.0	229.0	9.332	9.307	33.845	26.165	27.205	26.161	188.7	7.109	90.8	1490.2	924.4	73.9
240.0	238.9	8.999	8.973	33.899	26.260	27.346	26.256	179.8	7.294	90.7	1489.2	996.0	60.7
250.0	248.9	8.923	8.896	33.917	26.287	27.418	26.283	177.4	7.472	90.9	1489.1	1069.4	36.7
260.0	258.8	8.742	8.714	33.956	26.346	27.524	26.342	171.9	7.647	90.8	1488.6	1144.5	48.1
270.0	268.8	8.609	8.580	33.974	26.381	27.604	26.376	168.7	7.817	90.8	1488.3	1221.3	65.3
280.0	278.7	8.406	8.377	33.987	26.422	27.692	26.418	164.8	7.983	90.7	1487.7	1299.8	50.9
290.0	288.6	8.151	8.122	33.992	26.465	27.781	26.460	160.9	8.146	90.7	1486.9	1379.9	22.2
300.0	298.5	8.009	7.979	33.995	26.488	27.851	26.483	158.7	8.306	90.7	1486.5	1461.6	35.6
310.0	308.5	7.768	7.738	33.999	26.527	27.936	26.522	155.1	8.462	90.7	1485.8	1544.9	26.5
320.0	318.4	7.707	7.675	33.998	26.534	27.990	26.530	154.5	8.617	90.7	1485.7	1629.7	53.2
330.0	328.4	7.517	7.485	34.002	26.565	28.067	26.560	151.6	8.770	90.7	1485.1	1716.0	47.9
340.0	338.3	7.299	7.266	33.999	26.593	28.143	26.589	149.0	8.920	90.7	1484.4	1803.9	27.9
350.0	348.2	7.163	7.130	34.002	26.615	28.211	26.610	147.0	9.068	90.6	1484.1	1893.2	28.2
360.0	358.1	6.952	6.918	34.002	26.643	28.287	26.639	144.2	9.213	90.6	1483.4	1983.9	19.4
370.0	368.1	6.809	6.775	34.003	26.664	28.354	26.659	142.4	9.357	90.6	1483.0	2076.1	22.0
380.0	378.0	6.644	6.609	33.998	26.682	28.419	26.677	140.7	9.498	90.6	1482.5	2169.7	39.8
390.0	387.9	6.455	6.420	34.000	26.709	28.493	26.705	138.1	9.637	90.6	1481.9	2264.7	21.6
400.0	397.8	6.314	6.279	34.000	26.727	28.558	26.722	136.4	9.774	90.6	1481.5	2361.0	18.7
410.0	407.8	6.195	6.159	34.002	26.744	28.622	26.740	134.8	9.910	90.6	1481.2	2458.7	26.5
420.0	417.7	6.090	6.053	34.009	26.763	28.688	26.759	133.0	10.044	90.6	1481.0	2557.7	9.3
430.0	427.6	6.052	6.015	34.013	26.771	28.742	26.766	132.4	10.177	90.5	1481.0	2658.0	18.6
440.0	437.5	5.953	5.916	34.021	26.790	28.808	26.785	130.6	10.308	90.4	1480.8	2759.7	22.4
450.0	447.5	5.909	5.870	34.029	26.802	28.866	26.798	129.6	10.438	90.5	1480.8	2862.6	16.0
460.0	457.4	5.813	5.774	34.037	26.820	28.930	26.815	128.0	10.567	90.5	1480.5	2966.8	11.6
470.0	467.3	5.719	5.680	34.048	26.840	28.997	26.835	126.1	10.694	90.5	1480.3	3072.3	14.8
480.0	477.2	5.630	5.590	34.055	26.857	29.061	26.852	124.5	10.819	90.5	1480.2	3179.0	23.6
490.0	487.1	5.602	5.561	34.060	26.864	29.114	26.860	123.9	10.944	90.5	1480.2	3286.9	25.6
500.0	497.1	5.518	5.476	34.068	26.881	29.177	26.876	122.4	11.067	90.5	1480.0	3396.1	13.3
510.0	507.0	5.487	5.445	34.080	26.894	29.236	26.889	121.3	11.189	90.4	1480.1	3506.5	8.0
520.0	516.9	5.488	5.445	34.096	26.906	29.294	26.901	120.2	11.309	90.4	1480.3	3618.1	17.7
530.0	526.8	5.424	5.380	34.112	26.927	29.362	26.922	118.3	11.429	90.4	1480.2	3730.8	18.6
540.0	536.7	5.319	5.275	34.120	26.946	29.427	26.941	116.5	11.546	90.4	1480.0	3844.7	20.6
550.0	546.7	5.166	5.121	34.111	26.956	29.486	26.951	115.4	11.662	90.5	1479.5	3959.8	10.0
560.0	556.6	5.122	5.077	34.125	26.973	29.548	26.968	113.9	11.776	90.4	1479.5	4076.0	15.3
570.0	566.5	4.960	4.914	34.136	27.000	29.624	26.995	111.3	11.889	90.5	1479.0	4193.4	19.7
580.0	576.4	4.910	4.864	34.144	27.012	29.682	27.007	110.2	12.000	90.4	1479.0	4311.8	8.5
590.0	586.3	4.897	4.851	34.151	27.019	29.735	27.014	109.6	12.110	90.5	1479.1	4431.3	21.7
600.0	596.2	4.938	4.890	34.174	27.033	29.794	27.028	108.5	12.219	90.5	1479.5	4551.9	10.6
610.0	606.1	4.990	4.941	34.195	27.044	29.850	27.038	107.7	12.327	90.4	1479.9	4673.5	11.5
620.0	616.0	5.074	5.024	34.227	27.059	29.909	27.054	106.5	12.434	90.4	1480.4	4796.3	11.6
630.0	626.0	4.992	4.941	34.235	27.076	29.972	27.070	104.9	12.540	90.4	1480.2	4920.0	13.9
640.0	635.9	4.935	4.884	34.242	27.087	30.031	27.081	103.9	12.644	90.4	1480.2	5044.8	-1.9
650.0	645.8	4.873	4.821	34.246	27.098	30.088	27.092	102.9	12.748	90.4	1480.1	5170.7	8.3
660.0	655.7	4.884	4.832	34.264	27.111	30.146	27.105	101.8	12.850	90.4	1480.3	5297.5	14.5
670.0	665.6	4.850	4.797	34.271	27.120	30.202	27.114	101.0	12.952	90.4	1480.4	5425.3	9.5
680.0	675.5	4.786	4.732	34.281	27.136	30.264	27.130	99.5	13.052	90.4	1480.3	5554.2	18.3
690.0	685.4	4.731	4.677	34.285	27.145	30.320	27.139	98.7	13.151	90.5	1480.2	5684.0	15.9
700.0	695.3	4.714	4.659	34.300	27.159	30.380	27.153	97.5	13.249	90.5	1480.3	5814.8	19.2
710.0	705.2	4.734	4.678	34.314	27.168	30.434	27.162	96.7	13.346	90.4	1480.6	5946.5	7.2
720.0	715.1	4.708	4.651	34.325	27.180	30.492	27.173	95.7	13.443	90.4	1480.7	6079.2	11.0
730.0	725.0	4.689	4.632	34.332	27.187	30.545	27.180	95.1	13.538	90.4	1480.8	6212.8	4.3
740.0	735.0	4.634	4.576	34.344	27.203	30.607	27.196	93.7	13.632	90.5	1480.7	6347.4	11.0
750.0	744.9	4.618	4.559	34.347	27.208	30.658	27.201	93.3	13.726	90.5	1480.8	6482.9	3.1
760.0	754.8	4.615	4.555	34.349	27.209	30.705	27.202	93.2	13.819	90.4	1481.0	6619.3	17.2
770.0	764.7	4.585	4.525	34.358	27.219	30.762	27.213	92.3	13.911	90.4	1481.0	6756.6	4.6
780.0	774.6	4.507	4.446	34.362	27.232	30.821	27.225	91.1	14.003	90.4	1480.9	6894.8	15.7
790.0	784.5	4.469	4.408	34.367	27.240	30.876	27.233	90.4	14.094	90.4	1480.9	7034.0	5.1
800.0	794.4	4.442	4.380	34.369	27.244	30.926	27.237	90.1	14.184	90.4	1480.9	7174.0	7.5
810.0	804.3	4.415	4.352	34.374	27.251	30.979	27.244	89.5	14.274	90.5	1481.0	7314.9	1.6
820.0	814.2	4.363	4.299	34.386	27.266	31.041	27.260	88.0	14.363	90.4	1481.0	7456.6	4.9
830.0	824.1	4.325	4.261	34.389	27.273	31.095	27.267	87.4	14.450	90.4	1481.0	7599.3	11.3
840.0	834.0	4.292	4.227	34.400	27.285	31.153	27.279	86.3	14.537	90.4	1481.0	7742.7	14.5
850.0	843.9	4.266	4.201	34.404	27.292	31.205	27.285	85.8	14.623	90.4	1481.1	7887.1	5.2
860.0	853.8	4.245	4.179	34.408	27.296	31.256	27.289	85.4	14.709	90.4	1481.2	8032.3	5.8
870.0	863.7	4.220	4.153	34.415	27.304	31.310	27.298	84.6	14.794	90.4	1481.2	8178.3	10.7
880.0	873.6	4.204	4.137	34.421	27.311	31.363	27.304	84.1	14.878	90.4	1481.3	8325.1	1.4
890.0	883.5	4.191	4.123	34.422	27.314	31.412	27.307	83.9	14.962	90.4	1481.5	8472.8	17.5
900.0	893.4	4.152	4.083	34.430	27.324	31.469	27.317	82.9	15.045	90.4	1481.5	8621.3	3.1
910.0	903.3	4.110	4.041	34.436	27.333	31.524	27.326	82.1	15.128	90.4	1481.5	8770.6	8.4
920.0	913.2	4.089	4.019	34.439	27.338	31.574	27.330	81.8	15.210	90.4	1481.5	8920.7	2.6
930.0	923.0	4.075	4.005	34.441	27.341	31.624	27.334	81.5	15.291	90.4	1481.6	9071.6	7.5
940.0	933.0	4.054	3.983	34.444	27.346	31.674	27.338	81.1	15.373	90.3	1481.7	9223.3	18.1
950.0	942.8	4.004	3.933	34.449	27.355	31.730	27.347	80.2	15.453	90.4	1481.7	9375.8	10.8
960.0	952.7	3.961	3.888	34.453	27.363	31.785	27.355	79.5	15.533	90.4	1481.7	9529.0	16.6
970.0	962.6	3.953	3.880	34.452	27.363	31.830	27.355	79.6	15.613	90.4	1481.8	9683.1	1.1
980.0	972.5	3.889	3.816	34.458	27.374	31.889	27.367	78.4	15.692	90.4	1481.7	9838.0	7.0
990.0	982.4	3.877	3.803	34.458	27.375	31.936	27.368	78.4	15.770	90.3	1481.8	9993.6	1.1

Station 51 Latitude 31° 32.20'N Longitude 127° 41.25'W 28 Aug 1989 GMT 02:35 Bottom 4100 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.3	3.870	3.795	34.459	27.377	31.983	27.369	78.3	15.849	90.4	1482.0	10149.9	6.4
1020.0	1012.1	3.788	3.713	34.470	27.394	32.094	27.386	76.7	16.004	90.4	1482.0	10465.0	18.4
1040.0	1031.9	3.714	3.638	34.477	27.407	32.200	27.400	75.4	16.156	90.4	1482.0	10783.1	2.0
1060.0	1051.6	3.700	3.622	34.479	27.410	32.295	27.403	75.3	16.307	90.4	1482.3	11104.1	5.2
1080.0	1071.4	3.639	3.559	34.488	27.424	32.401	27.416	74.1	16.456	90.3	1482.3	11428.0	4.9
1100.0	1091.2	3.610	3.529	34.492	27.429	32.498	27.421	73.6	16.604	90.4	1482.6	11754.8	8.5
1120.0	1111.0	3.514	3.432	34.500	27.445	32.608	27.437	72.0	16.749	90.4	1482.5	12084.6	-1.2
1140.0	1130.7	3.508	3.424	34.501	27.447	32.701	27.439	72.1	16.893	90.4	1482.8	12417.1	1.2
1160.0	1150.5	3.443	3.358	34.506	27.458	32.804	27.449	71.0	17.036	90.4	1482.9	12752.4	2.3
1180.0	1170.3	3.437	3.351	34.508	27.459	32.898	27.451	71.0	17.178	90.4	1483.2	13090.5	.6
1200.0	1190.0	3.380	3.293	34.513	27.469	33.000	27.461	70.1	17.319	90.4	1483.3	13431.4	1.8
1220.0	1209.8	3.330	3.242	34.519	27.479	33.102	27.470	69.2	17.458	90.4	1483.4	13775.0	2.7
1240.0	1229.6	3.289	3.199	34.525	27.487	33.203	27.479	68.4	17.596	90.3	1483.6	14121.4	.6
1260.0	1249.3	3.246	3.155	34.525	27.492	33.300	27.483	68.0	17.732	90.4	1483.7	14470.3	3.0
1280.0	1269.1	3.175	3.084	34.531	27.503	33.404	27.494	66.9	17.867	90.4	1483.7	14822.0	1.2
1300.0	1288.8	3.108	3.016	34.537	27.514	33.508	27.505	65.8	18.000	90.4	1483.8	15176.2	4.1
1320.0	1308.6	3.097	3.003	34.537	27.515	33.601	27.507	65.8	18.131	90.3	1484.1	15533.0	-.2
1340.0	1328.3	3.049	2.953	34.542	27.524	33.702	27.515	65.0	18.262	90.3	1484.2	15892.4	.1
1360.0	1348.1	3.031	2.934	34.544	27.527	33.797	27.518	64.8	18.392	90.4	1484.5	16254.3	6.8
1380.0	1367.8	2.996	2.898	34.547	27.533	33.895	27.524	64.3	18.521	90.4	1484.7	16618.7	3.6
1400.0	1387.6	2.959	2.860	34.551	27.540	33.994	27.531	63.6	18.649	90.4	1484.8	16985.6	7.4
1420.0	1407.3	2.924	2.824	34.554	27.545	34.091	27.536	63.1	18.775	90.4	1485.0	17355.0	2.2
1440.0	1427.0	2.882	2.781	34.557	27.551	34.190	27.542	62.6	18.901	90.4	1485.2	17726.9	7.2
1460.0	1446.8	2.829	2.727	34.561	27.559	34.291	27.550	61.7	19.025	90.3	1485.3	18101.2	1.3
1480.0	1466.5	2.802	2.698	34.564	27.564	34.387	27.555	61.4	19.149	90.4	1485.5	18477.9	2.5
1500.0	1486.2	2.770	2.664	34.568	27.570	34.485	27.561	60.8	19.271	90.4	1485.7	18857.0	-.1
1520.0	1506.0	2.726	2.619	34.571	27.577	34.584	27.568	60.1	19.392	90.5	1485.9	19238.4	5.1
1540.0	1525.7	2.704	2.596	34.574	27.581	34.680	27.572	59.8	19.511	90.4	1486.1	19622.2	5.2
1560.0	1545.4	2.674	2.565	34.577	27.586	34.777	27.576	59.3	19.630	90.4	1486.3	20008.2	2.8
1580.0	1565.2	2.645	2.535	34.578	27.590	34.872	27.580	59.0	19.749	90.4	1486.5	20396.6	.5
1600.0	1584.9	2.611	2.499	34.580	27.594	34.969	27.585	58.6	19.866	90.4	1486.7	20787.3	1.4
1620.0	1604.6	2.585	2.472	34.583	27.599	35.065	27.589	58.2	19.983	90.3	1486.9	21180.3	2.0
1640.0	1624.3	2.551	2.437	34.585	27.604	35.162	27.594	57.7	20.099	90.3	1487.1	21575.5	4.1
1660.0	1644.0	2.522	2.406	34.588	27.608	35.258	27.598	57.3	20.214	90.4	1487.3	21972.9	1.7
1680.0	1663.8	2.480	2.364	34.591	27.615	35.357	27.605	56.6	20.328	90.4	1487.5	22372.6	.3
1700.0	1683.5	2.439	2.321	34.595	27.621	35.456	27.612	55.9	20.440	90.3	1487.6	22774.4	6.1
1720.0	1703.2	2.429	2.310	34.595	27.622	35.548	27.612	56.0	20.552	90.3	1487.9	23178.5	.9
1740.0	1722.9	2.392	2.271	34.598	27.628	35.646	27.618	55.3	20.663	90.3	1488.1	23584.6	2.9
1760.0	1742.6	2.362	2.241	34.600	27.632	35.741	27.622	55.0	20.774	90.3	1488.3	23993.0	.3
1780.0	1762.3	2.342	2.219	34.602	27.635	35.836	27.625	54.7	20.883	90.3	1488.6	24403.4	2.7
1800.0	1782.0	2.311	2.187	34.604	27.640	35.932	27.629	54.2	20.992	90.3	1488.8	24816.0	3.9
1820.0	1801.7	2.286	2.160	34.606	27.644	36.028	27.633	53.9	21.100	90.3	1489.0	25230.7	3.6
1840.0	1821.4	2.257	2.130	34.609	27.648	36.124	27.638	53.5	21.207	90.4	1489.2	25647.4	2.7
1860.0	1841.1	2.231	2.103	34.610	27.651	36.219	27.641	53.1	21.314	90.3	1489.4	26066.2	1.3
1880.0	1860.8	2.211	2.081	34.612	27.654	36.313	27.644	52.8	21.420	90.3	1489.7	26487.1	2.4
1900.0	1880.5	2.193	2.061	34.613	27.657	36.407	27.647	52.6	21.525	90.3	1489.9	26910.0	2.8
1920.0	1900.2	2.169	2.036	34.616	27.661	36.502	27.650	52.2	21.630	90.3	1490.2	27334.9	1.3
1940.0	1919.9	2.155	2.020	34.618	27.664	36.596	27.653	52.0	21.735	90.4	1490.5	27761.9	2.5
1960.0	1939.6	2.145	2.009	34.618	27.665	36.688	27.654	51.9	21.838	90.4	1490.7	28190.8	-1.3
1980.0	1959.3	2.132	1.995	34.620	27.668	36.781	27.657	51.7	21.942	90.3	1491.0	28621.8	.8
2000.0	1978.9	2.114	1.975	34.622	27.671	36.876	27.660	51.4	22.045	90.3	1491.3	29054.8	2.0
2050.0	2028.2	2.068	1.926	34.627	27.679	37.111	27.667	50.7	22.300	90.3	1491.9	30145.8	-.4
2100.0	2077.3	2.029	1.883	34.631	27.685	37.344	27.674	50.2	22.552	90.3	1492.6	31249.1	.9
2150.0	2126.5	1.994	1.845	34.635	27.691	37.577	27.679	49.7	22.802	90.3	1493.3	32364.4	.6
2200.0	2175.7	1.955	1.802	34.639	27.698	37.810	27.686	49.1	23.048	90.3	1494.0	33491.7	.9
2250.0	2224.9	1.926	1.769	34.641	27.702	38.041	27.690	48.7	23.293	90.3	1494.7	34630.7	2.1
2300.0	2274.0	1.902	1.741	34.644	27.706	38.270	27.694	48.4	23.536	90.3	1495.4	35781.5	2.5
2350.0	2323.1	1.876	1.712	34.647	27.711	38.500	27.698	48.1	23.777	90.3	1496.2	36943.9	-.1
2400.0	2372.3	1.848	1.680	34.649	27.715	38.730	27.702	47.7	24.017	90.3	1496.9	38117.9	1.1
2450.0	2421.4	1.816	1.643	34.653	27.721	38.961	27.708	47.2	24.254	90.3	1497.6	39303.3	3.5
2500.0	2470.5	1.797	1.620	34.654	27.724	39.188	27.710	47.1	24.490	90.3	1498.4	40500.0	.3
2550.0	2519.6	1.770	1.589	34.657	27.728	39.418	27.715	46.7	24.725	90.3	1499.1	41708.0	2.1
2600.0	2568.7	1.752	1.567	34.659	27.731	39.645	27.718	46.5	24.958	90.3	1499.9	42927.3	.7
2650.0	2617.7	1.726	1.537	34.661	27.735	39.873	27.721	46.2	25.189	90.3	1500.6	44157.6	2.2
2700.0	2666.8	1.703	1.510	34.663	27.739	40.101	27.725	45.9	25.419	90.2	1501.3	45398.9	.2
2750.0	2715.8	1.686	1.488	34.665	27.742	40.327	27.727	45.7	25.648	90.3	1502.1	46651.3	2.3
2800.0	2764.9	1.664	1.462	34.666	27.744	40.553	27.730	45.5	25.876	90.2	1502.9	47914.5	1.7
2850.0	2813.9	1.644	1.438	34.668	27.748	40.780	27.733	45.2	26.103	90.2	1503.6	49188.6	.9
2900.0	2862.9	1.625	1.414	34.670	27.751	41.007	27.736	44.9	26.327	90.2	1504.4	50473.5	-.2
2950.0	2911.9	1.613	1.398	34.671	27.754	41.231	27.738	44.8	26.552	90.2	1505.2	51769.1	1.0
3000.0	2960.9	1.596	1.377	34.673	27.756	41.456	27.740	44.7	26.776	90.2	1506.0	53075.3	.7
3050.0	3009.9	1.579	1.356	34.674	27.759	41.681	27.743	44.4	26.998	90.3	1506.7	54392.2	1.1
3100.0	3058.8	1.568	1.340	34.675	27.761	41.905	27.745	44.4	27.220	90.3	1507.6	55719.7	-.3
3102.0	3060.8	1.568	1.339	34.675	27.761	41.913	27.744	44.4	27.229	90.2	1507.6	55773.1	.0

Station 52 Latitude 31° 45.25'N Longitude 127° 33.43'W 28 Aug 1989 GMT 05:45 Bottom 4300 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.075	19.075	33.472	23.836	23.836	23.836	405.7	.000	90.0	1517.8	.0	.0
10.0	10.0	19.080	19.079	33.472	23.835	23.878	23.834	406.2	.406	90.0	1517.9	2.0	-4.2
20.0	19.9	19.069	19.065	33.466	23.833	23.920	23.833	406.6	.812	90.0	1518.1	8.1	1.4
30.0	29.9	19.054	19.049	33.463	23.836	23.966	23.834	406.8	1.219	90.0	1518.2	18.2	-2.5
40.0	39.9	19.054	19.047	33.464	23.837	24.011	23.835	407.0	1.626	89.9	1518.3	32.4	.5
50.0	49.8	18.779	18.770	33.444	23.891	24.109	23.889	402.2	2.032	89.8	1517.7	50.6	198.7
60.0	59.8	17.724	17.714	33.494	24.189	24.451	24.187	374.1	2.420	89.8	1514.9	72.9	63.3
70.0	69.8	16.022	16.011	33.451	24.555	24.862	24.552	339.4	2.775	89.8	1509.8	98.8	75.9
80.0	79.8	15.581	15.569	33.460	24.661	25.013	24.658	329.6	3.109	89.9	1508.6	128.1	21.4
90.0	89.7	15.178	15.164	33.505	24.785	25.181	24.782	318.0	3.433	90.1	1507.6	160.7	46.8
100.0	99.7	14.975	14.960	33.502	24.826	25.267	24.823	314.3	3.749	90.1	1507.1	196.4	101.5
110.0	109.6	14.566	14.550	33.519	24.928	25.414	24.925	304.9	4.059	90.1	1506.0	235.3	95.9
120.0	119.6	14.015	13.998	33.473	25.009	25.540	25.005	297.4	4.359	90.1	1504.3	277.2	177.8
130.0	129.5	13.251	13.233	33.396	25.104	25.682	25.101	288.3	4.649	90.3	1501.8	322.1	1.1
140.0	139.5	12.592	12.574	33.417	25.251	25.875	25.247	274.5	4.934	90.5	1499.8	369.8	149.1
150.0	149.4	12.365	12.346	33.440	25.313	25.981	25.309	268.9	5.205	90.5	1499.2	420.2	24.1
160.0	159.4	11.427	11.407	33.425	25.476	26.192	25.472	253.3	5.468	90.7	1496.1	473.3	216.0
170.0	169.3	11.008	10.988	33.474	25.590	26.353	25.586	242.6	5.715	90.8	1494.8	529.0	87.4
180.0	179.3	10.911	10.890	33.620	25.721	26.528	25.717	230.4	5.951	90.8	1494.8	587.0	54.9
190.0	189.2	10.323	10.301	33.659	25.854	26.709	25.851	217.7	6.174	90.8	1492.9	647.3	71.7
200.0	199.2	9.939	9.917	33.688	25.942	26.844	25.939	209.4	6.387	90.9	1491.7	709.7	185.0
210.0	209.1	9.477	9.453	33.772	26.084	27.032	26.080	196.0	6.590	90.8	1490.3	774.3	109.9
220.0	219.1	9.248	9.224	33.851	26.183	27.177	26.179	186.8	6.780	90.8	1489.7	840.7	9.8
230.0	229.0	9.075	9.050	33.891	26.242	27.283	26.239	181.2	6.964	90.9	1489.3	909.0	105.8
240.0	238.9	8.734	8.708	33.906	26.307	27.395	26.303	175.1	7.141	90.8	1488.2	979.1	44.2
250.0	248.9	8.627	8.601	33.943	26.353	27.486	26.349	171.0	7.314	90.8	1488.0	1050.9	60.6
260.0	258.8	8.398	8.371	33.958	26.400	27.580	26.396	166.5	7.483	90.8	1487.3	1124.4	55.9
270.0	268.7	8.272	8.245	33.982	26.438	27.663	26.434	163.1	7.647	90.8	1487.0	1199.6	39.5
280.0	278.7	8.087	8.059	33.992	26.474	27.746	26.470	159.8	7.808	90.7	1486.5	1276.4	35.3
290.0	288.6	7.917	7.888	33.994	26.500	27.819	26.496	157.3	7.966	90.7	1486.0	1354.7	22.7
300.0	298.5	7.788	7.758	34.004	26.528	27.892	26.523	154.8	8.122	90.8	1485.7	1434.6	67.2
310.0	308.5	7.491	7.461	34.003	26.570	27.981	26.565	150.8	8.275	90.8	1484.7	1516.0	15.3
320.0	318.4	7.361	7.330	34.002	26.587	28.045	26.583	149.3	8.425	90.7	1484.4	1599.0	19.4
330.0	328.3	7.153	7.122	34.001	26.615	28.120	26.611	146.6	8.572	90.7	1483.7	1683.3	11.8
340.0	338.3	7.016	6.984	34.001	26.634	28.186	26.630	144.9	8.718	90.7	1483.3	1769.2	30.2
350.0	348.2	6.752	6.720	34.000	26.669	28.269	26.665	141.5	8.861	90.7	1482.5	1856.5	4.4
360.0	358.1	6.710	6.677	33.998	26.674	28.319	26.669	141.2	9.003	90.7	1482.5	1945.1	2.6
370.0	368.0	6.555	6.522	34.004	26.699	28.391	26.694	138.8	9.143	90.6	1482.0	2035.2	46.5
380.0	378.0	6.404	6.370	34.008	26.722	28.461	26.717	136.7	9.281	90.6	1481.6	2126.7	34.2
390.0	387.9	6.332	6.298	34.008	26.731	28.517	26.727	135.9	9.417	90.6	1481.5	2219.5	1.1
400.0	397.8	6.184	6.149	34.015	26.756	28.588	26.751	133.6	9.552	90.6	1481.0	2313.6	6.0
410.0	407.7	6.142	6.106	34.018	26.763	28.642	26.759	133.0	9.685	90.6	1481.0	2409.1	11.9
420.0	417.7	5.984	5.948	34.029	26.792	28.718	26.788	130.2	9.818	90.6	1480.6	2505.8	21.2
430.0	427.6	5.957	5.921	34.029	26.795	28.767	26.791	130.0	9.948	90.6	1480.6	2603.9	-.4
440.0	437.5	5.932	5.895	34.028	26.798	28.816	26.794	129.9	10.078	90.5	1480.7	2703.3	24.2
450.0	447.4	5.800	5.762	34.034	26.819	28.883	26.814	127.9	10.206	90.5	1480.3	2803.9	31.5
460.0	457.4	5.733	5.694	34.043	26.835	28.946	26.830	126.5	10.333	90.5	1480.2	2905.8	4.5
470.0	467.3	5.703	5.663	34.056	26.849	29.006	26.844	125.2	10.459	90.5	1480.3	3008.9	8.9
480.0	477.2	5.613	5.572	34.053	26.857	29.060	26.852	124.5	10.584	90.5	1480.1	3113.3	19.4
490.0	487.1	5.561	5.520	34.067	26.875	29.125	26.870	122.9	10.708	90.5	1480.1	3218.9	12.7
500.0	497.0	5.552	5.511	34.077	26.884	29.180	26.879	122.1	10.830	90.5	1480.2	3325.7	-1.6
510.0	507.0	5.492	5.449	34.088	26.900	29.242	26.895	120.7	10.951	90.6	1480.1	3433.8	38.2
520.0	516.9	5.326	5.283	34.094	26.924	29.314	26.919	118.3	11.071	90.5	1479.6	3543.0	20.9
530.0	526.8	5.226	5.183	34.098	26.939	29.376	26.934	116.9	11.189	90.6	1479.4	3653.4	26.4
540.0	536.7	5.154	5.110	34.106	26.954	29.437	26.949	115.6	11.305	90.5	1479.3	3764.9	27.3
550.0	546.6	5.092	5.048	34.112	26.966	29.497	26.961	114.4	11.420	90.5	1479.2	3877.6	12.1
560.0	556.5	4.993	4.949	34.123	26.986	29.563	26.981	112.5	11.533	90.5	1479.0	3991.4	21.7
570.0	566.5	4.966	4.921	34.135	26.999	29.622	26.994	111.4	11.645	90.5	1479.0	4106.3	11.2
580.0	576.4	4.896	4.850	34.143	27.013	29.683	27.008	110.1	11.756	90.6	1478.9	4222.3	20.3
590.0	586.3	4.908	4.861	34.163	27.028	29.743	27.022	108.9	11.866	90.6	1479.2	4339.4	13.2
600.0	596.2	4.761	4.714	34.170	27.050	29.813	27.044	106.7	11.973	90.5	1478.7	4457.5	16.7
610.0	606.1	4.789	4.741	34.183	27.057	29.866	27.052	106.2	12.080	90.5	1479.0	4576.7	12.4
620.0	616.0	4.781	4.732	34.195	27.067	29.922	27.062	105.3	12.186	90.5	1479.2	4697.0	15.3
630.0	625.9	4.807	4.757	34.209	27.076	29.975	27.070	104.7	12.290	90.5	1479.5	4818.3	2.1
640.0	635.8	4.736	4.686	34.221	27.094	30.040	27.088	103.0	12.394	90.5	1479.3	4940.6	12.1
650.0	645.8	4.871	4.820	34.261	27.110	30.100	27.104	101.8	12.497	90.5	1480.1	5064.0	6.0
660.0	655.7	4.794	4.742	34.270	27.125	30.162	27.120	100.3	12.598	90.5	1480.0	5188.3	27.4
670.0	665.6	4.710	4.657	34.275	27.139	30.223	27.133	99.0	12.697	90.5	1479.8	5313.6	34.7
680.0	675.5	4.709	4.656	34.306	27.165	30.294	27.158	96.7	12.794	90.5	1480.0	5439.9	11.2
690.0	685.4	4.688	4.634	34.324	27.181	30.356	27.174	95.3	12.890	90.5	1480.1	5567.1	2.2
700.0	695.3	4.685	4.629	34.328	27.185	30.406	27.179	95.0	12.985	90.5	1480.3	5695.3	-.5
710.0	705.2	4.681	4.626	34.335	27.190	30.457	27.184	94.6	13.080	90.5	1480.4	5824.4	10.7
720.0	715.1	4.676	4.620	34.338	27.194	30.506	27.187	94.4	13.175	90.5	1480.6	5954.5	-.1
730.0	725.0	4.657	4.600	34.344	27.200	30.559	27.194	93.8	13.269	90.5	1480.7	6085.4	9.2
740.0	734.9	4.624	4.566	34.349	27.208	30.613	27.202	93.1	13.362	90.5	1480.7	6217.3	5.1
750.0	744.8	4.578	4.520	34.357	27.220	30.671	27.214	92.0	13.455	90.5	1480.7	6350.1	1.3
760.0	754.7	4.539	4.480	34.363	27.229	30.726	27.222	91.3	13.547	90.5	1480.7	6483.9	16.9
770.0	764.6	4.483	4.424	34.375	27.244	30.788	27.238	89.8	13.638	90.5	1480.6	6618.5	29.7
780.0	774.5	4.444	4.384	34.386	27.257	30.847	27.250	88.6	13.727	90.4	1480.6	6754.0	7.8
790.0	784.4	4.415	4.354	34.389	27.263	30.899	27.256	88.1	13.815	90.5	1480.7	6890.3	4.6
800.0	794.3	4.350	4.289	34.391	27.272	30.955	27.265	87.3	13.903	90.5	1480.6	7027.5	8.9
810.0	804.2	4.335	4.272	34.397	27.278	31.008	27.271	86.8	13.990	90.4	1480.7	7165.6	4.0
820.0	814.1	4.304	4.241	34.401	27.284	31.060	27.278	86.2	14.076	90.5	1480.7	7304.6	8.9
830.0	824.0	4.280	4.216	34.403	27.289	31.112	27.283	85.8	14.162	90.5	1480.8	7444.3	3.7
840.0	833.9	4.269	4.205	34.409	27.295	31.163	27.288	85.3	14.248	90.5	1480.9	7585.0	5.2
850.0	843.8	4.267	4.202	34.416	27.301	31.214	27.294	84.9	14.333	90.4	1481.1	7726.4	9.3
860.0	853.7	4.243	4.177	34.420	27.306	31.266	27.299	84.4	14.418	90.5	1481.2	7868.7	4.9
870.0	863.6	4.218	4.152	34.424	27.312	31.318	27.305	84.0	14.502	90.5	1481.2	8011.9	10.4
880.0	873.5	4.169	4.102	34.429	27.321	31.373	27.314	83.1	14.586	90.5	1481.2	8155.8	13.4
890.0	883.4	4.136	4.069	34.431	27.327	31.425	27.320	82.6	14.668	90.5	1481.2	8300.6	12.8
900.0	893.3	4.104	4.036	34.439	27.336	31.481	27.329	81.8	14.751	90.5	1481.3	8446.1	10.2
910.0	903.2	4.094	4.025	34.441	27.339	31.530	27.332	81.5	14.832	90.5	1481.4	8592.5	6.6
920.0	913.1	4.068	3.999	34.443	27.344	31.580	27.336	81.2	14.914	90.5	1481.5	8739.7	4.6
930.0	923.0	4.064	3.993	34.444	27.345	31.628	27.337	81.1	14.995	90.5	1481.6	8887.7	9.3
940.0	932.9	4.013	3.942	34.449	27.354	31.683	27.346	80.3	15.075	90.5	1481.6	9036.4	4.6
950.0	942.8	3.981	3.909	34.452	27.360	31.736	27.352	79.8	15.155	90.5	1481.6	9186.0	2.3
960.0	952.7	3.945	3.873	34.455	27.366	31.788	27.358	79.2	15.235	90.5	1481.6	9336.3	7.5
970.0	962.6	3.936	3.863	34.459	27.370	31.838	27.363	78.9	15.314	90.4	1481.7	9487.4	3.4
980.0	972.5	3.904	3.830	34.462	27.376	31.890	27.368	78.3	15.392	90.4	1481.8	9639.3	6.7
990.0	982.4	3.868	3.794	34.468	27.385	31.946	27.377	77.5	15.470	90.4	1481.8	9791.9	7.3

Station 52 Latitude 31° 45.25'N Longitude 127° 33.43'W 28 Aug 1989 GMT 05:45 Bottom 4300 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.3	3.836	3.762	34.470	27.389	31.997	27.382	77.1	15.548	90.4	1481.8	9945.3	5.2
1020.0	1012.0	3.789	3.714	34.475	27.398	32.098	27.390	76.3	15.701	90.4	1482.0	10254.4	14.3
1040.0	1031.8	3.718	3.641	34.483	27.412	32.204	27.404	75.1	15.852	90.4	1482.0	10566.4	1.7
1060.0	1051.6	3.676	3.598	34.487	27.419	32.304	27.411	74.5	16.002	90.4	1482.2	10881.4	5.5
1080.0	1071.4	3.618	3.539	34.492	27.429	32.406	27.421	73.5	16.150	90.4	1482.3	11199.3	3.2
1100.0	1091.1	3.595	3.514	34.496	27.434	32.504	27.426	73.1	16.296	90.4	1482.5	11520.1	3.5
1120.0	1110.9	3.535	3.453	34.506	27.448	32.610	27.440	71.9	16.441	90.5	1482.6	11843.7	6.4
1140.0	1130.7	3.490	3.407	34.511	27.456	32.711	27.448	71.1	16.584	90.4	1482.7	12170.2	4.1
1160.0	1150.4	3.436	3.352	34.513	27.463	32.811	27.456	70.4	16.726	90.4	1482.8	12499.4	-.3
1180.0	1170.2	3.392	3.306	34.519	27.472	32.912	27.464	69.7	16.866	90.4	1483.0	12831.3	7.9
1200.0	1190.0	3.345	3.258	34.524	27.481	33.013	27.473	68.8	17.004	90.4	1483.1	13166.0	2.6
1220.0	1209.7	3.298	3.210	34.528	27.489	33.113	27.481	68.1	17.141	90.5	1483.3	13503.4	4.1
1240.0	1229.5	3.243	3.154	34.531	27.497	33.214	27.488	67.4	17.277	90.4	1483.4	13843.4	5.0
1260.0	1249.3	3.189	3.099	34.538	27.507	33.317	27.498	66.5	17.411	90.4	1483.5	14186.1	3.8
1280.0	1269.0	3.160	3.068	34.540	27.511	33.413	27.503	66.1	17.543	90.4	1483.7	14531.3	6.2
1300.0	1288.8	3.118	3.026	34.543	27.518	33.512	27.509	65.5	17.675	90.4	1483.9	14879.2	3.6
1320.0	1308.5	3.064	2.970	34.547	27.526	33.613	27.517	64.7	17.805	90.4	1484.0	15229.5	2.7
1340.0	1328.3	3.031	2.936	34.549	27.531	33.710	27.522	64.3	17.934	90.4	1484.1	15582.4	2.7
1360.0	1348.0	2.992	2.896	34.550	27.535	33.807	27.527	63.9	18.062	90.4	1484.3	15937.8	2.7
1380.0	1367.8	2.953	2.855	34.553	27.542	33.905	27.533	63.3	18.189	90.4	1484.5	16295.7	2.7
1400.0	1387.5	2.924	2.825	34.556	27.546	34.002	27.538	62.9	18.316	90.4	1484.7	16656.1	3.3
1420.0	1407.2	2.905	2.804	34.557	27.549	34.096	27.541	62.7	18.441	90.4	1484.9	17018.9	4.8
1440.0	1427.0	2.871	2.770	34.560	27.554	34.193	27.545	62.2	18.566	90.5	1485.1	17384.1	1.9
1460.0	1446.7	2.836	2.733	34.563	27.560	34.291	27.551	61.7	18.690	90.5	1485.3	17751.8	2.2
1480.0	1466.4	2.807	2.703	34.565	27.565	34.388	27.556	61.3	18.813	90.3	1485.5	18121.8	4.5
1500.0	1486.2	2.782	2.676	34.567	27.569	34.483	27.559	61.0	18.935	90.5	1485.8	18494.3	2.2
1520.0	1505.9	2.747	2.641	34.571	27.575	34.581	27.565	60.4	19.056	90.3	1485.9	18869.1	4.3
1540.0	1525.6	2.718	2.610	34.574	27.580	34.678	27.570	60.0	19.177	90.4	1486.2	19246.3	3.4
1560.0	1545.4	2.695	2.586	34.576	27.583	34.773	27.574	59.7	19.297	90.4	1486.4	19625.7	2.8
1580.0	1565.1	2.666	2.555	34.578	27.587	34.869	27.578	59.3	19.416	90.4	1486.6	20007.5	2.6
1600.0	1584.8	2.630	2.518	34.581	27.593	34.967	27.583	58.8	19.534	90.4	1486.8	20391.7	4.6
1620.0	1604.5	2.608	2.494	34.582	27.596	35.061	27.586	58.5	19.651	90.4	1487.0	20778.0	2.0
1640.0	1624.3	2.566	2.451	34.585	27.603	35.160	27.593	57.8	19.767	90.4	1487.2	21166.7	.5
1660.0	1644.0	2.535	2.419	34.588	27.607	35.257	27.597	57.4	19.882	90.4	1487.4	21557.6	.6
1680.0	1663.7	2.507	2.390	34.590	27.611	35.352	27.601	57.0	19.997	90.4	1487.6	21950.7	7.3
1700.0	1683.4	2.497	2.378	34.590	27.613	35.445	27.603	57.0	20.111	90.4	1487.9	22346.0	.0
1720.0	1703.1	2.450	2.330	34.595	27.620	35.545	27.610	56.2	20.225	90.3	1488.0	22743.6	8.5
1740.0	1722.8	2.440	2.318	34.595	27.621	35.637	27.611	56.2	20.337	90.4	1488.3	23143.3	1.2
1760.0	1742.5	2.433	2.310	34.596	27.623	35.729	27.612	56.1	20.449	90.4	1488.6	23545.2	.6
1780.0	1762.2	2.408	2.283	34.597	27.626	35.824	27.616	55.8	20.561	90.4	1488.9	23949.3	1.8
1800.0	1781.9	2.376	2.251	34.600	27.631	35.920	27.621	55.3	20.672	90.4	1489.1	24355.5	.1
1820.0	1801.6	2.348	2.221	34.603	27.636	36.017	27.625	54.9	20.782	90.4	1489.3	24763.9	-.2
1840.0	1821.3	2.311	2.183	34.605	27.640	36.114	27.630	54.4	20.892	90.4	1489.4	25174.4	.4
1860.0	1841.0	2.298	2.169	34.606	27.642	36.206	27.632	54.3	21.000	90.4	1489.7	25587.0	8.0
1880.0	1860.7	2.270	2.140	34.608	27.646	36.302	27.635	53.9	21.108	90.4	1489.9	26001.7	1.6
1900.0	1880.4	2.241	2.109	34.610	27.650	36.398	27.640	53.5	21.216	90.4	1490.2	26418.5	1.6
1920.0	1900.1	2.222	2.089	34.611	27.653	36.492	27.642	53.2	21.322	90.4	1490.4	26837.4	.7
1940.0	1919.8	2.198	2.063	34.614	27.658	36.588	27.647	52.8	21.428	90.4	1490.6	27258.3	6.6
1960.0	1939.5	2.183	2.046	34.616	27.660	36.681	27.649	52.6	21.534	90.4	1490.9	27681.2	3.7
1980.0	1959.2	2.168	2.030	34.617	27.662	36.774	27.652	52.4	21.638	90.4	1491.2	28106.2	1.1
2000.0	1978.9	2.148	2.009	34.620	27.667	36.869	27.655	52.0	21.743	90.5	1491.4	28533.2	4.0
2050.0	2028.1	2.092	1.949	34.625	27.675	37.106	27.664	51.2	22.001	90.4	1492.0	29609.4	4.0
2100.0	2077.3	2.049	1.903	34.629	27.682	37.340	27.670	50.6	22.255	90.4	1492.7	30698.0	3.2
2150.0	2126.5	2.007	1.857	34.634	27.690	37.575	27.678	49.9	22.507	90.4	1493.4	31798.8	1.8
2200.0	2175.6	1.965	1.811	34.638	27.696	37.808	27.685	49.2	22.755	90.3	1494.0	32911.5	-.2
2250.0	2224.8	1.933	1.775	34.640	27.700	38.039	27.688	48.9	23.000	90.4	1494.7	34036.1	-.5
2300.0	2273.9	1.888	1.727	34.645	27.708	38.273	27.696	48.2	23.243	90.4	1495.4	35172.5	-.5
2350.0	2323.1	1.862	1.698	34.648	27.713	38.503	27.700	47.9	23.483	90.4	1496.1	36320.5	.5
2400.0	2372.2	1.833	1.664	34.650	27.717	38.733	27.705	47.5	23.721	90.4	1496.8	37479.9	1.7
2450.0	2421.3	1.800	1.628	34.653	27.722	38.964	27.709	47.0	23.957	90.3	1497.5	38650.7	.6
2500.0	2470.4	1.773	1.597	34.655	27.727	39.193	27.713	46.6	24.191	90.4	1498.3	39832.8	1.2
2550.0	2519.5	1.749	1.569	34.657	27.730	39.421	27.717	46.4	24.424	90.3	1499.0	41026.1	.6
2600.0	2568.6	1.731	1.547	34.659	27.733	39.648	27.720	46.2	24.655	90.3	1499.8	42230.5	.4
2650.0	2617.6	1.710	1.522	34.661	27.737	39.876	27.723	45.9	24.885	90.4	1500.5	43445.9	1.0
2700.0	2666.7	1.685	1.492	34.664	27.741	40.104	27.727	45.6	25.114	90.4	1501.3	44672.4	.5
2750.0	2715.8	1.660	1.463	34.666	27.745	40.332	27.730	45.2	25.342	90.3	1502.0	45909.7	.2
2800.0	2764.8	1.642	1.440	34.668	27.748	40.558	27.733	45.0	25.567	90.3	1502.8	47157.8	1.7
2850.0	2813.8	1.625	1.419	34.669	27.751	40.784	27.736	44.8	25.792	90.4	1503.5	48416.7	2.7
2900.0	2862.8	1.613	1.403	34.670	27.753	41.009	27.737	44.7	26.016	90.4	1504.3	49686.3	-1.1
2950.0	2911.8	1.600	1.385	34.672	27.755	41.234	27.740	44.6	26.240	90.3	1505.1	50966.6	-.2
3000.0	2960.8	1.590	1.371	34.673	27.757	41.457	27.741	44.5	26.462	90.4	1505.9	52257.5	.4
3050.0	3009.8	1.580	1.356	34.674	27.759	41.681	27.743	44.5	26.685	90.3	1506.7	53559.0	.5
3100.0	3058.8	1.566	1.337	34.676	27.761	41.905	27.745	44.3	26.907	90.3	1507.5	54871.2	-.1
3120.0	3078.3	1.561	1.331	34.676	27.762	41.994	27.746	44.3	26.996	90.3	1507.9	55399.0	.0

Station 53 Latitude 31° 59.19'N Longitude 127° 24.95'W 28 Aug 1989 GMT 08:56 Bottom 4350 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.104	19.104	33.494	23.846	23.846	23.846	404.8	.000	89.9	1517.9	.0	.0
10.0	10.0	19.110	19.108	33.494	23.844	23.888	23.844	405.3	.405	89.9	1518.0	2.0	-2.3
20.0	19.9	19.115	19.112	33.494	23.843	23.930	23.842	405.7	.811	89.9	1518.2	8.1	-.5
30.0	29.9	19.116	19.111	33.494	23.844	23.974	23.842	406.0	1.216	89.8	1518.4	18.2	-1.6
40.0	39.9	19.100	19.093	33.490	23.845	24.019	23.843	406.3	1.623	89.9	1518.5	32.3	6.4
50.0	49.8	18.732	18.723	33.469	23.922	24.139	23.920	399.3	2.028	89.8	1517.6	50.5	238.5
60.0	59.8	18.168	18.158	33.483	24.073	24.334	24.070	385.2	2.421	89.8	1516.1	72.7	147.1
70.0	69.8	16.144	16.133	33.354	24.452	24.760	24.450	349.2	2.787	89.8	1510.1	98.7	354.4
80.0	79.8	15.799	15.786	33.503	24.645	24.997	24.642	331.1	3.124	90.0	1509.4	128.1	84.7
90.0	89.7	14.964	14.951	33.435	24.778	25.174	24.774	318.7	3.450	90.0	1506.8	160.9	103.6
100.0	99.7	14.584	14.569	33.419	24.846	25.288	24.843	312.3	3.765	90.1	1505.7	196.8	33.8
110.0	109.6	14.234	14.219	33.399	24.905	25.392	24.902	306.9	4.074	90.1	1504.7	235.9	2.1
120.0	119.6	13.248	13.231	33.326	25.050	25.584	25.047	293.2	4.374	90.3	1501.6	277.9	33.3
130.0	129.5	13.127	13.109	33.315	25.067	25.645	25.063	291.9	4.667	90.3	1501.3	322.9	56.4
140.0	139.5	12.530	12.512	33.289	25.163	25.788	25.160	282.8	4.954	90.3	1499.4	370.8	94.9
150.0	149.4	11.807	11.788	33.301	25.310	25.980	25.306	269.0	5.231	90.5	1497.1	421.5	63.8
160.0	159.4	11.418	11.399	33.331	25.405	26.121	25.401	260.1	5.497	90.6	1495.9	474.9	154.2
170.0	169.3	10.941	10.921	33.462	25.593	26.355	25.589	242.3	5.748	90.7	1494.6	530.8	131.6
180.0	179.3	10.599	10.577	33.522	25.700	26.509	25.696	232.3	5.985	90.7	1493.6	589.2	29.3
190.0	189.2	10.260	10.238	33.583	25.805	26.661	25.802	222.3	6.214	90.8	1492.6	649.9	79.3
200.0	199.2	9.895	9.873	33.651	25.920	26.822	25.916	211.5	6.433	90.8	1491.5	712.8	162.1
210.0	209.1	9.545	9.522	33.710	26.024	26.972	26.021	201.7	6.639	90.7	1490.5	777.7	90.3
220.0	219.1	9.260	9.236	33.807	26.147	27.141	26.143	190.2	6.835	90.8	1489.7	844.7	62.2
230.0	229.0	9.208	9.183	33.856	26.194	27.233	26.190	185.9	7.024	90.8	1489.7	913.6	25.0
240.0	238.9	9.032	9.007	33.905	26.260	27.346	26.256	179.8	7.206	90.7	1489.3	984.3	47.2
250.0	248.9	8.948	8.921	33.971	26.325	27.456	26.321	173.7	7.383	90.8	1489.2	1056.8	41.1
260.0	258.8	8.677	8.650	33.967	26.364	27.542	26.360	170.1	7.555	90.7	1488.4	1131.0	36.3
270.0	268.7	8.370	8.342	33.969	26.413	27.638	26.409	165.5	7.723	90.7	1487.4	1206.9	33.9
280.0	278.7	8.151	8.123	33.967	26.445	27.716	26.441	162.6	7.887	90.7	1486.7	1284.4	42.7
290.0	288.6	8.033	8.004	33.992	26.482	27.800	26.478	159.1	8.048	90.7	1486.5	1363.6	2.5
300.0	298.5	7.913	7.883	33.995	26.502	27.866	26.498	157.3	8.206	90.7	1486.2	1444.3	-.7
310.0	308.5	7.777	7.747	33.994	26.521	27.931	26.517	155.6	8.363	90.8	1485.8	1526.6	16.0
320.0	318.4	7.638	7.606	33.997	26.544	28.000	26.540	153.5	8.518	90.7	1485.4	1610.4	24.4
330.0	328.3	7.408	7.376	33.993	26.573	28.076	26.569	150.8	8.670	90.7	1484.7	1695.8	35.2
340.0	338.3	7.282	7.250	33.997	26.594	28.144	26.590	148.8	8.820	90.7	1484.4	1782.6	16.8
350.0	348.2	7.194	7.160	33.995	26.605	28.201	26.601	147.9	8.968	90.7	1484.2	1870.9	30.8
360.0	358.1	6.958	6.925	33.998	26.640	28.284	26.636	144.6	9.114	90.6	1483.4	1960.7	33.1
370.0	368.0	6.756	6.722	33.998	26.667	28.358	26.663	142.0	9.257	90.7	1482.8	2051.9	34.3
380.0	378.0	6.654	6.619	33.999	26.681	28.418	26.677	140.7	9.398	90.6	1482.6	2144.5	36.0
390.0	387.9	6.451	6.417	34.006	26.713	28.498	26.709	137.7	9.538	90.6	1481.9	2238.4	36.5
400.0	397.8	6.338	6.303	34.010	26.731	28.563	26.727	136.0	9.674	90.6	1481.6	2333.8	28.6
410.0	407.7	6.186	6.150	34.015	26.756	28.634	26.751	133.7	9.809	90.6	1481.2	2430.5	5.8
420.0	417.7	6.068	6.032	34.025	26.778	28.703	26.774	131.6	9.941	90.6	1480.9	2528.5	6.6
430.0	427.6	6.009	5.972	34.037	26.795	28.766	26.791	130.1	10.073	90.6	1480.8	2627.8	23.0
440.0	437.5	5.857	5.819	34.045	26.820	28.839	26.816	127.7	10.202	90.5	1480.4	2728.4	25.3
450.0	447.4	5.788	5.750	34.059	26.841	28.905	26.836	125.8	10.329	90.5	1480.3	2830.2	31.8
460.0	457.4	5.629	5.591	34.062	26.862	28.974	26.858	123.8	10.453	90.6	1479.8	2933.3	26.8
470.0	467.3	5.619	5.580	34.083	26.880	29.038	26.875	122.2	10.576	90.5	1480.0	3037.6	11.8
480.0	477.2	5.493	5.453	34.079	26.892	29.097	26.887	121.1	10.698	90.6	1479.6	3143.1	10.1
490.0	487.1	5.404	5.363	34.084	26.906	29.158	26.902	119.7	10.818	90.6	1479.4	3249.9	17.1
500.0	497.0	5.355	5.314	34.096	26.922	29.220	26.917	118.3	10.937	90.6	1479.4	3357.8	8.9
510.0	507.0	5.322	5.280	34.106	26.934	29.278	26.929	117.3	11.055	90.6	1479.5	3466.8	.7
520.0	516.9	5.242	5.199	34.120	26.955	29.346	26.950	115.4	11.171	90.5	1479.3	3577.0	5.1
530.0	526.8	5.152	5.109	34.120	26.965	29.403	26.960	114.4	11.286	90.5	1479.1	3688.4	14.7
540.0	536.7	5.082	5.038	34.121	26.974	29.459	26.969	113.6	11.400	90.5	1479.0	3800.9	14.4
550.0	546.6	5.026	4.983	34.130	26.987	29.518	26.982	112.4	11.513	90.5	1478.9	3914.5	19.4
560.0	556.5	4.930	4.885	34.139	27.006	29.584	27.001	110.6	11.625	90.5	1478.7	4029.2	16.4
570.0	566.5	4.893	4.848	34.146	27.016	29.640	27.011	109.7	11.735	90.6	1478.7	4145.0	12.3
580.0	576.4	4.863	4.818	34.151	27.022	29.693	27.018	109.1	11.844	90.5	1478.8	4261.9	26.4
590.0	586.3	4.783	4.737	34.165	27.043	29.760	27.038	107.2	11.952	90.6	1478.6	4379.8	15.9
600.0	596.2	4.692	4.645	34.173	27.059	29.824	27.054	105.7	12.058	90.5	1478.4	4498.8	20.8
610.0	606.1	4.647	4.600	34.188	27.077	29.888	27.071	104.1	12.163	90.5	1478.4	4618.9	13.8
620.0	616.0	4.679	4.631	34.207	27.088	29.944	27.083	103.2	12.267	90.5	1478.8	4740.0	8.2
630.0	625.9	4.710	4.661	34.217	27.093	29.994	27.087	102.9	12.370	90.5	1479.1	4862.0	5.9
640.0	635.8	4.714	4.664	34.228	27.101	30.048	27.096	102.2	12.473	90.6	1479.3	4985.2	17.1
650.0	645.8	4.722	4.672	34.245	27.114	30.106	27.108	101.2	12.574	90.5	1479.5	5109.3	5.4
660.0	655.7	4.573	4.522	34.239	27.125	30.166	27.120	99.9	12.675	90.5	1479.0	5234.4	11.5
670.0	665.6	4.572	4.520	34.250	27.135	30.221	27.129	99.1	12.774	90.5	1479.2	5360.4	4.5
680.0	675.5	4.523	4.471	34.258	27.146	30.279	27.141	98.1	12.873	90.5	1479.2	5487.5	.7
690.0	685.4	4.485	4.432	34.262	27.154	30.333	27.148	97.4	12.971	90.5	1479.2	5615.5	11.2
700.0	695.3	4.449	4.395	34.272	27.166	30.391	27.160	96.4	13.068	90.5	1479.2	5744.5	9.4
710.0	705.2	4.569	4.514	34.300	27.176	30.444	27.169	95.8	13.164	90.4	1479.9	5874.4	18.6
720.0	715.1	4.403	4.348	34.296	27.190	30.507	27.184	94.3	13.259	90.5	1479.4	6005.3	12.4
730.0	725.0	4.374	4.318	34.308	27.202	30.566	27.196	93.1	13.353	90.5	1479.4	6137.1	13.8
740.0	734.9	4.349	4.293	34.317	27.212	30.622	27.206	92.3	13.445	90.6	1479.5	6269.8	4.8
750.0	744.8	4.327	4.270	34.324	27.220	30.677	27.214	91.5	13.537	90.5	1479.6	6403.5	8.3
760.0	754.7	4.279	4.221	34.328	27.229	30.731	27.222	90.8	13.628	90.4	1479.6	6538.0	10.6
770.0	764.6	4.271	4.212	34.338	27.237	30.786	27.231	90.1	13.719	90.5	1479.7	6673.4	4.8
780.0	774.5	4.256	4.196	34.348	27.247	30.841	27.241	89.2	13.808	90.6	1479.8	6809.7	10.7
790.0	784.4	4.210	4.151	34.351	27.254	30.895	27.248	88.6	13.897	90.4	1479.8	6946.8	6.5
800.0	794.3	4.216	4.156	34.358	27.260	30.946	27.253	88.2	13.985	90.5	1480.0	7084.9	2.8
810.0	804.2	4.201	4.139	34.367	27.268	31.001	27.262	87.4	14.073	90.5	1480.1	7223.8	13.3
820.0	814.1	4.146	4.084	34.374	27.280	31.059	27.273	86.3	14.160	90.5	1480.0	7363.6	7.1
830.0	824.0	4.207	4.143	34.394	27.289	31.113	27.283	85.6	14.246	90.5	1480.5	7504.2	6.0
840.0	833.9	4.183	4.119	34.400	27.297	31.167	27.290	85.0	14.331	90.5	1480.6	7645.6	8.4
850.0	843.8	4.150	4.086	34.404	27.303	31.219	27.296	84.5	14.416	90.5	1480.6	7787.9	11.9
860.0	853.7	4.127	4.062	34.408	27.309	31.271	27.302	83.9	14.500	90.4	1480.7	7931.0	1.3
870.0	863.6	4.142	4.076	34.420	27.317	31.324	27.310	83.3	14.584	90.5	1480.9	8074.9	8.4
880.0	873.5	4.109	4.043	34.425	27.324	31.378	27.317	82.7	14.667	90.5	1480.9	8219.7	1.9
890.0	883.4	4.094	4.027	34.432	27.332	31.432	27.325	82.0	14.749	90.5	1481.1	8365.2	1.1
900.0	893.3	4.077	4.010	34.438	27.338	31.484	27.331	81.5	14.831	90.4	1481.2	8511.6	7.2
910.0	903.2	4.041	3.973	34.440	27.344	31.536	27.337	81.0	14.912	90.5	1481.2	8658.8	3.1
920.0	913.1	4.011	3.942	34.446	27.351	31.590	27.344	80.3	14.993	90.4	1481.2	8806.7	5.5
930.0	923.0	4.003	3.933	34.449	27.355	31.639	27.347	80.1	15.073	90.4	1481.4	8955.5	11.0
940.0	932.9	3.968	3.898	34.454	27.362	31.693	27.355	79.3	15.153	90.4	1481.4	9105.0	6.1
950.0	942.8	3.945	3.874	34.459	27.369	31.746	27.362	78.8	15.232	90.4	1481.5	9255.3	6.6
960.0	952.7	3.923	3.851	34.461	27.372	31.795	27.365	78.5	15.310	90.4	1481.5	9406.4	3.4
970.0	962.6	3.888	3.815	34.465	27.380	31.849	27.372	77.8	15.389	90.4	1481.6	9558.2	6.7
980.0	972.5	3.859	3.786	34.467	27.384	31.900	27.377	77.4	15.466	90.4	1481.6	9710.8	5.5
990.0	982.3	3.838	3.764	34.471	27.389	31.951	27.382	77.0	15.543	90.4	1481.7	9864.2	7.5

Station 53 Latitude 31° 59.19'N Longitude 127° 24.95'W 28 Aug 1989 GMT 08:56 Bottom 4350 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m³	Sigma-z kg/m³	Sigma-t kg/m³	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
1000.0	992.2	3.811	3.737	34.474	27.395	32.003	27.387	76.5	15.620	90.4	1481.7	10018.3	8.1
1020.0	1012.0	3.766	3.690	34.478	27.403	32.103	27.395	75.8	15.772	90.4	1481.9	10328.8	3.5
1040.0	1031.8	3.719	3.643	34.484	27.412	32.204	27.404	75.1	15.923	90.4	1482.0	10642.2	3.2
1060.0	1051.6	3.673	3.595	34.489	27.420	32.306	27.413	74.3	16.073	90.4	1482.2	10958.6	4.6
1080.0	1071.3	3.637	3.558	34.493	27.428	32.405	27.420	73.7	16.221	90.4	1482.3	11277.9	4.4
1100.0	1091.1	3.561	3.480	34.500	27.441	32.511	27.433	72.4	16.367	90.4	1482.4	11600.1	4.1
1120.0	1110.9	3.515	3.434	34.503	27.448	32.611	27.440	71.8	16.511	90.4	1482.5	11925.1	6.4
1140.0	1130.7	3.459	3.376	34.506	27.455	32.710	27.447	71.1	16.654	90.4	1482.6	12252.9	5.5
1160.0	1150.4	3.419	3.335	34.513	27.465	32.813	27.457	70.2	16.795	90.4	1482.8	12583.5	6.1
1180.0	1170.2	3.370	3.285	34.519	27.475	32.915	27.467	69.4	16.935	90.4	1482.9	12916.8	2.9
1200.0	1190.0	3.340	3.253	34.522	27.480	33.012	27.472	69.0	17.073	90.4	1483.1	13252.8	4.4
1220.0	1209.7	3.279	3.191	34.527	27.490	33.115	27.481	68.0	17.211	90.4	1483.2	13591.6	5.3
1240.0	1229.5	3.266	3.177	34.528	27.492	33.208	27.483	67.9	17.347	90.4	1483.5	13932.9	4.4
1260.0	1249.2	3.217	3.127	34.533	27.500	33.309	27.492	67.1	17.482	90.4	1483.6	14277.0	2.1
1280.0	1269.0	3.174	3.082	34.539	27.509	33.410	27.501	66.3	17.615	90.4	1483.7	14623.6	8.2
1300.0	1288.7	3.127	3.034	34.540	27.515	33.509	27.506	65.8	17.747	90.4	1483.9	14972.9	3.6
1320.0	1308.5	3.090	2.996	34.543	27.521	33.607	27.513	65.2	17.878	90.3	1484.1	15324.7	2.1
1340.0	1328.2	3.030	2.935	34.546	27.529	33.708	27.520	64.5	18.008	90.4	1484.1	15679.0	1.8
1360.0	1348.0	2.989	2.892	34.550	27.536	33.807	27.527	63.8	18.136	90.4	1484.3	16035.9	2.4
1380.0	1367.7	2.946	2.849	34.554	27.543	33.906	27.534	63.2	18.264	90.4	1484.5	16395.3	2.7
1400.0	1387.5	2.925	2.826	34.557	27.548	34.003	27.539	62.8	18.390	90.4	1484.7	16757.1	5.4
1420.0	1407.2	2.885	2.785	34.561	27.554	34.101	27.545	62.2	18.515	90.4	1484.9	17121.3	3.0
1440.0	1426.9	2.863	2.761	34.563	27.558	34.197	27.549	61.9	18.639	90.4	1485.1	17488.0	1.3
1460.0	1446.7	2.840	2.737	34.564	27.561	34.292	27.552	61.6	18.762	90.4	1485.3	17857.1	3.1
1480.0	1466.4	2.809	2.705	34.567	27.566	34.388	27.557	61.2	18.885	90.3	1485.5	18228.6	.4
1500.0	1486.2	2.782	2.677	34.569	27.570	34.485	27.561	60.8	19.007	90.4	1485.8	18602.4	.2
1520.0	1505.9	2.743	2.636	34.572	27.576	34.583	27.567	60.3	19.128	90.4	1485.9	18978.7	2.8
1540.0	1525.6	2.716	2.608	34.574	27.580	34.679	27.571	59.9	19.249	90.4	1486.1	19357.2	-.1
1560.0	1545.3	2.693	2.584	34.576	27.584	34.774	27.574	59.6	19.368	90.3	1486.4	19738.1	3.1
1580.0	1565.1	2.657	2.546	34.579	27.590	34.872	27.580	59.0	19.487	90.4	1486.6	20121.3	.2
1600.0	1584.8	2.628	2.516	34.581	27.593	34.967	27.584	58.7	19.605	90.4	1486.8	20506.9	-.9
1620.0	1604.5	2.601	2.488	34.584	27.598	35.063	27.588	58.3	19.722	90.4	1487.0	20894.6	4.0
1640.0	1624.2	2.572	2.457	34.586	27.602	35.159	27.592	57.9	19.838	90.3	1487.2	21284.7	2.9
1660.0	1643.9	2.542	2.426	34.587	27.606	35.255	27.596	57.5	19.954	90.3	1487.4	21677.0	1.1
1680.0	1663.7	2.513	2.395	34.590	27.611	35.351	27.601	57.1	20.069	90.4	1487.6	22071.5	1.4
1700.0	1683.4	2.491	2.372	34.592	27.615	35.447	27.605	56.8	20.183	90.4	1487.9	22468.3	-.6
1720.0	1703.1	2.471	2.351	34.594	27.618	35.542	27.608	56.5	20.296	90.4	1488.1	22867.2	6.5
1740.0	1722.8	2.435	2.314	34.598	27.624	35.639	27.614	55.9	20.408	90.4	1488.3	23268.3	6.8
1760.0	1742.5	2.402	2.279	34.601	27.629	35.737	27.619	55.4	20.520	90.4	1488.5	23671.6	5.6
1780.0	1762.2	2.378	2.255	34.602	27.633	35.832	27.622	55.1	20.630	90.3	1488.7	24077.1	2.4
1800.0	1781.9	2.350	2.225	34.604	27.636	35.927	27.626	54.7	20.740	90.3	1488.9	24484.7	.3
1820.0	1801.6	2.323	2.197	34.607	27.641	36.023	27.630	54.3	20.849	90.4	1489.2	24894.4	5.9
1840.0	1821.3	2.306	2.178	34.609	27.644	36.117	27.633	54.1	20.957	90.4	1489.4	25306.1	3.0
1860.0	1841.0	2.282	2.152	34.610	27.647	36.212	27.637	53.7	21.065	90.4	1489.7	25720.0	-.2
1880.0	1860.7	2.247	2.117	34.614	27.653	36.310	27.642	53.1	21.172	90.4	1489.8	26136.0	.1
1900.0	1880.4	2.228	2.096	34.616	27.656	36.404	27.645	52.9	21.278	90.4	1490.1	26554.0	3.6
1920.0	1900.1	2.198	2.065	34.618	27.660	36.500	27.650	52.4	21.383	90.4	1490.3	26974.0	2.2
1940.0	1919.8	2.176	2.042	34.620	27.663	36.595	27.653	52.1	21.488	90.4	1490.6	27396.1	2.8
1960.0	1939.5	2.167	2.031	34.620	27.665	36.687	27.654	52.0	21.592	90.4	1490.8	27820.2	.8
1980.0	1959.2	2.149	2.012	34.622	27.668	36.780	27.657	51.8	21.696	90.4	1491.1	28246.3	1.6
2000.0	1978.8	2.126	1.987	34.624	27.672	36.876	27.661	51.4	21.799	90.4	1491.3	28674.4	1.4
2050.0	2028.1	2.086	1.944	34.628	27.678	37.109	27.667	50.9	22.055	90.4	1492.0	29753.3	.2
2100.0	2077.2	2.042	1.896	34.632	27.685	37.343	27.673	50.3	22.308	90.3	1492.7	30844.5	1.7
2150.0	2126.4	2.004	1.854	34.635	27.691	37.576	27.679	49.8	22.557	90.3	1493.3	31947.7	2.4
2200.0	2175.6	1.967	1.814	34.639	27.697	37.809	27.685	49.2	22.805	90.3	1494.0	33063.0	1.8
2250.0	2224.8	1.921	1.764	34.642	27.703	38.042	27.691	48.6	23.050	90.5	1494.7	34190.0	3.6
2300.0	2273.9	1.885	1.724	34.646	27.709	38.274	27.697	48.1	23.292	90.4	1495.4	35328.8	3.7
2350.0	2323.0	1.849	1.685	34.649	27.715	38.506	27.702	47.5	23.530	90.3	1496.1	36479.1	.8
2400.0	2372.2	1.829	1.661	34.650	27.718	38.734	27.705	47.4	23.768	90.3	1496.8	37640.8	1.1
2450.0	2421.3	1.801	1.629	34.653	27.722	38.964	27.709	47.0	24.004	90.3	1497.5	38813.9	.0
2500.0	2470.4	1.780	1.603	34.655	27.725	39.191	27.712	46.8	24.238	90.4	1498.3	39998.3	1.2
2550.0	2519.5	1.767	1.587	34.657	27.728	39.418	27.715	46.7	24.472	90.3	1499.1	41193.9	.3
2600.0	2568.5	1.745	1.561	34.659	27.732	39.646	27.718	46.4	24.705	90.3	1499.8	42400.6	1.9
2650.0	2617.6	1.719	1.530	34.662	27.737	39.875	27.723	46.0	24.935	90.3	1500.6	43618.5	2.2
2700.0	2666.7	1.694	1.501	34.663	27.740	40.103	27.726	45.7	25.165	90.3	1501.3	44847.3	1.1
2750.0	2715.7	1.677	1.480	34.665	27.743	40.329	27.728	45.5	25.393	90.3	1502.1	46087.1	1.1
2800.0	2764.7	1.658	1.457	34.666	27.745	40.555	27.731	45.4	25.620	90.3	1502.8	47337.8	.9
2850.0	2813.8	1.648	1.442	34.667	27.747	40.779	27.732	45.3	25.847	90.4	1503.6	48599.3	.3
2900.0	2862.8	1.633	1.423	34.667	27.749	41.004	27.734	45.2	26.073	90.2	1504.4	49871.6	1.2
2950.0	2911.8	1.619	1.404	34.670	27.752	41.229	27.737	45.0	26.299	90.3	1505.2	51154.7	.7
3000.0	2960.8	1.605	1.386	34.671	27.755	41.454	27.739	44.9	26.523	90.3	1506.0	52448.5	-.7
3050.0	3009.7	1.597	1.373	34.673	27.757	41.677	27.740	44.8	26.747	90.3	1506.8	53753.0	1.7
3100.0	3058.7	1.586	1.358	34.674	27.758	41.901	27.742	44.7	26.971	90.3	1507.6	55068.2	.2
3150.0	3107.7	1.582	1.349	34.674	27.760	42.122	27.743	44.8	27.195	90.3	1508.5	56394.1	.6
3200.0	3156.6	1.573	1.335	34.676	27.762	42.345	27.744	44.7	27.419	90.3	1509.3	57730.6	-.8
3250.0	3205.5	1.572	1.329	34.676	27.763	42.566	27.745	44.8	27.642	90.2	1510.1	59077.8	-.5
3300.0	3254.5	1.548	1.301	34.679	27.767	42.792	27.749	44.4	27.865	90.3	1510.9	60435.6	1.3
3350.0	3303.4	1.541	1.289	34.679	27.768	43.014	27.750	44.4	28.087	90.3	1511.7	61804.0	.2
3400.0	3352.3	1.537	1.279	34.681	27.770	43.235	27.751	44.4	28.309	90.3	1512.5	63182.9	2.3
3450.0	3401.2	1.533	1.271	34.682	27.771	43.456	27.752	44.4	28.531	90.3	1513.4	64572.3	.0
3500.0	3450.0	1.527	1.260	34.683	27.773	43.677	27.754	44.4	28.753	90.3	1514.2	65972.3	2.1
3550.0	3498.9	1.522	1.250	34.684	27.774	43.897	27.755	44.4	28.975	90.2	1515.0	67382.8	1.0
3600.0	3547.8	1.517	1.240	34.685	27.775	44.117	27.756	44.4	29.197	90.2	1515.9	68803.9	-.5
3650.0	3596.6	1.512	1.230	34.685	27.777	44.337	27.757	44.4	29.419	90.3	1516.7	70235.5	-.4
3700.0	3645.4	1.510	1.222	34.686	27.778	44.556	27.758	44.4	29.641	90.2	1517.6	71677.6	.2
3750.0	3694.3	1.509	1.217	34.687	27.779	44.775	27.758	44.5	29.863	90.2	1518.4	73130.2	-.6
3800.0	3743.1	1.508	1.210	34.687	27.779	44.993	27.758	44.6	30.086	90.3	1519.3	74593.4	.0
3850.0	3791.9	1.509	1.206	34.688	27.781	45.211	27.759	44.7	30.309	90.2	1520.1	76067.1	-.8
3900.0	3840.7	1.511	1.202	34.689	27.782	45.429	27.760	44.8	30.533	90.2	1521.0	77551.4	-1.1
3950.0	3889.5	1.512	1.197	34.689	27.782	45.646	27.760	44.9	30.757	90.2	1521.9	79046.3	.7
4000.0	3938.2	1.513	1.193	34.690	27.783	45.863	27.760	45.0	30.982	90.3	1522.7	80551.9	-.7
4050.0	3987.0	1.516	1.191	34.690	27.783	46.079	27.760	45.2	31.207	90.3	1523.6	82068.0	-1.5
4100.0	4035.8	1.519	1.189	34.690	27.784	46.295	27.760	45.4	31.434	90.2	1524.5	83594.9	.0
4150.0	4084.5	1.523	1.186	34.690	27.784	46.511	27.760	45.5	31.661	90.2	1525.4	85132.5	.9
4200.0	4133.2	1.524	1.182	34.691	27.785	46.727	27.760	45.6	31.889	90.2	1526.2	86680.9	-.5
4250.0	4181.9	1.527	1.179	34.691	27.785	46.943	27.760	45.8	32.118	90.2	1527.1	88240.0	1.9
4300.0	4230.6	1.532	1.178	34.691	27.785	47.157	27.760	46.0	32.347	90.2	1528.0	89810.0	-.1
4350.0	4279.3	1.534	1.175	34.692	27.786	47.373	27.760	46.1	32.578	90.2	1528.9	91390.8	.2
4400.0	4328.0	1.538	1.173	34.692	27.786	47.587	27.760	46.3	32.809	90.2	1529.7	92982.5	-1.8
4440.0	4367.0	1.541	1.172	34.692	27.786	47.758	27.760	46.5	32.995	90.1	1530.5	94263.8	.0

Station 54 Latitude 32° 12.13'N Longitude 127° 17.09'W 28 Aug 1989 GMT 12:46 Bottom 3200 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.003	19.003	33.465	23.849	23.849	23.849	404.5	.000	90.0	1517.5	.0	.0
10.0	10.0	19.004	19.002	33.464	23.848	23.891	23.847	404.9	.405	90.0	1517.7	2.0	-.2
20.0	19.9	19.008	19.005	33.464	23.848	23.935	23.847	405.3	.810	89.9	1517.9	8.1	1.4
30.0	29.9	19.012	19.006	33.464	23.847	23.978	23.846	405.7	1.215	89.9	1518.1	18.2	-.9
40.0	39.9	19.011	19.004	33.464	23.847	24.021	23.846	406.0	1.621	89.9	1518.2	32.3	-.9
50.0	49.8	18.763	18.754	33.464	23.910	24.128	23.908	400.3	2.024	90.0	1517.7	50.5	27.2
60.0	59.8	18.383	18.372	33.459	24.002	24.263	23.999	392.0	2.421	89.8	1516.7	72.6	351.2
70.0	69.8	17.096	17.084	33.777	24.556	24.862	24.554	339.4	2.782	89.9	1513.5	98.6	152.8
80.0	79.7	15.738	15.726	33.524	24.675	25.027	24.672	328.2	3.117	90.0	1509.2	128.0	162.3
90.0	89.7	15.523	15.509	33.592	24.775	25.172	24.773	318.9	3.439	90.1	1508.8	160.6	46.3
100.0	99.7	14.397	14.383	33.418	24.885	25.327	24.882	308.6	3.753	90.1	1505.1	196.5	89.1
110.0	109.6	14.034	14.018	33.405	24.951	25.439	24.948	302.5	4.058	90.1	1504.1	235.3	47.5
120.0	119.6	13.111	13.094	33.282	25.044	25.578	25.041	293.8	4.356	90.2	1501.0	277.2	120.2
130.0	129.5	12.390	12.373	33.256	25.165	25.745	25.162	282.4	4.644	90.4	1498.7	322.0	49.2
140.0	139.5	12.313	12.295	33.346	25.249	25.874	25.246	274.6	4.924	90.5	1498.7	369.7	123.3
150.0	149.4	11.598	11.579	33.372	25.403	26.075	25.400	260.0	5.192	90.6	1496.5	420.0	167.7
160.0	159.4	11.362	11.343	33.410	25.477	26.193	25.473	253.2	5.448	90.7	1495.8	472.9	7.5
170.0	169.3	11.092	11.072	33.431	25.541	26.304	25.538	247.2	5.698	90.7	1495.1	528.4	7.1
180.0	179.3	11.000	10.978	33.484	25.600	26.407	25.596	241.9	5.943	90.7	1495.0	586.3	176.7
190.0	189.2	10.762	10.739	33.566	25.705	26.558	25.701	232.1	6.177	90.8	1494.4	646.5	35.5
200.0	199.2	10.244	10.221	33.615	25.833	26.733	25.829	219.9	6.404	90.8	1492.8	709.1	144.3
210.0	209.1	9.701	9.677	33.679	25.974	26.922	25.971	206.5	6.615	90.7	1491.0	773.8	91.2
220.0	219.0	9.311	9.287	33.743	26.088	27.082	26.084	195.8	6.815	90.7	1489.8	840.6	16.2
230.0	229.0	9.110	9.086	33.784	26.153	27.193	26.149	189.7	7.008	90.8	1489.3	909.3	38.7
240.0	238.9	8.982	8.957	33.812	26.195	27.281	26.191	185.9	7.196	90.7	1489.0	979.9	96.1
250.0	248.9	8.752	8.726	33.861	26.269	27.402	26.265	178.9	7.380	90.7	1488.4	1052.3	91.1
260.0	258.8	8.540	8.513	33.914	26.344	27.523	26.340	171.9	7.555	90.6	1487.8	1126.5	60.9
270.0	268.7	8.442	8.414	33.930	26.372	27.596	26.368	169.4	7.726	90.6	1487.6	1202.4	16.1
280.0	278.7	8.312	8.283	33.954	26.410	27.681	26.406	165.9	7.893	90.6	1487.3	1280.0	45.9
290.0	288.6	8.118	8.089	33.980	26.460	27.777	26.456	161.3	8.057	90.6	1486.8	1359.2	28.0
300.0	298.5	7.975	7.945	33.992	26.490	27.854	26.486	158.5	8.217	90.6	1486.4	1440.0	18.4
310.0	308.5	7.832	7.801	33.999	26.517	27.926	26.513	156.1	8.375	90.7	1486.0	1522.4	26.2
320.0	318.4	7.727	7.696	34.003	26.535	27.991	26.531	154.4	8.530	90.6	1485.8	1606.4	28.6
330.0	328.3	7.416	7.384	34.004	26.581	28.084	26.576	150.0	8.682	90.6	1484.7	1691.8	30.3
340.0	338.3	7.261	7.229	34.002	26.601	28.151	26.597	148.2	8.831	90.6	1484.3	1778.8	14.1
350.0	348.2	7.139	7.106	34.011	26.625	28.221	26.620	146.0	8.978	90.6	1484.0	1867.2	37.3
360.0	358.1	7.044	7.010	34.019	26.645	28.287	26.640	144.2	9.123	90.6	1483.8	1957.0	10.0
370.0	368.0	6.783	6.749	34.018	26.679	28.369	26.674	140.9	9.266	90.5	1482.9	2048.3	27.8
380.0	378.0	6.635	6.601	34.016	26.697	28.435	26.693	139.2	9.406	90.5	1482.5	2141.0	22.5
390.0	387.9	6.483	6.449	34.011	26.714	28.498	26.709	137.7	9.544	90.6	1482.1	2235.0	21.6
400.0	397.8	6.408	6.372	34.007	26.721	28.551	26.716	137.1	9.681	90.6	1481.9	2330.4	15.5
410.0	407.7	6.251	6.215	34.015	26.747	28.625	26.742	134.6	9.817	90.5	1481.5	2427.2	20.1
420.0	417.7	6.176	6.139	34.017	26.758	28.682	26.754	133.6	9.951	90.5	1481.3	2525.3	8.7
430.0	427.6	6.063	6.025	34.023	26.777	28.748	26.773	131.8	10.083	90.6	1481.0	2624.7	17.8
440.0	437.5	5.988	5.950	34.027	26.790	28.807	26.785	130.7	10.215	90.5	1480.9	2725.4	10.1
450.0	447.4	5.894	5.856	34.032	26.806	28.869	26.801	129.3	10.345	90.5	1480.7	2827.4	18.6
460.0	457.4	5.801	5.762	34.038	26.822	28.932	26.817	127.7	10.473	90.5	1480.5	2930.7	29.7
470.0	467.3	5.678	5.639	34.047	26.844	29.002	26.840	125.6	10.600	90.5	1480.2	3035.2	12.7
480.0	477.2	5.556	5.516	34.056	26.867	29.071	26.862	123.5	10.724	90.5	1479.9	3141.0	24.7
490.0	487.1	5.492	5.451	34.061	26.878	29.129	26.873	122.5	10.847	90.5	1479.8	3248.0	28.8
500.0	497.0	5.329	5.288	34.070	26.905	29.203	26.900	119.9	10.968	90.5	1479.3	3356.2	21.5
510.0	507.0	5.239	5.198	34.081	26.924	29.269	26.919	118.1	11.087	90.5	1479.1	3465.5	13.5
520.0	516.9	5.165	5.123	34.089	26.939	29.331	26.934	116.8	11.205	90.5	1479.0	3576.1	10.6
530.0	526.8	5.110	5.067	34.095	26.950	29.389	26.945	115.7	11.321	90.5	1478.9	3687.8	24.9
540.0	536.7	5.034	4.991	34.105	26.967	29.452	26.962	114.1	11.436	90.5	1478.8	3800.6	22.9
550.0	546.6	4.953	4.909	34.120	26.988	29.520	26.983	112.2	11.549	90.5	1478.6	3914.6	10.0
560.0	556.5	4.906	4.862	34.127	26.998	29.577	26.993	111.2	11.661	90.5	1478.6	4029.6	11.2
570.0	566.4	4.855	4.810	34.139	27.014	29.639	27.009	109.8	11.771	90.6	1478.6	4145.8	15.3
580.0	576.4	4.772	4.727	34.153	27.034	29.706	27.029	107.9	11.880	90.5	1478.4	4263.0	13.5
590.0	586.3	4.713	4.667	34.165	27.051	29.770	27.046	106.4	11.988	90.6	1478.3	4381.3	14.4
600.0	596.2	4.692	4.645	34.171	27.058	29.822	27.052	105.8	12.094	90.5	1478.4	4500.7	7.3
610.0	606.1	4.675	4.628	34.175	27.064	29.874	27.058	105.4	12.199	90.6	1478.5	4621.1	10.6
620.0	616.0	4.633	4.585	34.188	27.078	29.935	27.073	104.0	12.304	90.5	1478.5	4742.5	8.2
630.0	625.9	4.610	4.562	34.201	27.091	29.994	27.086	102.9	12.407	90.5	1478.6	4865.0	9.1
640.0	635.8	4.578	4.529	34.213	27.104	30.054	27.099	101.7	12.510	90.5	1478.7	4988.4	15.6
650.0	645.7	4.540	4.490	34.224	27.117	30.113	27.112	100.5	12.611	90.5	1478.7	5112.9	9.4
660.0	655.7	4.515	4.464	34.234	27.128	30.169	27.122	99.6	12.711	90.5	1478.8	5238.4	12.3
670.0	665.6	4.482	4.430	34.244	27.140	30.228	27.134	98.5	12.810	90.5	1478.8	5364.8	10.3
680.0	675.5	4.450	4.398	34.253	27.150	30.284	27.144	97.6	12.908	90.5	1478.9	5492.2	13.8
690.0	685.4	4.413	4.360	34.265	27.164	30.345	27.159	96.3	13.005	90.4	1478.9	5620.6	16.2
700.0	695.3	4.390	4.336	34.277	27.176	30.403	27.170	95.3	13.101	90.5	1479.0	5749.9	10.9
710.0	705.2	4.402	4.348	34.291	27.186	30.458	27.180	94.5	13.195	90.5	1479.2	5880.1	.1
720.0	715.1	4.488	4.433	34.319	27.199	30.515	27.193	93.5	13.289	90.5	1479.8	6011.3	15.3
730.0	725.0	4.530	4.473	34.340	27.211	30.572	27.205	92.6	13.382	90.5	1480.1	6143.4	16.5
740.0	734.9	4.440	4.383	34.343	27.223	30.631	27.217	91.4	13.474	90.4	1479.9	6276.4	16.5
750.0	744.8	4.391	4.333	34.349	27.233	30.688	27.227	90.5	13.565	90.4	1479.9	6410.3	8.0
760.0	754.7	4.327	4.269	34.350	27.241	30.743	27.235	89.7	13.655	90.5	1479.8	6545.1	.7
770.0	764.6	4.350	4.291	34.363	27.249	30.796	27.243	89.1	13.745	90.5	1480.1	6680.8	10.4
780.0	774.5	4.289	4.229	34.370	27.261	30.855	27.255	87.9	13.833	90.4	1480.0	6817.3	5.7
790.0	784.4	4.272	4.212	34.375	27.267	30.907	27.261	87.4	13.921	90.4	1480.1	6954.7	3.1
800.0	794.3	4.291	4.230	34.387	27.274	30.960	27.268	86.9	14.008	90.4	1480.3	7093.0	15.4
810.0	804.2	4.269	4.207	34.395	27.283	31.014	27.277	86.1	14.094	90.4	1480.4	7232.1	3.1
820.0	814.1	4.273	4.211	34.399	27.286	31.062	27.279	86.0	14.181	90.4	1480.6	7372.1	6.3
830.0	824.0	4.200	4.137	34.404	27.298	31.122	27.291	84.9	14.266	90.4	1480.5	7512.9	5.4
840.0	833.9	4.151	4.088	34.406	27.304	31.175	27.298	84.2	14.351	90.5	1480.4	7654.5	3.1
850.0	843.8	4.130	4.066	34.416	27.315	31.231	27.308	83.3	14.434	90.5	1480.5	7797.0	4.8
860.0	853.7	4.125	4.060	34.426	27.323	31.285	27.316	82.6	14.517	90.4	1480.7	7940.3	8.1
870.0	863.6	4.099	4.033	34.432	27.331	31.339	27.324	82.0	14.600	90.4	1480.7	8084.3	13.9
880.0	873.5	4.047	3.981	34.438	27.341	31.396	27.334	81.0	14.681	90.4	1480.7	8229.2	12.8
890.0	883.4	4.022	3.955	34.443	27.348	31.449	27.341	80.4	14.762	90.4	1480.8	8374.9	1.9
900.0	893.3	3.984	3.917	34.445	27.353	31.501	27.346	79.9	14.842	90.4	1480.8	8521.4	8.1
910.0	903.2	3.948	3.880	34.448	27.359	31.553	27.352	79.3	14.921	90.4	1480.8	8668.7	4.3
920.0	913.1	3.915	3.846	34.448	27.363	31.604	27.356	79.0	15.001	90.4	1480.8	8816.7	8.4
930.0	923.0	3.918	3.848	34.455	27.368	31.655	27.361	78.6	15.079	90.4	1481.0	8965.5	3.1
940.0	932.9	3.886	3.816	34.458	27.374	31.707	27.367	78.1	15.158	90.4	1481.0	9115.1	1.4
950.0	942.8	3.868	3.797	34.460	27.377	31.756	27.370	77.8	15.236	90.4	1481.1	9265.4	9.0
960.0	952.7	3.849	3.778	34.465	27.383	31.808	27.376	77.3	15.313	90.5	1481.2	9416.5	-1.0
970.0	962.5	3.827	3.755	34.464	27.385	31.856	27.378	77.2	15.391	90.4	1481.3	9568.4	6.1
980.0	972.4	3.790	3.718	34.465	27.389	31.907	27.382	76.8	15.467	90.4	1481.3	9721.0	6.1
990.0	982.3	3.754	3.681	34.469	27.396	31.960	27.389	76.1	15.544	90.4	1481.3	9874.4	.2

Station 54 Latitude 32° 12.13'N Longitude 127° 17.09'W 28 Aug 1989 GMT 12:46 Bottom 3200 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.758	3.684	34.471	27.397	32.007	27.390	76.1	15.620	90.4	1481.5	10028.5	5.2
1020.0	1012.0	3.700	3.625	34.473	27.405	32.107	27.397	75.5	15.772	90.4	1481.6	10339.0	3.4
1040.0	1031.8	3.692	3.615	34.482	27.413	32.207	27.406	74.8	15.922	90.4	1481.9	10652.4	5.8
1060.0	1051.6	3.636	3.558	34.488	27.424	32.310	27.416	73.9	16.071	90.4	1482.0	10968.7	5.2
1080.0	1071.3	3.583	3.504	34.496	27.435	32.414	27.427	72.8	16.218	90.4	1482.1	11288.0	1.4
1100.0	1091.1	3.537	3.457	34.500	27.443	32.514	27.435	72.1	16.363	90.4	1482.3	11610.1	.8
1120.0	1110.9	3.487	3.405	34.504	27.451	32.615	27.443	71.4	16.506	90.4	1482.4	11935.0	3.2
1140.0	1130.6	3.455	3.372	34.511	27.460	32.715	27.452	70.7	16.648	90.4	1482.6	12262.7	7.0
1160.0	1150.4	3.419	3.335	34.514	27.466	32.814	27.458	70.1	16.789	90.3	1482.8	12593.1	1.5
1180.0	1170.2	3.388	3.302	34.519	27.473	32.913	27.465	69.6	16.929	90.4	1483.0	12926.3	3.2
1200.0	1189.9	3.345	3.258	34.524	27.481	33.013	27.472	68.9	17.067	90.4	1483.1	13262.2	6.5
1220.0	1209.7	3.305	3.217	34.527	27.487	33.112	27.479	68.3	17.205	90.4	1483.3	13600.8	5.0
1240.0	1229.4	3.273	3.184	34.529	27.492	33.208	27.484	67.9	17.341	90.3	1483.5	13942.1	2.7
1260.0	1249.2	3.232	3.141	34.532	27.499	33.307	27.490	67.3	17.476	90.4	1483.7	14286.0	6.5
1280.0	1269.0	3.177	3.085	34.538	27.508	33.409	27.500	66.4	17.610	90.4	1483.8	14632.6	6.5
1300.0	1288.7	3.114	3.021	34.540	27.516	33.511	27.508	65.6	17.742	90.4	1483.8	14981.7	3.6
1320.0	1308.5	3.083	2.989	34.543	27.521	33.607	27.513	65.2	17.873	90.4	1484.0	15333.4	3.3
1340.0	1328.2	3.054	2.959	34.547	27.527	33.705	27.518	64.7	18.003	90.4	1484.2	15687.6	8.3
1360.0	1348.0	3.019	2.922	34.549	27.532	33.803	27.524	64.2	18.132	90.4	1484.4	16044.4	3.6
1380.0	1367.7	2.975	2.877	34.553	27.540	33.902	27.531	63.6	18.260	90.3	1484.6	16403.7	2.1
1400.0	1387.4	2.934	2.835	34.557	27.546	34.001	27.537	63.0	18.386	90.4	1484.7	16765.4	.7
1420.0	1407.2	2.890	2.790	34.561	27.553	34.101	27.544	62.2	18.512	90.4	1484.9	17129.6	.4
1440.0	1426.9	2.848	2.747	34.563	27.559	34.199	27.550	61.7	18.636	90.3	1485.0	17496.2	9.5
1460.0	1446.7	2.804	2.702	34.567	27.566	34.298	27.557	61.1	18.759	90.3	1485.2	17865.2	1.0
1480.0	1466.4	2.785	2.681	34.568	27.569	34.393	27.560	60.8	18.881	90.3	1485.4	18236.6	.4
1500.0	1486.1	2.751	2.646	34.570	27.574	34.489	27.564	60.4	19.002	90.3	1485.6	18610.4	8.4
1520.0	1505.8	2.721	2.615	34.574	27.579	34.586	27.570	59.9	19.122	90.3	1485.8	18986.5	4.0
1540.0	1525.6	2.681	2.573	34.576	27.585	34.685	27.576	59.3	19.241	90.3	1486.0	19364.9	2.5
1560.0	1545.3	2.654	2.545	34.579	27.590	34.781	27.580	58.9	19.359	90.3	1486.2	19745.6	3.4
1580.0	1565.0	2.639	2.529	34.581	27.592	34.875	27.583	58.7	19.477	90.4	1486.5	20128.6	.8
1600.0	1584.8	2.609	2.497	34.583	27.596	34.971	27.587	58.4	19.594	90.4	1486.7	20513.9	5.2
1620.0	1604.5	2.587	2.474	34.584	27.600	35.066	27.590	58.1	19.710	90.4	1486.9	20901.5	.2
1640.0	1624.2	2.574	2.460	34.585	27.602	35.159	27.592	58.0	19.826	90.3	1487.2	21291.3	2.9
1660.0	1643.9	2.553	2.437	34.587	27.605	35.254	27.595	57.7	19.942	90.4	1487.5	21683.3	1.1
1680.0	1663.6	2.522	2.404	34.589	27.610	35.350	27.600	57.3	20.057	90.3	1487.7	22077.6	7.3
1700.0	1683.3	2.488	2.369	34.593	27.615	35.448	27.605	56.7	20.171	90.3	1487.9	22474.1	1.8
1720.0	1703.1	2.454	2.334	34.595	27.620	35.545	27.610	56.2	20.284	90.3	1488.0	22872.8	1.5
1740.0	1722.8	2.428	2.307	34.597	27.624	35.640	27.614	55.9	20.396	90.4	1488.3	23273.7	3.8
1760.0	1742.5	2.390	2.267	34.601	27.630	35.738	27.620	55.3	20.507	90.4	1488.4	23676.8	3.0
1780.0	1762.2	2.378	2.254	34.601	27.631	35.830	27.621	55.2	20.618	90.4	1488.7	24082.0	-.2
1800.0	1781.9	2.347	2.222	34.603	27.636	35.927	27.626	54.7	20.728	90.3	1488.9	24489.3	1.8
1820.0	1801.6	2.319	2.193	34.605	27.640	36.022	27.629	54.4	20.837	90.4	1489.1	24898.8	7.1
1840.0	1821.3	2.279	2.152	34.609	27.646	36.121	27.636	53.7	20.945	90.4	1489.3	25310.3	-.5
1860.0	1841.0	2.256	2.128	34.610	27.649	36.215	27.639	53.4	21.052	90.4	1489.5	25723.9	3.3
1880.0	1860.7	2.214	2.085	34.614	27.656	36.315	27.646	52.7	21.157	90.4	1489.7	26139.6	3.3
1900.0	1880.4	2.204	2.073	34.616	27.658	36.407	27.647	52.6	21.263	90.3	1490.0	26557.3	2.5
1920.0	1900.1	2.189	2.056	34.617	27.660	36.501	27.650	52.4	21.368	90.3	1490.3	26977.0	3.1
1940.0	1919.8	2.162	2.028	34.619	27.665	36.596	27.654	52.0	21.472	90.4	1490.5	27398.8	1.6
1960.0	1939.4	2.142	2.006	34.621	27.668	36.691	27.657	51.7	21.575	90.3	1490.7	27822.6	.5
1980.0	1959.1	2.127	1.990	34.623	27.670	36.784	27.659	51.5	21.679	90.3	1491.0	28248.3	3.7
2000.0	1978.8	2.103	1.965	34.625	27.674	36.879	27.663	51.1	21.781	90.3	1491.2	28676.1	.5
2050.0	2028.0	2.059	1.917	34.630	27.682	37.114	27.671	50.4	22.035	90.3	1491.9	29754.0	2.9
2100.0	2077.2	2.025	1.879	34.633	27.687	37.347	27.676	49.9	22.286	90.3	1492.6	30844.2	1.1
2150.0	2126.4	2.000	1.850	34.636	27.692	37.577	27.680	49.6	22.535	90.3	1493.3	31946.3	.0
2200.0	2175.6	1.967	1.814	34.639	27.697	37.809	27.685	49.2	22.782	90.3	1494.0	33060.4	1.5
2250.0	2224.7	1.934	1.777	34.642	27.702	38.040	27.690	48.8	23.027	90.3	1494.7	34186.4	1.6
2300.0	2273.9	1.903	1.742	34.645	27.707	38.271	27.695	48.4	23.270	90.3	1495.4	35324.0	1.6
2350.0	2323.0	1.871	1.706	34.648	27.712	38.502	27.700	47.9	23.510	90.3	1496.1	36473.2	.2
2400.0	2372.1	1.837	1.668	34.651	27.717	38.733	27.705	47.5	23.749	90.3	1496.8	37634.0	2.3
2450.0	2421.2	1.819	1.646	34.652	27.720	38.960	27.707	47.4	23.986	90.3	1497.6	38806.1	.0
2500.0	2470.3	1.792	1.615	34.655	27.725	39.189	27.711	47.0	24.221	90.4	1498.3	39989.6	3.8
2550.0	2519.4	1.765	1.584	34.657	27.729	39.419	27.716	46.6	24.455	90.4	1499.1	41184.3	-.5
2600.0	2568.5	1.748	1.563	34.658	27.731	39.645	27.718	46.5	24.688	90.3	1499.8	42390.3	2.7
2650.0	2617.6	1.717	1.528	34.661	27.736	39.875	27.722	46.0	24.919	90.3	1500.6	43607.3	1.9
2700.0	2666.6	1.695	1.502	34.661	27.739	40.101	27.724	45.9	25.149	90.3	1501.3	44835.3	.8
2750.0	2715.6	1.677	1.480	34.664	27.742	40.328	27.728	45.6	25.377	90.3	1502.1	46074.3	1.4
2800.0	2764.7	1.662	1.460	34.665	27.744	40.554	27.730	45.5	25.605	90.3	1502.9	47324.1	1.7
2850.0	2813.7	1.639	1.433	34.667	27.748	40.780	27.733	45.2	25.831	90.3	1503.6	48584.9	1.2
2900.0	2862.7	1.633	1.422	34.668	27.749	41.004	27.734	45.2	26.057	90.3	1504.4	49856.4	1.5
2950.0	2911.7	1.622	1.408	34.669	27.752	41.228	27.736	45.1	26.283	90.3	1505.2	51138.7	1.6
3000.0	2960.7	1.604	1.384	34.671	27.755	41.454	27.739	44.9	26.507	90.2	1506.0	52431.7	.2
3050.0	3009.7	1.589	1.365	34.673	27.757	41.679	27.741	44.7	26.731	90.3	1506.8	53735.4	.8
3100.0	3058.6	1.577	1.348	34.675	27.760	41.903	27.743	44.5	26.954	90.2	1507.6	55049.8	.5
3116.0	3074.3	1.574	1.344	34.675	27.760	41.974	27.744	44.5	27.026	90.3	1507.8	55472.7	.0

Station 55 Latitude 32° 16.15'N Longitude 127° 15.05'W 28 Aug 1989 GMT 14:54 Bottom 1060 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.020	19.020	33.468	23.847	23.847	23.847	404.7	.000	90.0	1517.6	.0	.0
10.0	10.0	19.020	19.018	33.468	23.847	23.890	23.847	405.0	.405	90.0	1517.8	2.0	.7
20.0	19.9	19.020	19.016	33.468	23.847	23.934	23.847	405.3	.810	90.0	1517.9	8.1	.8
30.0	29.9	19.021	19.016	33.468	23.848	23.978	23.847	405.6	1.215	90.0	1518.1	18.2	-.5
40.0	39.9	19.027	19.020	33.468	23.847	24.021	23.845	406.1	1.621	90.0	1518.3	32.3	2.3
50.0	49.8	18.812	18.803	33.463	23.898	24.115	23.895	401.6	2.027	89.8	1517.8	50.5	151.0
60.0	59.8	18.679	18.669	33.461	23.930	24.191	23.927	398.9	2.427	90.0	1517.6	72.7	23.3
70.0	69.8	18.166	18.154	33.597	24.161	24.466	24.158	377.1	2.820	89.9	1516.4	98.9	592.5
80.0	79.8	16.972	16.959	33.770	24.581	24.931	24.577	337.4	3.174	90.0	1513.3	128.8	200.3
90.0	89.7	15.383	15.370	33.528	24.757	25.154	24.754	320.6	3.503	90.1	1508.3	162.0	203.5
100.0	99.7	14.554	14.539	33.444	24.872	25.314	24.869	309.9	3.818	90.1	1505.7	198.5	74.2
110.0	109.6	13.958	13.942	33.389	24.955	25.442	24.951	302.2	4.124	90.1	1503.8	238.0	113.6
120.0	119.6	13.354	13.337	33.377	25.069	25.602	25.065	291.5	4.421	90.2	1502.0	280.6	77.8
130.0	129.5	12.825	12.808	33.352	25.154	25.733	25.151	283.5	4.708	90.4	1500.3	326.0	79.2
140.0	139.5	12.356	12.338	33.396	25.280	25.904	25.277	271.7	4.986	90.6	1499.0	374.2	122.4
150.0	149.4	11.702	11.683	33.374	25.385	26.057	25.382	261.7	5.252	90.7	1496.8	425.2	63.5
160.0	159.4	11.165	11.145	33.438	25.534	26.251	25.530	247.7	5.506	90.8	1495.2	478.7	40.8
170.0	169.3	10.819	10.799	33.472	25.622	26.385	25.618	239.5	5.751	90.7	1494.2	534.7	111.3
180.0	179.3	10.468	10.447	33.527	25.726	26.536	25.723	229.7	5.987	90.7	1493.1	593.1	116.3
190.0	189.2	10.161	10.139	33.600	25.836	26.691	25.832	219.4	6.212	90.8	1492.3	653.7	127.0
200.0	199.2	9.736	9.713	33.671	25.962	26.865	25.959	207.5	6.426	90.8	1491.0	716.6	134.3
210.0	209.1	9.279	9.256	33.763	26.109	27.059	26.106	193.6	6.627	90.8	1489.6	781.5	146.5
220.0	219.0	9.071	9.048	33.813	26.181	27.176	26.177	186.9	6.817	90.7	1489.0	848.3	123.0
230.0	229.0	8.872	8.847	33.851	26.243	27.284	26.239	181.1	7.001	90.8	1488.5	916.9	45.7
240.0	238.9	8.640	8.615	33.891	26.310	27.398	26.306	174.8	7.179	90.7	1487.8	987.4	37.8
250.0	248.9	8.444	8.418	33.935	26.375	27.509	26.371	168.8	7.351	90.7	1487.3	1059.6	48.9
260.0	258.8	8.349	8.322	33.949	26.401	27.581	26.397	166.5	7.519	90.7	1487.1	1133.5	63.5
270.0	268.7	8.200	8.172	33.969	26.439	27.665	26.435	163.0	7.683	90.6	1486.7	1209.0	24.2
280.0	278.7	8.164	8.136	33.973	26.447	27.719	26.443	162.3	7.846	90.7	1486.8	1286.1	35.1
290.0	288.6	8.006	7.977	33.987	26.482	27.800	26.478	159.1	8.007	90.7	1486.3	1364.8	42.7
300.0	298.5	7.848	7.818	33.997	26.513	27.877	26.509	156.3	8.164	90.6	1485.9	1445.1	9.8
310.0	308.5	7.746	7.715	34.000	26.531	27.941	26.526	154.7	8.320	90.6	1485.7	1527.0	36.8
320.0	318.4	7.644	7.613	34.005	26.549	28.005	26.545	153.0	8.474	90.7	1485.5	1610.4	15.4
330.0	328.3	7.459	7.428	34.007	26.578	28.080	26.573	150.4	8.625	90.7	1484.9	1695.3	46.7
340.0	338.2	7.262	7.229	34.014	26.610	28.160	26.606	147.3	8.774	90.6	1484.3	1781.7	37.3
350.0	348.2	7.127	7.094	34.014	26.629	28.225	26.624	145.6	8.921	90.6	1484.0	1869.5	28.5
360.0	358.1	6.976	6.943	34.014	26.650	28.293	26.645	143.7	9.065	90.6	1483.5	1958.8	19.4
370.0	368.0	6.875	6.841	34.025	26.672	28.362	26.668	141.6	9.208	90.6	1483.3	2049.5	12.3
380.0	378.0	6.791	6.756	34.032	26.690	28.425	26.685	140.1	9.349	90.5	1483.1	2141.6	24.3
390.0	387.9	6.531	6.496	34.022	26.716	28.500	26.712	137.5	9.488	90.5	1482.3	2235.1	10.5
400.0	397.8	6.473	6.438	34.035	26.734	28.563	26.729	135.9	9.624	90.6	1482.2	2329.9	19.0
410.0	407.7	6.299	6.263	34.034	26.756	28.633	26.751	133.8	9.759	90.5	1481.7	2426.1	11.6
420.0	417.6	6.141	6.105	34.028	26.771	28.696	26.767	132.3	9.892	90.5	1481.2	2523.6	25.1
430.0	427.6	6.041	6.004	34.037	26.791	28.762	26.787	130.5	10.023	90.5	1481.0	2622.4	24.5
440.0	437.5	5.937	5.899	34.034	26.802	28.820	26.798	129.5	10.153	90.5	1480.7	2722.5	4.8
450.0	447.4	5.859	5.821	34.041	26.818	28.882	26.813	128.1	10.282	90.5	1480.6	2823.9	22.7
460.0	457.3	5.778	5.739	34.039	26.826	28.937	26.822	127.3	10.410	90.6	1480.4	2926.6	22.4
470.0	467.3	5.704	5.664	34.052	26.845	29.002	26.841	125.6	10.536	90.6	1480.3	3030.5	15.9
480.0	477.2	5.595	5.555	34.065	26.869	29.073	26.864	123.4	10.660	90.6	1480.0	3135.6	22.1
490.0	487.1	5.509	5.469	34.068	26.881	29.132	26.876	122.2	10.783	90.6	1479.8	3241.9	8.0
500.0	497.0	5.470	5.428	34.071	26.889	29.186	26.884	121.6	10.905	90.6	1479.9	3349.5	4.2
510.0	506.9	5.367	5.325	34.072	26.902	29.246	26.897	120.4	11.026	90.6	1479.6	3458.3	27.6
520.0	516.9	5.286	5.243	34.079	26.917	29.307	26.912	119.0	11.146	90.6	1479.4	3568.2	18.2
530.0	526.8	5.175	5.132	34.087	26.937	29.375	26.932	117.1	11.264	90.5	1479.2	3679.3	25.3
540.0	536.7	5.104	5.061	34.097	26.952	29.437	26.947	115.6	11.380	90.5	1479.1	3791.6	8.3
550.0	546.6	5.029	4.985	34.108	26.969	29.501	26.965	114.0	11.494	90.6	1478.9	3905.0	17.6
560.0	556.5	4.931	4.886	34.123	26.993	29.571	26.988	111.8	11.607	90.6	1478.7	4019.5	20.5
570.0	566.4	4.866	4.821	34.137	27.011	29.636	27.006	110.1	11.718	90.6	1478.6	4135.2	8.8
580.0	576.3	4.828	4.783	34.155	27.030	29.701	27.025	108.4	11.827	90.5	1478.6	4251.9	7.9
590.0	586.3	4.777	4.731	34.165	27.044	29.761	27.039	107.1	11.936	90.5	1478.6	4369.7	27.3
600.0	596.2	4.714	4.667	34.176	27.060	29.824	27.055	105.7	12.042	90.6	1478.5	4488.5	10.3
610.0	606.1	4.669	4.621	34.186	27.072	29.883	27.067	104.5	12.147	90.5	1478.5	4608.4	15.6
620.0	616.0	4.657	4.609	34.193	27.079	29.935	27.074	104.0	12.251	90.5	1478.6	4729.3	7.9
630.0	625.9	4.608	4.560	34.210	27.099	30.002	27.093	102.2	12.354	90.6	1478.6	4851.2	1.5
640.0	635.8	4.555	4.505	34.225	27.117	30.066	27.111	100.5	12.456	90.5	1478.6	4974.2	2.4
650.0	645.7	4.496	4.446	34.240	27.135	30.131	27.129	98.8	12.556	90.6	1478.5	5098.1	7.4
660.0	655.6	4.487	4.437	34.242	27.137	30.179	27.132	98.7	12.654	90.6	1478.7	5223.0	3.8
670.0	665.5	4.448	4.397	34.253	27.150	30.239	27.145	97.5	12.752	90.5	1478.7	5348.9	16.1
680.0	675.5	4.418	4.366	34.263	27.161	30.296	27.156	96.5	12.850	90.5	1478.7	5475.7	14.7
690.0	685.4	4.386	4.333	34.276	27.176	30.356	27.170	95.2	12.946	90.6	1478.8	5603.5	8.8
700.0	695.3	4.350	4.297	34.287	27.188	30.416	27.183	94.1	13.040	90.5	1478.8	5732.2	8.5
710.0	705.2	4.303	4.249	34.300	27.203	30.477	27.198	92.7	13.134	90.6	1478.8	5861.8	4.1
720.0	715.1	4.279	4.224	34.313	27.216	30.537	27.211	91.5	13.226	90.5	1478.9	5992.4	7.4
730.0	725.0	4.373	4.318	34.339	27.227	30.591	27.221	90.8	13.317	90.6	1479.5	6123.8	26.7
740.0	734.9	4.334	4.277	34.339	27.232	30.642	27.226	90.4	13.408	90.5	1479.5	6256.2	-.5
750.0	744.8	4.425	4.367	34.365	27.243	30.696	27.236	89.7	13.498	90.4	1480.0	6389.4	13.0
760.0	754.7	4.391	4.332	34.379	27.257	30.757	27.251	88.3	13.586	90.5	1480.1	6523.5	17.7
770.0	764.6	4.325	4.266	34.388	27.271	30.819	27.265	86.9	13.674	90.4	1480.0	6658.5	14.5
780.0	774.5	4.288	4.229	34.390	27.277	30.871	27.271	86.4	13.761	90.4	1480.0	6794.3	7.7
790.0	784.4	4.297	4.236	34.395	27.280	30.920	27.274	86.3	13.847	90.5	1480.2	6931.0	8.0
800.0	794.3	4.237	4.176	34.399	27.289	30.976	27.283	85.4	13.933	90.5	1480.1	7068.5	2.5
810.0	804.2	4.181	4.120	34.401	27.297	31.030	27.291	84.7	14.018	90.5	1480.1	7206.9	5.1
820.0	814.1	4.172	4.110	34.402	27.300	31.078	27.293	84.6	14.103	90.6	1480.2	7346.1	5.4
830.0	824.0	4.140	4.078	34.408	27.307	31.132	27.301	83.8	14.187	90.5	1480.2	7486.1	3.9
840.0	833.9	4.135	4.071	34.412	27.311	31.181	27.304	83.6	14.271	90.5	1480.4	7627.0	9.8
850.0	843.8	4.080	4.016	34.414	27.318	31.236	27.312	82.9	14.354	90.4	1480.3	7768.6	1.6
860.0	853.7	4.085	4.020	34.421	27.323	31.286	27.316	82.5	14.436	90.5	1480.5	7911.1	1.6
870.0	863.6	4.057	3.992	34.421	27.326	31.335	27.319	82.3	14.519	90.5	1480.6	8054.4	1.0
880.0	873.5	4.106	4.039	34.434	27.332	31.386	27.325	82.0	14.601	90.5	1480.9	8198.5	10.4
890.0	883.4	4.086	4.019	34.437	27.336	31.436	27.330	81.6	14.683	90.4	1481.0	8343.4	7.5
900.0	893.3	4.043	3.975	34.444	27.347	31.493	27.340	80.6	14.764	90.5	1481.0	8489.1	11.6
910.0	903.2	4.018	3.950	34.447	27.351	31.544	27.344	80.2	14.844	90.5	1481.1	8635.6	5.2
920.0	913.1	4.009	3.940	34.448	27.353	31.592	27.346	80.1	14.925	90.5	1481.2	8782.9	.5
930.0	923.0	3.979	3.909	34.449	27.357	31.642	27.350	79.8	15.005	90.5	1481.3	8931.0	16.0
940.0	932.9	3.970	3.899	34.454	27.362	31.693	27.355	79.4	15.084	90.4	1481.4	9079.8	1.1
950.0	942.8	3.950	3.878	34.456	27.366	31.743	27.359	79.1	15.163	90.4	1481.5	9229.4	2.0
960.0	952.7	3.895	3.824	34.461	27.376	31.799	27.368	78.1	15.242	90.4	1481.4	9379.8	6.4
970.0	962.5	3.862	3.790	34.463	27.380	31.851	27.373	77.7	15.320	90.4	1481.4	9531.0	9.0
980.0	972.4	3.825	3.752	34.465	27.386	31.903	27.379	77.1	15.397	90.4	1481.5	9682.9	14.6
990.0	982.3	3.790	3.717	34.472	27.395	31.958	27.387	76.4	15.474	90.4	1481.5	9835.6	5.5

Station 55 Latitude 32° 16.15'N Longitude 127° 15.05'W 28 Aug 1989 GMT 14:54 Bottom 1060 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
1000.0	992.2	3.777	3.703	34.473	27.397	32.006	27.389	76.2	15.550	90.5	1481.6	9989.0	-1.5
1020.0	1012.0	3.766	3.690	34.474	27.399	32.100	27.392	76.1	15.703	90.4	1481.9	10298.1	4.3
1040.0	1031.8	3.680	3.603	34.486	27.417	32.211	27.409	74.4	15.853	90.4	1481.9	10610.2	9.6
1044.0	1035.7	3.678	3.601	34.485	27.417	32.229	27.409	74.5	15.883	90.5	1481.9	10672.9	.0

Station 56 Latitude 32° 20.09'N Longitude 127° 12.47'W 28 Aug 1989 GMT 16:12 Bottom 3125 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.013	19.013	33.466	23.847	23.847	23.847	404.7	.000	90.1	1517.6	.0	.0
10.0	10.0	19.014	19.013	33.465	23.847	23.890	23.846	405.0	.405	90.1	1517.7	2.0	-3.6
20.0	19.9	19.020	19.017	33.465	23.845	23.932	23.844	405.5	.810	90.1	1517.9	8.1	-.6
30.0	29.9	19.022	19.017	33.465	23.845	23.975	23.844	405.9	1.216	90.1	1518.1	18.2	.4
40.0	39.9	19.020	19.013	33.465	23.846	24.020	23.844	406.1	1.622	90.1	1518.2	32.3	.5
50.0	49.8	19.022	19.013	33.465	23.847	24.064	23.844	406.5	2.028	90.1	1518.4	50.5	14.6
60.0	59.8	18.797	18.787	33.485	23.918	24.179	23.916	400.0	2.432	90.1	1518.0	72.7	69.0
70.0	69.8	18.346	18.334	33.462	24.014	24.318	24.011	391.2	2.828	90.0	1516.8	99.0	100.0
80.0	79.8	15.859	15.847	33.379	24.536	24.888	24.534	341.4	3.193	89.9	1509.4	129.0	310.4
90.0	89.7	15.289	15.275	33.432	24.704	25.101	24.701	325.7	3.524	90.1	1507.8	162.5	40.1
100.0	99.7	15.210	15.194	33.579	24.835	25.275	24.831	313.6	3.843	90.1	1507.9	199.2	119.7
110.0	109.6	14.638	14.621	33.575	24.956	25.441	24.952	302.2	4.151	90.2	1506.3	239.0	142.2
120.0	119.6	12.979	12.963	33.282	25.070	25.604	25.067	291.3	4.446	90.4	1500.6	281.8	36.4
130.0	129.5	13.202	13.184	33.424	25.136	25.714	25.133	285.3	4.735	90.5	1501.7	327.5	108.8
140.0	139.5	12.781	12.763	33.423	25.218	25.842	25.215	277.7	5.016	90.6	1500.4	376.0	88.0
150.0	149.4	12.465	12.446	33.426	25.283	25.951	25.279	271.7	5.290	90.6	1499.5	427.3	79.1
160.0	159.4	11.870	11.850	33.423	25.393	26.108	25.389	261.3	5.557	90.7	1497.6	481.3	123.0
170.0	169.3	11.237	11.216	33.396	25.489	26.251	25.485	252.3	5.813	90.8	1495.5	537.8	55.8
180.0	179.3	10.866	10.844	33.504	25.639	26.447	25.635	238.1	6.059	90.8	1494.5	596.9	147.7
190.0	189.2	10.502	10.480	33.558	25.745	26.599	25.741	228.2	6.292	90.9	1493.4	658.3	149.4
200.0	199.2	10.021	9.998	33.624	25.878	26.779	25.875	215.5	6.513	90.9	1492.0	722.0	43.0
210.0	209.1	9.739	9.715	33.675	25.965	26.913	25.962	207.4	6.726	90.9	1491.1	787.8	35.3
220.0	219.1	9.351	9.326	33.740	26.080	27.074	26.076	196.6	6.928	90.9	1490.0	855.6	12.7
230.0	229.0	9.034	9.010	33.796	26.174	27.215	26.170	187.7	7.120	90.8	1489.0	925.5	148.5
240.0	238.9	8.778	8.753	33.856	26.262	27.349	26.258	179.5	7.303	90.8	1488.3	997.1	60.9
250.0	248.9	8.582	8.555	33.902	26.328	27.461	26.324	173.3	7.479	90.8	1487.8	1070.6	32.5
260.0	258.8	8.442	8.415	33.931	26.373	27.552	26.368	169.2	7.651	90.8	1487.4	1145.7	38.6
270.0	268.7	8.300	8.272	33.957	26.414	27.639	26.410	165.4	7.818	90.8	1487.1	1222.6	33.6
280.0	278.7	8.081	8.053	33.988	26.471	27.743	26.467	160.0	7.980	90.7	1486.5	1301.0	25.7
290.0	288.6	7.915	7.886	33.996	26.502	27.821	26.498	157.1	8.139	90.7	1486.0	1381.1	30.9
300.0	298.5	7.801	7.772	34.001	26.523	27.888	26.519	155.3	8.295	90.8	1485.7	1462.7	42.3
310.0	308.5	7.580	7.550	34.011	26.563	27.974	26.558	151.6	8.448	90.7	1485.1	1545.8	24.1
320.0	318.4	7.423	7.392	34.011	26.585	28.043	26.581	149.5	8.598	90.7	1484.6	1630.5	22.9
330.0	328.3	7.336	7.305	34.011	26.597	28.101	26.593	148.5	8.747	90.8	1484.4	1716.6	21.5
340.0	338.3	7.256	7.224	34.012	26.610	28.160	26.605	147.4	8.895	90.7	1484.3	1804.2	1.2
350.0	348.2	7.196	7.163	34.012	26.618	28.214	26.614	146.7	9.042	90.8	1484.2	1893.2	15.3
360.0	358.1	7.066	7.032	34.019	26.641	28.284	26.637	144.5	9.188	90.7	1483.9	1983.7	26.1
370.0	368.0	6.925	6.890	34.023	26.664	28.353	26.659	142.5	9.331	90.7	1483.5	2075.6	28.7
380.0	378.0	6.767	6.732	34.024	26.686	28.422	26.681	140.4	9.472	90.6	1483.0	2169.0	12.6
390.0	387.9	6.682	6.646	34.033	26.705	28.487	26.700	138.7	9.611	90.6	1482.9	2263.7	11.7
400.0	397.8	6.602	6.565	34.041	26.722	28.550	26.717	137.2	9.749	90.7	1482.7	2359.8	7.3
410.0	407.7	6.385	6.349	34.028	26.740	28.616	26.735	135.4	9.886	90.7	1482.0	2457.2	10.5
420.0	417.7	6.228	6.191	34.021	26.755	28.678	26.750	134.0	10.021	90.7	1481.5	2556.0	26.6
430.0	427.6	6.102	6.064	34.020	26.770	28.740	26.765	132.6	10.154	90.7	1481.2	2656.1	11.6
440.0	437.5	6.006	5.968	34.020	26.783	28.799	26.778	131.4	10.286	90.7	1481.0	2757.5	16.6
450.0	447.4	5.965	5.927	34.026	26.793	28.855	26.788	130.6	10.417	90.7	1481.0	2860.2	21.3
460.0	457.4	5.827	5.788	34.044	26.824	28.934	26.819	127.6	10.546	90.6	1480.6	2964.2	19.8
470.0	467.3	5.660	5.621	34.053	26.851	29.009	26.846	125.0	10.672	90.7	1480.1	3069.4	25.9
480.0	477.2	5.530	5.490	34.064	26.876	29.081	26.871	122.6	10.796	90.6	1479.8	3175.9	29.4
490.0	487.1	5.452	5.411	34.074	26.893	29.144	26.888	121.0	10.918	90.7	1479.6	3283.6	9.8
500.0	497.0	5.402	5.361	34.085	26.908	29.205	26.903	119.7	11.038	90.7	1479.6	3392.5	13.9
510.0	507.0	5.323	5.281	34.093	26.924	29.268	26.919	118.2	11.157	90.7	1479.5	3502.6	18.5
520.0	516.9	5.273	5.231	34.107	26.940	29.331	26.935	116.7	11.274	90.7	1479.4	3613.8	12.7
530.0	526.8	5.249	5.206	34.116	26.950	29.387	26.945	115.9	11.391	90.7	1479.5	3726.2	11.8
540.0	536.7	5.185	5.141	34.131	26.971	29.454	26.965	114.0	11.506	90.6	1479.4	3839.7	22.3
550.0	546.6	5.123	5.079	34.142	26.986	29.515	26.981	112.6	11.619	90.7	1479.4	3954.4	8.3
560.0	556.5	4.993	4.949	34.140	27.000	29.577	26.994	111.3	11.731	90.6	1479.0	4070.1	17.6
570.0	566.4	4.995	4.950	34.162	27.017	29.639	27.011	109.8	11.842	90.7	1479.2	4187.0	13.0
580.0	576.4	4.830	4.785	34.155	27.030	29.701	27.025	108.4	11.951	90.7	1478.7	4304.9	19.1
590.0	586.3	4.845	4.798	34.169	27.040	29.756	27.035	107.6	12.059	90.6	1478.9	4423.9	15.3
600.0	596.2	4.723	4.677	34.174	27.057	29.821	27.052	106.0	12.166	90.7	1478.6	4544.0	7.4
610.0	606.1	4.688	4.641	34.186	27.070	29.880	27.065	104.8	12.272	90.6	1478.6	4665.1	20.5
620.0	616.0	4.652	4.604	34.198	27.084	29.940	27.078	103.5	12.376	90.7	1478.6	4787.3	18.8
630.0	625.9	4.624	4.576	34.205	27.093	29.995	27.087	102.8	12.479	90.6	1478.7	4910.4	16.4
640.0	635.8	4.566	4.517	34.220	27.111	30.060	27.105	101.1	12.581	90.6	1478.6	5034.6	3.8
650.0	645.7	4.537	4.487	34.227	27.120	30.116	27.115	100.3	12.682	90.7	1478.7	5159.8	3.8
660.0	655.7	4.501	4.450	34.239	27.133	30.175	27.128	99.1	12.782	90.6	1478.7	5285.9	12.0
670.0	665.5	4.465	4.414	34.251	27.147	30.235	27.142	97.8	12.880	90.6	1478.7	5413.1	8.2
680.0	675.5	4.426	4.374	34.261	27.159	30.294	27.154	96.7	12.977	90.6	1478.8	5541.2	24.9
690.0	685.4	4.385	4.332	34.272	27.173	30.354	27.167	95.5	13.073	90.7	1478.8	5670.2	5.3
700.0	695.3	4.358	4.305	34.280	27.182	30.409	27.176	94.7	13.168	90.7	1478.8	5800.2	5.0
710.0	705.2	4.339	4.285	34.286	27.189	30.462	27.183	94.1	13.263	90.6	1478.9	5931.1	2.4
720.0	715.1	4.305	4.250	34.296	27.200	30.520	27.194	93.1	13.357	90.7	1479.0	6063.0	18.8
730.0	725.0	4.288	4.233	34.300	27.205	30.571	27.199	92.7	13.450	90.6	1479.1	6195.7	.6
740.0	734.9	4.270	4.214	34.309	27.214	30.626	27.208	91.9	13.542	90.6	1479.2	6329.4	7.4
750.0	744.8	4.263	4.206	34.324	27.227	30.684	27.221	90.8	13.633	90.6	1479.3	6464.0	12.7
760.0	754.7	4.256	4.199	34.333	27.235	30.738	27.229	90.2	13.724	90.6	1479.5	6599.4	5.9
770.0	764.6	4.319	4.260	34.357	27.248	30.795	27.241	89.2	13.813	90.6	1479.9	6735.8	5.4
780.0	774.5	4.343	4.284	34.373	27.258	30.851	27.252	88.4	13.902	90.6	1480.2	6873.0	17.4
790.0	784.4	4.313	4.252	34.380	27.266	30.905	27.260	87.6	13.990	90.6	1480.3	7011.1	8.9
800.0	794.3	4.304	4.242	34.391	27.276	30.961	27.269	86.8	14.077	90.6	1480.4	7150.0	8.3
810.0	804.2	4.307	4.245	34.396	27.280	31.011	27.274	86.5	14.163	90.6	1480.6	7289.8	2.5
820.0	814.1	4.314	4.251	34.403	27.285	31.061	27.278	86.2	14.250	90.5	1480.8	7430.5	4.9
830.0	824.0	4.280	4.217	34.405	27.291	31.113	27.284	85.7	14.336	90.6	1480.8	7572.0	8.4
840.0	833.9	4.232	4.168	34.409	27.298	31.167	27.291	85.0	14.421	90.6	1480.8	7714.3	7.2
850.0	843.8	4.179	4.115	34.410	27.305	31.221	27.299	84.3	14.506	90.5	1480.7	7857.5	10.7
860.0	853.7	4.188	4.122	34.423	27.315	31.275	27.308	83.5	14.590	90.5	1480.9	8001.4	5.7
870.0	863.6	4.137	4.071	34.422	27.319	31.326	27.312	83.1	14.673	90.6	1480.9	8146.3	5.2
880.0	873.5	4.128	4.062	34.424	27.322	31.375	27.315	82.9	14.756	90.5	1481.0	8291.9	3.1
890.0	883.4	4.117	4.050	34.431	27.328	31.428	27.322	82.4	14.839	90.5	1481.2	8438.3	5.2
900.0	893.3	4.087	4.019	34.435	27.335	31.480	27.328	81.8	14.921	90.6	1481.2	8585.6	5.5
910.0	903.2	4.060	3.991	34.442	27.343	31.535	27.336	81.1	15.002	90.6	1481.3	8733.6	8.4
920.0	913.1	4.022	3.953	34.446	27.351	31.589	27.344	80.4	15.083	90.5	1481.3	8882.5	4.0
930.0	923.0	3.964	3.895	34.442	27.353	31.638	27.346	80.2	15.163	90.6	1481.2	9032.1	6.6
940.0	932.9	3.958	3.888	34.449	27.359	31.690	27.352	79.6	15.243	90.6	1481.3	9182.5	5.5
950.0	942.8	3.924	3.853	34.451	27.364	31.742	27.357	79.2	15.323	90.5	1481.4	9333.7	3.4
960.0	952.7	3.905	3.833	34.452	27.368	31.791	27.360	78.9	15.401	90.6	1481.4	9485.7	1.7
970.0	962.5	3.897	3.825	34.456	27.371	31.840	27.364	78.7	15.480	90.6	1481.6	9638.4	7.8
980.0	972.4	3.871	3.798	34.460	27.378	31.893	27.370	78.1	15.559	90.5	1481.6	9792.0	9.9
990.0	982.3	3.858	3.784	34.464	27.382	31.943	27.374	77.7	15.637	90.6	1481.8	9946.2	3.4

Station 56 Latitude 32° 20.09'N Longitude 127° 12.47'W 28 Aug 1989 GMT 16:12 Bottom 3125 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.824	3.749	34.467	27.388	31.996	27.381	77.1	15.714	90.6	1481.8	10101.3	5.5
1020.0	1012.0	3.744	3.669	34.472	27.399	32.101	27.392	76.1	15.867	90.5	1481.8	10413.6	3.7
1040.0	1031.8	3.712	3.635	34.475	27.405	32.198	27.397	75.7	16.019	90.6	1482.0	10728.9	7.6
1060.0	1051.6	3.664	3.586	34.484	27.417	32.303	27.410	74.6	16.169	90.5	1482.1	11047.2	5.8
1080.0	1071.3	3.623	3.543	34.489	27.426	32.403	27.418	73.8	16.318	90.6	1482.3	11368.4	6.1
1100.0	1091.1	3.591	3.510	34.496	27.435	32.504	27.427	73.1	16.465	90.5	1482.5	11692.5	5.2
1120.0	1110.9	3.535	3.453	34.499	27.443	32.605	27.435	72.3	16.610	90.6	1482.6	12019.5	7.6
1140.0	1130.6	3.482	3.399	34.504	27.451	32.706	27.443	71.5	16.754	90.5	1482.7	12349.2	10.5
1160.0	1150.4	3.440	3.355	34.508	27.459	32.806	27.451	70.9	16.896	90.5	1482.9	12681.8	2.9
1180.0	1170.2	3.402	3.316	34.512	27.466	32.905	27.458	70.2	17.037	90.6	1483.0	13017.1	.0
1200.0	1189.9	3.357	3.270	34.519	27.476	33.008	27.468	69.4	17.177	90.5	1483.2	13355.2	7.0
1220.0	1209.7	3.317	3.228	34.523	27.483	33.107	27.475	68.7	17.315	90.5	1483.3	13696.0	2.1
1240.0	1229.4	3.275	3.185	34.528	27.491	33.207	27.483	68.0	17.452	90.5	1483.5	14039.4	7.4
1260.0	1249.2	3.234	3.143	34.531	27.498	33.306	27.489	67.5	17.588	90.5	1483.7	14385.6	5.6
1280.0	1269.0	3.203	3.111	34.535	27.504	33.404	27.496	66.9	17.722	90.5	1483.9	14734.3	2.7
1300.0	1288.7	3.148	3.055	34.539	27.511	33.505	27.503	66.2	17.855	90.5	1484.0	15085.7	2.1
1320.0	1308.5	3.115	3.021	34.540	27.516	33.601	27.507	65.8	17.987	90.5	1484.2	15439.6	3.3
1340.0	1328.2	3.097	3.001	34.544	27.521	33.697	27.512	65.4	18.118	90.5	1484.4	15796.1	1.3
1360.0	1347.9	3.049	2.952	34.547	27.528	33.797	27.519	64.8	18.249	90.5	1484.6	16155.2	3.0
1380.0	1367.7	2.994	2.896	34.551	27.536	33.898	27.528	63.9	18.378	90.5	1484.7	16516.8	7.4
1400.0	1387.4	2.946	2.847	34.555	27.544	33.998	27.535	63.2	18.505	90.4	1484.8	16880.8	5.4
1420.0	1407.2	2.909	2.809	34.559	27.550	34.097	27.541	62.6	18.631	90.5	1485.0	17247.3	1.9
1440.0	1426.9	2.878	2.777	34.562	27.556	34.194	27.546	62.1	18.755	90.5	1485.2	17616.3	6.6
1460.0	1446.7	2.844	2.741	34.563	27.560	34.291	27.551	61.7	18.879	90.5	1485.4	17987.7	1.6
1480.0	1466.4	2.804	2.700	34.567	27.566	34.389	27.557	61.2	19.002	90.5	1485.5	18361.4	-.4
1500.0	1486.1	2.777	2.671	34.569	27.571	34.485	27.561	60.8	19.124	90.5	1485.7	18737.6	4.6
1520.0	1505.8	2.735	2.629	34.570	27.575	34.582	27.566	60.3	19.245	90.5	1485.9	19116.1	1.1
1540.0	1525.6	2.705	2.597	34.571	27.579	34.677	27.569	60.0	19.365	90.5	1486.1	19497.0	4.6
1560.0	1545.3	2.663	2.554	34.575	27.585	34.777	27.576	59.4	19.485	90.6	1486.3	19880.1	3.7
1580.0	1565.0	2.615	2.505	34.579	27.593	34.876	27.583	58.6	19.603	90.5	1486.4	20265.6	7.2
1600.0	1584.8	2.581	2.470	34.581	27.597	34.973	27.588	58.2	19.719	90.5	1486.6	20653.4	2.8
1620.0	1604.5	2.553	2.440	34.584	27.602	35.070	27.592	57.7	19.835	90.5	1486.8	21043.4	4.0
1640.0	1624.2	2.525	2.411	34.585	27.606	35.165	27.596	57.4	19.950	90.5	1487.0	21435.7	.5
1660.0	1643.9	2.495	2.379	34.588	27.611	35.262	27.601	56.9	20.065	90.5	1487.2	21830.1	2.3
1680.0	1663.6	2.459	2.343	34.592	27.617	35.360	27.607	56.3	20.178	90.5	1487.4	22226.8	5.2
1700.0	1683.3	2.429	2.311	34.594	27.621	35.456	27.611	55.9	20.290	90.5	1487.6	22625.7	.9
1720.0	1703.1	2.411	2.292	34.595	27.623	35.550	27.613	55.8	20.402	90.5	1487.9	23026.7	1.2
1740.0	1722.8	2.384	2.263	34.597	27.628	35.646	27.618	55.3	20.513	90.5	1488.1	23429.9	1.2
1760.0	1742.5	2.363	2.241	34.599	27.631	35.741	27.621	55.0	20.623	90.5	1488.3	23835.3	-.6
1780.0	1762.2	2.346	2.223	34.601	27.634	35.834	27.624	54.8	20.733	90.5	1488.6	24242.8	-.3
1800.0	1781.9	2.323	2.198	34.603	27.638	35.929	27.627	54.5	20.843	90.4	1488.8	24652.3	3.3
1820.0	1801.6	2.304	2.178	34.605	27.641	36.024	27.631	54.2	20.951	90.5	1489.1	25064.0	1.8
1840.0	1821.3	2.283	2.156	34.607	27.645	36.119	27.634	53.9	21.059	90.5	1489.3	25477.8	-.5
1860.0	1841.0	2.264	2.135	34.609	27.648	36.214	27.637	53.6	21.167	90.5	1489.6	25893.7	.4
1880.0	1860.7	2.250	2.119	34.610	27.650	36.307	27.639	53.4	21.274	90.5	1489.9	26311.7	5.4
1900.0	1880.4	2.224	2.092	34.613	27.654	36.402	27.643	53.0	21.380	90.4	1490.1	26731.7	1.0
1920.0	1900.1	2.192	2.059	34.616	27.659	36.499	27.649	52.5	21.486	90.5	1490.3	27153.7	1.6
1940.0	1919.7	2.172	2.038	34.617	27.662	36.593	27.651	52.3	21.591	90.5	1490.5	27577.8	1.0
1960.0	1939.4	2.144	2.008	34.620	27.666	36.689	27.656	51.8	21.695	90.5	1490.7	28003.9	1.9
1980.0	1959.1	2.131	1.994	34.620	27.668	36.782	27.657	51.7	21.798	90.4	1491.0	28432.0	.5
2000.0	1978.8	2.099	1.961	34.624	27.674	36.879	27.663	51.1	21.901	90.5	1491.2	28862.1	-.1
2050.0	2028.0	2.048	1.906	34.629	27.681	37.115	27.670	50.4	22.155	90.5	1491.8	29946.0	3.7
2100.0	2077.2	2.006	1.861	34.632	27.688	37.348	27.676	49.8	22.406	90.5	1492.5	31042.0	.6
2150.0	2126.4	1.978	1.829	34.635	27.692	37.579	27.681	49.5	22.654	90.5	1493.2	32150.0	-1.5
2200.0	2175.5	1.947	1.794	34.638	27.698	37.811	27.686	49.0	22.900	90.5	1493.9	33269.9	.3
2250.0	2224.7	1.920	1.763	34.642	27.703	38.042	27.691	48.6	23.144	90.4	1494.7	34401.6	2.7
2300.0	2273.8	1.890	1.730	34.645	27.708	38.273	27.696	48.2	23.386	90.4	1495.4	35544.9	-.7
2350.0	2323.0	1.858	1.693	34.647	27.713	38.503	27.700	47.8	23.626	90.5	1496.1	36699.8	.8
2400.0	2372.1	1.835	1.666	34.649	27.717	38.732	27.704	47.5	23.864	90.4	1496.8	37866.3	1.1
2450.0	2421.2	1.806	1.634	34.652	27.721	38.962	27.708	47.2	24.101	90.4	1497.6	39044.1	1.1
2500.0	2470.3	1.775	1.599	34.655	27.726	39.192	27.713	46.7	24.335	90.4	1498.3	40233.2	1.8
2550.0	2519.4	1.762	1.581	34.656	27.728	39.418	27.715	46.6	24.569	90.5	1499.1	41433.5	.9
2600.0	2568.5	1.737	1.553	34.658	27.732	39.647	27.719	46.3	24.801	90.4	1499.8	42644.9	1.0
2650.0	2617.5	1.711	1.522	34.661	27.737	39.876	27.723	45.9	25.031	90.4	1500.5	43867.4	-1.0
2700.0	2666.6	1.686	1.493	34.662	27.740	40.103	27.726	45.6	25.260	90.5	1501.3	45100.9	.2
2750.0	2715.6	1.666	1.469	34.665	27.743	40.330	27.729	45.4	25.487	90.4	1502.0	46345.3	-.4
2800.0	2764.7	1.642	1.441	34.667	27.747	40.558	27.733	45.1	25.713	90.4	1502.8	47600.5	-.3
2850.0	2813.7	1.620	1.415	34.669	27.751	40.785	27.736	44.8	25.938	90.4	1503.5	48866.5	.6
2878.0	2841.1	1.614	1.406	34.670	27.752	40.910	27.737	44.7	26.063	90.5	1504.0	49580.2	.0

Station 57 Latitude 32° 26.87'N Longitude 127° 08.17'W 28 Aug 1989 GMT 18:35 Bottom 4425 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.071	19.071	33.476	23.840	23.840	23.840	405.3	.000	89.9	1517.8	.0	.0
10.0	10.0	19.066	19.065	33.476	23.841	23.885	23.841	405.5	.405	90.0	1517.9	2.0	1.5
20.0	19.9	19.065	19.062	33.476	23.842	23.929	23.842	405.8	.811	89.9	1518.1	8.1	-.1
30.0	29.9	19.066	19.061	33.476	23.843	23.973	23.841	406.1	1.217	89.9	1518.2	18.2	.1
40.0	39.9	19.066	19.059	33.476	23.843	24.017	23.841	406.4	1.623	89.8	1518.4	32.4	.3
50.0	49.8	18.803	18.794	33.471	23.906	24.124	23.904	400.8	2.028	89.8	1517.8	50.6	50.0
60.0	59.8	18.643	18.632	33.501	23.969	24.230	23.967	395.1	2.427	89.8	1517.5	72.8	129.0
70.0	69.8	17.689	17.677	33.451	24.165	24.471	24.162	376.7	2.814	89.8	1514.9	98.9	396.2
80.0	79.8	16.186	16.174	33.472	24.533	24.885	24.531	341.7	3.171	89.9	1510.5	128.7	337.7
90.0	89.7	15.625	15.611	33.573	24.738	25.134	24.735	322.5	3.502	90.0	1509.1	162.0	127.1
100.0	99.7	14.944	14.929	33.497	24.830	25.271	24.826	314.0	3.820	90.0	1507.0	198.5	158.6
110.0	109.6	13.774	13.759	33.342	24.956	25.444	24.953	302.0	4.126	90.1	1503.2	238.0	13.8
120.0	119.6	13.658	13.641	33.399	25.024	25.557	25.021	295.8	4.425	90.1	1503.0	280.6	62.1
130.0	129.5	12.881	12.863	33.325	25.123	25.701	25.119	286.5	4.716	90.4	1500.5	326.1	59.9
140.0	139.5	12.404	12.385	33.294	25.192	25.816	25.188	280.1	5.000	90.4	1499.0	374.4	60.7
150.0	149.4	12.046	12.027	33.297	25.262	25.932	25.258	273.6	5.277	90.6	1497.9	425.6	75.8
160.0	159.4	11.873	11.852	33.376	25.356	26.071	25.352	264.8	5.546	90.6	1497.6	479.4	80.8
170.0	169.3	11.690	11.669	33.413	25.419	26.179	25.415	259.1	5.808	90.7	1497.2	535.9	56.2
180.0	179.3	11.549	11.526	33.486	25.502	26.307	25.498	251.4	6.064	90.6	1496.9	594.9	120.6
190.0	189.2	10.963	10.940	33.517	25.632	26.484	25.628	239.1	6.308	90.7	1495.0	656.5	124.6
200.0	199.2	10.351	10.328	33.549	25.763	26.663	25.760	226.6	6.541	90.8	1493.1	720.4	211.1
210.0	209.1	10.099	10.075	33.612	25.856	26.802	25.852	217.9	6.762	90.8	1492.4	786.5	20.8
220.0	219.1	9.846	9.821	33.662	25.938	26.929	25.934	210.3	6.976	90.8	1491.7	854.8	112.7
230.0	229.0	9.320	9.295	33.759	26.100	27.139	26.096	194.9	7.178	90.6	1490.0	925.2	71.9
240.0	238.9	9.109	9.083	33.799	26.164	27.250	26.160	188.9	7.370	90.7	1489.5	997.5	81.2
250.0	248.9	8.754	8.728	33.865	26.272	27.404	26.268	178.7	7.554	90.6	1488.4	1071.6	96.1
260.0	258.8	8.668	8.641	33.881	26.299	27.476	26.294	176.3	7.731	90.6	1488.2	1147.6	36.9
270.0	268.7	8.469	8.441	33.927	26.365	27.590	26.361	170.0	7.904	90.6	1487.7	1225.2	33.4
280.0	278.7	8.358	8.329	33.945	26.396	27.666	26.392	167.3	8.073	90.7	1487.5	1304.6	14.0
290.0	288.6	8.278	8.248	33.960	26.420	27.736	26.415	165.2	8.239	90.6	1487.3	1385.6	23.1
300.0	298.5	8.115	8.085	33.983	26.463	27.825	26.458	161.2	8.402	90.6	1486.9	1468.3	34.2
310.0	308.5	7.937	7.906	34.000	26.503	27.912	26.498	157.5	8.561	90.6	1486.4	1552.5	22.8
320.0	318.4	7.751	7.720	34.009	26.537	27.992	26.533	154.3	8.717	90.7	1485.9	1638.3	22.1
330.0	328.3	7.598	7.566	34.014	26.563	28.065	26.559	151.8	8.870	90.5	1485.5	1725.6	21.5
340.0	338.3	7.496	7.463	34.015	26.578	28.126	26.574	150.5	9.021	90.6	1485.2	1814.4	-.2
350.0	348.2	7.405	7.371	34.017	26.593	28.188	26.589	149.2	9.171	90.6	1485.0	1904.7	12.4
360.0	358.1	7.300	7.266	34.017	26.608	28.248	26.603	147.9	9.320	90.5	1484.8	1996.5	20.0
370.0	368.0	7.167	7.132	34.019	26.628	28.314	26.623	146.1	9.467	90.6	1484.4	2089.8	19.4
380.0	378.0	7.025	6.990	34.023	26.651	28.384	26.646	144.0	9.611	90.5	1484.1	2184.5	10.6
390.0	387.9	6.834	6.798	34.028	26.681	28.461	26.676	141.1	9.754	90.5	1483.5	2280.6	36.3
400.0	397.8	6.742	6.706	34.034	26.698	28.525	26.694	139.5	9.894	90.5	1483.3	2378.1	23.7
410.0	407.8	6.622	6.585	34.041	26.720	28.593	26.715	137.5	10.033	90.4	1483.0	2477.0	17.6
420.0	417.7	6.584	6.546	34.049	26.731	28.651	26.726	136.6	10.170	90.4	1483.0	2577.3	19.9
430.0	427.6	6.538	6.500	34.055	26.742	28.708	26.737	135.6	10.306	90.4	1483.0	2678.9	16.4
440.0	437.5	6.443	6.404	34.057	26.756	28.768	26.751	134.4	10.441	90.4	1482.8	2781.8	10.2
450.0	447.4	6.213	6.173	34.046	26.777	28.837	26.772	132.3	10.575	90.4	1482.0	2886.1	26.0
460.0	457.4	5.923	5.883	34.030	26.801	28.910	26.796	129.9	10.706	90.5	1481.0	2991.6	19.8
470.0	467.3	5.806	5.766	34.036	26.820	28.976	26.815	128.1	10.834	90.4	1480.7	3098.5	11.3
480.0	477.2	5.764	5.723	34.051	26.837	29.039	26.832	126.5	10.962	90.4	1480.7	3206.6	14.8
490.0	487.1	5.712	5.671	34.065	26.855	29.103	26.850	124.9	11.088	90.4	1480.7	3315.9	35.6
500.0	497.0	5.539	5.497	34.066	26.876	29.173	26.872	122.8	11.211	90.5	1480.1	3426.5	20.6
510.0	507.0	5.470	5.428	34.071	26.889	29.232	26.884	121.7	11.333	90.4	1480.0	3538.3	20.3
520.0	516.9	5.403	5.360	34.076	26.901	29.290	26.896	120.6	11.455	90.4	1479.9	3651.3	9.8
530.0	526.8	5.353	5.309	34.090	26.918	29.354	26.913	119.0	11.575	90.4	1479.9	3765.5	24.1
540.0	536.7	5.307	5.263	34.098	26.930	29.411	26.924	118.0	11.693	90.4	1479.9	3880.9	5.7
550.0	546.6	5.257	5.213	34.108	26.943	29.471	26.938	116.8	11.810	90.4	1479.9	3997.4	13.0
560.0	556.5	5.139	5.094	34.120	26.967	29.542	26.962	114.5	11.926	90.4	1479.6	4115.1	11.8
570.0	566.5	5.086	5.040	34.130	26.981	29.603	26.976	113.3	12.039	90.4	1479.5	4233.9	20.3
580.0	576.4	4.990	4.944	34.137	26.997	29.666	26.992	111.7	12.152	90.5	1479.3	4353.8	3.6
590.0	586.3	4.925	4.878	34.148	27.014	29.729	27.008	110.2	12.263	90.4	1479.2	4474.8	16.2
600.0	596.2	4.999	4.951	34.173	27.026	29.785	27.020	109.3	12.373	90.4	1479.7	4596.9	10.1
610.0	606.1	4.991	4.942	34.184	27.035	29.841	27.030	108.5	12.482	90.4	1479.8	4720.1	11.8
620.0	616.0	4.906	4.857	34.182	27.043	29.896	27.038	107.7	12.590	90.4	1479.7	4844.4	25.3
630.0	625.9	4.697	4.648	34.169	27.056	29.958	27.051	106.3	12.696	90.5	1478.9	4969.7	17.9
640.0	635.8	4.661	4.611	34.179	27.068	30.016	27.063	105.2	12.802	90.4	1479.0	5096.0	3.3
650.0	645.8	4.642	4.592	34.185	27.075	30.069	27.070	104.7	12.907	90.4	1479.1	5223.4	11.5
660.0	655.7	4.609	4.557	34.198	27.089	30.129	27.083	103.4	13.011	90.4	1479.1	5351.8	5.9
670.0	665.6	4.587	4.535	34.211	27.102	30.189	27.097	102.2	13.114	90.5	1479.2	5481.3	20.3
680.0	675.5	4.577	4.525	34.233	27.121	30.253	27.115	100.6	13.215	90.4	1479.4	5611.7	9.5
690.0	685.4	4.569	4.515	34.254	27.138	30.316	27.132	99.1	13.315	90.5	1479.5	5743.1	5.4
700.0	695.3	4.529	4.475	34.259	27.146	30.371	27.140	98.3	13.414	90.4	1479.5	5875.5	17.7
710.0	705.2	4.462	4.408	34.262	27.156	30.427	27.150	97.4	13.512	90.4	1479.4	6008.9	6.5
720.0	715.1	4.556	4.500	34.290	27.169	30.484	27.163	96.5	13.609	90.4	1480.0	6143.2	11.8
730.0	725.0	4.419	4.363	34.283	27.178	30.541	27.172	95.5	13.705	90.4	1479.6	6278.5	1.6
740.0	734.9	4.369	4.312	34.287	27.187	30.597	27.181	94.7	13.800	90.4	1479.5	6414.7	9.2
750.0	744.8	4.506	4.448	34.323	27.200	30.653	27.194	93.8	13.894	90.4	1480.3	6551.9	8.3
760.0	754.7	4.358	4.299	34.310	27.206	30.707	27.199	93.1	13.988	90.4	1479.9	6689.9	.7
770.0	764.6	4.353	4.294	34.316	27.212	30.759	27.205	92.6	14.080	90.4	1480.0	6828.9	2.8
780.0	774.5	4.408	4.348	34.333	27.219	30.810	27.212	92.1	14.173	90.4	1480.4	6968.8	6.6
790.0	784.4	4.436	4.375	34.352	27.231	30.867	27.224	91.2	14.264	90.5	1480.7	7109.6	7.5
800.0	794.3	4.421	4.359	34.364	27.242	30.925	27.236	90.2	14.355	90.4	1480.9	7251.3	12.5
810.0	804.2	4.403	4.341	34.373	27.252	30.980	27.245	89.4	14.445	90.4	1481.0	7393.8	13.1
820.0	814.1	4.381	4.318	34.384	27.263	31.038	27.256	88.4	14.533	90.4	1481.0	7537.3	11.0
830.0	824.0	4.344	4.280	34.392	27.273	31.094	27.266	87.5	14.621	90.4	1481.1	7681.6	17.2
840.0	833.9	4.323	4.258	34.395	27.278	31.145	27.271	87.0	14.709	90.4	1481.1	7826.8	7.5
850.0	843.8	4.307	4.242	34.401	27.285	31.197	27.278	86.5	14.795	90.4	1481.3	7972.8	4.3
860.0	853.7	4.278	4.212	34.408	27.293	31.252	27.286	85.8	14.882	90.3	1481.3	8119.7	6.1
870.0	863.6	4.252	4.185	34.412	27.299	31.304	27.292	85.2	14.967	90.4	1481.4	8267.4	8.1
880.0	873.5	4.233	4.166	34.418	27.306	31.357	27.299	84.6	15.052	90.4	1481.5	8415.9	6.4
890.0	883.4	4.147	4.080	34.411	27.309	31.408	27.302	84.2	15.136	90.4	1481.3	8565.3	5.5
900.0	893.3	4.098	4.030	34.415	27.318	31.463	27.311	83.4	15.220	90.4	1481.2	8715.5	3.7
910.0	903.2	4.065	3.997	34.416	27.322	31.513	27.315	83.1	15.304	90.4	1481.2	8866.5	12.5
920.0	913.1	4.123	4.053	34.433	27.330	31.566	27.322	82.6	15.386	90.4	1481.7	9018.4	7.8
930.0	923.0	4.104	4.034	34.440	27.337	31.619	27.330	81.9	15.469	90.4	1481.8	9171.0	11.9
940.0	932.9	4.047	3.976	34.439	27.342	31.671	27.335	81.4	15.550	90.3	1481.7	9324.5	2.0
950.0	942.8	4.031	3.959	34.442	27.347	31.721	27.339	81.1	15.632	90.3	1481.8	9478.7	11.1
960.0	952.7	4.004	3.932	34.447	27.354	31.775	27.346	80.4	15.712	90.3	1481.9	9633.8	5.8
970.0	962.6	3.975	3.902	34.451	27.359	31.826	27.352	80.0	15.792	90.4	1481.9	9789.6	8.4
980.0	972.5	3.947	3.874	34.453	27.364	31.878	27.357	79.5	15.872	90.3	1482.0	9946.2	4.6
990.0	982.4	3.908	3.834	34.459	27.373	31.933	27.365	78.7	15.951	90.4	1482.0	10103.6	2.3

Station 57 Latitude 32° 26.87'N Longitude 127° 08.17'W 28 Aug 1989 GMT 18:35 Bottom 4425 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.3	3.875	3.801	34.463	27.379	31.986	27.372	78.1	16.030	90.3	1482.0	10261.7	2.3
1020.0	1012.0	3.818	3.742	34.470	27.391	32.090	27.383	77.1	16.185	90.4	1482.1	10580.3	3.5
1040.0	1031.8	3.760	3.683	34.478	27.403	32.194	27.395	76.0	16.338	90.3	1482.2	10902.0	4.9
1060.0	1051.6	3.706	3.628	34.482	27.412	32.296	27.404	75.2	16.489	90.4	1482.3	11226.6	2.9
1080.0	1071.3	3.655	3.576	34.488	27.421	32.398	27.414	74.3	16.639	90.3	1482.4	11554.1	4.7
1100.0	1091.1	3.611	3.530	34.492	27.429	32.499	27.422	73.6	16.787	90.3	1482.6	11884.5	2.3
1120.0	1110.9	3.544	3.462	34.501	27.443	32.605	27.435	72.3	16.933	90.3	1482.6	12217.9	9.9
1140.0	1130.7	3.507	3.423	34.506	27.451	32.705	27.443	71.6	17.077	90.3	1482.8	12554.0	8.2
1160.0	1150.4	3.446	3.361	34.512	27.462	32.808	27.453	70.7	17.219	90.3	1482.9	12893.0	5.3
1180.0	1170.2	3.397	3.312	34.517	27.471	32.910	27.462	69.9	17.359	90.4	1483.0	13234.7	1.2
1200.0	1189.9	3.367	3.280	34.520	27.476	33.007	27.468	69.4	17.499	90.4	1483.2	13579.1	3.8
1220.0	1209.7	3.327	3.239	34.523	27.482	33.106	27.474	68.9	17.637	90.3	1483.4	13926.2	5.0
1240.0	1229.5	3.283	3.194	34.527	27.490	33.205	27.481	68.2	17.774	90.3	1483.5	14276.0	2.4
1260.0	1249.2	3.249	3.159	34.528	27.493	33.301	27.485	67.9	17.910	90.3	1483.7	14628.5	2.1
1280.0	1269.0	3.190	3.098	34.531	27.502	33.403	27.493	67.1	18.045	90.3	1483.8	14983.7	5.3
1300.0	1288.7	3.151	3.058	34.536	27.509	33.502	27.501	66.4	18.179	90.3	1484.0	15341.4	1.2
1320.0	1308.5	3.106	3.012	34.537	27.514	33.600	27.506	65.9	18.311	90.4	1484.1	15701.7	.4
1340.0	1328.2	3.055	2.960	34.540	27.521	33.700	27.513	65.2	18.442	90.3	1484.2	16064.6	1.0
1360.0	1348.0	3.029	2.932	34.543	27.526	33.796	27.518	64.8	18.573	90.4	1484.5	16430.1	2.1
1380.0	1367.7	2.987	2.889	34.547	27.533	33.896	27.525	64.2	18.702	90.3	1484.6	16798.0	1.9
1400.0	1387.5	2.946	2.847	34.550	27.540	33.994	27.531	63.6	18.829	90.3	1484.8	17168.5	4.2
1420.0	1407.2	2.894	2.794	34.556	27.549	34.096	27.540	62.6	18.955	90.4	1484.9	17541.4	5.4
1440.0	1426.9	2.856	2.755	34.557	27.553	34.193	27.544	62.3	19.080	90.4	1485.1	17916.8	4.5
1460.0	1446.7	2.814	2.711	34.560	27.559	34.291	27.550	61.7	19.204	90.3	1485.2	18294.6	4.5
1480.0	1466.4	2.786	2.682	34.563	27.565	34.388	27.556	61.2	19.327	90.3	1485.4	18674.8	1.9
1500.0	1486.1	2.749	2.644	34.565	27.570	34.486	27.560	60.7	19.449	90.4	1485.6	19057.3	2.2
1520.0	1505.9	2.715	2.608	34.570	27.577	34.585	27.568	60.1	19.570	90.3	1485.8	19442.3	2.8
1540.0	1525.6	2.672	2.564	34.572	27.582	34.682	27.573	59.6	19.689	90.3	1486.0	19829.5	-1.9
1560.0	1545.3	2.642	2.533	34.574	27.586	34.779	27.577	59.2	19.808	90.3	1486.2	20219.1	1.4
1580.0	1565.1	2.618	2.508	34.577	27.591	34.875	27.582	58.8	19.926	90.3	1486.4	20610.9	2.5
1600.0	1584.8	2.591	2.479	34.578	27.594	34.970	27.585	58.5	20.043	90.3	1486.6	21005.1	2.3
1620.0	1604.5	2.565	2.452	34.582	27.600	35.067	27.590	58.0	20.160	90.3	1486.8	21401.5	3.5
1640.0	1624.2	2.533	2.418	34.585	27.605	35.164	27.595	57.5	20.275	90.3	1487.0	21800.1	3.2
1660.0	1643.9	2.493	2.377	34.587	27.610	35.262	27.601	57.0	20.390	90.3	1487.2	22201.0	2.9
1680.0	1663.6	2.466	2.349	34.590	27.615	35.357	27.605	56.6	20.503	90.3	1487.4	22604.1	4.7
1700.0	1683.3	2.437	2.319	34.592	27.619	35.454	27.609	56.1	20.616	90.2	1487.6	23009.4	.9
1720.0	1703.1	2.417	2.298	34.593	27.622	35.548	27.612	55.9	20.728	90.3	1487.9	23416.8	.6
1740.0	1722.8	2.389	2.269	34.597	27.628	35.645	27.617	55.4	20.839	90.3	1488.1	23826.5	.9
1760.0	1742.5	2.369	2.247	34.598	27.630	35.739	27.620	55.2	20.950	90.3	1488.3	24238.2	-1.1
1780.0	1762.2	2.345	2.222	34.600	27.633	35.834	27.623	54.9	21.060	90.3	1488.6	24652.1	3.6
1800.0	1781.9	2.313	2.189	34.604	27.639	35.932	27.629	54.3	21.169	90.3	1488.8	25068.1	4.2
1820.0	1801.6	2.291	2.165	34.607	27.644	36.028	27.633	53.9	21.277	90.2	1489.0	25486.2	2.4
1840.0	1821.3	2.266	2.139	34.608	27.646	36.122	27.636	53.6	21.385	90.3	1489.3	25906.4	3.0
1860.0	1841.0	2.232	2.103	34.611	27.652	36.220	27.642	53.0	21.491	90.3	1489.4	26328.7	1.3
1880.0	1860.7	2.223	2.093	34.612	27.654	36.312	27.643	53.0	21.597	90.3	1489.7	26753.0	2.4
1900.0	1880.4	2.209	2.077	34.614	27.656	36.405	27.646	52.7	21.703	90.3	1490.0	27179.4	3.3
1920.0	1900.1	2.185	2.053	34.616	27.660	36.500	27.649	52.4	21.808	90.3	1490.3	27607.8	-.5
1940.0	1919.8	2.161	2.027	34.618	27.663	36.595	27.653	52.1	21.913	90.2	1490.5	28038.2	2.8
1960.0	1939.4	2.139	2.003	34.620	27.667	36.690	27.656	51.8	22.017	90.3	1490.7	28470.7	3.1
1980.0	1959.1	2.119	1.982	34.621	27.669	36.784	27.658	51.5	22.120	90.3	1491.0	28905.1	3.4
2000.0	1978.8	2.099	1.961	34.623	27.673	36.878	27.662	51.2	22.222	90.3	1491.2	29341.5	.8
2050.0	2028.0	2.047	1.906	34.628	27.681	37.114	27.670	50.4	22.477	90.3	1491.8	30441.2	2.6
2100.0	2077.2	2.009	1.863	34.631	27.687	37.347	27.675	49.9	22.728	90.3	1492.5	31553.1	1.4
2150.0	2126.4	1.976	1.827	34.635	27.693	37.579	27.681	49.4	22.976	90.5	1493.2	32676.9	.9
2200.0	2175.6	1.945	1.792	34.638	27.698	37.811	27.686	49.0	23.222	90.3	1493.9	33812.6	2.7
2250.0	2224.7	1.913	1.757	34.642	27.704	38.043	27.692	48.5	23.466	90.3	1494.6	34960.1	1.0
2300.0	2273.9	1.885	1.724	34.645	27.708	38.273	27.696	48.2	23.708	90.3	1495.4	36119.3	1.6
2350.0	2323.0	1.855	1.690	34.648	27.713	38.504	27.701	47.7	23.947	90.3	1496.1	37290.0	2.2
2400.0	2372.1	1.827	1.659	34.650	27.718	38.734	27.705	47.4	24.185	90.2	1496.8	38472.2	-1.2
2450.0	2421.2	1.799	1.627	34.653	27.722	38.964	27.709	47.0	24.421	90.2	1497.5	39665.7	2.0
2500.0	2470.3	1.776	1.600	34.655	27.726	39.192	27.713	46.7	24.655	90.3	1498.3	40870.5	.0
2550.0	2519.4	1.751	1.571	34.657	27.730	39.421	27.717	46.4	24.888	90.2	1499.0	42086.5	-.2
2600.0	2568.5	1.732	1.547	34.659	27.733	39.648	27.719	46.2	25.119	90.2	1499.8	43313.6	1.0
2650.0	2617.6	1.720	1.531	34.661	27.736	39.874	27.722	46.1	25.350	90.3	1500.6	44551.7	1.3
2700.0	2666.6	1.694	1.501	34.663	27.740	40.102	27.725	45.7	25.580	90.2	1501.3	45800.9	2.2
2750.0	2715.6	1.675	1.478	34.665	27.742	40.329	27.728	45.5	25.808	90.3	1502.1	47061.0	-.1
2800.0	2764.7	1.658	1.456	34.666	27.745	40.554	27.730	45.4	26.035	90.3	1502.8	48332.0	.9
2850.0	2813.7	1.645	1.439	34.667	27.748	40.780	27.733	45.2	26.262	90.2	1503.6	49613.8	-.3
2900.0	2862.7	1.633	1.423	34.668	27.749	41.004	27.734	45.2	26.488	90.2	1504.4	50906.4	-.5
2950.0	2911.7	1.620	1.405	34.670	27.752	41.229	27.736	45.0	26.714	90.2	1505.2	52209.8	.7
3000.0	2960.7	1.607	1.388	34.671	27.754	41.453	27.738	44.9	26.938	90.2	1506.0	53523.9	-.1
3050.0	3009.7	1.599	1.375	34.672	27.756	41.676	27.740	44.9	27.163	90.2	1506.8	54848.8	1.7
3100.0	3058.6	1.584	1.355	34.673	27.758	41.900	27.742	44.8	27.387	90.2	1507.6	56184.3	1.1
3150.0	3107.6	1.576	1.343	34.675	27.761	42.124	27.744	44.6	27.611	90.2	1508.4	57530.5	1.2
3200.0	3156.5	1.568	1.330	34.676	27.762	42.346	27.745	44.6	27.834	90.2	1509.3	58887.3	2.1
3250.0	3205.5	1.555	1.312	34.677	27.764	42.570	27.747	44.5	28.056	90.2	1510.1	60254.7	.7
3300.0	3254.4	1.544	1.297	34.678	27.767	42.792	27.749	44.4	28.279	90.2	1510.9	61632.6	1.3
3350.0	3303.3	1.534	1.282	34.680	27.769	43.015	27.751	44.3	28.501	90.2	1511.7	63021.2	.2
3400.0	3352.2	1.526	1.269	34.681	27.771	43.237	27.752	44.2	28.722	90.2	1512.5	64420.2	1.1
3450.0	3401.1	1.519	1.257	34.682	27.772	43.458	27.754	44.2	28.943	90.1	1513.3	65829.8	-.6
3500.0	3449.9	1.510	1.243	34.683	27.774	43.680	27.755	44.1	29.164	90.2	1514.1	67249.8	.0
3550.0	3498.8	1.503	1.231	34.685	27.776	43.901	27.757	44.0	29.384	90.2	1515.0	68680.3	.7
3600.0	3547.7	1.500	1.223	34.685	27.777	44.121	27.758	44.1	29.604	90.2	1515.8	70121.3	2.2
3650.0	3596.5	1.495	1.214	34.687	27.779	44.341	27.759	44.0	29.824	90.2	1516.6	71572.6	1.9
3700.0	3645.4	1.493	1.206	34.687	27.780	44.560	27.759	44.1	30.045	90.2	1517.5	73034.4	-.4
3750.0	3694.2	1.491	1.199	34.688	27.781	44.779	27.761	44.1	30.265	90.2	1518.3	74506.7	.8
3800.0	3743.0	1.491	1.194	34.688	27.782	44.997	27.761	44.3	30.486	90.2	1519.2	75989.4	.0
3850.0	3791.8	1.491	1.188	34.689	27.783	45.215	27.761	44.3	30.708	90.2	1520.1	77482.5	.9
3900.0	3840.6	1.492	1.184	34.690	27.784	45.433	27.762	44.4	30.930	90.2	1520.9	78986.2	.4
3950.0	3889.4	1.495	1.181	34.690	27.784	45.650	27.762	44.6	31.152	90.2	1521.8	80500.3	-.7
4000.0	3938.1	1.496	1.177	34.691	27.785	45.867	27.763	44.7	31.375	90.1	1522.7	82025.0	-.4
4050.0	3986.9	1.499	1.174	34.691	27.785	46.084	27.763	44.8	31.599	90.2	1523.5	83560.3	-.6
4100.0	4035.6	1.501	1.171	34.692	27.786	46.300	27.763	45.0	31.823	90.1	1524.4	85106.1	1.2
4150.0	4084.4	1.505	1.169	34.692	27.786	46.516	27.763	45.1	32.049	90.2	1525.3	86662.6	.6
4200.0	4133.1	1.508	1.167	34.692	27.787	46.731	27.763	45.3	32.275	90.1	1526.2	88229.7	-.5
4250.0	4181.8	1.512	1.164	34.693	27.787	46.947	27.763	45.4	32.502	90.1	1527.0	89807.6	1.0
4300.0	4230.5	1.516	1.163	34.692	27.787	47.161	27.762	45.7	32.729	90.1	1527.9	91396.1	-.7
4350.0	4279.2	1.520	1.162	34.693	27.788	47.376	27.762	45.9	32.958	90.2	1528.8	92995.5	.5
4400.0	4327.9	1.525	1.160	34.693	27.788	47.590	27.762	46.0	33.188	90.1	1529.7	94605.6	-.3
4450.0	4376.6	1.531	1.161	34.692	27.787	47.803	27.761	46.3	33.419	90.1	1530.6	96226.6	.6
4464.0	4390.2	1.532	1.160	34.693	27.788	47.864	27.761	46.3	33.484	90.1	1530.8	96682.5	.0

Station 58 Latitude 32° 39.98'N Longitude 126° 59.95'W 28 Aug 1989 GMT 22:24 Bottom 4400 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.096	19.096	33.506	23.856	23.856	23.856	403.7	.000	89.9	1517.9	.0	.0
10.0	10.0	19.054	19.052	33.505	23.867	23.910	23.867	403.1	.404	89.9	1517.9	2.0	13.8
20.0	19.9	19.022	19.018	33.504	23.875	23.962	23.874	402.7	.806	89.8	1518.0	8.0	1.0
30.0	29.9	19.017	19.012	33.504	23.876	24.006	23.875	402.9	1.209	89.8	1518.1	18.1	1.3
40.0	39.9	19.014	19.007	33.504	23.877	24.051	23.875	403.2	1.612	89.8	1518.3	32.2	-2.1
50.0	49.8	19.002	18.993	33.502	23.879	24.097	23.877	403.3	2.016	89.8	1518.4	50.2	23.1
60.0	59.8	18.225	18.215	33.476	24.054	24.315	24.051	387.0	2.409	89.7	1516.3	72.3	43.5
70.0	69.8	16.141	16.131	33.393	24.483	24.791	24.481	346.2	2.777	89.6	1510.1	98.2	283.8
80.0	79.7	15.541	15.528	33.470	24.677	25.029	24.675	328.0	3.115	89.8	1508.5	127.5	182.1
90.0	89.7	15.041	15.027	33.414	24.744	25.141	24.741	321.8	3.439	90.0	1507.0	160.2	74.6
100.0	99.7	14.990	14.975	33.549	24.860	25.301	24.857	311.1	3.756	90.0	1507.2	196.0	74.6
110.0	109.6	14.520	14.504	33.515	24.935	25.421	24.931	304.2	4.064	90.0	1505.8	234.9	99.4
120.0	119.6	13.765	13.748	33.468	25.056	25.588	25.052	292.8	4.363	90.0	1503.5	276.9	48.0
130.0	129.5	13.299	13.281	33.466	25.149	25.727	25.146	284.1	4.651	90.3	1502.1	321.8	26.6
140.0	139.5	12.909	12.890	33.481	25.239	25.862	25.235	275.8	4.932	90.4	1500.9	369.4	65.5
150.0	149.4	12.302	12.283	33.448	25.331	26.000	25.327	267.1	5.205	90.4	1499.0	419.9	242.5
160.0	159.4	11.780	11.760	33.491	25.463	26.178	25.459	254.7	5.463	90.8	1497.4	473.0	166.0
170.0	169.3	11.571	11.550	33.610	25.594	26.354	25.590	242.4	5.711	90.6	1497.0	528.5	157.8
180.0	179.3	10.947	10.926	33.644	25.733	26.541	25.729	229.2	5.946	90.8	1495.0	586.5	107.0
190.0	189.2	10.354	10.332	33.703	25.883	26.738	25.879	215.0	6.168	90.8	1493.1	646.7	106.0
200.0	199.1	9.958	9.935	33.756	25.992	26.893	25.988	204.8	6.378	90.8	1491.9	709.1	43.9
210.0	209.1	9.691	9.667	33.783	26.057	27.004	26.053	198.7	6.580	90.8	1491.1	773.5	69.9
220.0	219.0	9.494	9.470	33.816	26.116	27.109	26.112	193.2	6.776	90.7	1490.6	839.9	61.6
230.0	229.0	9.188	9.163	33.870	26.208	27.248	26.204	184.6	6.964	90.8	1489.7	908.2	72.7
240.0	238.9	8.971	8.946	33.935	26.293	27.379	26.289	176.6	7.144	90.6	1489.1	978.3	87.9
250.0	248.8	8.765	8.739	33.955	26.341	27.473	26.337	172.1	7.319	90.6	1488.5	1050.1	56.6
260.0	258.8	8.552	8.525	33.969	26.385	27.564	26.381	168.1	7.490	90.7	1487.9	1123.7	22.0
270.0	268.7	8.371	8.343	33.984	26.425	27.649	26.420	164.4	7.656	90.8	1487.4	1198.9	44.2
280.0	278.6	8.221	8.192	33.989	26.452	27.722	26.447	162.0	7.819	90.7	1487.0	1275.8	14.3
290.0	288.6	8.062	8.033	33.992	26.477	27.795	26.473	159.6	7.979	90.7	1486.6	1354.3	17.8
300.0	298.5	7.914	7.884	33.994	26.501	27.865	26.497	157.4	8.138	90.6	1486.2	1434.3	22.4
310.0	308.4	7.825	7.794	33.995	26.515	27.925	26.511	156.2	8.295	90.7	1486.0	1515.9	23.9
320.0	318.4	7.677	7.646	33.998	26.539	27.995	26.534	154.0	8.450	90.6	1485.6	1599.0	11.9
330.0	328.3	7.565	7.533	34.002	26.558	28.060	26.554	152.3	8.603	90.6	1485.3	1683.7	26.5
340.0	338.2	7.424	7.391	34.003	26.579	28.128	26.575	150.3	8.755	90.6	1484.9	1769.9	15.1
350.0	348.2	7.313	7.279	34.004	26.596	28.190	26.591	148.9	8.904	90.5	1484.7	1857.6	20.6
360.0	358.1	7.123	7.089	34.008	26.626	28.268	26.621	146.1	9.052	90.5	1484.1	1946.7	43.4
370.0	368.0	6.929	6.895	34.010	26.653	28.342	26.649	143.5	9.197	90.5	1483.5	2037.3	7.1
380.0	377.9	6.801	6.766	34.009	26.670	28.406	26.665	141.9	9.339	90.5	1483.2	2129.3	27.0
390.0	387.9	6.621	6.586	34.010	26.695	28.478	26.690	139.6	9.480	90.5	1482.6	2222.7	19.9
400.0	397.8	6.486	6.450	34.012	26.715	28.544	26.710	137.7	9.619	90.4	1482.2	2317.4	19.0
410.0	407.7	6.311	6.275	34.009	26.735	28.612	26.730	135.8	9.756	90.6	1481.7	2413.6	33.3
420.0	417.6	6.128	6.091	34.015	26.763	28.687	26.758	133.1	9.890	90.4	1481.1	2511.1	22.7
430.0	427.6	6.050	6.013	34.025	26.781	28.751	26.776	131.5	10.023	90.4	1481.0	2609.9	11.3
440.0	437.5	5.958	5.920	34.031	26.797	28.814	26.792	130.0	10.153	90.4	1480.8	2710.0	11.0
450.0	447.4	5.860	5.821	34.034	26.811	28.875	26.807	128.7	10.283	90.4	1480.6	2811.3	13.3
460.0	457.3	5.770	5.731	34.043	26.830	28.941	26.825	127.0	10.411	90.4	1480.4	2914.0	12.7
470.0	467.3	5.649	5.610	34.043	26.844	29.002	26.840	125.6	10.537	90.4	1480.1	3017.9	9.5
480.0	477.2	5.555	5.515	34.047	26.859	29.064	26.854	124.2	10.662	90.4	1479.8	3123.0	21.8
490.0	487.1	5.426	5.385	34.054	26.880	29.132	26.875	122.2	10.785	90.4	1479.5	3229.4	15.6
500.0	497.0	5.374	5.333	34.058	26.890	29.188	26.885	121.3	10.906	90.5	1479.4	3337.0	13.0
510.0	506.9	5.294	5.253	34.068	26.907	29.252	26.902	119.8	11.027	90.5	1479.3	3445.8	20.6
520.0	516.8	5.228	5.186	34.074	26.920	29.311	26.915	118.6	11.146	90.5	1479.2	3555.7	7.1
530.0	526.8	5.141	5.098	34.088	26.941	29.379	26.936	116.6	11.264	90.5	1479.0	3666.8	22.9
540.0	536.7	5.059	5.016	34.096	26.956	29.441	26.951	115.2	11.379	90.5	1478.9	3779.1	9.7
550.0	546.6	4.989	4.945	34.104	26.971	29.503	26.966	113.8	11.494	90.4	1478.8	3892.5	14.4
560.0	556.5	4.963	4.919	34.125	26.991	29.568	26.986	112.1	11.607	90.7	1478.8	4007.0	17.3
570.0	566.4	4.963	4.918	34.140	27.003	29.627	26.998	111.0	11.719	90.5	1479.0	4122.6	13.8
580.0	576.3	4.955	4.909	34.157	27.017	29.687	27.012	109.8	11.829	90.5	1479.2	4239.4	13.2
590.0	586.2	4.909	4.863	34.168	27.032	29.747	27.027	108.5	11.938	90.4	1479.2	4357.2	12.7
600.0	596.2	4.883	4.835	34.188	27.050	29.812	27.045	106.8	12.045	90.4	1479.2	4476.0	15.9
610.0	606.1	4.883	4.835	34.206	27.065	29.872	27.059	105.6	12.151	90.4	1479.4	4595.9	12.1
620.0	616.0	4.837	4.788	34.224	27.084	29.937	27.078	103.8	12.256	90.4	1479.4	4716.9	13.3
630.0	625.9	4.763	4.713	34.226	27.094	29.995	27.089	102.8	12.359	90.4	1479.3	4838.9	9.7
640.0	635.8	4.729	4.679	34.232	27.103	30.049	27.097	102.1	12.462	90.4	1479.3	4961.9	6.5
650.0	645.7	4.647	4.596	34.236	27.115	30.108	27.109	100.9	12.564	90.4	1479.2	5085.9	11.8
660.0	655.6	4.607	4.556	34.243	27.125	30.165	27.119	100.1	12.664	90.4	1479.2	5210.8	8.3
670.0	665.5	4.579	4.527	34.253	27.136	30.223	27.131	99.0	12.764	90.3	1479.2	5336.8	17.4
680.0	675.4	4.535	4.483	34.270	27.154	30.287	27.148	97.4	12.862	90.4	1479.2	5463.8	7.1
690.0	685.3	4.491	4.438	34.280	27.167	30.346	27.162	96.2	12.959	90.5	1479.2	5591.7	12.4
700.0	695.3	4.483	4.429	34.288	27.175	30.399	27.169	95.6	13.055	90.4	1479.4	5720.5	9.5
710.0	705.2	4.399	4.345	34.290	27.185	30.457	27.179	94.5	13.150	90.4	1479.2	5850.3	11.5
720.0	715.1	4.380	4.325	34.298	27.194	30.512	27.188	93.8	13.244	90.4	1479.3	5981.0	3.3
730.0	725.0	4.304	4.248	34.306	27.208	30.574	27.202	92.4	13.337	90.4	1479.1	6112.7	15.0
740.0	734.9	4.248	4.192	34.314	27.220	30.632	27.214	91.3	13.429	90.5	1479.1	6245.2	6.5
750.0	744.8	4.268	4.211	34.328	27.229	30.687	27.223	90.6	13.520	90.4	1479.3	6378.7	10.9
760.0	754.7	4.244	4.187	34.339	27.241	30.744	27.235	89.6	13.610	90.4	1479.4	6513.0	7.4
770.0	764.6	4.205	4.147	34.348	27.253	30.802	27.247	88.5	13.699	90.4	1479.4	6648.2	6.5
780.0	774.5	4.178	4.119	34.354	27.260	30.856	27.254	87.8	13.787	90.5	1479.5	6784.3	9.8
790.0	784.4	4.182	4.123	34.361	27.265	30.907	27.259	87.5	13.875	90.4	1479.7	6921.3	6.0
800.0	794.3	4.152	4.092	34.367	27.273	30.961	27.267	86.7	13.962	90.4	1479.7	7059.1	10.6
810.0	804.2	4.074	4.013	34.365	27.280	31.015	27.274	86.1	14.049	90.4	1479.6	7197.7	3.3
820.0	814.1	4.062	4.001	34.371	27.285	31.067	27.279	85.6	14.134	90.4	1479.7	7337.2	.4
830.0	824.0	4.053	3.991	34.374	27.289	31.116	27.282	85.4	14.220	90.4	1479.8	7477.6	6.0
840.0	833.9	4.023	3.960	34.380	27.297	31.170	27.290	84.7	14.305	90.6	1479.9	7618.7	5.1
850.0	843.8	4.017	3.954	34.387	27.304	31.223	27.297	84.1	14.389	90.4	1480.0	7760.8	9.2
860.0	853.7	4.010	3.946	34.396	27.311	31.276	27.304	83.5	14.473	90.4	1480.2	7903.6	4.5
870.0	863.6	3.953	3.888	34.396	27.317	31.329	27.310	82.9	14.556	90.4	1480.1	8047.2	5.1
880.0	873.5	3.933	3.868	34.399	27.322	31.380	27.315	82.5	14.639	90.4	1480.2	8191.7	3.6
890.0	883.4	3.914	3.848	34.405	27.328	31.433	27.322	81.9	14.721	90.4	1480.3	8337.0	3.4
900.0	893.3	3.942	3.875	34.416	27.334	31.483	27.328	81.5	14.803	90.4	1480.6	8483.1	7.5
910.0	903.2	3.914	3.846	34.416	27.337	31.533	27.330	81.3	14.884	90.4	1480.6	8630.0	3.4
920.0	913.0	3.919	3.850	34.425	27.344	31.585	27.337	80.8	14.966	90.4	1480.8	8777.6	7.8
930.0	922.9	3.863	3.794	34.425	27.350	31.638	27.343	80.2	15.046	90.4	1480.7	8926.1	8.7
940.0	932.8	3.818	3.748	34.426	27.355	31.690	27.348	79.7	15.126	90.4	1480.7	9075.3	2.5
950.0	942.7	3.798	3.728	34.433	27.363	31.744	27.356	79.0	15.205	90.4	1480.8	9225.4	5.1
960.0	952.6	3.786	3.715	34.437	27.367	31.794	27.360	78.7	15.284	90.4	1480.9	9376.2	6.3
970.0	962.5	3.757	3.685	34.445	27.376	31.849	27.369	77.8	15.362	90.4	1481.0	9527.8	5.7
980.0	972.4	3.749	3.677	34.452	27.383	31.901	27.376	77.3	15.440	90.4	1481.1	9680.1	5.5
990.0	982.3	3.731	3.658	34.456	27.389	31.953	27.381	76.8	15.517	90.4	1481.2	9833.2	5.8

Station 58 Latitude 32° 39.98'N Longitude 126° 59.95'W 28 Aug 1989 GMT 22:24 Bottom 4400 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.734	3.661	34.464	27.395	32.005	27.387	76.3	15.593	90.4	1481.4	9987.0	14.3
1020.0	1012.0	3.668	3.593	34.469	27.405	32.108	27.398	75.4	15.745	90.4	1481.5	10297.0	6.9
1040.0	1031.7	3.637	3.561	34.477	27.415	32.210	27.407	74.6	15.895	90.4	1481.7	10609.8	2.3
1060.0	1051.5	3.573	3.496	34.480	27.423	32.311	27.416	73.8	16.043	90.4	1481.7	10925.6	5.8
1080.0	1071.3	3.526	3.447	34.486	27.433	32.413	27.425	72.9	16.190	90.4	1481.9	11244.3	7.8
1100.0	1091.1	3.484	3.404	34.492	27.442	32.514	27.434	72.1	16.335	90.3	1482.0	11565.8	4.6
1120.0	1110.8	3.460	3.379	34.501	27.452	32.616	27.444	71.3	16.479	90.4	1482.3	11890.2	7.0
1140.0	1130.6	3.422	3.340	34.508	27.460	32.717	27.453	70.5	16.620	90.5	1482.5	12217.3	8.8
1160.0	1150.4	3.360	3.276	34.510	27.468	32.818	27.460	69.8	16.761	90.3	1482.5	12547.2	1.1
1180.0	1170.1	3.337	3.252	34.514	27.473	32.915	27.465	69.4	16.900	90.4	1482.8	12879.8	2.3
1200.0	1189.9	3.293	3.207	34.519	27.482	33.015	27.474	68.6	17.038	90.4	1482.9	13215.1	4.4
1220.0	1209.6	3.244	3.157	34.522	27.489	33.115	27.481	68.0	17.174	90.4	1483.0	13553.1	2.9
1240.0	1229.4	3.200	3.112	34.526	27.497	33.215	27.488	67.3	17.310	90.3	1483.2	13893.8	3.2
1260.0	1249.2	3.151	3.061	34.531	27.505	33.316	27.497	66.5	17.443	90.4	1483.3	14237.1	.3
1280.0	1268.9	3.125	3.034	34.533	27.509	33.412	27.501	66.2	17.576	90.4	1483.5	14582.9	3.5
1300.0	1288.7	3.086	2.993	34.537	27.516	33.512	27.508	65.5	17.708	90.4	1483.7	14931.4	1.8
1320.0	1308.4	3.043	2.949	34.541	27.523	33.610	27.514	64.9	17.838	90.3	1483.9	15282.4	4.7
1340.0	1328.2	3.007	2.912	34.544	27.529	33.709	27.520	64.4	17.967	90.4	1484.0	15635.9	4.5
1360.0	1347.9	2.984	2.888	34.546	27.533	33.805	27.524	64.1	18.096	90.3	1484.3	15992.0	3.9
1380.0	1367.6	2.959	2.861	34.548	27.537	33.900	27.528	63.7	18.224	90.3	1484.5	16350.5	2.7
1400.0	1387.4	2.933	2.834	34.552	27.542	33.997	27.533	63.3	18.351	90.4	1484.7	16711.5	1.6
1420.0	1407.1	2.900	2.800	34.554	27.547	34.094	27.538	62.9	18.477	90.3	1484.9	17075.0	1.9
1440.0	1426.9	2.860	2.759	34.557	27.553	34.192	27.544	62.3	18.602	90.4	1485.1	17440.9	4.8
1460.0	1446.6	2.824	2.722	34.560	27.558	34.290	27.549	61.8	18.726	90.3	1485.3	17809.3	2.8
1480.0	1466.3	2.790	2.686	34.563	27.564	34.388	27.555	61.3	18.849	90.4	1485.5	18180.0	2.8
1500.0	1486.1	2.754	2.648	34.566	27.570	34.486	27.561	60.7	18.971	90.3	1485.6	18553.1	4.0
1520.0	1505.8	2.729	2.622	34.568	27.574	34.581	27.564	60.4	19.093	90.3	1485.9	18928.6	3.1
1540.0	1525.5	2.690	2.583	34.571	27.580	34.679	27.570	59.9	19.213	90.4	1486.0	19306.5	4.6
1560.0	1545.3	2.656	2.547	34.574	27.585	34.777	27.576	59.3	19.332	90.4	1486.2	19686.6	2.8
1580.0	1565.0	2.617	2.507	34.577	27.591	34.875	27.582	58.8	19.450	90.3	1486.4	20069.1	3.1
1600.0	1584.7	2.593	2.481	34.579	27.595	34.971	27.586	58.4	19.567	90.4	1486.6	20453.9	2.0
1620.0	1604.4	2.566	2.453	34.582	27.599	35.066	27.590	58.1	19.684	90.3	1486.8	20840.9	7.0
1640.0	1624.1	2.534	2.420	34.584	27.604	35.163	27.594	57.6	19.800	90.3	1487.0	21230.2	.8
1660.0	1643.8	2.508	2.393	34.586	27.608	35.258	27.598	57.3	19.914	90.3	1487.3	21621.7	1.1
1680.0	1663.6	2.481	2.364	34.589	27.613	35.355	27.603	56.8	20.029	90.3	1487.5	22015.4	.9
1700.0	1683.3	2.458	2.340	34.591	27.617	35.450	27.606	56.5	20.142	90.3	1487.7	22411.3	5.8
1720.0	1703.0	2.422	2.303	34.594	27.621	35.548	27.612	56.0	20.254	90.3	1487.9	22809.4	2.9
1740.0	1722.7	2.398	2.277	34.596	27.626	35.643	27.616	55.6	20.366	90.3	1488.1	23209.7	4.7
1760.0	1742.4	2.370	2.248	34.598	27.630	35.739	27.620	55.2	20.476	90.4	1488.4	23612.1	2.4
1780.0	1762.1	2.355	2.232	34.601	27.634	35.834	27.624	54.9	20.587	90.3	1488.6	24016.7	1.8
1800.0	1781.8	2.327	2.202	34.604	27.638	35.930	27.628	54.4	20.696	90.3	1488.8	24423.4	2.4
1820.0	1801.5	2.287	2.162	34.606	27.644	36.028	27.633	53.9	20.804	90.3	1489.0	24832.2	1.5
1840.0	1821.2	2.261	2.134	34.608	27.647	36.123	27.637	53.5	20.911	90.3	1489.2	25243.0	2.1
1860.0	1840.9	2.227	2.099	34.610	27.652	36.219	27.641	53.1	21.018	90.3	1489.4	25656.0	-.2
1880.0	1860.6	2.207	2.077	34.612	27.655	36.314	27.645	52.7	21.124	90.3	1489.7	26071.0	1.6
1900.0	1880.3	2.187	2.056	34.614	27.658	36.408	27.648	52.5	21.229	90.3	1489.9	26488.0	3.3
1920.0	1900.0	2.159	2.027	34.617	27.663	36.504	27.652	52.0	21.334	90.3	1490.1	26907.1	1.9
1940.0	1919.7	2.140	2.006	34.619	27.666	36.599	27.655	51.7	21.437	90.3	1490.4	27328.1	1.9
1960.0	1939.4	2.117	1.982	34.621	27.669	36.694	27.659	51.4	21.541	90.3	1490.6	27751.2	2.5
1980.0	1959.0	2.093	1.956	34.623	27.673	36.789	27.662	51.0	21.643	90.3	1490.9	28176.3	.2
2000.0	1978.7	2.074	1.937	34.625	27.676	36.883	27.665	50.8	21.745	90.2	1491.1	28603.3	.2
2050.0	2027.9	2.039	1.898	34.628	27.682	37.115	27.671	50.3	21.997	90.3	1491.8	29679.4	2.3
2100.0	2077.1	1.998	1.853	34.633	27.689	37.350	27.678	49.7	22.247	90.2	1492.5	30767.6	2.3
2150.0	2126.3	1.956	1.807	34.637	27.696	37.584	27.684	49.0	22.494	90.3	1493.1	31867.7	2.1
2200.0	2175.5	1.920	1.768	34.640	27.701	37.816	27.690	48.6	22.738	90.2	1493.8	32979.7	2.7
2250.0	2224.6	1.895	1.739	34.643	27.706	38.046	27.694	48.2	22.980	90.2	1494.6	34103.3	2.4
2300.0	2273.8	1.871	1.711	34.645	27.709	38.275	27.697	48.0	23.221	90.2	1495.3	35238.5	2.5
2350.0	2322.9	1.847	1.683	34.647	27.714	38.505	27.701	47.6	23.459	90.2	1496.0	36385.3	.8
2400.0	2372.0	1.822	1.653	34.650	27.718	38.735	27.705	47.3	23.697	90.3	1496.8	37543.5	-1.5
2450.0	2421.1	1.801	1.628	34.652	27.722	38.963	27.709	47.0	23.933	90.2	1497.5	38713.0	2.3
2500.0	2470.2	1.782	1.606	34.654	27.725	39.191	27.712	46.9	24.168	90.3	1498.3	39893.8	1.5
2550.0	2519.3	1.763	1.582	34.656	27.728	39.418	27.715	46.6	24.401	90.3	1499.1	41085.9	-.2
2600.0	2568.4	1.743	1.558	34.658	27.731	39.646	27.718	46.4	24.634	90.2	1499.8	42289.1	.4
2650.0	2617.4	1.722	1.533	34.660	27.735	39.873	27.721	46.2	24.866	90.3	1500.6	43503.5	1.6
2700.0	2666.5	1.702	1.509	34.662	27.738	40.100	27.724	45.9	25.096	90.2	1501.3	44728.8	2.5
2750.0	2715.5	1.685	1.488	34.663	27.740	40.326	27.726	45.8	25.325	90.2	1502.1	45965.2	-1.2
2800.0	2764.6	1.669	1.467	34.665	27.744	40.552	27.729	45.6	25.554	90.2	1502.9	47212.5	1.4
2850.0	2813.6	1.650	1.444	34.666	27.746	40.778	27.731	45.4	25.781	90.2	1503.6	48470.8	-1.7
2900.0	2862.6	1.635	1.425	34.667	27.749	41.003	27.734	45.2	26.008	90.2	1504.4	49739.8	.4
2950.0	2911.6	1.622	1.407	34.669	27.752	41.228	27.736	45.1	26.234	90.2	1505.2	51019.7	.1
3000.0	2960.6	1.612	1.392	34.670	27.753	41.452	27.737	45.1	26.459	90.2	1506.0	52310.3	-.4
3050.0	3009.6	1.600	1.376	34.672	27.756	41.676	27.740	44.9	26.684	90.2	1506.8	53611.6	.2
3096.0	3054.6	1.593	1.364	34.673	27.757	41.881	27.741	44.9	26.891	90.1	1507.6	54818.3	.0

Station 59 Latitude 32° 53.82'N Longitude 126° 52.05'W 29 Aug 1989 GMT 01:52 Bottom 4350 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.196	19.196	33.599	23.902	23.902	23.902	399.4	.000	89.7	1518.2	.0	.0
10.0	10.0	19.189	19.187	33.600	23.905	23.948	23.904	399.5	.400	89.7	1518.4	2.0	3.0
20.0	19.9	19.193	19.190	33.600	23.904	23.991	23.903	399.9	.799	89.6	1518.6	8.0	-4.1
30.0	29.9	19.184	19.179	33.600	23.907	24.037	23.906	400.0	1.199	89.6	1518.7	17.9	-7.3
40.0	39.9	19.164	19.157	33.611	23.921	24.095	23.919	399.0	1.599	89.7	1518.8	31.9	29.0
50.0	49.8	19.169	19.160	33.620	23.927	24.144	23.925	398.8	1.998	89.8	1519.0	49.8	5.3
60.0	59.8	19.160	19.149	33.626	23.934	24.195	23.932	398.5	2.397	89.8	1519.2	71.7	116.0
70.0	69.8	18.649	18.637	33.723	24.138	24.442	24.135	379.4	2.788	89.6	1518.0	97.5	662.3
80.0	79.7	16.351	16.339	33.518	24.531	24.882	24.528	342.0	3.145	89.6	1511.1	127.1	77.5
90.0	89.7	15.867	15.853	33.549	24.666	25.061	24.663	329.4	3.481	89.8	1509.8	160.1	158.8
100.0	99.7	15.671	15.655	33.612	24.759	25.198	24.755	320.9	3.805	89.8	1509.4	196.4	47.8
110.0	109.6	15.288	15.272	33.699	24.911	25.395	24.907	306.7	4.119	89.9	1508.5	235.9	124.2
120.0	119.6	14.419	14.401	33.626	25.042	25.572	25.038	294.3	4.421	89.9	1505.8	278.4	138.4
130.0	129.5	14.045	14.027	33.640	25.132	25.707	25.128	286.0	4.713	90.1	1504.8	323.9	193.4
140.0	139.5	13.482	13.463	33.611	25.225	25.846	25.221	277.2	4.994	90.2	1503.0	372.2	120.9
150.0	149.4	12.963	12.943	33.608	25.326	25.993	25.322	267.7	5.266	90.3	1501.4	423.2	131.7
160.0	159.4	12.558	12.537	33.590	25.392	26.105	25.388	261.6	5.530	90.3	1500.2	476.9	165.3
170.0	169.3	11.310	11.289	33.572	25.612	26.374	25.608	240.6	5.781	90.5	1496.0	533.2	177.1
180.0	179.3	10.717	10.695	33.576	25.721	26.530	25.718	230.3	6.016	90.5	1494.1	591.9	181.3
190.0	189.2	9.973	9.951	33.580	25.851	26.708	25.848	217.8	6.239	90.5	1491.6	652.8	69.0
200.0	199.1	9.510	9.488	33.627	25.965	26.868	25.962	207.1	6.452	90.5	1490.1	715.9	204.5
210.0	209.1	9.198	9.175	33.730	26.096	27.046	26.093	194.8	6.652	90.5	1489.2	781.0	72.7
220.0	219.0	9.007	8.983	33.795	26.178	27.173	26.174	187.1	6.843	90.5	1488.7	848.1	100.8
230.0	229.0	8.836	8.812	33.855	26.252	27.293	26.248	180.3	7.026	90.6	1488.4	917.0	88.8
240.0	238.9	8.649	8.624	33.900	26.316	27.404	26.312	174.3	7.203	90.5	1487.9	987.7	39.2
250.0	248.8	8.420	8.394	33.937	26.380	27.514	26.376	168.2	7.374	90.6	1487.2	1060.1	56.5
260.0	258.8	8.188	8.161	33.959	26.433	27.614	26.429	163.3	7.540	90.6	1486.5	1134.2	21.0
270.0	268.7	8.023	7.996	33.969	26.465	27.692	26.461	160.4	7.701	90.5	1486.1	1209.9	27.4
280.0	278.6	7.874	7.847	33.975	26.492	27.765	26.487	158.0	7.860	90.5	1485.7	1287.2	17.4
290.0	288.6	7.711	7.682	33.982	26.522	27.841	26.517	155.2	8.017	90.6	1485.2	1366.1	32.9
300.0	298.5	7.516	7.487	33.985	26.551	27.917	26.547	152.4	8.171	90.5	1484.6	1446.5	30.3
310.0	308.4	7.332	7.302	33.987	26.579	27.992	26.575	149.8	8.322	90.4	1484.1	1528.3	32.9
320.0	318.4	7.158	7.128	33.989	26.605	28.065	26.601	147.4	8.471	90.5	1483.6	1611.7	22.0
330.0	328.3	7.031	7.000	33.988	26.622	28.128	26.617	145.9	8.618	90.4	1483.2	1696.6	19.6
340.0	338.2	6.916	6.885	33.989	26.638	28.191	26.634	144.4	8.763	90.4	1482.9	1782.8	19.3
350.0	348.1	6.786	6.753	33.991	26.658	28.257	26.653	142.6	8.906	90.4	1482.6	1870.5	9.9
360.0	358.1	6.677	6.644	33.997	26.677	28.323	26.673	140.9	9.048	90.4	1482.3	1959.7	21.0
370.0	368.0	6.508	6.475	33.993	26.696	28.389	26.692	139.0	9.188	90.3	1481.8	2050.2	19.6
380.0	377.9	6.482	6.448	34.011	26.714	28.452	26.709	137.6	9.326	90.3	1481.9	2142.0	28.1
390.0	387.9	6.369	6.335	34.013	26.730	28.515	26.726	136.0	9.463	90.3	1481.6	2235.3	18.7
400.0	397.8	6.250	6.215	34.015	26.747	28.579	26.743	134.5	9.598	90.3	1481.3	2329.9	23.3
410.0	407.7	6.209	6.173	34.029	26.764	28.642	26.759	133.0	9.732	90.3	1481.3	2425.8	7.8
420.0	417.6	6.070	6.034	34.030	26.782	28.707	26.778	131.3	9.864	90.3	1480.9	2523.0	18.9
430.0	427.5	6.035	5.998	34.044	26.798	28.769	26.793	129.9	9.995	90.3	1481.0	2621.5	16.9
440.0	437.5	5.915	5.877	34.048	26.816	28.833	26.811	128.2	10.124	90.2	1480.6	2721.4	32.4
450.0	447.4	5.812	5.774	34.053	26.833	28.897	26.828	126.6	10.251	90.2	1480.4	2822.4	11.9
460.0	457.3	5.762	5.723	34.067	26.850	28.960	26.845	125.1	10.377	90.2	1480.4	2924.8	7.8
470.0	467.2	5.655	5.615	34.067	26.863	29.020	26.858	123.9	10.502	90.2	1480.1	3028.3	16.2
480.0	477.1	5.602	5.562	34.073	26.874	29.078	26.869	122.9	10.625	90.2	1480.1	3133.1	15.6
490.0	487.1	5.486	5.446	34.080	26.894	29.145	26.889	121.0	10.747	90.2	1479.8	3239.1	15.9
500.0	497.0	5.407	5.366	34.081	26.904	29.202	26.899	120.1	10.868	90.2	1479.6	3346.3	24.4
510.0	506.9	5.279	5.238	34.086	26.924	29.268	26.919	118.2	10.987	90.2	1479.3	3454.7	6.2
520.0	516.8	5.201	5.159	34.094	26.939	29.331	26.934	116.8	11.104	90.2	1479.1	3564.2	21.4
530.0	526.7	5.073	5.030	34.102	26.960	29.399	26.955	114.7	11.220	90.2	1478.8	3674.9	6.8
540.0	536.7	5.038	4.995	34.110	26.970	29.455	26.965	113.9	11.334	90.2	1478.8	3786.7	11.2
550.0	546.6	5.037	4.993	34.136	26.991	29.522	26.986	112.0	11.447	90.3	1479.0	3899.7	13.5
560.0	556.5	4.977	4.932	34.148	27.007	29.585	27.002	110.5	11.559	90.2	1478.9	4013.7	20.6
570.0	566.4	4.874	4.829	34.151	27.022	29.646	27.017	109.1	11.668	90.2	1478.7	4128.8	13.5
580.0	576.3	4.804	4.759	34.153	27.032	29.703	27.026	108.2	11.777	90.3	1478.5	4245.0	10.0
590.0	586.2	4.749	4.703	34.159	27.042	29.760	27.037	107.3	11.885	90.3	1478.5	4362.3	11.5
600.0	596.1	4.703	4.656	34.168	27.055	29.819	27.050	106.1	11.992	90.2	1478.5	4480.7	15.3
610.0	606.0	4.655	4.608	34.178	27.068	29.878	27.063	104.9	12.097	90.3	1478.5	4600.0	27.9
620.0	616.0	4.621	4.573	34.191	27.082	29.939	27.076	103.7	12.201	90.3	1478.5	4720.4	3.5
630.0	625.9	4.602	4.553	34.202	27.093	29.996	27.087	102.7	12.304	90.2	1478.6	4841.9	10.0
640.0	635.8	4.585	4.536	34.218	27.107	30.056	27.102	101.4	12.407	90.2	1478.7	4964.3	13.8
650.0	645.7	4.539	4.489	34.223	27.117	30.112	27.111	100.6	12.507	90.2	1478.7	5087.8	16.7
660.0	655.6	4.509	4.458	34.233	27.128	30.170	27.122	99.6	12.608	90.2	1478.7	5212.2	9.1
670.0	665.5	4.477	4.426	34.243	27.139	30.227	27.134	98.6	12.707	90.3	1478.8	5337.6	14.1
680.0	675.4	4.456	4.404	34.250	27.147	30.282	27.142	97.9	12.805	90.2	1478.9	5464.0	13.8
690.0	685.3	4.417	4.364	34.262	27.161	30.342	27.156	96.6	12.902	90.2	1478.9	5591.3	10.9
700.0	695.2	4.381	4.328	34.273	27.174	30.400	27.168	95.5	12.998	90.2	1478.9	5719.6	14.1
710.0	705.1	4.352	4.298	34.282	27.184	30.457	27.178	94.6	13.093	90.3	1479.0	5848.8	1.5
720.0	715.0	4.333	4.279	34.289	27.191	30.511	27.186	93.9	13.188	90.2	1479.1	5979.0	13.0
730.0	724.9	4.291	4.236	34.298	27.203	30.569	27.197	92.9	13.281	90.2	1479.1	6110.1	10.3
740.0	734.8	4.263	4.207	34.306	27.212	30.624	27.206	92.1	13.373	90.2	1479.1	6242.1	7.1
750.0	744.8	4.250	4.194	34.311	27.218	30.676	27.212	91.6	13.465	90.2	1479.2	6375.0	9.2
760.0	754.7	4.229	4.171	34.322	27.229	30.732	27.222	90.7	13.557	90.2	1479.3	6508.8	11.2
770.0	764.5	4.212	4.154	34.327	27.235	30.785	27.229	90.2	13.647	90.2	1479.4	6643.4	4.8
780.0	774.5	4.189	4.131	34.334	27.243	30.839	27.236	89.5	13.737	90.2	1479.5	6779.0	8.3
790.0	784.4	4.169	4.109	34.342	27.251	30.893	27.245	88.7	13.826	90.2	1479.6	6915.5	7.1
800.0	794.3	4.122	4.062	34.348	27.261	30.949	27.254	87.9	13.914	90.3	1479.6	7052.8	7.1
810.0	804.2	4.108	4.047	34.353	27.266	31.001	27.260	87.4	14.002	90.2	1479.7	7191.0	6.3
820.0	814.1	4.099	4.037	34.362	27.275	31.055	27.268	86.7	14.089	90.2	1479.8	7330.0	6.8
830.0	824.0	4.083	4.021	34.369	27.282	31.109	27.276	86.0	14.175	90.2	1479.9	7469.9	4.2
840.0	833.9	4.065	4.002	34.377	27.290	31.163	27.283	85.4	14.261	90.2	1480.0	7610.6	6.3
850.0	843.8	4.046	3.983	34.382	27.297	31.215	27.290	84.8	14.346	90.2	1480.1	7752.2	7.7
860.0	853.7	4.024	3.959	34.391	27.306	31.271	27.300	84.0	14.430	90.2	1480.2	7894.6	10.1
870.0	863.5	3.995	3.930	34.398	27.315	31.326	27.308	83.2	14.514	90.2	1480.3	8037.9	3.1
880.0	873.5	3.979	3.913	34.404	27.321	31.378	27.314	82.7	14.597	90.2	1480.4	8181.9	5.4
890.0	883.3	3.961	3.895	34.409	27.327	31.430	27.320	82.2	14.679	90.2	1480.5	8326.8	7.2
900.0	893.2	3.936	3.869	34.415	27.334	31.483	27.327	81.6	14.761	90.2	1480.5	8472.4	4.8
910.0	903.1	3.901	3.834	34.422	27.343	31.539	27.336	80.7	14.842	90.2	1480.6	8618.9	4.5
920.0	913.0	3.885	3.817	34.427	27.349	31.591	27.342	80.2	14.923	90.2	1480.7	8766.2	5.7
930.0	922.9	3.869	3.800	34.433	27.355	31.643	27.349	79.7	15.003	90.2	1480.8	8914.2	9.2
940.0	932.8	3.855	3.786	34.441	27.364	31.697	27.357	79.0	15.082	90.2	1480.9	9063.0	10.7
950.0	942.7	3.829	3.759	34.445	27.369	31.749	27.362	78.5	15.161	90.2	1481.0	9212.6	5.4
960.0	952.6	3.806	3.735	34.449	27.375	31.801	27.368	78.0	15.239	90.2	1481.0	9363.0	5.7
970.0	962.5	3.791	3.720	34.451	27.378	31.850	27.371	77.7	15.317	90.1	1481.1	9514.1	7.8
980.0	972.4	3.754	3.682	34.456	27.386	31.904	27.379	77.0	15.394	90.2	1481.1	9666.0	6.6
990.0	982.3	3.734	3.661	34.460	27.391	31.956	27.384	76.6	15.471	90.3	1481.2	9818.6	6.9

Station 59 Latitude 32° 53.82'N Longitude 126° 52.05'W 29 Aug 1989 GMT 01:52 Bottom 4350 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
1000.0	992.2	3.709	3.636	34.463	27.396	32.007	27.388	76.1	15.547	90.2	1481.3	9972.0	5.8
1020.0	1011.9	3.663	3.588	34.470	27.406	32.109	27.399	75.2	15.699	90.2	1481.4	10281.0	4.0
1040.0	1031.7	3.618	3.542	34.475	27.415	32.210	27.407	74.5	15.849	90.2	1481.6	10593.0	4.3
1060.0	1051.5	3.575	3.498	34.481	27.424	32.312	27.416	73.7	15.997	90.3	1481.7	10907.8	6.7
1080.0	1071.3	3.533	3.454	34.486	27.432	32.412	27.424	73.0	16.143	90.2	1481.9	11225.6	.5
1100.0	1091.0	3.487	3.407	34.490	27.440	32.513	27.432	72.3	16.288	90.2	1482.0	11546.2	4.6
1120.0	1110.8	3.443	3.362	34.496	27.449	32.614	27.441	71.5	16.432	90.2	1482.2	11869.6	11.1
1140.0	1130.6	3.390	3.308	34.504	27.460	32.717	27.452	70.5	16.574	90.2	1482.3	12195.8	3.2
1160.0	1150.3	3.339	3.256	34.509	27.470	32.820	27.462	69.6	16.714	90.2	1482.4	12524.8	2.6
1180.0	1170.1	3.310	3.226	34.513	27.475	32.917	27.467	69.1	16.853	90.2	1482.6	12856.5	4.7
1200.0	1189.9	3.270	3.184	34.517	27.483	33.017	27.475	68.5	16.990	90.2	1482.8	13190.9	5.3
1220.0	1209.6	3.242	3.155	34.520	27.488	33.114	27.479	68.1	17.127	90.2	1483.0	13527.9	4.4
1240.0	1229.4	3.203	3.114	34.525	27.495	33.214	27.487	67.4	17.263	90.2	1483.2	13867.6	.9
1260.0	1249.1	3.158	3.068	34.529	27.503	33.314	27.495	66.7	17.397	90.2	1483.3	14210.0	5.9
1280.0	1268.9	3.123	3.031	34.532	27.508	33.411	27.500	66.2	17.530	90.2	1483.5	14554.9	2.7
1300.0	1288.6	3.082	2.990	34.536	27.516	33.511	27.507	65.6	17.662	90.1	1483.7	14902.5	2.7
1320.0	1308.4	3.044	2.951	34.539	27.521	33.609	27.513	65.1	17.792	90.1	1483.9	15252.5	2.7
1340.0	1328.1	3.008	2.913	34.543	27.528	33.708	27.520	64.4	17.922	90.2	1484.0	15605.2	1.8
1360.0	1347.9	2.982	2.886	34.545	27.532	33.804	27.524	64.1	18.050	90.1	1484.3	15960.3	5.1
1380.0	1367.6	2.951	2.854	34.549	27.538	33.901	27.529	63.6	18.178	90.1	1484.5	16317.9	.7
1400.0	1387.3	2.920	2.821	34.551	27.543	33.999	27.535	63.1	18.305	90.2	1484.7	16678.0	6.0
1420.0	1407.1	2.888	2.788	34.554	27.549	34.096	27.539	62.7	18.431	90.2	1484.9	17040.6	.4
1440.0	1426.8	2.851	2.750	34.558	27.555	34.194	27.546	62.1	18.556	90.1	1485.0	17405.6	5.1
1460.0	1446.6	2.813	2.711	34.561	27.560	34.292	27.551	61.6	18.679	90.2	1485.2	17773.0	6.3
1480.0	1466.3	2.780	2.677	34.564	27.566	34.389	27.557	61.1	18.802	90.2	1485.4	18142.8	5.7
1500.0	1486.0	2.742	2.637	34.568	27.572	34.488	27.563	60.5	18.923	90.1	1485.6	18515.0	3.4
1520.0	1505.8	2.710	2.604	34.570	27.577	34.585	27.568	60.0	19.044	90.2	1485.8	18889.5	4.0
1540.0	1525.5	2.670	2.562	34.573	27.583	34.684	27.574	59.4	19.163	90.2	1485.9	19266.4	1.6
1560.0	1545.2	2.636	2.527	34.576	27.589	34.781	27.580	58.9	19.281	90.1	1486.1	19645.6	3.1
1580.0	1564.9	2.614	2.504	34.578	27.592	34.876	27.583	58.6	19.399	90.1	1486.4	20027.0	2.0
1600.0	1584.7	2.580	2.469	34.581	27.597	34.973	27.588	58.1	19.516	90.1	1486.6	20410.7	.5
1620.0	1604.4	2.553	2.441	34.583	27.602	35.069	27.592	57.8	19.632	90.1	1486.8	20796.7	2.3
1640.0	1624.1	2.533	2.419	34.584	27.604	35.163	27.594	57.6	19.747	90.1	1487.0	21185.0	1.1
1660.0	1643.8	2.507	2.391	34.586	27.608	35.259	27.598	57.2	19.862	90.1	1487.3	21575.4	4.1
1680.0	1663.5	2.478	2.362	34.589	27.613	35.355	27.603	56.8	19.976	90.1	1487.5	21968.1	1.4
1700.0	1683.2	2.448	2.330	34.592	27.618	35.453	27.608	56.3	20.089	90.2	1487.7	22363.0	5.6
1720.0	1702.9	2.424	2.304	34.593	27.621	35.547	27.611	56.0	20.201	90.1	1487.9	22760.1	2.3
1740.0	1722.7	2.404	2.283	34.596	27.625	35.642	27.615	55.7	20.313	90.2	1488.2	23159.3	.9
1760.0	1742.4	2.375	2.253	34.598	27.629	35.738	27.619	55.3	20.424	90.1	1488.4	23560.7	3.0
1780.0	1762.1	2.331	2.208	34.600	27.635	35.836	27.624	54.7	20.534	90.1	1488.5	23964.2	5.3
1800.0	1781.8	2.307	2.183	34.602	27.638	35.931	27.628	54.4	20.643	90.1	1488.8	24369.8	1.2
1820.0	1801.5	2.282	2.156	34.605	27.643	36.027	27.632	53.9	20.751	90.1	1489.0	24777.6	1.8
1840.0	1821.2	2.265	2.138	34.606	27.645	36.120	27.635	53.8	20.859	90.1	1489.2	25187.4	3.0
1860.0	1840.9	2.238	2.110	34.609	27.650	36.217	27.639	53.3	20.966	90.2	1489.5	25599.3	1.8
1880.0	1860.6	2.221	2.091	34.610	27.652	36.310	27.642	53.1	21.072	90.1	1489.7	26013.3	2.4
1900.0	1880.3	2.201	2.069	34.613	27.656	36.405	27.645	52.7	21.178	90.1	1490.0	26429.3	4.2
1920.0	1899.9	2.182	2.049	34.615	27.659	36.500	27.648	52.5	21.283	90.1	1490.2	26847.4	.7
1940.0	1919.6	2.149	2.015	34.617	27.664	36.596	27.653	52.0	21.388	90.1	1490.4	27267.5	4.0
1960.0	1939.3	2.128	1.993	34.619	27.667	36.691	27.656	51.6	21.491	90.1	1490.7	27689.5	3.1
1980.0	1959.0	2.103	1.966	34.622	27.671	36.786	27.660	51.2	21.594	90.1	1490.9	28113.6	.5
2000.0	1978.7	2.090	1.952	34.624	27.674	36.880	27.663	51.0	21.697	90.1	1491.2	28539.7	1.9
2050.0	2027.9	2.051	1.909	34.629	27.681	37.114	27.670	50.4	21.950	90.1	1491.9	29613.4	1.7
2100.0	2077.1	2.007	1.862	34.634	27.690	37.350	27.678	49.7	22.200	90.1	1492.5	30699.2	2.9
2150.0	2126.3	1.977	1.828	34.637	27.694	37.581	27.683	49.3	22.447	90.1	1493.2	31797.0	1.8
2200.0	2175.4	1.941	1.788	34.640	27.699	37.813	27.688	48.8	22.692	90.1	1493.9	32906.7	-.2
2250.0	2224.6	1.911	1.755	34.643	27.705	38.044	27.693	48.4	22.935	90.1	1494.6	34028.1	.4
2300.0	2273.7	1.880	1.719	34.646	27.710	38.275	27.698	48.0	23.176	90.1	1495.3	35161.1	2.8
2350.0	2322.8	1.854	1.689	34.647	27.713	38.504	27.701	47.7	23.416	90.1	1496.1	36305.7	1.6
2400.0	2372.0	1.829	1.660	34.649	27.717	38.733	27.704	47.5	23.653	90.1	1496.8	37461.7	.2
2450.0	2421.1	1.805	1.632	34.651	27.721	38.962	27.708	47.2	23.890	90.1	1497.5	38629.1	.6
2500.0	2470.2	1.778	1.602	34.653	27.725	39.190	27.711	46.9	24.125	90.1	1498.3	39807.8	1.5
2550.0	2519.3	1.754	1.574	34.655	27.728	39.419	27.714	46.6	24.359	90.1	1499.0	40997.7	1.8
2600.0	2568.3	1.733	1.548	34.658	27.732	39.647	27.719	46.3	24.591	90.1	1499.8	42198.8	.7
2650.0	2617.4	1.710	1.521	34.661	27.737	39.875	27.722	45.9	24.821	90.2	1500.5	43410.9	-.2
2700.0	2666.4	1.691	1.498	34.662	27.739	40.102	27.725	45.8	25.051	90.0	1501.3	44634.1	2.8
2750.0	2715.5	1.672	1.474	34.664	27.743	40.329	27.728	45.5	25.279	90.1	1502.0	45868.2	.8
2800.0	2764.5	1.654	1.453	34.665	27.745	40.555	27.730	45.4	25.506	90.1	1502.8	47113.2	.3
2850.0	2813.5	1.634	1.428	34.667	27.748	40.781	27.733	45.1	25.732	90.1	1503.6	48369.0	1.2
2900.0	2862.5	1.616	1.406	34.669	27.751	41.007	27.736	44.9	25.958	90.0	1504.4	49635.6	.9
2950.0	2911.5	1.604	1.389	34.670	27.753	41.231	27.737	44.8	26.182	90.1	1505.2	50912.9	.4
3000.0	2960.5	1.595	1.375	34.671	27.755	41.455	27.739	44.8	26.406	90.0	1506.0	52200.9	-.1
3050.0	3009.5	1.583	1.360	34.673	27.758	41.679	27.742	44.6	26.629	90.0	1506.8	53499.5	2.5
3100.0	3058.5	1.576	1.347	34.674	27.759	41.902	27.743	44.6	26.852	90.0	1507.6	54808.8	-1.8
3106.0	3064.3	1.576	1.347	34.673	27.759	41.928	27.743	44.6	26.879	90.1	1507.7	54966.7	.0

Station 60 Latitude 32° 45.13'N Longitude 126° 31.27'W 29 Aug 1989 GMT 05:37 Bottom 4350 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m³	Sigma-z kg/m³	Sigma-t kg/m³	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
.0	.0	18.894	18.894	33.326	23.770	23.770	23.770	412.0	.000	89.8	1517.1	.0	.0
10.0	10.0	18.886	18.884	33.326	23.773	23.816	23.772	412.1	.412	89.9	1517.2	2.1	-3.2
20.0	19.9	18.889	18.886	33.325	23.771	23.858	23.771	412.5	.824	89.4	1517.4	8.2	1.4
30.0	29.9	18.904	18.899	33.337	23.777	23.907	23.775	412.4	1.237	89.8	1517.6	18.5	4.5
40.0	39.9	19.101	19.094	33.596	23.926	24.100	23.924	398.5	1.643	89.7	1518.6	32.9	73.2
50.0	49.8	18.702	18.694	33.616	24.042	24.259	24.040	387.8	2.036	89.8	1517.7	51.2	393.5
60.0	59.8	15.747	15.738	33.352	24.540	24.804	24.538	340.4	2.397	89.8	1508.7	73.3	293.1
70.0	69.8	14.849	14.838	33.313	24.707	25.016	24.705	324.8	2.728	89.7	1506.0	98.9	156.2
80.0	79.7	14.436	14.424	33.349	24.823	25.177	24.821	313.9	3.048	89.8	1504.9	127.6	175.2
90.0	89.7	14.627	14.614	33.534	24.926	25.323	24.923	304.5	3.357	89.9	1505.9	159.5	116.1
100.0	99.7	13.641	13.627	33.374	25.008	25.452	25.005	296.8	3.658	90.0	1502.6	194.4	91.9
110.0	109.6	13.344	13.329	33.402	25.090	25.579	25.087	289.2	3.951	90.0	1501.8	232.3	50.9
120.0	119.6	12.822	12.806	33.353	25.156	25.690	25.153	283.1	4.238	90.3	1500.2	273.1	81.8
130.0	129.5	12.488	12.470	33.390	25.250	25.830	25.247	274.3	4.518	90.4	1499.2	316.7	94.6
140.0	139.5	12.177	12.159	33.442	25.350	25.975	25.346	265.0	4.788	90.5	1498.4	363.0	116.0
150.0	149.4	11.629	11.610	33.433	25.445	26.117	25.442	256.0	5.049	90.6	1496.6	411.9	86.3
160.0	159.4	11.134	11.115	33.438	25.539	26.257	25.535	247.2	5.301	90.6	1495.1	463.4	111.1
170.0	169.3	10.535	10.515	33.424	25.634	26.398	25.630	238.3	5.544	90.7	1493.1	517.3	78.8
180.0	179.3	10.245	10.224	33.454	25.707	26.518	25.704	231.4	5.778	90.7	1492.2	573.7	69.4
190.0	189.2	9.887	9.865	33.531	25.828	26.685	25.825	220.0	6.004	90.8	1491.2	632.2	104.1
200.0	199.1	9.581	9.559	33.610	25.940	26.843	25.936	209.5	6.218	90.9	1490.3	693.0	139.8
210.0	209.1	9.236	9.213	33.726	26.087	27.037	26.083	195.6	6.421	90.7	1489.4	755.8	162.0
220.0	219.0	9.040	9.017	33.799	26.175	27.170	26.171	187.4	6.611	90.7	1488.9	820.6	17.9
230.0	228.9	8.902	8.878	33.835	26.226	27.267	26.222	182.8	6.798	90.7	1488.6	887.2	115.4
240.0	238.9	8.616	8.591	33.906	26.326	27.413	26.322	173.3	6.975	90.7	1487.7	955.7	54.2
250.0	248.8	8.423	8.397	33.935	26.378	27.512	26.374	168.5	7.146	90.7	1487.2	1025.8	26.6
260.0	258.8	8.255	8.229	33.954	26.419	27.599	26.415	164.7	7.313	90.7	1486.8	1097.6	35.1
270.0	268.7	8.103	8.076	33.964	26.449	27.676	26.445	161.9	7.476	90.8	1486.4	1171.1	36.2
280.0	278.6	7.932	7.904	33.975	26.484	27.756	26.479	158.8	7.636	90.7	1485.9	1246.2	18.0
290.0	288.6	7.760	7.732	33.981	26.513	27.832	26.509	156.0	7.794	90.7	1485.4	1322.8	12.4
300.0	298.5	7.564	7.535	33.987	26.546	27.912	26.542	153.0	7.948	90.7	1484.8	1401.0	15.0
310.0	308.4	7.420	7.391	33.984	26.564	27.977	26.560	151.3	8.101	90.7	1484.4	1480.7	6.8
320.0	318.4	7.324	7.293	33.984	26.578	28.036	26.573	150.1	8.252	90.6	1484.2	1561.8	10.9
330.0	328.3	7.197	7.165	33.986	26.598	28.103	26.593	148.3	8.401	90.6	1483.9	1644.5	13.5
340.0	338.2	7.071	7.040	33.984	26.614	28.165	26.609	146.9	8.549	90.6	1483.5	1728.7	21.1
350.0	348.1	6.905	6.873	33.988	26.639	28.237	26.635	144.5	8.694	90.6	1483.0	1814.3	29.9
360.0	358.1	6.788	6.755	33.990	26.656	28.301	26.652	142.9	8.838	90.6	1482.7	1901.3	12.0
370.0	368.0	6.650	6.616	33.999	26.682	28.373	26.677	140.6	8.980	90.6	1482.4	1989.7	14.3
380.0	377.9	6.576	6.542	34.008	26.699	28.437	26.694	139.0	9.120	90.6	1482.3	2079.6	16.9
390.0	387.8	6.495	6.460	34.012	26.713	28.497	26.709	137.7	9.259	90.5	1482.1	2170.8	29.8
400.0	397.8	6.371	6.335	34.012	26.729	28.560	26.725	136.2	9.396	90.6	1481.8	2263.3	17.8
410.0	407.7	6.308	6.271	34.023	26.747	28.623	26.742	134.7	9.531	90.6	1481.7	2357.2	13.1
420.0	417.6	6.147	6.110	34.022	26.766	28.690	26.761	132.8	9.665	90.5	1481.2	2452.5	16.3
430.0	427.5	6.017	5.980	34.021	26.782	28.753	26.777	131.3	9.797	90.5	1480.9	2549.1	17.2
440.0	437.5	5.912	5.874	34.026	26.799	28.817	26.794	129.8	9.927	90.5	1480.6	2646.9	15.1
450.0	447.4	5.945	5.906	34.066	26.827	28.890	26.822	127.3	10.056	90.5	1481.0	2746.0	14.8
460.0	457.3	5.994	5.954	34.085	26.835	28.943	26.830	126.7	10.183	90.5	1481.3	2846.4	17.5
470.0	467.2	5.946	5.905	34.097	26.851	29.005	26.846	125.3	10.309	90.4	1481.3	2948.1	21.0
480.0	477.1	5.875	5.834	34.100	26.862	29.063	26.857	124.3	10.434	90.5	1481.2	3051.0	10.4
490.0	487.1	5.820	5.778	34.105	26.874	29.120	26.868	123.3	10.558	90.5	1481.2	3155.1	23.9
500.0	497.0	5.685	5.642	34.103	26.888	29.182	26.883	121.9	10.680	90.4	1480.8	3260.4	11.6
510.0	506.9	5.650	5.607	34.123	26.908	29.249	26.903	120.1	10.801	90.4	1480.8	3366.9	20.7
520.0	516.8	5.483	5.440	34.111	26.919	29.307	26.914	119.0	10.921	90.4	1480.3	3474.6	12.1
530.0	526.7	5.469	5.425	34.124	26.931	29.365	26.926	118.0	11.040	90.4	1480.4	3583.5	11.6
540.0	536.7	5.370	5.325	34.124	26.943	29.424	26.938	116.8	11.157	90.5	1480.2	3693.6	1.9
550.0	546.6	5.297	5.252	34.128	26.955	29.483	26.950	115.7	11.273	90.5	1480.0	3804.8	29.7
560.0	556.5	5.217	5.171	34.134	26.969	29.543	26.964	114.4	11.388	90.5	1479.9	3917.1	13.0
570.0	566.4	5.147	5.101	34.143	26.984	29.604	26.978	113.1	11.502	90.4	1479.8	4030.6	20.0
580.0	576.3	5.045	4.998	34.150	27.001	29.669	26.996	111.4	11.615	90.5	1479.5	4145.2	17.4
590.0	586.2	4.996	4.949	34.158	27.014	29.728	27.008	110.3	11.725	90.5	1479.5	4260.9	14.7
600.0	596.1	4.903	4.856	34.162	27.027	29.788	27.022	109.0	11.835	90.4	1479.3	4377.6	11.5
610.0	606.0	4.807	4.759	34.167	27.042	29.850	27.036	107.6	11.943	90.5	1479.1	4495.5	21.2
620.0	616.0	4.696	4.647	34.178	27.063	29.919	27.058	105.5	12.050	90.5	1478.8	4614.4	20.0
630.0	625.9	4.640	4.591	34.188	27.078	29.980	27.072	104.2	12.155	90.5	1478.7	4734.3	4.1
640.0	635.8	4.605	4.556	34.199	27.090	30.039	27.084	103.1	12.258	90.5	1478.8	4855.3	15.0
650.0	645.7	4.583	4.533	34.208	27.099	30.094	27.094	102.3	12.361	90.5	1478.9	4977.3	6.5
660.0	655.6	4.559	4.508	34.218	27.110	30.151	27.105	101.3	12.463	90.5	1478.9	5100.3	4.7
670.0	665.5	4.529	4.478	34.231	27.124	30.212	27.119	100.1	12.564	90.4	1479.0	5224.2	22.9
680.0	675.4	4.509	4.457	34.242	27.135	30.269	27.130	99.1	12.663	90.5	1479.1	5349.2	8.0
690.0	685.3	4.551	4.498	34.259	27.144	30.322	27.138	98.5	12.762	90.5	1479.4	5475.2	2.1
700.0	695.2	4.584	4.530	34.278	27.156	30.379	27.150	97.5	12.860	90.4	1479.8	5602.1	16.5
710.0	705.1	4.519	4.465	34.287	27.170	30.440	27.164	96.2	12.957	90.5	1479.7	5729.9	19.7
720.0	715.0	4.403	4.348	34.286	27.182	30.499	27.176	95.0	13.052	90.4	1479.4	5858.8	13.3
730.0	724.9	4.399	4.343	34.294	27.189	30.552	27.183	94.4	13.147	90.5	1479.5	5988.5	9.8
740.0	734.8	4.337	4.281	34.300	27.201	30.611	27.194	93.3	13.241	90.5	1479.4	6119.2	11.8
750.0	744.7	4.311	4.254	34.313	27.213	30.669	27.207	92.2	13.334	90.4	1479.5	6250.8	6.2
760.0	754.7	4.285	4.227	34.321	27.222	30.726	27.217	91.3	13.425	90.4	1479.6	6383.3	10.1
770.0	764.5	4.277	4.219	34.333	27.233	30.782	27.227	90.4	13.516	90.4	1479.7	6516.7	13.0
780.0	774.5	4.260	4.201	34.342	27.242	30.836	27.236	89.7	13.606	90.4	1479.8	6651.0	8.6
790.0	784.3	4.225	4.165	34.349	27.251	30.892	27.245	88.8	13.696	90.4	1479.8	6786.1	13.0
800.0	794.3	4.188	4.128	34.356	27.261	30.948	27.255	88.0	13.784	90.5	1479.9	6922.2	12.7
810.0	804.2	4.172	4.111	34.363	27.268	31.001	27.261	87.4	13.872	90.6	1480.0	7059.1	9.8
820.0	814.0	4.124	4.063	34.371	27.279	31.059	27.273	86.3	13.959	90.5	1479.9	7196.8	8.0
830.0	824.0	4.108	4.046	34.377	27.286	31.112	27.280	85.7	14.045	90.5	1480.1	7335.4	6.3
840.0	833.8	4.079	4.016	34.384	27.294	31.167	27.288	85.0	14.130	90.4	1480.1	7474.9	8.6
850.0	843.8	4.059	3.995	34.391	27.302	31.221	27.296	84.3	14.215	90.4	1480.2	7615.2	6.6
860.0	853.7	4.026	3.962	34.394	27.309	31.273	27.302	83.8	14.299	90.4	1480.2	7756.3	6.6
870.0	863.5	4.000	3.935	34.400	27.316	31.326	27.309	83.1	14.382	90.4	1480.3	7898.2	7.5
880.0	873.4	3.977	3.911	34.409	27.325	31.382	27.318	82.3	14.465	90.5	1480.4	8040.9	9.8
890.0	883.3	3.955	3.888	34.413	27.331	31.434	27.324	81.8	14.547	90.5	1480.4	8184.5	7.5
900.0	893.2	3.932	3.865	34.418	27.338	31.487	27.331	81.2	14.629	90.5	1480.5	8328.8	5.7
910.0	903.1	3.908	3.841	34.423	27.344	31.539	27.337	80.7	14.710	90.4	1480.6	8474.0	4.3
920.0	913.0	3.876	3.808	34.431	27.353	31.595	27.346	79.8	14.790	90.4	1480.6	8619.9	10.1
930.0	922.9	3.859	3.790	34.435	27.358	31.646	27.351	79.4	14.870	90.4	1480.7	8766.7	8.7
940.0	932.8	3.828	3.758	34.442	27.367	31.701	27.360	78.6	14.949	90.4	1480.8	8914.2	5.4
950.0	942.7	3.810	3.740	34.445	27.371	31.751	27.364	78.3	15.027	90.4	1480.9	9062.4	4.0
960.0	952.6	3.783	3.712	34.449	27.377	31.804	27.370	77.7	15.105	90.4	1480.9	9211.5	7.8
970.0	962.5	3.765	3.694	34.451	27.381	31.854	27.374	77.4	15.183	90.4	1481.0	9361.3	6.9
980.0	972.4	3.748	3.676	34.454	27.385	31.903	27.378	77.1	15.260	90.4	1481.1	9511.8	4.9
990.0	982.3	3.734	3.661	34.458	27.389	31.954	27.382	76.7	15.337	90.4	1481.2	9663.1	4.6

Station 60 Latitude 32° 45.13'N Longitude 126° 31.27'W 29 Aug 1989 GMT 05:37 Bottom 4350 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.716	3.643	34.461	27.393	32.004	27.386	76.4	15.413	90.4	1481.3	9815.2	5.5
1020.0	1011.9	3.674	3.599	34.467	27.403	32.105	27.395	75.6	15.565	90.5	1481.5	10121.6	5.2
1040.0	1031.7	3.633	3.557	34.473	27.412	32.207	27.404	74.8	15.716	90.4	1481.6	10430.9	8.4
1060.0	1051.5	3.579	3.502	34.479	27.422	32.310	27.414	73.9	15.864	90.4	1481.8	10743.1	3.2
1080.0	1071.3	3.530	3.451	34.486	27.432	32.412	27.425	73.0	16.011	90.4	1481.9	11058.3	4.9
1100.0	1091.0	3.472	3.392	34.492	27.442	32.515	27.435	72.0	16.156	90.4	1482.0	11376.3	4.3
1120.0	1110.8	3.426	3.345	34.497	27.451	32.617	27.444	71.2	16.299	90.4	1482.1	11697.1	2.3
1140.0	1130.6	3.375	3.293	34.504	27.461	32.720	27.454	70.3	16.441	90.4	1482.2	12020.7	3.5
1160.0	1150.3	3.334	3.250	34.508	27.469	32.819	27.461	69.6	16.581	90.4	1482.4	12347.0	3.5
1180.0	1170.1	3.297	3.213	34.513	27.476	32.919	27.469	69.0	16.719	90.5	1482.6	12676.1	7.3
1200.0	1189.9	3.264	3.178	34.517	27.483	33.018	27.475	68.5	16.857	90.5	1482.8	13007.8	5.0
1220.0	1209.6	3.205	3.118	34.523	27.493	33.121	27.485	67.5	16.993	90.4	1482.9	13342.2	5.0
1240.0	1229.4	3.161	3.073	34.528	27.501	33.221	27.493	66.7	17.127	90.3	1483.0	13679.3	2.9
1260.0	1249.1	3.138	3.048	34.530	27.505	33.317	27.497	66.4	17.260	90.4	1483.3	14018.9	5.6
1280.0	1268.9	3.112	3.021	34.532	27.510	33.413	27.501	66.1	17.393	90.5	1483.5	14361.2	4.7
1300.0	1288.6	3.078	2.986	34.536	27.516	33.512	27.508	65.5	17.524	90.5	1483.7	14706.0	5.6
1320.0	1308.4	3.037	2.943	34.539	27.522	33.610	27.514	65.0	17.654	90.4	1483.8	15053.3	4.2
1340.0	1328.1	2.991	2.896	34.544	27.530	33.711	27.522	64.2	17.784	90.3	1484.0	15403.2	2.4
1360.0	1347.9	2.951	2.855	34.547	27.537	33.809	27.528	63.6	17.911	90.4	1484.1	15755.6	3.0
1380.0	1367.6	2.921	2.824	34.549	27.541	33.906	27.533	63.2	18.038	90.4	1484.3	16110.5	1.8
1400.0	1387.4	2.894	2.795	34.552	27.546	34.002	27.537	62.8	18.164	90.3	1484.6	16467.9	5.1
1420.0	1407.1	2.853	2.753	34.556	27.553	34.102	27.544	62.2	18.289	90.4	1484.7	16827.6	1.9
1440.0	1426.8	2.813	2.712	34.560	27.560	34.201	27.551	61.5	18.413	90.4	1484.9	17189.8	1.3
1460.0	1446.6	2.790	2.687	34.561	27.563	34.296	27.554	61.3	18.535	90.4	1485.1	17554.4	1.0
1480.0	1466.3	2.769	2.665	34.564	27.567	34.391	27.558	61.0	18.658	90.5	1485.4	17921.4	4.2
1500.0	1486.0	2.731	2.626	34.568	27.573	34.490	27.564	60.3	18.779	90.4	1485.5	18290.7	5.7
1520.0	1505.8	2.694	2.588	34.570	27.579	34.588	27.570	59.8	18.899	90.4	1485.7	18662.4	3.7
1540.0	1525.5	2.659	2.552	34.573	27.584	34.685	27.575	59.3	19.018	90.4	1485.9	19036.4	2.2
1560.0	1545.2	2.626	2.518	34.575	27.588	34.781	27.579	58.9	19.137	90.3	1486.1	19412.7	2.5
1580.0	1564.9	2.596	2.486	34.577	27.593	34.878	27.584	58.5	19.254	90.4	1486.3	19791.3	3.4
1600.0	1584.7	2.559	2.448	34.579	27.598	34.975	27.589	58.0	19.371	90.4	1486.5	20172.2	2.8
1620.0	1604.4	2.520	2.407	34.583	27.605	35.074	27.595	57.4	19.486	90.4	1486.6	20555.3	5.5
1640.0	1624.1	2.491	2.378	34.585	27.609	35.170	27.599	57.0	19.600	90.4	1486.9	20940.7	.8
1660.0	1643.8	2.466	2.351	34.588	27.613	35.265	27.603	56.6	19.714	90.4	1487.1	21328.2	2.9
1680.0	1663.5	2.437	2.321	34.590	27.617	35.362	27.608	56.2	19.827	90.3	1487.3	21718.0	4.1
1700.0	1683.2	2.411	2.293	34.592	27.621	35.457	27.611	55.8	19.939	90.3	1487.5	22109.9	3.8
1720.0	1702.9	2.383	2.264	34.595	27.626	35.553	27.616	55.4	20.050	90.4	1487.7	22504.0	2.9
1740.0	1722.7	2.359	2.239	34.596	27.629	35.649	27.619	55.1	20.160	90.4	1488.0	22900.2	1.8
1760.0	1742.4	2.325	2.204	34.599	27.634	35.746	27.624	54.6	20.270	90.4	1488.2	23298.6	1.8
1780.0	1762.1	2.302	2.179	34.601	27.638	35.841	27.628	54.2	20.379	90.3	1488.4	23699.1	1.5
1800.0	1781.8	2.271	2.147	34.604	27.643	35.937	27.632	53.8	20.487	90.3	1488.6	24101.7	2.7
1820.0	1801.5	2.248	2.123	34.606	27.647	36.033	27.636	53.4	20.594	90.3	1488.8	24506.3	1.8
1840.0	1821.2	2.228	2.102	34.608	27.650	36.127	27.639	53.1	20.701	90.3	1489.1	24913.1	2.1
1860.0	1840.9	2.209	2.081	34.610	27.653	36.221	27.642	52.9	20.807	90.4	1489.3	25321.8	.1
1880.0	1860.6	2.190	2.061	34.612	27.656	36.316	27.646	52.5	20.912	90.3	1489.6	25732.7	4.2
1900.0	1880.3	2.166	2.035	34.615	27.660	36.411	27.650	52.2	21.017	90.3	1489.8	26145.5	2.7
1920.0	1899.9	2.145	2.013	34.617	27.664	36.507	27.653	51.8	21.121	90.3	1490.1	26560.4	1.3
1940.0	1919.6	2.118	1.985	34.620	27.668	36.602	27.657	51.4	21.224	90.4	1490.3	26977.3	3.9
1960.0	1939.3	2.101	1.966	34.622	27.671	36.697	27.661	51.1	21.327	90.3	1490.6	27396.1	.2
1980.0	1959.0	2.082	1.946	34.624	27.675	36.791	27.664	50.8	21.429	90.3	1490.8	27817.0	3.1
2000.0	1978.7	2.067	1.929	34.625	27.677	36.884	27.666	50.7	21.530	90.4	1491.1	28239.7	1.1
2050.0	2027.9	2.020	1.879	34.629	27.684	37.118	27.673	50.0	21.782	90.3	1491.7	29305.3	1.7
2100.0	2077.1	1.984	1.839	34.633	27.690	37.352	27.679	49.5	22.031	90.4	1492.4	30382.8	2.0
2150.0	2126.3	1.944	1.796	34.637	27.696	37.585	27.685	48.9	22.277	90.3	1493.1	31472.3	1.8
2200.0	2175.4	1.904	1.752	34.639	27.702	37.818	27.690	48.4	22.520	90.3	1493.8	32573.6	.0
2250.0	2224.6	1.874	1.718	34.642	27.707	38.048	27.695	48.0	22.761	90.3	1494.5	33686.5	.7
2300.0	2273.7	1.852	1.692	34.645	27.711	38.278	27.699	47.7	23.001	90.4	1495.2	34810.9	.7
2350.0	2322.9	1.830	1.666	34.648	27.715	38.508	27.703	47.4	23.238	90.3	1496.0	35946.8	1.3
2400.0	2372.0	1.805	1.637	34.650	27.719	38.737	27.707	47.1	23.475	90.3	1496.7	37094.1	-.1
2450.0	2421.1	1.780	1.608	34.652	27.723	38.966	27.710	46.8	23.710	90.3	1497.4	38252.7	.8
2500.0	2470.2	1.752	1.576	34.655	27.727	39.195	27.715	46.4	23.943	90.3	1498.2	39422.5	2.3
2550.0	2519.3	1.737	1.557	34.657	27.730	39.422	27.717	46.3	24.175	90.3	1498.9	40603.4	2.4
2600.0	2568.3	1.722	1.538	34.659	27.734	39.649	27.720	46.1	24.405	90.3	1499.7	41795.5	-1.4
2650.0	2617.4	1.699	1.511	34.661	27.737	39.877	27.723	45.8	24.635	90.3	1500.5	42998.5	.7
2700.0	2666.5	1.685	1.492	34.663	27.740	40.104	27.726	45.6	24.864	90.3	1501.3	44212.5	3.4
2750.0	2715.5	1.668	1.471	34.665	27.743	40.330	27.729	45.4	25.091	90.3	1502.0	45437.5	.5
2800.0	2764.5	1.652	1.451	34.666	27.746	40.555	27.731	45.3	25.318	90.3	1502.8	46673.2	.6
2850.0	2813.6	1.634	1.429	34.668	27.749	40.782	27.734	45.1	25.544	90.4	1503.6	47919.8	-.3
2900.0	2862.6	1.621	1.411	34.669	27.751	41.007	27.736	44.9	25.769	90.3	1504.4	49177.2	-.5
2950.0	2911.6	1.609	1.394	34.670	27.753	41.231	27.737	44.8	25.993	90.3	1505.2	50445.3	-1.1
3000.0	2960.5	1.596	1.377	34.672	27.756	41.455	27.740	44.7	26.217	90.3	1506.0	51724.0	.7
3050.0	3009.5	1.585	1.361	34.673	27.758	41.679	27.742	44.6	26.440	90.3	1506.8	53013.5	.5
3100.0	3058.5	1.573	1.344	34.675	27.760	41.903	27.744	44.5	26.663	90.3	1507.6	54313.5	-.6
3124.0	3082.0	1.569	1.338	34.675	27.761	42.010	27.744	44.5	26.770	90.2	1508.0	54941.3	.0

Station 61 Latitude 32° 31.56'N Longitude 126° 39.32'W 29 Aug 1989 GMT 08:48 Bottom 4375 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.187	19.187	33.607	23.910	23.910	23.910	398.6	.000	89.8	1518.2	.0	.0
10.0	10.0	19.197	19.195	33.607	23.909	23.952	23.909	399.1	.399	89.8	1518.4	2.0	-6.0
20.0	19.9	19.224	19.221	33.618	23.910	23.997	23.909	399.3	.798	89.8	1518.7	8.0	19.2
30.0	29.9	19.229	19.223	33.664	23.945	24.075	23.943	396.4	1.196	89.9	1518.9	17.9	41.3
40.0	39.9	19.215	19.207	33.677	23.959	24.132	23.957	395.4	1.592	90.0	1519.0	31.8	9.7
50.0	49.8	19.188	19.180	33.679	23.968	24.184	23.965	395.0	1.987	90.1	1519.1	49.6	21.7
60.0	59.8	18.755	18.744	33.694	24.089	24.349	24.086	383.7	2.379	89.8	1518.1	71.4	676.1
70.0	69.8	16.250	16.239	33.534	24.566	24.874	24.564	338.3	2.732	89.9	1510.6	96.9	201.6
80.0	79.7	15.536	15.524	33.559	24.747	25.099	24.744	321.4	3.060	90.0	1508.6	125.7	116.3
90.0	89.7	15.179	15.165	33.604	24.861	25.257	24.858	310.8	3.375	90.1	1507.7	157.8	98.6
100.0	99.7	14.726	14.711	33.566	24.930	25.371	24.926	304.4	3.683	90.1	1506.4	192.9	106.5
110.0	109.6	14.199	14.184	33.554	25.032	25.518	25.028	294.9	3.982	90.1	1504.8	231.1	27.0
120.0	119.6	13.975	13.958	33.650	25.153	25.684	25.149	283.6	4.272	90.3	1504.4	272.2	100.8
130.0	129.5	13.394	13.376	33.630	25.257	25.834	25.253	273.9	4.550	90.5	1502.6	316.1	81.1
140.0	139.5	12.718	12.700	33.597	25.366	25.989	25.362	263.7	4.819	90.6	1500.4	362.7	111.1
150.0	149.4	12.234	12.215	33.605	25.466	26.135	25.462	254.3	5.078	90.7	1499.0	411.9	127.1
160.0	159.4	11.683	11.663	33.562	25.536	26.251	25.532	247.8	5.328	90.7	1497.2	463.7	37.7
170.0	169.3	11.522	11.501	33.617	25.609	26.369	25.605	241.0	5.573	90.7	1496.8	517.9	91.3
180.0	179.3	10.868	10.847	33.609	25.720	26.528	25.717	230.4	5.809	90.8	1494.7	574.5	48.1
190.0	189.2	10.407	10.385	33.656	25.838	26.692	25.834	219.4	6.035	90.7	1493.2	633.4	248.3
200.0	199.1	10.073	10.050	33.687	25.919	26.819	25.915	211.7	6.249	90.8	1492.2	694.5	51.8
210.0	209.1	9.639	9.615	33.746	26.038	26.985	26.034	200.5	6.456	90.8	1490.9	757.7	113.8
220.0	219.0	9.378	9.354	33.795	26.118	27.112	26.115	192.9	6.653	90.8	1490.1	822.8	115.2
230.0	229.0	9.169	9.144	33.854	26.198	27.238	26.194	185.5	6.842	90.8	1489.6	889.9	76.8
240.0	238.9	9.002	8.976	33.898	26.259	27.345	26.255	179.8	7.025	90.8	1489.2	958.8	51.9
250.0	248.8	8.724	8.698	33.925	26.324	27.456	26.320	173.7	7.201	90.8	1488.3	1029.5	43.1
260.0	258.8	8.554	8.527	33.965	26.382	27.560	26.378	168.4	7.373	90.7	1487.9	1101.9	63.3
270.0	268.7	8.386	8.358	33.987	26.425	27.649	26.420	164.4	7.539	90.7	1487.5	1175.9	35.7
280.0	278.6	8.145	8.117	33.979	26.455	27.727	26.451	161.6	7.702	90.7	1486.7	1251.7	31.8
290.0	288.6	7.901	7.872	33.992	26.501	27.819	26.497	157.3	7.862	90.7	1486.0	1328.9	42.3
300.0	298.5	7.716	7.687	34.008	26.541	27.905	26.536	153.6	8.017	90.7	1485.4	1407.8	17.7
310.0	308.4	7.621	7.590	34.012	26.558	27.969	26.554	152.0	8.170	90.6	1485.2	1488.2	17.4
320.0	318.4	7.423	7.392	34.019	26.591	28.049	26.587	148.9	8.321	90.6	1484.6	1570.1	32.9
330.0	328.3	7.317	7.286	34.019	26.606	28.110	26.602	147.6	8.469	90.6	1484.4	1653.4	25.9
340.0	338.2	7.160	7.128	34.021	26.631	28.181	26.626	145.3	8.615	90.5	1483.9	1738.2	22.3
350.0	348.1	7.045	7.012	34.023	26.648	28.245	26.643	143.8	8.760	90.5	1483.6	1824.5	27.9
360.0	358.1	6.914	6.880	34.023	26.666	28.309	26.661	142.2	8.903	90.5	1483.3	1912.2	20.5
370.0	368.0	6.769	6.735	34.024	26.686	28.377	26.682	140.2	9.044	90.5	1482.9	2001.2	32.8
380.0	377.9	6.559	6.525	34.013	26.705	28.443	26.700	138.4	9.184	90.5	1482.2	2091.7	9.3
390.0	387.9	6.454	6.419	34.014	26.719	28.504	26.715	137.1	9.321	90.5	1481.9	2183.6	17.5
400.0	397.8	6.412	6.376	34.026	26.735	28.565	26.730	135.7	9.458	90.6	1482.0	2276.7	24.8
410.0	407.7	6.189	6.153	34.013	26.753	28.632	26.749	133.9	9.593	90.5	1481.2	2371.3	10.4
420.0	417.6	6.110	6.074	34.029	26.776	28.701	26.772	131.8	9.725	90.5	1481.1	2467.1	6.0
430.0	427.5	6.157	6.119	34.062	26.796	28.766	26.792	130.1	9.856	90.4	1481.5	2564.3	9.9
440.0	437.5	5.922	5.884	34.053	26.819	28.837	26.815	127.9	9.986	90.5	1480.7	2662.7	22.1
450.0	447.4	5.896	5.857	34.075	26.840	28.903	26.835	126.0	10.113	90.4	1480.8	2762.4	23.9
460.0	457.3	5.644	5.605	34.058	26.857	28.969	26.853	124.3	10.238	90.5	1479.9	2863.4	11.5
470.0	467.2	5.516	5.478	34.054	26.869	29.029	26.865	123.1	10.361	90.5	1479.5	2965.6	15.9
480.0	477.1	5.398	5.359	34.053	26.883	29.089	26.878	121.8	10.484	90.5	1479.2	3068.9	10.9
490.0	487.1	5.332	5.292	34.067	26.902	29.154	26.897	120.1	10.605	90.5	1479.1	3173.5	19.4
500.0	497.0	5.278	5.238	34.076	26.915	29.214	26.910	118.9	10.725	90.5	1479.1	3279.3	15.0
510.0	506.9	5.196	5.155	34.091	26.937	29.283	26.932	116.9	10.843	90.4	1478.9	3386.3	19.7
520.0	516.8	5.139	5.097	34.103	26.953	29.346	26.948	115.4	10.959	90.5	1478.9	3494.4	8.0
530.0	526.7	5.087	5.045	34.113	26.967	29.406	26.962	114.1	11.073	90.4	1478.8	3603.6	8.8
540.0	536.7	4.997	4.954	34.117	26.981	29.466	26.976	112.8	11.187	90.5	1478.6	3714.0	10.9
550.0	546.6	4.956	4.913	34.129	26.995	29.527	26.990	111.6	11.299	90.5	1478.7	3825.5	7.4
560.0	556.5	4.852	4.808	34.136	27.012	29.591	27.007	109.9	11.410	90.4	1478.4	3938.0	13.2
570.0	566.4	4.864	4.820	34.142	27.016	29.640	27.011	109.7	11.520	90.5	1478.6	4051.7	10.3
580.0	576.3	4.766	4.721	34.153	27.036	29.708	27.031	107.8	11.628	90.5	1478.4	4166.4	13.8
590.0	586.2	4.713	4.667	34.165	27.051	29.769	27.046	106.4	11.736	90.5	1478.3	4282.3	6.8
600.0	596.1	4.687	4.640	34.174	27.061	29.826	27.056	105.5	11.842	90.5	1478.4	4399.1	10.0
610.0	606.0	4.636	4.589	34.182	27.073	29.885	27.068	104.4	11.946	90.5	1478.4	4517.0	3.8
620.0	616.0	4.607	4.559	34.193	27.085	29.942	27.080	103.4	12.050	90.5	1478.4	4635.9	17.3
630.0	625.9	4.561	4.513	34.212	27.105	30.009	27.100	101.5	12.153	90.7	1478.4	4755.8	15.3
640.0	635.8	4.527	4.478	34.221	27.117	30.066	27.111	100.5	12.253	90.5	1478.5	4876.8	19.9
650.0	645.7	4.583	4.532	34.250	27.133	30.128	27.127	99.1	12.353	90.5	1478.9	4998.7	17.3
660.0	655.6	4.502	4.451	34.256	27.147	30.189	27.142	97.8	12.452	90.5	1478.7	5121.6	6.5
670.0	665.5	4.495	4.444	34.263	27.153	30.241	27.148	97.3	12.549	90.5	1478.9	5245.4	6.5
680.0	675.4	4.483	4.431	34.275	27.164	30.298	27.159	96.4	12.646	90.5	1479.0	5370.3	8.3
690.0	685.3	4.503	4.450	34.291	27.175	30.354	27.169	95.5	12.742	90.5	1479.3	5496.0	8.9
700.0	695.2	4.499	4.445	34.301	27.183	30.408	27.177	94.8	12.837	90.5	1479.4	5622.7	5.7
710.0	705.1	4.455	4.401	34.309	27.194	30.466	27.189	93.8	12.932	90.5	1479.4	5750.4	5.1
720.0	715.0	4.492	4.437	34.322	27.201	30.517	27.195	93.4	13.025	90.5	1479.8	5878.9	3.3
730.0	725.0	4.510	4.453	34.338	27.212	30.573	27.206	92.5	13.118	90.5	1480.0	6008.4	17.7
740.0	734.8	4.492	4.435	34.348	27.222	30.629	27.215	91.6	13.210	90.4	1480.1	6138.8	4.2
750.0	744.8	4.453	4.395	34.349	27.227	30.681	27.221	91.2	13.302	90.6	1480.1	6270.1	6.9
760.0	754.7	4.415	4.357	34.356	27.236	30.736	27.230	90.3	13.393	90.5	1480.2	6402.2	12.7
770.0	764.6	4.386	4.327	34.360	27.243	30.789	27.236	89.8	13.483	90.4	1480.2	6535.3	6.6
780.0	774.5	4.297	4.238	34.356	27.249	30.843	27.243	89.0	13.572	90.4	1480.0	6669.3	-.2
790.0	784.4	4.226	4.166	34.353	27.254	30.895	27.247	88.6	13.661	90.5	1479.9	6804.1	10.1
800.0	794.3	4.227	4.167	34.363	27.263	30.949	27.256	87.9	13.749	90.5	1480.0	6939.8	6.6
810.0	804.2	4.182	4.121	34.369	27.272	31.005	27.265	87.0	13.837	90.4	1480.0	7076.3	2.8
820.0	814.1	4.183	4.121	34.381	27.281	31.059	27.274	86.3	13.923	90.5	1480.2	7213.8	8.9
830.0	824.0	4.185	4.122	34.395	27.292	31.116	27.285	85.3	14.009	90.4	1480.4	7352.0	10.1
840.0	833.9	4.159	4.095	34.399	27.298	31.168	27.291	84.8	14.094	90.5	1480.5	7491.1	3.7
850.0	843.8	4.115	4.051	34.401	27.304	31.221	27.298	84.2	14.179	90.5	1480.4	7631.0	4.8
860.0	853.7	4.078	4.014	34.398	27.306	31.269	27.299	84.1	14.263	90.5	1480.5	7771.8	6.3
870.0	863.6	4.079	4.013	34.406	27.313	31.321	27.306	83.6	14.347	90.4	1480.6	7913.4	5.4
880.0	873.5	4.065	3.999	34.411	27.318	31.373	27.311	83.2	14.430	90.5	1480.7	8055.8	6.9
890.0	883.3	4.013	3.946	34.414	27.325	31.427	27.318	82.5	14.513	90.5	1480.7	8199.0	1.3
900.0	893.3	4.012	3.944	34.421	27.331	31.479	27.324	82.0	14.595	90.5	1480.9	8343.0	4.6
910.0	903.1	3.977	3.909	34.425	27.338	31.532	27.331	81.4	14.677	90.4	1480.9	8487.9	10.4
920.0	913.0	3.941	3.872	34.428	27.344	31.585	27.337	80.8	14.758	90.5	1480.9	8633.5	9.5
930.0	922.9	3.909	3.840	34.433	27.351	31.638	27.344	80.2	14.839	90.5	1480.9	8779.9	3.4
940.0	932.8	3.913	3.843	34.439	27.356	31.688	27.349	79.8	14.919	90.5	1481.1	8927.1	11.9
950.0	942.7	3.899	3.828	34.447	27.364	31.742	27.356	79.2	14.998	90.4	1481.2	9075.1	6.9
960.0	952.6	3.820	3.749	34.446	27.371	31.797	27.364	78.3	15.077	90.5	1481.1	9223.9	4.0
970.0	962.5	3.802	3.731	34.448	27.375	31.846	27.367	78.1	15.155	90.4	1481.2	9373.4	4.6
980.0	972.4	3.805	3.732	34.455	27.380	31.897	27.373	77.7	15.233	90.5	1481.4	9523.7	4.6
990.0	982.3	3.813	3.740	34.465	27.387	31.950	27.380	77.1	15.310	90.4	1481.6	9674.7	6.9

Station 61 Latitude 32° 31.56'N Longitude 126° 39.32'W 29 Aug 1989 GMT 08:48 Bottom 4375 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.771	3.697	34.468	27.394	32.003	27.387	76.4	15.387	90.5	1481.6	9826.5	1.7
1020.0	1012.0	3.721	3.646	34.473	27.403	32.105	27.396	75.7	15.539	90.4	1481.7	10132.4	3.1
1040.0	1031.7	3.683	3.607	34.479	27.411	32.205	27.404	75.0	15.690	90.5	1481.9	10441.2	2.6
1060.0	1051.5	3.637	3.559	34.485	27.421	32.307	27.413	74.1	15.839	90.4	1482.0	10753.0	6.1
1080.0	1071.3	3.583	3.504	34.491	27.431	32.410	27.423	73.2	15.986	90.4	1482.1	11067.6	5.5
1100.0	1091.1	3.555	3.474	34.496	27.438	32.509	27.430	72.6	16.132	90.4	1482.3	11385.1	4.6
1120.0	1110.8	3.517	3.435	34.500	27.445	32.608	27.437	72.1	16.277	90.4	1482.5	11705.5	1.7
1140.0	1130.6	3.461	3.379	34.504	27.454	32.709	27.446	71.3	16.420	90.4	1482.6	12028.7	1.4
1160.0	1150.3	3.424	3.340	34.508	27.460	32.808	27.452	70.7	16.562	90.4	1482.8	12354.6	.0
1180.0	1170.1	3.387	3.301	34.513	27.468	32.908	27.460	70.1	16.703	90.4	1483.0	12683.3	7.0
1200.0	1189.9	3.324	3.238	34.517	27.477	33.010	27.469	69.2	16.842	90.4	1483.0	13014.8	5.0
1220.0	1209.6	3.280	3.193	34.521	27.485	33.110	27.477	68.5	16.980	90.4	1483.2	13348.9	3.5
1240.0	1229.4	3.245	3.156	34.527	27.493	33.211	27.485	67.7	17.116	90.4	1483.4	13685.8	3.8
1260.0	1249.2	3.207	3.116	34.534	27.502	33.311	27.494	67.0	17.251	90.4	1483.6	14025.2	5.6
1280.0	1268.9	3.172	3.080	34.534	27.505	33.407	27.497	66.7	17.385	90.4	1483.7	14367.3	5.6
1300.0	1288.7	3.153	3.060	34.538	27.511	33.504	27.502	66.3	17.517	90.4	1484.0	14712.0	-.2
1320.0	1308.4	3.114	3.020	34.543	27.519	33.604	27.510	65.6	17.649	90.4	1484.2	15059.3	4.8
1340.0	1328.2	3.058	2.963	34.542	27.523	33.700	27.514	65.2	17.780	90.4	1484.3	15409.1	1.8
1360.0	1347.9	3.014	2.918	34.542	27.527	33.797	27.518	64.7	17.910	90.4	1484.4	15761.4	3.6
1380.0	1367.6	2.981	2.884	34.545	27.533	33.895	27.524	64.2	18.039	90.4	1484.6	16116.3	6.0
1400.0	1387.4	2.944	2.845	34.549	27.539	33.994	27.530	63.6	18.167	90.4	1484.8	16473.7	6.3
1420.0	1407.1	2.915	2.815	34.551	27.544	34.090	27.535	63.2	18.293	90.4	1485.0	16833.5	1.0
1440.0	1426.9	2.874	2.772	34.556	27.552	34.190	27.542	62.5	18.419	90.4	1485.1	17195.8	1.3
1460.0	1446.6	2.861	2.758	34.557	27.553	34.283	27.544	62.4	18.544	90.4	1485.4	17560.6	1.3
1480.0	1466.3	2.828	2.723	34.559	27.558	34.380	27.549	62.0	18.668	90.4	1485.6	17927.8	1.3
1500.0	1486.1	2.794	2.688	34.562	27.563	34.478	27.554	61.5	18.792	90.4	1485.8	18297.3	3.1
1520.0	1505.8	2.766	2.659	34.565	27.569	34.574	27.559	61.1	18.915	90.4	1486.0	18669.3	5.5
1540.0	1525.5	2.732	2.623	34.568	27.573	34.671	27.564	60.6	19.036	90.4	1486.2	19043.7	2.2
1560.0	1545.3	2.685	2.576	34.572	27.581	34.772	27.572	59.8	19.157	90.4	1486.3	19420.4	1.4
1580.0	1565.0	2.665	2.554	34.572	27.583	34.866	27.574	59.6	19.276	90.4	1486.6	19799.4	3.7
1600.0	1584.7	2.637	2.525	34.575	27.588	34.961	27.578	59.2	19.395	90.3	1486.8	20180.7	2.3
1620.0	1604.4	2.596	2.483	34.579	27.595	35.060	27.585	58.6	19.513	90.4	1487.0	20564.4	6.7
1640.0	1624.1	2.553	2.439	34.582	27.601	35.159	27.591	57.9	19.629	90.4	1487.1	20950.3	2.0
1660.0	1643.8	2.516	2.401	34.585	27.607	35.257	27.597	57.4	19.744	90.5	1487.3	21338.4	1.7
1680.0	1663.6	2.495	2.378	34.588	27.611	35.352	27.601	57.0	19.859	90.4	1487.5	21728.8	2.9
1700.0	1683.3	2.465	2.347	34.589	27.614	35.448	27.604	56.7	19.973	90.4	1487.8	22121.4	2.0
1720.0	1703.0	2.434	2.315	34.592	27.619	35.545	27.610	56.2	20.085	90.4	1488.0	22516.2	.3
1740.0	1722.7	2.403	2.282	34.595	27.624	35.641	27.614	55.7	20.197	90.4	1488.2	22913.2	2.4
1760.0	1742.4	2.381	2.259	34.599	27.629	35.738	27.619	55.3	20.308	90.3	1488.4	23312.3	3.5
1780.0	1762.1	2.348	2.225	34.600	27.633	35.833	27.623	54.9	20.419	90.4	1488.6	23713.5	3.0
1800.0	1781.8	2.324	2.199	34.602	27.637	35.929	27.626	54.6	20.528	90.3	1488.8	24116.9	3.0
1820.0	1801.5	2.306	2.180	34.605	27.641	36.024	27.630	54.2	20.637	90.4	1489.1	24522.4	2.4
1840.0	1821.2	2.289	2.162	34.607	27.644	36.118	27.634	53.9	20.745	90.4	1489.4	24930.0	5.6
1860.0	1840.9	2.264	2.135	34.608	27.647	36.213	27.636	53.7	20.853	90.4	1489.6	25339.7	1.9
1880.0	1860.6	2.248	2.117	34.610	27.650	36.306	27.639	53.5	20.960	90.3	1489.8	25751.5	3.9
1900.0	1880.3	2.227	2.096	34.612	27.653	36.401	27.642	53.1	21.066	90.4	1490.1	26165.3	1.6
1920.0	1900.0	2.207	2.074	34.613	27.656	36.496	27.646	52.9	21.172	90.4	1490.3	26581.2	1.0
1940.0	1919.7	2.182	2.048	34.615	27.660	36.590	27.649	52.5	21.278	90.3	1490.6	26999.1	1.9
1960.0	1939.4	2.165	2.030	34.617	27.662	36.684	27.652	52.3	21.382	90.4	1490.8	27419.0	-.1
1980.0	1959.1	2.146	2.009	34.618	27.665	36.778	27.654	52.0	21.487	90.3	1491.1	27841.0	1.6
2000.0	1978.7	2.130	1.991	34.619	27.668	36.871	27.656	51.8	21.591	90.4	1491.4	28265.0	3.4
2050.0	2027.9	2.072	1.930	34.625	27.677	37.109	27.666	50.9	21.847	90.3	1491.9	29333.6	-.1
2100.0	2077.1	2.031	1.885	34.629	27.684	37.342	27.672	50.3	22.100	90.4	1492.6	30414.5	-.9
2150.0	2126.3	1.988	1.838	34.634	27.691	37.577	27.680	49.6	22.350	90.4	1493.3	31507.5	.0
2200.0	2175.5	1.949	1.796	34.637	27.696	37.809	27.684	49.2	22.597	90.4	1493.9	32612.5	1.5
2250.0	2224.6	1.922	1.765	34.640	27.702	38.040	27.690	48.8	22.842	90.4	1494.7	33729.3	2.7
2300.0	2273.8	1.887	1.727	34.643	27.707	38.271	27.694	48.3	23.084	90.3	1495.4	34857.8	.1
2350.0	2322.9	1.862	1.697	34.646	27.711	38.501	27.698	48.0	23.325	90.3	1496.1	35997.9	2.5
2400.0	2372.0	1.835	1.667	34.649	27.716	38.732	27.704	47.5	23.564	90.3	1496.8	37149.6	2.0
2450.0	2421.1	1.807	1.634	34.652	27.721	38.962	27.708	47.1	23.801	90.3	1497.6	38312.6	.0
2500.0	2470.2	1.785	1.608	34.654	27.725	39.190	27.711	46.9	24.036	90.3	1498.3	39487.0	-.3
2550.0	2519.3	1.764	1.583	34.655	27.727	39.417	27.714	46.7	24.270	90.4	1499.1	40672.6	1.8
2600.0	2568.4	1.741	1.556	34.657	27.731	39.646	27.718	46.4	24.503	90.4	1499.8	41869.4	-1.1
2650.0	2617.5	1.718	1.529	34.660	27.735	39.874	27.721	46.1	24.734	90.3	1500.6	43077.4	1.0
2700.0	2666.5	1.695	1.502	34.661	27.738	40.101	27.724	45.9	24.964	90.3	1501.3	44296.3	1.4
2750.0	2715.6	1.678	1.481	34.663	27.741	40.327	27.726	45.7	25.193	90.3	1502.1	45526.2	-.1
2800.0	2764.6	1.661	1.459	34.665	27.744	40.553	27.729	45.5	25.421	90.3	1502.8	46767.0	.6
2850.0	2813.6	1.643	1.438	34.666	27.747	40.779	27.732	45.3	25.648	90.3	1503.6	48018.7	1.2
2900.0	2862.6	1.630	1.420	34.667	27.749	41.004	27.734	45.2	25.874	90.3	1504.4	49281.2	.4
2950.0	2911.6	1.618	1.403	34.668	27.751	41.228	27.736	45.1	26.100	90.3	1505.2	50554.5	-1.7
3000.0	2960.6	1.607	1.388	34.670	27.753	41.452	27.737	45.0	26.325	90.3	1506.0	51838.6	.2
3050.0	3009.6	1.595	1.371	34.672	27.756	41.677	27.740	44.8	26.549	90.3	1506.8	53133.3	-1.0
3100.0	3058.5	1.587	1.358	34.673	27.757	41.900	27.741	44.8	26.774	90.3	1507.6	54438.8	.8
3120.0	3078.1	1.581	1.351	34.673	27.758	41.989	27.742	44.8	26.863	90.3	1507.9	54964.0	.0

Station 62 Latitude 32° 18.26'N Longitude 126° 47.26'W 29 Aug 1989 GMT 12:06 Bottom 4250 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	18.997	18.997	33.508	23.883	23.883	23.883	401.2	.000	90.1	1517.6	.0	.0
10.0	10.0	19.001	19.000	33.508	23.883	23.926	23.882	401.6	.401	90.1	1517.8	2.0	-.5
20.0	19.9	18.998	18.994	33.507	23.883	23.970	23.882	401.9	.803	90.2	1517.9	8.0	1.5
30.0	29.9	19.002	18.997	33.508	23.883	24.013	23.882	402.3	1.205	90.3	1518.1	18.0	.8
40.0	39.9	18.989	18.982	33.507	23.886	24.060	23.884	402.3	1.608	90.1	1518.2	32.0	6.1
50.0	49.8	18.682	18.673	33.489	23.950	24.168	23.948	396.6	2.010	90.0	1517.5	50.1	204.0
60.0	59.8	16.840	16.830	33.417	24.340	24.603	24.338	359.6	2.392	89.9	1512.1	72.0	309.1
70.0	69.8	15.415	15.404	33.300	24.574	24.883	24.572	337.5	2.738	89.9	1507.8	97.6	165.1
80.0	79.7	14.615	14.603	33.287	24.738	25.091	24.735	322.1	3.065	90.1	1505.4	126.5	6.3
90.0	89.7	15.103	15.089	33.523	24.815	25.211	24.812	315.1	3.383	90.1	1507.4	158.6	15.5
100.0	99.7	15.198	15.183	33.585	24.842	25.282	24.839	312.9	3.697	90.2	1507.9	193.9	142.3
110.0	109.6	14.423	14.407	33.510	24.951	25.437	24.948	302.6	4.004	90.2	1505.5	232.2	45.8
120.0	119.6	13.778	13.761	33.434	25.027	25.559	25.024	295.5	4.304	90.3	1503.5	273.6	152.6
130.0	129.5	12.844	12.827	33.377	25.170	25.749	25.167	282.0	4.593	90.5	1500.4	317.9	113.7
140.0	139.5	12.490	12.471	33.422	25.274	25.898	25.271	272.3	4.870	90.7	1499.4	365.0	40.2
150.0	149.4	12.269	12.250	33.494	25.373	26.042	25.369	263.1	5.139	90.7	1498.9	414.8	95.2
160.0	159.4	11.406	11.386	33.444	25.495	26.212	25.492	251.5	5.397	90.8	1496.0	467.2	166.8
170.0	169.3	11.012	10.992	33.507	25.615	26.378	25.611	240.2	5.643	90.9	1494.9	522.1	97.6
180.0	179.3	10.736	10.714	33.571	25.714	26.523	25.710	230.9	5.878	90.9	1494.1	579.4	123.0
190.0	189.2	10.248	10.226	33.602	25.822	26.678	25.819	220.7	6.103	90.9	1492.6	639.0	65.0
200.0	199.1	9.769	9.746	33.676	25.961	26.863	25.957	207.6	6.318	90.9	1491.1	700.7	161.8
210.0	209.1	9.578	9.554	33.719	26.026	26.974	26.022	201.6	6.523	90.9	1490.6	764.6	53.7
220.0	219.0	9.348	9.324	33.769	26.103	27.097	26.099	194.4	6.720	90.9	1490.0	830.4	33.8
230.0	229.0	9.110	9.085	33.820	26.181	27.221	26.177	187.1	6.912	90.8	1489.3	898.2	94.1
240.0	238.9	8.829	8.804	33.867	26.262	27.349	26.258	179.4	7.095	90.8	1488.5	967.8	65.9
250.0	248.8	8.571	8.544	33.916	26.341	27.474	26.337	172.1	7.271	90.8	1487.8	1039.1	42.4
260.0	258.8	8.430	8.403	33.932	26.375	27.554	26.371	168.9	7.442	90.8	1487.4	1112.2	98.4
270.0	268.7	8.208	8.180	33.956	26.428	27.653	26.424	164.0	7.608	90.8	1486.8	1187.0	22.2
280.0	278.6	8.085	8.056	33.968	26.455	27.727	26.451	161.5	7.771	90.8	1486.5	1263.4	28.6
290.0	288.6	7.950	7.921	33.978	26.483	27.801	26.479	159.0	7.931	90.9	1486.1	1341.4	17.2
300.0	298.5	7.864	7.834	33.980	26.498	27.862	26.493	157.7	8.090	90.8	1486.0	1420.9	30.0
310.0	308.4	7.789	7.759	33.986	26.513	27.923	26.509	156.3	8.247	90.8	1485.8	1502.0	20.1
320.0	318.4	7.641	7.609	33.995	26.542	27.998	26.538	153.7	8.402	90.8	1485.4	1584.7	5.1
330.0	328.3	7.510	7.478	34.004	26.567	28.070	26.563	151.4	8.555	90.7	1485.1	1668.9	40.2
340.0	338.2	7.379	7.346	34.011	26.592	28.141	26.587	149.1	8.705	90.7	1484.8	1754.6	17.1
350.0	348.2	7.288	7.255	34.013	26.606	28.201	26.601	147.9	8.854	90.7	1484.6	1841.8	18.0
360.0	358.1	7.141	7.107	34.015	26.628	28.270	26.624	145.9	9.000	90.7	1484.2	1930.4	13.2
370.0	368.0	6.969	6.934	34.020	26.656	28.344	26.651	143.3	9.145	90.8	1483.7	2020.5	10.6
380.0	378.0	6.850	6.814	34.022	26.674	28.409	26.669	141.6	9.287	90.7	1483.4	2111.9	6.5
390.0	387.9	6.689	6.654	34.016	26.691	28.473	26.686	140.0	9.428	90.7	1482.9	2204.8	13.8
400.0	397.8	6.607	6.570	34.020	26.705	28.533	26.700	138.8	9.568	90.8	1482.7	2299.1	23.7
410.0	407.7	6.474	6.437	34.033	26.733	28.608	26.728	136.2	9.705	90.7	1482.4	2394.7	15.5
420.0	417.6	6.384	6.347	34.034	26.746	28.667	26.741	135.0	9.841	90.6	1482.2	2491.7	16.4
430.0	427.6	6.272	6.234	34.041	26.765	28.733	26.760	133.2	9.975	90.7	1481.9	2590.1	26.9
440.0	437.5	6.224	6.186	34.056	26.783	28.798	26.779	131.6	10.107	90.8	1481.9	2689.7	13.4
450.0	447.4	6.147	6.108	34.065	26.801	28.861	26.795	130.0	10.238	90.7	1481.8	2790.6	15.2
460.0	457.3	6.060	6.020	34.071	26.816	28.924	26.812	128.5	10.367	90.6	1481.6	2892.8	11.3
470.0	467.3	5.983	5.942	34.083	26.835	28.989	26.830	126.8	10.494	90.7	1481.5	2996.3	8.4
480.0	477.2	5.864	5.823	34.081	26.849	29.049	26.843	125.6	10.621	90.6	1481.1	3101.1	3.1
490.0	487.1	5.779	5.737	34.081	26.860	29.107	26.855	124.6	10.746	90.7	1481.0	3207.0	24.2
500.0	497.0	5.635	5.593	34.081	26.877	29.172	26.872	122.9	10.870	90.7	1480.5	3314.2	14.2
510.0	506.9	5.548	5.505	34.084	26.890	29.232	26.885	121.7	10.992	90.7	1480.4	3422.7	12.1
520.0	516.8	5.543	5.499	34.104	26.906	29.294	26.901	120.3	11.113	90.7	1480.5	3532.3	11.9
530.0	526.8	5.427	5.383	34.104	26.920	29.354	26.915	119.0	11.233	90.7	1480.2	3643.1	15.4
540.0	536.7	5.263	5.219	34.102	26.938	29.420	26.933	117.2	11.351	90.7	1479.7	3755.1	25.6
550.0	546.6	5.206	5.161	34.120	26.959	29.488	26.954	115.2	11.467	90.6	1479.7	3868.2	16.8
560.0	556.5	5.110	5.065	34.121	26.971	29.547	26.966	114.1	11.582	90.7	1479.4	3982.5	2.7
570.0	566.4	5.058	5.012	34.130	26.984	29.606	26.979	112.9	11.695	90.7	1479.4	4097.9	11.2
580.0	576.3	5.028	4.982	34.131	26.988	29.656	26.983	112.6	11.808	90.7	1479.4	4214.4	3.9
590.0	586.3	4.904	4.857	34.146	27.014	29.730	27.009	110.1	11.920	90.6	1479.1	4332.0	31.7
600.0	596.2	4.780	4.733	34.150	27.032	29.795	27.027	108.4	12.029	90.7	1478.8	4450.7	10.3
610.0	606.1	4.742	4.694	34.157	27.042	29.851	27.036	107.5	12.137	90.7	1478.8	4570.5	7.7
620.0	616.0	4.692	4.644	34.171	27.058	29.914	27.053	106.0	12.244	90.8	1478.8	4691.3	15.3
630.0	625.9	4.668	4.619	34.178	27.066	29.969	27.061	105.3	12.350	90.7	1478.8	4813.2	9.7
640.0	635.8	4.637	4.587	34.186	27.076	30.024	27.070	104.5	12.455	90.7	1478.9	4936.1	10.0
650.0	645.7	4.591	4.541	34.202	27.094	30.089	27.089	102.8	12.558	90.7	1478.9	5060.0	15.6
660.0	655.6	4.567	4.516	34.212	27.105	30.146	27.099	101.9	12.660	90.7	1479.0	5184.9	9.1
670.0	665.5	4.515	4.464	34.227	27.123	30.210	27.117	100.2	12.761	90.6	1478.9	5310.9	5.6
680.0	675.5	4.508	4.456	34.233	27.128	30.261	27.122	99.8	12.861	90.6	1479.1	5437.8	6.8
690.0	685.4	4.474	4.421	34.246	27.142	30.322	27.136	98.5	12.960	90.7	1479.1	5565.7	8.9
700.0	695.3	4.452	4.399	34.257	27.153	30.379	27.147	97.5	13.059	90.6	1479.2	5694.6	11.5
710.0	705.2	4.412	4.358	34.271	27.169	30.441	27.163	96.1	13.155	90.6	1479.2	5824.5	1.8
720.0	715.1	4.403	4.348	34.276	27.174	30.492	27.168	95.7	13.251	90.7	1479.3	5955.3	7.7
730.0	725.0	4.397	4.341	34.291	27.187	30.550	27.181	94.6	13.346	90.6	1479.5	6087.0	18.0
740.0	734.9	4.396	4.340	34.313	27.204	30.613	27.198	93.1	13.440	90.7	1479.7	6219.6	5.7
750.0	744.8	4.378	4.320	34.320	27.212	30.667	27.206	92.4	13.533	90.6	1479.8	6353.2	8.3
760.0	754.7	4.362	4.304	34.340	27.230	30.731	27.223	90.8	13.625	90.6	1479.9	6487.7	13.3
770.0	764.6	4.335	4.276	34.355	27.244	30.792	27.238	89.5	13.715	90.6	1480.0	6623.1	12.7
780.0	774.5	4.316	4.256	34.359	27.250	30.843	27.243	89.1	13.804	90.6	1480.1	6759.3	2.8
790.0	784.4	4.313	4.253	34.367	27.256	30.895	27.250	88.6	13.893	90.6	1480.2	6896.4	12.4
800.0	794.3	4.302	4.241	34.377	27.265	30.950	27.259	87.8	13.981	90.6	1480.4	7034.4	15.7
810.0	804.2	4.241	4.179	34.385	27.279	31.010	27.272	86.6	14.068	90.6	1480.3	7173.3	2.8
820.0	814.1	4.234	4.172	34.391	27.284	31.061	27.277	86.1	14.154	90.6	1480.4	7313.0	.7
830.0	824.0	4.194	4.131	34.393	27.290	31.114	27.283	85.6	14.240	90.6	1480.4	7453.5	2.2
840.0	833.9	4.179	4.116	34.399	27.296	31.166	27.289	85.1	14.326	90.6	1480.5	7594.9	3.4
850.0	843.8	4.166	4.102	34.412	27.308	31.223	27.301	84.0	14.410	90.6	1480.7	7737.1	6.6
860.0	853.7	4.177	4.112	34.418	27.312	31.272	27.304	83.8	14.494	90.6	1480.9	7880.2	4.3
870.0	863.6	4.164	4.098	34.421	27.316	31.323	27.309	83.5	14.578	90.6	1481.0	8024.1	5.7
880.0	873.5	4.144	4.077	34.423	27.319	31.372	27.312	83.2	14.661	90.6	1481.1	8168.7	3.1
890.0	883.4	4.119	4.051	34.426	27.324	31.424	27.317	82.8	14.744	90.5	1481.2	8314.3	3.7
900.0	893.3	4.084	4.016	34.430	27.331	31.477	27.324	82.2	14.827	90.6	1481.2	8460.6	5.8
910.0	903.2	4.075	4.006	34.434	27.335	31.527	27.328	81.9	14.909	90.6	1481.3	8607.7	9.0
920.0	913.1	4.050	3.980	34.440	27.343	31.580	27.336	81.2	14.990	90.6	1481.4	8755.6	7.8
930.0	923.0	4.017	3.947	34.445	27.351	31.634	27.343	80.5	15.071	90.6	1481.4	8904.3	11.3
940.0	932.9	3.987	3.916	34.449	27.356	31.687	27.349	80.0	15.151	90.6	1481.5	9053.8	2.3
950.0	942.8	3.971	3.900	34.453	27.361	31.737	27.354	79.6	15.231	90.5	1481.6	9204.1	3.1
960.0	952.7	3.947	3.875	34.457	27.367	31.790	27.360	79.0	15.310	90.5	1481.6	9355.2	9.0
970.0	962.5	3.892	3.819	34.453	27.369	31.839	27.362	78.8	15.389	90.5	1481.6	9507.0	4.6
980.0	972.4	3.885	3.812	34.455	27.372	31.887	27.364	78.7	15.468	90.6	1481.7	9659.7	8.4
990.0	982.3	3.860	3.786	34.459	27.378	31.939	27.371	78.1	15.546	90.5	1481.8	9813.1	5.5

Station 62 Latitude 32° 18.26'N Longitude 126° 47.26'W 29 Aug 1989 GMT 12:06 Bottom 4250 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.828	3.754	34.465	27.385	31.993	27.378	77.4	15.624	90.6	1481.8	9967.2	7.8
1020.0	1012.0	3.780	3.704	34.469	27.394	32.094	27.386	76.7	15.778	90.6	1481.9	10277.8	9.9
1040.0	1031.8	3.762	3.685	34.478	27.403	32.194	27.395	76.0	15.931	90.5	1482.2	10591.3	1.1
1060.0	1051.6	3.676	3.598	34.478	27.412	32.297	27.404	75.1	16.081	90.5	1482.2	10907.9	2.6
1080.0	1071.3	3.611	3.531	34.483	27.422	32.400	27.414	74.2	16.230	90.6	1482.2	11227.3	8.2
1100.0	1091.1	3.583	3.502	34.489	27.429	32.499	27.422	73.5	16.378	90.5	1482.4	11549.7	9.3
1120.0	1110.9	3.546	3.464	34.497	27.440	32.602	27.432	72.6	16.524	90.5	1482.6	11874.9	.6
1140.0	1130.6	3.519	3.435	34.500	27.445	32.699	27.437	72.2	16.669	90.5	1482.8	12203.0	4.7
1160.0	1150.4	3.458	3.373	34.507	27.456	32.803	27.448	71.2	16.813	90.5	1482.9	12533.9	3.2
1180.0	1170.2	3.395	3.310	34.512	27.467	32.906	27.458	70.2	16.954	90.5	1483.0	12867.6	2.9
1200.0	1189.9	3.358	3.271	34.516	27.474	33.005	27.465	69.6	17.094	90.6	1483.2	13204.0	3.5
1220.0	1209.7	3.304	3.216	34.521	27.482	33.106	27.474	68.8	17.232	90.4	1483.3	13543.2	4.4
1240.0	1229.4	3.275	3.186	34.524	27.487	33.204	27.479	68.3	17.369	90.5	1483.5	13885.0	.9
1260.0	1249.2	3.247	3.157	34.527	27.493	33.301	27.485	67.9	17.506	90.5	1483.7	14229.5	5.3
1280.0	1268.9	3.213	3.121	34.530	27.499	33.399	27.490	67.4	17.641	90.6	1483.9	14576.6	2.7
1300.0	1288.7	3.184	3.091	34.535	27.506	33.497	27.497	66.9	17.775	90.5	1484.1	14926.4	4.5
1320.0	1308.5	3.138	3.043	34.537	27.512	33.596	27.503	66.3	17.908	90.5	1484.3	15278.8	3.9
1340.0	1328.2	3.110	3.014	34.540	27.517	33.693	27.508	65.9	18.040	90.5	1484.5	15633.7	5.4
1360.0	1347.9	3.063	2.966	34.543	27.524	33.792	27.515	65.2	18.171	90.5	1484.6	15991.2	3.6
1380.0	1367.7	3.029	2.931	34.545	27.528	33.889	27.519	64.8	18.301	90.6	1484.8	16351.3	-.8
1400.0	1387.4	3.004	2.904	34.548	27.533	33.986	27.524	64.4	18.431	90.5	1485.0	16713.9	3.1
1420.0	1407.2	2.958	2.857	34.551	27.540	34.085	27.531	63.7	18.559	90.5	1485.2	17079.0	8.0
1440.0	1426.9	2.909	2.807	34.554	27.546	34.184	27.537	63.1	18.685	90.5	1485.3	17446.6	3.9
1460.0	1446.7	2.866	2.763	34.558	27.554	34.284	27.545	62.4	18.811	90.5	1485.4	17816.6	9.8
1480.0	1466.4	2.822	2.717	34.561	27.560	34.383	27.551	61.8	18.935	90.5	1485.6	18189.0	4.0
1500.0	1486.1	2.799	2.694	34.565	27.565	34.479	27.556	61.3	19.058	90.5	1485.8	18563.9	4.9
1520.0	1505.8	2.752	2.645	34.567	27.571	34.577	27.561	60.8	19.181	90.5	1486.0	18941.1	3.1
1540.0	1525.6	2.727	2.619	34.570	27.576	34.674	27.566	60.3	19.302	90.5	1486.2	19320.7	6.9
1560.0	1545.3	2.694	2.585	34.574	27.581	34.771	27.572	59.8	19.422	90.5	1486.4	19702.7	4.0
1580.0	1565.0	2.652	2.542	34.574	27.586	34.868	27.576	59.4	19.541	90.5	1486.5	20086.9	.8
1600.0	1584.8	2.628	2.516	34.577	27.590	34.964	27.581	59.0	19.660	90.5	1486.8	20473.5	3.7
1620.0	1604.5	2.595	2.482	34.578	27.594	35.060	27.585	58.6	19.777	90.5	1487.0	20862.4	6.7
1640.0	1624.2	2.558	2.444	34.583	27.601	35.159	27.591	58.0	19.894	90.5	1487.1	21253.5	1.7
1660.0	1643.9	2.528	2.412	34.584	27.605	35.255	27.595	57.6	20.010	90.6	1487.4	21646.9	2.3
1680.0	1663.6	2.496	2.379	34.587	27.610	35.352	27.600	57.1	20.124	90.4	1487.6	22042.5	1.1
1700.0	1683.3	2.467	2.348	34.589	27.614	35.448	27.604	56.7	20.238	90.5	1487.8	22440.3	2.9
1720.0	1703.0	2.436	2.317	34.591	27.618	35.544	27.609	56.3	20.351	90.4	1488.0	22840.4	1.5
1740.0	1722.8	2.413	2.292	34.594	27.623	35.640	27.613	55.9	20.463	90.5	1488.2	23242.6	2.1
1760.0	1742.5	2.383	2.261	34.596	27.627	35.736	27.617	55.5	20.575	90.5	1488.4	23646.9	2.4
1780.0	1762.2	2.364	2.241	34.598	27.630	35.830	27.620	55.3	20.686	90.5	1488.7	24053.5	.0
1800.0	1781.9	2.343	2.218	34.599	27.633	35.925	27.623	55.0	20.796	90.5	1488.9	24462.1	2.7
1820.0	1801.6	2.321	2.195	34.602	27.637	36.020	27.627	54.6	20.905	90.6	1489.2	24872.9	3.0
1840.0	1821.3	2.294	2.167	34.605	27.642	36.116	27.631	54.2	21.014	90.5	1489.4	25285.8	2.4
1860.0	1841.0	2.266	2.137	34.608	27.646	36.212	27.636	53.7	21.122	90.4	1489.6	25700.8	1.6
1880.0	1860.7	2.246	2.115	34.609	27.649	36.306	27.638	53.5	21.229	90.5	1489.8	26117.9	1.9
1900.0	1880.4	2.228	2.097	34.610	27.651	36.399	27.641	53.3	21.336	90.4	1490.1	26537.0	-.2
1920.0	1900.1	2.209	2.076	34.612	27.655	36.494	27.644	53.0	21.442	90.5	1490.3	26958.2	.7
1940.0	1919.7	2.187	2.052	34.614	27.659	36.589	27.648	52.6	21.548	90.4	1490.6	27381.5	3.1
1960.0	1939.4	2.161	2.026	34.616	27.663	36.684	27.652	52.3	21.653	90.5	1490.8	27806.8	2.2
1980.0	1959.1	2.145	2.008	34.618	27.665	36.778	27.654	52.0	21.757	90.5	1491.1	28234.1	2.2
2000.0	1978.8	2.118	1.980	34.620	27.669	36.873	27.658	51.7	21.861	90.4	1491.3	28663.4	.8
2050.0	2028.0	2.076	1.934	34.626	27.677	37.108	27.666	51.0	22.117	90.5	1492.0	29745.3	2.3
2100.0	2077.2	2.035	1.890	34.630	27.684	37.342	27.672	50.3	22.370	90.4	1492.6	30839.5	2.9
2150.0	2126.4	1.997	1.848	34.633	27.690	37.575	27.678	49.8	22.620	90.5	1493.3	31945.8	1.5
2200.0	2175.5	1.964	1.811	34.637	27.695	37.807	27.683	49.4	22.868	90.4	1494.0	33064.1	1.5
2250.0	2224.7	1.928	1.770	34.640	27.701	38.040	27.689	48.8	23.113	90.4	1494.7	34194.3	2.1
2300.0	2273.8	1.898	1.737	34.643	27.706	38.270	27.694	48.4	23.357	90.5	1495.4	35336.2	1.3
2350.0	2323.0	1.868	1.703	34.646	27.711	38.501	27.698	48.0	23.598	90.5	1496.1	36489.7	1.6
2400.0	2372.1	1.835	1.667	34.650	27.717	38.732	27.704	47.5	23.837	90.4	1496.8	37654.8	.2
2450.0	2421.2	1.807	1.635	34.652	27.721	38.961	27.708	47.2	24.073	90.4	1497.6	38831.2	1.4
2500.0	2470.3	1.786	1.610	34.653	27.724	39.189	27.711	47.0	24.308	90.5	1498.3	40019.0	-.6
2550.0	2519.4	1.766	1.585	34.655	27.727	39.417	27.714	46.7	24.543	90.4	1499.1	41218.0	.6
2600.0	2568.5	1.743	1.558	34.658	27.731	39.646	27.718	46.4	24.776	90.3	1499.8	42428.2	2.4
2650.0	2617.5	1.724	1.535	34.659	27.734	39.872	27.720	46.2	25.007	90.4	1500.6	43649.6	-.7
2700.0	2666.6	1.706	1.512	34.662	27.738	40.100	27.723	46.0	25.238	90.4	1501.3	44881.9	2.8
2750.0	2715.6	1.687	1.490	34.663	27.741	40.326	27.726	45.8	25.468	90.4	1502.1	46125.3	-.1
2800.0	2764.7	1.664	1.462	34.665	27.744	40.553	27.729	45.5	25.696	90.4	1502.9	47379.6	.6
2850.0	2813.7	1.649	1.442	34.667	27.747	40.779	27.732	45.3	25.923	90.4	1503.6	48644.8	.9
2900.0	2862.7	1.637	1.426	34.667	27.749	41.003	27.733	45.3	26.149	90.4	1504.4	49920.8	1.8
2950.0	2911.7	1.620	1.406	34.669	27.752	41.229	27.736	45.1	26.375	90.4	1505.2	51207.6	1.0
3000.0	2960.7	1.607	1.387	34.670	27.753	41.453	27.738	45.0	26.600	90.4	1506.0	52505.2	.7
3050.0	3009.7	1.593	1.369	34.672	27.756	41.677	27.740	44.8	26.824	90.3	1506.8	53813.5	.8
3100.0	3058.6	1.580	1.351	34.673	27.758	41.901	27.742	44.7	27.048	90.4	1507.6	55132.4	1.4
3150.0	3107.6	1.571	1.338	34.675	27.761	42.125	27.744	44.6	27.271	90.3	1508.4	56462.0	1.5
3200.0	3156.5	1.561	1.323	34.676	27.763	42.347	27.746	44.5	27.494	90.4	1509.2	57802.2	.3
3250.0	3205.5	1.550	1.308	34.677	27.765	42.570	27.747	44.4	27.717	90.4	1510.0	59153.0	1.0
3300.0	3254.4	1.542	1.295	34.678	27.767	42.793	27.749	44.3	27.938	90.5	1510.8	60514.3	1.3
3350.0	3303.3	1.532	1.280	34.680	27.769	43.015	27.751	44.2	28.160	90.4	1511.7	61886.2	-.1
3400.0	3352.2	1.525	1.268	34.682	27.772	43.238	27.753	44.1	28.381	90.4	1512.5	63268.6	-1.0
3450.0	3401.1	1.520	1.258	34.682	27.772	43.458	27.754	44.2	28.602	90.5	1513.3	64661.5	1.4
3500.0	3450.0	1.515	1.249	34.683	27.774	43.679	27.755	44.2	28.823	90.3	1514.2	66064.9	1.8
3550.0	3498.8	1.509	1.237	34.684	27.776	43.900	27.756	44.1	29.043	90.4	1515.0	67478.7	.1
3600.0	3547.7	1.505	1.228	34.685	27.777	44.120	27.757	44.1	29.264	90.4	1515.8	68903.1	.7
3650.0	3596.5	1.503	1.222	34.686	27.778	44.339	27.758	44.2	29.485	90.4	1516.7	70337.9	-.4
3700.0	3645.4	1.501	1.214	34.687	27.779	44.558	27.759	44.2	29.706	90.4	1517.5	71783.1	-.4
3750.0	3694.2	1.500	1.207	34.688	27.780	44.777	27.760	44.3	29.927	90.4	1518.4	73238.9	.3
3800.0	3743.0	1.500	1.202	34.688	27.781	44.995	27.760	44.4	30.149	90.4	1519.2	74705.1	-.3
3850.0	3791.8	1.500	1.197	34.689	27.782	45.214	27.761	44.4	30.371	90.4	1520.1	76181.9	1.8
3900.0	3840.6	1.500	1.191	34.689	27.783	45.431	27.761	44.6	30.594	90.3	1521.0	77669.1	-.5
3950.0	3889.4	1.500	1.187	34.690	27.784	45.649	27.761	44.7	30.817	90.4	1521.8	79167.0	.7
4000.0	3938.1	1.504	1.184	34.690	27.784	45.865	27.761	44.9	31.041	90.3	1522.7	80675.4	-.4
4050.0	3986.9	1.506	1.181	34.691	27.785	46.082	27.762	45.0	31.265	90.4	1523.6	82194.4	-.6
4100.0	4035.6	1.508	1.178	34.691	27.785	46.298	27.762	45.1	31.491	90.4	1524.4	83724.0	-.9
4150.0	4084.4	1.511	1.175	34.692	27.786	46.514	27.762	45.3	31.717	90.4	1525.3	85264.3	.6
4200.0	4133.1	1.514	1.172	34.692	27.786	46.730	27.762	45.4	31.944	90.3	1526.2	86815.3	-.5
4250.0	4181.8	1.517	1.170	34.692	27.786	46.945	27.762	45.6	32.171	90.3	1527.1	88377.0	.1
4300.0	4230.5	1.521	1.168	34.692	27.786	47.160	27.761	45.8	32.400	90.3	1527.9	89949.5	-1.3
4338.0	4267.5	1.522	1.164	34.692	27.787	47.324	27.762	45.9	32.574	90.3	1528.6	91151.9	.0

Station 63 Latitude 32° 10.64'N Longitude 126° 51.94'W 29 Aug 1989 GMT 15:14 Bottom 3350 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	18.971	18.971	33.478	23.867	23.867	23.867	402.8	.000	90.1	1517.5	.0	.0
10.0	10.0	18.972	18.970	33.477	23.866	23.910	23.866	403.1	.403	90.1	1517.6	2.0	-.5
20.0	19.9	18.972	18.969	33.477	23.867	23.954	23.866	403.5	.806	90.0	1517.8	8.0	.4
30.0	29.9	18.971	18.966	33.477	23.867	23.997	23.866	403.8	1.210	90.1	1518.0	18.1	.4
40.0	39.9	18.975	18.968	33.478	23.868	24.041	23.866	404.1	1.614	90.1	1518.1	32.2	.8
50.0	49.8	18.976	18.967	33.478	23.868	24.085	23.866	404.4	2.018	89.7	1518.3	50.3	44.2
60.0	59.8	18.666	18.655	33.519	23.977	24.238	23.975	394.3	2.419	89.9	1517.6	72.4	180.9
70.0	69.8	17.129	17.118	33.600	24.413	24.719	24.411	353.0	2.795	89.9	1513.4	98.4	270.8
80.0	79.8	16.118	16.106	33.626	24.667	25.019	24.665	329.0	3.136	90.1	1510.5	128.0	198.3
90.0	89.7	15.512	15.498	33.627	24.805	25.201	24.802	316.1	3.459	90.1	1508.8	160.8	138.2
100.0	99.7	15.281	15.266	33.641	24.867	25.307	24.864	310.5	3.772	90.2	1508.2	196.8	60.9
110.0	109.6	14.784	14.768	33.632	24.969	25.454	24.965	301.0	4.079	90.2	1506.8	235.9	160.7
120.0	119.6	14.437	14.419	33.652	25.058	25.589	25.055	292.7	4.376	90.3	1505.9	278.0	76.0
130.0	129.5	14.101	14.083	33.647	25.125	25.700	25.121	286.6	4.665	90.4	1504.9	323.0	68.0
140.0	139.5	13.657	13.637	33.619	25.195	25.816	25.191	280.1	4.947	90.4	1503.6	370.8	19.3
150.0	149.4	13.087	13.067	33.592	25.289	25.956	25.285	271.3	5.223	90.6	1501.8	421.5	64.6
160.0	159.4	12.558	12.537	33.566	25.374	26.086	25.369	263.4	5.490	90.7	1500.2	474.8	94.4
170.0	169.3	11.733	11.712	33.573	25.535	26.295	25.531	248.1	5.745	90.7	1497.5	530.6	108.9
180.0	179.3	11.254	11.232	33.574	25.624	26.430	25.620	239.7	5.988	90.7	1496.0	589.0	54.6
190.0	189.2	10.528	10.506	33.609	25.780	26.634	25.776	224.8	6.222	90.8	1493.6	649.7	271.8
200.0	199.2	9.874	9.851	33.649	25.923	26.824	25.919	211.3	6.439	90.8	1491.4	712.7	95.7
210.0	209.1	9.412	9.389	33.733	26.064	27.013	26.060	197.9	6.645	90.8	1490.0	777.7	110.5
220.0	219.1	9.187	9.163	33.810	26.160	27.155	26.157	188.9	6.838	90.8	1489.4	844.7	218.2
230.0	229.0	8.893	8.868	33.874	26.257	27.298	26.253	179.8	7.021	90.8	1488.6	913.6	58.0
240.0	238.9	8.747	8.722	33.905	26.305	27.392	26.301	175.4	7.199	90.7	1488.2	984.3	62.7
250.0	248.9	8.624	8.597	33.939	26.351	27.483	26.347	171.2	7.372	90.7	1488.0	1056.7	73.8
260.0	258.8	8.453	8.426	33.963	26.396	27.575	26.392	167.0	7.541	90.8	1487.5	1130.8	11.1
270.0	268.7	8.333	8.305	33.974	26.423	27.648	26.419	164.6	7.707	90.8	1487.3	1206.5	34.2
280.0	278.7	8.090	8.062	33.991	26.472	27.744	26.468	159.9	7.870	90.9	1486.5	1283.9	30.7
290.0	288.6	7.894	7.865	33.994	26.504	27.823	26.500	156.9	8.028	90.7	1485.9	1362.8	19.2
300.0	298.5	7.803	7.773	34.006	26.526	27.891	26.522	154.9	8.184	90.7	1485.8	1443.3	42.6
310.0	308.5	7.552	7.522	34.009	26.565	27.976	26.561	151.3	8.337	90.7	1485.0	1525.4	15.3
320.0	318.4	7.491	7.460	34.009	26.574	28.032	26.570	150.6	8.488	90.7	1484.9	1608.9	19.4
330.0	328.3	7.357	7.326	34.015	26.598	28.102	26.593	148.4	8.637	90.7	1484.5	1693.9	5.7
340.0	338.3	7.225	7.192	34.017	26.618	28.169	26.614	146.5	8.785	90.7	1484.2	1780.4	14.7
350.0	348.2	7.114	7.081	34.017	26.633	28.230	26.629	145.2	8.931	90.7	1483.9	1868.4	10.6
360.0	358.1	7.068	7.034	34.025	26.646	28.288	26.642	144.1	9.075	90.6	1483.9	1957.8	17.6
370.0	368.0	6.885	6.851	34.027	26.673	28.362	26.668	141.6	9.219	90.7	1483.3	2048.6	27.5
380.0	378.0	6.785	6.750	34.041	26.697	28.433	26.693	139.3	9.359	90.6	1483.1	2140.8	22.9
390.0	387.9	6.694	6.658	34.044	26.712	28.494	26.708	138.0	9.498	90.6	1482.9	2234.4	19.9
400.0	397.8	6.566	6.530	34.044	26.729	28.558	26.725	136.4	9.635	90.6	1482.6	2329.3	18.4
410.0	407.7	6.443	6.406	34.049	26.750	28.625	26.745	134.6	9.771	90.5	1482.3	2425.6	48.3
420.0	417.7	6.261	6.224	34.056	26.779	28.701	26.774	131.8	9.904	90.5	1481.7	2523.2	14.3
430.0	427.6	6.116	6.079	34.053	26.794	28.764	26.789	130.3	10.035	90.6	1481.3	2622.2	21.0
440.0	437.5	6.031	5.993	34.063	26.813	28.830	26.809	128.5	10.164	90.6	1481.1	2722.4	6.6
450.0	447.4	5.903	5.864	34.067	26.832	28.896	26.827	126.8	10.292	90.5	1480.8	2823.9	11.6
460.0	457.4	5.785	5.746	34.072	26.851	28.961	26.846	125.0	10.418	90.6	1480.5	2926.6	18.6
470.0	467.3	5.745	5.705	34.074	26.858	29.014	26.853	124.5	10.542	90.6	1480.5	3030.6	1.0
480.0	477.2	5.714	5.674	34.077	26.864	29.067	26.859	123.9	10.667	90.5	1480.5	3135.8	16.8
490.0	487.1	5.602	5.561	34.083	26.883	29.132	26.878	122.2	10.790	90.5	1480.2	3242.2	27.7
500.0	497.0	5.481	5.440	34.090	26.903	29.199	26.898	120.3	10.911	90.5	1479.9	3349.8	26.8
510.0	506.9	5.447	5.405	34.096	26.911	29.254	26.906	119.6	11.031	90.5	1480.0	3458.6	23.5
520.0	516.9	5.301	5.259	34.114	26.943	29.333	26.938	116.6	11.149	90.5	1479.6	3568.6	23.5
530.0	526.8	5.268	5.225	34.125	26.956	29.392	26.951	115.4	11.265	90.5	1479.6	3679.8	11.2
540.0	536.7	5.202	5.158	34.146	26.980	29.463	26.975	113.1	11.379	90.5	1479.5	3792.0	20.3
550.0	546.6	5.093	5.048	34.151	26.996	29.526	26.991	111.6	11.492	90.6	1479.2	3905.4	13.3
560.0	556.5	5.076	5.031	34.163	27.008	29.584	27.003	110.5	11.603	90.6	1479.4	4019.9	12.4
570.0	566.4	5.064	5.019	34.185	27.027	29.649	27.022	108.9	11.713	90.6	1479.5	4135.5	7.7
580.0	576.3	5.068	5.021	34.200	27.039	29.706	27.033	108.0	11.821	90.5	1479.7	4252.2	9.2
590.0	586.3	5.022	4.975	34.210	27.052	29.766	27.047	106.7	11.929	90.5	1479.7	4369.9	19.4
600.0	596.2	5.004	4.956	34.222	27.063	29.823	27.058	105.8	12.035	90.5	1479.8	4488.6	15.9
610.0	606.1	4.956	4.907	34.236	27.081	29.887	27.075	104.2	12.140	90.5	1479.8	4608.5	16.5
620.0	616.0	4.850	4.801	34.236	27.092	29.945	27.087	103.1	12.243	90.6	1479.5	4729.3	1.6
630.0	625.9	4.845	4.795	34.248	27.102	30.001	27.097	102.2	12.346	90.6	1479.7	4851.1	12.1
640.0	635.8	4.842	4.791	34.257	27.110	30.055	27.104	101.6	12.448	90.5	1479.8	4974.0	2.7
650.0	645.7	4.822	4.770	34.270	27.122	30.113	27.117	100.5	12.549	90.6	1479.9	5097.9	14.8
660.0	655.6	4.779	4.727	34.279	27.135	30.172	27.129	99.4	12.649	90.5	1479.9	5222.7	19.4
670.0	665.5	4.742	4.690	34.294	27.151	30.234	27.145	97.9	12.748	90.5	1480.0	5348.5	11.5
680.0	675.5	4.715	4.662	34.301	27.159	30.289	27.153	97.2	12.846	90.6	1480.0	5475.3	5.1
690.0	685.4	4.677	4.623	34.308	27.169	30.344	27.163	96.4	12.942	90.5	1480.0	5603.1	3.9
700.0	695.3	4.637	4.582	34.318	27.181	30.403	27.175	95.2	13.038	90.5	1480.0	5731.8	19.7
710.0	705.2	4.600	4.544	34.333	27.197	30.466	27.191	93.8	13.133	90.6	1480.1	5861.4	15.9
720.0	715.1	4.563	4.507	34.340	27.207	30.522	27.201	92.9	13.226	90.5	1480.1	5992.0	9.5
730.0	725.0	4.501	4.445	34.347	27.220	30.581	27.214	91.7	13.318	90.6	1480.0	6123.4	10.4
740.0	734.9	4.460	4.403	34.355	27.230	30.638	27.224	90.8	13.409	90.5	1480.0	6255.8	-1.1
750.0	744.8	4.449	4.391	34.356	27.233	30.687	27.227	90.5	13.500	90.5	1480.1	6389.0	5.7
760.0	754.7	4.405	4.347	34.366	27.246	30.746	27.240	89.4	13.590	90.5	1480.1	6523.2	23.3
770.0	764.6	4.383	4.324	34.369	27.250	30.796	27.244	89.0	13.680	90.6	1480.2	6658.2	8.0
780.0	774.5	4.326	4.267	34.376	27.262	30.855	27.256	87.9	13.768	90.5	1480.1	6794.1	18.6
790.0	784.4	4.313	4.252	34.381	27.268	30.907	27.261	87.5	13.856	90.6	1480.3	6930.9	1.3
800.0	794.3	4.285	4.224	34.383	27.272	30.958	27.266	87.1	13.943	90.5	1480.3	7068.5	8.3
810.0	804.2	4.240	4.179	34.388	27.281	31.013	27.274	86.3	14.030	90.5	1480.3	7207.0	6.6
820.0	814.1	4.202	4.140	34.392	27.288	31.066	27.281	85.7	14.116	90.5	1480.3	7346.3	9.8
830.0	824.0	4.193	4.130	34.393	27.290	31.114	27.283	85.6	14.202	90.5	1480.4	7486.5	9.8
840.0	833.9	4.158	4.095	34.409	27.306	31.177	27.300	84.1	14.286	90.5	1480.5	7627.5	5.1
850.0	843.8	4.123	4.059	34.415	27.315	31.231	27.308	83.3	14.370	90.5	1480.5	7769.3	10.1
860.0	853.7	4.092	4.027	34.417	27.320	31.283	27.313	82.9	14.453	90.5	1480.5	7911.9	5.1
870.0	863.6	4.057	3.992	34.423	27.328	31.338	27.322	82.1	14.536	90.5	1480.6	8055.4	10.1
880.0	873.5	4.041	3.975	34.425	27.331	31.387	27.325	81.8	14.618	90.5	1480.7	8199.7	8.7
890.0	883.4	4.005	3.938	34.428	27.337	31.439	27.330	81.3	14.699	90.5	1480.7	8344.7	-.7
900.0	893.3	4.001	3.933	34.432	27.342	31.489	27.335	81.0	14.780	90.5	1480.8	8490.6	4.0
910.0	903.2	3.980	3.912	34.437	27.347	31.541	27.340	80.5	14.861	90.5	1480.9	8637.3	6.9
920.0	913.1	3.961	3.892	34.439	27.351	31.590	27.344	80.2	14.941	90.5	1481.0	8784.7	6.9
930.0	923.0	3.942	3.872	34.446	27.358	31.644	27.352	79.5	15.021	90.5	1481.1	8932.9	8.7
940.0	932.9	3.930	3.859	34.450	27.363	31.694	27.356	79.2	15.101	90.5	1481.2	9081.9	1.9
950.0	942.8	3.918	3.847	34.455	27.368	31.746	27.361	78.8	15.180	90.5	1481.3	9231.7	3.1
960.0	952.7	3.885	3.813	34.455	27.372	31.796	27.365	78.4	15.258	90.4	1481.4	9382.3	2.2
970.0	962.5	3.865	3.793	34.459	27.377	31.847	27.370	78.0	15.337	90.5	1481.5	9533.6	2.8
980.0	972.4	3.828	3.755	34.461	27.382	31.899	27.375	77.5	15.414	90.5	1481.5	9685.7	-.1
990.0	982.3	3.815	3.742	34.467	27.389	31.951	27.381	77.0	15.491	90.5	1481.6	9838.6	2.3

Station 63 Latitude 32° 10.64'N Longitude 126° 51.94'W 29 Aug 1989 GMT 15:14 Bottom 3350 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.807	3.733	34.472	27.393	32.001	27.386	76.6	15.568	90.5	1481.7	9992.2	10.8
1020.0	1012.0	3.752	3.677	34.481	27.406	32.107	27.399	75.4	15.720	90.4	1481.8	10301.6	6.7
1040.0	1031.8	3.740	3.663	34.483	27.409	32.201	27.402	75.3	15.871	90.4	1482.1	10614.0	3.5
1060.0	1051.6	3.703	3.624	34.487	27.416	32.300	27.408	74.8	16.021	90.5	1482.3	10929.4	7.6
1080.0	1071.3	3.679	3.599	34.491	27.422	32.398	27.414	74.4	16.171	90.5	1482.5	11247.7	5.0
1100.0	1091.1	3.628	3.547	34.496	27.431	32.500	27.423	73.5	16.319	90.4	1482.6	11568.9	6.4
1120.0	1110.9	3.576	3.493	34.500	27.440	32.600	27.431	72.8	16.465	90.4	1482.8	11892.9	5.8
1140.0	1130.6	3.539	3.455	34.507	27.448	32.702	27.441	72.0	16.610	90.4	1482.9	12219.8	11.4
1160.0	1150.4	3.487	3.402	34.510	27.457	32.802	27.448	71.2	16.753	90.4	1483.1	12549.6	3.8
1180.0	1170.2	3.416	3.330	34.518	27.470	32.908	27.461	70.0	16.894	90.4	1483.1	12882.1	10.8
1200.0	1189.9	3.359	3.272	34.521	27.478	33.009	27.470	69.2	17.033	90.4	1483.2	13217.3	.3
1220.0	1209.7	3.306	3.218	34.527	27.487	33.111	27.479	68.4	17.170	90.4	1483.3	13555.3	.0
1240.0	1229.4	3.265	3.175	34.530	27.494	33.210	27.485	67.7	17.307	90.4	1483.5	13895.9	1.8
1260.0	1249.2	3.202	3.111	34.535	27.503	33.313	27.495	66.8	17.441	90.4	1483.5	14239.1	3.5
1280.0	1269.0	3.186	3.094	34.536	27.506	33.407	27.497	66.7	17.575	90.4	1483.8	14584.9	9.1
1300.0	1288.7	3.150	3.057	34.539	27.511	33.505	27.503	66.2	17.707	90.4	1484.0	14933.4	1.8
1320.0	1308.5	3.125	3.030	34.541	27.516	33.600	27.507	65.9	17.839	90.4	1484.2	15284.4	.4
1340.0	1328.2	3.109	3.013	34.542	27.518	33.694	27.509	65.7	17.971	90.4	1484.5	15638.0	1.6
1360.0	1348.0	3.089	2.992	34.544	27.522	33.789	27.513	65.5	18.102	90.4	1484.7	15994.2	.1
1380.0	1367.7	3.053	2.954	34.549	27.529	33.888	27.520	64.8	18.233	90.4	1484.9	16352.9	3.3
1400.0	1387.4	3.039	2.939	34.552	27.533	33.984	27.524	64.5	18.362	90.5	1485.2	16714.1	4.5
1420.0	1407.2	3.018	2.916	34.554	27.537	34.079	27.528	64.2	18.491	90.5	1485.4	17077.9	4.8
1440.0	1426.9	2.979	2.877	34.557	27.543	34.178	27.534	63.7	18.619	90.4	1485.6	17444.1	9.8
1460.0	1446.7	2.892	2.789	34.562	27.554	34.283	27.545	62.5	18.745	90.4	1485.6	17812.8	2.5
1480.0	1466.4	2.853	2.748	34.565	27.561	34.382	27.552	61.8	18.869	90.4	1485.7	18184.0	5.7
1500.0	1486.1	2.818	2.712	34.566	27.565	34.478	27.556	61.5	18.992	90.4	1485.9	18557.5	-.4
1520.0	1505.9	2.789	2.681	34.568	27.568	34.573	27.559	61.1	19.115	90.4	1486.1	18933.5	.5
1540.0	1525.6	2.752	2.643	34.570	27.574	34.671	27.565	60.6	19.237	90.4	1486.3	19311.8	2.8
1560.0	1545.3	2.718	2.609	34.573	27.579	34.768	27.570	60.1	19.358	90.4	1486.5	19692.5	10.2
1580.0	1565.0	2.695	2.584	34.575	27.583	34.863	27.573	59.8	19.478	90.4	1486.7	20075.5	1.1
1600.0	1584.8	2.664	2.551	34.577	27.588	34.960	27.578	59.4	19.597	90.4	1486.9	20460.8	1.4
1620.0	1604.5	2.640	2.526	34.579	27.591	35.055	27.582	59.1	19.716	90.4	1487.2	20848.5	4.6
1640.0	1624.2	2.606	2.491	34.582	27.596	35.153	27.587	58.6	19.834	90.5	1487.4	21238.4	1.7
1660.0	1643.9	2.590	2.473	34.583	27.598	35.246	27.589	58.4	19.951	90.5	1487.6	21630.6	2.6
1680.0	1663.6	2.548	2.430	34.587	27.606	35.345	27.596	57.7	20.067	90.4	1487.8	22025.1	10.0
1700.0	1683.3	2.517	2.398	34.589	27.610	35.441	27.600	57.3	20.182	90.4	1488.0	22421.8	-.6
1720.0	1703.1	2.477	2.357	34.592	27.616	35.540	27.606	56.7	20.296	90.4	1488.1	22820.7	1.5
1740.0	1722.8	2.445	2.324	34.595	27.621	35.636	27.611	56.2	20.409	90.4	1488.3	23221.9	3.0
1760.0	1742.5	2.413	2.291	34.598	27.626	35.733	27.616	55.7	20.521	90.4	1488.5	23625.2	2.4
1780.0	1762.2	2.390	2.266	34.600	27.630	35.828	27.619	55.4	20.632	90.4	1488.8	24030.7	1.2
1800.0	1781.9	2.371	2.246	34.601	27.632	35.922	27.622	55.2	20.743	90.4	1489.0	24438.3	3.0
1820.0	1801.6	2.339	2.212	34.604	27.637	36.019	27.627	54.7	20.853	90.4	1489.2	24848.0	1.5
1840.0	1821.3	2.309	2.181	34.607	27.642	36.116	27.632	54.2	20.961	90.5	1489.4	25259.9	1.8
1860.0	1841.0	2.289	2.160	34.608	27.645	36.209	27.634	54.0	21.069	90.4	1489.7	25673.9	-.2
1880.0	1860.7	2.274	2.143	34.609	27.647	36.303	27.637	53.8	21.177	90.4	1490.0	26089.9	.1
1900.0	1880.4	2.256	2.124	34.612	27.651	36.397	27.640	53.5	21.285	90.4	1490.2	26508.0	-.5
1920.0	1900.1	2.234	2.101	34.614	27.654	36.492	27.643	53.2	21.391	90.5	1490.5	26928.2	4.0
1940.0	1919.8	2.208	2.073	34.616	27.659	36.588	27.648	52.7	21.497	90.4	1490.7	27350.5	.7
1960.0	1939.4	2.182	2.046	34.619	27.663	36.684	27.652	52.3	21.602	90.5	1490.9	27774.8	4.9
1980.0	1959.1	2.158	2.020	34.621	27.667	36.779	27.656	52.0	21.706	90.4	1491.1	28201.0	.8
2000.0	1978.8	2.151	2.012	34.622	27.668	36.870	27.656	51.9	21.810	90.4	1491.4	28629.4	.8
2050.0	2028.0	2.118	1.975	34.625	27.674	37.103	27.662	51.5	22.069	90.4	1492.1	29708.9	2.3
2100.0	2077.2	2.058	1.912	34.631	27.683	37.341	27.672	50.5	22.324	90.4	1492.7	30800.8	.3
2150.0	2126.4	2.022	1.872	34.634	27.689	37.573	27.677	50.0	22.575	90.3	1493.4	31904.9	-.9
2200.0	2175.6	1.988	1.834	34.638	27.695	37.805	27.683	49.6	22.824	90.4	1494.1	33021.0	.1
2250.0	2224.7	1.938	1.780	34.641	27.701	38.039	27.689	48.9	23.070	90.4	1494.7	34148.9	.1
2300.0	2273.9	1.908	1.747	34.643	27.705	38.268	27.692	48.6	23.313	90.4	1495.5	35288.7	.1
2350.0	2323.0	1.872	1.707	34.646	27.711	38.500	27.698	48.1	23.555	90.4	1496.1	36440.1	.8
2400.0	2372.1	1.847	1.678	34.648	27.715	38.730	27.702	47.7	23.794	90.4	1496.9	37603.1	.8
2450.0	2421.2	1.824	1.651	34.651	27.719	38.958	27.706	47.5	24.032	90.4	1497.6	38777.5	-.3
2500.0	2470.3	1.810	1.633	34.653	27.722	39.186	27.708	47.3	24.269	90.4	1498.4	39963.4	.3
2550.0	2519.4	1.789	1.608	34.654	27.725	39.413	27.711	47.1	24.506	90.3	1499.2	41160.5	.9
2600.0	2568.5	1.766	1.580	34.657	27.729	39.642	27.715	46.8	24.742	90.4	1499.9	42369.0	1.9
2650.0	2617.6	1.753	1.563	34.657	27.730	39.867	27.717	46.8	24.976	90.3	1500.7	43588.7	-.4
2700.0	2666.6	1.731	1.537	34.659	27.734	40.094	27.720	46.5	25.208	90.4	1501.5	44819.6	1.4
2750.0	2715.7	1.705	1.507	34.662	27.738	40.322	27.724	46.1	25.440	90.4	1502.2	46061.6	1.4
2800.0	2764.7	1.680	1.478	34.664	27.742	40.550	27.728	45.8	25.670	90.3	1502.9	47314.7	4.1
2850.0	2813.7	1.672	1.465	34.665	27.744	40.774	27.729	45.8	25.898	90.3	1503.7	48578.6	1.2
2900.0	2862.7	1.640	1.429	34.668	27.749	41.003	27.733	45.3	26.126	90.4	1504.5	49853.5	.9
2950.0	2911.7	1.628	1.413	34.669	27.751	41.227	27.735	45.2	26.353	90.3	1505.3	51139.2	-1.1
3000.0	2960.7	1.616	1.397	34.670	27.753	41.451	27.737	45.1	26.579	90.3	1506.1	52435.7	.2
3050.0	3009.7	1.599	1.375	34.672	27.756	41.676	27.740	44.9	26.804	90.3	1506.8	53743.0	-1.0
3100.0	3058.7	1.584	1.356	34.673	27.758	41.901	27.742	44.7	27.028	90.3	1507.6	55061.0	.2
3150.0	3107.6	1.567	1.334	34.675	27.762	42.126	27.745	44.5	27.251	90.3	1508.4	56389.6	.0
3200.0	3156.6	1.560	1.322	34.677	27.763	42.348	27.746	44.5	27.473	90.4	1509.2	57728.8	-.8
3250.0	3205.5	1.554	1.311	34.677	27.764	42.570	27.747	44.5	27.695	90.3	1510.0	59078.6	-1.1
3300.0	3254.4	1.551	1.303	34.679	27.766	42.791	27.748	44.5	27.918	90.3	1510.9	60438.9	-.7
3324.0	3277.9	1.552	1.302	34.678	27.766	42.897	27.748	44.6	28.025	90.4	1511.3	61095.6	.0

Station 64 Latitude 32° 06.20'N Longitude 126° 55.46'W 29 Aug 1989 GMT 17:39 Bottom 1275 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m³	Sigma-z kg/m³	Sigma-t kg/m³	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
.0	.0	18.973	18.973	33.435	23.833	23.833	23.833	405.9	.000	90.1	1517.4	.0	.0
10.0	10.0	18.964	18.962	33.435	23.836	23.880	23.836	406.0	.406	90.1	1517.6	2.0	2.8
20.0	19.9	18.961	18.957	33.435	23.837	23.924	23.836	406.3	.812	90.0	1517.7	8.1	-1.4
30.0	29.9	18.960	18.955	33.435	23.838	23.968	23.837	406.6	1.219	90.1	1517.9	18.2	6.8
40.0	39.9	18.720	18.713	33.436	23.899	24.073	23.898	401.1	1.624	90.0	1517.4	32.4	169.4
50.0	49.8	18.364	18.355	33.455	24.003	24.221	24.001	391.5	2.019	90.0	1516.5	50.6	32.1
60.0	59.8	17.941	17.931	33.467	24.117	24.378	24.114	381.0	2.407	90.0	1515.5	72.6	222.6
70.0	69.8	16.513	16.502	33.627	24.577	24.884	24.575	337.3	2.761	90.0	1511.6	98.4	171.7
80.0	79.7	16.314	16.301	33.739	24.710	25.061	24.707	325.0	3.092	90.1	1511.2	127.6	114.3
90.0	89.7	15.880	15.866	33.722	24.796	25.191	24.793	317.1	3.413	90.2	1510.1	160.0	96.7
100.0	99.7	15.818	15.802	33.792	24.865	25.304	24.861	310.8	3.727	90.2	1510.1	195.5	140.6
110.0	109.6	14.939	14.923	33.643	24.944	25.429	24.940	303.5	4.033	90.2	1507.3	234.2	39.2
120.0	119.6	14.153	14.136	33.576	25.059	25.590	25.055	292.6	4.332	90.4	1504.9	275.8	99.3
130.0	129.5	12.881	12.864	33.369	25.157	25.736	25.154	283.3	4.622	90.4	1500.5	320.4	74.2
140.0	139.5	13.931	13.911	33.738	25.231	25.851	25.227	276.8	4.901	90.5	1504.7	367.8	101.4
150.0	149.4	13.183	13.163	33.745	25.389	26.055	25.385	261.9	5.170	90.6	1502.4	417.9	178.3
160.0	159.4	11.686	11.666	33.601	25.565	26.281	25.561	244.9	5.423	90.7	1497.2	470.6	132.9
170.0	169.3	11.010	10.990	33.592	25.681	26.444	25.678	233.9	5.662	90.8	1495.0	525.7	108.7
180.0	179.3	10.525	10.504	33.633	25.799	26.608	25.795	222.8	5.891	90.9	1493.5	583.2	109.0
190.0	189.2	10.139	10.117	33.664	25.889	26.745	25.886	214.3	6.110	90.9	1492.3	642.9	141.4
200.0	199.1	9.762	9.740	33.706	25.985	26.887	25.981	205.3	6.320	90.8	1491.1	704.7	89.8
210.0	209.1	9.377	9.354	33.771	26.099	27.048	26.096	194.5	6.520	90.9	1489.9	768.5	49.9
220.0	219.0	9.012	8.989	33.837	26.209	27.205	26.206	184.1	6.709	90.9	1488.8	834.2	69.4
230.0	229.0	8.862	8.838	33.881	26.268	27.309	26.264	178.8	6.891	90.8	1488.5	901.8	64.2
240.0	238.9	8.736	8.711	33.933	26.328	27.416	26.325	173.1	7.067	90.9	1488.2	971.2	55.4
250.0	248.9	8.466	8.441	33.965	26.395	27.529	26.391	166.9	7.238	90.9	1487.4	1042.2	65.3
260.0	258.8	8.327	8.300	33.983	26.431	27.610	26.427	163.6	7.402	90.9	1487.1	1115.0	35.7
270.0	268.7	8.126	8.099	33.993	26.469	27.695	26.465	160.1	7.564	90.8	1486.5	1189.3	31.0
280.0	278.6	8.019	7.991	33.992	26.484	27.756	26.479	158.8	7.723	90.8	1486.2	1265.2	22.4
290.0	288.6	7.829	7.801	33.995	26.514	27.833	26.510	156.0	7.880	90.8	1485.7	1342.7	7.5
300.0	298.5	7.630	7.601	33.992	26.541	27.906	26.536	153.5	8.035	90.8	1485.1	1421.8	38.8
310.0	308.4	7.429	7.399	33.996	26.573	27.985	26.569	150.5	8.187	90.7	1484.5	1502.3	9.2
320.0	318.4	7.295	7.264	33.995	26.591	28.050	26.587	148.8	8.337	90.8	1484.1	1584.4	53.7
330.0	328.3	7.023	6.992	34.003	26.635	28.141	26.630	144.7	8.483	90.7	1483.2	1667.9	20.5
340.0	338.2	6.860	6.829	34.009	26.661	28.214	26.657	142.2	8.627	90.6	1482.7	1752.8	30.1
350.0	348.2	6.707	6.675	34.013	26.685	28.285	26.681	139.9	8.768	90.7	1482.3	1839.2	6.7
360.0	358.1	6.613	6.580	34.011	26.696	28.343	26.692	139.0	8.907	90.6	1482.1	1926.9	24.0
370.0	368.0	6.523	6.490	34.021	26.717	28.409	26.712	137.2	9.045	90.6	1481.9	2016.0	9.3
380.0	377.9	6.491	6.457	34.029	26.727	28.465	26.722	136.3	9.182	90.6	1482.0	2106.5	14.9
390.0	387.9	6.331	6.297	34.033	26.750	28.536	26.746	134.1	9.317	90.6	1481.5	2198.3	23.6
400.0	397.8	6.283	6.248	34.044	26.765	28.597	26.761	132.7	9.451	90.6	1481.5	2291.4	23.0
410.0	407.7	6.142	6.106	34.046	26.786	28.664	26.781	130.9	9.582	90.6	1481.1	2385.9	13.7
420.0	417.6	6.137	6.100	34.060	26.797	28.721	26.792	129.9	9.713	90.6	1481.2	2481.6	21.0
430.0	427.6	6.037	6.000	34.065	26.814	28.785	26.809	128.3	9.842	90.5	1481.0	2578.6	16.3
440.0	437.5	5.970	5.932	34.078	26.833	28.850	26.828	126.6	9.969	90.6	1480.9	2676.9	12.8
450.0	447.4	5.863	5.825	34.079	26.847	28.911	26.843	125.3	10.095	90.5	1480.6	2776.5	5.4
460.0	457.3	5.838	5.799	34.090	26.858	28.968	26.854	124.4	10.220	90.5	1480.7	2877.2	14.5
470.0	467.3	5.718	5.678	34.086	26.870	29.027	26.865	123.2	10.344	90.6	1480.4	2979.2	10.4
480.0	477.2	5.607	5.567	34.095	26.891	29.095	26.886	121.3	10.466	90.6	1480.1	3082.5	18.9
490.0	487.1	5.455	5.415	34.093	26.908	29.159	26.903	119.6	10.586	90.6	1479.7	3186.9	15.6
500.0	497.0	5.392	5.351	34.100	26.920	29.218	26.916	118.5	10.705	90.5	1479.6	3292.5	9.5
510.0	506.9	5.316	5.274	34.103	26.932	29.277	26.927	117.4	10.823	90.5	1479.4	3399.2	12.1
520.0	516.8	5.216	5.174	34.113	26.952	29.344	26.947	115.5	10.940	90.6	1479.2	3507.1	29.9
530.0	526.8	5.072	5.030	34.116	26.971	29.410	26.966	113.7	11.054	90.6	1478.8	3616.2	21.7
540.0	536.7	5.015	4.972	34.125	26.985	29.470	26.980	112.5	11.167	90.6	1478.7	3726.4	7.7
550.0	546.6	5.052	5.008	34.153	27.003	29.534	26.998	110.9	11.279	90.5	1479.1	3837.7	13.8
560.0	556.5	4.965	4.921	34.155	27.014	29.592	27.009	109.8	11.390	90.5	1478.9	3950.1	8.0
570.0	566.4	5.082	5.036	34.184	27.024	29.646	27.019	109.2	11.500	90.6	1479.6	4063.5	18.8
580.0	576.3	4.936	4.890	34.185	27.042	29.711	27.036	107.5	11.608	90.6	1479.1	4178.1	18.5
590.0	586.3	4.805	4.759	34.179	27.052	29.769	27.047	106.4	11.715	90.6	1478.8	4293.7	11.8
600.0	596.2	4.874	4.826	34.213	27.071	29.833	27.066	104.9	11.820	90.5	1479.2	4410.3	20.6
610.0	606.1	4.785	4.737	34.223	27.089	29.897	27.083	103.2	11.925	90.6	1479.1	4528.0	21.1
620.0	616.0	4.821	4.772	34.242	27.100	29.954	27.095	102.3	12.027	90.6	1479.4	4646.7	5.9
630.0	625.9	4.835	4.786	34.259	27.112	30.011	27.106	101.3	12.129	90.6	1479.6	4766.4	8.0
640.0	635.8	4.817	4.767	34.268	27.121	30.066	27.115	100.5	12.230	90.5	1479.7	4887.1	21.5
650.0	645.7	4.782	4.731	34.285	27.139	30.130	27.133	98.9	12.329	90.6	1479.8	5008.8	4.8
660.0	655.6	4.772	4.720	34.294	27.147	30.184	27.141	98.2	12.428	90.5	1479.9	5131.4	6.8
670.0	665.5	4.729	4.677	34.308	27.164	30.247	27.158	96.7	12.525	90.6	1479.9	5255.1	3.3
680.0	675.4	4.689	4.636	34.317	27.175	30.305	27.169	95.7	12.622	90.7	1479.9	5379.6	11.5
690.0	685.3	4.674	4.620	34.319	27.178	30.354	27.172	95.5	12.717	90.6	1480.0	5505.2	1.0
700.0	695.3	4.662	4.608	34.321	27.181	30.403	27.175	95.3	12.813	90.6	1480.2	5631.6	1.9
710.0	705.2	4.647	4.591	34.326	27.187	30.454	27.181	94.8	12.908	90.5	1480.3	5759.0	6.3
720.0	715.1	4.605	4.549	34.332	27.196	30.510	27.190	94.0	13.002	90.6	1480.3	5887.3	19.2
730.0	725.0	4.558	4.501	34.340	27.208	30.568	27.201	93.0	13.096	90.6	1480.2	6016.6	5.7
740.0	734.9	4.556	4.498	34.342	27.210	30.615	27.203	92.9	13.189	90.5	1480.4	6146.8	2.5
750.0	744.8	4.499	4.441	34.354	27.226	30.678	27.219	91.4	13.281	90.6	1480.3	6277.9	22.4
760.0	754.7	4.445	4.387	34.365	27.240	30.740	27.234	90.0	13.371	90.6	1480.3	6409.8	13.9
770.0	764.6	4.410	4.350	34.372	27.250	30.795	27.243	89.2	13.461	90.6	1480.3	6542.7	6.6
780.0	774.5	4.391	4.331	34.376	27.255	30.846	27.248	88.8	13.550	90.5	1480.4	6676.4	6.9
790.0	784.4	4.379	4.319	34.377	27.257	30.895	27.251	88.6	13.639	90.5	1480.5	6811.0	1.0
800.0	794.3	4.352	4.290	34.381	27.264	30.948	27.257	88.0	13.727	90.6	1480.6	6946.5	8.6
810.0	804.2	4.331	4.269	34.384	27.268	30.998	27.262	87.7	13.815	90.6	1480.7	7082.9	12.2
820.0	814.1	4.321	4.258	34.388	27.272	31.048	27.266	87.4	13.902	90.5	1480.8	7220.1	2.2
830.0	824.0	4.299	4.235	34.392	27.278	31.100	27.271	86.9	13.989	90.6	1480.9	7358.1	6.9
840.0	833.9	4.252	4.188	34.403	27.291	31.160	27.285	85.7	14.076	90.5	1480.9	7497.0	22.7
850.0	843.8	4.215	4.151	34.407	27.299	31.214	27.292	85.0	14.161	90.5	1480.9	7636.8	4.0
860.0	853.7	4.176	4.110	34.415	27.309	31.270	27.302	84.0	14.246	90.5	1480.9	7777.4	20.4
870.0	863.6	4.169	4.103	34.416	27.311	31.317	27.304	84.0	14.330	90.5	1481.0	7918.8	.2
880.0	873.5	4.160	4.093	34.418	27.313	31.366	27.306	83.8	14.414	90.5	1481.1	8061.0	1.9
890.0	883.4	4.143	4.076	34.422	27.319	31.417	27.311	83.4	14.498	90.5	1481.3	8204.1	14.5
900.0	893.3	4.095	4.027	34.428	27.328	31.473	27.321	82.5	14.580	90.5	1481.2	8348.0	6.6
910.0	903.2	4.056	3.987	34.434	27.337	31.529	27.330	81.6	14.662	90.5	1481.2	8492.7	9.9
920.0	913.1	4.021	3.951	34.439	27.345	31.583	27.338	80.9	14.743	90.6	1481.3	8638.2	1.9
930.0	923.0	4.018	3.948	34.439	27.346	31.629	27.338	80.9	14.824	90.5	1481.4	8784.4	-1.3
940.0	932.9	3.980	3.909	34.446	27.354	31.685	27.347	80.1	14.905	90.5	1481.4	8931.5	12.5
950.0	942.8	3.910	3.839	34.453	27.367	31.745	27.360	78.9	14.984	90.5	1481.3	9079.4	-2.1
960.0	952.6	3.901	3.829	34.453	27.369	31.792	27.361	78.8	15.063	90.5	1481.4	9228.0	5.2
970.0	962.5	3.863	3.791	34.459	27.377	31.847	27.370	78.0	15.142	90.5	1481.4	9377.4	11.9
980.0	972.4	3.811	3.739	34.469	27.391	31.908	27.383	76.7	15.219	90.6	1481.4	9527.6	10.2
990.0	982.3	3.770	3.697	34.476	27.400	31.964	27.393	75.8	15.295	90.5	1481.4	9678.5	4.3

Station 64		Latitude 32° 06.20'N			Longitude 126° 55.46'W			29 Aug 1989 GMT 17:39				Bottom 1275 m	
Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
1000.0	992.2	3.756	3.682	34.479	27.404	32.013	27.396	75.5	15.371	90.5	1481.5	9830.1	6.9
1020.0	1012.0	3.692	3.617	34.490	27.419	32.121	27.411	74.1	15.520	90.5	1481.6	10135.6	8.4
1040.0	1031.8	3.649	3.572	34.494	27.427	32.221	27.419	73.5	15.668	90.6	1481.7	10444.1	12.5
1060.0	1051.5	3.586	3.509	34.502	27.440	32.327	27.433	72.2	15.814	90.5	1481.8	10755.3	1.1
1080.0	1071.3	3.566	3.487	34.504	27.444	32.422	27.435	72.0	15.958	90.5	1482.1	11069.5	.5
1100.0	1091.1	3.524	3.444	34.510	27.452	32.523	27.444	71.3	16.101	90.4	1482.2	11386.4	2.9
1120.0	1110.9	3.463	3.382	34.517	27.464	32.628	27.456	70.2	16.242	90.5	1482.3	11706.1	-1.5
1140.0	1130.6	3.441	3.359	34.519	27.468	32.723	27.459	69.9	16.382	90.5	1482.5	12028.6	.6
1160.0	1150.4	3.442	3.358	34.518	27.467	32.814	27.459	70.1	16.522	90.5	1482.9	12353.8	-1.2
1180.0	1170.2	3.433	3.348	34.520	27.469	32.907	27.461	70.1	16.662	90.5	1483.2	12681.7	.9
1200.0	1189.9	3.382	3.295	34.524	27.478	33.009	27.470	69.3	16.802	90.5	1483.3	13012.4	3.2
1220.0	1209.7	3.343	3.255	34.528	27.484	33.107	27.476	68.7	16.940	90.4	1483.5	13345.7	3.3
1240.0	1229.4	3.302	3.213	34.531	27.491	33.207	27.483	68.1	17.077	90.5	1483.6	13681.8	7.4
1260.0	1249.2	3.263	3.172	34.534	27.497	33.305	27.489	67.5	17.213	90.5	1483.8	14020.5	-2.3
1280.0	1268.9	3.246	3.154	34.535	27.500	33.399	27.492	67.4	17.348	90.4	1484.1	14361.9	1.2
1300.0	1288.7	3.238	3.144	34.536	27.502	33.492	27.493	67.4	17.482	90.4	1484.4	14705.9	-3.7
1320.0	1308.4	3.159	3.065	34.543	27.515	33.598	27.506	66.1	17.617	90.4	1484.4	15052.5	-5.5
1340.0	1328.2	3.111	3.015	34.547	27.522	33.698	27.513	65.4	17.748	90.5	1484.5	15401.7	5.1
1360.0	1347.9	3.007	2.910	34.554	27.537	33.808	27.529	63.7	17.878	90.5	1484.4	15753.4	1.0
1380.0	1367.7	3.001	2.903	34.554	27.538	33.900	27.529	63.8	18.006	90.5	1484.7	16107.7	-.5
1400.0	1387.4	2.987	2.887	34.555	27.540	33.993	27.531	63.7	18.133	90.5	1485.0	16464.4	7.4
1420.0	1407.2	2.975	2.874	34.556	27.542	34.086	27.533	63.6	18.260	90.4	1485.2	16823.6	-4.0
1434.0	1421.0	2.957	2.855	34.557	27.544	34.153	27.535	63.4	18.349	90.5	1485.4	17076.5	.0

Station 65 Latitude 32° 01.27'N Longitude 126° 57.60'W 29 Aug 1989 GMT 19:26 Bottom 2950 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.125	19.125	33.405	23.772	23.772	23.772	411.8	.000	90.3	1517.8	.0	.0
10.0	10.0	19.088	19.086	33.405	23.782	23.825	23.781	411.2	.412	90.2	1517.9	2.1	15.6
20.0	19.9	19.063	19.059	33.405	23.789	23.876	23.788	410.9	.823	90.2	1518.0	8.2	3.0
30.0	29.9	19.061	19.056	33.404	23.789	23.919	23.788	411.2	1.234	90.1	1518.1	18.5	.5
40.0	39.9	19.047	19.040	33.403	23.792	23.966	23.791	411.3	1.645	90.2	1518.2	32.8	32.5
50.0	49.9	18.560	18.551	33.380	23.897	24.114	23.895	401.6	2.051	90.0	1517.0	51.2	18.6
60.0	59.8	17.480	17.470	33.337	24.128	24.390	24.126	379.9	2.444	89.9	1514.0	73.7	426.0
70.0	69.8	15.845	15.834	33.414	24.566	24.874	24.563	338.3	2.803	89.9	1509.2	99.8	318.9
80.0	79.8	15.453	15.441	33.488	24.710	25.063	24.708	324.8	3.133	90.2	1508.3	129.4	128.8
90.0	89.7	15.232	15.219	33.557	24.813	25.210	24.810	315.3	3.452	90.3	1507.8	162.2	72.9
100.0	99.7	14.654	14.640	33.534	24.920	25.362	24.917	305.4	3.762	90.3	1506.1	198.1	76.0
110.0	109.6	13.926	13.911	33.471	25.024	25.512	25.021	295.6	4.063	90.3	1503.8	237.1	100.8
120.0	119.6	13.450	13.433	33.455	25.110	25.643	25.107	287.6	4.354	90.5	1502.4	279.0	132.6
130.0	129.5	12.611	12.594	33.426	25.254	25.833	25.251	274.0	4.635	90.7	1499.7	323.7	100.8
140.0	139.5	12.156	12.138	33.457	25.365	25.990	25.362	263.6	4.904	90.8	1498.3	371.2	73.2
150.0	149.4	11.733	11.714	33.437	25.429	26.100	25.425	257.6	5.165	90.9	1497.0	421.3	42.7
160.0	159.4	11.247	11.227	33.451	25.529	26.246	25.525	248.2	5.417	90.9	1495.5	474.0	71.9
170.0	169.3	10.558	10.538	33.530	25.713	26.477	25.709	230.8	5.657	91.0	1493.3	529.0	126.8
180.0	179.3	9.846	9.826	33.624	25.907	26.719	25.904	212.3	5.878	90.9	1491.0	586.4	109.4
190.0	189.2	9.514	9.493	33.673	26.000	26.858	25.997	203.6	6.086	91.0	1490.0	645.9	53.4
200.0	199.1	9.283	9.262	33.729	26.082	26.986	26.078	196.0	6.287	90.9	1489.4	707.4	92.3
210.0	209.1	9.219	9.196	33.813	26.157	27.107	26.154	189.0	6.480	91.1	1489.4	770.9	118.1
220.0	219.0	8.896	8.872	33.853	26.241	27.237	26.237	181.1	6.665	91.0	1488.4	836.2	43.7
230.0	229.0	8.670	8.646	33.902	26.314	27.356	26.310	174.3	6.843	91.0	1487.8	903.3	69.7
240.0	238.9	8.557	8.532	33.916	26.343	27.431	26.339	171.7	7.016	90.9	1487.5	972.2	50.6
250.0	248.8	8.261	8.235	33.964	26.425	27.560	26.421	163.9	7.184	91.0	1486.6	1042.7	65.8
260.0	258.8	8.163	8.137	33.972	26.446	27.627	26.442	162.1	7.347	91.0	1486.4	1114.9	21.0
270.0	268.7	7.949	7.922	33.985	26.489	27.716	26.485	158.1	7.507	91.0	1485.8	1188.7	12.5
280.0	278.6	7.817	7.790	33.989	26.511	27.785	26.507	156.1	7.664	90.9	1485.5	1264.0	13.0
290.0	288.6	7.682	7.654	33.993	26.534	27.853	26.529	154.0	7.819	90.9	1485.1	1340.9	49.6
300.0	298.5	7.443	7.414	33.995	26.570	27.937	26.566	150.6	7.971	90.9	1484.3	1419.4	28.5
310.0	308.4	7.290	7.260	33.994	26.590	28.004	26.586	148.7	8.120	90.9	1483.9	1499.3	18.8
320.0	318.4	7.133	7.102	33.998	26.615	28.075	26.611	146.4	8.268	90.9	1483.5	1580.6	19.6
330.0	328.3	7.017	6.986	34.008	26.639	28.146	26.635	144.2	8.413	90.8	1483.2	1663.5	34.9
340.0	338.2	6.875	6.844	34.018	26.667	28.220	26.663	141.7	8.556	90.8	1482.8	1747.7	29.3
350.0	348.2	6.724	6.693	34.026	26.693	28.292	26.688	139.3	8.697	90.9	1482.4	1833.3	24.0
360.0	358.1	6.538	6.506	34.022	26.715	28.362	26.711	137.1	8.835	90.8	1481.8	1920.4	19.3
370.0	368.0	6.506	6.473	34.034	26.729	28.421	26.724	136.0	8.971	90.7	1481.9	2008.7	24.8
380.0	377.9	6.319	6.286	34.040	26.758	28.498	26.754	133.2	9.106	90.7	1481.3	2098.5	20.4
390.0	387.9	6.273	6.239	34.046	26.768	28.554	26.764	132.3	9.239	90.7	1481.3	2189.5	15.4
400.0	397.8	6.104	6.069	34.036	26.782	28.616	26.778	131.0	9.370	90.6	1480.7	2281.8	4.3
410.0	407.7	6.112	6.077	34.046	26.789	28.668	26.784	130.5	9.501	90.6	1481.0	2375.5	18.9
420.0	417.6	6.042	6.006	34.066	26.814	28.739	26.810	128.2	9.630	90.5	1480.9	2470.4	15.7
430.0	427.6	5.949	5.912	34.072	26.830	28.802	26.826	126.7	9.757	90.6	1480.7	2566.6	18.6
440.0	437.5	5.948	5.910	34.079	26.836	28.854	26.831	126.3	9.884	90.6	1480.8	2664.1	12.8
450.0	447.4	5.860	5.821	34.095	26.860	28.924	26.855	124.1	10.009	90.5	1480.7	2762.7	7.5
460.0	457.3	5.780	5.741	34.102	26.875	28.986	26.871	122.7	10.132	90.6	1480.5	2862.7	2.5
470.0	467.2	5.697	5.658	34.106	26.889	29.046	26.884	121.5	10.255	90.6	1480.3	2963.8	4.5
480.0	477.2	5.635	5.595	34.115	26.903	29.107	26.899	120.2	10.375	90.6	1480.3	3066.1	28.2
490.0	487.1	5.393	5.352	34.104	26.924	29.175	26.919	118.1	10.494	90.6	1479.4	3169.6	2.1
500.0	497.0	5.330	5.290	34.110	26.936	29.234	26.931	117.0	10.612	90.7	1479.3	3274.3	12.7
510.0	506.9	5.306	5.265	34.126	26.952	29.296	26.947	115.6	10.728	90.6	1479.4	3380.1	17.4
520.0	516.8	5.122	5.080	34.121	26.969	29.361	26.964	113.9	10.843	90.6	1478.8	3487.1	10.3
530.0	526.8	5.095	5.052	34.134	26.982	29.421	26.978	112.7	10.957	90.7	1478.9	3595.2	31.4
540.0	536.7	5.058	5.015	34.148	26.998	29.483	26.993	111.2	11.068	90.7	1478.9	3704.4	31.1
550.0	546.6	4.916	4.872	34.151	27.017	29.549	27.012	109.4	11.179	90.7	1478.5	3814.7	10.0
560.0	556.5	4.789	4.746	34.152	27.032	29.612	27.027	108.0	11.288	90.6	1478.2	3926.1	10.8
570.0	566.4	4.727	4.683	34.156	27.042	29.669	27.037	107.0	11.395	90.7	1478.1	4038.5	8.8
580.0	576.3	4.688	4.644	34.164	27.052	29.725	27.047	106.1	11.502	90.8	1478.1	4152.0	14.6
590.0	586.2	4.637	4.592	34.175	27.067	29.786	27.062	104.8	11.607	90.7	1478.0	4266.5	14.9
600.0	596.2	4.765	4.718	34.216	27.086	29.849	27.081	103.3	11.711	90.8	1478.8	4382.1	28.5
610.0	606.1	4.686	4.639	34.229	27.104	29.915	27.099	101.5	11.813	90.8	1478.7	4498.7	26.1
620.0	616.0	4.587	4.539	34.224	27.112	29.970	27.107	100.8	11.915	90.7	1478.4	4616.3	13.8
630.0	625.9	4.569	4.520	34.223	27.114	30.017	27.108	100.7	12.016	90.7	1478.5	4734.9	9.4
640.0	635.8	4.567	4.518	34.233	27.122	30.071	27.116	100.1	12.116	90.8	1478.7	4854.4	20.0
650.0	645.7	4.572	4.522	34.256	27.139	30.134	27.134	98.5	12.215	90.7	1478.9	4975.0	13.5
660.0	655.6	4.486	4.436	34.252	27.145	30.187	27.140	97.9	12.313	90.7	1478.7	5096.5	5.0
670.0	665.5	4.595	4.543	34.281	27.156	30.242	27.151	97.2	12.411	90.7	1479.3	5219.0	4.5
680.0	675.4	4.695	4.642	34.308	27.167	30.297	27.161	96.4	12.507	90.7	1479.9	5342.4	11.2
690.0	685.3	4.691	4.637	34.318	27.176	30.351	27.170	95.7	12.604	90.7	1480.1	5466.8	6.3
700.0	695.3	4.676	4.621	34.325	27.183	30.404	27.177	95.2	12.699	90.7	1480.2	5592.2	16.5
710.0	705.2	4.603	4.548	34.338	27.202	30.470	27.196	93.4	12.793	90.8	1480.1	5718.4	17.1
720.0	715.1	4.577	4.521	34.344	27.209	30.524	27.203	92.7	12.887	90.7	1480.2	5845.6	10.1
730.0	725.0	4.543	4.486	34.346	27.214	30.575	27.208	92.3	12.979	90.7	1480.2	5973.7	6.9
740.0	734.9	4.497	4.439	34.352	27.224	30.631	27.218	91.4	13.071	90.7	1480.2	6102.7	5.1
750.0	744.8	4.465	4.407	34.360	27.234	30.688	27.228	90.5	13.162	90.7	1480.2	6232.7	4.5
760.0	754.7	4.438	4.380	34.364	27.240	30.740	27.234	90.0	13.252	90.7	1480.3	6363.4	4.5
770.0	764.6	4.401	4.341	34.370	27.249	30.795	27.243	89.2	13.342	90.7	1480.3	6495.1	14.5
780.0	774.5	4.386	4.326	34.373	27.253	30.844	27.246	88.9	13.431	90.8	1480.4	6627.7	12.7
790.0	784.4	4.340	4.279	34.381	27.264	30.903	27.258	87.9	13.519	90.7	1480.4	6761.1	11.6
800.0	794.3	4.323	4.261	34.388	27.272	30.956	27.265	87.2	13.606	90.7	1480.5	6895.4	5.4
810.0	804.2	4.281	4.220	34.392	27.280	31.011	27.273	86.5	13.693	90.7	1480.5	7030.5	13.0
820.0	814.1	4.201	4.138	34.387	27.284	31.063	27.278	86.0	13.780	90.7	1480.3	7166.5	2.5
830.0	824.0	4.226	4.163	34.397	27.290	31.113	27.283	85.6	13.865	90.7	1480.6	7303.4	12.7
840.0	833.9	4.203	4.140	34.400	27.294	31.164	27.288	85.3	13.951	90.7	1480.6	7441.1	5.4
850.0	843.8	4.187	4.123	34.406	27.301	31.216	27.294	84.8	14.036	90.7	1480.8	7579.6	7.5
860.0	853.7	4.160	4.095	34.413	27.309	31.271	27.303	84.0	14.120	90.7	1480.8	7718.9	14.8
870.0	863.6	4.115	4.049	34.424	27.322	31.331	27.316	82.7	14.203	90.7	1480.8	7859.1	8.4
880.0	873.5	4.081	4.015	34.431	27.332	31.387	27.325	81.9	14.286	90.8	1480.8	8000.1	12.2
890.0	883.4	4.046	3.979	34.435	27.339	31.440	27.332	81.2	14.367	90.7	1480.9	8141.9	2.8
900.0	893.3	4.024	3.957	34.439	27.345	31.492	27.338	80.8	14.448	90.7	1480.9	8284.4	5.7
910.0	903.2	3.992	3.924	34.444	27.352	31.545	27.345	80.1	14.529	90.7	1481.0	8427.8	8.4
920.0	913.1	3.973	3.904	34.447	27.356	31.596	27.349	79.7	14.609	90.8	1481.1	8572.0	14.8
930.0	923.0	3.926	3.857	34.457	27.369	31.655	27.362	78.6	14.688	90.7	1481.0	8716.9	1.6
940.0	932.8	3.912	3.842	34.459	27.372	31.704	27.365	78.4	14.766	90.7	1481.2	8862.6	5.8
950.0	942.7	3.904	3.833	34.460	27.374	31.751	27.366	78.3	14.845	90.7	1481.3	9009.1	3.1
960.0	952.6	3.891	3.820	34.468	27.382	31.805	27.374	77.6	14.923	90.7	1481.4	9156.3	6.1
970.0	962.5	3.885	3.813	34.473	27.387	31.856	27.379	77.2	15.000	90.7	1481.6	9304.3	9.0
980.0	972.4	3.849	3.776	34.474	27.391	31.907	27.384	76.8	15.077	90.7	1481.6	9453.1	5.5
990.0	982.3	3.826	3.752	34.482	27.399	31.962	27.392	76.0	15.154	90.7	1481.6	9602.6	6.1

Station 65 Latitude 32° 01.27'N Longitude 126° 57.60'W 29 Aug 1989 GMT 19:26 Bottom 2950 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.774	3.700	34.479	27.403	32.011	27.395	75.7	15.229	90.7	1481.6	9752.9	2.8
1020.0	1012.0	3.701	3.625	34.481	27.411	32.113	27.404	74.9	15.380	90.8	1481.6	10055.6	6.4
1040.0	1031.8	3.663	3.586	34.482	27.416	32.210	27.409	74.5	15.530	90.7	1481.8	10361.3	-.4
1060.0	1051.5	3.631	3.553	34.490	27.426	32.312	27.418	73.7	15.678	90.7	1482.0	10669.9	1.4
1080.0	1071.3	3.605	3.526	34.498	27.435	32.412	27.427	73.0	15.824	90.7	1482.2	10981.3	1.4
1100.0	1091.1	3.587	3.506	34.505	27.442	32.511	27.434	72.4	15.970	90.7	1482.5	11295.6	5.0
1120.0	1110.8	3.557	3.475	34.508	27.448	32.609	27.440	71.9	16.114	90.8	1482.7	11612.8	4.4
1140.0	1130.6	3.511	3.427	34.516	27.459	32.713	27.451	70.9	16.257	90.7	1482.8	11932.7	4.4
1160.0	1150.4	3.471	3.386	34.521	27.467	32.813	27.458	70.3	16.398	90.6	1483.0	12255.5	.6
1180.0	1170.2	3.432	3.346	34.525	27.474	32.912	27.465	69.7	16.538	90.7	1483.2	12581.0	5.3
1200.0	1189.9	3.400	3.313	34.527	27.479	33.009	27.470	69.3	16.677	90.6	1483.4	12909.2	2.1
1220.0	1209.7	3.371	3.282	34.529	27.483	33.105	27.475	68.9	16.815	90.7	1483.6	13240.1	5.9
1240.0	1229.4	3.309	3.220	34.535	27.493	33.208	27.485	67.9	16.952	90.7	1483.7	13573.7	.9
1260.0	1249.2	3.280	3.188	34.538	27.499	33.306	27.490	67.5	17.087	90.7	1483.9	13909.9	4.4
1280.0	1268.9	3.231	3.138	34.542	27.506	33.405	27.498	66.8	17.222	90.7	1484.0	14248.8	4.2
1300.0	1288.7	3.174	3.081	34.546	27.516	33.508	27.507	65.9	17.355	90.6	1484.1	14590.3	9.4
1320.0	1308.4	3.131	3.036	34.550	27.522	33.607	27.514	65.3	17.486	90.7	1484.2	14934.3	4.5
1340.0	1328.2	3.086	2.990	34.552	27.529	33.705	27.520	64.7	17.616	90.7	1484.4	15280.9	5.9
1360.0	1347.9	3.048	2.951	34.555	27.534	33.803	27.525	64.2	17.745	90.7	1484.6	15630.1	3.3
1380.0	1367.7	2.991	2.893	34.559	27.543	33.905	27.534	63.3	17.872	90.7	1484.7	15981.7	5.7
1400.0	1387.4	2.952	2.852	34.562	27.549	34.003	27.540	62.8	17.998	90.6	1484.8	16335.8	-1.4
1420.0	1407.2	2.921	2.821	34.564	27.553	34.099	27.544	62.4	18.124	90.7	1485.0	16692.3	4.2
1440.0	1426.9	2.881	2.779	34.567	27.560	34.198	27.551	61.8	18.248	90.6	1485.2	17051.3	3.4
1460.0	1446.6	2.852	2.749	34.570	27.565	34.295	27.555	61.4	18.371	90.7	1485.4	17412.6	.7
1480.0	1466.4	2.814	2.710	34.573	27.570	34.393	27.561	60.8	18.493	90.7	1485.6	17776.4	.7
1500.0	1486.1	2.762	2.657	34.577	27.578	34.493	27.569	60.1	18.614	90.6	1485.7	18142.5	6.3
1520.0	1505.8	2.735	2.628	34.578	27.581	34.588	27.572	59.7	18.734	90.7	1485.9	18510.9	2.2
1540.0	1525.6	2.702	2.594	34.581	27.587	34.685	27.577	59.3	18.853	90.6	1486.1	18881.7	4.9
1560.0	1545.3	2.681	2.572	34.583	27.590	34.780	27.581	59.0	18.971	90.6	1486.3	19254.8	2.2
1580.0	1565.0	2.654	2.543	34.584	27.594	34.876	27.584	58.6	19.089	90.6	1486.6	19630.1	2.6
1600.0	1584.7	2.640	2.528	34.586	27.596	34.970	27.587	58.5	19.206	90.7	1486.8	20007.8	1.7
1620.0	1604.5	2.610	2.497	34.589	27.601	35.067	27.592	58.0	19.322	90.7	1487.0	20387.7	3.2
1640.0	1624.2	2.579	2.465	34.591	27.606	35.163	27.596	57.6	19.438	90.6	1487.2	20769.8	7.9
1660.0	1643.9	2.549	2.433	34.594	27.611	35.259	27.601	57.2	19.553	90.6	1487.5	21154.2	.3
1680.0	1663.6	2.514	2.397	34.595	27.615	35.355	27.605	56.8	19.667	90.7	1487.6	21540.8	1.4
1700.0	1683.3	2.484	2.366	34.597	27.619	35.452	27.610	56.3	19.780	90.7	1487.8	21929.6	1.5
1720.0	1703.0	2.456	2.337	34.602	27.625	35.549	27.615	55.8	19.892	90.6	1488.1	22320.6	1.2
1740.0	1722.8	2.434	2.313	34.602	27.627	35.643	27.617	55.6	20.003	90.6	1488.3	22713.8	.3
1760.0	1742.4	2.415	2.293	34.604	27.631	35.738	27.621	55.3	20.114	90.6	1488.6	23109.1	1.5
1780.0	1762.2	2.399	2.275	34.606	27.634	35.832	27.624	55.0	20.225	90.6	1488.8	23506.6	3.6
1800.0	1781.9	2.364	2.239	34.609	27.639	35.929	27.628	54.6	20.334	90.6	1489.0	23906.2	-.2
1820.0	1801.6	2.339	2.212	34.611	27.643	36.025	27.633	54.2	20.443	90.6	1489.2	24307.9	.1
1840.0	1821.3	2.322	2.194	34.613	27.646	36.119	27.636	53.9	20.551	90.6	1489.5	24711.7	.7
1860.0	1841.0	2.299	2.169	34.616	27.650	36.214	27.639	53.6	20.659	90.6	1489.7	25117.5	1.3
1880.0	1860.7	2.275	2.144	34.617	27.653	36.309	27.643	53.3	20.765	90.6	1490.0	25525.5	3.3
1900.0	1880.4	2.257	2.125	34.619	27.657	36.403	27.646	53.0	20.872	90.6	1490.2	25935.5	5.7
1920.0	1900.1	2.240	2.107	34.620	27.659	36.496	27.648	52.8	20.978	90.6	1490.5	26347.6	4.2
1940.0	1919.7	2.215	2.080	34.623	27.663	36.592	27.652	52.4	21.083	90.6	1490.7	26761.7	1.9
1960.0	1939.4	2.190	2.053	34.625	27.667	36.688	27.656	52.0	21.187	90.6	1491.0	27177.8	4.0
1980.0	1959.1	2.167	2.030	34.627	27.670	36.782	27.660	51.6	21.291	90.6	1491.2	27595.9	2.2
2000.0	1978.8	2.137	1.998	34.629	27.674	36.878	27.663	51.2	21.394	90.6	1491.4	28016.0	2.5
2050.0	2028.0	2.070	1.928	34.633	27.683	37.115	27.672	50.3	21.648	90.6	1492.0	29075.0	-1.5
2100.0	2077.2	2.035	1.889	34.637	27.689	37.348	27.678	49.8	21.899	90.6	1492.6	30146.1	4.4
2150.0	2126.4	1.992	1.843	34.641	27.696	37.582	27.684	49.2	22.146	90.7	1493.3	31229.2	3.8
2200.0	2175.5	1.965	1.811	34.643	27.700	37.812	27.688	48.9	22.392	90.7	1494.0	32324.1	.6
2250.0	2224.7	1.934	1.777	34.646	27.706	38.043	27.693	48.5	22.635	90.6	1494.7	33430.8	1.6
2300.0	2273.9	1.895	1.734	34.648	27.710	38.274	27.698	48.0	22.876	90.5	1495.4	34549.2	4.2
2350.0	2323.0	1.875	1.711	34.649	27.713	38.502	27.700	47.9	23.116	90.6	1496.2	35679.1	4.0
2400.0	2372.1	1.845	1.676	34.651	27.717	38.732	27.704	47.6	23.354	90.6	1496.9	36820.5	1.4
2450.0	2421.2	1.820	1.647	34.653	27.721	38.961	27.708	47.3	23.592	90.6	1497.6	37973.3	.0
2500.0	2470.3	1.799	1.622	34.655	27.724	39.189	27.711	47.0	23.827	90.5	1498.4	39137.5	.0
2550.0	2519.4	1.786	1.605	34.656	27.727	39.415	27.713	46.9	24.062	90.5	1499.2	40312.9	.6
2600.0	2568.5	1.745	1.560	34.659	27.732	39.646	27.719	46.4	24.296	90.5	1499.8	41499.6	3.9
2650.0	2617.6	1.726	1.537	34.661	27.735	39.873	27.721	46.2	24.527	90.5	1500.6	42697.4	1.3
2700.0	2666.6	1.706	1.513	34.662	27.738	40.100	27.724	46.0	24.757	90.5	1501.3	43906.3	.5
2750.0	2715.6	1.687	1.489	34.664	27.742	40.327	27.727	45.7	24.986	90.5	1502.1	45126.1	.8
2800.0	2764.7	1.673	1.471	34.665	27.744	40.552	27.729	45.6	25.214	90.6	1502.9	46356.8	-1.8
2850.0	2813.7	1.645	1.439	34.668	27.748	40.780	27.733	45.2	25.441	90.5	1503.6	47598.4	2.4
2900.0	2862.7	1.612	1.401	34.670	27.753	41.009	27.737	44.7	25.666	90.5	1504.3	48850.9	.4
2950.0	2911.7	1.605	1.390	34.672	27.755	41.233	27.739	44.7	25.890	90.5	1505.2	50113.9	-.5
3000.0	2960.7	1.581	1.362	34.674	27.758	41.459	27.742	44.4	26.113	90.6	1505.9	51387.7	-1.0
3014.0	2974.4	1.579	1.359	34.674	27.758	41.521	27.742	44.4	26.175	90.5	1506.1	51746.3	.0

Station 66 Latitude 31° 49.62'N Longitude 127° 04.48'W 29 Aug 1989 GMT 22:28 Bottom 4325 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.448	19.448	33.478	23.745	23.745	23.745	414.3	.000	90.2	1518.8	.0	.0
10.0	10.0	19.401	19.399	33.478	23.758	23.801	23.757	413.5	.414	90.2	1518.8	2.1	59.6
20.0	19.9	19.293	19.290	33.475	23.784	23.870	23.783	411.4	.826	90.2	1518.7	8.3	1.7
30.0	29.9	19.285	19.280	33.475	23.786	23.916	23.784	411.6	1.238	90.1	1518.8	18.5	1.0
40.0	39.9	19.278	19.270	33.473	23.787	23.961	23.785	411.8	1.650	90.2	1519.0	32.9	2.5
50.0	49.9	18.702	18.694	33.390	23.869	24.087	23.867	404.3	2.058	90.0	1517.4	51.4	30.4
60.0	59.8	18.470	18.460	33.478	23.995	24.256	23.992	392.7	2.458	90.1	1517.0	74.0	367.0
70.0	69.8	16.095	16.084	33.292	24.416	24.724	24.414	352.6	2.832	89.8	1509.9	100.3	495.2
80.0	79.8	13.884	13.873	33.221	24.840	25.194	24.837	312.3	3.164	89.8	1502.9	130.2	280.8
90.0	89.7	13.036	13.024	33.226	25.014	25.415	25.012	295.8	3.469	89.7	1500.2	163.3	244.9
100.0	99.7	12.368	12.355	33.244	25.158	25.605	25.156	282.2	3.757	90.2	1498.2	199.2	141.7
110.0	109.6	11.919	11.905	33.280	25.271	25.763	25.269	271.6	4.033	90.4	1496.8	238.0	49.1
120.0	119.6	11.510	11.495	33.327	25.384	25.922	25.382	261.1	4.300	90.7	1495.6	279.5	110.5
130.0	129.5	11.056	11.040	33.377	25.505	26.088	25.502	249.8	4.555	90.9	1494.2	323.6	53.4
140.0	139.5	10.718	10.702	33.439	25.613	26.243	25.611	239.6	4.800	90.9	1493.3	370.1	92.8
150.0	149.4	10.547	10.529	33.471	25.668	26.343	25.665	234.6	5.037	90.9	1492.8	419.0	108.6
160.0	159.4	10.160	10.142	33.562	25.806	26.526	25.802	221.6	5.263	91.0	1491.7	470.3	43.0
170.0	169.3	9.606	9.588	33.661	25.976	26.743	25.972	205.5	5.477	91.0	1490.0	523.7	195.1
180.0	179.3	9.293	9.273	33.730	26.081	26.895	26.077	195.7	5.678	91.0	1489.1	579.2	153.8
190.0	189.2	8.986	8.966	33.804	26.187	27.047	26.184	185.7	5.869	90.9	1488.2	636.6	106.0
200.0	199.1	8.777	8.756	33.856	26.261	27.167	26.258	178.8	6.052	90.9	1487.6	695.8	105.4
210.0	209.1	8.683	8.661	33.877	26.292	27.244	26.288	176.0	6.230	90.8	1487.5	756.8	30.7
220.0	219.0	8.475	8.452	33.925	26.362	27.360	26.358	169.5	6.402	90.8	1486.9	819.6	34.8
230.0	228.9	8.267	8.244	33.964	26.424	27.469	26.421	163.6	6.569	90.8	1486.3	884.1	43.5
240.0	238.9	8.192	8.168	33.972	26.442	27.532	26.438	162.1	6.732	90.8	1486.2	950.2	16.0
250.0	248.8	8.119	8.094	33.982	26.460	27.596	26.456	160.5	6.894	90.6	1486.1	1017.8	21.0
260.0	258.8	7.889	7.864	33.994	26.504	27.686	26.500	156.4	7.052	90.5	1485.4	1087.1	25.0
270.0	268.7	7.782	7.755	33.999	26.524	27.752	26.520	154.7	7.207	90.4	1485.2	1157.9	21.5
280.0	278.6	7.715	7.688	34.006	26.540	27.814	26.535	153.3	7.361	90.2	1485.1	1230.3	20.6
290.0	288.5	7.592	7.564	34.016	26.565	27.885	26.561	151.0	7.514	89.8	1484.8	1304.2	5.7
300.0	298.5	7.443	7.414	34.019	26.589	27.955	26.584	148.8	7.663	89.4	1484.4	1379.5	15.9
310.0	308.4	7.344	7.314	34.020	26.604	28.017	26.600	147.5	7.812	89.0	1484.2	1456.4	25.0
320.0	318.3	7.260	7.230	34.021	26.616	28.075	26.612	146.4	7.959	88.5	1484.0	1534.7	.9
330.0	328.3	7.159	7.128	34.027	26.635	28.140	26.631	144.7	8.105	88.0	1483.8	1614.5	15.9
340.0	338.2	7.093	7.061	34.029	26.646	28.197	26.642	143.8	8.249	87.5	1483.7	1695.6	9.7
350.0	348.1	6.947	6.915	34.034	26.670	28.267	26.665	141.6	8.392	87.0	1483.3	1778.3	18.5
360.0	358.1	6.836	6.803	34.036	26.686	28.330	26.682	140.1	8.533	86.7	1483.0	1862.3	12.6
370.0	368.0	6.596	6.562	34.023	26.708	28.400	26.704	138.0	8.672	86.4	1482.2	1947.7	16.4
380.0	377.9	6.366	6.333	34.018	26.734	28.474	26.730	135.5	8.809	86.2	1481.4	2034.4	19.5
390.0	387.8	6.250	6.215	34.012	26.745	28.531	26.740	134.5	8.944	86.1	1481.1	2122.5	5.7
400.0	397.8	6.165	6.130	34.014	26.757	28.590	26.753	133.4	9.078	86.1	1481.0	2212.0	14.8
410.0	407.7	6.055	6.019	34.018	26.774	28.653	26.770	131.9	9.210	86.1	1480.7	2302.7	26.5
420.0	417.6	5.915	5.879	34.024	26.797	28.724	26.793	129.7	9.341	86.2	1480.3	2394.8	14.8
430.0	427.5	5.819	5.783	34.032	26.815	28.788	26.810	128.0	9.470	86.4	1480.1	2488.1	28.8
440.0	437.5	5.668	5.631	34.030	26.832	28.853	26.828	126.4	9.597	86.6	1479.6	2582.7	12.7
450.0	447.4	5.616	5.579	34.033	26.840	28.907	26.836	125.7	9.724	86.8	1479.6	2678.6	8.6
460.0	457.3	5.535	5.497	34.038	26.855	28.968	26.850	124.4	9.849	87.1	1479.4	2775.7	13.3
470.0	467.2	5.435	5.396	34.046	26.873	29.033	26.868	122.7	9.972	87.4	1479.2	2874.0	19.7
480.0	477.1	5.329	5.290	34.053	26.891	29.098	26.886	121.0	10.094	87.7	1478.9	2973.5	5.0
490.0	487.1	5.260	5.220	34.061	26.905	29.159	26.901	119.6	10.214	88.1	1478.8	3074.2	8.0
500.0	497.0	5.199	5.159	34.067	26.917	29.218	26.913	118.5	10.333	88.3	1478.7	3176.1	12.0
510.0	506.9	5.111	5.070	34.078	26.936	29.283	26.931	116.8	10.451	88.7	1478.6	3279.2	11.5
520.0	516.8	5.050	5.009	34.088	26.951	29.345	26.947	115.4	10.567	89.0	1478.5	3383.4	23.7
530.0	526.7	4.939	4.897	34.108	26.980	29.420	26.975	112.7	10.681	89.4	1478.2	3488.8	18.2
540.0	536.7	4.884	4.841	34.124	26.999	29.486	26.994	111.0	10.793	90.4	1478.2	3595.3	12.9
550.0	546.6	4.830	4.786	34.136	27.014	29.548	27.010	109.5	10.903	90.6	1478.1	3702.8	12.9
560.0	556.5	4.839	4.796	34.162	27.034	29.614	27.029	107.8	11.012	90.6	1478.4	3811.5	16.4
570.0	566.4	4.763	4.719	34.166	27.046	29.672	27.041	106.7	11.119	90.7	1478.2	3921.2	9.7
580.0	576.3	4.713	4.668	34.167	27.053	29.725	27.048	106.1	11.225	90.7	1478.2	4031.9	-.3
590.0	586.2	4.729	4.683	34.176	27.058	29.776	27.053	105.7	11.331	90.7	1478.4	4143.8	12.9
600.0	596.1	4.648	4.602	34.187	27.075	29.840	27.070	104.1	11.436	90.8	1478.3	4256.6	16.7
610.0	606.0	4.654	4.607	34.200	27.085	29.896	27.080	103.3	11.540	90.8	1478.5	4370.5	6.2
620.0	616.0	4.619	4.571	34.202	27.091	29.948	27.086	102.8	11.643	90.7	1478.5	4485.4	12.0
630.0	625.9	4.712	4.663	34.227	27.101	30.002	27.096	102.1	11.746	90.7	1479.1	4601.3	13.2
640.0	635.8	4.743	4.693	34.246	27.113	30.059	27.107	101.2	11.847	90.7	1479.4	4718.2	10.0
650.0	645.7	4.685	4.634	34.247	27.120	30.112	27.114	100.6	11.948	90.7	1479.3	4836.1	8.0
660.0	655.6	4.541	4.490	34.244	27.133	30.174	27.127	99.2	12.048	90.7	1478.9	4955.0	15.0
670.0	665.5	4.482	4.430	34.247	27.142	30.230	27.136	98.3	12.147	90.8	1478.8	5074.9	7.7
680.0	675.4	4.442	4.390	34.257	27.154	30.289	27.149	97.2	12.244	90.7	1478.8	5195.7	8.0
690.0	685.3	4.424	4.371	34.265	27.163	30.343	27.157	96.5	12.341	90.7	1478.9	5317.5	2.4
700.0	695.2	4.393	4.340	34.270	27.170	30.397	27.164	95.9	12.437	90.7	1479.0	5440.2	7.1
710.0	705.1	4.369	4.315	34.281	27.181	30.454	27.175	94.9	12.533	90.7	1479.0	5563.9	13.8
720.0	715.0	4.364	4.310	34.286	27.186	30.505	27.180	94.5	12.627	90.7	1479.2	5688.5	8.9
730.0	725.0	4.355	4.299	34.300	27.198	30.562	27.192	93.5	12.721	90.6	1479.3	5814.1	10.9
740.0	734.8	4.330	4.274	34.308	27.207	30.618	27.201	92.7	12.814	90.8	1479.4	5940.5	7.4
750.0	744.8	4.387	4.329	34.324	27.214	30.669	27.208	92.2	12.907	90.7	1479.8	6067.9	2.2
760.0	754.7	4.384	4.326	34.338	27.225	30.726	27.219	91.3	12.999	90.7	1480.0	6196.2	10.4
770.0	764.6	4.319	4.261	34.338	27.232	30.780	27.226	90.6	13.090	90.7	1479.9	6325.4	4.8
780.0	774.5	4.289	4.229	34.347	27.243	30.837	27.237	89.6	13.180	90.7	1479.9	6455.4	14.5
790.0	784.4	4.275	4.215	34.356	27.251	30.891	27.245	88.9	13.269	90.7	1480.1	6586.4	1.0
800.0	794.3	4.288	4.227	34.364	27.257	30.942	27.251	88.5	13.358	90.7	1480.3	6718.2	9.8
810.0	804.2	4.203	4.142	34.366	27.267	31.000	27.261	87.5	13.446	90.8	1480.1	6850.9	6.0
820.0	814.1	4.153	4.091	34.367	27.273	31.052	27.267	87.0	13.533	90.7	1480.1	6984.5	6.0
830.0	824.0	4.232	4.169	34.393	27.285	31.108	27.279	86.1	13.619	90.8	1480.6	7118.9	19.5
840.0	833.9	4.145	4.082	34.391	27.294	31.164	27.287	85.3	13.705	90.8	1480.4	7254.1	.4
850.0	843.8	4.162	4.098	34.399	27.298	31.214	27.291	85.0	13.790	90.7	1480.6	7390.2	7.2
860.0	853.7	4.091	4.026	34.400	27.307	31.270	27.300	84.1	13.875	90.7	1480.5	7527.1	13.0
870.0	863.6	4.078	4.013	34.406	27.312	31.321	27.305	83.6	13.958	90.7	1480.6	7664.9	5.1
880.0	873.5	4.038	3.972	34.410	27.319	31.375	27.313	83.0	14.042	90.8	1480.6	7803.4	.4
890.0	883.4	4.028	3.961	34.417	27.326	31.428	27.319	82.4	14.125	90.7	1480.8	7942.8	10.1
900.0	893.3	4.014	3.947	34.423	27.333	31.480	27.326	81.9	14.207	90.7	1480.9	8083.0	11.3
910.0	903.2	4.019	3.951	34.434	27.341	31.533	27.334	81.2	14.288	90.7	1481.1	8224.0	3.1
920.0	913.0	4.009	3.940	34.442	27.348	31.587	27.341	80.6	14.369	90.7	1481.2	8365.8	8.4
930.0	923.0	3.997	3.927	34.446	27.353	31.638	27.346	80.2	14.449	90.6	1481.3	8508.3	2.8
940.0	932.8	3.971	3.900	34.447	27.357	31.687	27.350	79.9	14.530	90.7	1481.4	8651.7	2.2
950.0	942.7	3.963	3.892	34.448	27.358	31.735	27.351	79.8	14.609	90.7	1481.5	8795.9	7.5
960.0	952.6	3.931	3.859	34.454	27.366	31.789	27.359	79.1	14.689	90.7	1481.6	8940.8	3.7
970.0	962.5	3.880	3.808	34.457	27.374	31.844	27.367	78.3	14.767	90.7	1481.5	9086.5	9.6
980.0	972.4	3.835	3.762	34.462	27.383	31.899	27.376	77.5	14.845	90.7	1481.5	9232.9	10.2
990.0	982.3	3.806	3.732	34.465	27.388	31.951	27.381	77.0	14.923	90.6	1481.5	9380.2	2.8

Station	66	Latitude	31° 49.62'N		Longitude	127° 04.48'W		29 Aug 1989 GMT 22:28			Bottom	4325 m
Pres.	Depth	Temp.	Pot.T.	Sal	Sigma-θ	Sigma-z	Sigma-t	Delta	Dyn.Ht	LTR	SV	TF	N^2
db	m	°C	°C	0/00	kg/m^3	kg/m^3	kg/m^3	10^8m^3/kg	J/kg	0/0	m/s	m^3/s^2	10^6/s^2
1000.0	992.2	3.790	3.716	34.466	27.391	31.999	27.383	76.8	15.000	90.7	1481.6	9528.2	8.1
1020.0	1012.0	3.782	3.706	34.478	27.401	32.100	27.393	76.1	15.152	90.6	1482.0	9826.4	8.1
1040.0	1031.8	3.727	3.650	34.483	27.410	32.203	27.403	75.2	15.304	90.7	1482.1	10127.6	1.7
1060.0	1051.5	3.653	3.575	34.487	27.421	32.306	27.413	74.2	15.453	90.7	1482.1	10431.7	-.6
1080.0	1071.3	3.605	3.526	34.488	27.427	32.405	27.419	73.7	15.601	90.7	1482.2	10738.7	4.3
1100.0	1091.1	3.547	3.467	34.495	27.438	32.509	27.431	72.6	15.747	90.7	1482.3	11048.7	5.5
1120.0	1110.8	3.497	3.416	34.503	27.449	32.612	27.441	71.6	15.891	90.7	1482.4	11361.4	1.1
1140.0	1130.6	3.456	3.374	34.510	27.459	32.714	27.451	70.8	16.034	90.7	1482.6	11677.0	.3
1160.0	1150.4	3.451	3.366	34.516	27.464	32.811	27.456	70.4	16.175	90.7	1482.9	11995.3	3.8
1180.0	1170.2	3.409	3.324	34.524	27.475	32.914	27.466	69.5	16.315	90.7	1483.1	12316.4	7.6
1200.0	1189.9	3.368	3.281	34.530	27.483	33.015	27.475	68.7	16.454	90.7	1483.2	12640.2	5.6
1220.0	1209.7	3.346	3.258	34.531	27.487	33.110	27.479	68.5	16.591	90.5	1483.5	12966.7	-1.7
1240.0	1229.4	3.287	3.198	34.536	27.497	33.212	27.488	67.6	16.727	90.7	1483.6	13295.8	11.5
1260.0	1249.2	3.261	3.170	34.539	27.501	33.309	27.493	67.2	16.862	90.7	1483.8	13627.6	8.0
1280.0	1268.9	3.216	3.124	34.544	27.509	33.409	27.501	66.4	16.995	90.6	1483.9	13962.0	4.5
1300.0	1288.7	3.176	3.083	34.546	27.515	33.507	27.507	65.9	17.128	90.7	1484.1	14299.0	.4
1320.0	1308.4	3.124	3.030	34.551	27.524	33.609	27.515	65.1	17.259	90.7	1484.2	14638.6	5.3
1340.0	1328.2	3.086	2.990	34.553	27.529	33.706	27.520	64.7	17.389	90.6	1484.4	14980.7	6.5
1360.0	1347.9	3.042	2.945	34.557	27.536	33.806	27.528	64.0	17.517	90.6	1484.5	15325.4	3.6
1380.0	1367.7	3.003	2.905	34.559	27.542	33.903	27.533	63.5	17.645	90.6	1484.7	15672.5	2.2
1400.0	1387.4	2.963	2.864	34.561	27.547	34.001	27.538	63.0	17.771	90.6	1484.9	16022.1	1.3
1420.0	1407.2	2.926	2.825	34.565	27.554	34.099	27.545	62.4	17.896	90.7	1485.0	16374.2	6.6
1440.0	1426.9	2.881	2.780	34.568	27.560	34.199	27.551	61.7	18.021	90.8	1485.2	16728.6	3.1
1460.0	1446.6	2.845	2.742	34.570	27.565	34.296	27.556	61.2	18.143	90.7	1485.4	17085.5	1.0
1480.0	1466.4	2.813	2.708	34.573	27.571	34.393	27.561	60.8	18.266	90.7	1485.6	17444.8	2.2
1500.0	1486.1	2.779	2.673	34.575	27.575	34.490	27.566	60.3	18.387	90.7	1485.8	17806.4	4.6
1520.0	1505.8	2.743	2.637	34.578	27.581	34.587	27.571	59.8	18.507	90.6	1485.9	18170.4	-1.0
1540.0	1525.6	2.723	2.615	34.580	27.584	34.682	27.575	59.6	18.627	90.6	1486.2	18536.7	1.1
1560.0	1545.3	2.696	2.587	34.583	27.589	34.778	27.579	59.2	18.745	90.6	1486.4	18905.3	2.8
1580.0	1565.0	2.673	2.562	34.584	27.592	34.874	27.583	58.9	18.863	90.6	1486.6	19276.2	.8
1600.0	1584.7	2.630	2.518	34.588	27.599	34.973	27.590	58.2	18.980	90.6	1486.8	19649.4	3.7
1620.0	1604.5	2.612	2.499	34.589	27.601	35.067	27.592	58.0	19.097	90.6	1487.1	20024.9	2.3
1640.0	1624.2	2.583	2.468	34.592	27.606	35.163	27.596	57.6	19.212	90.6	1487.3	20402.6	2.0
1660.0	1643.9	2.549	2.433	34.594	27.611	35.260	27.601	57.1	19.327	90.6	1487.5	20782.5	2.0
1680.0	1663.6	2.515	2.398	34.597	27.617	35.357	27.607	56.6	19.441	90.7	1487.6	21164.7	3.8
1700.0	1683.3	2.489	2.370	34.599	27.621	35.453	27.611	56.2	19.554	90.6	1487.9	21549.1	3.8
1720.0	1703.0	2.468	2.348	34.600	27.623	35.547	27.613	56.0	19.666	90.6	1488.1	21935.6	1.5
1740.0	1722.8	2.424	2.303	34.604	27.629	35.646	27.619	55.3	19.777	90.6	1488.3	22324.3	1.2
1760.0	1742.5	2.415	2.292	34.605	27.631	35.738	27.621	55.3	19.888	90.6	1488.6	22715.2	1.2
1780.0	1762.2	2.372	2.248	34.608	27.638	35.837	27.627	54.6	19.998	90.6	1488.7	23108.2	6.2
1800.0	1781.9	2.362	2.237	34.610	27.640	35.930	27.629	54.5	20.107	90.6	1489.0	23503.3	2.4
1820.0	1801.6	2.340	2.213	34.611	27.643	36.025	27.633	54.2	20.216	90.6	1489.2	23900.5	.4
1840.0	1821.3	2.328	2.200	34.612	27.645	36.117	27.634	54.1	20.324	90.7	1489.5	24299.8	5.1
1860.0	1841.0	2.293	2.163	34.614	27.649	36.213	27.639	53.6	20.431	90.6	1489.7	24701.2	3.0
1880.0	1860.7	2.263	2.133	34.615	27.652	36.308	27.642	53.3	20.538	90.6	1489.9	25104.7	.4
1900.0	1880.4	2.229	2.097	34.615	27.656	36.404	27.645	52.9	20.644	90.7	1490.1	25510.2	3.3
1920.0	1900.1	2.204	2.071	34.618	27.660	36.500	27.649	52.5	20.750	90.7	1490.3	25917.8	3.4
1940.0	1919.8	2.192	2.057	34.618	27.661	36.591	27.650	52.4	20.855	90.5	1490.6	26327.4	.7
1960.0	1939.4	2.175	2.039	34.620	27.664	36.686	27.653	52.1	20.959	90.6	1490.9	26739.1	4.6
1980.0	1959.1	2.158	2.020	34.622	27.667	36.779	27.656	51.9	21.063	90.6	1491.1	27152.7	.5
2000.0	1978.8	2.135	1.997	34.624	27.670	36.874	27.660	51.6	21.167	90.5	1491.4	27568.4	-.4
2050.0	2028.0	2.086	1.944	34.628	27.678	37.109	27.667	50.9	21.423	90.6	1492.0	28616.2	.5
2100.0	2077.2	2.052	1.906	34.631	27.684	37.341	27.672	50.4	21.676	90.6	1492.7	29676.4	1.7
2150.0	2126.4	2.007	1.857	34.636	27.691	37.576	27.680	49.7	21.927	90.6	1493.4	30748.6	-.3
2200.0	2175.6	1.982	1.828	34.638	27.695	37.806	27.683	49.4	22.175	90.5	1494.1	31832.9	2.1
2250.0	2224.7	1.952	1.794	34.641	27.700	38.037	27.688	49.1	22.421	90.6	1494.8	32929.0	1.0
2300.0	2273.9	1.917	1.756	34.645	27.706	38.269	27.694	48.5	22.665	90.6	1495.5	34037.0	1.6
2350.0	2323.0	1.881	1.716	34.648	27.712	38.500	27.699	48.1	22.906	90.6	1496.2	35156.6	.2
2400.0	2372.1	1.855	1.686	34.650	27.715	38.730	27.702	47.8	23.146	90.5	1496.9	36287.7	-.1
2450.0	2421.2	1.832	1.659	34.651	27.719	38.958	27.706	47.5	23.385	90.6	1497.7	37430.4	.6
2500.0	2470.3	1.806	1.629	34.654	27.723	39.187	27.710	47.2	23.622	90.6	1498.4	38584.4	1.8
2550.0	2519.4	1.777	1.596	34.657	27.727	39.417	27.714	46.8	23.857	90.6	1499.1	39749.8	2.1
2600.0	2568.5	1.750	1.565	34.658	27.731	39.645	27.718	46.5	24.090	90.5	1499.8	40926.4	.4
2650.0	2617.6	1.722	1.533	34.661	27.735	39.873	27.721	46.1	24.321	90.6	1500.6	42114.1	-.2
2700.0	2666.6	1.704	1.510	34.662	27.739	40.100	27.724	45.9	24.551	90.5	1501.3	43312.8	.8
2750.0	2715.7	1.688	1.491	34.664	27.741	40.326	27.726	45.8	24.780	90.5	1502.1	44522.6	2.0
2800.0	2764.7	1.666	1.464	34.667	27.745	40.554	27.730	45.4	25.008	90.5	1502.9	45743.3	1.7
2850.0	2813.7	1.653	1.446	34.667	27.747	40.779	27.732	45.3	25.235	90.5	1503.7	46974.8	.9
2900.0	2862.8	1.640	1.429	34.669	27.749	41.003	27.734	45.2	25.462	90.5	1504.5	48217.2	1.8
2950.0	2911.8	1.622	1.407	34.670	27.752	41.229	27.736	45.0	25.687	90.6	1505.2	49470.3	.4
3000.0	2960.7	1.608	1.389	34.672	27.755	41.453	27.739	44.9	25.912	90.5	1506.0	50734.2	.7
3050.0	3009.7	1.596	1.372	34.673	27.757	41.677	27.740	44.8	26.136	90.6	1506.8	52008.8	-.7
3100.0	3058.7	1.586	1.357	34.674	27.759	41.901	27.743	44.7	26.360	90.5	1507.6	53294.1	-1.5
3150.0	3107.6	1.575	1.341	34.676	27.761	42.125	27.745	44.6	26.583	90.4	1508.4	54590.1	1.8
3200.0	3156.6	1.565	1.327	34.676	27.763	42.347	27.746	44.6	26.806	90.5	1509.2	55896.7	.6
3250.0	3205.5	1.557	1.314	34.678	27.765	42.570	27.747	44.5	27.028	90.5	1510.1	57213.8	-.5
3300.0	3254.4	1.552	1.305	34.679	27.766	42.791	27.749	44.5	27.251	90.6	1510.9	58541.6	3.1
3350.0	3303.4	1.545	1.293	34.680	27.768	43.013	27.750	44.5	27.473	90.5	1511.7	59879.9	.2
3400.0	3352.3	1.538	1.281	34.681	27.770	43.235	27.751	44.4	27.695	90.5	1512.5	61228.8	-.7
3450.0	3401.1	1.533	1.271	34.682	27.771	43.455	27.752	44.4	27.917	90.5	1513.4	62588.3	-1.2
3500.0	3450.0	1.526	1.259	34.683	27.773	43.677	27.754	44.3	28.139	90.5	1514.2	63958.3	-.6
3550.0	3498.9	1.517	1.245	34.684	27.775	43.898	27.755	44.3	28.361	90.4	1515.0	65338.8	.4
3600.0	3547.8	1.509	1.232	34.686	27.777	44.119	27.757	44.2	28.582	90.5	1515.8	66729.9	.1
3650.0	3596.6	1.506	1.224	34.687	27.778	44.339	27.758	44.2	28.803	90.6	1516.7	68131.4	.7
3700.0	3645.4	1.502	1.215	34.687	27.779	44.558	27.759	44.3	29.024	90.5	1517.5	69543.4	-1.0
3750.0	3694.3	1.500	1.208	34.688	27.781	44.778	27.760	44.3	29.246	90.5	1518.4	70966.0	.3
3800.0	3743.1	1.500	1.202	34.688	27.781	44.995	27.760	44.4	29.467	90.5	1519.2	72399.0	.3
3850.0	3791.9	1.500	1.197	34.689	27.782	45.214	27.761	44.5	29.690	90.5	1520.1	73842.5	.1
3900.0	3840.7	1.501	1.193	34.689	27.783	45.431	27.761	44.6	29.912	90.5	1521.0	75296.6	-.2
3950.0	3889.4	1.504	1.190	34.690	27.783	45.648	27.761	44.7	30.135	90.5	1521.8	76761.2	1.3
4000.0	3938.2	1.505	1.186	34.690	27.784	45.865	27.761	44.9	30.359	90.5	1522.7	78236.4	-.1
4050.0	3987.0	1.507	1.182	34.691	27.785	46.082	27.762	45.0	30.584	90.5	1523.6	79722.3	.0
4100.0	4035.7	1.509	1.179	34.692	27.786	46.299	27.762	45.1	30.809	90.4	1524.4	81218.8	.0
4150.0	4084.5	1.513	1.177	34.691	27.785	46.514	27.762	45.3	31.035	90.3	1525.3	82725.9	.6
4200.0	4133.2	1.517	1.176	34.691	27.786	46.729	27.761	45.5	31.262	90.4	1526.2	84243.8	.4
4250.0	4181.9	1.522	1.174	34.692	27.786	46.944	27.761	45.7	31.490	90.4	1527.1	85772.4	-.4
4300.0	4230.6	1.526	1.173	34.692	27.786	47.159	27.761	45.9	31.719	90.4	1528.0	87311.8	.8
4350.0	4279.3	1.531	1.172	34.692	27.786	47.373	27.760	46.1	31.949	90.4	1528.9	88862.1	.5
4384.0	4312.4	1.535	1.172	34.692	27.786	47.519	27.760	46.3	32.106	90.4	1529.5	89922.4	.0

Station 67 Latitude 31° 37.18'N Longitude 127° 12.43'W 30 Aug 1989 GMT 02:12 Bottom 4050 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.356	19.356	33.453	23.750	23.750	23.750	413.9	.000	90.2	1518.5	.0	.0
10.0	10.0	19.353	19.352	33.453	23.751	23.795	23.751	414.1	.414	90.1	1518.7	2.1	.0
20.0	19.9	19.257	19.254	33.451	23.774	23.861	23.773	412.3	.828	90.1	1518.6	8.3	28.7
30.0	29.9	19.229	19.223	33.449	23.781	23.911	23.779	412.0	1.240	90.1	1518.7	18.6	.7
40.0	39.9	19.221	19.214	33.449	23.783	23.956	23.781	412.2	1.652	90.1	1518.8	33.0	1.2
50.0	49.9	19.165	19.156	33.438	23.789	24.007	23.787	411.9	2.064	90.0	1518.8	51.5	66.0
60.0	59.8	18.551	18.540	33.371	23.892	24.154	23.890	402.4	2.471	90.0	1517.1	74.1	90.9
70.0	69.8	18.165	18.153	33.361	23.980	24.285	23.977	394.4	2.871	89.9	1516.2	100.7	480.0
80.0	79.8	14.839	14.827	33.244	24.656	25.010	24.654	329.8	3.232	89.9	1506.0	131.2	509.6
90.0	89.7	13.429	13.416	33.214	24.927	25.327	24.925	304.2	3.547	89.9	1501.5	165.0	131.4
100.0	99.7	12.415	12.401	33.241	25.147	25.593	25.145	283.3	3.840	90.2	1498.3	201.8	144.9
110.0	109.6	11.928	11.914	33.271	25.263	25.755	25.260	272.4	4.117	90.4	1496.8	241.4	18.1
120.0	119.6	11.657	11.642	33.295	25.332	25.869	25.330	266.0	4.387	90.5	1496.1	283.7	20.7
130.0	129.5	11.066	11.050	33.386	25.510	26.093	25.507	249.3	4.646	90.7	1494.3	328.6	155.8
140.0	139.5	10.796	10.779	33.422	25.587	26.216	25.584	242.1	4.892	90.8	1493.5	376.1	151.1
150.0	149.4	10.458	10.441	33.471	25.684	26.358	25.680	233.1	5.129	90.9	1492.5	425.9	169.2
160.0	159.4	9.958	9.940	33.565	25.842	26.564	25.839	218.1	5.353	91.0	1491.0	478.1	130.5
170.0	169.3	9.644	9.625	33.632	25.947	26.714	25.944	208.3	5.566	90.9	1490.1	532.4	64.8
180.0	179.3	9.427	9.407	33.681	26.021	26.834	26.018	201.4	5.771	90.9	1489.5	588.8	100.8
190.0	189.2	9.110	9.089	33.765	26.138	26.997	26.134	190.4	5.966	90.9	1488.6	647.1	93.7
200.0	199.1	8.906	8.884	33.818	26.211	27.117	26.208	183.5	6.153	90.8	1488.1	707.3	19.9
210.0	209.1	8.712	8.690	33.869	26.282	27.233	26.278	177.0	6.333	90.8	1487.6	769.4	65.0
220.0	219.0	8.563	8.540	33.905	26.333	27.331	26.330	172.2	6.508	90.9	1487.2	833.2	45.0
230.0	229.0	8.407	8.383	33.938	26.383	27.426	26.379	167.7	6.678	90.8	1486.8	898.7	28.3
240.0	238.9	8.241	8.217	33.967	26.431	27.521	26.427	163.2	6.843	90.8	1486.4	965.9	41.5
250.0	248.8	8.100	8.075	33.984	26.465	27.601	26.461	160.1	7.004	90.8	1486.1	1034.7	39.7
260.0	258.8	7.968	7.942	33.994	26.493	27.675	26.489	157.5	7.163	90.9	1485.7	1105.1	18.6
270.0	268.7	7.838	7.811	34.001	26.517	27.746	26.514	155.3	7.320	90.8	1485.4	1177.0	20.3
280.0	278.6	7.722	7.694	34.010	26.541	27.815	26.537	153.2	7.474	90.8	1485.1	1250.5	17.7
290.0	288.6	7.554	7.526	34.015	26.570	27.890	26.565	150.6	7.626	90.8	1484.6	1325.5	16.2
300.0	298.5	7.410	7.381	34.020	26.594	27.961	26.590	148.3	7.776	90.8	1484.2	1402.0	2.1
310.0	308.4	7.358	7.328	34.021	26.602	28.014	26.597	147.7	7.924	90.7	1484.2	1479.9	26.7
320.0	318.4	7.206	7.175	34.025	26.627	28.086	26.622	145.4	8.070	90.7	1483.8	1559.3	13.8
330.0	328.3	7.177	7.146	34.025	26.631	28.136	26.627	145.1	8.215	90.6	1483.8	1640.2	4.4
340.0	338.2	7.058	7.026	34.031	26.652	28.204	26.648	143.2	8.360	90.6	1483.5	1722.5	24.9
350.0	348.1	6.881	6.849	34.021	26.669	28.267	26.664	141.7	8.502	90.6	1483.0	1806.2	10.0
360.0	358.1	6.735	6.702	34.021	26.688	28.333	26.684	139.8	8.643	90.6	1482.6	1891.3	12.6
370.0	368.0	6.586	6.552	34.016	26.704	28.396	26.700	138.4	8.782	90.6	1482.1	1977.8	41.2
380.0	377.9	6.332	6.299	34.010	26.732	28.472	26.728	135.6	8.918	90.6	1481.3	2065.7	12.8
390.0	387.9	6.200	6.166	34.018	26.756	28.543	26.752	133.4	9.053	90.6	1480.9	2154.9	26.2
400.0	397.8	6.096	6.061	34.020	26.771	28.604	26.766	132.1	9.186	90.5	1480.7	2245.4	16.3
410.0	407.7	6.045	6.010	34.023	26.779	28.659	26.775	131.4	9.318	90.6	1480.7	2337.2	4.3
420.0	417.6	5.939	5.903	34.023	26.793	28.719	26.789	130.1	9.448	90.6	1480.4	2430.3	23.3
430.0	427.5	5.774	5.738	34.036	26.824	28.798	26.820	127.1	9.576	90.6	1479.9	2524.7	6.8
440.0	437.5	5.742	5.705	34.037	26.829	28.848	26.824	126.8	9.704	90.6	1479.9	2620.4	12.1
450.0	447.4	5.639	5.601	34.040	26.844	28.910	26.839	125.4	9.830	90.5	1479.7	2717.3	10.1
460.0	457.3	5.531	5.493	34.039	26.856	28.969	26.851	124.3	9.955	90.6	1479.4	2815.4	14.1
470.0	467.2	5.443	5.405	34.050	26.875	29.035	26.871	122.4	10.078	90.5	1479.2	2914.8	9.1
480.0	477.2	5.412	5.373	34.062	26.888	29.094	26.883	121.4	10.200	90.6	1479.3	3015.4	18.5
490.0	487.1	5.305	5.265	34.058	26.898	29.151	26.893	120.4	10.320	90.5	1479.0	3117.1	10.0
500.0	497.0	5.228	5.188	34.063	26.911	29.211	26.906	119.2	10.440	90.6	1478.9	3220.1	12.9
510.0	506.9	5.157	5.116	34.071	26.925	29.272	26.920	117.9	10.559	90.6	1478.7	3324.2	7.7
520.0	516.8	5.126	5.084	34.074	26.931	29.324	26.927	117.4	10.676	90.6	1478.8	3429.6	11.5
530.0	526.8	5.083	5.041	34.083	26.944	29.383	26.939	116.3	10.793	90.6	1478.8	3536.0	7.7
540.0	536.7	5.062	5.019	34.091	26.952	29.437	26.947	115.6	10.909	90.6	1478.9	3643.6	14.7
550.0	546.6	4.989	4.945	34.111	26.976	29.508	26.972	113.3	11.024	90.6	1478.8	3752.4	28.7
560.0	556.5	4.948	4.904	34.118	26.987	29.565	26.982	112.4	11.136	90.7	1478.8	3862.2	12.1
570.0	566.4	4.905	4.860	34.125	26.998	29.622	26.992	111.5	11.248	90.6	1478.8	3973.2	10.9
580.0	576.3	4.859	4.814	34.137	27.012	29.683	27.007	110.1	11.359	90.6	1478.8	4085.3	8.0
590.0	586.3	4.771	4.725	34.140	27.025	29.742	27.020	108.9	11.469	90.7	1478.6	4198.4	20.2
600.0	596.2	4.716	4.669	34.147	27.037	29.801	27.032	107.8	11.577	90.7	1478.5	4312.7	2.4
610.0	606.1	4.715	4.668	34.165	27.051	29.861	27.045	106.6	11.684	90.7	1478.7	4427.9	5.6
620.0	616.0	4.619	4.571	34.177	27.071	29.928	27.065	104.7	11.790	90.9	1478.5	4544.3	37.8
630.0	625.9	4.596	4.547	34.186	27.081	29.984	27.076	103.8	11.894	90.7	1478.5	4661.7	6.2
640.0	635.8	4.565	4.515	34.196	27.093	30.042	27.087	102.8	11.997	90.6	1478.6	4780.0	14.7
650.0	645.7	4.523	4.473	34.217	27.114	30.109	27.108	100.9	12.099	90.7	1478.6	4899.4	12.9
660.0	655.6	4.493	4.443	34.232	27.129	30.171	27.123	99.5	12.199	90.7	1478.7	5019.8	10.9
670.0	665.5	4.448	4.397	34.243	27.142	30.231	27.137	98.2	12.298	90.6	1478.7	5141.2	7.4
680.0	675.4	4.419	4.367	34.251	27.152	30.287	27.146	97.4	12.396	90.7	1478.7	5263.6	21.1
690.0	685.3	4.408	4.355	34.277	27.174	30.354	27.168	95.4	12.492	90.7	1478.9	5386.9	8.8
700.0	695.3	4.406	4.352	34.279	27.176	30.402	27.170	95.3	12.588	90.7	1479.0	5511.1	4.5
710.0	705.2	4.369	4.315	34.290	27.189	30.462	27.183	94.2	12.682	90.7	1479.1	5636.3	9.1
720.0	715.1	4.344	4.289	34.300	27.199	30.518	27.193	93.3	12.776	90.6	1479.1	5762.4	11.2
730.0	725.0	4.328	4.273	34.309	27.208	30.573	27.202	92.5	12.869	90.7	1479.2	5889.4	3.6
740.0	734.9	4.306	4.250	34.316	27.216	30.627	27.210	91.8	12.961	90.7	1479.3	6017.3	5.9
750.0	744.8	4.317	4.260	34.326	27.223	30.680	27.217	91.2	13.052	90.7	1479.5	6146.1	3.9
760.0	754.7	4.292	4.234	34.336	27.233	30.736	27.227	90.3	13.143	90.7	1479.6	6275.8	8.3
770.0	764.6	4.386	4.327	34.361	27.244	30.790	27.237	89.7	13.233	90.6	1480.2	6406.4	3.4
780.0	774.5	4.364	4.304	34.370	27.253	30.846	27.247	88.8	13.322	90.6	1480.3	6537.9	7.2
790.0	784.4	4.332	4.272	34.375	27.260	30.899	27.254	88.2	13.411	90.7	1480.3	6670.3	3.7
800.0	794.3	4.335	4.274	34.387	27.270	30.954	27.263	87.4	13.498	90.7	1480.5	6803.5	5.7
810.0	804.2	4.327	4.265	34.392	27.274	31.004	27.268	87.1	13.586	90.7	1480.7	6937.6	11.6
820.0	814.1	4.303	4.240	34.401	27.285	31.061	27.278	86.2	13.672	90.6	1480.7	7072.5	9.5
830.0	824.0	4.267	4.204	34.408	27.294	31.116	27.287	85.3	13.758	90.7	1480.8	7208.3	5.7
840.0	833.9	4.226	4.162	34.412	27.301	31.170	27.295	84.7	13.843	90.6	1480.8	7344.9	8.9
850.0	843.8	4.202	4.137	34.414	27.306	31.221	27.299	84.3	13.928	90.7	1480.8	7482.4	-.1
860.0	853.7	4.184	4.119	34.418	27.311	31.271	27.304	83.9	14.012	90.7	1480.9	7620.7	5.7
870.0	863.6	4.147	4.081	34.424	27.319	31.327	27.313	83.1	14.095	90.6	1480.9	7759.8	2.5
880.0	873.5	4.146	4.079	34.424	27.320	31.373	27.313	83.2	14.178	90.5	1481.1	7899.7	1.6
890.0	883.4	4.131	4.063	34.427	27.324	31.423	27.317	82.8	14.261	90.6	1481.2	8040.4	7.8
900.0	893.3	4.091	4.023	34.431	27.331	31.477	27.324	82.2	14.344	90.7	1481.2	8182.0	6.3
910.0	903.2	4.063	3.994	34.435	27.337	31.529	27.330	81.7	14.426	90.6	1481.3	8324.3	8.7
920.0	913.1	4.054	3.985	34.443	27.344	31.582	27.337	81.1	14.507	90.6	1481.4	8467.5	8.4
930.0	923.0	4.026	3.956	34.447	27.351	31.634	27.343	80.5	14.588	90.6	1481.5	8611.4	6.1
940.0	932.9	4.006	3.935	34.451	27.356	31.686	27.349	80.0	14.668	90.6	1481.5	8756.2	11.6
950.0	942.8	3.979	3.907	34.456	27.363	31.739	27.355	79.4	14.748	90.6	1481.6	8901.7	3.4
960.0	952.7	3.966	3.894	34.458	27.365	31.787	27.358	79.3	14.828	90.6	1481.7	9048.0	8.1
970.0	962.5	3.934	3.861	34.464	27.374	31.842	27.367	78.5	14.906	90.6	1481.7	9195.1	7.3
980.0	972.4	3.918	3.844	34.468	27.379	31.893	27.371	78.1	14.985	90.6	1481.8	9342.9	4.0
990.0	982.3	3.848	3.774	34.465	27.384	31.945	27.376	77.5	15.062	90.7	1481.7	9491.5	-.1

Station 67 Latitude 31° 37.18'N Longitude 127° 12.43'W 30 Aug 1989 GMT 02:12 Bottom 4050 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.827	3.753	34.468	27.388	31.996	27.380	77.2	15.140	90.6	1481.8	9640.9	6.1
1020.0	1012.0	3.779	3.703	34.475	27.399	32.099	27.391	76.2	15.293	90.6	1481.9	9941.9	2.6
1040.0	1031.8	3.732	3.655	34.480	27.408	32.200	27.400	75.5	15.445	90.6	1482.1	10245.9	10.5
1060.0	1051.6	3.676	3.598	34.485	27.417	32.302	27.410	74.6	15.595	90.7	1482.2	10552.8	6.4
1080.0	1071.3	3.631	3.552	34.490	27.426	32.403	27.418	73.8	15.743	90.6	1482.3	10862.7	5.5
1100.0	1091.1	3.588	3.508	34.500	27.438	32.507	27.430	72.8	15.890	90.6	1482.5	11175.4	14.3
1120.0	1110.9	3.554	3.472	34.505	27.445	32.607	27.437	72.1	16.035	90.6	1482.7	11491.0	5.5
1140.0	1130.7	3.513	3.430	34.510	27.454	32.707	27.445	71.4	16.178	90.6	1482.8	11809.4	.6
1160.0	1150.4	3.467	3.383	34.514	27.462	32.808	27.454	70.7	16.320	90.6	1483.0	12130.6	5.3
1180.0	1170.2	3.422	3.337	34.518	27.469	32.908	27.461	70.0	16.461	90.7	1483.1	12454.6	2.4
1200.0	1189.9	3.373	3.286	34.523	27.477	33.008	27.469	69.3	16.600	90.6	1483.3	12781.3	6.2
1220.0	1209.7	3.323	3.235	34.526	27.485	33.108	27.476	68.6	16.738	90.6	1483.4	13110.7	6.8
1240.0	1229.5	3.266	3.177	34.529	27.493	33.209	27.485	67.8	16.875	90.6	1483.5	13442.8	1.2
1260.0	1249.2	3.218	3.127	34.535	27.502	33.311	27.493	67.0	17.010	90.6	1483.6	13777.5	3.6
1280.0	1269.0	3.179	3.087	34.537	27.508	33.409	27.499	66.5	17.143	90.7	1483.8	14114.8	6.8
1300.0	1288.7	3.138	3.045	34.541	27.514	33.508	27.506	65.9	17.275	90.7	1483.9	14454.8	1.8
1320.0	1308.5	3.099	3.004	34.544	27.521	33.607	27.512	65.3	17.406	90.6	1484.1	14797.3	.7
1340.0	1328.2	3.065	2.970	34.547	27.527	33.704	27.518	64.8	17.537	90.6	1484.3	15142.3	3.0
1360.0	1348.0	3.031	2.934	34.551	27.532	33.802	27.524	64.3	17.666	90.6	1484.5	15489.9	3.6
1380.0	1367.7	2.989	2.891	34.554	27.539	33.901	27.530	63.7	17.794	90.6	1484.6	15840.0	-1.7
1400.0	1387.5	2.965	2.866	34.555	27.542	33.996	27.533	63.4	17.921	90.6	1484.9	16192.5	2.2
1420.0	1407.2	2.922	2.822	34.558	27.548	34.094	27.539	62.9	18.047	90.7	1485.0	16547.6	3.6
1440.0	1426.9	2.880	2.779	34.562	27.555	34.194	27.546	62.2	18.172	90.6	1485.2	16905.1	.1
1460.0	1446.7	2.855	2.752	34.563	27.559	34.289	27.550	61.9	18.296	90.6	1485.4	17264.9	3.1
1480.0	1466.4	2.821	2.717	34.566	27.564	34.386	27.555	61.4	18.420	90.6	1485.6	17627.2	1.6
1500.0	1486.2	2.790	2.684	34.569	27.569	34.483	27.560	61.0	18.542	90.6	1485.8	17991.9	.2
1520.0	1505.9	2.766	2.659	34.570	27.573	34.578	27.563	60.7	18.664	90.6	1486.0	18359.0	7.8
1540.0	1525.6	2.730	2.622	34.574	27.579	34.676	27.569	60.1	18.784	90.6	1486.2	18728.4	1.4
1560.0	1545.3	2.693	2.583	34.577	27.584	34.774	27.575	59.6	18.904	90.6	1486.4	19100.2	5.2
1580.0	1565.1	2.654	2.543	34.579	27.590	34.872	27.580	59.0	19.022	90.6	1486.6	19474.2	1.1
1600.0	1584.8	2.618	2.507	34.582	27.596	34.970	27.586	58.5	19.140	90.6	1486.7	19850.6	2.0
1620.0	1604.5	2.579	2.466	34.586	27.601	35.068	27.592	57.9	19.256	90.5	1486.9	20229.2	2.3
1640.0	1624.2	2.554	2.440	34.587	27.605	35.163	27.595	57.6	19.372	90.6	1487.1	20610.1	1.7
1660.0	1643.9	2.526	2.410	34.590	27.610	35.259	27.600	57.2	19.487	90.6	1487.3	20993.2	.8
1680.0	1663.7	2.498	2.381	34.591	27.613	35.355	27.603	56.8	19.601	90.6	1487.6	21378.5	2.3
1700.0	1683.4	2.481	2.363	34.593	27.616	35.449	27.606	56.6	19.714	90.6	1487.8	21766.0	.6
1720.0	1703.1	2.450	2.330	34.597	27.622	35.546	27.612	56.1	19.827	90.6	1488.0	22155.7	3.2
1740.0	1722.8	2.405	2.284	34.600	27.628	35.645	27.618	55.4	19.938	90.6	1488.2	22547.6	4.1
1760.0	1742.5	2.369	2.247	34.602	27.633	35.742	27.623	54.9	20.049	90.6	1488.4	22941.7	2.4
1780.0	1762.2	2.342	2.218	34.605	27.638	35.839	27.628	54.5	20.158	90.6	1488.6	23337.8	3.3
1800.0	1781.9	2.320	2.195	34.606	27.641	35.933	27.631	54.2	20.267	90.6	1488.8	23736.1	3.3
1820.0	1801.6	2.300	2.174	34.609	27.644	36.028	27.634	53.9	20.375	90.5	1489.1	24136.5	3.9
1840.0	1821.3	2.273	2.146	34.611	27.648	36.124	27.638	53.5	20.482	90.5	1489.3	24538.9	4.2
1860.0	1841.0	2.247	2.119	34.613	27.652	36.219	27.642	53.1	20.589	90.6	1489.5	24943.5	.7
1880.0	1860.7	2.221	2.091	34.615	27.656	36.314	27.645	52.8	20.695	90.6	1489.7	25350.1	.4
1900.0	1880.4	2.203	2.072	34.617	27.659	36.408	27.649	52.5	20.800	90.6	1490.0	25758.7	1.0
1920.0	1900.1	2.178	2.046	34.618	27.662	36.503	27.651	52.2	20.905	90.6	1490.2	26169.3	.1
1940.0	1919.8	2.155	2.021	34.619	27.665	36.597	27.654	51.9	21.009	90.6	1490.5	26582.0	.1
1960.0	1939.5	2.133	1.998	34.621	27.668	36.691	27.657	51.6	21.112	90.6	1490.7	26996.7	1.3
1980.0	1959.2	2.113	1.976	34.622	27.670	36.785	27.660	51.3	21.216	90.6	1491.0	27413.3	3.1
2000.0	1978.9	2.094	1.956	34.624	27.674	36.879	27.663	51.1	21.318	90.6	1491.2	27832.0	2.2
2050.0	2028.1	2.058	1.916	34.628	27.680	37.113	27.669	50.5	21.572	90.6	1491.9	28887.2	-.4
2100.0	2077.3	2.023	1.877	34.633	27.687	37.347	27.676	49.9	21.823	90.6	1492.6	29954.6	1.4
2150.0	2126.4	1.988	1.839	34.635	27.692	37.578	27.681	49.5	22.072	90.5	1493.3	31034.1	1.2
2200.0	2175.6	1.952	1.799	34.639	27.698	37.811	27.687	49.0	22.319	90.6	1494.0	32125.5	1.5
2250.0	2224.8	1.917	1.760	34.644	27.705	38.044	27.693	48.5	22.563	90.5	1494.7	33228.6	1.6
2300.0	2273.9	1.891	1.731	34.646	27.709	38.273	27.697	48.1	22.804	90.5	1495.4	34343.5	1.3
2350.0	2323.1	1.858	1.693	34.648	27.714	38.504	27.701	47.7	23.043	90.6	1496.1	35469.9	.5
2400.0	2372.2	1.834	1.665	34.651	27.718	38.734	27.705	47.4	23.281	90.5	1496.8	36607.7	.8
2450.0	2421.3	1.804	1.632	34.654	27.723	38.964	27.710	47.0	23.517	90.5	1497.5	37757.0	-.9
2500.0	2470.4	1.781	1.605	34.656	27.726	39.192	27.713	46.8	23.752	90.5	1498.3	38917.5	2.6
2550.0	2519.5	1.754	1.574	34.659	27.731	39.421	27.717	46.4	23.984	90.5	1499.0	40089.2	.6
2600.0	2568.6	1.732	1.548	34.660	27.734	39.649	27.720	46.1	24.215	90.5	1499.8	41272.0	2.1
2650.0	2617.6	1.714	1.526	34.662	27.737	39.876	27.723	45.9	24.446	90.5	1500.5	42465.9	-.4
2700.0	2666.7	1.689	1.496	34.664	27.741	40.104	27.727	45.6	24.674	90.5	1501.3	43670.7	-1.9
2750.0	2715.7	1.672	1.475	34.666	27.743	40.330	27.729	45.4	24.902	90.5	1502.1	44886.5	2.9
2800.0	2764.8	1.654	1.452	34.667	27.747	40.556	27.732	45.2	25.128	90.5	1502.8	46113.1	.3
2850.0	2813.8	1.639	1.433	34.668	27.749	40.781	27.734	45.1	25.354	90.5	1503.6	47350.5	.3
2900.0	2862.8	1.622	1.412	34.670	27.751	41.007	27.736	44.9	25.579	90.5	1504.4	48598.6	2.4
2950.0	2911.8	1.610	1.396	34.671	27.754	41.231	27.738	44.8	25.803	90.6	1505.2	49857.5	1.0
3000.0	2960.8	1.600	1.381	34.673	27.756	41.456	27.740	44.7	26.027	90.6	1506.0	51127.1	-.1
3050.0	3009.8	1.583	1.360	34.675	27.759	41.681	27.743	44.4	26.250	90.5	1506.8	52407.4	-.1
3100.0	3058.7	1.572	1.343	34.675	27.761	41.904	27.744	44.4	26.472	90.5	1507.6	53698.3	-1.8
3112.0	3070.5	1.571	1.342	34.675	27.761	41.957	27.744	44.4	26.526	90.5	1507.8	54009.6	.0

Station 68 Latitude 31° 23.47'N Longitude 127° 20.78'W 30 Aug 1989 GMT 05:21 Bottom 4200 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.257	19.257	33.432	23.759	23.759	23.759	413.0	.000	90.1	1518.2	.0	.0
10.0	10.0	19.263	19.261	33.432	23.758	23.801	23.757	413.5	.413	90.1	1518.4	2.1	.8
20.0	20.0	19.249	19.245	33.430	23.760	23.847	23.760	413.6	.827	90.1	1518.5	8.2	11.8
30.0	29.9	19.204	19.199	33.429	23.772	23.902	23.770	412.9	1.240	90.1	1518.6	18.6	5.8
40.0	39.9	19.057	19.050	33.415	23.798	23.972	23.797	410.7	1.652	89.9	1518.3	33.0	31.7
50.0	49.9	18.610	18.601	33.383	23.887	24.104	23.885	402.6	2.059	90.1	1517.1	51.5	47.0
60.0	59.8	18.404	18.393	33.382	23.938	24.199	23.935	398.1	2.460	90.0	1516.7	74.0	85.9
70.0	69.8	16.414	16.403	33.407	24.431	24.738	24.429	351.2	2.838	89.8	1511.0	100.5	426.1
80.0	79.8	14.621	14.609	33.334	24.773	25.126	24.770	318.7	3.171	90.1	1505.4	130.4	244.3
90.0	89.7	14.403	14.390	33.418	24.884	25.281	24.881	308.5	3.484	90.2	1505.0	163.6	253.6
100.0	99.7	12.858	12.845	33.228	25.052	25.497	25.049	292.5	3.783	90.2	1499.8	199.7	44.6
110.0	109.6	12.409	12.394	33.213	25.127	25.618	25.124	285.5	4.072	90.4	1498.4	238.9	47.2
120.0	119.6	12.718	12.702	33.434	25.239	25.773	25.236	275.2	4.354	90.5	1499.9	280.8	157.0
130.0	129.5	11.968	11.951	33.391	25.349	25.930	25.346	264.8	4.623	90.7	1497.4	325.5	110.0
140.0	139.5	11.607	11.590	33.435	25.451	26.078	25.448	255.3	4.883	90.8	1496.4	372.8	112.3
150.0	149.4	11.172	11.154	33.436	25.531	26.204	25.528	247.8	5.135	90.8	1495.0	422.6	73.9
160.0	159.4	10.819	10.799	33.465	25.616	26.335	25.613	239.8	5.379	91.0	1494.0	474.9	139.4
170.0	169.3	10.373	10.353	33.578	25.782	26.547	25.778	224.2	5.609	90.9	1492.7	529.6	65.3
180.0	179.3	10.154	10.133	33.645	25.872	26.682	25.868	215.8	5.830	91.0	1492.1	586.5	140.8
190.0	189.2	9.695	9.674	33.672	25.970	26.827	25.967	206.5	6.041	91.0	1490.7	645.5	45.5
200.0	199.2	9.500	9.478	33.743	26.057	26.960	26.053	198.4	6.243	90.9	1490.2	706.6	35.8
210.0	209.1	9.166	9.143	33.804	26.159	27.109	26.155	188.8	6.437	90.9	1489.2	769.6	106.1
220.0	219.0	8.861	8.838	33.850	26.243	27.240	26.240	180.9	6.621	90.9	1488.3	834.5	51.3
230.0	229.0	8.801	8.776	33.888	26.282	27.325	26.279	177.3	6.800	91.0	1488.3	901.2	12.6
240.0	238.9	8.731	8.705	33.900	26.303	27.390	26.299	175.5	6.976	90.9	1488.2	969.6	76.1
250.0	248.9	8.420	8.394	33.955	26.394	27.529	26.391	166.9	7.147	90.9	1487.2	1039.8	24.6
260.0	258.8	8.200	8.173	33.964	26.435	27.615	26.431	163.2	7.312	90.9	1486.6	1111.6	33.6
270.0	268.7	8.039	8.012	33.974	26.466	27.693	26.462	160.3	7.474	90.9	1486.1	1185.1	18.0
280.0	278.6	7.942	7.914	33.982	26.487	27.760	26.483	158.4	7.633	90.9	1485.9	1260.1	9.3
290.0	288.6	7.904	7.875	33.996	26.504	27.822	26.500	157.0	7.791	90.8	1486.0	1336.7	36.5
300.0	298.5	7.712	7.682	34.002	26.537	27.902	26.532	153.9	7.946	90.8	1485.4	1414.9	21.2
310.0	308.5	7.606	7.576	34.004	26.554	27.965	26.550	152.4	8.099	90.8	1485.2	1494.6	24.1
320.0	318.4	7.395	7.364	34.008	26.587	28.044	26.582	149.3	8.250	90.8	1484.5	1575.8	30.0
330.0	328.3	7.233	7.201	34.009	26.611	28.115	26.606	147.1	8.399	90.8	1484.0	1658.4	37.2
340.0	338.2	6.996	6.964	34.007	26.642	28.194	26.637	144.2	8.544	90.8	1483.3	1742.6	34.6
350.0	348.2	6.841	6.809	34.003	26.660	28.258	26.655	142.5	8.687	90.7	1482.8	1828.1	13.5
360.0	358.1	6.707	6.674	34.006	26.680	28.326	26.676	140.6	8.829	90.8	1482.5	1915.1	30.1
370.0	368.0	6.543	6.509	34.007	26.703	28.396	26.699	138.4	8.968	90.7	1482.0	2003.4	.5
380.0	378.0	6.499	6.465	34.007	26.709	28.447	26.704	138.0	9.107	90.8	1482.0	2093.1	3.7
390.0	387.9	6.438	6.403	34.016	26.724	28.509	26.720	136.6	9.244	90.7	1481.9	2184.2	20.7
400.0	397.8	6.366	6.331	34.037	26.750	28.580	26.745	134.3	9.380	90.6	1481.8	2276.6	8.1
410.0	407.7	6.244	6.208	34.040	26.768	28.645	26.763	132.7	9.513	90.6	1481.5	2370.4	15.1
420.0	417.7	6.062	6.026	34.026	26.780	28.705	26.775	131.5	9.645	90.6	1480.9	2465.5	20.4
430.0	427.6	5.952	5.915	34.031	26.798	28.770	26.794	129.8	9.776	90.7	1480.6	2561.8	13.0
440.0	437.5	5.879	5.841	34.034	26.810	28.828	26.805	128.7	9.906	90.7	1480.5	2659.5	28.0
450.0	447.4	5.784	5.746	34.036	26.823	28.888	26.818	127.5	10.033	90.6	1480.3	2758.4	16.5
460.0	457.4	5.703	5.664	34.043	26.839	28.950	26.834	126.1	10.160	90.6	1480.1	2858.6	36.7
470.0	467.3	5.618	5.579	34.058	26.861	29.019	26.856	124.0	10.285	90.7	1480.0	2960.0	22.4
480.0	477.2	5.514	5.475	34.066	26.879	29.084	26.875	122.3	10.408	90.6	1479.7	3062.7	21.2
490.0	487.1	5.442	5.402	34.071	26.892	29.143	26.887	121.1	10.530	90.6	1479.6	3166.5	10.6
500.0	497.0	5.388	5.347	34.088	26.912	29.210	26.907	119.3	10.650	90.6	1479.5	3271.6	22.6
510.0	507.0	5.305	5.263	34.097	26.929	29.274	26.925	117.7	10.769	90.5	1479.4	3377.8	15.9
520.0	516.9	5.259	5.217	34.101	26.938	29.328	26.933	117.0	10.886	90.6	1479.4	3485.2	4.5
530.0	526.8	5.211	5.168	34.114	26.954	29.390	26.948	115.5	11.002	90.6	1479.3	3593.7	19.1
540.0	536.7	5.150	5.107	34.125	26.969	29.453	26.964	114.1	11.117	90.7	1479.3	3703.4	3.3
550.0	546.6	5.159	5.114	34.140	26.981	29.510	26.976	113.2	11.231	90.7	1479.5	3814.2	31.4
560.0	556.5	5.094	5.049	34.160	27.004	29.580	26.999	111.0	11.343	90.7	1479.4	3926.1	21.2
570.0	566.5	5.014	4.968	34.175	27.024	29.647	27.019	109.1	11.453	90.7	1479.3	4039.1	24.7
580.0	576.4	5.092	5.045	34.203	27.038	29.705	27.033	108.0	11.562	90.6	1479.8	4153.2	10.4
590.0	586.3	5.087	5.040	34.216	27.049	29.762	27.044	107.1	11.669	90.7	1480.0	4268.4	21.2
600.0	596.2	5.032	4.984	34.230	27.066	29.825	27.061	105.5	11.775	90.7	1479.9	4384.6	16.5
610.0	606.1	4.976	4.928	34.235	27.077	29.883	27.072	104.5	11.880	90.7	1479.9	4501.8	3.9
620.0	616.0	4.972	4.923	34.245	27.085	29.937	27.080	103.9	11.984	90.8	1480.0	4620.1	14.5
630.0	625.9	4.899	4.849	34.250	27.098	29.996	27.093	102.7	12.087	90.6	1479.9	4739.4	3.6
640.0	635.8	4.884	4.833	34.261	27.108	30.052	27.103	101.8	12.190	90.7	1480.0	4859.7	13.6
650.0	645.8	4.859	4.807	34.281	27.127	30.118	27.122	100.1	12.291	90.8	1480.1	4981.0	22.7
660.0	655.7	4.801	4.749	34.290	27.141	30.178	27.135	98.8	12.390	90.6	1480.0	5103.3	7.4
670.0	665.6	4.758	4.705	34.297	27.151	30.234	27.146	97.9	12.488	90.8	1480.0	5226.5	8.6
680.0	675.5	4.739	4.686	34.299	27.156	30.284	27.149	97.6	12.586	90.6	1480.1	5350.8	11.5
690.0	685.4	4.689	4.635	34.306	27.166	30.342	27.160	96.6	12.683	90.7	1480.1	5476.0	8.9
700.0	695.3	4.649	4.595	34.313	27.176	30.398	27.170	95.8	12.779	90.6	1480.1	5602.1	4.2
710.0	705.2	4.620	4.564	34.320	27.185	30.453	27.179	94.9	12.875	90.6	1480.1	5729.2	20.6
720.0	715.1	4.589	4.533	34.328	27.195	30.509	27.189	94.1	12.969	90.6	1480.2	5857.2	2.8
730.0	725.0	4.563	4.506	34.332	27.201	30.561	27.195	93.6	13.063	90.7	1480.2	5986.1	5.7
740.0	734.9	4.562	4.504	34.333	27.202	30.608	27.195	93.6	13.156	90.7	1480.4	6116.0	3.4
750.0	744.8	4.530	4.471	34.341	27.212	30.664	27.206	92.7	13.250	90.7	1480.5	6246.7	10.1
760.0	754.7	4.500	4.441	34.349	27.222	30.721	27.216	91.8	13.342	90.7	1480.5	6378.4	6.6
770.0	764.6	4.503	4.443	34.362	27.232	30.776	27.226	91.0	13.433	90.6	1480.7	6511.0	1.9
780.0	774.5	4.478	4.418	34.371	27.242	30.832	27.235	90.1	13.524	90.6	1480.8	6644.5	14.8
790.0	784.4	4.482	4.420	34.376	27.246	30.881	27.239	89.9	13.614	90.6	1481.0	6778.9	8.4
800.0	794.3	4.415	4.353	34.382	27.258	30.940	27.251	88.7	13.703	90.6	1480.9	6914.1	3.4
810.0	804.2	4.376	4.314	34.384	27.263	30.992	27.257	88.2	13.792	90.7	1480.9	7050.2	9.2
820.0	814.1	4.337	4.274	34.391	27.273	31.049	27.267	87.3	13.879	90.7	1480.9	7187.2	5.1
830.0	824.0	4.276	4.213	34.397	27.284	31.107	27.278	86.3	13.966	90.7	1480.8	7325.1	10.1
840.0	833.9	4.252	4.187	34.402	27.291	31.159	27.284	85.7	14.052	90.6	1480.9	7463.8	12.5
850.0	843.8	4.220	4.155	34.407	27.298	31.213	27.291	85.1	14.137	90.6	1480.9	7603.3	10.4
860.0	853.7	4.191	4.126	34.412	27.305	31.266	27.299	84.4	14.222	90.7	1480.9	7743.6	1.6
870.0	863.6	4.166	4.100	34.414	27.310	31.316	27.303	84.1	14.306	90.7	1481.0	7884.8	9.5
880.0	873.5	4.153	4.087	34.421	27.316	31.369	27.310	83.5	14.390	90.6	1481.1	8026.9	2.2
890.0	883.4	4.149	4.082	34.427	27.322	31.420	27.315	83.1	14.474	90.6	1481.3	8169.7	14.5
900.0	893.3	4.107	4.038	34.432	27.330	31.475	27.323	82.3	14.556	90.6	1481.3	8313.3	1.7
910.0	903.2	4.063	3.995	34.436	27.338	31.530	27.331	81.5	14.638	90.7	1481.3	8457.8	-1.6
920.0	913.1	4.027	3.958	34.441	27.346	31.584	27.339	80.8	14.719	90.6	1481.3	8603.1	5.5
930.0	923.0	4.003	3.933	34.445	27.352	31.636	27.344	80.4	14.800	90.7	1481.4	8749.1	4.3
940.0	932.9	3.981	3.910	34.449	27.357	31.688	27.350	79.9	14.880	90.7	1481.4	8895.9	6.1
950.0	942.8	3.961	3.890	34.453	27.362	31.739	27.355	79.5	14.960	90.7	1481.5	9043.6	5.5
960.0	952.7	3.943	3.871	34.455	27.366	31.788	27.358	79.2	15.039	90.7	1481.6	9191.9	3.7
970.0	962.6	3.919	3.846	34.457	27.370	31.839	27.363	78.8	15.118	90.6	1481.7	9341.1	8.1
980.0	972.5	3.865	3.792	34.463	27.380	31.896	27.373	77.8	15.196	90.6	1481.6	9491.1	1.7
990.0	982.4	3.832	3.759	34.467	27.387	31.949	27.379	77.2	15.274	90.6	1481.7	9641.8	4.3

Station 68 Latitude 31° 23.47'N Longitude 127° 20.78'W 30 Aug 1989 GMT 05:21 Bottom 4200 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.3	3.788	3.714	34.472	27.395	32.004	27.388	76.4	15.350	90.6	1481.6	9793.2	10.8
1020.0	1012.0	3.726	3.651	34.478	27.406	32.108	27.399	75.4	15.502	90.7	1481.7	10098.4	6.4
1040.0	1031.8	3.669	3.592	34.485	27.418	32.212	27.410	74.4	15.652	90.7	1481.8	10406.5	2.0
1060.0	1051.6	3.624	3.546	34.490	27.427	32.313	27.419	73.6	15.800	90.6	1482.0	10717.5	7.3
1080.0	1071.4	3.573	3.494	34.495	27.436	32.415	27.428	72.8	15.946	90.7	1482.1	11031.4	12.8
1100.0	1091.2	3.527	3.447	34.501	27.444	32.516	27.437	72.0	16.091	90.6	1482.2	11348.1	2.3
1120.0	1110.9	3.489	3.408	34.506	27.452	32.616	27.444	71.3	16.234	90.7	1482.4	11667.7	3.2
1140.0	1130.7	3.441	3.358	34.512	27.462	32.718	27.454	70.4	16.376	90.6	1482.5	11990.0	2.3
1160.0	1150.5	3.407	3.322	34.516	27.468	32.817	27.461	69.9	16.516	90.7	1482.7	12315.1	4.1
1180.0	1170.2	3.368	3.283	34.519	27.475	32.915	27.467	69.4	16.656	90.6	1482.9	12642.9	1.5
1200.0	1190.0	3.330	3.244	34.523	27.481	33.014	27.473	68.8	16.794	90.6	1483.1	12973.5	3.8
1220.0	1209.8	3.272	3.184	34.528	27.491	33.116	27.483	67.9	16.930	90.6	1483.2	13306.7	3.2
1240.0	1229.5	3.239	3.150	34.530	27.496	33.214	27.488	67.4	17.065	90.6	1483.4	13642.5	5.9
1260.0	1249.3	3.203	3.112	34.535	27.503	33.313	27.495	66.8	17.199	90.6	1483.5	13981.0	1.2
1280.0	1269.0	3.171	3.079	34.538	27.509	33.410	27.500	66.3	17.333	90.7	1483.7	14322.1	.3
1300.0	1288.8	3.141	3.048	34.541	27.514	33.508	27.506	65.9	17.465	90.6	1483.9	14665.8	4.2
1320.0	1308.5	3.109	3.014	34.544	27.520	33.605	27.511	65.5	17.596	90.6	1484.1	15012.1	3.3
1340.0	1328.3	3.074	2.978	34.547	27.525	33.702	27.516	65.0	17.727	90.6	1484.3	15360.9	2.1
1360.0	1348.0	3.025	2.929	34.550	27.533	33.803	27.524	64.2	17.856	90.6	1484.5	15712.2	1.0
1380.0	1367.8	2.994	2.896	34.553	27.537	33.899	27.529	63.8	17.984	90.6	1484.7	16066.0	.7
1400.0	1387.5	2.962	2.862	34.556	27.543	33.997	27.534	63.3	18.111	90.6	1484.9	16422.4	4.5
1420.0	1407.3	2.918	2.817	34.559	27.550	34.096	27.541	62.7	18.237	90.6	1485.0	16781.1	2.5
1440.0	1427.0	2.882	2.781	34.562	27.555	34.193	27.546	62.2	18.362	90.6	1485.2	17142.4	5.4
1460.0	1446.7	2.841	2.738	34.565	27.562	34.292	27.553	61.6	18.486	90.6	1485.3	17506.0	2.2
1480.0	1466.5	2.806	2.701	34.568	27.567	34.390	27.558	61.1	18.608	90.6	1485.5	17872.1	3.1
1500.0	1486.2	2.771	2.666	34.571	27.573	34.487	27.563	60.6	18.730	90.6	1485.7	18240.5	4.3
1520.0	1505.9	2.739	2.632	34.574	27.578	34.584	27.568	60.1	18.851	90.6	1485.9	18611.2	6.0
1540.0	1525.7	2.708	2.600	34.576	27.583	34.681	27.573	59.7	18.970	90.6	1486.1	18984.3	2.5
1560.0	1545.4	2.665	2.556	34.578	27.588	34.779	27.579	59.1	19.089	90.7	1486.3	19359.7	7.8
1580.0	1565.1	2.627	2.517	34.580	27.593	34.876	27.583	58.7	19.207	90.6	1486.4	19737.5	2.0
1600.0	1584.8	2.599	2.487	34.583	27.597	34.972	27.588	58.2	19.324	90.6	1486.7	20117.4	2.3
1620.0	1604.6	2.564	2.451	34.585	27.603	35.070	27.593	57.7	19.440	90.5	1486.8	20499.7	4.6
1640.0	1624.3	2.538	2.424	34.588	27.607	35.166	27.597	57.3	19.554	90.5	1487.1	20884.2	.5
1660.0	1644.0	2.513	2.398	34.591	27.611	35.262	27.601	57.0	19.669	90.6	1487.3	21270.9	1.4
1680.0	1663.7	2.480	2.363	34.594	27.617	35.359	27.607	56.4	19.782	90.6	1487.5	21659.8	3.2
1700.0	1683.4	2.449	2.331	34.595	27.620	35.454	27.610	56.1	19.895	90.5	1487.7	22050.9	1.4
1720.0	1703.1	2.413	2.294	34.598	27.626	35.552	27.616	55.5	20.006	90.6	1487.9	22444.2	1.2
1740.0	1722.8	2.393	2.272	34.600	27.629	35.646	27.619	55.3	20.117	90.6	1488.1	22839.6	3.8
1760.0	1742.6	2.374	2.252	34.603	27.633	35.742	27.623	54.9	20.227	90.5	1488.4	23237.2	3.0
1780.0	1762.3	2.347	2.224	34.606	27.638	35.838	27.627	54.5	20.337	90.5	1488.6	23636.8	1.2
1800.0	1782.0	2.322	2.197	34.606	27.640	35.932	27.630	54.2	20.445	90.6	1488.8	24038.6	3.3
1820.0	1801.7	2.300	2.174	34.607	27.643	36.026	27.632	54.0	20.553	90.6	1489.1	24442.5	.9
1840.0	1821.4	2.268	2.141	34.611	27.648	36.124	27.638	53.5	20.661	90.6	1489.3	24848.5	4.8
1860.0	1841.1	2.231	2.102	34.613	27.654	36.221	27.643	52.9	20.767	90.6	1489.4	25256.6	6.5
1880.0	1860.8	2.210	2.080	34.616	27.658	36.317	27.648	52.5	20.873	90.5	1489.7	25666.7	2.2
1900.0	1880.5	2.192	2.061	34.618	27.660	36.410	27.650	52.3	20.978	90.5	1489.9	26078.8	3.3
1920.0	1900.2	2.162	2.030	34.621	27.665	36.507	27.655	51.8	21.081	90.6	1490.2	26492.9	.7
1940.0	1919.8	2.148	2.014	34.623	27.669	36.601	27.658	51.5	21.185	90.6	1490.4	26909.1	2.2
1960.0	1939.5	2.131	1.996	34.624	27.670	36.694	27.660	51.4	21.288	90.6	1490.7	27327.2	2.2
1980.0	1959.2	2.115	1.978	34.626	27.674	36.789	27.663	51.0	21.390	90.6	1491.0	27747.3	1.9
2000.0	1978.9	2.093	1.955	34.628	27.677	36.883	27.667	50.7	21.492	90.5	1491.2	28169.4	2.8
2050.0	2028.1	2.060	1.918	34.633	27.684	37.116	27.673	50.2	21.744	90.6	1491.9	29233.2	.2
2100.0	2077.3	2.021	1.875	34.637	27.690	37.350	27.679	49.7	21.994	90.6	1492.6	30309.1	2.9
2150.0	2126.5	1.999	1.849	34.641	27.696	37.581	27.684	49.2	22.242	90.6	1493.3	31396.9	-1.4
2200.0	2175.7	1.971	1.818	34.644	27.700	37.812	27.688	48.9	22.487	90.6	1494.1	32496.6	2.4
2250.0	2224.8	1.940	1.783	34.646	27.705	38.042	27.693	48.6	22.731	90.5	1494.8	33608.1	1.6
2300.0	2274.0	1.905	1.744	34.648	27.710	38.273	27.697	48.1	22.972	90.5	1495.5	34731.2	1.6
2350.0	2323.1	1.868	1.704	34.652	27.715	38.505	27.703	47.6	23.212	90.4	1496.1	35865.9	.8
2400.0	2372.2	1.840	1.671	34.653	27.719	38.734	27.706	47.3	23.449	90.5	1496.9	37012.0	.5
2450.0	2421.4	1.818	1.646	34.655	27.722	38.963	27.710	47.1	23.685	90.5	1497.6	38169.5	.6
2500.0	2470.5	1.781	1.604	34.658	27.728	39.194	27.715	46.6	23.920	90.5	1498.3	39338.3	3.2
2550.0	2519.6	1.755	1.574	34.660	27.732	39.422	27.718	46.3	24.152	90.5	1499.0	40518.3	3.0
2600.0	2568.6	1.725	1.540	34.662	27.736	39.651	27.722	45.9	24.382	90.5	1499.7	41709.3	1.9
2650.0	2617.7	1.709	1.520	34.663	27.738	39.877	27.724	45.8	24.612	90.5	1500.5	42911.4	-.4
2700.0	2666.8	1.692	1.499	34.665	27.741	40.104	27.727	45.6	24.840	90.5	1501.3	44124.4	-.1
2750.0	2715.8	1.674	1.476	34.666	27.744	40.330	27.729	45.4	25.068	90.5	1502.1	45348.3	-.7
2800.0	2764.8	1.655	1.453	34.668	27.748	40.557	27.733	45.2	25.294	90.5	1502.8	46583.1	.6
2850.0	2813.9	1.630	1.424	34.670	27.751	40.784	27.736	44.9	25.520	90.5	1503.6	47828.6	2.4
2900.0	2862.9	1.612	1.402	34.671	27.753	41.009	27.738	44.7	25.744	90.5	1504.3	49084.9	1.5
2950.0	2911.9	1.603	1.388	34.672	27.755	41.233	27.739	44.7	25.967	90.5	1505.1	50351.9	1.3
3000.0	2960.9	1.585	1.366	34.674	27.758	41.459	27.742	44.4	26.189	90.5	1505.9	51629.4	.7
3050.0	3009.9	1.577	1.353	34.675	27.760	41.682	27.744	44.4	26.411	90.5	1506.7	52917.6	1.4
3100.0	3058.8	1.562	1.334	34.676	27.762	41.906	27.746	44.2	26.632	90.4	1507.5	54216.4	1.1
3118.0	3076.4	1.559	1.329	34.676	27.762	41.986	27.746	44.2	26.712	90.6	1507.8	54686.5	.0

Station 69 Latitude 31° 14.43'N Longitude 127° 01.10'W 30 Aug 1989 GMT 08:58 Bottom 4225 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m³	Sigma-z kg/m³	Sigma-t kg/m³	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
.0	.0	19.286	19.286	33.430	23.750	23.750	23.750	413.8	.000	90.1	1518.3	.0	.0
10.0	10.0	19.286	19.284	33.431	23.751	23.794	23.751	414.1	.414	90.0	1518.5	2.1	-1.4
20.0	20.0	19.285	19.281	33.430	23.751	23.838	23.750	414.5	.828	90.1	1518.6	8.3	1.6
30.0	29.9	19.233	19.228	33.427	23.763	23.893	23.761	413.8	1.243	90.0	1518.6	18.6	22.8
40.0	39.9	19.054	19.047	33.419	23.802	23.976	23.801	410.3	1.655	89.9	1518.3	33.0	28.2
50.0	49.9	18.808	18.799	33.400	23.850	24.067	23.848	406.1	2.063	90.0	1517.7	51.6	29.2
60.0	59.8	18.775	18.764	33.427	23.880	24.141	23.877	403.6	2.468	90.0	1517.8	74.2	84.0
70.0	69.8	17.921	17.909	33.420	24.086	24.391	24.083	384.3	2.863	90.1	1515.5	100.8	260.9
80.0	79.8	15.733	15.721	33.257	24.471	24.823	24.468	347.7	3.230	89.8	1508.9	131.1	258.5
90.0	89.7	14.014	14.001	33.213	24.806	25.206	24.804	315.7	3.562	89.8	1503.5	165.0	272.6
100.0	99.7	12.939	12.926	33.223	25.032	25.477	25.029	294.4	3.864	89.9	1500.1	202.0	128.0
110.0	109.6	12.584	12.569	33.333	25.186	25.677	25.183	279.9	4.150	90.3	1499.2	241.9	151.4
120.0	119.6	12.143	12.127	33.396	25.320	25.855	25.316	267.4	4.424	90.6	1497.9	284.6	109.5
130.0	129.5	11.769	11.753	33.395	25.389	25.971	25.386	260.9	4.688	90.7	1496.8	329.9	40.3
140.0	139.5	11.415	11.398	33.429	25.481	26.108	25.478	252.3	4.944	90.7	1495.7	377.8	72.8
150.0	149.4	10.804	10.786	33.459	25.614	26.288	25.611	239.8	5.190	90.8	1493.8	428.3	133.0
160.0	159.4	10.415	10.396	33.501	25.715	26.434	25.711	230.4	5.424	90.9	1492.6	481.1	51.2
170.0	169.3	10.033	10.014	33.592	25.851	26.617	25.847	217.5	5.649	90.9	1491.5	536.1	136.3
180.0	179.3	9.817	9.797	33.713	25.982	26.794	25.978	205.2	5.860	91.0	1491.0	593.4	102.1
190.0	189.2	9.571	9.550	33.735	26.039	26.897	26.036	199.9	6.061	90.9	1490.3	652.6	56.1
200.0	199.2	9.179	9.157	33.768	26.129	27.034	26.126	191.4	6.257	90.9	1489.0	713.9	136.2
210.0	209.1	9.008	8.986	33.837	26.210	27.160	26.206	183.9	6.444	91.0	1488.6	777.0	56.0
220.0	219.0	8.704	8.681	33.908	26.313	27.310	26.310	174.1	6.623	90.9	1487.8	841.9	29.3
230.0	229.0	8.627	8.603	33.913	26.330	27.372	26.326	172.8	6.797	90.9	1487.6	908.6	13.7
240.0	238.9	8.399	8.375	33.944	26.388	27.477	26.385	167.3	6.967	90.9	1487.0	977.0	60.8
250.0	248.9	8.247	8.221	33.966	26.429	27.564	26.426	163.5	7.132	90.8	1486.6	1047.1	40.9
260.0	258.8	8.103	8.076	33.982	26.464	27.645	26.460	160.4	7.294	90.8	1486.2	1118.7	69.6
270.0	268.7	7.892	7.865	33.995	26.505	27.733	26.501	156.5	7.452	90.8	1485.6	1192.0	17.4
280.0	278.7	7.682	7.655	34.002	26.541	27.815	26.537	153.2	7.607	90.7	1485.0	1266.8	15.3
290.0	288.6	7.640	7.611	34.004	26.549	27.869	26.545	152.6	7.759	90.7	1485.0	1343.1	8.3
300.0	298.5	7.378	7.350	33.993	26.577	27.945	26.573	149.8	7.911	90.8	1484.1	1420.9	32.6
310.0	308.5	7.236	7.206	33.991	26.595	28.009	26.591	148.2	8.059	90.7	1483.7	1500.2	10.3
320.0	318.4	7.149	7.119	33.995	26.611	28.071	26.607	146.9	8.207	90.6	1483.5	1581.0	28.4
330.0	328.3	6.968	6.937	34.001	26.640	28.147	26.636	144.1	8.353	90.5	1483.0	1663.2	23.1
340.0	338.2	6.890	6.858	34.002	26.652	28.205	26.648	143.1	8.496	90.5	1482.8	1746.9	19.3
350.0	348.2	6.730	6.698	33.999	26.671	28.271	26.667	141.3	8.638	90.6	1482.4	1831.9	16.1
360.0	358.1	6.613	6.581	34.000	26.688	28.334	26.683	139.8	8.778	90.4	1482.1	1918.4	5.2
370.0	368.0	6.538	6.505	34.006	26.702	28.395	26.698	138.5	8.918	90.4	1481.9	2006.2	13.4
380.0	378.0	6.387	6.353	34.008	26.724	28.463	26.719	136.5	9.056	90.4	1481.5	2095.4	11.0
390.0	387.9	6.283	6.249	34.013	26.741	28.527	26.736	134.9	9.191	90.4	1481.3	2186.0	11.6
400.0	397.8	6.160	6.125	34.020	26.763	28.595	26.758	132.9	9.325	90.4	1480.9	2277.9	30.3
410.0	407.7	6.053	6.017	34.026	26.781	28.660	26.777	131.2	9.457	90.5	1480.7	2371.1	31.2
420.0	417.7	6.008	5.972	34.026	26.787	28.712	26.782	130.8	9.588	90.4	1480.7	2465.6	11.0
430.0	427.6	5.920	5.883	34.034	26.804	28.776	26.800	129.1	9.718	90.5	1480.5	2561.4	8.6
440.0	437.5	5.902	5.864	34.050	26.819	28.837	26.814	127.9	9.847	90.5	1480.6	2658.5	21.2
450.0	447.4	5.816	5.778	34.058	26.836	28.900	26.831	126.3	9.973	90.5	1480.4	2756.8	15.4
460.0	457.4	5.686	5.648	34.063	26.856	28.968	26.852	124.4	10.099	90.5	1480.1	2856.4	9.8
470.0	467.3	5.587	5.548	34.071	26.874	29.033	26.870	122.7	10.222	90.5	1479.8	2957.2	18.3
480.0	477.2	5.495	5.455	34.072	26.887	29.092	26.882	121.6	10.344	90.5	1479.6	3059.2	11.8
490.0	487.1	5.432	5.392	34.081	26.901	29.153	26.896	120.3	10.465	90.6	1479.6	3162.4	13.6
500.0	497.0	5.392	5.351	34.089	26.912	29.210	26.907	119.3	10.585	90.6	1479.6	3266.9	7.7
510.0	507.0	5.307	5.266	34.095	26.927	29.271	26.922	117.9	10.704	90.6	1479.4	3372.4	27.3
520.0	516.9	5.217	5.175	34.109	26.949	29.340	26.944	115.9	10.820	90.6	1479.2	3479.2	20.0
530.0	526.8	5.180	5.138	34.125	26.966	29.403	26.961	114.4	10.936	90.7	1479.2	3587.1	15.6
540.0	536.7	5.175	5.131	34.138	26.977	29.460	26.972	113.4	11.049	90.6	1479.4	3696.1	14.7
550.0	546.6	5.146	5.102	34.158	26.997	29.526	26.992	111.7	11.162	90.6	1479.5	3806.2	17.1
560.0	556.5	5.042	4.997	34.155	27.006	29.582	27.000	110.8	11.273	90.7	1479.2	3917.4	20.6
570.0	566.5	5.060	5.015	34.175	27.020	29.642	27.014	109.6	11.383	90.6	1479.5	4029.8	19.4
580.0	576.4	4.991	4.945	34.182	27.033	29.702	27.028	108.3	11.492	90.7	1479.4	4143.2	14.7
590.0	586.3	4.931	4.884	34.182	27.040	29.756	27.035	107.7	11.600	90.6	1479.3	4257.6	2.7
600.0	596.2	4.933	4.885	34.199	27.053	29.814	27.048	106.6	11.707	90.6	1479.5	4373.2	10.3
610.0	606.1	4.842	4.794	34.208	27.071	29.878	27.065	104.9	11.813	90.7	1479.3	4489.7	3.9
620.0	616.0	4.821	4.772	34.223	27.085	29.939	27.079	103.7	11.918	90.6	1479.4	4607.4	23.8
630.0	625.9	4.798	4.749	34.225	27.089	29.989	27.083	103.4	12.021	90.7	1479.4	4726.0	5.1
640.0	635.8	4.768	4.718	34.229	27.096	30.042	27.090	102.8	12.124	90.7	1479.5	4845.6	9.5
650.0	645.8	4.754	4.703	34.239	27.105	30.097	27.100	102.0	12.226	90.6	1479.6	4966.3	8.6
660.0	655.7	4.730	4.678	34.251	27.118	30.156	27.112	100.9	12.328	90.7	1479.7	5088.0	5.4
670.0	665.6	4.725	4.672	34.261	27.127	30.210	27.121	100.2	12.428	90.7	1479.8	5210.6	9.5
680.0	675.5	4.698	4.644	34.273	27.139	30.269	27.133	99.0	12.528	90.6	1479.9	5334.3	8.9
690.0	685.4	4.702	4.647	34.285	27.148	30.324	27.142	98.3	12.627	90.6	1480.1	5458.9	8.9
700.0	695.3	4.727	4.672	34.308	27.164	30.384	27.158	97.0	12.724	90.7	1480.4	5584.5	9.8
710.0	705.2	4.667	4.612	34.317	27.177	30.444	27.171	95.8	12.821	90.6	1480.3	5711.0	-.2
720.0	715.1	4.647	4.590	34.324	27.186	30.499	27.180	95.0	12.916	90.6	1480.4	5838.5	25.0
730.0	725.0	4.585	4.528	34.339	27.205	30.565	27.198	93.3	13.010	90.6	1480.3	5966.9	8.9
740.0	734.9	4.569	4.512	34.342	27.209	30.614	27.202	93.0	13.104	90.6	1480.5	6096.3	4.2
750.0	744.8	4.563	4.505	34.345	27.212	30.663	27.205	92.8	13.196	90.6	1480.6	6226.5	6.3
760.0	754.7	4.525	4.466	34.350	27.220	30.718	27.213	92.0	13.289	90.6	1480.6	6357.7	12.7
770.0	764.6	4.479	4.420	34.357	27.231	30.775	27.224	91.1	13.380	90.6	1480.6	6489.7	11.0
780.0	774.5	4.460	4.400	34.370	27.243	30.833	27.236	90.0	13.471	90.7	1480.7	6622.7	9.8
790.0	784.4	4.445	4.384	34.377	27.250	30.887	27.244	89.4	13.561	90.6	1480.8	6756.5	7.5
800.0	794.3	4.402	4.340	34.383	27.260	30.942	27.253	88.5	13.649	90.6	1480.8	6891.3	7.5
810.0	804.2	4.377	4.314	34.388	27.267	30.996	27.260	87.9	13.738	90.6	1480.9	7026.9	12.5
820.0	814.1	4.345	4.281	34.398	27.278	31.053	27.271	86.9	13.825	90.6	1480.9	7163.3	7.5
830.0	824.0	4.299	4.236	34.403	27.286	31.108	27.280	86.1	13.912	90.6	1480.9	7300.6	8.4
840.0	833.9	4.276	4.212	34.410	27.295	31.163	27.288	85.4	13.998	90.6	1481.0	7438.8	22.1
850.0	843.8	4.256	4.191	34.415	27.301	31.215	27.294	84.9	14.083	90.6	1481.1	7577.8	1.4
860.0	853.7	4.248	4.182	34.418	27.304	31.264	27.297	84.6	14.167	90.6	1481.2	7717.6	9.0
870.0	863.6	4.213	4.146	34.423	27.312	31.317	27.305	84.0	14.252	90.6	1481.2	7858.2	3.4
880.0	873.5	4.196	4.129	34.427	27.317	31.369	27.310	83.6	14.336	90.6	1481.3	7999.7	9.9
890.0	883.4	4.163	4.095	34.432	27.325	31.423	27.318	82.8	14.419	90.6	1481.3	8142.0	9.3
900.0	893.3	4.119	4.051	34.435	27.332	31.477	27.325	82.2	14.501	90.6	1481.3	8285.1	7.8
910.0	903.2	4.080	4.011	34.439	27.339	31.530	27.331	81.6	14.583	90.6	1481.3	8429.0	9.0
920.0	913.1	4.036	3.967	34.444	27.347	31.585	27.340	80.7	14.664	90.6	1481.3	8573.7	9.0
930.0	923.0	4.013	3.943	34.451	27.355	31.639	27.348	80.1	14.745	90.6	1481.4	8719.3	4.9
940.0	932.9	3.986	3.916	34.453	27.359	31.690	27.352	79.7	14.825	90.6	1481.5	8865.5	4.9
950.0	942.8	3.953	3.882	34.455	27.365	31.741	27.357	79.2	14.904	90.6	1481.5	9012.6	4.0
960.0	952.7	3.933	3.861	34.458	27.369	31.792	27.362	78.8	14.983	90.5	1481.6	9160.5	7.8
970.0	962.6	3.888	3.816	34.461	27.377	31.846	27.369	78.1	15.062	90.6	1481.6	9309.1	4.3
980.0	972.5	3.857	3.784	34.465	27.382	31.898	27.375	77.6	15.139	90.6	1481.6	9458.5	2.8
990.0	982.4	3.826	3.752	34.465	27.386	31.948	27.379	77.3	15.217	90.6	1481.6	9608.6	5.2

Station 69 Latitude 31° 14.43'N Longitude 127° 01.10'W 30 Aug 1989 GMT 08:58 Bottom 4225 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.3	3.796	3.722	34.469	27.392	32.001	27.385	76.7	15.294	90.6	1481.7	9759.5	5.8
1020.0	1012.0	3.761	3.686	34.476	27.402	32.102	27.394	75.9	15.446	90.6	1481.9	10063.6	5.5
1040.0	1031.8	3.709	3.632	34.483	27.413	32.205	27.405	75.0	15.597	90.6	1482.0	10370.6	4.0
1060.0	1051.6	3.677	3.598	34.486	27.418	32.303	27.410	74.5	15.746	90.6	1482.2	10680.5	13.1
1080.0	1071.4	3.619	3.540	34.495	27.431	32.408	27.423	73.4	15.894	90.6	1482.3	10993.4	.5
1100.0	1091.2	3.564	3.483	34.497	27.438	32.508	27.430	72.7	16.040	90.6	1482.4	11309.1	4.1
1120.0	1110.9	3.522	3.440	34.503	27.447	32.610	27.439	71.9	16.185	90.6	1482.5	11627.7	2.0
1140.0	1130.7	3.509	3.425	34.507	27.451	32.705	27.443	71.6	16.328	90.6	1482.8	11949.0	.3
1160.0	1150.5	3.451	3.366	34.514	27.462	32.809	27.454	70.6	16.471	90.5	1482.9	12273.2	5.0
1180.0	1170.2	3.414	3.329	34.518	27.470	32.909	27.462	70.0	16.611	90.6	1483.1	12600.2	2.1
1200.0	1190.0	3.395	3.307	34.519	27.473	33.003	27.465	69.8	16.751	90.6	1483.3	12929.8	.0
1220.0	1209.8	3.331	3.242	34.525	27.483	33.107	27.475	68.8	16.890	90.6	1483.4	13262.3	1.2
1240.0	1229.5	3.285	3.195	34.528	27.490	33.206	27.482	68.1	17.027	90.6	1483.5	13597.3	5.9
1260.0	1249.3	3.239	3.148	34.534	27.499	33.307	27.490	67.3	17.162	90.6	1483.7	13935.1	3.6
1280.0	1269.0	3.194	3.102	34.536	27.506	33.406	27.497	66.7	17.296	90.6	1483.8	14275.5	3.3
1300.0	1288.8	3.159	3.066	34.540	27.512	33.504	27.503	66.2	17.429	90.5	1484.0	14618.4	2.1
1320.0	1308.5	3.110	3.016	34.544	27.519	33.604	27.510	65.5	17.561	90.7	1484.1	14964.0	3.6
1340.0	1328.3	3.057	2.962	34.548	27.528	33.706	27.519	64.7	17.691	90.6	1484.3	15312.1	6.2
1360.0	1348.0	3.026	2.930	34.551	27.534	33.804	27.525	64.2	17.820	90.6	1484.5	15662.7	.4
1380.0	1367.8	2.997	2.899	34.553	27.538	33.899	27.529	63.8	17.948	90.6	1484.7	16015.9	4.2
1400.0	1387.5	2.952	2.853	34.557	27.545	33.999	27.536	63.1	18.075	90.6	1484.8	16371.5	4.2
1420.0	1407.3	2.917	2.816	34.561	27.551	34.098	27.542	62.5	18.201	90.6	1485.0	16729.5	4.2
1440.0	1427.0	2.871	2.769	34.563	27.557	34.196	27.548	62.0	18.325	90.6	1485.1	17090.1	4.2
1460.0	1446.7	2.834	2.731	34.566	27.563	34.294	27.554	61.4	18.448	90.6	1485.3	17453.0	3.1
1480.0	1466.5	2.795	2.691	34.570	27.570	34.393	27.561	60.8	18.571	90.6	1485.5	17818.3	4.0
1500.0	1486.2	2.764	2.659	34.572	27.574	34.489	27.565	60.4	18.692	90.6	1485.7	18185.9	2.2
1520.0	1505.9	2.731	2.625	34.576	27.580	34.587	27.570	59.9	18.812	90.5	1485.9	18556.0	-.7
1540.0	1525.7	2.699	2.591	34.578	27.585	34.684	27.576	59.4	18.932	90.6	1486.1	18928.3	.2
1560.0	1545.4	2.677	2.567	34.580	27.589	34.779	27.579	59.1	19.050	90.6	1486.3	19302.9	.2
1580.0	1565.1	2.645	2.534	34.584	27.594	34.877	27.585	58.6	19.168	90.6	1486.5	19679.9	1.7
1600.0	1584.8	2.614	2.502	34.586	27.598	34.973	27.589	58.2	19.285	90.6	1486.7	20059.1	1.7
1620.0	1604.6	2.573	2.460	34.589	27.604	35.071	27.595	57.6	19.401	90.6	1486.9	20440.6	2.3
1640.0	1624.3	2.550	2.435	34.591	27.608	35.167	27.598	57.3	19.516	90.6	1487.1	20824.3	3.2
1660.0	1644.0	2.517	2.402	34.594	27.614	35.264	27.604	56.8	19.630	90.6	1487.3	21210.3	.5
1680.0	1663.7	2.492	2.375	34.596	27.618	35.360	27.608	56.4	19.743	90.5	1487.5	21598.4	1.7
1700.0	1683.4	2.487	2.368	34.597	27.619	35.451	27.608	56.4	19.856	90.5	1487.9	21988.8	1.8
1720.0	1703.2	2.462	2.342	34.601	27.624	35.548	27.614	55.9	19.968	90.6	1488.1	22381.3	7.3
1740.0	1722.9	2.415	2.294	34.604	27.631	35.647	27.621	55.2	20.079	90.6	1488.2	22776.0	5.6
1760.0	1742.6	2.382	2.260	34.607	27.636	35.744	27.626	54.7	20.189	90.6	1488.4	23172.8	1.5
1780.0	1762.3	2.363	2.240	34.608	27.639	35.838	27.628	54.5	20.298	90.5	1488.7	23571.7	-.3
1800.0	1782.0	2.331	2.207	34.612	27.644	35.936	27.634	53.9	20.406	90.5	1488.9	23972.8	4.2
1820.0	1801.7	2.320	2.194	34.613	27.646	36.028	27.635	53.8	20.514	90.5	1489.2	24375.9	1.2
1840.0	1821.4	2.297	2.169	34.615	27.650	36.124	27.639	53.5	20.622	90.5	1489.4	24781.1	6.5
1860.0	1841.1	2.269	2.140	34.617	27.654	36.219	27.643	53.1	20.728	90.5	1489.6	25188.4	1.9
1880.0	1860.8	2.252	2.122	34.618	27.656	36.313	27.645	52.9	20.834	90.6	1489.9	25597.7	1.9
1900.0	1880.5	2.226	2.094	34.622	27.661	36.409	27.650	52.4	20.939	90.5	1490.1	26009.1	2.5
1920.0	1900.2	2.200	2.066	34.623	27.665	36.504	27.654	52.0	21.043	90.5	1490.3	26422.5	.4
1940.0	1919.9	2.178	2.044	34.625	27.668	36.599	27.657	51.7	21.147	90.5	1490.6	26837.9	1.0
1960.0	1939.6	2.158	2.023	34.626	27.670	36.693	27.660	51.5	21.250	90.5	1490.8	27255.3	.8
1980.0	1959.3	2.141	2.004	34.629	27.674	36.787	27.663	51.2	21.353	90.6	1491.1	27674.7	.5
2000.0	1978.9	2.130	1.992	34.630	27.676	36.879	27.665	51.1	21.455	90.6	1491.4	28096.0	.5
2050.0	2028.1	2.093	1.951	34.633	27.682	37.112	27.671	50.6	21.710	90.6	1492.1	29158.1	-.6
2100.0	2077.3	2.048	1.902	34.637	27.688	37.346	27.677	50.0	21.961	90.6	1492.7	30232.3	.3
2150.0	2126.5	2.022	1.872	34.640	27.693	37.577	27.681	49.6	22.210	90.6	1493.4	31318.5	2.4
2200.0	2175.7	1.974	1.821	34.644	27.700	37.811	27.688	49.0	22.456	90.5	1494.1	32416.7	1.8
2250.0	2224.9	1.942	1.785	34.645	27.704	38.042	27.692	48.6	22.701	90.5	1494.8	33526.7	.7
2300.0	2274.0	1.917	1.756	34.647	27.708	38.271	27.696	48.4	22.943	90.6	1495.5	34648.4	-1.0
2350.0	2323.1	1.885	1.720	34.650	27.713	38.502	27.700	47.9	23.184	90.6	1496.2	35781.7	4.3
2400.0	2372.3	1.850	1.681	34.653	27.718	38.732	27.705	47.5	23.423	90.6	1496.9	36926.6	.8
2450.0	2421.4	1.832	1.658	34.654	27.720	38.960	27.708	47.3	23.660	90.5	1497.7	38082.8	.3
2500.0	2470.5	1.806	1.629	34.656	27.724	39.188	27.711	47.1	23.896	90.5	1498.4	39250.4	.3
2550.0	2519.6	1.786	1.605	34.658	27.728	39.416	27.714	46.8	24.131	90.5	1499.2	40429.3	.6
2600.0	2568.7	1.758	1.573	34.660	27.732	39.645	27.718	46.5	24.365	90.5	1499.9	41619.4	1.0
2650.0	2617.7	1.730	1.540	34.661	27.736	39.873	27.722	46.2	24.596	90.5	1500.6	42820.7	.4
2700.0	2666.8	1.694	1.501	34.664	27.741	40.103	27.726	45.7	24.826	90.5	1501.3	44033.0	.8
2750.0	2715.8	1.672	1.475	34.667	27.744	40.331	27.730	45.4	25.053	90.4	1502.1	45256.2	.8
2800.0	2764.9	1.645	1.443	34.668	27.748	40.558	27.733	45.0	25.280	90.5	1502.8	46490.3	3.2
2850.0	2813.9	1.628	1.422	34.669	27.751	40.784	27.736	44.9	25.504	90.5	1503.6	47735.1	-.3
2900.0	2862.9	1.615	1.405	34.671	27.753	41.009	27.738	44.7	25.728	90.5	1504.4	48990.7	2.1
2950.0	2911.9	1.601	1.386	34.672	27.756	41.234	27.740	44.6	25.952	90.5	1505.1	50256.9	-.5
3000.0	2960.9	1.595	1.376	34.673	27.757	41.457	27.741	44.6	26.175	90.5	1506.0	51533.8	1.0
3050.0	3009.9	1.591	1.367	34.673	27.758	41.679	27.742	44.7	26.398	90.4	1506.8	52821.3	1.1
3100.0	3058.9	1.589	1.360	34.674	27.759	41.901	27.742	44.7	26.621	90.5	1507.6	54119.4	-1.5
3112.0	3070.6	1.587	1.357	34.675	27.760	41.954	27.743	44.7	26.675	90.4	1507.8	54432.6	.0

Station 70 Latitude 31° 27.41'N Longitude 126° 53.05'W 30 Aug 1989 GMT 12:12 Bottom 4100 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.235	19.235	33.426	23.761	23.761	23.761	412.9	.000	90.0	1518.2	.0	.0
10.0	10.0	19.236	19.235	33.426	23.760	23.803	23.760	413.3	.413	89.9	1518.3	2.1	.4
20.0	20.0	19.239	19.235	33.426	23.760	23.847	23.759	413.7	.826	89.9	1518.5	8.2	-.5
30.0	29.9	19.240	19.235	33.426	23.760	23.890	23.759	414.0	1.240	90.0	1518.7	18.5	.1
40.0	39.9	19.131	19.124	33.437	23.797	23.971	23.795	410.8	1.654	89.9	1518.5	33.0	131.1
50.0	49.9	18.725	18.716	33.412	23.880	24.098	23.878	403.2	2.060	90.0	1517.5	51.5	28.9
60.0	59.8	18.531	18.520	33.394	23.915	24.177	23.913	400.2	2.461	90.0	1517.1	74.0	53.5
70.0	69.8	17.011	16.999	33.344	24.245	24.551	24.242	369.0	2.853	89.8	1512.7	100.5	745.3
80.0	79.8	14.626	14.615	33.231	24.692	25.046	24.690	326.4	3.200	89.8	1505.3	130.7	585.6
90.0	89.7	13.589	13.576	33.212	24.893	25.293	24.891	307.4	3.513	89.7	1502.1	164.2	141.3
100.0	99.7	12.564	12.551	33.242	25.119	25.566	25.117	285.9	3.810	89.4	1498.8	200.6	184.2
110.0	109.6	12.090	12.076	33.262	25.226	25.717	25.223	276.0	4.091	90.0	1497.4	240.0	85.7
120.0	119.6	11.614	11.599	33.276	25.326	25.863	25.323	266.6	4.362	90.3	1495.9	282.1	40.3
130.0	129.5	11.344	11.328	33.358	25.438	26.021	25.435	256.1	4.624	90.5	1495.2	326.8	92.9
140.0	139.5	11.054	11.037	33.395	25.520	26.148	25.517	248.6	4.876	90.7	1494.4	374.0	50.4
150.0	149.4	10.766	10.748	33.433	25.601	26.275	25.597	241.0	5.119	90.8	1493.6	423.8	14.7
160.0	159.4	10.312	10.293	33.496	25.729	26.449	25.726	229.0	5.356	90.8	1492.2	475.9	203.7
170.0	169.3	9.984	9.964	33.557	25.831	26.598	25.828	219.3	5.581	90.7	1491.2	530.3	88.6
180.0	179.3	9.599	9.579	33.642	25.962	26.774	25.958	207.1	5.795	90.8	1490.1	586.8	174.9
190.0	189.2	9.210	9.189	33.743	26.104	26.963	26.101	193.6	5.996	90.8	1489.0	645.5	162.8
200.0	199.1	9.087	9.066	33.770	26.145	27.050	26.142	189.9	6.187	90.8	1488.7	706.0	113.1
210.0	209.1	8.777	8.755	33.855	26.260	27.212	26.257	179.0	6.370	90.8	1487.8	768.4	71.1
220.0	219.0	8.592	8.569	33.905	26.328	27.326	26.325	172.7	6.546	90.8	1487.3	832.6	65.8
230.0	229.0	8.457	8.434	33.931	26.370	27.413	26.366	168.9	6.717	90.8	1487.0	898.5	38.9
240.0	238.9	8.306	8.281	33.960	26.415	27.505	26.412	164.7	6.885	90.7	1486.6	966.1	89.8
250.0	248.8	8.183	8.158	33.976	26.447	27.582	26.443	161.8	7.048	90.7	1486.4	1035.3	33.3
260.0	258.8	8.051	8.025	33.990	26.477	27.659	26.474	159.0	7.208	90.7	1486.0	1106.1	16.6
270.0	268.7	7.814	7.788	34.001	26.521	27.749	26.517	155.0	7.364	90.7	1485.3	1178.5	8.9
280.0	278.6	7.639	7.612	34.004	26.548	27.823	26.544	152.5	7.518	90.7	1484.8	1252.4	49.6
290.0	288.6	7.527	7.499	34.004	26.564	27.885	26.560	151.0	7.670	90.7	1484.5	1327.9	20.3
300.0	298.5	7.327	7.298	34.008	26.596	27.964	26.592	148.0	7.819	90.7	1483.9	1404.8	13.5
310.0	308.4	7.246	7.216	34.014	26.612	28.026	26.608	146.6	7.966	90.7	1483.8	1483.2	23.8
320.0	318.4	7.044	7.014	34.009	26.637	28.097	26.633	144.3	8.112	90.8	1483.1	1563.0	22.6
330.0	328.3	6.916	6.886	34.001	26.648	28.155	26.644	143.3	8.255	90.7	1482.8	1644.3	30.4
340.0	338.2	6.761	6.730	34.007	26.674	28.228	26.670	140.9	8.397	90.8	1482.3	1726.9	25.1
350.0	348.2	6.621	6.589	34.012	26.696	28.296	26.691	138.9	8.537	90.7	1482.0	1811.0	16.9
360.0	358.1	6.543	6.510	34.015	26.709	28.355	26.704	137.8	8.675	90.7	1481.8	1896.5	23.1
370.0	368.0	6.456	6.423	34.028	26.731	28.424	26.726	135.8	8.812	90.7	1481.6	1983.3	16.0
380.0	377.9	6.305	6.271	34.025	26.748	28.487	26.743	134.2	8.947	90.7	1481.2	2071.4	21.3
390.0	387.9	6.265	6.231	34.030	26.757	28.543	26.752	133.4	9.080	90.6	1481.2	2160.9	8.1
400.0	397.8	6.053	6.018	34.028	26.783	28.616	26.778	130.9	9.213	90.6	1480.5	2251.6	26.5
410.0	407.7	5.942	5.907	34.033	26.800	28.681	26.796	129.3	9.343	90.7	1480.3	2343.7	27.4
420.0	417.6	5.788	5.753	34.039	26.824	28.752	26.820	127.0	9.471	90.6	1479.8	2437.1	45.2
430.0	427.6	5.693	5.657	34.044	26.840	28.815	26.836	125.5	9.597	90.7	1479.6	2531.7	4.2
440.0	437.5	5.568	5.532	34.051	26.861	28.882	26.856	123.6	9.722	90.6	1479.3	2627.5	27.6
450.0	447.4	5.482	5.445	34.057	26.876	28.944	26.871	122.2	9.845	90.6	1479.1	2724.6	25.2
460.0	457.3	5.477	5.439	34.074	26.889	29.003	26.885	121.0	9.966	90.6	1479.2	2822.9	6.2
470.0	467.3	5.352	5.313	34.077	26.907	29.068	26.903	119.3	10.086	90.6	1478.9	2922.4	19.1
480.0	477.2	5.266	5.227	34.072	26.913	29.121	26.908	118.8	10.205	90.6	1478.7	3023.0	29.3
490.0	487.1	5.130	5.091	34.076	26.932	29.187	26.928	117.0	10.323	90.6	1478.3	3124.8	30.2
500.0	497.0	5.070	5.031	34.085	26.947	29.248	26.942	115.7	10.439	90.7	1478.2	3227.8	14.9
510.0	506.9	4.989	4.949	34.097	26.965	29.313	26.960	114.0	10.554	90.6	1478.1	3331.9	20.2
520.0	516.8	4.924	4.883	34.113	26.985	29.380	26.980	112.1	10.667	90.6	1478.0	3437.1	29.6
530.0	526.8	4.852	4.811	34.124	27.003	29.444	26.998	110.5	10.778	90.7	1477.9	3543.5	6.1
540.0	536.7	4.811	4.769	34.136	27.016	29.504	27.011	109.2	10.889	90.6	1477.9	3650.9	15.5
550.0	546.6	4.798	4.755	34.138	27.019	29.554	27.015	109.0	10.998	90.6	1478.0	3759.4	10.5
560.0	556.5	4.734	4.690	34.150	27.037	29.618	27.032	107.4	11.106	90.6	1477.9	3869.0	14.6
570.0	566.4	4.703	4.659	34.160	27.048	29.675	27.043	106.5	11.213	90.6	1478.0	3979.6	8.2
580.0	576.3	4.674	4.630	34.167	27.056	29.729	27.051	105.7	11.319	90.6	1478.0	4091.3	20.8
590.0	586.3	4.626	4.580	34.177	27.070	29.789	27.065	104.5	11.424	90.7	1478.0	4204.1	10.0
600.0	596.2	4.599	4.552	34.184	27.079	29.845	27.074	103.7	11.528	90.7	1478.1	4317.8	10.5
610.0	606.1	4.564	4.517	34.196	27.092	29.904	27.087	102.6	11.631	90.6	1478.1	4432.6	11.7
620.0	616.0	4.546	4.499	34.206	27.102	29.960	27.097	101.7	11.733	90.6	1478.2	4548.4	7.6
630.0	625.9	4.532	4.484	34.218	27.113	30.017	27.108	100.7	11.834	90.7	1478.3	4665.2	8.8
640.0	635.8	4.503	4.454	34.225	27.122	30.073	27.117	99.9	11.935	90.6	1478.4	4783.0	7.3
650.0	645.7	4.465	4.416	34.234	27.133	30.129	27.127	99.0	12.034	90.6	1478.4	4901.8	7.3
660.0	655.6	4.447	4.397	34.247	27.145	30.188	27.140	97.9	12.132	90.7	1478.5	5021.5	10.9
670.0	665.5	4.422	4.371	34.260	27.159	30.248	27.153	96.6	12.230	90.6	1478.6	5142.2	12.0
680.0	675.5	4.400	4.348	34.264	27.165	30.299	27.159	96.2	12.326	90.6	1478.7	5263.9	2.4
690.0	685.3	4.383	4.330	34.275	27.175	30.356	27.170	95.3	12.422	90.6	1478.8	5386.5	4.7
700.0	695.3	4.354	4.301	34.277	27.180	30.407	27.174	94.9	12.517	90.6	1478.8	5510.0	8.8
710.0	705.2	4.329	4.275	34.287	27.190	30.464	27.185	93.9	12.611	90.6	1478.9	5634.5	15.6
720.0	715.1	4.291	4.237	34.300	27.205	30.525	27.199	92.6	12.705	90.6	1478.9	5759.9	12.6
730.0	725.0	4.274	4.219	34.307	27.212	30.578	27.206	92.0	12.797	90.6	1479.0	5886.2	10.9
740.0	734.9	4.252	4.196	34.316	27.222	30.633	27.216	91.2	12.888	90.5	1479.1	6013.4	15.6
750.0	744.8	4.219	4.162	34.327	27.233	30.692	27.228	90.1	12.979	90.6	1479.1	6141.5	15.6
760.0	754.7	4.200	4.142	34.330	27.239	30.743	27.233	89.7	13.069	90.6	1479.2	6270.5	11.8
770.0	764.6	4.152	4.094	34.343	27.253	30.805	27.248	88.3	13.158	90.5	1479.2	6400.3	17.9
780.0	774.5	4.115	4.056	34.354	27.267	30.864	27.261	87.1	13.245	90.6	1479.2	6531.1	4.2
790.0	784.4	4.090	4.031	34.360	27.274	30.917	27.268	86.5	13.332	90.6	1479.3	6662.7	15.9
800.0	794.3	4.037	3.978	34.372	27.289	30.979	27.283	85.0	13.418	90.6	1479.3	6795.1	3.6
810.0	804.2	4.022	3.962	34.379	27.296	31.032	27.290	84.4	13.503	90.6	1479.4	6928.4	13.0
820.0	814.1	3.995	3.934	34.384	27.303	31.086	27.297	83.8	13.587	90.6	1479.4	7062.5	5.4
830.0	824.0	3.990	3.928	34.392	27.310	31.138	27.304	83.3	13.670	90.7	1479.6	7197.4	7.7
840.0	833.9	3.985	3.922	34.399	27.316	31.190	27.310	82.8	13.753	90.6	1479.7	7333.1	9.5
850.0	843.8	3.959	3.896	34.406	27.324	31.245	27.318	82.0	13.836	90.6	1479.8	7469.7	8.9
860.0	853.7	3.947	3.883	34.411	27.330	31.296	27.323	81.6	13.918	90.6	1479.9	7607.0	3.9
870.0	863.6	3.923	3.859	34.415	27.336	31.348	27.329	81.1	13.999	90.5	1480.0	7745.2	6.6
880.0	873.5	3.905	3.840	34.421	27.342	31.401	27.335	80.5	14.080	90.5	1480.1	7884.2	6.9
890.0	883.4	3.880	3.814	34.428	27.350	31.455	27.344	79.8	14.160	90.5	1480.2	8023.9	6.9
900.0	893.3	3.872	3.805	34.432	27.354	31.504	27.347	79.6	14.240	90.6	1480.3	8164.4	13.3
910.0	903.2	3.875	3.807	34.440	27.361	31.556	27.354	79.0	14.319	90.5	1480.5	8305.7	5.1
920.0	913.1	3.861	3.793	34.448	27.368	31.610	27.361	78.4	14.398	90.6	1480.6	8447.8	8.6
930.0	923.0	3.824	3.755	34.452	27.375	31.664	27.368	77.7	14.476	90.6	1480.6	8590.7	1.6
940.0	932.9	3.802	3.732	34.454	27.379	31.714	27.372	77.4	14.553	90.6	1480.7	8734.3	4.0
950.0	942.8	3.785	3.715	34.457	27.383	31.764	27.376	77.1	14.630	90.6	1480.8	8878.6	7.8
960.0	952.7	3.752	3.681	34.461	27.390	31.817	27.383	76.4	14.707	90.5	1480.8	9023.8	10.4
970.0	962.5	3.721	3.650	34.465	27.396	31.869	27.389	75.9	14.783	90.5	1480.9	9169.6	7.2
980.0	972.4	3.720	3.648	34.474	27.403	31.923	27.396	75.3	14.859	90.6	1481.0	9316.2	6.9
990.0	982.3	3.682	3.610	34.474	27.407	31.973	27.400	74.9	14.934	90.6	1481.0	9463.6	1.9

Station 70 Latitude 31° 27.41'N Longitude 126° 53.05'W 30 Aug 1989 GMT 12:12 Bottom 4100 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.668	3.595	34.480	27.413	32.025	27.406	74.4	15.009	90.6	1481.1	9611.7	7.5
1020.0	1012.0	3.622	3.547	34.488	27.425	32.129	27.418	73.4	15.157	90.5	1481.3	9910.0	3.7
1040.0	1031.8	3.566	3.491	34.493	27.434	32.231	27.427	72.5	15.303	90.5	1481.4	10211.3	2.3
1060.0	1051.6	3.527	3.450	34.497	27.441	32.331	27.434	71.9	15.447	90.5	1481.6	10515.3	4.6
1080.0	1071.3	3.486	3.408	34.501	27.449	32.430	27.441	71.3	15.590	90.6	1481.7	10822.2	6.7
1100.0	1091.1	3.442	3.362	34.506	27.456	32.530	27.449	70.6	15.732	90.5	1481.9	11131.9	8.4
1120.0	1110.9	3.414	3.333	34.508	27.461	32.627	27.454	70.3	15.873	90.5	1482.1	11444.3	1.4
1140.0	1130.7	3.364	3.282	34.514	27.471	32.729	27.463	69.4	16.013	90.6	1482.2	11759.5	-.9
1160.0	1150.4	3.335	3.252	34.517	27.476	32.826	27.468	69.0	16.151	90.6	1482.4	12077.4	2.0
1180.0	1170.2	3.302	3.217	34.521	27.483	32.925	27.475	68.4	16.288	90.6	1482.6	12398.0	4.4
1200.0	1189.9	3.274	3.188	34.524	27.488	33.022	27.480	68.0	16.425	90.5	1482.8	12721.2	6.7
1220.0	1209.7	3.218	3.131	34.529	27.497	33.125	27.489	67.1	16.560	90.5	1482.9	13047.1	2.9
1240.0	1229.5	3.182	3.093	34.533	27.504	33.223	27.496	66.5	16.694	90.5	1483.1	13375.6	-.6
1260.0	1249.2	3.147	3.057	34.536	27.509	33.321	27.501	66.1	16.826	90.5	1483.3	13706.8	.6
1280.0	1269.0	3.108	3.016	34.539	27.516	33.419	27.507	65.5	16.958	90.5	1483.5	14040.5	1.5
1300.0	1288.7	3.083	2.990	34.542	27.520	33.515	27.512	65.2	17.088	90.6	1483.7	14376.7	3.0
1320.0	1308.5	3.053	2.959	34.545	27.525	33.612	27.517	64.7	17.218	90.6	1483.9	14715.5	.9
1340.0	1328.2	3.027	2.931	34.550	27.532	33.711	27.524	64.1	17.347	90.6	1484.1	15056.8	9.1
1360.0	1348.0	2.999	2.902	34.556	27.539	33.810	27.531	63.5	17.475	90.5	1484.3	15400.7	.1
1380.0	1367.7	2.966	2.868	34.558	27.544	33.907	27.535	63.1	17.602	90.5	1484.5	15747.0	.7
1400.0	1387.5	2.945	2.846	34.562	27.549	34.004	27.540	62.7	17.728	90.5	1484.8	16095.7	2.5
1420.0	1407.2	2.911	2.810	34.565	27.555	34.101	27.546	62.2	17.853	90.6	1485.0	16446.9	3.3
1440.0	1426.9	2.887	2.785	34.568	27.560	34.198	27.551	61.8	17.977	90.5	1485.2	16800.6	1.6
1460.0	1446.7	2.858	2.755	34.571	27.565	34.295	27.556	61.4	18.100	90.5	1485.4	17156.6	4.2
1480.0	1466.4	2.832	2.728	34.572	27.568	34.390	27.559	61.1	18.222	90.5	1485.7	17515.0	4.3
1500.0	1486.2	2.799	2.694	34.576	27.574	34.488	27.565	60.5	18.344	90.5	1485.8	17875.8	3.7
1520.0	1505.9	2.776	2.668	34.577	27.577	34.583	27.568	60.3	18.465	90.5	1486.1	18239.0	2.2
1540.0	1525.6	2.744	2.636	34.579	27.582	34.679	27.572	59.9	18.585	90.5	1486.3	18604.5	2.0
1560.0	1545.3	2.717	2.608	34.581	27.585	34.774	27.576	59.6	18.705	90.5	1486.5	18972.3	4.0
1580.0	1565.1	2.686	2.575	34.583	27.590	34.871	27.581	59.1	18.823	90.5	1486.7	19342.4	.8
1600.0	1584.8	2.659	2.547	34.585	27.594	34.967	27.585	58.7	18.941	90.5	1486.9	19714.8	1.7
1620.0	1604.5	2.621	2.507	34.589	27.600	35.065	27.591	58.2	19.058	90.5	1487.1	20089.6	3.8
1640.0	1624.2	2.590	2.476	34.591	27.605	35.161	27.595	57.7	19.174	90.5	1487.3	20466.5	-.3
1660.0	1643.9	2.569	2.453	34.592	27.608	35.256	27.598	57.5	19.289	90.5	1487.5	20845.7	.6
1680.0	1663.7	2.538	2.420	34.595	27.613	35.352	27.603	57.0	19.404	90.5	1487.7	21227.2	2.3
1700.0	1683.4	2.514	2.396	34.596	27.616	35.447	27.606	56.8	19.517	90.5	1488.0	21610.8	3.2
1720.0	1703.1	2.477	2.357	34.600	27.622	35.545	27.612	56.2	19.630	90.5	1488.2	21996.7	5.0
1740.0	1722.8	2.444	2.323	34.602	27.627	35.642	27.617	55.7	19.742	90.5	1488.3	22384.7	3.0
1760.0	1742.5	2.414	2.291	34.604	27.631	35.737	27.620	55.3	19.853	90.6	1488.6	22774.9	3.8
1780.0	1762.2	2.395	2.272	34.605	27.633	35.832	27.623	55.1	19.964	90.5	1488.8	23167.2	.6
1800.0	1781.9	2.367	2.242	34.607	27.638	35.928	27.627	54.7	20.073	90.5	1489.0	23561.7	4.5
1820.0	1801.6	2.339	2.212	34.610	27.642	36.024	27.632	54.2	20.182	90.5	1489.2	23958.3	2.7
1840.0	1821.3	2.318	2.190	34.612	27.645	36.118	27.635	54.0	20.291	90.5	1489.5	24356.9	-.8
1860.0	1841.0	2.298	2.169	34.614	27.649	36.213	27.638	53.7	20.398	90.5	1489.7	24757.7	2.2
1880.0	1860.7	2.273	2.142	34.616	27.653	36.309	27.642	53.3	20.505	90.5	1490.0	25160.5	3.6
1900.0	1880.4	2.256	2.123	34.618	27.656	36.402	27.645	53.0	20.612	90.5	1490.2	25565.4	3.1
1920.0	1900.1	2.234	2.100	34.619	27.659	36.496	27.648	52.8	20.718	90.5	1490.5	25972.4	2.5
1940.0	1919.8	2.209	2.074	34.621	27.663	36.592	27.652	52.4	20.823	90.5	1490.7	26381.4	4.0
1960.0	1939.5	2.187	2.050	34.623	27.666	36.687	27.655	52.1	20.927	90.4	1490.9	26792.4	1.9
1980.0	1959.2	2.168	2.031	34.625	27.669	36.780	27.658	51.8	21.031	90.4	1491.2	27205.4	1.4
2000.0	1978.9	2.152	2.013	34.626	27.671	36.874	27.660	51.6	21.135	90.5	1491.5	27620.5	.2
2050.0	2028.1	2.100	1.957	34.631	27.679	37.110	27.668	50.8	21.390	90.5	1492.1	28666.8	1.1
2100.0	2077.3	2.059	1.913	34.635	27.686	37.343	27.674	50.3	21.643	90.4	1492.7	29725.3	1.4
2150.0	2126.4	2.017	1.867	34.638	27.692	37.577	27.681	49.7	21.893	90.5	1493.4	30795.9	.0
2200.0	2175.6	1.971	1.817	34.641	27.698	37.810	27.686	49.1	22.140	90.5	1494.0	31878.5	1.8
2250.0	2224.8	1.929	1.772	34.645	27.705	38.043	27.693	48.5	22.384	90.5	1494.7	32972.9	-.5
2300.0	2273.9	1.897	1.736	34.647	27.710	38.273	27.697	48.1	22.625	90.5	1495.4	34079.0	.7
2350.0	2323.1	1.865	1.701	34.649	27.714	38.504	27.701	47.8	22.865	90.5	1496.1	35196.6	1.1
2400.0	2372.2	1.843	1.674	34.651	27.717	38.732	27.704	47.5	23.103	90.5	1496.9	36325.8	2.3
2450.0	2421.3	1.825	1.652	34.654	27.721	38.961	27.708	47.3	23.340	90.5	1497.6	37466.3	.3
2500.0	2470.4	1.807	1.630	34.656	27.725	39.189	27.711	47.0	23.576	90.5	1498.4	38618.1	.3
2550.0	2519.5	1.775	1.594	34.659	27.729	39.418	27.716	46.6	23.810	90.4	1499.1	39781.2	.9
2600.0	2568.6	1.751	1.566	34.661	27.733	39.647	27.719	46.3	24.042	90.5	1499.9	40955.5	1.3
2650.0	2617.6	1.722	1.533	34.663	27.737	39.875	27.723	46.0	24.273	90.5	1500.6	42140.9	-.2
2700.0	2666.7	1.706	1.513	34.664	27.740	40.101	27.725	45.8	24.502	90.5	1501.4	43337.3	-1.0
2750.0	2715.8	1.677	1.480	34.666	27.743	40.329	27.729	45.5	24.730	90.5	1502.1	44544.7	1.7
2800.0	2764.8	1.653	1.452	34.668	27.747	40.557	27.732	45.2	24.957	90.5	1502.8	45762.9	.0
2850.0	2813.8	1.638	1.432	34.669	27.749	40.782	27.734	45.1	25.183	90.4	1503.6	46991.9	.3
2900.0	2862.8	1.629	1.419	34.670	27.751	41.006	27.736	45.0	25.408	90.4	1504.4	48231.7	-.2
2950.0	2911.8	1.612	1.397	34.672	27.754	41.231	27.738	44.8	25.632	90.5	1505.2	49482.2	.4
3000.0	2960.8	1.595	1.376	34.673	27.757	41.456	27.741	44.6	25.855	90.5	1506.0	50743.4	.2
3050.0	3009.8	1.581	1.357	34.674	27.759	41.681	27.743	44.5	26.078	90.4	1506.8	52015.3	2.0
3100.0	3058.8	1.569	1.340	34.676	27.761	41.904	27.745	44.4	26.300	90.5	1507.6	53297.7	-.3
3118.0	3076.4	1.565	1.336	34.676	27.762	41.985	27.745	44.4	26.380	90.4	1507.8	53762.0	.0

Station 71 Latitude 31° 40.89'N Longitude 126° 45.12'W 30 Aug 1989 GMT 15:25 Bottom 4325 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.236	19.236	33.440	23.771	23.771	23.771	411.9	.000	90.2	1518.2	.0	.0
10.0	10.0	19.229	19.228	33.441	23.774	23.817	23.773	412.0	.412	90.3	1518.3	2.1	1.7
20.0	19.9	19.233	19.229	33.441	23.773	23.860	23.772	412.4	.824	90.3	1518.5	8.2	-1.3
30.0	29.9	19.222	19.216	33.438	23.774	23.904	23.773	412.7	1.237	90.2	1518.6	18.5	.4
40.0	39.9	19.233	19.226	33.440	23.774	23.947	23.772	413.1	1.650	90.2	1518.8	32.9	9.8
50.0	49.9	18.582	18.573	33.371	23.884	24.102	23.882	402.8	2.058	90.1	1517.0	51.4	73.7
60.0	59.8	18.409	18.398	33.373	23.929	24.190	23.927	398.9	2.458	90.1	1516.7	73.9	6.6
70.0	69.8	18.118	18.107	33.372	24.000	24.305	23.997	392.4	2.856	90.1	1516.0	100.4	340.6
80.0	79.8	15.285	15.272	33.243	24.559	24.912	24.556	339.2	3.220	90.0	1507.4	130.7	412.8
90.0	89.7	13.266	13.254	33.226	24.969	25.369	24.966	300.2	3.537	90.1	1501.0	164.4	192.2
100.0	99.7	12.553	12.540	33.234	25.115	25.561	25.113	286.4	3.830	90.0	1498.8	201.1	147.3
110.0	109.6	12.254	12.240	33.284	25.211	25.702	25.208	277.4	4.113	90.4	1498.0	240.6	150.5
120.0	119.6	11.841	11.826	33.287	25.292	25.829	25.290	269.9	4.387	90.6	1496.7	282.9	127.6
130.0	129.5	11.359	11.343	33.360	25.438	26.020	25.435	256.2	4.649	90.8	1495.3	327.9	141.3
140.0	139.5	11.220	11.202	33.462	25.542	26.170	25.539	246.5	4.899	90.9	1495.1	375.4	96.2
150.0	149.4	10.915	10.897	33.471	25.604	26.277	25.601	240.8	5.143	90.9	1494.2	425.3	63.6
160.0	159.4	10.312	10.294	33.548	25.769	26.489	25.766	225.2	5.377	90.9	1492.3	477.7	93.9
170.0	169.3	10.134	10.114	33.608	25.846	26.612	25.843	218.0	5.599	90.9	1491.9	532.2	100.7
180.0	179.3	9.753	9.733	33.629	25.926	26.738	25.923	210.5	5.813	91.0	1490.7	589.0	59.3
190.0	189.2	9.585	9.564	33.673	25.989	26.847	25.985	204.7	6.020	91.0	1490.3	647.8	66.6
200.0	199.1	9.282	9.260	33.735	26.086	26.990	26.083	195.5	6.220	90.9	1489.4	708.7	89.7
210.0	209.1	9.374	9.351	33.827	26.143	27.092	26.140	190.3	6.412	91.0	1490.0	771.5	43.5
220.0	219.0	9.204	9.180	33.864	26.200	27.195	26.196	185.1	6.599	90.9	1489.6	836.1	66.9
230.0	229.0	8.989	8.964	33.904	26.267	27.307	26.263	179.0	6.781	90.9	1489.0	902.6	62.7
240.0	238.9	8.684	8.659	33.947	26.347	27.435	26.344	171.3	6.956	90.8	1488.1	970.9	32.5
250.0	248.8	8.350	8.324	33.968	26.415	27.550	26.411	164.9	7.125	90.8	1487.0	1040.8	23.7
260.0	258.8	8.193	8.167	33.973	26.443	27.624	26.439	162.4	7.289	90.6	1486.6	1112.4	40.0
270.0	268.7	8.012	7.985	33.981	26.476	27.703	26.472	159.4	7.450	90.3	1486.0	1185.6	26.5
280.0	278.6	7.873	7.845	33.988	26.502	27.775	26.498	157.0	7.608	89.9	1485.7	1260.4	17.7
290.0	288.6	7.714	7.686	33.992	26.528	27.848	26.524	154.5	7.763	89.5	1485.2	1336.8	24.7
300.0	298.5	7.591	7.562	33.993	26.547	27.913	26.543	152.9	7.917	88.8	1484.9	1414.6	29.4
310.0	308.4	7.425	7.396	33.995	26.572	27.985	26.569	150.5	8.069	88.1	1484.4	1494.0	30.5
320.0	318.4	7.309	7.279	34.006	26.597	28.056	26.593	148.2	8.218	87.2	1484.2	1574.9	24.4
330.0	328.3	7.036	7.005	34.008	26.637	28.143	26.633	144.5	8.365	86.2	1483.3	1657.2	35.2
340.0	338.2	6.994	6.962	34.008	26.643	28.195	26.638	144.1	8.509	85.2	1483.3	1741.0	17.6
350.0	348.2	6.884	6.851	34.029	26.674	28.273	26.670	141.1	8.652	84.2	1483.0	1826.2	26.4
360.0	358.1	6.772	6.739	34.037	26.695	28.340	26.691	139.2	8.792	83.4	1482.7	1912.8	12.3
370.0	368.0	6.661	6.627	34.044	26.716	28.408	26.712	137.3	8.930	82.6	1482.5	2000.8	30.4
380.0	377.9	6.500	6.465	34.046	26.739	28.478	26.735	135.1	9.067	81.7	1482.0	2090.1	41.2
390.0	387.9	6.262	6.228	34.033	26.760	28.546	26.756	133.1	9.201	81.3	1481.2	2180.8	17.5
400.0	397.8	6.084	6.049	34.027	26.778	28.611	26.774	131.4	9.333	80.9	1480.6	2272.7	23.9
410.0	407.7	5.949	5.914	34.022	26.791	28.672	26.787	130.2	9.464	80.8	1480.3	2366.0	15.7
420.0	417.6	5.833	5.797	34.025	26.808	28.735	26.803	128.6	9.593	80.9	1480.0	2460.6	14.8
430.0	427.6	5.745	5.709	34.030	26.822	28.796	26.818	127.2	9.721	81.1	1479.8	2556.4	18.8
440.0	437.5	5.645	5.608	34.037	26.840	28.861	26.836	125.6	9.847	81.1	1479.5	2653.5	15.6
450.0	447.4	5.623	5.586	34.052	26.854	28.921	26.850	124.4	9.973	81.3	1479.6	2751.8	22.6
460.0	457.3	5.523	5.485	34.062	26.875	28.989	26.871	122.4	10.096	81.4	1479.4	2851.4	9.7
470.0	467.3	5.348	5.310	34.066	26.899	29.060	26.895	120.1	10.217	81.5	1478.9	2952.1	8.5
480.0	477.2	5.278	5.239	34.077	26.916	29.124	26.911	118.6	10.337	81.8	1478.8	3054.1	22.0
490.0	487.1	5.172	5.133	34.083	26.933	29.188	26.928	117.0	10.455	82.1	1478.5	3157.2	13.5
500.0	497.0	5.113	5.073	34.087	26.944	29.244	26.939	116.0	10.571	82.4	1478.4	3261.5	11.4
510.0	506.9	5.082	5.041	34.089	26.948	29.296	26.944	115.6	10.687	82.7	1478.5	3366.9	21.1
520.0	516.8	5.021	4.979	34.102	26.966	29.360	26.961	114.0	10.802	83.1	1478.4	3473.5	6.8
530.0	526.8	4.982	4.940	34.120	26.985	29.425	26.980	112.3	10.915	83.5	1478.4	3581.2	12.6
540.0	536.7	4.909	4.866	34.127	26.998	29.485	26.993	111.1	11.027	84.0	1478.3	3690.0	19.3
550.0	546.6	4.882	4.839	34.144	27.015	29.548	27.010	109.6	11.137	84.5	1478.4	3799.8	19.3
560.0	556.5	4.784	4.740	34.155	27.035	29.615	27.030	107.7	11.246	85.0	1478.1	3910.8	15.5
570.0	566.4	4.827	4.782	34.169	27.042	29.667	27.037	107.2	11.354	85.3	1478.5	4022.8	10.9
580.0	576.3	4.815	4.769	34.180	27.051	29.722	27.046	106.4	11.460	86.0	1478.6	4135.9	16.1
590.0	586.3	4.689	4.643	34.179	27.065	29.784	27.060	105.0	11.566	86.5	1478.3	4250.1	13.8
600.0	596.2	4.643	4.597	34.187	27.076	29.841	27.071	104.0	11.671	87.9	1478.3	4365.2	13.5
610.0	606.1	4.616	4.569	34.196	27.087	29.898	27.081	103.1	11.774	88.3	1478.3	4481.4	6.5
620.0	616.0	4.551	4.504	34.206	27.101	29.959	27.096	101.7	11.877	88.8	1478.2	4598.7	22.9
630.0	625.9	4.528	4.480	34.218	27.114	30.018	27.108	100.6	11.978	89.2	1478.3	4716.9	20.5
640.0	635.8	4.558	4.509	34.235	27.124	30.073	27.118	99.8	12.078	89.6	1478.6	4836.1	7.7
650.0	645.7	4.526	4.476	34.248	27.138	30.133	27.132	98.6	12.177	89.9	1478.7	4956.3	10.6
660.0	655.6	4.513	4.462	34.259	27.148	30.189	27.142	97.7	12.276	90.3	1478.8	5077.4	15.6
670.0	665.5	4.469	4.417	34.271	27.162	30.250	27.157	96.4	12.373	90.4	1478.8	5199.5	14.4
680.0	675.5	4.519	4.467	34.290	27.172	30.305	27.166	95.7	12.469	90.5	1479.2	5322.6	18.5
690.0	685.3	4.673	4.619	34.335	27.191	30.367	27.185	94.3	12.564	90.5	1480.1	5446.6	10.7
700.0	695.3	4.616	4.562	34.337	27.199	30.421	27.193	93.5	12.658	90.5	1480.0	5571.5	12.4
710.0	705.2	4.593	4.537	34.342	27.205	30.474	27.200	93.0	12.751	90.5	1480.1	5697.4	18.3
720.0	715.1	4.535	4.479	34.349	27.217	30.532	27.211	91.9	12.843	90.5	1480.0	5824.2	3.3
730.0	725.0	4.521	4.465	34.351	27.221	30.582	27.215	91.7	12.935	90.5	1480.1	5951.8	8.9
740.0	734.9	4.481	4.424	34.360	27.232	30.639	27.226	90.6	13.026	90.5	1480.1	6080.4	6.3
750.0	744.8	4.478	4.420	34.376	27.246	30.698	27.239	89.5	13.116	90.6	1480.3	6209.9	8.0
760.0	754.7	4.448	4.389	34.381	27.252	30.752	27.246	88.9	13.205	90.5	1480.3	6340.2	5.7
770.0	764.6	4.423	4.364	34.383	27.257	30.802	27.251	88.5	13.294	90.6	1480.4	6471.4	6.3
780.0	774.5	4.381	4.321	34.394	27.270	30.862	27.264	87.3	13.382	90.6	1480.4	6603.5	5.7
790.0	784.4	4.350	4.290	34.397	27.277	30.915	27.270	86.7	13.469	90.6	1480.4	6736.5	4.5
800.0	794.3	4.295	4.234	34.414	27.295	30.980	27.289	85.0	13.555	90.5	1480.4	6870.2	8.9
810.0	804.2	4.298	4.236	34.421	27.301	31.031	27.294	84.6	13.640	90.5	1480.6	7004.9	4.5
820.0	814.1	4.281	4.219	34.424	27.305	31.082	27.299	84.2	13.724	90.6	1480.7	7140.3	1.6
830.0	824.0	4.246	4.183	34.431	27.315	31.137	27.308	83.4	13.808	90.5	1480.7	7276.6	6.9
840.0	833.9	4.239	4.175	34.433	27.317	31.185	27.310	83.2	13.891	90.6	1480.8	7413.7	11.3
850.0	843.8	4.186	4.122	34.435	27.324	31.239	27.317	82.6	13.974	90.6	1480.8	7551.6	.5
860.0	853.7	4.169	4.104	34.436	27.327	31.288	27.320	82.4	14.057	90.6	1480.9	7690.4	4.9
870.0	863.6	4.140	4.074	34.441	27.334	31.341	27.327	81.8	14.139	90.6	1480.9	7829.9	1.9
880.0	873.5	4.132	4.065	34.443	27.336	31.390	27.330	81.6	14.220	90.6	1481.1	7970.2	4.0
890.0	883.4	4.125	4.058	34.444	27.338	31.437	27.331	81.5	14.302	90.7	1481.2	8111.4	5.2
900.0	893.3	4.098	4.030	34.452	27.347	31.492	27.340	80.7	14.383	90.6	1481.3	8253.3	2.2
910.0	903.2	4.078	4.009	34.453	27.351	31.542	27.343	80.4	14.464	90.6	1481.3	8396.0	2.2
920.0	913.1	4.048	3.978	34.457	27.356	31.594	27.349	79.9	14.544	90.6	1481.4	8539.6	2.3
930.0	923.0	4.042	3.972	34.459	27.359	31.642	27.351	79.8	14.624	90.6	1481.5	8683.9	13.1
940.0	932.9	4.005	3.934	34.465	27.368	31.697	27.360	79.0	14.703	90.6	1481.6	8828.9	2.8
950.0	942.8	3.994	3.922	34.467	27.370	31.746	27.363	78.8	14.782	90.6	1481.7	8974.8	4.9
960.0	952.7	3.976	3.904	34.471	27.375	31.797	27.368	78.4	14.860	90.6	1481.8	9121.4	6.1
970.0	962.5	3.958	3.885	34.474	27.380	31.847	27.372	78.0	14.939	90.6	1481.9	9268.8	7.0
980.0	972.4	3.939	3.865	34.476	27.383	31.897	27.376	77.7	15.016	90.6	1481.9	9417.0	3.2
990.0	982.3	3.910	3.836	34.479	27.388	31.948	27.381	77.3	15.094	90.5	1482.0	9565.9	4.9

Station 71 Latitude 31° 40.89'N Longitude 126° 45.12'W 30 Aug 1989 GMT 15:25 Bottom 4325 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.880	3.805	34.480	27.392	31.999	27.385	76.9	15.171	90.6	1482.0	9715.6	13.7
1020.0	1012.0	3.800	3.724	34.487	27.406	32.105	27.398	75.6	15.323	90.7	1482.0	10017.2	-.1
1040.0	1031.8	3.783	3.706	34.488	27.408	32.199	27.400	75.5	15.474	90.6	1482.3	10321.8	1.1
1060.0	1051.6	3.730	3.652	34.497	27.421	32.304	27.413	74.4	15.624	90.6	1482.4	10629.3	4.4
1080.0	1071.3	3.703	3.623	34.499	27.426	32.401	27.418	74.0	15.773	90.6	1482.6	10939.7	7.3
1100.0	1091.1	3.639	3.558	34.506	27.438	32.506	27.430	73.0	15.920	90.6	1482.7	11253.0	10.8
1120.0	1110.9	3.596	3.514	34.509	27.444	32.605	27.436	72.4	16.065	90.6	1482.9	11569.2	1.5
1140.0	1130.7	3.545	3.461	34.514	27.454	32.707	27.446	71.5	16.209	90.6	1483.0	11888.2	2.1
1160.0	1150.4	3.510	3.425	34.520	27.462	32.807	27.454	70.8	16.351	90.6	1483.2	12210.0	6.5
1180.0	1170.2	3.483	3.396	34.522	27.467	32.903	27.458	70.4	16.492	90.6	1483.4	12534.6	6.2
1200.0	1189.9	3.431	3.343	34.527	27.475	33.004	27.467	69.7	16.632	90.5	1483.5	12861.9	4.1
1220.0	1209.7	3.380	3.292	34.530	27.483	33.104	27.474	69.0	16.771	90.5	1483.6	13192.0	6.2
1240.0	1229.5	3.331	3.241	34.533	27.490	33.204	27.481	68.3	16.908	90.5	1483.7	13524.7	1.2
1260.0	1249.2	3.301	3.210	34.535	27.495	33.301	27.486	67.9	17.045	90.6	1484.0	13860.1	4.5
1280.0	1269.0	3.256	3.163	34.539	27.502	33.400	27.493	67.3	17.180	90.6	1484.1	14198.2	6.5
1300.0	1288.7	3.197	3.103	34.543	27.511	33.502	27.502	66.4	17.314	90.6	1484.2	14538.8	8.9
1320.0	1308.5	3.153	3.058	34.546	27.517	33.601	27.509	65.8	17.446	90.6	1484.3	14882.1	4.5
1340.0	1328.2	3.107	3.011	34.549	27.524	33.700	27.515	65.2	17.577	90.5	1484.5	15227.9	3.0
1360.0	1348.0	3.063	2.966	34.552	27.531	33.799	27.522	64.6	17.706	90.6	1484.6	15576.3	6.0
1380.0	1367.7	3.027	2.929	34.555	27.537	33.897	27.528	64.0	17.835	90.6	1484.8	15927.2	3.0
1400.0	1387.5	2.986	2.887	34.558	27.543	33.996	27.534	63.5	17.962	90.6	1485.0	16280.6	7.7
1420.0	1407.2	2.961	2.860	34.560	27.546	34.091	27.537	63.1	18.089	90.6	1485.2	16636.4	3.1
1440.0	1426.9	2.912	2.810	34.563	27.553	34.191	27.544	62.5	18.214	90.6	1485.3	16994.7	1.3
1460.0	1446.7	2.876	2.773	34.566	27.559	34.288	27.550	62.0	18.339	90.6	1485.5	17355.4	2.8
1480.0	1466.4	2.843	2.739	34.568	27.564	34.385	27.555	61.5	18.462	90.5	1485.7	17718.6	4.0
1500.0	1486.2	2.821	2.715	34.570	27.567	34.480	27.558	61.3	18.585	90.5	1485.9	18084.1	4.0
1520.0	1505.9	2.794	2.686	34.572	27.572	34.576	27.562	60.9	18.707	90.5	1486.1	18452.0	1.9
1540.0	1525.6	2.759	2.651	34.574	27.577	34.673	27.567	60.4	18.828	90.5	1486.3	18822.3	-.4
1560.0	1545.3	2.728	2.618	34.576	27.581	34.770	27.572	60.0	18.949	90.4	1486.5	19194.9	2.3
1580.0	1565.1	2.713	2.601	34.581	27.586	34.866	27.576	59.6	19.069	90.5	1486.8	19569.9	6.7
1600.0	1584.8	2.673	2.560	34.581	27.590	34.961	27.580	59.2	19.187	90.6	1487.0	19947.1	4.6
1620.0	1604.5	2.634	2.520	34.584	27.596	35.060	27.586	58.6	19.305	90.5	1487.1	20326.7	4.6
1640.0	1624.2	2.607	2.492	34.586	27.600	35.155	27.590	58.3	19.422	90.5	1487.4	20708.6	6.4
1660.0	1643.9	2.584	2.467	34.589	27.604	35.251	27.594	57.9	19.538	90.4	1487.6	21092.7	.9
1680.0	1663.7	2.560	2.442	34.593	27.609	35.348	27.599	57.5	19.653	90.5	1487.8	21479.0	2.3
1700.0	1683.4	2.522	2.403	34.596	27.615	35.446	27.605	56.9	19.768	90.5	1488.0	21867.6	1.2
1720.0	1703.1	2.500	2.379	34.597	27.618	35.540	27.607	56.7	19.881	90.5	1488.2	22258.4	.6
1740.0	1722.8	2.477	2.355	34.599	27.622	35.635	27.611	56.3	19.994	90.5	1488.5	22651.4	.9
1760.0	1742.5	2.458	2.335	34.599	27.623	35.728	27.613	56.2	20.107	90.5	1488.7	23046.5	2.4
1780.0	1762.2	2.436	2.311	34.600	27.626	35.823	27.616	55.9	20.219	90.5	1489.0	23443.9	-1.1
1800.0	1781.9	2.400	2.275	34.604	27.632	35.920	27.622	55.3	20.330	90.5	1489.2	23843.4	.1
1820.0	1801.6	2.387	2.260	34.605	27.635	36.014	27.624	55.2	20.441	90.5	1489.4	24245.0	1.3
1840.0	1821.3	2.372	2.244	34.606	27.637	36.107	27.626	55.0	20.551	90.5	1489.7	24648.8	1.0
1860.0	1841.0	2.343	2.213	34.609	27.641	36.203	27.631	54.5	20.660	90.5	1489.9	25054.7	3.9
1880.0	1860.7	2.307	2.175	34.613	27.648	36.301	27.637	53.9	20.769	90.5	1490.1	25462.7	1.0
1900.0	1880.4	2.283	2.151	34.615	27.651	36.396	27.640	53.6	20.876	90.5	1490.3	25872.8	2.5
1920.0	1900.1	2.251	2.118	34.617	27.655	36.492	27.645	53.1	20.983	90.5	1490.5	26285.0	2.8
1940.0	1919.8	2.225	2.090	34.621	27.661	36.589	27.649	52.7	21.089	90.5	1490.8	26699.2	3.7
1960.0	1939.5	2.203	2.067	34.622	27.663	36.683	27.653	52.4	21.194	90.5	1491.0	27115.5	-1.0
1980.0	1959.2	2.187	2.049	34.623	27.666	36.777	27.655	52.2	21.298	90.5	1491.3	27533.8	2.8
2000.0	1978.9	2.167	2.028	34.625	27.670	36.871	27.658	51.9	21.402	90.5	1491.5	27954.1	1.1
2050.0	2028.1	2.120	1.977	34.629	27.676	37.106	27.665	51.2	21.660	90.5	1492.2	29013.5	.8
2100.0	2077.3	2.080	1.933	34.634	27.683	37.340	27.672	50.6	21.914	90.5	1492.8	30085.3	1.7
2150.0	2126.4	2.038	1.888	34.638	27.690	37.573	27.678	50.0	22.165	90.5	1493.5	31169.3	.9
2200.0	2175.6	2.006	1.852	34.641	27.696	37.805	27.684	49.6	22.414	90.4	1494.2	32265.3	2.7
2250.0	2224.8	1.987	1.829	34.642	27.699	38.033	27.686	49.4	22.662	90.5	1495.0	33373.3	-1.9
2300.0	2273.9	1.957	1.795	34.645	27.703	38.263	27.690	49.1	22.908	90.4	1495.7	34493.1	3.7
2350.0	2323.1	1.924	1.758	34.646	27.707	38.493	27.694	48.7	23.152	90.5	1496.4	35624.8	.8
2400.0	2372.2	1.894	1.724	34.649	27.712	38.724	27.699	48.3	23.395	90.5	1497.1	36768.1	1.4
2450.0	2421.3	1.874	1.700	34.651	27.716	38.952	27.702	48.1	23.636	90.5	1497.8	37923.1	.0
2500.0	2470.4	1.833	1.655	34.654	27.721	39.183	27.707	47.6	23.875	90.4	1498.5	39089.5	2.1
2550.0	2519.5	1.806	1.625	34.655	27.724	39.411	27.711	47.3	24.112	90.5	1499.2	40267.4	1.2
2600.0	2568.6	1.782	1.596	34.657	27.728	39.639	27.714	47.0	24.348	90.4	1500.0	41456.6	.7
2650.0	2617.6	1.765	1.576	34.659	27.731	39.866	27.717	46.8	24.582	90.5	1500.8	42657.1	1.6
2700.0	2666.7	1.744	1.550	34.661	27.734	40.093	27.720	46.6	24.815	90.4	1501.5	43868.7	1.7
2750.0	2715.7	1.728	1.530	34.663	27.737	40.319	27.722	46.4	25.048	90.4	1502.3	45091.5	2.3
2800.0	2764.8	1.713	1.510	34.664	27.740	40.545	27.725	46.3	25.280	90.4	1503.1	46325.4	.6
2850.0	2813.8	1.682	1.475	34.666	27.744	40.773	27.729	45.8	25.510	90.4	1503.8	47570.4	-.3
2900.0	2862.8	1.668	1.457	34.667	27.746	40.998	27.731	45.7	25.739	90.4	1504.6	48826.3	-.5
2950.0	2911.8	1.656	1.441	34.668	27.748	41.222	27.732	45.7	25.967	90.4	1505.4	50093.1	-.8
3000.0	2960.8	1.643	1.423	34.669	27.750	41.446	27.734	45.5	26.195	90.5	1506.2	51370.9	1.3
3050.0	3009.8	1.628	1.403	34.671	27.753	41.671	27.737	45.4	26.423	90.4	1507.0	52659.5	.8
3100.0	3058.8	1.617	1.388	34.672	27.755	41.894	27.738	45.3	26.649	90.4	1507.8	53958.9	.8
3150.0	3107.7	1.606	1.372	34.674	27.758	42.118	27.741	45.2	26.875	90.5	1508.6	55269.1	.3
3200.0	3156.6	1.593	1.354	34.675	27.760	42.342	27.742	45.1	27.101	90.3	1509.4	56590.1	.6
3250.0	3205.6	1.581	1.337	34.676	27.762	42.564	27.744	45.0	27.326	90.4	1510.2	57921.8	.1
3300.0	3254.5	1.574	1.327	34.676	27.763	42.786	27.745	45.0	27.551	90.4	1511.0	59264.2	-1.0
3350.0	3303.4	1.561	1.308	34.678	27.766	43.009	27.747	44.8	27.775	90.3	1511.8	60617.3	.2
3400.0	3352.3	1.551	1.294	34.679	27.768	43.231	27.749	44.7	27.999	90.4	1512.6	61981.0	2.0
3450.0	3401.2	1.541	1.278	34.681	27.770	43.454	27.751	44.6	28.222	90.4	1513.4	63355.4	-1.5
3500.0	3450.1	1.532	1.265	34.682	27.772	43.675	27.753	44.5	28.445	90.3	1514.2	64740.3	1.5
3550.0	3499.0	1.523	1.251	34.683	27.774	43.896	27.754	44.4	28.667	90.3	1515.0	66135.8	-.8
3600.0	3547.8	1.520	1.243	34.683	27.775	44.116	27.755	44.5	28.889	90.3	1515.9	67541.9	.7
3650.0	3596.7	1.512	1.230	34.686	27.777	44.338	27.757	44.3	29.112	90.4	1516.7	68958.5	1.3
3700.0	3645.5	1.507	1.220	34.686	27.779	44.557	27.758	44.4	29.334	90.3	1517.5	70385.6	1.4
3750.0	3694.3	1.504	1.211	34.687	27.780	44.776	27.759	44.4	29.556	90.4	1518.4	71823.3	.5
3800.0	3743.1	1.500	1.202	34.688	27.781	44.996	27.760	44.4	29.778	90.3	1519.2	73271.5	-2.3
3850.0	3791.9	1.500	1.197	34.688	27.782	45.213	27.760	44.5	30.000	90.3	1520.1	74730.1	-.5
3900.0	3840.8	1.501	1.193	34.689	27.782	45.431	27.760	44.6	30.222	90.3	1521.0	76199.4	1.3
3950.0	3889.5	1.504	1.190	34.690	27.783	45.648	27.761	44.8	30.446	90.3	1521.8	77679.2	.2
4000.0	3938.3	1.504	1.185	34.690	27.784	45.866	27.762	44.8	30.670	90.3	1522.7	79169.5	.5
4050.0	3987.1	1.507	1.183	34.690	27.784	46.081	27.761	45.0	30.895	90.3	1523.6	80670.5	.5
4100.0	4035.8	1.509	1.178	34.691	27.785	46.298	27.761	45.2	31.120	90.3	1524.4	82182.2	1.5
4150.0	4084.6	1.511	1.175	34.691	27.785	46.514	27.762	45.3	31.346	90.3	1525.3	83704.5	.3
4200.0	4133.3	1.516	1.174	34.691	27.785	46.729	27.761	45.5	31.573	90.2	1526.2	85237.5	-.8
4250.0	4182.0	1.520	1.173	34.691	27.786	46.944	27.761	45.7	31.801	90.3	1527.1	86781.3	.7
4300.0	4230.7	1.522	1.168	34.692	27.787	47.160	27.762	45.8	32.029	90.3	1527.9	88335.8	-.1
4350.0	4279.4	1.526	1.167	34.692	27.787	47.375	27.761	46.0	32.259	90.3	1528.8	89901.2	-.4
4388.0	4316.4	1.530	1.166	34.692	27.787	47.537	27.761	46.1	32.434	90.2	1529.5	91098.1	.0

Station 72 Latitude 31° 56.13'N Longitude 126° 35.96'W 30 Aug 1989 GMT 19:30 Bottom 4225 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.074	19.074	33.424	23.799	23.799	23.799	409.2	.000	90.4	1517.7	.0	.0
10.0	10.0	19.038	19.037	33.424	23.809	23.853	23.809	408.6	.409	90.3	1517.8	2.0	17.3
20.0	19.9	19.003	18.999	33.423	23.817	23.904	23.817	408.2	.817	90.3	1517.8	8.2	2.3
30.0	29.9	18.998	18.993	33.424	23.820	23.950	23.818	408.3	1.225	90.3	1518.0	18.3	.1
40.0	39.9	18.996	18.989	33.515	23.891	24.065	23.889	401.9	1.633	90.1	1518.2	32.6	280.6
50.0	49.8	18.989	18.980	33.657	24.001	24.218	23.999	391.7	2.028	90.2	1518.5	50.8	128.5
60.0	59.8	17.912	17.902	33.654	24.267	24.528	24.264	366.7	2.407	90.1	1515.6	73.0	445.7
70.0	69.8	16.712	16.701	33.655	24.553	24.860	24.551	339.6	2.756	90.2	1512.2	98.7	236.2
80.0	79.7	16.034	16.021	33.671	24.722	25.073	24.719	323.8	3.086	90.2	1510.3	127.8	121.3
90.0	89.7	15.859	15.845	33.711	24.792	25.188	24.789	317.4	3.406	90.3	1510.0	160.1	42.8
100.0	99.7	15.045	15.030	33.632	24.912	25.352	24.908	306.2	3.719	90.4	1507.5	195.6	128.8
110.0	109.6	14.918	14.901	33.704	24.995	25.480	24.991	298.6	4.022	90.4	1507.3	234.2	125.3
120.0	119.6	13.701	13.685	33.562	25.142	25.674	25.138	284.6	4.314	90.6	1503.4	275.7	91.6
130.0	129.5	14.085	14.066	33.771	25.224	25.799	25.220	277.2	4.595	90.8	1505.0	320.0	126.6
140.0	139.5	12.729	12.710	33.588	25.357	25.980	25.353	264.5	4.864	90.8	1500.5	367.1	12.7
150.0	149.4	12.325	12.305	33.573	25.423	26.092	25.419	258.4	5.126	90.9	1499.2	416.8	82.3
160.0	159.4	11.674	11.654	33.549	25.527	26.243	25.524	248.5	5.380	91.0	1497.1	469.1	169.2
170.0	169.3	10.713	10.693	33.535	25.690	26.453	25.686	233.1	5.619	91.0	1493.9	523.8	39.6
180.0	179.3	10.428	10.406	33.654	25.832	26.641	25.828	219.7	5.845	91.1	1493.1	580.8	125.3
190.0	189.2	9.986	9.965	33.676	25.925	26.781	25.921	210.9	6.060	91.1	1491.7	640.0	116.2
200.0	199.1	9.483	9.461	33.767	26.079	26.982	26.076	196.3	6.265	91.0	1490.2	701.3	155.9
210.0	209.1	9.225	9.202	33.828	26.169	27.118	26.165	187.9	6.457	90.9	1489.4	764.5	82.9
220.0	219.0	8.838	8.815	33.890	26.279	27.275	26.275	177.5	6.641	90.7	1488.2	829.6	62.1
230.0	229.0	8.668	8.644	33.918	26.327	27.370	26.324	173.0	6.816	90.2	1487.8	896.5	70.3
240.0	238.9	8.457	8.432	33.939	26.376	27.465	26.372	168.5	6.986	89.3	1487.2	965.1	17.2
250.0	248.8	8.378	8.353	33.965	26.409	27.543	26.405	165.6	7.153	87.7	1487.1	1035.3	48.0
260.0	258.8	8.194	8.167	33.985	26.452	27.633	26.448	161.5	7.316	85.7	1486.6	1107.2	31.5
270.0	268.7	7.990	7.963	33.997	26.492	27.719	26.487	157.9	7.476	83.3	1486.0	1180.7	13.6
280.0	278.6	7.831	7.803	34.004	26.521	27.795	26.517	155.1	7.633	80.8	1485.5	1255.7	26.5
290.0	288.6	7.676	7.648	34.010	26.549	27.868	26.544	152.6	7.787	78.3	1485.1	1332.3	8.6
300.0	298.5	7.535	7.506	34.016	26.573	27.939	26.569	150.4	7.939	76.0	1484.7	1410.4	42.0
310.0	308.4	7.440	7.411	34.014	26.585	27.997	26.581	149.3	8.088	73.7	1484.5	1490.0	20.6
320.0	318.4	7.356	7.326	34.019	26.601	28.060	26.597	147.9	8.237	72.4	1484.4	1571.0	38.7
330.0	328.3	7.107	7.076	34.028	26.643	28.149	26.639	143.9	8.382	70.8	1483.6	1653.5	17.3
340.0	338.2	7.051	7.019	34.027	26.650	28.201	26.646	143.4	8.526	69.6	1483.5	1737.5	14.4
350.0	348.1	6.901	6.868	34.029	26.672	28.270	26.668	141.4	8.668	68.7	1483.1	1822.8	26.7
360.0	358.1	6.738	6.706	34.034	26.698	28.343	26.694	138.9	8.808	67.8	1482.6	1909.6	34.5
370.0	368.0	6.553	6.520	34.048	26.733	28.426	26.729	135.6	8.945	67.2	1482.1	1997.7	21.6
380.0	377.9	6.395	6.362	34.052	26.757	28.497	26.753	133.3	9.080	66.9	1481.6	2087.2	31.5
390.0	387.9	6.288	6.253	34.054	26.773	28.559	26.768	131.9	9.213	66.6	1481.3	2177.9	4.6
400.0	397.8	6.183	6.148	34.059	26.791	28.623	26.786	130.3	9.344	66.5	1481.1	2270.0	17.5
410.0	407.7	6.101	6.066	34.064	26.805	28.684	26.801	129.0	9.474	66.3	1480.9	2363.4	11.9
420.0	417.6	6.029	5.992	34.073	26.821	28.746	26.816	127.5	9.602	66.5	1480.8	2458.1	14.2
430.0	427.6	5.972	5.935	34.080	26.834	28.805	26.830	126.4	9.729	66.7	1480.8	2554.0	12.2
440.0	437.5	5.891	5.854	34.082	26.846	28.863	26.841	125.4	9.855	66.8	1480.6	2651.1	15.1
450.0	447.4	5.731	5.693	34.085	26.868	28.934	26.864	123.2	9.979	66.9	1480.1	2749.5	15.6
460.0	457.3	5.661	5.622	34.092	26.882	28.993	26.877	122.0	10.102	67.1	1480.0	2849.1	22.7
470.0	467.2	5.548	5.509	34.105	26.906	29.065	26.902	119.6	10.223	67.4	1479.7	2950.0	8.3
480.0	477.2	5.505	5.466	34.112	26.916	29.121	26.912	118.8	10.342	67.6	1479.7	3052.0	22.7
490.0	487.1	5.443	5.403	34.127	26.937	29.188	26.932	116.9	10.460	68.0	1479.7	3155.1	13.9
500.0	497.0	5.379	5.338	34.141	26.955	29.252	26.950	115.3	10.576	68.4	1479.6	3259.5	8.9
510.0	506.9	5.365	5.324	34.147	26.961	29.305	26.956	114.8	10.691	70.3	1479.7	3364.9	14.4
520.0	516.8	5.428	5.385	34.174	26.976	29.364	26.971	113.6	10.805	70.8	1480.2	3471.5	12.7
530.0	526.8	5.339	5.296	34.184	26.994	29.429	26.989	111.9	10.918	71.3	1480.0	3579.2	13.3
540.0	536.7	5.321	5.277	34.190	27.001	29.482	26.996	111.3	11.029	71.7	1480.1	3688.0	11.2
550.0	546.6	5.266	5.221	34.200	27.015	29.542	27.010	110.1	11.140	72.0	1480.0	3798.0	8.3
560.0	556.5	5.250	5.204	34.207	27.023	29.596	27.018	109.4	11.250	72.4	1480.1	3909.0	14.5
570.0	566.4	5.203	5.156	34.217	27.037	29.656	27.031	108.2	11.359	72.8	1480.1	4021.0	14.2
580.0	576.3	5.160	5.112	34.220	27.044	29.710	27.038	107.6	11.466	73.2	1480.1	4134.2	11.0
590.0	586.2	5.117	5.070	34.237	27.063	29.775	27.057	105.9	11.573	73.5	1480.1	4248.4	4.8
600.0	596.2	5.075	5.027	34.248	27.076	29.834	27.070	104.7	11.678	74.0	1480.1	4363.6	26.2
610.0	606.1	5.022	4.973	34.260	27.092	29.896	27.086	103.3	11.782	74.3	1480.1	4479.9	8.0
620.0	616.0	5.008	4.958	34.269	27.101	29.951	27.095	102.5	11.885	74.5	1480.2	4597.2	6.9
630.0	625.9	4.980	4.930	34.280	27.112	30.009	27.106	101.5	11.987	74.8	1480.3	4715.5	10.7
640.0	635.8	4.950	4.899	34.293	27.126	30.069	27.120	100.3	12.088	75.2	1480.3	4834.8	16.5
650.0	645.7	4.922	4.870	34.301	27.136	30.125	27.130	99.4	12.188	75.4	1480.4	4955.1	11.3
660.0	655.6	4.906	4.853	34.309	27.144	30.179	27.138	98.7	12.287	75.8	1480.5	5076.3	8.6
670.0	665.5	4.867	4.814	34.315	27.153	30.234	27.147	97.9	12.385	76.1	1480.5	5198.6	12.2
680.0	675.4	4.814	4.760	34.321	27.164	30.292	27.158	96.9	12.483	76.3	1480.5	5321.8	5.4
690.0	685.3	4.799	4.744	34.324	27.169	30.342	27.163	96.6	12.579	76.6	1480.6	5445.9	8.6
700.0	695.3	4.736	4.680	34.336	27.185	30.405	27.179	95.1	12.675	76.8	1480.5	5571.0	11.6
710.0	705.2	4.707	4.651	34.349	27.198	30.465	27.192	93.8	12.770	77.2	1480.5	5697.0	3.1
720.0	715.1	4.680	4.623	34.356	27.208	30.520	27.201	93.1	12.863	77.4	1480.6	5824.0	.7
730.0	725.0	4.658	4.601	34.360	27.213	30.572	27.207	92.6	12.956	77.7	1480.7	5951.9	8.1
740.0	734.9	4.634	4.576	34.367	27.221	30.625	27.214	92.0	13.048	77.9	1480.8	6080.7	8.7
750.0	744.8	4.622	4.563	34.371	27.226	30.677	27.220	91.5	13.140	78.3	1480.9	6210.3	4.0
760.0	754.7	4.595	4.536	34.380	27.236	30.732	27.229	90.7	13.231	78.4	1480.9	6340.9	6.3
770.0	764.6	4.554	4.494	34.385	27.245	30.788	27.238	89.9	13.321	78.9	1480.9	6472.4	11.6
780.0	774.5	4.500	4.439	34.395	27.258	30.847	27.252	88.6	13.411	79.2	1480.9	6604.8	15.1
790.0	784.4	4.443	4.382	34.404	27.272	30.908	27.265	87.4	13.499	79.6	1480.8	6738.0	24.5
800.0	794.3	4.404	4.342	34.410	27.281	30.963	27.274	86.5	13.586	79.9	1480.8	6872.1	7.8
810.0	804.2	4.377	4.314	34.416	27.288	31.017	27.282	85.9	13.672	80.3	1480.9	7007.0	4.6
820.0	814.1	4.346	4.282	34.419	27.295	31.070	27.288	85.3	13.757	80.7	1480.9	7142.8	8.4
830.0	824.0	4.310	4.246	34.425	27.303	31.124	27.296	84.6	13.842	81.1	1481.0	7279.4	2.8
840.0	833.9	4.304	4.240	34.429	27.306	31.173	27.299	84.4	13.927	81.3	1481.1	7416.9	1.9
850.0	843.8	4.283	4.218	34.431	27.311	31.224	27.304	84.0	14.011	81.8	1481.2	7555.1	7.5
860.0	853.7	4.242	4.176	34.436	27.319	31.278	27.312	83.3	14.095	82.1	1481.2	7694.2	4.0
870.0	863.6	4.225	4.158	34.438	27.323	31.328	27.315	83.0	14.178	82.6	1481.3	7834.2	6.6
880.0	873.5	4.195	4.128	34.441	27.328	31.380	27.321	82.5	14.260	83.0	1481.3	7974.9	2.5
890.0	883.4	4.168	4.100	34.444	27.334	31.432	27.327	82.0	14.343	83.4	1481.4	8116.4	4.9
900.0	893.3	4.141	4.073	34.447	27.339	31.483	27.332	81.6	14.424	83.9	1481.4	8258.8	2.0
910.0	903.2	4.121	4.052	34.448	27.342	31.532	27.334	81.4	14.506	84.3	1481.5	8401.9	2.8
920.0	913.1	4.096	4.026	34.454	27.349	31.585	27.342	80.7	14.587	84.7	1481.6	8545.8	7.5
930.0	923.0	4.074	4.004	34.459	27.355	31.638	27.348	80.2	14.667	85.1	1481.7	8690.6	7.5
940.0	932.8	4.045	3.974	34.461	27.360	31.689	27.353	79.7	14.747	85.6	1481.7	8836.1	2.6
950.0	942.8	4.016	3.944	34.465	27.366	31.741	27.359	79.2	14.827	86.0	1481.8	8982.4	2.3
960.0	952.6	3.982	3.910	34.470	27.374	31.795	27.367	78.5	14.906	86.5	1481.8	9129.5	19.0
970.0	962.5	3.949	3.876	34.474	27.381	31.848	27.373	77.9	14.984	86.9	1481.8	9277.3	3.4
980.0	972.4	3.932	3.858	34.476	27.384	31.898	27.377	77.6	15.062	87.4	1481.9	9425.9	2.0
990.0	982.3	3.915	3.840	34.478	27.388	31.947	27.380	77.3	15.139	87.9	1482.0	9575.3	1.7

Station 72 Latitude 31° 56.13'N Longitude 126° 35.96'W 30 Aug 1989 GMT 19:30 Bottom 4225 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.874	3.799	34.482	27.394	32.001	27.387	76.7	15.216	88.4	1482.0	9725.4	10.8
1020.0	1012.0	3.823	3.747	34.486	27.403	32.102	27.395	75.9	15.369	89.4	1482.1	10027.9	6.1
1040.0	1031.8	3.779	3.702	34.492	27.412	32.203	27.404	75.2	15.520	90.1	1482.3	10333.4	4.6
1060.0	1051.5	3.730	3.652	34.496	27.421	32.304	27.413	74.4	15.669	90.4	1482.4	10641.8	1.7
1080.0	1071.3	3.684	3.604	34.503	27.431	32.407	27.423	73.5	15.818	90.5	1482.6	10953.1	6.1
1100.0	1091.1	3.639	3.557	34.507	27.439	32.507	27.431	72.8	15.964	90.6	1482.7	11267.3	3.5
1120.0	1110.9	3.594	3.512	34.512	27.447	32.607	27.439	72.1	16.109	90.6	1482.9	11584.3	2.9
1140.0	1130.6	3.536	3.452	34.516	27.457	32.710	27.448	71.2	16.252	90.6	1482.9	11904.2	4.1
1160.0	1150.4	3.488	3.404	34.521	27.465	32.810	27.456	70.5	16.394	90.5	1483.1	12226.9	1.8
1180.0	1170.2	3.442	3.356	34.525	27.472	32.910	27.464	69.8	16.535	90.5	1483.2	12552.3	5.6
1200.0	1189.9	3.414	3.327	34.527	27.477	33.006	27.468	69.5	16.674	90.7	1483.4	12880.4	3.0
1220.0	1209.7	3.371	3.282	34.530	27.484	33.106	27.476	68.8	16.813	90.6	1483.6	13211.3	2.7
1240.0	1229.4	3.330	3.240	34.533	27.490	33.204	27.482	68.3	16.950	90.6	1483.7	13544.8	5.9
1260.0	1249.2	3.299	3.208	34.535	27.494	33.301	27.486	67.9	17.086	90.5	1483.9	13881.0	6.8
1280.0	1268.9	3.237	3.145	34.539	27.504	33.403	27.495	67.0	17.221	90.5	1484.0	14219.9	1.8
1300.0	1288.7	3.217	3.124	34.541	27.507	33.498	27.498	66.8	17.355	90.5	1484.3	14561.4	5.1
1320.0	1308.4	3.176	3.081	34.544	27.514	33.597	27.505	66.2	17.488	90.5	1484.4	14905.5	7.4
1340.0	1328.2	3.114	3.018	34.549	27.524	33.700	27.515	65.2	17.619	90.5	1484.5	15252.1	2.7
1360.0	1347.9	3.078	2.980	34.552	27.529	33.797	27.520	64.8	17.749	90.6	1484.7	15601.3	1.6
1380.0	1367.7	3.044	2.946	34.554	27.534	33.894	27.525	64.3	17.878	90.5	1484.9	15953.0	1.6
1400.0	1387.4	2.995	2.896	34.558	27.542	33.995	27.533	63.5	18.006	90.6	1485.0	16307.3	.7
1420.0	1407.2	2.981	2.880	34.559	27.544	34.088	27.535	63.4	18.133	90.6	1485.3	16664.0	2.2
1440.0	1426.9	2.941	2.839	34.561	27.550	34.186	27.540	62.9	18.260	90.5	1485.4	17023.2	2.5
1460.0	1446.7	2.908	2.804	34.565	27.555	34.283	27.546	62.4	18.385	90.6	1485.6	17384.8	5.1
1480.0	1466.4	2.863	2.758	34.568	27.562	34.382	27.552	61.8	18.509	90.6	1485.8	17748.8	2.5
1500.0	1486.1	2.835	2.729	34.570	27.566	34.479	27.557	61.4	18.632	90.5	1486.0	18115.3	1.3
1520.0	1505.8	2.805	2.698	34.572	27.570	34.574	27.561	61.0	18.755	90.5	1486.2	18484.1	-.1
1540.0	1525.6	2.770	2.662	34.576	27.577	34.673	27.567	60.4	18.876	90.5	1486.4	18855.3	3.7
1560.0	1545.3	2.747	2.637	34.579	27.581	34.769	27.572	60.1	18.997	90.5	1486.6	19228.9	4.6
1580.0	1565.0	2.714	2.603	34.581	27.586	34.866	27.576	59.6	19.117	90.5	1486.8	19604.8	2.9
1600.0	1584.8	2.683	2.571	34.583	27.590	34.961	27.580	59.3	19.236	90.5	1487.0	19983.1	3.2
1620.0	1604.5	2.652	2.539	34.584	27.594	35.057	27.584	58.9	19.354	90.5	1487.2	20363.6	2.6
1640.0	1624.2	2.619	2.504	34.587	27.600	35.155	27.590	58.4	19.471	90.5	1487.4	20746.4	5.5
1660.0	1643.9	2.582	2.465	34.591	27.606	35.253	27.596	57.7	19.587	90.6	1487.6	21131.4	6.4
1680.0	1663.6	2.554	2.437	34.593	27.610	35.348	27.600	57.4	19.702	90.5	1487.8	21518.8	2.3
1700.0	1683.3	2.534	2.415	34.594	27.612	35.443	27.602	57.2	19.817	90.5	1488.1	21908.3	3.2
1720.0	1703.1	2.492	2.372	34.596	27.618	35.541	27.608	56.6	19.930	90.5	1488.2	22300.0	-.3
1740.0	1722.8	2.474	2.352	34.597	27.620	35.634	27.610	56.4	20.044	90.5	1488.5	22694.0	.9
1760.0	1742.5	2.449	2.326	34.599	27.624	35.730	27.614	56.0	20.156	90.5	1488.7	23090.1	3.3
1780.0	1762.2	2.427	2.303	34.602	27.628	35.825	27.618	55.7	20.268	90.5	1488.9	23488.4	2.1
1800.0	1781.9	2.393	2.268	34.604	27.633	35.921	27.622	55.3	20.379	90.5	1489.1	23888.8	6.5
1820.0	1801.6	2.369	2.242	34.605	27.636	36.016	27.625	55.0	20.489	90.5	1489.4	24291.4	.7
1840.0	1821.3	2.337	2.209	34.607	27.640	36.112	27.629	54.6	20.598	90.5	1489.6	24696.2	3.9
1860.0	1841.0	2.310	2.181	34.607	27.643	36.206	27.632	54.3	20.707	90.5	1489.8	25103.0	-.5
1880.0	1860.7	2.282	2.151	34.611	27.648	36.303	27.637	53.8	20.815	90.5	1490.0	25511.9	4.2
1900.0	1880.4	2.251	2.119	34.614	27.653	36.400	27.642	53.3	20.922	90.5	1490.2	25922.9	3.1
1920.0	1900.1	2.221	2.088	34.615	27.656	36.495	27.646	52.9	21.028	90.5	1490.4	26336.0	1.3
1940.0	1919.8	2.207	2.073	34.617	27.659	36.588	27.648	52.7	21.134	90.5	1490.7	26751.1	1.6
1960.0	1939.4	2.198	2.062	34.618	27.661	36.681	27.650	52.6	21.239	90.5	1491.0	27168.2	-.1
1980.0	1959.1	2.191	2.053	34.620	27.663	36.774	27.652	52.4	21.344	90.5	1491.3	27587.4	1.1
2000.0	1978.8	2.172	2.032	34.620	27.665	36.867	27.654	52.3	21.449	90.4	1491.5	28008.6	1.7
2050.0	2028.0	2.109	1.966	34.626	27.675	37.104	27.663	51.3	21.708	90.5	1492.1	29070.4	1.4
2100.0	2077.2	2.060	1.914	34.632	27.684	37.341	27.672	50.5	21.962	90.5	1492.7	30144.5	-.3
2150.0	2126.4	2.021	1.871	34.635	27.690	37.574	27.678	50.0	22.213	90.4	1493.4	31230.8	2.1
2200.0	2175.6	1.990	1.837	34.638	27.695	37.805	27.683	49.6	22.462	90.5	1494.1	32329.2	3.3
2250.0	2224.7	1.945	1.787	34.642	27.701	38.039	27.689	48.9	22.708	90.5	1494.8	33439.4	1.3
2300.0	2273.9	1.906	1.745	34.646	27.708	38.271	27.695	48.3	22.951	90.5	1495.5	34561.5	2.2
2350.0	2323.0	1.870	1.706	34.649	27.713	38.503	27.701	47.8	23.192	90.4	1496.1	35695.1	1.4
2400.0	2372.1	1.836	1.667	34.652	27.718	38.734	27.706	47.4	23.430	90.4	1496.8	36840.2	.2
2450.0	2421.2	1.808	1.635	34.654	27.723	38.964	27.710	47.0	23.666	90.4	1497.6	37996.7	.3
2500.0	2470.3	1.793	1.617	34.655	27.725	39.190	27.712	46.9	23.901	90.5	1498.3	39164.5	.0
2550.0	2519.4	1.774	1.593	34.657	27.728	39.417	27.715	46.7	24.135	90.5	1499.1	40343.5	.6
2600.0	2568.5	1.757	1.572	34.659	27.731	39.644	27.717	46.6	24.368	90.5	1499.9	41533.7	1.0
2650.0	2617.6	1.730	1.541	34.661	27.735	39.873	27.721	46.2	24.599	90.4	1500.6	42735.1	-.2
2700.0	2666.6	1.707	1.514	34.664	27.739	40.101	27.725	45.9	24.829	90.4	1501.4	43947.4	2.8
2750.0	2715.7	1.685	1.488	34.665	27.742	40.328	27.728	45.6	25.058	90.4	1502.1	45170.8	1.4
2800.0	2764.7	1.658	1.457	34.667	27.746	40.556	27.731	45.3	25.286	90.5	1502.8	46405.1	.3
2850.0	2813.7	1.642	1.436	34.668	27.749	40.781	27.734	45.1	25.511	90.4	1503.6	47650.2	.0
2900.0	2862.8	1.627	1.416	34.670	27.751	41.006	27.736	45.0	25.737	90.5	1504.4	48906.0	-.2
2950.0	2911.8	1.616	1.401	34.671	27.753	41.230	27.737	44.9	25.962	90.5	1505.2	50172.7	1.3
3000.0	2960.7	1.607	1.387	34.672	27.755	41.454	27.739	44.8	26.186	90.4	1506.0	51450.0	.2
3050.0	3009.7	1.600	1.376	34.673	27.757	41.677	27.740	44.8	26.410	90.4	1506.8	52738.0	2.3
3100.0	3058.7	1.595	1.366	34.674	27.758	41.899	27.741	44.9	26.634	90.5	1507.7	54036.7	.2
3150.0	3107.6	1.593	1.359	34.674	27.759	42.121	27.742	44.9	26.859	90.4	1508.5	55346.1	.6
3200.0	3156.6	1.587	1.349	34.674	27.760	42.342	27.743	45.0	27.083	90.3	1509.3	56666.2	-.2
3250.0	3205.5	1.580	1.337	34.676	27.762	42.565	27.744	44.9	27.308	90.4	1510.2	57997.0	-.2
3300.0	3254.4	1.574	1.326	34.677	27.763	42.787	27.746	44.9	27.533	90.4	1511.0	59338.5	1.3
3350.0	3303.4	1.564	1.311	34.678	27.765	43.009	27.747	44.8	27.757	90.4	1511.8	60690.7	.2
3400.0	3352.3	1.559	1.301	34.679	27.767	43.230	27.748	44.9	27.982	90.4	1512.6	62053.5	.2
3450.0	3401.1	1.548	1.285	34.680	27.769	43.452	27.750	44.7	28.205	90.4	1513.4	63427.0	.3
3500.0	3450.0	1.540	1.273	34.682	27.771	43.674	27.752	44.7	28.429	90.4	1514.3	64811.1	-.9
3550.0	3498.9	1.526	1.254	34.683	27.773	43.896	27.754	44.5	28.652	90.4	1515.1	66205.9	1.0
3600.0	3547.8	1.517	1.240	34.684	27.775	44.117	27.755	44.4	28.874	90.4	1515.9	67611.2	.7
3650.0	3596.6	1.516	1.234	34.685	27.776	44.336	27.756	44.5	29.096	90.4	1516.7	69027.0	.2
3700.0	3645.4	1.509	1.222	34.686	27.778	44.556	27.758	44.4	29.319	90.4	1517.6	70453.4	1.4
3750.0	3694.3	1.504	1.211	34.687	27.779	44.776	27.759	44.4	29.541	90.4	1518.4	71890.3	.3
3800.0	3743.1	1.501	1.204	34.688	27.781	44.995	27.760	44.4	29.763	90.4	1519.2	73337.7	.3
3850.0	3791.9	1.500	1.197	34.688	27.781	45.213	27.760	44.5	29.985	90.3	1520.1	74795.6	-.2
3900.0	3840.7	1.494	1.186	34.690	27.784	45.433	27.762	44.5	30.207	90.3	1520.9	76264.1	.4
3950.0	3889.4	1.494	1.180	34.691	27.785	45.650	27.763	44.5	30.430	90.3	1521.8	77743.1	1.6
4000.0	3938.2	1.497	1.178	34.691	27.785	45.867	27.762	44.7	30.653	90.4	1522.7	79232.6	2.2
4050.0	3987.0	1.496	1.171	34.692	27.786	46.084	27.763	44.8	30.876	90.3	1523.5	80732.7	.2
4100.0	4035.7	1.499	1.169	34.692	27.786	46.300	27.763	44.9	31.101	90.3	1524.4	82243.4	.0
4150.0	4084.5	1.504	1.168	34.692	27.787	46.516	27.763	45.1	31.326	90.3	1525.3	83764.7	-.5
4200.0	4133.2	1.508	1.167	34.692	27.787	46.731	27.762	45.3	31.552	90.3	1526.2	85296.6	.7
4250.0	4181.9	1.513	1.166	34.693	27.787	46.947	27.763	45.5	31.779	90.3	1527.0	86839.3	-.7
4276.0	4207.2	1.515	1.165	34.692	27.787	47.058	27.762	45.6	31.897	90.3	1527.5	87645.7	.0

Station 73 Latitude 32° 10.13'N Longitude 126° 27.39'W 30 Aug 1989 GMT 23:25 Bottom 4275 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m³	Sigma-z kg/m³	Sigma-t kg/m³	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
.0	.0	19.184	19.184	33.525	23.848	23.848	23.848	404.5	.000	90.3	1518.1	.0	.0
10.0	10.0	19.192	19.191	33.526	23.847	23.891	23.847	405.0	.405	90.3	1518.3	2.0	19.6
20.0	19.9	19.081	19.078	33.521	23.873	23.959	23.872	402.9	.809	90.3	1518.2	8.1	26.9
30.0	29.9	19.059	19.053	33.521	23.878	24.009	23.877	402.7	1.212	90.2	1518.3	18.1	1.9
40.0	39.9	19.053	19.046	33.522	23.881	24.055	23.880	402.8	1.615	90.2	1518.4	32.2	11.7
50.0	49.8	18.710	18.701	33.528	23.973	24.190	23.971	394.4	2.014	90.0	1517.6	50.3	136.7
60.0	59.8	16.459	16.449	33.457	24.460	24.723	24.457	348.2	2.384	90.0	1511.0	72.3	292.6
70.0	69.8	15.667	15.656	33.468	24.648	24.955	24.645	330.5	2.720	90.1	1508.8	97.7	127.7
80.0	79.7	15.208	15.196	33.449	24.735	25.087	24.732	322.5	3.046	90.2	1507.4	126.4	55.3
90.0	89.7	14.647	14.634	33.409	24.825	25.222	24.822	314.1	3.363	90.3	1505.8	158.4	143.9
100.0	99.7	14.056	14.042	33.403	24.945	25.388	24.942	302.8	3.671	90.4	1504.0	193.4	89.9
110.0	109.6	13.833	13.818	33.407	24.994	25.482	24.992	298.4	3.972	90.4	1503.4	231.4	114.5
120.0	119.6	13.096	13.080	33.347	25.097	25.631	25.094	288.7	4.266	90.6	1501.1	272.4	101.5
130.0	129.5	12.721	12.703	33.354	25.177	25.756	25.174	281.3	4.551	90.8	1500.0	316.3	102.0
140.0	139.5	12.582	12.564	33.440	25.270	25.894	25.267	272.7	4.827	90.8	1499.8	363.0	27.3
150.0	149.4	12.539	12.519	33.570	25.380	26.048	25.376	262.5	5.094	90.8	1500.0	412.4	87.4
160.0	159.4	11.828	11.808	33.548	25.498	26.214	25.495	251.3	5.352	91.0	1497.6	464.3	68.2
170.0	169.3	11.194	11.174	33.540	25.608	26.370	25.604	241.0	5.598	91.0	1495.6	518.8	34.4
180.0	179.3	10.787	10.765	33.554	25.692	26.500	25.688	233.1	5.837	90.9	1494.3	575.7	164.3
190.0	189.2	10.223	10.201	33.645	25.860	26.716	25.857	217.1	6.062	91.0	1492.6	634.9	94.0
200.0	199.1	9.976	9.953	33.680	25.930	26.831	25.926	210.6	6.276	91.1	1491.9	696.2	25.4
210.0	209.1	9.721	9.698	33.713	25.998	26.945	25.994	204.3	6.484	91.0	1491.1	759.6	120.5
220.0	219.0	9.316	9.292	33.781	26.117	27.111	26.113	193.0	6.683	91.0	1489.9	825.1	109.9
230.0	229.0	9.055	9.030	33.851	26.214	27.254	26.210	183.9	6.871	91.0	1489.2	892.4	70.9
240.0	238.9	8.873	8.847	33.903	26.283	27.369	26.279	177.5	7.052	91.0	1488.7	961.6	31.1
250.0	248.8	8.545	8.519	33.923	26.350	27.483	26.346	171.2	7.227	90.9	1487.7	1032.6	56.2
260.0	258.8	8.390	8.363	33.970	26.411	27.590	26.407	165.5	7.395	90.8	1487.3	1105.2	35.7
270.0	268.7	8.210	8.183	33.988	26.452	27.678	26.448	161.7	7.559	90.9	1486.8	1179.5	60.3
280.0	278.6	7.954	7.926	34.002	26.501	27.774	26.497	157.1	7.719	90.8	1486.0	1255.4	36.5
290.0	288.6	7.825	7.797	34.005	26.522	27.841	26.518	155.2	7.875	90.8	1485.7	1332.8	34.4
300.0	298.5	7.699	7.670	34.006	26.542	27.907	26.538	153.4	8.029	90.7	1485.4	1411.8	8.3
310.0	308.4	7.520	7.490	34.013	26.573	27.985	26.569	150.5	8.182	90.6	1484.8	1492.3	16.8
320.0	318.4	7.446	7.415	34.018	26.588	28.045	26.583	149.3	8.332	90.5	1484.7	1574.3	25.6
330.0	328.3	7.282	7.251	34.024	26.616	28.120	26.611	146.7	8.480	90.5	1484.2	1657.8	13.0
340.0	338.2	7.185	7.153	34.027	26.631	28.181	26.626	145.3	8.626	90.3	1484.0	1742.7	29.3
350.0	348.2	6.999	6.966	34.032	26.661	28.258	26.656	142.5	8.770	90.2	1483.5	1829.1	23.5
360.0	358.1	6.872	6.838	34.033	26.679	28.323	26.674	140.8	8.911	89.9	1483.1	1916.8	13.5
370.0	368.0	6.796	6.762	34.035	26.691	28.381	26.687	139.8	9.052	89.8	1483.0	2006.0	14.9
380.0	377.9	6.707	6.673	34.041	26.708	28.444	26.703	138.3	9.191	89.7	1482.8	2096.5	18.7
390.0	387.9	6.540	6.505	34.044	26.733	28.516	26.728	136.0	9.328	89.4	1482.3	2188.4	31.9
400.0	397.8	6.395	6.359	34.053	26.758	28.589	26.754	133.5	9.463	89.3	1481.9	2281.7	24.8
410.0	407.7	6.245	6.209	34.059	26.783	28.660	26.778	131.3	9.595	89.2	1481.5	2376.2	12.5
420.0	417.6	6.141	6.104	34.064	26.800	28.724	26.795	129.7	9.726	89.1	1481.3	2472.1	22.4
430.0	427.6	6.028	5.990	34.073	26.821	28.792	26.816	127.7	9.855	89.0	1481.0	2569.3	16.0
440.0	437.5	5.934	5.896	34.078	26.837	28.855	26.833	126.2	9.982	89.0	1480.8	2667.7	15.4
450.0	447.4	5.848	5.810	34.077	26.847	28.911	26.843	125.3	10.108	89.0	1480.6	2767.4	13.9
460.0	457.3	5.813	5.773	34.086	26.859	28.969	26.854	124.3	10.233	89.1	1480.6	2868.3	13.3
470.0	467.3	5.754	5.715	34.097	26.874	29.031	26.869	122.9	10.356	89.2	1480.6	2970.4	12.7
480.0	477.2	5.706	5.666	34.111	26.892	29.094	26.887	121.3	10.478	89.4	1480.5	3073.7	20.9
490.0	487.1	5.601	5.560	34.121	26.913	29.162	26.907	119.4	10.599	89.4	1480.3	3178.3	15.4
500.0	497.0	5.501	5.459	34.130	26.932	29.228	26.927	117.6	10.717	89.7	1480.1	3284.0	19.7
510.0	506.9	5.422	5.380	34.140	26.949	29.292	26.944	116.0	10.834	89.8	1479.9	3390.8	19.4
520.0	516.8	5.394	5.351	34.143	26.955	29.344	26.950	115.5	10.950	90.1	1480.0	3498.9	10.4
530.0	526.8	5.327	5.283	34.157	26.975	29.410	26.969	113.7	11.064	90.2	1479.9	3608.0	1.9
540.0	536.7	5.300	5.256	34.164	26.983	29.465	26.978	113.0	11.178	90.4	1479.9	3718.3	15.6
550.0	546.6	5.265	5.220	34.176	26.996	29.524	26.991	111.8	11.290	90.3	1480.0	3829.7	3.3
560.0	556.5	5.206	5.160	34.195	27.019	29.593	27.013	109.8	11.401	90.5	1479.9	3942.2	32.9
570.0	566.4	5.175	5.129	34.204	27.030	29.650	27.024	108.8	11.510	90.5	1480.0	4055.8	2.5
580.0	576.3	5.165	5.118	34.228	27.049	29.715	27.044	107.1	11.618	90.5	1480.1	4170.4	4.2
590.0	586.3	5.132	5.084	34.229	27.054	29.766	27.049	106.7	11.725	90.5	1480.2	4286.1	5.1
600.0	596.2	5.119	5.070	34.244	27.068	29.825	27.062	105.5	11.832	90.6	1480.3	4402.9	22.7
610.0	606.1	5.081	5.032	34.248	27.075	29.879	27.070	104.9	11.937	90.6	1480.3	4520.7	3.4
620.0	616.0	5.059	5.009	34.258	27.086	29.936	27.081	103.9	12.041	90.6	1480.4	4639.5	25.3
630.0	625.9	4.949	4.899	34.270	27.108	30.005	27.102	101.9	12.144	90.6	1480.1	4759.4	20.6
640.0	635.8	4.955	4.904	34.280	27.116	30.059	27.110	101.2	12.246	90.5	1480.3	4880.2	15.1
650.0	645.7	4.933	4.881	34.292	27.128	30.117	27.122	100.2	12.347	90.6	1480.4	5002.1	6.0
660.0	655.6	4.904	4.851	34.305	27.141	30.176	27.135	99.0	12.446	90.6	1480.5	5124.9	25.9
670.0	665.5	4.851	4.798	34.315	27.155	30.236	27.149	97.7	12.545	90.6	1480.4	5248.7	15.1
680.0	675.4	4.810	4.756	34.323	27.167	30.294	27.160	96.7	12.642	90.5	1480.4	5373.5	5.4
690.0	685.3	4.776	4.721	34.329	27.175	30.349	27.169	96.0	12.738	90.6	1480.5	5499.2	1.9
700.0	695.3	4.775	4.719	34.336	27.181	30.400	27.175	95.5	12.834	90.6	1480.6	5625.9	22.1
710.0	705.2	4.698	4.642	34.347	27.198	30.465	27.192	93.8	12.928	90.6	1480.5	5753.5	12.4
720.0	715.1	4.666	4.609	34.361	27.213	30.525	27.206	92.6	13.021	90.5	1480.5	5882.0	7.2
730.0	725.0	4.611	4.554	34.368	27.224	30.583	27.218	91.5	13.114	90.6	1480.5	6011.4	8.3
740.0	734.9	4.591	4.533	34.374	27.231	30.637	27.225	90.9	13.205	90.6	1480.6	6141.8	6.6
750.0	744.8	4.568	4.510	34.380	27.239	30.690	27.232	90.3	13.295	90.6	1480.7	6273.0	4.3
760.0	754.7	4.541	4.482	34.389	27.249	30.746	27.242	89.4	13.385	90.6	1480.7	6405.1	4.8
770.0	764.6	4.519	4.459	34.392	27.254	30.797	27.247	89.0	13.474	90.6	1480.8	6538.1	6.6
780.0	774.5	4.486	4.426	34.397	27.261	30.851	27.255	88.3	13.563	90.5	1480.8	6672.0	5.7
790.0	784.4	4.455	4.393	34.400	27.267	30.903	27.260	87.8	13.651	90.6	1480.9	6806.7	7.2
800.0	794.3	4.422	4.360	34.408	27.277	30.959	27.271	86.9	13.738	90.6	1480.9	6942.3	5.2
810.0	804.2	4.399	4.337	34.411	27.283	31.011	27.276	86.5	13.825	90.6	1481.0	7078.8	-.4
820.0	814.1	4.354	4.291	34.412	27.288	31.063	27.281	86.0	13.911	90.6	1481.0	7216.1	3.4
830.0	824.0	4.363	4.299	34.423	27.296	31.116	27.289	85.4	13.997	90.6	1481.2	7354.2	7.2
840.0	833.9	4.339	4.274	34.428	27.303	31.169	27.296	84.8	14.082	90.6	1481.3	7493.2	7.5
850.0	843.8	4.306	4.240	34.432	27.309	31.222	27.302	84.2	14.167	90.6	1481.3	7633.0	9.6
860.0	853.7	4.285	4.219	34.438	27.316	31.275	27.309	83.6	14.250	90.6	1481.4	7773.6	9.3
870.0	863.6	4.256	4.189	34.441	27.322	31.327	27.315	83.1	14.334	90.6	1481.4	7915.1	4.6
880.0	873.5	4.169	4.102	34.437	27.327	31.380	27.320	82.5	14.417	90.6	1481.2	8057.3	8.4
890.0	883.4	4.153	4.085	34.442	27.333	31.431	27.326	82.0	14.499	90.5	1481.3	8200.4	6.6
900.0	893.3	4.131	4.063	34.450	27.342	31.487	27.335	81.2	14.580	90.6	1481.4	8344.3	7.5
910.0	903.2	4.116	4.047	34.456	27.349	31.539	27.342	80.7	14.661	90.5	1481.5	8489.0	8.1
920.0	913.1	4.091	4.022	34.461	27.355	31.591	27.347	80.2	14.742	90.6	1481.6	8634.5	4.0
930.0	923.0	4.049	3.979	34.463	27.361	31.644	27.354	79.6	14.822	90.5	1481.6	8780.7	13.4
940.0	932.8	4.012	3.941	34.466	27.368	31.697	27.360	79.0	14.901	90.6	1481.6	8927.8	5.8
950.0	942.7	3.973	3.902	34.468	27.374	31.749	27.366	78.4	14.979	90.6	1481.6	9075.6	11.0
960.0	952.6	3.945	3.873	34.476	27.382	31.804	27.375	77.6	15.057	90.6	1481.6	9224.1	2.9
970.0	962.5	3.932	3.859	34.478	27.385	31.854	27.378	77.4	15.135	90.6	1481.8	9373.5	2.9
980.0	972.4	3.903	3.829	34.481	27.391	31.906	27.384	76.9	15.212	90.6	1481.8	9523.6	5.2
990.0	982.3	3.877	3.803	34.484	27.396	31.957	27.389	76.4	15.289	90.6	1481.9	9674.4	3.7

Station 73 Latitude 32° 10.13'N Longitude 126° 27.39'W 30 Aug 1989 GMT 23:25 Bottom 4275 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.863	3.789	34.486	27.399	32.005	27.391	76.3	15.365	90.5	1482.0	9826.0	2.9
1020.0	1012.0	3.796	3.721	34.491	27.409	32.109	27.402	75.3	15.517	90.6	1482.0	10131.4	10.8
1040.0	1031.8	3.750	3.673	34.495	27.418	32.210	27.411	74.5	15.667	90.5	1482.2	10439.8	3.5
1060.0	1051.5	3.698	3.620	34.502	27.428	32.312	27.420	73.6	15.815	90.5	1482.3	10751.1	6.7
1080.0	1071.3	3.644	3.564	34.507	27.438	32.415	27.430	72.7	15.961	90.6	1482.4	11065.3	1.7
1100.0	1091.1	3.611	3.530	34.510	27.444	32.513	27.436	72.3	16.107	90.6	1482.6	11382.3	2.6
1120.0	1110.8	3.583	3.501	34.513	27.449	32.610	27.441	71.9	16.251	90.5	1482.8	11702.2	.3
1140.0	1130.6	3.539	3.456	34.516	27.455	32.709	27.448	71.3	16.394	90.5	1483.0	12024.8	1.5
1160.0	1150.4	3.492	3.407	34.520	27.463	32.808	27.455	70.6	16.536	90.5	1483.1	12350.3	5.3
1180.0	1170.2	3.457	3.371	34.523	27.469	32.907	27.461	70.1	16.677	90.5	1483.3	12678.5	3.5
1200.0	1189.9	3.405	3.317	34.526	27.477	33.007	27.469	69.4	16.817	90.5	1483.4	13009.4	9.4
1220.0	1209.7	3.354	3.266	34.530	27.486	33.108	27.477	68.6	16.954	90.5	1483.5	13343.1	.9
1240.0	1229.4	3.314	3.224	34.536	27.494	33.208	27.485	67.9	17.091	90.6	1483.7	13679.4	3.9
1260.0	1249.2	3.281	3.190	34.538	27.499	33.306	27.490	67.5	17.226	90.5	1483.9	14018.4	2.7
1280.0	1268.9	3.253	3.160	34.540	27.503	33.401	27.494	67.2	17.361	90.5	1484.1	14360.0	.4
1300.0	1288.7	3.218	3.125	34.543	27.509	33.499	27.500	66.7	17.495	90.5	1484.3	14704.3	.4
1320.0	1308.4	3.191	3.095	34.546	27.514	33.596	27.504	66.3	17.628	90.4	1484.5	15051.1	5.1
1340.0	1328.2	3.142	3.046	34.549	27.521	33.696	27.512	65.6	17.760	90.5	1484.6	15400.5	5.4
1360.0	1347.9	3.087	2.990	34.553	27.529	33.797	27.520	64.8	17.890	90.5	1484.7	15752.5	4.8
1380.0	1367.7	3.056	2.957	34.556	27.534	33.894	27.525	64.4	18.019	90.5	1484.9	16107.0	1.9
1400.0	1387.4	3.008	2.908	34.558	27.541	33.993	27.532	63.7	18.147	90.6	1485.1	16464.0	1.6
1420.0	1407.2	2.968	2.867	34.560	27.546	34.090	27.537	63.2	18.274	90.5	1485.2	16823.5	2.5
1440.0	1426.9	2.944	2.841	34.563	27.551	34.187	27.542	62.8	18.400	90.7	1485.5	17185.5	-.7
1460.0	1446.6	2.913	2.809	34.567	27.556	34.284	27.547	62.3	18.526	90.4	1485.7	17549.9	4.8
1480.0	1466.4	2.879	2.774	34.568	27.560	34.380	27.551	62.0	18.650	90.4	1485.8	17916.7	-1.0
1500.0	1486.1	2.854	2.747	34.570	27.565	34.477	27.556	61.6	18.774	90.5	1486.1	18285.9	3.4
1520.0	1505.8	2.821	2.713	34.573	27.570	34.574	27.561	61.1	18.896	90.4	1486.3	18657.6	1.7
1540.0	1525.6	2.789	2.680	34.575	27.574	34.670	27.565	60.7	19.018	90.4	1486.5	19031.6	3.7
1560.0	1545.3	2.752	2.642	34.578	27.580	34.768	27.571	60.2	19.139	90.5	1486.6	19407.9	2.3
1580.0	1565.0	2.711	2.599	34.581	27.586	34.866	27.577	59.6	19.259	90.4	1486.8	19786.6	3.2
1600.0	1584.7	2.687	2.574	34.582	27.589	34.961	27.580	59.3	19.378	90.4	1487.0	20167.7	1.4
1620.0	1604.5	2.663	2.549	34.584	27.593	35.056	27.583	59.0	19.496	90.4	1487.3	20551.0	3.2
1640.0	1624.2	2.627	2.512	34.586	27.598	35.153	27.588	58.5	19.614	90.5	1487.5	20936.6	2.3
1660.0	1643.9	2.590	2.474	34.589	27.603	35.250	27.593	58.0	19.730	90.5	1487.6	21324.5	2.6
1680.0	1663.6	2.564	2.446	34.591	27.608	35.346	27.598	57.6	19.846	90.5	1487.9	21714.6	1.5
1700.0	1683.3	2.534	2.415	34.593	27.612	35.442	27.602	57.2	19.961	90.4	1488.1	22107.0	-.3
1720.0	1703.0	2.511	2.390	34.596	27.616	35.538	27.606	56.8	20.075	90.4	1488.3	22501.5	1.5
1740.0	1722.8	2.481	2.360	34.598	27.620	35.633	27.610	56.5	20.188	90.4	1488.5	22898.3	2.1
1760.0	1742.4	2.442	2.319	34.599	27.625	35.730	27.614	56.0	20.301	90.4	1488.7	23297.3	.6
1780.0	1762.2	2.417	2.293	34.602	27.629	35.826	27.618	55.6	20.413	90.4	1488.9	23698.4	3.0
1800.0	1781.9	2.385	2.260	34.604	27.634	35.923	27.623	55.1	20.523	90.3	1489.1	24101.7	6.2
1820.0	1801.6	2.361	2.234	34.605	27.636	36.017	27.626	54.9	20.633	90.5	1489.3	24507.2	.7
1840.0	1821.3	2.321	2.193	34.608	27.642	36.115	27.632	54.3	20.742	90.5	1489.5	24914.7	1.8
1860.0	1841.0	2.302	2.172	34.610	27.646	36.209	27.635	54.0	20.851	90.4	1489.7	25324.4	1.6
1880.0	1860.7	2.287	2.156	34.612	27.648	36.303	27.637	53.8	20.958	90.4	1490.0	25736.1	3.0
1900.0	1880.3	2.263	2.130	34.614	27.652	36.398	27.642	53.4	21.066	90.4	1490.2	26149.9	1.9
1920.0	1900.0	2.240	2.106	34.616	27.656	36.493	27.645	53.1	21.172	90.5	1490.5	26565.8	1.6
1940.0	1919.7	2.230	2.095	34.618	27.658	36.586	27.647	52.9	21.278	90.4	1490.8	26983.7	3.4
1960.0	1939.4	2.204	2.067	34.620	27.662	36.682	27.651	52.5	21.384	90.4	1491.0	27403.7	4.9
1980.0	1959.1	2.187	2.049	34.622	27.665	36.776	27.654	52.3	21.489	90.4	1491.3	27825.7	.5
2000.0	1978.8	2.170	2.031	34.623	27.668	36.869	27.656	52.0	21.593	90.4	1491.5	28249.7	5.2
2050.0	2028.0	2.118	1.975	34.628	27.675	37.105	27.664	51.3	21.851	90.4	1492.2	29318.6	1.1
2100.0	2077.2	2.086	1.939	34.631	27.681	37.336	27.669	50.9	22.107	90.4	1492.9	30399.8	2.3
2150.0	2126.4	2.038	1.888	34.634	27.687	37.570	27.675	50.3	22.360	90.4	1493.5	31493.2	2.7
2200.0	2175.5	1.990	1.836	34.638	27.694	37.805	27.683	49.6	22.609	90.4	1494.1	32598.8	1.5
2250.0	2224.7	1.944	1.786	34.639	27.699	38.037	27.687	49.1	22.856	90.5	1494.8	33716.3	-.2
2300.0	2273.8	1.914	1.753	34.643	27.705	38.268	27.692	48.7	23.100	90.4	1495.5	34845.6	1.6
2350.0	2323.0	1.881	1.716	34.645	27.709	38.498	27.697	48.2	23.342	90.4	1496.2	35986.5	1.9
2400.0	2372.1	1.852	1.683	34.649	27.715	38.729	27.702	47.8	23.583	90.5	1496.9	37139.1	.8
2450.0	2421.2	1.827	1.655	34.651	27.718	38.958	27.705	47.5	23.821	90.4	1497.6	38303.1	.6
2500.0	2470.3	1.802	1.625	34.653	27.722	39.187	27.709	47.2	24.058	90.5	1498.4	39478.5	1.8
2550.0	2519.4	1.781	1.600	34.655	27.726	39.415	27.712	47.0	24.293	90.4	1499.1	40665.3	-.2
2600.0	2568.5	1.755	1.570	34.657	27.730	39.643	27.716	46.7	24.527	90.5	1499.9	41863.3	.4
2650.0	2617.6	1.728	1.539	34.660	27.735	39.872	27.721	46.2	24.759	90.4	1500.6	43072.4	1.6
2700.0	2666.6	1.701	1.507	34.662	27.738	40.101	27.724	45.9	24.989	90.4	1501.3	44292.6	-.4
2750.0	2715.6	1.684	1.487	34.663	27.741	40.327	27.727	45.7	25.218	90.4	1502.1	45523.8	.8
2800.0	2764.7	1.665	1.463	34.665	27.744	40.553	27.729	45.5	25.446	90.4	1502.9	46765.9	1.7
2850.0	2813.7	1.648	1.442	34.667	27.747	40.779	27.732	45.3	25.674	90.4	1503.6	48018.9	1.8
2900.0	2862.7	1.634	1.424	34.669	27.750	41.004	27.735	45.2	25.900	90.4	1504.4	49282.7	-.5
2950.0	2911.7	1.625	1.410	34.670	27.751	41.228	27.736	45.1	26.125	90.4	1505.2	50557.3	.7
3000.0	2960.7	1.612	1.392	34.671	27.754	41.452	27.738	45.0	26.351	90.5	1506.0	51842.6	-.4
3050.0	3009.7	1.596	1.372	34.672	27.757	41.677	27.740	44.8	26.575	90.4	1506.8	53138.7	1.1
3100.0	3058.6	1.584	1.355	34.673	27.758	41.901	27.742	44.7	26.799	90.4	1507.6	54445.5	1.1
3150.0	3107.6	1.570	1.337	34.675	27.761	42.125	27.744	44.5	27.022	90.4	1508.4	55762.9	-.6
3200.0	3156.5	1.555	1.318	34.678	27.764	42.349	27.747	44.3	27.244	90.3	1509.2	57090.9	-.8
3250.0	3205.5	1.549	1.306	34.678	27.766	42.571	27.748	44.3	27.466	90.3	1510.0	58429.5	1.0
3300.0	3254.4	1.544	1.296	34.679	27.767	42.793	27.749	44.3	27.688	90.4	1510.9	59778.6	.1
3350.0	3303.3	1.537	1.285	34.680	27.769	43.014	27.750	44.3	27.909	90.4	1511.7	61138.2	-.1
3400.0	3352.2	1.524	1.267	34.681	27.771	43.237	27.753	44.2	28.131	90.3	1512.5	62508.4	1.7
3450.0	3401.1	1.514	1.252	34.683	27.774	43.460	27.755	44.0	28.351	90.3	1513.3	63889.1	1.1
3500.0	3450.0	1.509	1.242	34.684	27.775	43.681	27.756	44.0	28.571	90.4	1514.1	65280.2	.6
3550.0	3498.8	1.504	1.232	34.685	27.776	43.901	27.757	44.1	28.791	90.4	1515.0	66681.8	-.2
3600.0	3547.7	1.500	1.223	34.686	27.778	44.121	27.758	44.0	29.011	90.3	1515.8	68093.8	-.5
3650.0	3596.5	1.500	1.218	34.687	27.779	44.340	27.759	44.1	29.232	90.4	1516.7	69516.3	.5
3700.0	3645.4	1.499	1.212	34.687	27.780	44.559	27.760	44.2	29.453	90.3	1517.5	70949.2	-.4
3750.0	3694.2	1.496	1.204	34.688	27.781	44.778	27.760	44.2	29.674	90.3	1518.4	72392.6	.8
3800.0	3743.0	1.495	1.197	34.689	27.782	44.997	27.761	44.2	29.895	90.4	1519.2	73846.4	-.3
3850.0	3791.8	1.495	1.192	34.689	27.783	45.215	27.761	44.4	30.116	90.4	1520.1	75310.8	.9
3900.0	3840.6	1.498	1.189	34.690	27.783	45.432	27.761	44.5	30.338	90.3	1520.9	76785.6	-.8
3950.0	3889.4	1.499	1.185	34.690	27.784	45.650	27.762	44.6	30.561	90.3	1521.8	78271.0	-.1
4000.0	3938.2	1.500	1.181	34.691	27.785	45.867	27.762	44.7	30.785	90.4	1522.7	79766.9	.5
4050.0	3986.9	1.503	1.178	34.691	27.785	46.083	27.763	44.9	31.009	90.3	1523.6	81273.4	1.1
4100.0	4035.7	1.506	1.176	34.691	27.785	46.299	27.762	45.1	31.234	90.2	1524.4	82790.6	.6
4150.0	4084.4	1.509	1.173	34.692	27.786	46.515	27.762	45.2	31.459	90.3	1525.3	84318.4	-.8
4200.0	4133.1	1.513	1.171	34.692	27.786	46.730	27.762	45.4	31.686	90.3	1526.2	85856.8	.4
4250.0	4181.9	1.516	1.169	34.692	27.786	46.945	27.762	45.6	31.914	90.3	1527.1	87406.0	-1.3
4300.6	4230.6	1.520	1.167	34.692	27.787	47.160	27.762	45.8	32.142	90.2	1527.9	88966.0	-.7
4322.0	4252.0	1.523	1.167	34.692	27.787	47.254	27.761	45.9	32.243	90.2	1528.3	89655.8	.0

Station 74 Latitude 32° 23.03'N Longitude 126° 20.39'W 31 Aug 1989 GMT 03:04 Bottom 4225 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.184	19.184	33.528	23.851	23.851	23.851	404.3	.000	89.8	1518.1	.0	.0
10.0	10.0	19.175	19.173	33.534	23.858	23.902	23.858	403.9	.404	89.8	1518.3	2.0	57.3
20.0	19.9	19.142	19.139	33.573	23.897	23.984	23.896	400.6	.805	89.8	1518.4	8.0	13.0
30.0	29.9	19.218	19.213	33.626	23.918	24.049	23.917	398.9	1.206	89.8	1518.8	18.1	66.5
40.0	39.9	19.235	19.228	33.672	23.949	24.123	23.948	396.3	1.603	89.9	1519.1	32.1	21.1
50.0	49.8	19.070	19.061	33.677	23.996	24.213	23.994	392.2	1.998	89.8	1518.8	50.0	75.2
60.0	59.8	17.499	17.489	33.607	24.330	24.592	24.328	360.6	2.383	89.8	1514.3	71.9	805.8
70.0	69.8	15.880	15.870	33.538	24.654	24.961	24.651	330.0	2.724	89.8	1509.5	97.3	220.5
80.0	79.7	15.800	15.787	33.691	24.789	25.141	24.787	317.3	3.047	89.8	1509.6	126.1	48.1
90.0	89.7	15.294	15.280	33.645	24.867	25.264	24.864	310.2	3.362	89.9	1508.1	158.0	149.9
100.0	99.7	14.289	14.274	33.507	24.977	25.420	24.974	299.8	3.667	89.9	1504.9	193.0	99.9
110.0	109.6	13.416	13.401	33.377	25.057	25.545	25.054	292.4	3.964	89.8	1502.0	231.0	71.1
120.0	119.6	12.769	12.753	33.313	25.135	25.669	25.132	285.1	4.253	90.1	1499.9	271.9	76.8
130.0	129.5	12.003	11.987	33.241	25.227	25.807	25.223	276.4	4.535	90.4	1497.4	315.6	35.4
140.0	139.5	12.275	12.257	33.437	25.327	25.952	25.323	267.2	4.807	90.6	1498.7	362.1	111.3
150.0	149.4	12.330	12.311	33.560	25.413	26.081	25.409	259.4	5.070	90.6	1499.2	411.3	50.4
160.0	159.4	11.785	11.764	33.594	25.542	26.257	25.538	247.2	5.323	90.8	1497.5	463.0	85.5
170.0	169.3	11.263	11.242	33.569	25.618	26.380	25.615	240.0	5.566	90.7	1495.9	517.1	148.9
180.0	179.3	10.557	10.536	33.597	25.765	26.574	25.761	226.1	5.797	90.8	1493.5	573.6	41.9
190.0	189.2	10.478	10.456	33.656	25.825	26.679	25.821	220.6	6.020	90.8	1493.5	632.4	28.4
200.0	199.1	10.172	10.149	33.698	25.910	26.810	25.906	212.6	6.238	90.9	1492.6	693.3	144.0
210.0	209.1	9.642	9.619	33.768	26.054	27.002	26.050	198.9	6.443	90.8	1490.9	756.4	51.1
220.0	219.0	9.258	9.234	33.840	26.173	27.167	26.169	187.7	6.639	90.9	1489.7	821.4	198.1
230.0	229.0	8.885	8.861	33.893	26.274	27.315	26.270	178.2	6.821	90.8	1488.6	888.3	86.7
240.0	238.9	8.649	8.624	33.937	26.344	27.432	26.341	171.6	6.995	90.8	1487.9	956.9	60.6
250.0	248.8	8.478	8.453	33.967	26.395	27.528	26.391	166.9	7.165	90.8	1487.5	1027.3	33.1
260.0	258.8	8.377	8.351	33.976	26.418	27.597	26.414	164.9	7.331	90.8	1487.3	1099.3	17.8
270.0	268.7	8.248	8.220	33.987	26.446	27.671	26.441	162.4	7.494	90.8	1486.9	1172.9	12.8
280.0	278.6	8.092	8.064	33.992	26.473	27.744	26.468	159.9	7.655	90.8	1486.5	1248.2	-1.5
290.0	288.6	7.926	7.897	33.998	26.502	27.820	26.498	157.2	7.814	90.8	1486.1	1325.0	55.5
300.0	298.5	7.843	7.813	33.997	26.514	27.878	26.510	156.2	7.971	90.8	1485.9	1403.4	54.1
310.0	308.4	7.603	7.573	33.993	26.545	27.956	26.541	153.2	8.125	90.7	1485.1	1483.3	11.3
320.0	318.4	7.460	7.430	33.993	26.566	28.023	26.562	151.3	8.277	90.7	1484.7	1564.8	17.4
330.0	328.3	7.337	7.305	33.995	26.585	28.088	26.580	149.6	8.427	90.7	1484.4	1647.7	15.6
340.0	338.2	7.135	7.103	33.993	26.611	28.163	26.607	147.1	8.576	90.7	1483.8	1732.1	12.3
350.0	348.1	7.022	6.989	33.998	26.631	28.228	26.626	145.3	8.722	90.6	1483.5	1818.0	15.3
360.0	358.1	6.935	6.902	34.004	26.647	28.291	26.643	143.8	8.867	90.6	1483.3	1905.3	32.2
370.0	368.0	6.724	6.690	33.989	26.664	28.355	26.660	142.3	9.010	90.7	1482.7	1994.0	9.4
380.0	377.9	6.645	6.611	33.991	26.677	28.413	26.672	141.2	9.152	90.6	1482.5	2084.2	23.7
390.0	387.9	6.513	6.478	33.994	26.697	28.481	26.692	139.3	9.292	90.6	1482.2	2175.7	19.6
400.0	397.8	6.459	6.424	34.015	26.721	28.550	26.716	137.2	9.430	90.6	1482.1	2268.6	21.6
410.0	407.7	6.311	6.275	34.017	26.741	28.618	26.736	135.2	9.566	90.5	1481.7	2362.9	23.6
420.0	417.6	6.408	6.370	34.053	26.757	28.679	26.753	133.9	9.700	90.5	1482.3	2458.5	14.6
430.0	427.5	6.335	6.297	34.064	26.776	28.743	26.771	132.3	9.834	90.4	1482.2	2555.4	17.5
440.0	437.5	6.259	6.220	34.082	26.799	28.813	26.794	130.1	9.965	90.4	1482.1	2653.6	26.3
450.0	447.4	6.111	6.072	34.074	26.812	28.873	26.807	128.9	10.094	90.5	1481.6	2753.1	7.2
460.0	457.3	5.992	5.952	34.077	26.830	28.938	26.825	127.2	10.222	90.5	1481.3	2853.9	12.2
470.0	467.2	5.673	5.633	34.051	26.849	29.006	26.844	125.2	10.348	90.5	1480.2	2955.9	13.0
480.0	477.2	5.499	5.459	34.051	26.870	29.075	26.865	123.2	10.472	90.5	1479.6	3059.2	19.1
490.0	487.1	5.392	5.352	34.054	26.884	29.136	26.879	121.8	10.595	90.5	1479.4	3163.7	13.0
500.0	497.0	5.310	5.269	34.061	26.899	29.198	26.895	120.4	10.716	90.5	1479.2	3269.4	15.3
510.0	506.9	5.266	5.224	34.069	26.911	29.256	26.906	119.4	10.836	90.5	1479.2	3376.3	27.6
520.0	516.8	5.172	5.130	34.081	26.931	29.323	26.927	117.4	10.954	90.5	1479.0	3484.3	20.9
530.0	526.8	5.121	5.078	34.093	26.947	29.385	26.942	116.0	11.071	90.6	1479.0	3593.5	11.2
540.0	536.7	5.067	5.023	34.102	26.961	29.446	26.956	114.8	11.186	90.6	1478.9	3703.9	13.2
550.0	546.6	4.992	4.949	34.111	26.976	29.508	26.971	113.4	11.300	90.5	1478.8	3815.4	16.7
560.0	556.5	4.954	4.910	34.113	26.982	29.560	26.977	112.8	11.413	90.5	1478.8	3928.0	7.1
570.0	566.4	4.914	4.869	34.122	26.994	29.618	26.989	111.8	11.526	90.5	1478.8	4041.7	16.2
580.0	576.3	4.807	4.762	34.129	27.012	29.683	27.007	110.1	11.637	90.6	1478.5	4156.5	15.0
590.0	586.2	4.748	4.702	34.145	27.031	29.749	27.025	108.3	11.746	90.5	1478.5	4272.4	23.7
600.0	596.2	4.697	4.650	34.158	27.047	29.811	27.042	106.9	11.854	90.5	1478.4	4389.4	13.5
610.0	606.1	4.726	4.678	34.183	27.064	29.874	27.059	105.4	11.960	90.5	1478.8	4507.4	27.3
620.0	616.0	4.660	4.612	34.192	27.079	29.935	27.073	104.0	12.064	90.5	1478.7	4626.5	9.1
630.0	625.9	4.639	4.590	34.204	27.090	29.993	27.085	103.0	12.168	90.5	1478.8	4746.5	8.5
640.0	635.8	4.601	4.551	34.214	27.103	30.052	27.097	101.9	12.270	90.5	1478.8	4867.6	10.6
650.0	645.7	4.558	4.508	34.221	27.113	30.108	27.107	101.0	12.372	90.5	1478.8	4989.7	2.1
660.0	655.6	4.560	4.509	34.231	27.121	30.162	27.115	100.3	12.472	90.5	1479.0	5112.8	5.3
670.0	665.5	4.540	4.488	34.244	27.133	30.220	27.127	99.3	12.572	90.5	1479.0	5236.9	18.2
680.0	675.4	4.524	4.472	34.257	27.145	30.278	27.139	98.2	12.671	90.5	1479.2	5362.0	20.6
690.0	685.3	4.511	4.458	34.277	27.163	30.342	27.157	96.6	12.768	90.5	1479.3	5488.0	15.6
700.0	695.2	4.510	4.456	34.290	27.173	30.398	27.168	95.8	12.865	90.5	1479.5	5615.0	10.6
710.0	705.2	4.494	4.440	34.295	27.179	30.449	27.173	95.3	12.960	90.5	1479.6	5742.9	7.4
720.0	715.0	4.506	4.451	34.310	27.190	30.506	27.184	94.4	13.055	90.5	1479.8	5871.7	7.4
730.0	725.0	4.501	4.444	34.324	27.201	30.563	27.195	93.4	13.149	90.5	1480.0	6001.5	7.7
740.0	734.9	4.510	4.453	34.336	27.210	30.617	27.204	92.8	13.242	90.5	1480.2	6132.2	7.5
750.0	744.8	4.460	4.402	34.345	27.223	30.677	27.217	91.5	13.334	90.5	1480.2	6263.8	15.9
760.0	754.7	4.422	4.364	34.348	27.229	30.729	27.223	91.0	13.425	90.5	1480.2	6396.3	10.4
770.0	764.6	4.413	4.354	34.359	27.239	30.785	27.233	90.2	13.516	90.4	1480.3	6529.7	1.0
780.0	774.5	4.390	4.330	34.363	27.245	30.837	27.238	89.7	13.606	90.4	1480.4	6664.0	5.7
790.0	784.4	4.357	4.296	34.368	27.252	30.890	27.246	89.0	13.695	90.5	1480.4	6799.1	5.4
800.0	794.3	4.309	4.248	34.368	27.257	30.942	27.251	88.6	13.784	90.5	1480.4	6935.2	6.3
810.0	804.2	4.287	4.225	34.373	27.263	30.994	27.257	88.0	13.872	90.5	1480.5	7072.1	9.8
820.0	814.1	4.257	4.194	34.379	27.272	31.049	27.265	87.3	13.960	90.4	1480.5	7209.9	6.9
830.0	824.0	4.252	4.189	34.384	27.277	31.099	27.270	86.9	14.047	90.5	1480.7	7348.5	6.6
840.0	833.9	4.199	4.135	34.390	27.287	31.156	27.280	86.0	14.133	90.5	1480.6	7488.0	7.2
850.0	843.8	4.182	4.118	34.395	27.292	31.208	27.286	85.5	14.219	90.4	1480.7	7628.3	7.5
860.0	853.7	4.145	4.080	34.402	27.302	31.264	27.295	84.6	14.304	90.5	1480.7	7769.4	8.1
870.0	863.6	4.125	4.059	34.407	27.309	31.317	27.302	84.0	14.388	90.5	1480.8	7911.4	7.5
880.0	873.5	4.095	4.029	34.413	27.316	31.371	27.309	83.4	14.472	90.5	1480.9	8054.3	9.2
890.0	883.4	4.076	4.009	34.420	27.323	31.424	27.317	82.7	14.555	90.5	1481.0	8197.9	6.9
900.0	893.3	4.059	3.991	34.424	27.329	31.475	27.322	82.3	14.638	90.5	1481.1	8342.3	2.5
910.0	903.2	4.047	3.978	34.428	27.333	31.525	27.326	82.0	14.720	90.5	1481.2	8487.6	4.6
920.0	913.0	4.035	3.965	34.434	27.339	31.577	27.332	81.5	14.802	90.5	1481.3	8633.6	5.8
930.0	923.0	3.987	3.917	34.439	27.348	31.633	27.341	80.6	14.883	90.4	1481.3	8780.5	15.7
940.0	932.8	3.963	3.893	34.446	27.356	31.687	27.349	79.9	14.963	90.5	1481.4	8928.1	7.8
950.0	942.7	3.941	3.870	34.453	27.364	31.741	27.357	79.2	15.042	90.4	1481.4	9076.6	7.8
960.0	952.6	3.914	3.843	34.460	27.373	31.796	27.366	78.4	15.121	90.5	1481.5	9225.8	5.8
970.0	962.5	3.889	3.816	34.464	27.379	31.848	27.372	77.9	15.199	90.5	1481.6	9375.7	6.7
980.0	972.4	3.846	3.773	34.467	27.386	31.902	27.378	77.3	15.277	90.5	1481.5	9526.5	8.7
990.0	982.3	3.838	3.765	34.472	27.390	31.952	27.383	76.9	15.354	90.4	1481.7	9678.0	3.1

Station 74 Latitude 32° 23.03'N Longitude 126° 20.39'W 31 Aug 1989 GMT 03:04 Bottom 4225 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.815	3.741	34.475	27.395	32.003	27.388	76.5	15.431	90.5	1481.8	9830.2	7.0
1020.0	1012.0	3.760	3.685	34.478	27.403	32.103	27.395	75.8	15.583	90.5	1481.9	10136.9	4.0
1040.0	1031.8	3.723	3.646	34.485	27.412	32.205	27.404	75.0	15.734	90.5	1482.0	10446.6	6.4
1060.0	1051.5	3.678	3.600	34.491	27.422	32.307	27.414	74.2	15.883	90.4	1482.2	10759.2	2.6
1080.0	1071.3	3.652	3.572	34.496	27.429	32.405	27.421	73.6	16.031	90.4	1482.4	11074.8	8.5
1100.0	1091.1	3.583	3.503	34.502	27.440	32.509	27.432	72.6	16.177	90.4	1482.5	11393.2	9.1
1120.0	1110.8	3.538	3.456	34.507	27.448	32.610	27.440	71.8	16.321	90.5	1482.6	11714.4	7.3
1140.0	1130.6	3.500	3.416	34.510	27.455	32.709	27.447	71.3	16.464	90.4	1482.8	12038.5	1.7
1160.0	1150.4	3.453	3.369	34.515	27.463	32.810	27.455	70.5	16.606	90.4	1482.9	12365.3	4.7
1180.0	1170.1	3.418	3.332	34.518	27.469	32.908	27.461	70.0	16.747	90.4	1483.1	12694.9	5.3
1200.0	1189.9	3.368	3.281	34.524	27.479	33.010	27.471	69.2	16.886	90.4	1483.2	13027.2	6.5
1220.0	1209.7	3.319	3.230	34.528	27.487	33.111	27.479	68.4	17.024	90.4	1483.4	13362.2	6.8
1240.0	1229.4	3.287	3.197	34.529	27.491	33.207	27.483	68.0	17.160	90.4	1483.6	13699.9	5.0
1260.0	1249.2	3.243	3.153	34.532	27.498	33.306	27.489	67.5	17.296	90.4	1483.7	14040.3	2.1
1280.0	1268.9	3.194	3.102	34.536	27.506	33.406	27.497	66.8	17.430	90.4	1483.8	14383.3	1.8
1300.0	1288.7	3.154	3.061	34.539	27.511	33.504	27.503	66.2	17.563	90.4	1484.0	14728.8	2.1
1320.0	1308.4	3.123	3.029	34.541	27.516	33.601	27.508	65.8	17.695	90.4	1484.2	15077.0	10.0
1340.0	1328.2	3.078	2.983	34.544	27.523	33.700	27.514	65.2	17.826	90.4	1484.3	15427.7	2.1
1360.0	1347.9	3.037	2.940	34.548	27.530	33.799	27.521	64.5	17.956	90.4	1484.5	15781.0	8.3
1380.0	1367.7	2.998	2.900	34.551	27.536	33.897	27.527	64.0	18.084	90.4	1484.7	16136.8	2.4
1400.0	1387.4	2.958	2.859	34.554	27.542	33.996	27.533	63.4	18.212	90.4	1484.8	16495.1	-.8
1420.0	1407.1	2.928	2.827	34.556	27.546	34.092	27.537	63.1	18.338	90.5	1485.0	16855.8	2.5
1440.0	1426.9	2.886	2.784	34.559	27.553	34.190	27.543	62.5	18.463	90.4	1485.2	17219.0	1.3
1460.0	1446.6	2.853	2.750	34.562	27.558	34.288	27.549	62.0	18.588	90.4	1485.4	17584.6	1.3
1480.0	1466.3	2.829	2.724	34.564	27.562	34.384	27.553	61.6	18.712	90.4	1485.6	17952.7	4.0
1500.0	1486.1	2.802	2.697	34.566	27.566	34.479	27.556	61.3	18.834	90.4	1485.8	18323.1	1.6
1520.0	1505.8	2.766	2.658	34.569	27.572	34.577	27.562	60.8	18.956	90.4	1486.0	18695.9	.5
1540.0	1525.5	2.734	2.626	34.573	27.577	34.675	27.568	60.2	19.077	90.4	1486.2	19071.1	2.8
1560.0	1545.3	2.709	2.600	34.574	27.581	34.770	27.571	59.9	19.198	90.4	1486.5	19448.6	2.5
1580.0	1565.0	2.671	2.561	34.578	27.587	34.869	27.578	59.3	19.317	90.4	1486.6	19828.4	3.1
1600.0	1584.7	2.649	2.536	34.579	27.590	34.964	27.581	59.1	19.435	90.4	1486.9	20210.6	1.4
1620.0	1604.4	2.624	2.510	34.582	27.595	35.059	27.585	58.7	19.553	90.4	1487.1	20595.0	.5
1640.0	1624.2	2.593	2.478	34.584	27.599	35.156	27.590	58.3	19.670	90.5	1487.3	20981.7	3.5
1660.0	1643.9	2.559	2.443	34.587	27.604	35.253	27.594	57.8	19.786	90.4	1487.5	21370.7	2.6
1680.0	1663.6	2.530	2.412	34.589	27.608	35.348	27.598	57.4	19.901	90.4	1487.7	21761.9	1.7
1700.0	1683.3	2.500	2.381	34.591	27.613	35.445	27.603	56.9	20.016	90.4	1487.9	22155.4	3.8
1720.0	1703.0	2.468	2.348	34.595	27.619	35.542	27.609	56.4	20.129	90.3	1488.1	22551.0	5.6
1740.0	1722.7	2.446	2.325	34.596	27.621	35.637	27.611	56.2	20.242	90.4	1488.3	22948.8	1.2
1760.0	1742.4	2.418	2.296	34.597	27.625	35.732	27.615	55.9	20.354	90.3	1488.6	23348.9	2.4
1780.0	1762.1	2.378	2.254	34.600	27.631	35.830	27.621	55.3	20.465	90.4	1488.7	23751.0	1.8
1800.0	1781.8	2.346	2.221	34.602	27.635	35.926	27.625	54.8	20.575	90.4	1488.9	24155.3	2.4
1820.0	1801.5	2.324	2.197	34.603	27.638	36.020	27.627	54.6	20.684	90.4	1489.2	24561.8	.7
1840.0	1821.2	2.289	2.162	34.605	27.643	36.117	27.632	54.1	20.793	90.4	1489.3	24970.3	1.8
1860.0	1840.9	2.263	2.134	34.608	27.646	36.212	27.636	53.7	20.901	90.4	1489.6	25381.0	1.0
1880.0	1860.6	2.239	2.109	34.609	27.650	36.308	27.640	53.3	21.008	90.4	1489.8	25793.7	2.7
1900.0	1880.3	2.206	2.075	34.612	27.655	36.404	27.644	52.9	21.114	90.4	1490.0	26208.4	2.2
1920.0	1900.0	2.189	2.056	34.614	27.658	36.499	27.648	52.6	21.219	90.4	1490.3	26625.3	3.1
1940.0	1919.7	2.168	2.034	34.616	27.661	36.592	27.650	52.3	21.324	90.4	1490.5	27044.1	3.1
1960.0	1939.4	2.145	2.010	34.618	27.665	36.688	27.654	52.0	21.429	90.4	1490.7	27465.0	3.7
1980.0	1959.1	2.123	1.986	34.620	27.668	36.782	27.657	51.6	21.532	90.4	1491.0	27887.8	1.1
2000.0	1978.8	2.108	1.969	34.622	27.671	36.876	27.660	51.4	21.635	90.3	1491.3	28312.7	3.4
2050.0	2028.0	2.071	1.929	34.626	27.678	37.110	27.666	50.9	21.891	90.3	1491.9	29383.5	2.0
2100.0	2077.2	2.038	1.892	34.630	27.684	37.342	27.672	50.3	22.144	90.3	1492.6	30466.6	-.6
2150.0	2126.3	2.003	1.853	34.634	27.690	37.575	27.678	49.8	22.395	90.3	1493.3	31561.8	.3
2200.0	2175.5	1.970	1.816	34.638	27.696	37.807	27.684	49.3	22.642	90.4	1494.0	32669.0	1.8
2250.0	2224.7	1.932	1.775	34.641	27.702	38.040	27.690	48.8	22.888	90.3	1494.7	33788.1	1.6
2300.0	2273.8	1.908	1.747	34.645	27.707	38.271	27.695	48.4	23.131	90.4	1495.5	34918.9	3.1
2350.0	2322.9	1.868	1.703	34.647	27.712	38.501	27.699	48.0	23.372	90.4	1496.1	36061.3	1.6
2400.0	2372.1	1.844	1.675	34.649	27.716	38.731	27.703	47.7	23.611	90.4	1496.9	37215.2	1.7
2450.0	2421.2	1.826	1.653	34.651	27.718	38.958	27.705	47.5	23.849	90.4	1497.6	38380.6	1.4
2500.0	2470.3	1.800	1.623	34.653	27.723	39.187	27.710	47.2	24.086	90.4	1498.4	39557.4	.3
2550.0	2519.4	1.773	1.592	34.655	27.727	39.416	27.713	46.8	24.321	90.4	1499.1	40745.6	2.1
2600.0	2568.4	1.754	1.569	34.658	27.730	39.644	27.717	46.6	24.554	90.4	1499.9	41944.9	-1.7
2650.0	2617.5	1.730	1.541	34.660	27.734	39.872	27.720	46.3	24.787	90.4	1500.6	43155.3	.7
2700.0	2666.6	1.711	1.518	34.661	27.737	40.098	27.722	46.1	25.018	90.3	1501.4	44376.9	.5
2750.0	2715.6	1.688	1.490	34.663	27.740	40.326	27.726	45.8	25.247	90.4	1502.1	45609.5	2.3
2800.0	2764.6	1.677	1.475	34.664	27.743	40.550	27.728	45.7	25.476	90.4	1502.9	46853.0	.3
2850.0	2813.6	1.653	1.446	34.666	27.746	40.777	27.731	45.5	25.704	90.4	1503.7	48107.4	2.1
2900.0	2862.7	1.639	1.428	34.667	27.748	41.002	27.733	45.3	25.931	90.4	1504.5	49372.8	.1
2950.0	2911.7	1.624	1.409	34.669	27.751	41.227	27.735	45.2	26.157	90.4	1505.2	50648.9	.4
3000.0	2960.6	1.614	1.395	34.670	27.753	41.451	27.737	45.1	26.383	90.3	1506.0	51935.8	.2
3050.0	3009.6	1.602	1.378	34.671	27.755	41.675	27.739	45.0	26.608	90.3	1506.8	53233.4	1.1

Station 75 Latitude 32° 36.51'N Longitude 126° 11.63'W 31 Aug 1989 GMT 06:21 Bottom 4350 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	18.640	18.640	33.294	23.809	23.809	23.809	408.3	.000	89.8	1516.3	.0	.0
10.0	10.0	18.645	18.643	33.293	23.807	23.851	23.807	408.7	.408	89.8	1516.5	2.0	-1.6
20.0	19.9	18.643	18.640	33.293	23.809	23.896	23.808	409.0	.817	89.8	1516.6	8.1	.3
30.0	29.9	18.331	18.326	33.217	23.828	23.959	23.827	407.4	1.225	89.7	1515.8	18.3	6.3
40.0	39.9	18.078	18.071	33.473	24.087	24.261	24.085	383.1	1.625	89.6	1515.5	32.6	373.1
50.0	49.8	16.571	16.563	33.448	24.426	24.645	24.424	351.0	1.992	89.7	1511.2	50.6	288.9
60.0	59.8	15.932	15.922	33.545	24.647	24.910	24.645	330.3	2.333	89.8	1509.5	72.2	232.8
70.0	69.8	15.415	15.405	33.595	24.801	25.109	24.799	315.9	2.655	90.0	1508.1	97.0	179.8
80.0	79.7	14.697	14.686	33.519	24.899	25.252	24.896	306.8	2.965	90.0	1505.9	125.0	45.2
90.0	89.7	13.314	13.302	33.255	24.981	25.382	24.979	299.0	3.267	89.8	1501.2	156.0	79.2
100.0	99.6	12.195	12.182	33.144	25.114	25.560	25.111	286.5	3.560	90.1	1497.4	190.0	108.3
110.0	109.6	11.820	11.806	33.148	25.187	25.680	25.185	279.6	3.843	90.3	1496.3	226.9	100.9
120.0	119.5	11.605	11.590	33.214	25.279	25.816	25.276	271.1	4.119	90.4	1495.8	266.5	134.3
130.0	129.5	11.260	11.244	33.276	25.389	25.973	25.387	260.7	4.384	90.6	1494.8	308.8	100.5
140.0	139.4	10.843	10.826	33.347	25.519	26.148	25.517	248.5	4.638	90.7	1493.6	353.7	72.4
150.0	149.4	10.423	10.405	33.386	25.623	26.298	25.620	238.8	4.881	90.7	1492.3	401.1	67.9
160.0	159.3	9.913	9.895	33.431	25.744	26.466	25.742	227.3	5.114	90.9	1490.7	450.8	167.9
170.0	169.3	9.571	9.552	33.504	25.858	26.626	25.855	216.6	5.335	90.8	1489.7	502.8	34.1
180.0	179.2	9.297	9.278	33.609	25.985	26.799	25.982	204.7	5.547	90.7	1488.9	556.9	116.9
190.0	189.2	9.302	9.281	33.722	26.073	26.932	26.070	196.6	5.747	90.8	1489.3	613.0	57.8
200.0	199.1	9.115	9.094	33.775	26.145	27.049	26.141	189.9	5.941	90.7	1488.8	671.1	61.3
210.0	209.1	8.708	8.686	33.847	26.265	27.217	26.261	178.6	6.125	90.8	1487.5	731.1	77.6
220.0	219.0	8.585	8.563	33.911	26.334	27.331	26.330	172.2	6.300	90.7	1487.3	792.8	36.6
230.0	228.9	8.498	8.475	33.929	26.362	27.405	26.358	169.7	6.471	90.7	1487.2	856.3	59.7
240.0	238.9	8.319	8.294	33.948	26.404	27.493	26.400	165.8	6.638	90.8	1486.7	921.4	18.7
250.0	248.8	8.152	8.127	33.967	26.444	27.580	26.440	162.1	6.803	90.7	1486.2	988.2	44.7
260.0	258.7	8.028	8.002	33.974	26.468	27.650	26.464	159.9	6.964	90.7	1485.9	1056.5	40.3
270.0	268.7	7.847	7.820	33.988	26.506	27.734	26.502	156.4	7.122	90.8	1485.4	1126.5	34.7
280.0	278.6	7.734	7.707	33.989	26.523	27.797	26.519	154.9	7.277	90.8	1485.1	1198.0	8.3
290.0	288.5	7.597	7.569	33.993	26.546	27.866	26.542	152.8	7.431	90.7	1484.8	1271.0	27.3
300.0	298.5	7.489	7.460	33.993	26.562	27.928	26.558	151.4	7.583	90.7	1484.5	1345.6	19.1
310.0	308.4	7.349	7.319	33.992	26.580	27.993	26.576	149.7	7.734	90.7	1484.1	1421.7	12.1
320.0	318.3	7.136	7.106	33.990	26.609	28.069	26.605	147.0	7.882	90.7	1483.5	1499.2	43.4
330.0	328.2	6.922	6.892	33.991	26.639	28.146	26.635	144.2	8.028	90.7	1482.8	1578.2	3.8
340.0	338.2	6.830	6.798	33.994	26.654	28.208	26.650	142.8	8.171	90.7	1482.6	1658.6	18.7
350.0	348.1	6.737	6.705	33.996	26.668	28.268	26.664	141.6	8.314	90.6	1482.4	1740.4	37.5
360.0	358.0	6.641	6.609	34.004	26.688	28.333	26.683	139.9	8.454	90.6	1482.2	1823.7	15.8
370.0	368.0	6.395	6.362	33.993	26.710	28.404	26.706	137.6	8.593	90.6	1481.4	1908.3	28.3
380.0	377.9	6.230	6.197	33.998	26.736	28.477	26.732	135.2	8.729	90.6	1480.9	1994.2	8.4
390.0	387.8	6.147	6.113	34.003	26.751	28.538	26.747	133.9	8.864	90.7	1480.7	2081.5	18.6
400.0	397.7	6.036	6.001	34.011	26.771	28.605	26.767	132.0	8.997	90.6	1480.4	2170.2	21.2
410.0	407.6	5.977	5.942	34.022	26.788	28.668	26.783	130.5	9.128	90.6	1480.4	2260.1	29.4
420.0	417.6	5.930	5.894	34.047	26.813	28.739	26.809	128.2	9.257	90.7	1480.4	2351.3	10.1
430.0	427.5	5.809	5.773	34.048	26.829	28.802	26.825	126.7	9.385	90.6	1480.1	2443.8	13.6
440.0	437.4	5.759	5.722	34.063	26.847	28.867	26.843	125.1	9.511	90.6	1480.0	2537.6	7.1
450.0	447.3	5.729	5.691	34.073	26.859	28.924	26.854	124.1	9.635	90.5	1480.1	2632.5	18.9
460.0	457.3	5.688	5.650	34.083	26.872	28.983	26.867	123.0	9.759	90.6	1480.1	2728.7	12.4
470.0	467.2	5.636	5.596	34.096	26.888	29.046	26.883	121.5	9.881	90.5	1480.1	2826.2	10.4
480.0	477.1	5.582	5.542	34.106	26.903	29.106	26.898	120.2	10.002	90.6	1480.0	2924.8	2.5
490.0	487.0	5.516	5.475	34.111	26.915	29.165	26.910	119.1	10.122	90.5	1479.9	3024.6	11.8
500.0	496.9	5.489	5.448	34.124	26.928	29.225	26.923	117.9	10.240	90.7	1480.0	3125.6	16.5
510.0	506.9	5.467	5.424	34.138	26.942	29.284	26.937	116.7	10.358	90.5	1480.1	3227.7	14.2
520.0	516.8	5.415	5.372	34.145	26.954	29.343	26.949	115.6	10.474	90.6	1480.1	3331.0	9.2
530.0	526.7	5.415	5.371	34.158	26.964	29.399	26.959	114.8	10.589	90.6	1480.2	3435.4	13.6
540.0	536.6	5.317	5.273	34.162	26.979	29.461	26.974	113.4	10.703	90.5	1480.0	3541.0	11.8
550.0	546.5	5.286	5.241	34.172	26.991	29.518	26.986	112.4	10.816	90.5	1480.1	3647.7	12.4
560.0	556.4	5.261	5.215	34.189	27.007	29.580	27.002	110.9	10.928	90.5	1480.1	3755.5	16.8
570.0	566.3	5.137	5.091	34.191	27.023	29.644	27.018	109.4	11.038	90.5	1479.8	3864.4	11.5
580.0	576.3	5.127	5.080	34.200	27.032	29.698	27.027	108.7	11.147	90.5	1479.9	3974.3	7.4
590.0	586.2	5.021	4.974	34.196	27.041	29.755	27.036	107.7	11.255	90.5	1479.7	4085.3	11.8
600.0	596.1	4.904	4.856	34.199	27.056	29.817	27.051	106.3	11.362	90.5	1479.3	4197.4	13.6
610.0	606.0	4.830	4.782	34.203	27.068	29.876	27.063	105.1	11.467	90.7	1479.2	4310.6	2.1
620.0	615.9	4.752	4.703	34.203	27.077	29.932	27.072	104.3	11.572	90.6	1479.1	4424.8	2.1
630.0	625.8	4.767	4.718	34.222	27.091	29.991	27.085	103.2	11.676	90.5	1479.3	4540.0	10.0
640.0	635.7	4.778	4.728	34.241	27.105	30.050	27.099	102.0	11.779	90.6	1479.5	4656.2	15.0
650.0	645.6	4.736	4.685	34.250	27.116	30.108	27.111	100.9	11.880	90.5	1479.5	4773.4	19.7
660.0	655.5	4.731	4.679	34.263	27.127	30.165	27.121	100.0	11.980	90.5	1479.7	4891.6	13.0
670.0	665.5	4.575	4.523	34.255	27.138	30.225	27.133	98.8	12.080	90.5	1479.2	5010.8	.7
680.0	675.4	4.519	4.467	34.262	27.150	30.283	27.144	97.8	12.178	90.5	1479.2	5131.0	15.0
690.0	685.3	4.579	4.525	34.283	27.160	30.337	27.154	97.0	12.276	90.5	1479.6	5252.1	9.2
700.0	695.2	4.590	4.536	34.300	27.172	30.395	27.166	96.0	12.373	90.5	1479.8	5374.2	12.4
710.0	705.1	4.590	4.535	34.313	27.183	30.452	27.177	95.1	12.468	90.7	1480.0	5497.3	11.0
720.0	715.0	4.548	4.492	34.320	27.193	30.508	27.187	94.2	12.563	90.6	1480.0	5621.2	6.3
730.0	724.9	4.506	4.450	34.324	27.201	30.562	27.195	93.5	12.656	90.4	1480.0	5746.1	9.8
740.0	734.8	4.456	4.399	34.328	27.210	30.618	27.204	92.7	12.750	90.5	1480.0	5871.9	10.7
750.0	744.7	4.409	4.351	34.330	27.217	30.671	27.211	92.0	12.842	90.5	1479.9	5998.7	4.8
760.0	754.6	4.320	4.262	34.336	27.231	30.733	27.224	90.7	12.933	90.5	1479.7	6126.3	10.6
770.0	764.5	4.294	4.235	34.341	27.237	30.785	27.231	90.1	13.024	90.5	1479.8	6254.8	11.8
780.0	774.4	4.186	4.127	34.337	27.246	30.842	27.239	89.2	13.113	90.5	1479.5	6384.2	5.1
790.0	784.3	4.208	4.148	34.351	27.255	30.896	27.248	88.5	13.202	90.5	1479.8	6514.5	7.7
800.0	794.2	4.173	4.113	34.361	27.266	30.954	27.260	87.4	13.290	90.5	1479.8	6645.6	11.2
810.0	804.1	4.158	4.097	34.365	27.271	31.005	27.265	87.1	13.377	90.4	1479.9	6777.7	4.5
820.0	814.0	4.126	4.064	34.372	27.280	31.060	27.274	86.2	13.464	90.5	1480.0	6910.5	9.5
830.0	823.9	4.116	4.054	34.379	27.287	31.112	27.280	85.7	13.550	90.5	1480.1	7044.2	9.5
840.0	833.8	4.094	4.030	34.386	27.294	31.166	27.288	85.0	13.635	90.5	1480.2	7178.8	8.6
850.0	843.7	4.071	4.007	34.394	27.303	31.221	27.296	84.3	13.720	90.5	1480.3	7314.2	11.0
860.0	853.6	4.047	3.982	34.399	27.310	31.274	27.303	83.7	13.804	90.5	1480.3	7450.4	3.1
870.0	863.5	4.020	3.955	34.403	27.316	31.327	27.310	83.1	13.887	90.5	1480.4	7587.4	6.9
880.0	873.4	3.993	3.927	34.408	27.323	31.379	27.316	82.6	13.970	90.5	1480.4	7725.3	8.6
890.0	883.3	3.980	3.913	34.412	27.328	31.430	27.321	82.2	14.053	90.5	1480.6	7863.9	6.6
900.0	893.2	3.945	3.878	34.418	27.336	31.485	27.329	81.4	14.134	90.5	1480.6	8003.4	6.0
910.0	903.1	3.922	3.854	34.424	27.343	31.539	27.337	80.7	14.215	90.5	1480.7	8143.7	6.3
920.0	913.0	3.880	3.812	34.429	27.351	31.593	27.344	80.0	14.296	90.4	1480.6	8284.7	9.2
930.0	922.9	3.858	3.789	34.433	27.357	31.645	27.350	79.5	14.376	90.5	1480.7	8426.5	4.6
940.0	932.8	3.847	3.777	34.436	27.361	31.694	27.353	79.3	14.455	90.5	1480.8	8569.2	3.7
950.0	942.7	3.833	3.762	34.440	27.365	31.744	27.358	78.9	14.534	90.5	1481.0	8712.6	10.1
960.0	952.6	3.806	3.735	34.444	27.371	31.797	27.364	78.3	14.613	90.5	1481.0	8856.7	5.5
970.0	962.5	3.797	3.726	34.451	27.377	31.849	27.370	77.9	14.691	90.5	1481.2	9001.7	9.3
980.0	972.3	3.766	3.694	34.454	27.383	31.902	27.376	77.3	14.768	90.5	1481.2	9147.4	4.3
990.0	982.2	3.743	3.670	34.458	27.389	31.953	27.382	76.8	14.845	90.5	1481.3	9293.8	5.8

Station 75 Latitude 32° 36.51'N Longitude 126° 11.63'W 31 Aug 1989 GMT 06:21 Bottom 4350 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.1	3.711	3.637	34.461	27.394	32.005	27.387	76.3	14.922	90.5	1481.3	9441.0	8.7
1020.0	1011.9	3.664	3.589	34.469	27.405	32.108	27.398	75.3	15.073	90.5	1481.4	9737.7	6.1
1040.0	1031.7	3.622	3.546	34.475	27.415	32.210	27.407	74.5	15.224	90.4	1481.6	10037.3	2.6
1060.0	1051.4	3.571	3.493	34.481	27.425	32.313	27.417	73.6	15.372	90.5	1481.7	10339.8	7.8
1080.0	1071.2	3.508	3.429	34.486	27.435	32.415	27.427	72.7	15.518	90.4	1481.8	10645.2	7.5
1100.0	1091.0	3.464	3.385	34.492	27.444	32.517	27.436	71.9	15.663	90.4	1481.9	10953.4	2.3
1120.0	1110.8	3.426	3.345	34.498	27.452	32.617	27.444	71.2	15.806	90.4	1482.1	11264.5	7.0
1140.0	1130.5	3.382	3.299	34.503	27.460	32.718	27.452	70.4	15.947	90.4	1482.3	11578.3	3.2
1160.0	1150.3	3.341	3.258	34.507	27.467	32.817	27.459	69.8	16.088	90.4	1482.4	11894.9	.0
1180.0	1170.1	3.301	3.217	34.511	27.475	32.917	27.467	69.2	16.227	90.4	1482.6	12214.2	5.5
1200.0	1189.8	3.261	3.175	34.516	27.483	33.017	27.475	68.5	16.364	90.4	1482.8	12536.2	8.2
1220.0	1209.6	3.222	3.135	34.521	27.490	33.117	27.482	67.8	16.500	90.4	1482.9	12860.9	5.3
1240.0	1229.3	3.184	3.095	34.525	27.497	33.216	27.488	67.2	16.635	90.5	1483.1	13188.2	6.7
1260.0	1249.1	3.152	3.062	34.528	27.503	33.314	27.495	66.7	16.769	90.5	1483.3	13518.2	3.5
1280.0	1268.8	3.116	3.025	34.533	27.510	33.413	27.502	66.1	16.902	90.4	1483.5	13850.7	2.1
1300.0	1288.6	3.075	2.983	34.535	27.516	33.511	27.507	65.5	17.034	90.4	1483.7	14185.9	3.3
1320.0	1308.3	3.042	2.949	34.538	27.521	33.609	27.513	65.1	17.164	90.5	1483.9	14523.6	3.6
1340.0	1328.1	3.013	2.918	34.542	27.527	33.706	27.518	64.6	17.294	90.4	1484.1	14863.8	6.5
1360.0	1347.8	2.974	2.878	34.545	27.533	33.805	27.524	64.0	17.423	90.5	1484.2	15206.5	1.8
1380.0	1367.6	2.927	2.830	34.549	27.540	33.904	27.531	63.3	17.550	90.4	1484.4	15551.8	2.4
1400.0	1387.3	2.890	2.792	34.552	27.546	34.003	27.538	62.8	17.676	90.4	1484.5	15899.5	3.6
1420.0	1407.1	2.850	2.750	34.555	27.552	34.101	27.544	62.2	17.801	90.4	1484.7	16249.6	2.2
1440.0	1426.8	2.818	2.717	34.558	27.558	34.199	27.549	61.7	17.925	90.5	1484.9	16602.2	3.3
1460.0	1446.5	2.783	2.681	34.561	27.563	34.297	27.555	61.2	18.048	90.4	1485.1	16957.2	2.8
1480.0	1466.3	2.750	2.646	34.564	27.569	34.393	27.559	60.7	18.170	90.4	1485.3	17314.5	4.2
1500.0	1486.0	2.716	2.611	34.567	27.574	34.491	27.565	60.2	18.291	90.4	1485.5	17674.2	1.3
1520.0	1505.7	2.684	2.578	34.570	27.580	34.589	27.571	59.7	18.410	90.4	1485.7	18036.3	3.7
1540.0	1525.5	2.656	2.549	34.573	27.584	34.685	27.575	59.3	18.529	90.4	1485.9	18400.6	2.5
1560.0	1545.2	2.631	2.522	34.574	27.587	34.780	27.578	59.0	18.648	90.4	1486.1	18767.3	3.4
1580.0	1564.9	2.605	2.495	34.576	27.592	34.876	27.582	58.6	18.765	90.4	1486.3	19136.3	3.7
1600.0	1584.6	2.575	2.464	34.579	27.596	34.972	27.587	58.2	18.882	90.5	1486.5	19507.5	1.7
1620.0	1604.3	2.548	2.435	34.581	27.600	35.068	27.591	57.9	18.999	90.4	1486.8	19881.0	3.7
1640.0	1624.1	2.513	2.399	34.584	27.606	35.166	27.596	57.3	19.114	90.6	1487.0	20256.8	4.6
1660.0	1643.8	2.483	2.368	34.586	27.611	35.262	27.601	56.9	19.228	90.4	1487.2	20634.8	1.4
1680.0	1663.5	2.457	2.341	34.589	27.615	35.359	27.605	56.5	19.341	90.4	1487.4	21014.9	2.0
1700.0	1683.2	2.425	2.308	34.591	27.619	35.454	27.609	56.1	19.454	90.4	1487.6	21397.3	1.4
1720.0	1702.9	2.403	2.284	34.593	27.623	35.550	27.613	55.8	19.566	90.4	1487.8	21781.9	-1.8
1740.0	1722.6	2.378	2.257	34.595	27.627	35.645	27.617	55.4	19.677	90.4	1488.1	22168.6	3.2
1760.0	1742.3	2.349	2.228	34.597	27.631	35.741	27.621	55.0	19.787	90.4	1488.3	22557.4	.0
1780.0	1762.0	2.325	2.202	34.600	27.635	35.836	27.625	54.6	19.897	90.4	1488.5	22948.4	1.8
1800.0	1781.7	2.298	2.174	34.602	27.639	35.932	27.629	54.2	20.006	90.4	1488.7	23341.5	1.2
1820.0	1801.4	2.280	2.154	34.604	27.642	36.027	27.632	53.9	20.114	90.4	1489.0	23736.7	1.8
1840.0	1821.1	2.260	2.133	34.606	27.646	36.121	27.635	53.7	20.221	90.4	1489.2	24134.0	.4
1860.0	1840.8	2.231	2.103	34.608	27.649	36.217	27.639	53.3	20.328	90.4	1489.4	24533.3	1.6
1880.0	1860.5	2.204	2.075	34.611	27.654	36.314	27.644	52.8	20.434	90.4	1489.7	24934.7	3.9
1900.0	1880.2	2.179	2.048	34.613	27.658	36.408	27.647	52.5	20.540	90.4	1489.9	25338.2	2.2
1920.0	1899.9	2.157	2.025	34.615	27.661	36.503	27.651	52.1	20.644	90.4	1490.1	25743.7	3.1
1940.0	1919.6	2.139	2.006	34.617	27.664	36.597	27.654	51.9	20.748	90.4	1490.4	26151.2	1.9
1960.0	1939.3	2.121	1.986	34.619	27.667	36.691	27.657	51.6	20.852	90.4	1490.6	26560.7	.7
1980.0	1959.0	2.098	1.961	34.621	27.671	36.787	27.660	51.2	20.954	90.4	1490.9	26972.2	1.6
2000.0	1978.7	2.078	1.940	34.623	27.675	36.882	27.664	50.9	21.057	90.4	1491.1	27385.7	2.8
2050.0	2027.9	2.040	1.898	34.627	27.681	37.114	27.669	50.4	21.310	90.4	1491.8	28427.9	1.1
2100.0	2077.1	2.000	1.854	34.632	27.688	37.349	27.677	49.7	21.561	90.4	1492.5	29482.4	1.1
2150.0	2126.2	1.963	1.814	34.636	27.694	37.582	27.683	49.2	21.808	90.3	1493.2	30548.8	2.1
2200.0	2175.4	1.928	1.775	34.639	27.700	37.814	27.688	48.7	22.053	90.4	1493.9	31627.0	.6
2250.0	2224.6	1.895	1.738	34.642	27.705	38.046	27.693	48.3	22.295	90.3	1494.6	32717.0	5.4
2300.0	2273.7	1.870	1.709	34.645	27.710	38.276	27.698	47.9	22.536	90.4	1495.3	33818.6	1.9
2350.0	2322.8	1.840	1.676	34.647	27.714	38.506	27.701	47.6	22.774	90.3	1496.0	34931.7	1.3
2400.0	2372.0	1.817	1.649	34.650	27.718	38.735	27.706	47.3	23.011	90.4	1496.8	36056.2	.5
2450.0	2421.1	1.795	1.622	34.652	27.722	38.964	27.709	47.0	23.247	90.4	1497.5	37192.1	1.7
2500.0	2470.2	1.771	1.595	34.655	27.726	39.193	27.713	46.7	23.481	90.4	1498.2	38339.2	1.5
2550.0	2519.3	1.748	1.568	34.657	27.730	39.421	27.716	46.4	23.714	90.4	1499.0	39497.6	1.8
2600.0	2568.3	1.721	1.537	34.659	27.733	39.649	27.720	46.1	23.945	90.4	1499.7	40667.0	1.0
2650.0	2617.4	1.701	1.512	34.661	27.737	39.877	27.723	45.8	24.175	90.4	1500.5	41847.5	-.7
2700.0	2666.4	1.683	1.490	34.663	27.741	40.104	27.726	45.6	24.403	90.4	1501.3	43039.0	-.1
2750.0	2715.5	1.672	1.475	34.664	27.742	40.329	27.728	45.5	24.631	90.4	1502.0	44241.3	2.0
2800.0	2764.5	1.653	1.452	34.666	27.746	40.555	27.731	45.3	24.858	90.4	1502.8	45454.6	1.1
2850.0	2813.5	1.636	1.430	34.668	27.749	40.781	27.733	45.1	25.084	90.4	1503.6	46678.6	1.2
2900.0	2862.5	1.623	1.413	34.668	27.750	41.006	27.735	45.0	25.309	90.4	1504.4	47913.5	.1
2950.0	2911.5	1.612	1.397	34.669	27.752	41.230	27.737	45.0	25.534	90.4	1505.2	49159.1	1.0
3000.0	2960.5	1.599	1.380	34.671	27.755	41.454	27.739	44.8	25.758	90.4	1506.0	50415.4	-1.0
3050.0	3009.5	1.587	1.364	34.673	27.757	41.679	27.741	44.7	25.982	90.4	1506.8	51682.4	-.4
3100.0	3058.5	1.577	1.349	34.674	27.759	41.902	27.742	44.6	26.205	90.4	1507.6	52960.0	.5
3142.0	3099.6	1.570	1.337	34.674	27.761	42.089	27.744	44.6	26.392	90.4	1508.3	54041.4	.0

Station 76 Latitude 32° 27.27'N Longitude 125° 49.07'W 31 Aug 1989 GMT 10:08 Bottom 4300 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m³	Sigma-z kg/m³	Sigma-t kg/m³	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
.0	.0	18.232	18.232	33.174	23.819	23.819	23.819	407.3	.000	89.6	1515.0	.0	.0
10.0	10.0	18.231	18.229	33.174	23.819	23.863	23.819	407.6	.407	89.5	1515.2	2.0	1.7
20.0	19.9	18.157	18.154	33.178	23.840	23.927	23.839	406.0	.815	89.4	1515.1	8.1	21.2
30.0	29.9	18.142	18.137	33.179	23.845	23.976	23.844	405.8	1.221	89.4	1515.2	18.3	.7
40.0	39.9	18.285	18.278	33.372	23.958	24.133	23.957	395.4	1.624	89.2	1516.0	32.5	224.7
50.0	49.8	16.316	16.308	33.169	24.270	24.490	24.268	365.9	2.007	89.4	1510.1	50.6	475.0
60.0	59.8	15.159	15.150	33.192	24.546	24.811	24.544	339.8	2.359	89.3	1506.7	72.3	138.7
70.0	69.8	13.594	13.584	33.123	24.823	25.134	24.821	313.5	2.687	89.4	1501.7	97.5	177.4
80.0	79.7	12.420	12.410	33.070	25.013	25.370	25.011	295.5	2.991	89.8	1497.8	125.8	118.6
90.0	89.7	11.431	11.420	33.056	25.187	25.590	25.185	279.1	3.279	90.0	1494.5	157.0	190.7
100.0	99.6	10.923	10.911	33.095	25.309	25.758	25.306	267.7	3.552	90.2	1492.9	191.0	128.5
110.0	109.6	10.784	10.771	33.237	25.444	25.939	25.442	255.0	3.813	90.4	1492.8	227.7	151.7
120.0	119.5	10.898	10.883	33.407	25.557	26.096	25.554	244.6	4.063	90.3	1493.5	266.9	124.2
130.0	129.5	10.606	10.591	33.444	25.637	26.221	25.634	237.1	4.304	90.4	1492.7	308.5	48.3
140.0	139.4	10.309	10.292	33.456	25.697	26.327	25.694	231.5	4.538	90.4	1491.8	352.5	63.8
150.0	149.4	10.203	10.186	33.572	25.806	26.482	25.803	221.4	4.764	90.6	1491.7	398.7	79.9
160.0	159.3	9.991	9.972	33.653	25.906	26.627	25.902	212.1	4.982	90.5	1491.2	447.2	133.1
170.0	169.3	9.538	9.519	33.700	26.017	26.785	26.014	201.6	5.188	90.4	1489.8	497.8	70.4
180.0	179.2	9.402	9.382	33.773	26.097	26.910	26.093	194.2	5.386	90.4	1489.5	550.3	72.7
190.0	189.1	9.102	9.082	33.829	26.189	27.049	26.186	185.5	5.575	90.5	1488.7	604.8	98.4
200.0	199.1	8.861	8.840	33.908	26.288	27.194	26.285	176.2	5.756	90.4	1488.0	661.1	65.6
210.0	209.0	8.794	8.772	33.956	26.337	27.288	26.333	171.8	5.929	90.5	1488.0	719.2	5.6
220.0	219.0	8.539	8.516	33.957	26.377	27.375	26.374	168.0	6.100	90.5	1487.2	779.0	35.7
230.0	228.9	8.251	8.228	33.964	26.426	27.471	26.423	163.5	6.265	90.5	1486.3	840.4	17.5
240.0	238.8	8.130	8.106	33.992	26.466	27.557	26.463	159.8	6.426	90.6	1486.0	903.5	27.4
250.0	248.8	8.059	8.034	34.008	26.490	27.626	26.486	157.7	6.585	90.4	1485.9	968.1	28.3
260.0	258.7	7.950	7.924	34.019	26.514	27.697	26.511	155.5	6.741	90.6	1485.7	1034.3	3.4
270.0	268.6	7.785	7.758	34.015	26.536	27.765	26.532	153.5	6.896	90.5	1485.2	1102.0	25.0
280.0	278.6	7.480	7.453	33.995	26.565	27.840	26.561	150.8	7.048	90.6	1484.2	1171.3	28.8
290.0	288.5	7.278	7.251	33.994	26.592	27.915	26.588	148.2	7.198	90.6	1483.5	1242.0	29.0
300.0	298.4	7.151	7.123	34.002	26.616	27.985	26.612	146.1	7.345	90.6	1483.2	1314.2	18.2
310.0	308.4	7.045	7.017	34.005	26.633	28.048	26.629	144.6	7.490	90.6	1483.0	1387.9	13.5
320.0	318.3	6.989	6.959	34.014	26.648	28.109	26.644	143.3	7.634	90.5	1482.9	1463.0	24.0
330.0	328.2	6.861	6.831	34.013	26.664	28.172	26.660	141.8	7.777	90.5	1482.6	1539.5	15.5
340.0	338.1	6.825	6.794	34.028	26.681	28.235	26.677	140.3	7.918	90.5	1482.6	1617.4	31.3
350.0	348.1	6.529	6.497	34.010	26.706	28.308	26.702	137.8	8.056	90.6	1481.6	1696.7	.5
360.0	358.0	6.526	6.493	34.035	26.727	28.374	26.723	136.0	8.193	90.4	1481.8	1777.3	20.7
370.0	367.9	6.514	6.481	34.051	26.741	28.434	26.737	134.8	8.329	90.4	1481.9	1859.3	12.2
380.0	377.9	6.328	6.295	34.049	26.764	28.504	26.760	132.7	8.463	90.5	1481.3	1942.7	28.9
390.0	387.8	6.274	6.240	34.056	26.777	28.563	26.772	131.6	8.595	90.5	1481.3	2027.3	13.4
400.0	397.7	6.127	6.093	34.056	26.795	28.628	26.790	129.8	8.725	90.5	1480.9	2113.3	23.6
410.0	407.6	5.983	5.947	34.052	26.810	28.691	26.806	128.4	8.854	90.5	1480.4	2200.5	21.5
420.0	417.5	5.848	5.813	34.061	26.835	28.762	26.830	126.1	8.981	90.5	1480.1	2289.0	10.1
430.0	427.5	5.819	5.783	34.069	26.844	28.817	26.840	125.3	9.107	90.5	1480.1	2378.7	11.5
440.0	437.4	5.825	5.788	34.093	26.863	28.881	26.858	123.7	9.231	90.5	1480.3	2469.7	17.7
450.0	447.3	5.739	5.701	34.102	26.881	28.945	26.876	122.1	9.354	90.5	1480.2	2561.9	12.4
460.0	457.2	5.637	5.598	34.109	26.898	29.010	26.894	120.4	9.475	90.5	1479.9	2655.3	10.7
470.0	467.2	5.546	5.507	34.114	26.913	29.072	26.908	119.0	9.595	90.6	1479.7	2749.9	15.9
480.0	477.1	5.533	5.493	34.123	26.922	29.126	26.917	118.3	9.714	90.5	1479.9	2845.6	3.9
490.0	487.0	5.536	5.495	34.144	26.938	29.188	26.934	116.9	9.832	90.5	1480.1	2942.6	12.4
500.0	496.9	5.470	5.428	34.153	26.953	29.250	26.948	115.5	9.948	90.5	1480.0	3040.7	18.6
510.0	506.8	5.326	5.285	34.146	26.965	29.309	26.960	114.3	10.063	90.5	1479.5	3139.9	19.4
520.0	516.8	5.068	5.026	34.117	26.972	29.366	26.968	113.5	10.176	90.6	1478.6	3240.2	3.3
530.0	526.7	4.970	4.928	34.121	26.987	29.427	26.982	112.1	10.289	90.6	1478.4	3341.7	4.7
540.0	536.6	4.998	4.956	34.139	26.998	29.483	26.993	111.2	10.401	90.6	1478.7	3444.3	17.9
550.0	546.5	4.985	4.941	34.158	27.015	29.546	27.010	109.7	10.511	90.6	1478.8	3548.0	15.9
560.0	556.4	4.929	4.885	34.173	27.033	29.611	27.028	108.1	10.620	90.6	1478.8	3652.7	18.8
570.0	566.3	4.781	4.736	34.172	27.049	29.674	27.044	106.5	10.727	90.6	1478.3	3758.5	10.9
580.0	576.2	4.888	4.842	34.199	27.059	29.729	27.054	105.8	10.833	90.5	1479.0	3865.4	25.0
590.0	586.2	4.835	4.789	34.209	27.073	29.789	27.068	104.5	10.938	90.5	1478.9	3973.3	23.2
600.0	596.1	4.808	4.761	34.219	27.083	29.845	27.077	103.7	11.042	90.6	1479.0	4082.2	8.6
610.0	606.0	4.761	4.714	34.226	27.094	29.903	27.089	102.6	11.146	90.6	1479.0	4192.2	15.9
620.0	615.9	4.609	4.561	34.221	27.107	29.964	27.101	101.3	11.247	90.6	1478.5	4303.2	16.7
630.0	625.8	4.541	4.492	34.227	27.119	30.023	27.114	100.1	11.348	90.6	1478.4	4415.1	9.7
640.0	635.7	4.516	4.467	34.241	27.133	30.083	27.128	98.9	11.448	90.5	1478.5	4528.1	15.8
650.0	645.6	4.492	4.442	34.253	27.145	30.142	27.140	97.8	11.546	90.6	1478.5	4642.0	12.6
660.0	655.5	4.460	4.410	34.264	27.157	30.200	27.152	96.8	11.643	90.6	1478.6	4756.9	5.3
670.0	665.4	4.460	4.409	34.273	27.165	30.253	27.159	96.2	11.740	90.5	1478.8	4872.7	8.5
680.0	675.3	4.412	4.360	34.281	27.176	30.311	27.171	95.1	11.835	90.5	1478.7	4989.5	13.2
690.0	685.3	4.396	4.344	34.288	27.184	30.364	27.178	94.5	11.930	90.6	1478.8	5107.2	3.0
700.0	695.2	4.373	4.320	34.296	27.193	30.420	27.187	93.7	12.024	90.6	1478.9	5225.9	5.3
710.0	705.1	4.347	4.293	34.304	27.202	30.475	27.196	92.9	12.118	90.5	1479.0	5345.5	8.8
720.0	715.0	4.333	4.278	34.315	27.212	30.531	27.206	92.0	12.210	90.6	1479.1	5466.0	14.7
730.0	724.9	4.317	4.261	34.325	27.222	30.587	27.216	91.2	12.302	90.5	1479.2	5587.3	6.2
740.0	734.8	4.283	4.227	34.332	27.231	30.643	27.226	90.3	12.392	90.6	1479.2	5709.6	7.7
750.0	744.7	4.256	4.199	34.340	27.241	30.698	27.234	89.5	12.482	90.5	1479.3	5832.8	10.3
760.0	754.6	4.232	4.175	34.346	27.248	30.751	27.242	88.9	12.571	90.5	1479.4	5956.9	8.9
770.0	764.5	4.216	4.158	34.351	27.254	30.803	27.248	88.4	12.660	90.5	1479.5	6081.8	8.0
780.0	774.4	4.188	4.129	34.358	27.262	30.858	27.256	87.7	12.748	90.5	1479.5	6207.6	5.7
790.0	784.3	4.174	4.115	34.361	27.266	30.908	27.260	87.4	12.835	90.5	1479.7	6334.2	7.7
800.0	794.2	4.159	4.099	34.368	27.273	30.961	27.267	86.8	12.922	90.5	1479.8	6461.8	1.0
810.0	804.1	4.146	4.085	34.374	27.279	31.013	27.273	86.2	13.009	90.5	1479.9	6590.1	11.2
820.0	814.0	4.115	4.054	34.383	27.290	31.070	27.284	85.3	13.095	90.5	1479.9	6719.3	4.8
830.0	823.9	4.108	4.045	34.391	27.297	31.123	27.290	84.7	13.180	90.5	1480.1	6849.4	8.3
840.0	833.8	4.070	4.008	34.395	27.304	31.177	27.298	84.1	13.264	90.5	1480.1	6980.3	4.8
850.0	843.7	4.070	4.006	34.399	27.308	31.225	27.301	83.9	13.348	90.5	1480.3	7112.0	11.6
860.0	853.6	4.032	3.967	34.407	27.318	31.283	27.312	82.9	13.431	90.5	1480.3	7244.5	9.2
870.0	863.5	4.017	3.952	34.412	27.324	31.334	27.317	82.4	13.514	90.5	1480.4	7377.9	5.4
880.0	873.4	4.022	3.956	34.417	27.327	31.383	27.320	82.2	13.597	90.5	1480.6	7512.0	7.5
890.0	883.3	4.015	3.948	34.425	27.334	31.435	27.327	81.7	13.678	90.5	1480.7	7647.0	6.9
900.0	893.2	3.999	3.932	34.437	27.346	31.493	27.339	80.6	13.759	90.5	1480.8	7782.7	9.5
910.0	903.1	3.931	3.864	34.436	27.352	31.547	27.345	80.0	13.840	90.5	1480.7	7919.3	8.4
920.0	913.0	3.897	3.829	34.438	27.357	31.598	27.350	79.5	13.920	90.5	1480.7	8056.6	5.1
930.0	922.8	3.911	3.841	34.449	27.364	31.650	27.357	79.0	13.999	90.4	1481.0	8194.7	3.1
940.0	932.7	3.859	3.789	34.448	27.369	31.702	27.361	78.5	14.078	90.4	1480.9	8333.6	10.7
950.0	942.6	3.812	3.742	34.448	27.373	31.753	27.366	78.1	14.156	90.5	1480.9	8473.3	1.9
960.0	952.5	3.787	3.716	34.452	27.379	31.805	27.372	77.6	14.234	90.4	1480.9	8613.7	2.8
970.0	962.4	3.771	3.700	34.457	27.385	31.857	27.378	77.0	14.311	90.5	1481.1	8754.9	7.8
980.0	972.3	3.725	3.653	34.458	27.390	31.909	27.383	76.5	14.388	90.5	1481.0	8896.8	2.5
990.0	982.2	3.703	3.631	34.460	27.394	31.959	27.387	76.2	14.464	90.5	1481.1	9039.5	4.3

Station 76 Latitude 32° 27.27'N Longitude 125° 49.07'W 31 Aug 1989 GMT 10:08 Bottom 4300 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.1	3.668	3.595	34.464	27.401	32.013	27.393	75.6	14.540	90.5	1481.1	9182.9	11.9
1020.0	1011.9	3.646	3.571	34.469	27.407	32.111	27.400	75.1	14.691	90.5	1481.4	9472.0	3.1
1040.0	1031.7	3.595	3.519	34.475	27.417	32.213	27.410	74.2	14.840	90.5	1481.5	9764.1	4.0
1060.0	1051.4	3.550	3.473	34.481	27.426	32.315	27.419	73.4	14.987	90.5	1481.6	10059.0	6.4
1080.0	1071.2	3.508	3.430	34.488	27.437	32.417	27.429	72.5	15.133	90.4	1481.8	10356.8	4.6
1100.0	1091.0	3.483	3.403	34.496	27.445	32.518	27.437	71.8	15.278	90.5	1482.0	10657.4	3.8
1120.0	1110.7	3.452	3.371	34.502	27.453	32.618	27.445	71.1	15.420	90.4	1482.2	10960.9	2.0
1140.0	1130.5	3.439	3.357	34.511	27.461	32.717	27.453	70.5	15.562	90.5	1482.5	11267.1	3.8
1160.0	1150.3	3.392	3.309	34.518	27.472	32.820	27.464	69.5	15.702	90.5	1482.7	11576.1	7.9
1180.0	1170.0	3.321	3.236	34.517	27.477	32.919	27.469	69.0	15.841	90.5	1482.7	11887.8	4.7
1200.0	1189.8	3.269	3.183	34.520	27.485	33.020	27.477	68.3	15.978	90.5	1482.8	12202.2	5.8
1220.0	1209.6	3.234	3.147	34.523	27.490	33.117	27.482	67.8	16.114	90.5	1483.0	12519.2	1.5
1240.0	1229.3	3.190	3.102	34.527	27.498	33.217	27.490	67.1	16.249	90.4	1483.1	12838.9	.6
1260.0	1249.1	3.155	3.066	34.530	27.504	33.315	27.496	66.6	16.382	90.5	1483.3	13161.2	3.2
1280.0	1268.8	3.112	3.021	34.535	27.512	33.415	27.503	65.9	16.515	90.5	1483.5	13486.2	5.6
1300.0	1288.6	3.099	3.006	34.540	27.518	33.513	27.509	65.4	16.646	90.5	1483.8	13813.7	2.4
1320.0	1308.3	3.078	2.984	34.546	27.525	33.611	27.516	64.9	16.777	90.4	1484.0	14143.7	3.0
1340.0	1328.1	3.042	2.946	34.549	27.530	33.708	27.521	64.4	16.906	90.4	1484.2	14476.3	2.7
1360.0	1347.8	3.012	2.916	34.551	27.535	33.805	27.526	64.0	17.035	90.4	1484.4	14811.4	2.4
1380.0	1367.6	2.979	2.881	34.553	27.539	33.902	27.531	63.6	17.162	90.4	1484.6	15148.9	1.0
1400.0	1387.3	2.940	2.841	34.556	27.545	34.000	27.536	63.1	17.288	90.4	1484.8	15489.0	1.6
1420.0	1407.0	2.903	2.803	34.560	27.551	34.098	27.542	62.5	17.414	90.5	1484.9	15831.5	.7
1440.0	1426.8	2.868	2.766	34.562	27.557	34.196	27.548	62.0	17.539	90.4	1485.1	16176.4	1.0
1460.0	1446.5	2.807	2.704	34.560	27.560	34.292	27.551	61.6	17.662	90.4	1485.2	16523.8	.1
1480.0	1466.3	2.777	2.673	34.563	27.565	34.389	27.556	61.1	17.785	90.4	1485.4	16873.6	4.0
1500.0	1486.0	2.747	2.642	34.565	27.570	34.486	27.561	60.7	17.906	90.4	1485.6	17225.7	2.5
1520.0	1505.7	2.708	2.602	34.569	27.576	34.584	27.567	60.1	18.027	90.4	1485.8	17580.2	3.7
1540.0	1525.4	2.674	2.566	34.572	27.583	34.682	27.573	59.5	18.147	90.4	1486.0	17937.0	1.6
1560.0	1545.2	2.638	2.530	34.574	27.587	34.779	27.577	59.1	18.265	90.4	1486.1	18296.1	2.8
1580.0	1564.9	2.610	2.500	34.576	27.591	34.875	27.581	58.7	18.383	90.4	1486.4	18657.6	3.4
1600.0	1584.6	2.573	2.461	34.579	27.597	34.973	27.587	58.2	18.500	90.5	1486.5	19021.3	5.5
1620.0	1604.3	2.558	2.445	34.583	27.601	35.069	27.592	57.8	18.616	90.4	1486.8	19387.3	1.4
1640.0	1624.1	2.521	2.407	34.586	27.607	35.166	27.597	57.3	18.731	90.6	1487.0	19755.5	.8
1660.0	1643.8	2.500	2.385	34.589	27.611	35.262	27.601	57.0	18.846	90.4	1487.2	20125.9	7.0
1680.0	1663.5	2.466	2.349	34.591	27.616	35.359	27.606	56.4	18.959	90.4	1487.4	20498.6	.6
1700.0	1683.2	2.430	2.312	34.593	27.620	35.456	27.611	56.0	19.071	90.4	1487.6	20873.4	2.9
1720.0	1702.9	2.416	2.297	34.595	27.623	35.549	27.613	55.8	19.183	90.4	1487.9	21250.4	2.0
1740.0	1722.6	2.400	2.279	34.598	27.627	35.645	27.617	55.5	19.295	90.4	1488.2	21629.6	4.7
1760.0	1742.3	2.376	2.254	34.600	27.631	35.739	27.621	55.1	19.405	90.4	1488.4	22010.9	2.1
1780.0	1762.0	2.348	2.225	34.602	27.635	35.835	27.624	54.8	19.515	90.5	1488.6	22394.4	4.1
1800.0	1781.7	2.315	2.190	34.604	27.639	35.932	27.629	54.3	19.624	90.4	1488.8	22780.0	2.7
1820.0	1801.4	2.288	2.162	34.606	27.643	36.027	27.632	53.9	19.732	90.4	1489.0	23167.6	3.9
1840.0	1821.1	2.263	2.136	34.607	27.646	36.122	27.636	53.6	19.840	90.5	1489.2	23557.4	2.4
1860.0	1840.8	2.236	2.107	34.611	27.651	36.218	27.641	53.1	19.947	90.4	1489.5	23949.3	.7
1880.0	1860.5	2.211	2.081	34.612	27.654	36.313	27.644	52.8	20.052	90.4	1489.7	24343.2	2.4
1900.0	1880.2	2.191	2.060	34.614	27.658	36.408	27.647	52.5	20.158	90.4	1489.9	24739.1	4.5
1920.0	1899.9	2.173	2.041	34.617	27.661	36.502	27.651	52.2	20.263	90.5	1490.2	25137.1	2.8
1940.0	1919.6	2.155	2.021	34.619	27.665	36.597	27.654	51.9	20.367	90.4	1490.5	25537.1	2.8
1960.0	1939.3	2.124	1.989	34.620	27.668	36.692	27.658	51.5	20.470	90.5	1490.7	25939.1	2.5
1980.0	1959.0	2.108	1.971	34.622	27.671	36.786	27.660	51.3	20.573	90.4	1490.9	26343.0	.5
2000.0	1978.7	2.086	1.948	34.624	27.675	36.881	27.664	50.9	20.675	90.5	1491.2	26749.0	4.6
2050.0	2027.9	2.041	1.899	34.630	27.683	37.117	27.672	50.2	20.928	90.4	1491.8	27772.5	3.2
2100.0	2077.1	2.006	1.861	34.633	27.688	37.349	27.677	49.8	21.177	90.4	1492.5	28808.1	.0
2150.0	2126.2	1.965	1.816	34.635	27.694	37.581	27.682	49.3	21.425	90.4	1493.2	29855.7	1.5
2200.0	2175.4	1.922	1.770	34.638	27.700	37.814	27.688	48.7	21.670	90.4	1493.8	30915.1	.3
2250.0	2224.6	1.889	1.733	34.643	27.707	38.047	27.695	48.1	21.912	90.4	1494.5	31986.3	2.1
2300.0	2273.7	1.861	1.701	34.646	27.712	38.278	27.699	47.7	22.152	90.4	1495.3	33069.1	1.6
2350.0	2322.8	1.835	1.671	34.649	27.716	38.508	27.704	47.3	22.390	90.5	1496.0	34163.3	.8
2400.0	2371.9	1.811	1.643	34.651	27.720	38.737	27.707	47.1	22.626	90.4	1496.7	35268.9	-.1
2450.0	2421.1	1.789	1.617	34.653	27.723	38.965	27.710	46.9	22.860	90.4	1497.5	36385.8	2.6
2500.0	2470.2	1.761	1.585	34.657	27.728	39.195	27.715	46.4	23.093	90.4	1498.2	37514.0	2.1
2550.0	2519.2	1.745	1.565	34.659	27.732	39.423	27.718	46.2	23.325	90.4	1499.0	38653.2	.9
2600.0	2568.3	1.730	1.546	34.660	27.734	39.649	27.721	46.1	23.556	90.4	1499.8	39803.6	1.0
2650.0	2617.4	1.712	1.523	34.661	27.736	39.875	27.722	46.0	23.785	90.4	1500.5	40965.0	1.0
2700.0	2666.4	1.689	1.496	34.663	27.740	40.103	27.726	45.7	24.015	90.4	1501.3	42137.4	-.1
2750.0	2715.5	1.671	1.474	34.665	27.743	40.330	27.729	45.4	24.242	90.4	1502.0	43320.7	2.0
2800.0	2764.5	1.657	1.455	34.667	27.746	40.556	27.731	45.3	24.469	90.4	1502.8	44514.9	.0
2850.0	2813.5	1.639	1.433	34.668	27.749	40.782	27.734	45.1	24.695	90.4	1503.6	45719.9	-.9
2900.0	2862.5	1.621	1.411	34.670	27.751	41.007	27.736	44.9	24.920	90.4	1504.4	46935.7	.4
2950.0	2911.5	1.604	1.389	34.670	27.754	41.232	27.738	44.8	25.144	90.4	1505.2	48162.2	1.0
3000.0	2960.5	1.594	1.375	34.672	27.756	41.456	27.740	44.7	25.367	90.4	1506.0	49399.4	-1.0
3050.0	3009.5	1.583	1.359	34.674	27.759	41.681	27.743	44.5	25.590	90.4	1506.8	50647.2	2.8
3100.0	3058.5	1.570	1.342	34.675	27.761	41.904	27.744	44.4	25.812	90.4	1507.6	51905.6	1.1
3120.0	3078.1	1.565	1.335	34.675	27.761	41.993	27.745	44.4	25.901	90.4	1507.9	52412.0	.0

Station 77 Latitude 32° 13.69'N Longitude 125° 57.18'W 31 Aug 1989 GMT 13:32 Bottom 4357 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	18.429	18.429	33.242	23.822	23.822	23.822	407.0	.000	89.8	1515.6	.0	.0
10.0	10.0	18.433	18.431	33.242	23.821	23.865	23.821	407.4	.407	89.8	1515.8	2.0	-2.2
20.0	19.9	18.437	18.433	33.241	23.819	23.907	23.819	407.9	.815	89.8	1516.0	8.1	-2.4
30.0	29.9	18.436	18.431	33.241	23.820	23.951	23.819	408.2	1.223	89.8	1516.1	18.3	2.6
40.0	39.9	19.163	19.156	33.628	23.934	24.108	23.932	397.8	1.626	89.8	1518.8	32.5	20.2
50.0	49.8	18.664	18.655	33.623	24.057	24.274	24.055	386.4	2.020	89.8	1517.6	50.7	120.3
60.0	59.8	15.843	15.834	33.460	24.601	24.865	24.599	334.6	2.381	89.8	1509.1	72.6	279.4
70.0	69.8	15.670	15.660	33.610	24.756	25.064	24.753	320.2	2.708	89.9	1508.9	98.0	88.2
80.0	79.7	15.371	15.359	33.606	24.820	25.172	24.817	314.4	3.026	90.0	1508.2	126.6	21.6
90.0	89.7	15.087	15.073	33.645	24.913	25.309	24.909	305.9	3.336	90.0	1507.5	158.2	93.3
100.0	99.7	13.556	13.542	33.441	25.077	25.521	25.074	290.2	3.634	90.0	1502.4	192.9	149.0
110.0	109.6	12.689	12.675	33.297	25.138	25.628	25.135	284.5	3.920	90.2	1499.5	230.5	36.1
120.0	119.6	12.592	12.576	33.391	25.230	25.765	25.227	276.0	4.201	90.3	1499.4	271.0	122.5
130.0	129.5	12.106	12.089	33.461	25.377	25.958	25.374	262.1	4.470	90.6	1498.0	314.1	124.1
140.0	139.5	11.888	11.870	33.506	25.454	26.080	25.450	255.1	4.728	90.6	1497.5	359.9	20.5
150.0	149.4	11.412	11.393	33.543	25.571	26.242	25.567	244.1	4.981	90.7	1496.0	408.2	286.0
160.0	159.4	10.863	10.843	33.544	25.670	26.389	25.667	234.7	5.221	90.8	1494.2	458.9	129.2
170.0	169.3	10.354	10.334	33.570	25.779	26.544	25.775	224.5	5.450	90.8	1492.6	512.0	111.2
180.0	179.2	10.199	10.178	33.648	25.867	26.677	25.863	216.3	5.670	90.8	1492.3	567.3	120.3
190.0	189.2	9.979	9.957	33.704	25.947	26.804	25.944	208.8	5.883	90.8	1491.7	624.7	140.8
200.0	199.1	9.701	9.678	33.755	26.033	26.936	26.030	200.7	6.086	90.9	1490.9	684.2	105.6
210.0	209.1	9.291	9.268	33.811	26.145	27.094	26.141	190.2	6.281	91.0	1489.7	745.7	45.8
220.0	219.0	9.069	9.046	33.840	26.202	27.198	26.199	184.8	6.469	90.9	1489.0	809.1	66.8
230.0	228.9	8.857	8.832	33.896	26.280	27.321	26.276	177.6	6.650	90.9	1488.5	874.3	59.8
240.0	238.9	8.748	8.722	33.921	26.317	27.404	26.313	174.2	6.826	90.9	1488.3	941.2	20.8
250.0	248.8	8.548	8.522	33.958	26.377	27.510	26.373	168.6	6.997	90.7	1487.7	1009.9	46.8
260.0	258.8	8.317	8.290	33.979	26.429	27.609	26.425	163.8	7.163	90.6	1487.0	1080.3	53.5
270.0	268.7	8.138	8.111	33.992	26.466	27.692	26.462	160.4	7.325	90.6	1486.5	1152.2	26.3
280.0	278.6	7.989	7.961	33.995	26.490	27.763	26.486	158.1	7.484	90.6	1486.1	1225.8	9.8
290.0	288.5	7.760	7.731	34.000	26.528	27.847	26.524	154.6	7.641	90.8	1485.4	1300.9	59.3
300.0	298.5	7.536	7.507	33.997	26.559	27.925	26.554	151.8	7.793	90.8	1484.7	1377.5	22.4
310.0	308.4	7.327	7.297	33.997	26.588	28.001	26.584	149.0	7.944	90.8	1484.1	1455.7	28.5
320.0	318.4	7.146	7.116	33.998	26.614	28.074	26.610	146.6	8.092	90.7	1483.5	1535.3	49.2
330.0	328.3	6.865	6.835	33.993	26.648	28.156	26.644	143.3	8.236	90.7	1482.6	1616.4	16.1
340.0	338.2	6.799	6.767	33.996	26.660	28.213	26.655	142.3	8.379	90.7	1482.5	1698.8	15.5
350.0	348.1	6.625	6.594	33.988	26.677	28.277	26.673	140.7	8.521	90.5	1481.9	1782.7	5.8
360.0	358.1	6.703	6.670	34.022	26.693	28.338	26.689	139.4	8.661	90.6	1482.5	1868.0	25.7
370.0	368.0	6.691	6.658	34.040	26.709	28.400	26.705	138.0	8.800	90.6	1482.6	1954.7	18.7
380.0	377.9	6.598	6.564	34.058	26.736	28.473	26.731	135.6	8.936	90.5	1482.4	2042.7	19.9
390.0	387.8	6.502	6.467	34.067	26.755	28.539	26.751	133.8	9.071	90.6	1482.2	2132.1	32.5
400.0	397.8	6.408	6.373	34.072	26.772	28.602	26.767	132.3	9.204	90.5	1482.0	2222.8	8.4
410.0	407.7	6.376	6.339	34.088	26.789	28.665	26.784	130.8	9.336	90.5	1482.1	2314.8	11.1
420.0	417.6	6.269	6.232	34.092	26.806	28.729	26.801	129.2	9.466	90.5	1481.8	2408.1	7.8
430.0	427.5	6.082	6.045	34.084	26.823	28.793	26.818	127.5	9.594	90.5	1481.2	2502.6	29.2
440.0	437.5	5.824	5.787	34.072	26.846	28.865	26.842	125.2	9.721	90.6	1480.3	2598.5	47.0
450.0	447.4	5.766	5.728	34.081	26.861	28.925	26.856	124.0	9.845	90.5	1480.3	2695.5	26.2
460.0	457.3	5.523	5.485	34.068	26.880	28.993	26.875	122.0	9.968	90.6	1479.4	2793.8	30.2
470.0	467.2	5.360	5.321	34.063	26.895	29.056	26.891	120.5	10.089	90.6	1478.9	2893.3	20.0
480.0	477.1	5.262	5.223	34.064	26.907	29.115	26.903	119.3	10.209	90.4	1478.7	2994.0	16.7
490.0	487.1	5.161	5.121	34.072	26.926	29.180	26.921	117.6	10.327	90.6	1478.4	3095.8	14.7
500.0	497.0	5.085	5.045	34.081	26.941	29.243	26.937	116.2	10.444	90.6	1478.3	3198.8	13.2
510.0	506.9	5.045	5.004	34.100	26.961	29.309	26.957	114.3	10.560	90.5	1478.3	3303.0	15.2
520.0	516.8	4.999	4.958	34.111	26.976	29.370	26.971	113.1	10.673	90.6	1478.3	3408.3	10.9
530.0	526.7	4.944	4.902	34.125	26.993	29.433	26.988	111.5	10.786	90.6	1478.3	3514.7	18.5
540.0	536.6	4.817	4.774	34.125	27.007	29.496	27.003	110.1	10.896	90.5	1477.9	3622.2	10.5
550.0	546.6	4.796	4.753	34.141	27.022	29.556	27.017	108.8	11.006	90.6	1478.0	3730.8	2.9
560.0	556.5	4.754	4.711	34.151	27.035	29.616	27.030	107.6	11.114	90.6	1478.0	3840.4	16.7
570.0	566.4	4.709	4.665	34.159	27.046	29.673	27.041	106.6	11.221	90.6	1478.0	3951.1	5.9
580.0	576.3	4.738	4.693	34.182	27.062	29.734	27.056	105.3	11.327	90.5	1478.3	4062.9	17.0
590.0	586.2	4.680	4.634	34.194	27.078	29.796	27.073	103.8	11.432	90.6	1478.3	4175.7	19.1
600.0	596.1	4.568	4.522	34.192	27.088	29.854	27.083	102.8	11.535	90.6	1477.9	4289.5	7.9
610.0	606.0	4.551	4.505	34.202	27.098	29.911	27.093	101.9	11.637	90.6	1478.1	4404.4	12.3
620.0	616.0	4.543	4.496	34.223	27.116	29.974	27.111	100.4	11.739	90.5	1478.2	4520.2	12.6
630.0	625.9	4.545	4.497	34.236	27.126	30.030	27.121	99.5	11.839	90.6	1478.4	4637.1	6.8
640.0	635.8	4.558	4.509	34.249	27.135	30.084	27.130	98.8	11.938	90.6	1478.6	4754.9	7.4
650.0	645.7	4.524	4.474	34.258	27.146	30.142	27.140	97.8	12.036	90.6	1478.7	4873.7	10.3
660.0	655.6	4.504	4.454	34.268	27.156	30.198	27.150	97.0	12.134	90.6	1478.8	4993.4	6.8
670.0	665.5	4.518	4.466	34.281	27.165	30.252	27.159	96.3	12.230	90.5	1479.0	5114.1	8.0
680.0	675.4	4.537	4.485	34.297	27.176	30.308	27.170	95.4	12.326	90.5	1479.3	5235.8	15.9
690.0	685.3	4.494	4.441	34.306	27.188	30.367	27.182	94.2	12.421	90.6	1479.3	5358.3	10.6
700.0	695.2	4.541	4.487	34.327	27.199	30.423	27.193	93.4	12.515	90.5	1479.7	5481.9	8.6
710.0	705.1	4.504	4.449	34.333	27.208	30.478	27.202	92.6	12.608	90.4	1479.7	5606.3	7.7
720.0	715.0	4.482	4.426	34.342	27.218	30.534	27.212	91.7	12.700	90.5	1479.8	5731.6	13.6
730.0	724.9	4.504	4.447	34.358	27.228	30.589	27.222	90.9	12.791	90.5	1480.0	5857.9	10.4
740.0	734.8	4.451	4.394	34.365	27.240	30.648	27.233	89.9	12.882	90.5	1480.0	5985.0	11.2
750.0	744.7	4.374	4.317	34.364	27.247	30.702	27.241	89.2	12.971	90.5	1479.8	6113.0	9.8
760.0	754.6	4.349	4.291	34.371	27.256	30.757	27.250	88.4	13.060	90.5	1479.9	6241.9	5.4
770.0	764.5	4.343	4.284	34.378	27.262	30.809	27.255	87.9	13.148	90.5	1480.1	6371.7	7.7
780.0	774.5	4.321	4.261	34.381	27.266	30.859	27.260	87.6	13.236	90.5	1480.1	6502.3	1.6
790.0	784.3	4.315	4.255	34.384	27.269	30.908	27.263	87.3	13.323	90.6	1480.3	6633.8	8.6
800.0	794.3	4.329	4.268	34.393	27.276	30.960	27.269	86.9	13.411	90.5	1480.5	6766.2	6.6
810.0	804.2	4.287	4.225	34.399	27.284	31.015	27.278	86.0	13.497	90.5	1480.5	6899.4	3.4
820.0	814.0	4.286	4.223	34.406	27.290	31.067	27.284	85.6	13.583	90.5	1480.7	7033.4	5.4
830.0	824.0	4.295	4.232	34.418	27.299	31.121	27.292	84.9	13.668	90.5	1480.9	7168.3	11.0
840.0	833.8	4.257	4.193	34.423	27.307	31.175	27.300	84.2	13.753	90.5	1480.9	7304.0	4.9
850.0	843.8	4.231	4.166	34.427	27.313	31.227	27.306	83.7	13.837	90.5	1481.0	7440.6	2.8
860.0	853.7	4.201	4.135	34.431	27.319	31.280	27.313	83.1	13.920	90.5	1481.0	7578.0	6.9
870.0	863.5	4.170	4.104	34.437	27.327	31.334	27.320	82.4	14.003	90.5	1481.1	7716.1	3.4
880.0	873.4	4.154	4.087	34.440	27.332	31.385	27.325	82.0	14.085	90.5	1481.2	7855.1	17.2
890.0	883.3	4.126	4.059	34.444	27.337	31.436	27.330	81.6	14.167	90.4	1481.2	7994.9	4.0
900.0	893.2	4.093	4.025	34.450	27.346	31.491	27.339	80.8	14.248	90.6	1481.2	8135.5	11.3
910.0	903.1	4.081	4.012	34.454	27.351	31.542	27.344	80.4	14.328	90.5	1481.4	8276.9	6.1
920.0	913.0	4.018	3.948	34.453	27.356	31.595	27.349	79.8	14.409	90.5	1481.3	8419.1	5.5
930.0	922.9	3.976	3.906	34.453	27.361	31.646	27.354	79.4	14.488	90.5	1481.2	8562.0	7.5
940.0	932.8	3.969	3.899	34.459	27.367	31.697	27.360	79.0	14.567	90.5	1481.4	8705.8	4.6
950.0	942.7	3.960	3.889	34.465	27.372	31.749	27.365	78.5	14.646	90.4	1481.5	8850.3	7.2
960.0	952.6	3.920	3.849	34.466	27.377	31.800	27.370	78.0	14.724	90.5	1481.5	8995.6	6.9
970.0	962.5	3.906	3.833	34.470	27.382	31.851	27.374	77.7	14.802	90.6	1481.6	9141.6	.5
980.0	972.4	3.897	3.824	34.473	27.385	31.899	27.377	77.5	14.880	90.4	1481.8	9288.4	6.7
990.0	982.3	3.877	3.803	34.477	27.390	31.951	27.383	77.0	14.957	90.5	1481.9	9436.0	3.2

Station	77	Latitude	32° 13.69'N		Longitude	125° 57.18'W		31 Aug 1989 GMT 13:32				Bottom	4357 m
Pres.	Depth	Temp.	Pot.T.	Sal	Sigma-θ	Sigma-z	Sigma-t	Delta	Dyn.Ht	LTR	SV	TF	N^2
db	m	°C	°C	0/00	kg/m^3	kg/m^3	kg/m^3	10^8m^3/kg	J/kg	0/0	m/s	m^3/s^2	10^6/s^2
1000.0	992.2	3.834	3.760	34.480	27.397	32.004	27.389	76.4	15.034	90.5	1481.8	9584.3	4.9
1020.0	1011.9	3.795	3.719	34.482	27.403	32.103	27.395	75.9	15.186	90.5	1482.0	9883.2	2.6
1040.0	1031.7	3.777	3.700	34.491	27.412	32.203	27.404	75.2	15.337	90.5	1482.3	10185.0	6.7
1060.0	1051.5	3.739	3.660	34.498	27.421	32.305	27.414	74.4	15.487	90.5	1482.5	10489.8	1.4
1080.0	1071.3	3.649	3.569	34.498	27.431	32.407	27.423	73.4	15.635	90.5	1482.4	10797.5	3.5
1100.0	1091.0	3.603	3.523	34.502	27.438	32.508	27.431	72.8	15.781	90.5	1482.5	11108.1	6.1
1120.0	1110.8	3.578	3.496	34.509	27.447	32.607	27.439	72.1	15.926	90.5	1482.8	11421.5	4.7
1140.0	1130.6	3.510	3.427	34.514	27.457	32.711	27.449	71.1	16.069	90.5	1482.8	11737.7	5.0
1160.0	1150.3	3.470	3.385	34.516	27.463	32.809	27.455	70.6	16.211	90.5	1483.0	12056.8	5.9
1180.0	1170.1	3.434	3.348	34.521	27.470	32.908	27.462	70.0	16.351	90.5	1483.2	12378.5	4.7
1200.0	1189.9	3.400	3.312	34.526	27.478	33.008	27.469	69.4	16.490	90.5	1483.4	12703.0	2.4
1220.0	1209.6	3.348	3.259	34.527	27.483	33.106	27.475	68.8	16.629	90.5	1483.5	13030.3	2.4
1240.0	1229.4	3.305	3.216	34.532	27.491	33.206	27.483	68.1	16.765	90.5	1483.6	13360.2	6.5
1260.0	1249.2	3.238	3.148	34.535	27.500	33.308	27.492	67.2	16.901	90.4	1483.7	13692.7	.3
1280.0	1268.9	3.182	3.090	34.538	27.508	33.408	27.499	66.5	17.035	90.5	1483.8	14027.9	4.4
1300.0	1288.7	3.137	3.044	34.540	27.514	33.507	27.505	66.0	17.167	90.4	1483.9	14365.7	1.8
1320.0	1308.4	3.097	3.003	34.543	27.521	33.606	27.512	65.3	17.298	90.4	1484.1	14706.0	2.7
1340.0	1328.2	3.048	2.953	34.547	27.528	33.706	27.519	64.6	17.428	90.5	1484.2	15048.9	5.9
1360.0	1347.9	3.023	2.927	34.550	27.533	33.803	27.524	64.2	17.557	90.5	1484.4	15394.3	3.6
1380.0	1367.6	2.984	2.886	34.552	27.538	33.900	27.529	63.7	17.685	90.4	1484.6	15742.2	5.7
1400.0	1387.4	2.955	2.856	34.555	27.544	33.997	27.534	63.3	17.812	90.4	1484.8	16092.6	.7
1420.0	1407.1	2.927	2.826	34.558	27.549	34.094	27.539	62.9	17.938	90.5	1485.0	16445.4	1.6
1440.0	1426.9	2.883	2.782	34.561	27.554	34.193	27.545	62.3	18.063	90.5	1485.2	16800.7	5.7
1460.0	1446.6	2.843	2.740	34.563	27.559	34.290	27.551	61.8	18.187	90.5	1485.4	17158.4	1.6
1480.0	1466.3	2.809	2.705	34.565	27.565	34.388	27.556	61.3	18.310	90.4	1485.5	17518.6	2.8
1500.0	1486.1	2.778	2.673	34.569	27.570	34.485	27.561	60.8	18.432	90.4	1485.7	17881.1	1.0
1520.0	1505.8	2.753	2.646	34.571	27.575	34.581	27.565	60.5	18.553	90.5	1486.0	18245.9	4.0
1540.0	1525.5	2.715	2.607	34.575	27.581	34.680	27.572	59.8	18.674	90.5	1486.1	18613.2	2.5
1560.0	1545.3	2.684	2.574	34.578	27.586	34.776	27.576	59.4	18.793	90.4	1486.3	18982.7	5.2
1580.0	1565.0	2.652	2.542	34.580	27.590	34.872	27.581	59.0	18.912	90.4	1486.5	19354.6	.5
1600.0	1584.7	2.622	2.510	34.582	27.595	34.969	27.585	58.6	19.029	90.4	1486.8	19728.7	2.0
1620.0	1604.4	2.588	2.475	34.585	27.600	35.066	27.590	58.1	19.146	90.5	1486.9	20105.1	.8
1640.0	1624.1	2.567	2.453	34.586	27.603	35.160	27.593	57.9	19.262	90.4	1487.2	20483.8	.0
1660.0	1643.8	2.534	2.418	34.589	27.608	35.257	27.598	57.4	19.377	90.4	1487.4	20864.7	4.9
1680.0	1663.6	2.500	2.383	34.591	27.613	35.354	27.603	56.8	19.491	90.4	1487.6	21247.9	1.4
1700.0	1683.3	2.478	2.360	34.593	27.617	35.450	27.607	56.5	19.605	90.5	1487.8	21633.2	3.2
1720.0	1703.0	2.450	2.330	34.595	27.621	35.545	27.611	56.2	19.718	90.4	1488.0	22020.8	2.9
1740.0	1722.7	2.425	2.304	34.597	27.624	35.640	27.614	55.8	19.829	90.4	1488.3	22410.5	.6
1760.0	1742.4	2.380	2.258	34.602	27.632	35.740	27.622	55.1	19.940	90.5	1488.4	22802.4	3.5
1780.0	1762.1	2.356	2.233	34.603	27.635	35.835	27.625	54.8	20.050	90.4	1488.6	23196.4	4.4
1800.0	1781.8	2.335	2.210	34.604	27.638	35.929	27.628	54.5	20.159	90.3	1488.9	23592.5	.1
1820.0	1801.5	2.302	2.176	34.607	27.643	36.026	27.633	54.0	20.268	90.4	1489.1	23990.8	1.8
1840.0	1821.2	2.280	2.152	34.610	27.647	36.122	27.636	53.7	20.376	90.4	1489.3	24391.1	3.6
1860.0	1840.9	2.260	2.131	34.611	27.650	36.216	27.639	53.4	20.483	90.4	1489.6	24793.5	2.4
1880.0	1860.6	2.235	2.105	34.614	27.654	36.311	27.643	53.0	20.589	90.4	1489.8	25198.0	1.3
1900.0	1880.3	2.214	2.082	34.615	27.657	36.406	27.646	52.7	20.695	90.4	1490.0	25604.5	1.6
1920.0	1900.0	2.201	2.068	34.617	27.659	36.499	27.649	52.5	20.800	90.4	1490.3	26013.1	3.4
1940.0	1919.7	2.177	2.043	34.618	27.662	36.593	27.652	52.2	20.905	90.4	1490.6	26423.7	.7
1960.0	1939.4	2.159	2.023	34.620	27.665	36.687	27.654	52.0	21.009	90.5	1490.8	26836.3	3.1
1980.0	1959.1	2.141	2.004	34.621	27.668	36.781	27.657	51.8	21.113	90.4	1491.1	27250.9	.2
2000.0	1978.8	2.125	1.987	34.622	27.670	36.874	27.659	51.5	21.216	90.4	1491.3	27667.5	-.4
2050.0	2027.9	2.070	1.928	34.627	27.679	37.111	27.668	50.7	21.472	90.4	1491.9	28717.7	2.6
2100.0	2077.1	2.035	1.889	34.631	27.685	37.344	27.674	50.2	21.724	90.5	1492.6	29780.2	1.1
2150.0	2126.3	2.000	1.850	34.636	27.692	37.577	27.680	49.7	21.974	90.4	1493.3	30854.8	2.7
2200.0	2175.5	1.968	1.815	34.639	27.697	37.809	27.685	49.2	22.222	90.4	1494.0	31941.3	2.1
2250.0	2224.6	1.931	1.774	34.641	27.702	38.040	27.690	48.8	22.467	90.4	1494.7	33039.7	1.6
2300.0	2273.8	1.897	1.736	34.644	27.707	38.271	27.695	48.3	22.709	90.4	1495.4	34149.8	3.4
2350.0	2322.9	1.863	1.699	34.647	27.712	38.502	27.700	47.9	22.950	90.4	1496.1	35271.5	.8
2400.0	2372.1	1.834	1.665	34.650	27.717	38.732	27.704	47.5	23.188	90.4	1496.8	36404.7	1.4
2450.0	2421.2	1.805	1.633	34.653	27.722	38.963	27.709	47.1	23.424	90.4	1497.5	37549.3	1.7
2500.0	2470.3	1.784	1.607	34.655	27.725	39.191	27.712	46.8	23.659	90.3	1498.3	38705.2	2.4
2550.0	2519.4	1.766	1.585	34.658	27.729	39.419	27.716	46.6	23.893	90.4	1499.1	39872.3	1.2
2600.0	2568.4	1.748	1.563	34.660	27.732	39.646	27.719	46.4	24.125	90.4	1499.8	41050.6	1.6
2650.0	2617.5	1.722	1.533	34.661	27.736	39.874	27.722	46.1	24.357	90.4	1500.6	42240.0	-.2
2700.0	2666.6	1.704	1.511	34.663	27.739	40.101	27.725	45.9	24.586	90.4	1501.3	43440.5	1.1
2750.0	2715.6	1.687	1.489	34.665	27.742	40.327	27.727	45.7	24.815	90.5	1502.1	44651.9	1.1
2800.0	2764.6	1.667	1.465	34.666	27.744	40.553	27.729	45.5	25.043	90.4	1502.9	45874.2	1.4
2850.0	2813.6	1.647	1.441	34.667	27.748	40.779	27.733	45.3	25.270	90.4	1503.6	47107.4	.6
2900.0	2862.6	1.634	1.424	34.669	27.750	41.004	27.734	45.2	25.496	90.4	1504.4	48351.4	-.2
2950.0	2911.6	1.617	1.402	34.670	27.753	41.230	27.737	45.0	25.721	90.4	1505.2	49606.2	-.5
3000.0	2960.6	1.606	1.387	34.672	27.755	41.454	27.739	44.8	25.946	90.4	1506.0	50871.7	.4
3050.0	3009.6	1.595	1.371	34.673	27.757	41.678	27.741	44.8	26.170	90.4	1506.8	52147.9	-.4
3100.0	3058.6	1.584	1.355	34.674	27.759	41.902	27.743	44.7	26.393	90.4	1507.6	53434.8	.0
3122.0	3080.1	1.578	1.347	34.674	27.760	41.999	27.743	44.6	26.491	90.4	1508.0	54004.4	.0

Station 78 Latitude 32° 00.59'N Longitude 126° 05.20'W 31 Aug 1989 GMT 16:42 Bottom 4050 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m³	Sigma-z kg/m³	Sigma-t kg/m³	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
.0	.0	18.951	18.951	33.482	23.875	23.875	23.875	401.9	.000	90.1	1517.4	.0	.0
10.0	10.0	18.950	18.948	33.482	23.876	23.919	23.875	402.2	.402	90.1	1517.6	2.0	.2
20.0	19.9	18.952	18.948	33.482	23.875	23.962	23.875	402.6	.804	90.1	1517.7	8.0	-.8
30.0	29.9	18.954	18.949	33.482	23.876	24.006	23.875	402.9	1.207	90.0	1517.9	18.0	1.1
40.0	39.9	18.956	18.949	33.482	23.876	24.050	23.874	403.3	1.610	90.1	1518.1	32.1	.5
50.0	49.8	18.956	18.947	33.484	23.877	24.094	23.875	403.6	2.014	90.1	1518.2	50.2	1.4
60.0	59.8	18.679	18.669	33.478	23.943	24.204	23.940	397.6	2.417	89.7	1517.6	72.2	218.6
70.0	69.8	17.712	17.700	33.512	24.206	24.512	24.204	372.8	2.802	89.8	1515.0	98.3	364.9
80.0	79.8	16.370	16.358	33.559	24.559	24.910	24.556	339.4	3.155	90.0	1511.2	128.0	238.5
90.0	89.7	15.504	15.490	33.543	24.742	25.139	24.739	322.1	3.486	90.2	1508.7	161.1	143.8
100.0	99.7	15.236	15.221	33.643	24.878	25.319	24.875	309.4	3.803	90.2	1508.1	197.4	116.8
110.0	109.6	13.984	13.968	33.446	24.993	25.481	24.990	298.5	4.109	90.2	1504.0	236.8	135.3
120.0	119.6	13.826	13.809	33.542	25.101	25.632	25.097	288.6	4.403	90.3	1503.7	279.1	54.5
130.0	129.5	13.472	13.454	33.580	25.203	25.779	25.199	279.1	4.687	90.5	1502.8	324.4	158.4
140.0	139.5	12.650	12.631	33.565	25.354	25.978	25.351	264.7	4.958	90.6	1500.2	372.4	107.3
150.0	149.4	12.267	12.247	33.553	25.419	26.088	25.415	258.7	5.221	90.7	1499.0	423.0	81.2
160.0	159.4	11.641	11.620	33.545	25.531	26.247	25.527	248.2	5.472	90.7	1497.0	476.2	-2.7
170.0	169.3	11.091	11.070	33.548	25.633	26.395	25.629	238.6	5.717	90.9	1495.2	531.9	203.9
180.0	179.3	10.679	10.658	33.591	25.739	26.548	25.735	228.6	5.949	90.9	1494.0	589.9	92.3
190.0	189.2	10.121	10.099	33.635	25.870	26.726	25.866	216.2	6.171	90.9	1492.2	650.2	161.0
200.0	199.2	9.607	9.585	33.752	26.047	26.950	26.044	199.4	6.380	91.1	1490.6	712.6	201.6
210.0	209.1	9.382	9.359	33.803	26.124	27.072	26.120	192.2	6.575	90.9	1490.0	777.0	80.1
220.0	219.0	9.142	9.118	33.867	26.213	27.208	26.209	183.9	6.762	90.9	1489.3	843.3	43.7
230.0	229.0	8.897	8.873	33.929	26.300	27.341	26.296	175.7	6.942	90.9	1488.7	911.4	63.9
240.0	238.9	8.705	8.680	33.945	26.342	27.430	26.338	171.8	7.116	90.9	1488.1	981.2	73.2
250.0	248.9	8.456	8.430	33.978	26.407	27.540	26.403	165.8	7.285	90.8	1487.4	1052.8	38.6
260.0	258.8	8.327	8.300	33.989	26.435	27.615	26.431	163.2	7.449	90.8	1487.1	1126.0	32.5
270.0	268.7	8.125	8.098	33.999	26.473	27.700	26.470	159.6	7.610	90.9	1486.5	1200.8	36.5
280.0	278.6	7.926	7.898	34.007	26.510	27.782	26.506	156.3	7.768	90.9	1485.9	1277.1	32.7
290.0	288.6	7.817	7.788	34.011	26.528	27.847	26.524	154.6	7.924	90.8	1485.6	1355.1	33.0
300.0	298.5	7.644	7.615	34.012	26.554	27.920	26.550	152.2	8.077	90.8	1485.1	1434.5	9.5
310.0	308.5	7.561	7.531	34.013	26.567	27.978	26.563	151.1	8.229	90.7	1485.0	1515.5	5.4
320.0	318.4	7.448	7.417	34.019	26.588	28.045	26.584	149.2	8.379	90.7	1484.7	1598.0	22.4
330.0	328.3	7.292	7.261	34.024	26.614	28.118	26.610	146.8	8.527	90.7	1484.3	1681.9	36.7
340.0	338.2	7.142	7.110	34.025	26.636	28.187	26.632	144.8	8.672	90.8	1483.9	1767.3	15.6
350.0	348.2	6.989	6.956	34.032	26.662	28.260	26.658	142.3	8.816	90.8	1483.4	1854.1	28.7
360.0	358.1	6.833	6.800	34.036	26.687	28.331	26.682	140.1	8.957	90.8	1483.0	1942.3	15.8
370.0	368.0	6.756	6.722	34.038	26.699	28.390	26.695	139.0	9.097	90.7	1482.8	2032.0	5.8
380.0	378.0	6.638	6.603	34.039	26.716	28.452	26.711	137.5	9.235	90.7	1482.5	2122.9	8.5
390.0	387.9	6.561	6.526	34.041	26.727	28.511	26.723	136.4	9.372	90.7	1482.4	2215.3	23.1
400.0	397.8	6.451	6.416	34.047	26.747	28.576	26.742	134.7	9.507	90.7	1482.1	2309.0	1.7
410.0	407.7	6.421	6.384	34.048	26.751	28.627	26.747	134.4	9.642	90.7	1482.2	2404.0	18.7
420.0	417.6	6.230	6.194	34.061	26.786	28.709	26.782	131.0	9.774	90.7	1481.6	2500.3	15.1
430.0	427.6	6.146	6.108	34.066	26.801	28.771	26.796	129.7	9.904	90.7	1481.4	2598.0	4.9
440.0	437.5	6.099	6.061	34.071	26.811	28.826	26.806	128.8	10.033	90.6	1481.4	2696.9	18.4
450.0	447.4	5.938	5.900	34.090	26.846	28.909	26.841	125.5	10.161	90.7	1481.0	2797.1	19.8
460.0	457.3	5.883	5.844	34.093	26.856	28.965	26.851	124.7	10.286	90.7	1480.9	2898.5	26.5
470.0	467.3	5.831	5.791	34.097	26.866	29.021	26.861	123.8	10.410	90.6	1480.9	3001.2	6.9
480.0	477.2	5.752	5.711	34.109	26.885	29.087	26.880	122.0	10.533	90.6	1480.7	3105.0	12.8
490.0	487.1	5.639	5.598	34.122	26.909	29.158	26.904	119.8	10.654	90.6	1480.5	3210.1	3.1
500.0	497.0	5.631	5.589	34.122	26.910	29.204	26.905	119.8	10.774	90.6	1480.6	3316.4	1.3
510.0	506.9	5.598	5.555	34.129	26.920	29.260	26.915	119.0	10.894	90.6	1480.6	3423.8	38.2
520.0	516.8	5.519	5.476	34.145	26.941	29.329	26.936	117.0	11.011	90.6	1480.5	3532.5	9.2
530.0	526.8	5.482	5.438	34.150	26.950	29.383	26.945	116.2	11.128	90.6	1480.5	3642.3	44.1
540.0	536.7	5.415	5.370	34.160	26.966	29.446	26.961	114.8	11.243	90.7	1480.4	3753.2	7.8
550.0	546.6	5.359	5.314	34.171	26.982	29.508	26.976	113.3	11.357	90.7	1480.4	3865.2	20.9
560.0	556.5	5.298	5.252	34.181	26.997	29.570	26.992	111.9	11.470	90.6	1480.3	3978.4	9.5
570.0	566.4	5.274	5.228	34.194	27.010	29.628	27.004	110.8	11.581	90.6	1480.4	4092.7	21.5
580.0	576.3	5.214	5.167	34.205	27.026	29.691	27.020	109.3	11.691	90.6	1480.3	4208.0	21.5
590.0	586.3	5.205	5.156	34.219	27.038	29.749	27.032	108.3	11.800	90.6	1480.4	4324.5	11.6
600.0	596.2	5.143	5.094	34.233	27.056	29.813	27.051	106.7	11.908	90.6	1480.4	4442.0	14.2
610.0	606.1	5.107	5.058	34.239	27.065	29.869	27.060	105.9	12.014	90.6	1480.4	4560.6	5.7
620.0	616.0	5.067	5.017	34.248	27.077	29.927	27.072	104.8	12.120	90.6	1480.4	4680.2	19.5
630.0	625.9	5.025	4.975	34.260	27.092	29.988	27.086	103.4	12.224	90.6	1480.4	4800.8	16.3
640.0	635.8	4.969	4.918	34.273	27.108	30.051	27.103	101.9	12.326	90.6	1480.4	4922.4	5.4
650.0	645.7	4.931	4.879	34.281	27.119	30.108	27.113	101.0	12.428	90.6	1480.4	5045.1	13.3
660.0	655.6	4.900	4.847	34.287	27.128	30.163	27.122	100.2	12.528	90.6	1480.4	5168.7	10.4
670.0	665.5	4.878	4.825	34.298	27.139	30.220	27.133	99.3	12.628	90.6	1480.5	5293.4	5.4
680.0	675.5	4.850	4.796	34.307	27.149	30.276	27.143	98.4	12.726	90.5	1480.6	5419.0	1.6
690.0	685.4	4.816	4.761	34.323	27.166	30.339	27.160	96.9	12.824	90.6	1480.6	5545.6	3.7
700.0	695.3	4.808	4.752	34.324	27.167	30.386	27.161	96.8	12.921	90.6	1480.8	5673.1	2.2
710.0	705.2	4.760	4.704	34.331	27.179	30.444	27.172	95.8	13.017	90.6	1480.7	5801.6	8.7
720.0	715.1	4.740	4.683	34.341	27.189	30.500	27.182	95.0	13.113	90.6	1480.8	5931.0	11.6
730.0	725.0	4.713	4.655	34.346	27.196	30.553	27.189	94.4	13.208	90.6	1480.9	6061.4	3.7
740.0	734.9	4.690	4.632	34.348	27.200	30.603	27.194	94.0	13.302	90.6	1481.0	6192.6	1.3
750.0	744.8	4.692	4.633	34.350	27.202	30.651	27.195	94.0	13.396	90.6	1481.1	6324.9	1.4
760.0	754.7	4.624	4.564	34.351	27.209	30.705	27.203	93.2	13.489	90.6	1481.0	6458.0	6.0
770.0	764.6	4.620	4.559	34.357	27.215	30.757	27.209	92.8	13.582	90.6	1481.2	6592.0	5.8
780.0	774.5	4.601	4.539	34.367	27.225	30.813	27.218	91.9	13.675	90.6	1481.3	6727.0	.2
790.0	784.4	4.595	4.533	34.372	27.230	30.864	27.223	91.5	13.766	90.6	1481.4	6862.9	9.0
800.0	794.3	4.585	4.522	34.378	27.236	30.915	27.229	91.1	13.858	90.6	1481.6	6999.6	5.8
810.0	804.2	4.522	4.459	34.385	27.248	30.974	27.241	89.9	13.948	90.5	1481.5	7137.3	11.0
820.0	814.1	4.492	4.428	34.395	27.259	31.031	27.253	88.9	14.038	90.6	1481.5	7275.8	9.3
830.0	824.0	4.440	4.375	34.402	27.271	31.090	27.264	87.8	14.126	90.6	1481.5	7415.2	9.9
840.0	833.9	4.425	4.359	34.408	27.277	31.142	27.270	87.4	14.214	90.6	1481.6	7555.5	2.8
850.0	843.8	4.396	4.330	34.412	27.284	31.194	27.277	86.8	14.301	90.6	1481.6	7696.7	7.5
860.0	853.7	4.363	4.296	34.416	27.291	31.248	27.284	86.2	14.387	90.6	1481.7	7838.6	8.1
870.0	863.6	4.322	4.255	34.421	27.299	31.302	27.292	85.4	14.473	90.5	1481.7	7981.5	11.1
880.0	873.5	4.313	4.245	34.426	27.304	31.353	27.297	85.0	14.559	90.6	1481.8	8125.1	9.9
890.0	883.4	4.299	4.230	34.430	27.309	31.404	27.302	84.6	14.643	90.7	1481.9	8269.7	10.8
900.0	893.3	4.259	4.190	34.439	27.320	31.462	27.313	83.6	14.727	90.6	1481.9	8415.0	7.8
910.0	903.2	4.231	4.161	34.442	27.325	31.513	27.318	83.2	14.811	90.6	1482.0	8561.1	3.5
920.0	913.1	4.206	4.135	34.445	27.331	31.565	27.323	82.7	14.894	90.6	1482.0	8708.1	15.2
930.0	923.0	4.160	4.089	34.450	27.340	31.620	27.332	81.9	14.976	90.6	1482.0	8855.9	5.5
940.0	932.9	4.135	4.063	34.454	27.345	31.672	27.338	81.4	15.058	90.6	1482.1	9004.5	8.1
950.0	942.8	4.113	4.041	34.457	27.350	31.723	27.343	81.0	15.139	90.6	1482.2	9153.8	3.2
960.0	952.7	4.073	4.000	34.461	27.358	31.777	27.350	80.2	15.219	90.5	1482.2	9304.0	6.7
970.0	962.6	4.041	3.967	34.463	27.362	31.828	27.355	79.8	15.300	90.6	1482.2	9455.0	4.3
980.0	972.5	4.009	3.935	34.469	27.370	31.882	27.363	79.1	15.379	90.6	1482.2	9606.7	11.7
990.0	982.3	3.984	3.909	34.471	27.375	31.933	27.367	78.7	15.458	90.6	1482.3	9759.2	2.9

Station 78 Latitude 32° 00.59'N Longitude 126° 05.20'W 31 Aug 1989 GMT 16:42 Bottom 4050 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.954	3.879	34.474	27.381	31.985	27.373	78.2	15.536	90.5	1482.3	9912.5	4.6
1020.0	1012.0	3.896	3.820	34.480	27.391	32.088	27.383	77.3	15.692	90.5	1482.4	10221.4	5.8
1040.0	1031.8	3.842	3.764	34.487	27.402	32.191	27.394	76.3	15.846	90.5	1482.5	10533.3	7.0
1060.0	1051.6	3.795	3.716	34.493	27.412	32.293	27.404	75.4	15.997	90.5	1482.7	10848.1	4.1
1080.0	1071.3	3.739	3.658	34.497	27.420	32.395	27.413	74.6	16.147	90.6	1482.8	11166.0	2.3
1100.0	1091.1	3.682	3.601	34.503	27.431	32.498	27.423	73.6	16.296	90.6	1482.9	11486.7	3.8
1120.0	1110.9	3.649	3.566	34.507	27.438	32.596	27.429	73.1	16.442	90.6	1483.1	11810.3	8.5
1140.0	1130.7	3.589	3.505	34.513	27.448	32.700	27.440	72.1	16.587	90.5	1483.2	12136.8	3.5
1160.0	1150.4	3.532	3.447	34.518	27.458	32.802	27.450	71.2	16.731	90.6	1483.3	12466.1	3.8
1180.0	1170.2	3.506	3.420	34.520	27.462	32.898	27.454	70.9	16.873	90.5	1483.5	12798.2	1.2
1200.0	1189.9	3.469	3.381	34.523	27.468	32.996	27.460	70.4	17.014	90.5	1483.7	13133.0	1.8
1220.0	1209.7	3.423	3.334	34.527	27.476	33.097	27.468	69.7	17.155	90.5	1483.8	13470.6	7.7
1240.0	1229.5	3.378	3.287	34.531	27.484	33.196	27.475	69.0	17.293	90.5	1483.9	13810.9	5.3
1260.0	1249.2	3.317	3.226	34.536	27.494	33.299	27.485	68.1	17.430	90.6	1484.0	14153.9	5.9
1280.0	1269.0	3.267	3.174	34.538	27.500	33.398	27.492	67.5	17.566	90.5	1484.1	14499.6	8.3
1300.0	1288.7	3.214	3.121	34.542	27.508	33.499	27.500	66.7	17.700	90.5	1484.3	14847.9	4.2
1320.0	1308.5	3.178	3.083	34.546	27.515	33.598	27.506	66.1	17.833	90.5	1484.4	15198.8	1.3
1340.0	1328.2	3.148	3.052	34.548	27.519	33.694	27.511	65.7	17.964	90.5	1484.6	15552.3	4.8
1360.0	1348.0	3.115	3.018	34.550	27.524	33.791	27.515	65.3	18.095	90.5	1484.8	15908.3	4.2
1380.0	1367.7	3.069	2.970	34.552	27.530	33.889	27.521	64.8	18.226	90.5	1485.0	16266.9	3.0
1400.0	1387.5	3.051	2.951	34.554	27.534	33.984	27.524	64.5	18.355	90.5	1485.2	16628.0	5.1
1420.0	1407.2	3.007	2.906	34.559	27.542	34.084	27.532	63.8	18.483	90.5	1485.4	16991.6	6.6
1440.0	1426.9	2.983	2.880	34.561	27.545	34.180	27.536	63.5	18.610	90.5	1485.6	17357.7	.4
1460.0	1446.7	2.937	2.833	34.564	27.552	34.279	27.543	62.8	18.737	90.5	1485.8	17726.2	6.0
1480.0	1466.4	2.890	2.785	34.564	27.557	34.376	27.547	62.4	18.862	90.5	1485.9	18097.2	5.2
1500.0	1486.2	2.832	2.726	34.567	27.564	34.476	27.554	61.6	18.986	90.5	1486.0	18470.6	-1.0
1520.0	1505.9	2.794	2.686	34.571	27.570	34.575	27.561	61.0	19.108	90.5	1486.1	18846.5	1.1
1540.0	1525.6	2.755	2.646	34.572	27.576	34.672	27.566	60.5	19.230	90.5	1486.3	19224.6	.5
1560.0	1545.3	2.739	2.629	34.572	27.577	34.765	27.567	60.5	19.351	90.5	1486.6	19605.2	.2
1580.0	1565.1	2.737	2.625	34.578	27.582	34.860	27.572	60.1	19.471	90.5	1486.9	19988.1	1.4
1600.0	1584.8	2.708	2.595	34.581	27.587	34.957	27.577	59.6	19.591	90.5	1487.1	20373.3	2.0
1620.0	1604.5	2.673	2.559	34.583	27.591	35.054	27.581	59.2	19.710	90.5	1487.3	20760.8	4.6
1640.0	1624.2	2.627	2.512	34.586	27.598	35.153	27.588	58.5	19.827	90.5	1487.4	21150.7	3.5
1660.0	1643.9	2.600	2.484	34.589	27.603	35.249	27.592	58.1	19.944	90.5	1487.7	21542.8	4.1
1680.0	1663.7	2.571	2.453	34.591	27.607	35.345	27.597	57.7	20.060	90.5	1487.9	21937.1	2.3
1700.0	1683.4	2.547	2.428	34.593	27.611	35.440	27.601	57.4	20.175	90.5	1488.1	22333.7	1.2
1720.0	1703.1	2.526	2.406	34.595	27.615	35.535	27.604	57.1	20.289	90.5	1488.4	22732.5	1.5
1740.0	1722.8	2.488	2.367	34.598	27.620	35.633	27.610	56.5	20.403	90.5	1488.5	23133.5	2.4
1760.0	1742.5	2.464	2.341	34.599	27.623	35.728	27.613	56.2	20.516	90.5	1488.8	23536.7	.6
1780.0	1762.2	2.427	2.303	34.602	27.628	35.825	27.618	55.7	20.628	90.5	1488.9	23942.1	2.4
1800.0	1781.9	2.385	2.260	34.606	27.635	35.924	27.625	55.0	20.738	90.5	1489.1	24349.6	2.4
1820.0	1801.6	2.353	2.227	34.607	27.639	36.019	27.628	54.6	20.848	90.5	1489.3	24759.3	.1
1840.0	1821.3	2.322	2.194	34.608	27.642	36.114	27.631	54.3	20.957	90.5	1489.5	25171.1	2.4
1860.0	1841.0	2.294	2.165	34.610	27.646	36.210	27.635	53.9	21.065	90.5	1489.7	25585.0	.7
1880.0	1860.7	2.270	2.139	34.611	27.649	36.305	27.638	53.6	21.173	90.4	1489.9	26000.9	2.5
1900.0	1880.4	2.247	2.115	34.613	27.653	36.399	27.642	53.3	21.279	90.4	1490.2	26419.0	4.2
1920.0	1900.1	2.227	2.094	34.615	27.656	36.494	27.645	53.0	21.386	90.5	1490.4	26839.1	.4
1940.0	1919.8	2.214	2.079	34.617	27.658	36.587	27.647	52.8	21.492	90.4	1490.7	27261.2	3.4
1960.0	1939.5	2.188	2.052	34.620	27.663	36.684	27.652	52.3	21.597	90.5	1490.9	27685.4	1.9
1980.0	1959.2	2.179	2.041	34.620	27.664	36.776	27.653	52.3	21.701	90.4	1491.2	28111.6	1.7
2000.0	1978.8	2.155	2.016	34.621	27.667	36.869	27.656	52.0	21.806	90.4	1491.5	28539.8	.2
2050.0	2028.1	2.108	1.965	34.625	27.674	37.104	27.663	51.4	22.064	90.4	1492.1	29619.1	2.6
2100.0	2077.2	2.065	1.919	34.629	27.681	37.338	27.669	50.8	22.319	90.4	1492.8	30710.8	2.0
2150.0	2126.4	2.026	1.877	34.632	27.687	37.571	27.675	50.2	22.572	90.4	1493.4	31814.7	-.6
2200.0	2175.6	1.994	1.841	34.636	27.692	37.803	27.681	49.8	22.822	90.4	1494.1	32930.7	1.2
2250.0	2224.8	1.954	1.796	34.639	27.698	38.035	27.686	49.3	23.070	90.4	1494.8	34058.7	3.9
2300.0	2273.9	1.917	1.756	34.643	27.704	38.267	27.692	48.7	23.314	90.4	1495.5	35198.5	.7
2350.0	2323.0	1.890	1.725	34.646	27.709	38.498	27.697	48.3	23.557	90.4	1496.2	36350.0	1.4
2400.0	2372.1	1.865	1.696	34.647	27.713	38.726	27.700	48.1	23.798	90.4	1497.0	37513.2	.2
2450.0	2421.3	1.840	1.667	34.651	27.718	38.957	27.705	47.7	24.037	90.4	1497.7	38687.8	1.4
2500.0	2470.4	1.814	1.637	34.653	27.722	39.185	27.708	47.3	24.274	90.3	1498.4	39873.9	1.5
2550.0	2519.5	1.789	1.608	34.657	27.727	39.415	27.713	47.0	24.510	90.4	1499.2	41071.3	.4
2600.0	2568.5	1.765	1.580	34.659	27.730	39.643	27.717	46.7	24.744	90.4	1499.9	42279.9	-.5
2650.0	2617.6	1.738	1.549	34.661	27.735	39.872	27.721	46.3	24.976	90.4	1500.6	43499.7	1.6
2700.0	2666.7	1.714	1.521	34.663	27.738	40.099	27.724	46.0	25.207	90.3	1501.4	44730.6	.2
2750.0	2715.7	1.694	1.496	34.665	27.741	40.326	27.727	45.8	25.437	90.3	1502.1	45972.5	1.4
2800.0	2764.7	1.681	1.479	34.666	27.743	40.551	27.728	45.7	25.665	90.4	1502.9	47225.4	.9
2850.0	2813.8	1.660	1.454	34.668	27.747	40.778	27.732	45.4	25.893	90.3	1503.7	48489.1	.9
2900.0	2862.8	1.636	1.426	34.669	27.750	41.004	27.735	45.2	26.120	90.4	1504.4	49763.7	.7
2950.0	2911.8	1.626	1.411	34.670	27.751	41.228	27.736	45.1	26.346	90.3	1505.2	51049.1	1.9
3000.0	2960.8	1.613	1.393	34.672	27.754	41.453	27.738	45.0	26.571	90.4	1506.0	52345.3	.7
3050.0	3009.7	1.592	1.369	34.673	27.757	41.678	27.741	44.7	26.795	90.4	1506.8	53652.1	.2
3100.0	3058.7	1.584	1.356	34.674	27.759	41.901	27.742	44.7	27.018	90.4	1507.6	54969.7	-.9
3150.0	3107.7	1.574	1.341	34.675	27.761	42.124	27.744	44.6	27.242	90.3	1508.4	56297.8	.9
3200.0	3156.6	1.560	1.322	34.677	27.763	42.348	27.746	44.4	27.464	90.4	1509.2	57636.6	1.5
3250.0	3205.5	1.554	1.312	34.677	27.764	42.570	27.747	44.5	27.687	90.3	1510.0	58985.9	1.6
3300.0	3254.5	1.538	1.291	34.679	27.768	42.794	27.750	44.2	27.908	90.3	1510.8	60345.8	1.3
3350.0	3303.4	1.532	1.280	34.680	27.769	43.016	27.751	44.2	28.129	90.3	1511.7	61716.3	.5
3400.0	3352.3	1.529	1.272	34.681	27.770	43.236	27.752	44.3	28.351	90.3	1512.5	63097.2	-.7
3450.0	3401.2	1.526	1.264	34.681	27.771	43.457	27.753	44.3	28.572	90.2	1513.3	64488.7	.3
3500.0	3450.0	1.518	1.251	34.683	27.774	43.678	27.754	44.2	28.793	90.3	1514.2	65890.6	-.3
3550.0	3498.9	1.510	1.239	34.684	27.775	43.899	27.756	44.2	29.014	90.2	1515.0	67303.1	.1
3600.0	3547.8	1.500	1.223	34.686	27.778	44.121	27.758	44.0	29.234	90.2	1515.8	68726.0	1.9
3650.0	3596.6	1.497	1.215	34.686	27.779	44.340	27.759	44.1	29.454	90.3	1516.6	70159.4	1.0
3700.0	3645.4	1.494	1.207	34.687	27.780	44.559	27.759	44.2	29.675	90.3	1517.5	71603.1	1.1
3750.0	3694.3	1.491	1.199	34.689	27.782	44.779	27.761	44.1	29.896	90.3	1518.3	73057.4	-.6
3800.0	3743.1	1.487	1.189	34.689	27.783	44.998	27.762	44.1	30.116	90.3	1519.2	74522.1	.3
3850.0	3791.9	1.485	1.182	34.690	27.784	45.217	27.763	44.1	30.337	90.2	1520.0	75997.2	1.8
3900.0	3840.7	1.485	1.177	34.691	27.785	45.435	27.763	44.2	30.558	90.2	1520.9	77482.8	-.2
3950.0	3889.5	1.491	1.177	34.691	27.785	45.651	27.763	44.4	30.779	90.3	1521.8	78978.9	.4
4000.0	3938.2	1.490	1.171	34.692	27.786	45.869	27.763	44.5	31.002	90.2	1522.6	80485.4	1.4
4050.0	3987.0	1.492	1.168	34.692	27.786	46.085	27.763	44.7	31.225	90.2	1523.5	82002.5	1.7
4074.0	4010.4	1.492	1.165	34.692	27.787	46.189	27.764	44.7	31.332	90.2	1523.9	82734.5	.0

Station 79 Latitude 31° 48.31'N Longitude 126° 12.21'W 31 Aug 1989 GMT 20:10 Bottom 2950 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.088	19.088	33.447	23.813	23.813	23.813	407.9	.000	90.1	1517.8	.0	.0
10.0	10.0	19.056	19.055	33.445	23.820	23.864	23.820	407.5	.408	90.2	1517.8	2.0	26.6
20.0	19.9	19.029	19.026	33.444	23.827	23.914	23.826	407.2	.815	90.2	1517.9	8.1	1.1
30.0	29.9	19.023	19.018	33.444	23.829	23.959	23.827	407.5	1.223	90.0	1518.1	18.3	2.0
40.0	39.9	18.617	18.610	33.426	23.918	24.092	23.916	399.3	1.629	89.8	1517.1	32.5	181.4
50.0	49.8	18.356	18.347	33.445	23.997	24.215	23.995	392.1	2.025	90.0	1516.5	50.7	105.3
60.0	59.8	17.006	16.997	33.478	24.348	24.611	24.346	358.8	2.403	89.9	1512.7	72.8	319.4
70.0	69.8	16.153	16.142	33.495	24.559	24.866	24.556	339.0	2.753	89.2	1510.3	98.5	382.8
80.0	79.7	15.767	15.755	33.573	24.706	25.058	24.703	325.3	3.080	89.4	1509.4	127.6	30.2
90.0	89.7	15.581	15.567	33.626	24.789	25.185	24.786	317.7	3.403	89.5	1509.0	159.9	178.3
100.0	99.7	15.005	14.990	33.616	24.908	25.348	24.904	306.6	3.714	89.4	1507.3	195.3	53.8
110.0	109.6	13.941	13.926	33.452	25.007	25.494	25.004	297.2	4.016	89.6	1503.9	233.8	150.8
120.0	119.6	13.537	13.521	33.484	25.115	25.648	25.112	287.1	4.309	89.8	1502.7	275.2	91.9
130.0	129.5	13.542	13.524	33.581	25.189	25.766	25.185	280.4	4.592	89.8	1503.0	319.5	37.5
140.0	139.5	12.931	12.912	33.592	25.320	25.943	25.317	268.0	4.867	90.0	1501.2	366.6	124.3
150.0	149.4	12.453	12.433	33.607	25.425	26.094	25.421	258.2	5.129	90.2	1499.7	416.4	117.8
160.0	159.4	11.862	11.842	33.610	25.540	26.254	25.536	247.4	5.382	90.1	1497.8	468.7	96.0
170.0	169.3	11.155	11.134	33.602	25.663	26.425	25.659	235.7	5.626	90.2	1495.5	523.4	222.7
180.0	179.3	10.713	10.692	33.615	25.752	26.561	25.749	227.3	5.856	90.2	1494.1	580.5	225.8
190.0	189.2	10.163	10.142	33.657	25.880	26.735	25.876	215.3	6.075	90.2	1492.3	639.9	74.9
200.0	199.2	9.902	9.879	33.682	25.944	26.845	25.940	209.3	6.287	90.3	1491.6	701.3	34.8
210.0	209.1	9.494	9.470	33.747	26.062	27.010	26.058	198.1	6.491	90.2	1490.3	764.9	230.6
220.0	219.0	9.229	9.205	33.815	26.158	27.152	26.154	189.1	6.681	90.3	1489.6	830.3	18.2
230.0	229.0	8.960	8.936	33.889	26.259	27.300	26.255	179.6	6.866	90.3	1488.9	897.7	37.2
240.0	238.9	8.835	8.810	33.914	26.298	27.385	26.294	176.1	7.044	90.1	1488.6	966.8	44.5
250.0	248.9	8.657	8.631	33.940	26.346	27.479	26.342	171.6	7.219	90.2	1488.1	1037.6	63.8
260.0	258.8	8.569	8.542	33.959	26.375	27.554	26.371	169.0	7.389	90.2	1488.0	1110.2	41.3
270.0	268.7	8.313	8.286	33.985	26.434	27.659	26.430	163.5	7.554	90.2	1487.2	1184.4	25.4
280.0	278.6	8.073	8.045	33.986	26.471	27.743	26.467	160.0	7.716	90.0	1486.4	1260.3	42.7
290.0	288.6	7.970	7.941	33.992	26.491	27.809	26.487	158.3	7.875	90.1	1486.2	1337.7	8.1
300.0	298.5	7.788	7.759	33.996	26.520	27.885	26.516	155.5	8.032	90.0	1485.7	1416.7	20.1
310.0	308.5	7.599	7.568	34.003	26.554	27.965	26.550	152.4	8.187	89.9	1485.1	1497.3	25.6
320.0	318.4	7.438	7.407	34.013	26.585	28.042	26.580	149.6	8.338	90.2	1484.7	1579.3	31.7
330.0	328.3	7.286	7.255	34.021	26.612	28.117	26.608	147.0	8.486	90.0	1484.3	1662.9	35.5
340.0	338.2	7.113	7.081	34.020	26.636	28.187	26.631	144.8	8.632	90.1	1483.7	1747.8	4.4
350.0	348.2	7.029	6.996	34.021	26.648	28.245	26.643	143.7	8.776	90.7	1483.6	1834.3	28.1
360.0	358.1	6.851	6.818	34.025	26.676	28.320	26.671	141.1	8.919	90.7	1483.0	1922.1	31.3
370.0	368.0	6.742	6.708	34.027	26.691	28.382	26.687	139.7	9.059	90.7	1482.8	2011.3	19.9
380.0	378.0	6.601	6.566	34.033	26.715	28.452	26.711	137.5	9.198	90.7	1482.4	2102.0	10.5
390.0	387.9	6.470	6.435	34.046	26.743	28.527	26.738	134.9	9.334	90.6	1482.1	2193.9	11.1
400.0	397.8	6.321	6.286	34.060	26.773	28.604	26.769	132.1	9.468	90.7	1481.6	2287.2	37.7
410.0	407.7	6.181	6.145	34.065	26.796	28.674	26.791	129.9	9.599	90.7	1481.3	2381.8	2.5
420.0	417.6	6.098	6.061	34.066	26.807	28.732	26.803	128.9	9.728	90.7	1481.1	2477.7	23.9
430.0	427.6	5.996	5.959	34.073	26.825	28.796	26.821	127.2	9.856	90.7	1480.8	2574.9	5.1
440.0	437.5	5.949	5.911	34.075	26.833	28.850	26.828	126.6	9.983	90.7	1480.8	2673.3	31.8
450.0	447.4	5.836	5.798	34.085	26.855	28.919	26.850	124.5	10.108	90.6	1480.5	2773.0	14.8
460.0	457.3	5.707	5.668	34.098	26.881	28.992	26.876	122.1	10.231	90.7	1480.2	2873.9	22.4
470.0	467.3	5.630	5.590	34.107	26.898	29.055	26.893	120.6	10.352	90.7	1480.1	2976.0	18.0
480.0	477.2	5.553	5.513	34.119	26.917	29.121	26.912	118.8	10.472	90.6	1479.9	3079.3	10.1
490.0	487.1	5.503	5.462	34.126	26.928	29.179	26.924	117.8	10.590	90.6	1479.9	3183.8	15.6
500.0	497.0	5.468	5.427	34.137	26.941	29.238	26.936	116.7	10.708	90.7	1479.9	3289.4	23.5
510.0	506.9	5.429	5.387	34.150	26.956	29.299	26.951	115.3	10.823	90.7	1480.0	3396.2	15.9
520.0	516.8	5.398	5.355	34.159	26.967	29.356	26.962	114.4	10.939	90.7	1480.0	3504.1	19.4
530.0	526.8	5.378	5.334	34.167	26.976	29.410	26.971	113.7	11.052	90.6	1480.1	3613.1	17.1
540.0	536.7	5.329	5.285	34.180	26.992	29.473	26.987	112.2	11.165	90.7	1480.1	3723.3	14.8
550.0	546.6	5.328	5.283	34.194	27.004	29.530	26.998	111.2	11.277	90.7	1480.3	3834.6	13.9
560.0	556.5	5.283	5.237	34.206	27.019	29.591	27.013	109.9	11.388	90.6	1480.3	3946.9	21.5
570.0	566.4	5.193	5.146	34.217	27.038	29.657	27.032	108.1	11.497	90.7	1480.1	4060.4	14.5
580.0	576.3	5.139	5.092	34.221	27.047	29.713	27.042	107.3	11.605	90.7	1480.0	4174.9	11.0
590.0	586.3	5.111	5.063	34.233	27.060	29.772	27.055	106.1	11.711	90.6	1480.1	4290.5	12.1
600.0	596.2	5.087	5.038	34.244	27.071	29.830	27.066	105.1	11.817	90.7	1480.2	4407.1	10.4
610.0	606.1	5.061	5.012	34.256	27.084	29.888	27.078	104.0	11.922	90.7	1480.2	4524.7	18.6
620.0	616.0	4.991	4.941	34.271	27.104	29.955	27.098	102.2	12.025	90.6	1480.1	4643.4	11.3
630.0	625.9	4.969	4.918	34.276	27.111	30.008	27.105	101.6	12.127	90.6	1480.2	4763.1	11.3
640.0	635.8	4.936	4.884	34.285	27.122	30.065	27.116	100.6	12.228	90.6	1480.2	4883.8	7.2
650.0	645.7	4.919	4.868	34.293	27.130	30.119	27.124	100.0	12.328	90.6	1480.4	5005.4	8.3
660.0	655.6	4.886	4.833	34.302	27.141	30.176	27.135	99.0	12.427	90.6	1480.4	5128.1	9.2
670.0	665.5	4.871	4.817	34.305	27.145	30.226	27.139	98.7	12.526	90.6	1480.5	5251.7	5.7
680.0	675.5	4.852	4.798	34.312	27.153	30.280	27.147	98.0	12.625	90.6	1480.6	5376.3	4.5
690.0	685.4	4.791	4.736	34.319	27.165	30.338	27.159	96.9	12.722	90.6	1480.5	5501.9	6.9
700.0	695.3	4.770	4.715	34.326	27.173	30.392	27.167	96.3	12.819	90.6	1480.6	5628.4	13.6
710.0	705.2	4.736	4.680	34.335	27.184	30.450	27.178	95.2	12.914	90.6	1480.6	5755.9	9.8
720.0	715.1	4.709	4.653	34.336	27.188	30.500	27.182	94.9	13.009	90.6	1480.7	5884.3	2.2
730.0	725.0	4.680	4.622	34.344	27.198	30.556	27.191	94.1	13.104	90.6	1480.7	6013.6	10.4
740.0	734.9	4.615	4.557	34.354	27.213	30.618	27.207	92.7	13.198	90.6	1480.7	6143.9	15.7
750.0	744.8	4.578	4.520	34.363	27.224	30.675	27.218	91.7	13.290	90.6	1480.7	6275.0	9.2
760.0	754.7	4.511	4.452	34.370	27.237	30.735	27.231	90.4	13.381	90.6	1480.6	6407.1	8.6
770.0	764.6	4.491	4.432	34.377	27.245	30.789	27.239	89.7	13.471	90.6	1480.7	6540.1	1.9
780.0	774.5	4.484	4.423	34.383	27.251	30.841	27.244	89.3	13.560	90.7	1480.8	6673.9	10.7
790.0	784.4	4.447	4.386	34.395	27.264	30.901	27.258	88.0	13.649	90.5	1480.8	6808.6	12.5
800.0	794.3	4.403	4.341	34.402	27.274	30.957	27.268	87.1	13.737	90.6	1480.8	6944.2	14.8
810.0	804.2	4.390	4.327	34.404	27.278	31.006	27.271	86.9	13.824	90.7	1480.9	7080.6	.5
820.0	814.1	4.376	4.313	34.407	27.282	31.056	27.275	86.6	13.911	90.6	1481.1	7217.9	11.9
830.0	824.0	4.353	4.289	34.413	27.289	31.110	27.282	86.0	13.997	90.6	1481.1	7356.1	1.1
840.0	833.9	4.337	4.272	34.417	27.294	31.160	27.287	85.6	14.083	90.6	1481.2	7495.1	9.0
850.0	843.8	4.307	4.242	34.419	27.299	31.212	27.292	85.2	14.169	90.6	1481.3	7634.9	11.6
860.0	853.7	4.277	4.211	34.424	27.306	31.264	27.299	84.6	14.253	90.6	1481.3	7775.6	7.2
870.0	863.6	4.245	4.178	34.428	27.313	31.318	27.306	84.0	14.338	90.6	1481.4	7917.1	8.1
880.0	873.5	4.199	4.132	34.432	27.321	31.372	27.313	83.2	14.421	90.6	1481.3	8059.4	1.4
890.0	883.4	4.190	4.122	34.441	27.329	31.426	27.322	82.5	14.504	90.6	1481.5	8202.5	11.6
900.0	893.3	4.115	4.047	34.442	27.337	31.482	27.330	81.7	14.586	90.6	1481.3	8346.5	3.7
910.0	903.2	4.127	4.058	34.452	27.344	31.534	27.337	81.1	14.667	90.5	1481.6	8491.2	8.7
920.0	913.1	4.060	3.990	34.457	27.355	31.592	27.348	80.1	14.748	90.6	1481.4	8636.8	2.3
930.0	923.0	4.056	3.986	34.461	27.359	31.642	27.352	79.8	14.828	90.6	1481.6	8783.1	.2
940.0	932.9	4.025	3.954	34.465	27.365	31.694	27.358	79.2	14.907	90.6	1481.6	8930.2	5.5
950.0	942.8	4.005	3.933	34.468	27.370	31.745	27.363	78.8	14.986	90.6	1481.7	9078.1	3.4
960.0	952.7	3.985	3.912	34.472	27.375	31.796	27.368	78.4	15.065	90.6	1481.8	9226.7	14.6
970.0	962.6	3.945	3.873	34.476	27.383	31.850	27.375	77.7	15.143	90.6	1481.8	9376.1	5.8
980.0	972.5	3.927	3.853	34.478	27.386	31.900	27.378	77.4	15.221	90.7	1481.9	9526.3	2.3
990.0	982.3	3.924	3.849	34.478	27.386	31.946	27.378	77.5	15.298	90.6	1482.1	9677.2	1.4

Station 79 Latitude 31° 48.31'N Longitude 126° 12.21'W 31 Aug 1989 GMT 20:10 Bottom 2950 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.913	3.838	34.479	27.388	31.994	27.381	77.3	15.375	90.6	1482.2	9828.9	8.2
1020.0	1012.0	3.774	3.698	34.485	27.407	32.107	27.399	75.5	15.528	90.6	1481.9	10134.6	9.0
1040.0	1031.8	3.718	3.642	34.491	27.418	32.210	27.410	74.5	15.678	90.6	1482.0	10443.2	4.3
1060.0	1051.6	3.687	3.608	34.496	27.425	32.310	27.417	73.9	15.827	90.6	1482.2	10754.7	-.3
1080.0	1071.3	3.650	3.570	34.499	27.431	32.408	27.424	73.4	15.974	90.6	1482.4	11069.2	5.8
1100.0	1091.1	3.592	3.511	34.503	27.440	32.509	27.432	72.6	16.120	90.6	1482.5	11386.5	1.1
1120.0	1110.9	3.555	3.473	34.506	27.446	32.607	27.438	72.1	16.265	90.6	1482.7	11706.6	.6
1140.0	1130.7	3.508	3.425	34.509	27.453	32.707	27.445	71.5	16.408	90.6	1482.8	12029.6	2.6
1160.0	1150.4	3.465	3.380	34.511	27.459	32.805	27.451	70.9	16.551	90.6	1483.0	12355.3	1.5
1180.0	1170.2	3.407	3.321	34.515	27.468	32.907	27.460	70.1	16.692	90.7	1483.1	12683.8	6.2
1200.0	1189.9	3.336	3.249	34.521	27.479	33.011	27.471	69.0	16.831	90.6	1483.1	13015.1	15.2
1220.0	1209.7	3.255	3.168	34.524	27.490	33.116	27.482	67.9	16.968	90.6	1483.1	13349.0	2.6
1240.0	1229.5	3.201	3.112	34.526	27.496	33.215	27.488	67.3	17.103	90.6	1483.2	13685.6	7.3
1260.0	1249.2	3.146	3.056	34.525	27.501	33.312	27.493	66.8	17.238	90.5	1483.3	14024.8	3.2
1280.0	1269.0	3.101	3.010	34.529	27.509	33.412	27.500	66.2	17.370	90.6	1483.4	14366.7	2.1
1300.0	1288.7	3.018	2.926	34.531	27.517	33.515	27.509	65.2	17.502	90.6	1483.4	14711.1	1.8
1320.0	1308.5	2.989	2.896	34.531	27.520	33.610	27.512	65.0	17.632	90.5	1483.6	15058.0	3.8
1340.0	1328.2	2.961	2.866	34.531	27.523	33.705	27.515	64.8	17.762	90.5	1483.8	15407.5	.3
1360.0	1348.0	2.946	2.850	34.531	27.525	33.798	27.516	64.7	17.891	90.5	1484.1	15759.5	1.5
1380.0	1367.7	2.929	2.832	34.531	27.526	33.890	27.517	64.7	18.021	90.6	1484.3	16114.1	2.1
1400.0	1387.5	2.902	2.804	34.532	27.529	33.986	27.521	64.4	18.149	90.6	1484.6	16471.1	1.3
1420.0	1407.2	2.868	2.769	34.530	27.531	34.079	27.522	64.2	18.278	90.6	1484.8	16830.7	-.2
1440.0	1426.9	2.865	2.764	34.531	27.532	34.171	27.523	64.3	18.407	90.5	1485.1	17192.7	.4
1460.0	1446.7	2.855	2.752	34.534	27.535	34.265	27.526	64.1	18.535	90.5	1485.4	17557.3	.1
1480.0	1466.4	2.849	2.744	34.538	27.540	34.361	27.530	63.8	18.663	90.5	1485.7	17924.4	5.4
1500.0	1486.2	2.803	2.698	34.540	27.545	34.459	27.536	63.2	18.790	90.5	1485.8	18293.9	.5
1520.0	1505.9	2.804	2.696	34.543	27.547	34.552	27.538	63.1	18.916	90.6	1486.2	18665.9	.8
1540.0	1525.6	2.828	2.718	34.554	27.554	34.648	27.545	62.7	19.043	90.5	1486.6	19040.4	7.0
1560.0	1545.3	2.803	2.693	34.558	27.560	34.746	27.550	62.2	19.167	90.5	1486.8	19417.3	.2
1580.0	1565.1	2.796	2.684	34.562	27.563	34.840	27.554	62.0	19.292	90.5	1487.1	19796.6	3.8
1600.0	1584.8	2.754	2.641	34.566	27.571	34.939	27.561	61.3	19.415	90.5	1487.3	20178.3	6.4
1620.0	1604.5	2.730	2.615	34.572	27.578	35.038	27.568	60.7	19.537	90.5	1487.5	20562.4	7.0
1640.0	1624.2	2.704	2.588	34.579	27.586	35.137	27.575	60.0	19.657	90.5	1487.8	20948.9	8.2
1660.0	1643.9	2.657	2.539	34.580	27.591	35.235	27.581	59.4	19.777	90.6	1487.9	21337.7	2.0
1680.0	1663.7	2.594	2.476	34.586	27.601	35.338	27.591	58.4	19.894	90.5	1488.0	21728.7	7.9
1700.0	1683.4	2.560	2.440	34.589	27.606	35.435	27.596	57.9	20.010	90.5	1488.2	22122.1	.6
1720.0	1703.1	2.539	2.418	34.590	27.609	35.530	27.599	57.6	20.126	90.5	1488.4	22517.7	.3
1740.0	1722.8	2.513	2.391	34.592	27.613	35.625	27.603	57.2	20.241	90.5	1488.6	22915.5	4.1
1760.0	1742.5	2.487	2.364	34.594	27.617	35.720	27.606	57.0	20.355	90.6	1488.9	23315.5	5.6
1780.0	1762.2	2.458	2.333	34.597	27.622	35.817	27.611	56.5	20.468	90.5	1489.1	23717.8	-.2
1800.0	1781.9	2.446	2.320	34.598	27.623	35.910	27.613	56.3	20.581	90.5	1489.3	24122.2	.1
1820.0	1801.6	2.412	2.284	34.601	27.629	36.007	27.618	55.8	20.693	90.5	1489.5	24528.8	1.6
1840.0	1821.3	2.400	2.271	34.603	27.632	36.101	27.621	55.6	20.805	90.5	1489.8	24937.6	4.5
1860.0	1841.0	2.355	2.225	34.607	27.639	36.200	27.628	54.8	20.915	90.5	1490.0	25348.5	6.6
1880.0	1860.7	2.286	2.156	34.613	27.649	36.304	27.639	53.7	21.024	90.5	1490.0	25761.5	5.1
1900.0	1880.4	2.260	2.128	34.615	27.653	36.399	27.642	53.3	21.130	90.5	1490.2	26176.6	-.7
1920.0	1900.1	2.248	2.115	34.616	27.655	36.492	27.644	53.2	21.237	90.5	1490.5	26593.8	3.4
1940.0	1919.8	2.216	2.081	34.618	27.659	36.588	27.648	52.7	21.343	90.5	1490.7	27013.0	-.1
1960.0	1939.5	2.193	2.056	34.620	27.663	36.683	27.652	52.4	21.448	90.5	1491.0	27434.3	.8
1980.0	1959.2	2.174	2.037	34.621	27.665	36.776	27.654	52.2	21.553	90.4	1491.2	27857.5	1.4
2000.0	1978.9	2.165	2.025	34.621	27.667	36.868	27.655	52.1	21.657	90.4	1491.5	28282.8	1.4
2050.0	2028.1	2.106	1.964	34.627	27.676	37.106	27.664	51.2	21.915	90.4	1492.1	29354.8	2.0
2100.0	2077.3	2.039	1.893	34.633	27.686	37.345	27.675	50.2	22.169	90.5	1492.7	30439.2	4.1
2150.0	2126.4	2.006	1.856	34.636	27.691	37.576	27.680	49.7	22.418	90.4	1493.4	31535.6	-.3
2200.0	2175.6	1.982	1.829	34.639	27.696	37.807	27.684	49.4	22.666	90.4	1494.1	32644.0	3.9
2250.0	2224.8	1.958	1.801	34.642	27.701	38.037	27.688	49.1	22.912	90.4	1494.8	33764.3	3.3
2300.0	2273.9	1.928	1.767	34.645	27.705	38.268	27.693	48.7	23.157	90.4	1495.5	34896.4	3.4
2350.0	2323.1	1.893	1.728	34.648	27.711	38.499	27.698	48.2	23.399	90.3	1496.2	36040.2	1.4
2400.0	2372.2	1.869	1.699	34.649	27.714	38.727	27.701	48.0	23.639	90.4	1497.0	37195.6	1.7
2450.0	2421.3	1.843	1.669	34.652	27.718	38.957	27.705	47.6	23.878	90.4	1497.7	38362.4	.6
2500.0	2470.4	1.806	1.629	34.655	27.724	39.188	27.711	47.1	24.115	90.4	1498.4	39540.7	.3
2550.0	2519.5	1.786	1.605	34.657	27.728	39.416	27.714	46.9	24.349	90.5	1499.2	40730.3	1.5
2600.0	2568.6	1.752	1.567	34.660	27.732	39.646	27.719	46.4	24.582	90.5	1499.9	41931.0	-.2
2650.0	2617.6	1.745	1.556	34.661	27.734	39.870	27.720	46.4	24.814	90.4	1500.7	43142.9	3.4
2700.0	2666.7	1.731	1.537	34.662	27.736	40.096	27.722	46.3	25.046	90.5	1501.5	44365.9	-1.0
2750.0	2715.7	1.690	1.492	34.665	27.742	40.327	27.728	45.7	25.275	90.4	1502.1	45599.9	1.1
2800.0	2764.8	1.672	1.470	34.667	27.745	40.553	27.730	45.5	25.503	90.4	1502.9	46844.9	-.9
2850.0	2813.8	1.654	1.448	34.668	27.748	40.779	27.733	45.3	25.730	90.4	1503.7	48100.7	.6
2900.0	2862.8	1.651	1.440	34.669	27.748	41.001	27.733	45.4	25.957	90.4	1504.5	49367.3	2.1
2950.0	2911.8	1.637	1.421	34.670	27.751	41.226	27.735	45.3	26.183	90.4	1505.3	50644.7	.4
3000.0	2960.8	1.608	1.388	34.672	27.755	41.454	27.739	44.8	26.408	90.4	1506.0	51933.0	-.7
3050.0	3009.8	1.592	1.368	34.674	27.758	41.679	27.742	44.6	26.632	90.4	1506.8	53231.9	-.1
3100.0	3058.7	1.583	1.354	34.676	27.760	41.903	27.744	44.5	26.855	90.4	1507.6	54541.4	3.8
3150.0	3107.7	1.562	1.329	34.677	27.763	42.127	27.746	44.3	27.076	90.3	1508.4	55861.5	.6
3200.0	3156.6	1.536	1.298	34.681	27.768	42.355	27.751	43.8	27.296	90.4	1509.1	57192.2	1.5
3250.0	3205.6	1.515	1.273	34.682	27.772	42.580	27.754	43.5	27.515	90.4	1509.9	58533.3	.1
3280.0	3234.9	1.506	1.261	34.683	27.773	42.714	27.756	43.4	27.645	90.4	1510.4	59342.9	.0

Station 80 Latitude 31° 45.22'N Longitude 126° 15.48'W 31 Aug 1989 GMT 22:48 Bottom 1400 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.287	19.287	33.458	23.771	23.771	23.771	411.9	.000	90.1	1518.3	.0	.0
10.0	10.0	19.219	19.217	33.462	23.792	23.836	23.792	410.2	.412	90.1	1518.3	2.1	66.0
20.0	19.9	19.108	19.105	33.460	23.819	23.906	23.819	408.0	.820	90.1	1518.2	8.2	3.0
30.0	29.9	19.084	19.078	33.458	23.824	23.954	23.823	407.9	1.228	90.0	1518.3	18.4	2.3
40.0	39.9	19.072	19.065	33.458	23.827	24.001	23.826	407.9	1.636	89.9	1518.4	32.7	5.1
50.0	49.9	18.569	18.560	33.436	23.938	24.155	23.936	397.7	2.041	89.8	1517.1	51.0	70.2
60.0	59.8	17.914	17.904	33.446	24.106	24.368	24.104	382.0	2.434	89.8	1515.4	73.3	501.6
70.0	69.8	16.338	16.327	33.468	24.496	24.803	24.493	345.1	2.795	89.8	1510.8	99.4	338.9
80.0	79.8	15.575	15.563	33.548	24.730	25.081	24.727	323.0	3.127	90.0	1508.7	128.9	197.6
90.0	89.7	14.927	14.914	33.467	24.809	25.206	24.806	315.6	3.446	90.0	1506.7	161.7	82.8
100.0	99.7	14.716	14.701	33.492	24.875	25.316	24.871	309.7	3.759	90.1	1506.3	197.5	66.3
110.0	109.6	14.211	14.195	33.482	24.974	25.461	24.971	300.4	4.063	90.2	1504.8	236.5	102.6
120.0	119.6	14.026	14.009	33.559	25.073	25.604	25.069	291.3	4.358	90.4	1504.4	278.4	47.2
130.0	129.5	13.675	13.657	33.622	25.194	25.770	25.190	280.0	4.644	90.5	1503.5	323.2	58.6
140.0	139.5	13.197	13.178	33.604	25.277	25.899	25.273	272.2	4.920	90.6	1502.1	370.8	34.2
150.0	149.4	12.651	12.631	33.597	25.379	26.048	25.376	262.6	5.189	90.7	1500.4	421.1	148.9
160.0	159.4	12.127	12.106	33.614	25.493	26.207	25.489	251.9	5.448	90.8	1498.8	474.0	187.1
170.0	169.3	11.399	11.377	33.618	25.632	26.393	25.628	238.7	5.693	90.8	1496.4	529.5	163.3
180.0	179.3	10.623	10.602	33.623	25.774	26.583	25.770	225.2	5.925	90.9	1493.8	587.2	133.0
190.0	189.2	10.148	10.127	33.664	25.888	26.743	25.884	214.5	6.144	90.9	1492.3	647.3	66.4
200.0	199.2	9.762	9.740	33.712	25.990	26.892	25.986	204.8	6.354	90.9	1491.1	709.4	88.3
210.0	209.1	9.516	9.492	33.757	26.066	27.014	26.062	197.8	6.555	90.9	1490.4	773.6	136.6
220.0	219.0	9.289	9.265	33.825	26.156	27.150	26.152	189.4	6.748	91.0	1489.8	839.7	51.9
230.0	229.0	8.996	8.971	33.890	26.254	27.295	26.250	180.1	6.933	90.9	1489.0	907.7	61.5
240.0	238.9	8.920	8.895	33.904	26.277	27.363	26.273	178.1	7.113	90.9	1488.9	977.5	52.2
250.0	248.9	8.553	8.527	33.966	26.383	27.516	26.379	168.1	7.285	90.9	1487.8	1049.0	62.4
260.0	258.8	8.510	8.483	33.970	26.392	27.571	26.388	167.3	7.453	90.8	1487.8	1122.2	25.5
270.0	268.7	8.278	8.250	33.988	26.442	27.667	26.438	162.7	7.619	90.8	1487.1	1197.1	50.9
280.0	278.7	8.102	8.074	33.999	26.477	27.749	26.473	159.5	7.780	90.8	1486.6	1273.6	45.6
290.0	288.6	8.016	7.986	33.998	26.489	27.807	26.485	158.4	7.939	90.8	1486.4	1351.7	18.4
300.0	298.5	7.865	7.836	34.004	26.516	27.880	26.512	156.0	8.096	90.7	1486.0	1431.3	10.7
310.0	308.5	7.662	7.632	34.008	26.549	27.959	26.544	152.9	8.250	90.7	1485.4	1512.5	32.4
320.0	318.4	7.490	7.459	34.009	26.575	28.032	26.570	150.5	8.402	90.6	1484.9	1595.1	22.4
330.0	328.3	7.372	7.340	34.015	26.596	28.099	26.591	148.6	8.552	90.5	1484.6	1679.3	12.1
340.0	338.3	7.282	7.250	34.018	26.611	28.160	26.606	147.3	8.699	90.4	1484.4	1765.0	15.9
350.0	348.2	7.069	7.036	34.023	26.645	28.242	26.640	144.1	8.845	90.2	1483.7	1852.1	15.6
360.0	358.1	6.919	6.885	34.027	26.668	28.312	26.664	141.9	8.988	90.0	1483.3	1940.6	19.9
370.0	368.0	6.777	6.743	34.028	26.688	28.378	26.684	140.1	9.129	89.8	1482.9	2030.5	18.7
380.0	378.0	6.630	6.596	34.032	26.711	28.448	26.706	137.9	9.268	89.6	1482.5	2121.8	19.0
390.0	387.9	6.513	6.478	34.041	26.733	28.517	26.729	135.9	9.405	89.4	1482.2	2214.5	9.9
400.0	397.8	6.427	6.391	34.049	26.752	28.582	26.747	134.2	9.540	89.1	1482.0	2308.5	27.8
410.0	407.7	6.326	6.290	34.053	26.768	28.644	26.763	132.7	9.673	88.8	1481.8	2403.9	12.8
420.0	417.7	6.133	6.096	34.065	26.802	28.726	26.797	129.5	9.805	88.5	1481.2	2500.5	29.8
430.0	427.6	6.026	5.989	34.069	26.818	28.789	26.814	127.9	9.934	88.1	1481.0	2598.5	8.1
440.0	437.5	5.975	5.937	34.071	26.827	28.844	26.822	127.2	10.061	87.8	1480.9	2697.7	6.3
450.0	447.4	5.917	5.879	34.076	26.838	28.901	26.833	126.3	10.188	87.7	1480.9	2798.1	14.8
460.0	457.4	5.813	5.773	34.086	26.859	28.969	26.854	124.2	10.313	87.4	1480.6	2899.8	2.5
470.0	467.3	5.788	5.748	34.090	26.865	29.021	26.860	123.8	10.437	87.3	1480.7	3002.8	20.4
480.0	477.2	5.704	5.664	34.099	26.883	29.086	26.878	122.2	10.560	87.2	1480.5	3106.9	4.8
490.0	487.1	5.653	5.612	34.108	26.896	29.145	26.891	121.0	10.682	87.1	1480.5	3212.3	1.9
500.0	497.0	5.569	5.527	34.122	26.917	29.213	26.912	119.0	10.802	87.1	1480.3	3318.8	6.0
510.0	507.0	5.548	5.505	34.124	26.921	29.263	26.916	118.7	10.920	87.2	1480.4	3426.6	18.6
520.0	516.9	5.479	5.436	34.142	26.944	29.332	26.939	116.7	11.038	87.7	1480.3	3535.4	21.8
530.0	526.8	5.428	5.384	34.154	26.960	29.394	26.955	115.2	11.154	88.0	1480.3	3645.5	13.0
540.0	536.7	5.383	5.339	34.163	26.972	29.453	26.967	114.1	11.269	88.3	1480.3	3756.7	6.6
550.0	546.6	5.347	5.302	34.167	26.980	29.507	26.975	113.5	11.383	88.7	1480.3	3869.0	13.6
560.0	556.5	5.313	5.267	34.183	26.997	29.569	26.991	112.0	11.495	89.0	1480.3	3982.4	13.6
570.0	566.5	5.304	5.257	34.195	27.007	29.625	27.002	111.1	11.607	89.4	1480.5	4096.9	10.4
580.0	576.4	5.262	5.214	34.206	27.021	29.685	27.015	109.9	11.717	89.7	1480.5	4212.6	11.3
590.0	586.3	5.227	5.179	34.221	27.037	29.747	27.031	108.5	11.826	89.9	1480.5	4329.3	16.0
600.0	596.2	5.172	5.123	34.232	27.052	29.809	27.047	107.1	11.934	90.1	1480.5	4447.0	1.3
610.0	606.1	5.107	5.057	34.234	27.062	29.865	27.056	106.2	12.041	90.1	1480.4	4565.9	2.5
620.0	616.0	5.079	5.029	34.253	27.080	29.930	27.074	104.5	12.146	90.2	1480.5	4685.7	16.8
630.0	625.9	5.042	4.991	34.264	27.093	29.989	27.087	103.4	12.250	90.3	1480.5	4806.6	11.6
640.0	635.8	4.998	4.947	34.274	27.106	30.048	27.100	102.2	12.353	90.3	1480.5	4928.5	2.8
650.0	645.8	4.970	4.918	34.289	27.121	30.109	27.115	100.9	12.455	90.3	1480.6	5051.5	12.2
660.0	655.7	4.904	4.851	34.295	27.133	30.168	27.127	99.8	12.555	90.4	1480.5	5175.4	22.1
670.0	665.6	4.859	4.806	34.306	27.147	30.229	27.141	98.5	12.654	90.4	1480.5	5300.3	11.9
680.0	675.5	4.794	4.741	34.313	27.160	30.288	27.154	97.3	12.752	90.4	1480.4	5426.1	8.3
690.0	685.4	4.755	4.701	34.321	27.171	30.345	27.165	96.3	12.849	90.3	1480.4	5553.0	11.3
700.0	695.3	4.721	4.666	34.331	27.183	30.403	27.177	95.3	12.944	90.4	1480.4	5680.7	6.9
710.0	705.2	4.685	4.629	34.337	27.192	30.458	27.185	94.5	13.039	90.4	1480.4	5809.4	12.4
720.0	715.1	4.648	4.592	34.348	27.204	30.517	27.198	93.3	13.133	90.4	1480.5	5939.1	14.5
730.0	725.0	4.640	4.583	34.353	27.210	30.568	27.203	92.9	13.226	90.4	1480.6	6069.6	12.7
740.0	734.9	4.602	4.544	34.359	27.219	30.624	27.212	92.1	13.319	90.5	1480.6	6201.1	14.5
750.0	744.8	4.565	4.507	34.363	27.226	30.677	27.219	91.5	13.410	90.4	1480.6	6333.5	4.8
760.0	754.7	4.522	4.462	34.370	27.236	30.734	27.229	90.5	13.502	90.4	1480.6	6466.7	19.5
770.0	764.6	4.490	4.431	34.380	27.247	30.792	27.241	89.5	13.592	90.5	1480.7	6600.9	6.3
780.0	774.5	4.488	4.427	34.381	27.249	30.839	27.243	89.5	13.681	90.4	1480.8	6735.9	1.3
790.0	784.4	4.455	4.394	34.391	27.260	30.896	27.253	88.5	13.770	90.5	1480.9	6871.8	12.5
800.0	794.3	4.445	4.383	34.396	27.266	30.948	27.259	88.0	13.859	90.5	1481.0	7008.6	17.2
810.0	804.2	4.391	4.329	34.402	27.276	31.004	27.269	87.1	13.946	90.5	1480.9	7146.3	7.5
820.0	814.1	4.372	4.308	34.403	27.279	31.054	27.273	86.8	14.033	90.5	1481.0	7284.8	3.1
830.0	824.0	4.344	4.280	34.409	27.287	31.107	27.279	86.2	14.120	90.5	1481.1	7424.1	10.4
840.0	833.9	4.333	4.268	34.410	27.289	31.155	27.282	86.1	14.206	90.5	1481.2	7564.3	3.4
850.0	843.8	4.308	4.243	34.415	27.295	31.208	27.288	85.5	14.291	90.5	1481.3	7705.4	2.8
860.0	853.7	4.281	4.215	34.422	27.304	31.263	27.297	84.7	14.376	90.5	1481.3	7847.3	1.7
870.0	863.6	4.274	4.207	34.423	27.306	31.310	27.299	84.7	14.461	90.5	1481.5	7990.0	4.0
880.0	873.5	4.245	4.177	34.428	27.313	31.363	27.306	84.0	14.545	90.5	1481.5	8133.5	12.8
890.0	883.4	4.232	4.164	34.430	27.316	31.412	27.309	83.8	14.629	90.6	1481.6	8277.9	2.6
900.0	893.3	4.224	4.155	34.434	27.320	31.462	27.312	83.5	14.713	90.5	1481.8	8423.1	5.8
910.0	903.2	4.193	4.123	34.438	27.327	31.515	27.319	82.9	14.796	90.6	1481.8	8569.1	9.6
920.0	913.1	4.141	4.070	34.444	27.336	31.572	27.329	82.0	14.879	90.5	1481.8	8715.9	16.9
930.0	923.0	4.121	4.050	34.447	27.341	31.622	27.333	81.6	14.961	90.6	1481.8	8863.6	6.1
940.0	932.9	4.071	4.000	34.452	27.350	31.678	27.343	80.7	15.042	90.5	1481.8	9012.0	3.7
950.0	942.8	4.047	3.975	34.458	27.357	31.731	27.350	80.1	15.122	90.5	1481.9	9161.2	8.7
960.0	952.7	4.033	3.960	34.463	27.363	31.783	27.355	79.7	15.202	90.5	1482.0	9311.2	4.6
970.0	962.6	4.012	3.939	34.463	27.366	31.832	27.358	79.5	15.282	90.6	1482.1	9462.0	5.8
980.0	972.5	3.976	3.902	34.470	27.375	31.887	27.367	78.6	15.361	90.5	1482.1	9613.6	8.7
990.0	982.4	3.957	3.882	34.471	27.377	31.936	27.370	78.4	15.439	90.5	1482.2	9765.9	4.3

Station 80 Latitude 31° 45.22'N Longitude 126° 15.48'W 31 Aug 1989 GMT 22:48 Bottom 1400 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
1000.0	992.3	3.938	3.862	34.473	27.382	31.986	27.374	78.1	15.517	90.5	1482.3	9919.0	5.8
1020.0	1012.0	3.872	3.795	34.484	27.396	32.094	27.389	76.7	15.672	90.6	1482.3	10227.5	3.5
1040.0	1031.8	3.766	3.689	34.495	27.416	32.207	27.408	74.8	15.824	90.5	1482.2	10539.0	13.4
1060.0	1051.6	3.685	3.607	34.500	27.429	32.313	27.421	73.6	15.972	90.5	1482.2	10853.4	4.6
1080.0	1071.4	3.638	3.559	34.501	27.434	32.411	27.427	73.1	16.118	90.5	1482.4	11170.6	14.0
1100.0	1091.1	3.569	3.488	34.507	27.446	32.515	27.438	72.0	16.263	90.5	1482.4	11490.8	-.3
1120.0	1110.9	3.552	3.470	34.508	27.448	32.610	27.440	71.9	16.407	90.5	1482.7	11813.7	-.6
1140.0	1130.7	3.526	3.442	34.509	27.451	32.705	27.444	71.6	16.550	90.6	1482.9	12139.5	4.1
1160.0	1150.4	3.482	3.398	34.512	27.458	32.804	27.450	71.1	16.693	90.5	1483.0	12468.0	.3
1180.0	1170.2	3.483	3.397	34.512	27.458	32.895	27.450	71.2	16.835	90.5	1483.4	12799.4	.0
1200.0	1190.0	3.405	3.318	34.519	27.471	33.001	27.463	70.0	16.976	90.5	1483.4	13133.5	4.4
1220.0	1209.7	3.371	3.282	34.521	27.476	33.098	27.468	69.5	17.116	90.5	1483.6	13470.3	5.9
1240.0	1229.5	3.329	3.239	34.524	27.483	33.197	27.474	69.0	17.254	90.5	1483.7	13809.9	1.2
1260.0	1249.3	3.227	3.137	34.528	27.495	33.304	27.487	67.6	17.391	90.6	1483.6	14152.1	1.8
1280.0	1269.0	3.155	3.063	34.525	27.500	33.403	27.492	67.1	17.525	90.5	1483.7	14497.0	8.8
1300.0	1288.8	3.052	2.959	34.526	27.510	33.507	27.502	66.0	17.658	90.5	1483.5	14844.5	11.5
1320.0	1308.5	2.938	2.845	34.524	27.519	33.611	27.511	64.9	17.789	90.5	1483.4	15194.5	2.1
1340.0	1328.3	2.923	2.829	34.522	27.520	33.703	27.511	64.9	17.918	90.4	1483.6	15547.1	-1.1
1346.0	1334.2	2.928	2.833	34.523	27.520	33.730	27.511	65.0	17.957	90.5	1483.8	15653.4	.0

Station 81 Latitude 31° 40.81'N Longitude 126° 17.03'W 01 Sep 1989 GMT 00:30 Bottom 3000 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.182	19.182	33.428	23.775	23.775	23.775	411.5	.000	90.0	1518.0	.0	.0
10.0	10.0	19.134	19.132	33.427	23.787	23.830	23.786	410.7	.412	90.0	1518.0	2.1	1.3
20.0	19.9	19.059	19.055	33.423	23.803	23.890	23.803	409.5	.822	90.0	1518.0	8.2	6.1
30.0	29.9	19.046	19.041	33.423	23.807	23.937	23.806	409.5	1.231	89.8	1518.1	18.4	3.2
40.0	39.9	18.761	18.754	33.444	23.895	24.069	23.893	401.5	1.638	89.8	1517.5	32.7	98.9
50.0	49.8	18.378	18.369	33.463	24.005	24.223	24.003	391.3	2.032	89.9	1516.6	51.0	4.0
60.0	59.8	17.387	17.377	33.473	24.254	24.516	24.252	367.8	2.418	89.8	1513.8	73.2	325.6
70.0	69.8	15.912	15.901	33.539	24.647	24.955	24.645	330.6	2.770	90.0	1509.6	99.1	131.2
80.0	79.8	15.749	15.737	33.568	24.706	25.058	24.703	325.3	3.099	90.0	1509.3	128.4	105.7
90.0	89.7	15.483	15.470	33.676	24.850	25.246	24.846	311.9	3.416	90.2	1508.8	160.8	16.7
100.0	99.7	15.431	15.415	33.713	24.890	25.330	24.886	308.4	3.726	90.2	1508.8	196.4	67.6
110.0	109.6	15.155	15.139	33.723	24.958	25.443	24.955	302.1	4.032	90.1	1508.1	235.0	126.8
120.0	119.6	14.901	14.883	33.748	25.033	25.563	25.029	295.2	4.330	90.2	1507.5	276.6	155.4
130.0	129.5	14.268	14.249	33.765	25.181	25.756	25.177	281.3	4.617	90.7	1505.6	321.2	118.1
140.0	139.5	13.516	13.497	33.674	25.267	25.888	25.263	273.3	4.895	90.6	1503.2	368.5	56.2
150.0	149.4	12.925	12.905	33.625	25.347	26.014	25.343	265.8	5.165	90.7	1501.3	418.6	158.0
160.0	159.4	12.436	12.415	33.597	25.421	26.134	25.417	258.9	5.426	90.7	1499.8	471.3	224.4
170.0	169.3	11.664	11.643	33.577	25.551	26.311	25.547	246.5	5.676	90.8	1497.3	526.5	32.7
180.0	179.3	11.247	11.225	33.556	25.611	26.418	25.607	240.9	5.920	90.8	1495.9	584.2	70.7
190.0	189.2	10.425	10.403	33.575	25.771	26.625	25.767	225.7	6.154	90.9	1493.2	644.2	112.7
200.0	199.2	9.880	9.857	33.662	25.931	26.833	25.928	210.5	6.372	90.9	1491.5	706.5	100.9
210.0	209.1	9.467	9.443	33.741	26.061	27.010	26.057	198.2	6.575	90.9	1490.2	770.9	60.4
220.0	219.1	9.187	9.163	33.805	26.157	27.152	26.153	189.2	6.769	90.9	1489.4	837.2	103.1
230.0	229.0	8.938	8.913	33.883	26.257	27.298	26.253	179.8	6.953	90.9	1488.8	905.4	-2.3
240.0	238.9	8.736	8.710	33.928	26.325	27.412	26.321	173.5	7.130	90.9	1488.2	975.4	56.2
250.0	248.9	8.585	8.559	33.946	26.362	27.495	26.358	170.1	7.302	90.8	1487.8	1047.1	45.4
260.0	258.8	8.432	8.405	33.969	26.403	27.583	26.399	166.3	7.471	90.9	1487.5	1120.5	42.7
270.0	268.7	8.332	8.304	33.984	26.430	27.655	26.426	163.9	7.636	90.9	1487.3	1195.5	41.8
280.0	278.7	8.189	8.161	33.992	26.459	27.730	26.454	161.3	7.798	90.8	1486.9	1272.2	14.0
290.0	288.6	7.969	7.940	33.998	26.496	27.813	26.492	157.8	7.958	90.8	1486.2	1350.5	34.7
300.0	298.5	7.754	7.725	34.002	26.531	27.896	26.527	154.5	8.114	90.8	1485.6	1430.3	23.3
310.0	308.5	7.601	7.570	34.004	26.554	27.965	26.550	152.4	8.268	90.8	1485.1	1511.6	31.8
320.0	318.4	7.431	7.401	34.009	26.583	28.041	26.579	149.7	8.419	90.8	1484.6	1594.5	18.0
330.0	328.3	7.226	7.195	34.020	26.620	28.125	26.616	146.2	8.567	90.8	1484.0	1678.8	61.6
340.0	338.3	6.993	6.962	34.008	26.643	28.195	26.638	144.0	8.712	90.8	1483.3	1764.6	32.2
350.0	348.2	6.774	6.742	34.011	26.675	28.274	26.671	141.0	8.855	90.7	1482.6	1851.8	40.4
360.0	358.1	6.686	6.653	34.018	26.692	28.338	26.688	139.4	8.995	90.6	1482.4	1940.4	10.2
370.0	368.0	6.508	6.475	34.014	26.713	28.406	26.708	137.5	9.134	90.6	1481.8	2030.4	26.6
380.0	378.0	6.407	6.373	34.017	26.728	28.468	26.724	136.1	9.271	90.6	1481.6	2121.8	26.0
390.0	387.9	6.296	6.261	34.026	26.750	28.535	26.745	134.1	9.405	90.6	1481.3	2214.5	17.2
400.0	397.8	6.189	6.154	34.030	26.767	28.600	26.763	132.5	9.539	90.5	1481.1	2308.5	11.9
410.0	407.7	6.044	6.009	34.044	26.796	28.676	26.792	129.8	9.670	90.5	1480.7	2403.8	18.9
420.0	417.7	5.994	5.958	34.053	26.810	28.735	26.805	128.6	9.799	90.5	1480.6	2500.4	17.7
430.0	427.6	5.880	5.843	34.067	26.835	28.807	26.830	126.2	9.926	90.4	1480.4	2598.3	5.1
440.0	437.5	5.834	5.797	34.071	26.844	28.863	26.840	125.4	10.052	90.4	1480.4	2697.4	12.7
450.0	447.4	5.763	5.725	34.084	26.864	28.928	26.859	123.7	10.177	90.5	1480.2	2797.8	25.9
460.0	457.4	5.658	5.619	34.090	26.881	28.993	26.876	122.0	10.300	90.5	1480.0	2899.3	12.1
470.0	467.3	5.593	5.554	34.095	26.893	29.051	26.888	121.0	10.421	90.5	1479.9	3002.1	11.5
480.0	477.2	5.578	5.538	34.104	26.902	29.106	26.897	120.2	10.542	90.5	1480.0	3106.1	18.6
490.0	487.1	5.541	5.500	34.122	26.920	29.170	26.915	118.6	10.661	90.5	1480.1	3211.3	10.4
500.0	497.0	5.487	5.446	34.140	26.942	29.238	26.937	116.6	10.779	90.6	1480.0	3317.6	22.7
510.0	507.0	5.448	5.406	34.151	26.955	29.298	26.950	115.5	10.894	90.6	1480.0	3425.1	4.5
520.0	516.9	5.377	5.335	34.157	26.968	29.357	26.963	114.3	11.009	90.6	1479.9	3533.7	13.9
530.0	526.8	5.301	5.257	34.164	26.982	29.418	26.977	112.9	11.123	90.5	1479.8	3643.4	10.9
540.0	536.7	5.269	5.225	34.178	26.997	29.479	26.992	111.6	11.235	90.6	1479.8	3754.3	6.3
550.0	546.6	5.233	5.188	34.193	27.013	29.541	27.008	110.2	11.346	90.6	1479.9	3866.2	5.4
560.0	556.5	5.201	5.155	34.209	27.030	29.604	27.025	108.7	11.456	90.6	1479.9	3979.3	23.5
570.0	566.5	5.160	5.113	34.215	27.040	29.660	27.034	107.9	11.564	90.6	1479.9	4093.4	4.2
580.0	576.4	5.120	5.073	34.222	27.050	29.717	27.045	106.9	11.671	90.7	1479.9	4208.6	15.6
590.0	586.3	5.082	5.035	34.233	27.063	29.776	27.058	105.8	11.778	90.6	1480.0	4324.8	5.7
600.0	596.2	5.031	4.983	34.249	27.082	29.841	27.076	104.1	11.882	90.6	1479.9	4442.1	10.7
610.0	606.1	4.991	4.942	34.257	27.093	29.898	27.087	103.1	11.986	90.5	1479.9	4560.4	25.0
620.0	616.0	4.969	4.920	34.272	27.108	29.959	27.102	101.8	12.089	90.6	1480.0	4679.7	22.7
630.0	625.9	4.909	4.859	34.279	27.120	30.017	27.114	100.7	12.190	90.6	1480.0	4800.0	10.7
640.0	635.8	4.880	4.830	34.293	27.134	30.078	27.128	99.4	12.290	90.6	1480.0	4921.3	10.7
650.0	645.7	4.861	4.810	34.305	27.146	30.135	27.140	98.4	12.388	90.6	1480.1	5043.6	4.8
660.0	655.7	4.812	4.760	34.313	27.158	30.194	27.152	97.3	12.486	90.6	1480.1	5166.8	20.9
670.0	665.6	4.761	4.708	34.322	27.171	30.254	27.165	96.1	12.583	90.6	1480.1	5291.0	4.2
680.0	675.5	4.748	4.695	34.326	27.176	30.304	27.170	95.7	12.679	90.6	1480.2	5416.2	10.4
690.0	685.4	4.698	4.644	34.332	27.186	30.361	27.180	94.8	12.774	90.5	1480.2	5542.3	11.0
700.0	695.3	4.679	4.624	34.337	27.192	30.413	27.186	94.3	12.869	90.6	1480.2	5669.3	5.4
710.0	705.2	4.663	4.608	34.343	27.199	30.466	27.193	93.7	12.963	90.6	1480.4	5797.3	12.1
720.0	715.1	4.619	4.563	34.354	27.213	30.526	27.206	92.5	13.056	90.6	1480.3	5926.1	21.5
730.0	725.0	4.566	4.509	34.364	27.226	30.586	27.220	91.2	13.148	90.6	1480.3	6055.9	2.8
740.0	734.9	4.547	4.490	34.367	27.231	30.637	27.225	90.9	13.239	90.6	1480.4	6186.6	9.2
750.0	744.8	4.547	4.489	34.375	27.237	30.689	27.231	90.4	13.329	90.6	1480.6	6318.1	7.2
760.0	754.7	4.506	4.447	34.378	27.244	30.742	27.238	89.8	13.419	90.6	1480.6	6450.6	7.8
770.0	764.6	4.466	4.406	34.387	27.255	30.800	27.249	88.8	13.509	90.6	1480.6	6583.9	10.7
780.0	774.5	4.446	4.385	34.394	27.263	30.854	27.257	88.1	13.597	90.5	1480.7	6718.1	8.7
790.0	784.4	4.401	4.340	34.397	27.271	30.908	27.264	87.4	13.685	90.6	1480.6	6853.2	13.9
800.0	794.3	4.337	4.276	34.402	27.282	30.965	27.275	86.3	13.772	90.5	1480.6	6989.2	6.0
810.0	804.2	4.328	4.266	34.407	27.286	31.016	27.280	86.0	13.858	90.5	1480.7	7125.9	3.1
820.0	814.1	4.336	4.273	34.418	27.294	31.070	27.288	85.3	13.943	90.5	1480.9	7263.6	9.8
830.0	824.0	4.301	4.238	34.421	27.301	31.123	27.294	84.8	14.028	90.6	1480.9	7402.0	6.9
840.0	833.9	4.266	4.202	34.423	27.306	31.174	27.299	84.3	14.113	90.6	1480.9	7541.3	3.4
850.0	843.8	4.246	4.181	34.427	27.311	31.226	27.305	83.8	14.197	90.6	1481.0	7681.4	4.0
860.0	853.7	4.234	4.168	34.429	27.315	31.274	27.308	83.6	14.281	90.5	1481.1	7822.4	8.4
870.0	863.6	4.187	4.121	34.435	27.324	31.330	27.317	82.8	14.364	90.5	1481.1	7964.1	11.0
880.0	873.5	4.157	4.090	34.436	27.328	31.381	27.321	82.4	14.447	90.5	1481.2	8106.7	1.1
890.0	883.4	4.103	4.036	34.438	27.335	31.435	27.328	81.7	14.529	90.5	1481.1	8250.1	.8
900.0	893.3	4.093	4.025	34.441	27.339	31.484	27.331	81.5	14.610	90.5	1481.2	8394.3	6.0
910.0	903.2	4.036	3.967	34.445	27.348	31.540	27.341	80.6	14.691	90.6	1481.2	8539.3	5.8
920.0	913.1	4.009	3.940	34.448	27.354	31.592	27.346	80.1	14.772	90.6	1481.2	8685.0	6.6
930.0	923.0	3.997	3.927	34.451	27.357	31.642	27.350	79.8	14.852	90.5	1481.3	8831.6	7.8
940.0	932.9	3.973	3.903	34.455	27.362	31.693	27.355	79.4	14.931	90.5	1481.4	8978.9	11.3
950.0	942.8	3.927	3.856	34.460	27.371	31.749	27.364	78.5	15.010	90.5	1481.4	9127.1	6.9
960.0	952.7	3.924	3.852	34.464	27.375	31.798	27.368	78.2	15.089	90.5	1481.5	9275.9	8.7
970.0	962.6	3.913	3.841	34.468	27.379	31.848	27.372	78.0	15.167	90.5	1481.7	9425.6	4.6
980.0	972.5	3.893	3.820	34.471	27.383	31.898	27.376	77.6	15.244	90.6	1481.7	9576.0	10.2
990.0	982.4	3.852	3.779	34.474	27.390	31.952	27.383	76.9	15.322	90.5	1481.7	9727.2	9.0

Station 81 Latitude 31° 40.81'N Longitude 126° 17.03'W 01 Sep 1989 GMT 00:30 Bottom 3000 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.3	3.815	3.741	34.479	27.398	32.006	27.391	76.2	15.398	90.6	1481.8	9879.1	2.3
1020.0	1012.0	3.756	3.680	34.486	27.410	32.111	27.403	75.1	15.550	90.5	1481.9	10185.2	7.3
1040.0	1031.8	3.729	3.652	34.493	27.419	32.211	27.411	74.4	15.699	90.6	1482.1	10494.2	4.0
1060.0	1051.6	3.713	3.634	34.498	27.424	32.308	27.416	74.0	15.848	90.5	1482.3	10806.2	.3
1080.0	1071.4	3.675	3.595	34.502	27.431	32.407	27.424	73.4	15.995	90.5	1482.5	11121.0	.9
1100.0	1091.1	3.619	3.538	34.509	27.442	32.510	27.434	72.5	16.141	90.5	1482.6	11438.7	5.0
1120.0	1110.9	3.604	3.522	34.509	27.444	32.604	27.436	72.5	16.286	90.5	1482.9	11759.3	.0
1140.0	1130.7	3.561	3.477	34.513	27.452	32.704	27.443	71.8	16.431	90.6	1483.0	12082.7	7.3
1160.0	1150.4	3.496	3.411	34.519	27.462	32.807	27.454	70.8	16.573	90.5	1483.1	12408.9	2.6
1180.0	1170.2	3.450	3.364	34.522	27.469	32.907	27.461	70.1	16.714	90.5	1483.2	12737.8	5.3
1200.0	1190.0	3.401	3.313	34.527	27.478	33.008	27.470	69.3	16.853	90.5	1483.4	13069.5	4.4
1220.0	1209.7	3.362	3.274	34.530	27.485	33.107	27.476	68.8	16.991	90.5	1483.5	13403.9	.9
1240.0	1229.5	3.323	3.233	34.533	27.490	33.205	27.482	68.2	17.128	90.6	1483.7	13741.0	5.0
1260.0	1249.2	3.281	3.190	34.535	27.497	33.304	27.488	67.7	17.264	90.5	1483.9	14080.7	5.0
1280.0	1269.0	3.219	3.127	34.535	27.502	33.402	27.493	67.2	17.399	90.5	1483.9	14423.1	4.2
1300.0	1288.8	3.184	3.091	34.537	27.507	33.499	27.498	66.7	17.533	90.5	1484.1	14768.1	1.5
1320.0	1308.5	3.150	3.056	34.540	27.513	33.597	27.504	66.2	17.666	90.5	1484.3	15115.7	3.6
1340.0	1328.3	3.127	3.031	34.543	27.518	33.694	27.509	65.8	17.798	90.5	1484.6	15465.9	4.2
1360.0	1348.0	3.112	3.014	34.546	27.521	33.788	27.512	65.6	17.929	90.5	1484.8	15818.7	6.3
1380.0	1367.7	3.067	2.968	34.549	27.528	33.887	27.519	65.0	18.060	90.5	1485.0	16174.0	.4
1400.0	1387.5	3.042	2.942	34.551	27.533	33.983	27.523	64.6	18.190	90.5	1485.2	16531.8	5.7
1420.0	1407.2	3.023	2.921	34.553	27.535	34.077	27.526	64.4	18.319	90.4	1485.4	16892.2	4.8
1440.0	1427.0	2.997	2.894	34.555	27.539	34.173	27.530	64.1	18.447	90.5	1485.7	17255.0	6.0
1460.0	1446.7	2.965	2.860	34.557	27.544	34.270	27.535	63.6	18.575	90.5	1485.9	17620.4	1.0
1480.0	1466.4	2.940	2.834	34.559	27.548	34.366	27.539	63.3	18.702	90.5	1486.1	17988.2	3.7
1500.0	1486.2	2.904	2.797	34.563	27.554	34.464	27.545	62.8	18.828	90.5	1486.3	18358.5	1.1
1520.0	1505.9	2.881	2.772	34.564	27.558	34.559	27.548	62.5	18.954	90.5	1486.5	18731.3	.8
1540.0	1525.6	2.855	2.745	34.566	27.562	34.655	27.552	62.1	19.078	90.4	1486.7	19106.5	9.0
1560.0	1545.4	2.801	2.691	34.568	27.568	34.753	27.558	61.5	19.202	90.4	1486.8	19484.1	2.6
1580.0	1565.1	2.770	2.658	34.572	27.574	34.852	27.565	60.9	19.324	90.5	1487.0	19864.1	9.3
1600.0	1584.8	2.737	2.624	34.573	27.578	34.947	27.568	60.6	19.446	90.4	1487.2	20246.4	2.6
1620.0	1604.5	2.714	2.599	34.575	27.581	35.042	27.571	60.3	19.567	90.5	1487.5	20631.1	2.3
1640.0	1624.3	2.695	2.579	34.578	27.585	35.137	27.575	60.0	19.687	90.5	1487.7	21018.2	1.5
1660.0	1644.0	2.655	2.538	34.581	27.592	35.236	27.582	59.3	19.806	90.5	1487.9	21407.5	5.0
1680.0	1663.7	2.627	2.508	34.583	27.596	35.332	27.586	59.0	19.925	90.4	1488.1	21799.2	2.1
1700.0	1683.4	2.597	2.477	34.586	27.600	35.428	27.590	58.5	20.042	90.4	1488.3	22193.2	5.0
1720.0	1703.1	2.569	2.448	34.587	27.604	35.524	27.594	58.2	20.159	90.4	1488.5	22589.4	2.4
1740.0	1722.8	2.529	2.407	34.591	27.611	35.622	27.601	57.5	20.274	90.5	1488.7	22987.9	3.9
1760.0	1742.5	2.497	2.374	34.593	27.615	35.719	27.605	57.1	20.389	90.4	1488.9	23388.6	-.5
1780.0	1762.2	2.467	2.342	34.596	27.620	35.815	27.609	56.7	20.503	90.5	1489.1	23791.5	1.8
1800.0	1781.9	2.410	2.284	34.600	27.628	35.916	27.618	55.7	20.616	90.5	1489.2	24196.7	2.4
1820.0	1801.7	2.396	2.268	34.600	27.629	36.008	27.619	55.7	20.727	90.4	1489.5	24604.0	15.3
1840.0	1821.3	2.351	2.222	34.605	27.637	36.108	27.626	54.9	20.837	90.4	1489.6	25013.4	1.3
1860.0	1841.1	2.328	2.199	34.606	27.640	36.202	27.629	54.6	20.947	90.4	1489.9	25424.9	4.2
1880.0	1860.7	2.309	2.178	34.609	27.644	36.298	27.633	54.3	21.056	90.4	1490.1	25838.6	3.1
1900.0	1880.4	2.285	2.152	34.611	27.648	36.393	27.637	53.9	21.164	90.4	1490.3	26254.4	3.1
1920.0	1900.1	2.252	2.118	34.614	27.653	36.490	27.642	53.4	21.272	90.4	1490.5	26672.2	3.7
1940.0	1919.8	2.219	2.085	34.616	27.658	36.586	27.647	52.9	21.378	90.4	1490.7	27092.2	5.1
1960.0	1939.5	2.200	2.063	34.618	27.661	36.681	27.650	52.6	21.483	90.4	1491.0	27514.1	-1.9
1980.0	1959.2	2.192	2.054	34.619	27.663	36.773	27.652	52.5	21.589	90.4	1491.3	27938.1	1.7
2000.0	1978.9	2.174	2.034	34.621	27.665	36.867	27.654	52.3	21.693	90.4	1491.5	28364.1	2.3
2050.0	2028.1	2.120	1.977	34.625	27.673	37.102	27.661	51.5	21.953	90.4	1492.2	29438.0	2.9
2100.0	2077.3	2.072	1.925	34.631	27.682	37.339	27.670	50.7	22.208	90.4	1492.8	30524.2	-1.5
2150.0	2126.5	2.032	1.882	34.634	27.688	37.571	27.676	50.2	22.461	90.4	1493.5	31622.7	.9
2200.0	2175.6	1.987	1.833	34.638	27.695	37.805	27.683	49.6	22.710	90.4	1494.1	32733.3	1.2
2250.0	2224.8	1.953	1.796	34.642	27.701	38.037	27.688	49.0	22.956	90.4	1494.8	33855.8	1.3
2300.0	2273.9	1.929	1.768	34.645	27.705	38.268	27.693	48.7	23.201	90.3	1495.6	34990.0	.4
2350.0	2323.1	1.894	1.729	34.647	27.710	38.498	27.698	48.3	23.443	90.4	1496.2	36136.0	-.7
2400.0	2372.2	1.862	1.692	34.650	27.715	38.729	27.702	47.9	23.684	90.3	1496.9	37293.5	2.3
2450.0	2421.3	1.844	1.671	34.652	27.718	38.956	27.705	47.7	23.923	90.4	1497.7	38462.6	3.2
2500.0	2470.4	1.835	1.658	34.652	27.719	39.182	27.706	47.7	24.161	90.3	1498.5	39643.1	-1.4
2550.0	2519.5	1.805	1.624	34.655	27.724	39.411	27.711	47.3	24.398	90.4	1499.2	40835.1	.9
2600.0	2568.6	1.782	1.597	34.657	27.728	39.639	27.714	47.0	24.633	90.3	1500.0	42038.3	.1
2650.0	2617.7	1.766	1.576	34.658	27.730	39.865	27.716	46.9	24.868	90.3	1500.8	43252.8	-1.0
2700.0	2666.7	1.745	1.551	34.661	27.734	40.093	27.720	46.6	25.102	90.4	1501.5	44478.5	.2
2750.0	2715.8	1.729	1.531	34.662	27.737	40.319	27.722	46.5	25.334	90.4	1502.3	45715.3	1.1
2800.0	2764.8	1.703	1.501	34.664	27.741	40.547	27.726	46.1	25.566	90.3	1503.0	46963.3	-1.2
2850.0	2813.8	1.675	1.469	34.666	27.745	40.774	27.729	45.7	25.795	90.3	1503.8	48222.2	.3
2900.0	2862.8	1.661	1.450	34.667	27.747	40.999	27.731	45.6	26.023	90.4	1504.6	49492.1	-1.7
2950.0	2911.8	1.643	1.427	34.669	27.750	41.225	27.735	45.4	26.251	90.3	1505.3	50772.8	-.5
3000.0	2960.8	1.628	1.408	34.670	27.752	41.449	27.736	45.3	26.477	90.3	1506.1	52064.4	.2
3050.0	3009.8	1.616	1.392	34.672	27.754	41.674	27.738	45.1	26.704	90.4	1506.9	53366.7	3.1
3070.0	3029.4	1.612	1.385	34.673	27.756	41.763	27.739	45.1	26.794	90.4	1507.2	53890.7	.0

Station 82 Latitude 31° 31.11'N Longitude 126° 23.28'W 01 Sep 1989 GMT 03:19 Bottom 4350 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.341	19.341	33.439	23.743	23.743	23.743	414.6	.000	90.0	1518.5	.0	.0
10.0	10.0	19.337	19.335	33.440	23.746	23.789	23.745	414.7	.415	89.9	1518.6	2.1	-1.2
20.0	20.0	19.218	19.215	33.456	23.788	23.875	23.787	411.0	.828	90.0	1518.5	8.3	28.9
30.0	29.9	19.187	19.182	33.450	23.792	23.922	23.790	411.0	1.239	89.9	1518.5	18.6	24.9
40.0	39.9	19.188	19.181	33.497	23.828	24.002	23.826	407.9	1.648	89.8	1518.8	33.0	2.2
50.0	49.9	19.059	19.050	33.504	23.866	24.083	23.864	404.6	2.055	89.9	1518.6	51.4	48.6
60.0	59.8	17.645	17.635	33.486	24.202	24.464	24.200	372.8	2.451	89.8	1514.6	73.9	595.5
70.0	69.8	15.645	15.634	33.403	24.602	24.910	24.600	334.8	2.802	89.8	1508.6	100.1	130.6
80.0	79.8	16.118	16.105	33.730	24.748	25.099	24.745	321.4	3.131	89.9	1510.6	129.7	152.1
90.0	89.7	14.917	14.903	33.592	24.908	25.305	24.905	306.2	3.446	90.0	1506.9	162.4	148.1
100.0	99.7	13.835	13.820	33.492	25.060	25.503	25.057	291.9	3.747	90.1	1503.4	198.3	171.3
110.0	109.6	14.020	14.004	33.641	25.137	25.624	25.133	284.9	4.037	90.3	1504.3	237.0	84.7
120.0	119.6	14.014	13.997	33.753	25.225	25.756	25.221	276.9	4.318	90.7	1504.6	278.6	121.0
130.0	129.5	13.640	13.622	33.791	25.331	25.908	25.328	266.9	4.588	90.6	1503.6	322.9	121.8
140.0	139.5	13.302	13.283	33.842	25.440	26.061	25.436	256.8	4.850	90.7	1502.7	369.9	115.3
150.0	149.4	12.709	12.689	33.783	25.512	26.180	25.508	250.0	5.103	90.8	1500.8	419.4	52.3
160.0	159.4	11.973	11.952	33.766	25.640	26.355	25.637	237.9	5.349	90.9	1498.4	471.4	51.8
170.0	169.3	11.615	11.594	33.752	25.697	26.456	25.692	232.7	5.586	90.8	1497.3	525.8	274.6
180.0	179.3	11.008	10.986	33.721	25.782	26.589	25.778	224.6	5.812	90.9	1495.3	582.5	144.2
190.0	189.2	10.460	10.438	33.718	25.877	26.731	25.873	215.7	6.030	91.0	1493.5	641.4	88.4
200.0	199.2	9.937	9.914	33.748	25.989	26.891	25.986	205.0	6.240	90.9	1491.8	702.4	69.9
210.0	209.1	9.558	9.535	33.789	26.084	27.032	26.080	196.1	6.442	90.9	1490.6	765.4	177.6
220.0	219.0	9.332	9.308	33.839	26.160	27.154	26.156	189.0	6.634	90.9	1490.0	830.4	144.2
230.0	229.0	9.059	9.034	33.884	26.239	27.279	26.235	181.6	6.818	90.9	1489.2	897.3	69.5
240.0	238.9	8.757	8.732	33.908	26.306	27.393	26.302	175.3	6.996	90.9	1488.3	965.9	32.5
250.0	248.9	8.425	8.399	33.943	26.385	27.518	26.381	167.9	7.168	90.8	1487.2	1036.3	89.8
260.0	258.8	8.287	8.261	33.977	26.432	27.612	26.428	163.5	7.333	90.8	1486.9	1108.3	28.9
270.0	268.7	8.118	8.091	33.990	26.467	27.694	26.463	160.2	7.495	90.8	1486.5	1182.0	52.0
280.0	278.6	8.004	7.976	33.998	26.490	27.763	26.486	158.2	7.655	90.8	1486.2	1257.2	34.7
290.0	288.6	7.839	7.811	34.005	26.521	27.839	26.517	155.4	7.811	90.8	1485.7	1334.0	11.0
300.0	298.5	7.693	7.664	34.009	26.545	27.910	26.541	153.2	7.966	90.8	1485.3	1412.4	31.2
310.0	308.5	7.595	7.565	34.021	26.568	27.979	26.564	151.0	8.118	90.7	1485.1	1492.3	37.6
320.0	318.4	7.434	7.403	34.025	26.595	28.052	26.590	148.6	8.267	90.7	1484.7	1573.6	17.7
330.0	328.3	7.253	7.222	34.028	26.622	28.127	26.618	146.0	8.415	90.7	1484.1	1656.4	27.6
340.0	338.2	7.134	7.102	34.030	26.641	28.192	26.636	144.3	8.560	90.7	1483.8	1740.7	10.9
350.0	348.2	7.061	7.028	34.032	26.653	28.249	26.648	143.4	8.704	90.6	1483.7	1826.4	65.0
360.0	358.1	6.897	6.864	34.036	26.679	28.322	26.674	140.9	8.845	90.7	1483.2	1913.5	2.7
370.0	368.0	6.787	6.753	34.040	26.696	28.386	26.692	139.3	8.986	90.6	1483.0	2002.1	52.1
380.0	378.0	6.574	6.540	34.047	26.730	28.468	26.726	136.0	9.123	90.6	1482.3	2091.9	27.2
390.0	387.9	6.412	6.377	34.056	26.758	28.543	26.754	133.4	9.257	90.5	1481.8	2183.2	13.4
400.0	397.8	6.381	6.345	34.055	26.762	28.592	26.757	133.2	9.391	90.5	1481.9	2275.7	13.7
410.0	407.7	6.081	6.045	34.063	26.806	28.685	26.802	128.9	9.522	90.6	1480.8	2369.6	-1.0
420.0	417.6	6.077	6.041	34.060	26.805	28.730	26.801	129.1	9.651	90.5	1481.0	2464.7	.2
430.0	427.6	5.955	5.918	34.068	26.826	28.798	26.822	127.1	9.779	90.5	1480.7	2561.1	22.4
440.0	437.5	5.841	5.803	34.078	26.849	28.867	26.844	125.0	9.905	90.5	1480.4	2658.8	23.9
450.0	447.4	5.696	5.658	34.088	26.874	28.940	26.870	122.6	10.029	90.4	1480.0	2757.7	3.6
460.0	457.3	5.652	5.613	34.101	26.890	29.002	26.885	121.2	10.151	90.4	1480.0	2857.8	16.2
470.0	467.3	5.560	5.521	34.120	26.916	29.075	26.912	118.7	10.272	90.5	1479.8	2959.1	37.9
480.0	477.2	5.462	5.423	34.124	26.932	29.137	26.927	117.3	10.390	90.4	1479.6	3061.6	19.4
490.0	487.1	5.384	5.344	34.136	26.950	29.202	26.945	115.6	10.506	90.4	1479.4	3165.2	23.2
500.0	497.0	5.352	5.311	34.143	26.959	29.257	26.955	114.8	10.622	90.4	1479.5	3270.0	14.7
510.0	506.9	5.330	5.288	34.146	26.965	29.309	26.960	114.4	10.736	90.4	1479.6	3375.9	14.4
520.0	516.9	5.274	5.232	34.162	26.984	29.374	26.979	112.7	10.849	90.5	1479.5	3482.9	14.1
530.0	526.8	5.236	5.193	34.169	26.994	29.431	26.989	111.7	10.962	90.5	1479.5	3591.1	20.3
540.0	536.7	5.216	5.172	34.183	27.008	29.490	27.002	110.6	11.073	90.5	1479.6	3700.3	17.7
550.0	546.6	5.151	5.107	34.194	27.024	29.553	27.018	109.1	11.182	90.6	1479.5	3810.7	21.5
560.0	556.5	5.095	5.050	34.207	27.041	29.616	27.036	107.5	11.290	90.5	1479.5	3922.1	14.1
570.0	566.4	5.047	5.002	34.222	27.058	29.680	27.053	105.9	11.397	90.5	1479.5	4034.6	16.5
580.0	576.3	5.030	4.984	34.229	27.066	29.733	27.060	105.3	11.503	90.5	1479.6	4148.1	6.5
590.0	586.3	5.021	4.973	34.242	27.077	29.791	27.072	104.4	11.608	90.5	1479.7	4262.6	7.1
600.0	596.2	4.984	4.936	34.244	27.084	29.844	27.078	103.8	11.712	90.5	1479.7	4378.2	8.0
610.0	606.1	4.958	4.909	34.247	27.089	29.895	27.083	103.4	11.816	90.4	1479.8	4494.8	4.2
620.0	616.0	4.947	4.897	34.261	27.102	29.953	27.096	102.3	11.918	90.5	1479.9	4612.5	11.2
630.0	625.9	4.912	4.862	34.273	27.115	30.013	27.109	101.1	12.020	90.4	1480.0	4731.1	13.3
640.0	635.8	4.896	4.845	34.283	27.125	30.069	27.119	100.3	12.121	90.6	1480.1	4850.7	6.0
650.0	645.7	4.872	4.820	34.297	27.139	30.128	27.133	99.1	12.220	90.5	1480.2	4971.3	11.5
660.0	655.6	4.846	4.794	34.301	27.144	30.180	27.139	98.6	12.319	90.5	1480.2	5092.9	18.0
670.0	665.5	4.753	4.700	34.305	27.159	30.242	27.153	97.2	12.417	90.5	1480.0	5215.5	13.0
680.0	675.5	4.716	4.662	34.312	27.168	30.297	27.162	96.4	12.514	90.5	1480.0	5339.0	16.8
690.0	685.4	4.690	4.636	34.321	27.178	30.354	27.172	95.5	12.610	90.5	1480.1	5463.5	8.6
700.0	695.3	4.665	4.610	34.327	27.186	30.408	27.180	94.8	12.705	90.5	1480.2	5588.9	9.8
710.0	705.2	4.620	4.564	34.337	27.198	30.466	27.192	93.7	12.799	90.5	1480.2	5715.2	9.2
720.0	715.1	4.587	4.531	34.344	27.208	30.522	27.202	92.9	12.893	90.5	1480.2	5842.4	16.5
730.0	725.0	4.559	4.502	34.349	27.215	30.576	27.209	92.2	12.985	90.6	1480.3	5970.6	13.3
740.0	734.9	4.519	4.462	34.355	27.225	30.631	27.218	91.4	13.077	90.5	1480.3	6099.7	3.6
750.0	744.8	4.475	4.417	34.360	27.233	30.686	27.227	90.6	13.168	90.5	1480.2	6229.7	8.9
760.0	754.7	4.462	4.403	34.365	27.239	30.737	27.232	90.2	13.258	90.6	1480.4	6360.5	1.3
770.0	764.6	4.453	4.393	34.373	27.246	30.790	27.239	89.6	13.348	90.5	1480.5	6492.3	5.1
780.0	774.5	4.406	4.346	34.381	27.258	30.849	27.251	88.5	13.437	90.6	1480.5	6624.9	10.7
790.0	784.4	4.391	4.330	34.384	27.261	30.899	27.255	88.2	13.526	90.6	1480.6	6758.4	3.4
800.0	794.3	4.367	4.305	34.387	27.267	30.950	27.260	87.8	13.613	90.5	1480.7	6892.8	2.2
810.0	804.2	4.333	4.271	34.393	27.275	31.004	27.268	87.1	13.701	90.5	1480.7	7028.0	13.3
820.0	814.1	4.292	4.229	34.401	27.285	31.062	27.279	86.1	13.788	90.6	1480.7	7164.1	6.6
830.0	824.0	4.282	4.219	34.403	27.288	31.111	27.282	85.9	13.873	90.5	1480.8	7301.0	2.2
840.0	833.9	4.253	4.188	34.408	27.295	31.164	27.289	85.3	13.959	90.5	1480.9	7438.8	8.1
850.0	843.8	4.226	4.161	34.413	27.302	31.217	27.295	84.7	14.044	90.5	1480.9	7577.4	8.1
860.0	853.7	4.201	4.135	34.419	27.310	31.271	27.303	84.0	14.128	90.6	1481.0	7716.8	3.7
870.0	863.6	4.155	4.089	34.428	27.322	31.329	27.315	82.9	14.212	90.6	1481.0	7857.1	13.9
880.0	873.5	4.129	4.062	34.431	27.327	31.381	27.321	82.4	14.295	90.5	1481.0	7998.1	7.8
890.0	883.4	4.094	4.027	34.436	27.335	31.434	27.328	81.8	14.377	90.5	1481.1	8140.0	11.9
900.0	893.3	4.056	3.988	34.442	27.343	31.490	27.336	81.0	14.458	90.5	1481.1	8282.7	8.1
910.0	903.2	4.037	3.969	34.444	27.347	31.539	27.340	80.7	14.539	90.6	1481.2	8426.2	6.9
920.0	913.1	4.006	3.937	34.449	27.355	31.593	27.347	80.0	14.619	90.5	1481.2	8570.4	5.5
930.0	923.0	3.980	3.910	34.454	27.361	31.645	27.354	79.5	14.699	90.6	1481.3	8715.5	9.3
940.0	932.9	3.961	3.890	34.456	27.365	31.696	27.358	79.1	14.778	90.6	1481.4	8861.3	11.9
950.0	942.8	3.931	3.860	34.461	27.372	31.749	27.364	78.5	14.857	90.6	1481.4	9007.9	15.1
960.0	952.7	3.906	3.834	34.464	27.377	31.800	27.369	78.0	14.936	90.6	1481.5	9155.3	4.0
970.0	962.6	3.884	3.811	34.468	27.382	31.851	27.375	77.6	15.013	90.5	1481.5	9303.5	8.1
980.0	972.5	3.851	3.778	34.472	27.389	31.905	27.382	77.0	15.091	90.6	1481.6	9452.4	7.5
990.0	982.3	3.835	3.761	34.475	27.393	31.954	27.385	76.7	15.168	90.6	1481.7	9602.0	3.1

Station 82 Latitude 31° 31.11'N Longitude 126° 23.28'W 01 Sep 1989 GMT 03:19 Bottom 4350 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.2	3.806	3.732	34.479	27.399	32.007	27.392	76.1	15.244	90.7	1481.7	9752.4	1.1
1020.0	1012.0	3.764	3.688	34.485	27.408	32.108	27.400	75.3	15.396	90.5	1481.9	10055.5	7.6
1040.0	1031.8	3.712	3.635	34.491	27.418	32.211	27.410	74.4	15.545	90.6	1482.0	10361.5	2.0
1060.0	1051.6	3.683	3.605	34.495	27.424	32.309	27.416	74.0	15.694	90.5	1482.2	10670.4	4.1
1080.0	1071.4	3.642	3.563	34.500	27.432	32.409	27.424	73.3	15.841	90.5	1482.4	10982.2	5.8
1100.0	1091.1	3.599	3.518	34.506	27.441	32.511	27.434	72.5	15.987	90.5	1482.5	11296.8	5.0
1120.0	1110.9	3.565	3.482	34.510	27.448	32.610	27.440	71.9	16.131	90.6	1482.7	11614.3	.9
1140.0	1130.7	3.515	3.431	34.514	27.456	32.710	27.448	71.2	16.274	90.6	1482.9	11934.6	6.4
1160.0	1150.4	3.480	3.395	34.519	27.464	32.810	27.456	70.5	16.416	90.6	1483.0	12257.7	6.2
1180.0	1170.2	3.444	3.358	34.521	27.470	32.907	27.461	70.1	16.557	90.6	1483.2	12583.6	4.7
1200.0	1190.0	3.402	3.314	34.526	27.478	33.008	27.469	69.4	16.696	90.6	1483.4	12912.2	1.8
1220.0	1209.7	3.359	3.271	34.529	27.484	33.106	27.476	68.8	16.834	90.5	1483.5	13243.5	4.1
1240.0	1229.5	3.319	3.230	34.534	27.492	33.207	27.483	68.1	16.971	90.5	1483.7	13577.5	4.4
1260.0	1249.2	3.271	3.180	34.539	27.501	33.308	27.492	67.3	17.107	90.5	1483.8	13914.1	3.0
1280.0	1269.0	3.229	3.137	34.542	27.507	33.406	27.498	66.7	17.240	90.5	1484.0	14253.4	2.4
1300.0	1288.8	3.173	3.080	34.547	27.516	33.508	27.507	65.8	17.373	90.6	1484.1	14595.2	2.1
1320.0	1308.5	3.138	3.043	34.549	27.521	33.605	27.512	65.4	17.504	90.5	1484.3	14939.7	.4
1340.0	1328.3	3.101	3.005	34.552	27.527	33.703	27.518	64.9	17.634	90.5	1484.5	15286.6	.1
1360.0	1348.0	3.066	2.969	34.553	27.531	33.800	27.522	64.5	17.764	90.5	1484.6	15636.2	3.0
1380.0	1367.7	3.027	2.928	34.557	27.538	33.898	27.529	63.9	17.892	90.5	1484.8	15988.2	3.3
1400.0	1387.5	2.994	2.894	34.559	27.543	33.995	27.534	63.5	18.020	90.5	1485.0	16342.7	6.3
1420.0	1407.2	2.949	2.848	34.561	27.549	34.094	27.539	62.9	18.146	90.5	1485.1	16699.7	1.9
1440.0	1427.0	2.911	2.809	34.563	27.554	34.191	27.545	62.4	18.272	90.5	1485.3	17059.1	2.2
1460.0	1446.7	2.888	2.785	34.566	27.558	34.287	27.549	62.1	18.396	90.6	1485.6	17421.0	.2
1480.0	1466.4	2.857	2.752	34.568	27.563	34.383	27.553	61.7	18.520	90.5	1485.8	17785.3	9.0
1500.0	1486.2	2.818	2.712	34.571	27.569	34.481	27.559	61.1	18.643	90.5	1485.9	18151.9	2.2
1520.0	1505.9	2.802	2.694	34.572	27.571	34.575	27.562	61.0	18.765	90.5	1486.2	18521.0	1.9
1540.0	1525.6	2.753	2.645	34.576	27.579	34.675	27.569	60.2	18.886	90.5	1486.3	18892.4	5.2
1560.0	1545.4	2.709	2.599	34.581	27.586	34.775	27.576	59.5	19.006	90.5	1486.5	19266.2	6.9
1580.0	1565.1	2.667	2.556	34.582	27.591	34.873	27.581	59.0	19.124	90.5	1486.6	19642.3	5.8
1600.0	1584.8	2.635	2.523	34.583	27.595	34.968	27.585	58.6	19.242	90.5	1486.8	20020.6	1.7
1620.0	1604.5	2.601	2.487	34.587	27.601	35.066	27.591	58.1	19.358	90.5	1487.0	20401.3	4.0
1640.0	1624.3	2.564	2.450	34.590	27.607	35.164	27.597	57.5	19.474	90.5	1487.2	20784.2	4.3
1660.0	1644.0	2.535	2.420	34.593	27.611	35.261	27.601	57.1	19.589	90.5	1487.4	21169.3	3.8
1680.0	1663.7	2.509	2.392	34.594	27.614	35.355	27.604	56.8	19.703	90.5	1487.6	21556.6	-.6
1700.0	1683.4	2.478	2.360	34.595	27.618	35.450	27.607	56.5	19.816	90.4	1487.8	21946.1	.9
1720.0	1703.1	2.451	2.331	34.595	27.620	35.545	27.610	56.2	19.929	90.5	1488.0	22337.9	-.3
1740.0	1722.8	2.423	2.302	34.597	27.624	35.641	27.614	55.8	20.041	90.4	1488.2	22731.8	2.4
1760.0	1742.5	2.411	2.288	34.597	27.626	35.733	27.616	55.7	20.152	90.5	1488.5	23127.9	1.5
1780.0	1762.2	2.374	2.250	34.602	27.633	35.832	27.622	55.1	20.263	90.5	1488.7	23526.1	3.6
1800.0	1781.9	2.348	2.223	34.604	27.636	35.927	27.626	54.7	20.373	90.5	1488.9	23926.4	4.5
1820.0	1801.7	2.322	2.195	34.606	27.640	36.023	27.630	54.3	20.482	90.4	1489.2	24328.9	-.2
1840.0	1821.3	2.299	2.172	34.609	27.645	36.118	27.634	54.0	20.590	90.5	1489.4	24733.5	2.4
1860.0	1841.1	2.273	2.144	34.611	27.648	36.214	27.638	53.6	20.698	90.5	1489.6	25140.2	.7
1880.0	1860.7	2.253	2.123	34.612	27.651	36.307	27.640	53.4	20.805	90.5	1489.9	25548.9	.7
1900.0	1880.4	2.225	2.093	34.615	27.656	36.404	27.645	52.9	20.912	90.5	1490.1	25959.7	3.6
1920.0	1900.1	2.200	2.067	34.617	27.660	36.499	27.649	52.5	21.017	90.5	1490.3	26372.6	.1
1940.0	1919.8	2.175	2.041	34.619	27.663	36.594	27.653	52.2	21.122	90.5	1490.5	26787.5	3.4
1960.0	1939.5	2.157	2.021	34.621	27.666	36.688	27.656	51.9	21.226	90.5	1490.8	27204.4	-1.0
1980.0	1959.2	2.137	2.000	34.625	27.671	36.784	27.660	51.5	21.329	90.5	1491.1	27623.3	1.9
2000.0	1978.9	2.124	1.986	34.626	27.673	36.877	27.662	51.3	21.432	90.5	1491.3	28044.2	2.0
2050.0	2028.1	2.086	1.943	34.631	27.680	37.111	27.669	50.7	21.687	90.5	1492.0	29105.0	-.9
2100.0	2077.3	2.055	1.908	34.633	27.685	37.343	27.674	50.3	21.939	90.4	1492.7	30178.1	2.0
2150.0	2126.5	2.015	1.865	34.637	27.691	37.576	27.680	49.8	22.189	90.4	1493.4	31263.3	.9
2200.0	2175.6	1.971	1.817	34.641	27.698	37.810	27.686	49.1	22.436	90.4	1494.0	32360.4	.6
2250.0	2224.8	1.947	1.789	34.643	27.702	38.039	27.690	48.9	22.682	90.4	1494.8	33469.5	.7
2300.0	2273.9	1.920	1.759	34.645	27.706	38.269	27.694	48.5	22.925	90.5	1495.5	34590.2	-.7
2350.0	2323.1	1.880	1.715	34.649	27.713	38.502	27.700	47.9	23.166	90.5	1496.2	35722.6	4.3
2400.0	2372.2	1.863	1.694	34.651	27.715	38.729	27.702	47.8	23.406	90.4	1497.0	36866.6	.5
2450.0	2421.3	1.843	1.670	34.652	27.718	38.957	27.705	47.6	23.644	90.4	1497.7	38022.0	-.9
2500.0	2470.4	1.810	1.633	34.655	27.724	39.187	27.710	47.2	23.881	90.4	1498.4	39188.8	.0
2550.0	2519.5	1.790	1.609	34.656	27.726	39.415	27.713	47.0	24.116	90.4	1499.2	40366.9	-.2
2600.0	2568.6	1.769	1.584	34.659	27.730	39.642	27.716	46.7	24.350	90.4	1499.9	41556.3	.1
2650.0	2617.7	1.749	1.559	34.660	27.733	39.869	27.719	46.5	24.583	90.4	1500.7	42756.8	2.2
2700.0	2666.7	1.725	1.531	34.662	27.737	40.097	27.722	46.2	24.815	90.5	1501.4	43968.5	-1.0
2750.0	2715.8	1.709	1.511	34.664	27.740	40.323	27.725	46.1	25.045	90.4	1502.2	45191.2	-.6
2800.0	2764.8	1.687	1.485	34.666	27.743	40.550	27.728	45.8	25.275	90.5	1503.0	46425.0	.6
2850.0	2813.8	1.668	1.461	34.667	27.746	40.776	27.730	45.6	25.503	90.4	1503.7	47669.7	1.5
2900.0	2862.9	1.650	1.439	34.669	27.749	41.002	27.733	45.4	25.731	90.4	1504.5	48925.2	.4
2950.0	2911.9	1.634	1.418	34.669	27.751	41.226	27.735	45.3	25.957	90.4	1505.3	50191.6	.4
3000.0	2960.8	1.615	1.396	34.671	27.754	41.452	27.737	45.1	26.183	90.3	1506.1	51468.8	-.7
3050.0	3009.8	1.601	1.377	34.673	27.757	41.677	27.740	44.8	26.407	90.4	1506.8	52756.7	2.5
3100.0	3058.8	1.589	1.360	34.674	27.759	41.901	27.742	44.7	26.631	90.4	1507.6	54055.3	.0
3150.0	3107.7	1.583	1.350	34.675	27.760	42.123	27.743	44.7	26.855	90.4	1508.5	55364.6	.9
3200.0	3156.7	1.574	1.336	34.676	27.762	42.345	27.744	44.7	27.079	90.4	1509.3	56684.5	.6
3250.0	3205.6	1.568	1.325	34.677	27.763	42.567	27.746	44.7	27.302	90.4	1510.1	58015.1	.4
3300.0	3254.6	1.557	1.310	34.678	27.765	42.790	27.748	44.6	27.525	90.4	1510.9	59356.3	-.7
3350.0	3303.5	1.550	1.297	34.679	27.767	43.012	27.749	44.6	27.748	90.3	1511.7	60708.1	-.4
3400.0	3352.4	1.540	1.283	34.681	27.770	43.234	27.751	44.4	27.970	90.4	1512.6	62070.5	-.7
3450.0	3401.3	1.531	1.269	34.682	27.772	43.456	27.753	44.3	28.192	90.4	1513.4	63443.5	-.6
3500.0	3450.1	1.526	1.259	34.683	27.773	43.677	27.754	44.4	28.414	90.3	1514.2	64827.0	1.8
3550.0	3499.0	1.519	1.247	34.684	27.774	43.897	27.755	44.4	28.636	90.3	1515.0	66221.0	1.2
3600.0	3547.9	1.513	1.236	34.685	27.776	44.118	27.757	44.3	28.858	90.3	1515.9	67625.5	-1.4
3650.0	3596.7	1.508	1.226	34.686	27.778	44.338	27.757	44.3	29.079	90.4	1516.7	69040.6	-.4
3700.0	3645.6	1.508	1.220	34.687	27.779	44.557	27.758	44.4	29.301	90.3	1517.6	70466.1	.8
3750.0	3694.4	1.505	1.212	34.687	27.779	44.776	27.758	44.4	29.523	90.4	1518.4	71902.2	.3
3800.0	3743.2	1.504	1.206	34.688	27.781	44.994	27.759	44.5	29.745	90.3	1519.3	73348.8	-.3
3850.0	3792.0	1.503	1.200	34.689	27.782	45.213	27.760	44.5	29.968	90.3	1520.1	74806.0	.9
3900.0	3840.8	1.504	1.196	34.689	27.782	45.430	27.760	44.7	30.191	90.3	1521.0	76273.6	.1
3950.0	3889.6	1.503	1.190	34.690	27.783	45.648	27.761	44.7	30.414	90.3	1521.8	77751.9	1.3
4000.0	3938.4	1.506	1.186	34.690	27.784	45.865	27.761	44.9	30.638	90.3	1522.7	79240.8	.5
4050.0	3987.1	1.508	1.183	34.690	27.784	46.081	27.761	45.1	30.863	90.3	1523.6	80740.2	.5
4100.0	4035.9	1.509	1.179	34.691	27.785	46.298	27.761	45.2	31.088	90.3	1524.4	82250.3	.0
4150.0	4084.6	1.513	1.177	34.691	27.785	46.513	27.761	45.4	31.315	90.3	1525.3	83771.1	-.2
4200.0	4133.3	1.516	1.175	34.691	27.786	46.729	27.762	45.5	31.542	90.3	1526.2	85302.6	.4
4250.0	4182.1	1.521	1.173	34.692	27.786	46.945	27.762	45.6	31.769	90.3	1527.1	86844.9	-1.3
4300.0	4230.8	1.526	1.173	34.692	27.786	47.159	27.761	45.9	31.998	90.2	1528.0	88397.9	-1.0
4350.0	4279.5	1.531	1.172	34.691	27.786	47.373	27.760	46.1	32.228	90.2	1528.8	89961.8	.2
4390.0	4318.4	1.534	1.171	34.692	27.786	47.544	27.760	46.3	32.413	90.2	1529.6	91220.8	.0

Station	83	Latitude	31° 17.85'N	Longitude	126° 30.87'W	01 Sep 1989 GMT 07:06					Bottom	4275 m
Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
.0	.0	19.416	19.416	33.472	23.749	23.749	23.749	414.0	.000	90.0	1518.7	.0	.0
10.0	10.0	19.415	19.413	33.472	23.749	23.793	23.749	414.3	.414	90.1	1518.9	2.1	.7
20.0	20.0	19.398	19.394	33.473	23.755	23.842	23.754	414.1	.828	90.0	1519.0	8.3	23.9
30.0	29.9	19.376	19.370	33.498	23.781	23.911	23.779	412.1	1.242	90.0	1519.1	18.6	133.1
40.0	39.9	19.617	19.610	33.815	23.961	24.134	23.959	395.3	1.643	90.0	1520.3	33.0	134.4
50.0	49.9	19.590	19.581	33.923	24.050	24.267	24.048	387.1	2.033	89.9	1520.5	51.3	126.8
60.0	59.8	16.678	16.668	33.612	24.528	24.791	24.526	341.7	2.397	89.9	1511.9	73.4	216.5
70.0	69.8	15.596	15.585	33.522	24.705	25.013	24.703	325.0	2.729	90.0	1508.6	99.0	85.5
80.0	79.7	15.128	15.116	33.534	24.818	25.170	24.815	314.5	3.048	90.0	1507.3	127.7	85.4
90.0	89.7	14.600	14.587	33.485	24.893	25.291	24.891	307.6	3.358	90.1	1505.7	159.7	148.6
100.0	99.7	14.381	14.367	33.588	25.020	25.462	25.016	295.8	3.659	90.1	1505.3	194.6	104.6
110.0	109.6	14.419	14.403	33.654	25.063	25.549	25.060	292.0	3.953	90.1	1505.7	232.5	97.6
120.0	119.6	13.769	13.752	33.610	25.165	25.696	25.161	282.5	4.239	90.4	1503.6	273.3	32.5
130.0	129.5	12.819	12.802	33.481	25.256	25.835	25.253	273.8	4.517	90.5	1500.5	316.9	49.0
140.0	139.5	12.168	12.150	33.472	25.375	26.000	25.372	262.6	4.786	90.6	1498.4	363.2	53.0
150.0	149.4	11.903	11.884	33.512	25.455	26.126	25.452	255.1	5.047	90.7	1497.7	412.1	139.3
160.0	159.4	11.389	11.369	33.511	25.550	26.267	25.546	246.3	5.296	90.7	1496.1	463.5	53.8
170.0	169.3	10.622	10.602	33.508	25.685	26.449	25.681	233.5	5.536	90.8	1493.5	517.4	121.5
180.0	179.3	10.322	10.301	33.564	25.780	26.590	25.777	224.5	5.764	90.8	1492.6	573.6	69.7
190.0	189.2	9.877	9.856	33.659	25.929	26.786	25.926	210.5	5.981	90.9	1491.3	632.0	79.2
200.0	199.1	9.567	9.545	33.698	26.011	26.914	26.008	202.8	6.187	90.9	1490.4	692.5	54.9
210.0	209.1	9.251	9.228	33.774	26.122	27.071	26.118	192.3	6.385	90.8	1489.5	755.0	175.5
220.0	219.0	9.023	9.000	33.809	26.186	27.182	26.183	186.3	6.572	90.8	1488.8	819.4	85.5
230.0	229.0	8.821	8.796	33.870	26.265	27.307	26.261	179.0	6.754	90.8	1488.3	885.7	53.0
240.0	238.9	8.761	8.736	33.922	26.316	27.403	26.312	174.4	6.930	90.8	1488.3	953.7	72.9
250.0	248.9	8.535	8.509	33.960	26.381	27.514	26.376	168.3	7.101	90.8	1487.7	1023.4	76.4
260.0	258.8	8.379	8.352	33.967	26.410	27.590	26.406	165.6	7.268	90.8	1487.3	1094.8	40.9
270.0	268.7	8.258	8.230	33.976	26.436	27.661	26.432	163.3	7.432	90.9	1487.0	1167.8	31.6
280.0	278.6	8.036	8.008	33.983	26.475	27.747	26.470	159.7	7.594	90.8	1486.3	1242.4	18.3
290.0	288.6	7.815	7.787	33.986	26.509	27.828	26.505	156.5	7.752	90.8	1485.6	1318.6	21.8
300.0	298.5	7.695	7.666	33.988	26.528	27.893	26.524	154.7	7.908	90.8	1485.3	1396.4	20.6
310.0	308.5	7.524	7.494	33.990	26.554	27.966	26.550	152.3	8.061	90.8	1484.8	1475.7	31.7
320.0	318.4	7.372	7.341	33.992	26.577	28.036	26.573	150.2	8.212	90.7	1484.4	1556.5	51.6
330.0	328.3	7.193	7.162	33.993	26.603	28.108	26.599	147.8	8.361	90.7	1483.9	1638.8	14.4
340.0	338.2	7.109	7.077	33.993	26.615	28.166	26.611	146.8	8.509	90.6	1483.7	1722.6	45.4
350.0	348.2	6.952	6.920	33.997	26.640	28.238	26.636	144.4	8.654	90.6	1483.2	1807.8	13.2
360.0	358.1	6.838	6.805	33.999	26.657	28.301	26.652	142.9	8.798	90.6	1483.0	1894.4	38.6
370.0	368.0	6.673	6.639	34.001	26.681	28.372	26.676	140.7	8.940	90.6	1482.5	1982.5	13.4
380.0	378.0	6.576	6.542	34.006	26.698	28.435	26.693	139.1	9.080	90.5	1482.3	2071.9	33.6
390.0	387.9	6.441	6.406	34.010	26.719	28.503	26.714	137.2	9.218	90.6	1481.9	2162.7	14.0
400.0	397.8	6.258	6.222	34.018	26.749	28.580	26.744	134.3	9.354	90.5	1481.3	2254.9	26.5
410.0	407.7	6.099	6.063	34.026	26.775	28.654	26.770	131.8	9.487	90.5	1480.9	2348.4	32.7
420.0	417.7	6.015	5.979	34.026	26.786	28.711	26.781	130.9	9.618	90.4	1480.7	2443.2	8.4
430.0	427.6	5.920	5.883	34.032	26.803	28.775	26.798	129.3	9.748	90.5	1480.5	2539.3	12.4
440.0	437.5	5.797	5.759	34.041	26.825	28.844	26.820	127.2	9.877	90.4	1480.2	2636.7	24.1
450.0	447.4	5.741	5.703	34.056	26.843	28.909	26.839	125.5	10.003	90.4	1480.1	2735.3	8.3
460.0	457.4	5.655	5.617	34.068	26.864	28.976	26.859	123.6	10.128	90.4	1480.0	2835.2	20.9
470.0	467.3	5.548	5.509	34.066	26.875	29.034	26.871	122.6	10.251	90.4	1479.7	2936.3	23.8
480.0	477.2	5.430	5.391	34.069	26.892	29.098	26.887	121.0	10.373	90.4	1479.4	3038.6	10.6
490.0	487.1	5.356	5.315	34.064	26.897	29.149	26.892	120.6	10.494	90.5	1479.2	3142.1	10.9
500.0	497.0	5.272	5.231	34.077	26.917	29.216	26.912	118.7	10.613	90.4	1479.1	3246.8	14.4
510.0	507.0	5.239	5.198	34.098	26.938	29.283	26.933	116.8	10.731	90.5	1479.1	3352.6	21.4
520.0	516.9	5.143	5.101	34.098	26.949	29.341	26.944	115.8	10.847	90.5	1478.9	3459.6	4.7
530.0	526.8	5.133	5.090	34.110	26.960	29.398	26.955	114.8	10.963	90.5	1479.0	3567.8	9.1
540.0	536.7	5.074	5.030	34.119	26.974	29.458	26.969	113.6	11.077	90.5	1479.0	3677.1	20.6
550.0	546.6	4.978	4.935	34.123	26.987	29.519	26.982	112.3	11.190	90.5	1478.7	3787.5	16.4
560.0	556.5	4.933	4.889	34.134	27.002	29.580	26.997	111.0	11.302	90.5	1478.7	3899.0	17.9
570.0	566.5	4.934	4.889	34.146	27.011	29.635	27.006	110.3	11.412	90.5	1478.9	4011.6	12.4
580.0	576.4	4.984	4.938	34.169	27.024	29.692	27.019	109.2	11.522	90.5	1479.3	4125.3	-3.1
590.0	586.3	5.008	4.961	34.189	27.037	29.751	27.032	108.1	11.631	90.5	1479.6	4240.1	18.5
600.0	596.2	4.939	4.892	34.195	27.050	29.810	27.044	107.0	11.738	90.5	1479.5	4355.9	10.6
610.0	606.1	4.901	4.852	34.208	27.065	29.871	27.059	105.6	11.844	90.6	1479.5	4472.8	17.7
620.0	616.0	4.873	4.824	34.220	27.077	29.930	27.071	104.5	11.950	90.5	1479.6	4590.7	15.0
630.0	625.9	4.789	4.739	34.232	27.096	29.996	27.090	102.7	12.053	90.5	1479.4	4709.7	25.0
640.0	635.8	4.756	4.706	34.242	27.108	30.054	27.102	101.7	12.155	90.6	1479.5	4829.6	4.5
650.0	645.8	4.702	4.651	34.253	27.122	30.115	27.117	100.3	12.256	90.5	1479.4	4950.6	14.4
660.0	655.7	4.634	4.582	34.258	27.134	30.174	27.129	99.2	12.356	90.6	1479.3	5072.6	8.3
670.0	665.6	4.655	4.603	34.278	27.148	30.233	27.142	98.0	12.455	90.6	1479.6	5195.5	11.8
680.0	675.5	4.556	4.503	34.277	27.158	30.290	27.152	97.1	12.552	90.6	1479.3	5319.4	12.7
690.0	685.4	4.499	4.446	34.281	27.167	30.346	27.161	96.2	12.649	90.6	1479.3	5444.2	10.0
700.0	695.3	4.410	4.357	34.278	27.175	30.401	27.169	95.4	12.745	90.5	1479.0	5570.0	11.2
710.0	705.2	4.396	4.342	34.288	27.184	30.456	27.178	94.6	12.840	90.6	1479.2	5696.8	11.2
720.0	715.1	4.394	4.339	34.300	27.193	30.511	27.188	93.9	12.934	90.5	1479.3	5824.4	7.7
730.0	725.0	4.411	4.355	34.313	27.202	30.566	27.196	93.2	13.027	90.5	1479.6	5953.0	9.5
740.0	734.9	4.353	4.296	34.316	27.211	30.621	27.205	92.4	13.120	90.6	1479.5	6082.5	10.0
750.0	744.8	4.273	4.216	34.320	27.223	30.680	27.217	91.2	13.212	90.6	1479.4	6212.9	13.6
760.0	754.7	4.268	4.211	34.336	27.236	30.739	27.230	90.0	13.302	90.6	1479.5	6344.2	8.0
770.0	764.6	4.219	4.161	34.341	27.245	30.795	27.239	89.2	13.392	90.6	1479.5	6476.4	6.8
780.0	774.5	4.190	4.131	34.351	27.256	30.852	27.250	88.2	13.481	90.6	1479.5	6609.5	6.8
790.0	784.4	4.175	4.116	34.355	27.261	30.903	27.254	87.9	13.569	90.6	1479.7	6743.4	10.1
800.0	794.3	4.168	4.108	34.364	27.269	30.957	27.263	87.2	13.656	90.5	1479.8	6878.2	8.6
810.0	804.2	4.222	4.161	34.384	27.279	31.012	27.273	86.4	13.743	90.6	1480.2	7013.8	10.7
820.0	814.1	4.180	4.118	34.386	27.286	31.064	27.279	85.9	13.829	90.6	1480.2	7150.3	11.8
830.0	824.0	4.111	4.048	34.387	27.294	31.119	27.287	85.0	13.915	90.6	1480.1	7287.7	13.6
840.0	833.9	4.081	4.018	34.392	27.301	31.173	27.294	84.4	13.999	90.6	1480.1	7425.8	5.4
850.0	843.8	4.067	4.003	34.395	27.304	31.222	27.298	84.2	14.084	90.7	1480.2	7564.8	3.1
860.0	853.7	4.076	4.011	34.402	27.309	31.273	27.303	83.8	14.168	90.6	1480.4	7704.7	6.0
870.0	863.6	4.019	3.954	34.405	27.318	31.328	27.311	83.0	14.251	90.6	1480.4	7845.3	4.2
880.0	873.5	4.028	3.962	34.415	27.325	31.381	27.318	82.4	14.334	90.6	1480.6	7986.8	12.7
890.0	883.4	4.020	3.953	34.423	27.332	31.434	27.325	81.8	14.416	90.5	1480.7	8129.1	8.1
900.0	893.3	3.965	3.898	34.424	27.339	31.487	27.332	81.2	14.497	90.5	1480.7	8272.1	4.0
910.0	903.2	3.962	3.894	34.431	27.344	31.538	27.337	80.7	14.578	90.6	1480.8	8416.0	11.6
920.0	913.1	3.937	3.868	34.438	27.353	31.593	27.346	80.0	14.658	90.6	1480.9	8560.7	2.5
930.0	923.0	3.912	3.843	34.440	27.357	31.644	27.350	79.6	14.738	90.6	1481.0	8706.1	3.7
940.0	932.9	3.885	3.815	34.445	27.364	31.697	27.357	79.0	14.818	90.6	1481.0	8852.3	6.0
950.0	942.8	3.858	3.787	34.450	27.370	31.749	27.363	78.5	14.896	90.6	1481.1	8999.3	3.4
960.0	952.7	3.832	3.761	34.453	27.375	31.801	27.368	78.0	14.975	90.6	1481.1	9147.1	8.1
970.0	962.6	3.816	3.745	34.456	27.380	31.851	27.372	77.7	15.053	90.6	1481.2	9295.6	8.4
980.0	972.5	3.799	3.726	34.459	27.384	31.901	27.377	77.3	15.130	90.6	1481.3	9444.9	4.3
990.0	982.4	3.772	3.699	34.462	27.389	31.952	27.382	76.9	15.207	90.6	1481.4	9595.0	4.3

Station 83 Latitude 31° 17.85'N Longitude 126° 30.87'W 01 Sep 1989 GMT 07:06 Bottom 4275 m

Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.3	3.747	3.673	34.465	27.393	32.003	27.386	76.5	15.284	90.6	1481.5	9745.8	6.9
1020.0	1012.0	3.720	3.645	34.477	27.406	32.108	27.399	75.4	15.436	90.6	1481.7	10049.6	5.2
1040.0	1031.8	3.676	3.599	34.486	27.418	32.212	27.410	74.3	15.585	90.6	1481.8	10356.4	4.6
1060.0	1051.6	3.662	3.584	34.493	27.425	32.310	27.417	73.8	15.734	90.5	1482.1	10666.1	2.9
1080.0	1071.4	3.587	3.508	34.493	27.433	32.411	27.425	73.1	15.881	90.6	1482.1	10978.7	3.2
1100.0	1091.2	3.548	3.468	34.501	27.443	32.513	27.435	72.2	16.026	90.5	1482.3	11294.1	4.4
1120.0	1110.9	3.510	3.428	34.505	27.449	32.612	27.441	71.7	16.169	90.5	1482.5	11612.4	3.5
1140.0	1130.7	3.479	3.396	34.509	27.456	32.711	27.448	71.1	16.312	90.6	1482.7	11933.5	8.8
1160.0	1150.5	3.425	3.341	34.515	27.466	32.814	27.458	70.2	16.454	90.5	1482.8	12257.3	4.1
1180.0	1170.2	3.395	3.309	34.525	27.477	32.916	27.469	69.3	16.593	90.6	1483.0	12583.9	6.2
1200.0	1190.0	3.359	3.272	34.528	27.483	33.014	27.475	68.7	16.731	90.6	1483.2	12913.2	5.3
1220.0	1209.8	3.313	3.225	34.532	27.490	33.114	27.482	68.0	16.868	90.6	1483.3	13245.2	9.1
1240.0	1229.5	3.263	3.174	34.534	27.497	33.213	27.488	67.5	17.003	90.5	1483.5	13579.8	2.1
1260.0	1249.3	3.224	3.133	34.538	27.504	33.312	27.495	66.9	17.138	90.6	1483.6	13917.1	2.4
1280.0	1269.0	3.185	3.094	34.540	27.510	33.410	27.501	66.3	17.271	90.6	1483.8	14257.0	3.0
1300.0	1288.8	3.147	3.054	34.544	27.516	33.509	27.508	65.7	17.403	90.6	1484.0	14599.5	3.0
1320.0	1308.5	3.120	3.026	34.548	27.522	33.607	27.513	65.3	17.534	90.6	1484.2	14944.5	1.8
1340.0	1328.3	3.080	2.985	34.551	27.529	33.705	27.520	64.7	17.664	90.5	1484.4	15292.1	.1
1360.0	1348.0	3.051	2.954	34.554	27.533	33.802	27.524	64.3	17.793	90.6	1484.6	15642.2	4.5
1380.0	1367.8	3.011	2.913	34.558	27.541	33.902	27.532	63.6	17.921	90.5	1484.7	15994.8	3.3
1400.0	1387.5	2.971	2.871	34.561	27.546	34.000	27.537	63.1	18.048	90.6	1484.9	16349.8	1.6
1420.0	1407.3	2.933	2.832	34.563	27.551	34.097	27.542	62.6	18.174	90.5	1485.1	16707.4	2.5
1440.0	1427.0	2.891	2.790	34.567	27.559	34.196	27.549	61.9	18.298	90.4	1485.2	17067.4	4.8
1460.0	1446.7	2.854	2.751	34.568	27.563	34.293	27.554	61.5	18.422	90.5	1485.4	17429.7	3.4
1480.0	1466.5	2.805	2.701	34.573	27.571	34.394	27.562	60.7	18.544	90.5	1485.5	17794.5	4.5
1500.0	1486.2	2.781	2.676	34.575	27.575	34.489	27.566	60.4	18.665	90.5	1485.8	18161.6	5.4
1520.0	1505.9	2.750	2.643	34.578	27.580	34.586	27.571	59.9	18.785	90.5	1486.0	18531.1	1.3
1540.0	1525.7	2.723	2.614	34.580	27.584	34.682	27.575	59.6	18.904	90.4	1486.2	18902.9	1.4
1560.0	1545.4	2.695	2.586	34.583	27.589	34.778	27.579	59.2	19.023	90.4	1486.4	19277.0	3.4
1580.0	1565.1	2.671	2.561	34.584	27.592	34.873	27.582	58.9	19.142	90.5	1486.6	19653.5	5.2
1600.0	1584.8	2.643	2.530	34.587	27.597	34.970	27.587	58.4	19.259	90.5	1486.9	20032.2	4.9
1620.0	1604.6	2.604	2.490	34.590	27.603	35.068	27.593	57.9	19.375	90.5	1487.0	20413.2	2.3
1640.0	1624.3	2.581	2.466	34.592	27.606	35.163	27.596	57.6	19.491	90.5	1487.3	20796.4	.8
1660.0	1644.0	2.553	2.437	34.594	27.611	35.259	27.600	57.2	19.605	90.4	1487.5	21181.8	1.4
1680.0	1663.7	2.525	2.407	34.596	27.615	35.355	27.604	56.8	19.719	90.5	1487.7	21569.5	3.5
1700.0	1683.4	2.494	2.375	34.598	27.619	35.451	27.609	56.4	19.833	90.5	1487.9	21959.4	4.7
1720.0	1703.1	2.462	2.342	34.601	27.624	35.548	27.614	55.9	19.945	90.5	1488.1	22351.5	4.1
1740.0	1722.9	2.432	2.311	34.602	27.628	35.644	27.618	55.6	20.057	90.5	1488.3	22745.7	2.7
1760.0	1742.6	2.415	2.293	34.604	27.631	35.738	27.621	55.3	20.167	90.5	1488.6	23142.1	3.0
1780.0	1762.3	2.391	2.267	34.606	27.634	35.833	27.624	55.0	20.278	90.5	1488.8	23540.6	2.4
1800.0	1782.0	2.372	2.247	34.608	27.637	35.927	27.627	54.7	20.387	90.5	1489.0	23941.3	.4
1820.0	1801.7	2.342	2.216	34.610	27.642	36.023	27.632	54.3	20.496	90.5	1489.3	24344.0	2.1
1840.0	1821.4	2.319	2.191	34.613	27.646	36.119	27.636	53.9	20.604	90.5	1489.5	24748.9	1.0
1860.0	1841.1	2.303	2.174	34.614	27.649	36.212	27.638	53.7	20.712	90.5	1489.8	25155.9	2.4
1880.0	1860.8	2.272	2.141	34.618	27.654	36.310	27.643	53.2	20.819	90.5	1490.0	25564.9	1.6
1900.0	1880.5	2.244	2.112	34.619	27.658	36.405	27.647	52.8	20.925	90.5	1490.2	25976.0	4.5
1920.0	1900.2	2.217	2.084	34.622	27.663	36.501	27.652	52.3	21.030	90.5	1490.4	26389.1	2.2
1940.0	1919.9	2.193	2.058	34.625	27.666	36.596	27.655	52.0	21.134	90.4	1490.6	26804.2	1.6
1960.0	1939.6	2.175	2.039	34.625	27.668	36.689	27.657	51.8	21.238	90.4	1490.9	27221.4	1.6
1980.0	1959.2	2.161	2.023	34.626	27.670	36.782	27.659	51.7	21.342	90.5	1491.2	27640.5	2.5
2000.0	1978.9	2.134	1.996	34.628	27.674	36.877	27.663	51.3	21.444	90.5	1491.4	28061.7	.8
2050.0	2028.1	2.099	1.956	34.631	27.679	37.110	27.668	50.8	21.700	90.5	1492.1	29123.2	3.8
2100.0	2077.3	2.056	1.910	34.634	27.685	37.343	27.674	50.3	21.953	90.5	1492.7	30197.0	.3
2150.0	2126.5	2.017	1.867	34.638	27.692	37.576	27.680	49.7	22.203	90.5	1493.4	31282.9	1.5
2200.0	2175.7	1.972	1.818	34.643	27.700	37.811	27.688	49.0	22.450	90.5	1494.1	32380.7	.4
2250.0	2224.8	1.940	1.783	34.644	27.704	38.041	27.692	48.7	22.694	90.4	1494.8	33490.4	.4
2300.0	2274.0	1.907	1.746	34.647	27.708	38.272	27.696	48.3	22.937	90.5	1495.5	34611.8	3.4
2350.0	2323.1	1.867	1.702	34.650	27.714	38.504	27.701	47.8	23.177	90.5	1496.1	35744.7	.5
2400.0	2372.3	1.844	1.675	34.652	27.718	38.733	27.705	47.5	23.415	90.5	1496.9	36889.2	.5
2450.0	2421.4	1.813	1.640	34.654	27.722	38.963	27.709	47.1	23.651	90.5	1497.6	38045.0	3.2
2500.0	2470.5	1.794	1.617	34.656	27.725	39.190	27.712	46.9	23.886	90.4	1498.3	39212.1	.3
2550.0	2519.6	1.775	1.594	34.658	27.729	39.417	27.715	46.7	24.120	90.4	1499.1	40390.5	.3
2600.0	2568.6	1.750	1.564	34.660	27.733	39.646	27.719	46.4	24.353	90.5	1499.8	41580.0	1.0
2650.0	2617.7	1.727	1.538	34.662	27.736	39.874	27.722	46.1	24.584	90.4	1500.6	42780.7	-.2
2700.0	2666.8	1.706	1.513	34.664	27.740	40.101	27.725	45.9	24.814	90.4	1501.4	43992.4	-.7
2750.0	2715.8	1.686	1.488	34.665	27.742	40.328	27.728	45.6	25.043	90.7	1502.1	45215.1	1.7
2800.0	2764.9	1.656	1.454	34.667	27.747	40.556	27.732	45.2	25.270	90.5	1502.8	46448.7	1.1
2850.0	2813.9	1.639	1.433	34.668	27.749	40.781	27.734	45.1	25.496	90.4	1503.6	47693.1	1.2
2900.0	2862.9	1.625	1.415	34.670	27.751	41.007	27.736	44.9	25.721	90.4	1504.4	48948.2	.4
2950.0	2911.9	1.609	1.394	34.672	27.754	41.232	27.739	44.7	25.945	90.6	1505.2	50214.1	2.2
3000.0	2960.9	1.602	1.383	34.673	27.756	41.455	27.740	44.7	26.169	90.4	1506.0	51490.7	-1.3
3050.0	3009.9	1.589	1.365	34.674	27.758	41.679	27.742	44.6	26.393	90.4	1506.8	52777.9	.2
3092.0	3051.0	1.577	1.349	34.675	27.760	41.868	27.744	44.5	26.580	90.4	1507.5	53867.5	.0

Station 84 Latitude 31° 04.16'N Longitude 126° 38.89'W 01 Sep 1989 GMT 10:23 Bottom 4350 m

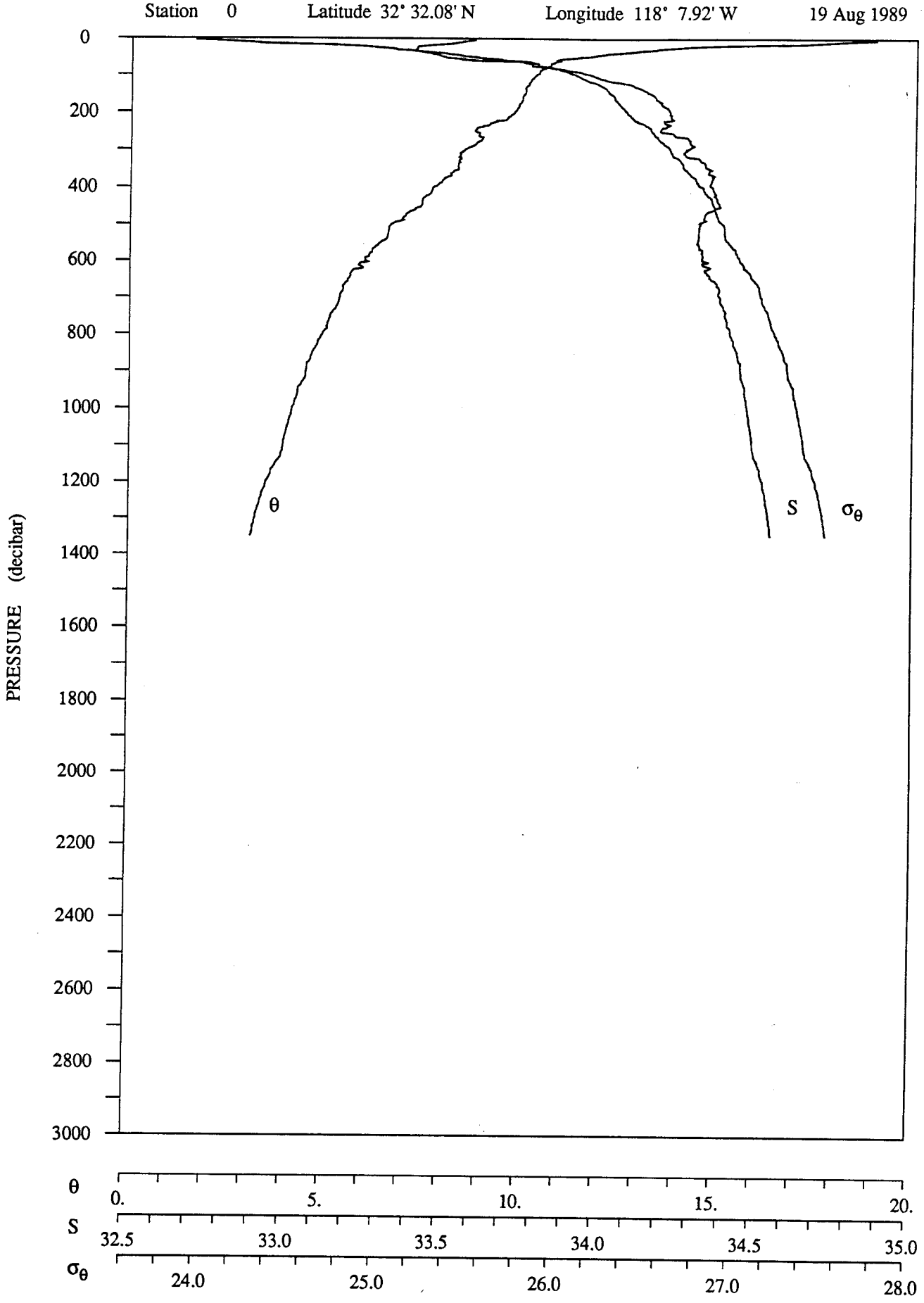
Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m³	Sigma-z kg/m³	Sigma-t kg/m³	Delta $10^8 m^3/kg$	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 $10^6/s^2$
.0	.0	19.450	19.450	33.486	23.751	23.751	23.751	413.8	.000	90.1	1518.8	.0	.0
10.0	10.0	19.458	19.456	33.485	23.749	23.792	23.749	414.3	.414	90.1	1519.0	2.1	1.6
20.0	20.0	19.419	19.415	33.480	23.755	23.842	23.754	414.1	.828	90.1	1519.1	8.3	28.0
30.0	29.9	19.327	19.322	33.467	23.770	23.900	23.768	413.1	1.242	90.1	1519.0	18.6	7.0
40.0	39.9	19.007	19.000	33.472	23.854	24.028	23.853	405.4	1.653	90.0	1518.2	33.0	109.4
50.0	49.9	18.779	18.770	33.486	23.924	24.141	23.921	399.1	2.055	90.1	1517.7	51.5	87.2
60.0	59.8	17.930	17.920	33.491	24.137	24.399	24.135	379.0	2.448	90.0	1515.5	74.0	611.6
70.0	69.8	15.577	15.566	33.406	24.620	24.928	24.618	333.1	2.801	90.0	1508.4	100.2	56.8
80.0	79.8	15.286	15.274	33.490	24.749	25.101	24.746	321.1	3.128	90.1	1507.7	129.7	70.8
90.0	89.7	14.932	14.919	33.587	24.901	25.298	24.898	306.9	3.443	90.2	1506.9	162.4	122.0
100.0	99.7	14.187	14.173	33.521	25.009	25.451	25.006	296.8	3.746	90.0	1504.6	198.2	143.5
110.0	109.6	14.114	14.099	33.612	25.095	25.581	25.091	288.9	4.038	90.3	1504.6	237.0	55.7
120.0	119.6	13.525	13.508	33.582	25.193	25.726	25.190	279.7	4.323	90.5	1502.8	278.6	82.5
130.0	129.5	13.102	13.084	33.579	25.276	25.854	25.273	272.0	4.599	90.6	1501.5	323.0	119.9
140.0	139.5	12.036	12.018	33.476	25.403	26.028	25.399	260.0	4.866	90.7	1497.9	370.1	130.9
150.0	149.4	11.950	11.931	33.587	25.506	26.176	25.502	250.4	5.122	90.9	1498.0	419.8	168.6
160.0	159.4	11.345	11.325	33.625	25.646	26.363	25.643	237.1	5.366	91.0	1496.0	472.0	84.5
170.0	169.3	11.141	11.120	33.634	25.691	26.453	25.687	233.1	5.601	90.9	1495.5	526.5	101.7
180.0	179.3	10.464	10.442	33.669	25.837	26.647	25.834	219.2	5.828	90.9	1493.3	583.4	119.2
190.0	189.2	9.984	9.962	33.722	25.961	26.817	25.957	207.5	6.043	91.0	1491.8	642.4	217.7
200.0	199.2	9.896	9.874	33.760	26.006	26.907	26.002	203.5	6.249	90.9	1491.7	703.5	107.1
210.0	209.1	9.589	9.565	33.797	26.086	27.033	26.082	195.9	6.447	91.0	1490.8	766.6	31.2
220.0	219.1	9.248	9.224	33.850	26.183	27.177	26.179	186.8	6.638	90.9	1489.7	831.7	21.8
230.0	229.0	8.972	8.947	33.878	26.248	27.289	26.244	180.7	6.820	90.9	1488.9	898.6	27.9
240.0	238.9	8.722	8.697	33.908	26.311	27.398	26.307	174.8	6.998	90.9	1488.2	967.2	20.2
250.0	248.9	8.575	8.549	33.941	26.359	27.493	26.355	170.3	7.172	90.9	1487.8	1037.6	65.0
260.0	258.8	8.375	8.349	33.958	26.404	27.583	26.400	166.2	7.339	90.9	1487.2	1109.7	37.4
270.0	268.7	8.280	8.252	33.971	26.428	27.654	26.424	164.0	7.504	90.9	1487.0	1183.5	55.6
280.0	278.7	8.035	8.007	33.995	26.484	27.756	26.479	158.8	7.666	90.8	1486.3	1258.8	46.5
290.0	288.6	7.903	7.874	33.998	26.506	27.824	26.501	156.8	7.823	90.9	1486.0	1335.8	22.4
300.0	298.5	7.704	7.674	33.999	26.535	27.900	26.531	154.1	7.979	90.9	1485.4	1414.2	17.1
310.0	308.5	7.590	7.560	33.997	26.551	27.962	26.546	152.7	8.132	90.8	1485.1	1494.2	13.9
320.0	318.4	7.443	7.412	34.004	26.577	28.034	26.572	150.3	8.284	90.8	1484.7	1575.8	35.2
330.0	328.3	7.228	7.197	34.001	26.605	28.110	26.601	147.6	8.433	90.8	1484.0	1658.8	19.1
340.0	338.3	7.123	7.091	33.997	26.616	28.167	26.612	146.7	8.580	90.8	1483.8	1743.2	15.6
350.0	348.2	6.916	6.884	33.992	26.640	28.239	26.636	144.4	8.726	90.7	1483.1	1829.2	11.4
360.0	358.1	6.851	6.818	34.002	26.658	28.302	26.653	142.8	8.870	90.8	1483.0	1916.5	34.6
370.0	368.0	6.612	6.579	33.996	26.685	28.376	26.680	140.2	9.011	90.8	1482.2	2005.3	11.1
380.0	378.0	6.532	6.498	34.000	26.699	28.437	26.694	139.0	9.151	90.7	1482.1	2095.4	25.4
390.0	387.9	6.453	6.418	34.014	26.720	28.504	26.715	137.1	9.288	90.6	1481.9	2186.9	5.5
400.0	397.8	6.359	6.323	34.017	26.735	28.566	26.730	135.7	9.425	90.6	1481.7	2279.8	24.2
410.0	407.8	6.225	6.189	34.019	26.753	28.631	26.749	134.0	9.559	90.6	1481.4	2374.0	9.9
420.0	417.7	6.159	6.122	34.034	26.774	28.698	26.769	132.1	9.693	90.6	1481.3	2469.6	25.4
430.0	427.6	6.040	6.002	34.041	26.794	28.765	26.790	130.2	9.824	90.6	1481.0	2566.4	12.8
440.0	437.5	5.900	5.862	34.043	26.814	28.832	26.810	128.3	9.953	90.6	1480.6	2664.6	29.1
450.0	447.4	5.731	5.693	34.045	26.837	28.902	26.832	126.2	10.080	90.6	1480.1	2763.9	13.3
460.0	457.4	5.684	5.646	34.059	26.853	28.965	26.849	124.7	10.206	90.6	1480.1	2864.6	13.9
470.0	467.3	5.756	5.716	34.088	26.868	29.024	26.863	123.5	10.330	90.5	1480.6	2966.5	15.1
480.0	477.2	5.631	5.590	34.093	26.886	29.090	26.882	121.7	10.453	90.5	1480.2	3069.6	18.0
490.0	487.1	5.576	5.535	34.105	26.903	29.153	26.898	120.3	10.574	90.5	1480.2	3173.8	14.5
500.0	497.0	5.538	5.496	34.115	26.916	29.211	26.910	119.2	10.693	90.5	1480.2	3279.3	9.8
510.0	507.0	5.462	5.420	34.120	26.928	29.271	26.923	118.0	10.812	90.6	1480.1	3386.0	18.6
520.0	516.9	5.349	5.306	34.114	26.937	29.327	26.932	117.1	10.930	90.5	1479.8	3493.8	30.0
530.0	526.8	5.312	5.269	34.125	26.950	29.386	26.945	116.0	11.046	90.7	1479.8	3602.8	12.4
540.0	536.7	5.276	5.232	34.131	26.959	29.441	26.954	115.2	11.161	90.6	1479.8	3712.9	21.2
550.0	546.6	5.117	5.073	34.131	26.978	29.508	26.973	113.3	11.276	90.6	1479.3	3824.2	19.4
560.0	556.5	5.050	5.005	34.138	26.991	29.567	26.986	112.2	11.388	90.6	1479.2	3936.5	12.4
570.0	566.5	4.997	4.952	34.144	27.002	29.625	26.997	111.2	11.500	90.6	1479.2	4050.0	14.7
580.0	576.4	4.999	4.952	34.161	27.016	29.684	27.010	110.0	11.610	90.6	1479.4	4164.6	15.6
590.0	586.3	4.916	4.869	34.170	27.032	29.748	27.027	108.4	11.720	90.7	1479.2	4280.2	33.2
600.0	596.2	4.799	4.752	34.171	27.046	29.809	27.041	107.1	11.827	90.6	1478.9	4396.9	7.1
610.0	606.1	4.678	4.630	34.170	27.059	29.869	27.054	105.8	11.934	90.6	1478.5	4514.7	22.9
620.0	616.0	4.615	4.567	34.177	27.071	29.929	27.066	104.6	12.039	90.6	1478.5	4633.5	2.4
630.0	626.0	4.592	4.544	34.184	27.080	29.983	27.074	103.9	12.143	90.6	1478.5	4753.4	14.1
640.0	635.9	4.578	4.529	34.197	27.091	30.041	27.086	102.9	12.246	90.7	1478.7	4874.2	3.8
650.0	645.8	4.558	4.508	34.205	27.101	30.096	27.095	102.1	12.349	89.6	1478.7	4996.1	10.3
660.0	655.7	4.521	4.471	34.216	27.113	30.154	27.107	101.0	12.450	90.6	1478.8	5119.0	16.7
670.0	665.6	4.487	4.436	34.229	27.127	30.215	27.122	99.7	12.551	90.6	1478.8	5242.9	19.4
680.0	675.5	4.454	4.402	34.238	27.138	30.272	27.133	98.7	12.650	90.6	1478.8	5367.7	3.0
690.0	685.4	4.436	4.384	34.245	27.146	30.326	27.140	98.1	12.748	90.7	1478.9	5493.6	11.5
700.0	695.3	4.414	4.360	34.256	27.156	30.383	27.151	97.2	12.846	90.6	1479.0	5620.4	11.8
710.0	705.2	4.378	4.324	34.270	27.171	30.444	27.166	95.8	12.943	90.6	1479.1	5748.1	10.0
720.0	715.1	4.343	4.288	34.281	27.184	30.503	27.178	94.6	13.038	90.7	1479.1	5876.8	18.5
730.0	725.0	4.328	4.273	34.291	27.193	30.558	27.187	93.9	13.132	90.7	1479.2	6006.4	13.2
740.0	734.9	4.310	4.254	34.293	27.198	30.608	27.191	93.6	13.226	90.7	1479.3	6137.0	9.7
750.0	744.8	4.293	4.236	34.307	27.211	30.668	27.205	92.4	13.319	90.6	1479.4	6268.4	6.8
760.0	754.8	4.279	4.221	34.314	27.217	30.720	27.211	91.8	13.411	90.6	1479.5	6400.8	6.5
770.0	764.7	4.251	4.192	34.320	27.226	30.775	27.219	91.1	13.502	90.7	1479.6	6534.1	.7
780.0	774.6	4.220	4.161	34.332	27.238	30.834	27.232	89.9	13.593	90.6	1479.6	6668.3	14.4
790.0	784.5	4.194	4.134	34.338	27.245	30.887	27.239	89.4	13.682	90.6	1479.7	6803.3	6.8
800.0	794.4	4.185	4.125	34.346	27.253	30.941	27.247	88.7	13.771	90.7	1479.8	6939.2	1.3
810.0	804.3	4.135	4.074	34.352	27.263	30.997	27.257	87.7	13.859	90.6	1479.8	7076.0	8.3
820.0	814.2	4.117	4.055	34.357	27.269	31.050	27.263	87.2	13.947	90.6	1479.9	7213.7	10.1
830.0	824.1	4.087	4.025	34.367	27.280	31.107	27.274	86.2	14.033	90.6	1480.0	7352.2	4.2
840.0	834.0	4.063	4.000	34.371	27.286	31.159	27.279	85.8	14.119	90.7	1480.0	7491.6	7.4
850.0	843.9	4.037	3.974	34.375	27.292	31.210	27.285	85.3	14.205	90.7	1480.1	7631.8	7.7
860.0	853.8	4.010	3.946	34.382	27.300	31.265	27.293	84.5	14.290	90.6	1480.1	7772.8	6.3
870.0	863.7	3.983	3.918	34.387	27.307	31.319	27.301	83.9	14.374	90.5	1480.2	7914.7	7.5
880.0	873.6	3.963	3.897	34.395	27.316	31.373	27.309	83.1	14.458	90.7	1480.3	8057.3	7.2
890.0	883.5	3.942	3.876	34.400	27.321	31.425	27.315	82.6	14.540	90.6	1480.4	8200.9	15.7
900.0	893.4	3.918	3.851	34.414	27.335	31.485	27.328	81.4	14.622	90.6	1480.5	8345.2	5.4
910.0	903.3	3.901	3.833	34.418	27.341	31.536	27.334	81.0	14.704	90.6	1480.6	8490.3	6.3
920.0	913.2	3.872	3.803	34.427	27.350	31.592	27.343	80.1	14.784	90.6	1480.6	8636.2	5.7
930.0	923.0	3.843	3.775	34.432	27.358	31.646	27.351	79.4	14.864	90.7	1480.7	8782.9	5.7
940.0	932.9	3.823	3.754	34.436	27.362	31.697	27.356	79.0	14.943	90.6	1480.7	8930.3	3.7
950.0	942.8	3.807	3.737	34.440	27.367	31.748	27.360	78.6	15.022	90.7	1480.9	9078.6	2.2
960.0	952.7	3.785	3.714	34.445	27.374	31.800	27.367	78.1	15.100	90.7	1480.9	9227.6	7.2
970.0	962.6	3.763	3.692	34.450	27.380	31.853	27.373	77.5	15.178	90.7	1481.0	9377.3	7.2
980.0	972.5	3.739	3.667	34.454	27.386	31.905	27.379	77.0	15.255	90.6	1481.1	9527.9	11.0
990.0	982.4	3.708	3.635	34.459	27.393	31.958	27.385	76.4	15.332	90.6	1481.1	9679.2	3.4

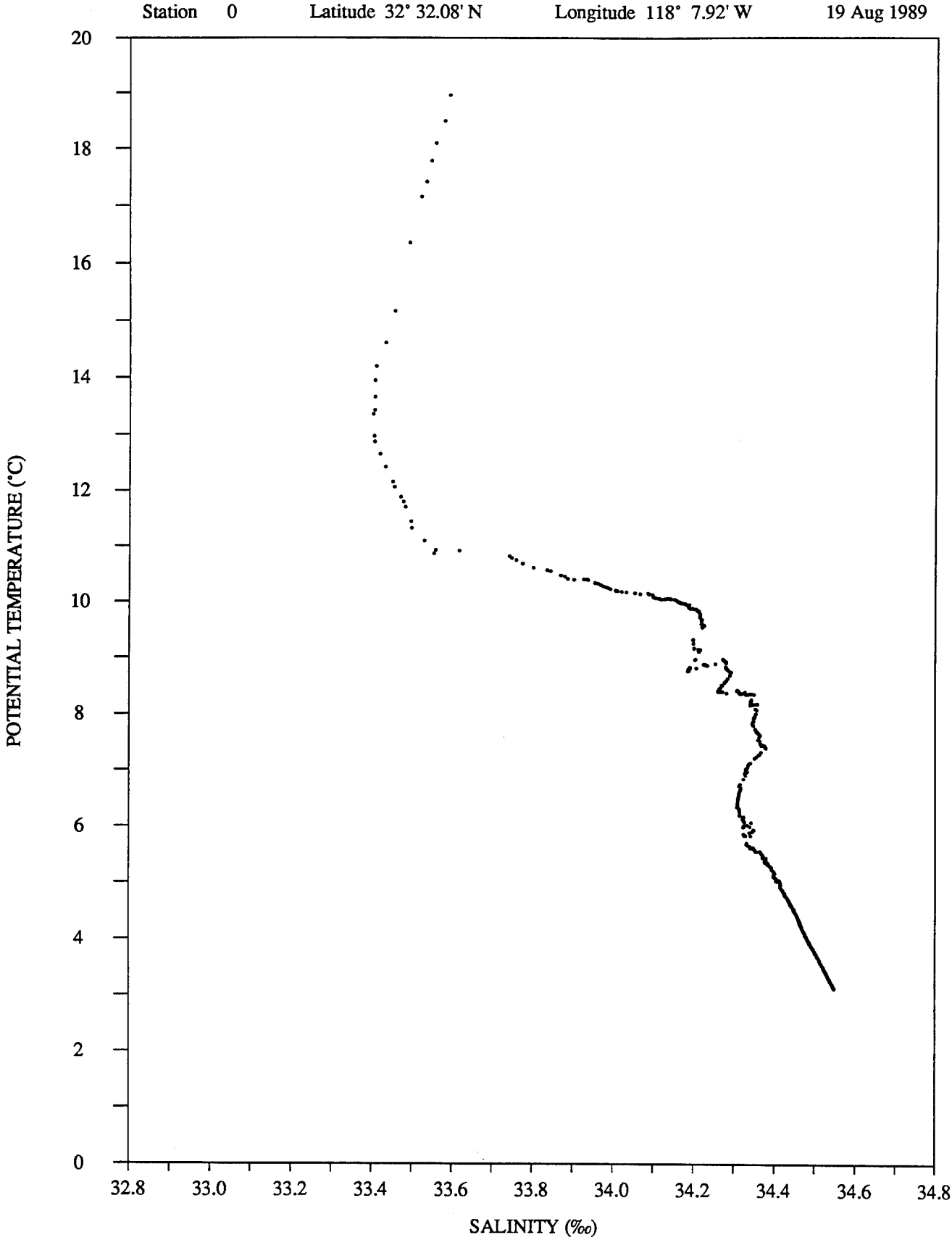
Station 84 Latitude 31° 04.16'N Longitude 126° 38.89'W 01 Sep 1989 GMT 10:23 Bottom 4350 m

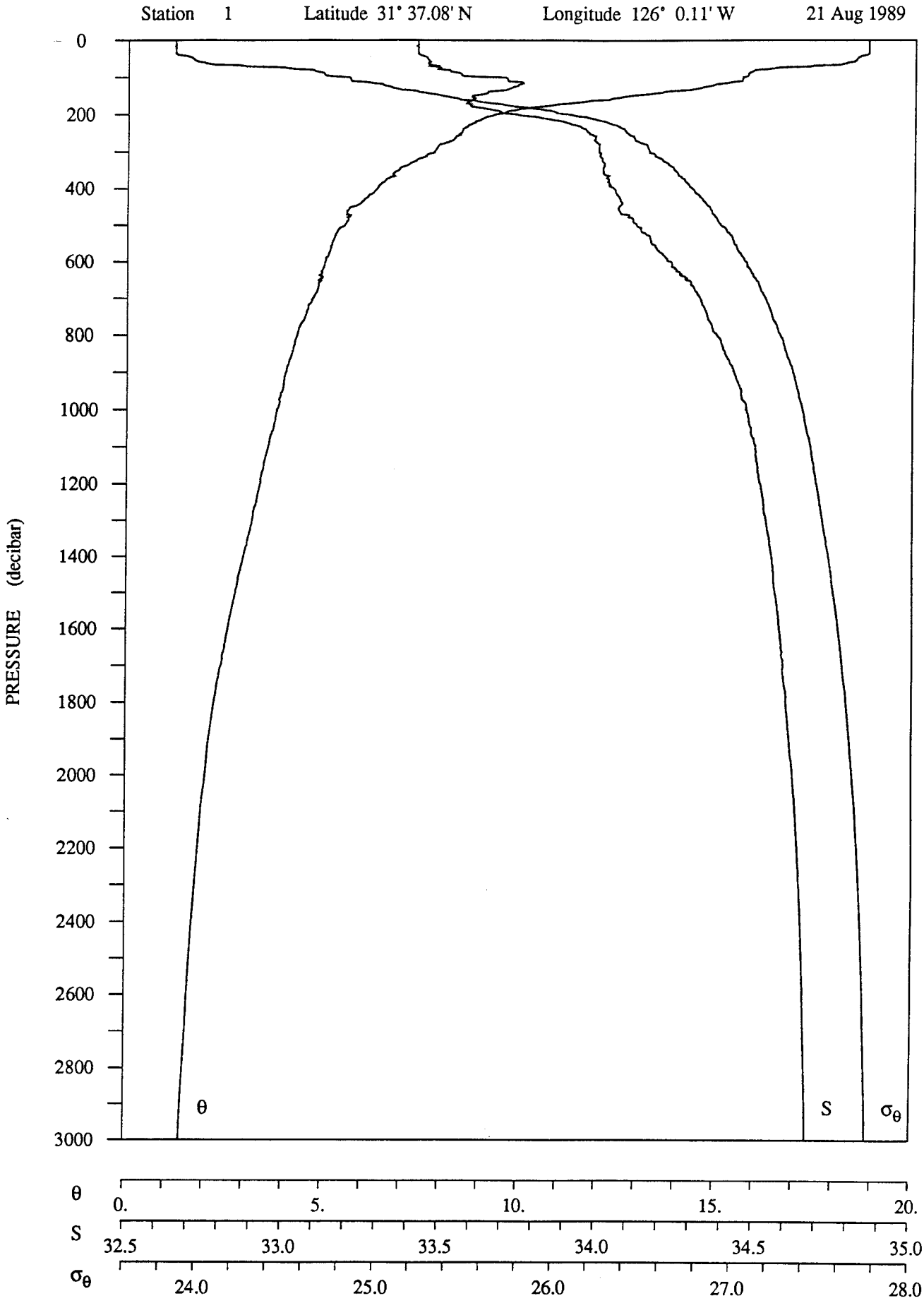
Pres. db	Depth m	Temp. °C	Pot.T. °C	Sal 0/00	Sigma-θ kg/m^3	Sigma-z kg/m^3	Sigma-t kg/m^3	Delta 10^8m^3/kg	Dyn.Ht J/kg	LTR 0/0	SV m/s	TF m^3/s^2	N^2 10^6/s^2
1000.0	992.3	3.685	3.612	34.461	27.397	32.008	27.390	76.0	15.408	90.7	1481.2	9831.2	3.4
1020.0	1012.1	3.644	3.569	34.471	27.409	32.113	27.402	74.9	15.559	90.7	1481.4	10137.5	5.2
1040.0	1031.9	3.595	3.519	34.478	27.419	32.216	27.412	74.0	15.708	90.6	1481.5	10446.7	4.6
1060.0	1051.6	3.553	3.476	34.486	27.430	32.318	27.422	73.1	15.855	90.7	1481.7	10758.8	-.1
1080.0	1071.4	3.517	3.438	34.490	27.437	32.417	27.429	72.5	16.000	90.7	1481.8	11073.8	2.0
1100.0	1091.2	3.470	3.390	34.496	27.446	32.519	27.439	71.6	16.144	90.6	1482.0	11391.6	7.0
1120.0	1111.0	3.422	3.342	34.502	27.455	32.621	27.448	70.8	16.287	90.6	1482.1	11712.2	8.7
1140.0	1130.7	3.363	3.281	34.507	27.466	32.724	27.458	69.9	16.427	90.6	1482.2	12035.6	5.5
1160.0	1150.5	3.329	3.246	34.513	27.473	32.824	27.466	69.2	16.566	90.6	1482.4	12361.7	4.7
1180.0	1170.3	3.291	3.207	34.517	27.481	32.924	27.473	68.6	16.704	90.6	1482.6	12690.5	5.0
1200.0	1190.0	3.265	3.179	34.524	27.488	33.023	27.480	67.9	16.841	90.6	1482.8	13022.0	2.9
1220.0	1209.8	3.222	3.135	34.529	27.497	33.123	27.488	67.2	16.976	90.6	1482.9	13356.1	3.8
1240.0	1229.5	3.186	3.097	34.532	27.503	33.222	27.494	66.7	17.110	90.7	1483.1	13692.9	2.4
1260.0	1249.3	3.150	3.060	34.535	27.508	33.319	27.500	66.2	17.243	90.6	1483.3	14032.3	.0
1280.0	1269.1	3.106	3.016	34.539	27.516	33.419	27.507	65.5	17.375	90.7	1483.5	14374.2	3.5
1300.0	1288.8	3.066	2.974	34.540	27.520	33.516	27.512	65.1	17.505	90.5	1483.6	14718.7	2.1
1320.0	1308.6	3.038	2.944	34.543	27.526	33.614	27.517	64.6	17.635	90.6	1483.8	15065.7	3.3
1340.0	1328.3	3.006	2.911	34.546	27.531	33.710	27.522	64.2	17.764	90.6	1484.0	15415.3	6.2
1360.0	1348.1	2.967	2.871	34.551	27.539	33.811	27.530	63.5	17.892	90.6	1484.2	15767.4	1.5
1380.0	1367.8	2.928	2.831	34.555	27.545	33.909	27.536	62.9	18.018	90.6	1484.4	16121.9	1.8
1400.0	1387.6	2.903	2.805	34.558	27.550	34.006	27.541	62.5	18.143	90.6	1484.6	16478.9	5.1
1420.0	1407.3	2.871	2.771	34.561	27.556	34.104	27.547	62.0	18.268	90.6	1484.8	16838.3	4.2
1440.0	1427.0	2.859	2.757	34.562	27.557	34.196	27.548	61.9	18.392	90.6	1485.1	17200.1	2.5
1460.0	1446.8	2.824	2.721	34.565	27.563	34.295	27.554	61.4	18.515	90.6	1485.3	17564.4	4.2
1480.0	1466.5	2.781	2.677	34.568	27.570	34.393	27.560	60.8	18.637	90.6	1485.4	17931.0	7.5
1500.0	1486.2	2.750	2.645	34.572	27.575	34.491	27.566	60.2	18.758	90.6	1485.6	18300.0	2.2
1520.0	1506.0	2.715	2.609	34.575	27.580	34.588	27.571	59.8	18.878	90.6	1485.8	18671.3	6.6
1540.0	1525.7	2.691	2.583	34.577	27.585	34.684	27.575	59.4	18.998	90.5	1486.0	19044.9	1.4
1560.0	1545.4	2.656	2.547	34.581	27.591	34.782	27.581	58.8	19.116	90.6	1486.2	19420.9	1.7
1580.0	1565.2	2.623	2.513	34.582	27.595	34.878	27.585	58.4	19.233	90.6	1486.4	19799.2	2.8
1600.0	1584.9	2.588	2.477	34.585	27.600	34.976	27.591	57.9	19.350	90.6	1486.6	20179.7	4.6
1620.0	1604.6	2.558	2.445	34.589	27.606	35.074	27.597	57.4	19.465	90.6	1486.8	20562.4	1.4
1640.0	1624.3	2.517	2.403	34.592	27.612	35.172	27.602	56.8	19.579	90.6	1487.0	20947.4	.5
1660.0	1644.0	2.492	2.377	34.593	27.615	35.266	27.605	56.5	19.692	90.6	1487.2	21334.6	.5
1680.0	1663.8	2.459	2.343	34.597	27.621	35.364	27.611	56.0	19.805	90.5	1487.4	21724.0	4.7
1700.0	1683.5	2.425	2.308	34.599	27.625	35.461	27.616	55.5	19.916	90.5	1487.6	22115.5	1.7
1720.0	1703.2	2.399	2.280	34.602	27.630	35.557	27.620	55.1	20.027	90.6	1487.8	22509.2	2.0
1740.0	1722.9	2.371	2.250	34.605	27.635	35.654	27.625	54.6	20.136	90.5	1488.0	22905.0	1.2
1760.0	1742.6	2.347	2.226	34.606	27.638	35.748	27.628	54.4	20.246	90.6	1488.3	23303.0	2.1
1780.0	1762.3	2.328	2.204	34.608	27.641	35.843	27.631	54.1	20.354	90.5	1488.5	23703.0	4.1
1800.0	1782.0	2.302	2.178	34.611	27.646	35.939	27.635	53.6	20.462	90.6	1488.7	24105.2	2.7
1820.0	1801.7	2.282	2.157	34.613	27.649	36.033	27.638	53.4	20.569	90.6	1489.0	24509.4	1.2
1840.0	1821.4	2.262	2.135	34.614	27.652	36.128	27.642	53.1	20.675	90.5	1489.2	24915.7	3.0
1860.0	1841.1	2.239	2.110	34.617	27.656	36.223	27.646	52.7	20.781	90.5	1489.5	25324.0	2.7
1880.0	1860.8	2.209	2.079	34.619	27.660	36.319	27.650	52.3	20.886	90.5	1489.7	25734.4	-.2
1900.0	1880.5	2.190	2.059	34.621	27.663	36.413	27.653	52.0	20.990	90.6	1489.9	26146.7	2.8
1920.0	1900.2	2.169	2.036	34.623	27.667	36.508	27.656	51.7	21.094	90.5	1490.2	26561.1	1.0
1940.0	1919.9	2.150	2.016	34.625	27.670	36.602	27.659	51.4	21.197	90.5	1490.4	26977.5	1.6
1960.0	1939.6	2.140	2.004	34.626	27.672	36.695	27.661	51.3	21.300	90.5	1490.7	27395.9	1.9
1980.0	1959.3	2.119	1.983	34.629	27.676	36.790	27.665	50.9	21.402	90.5	1491.0	27816.3	1.1
2000.0	1979.0	2.090	1.952	34.631	27.680	36.886	27.669	50.5	21.503	90.5	1491.2	28238.6	4.0
2050.0	2028.2	2.056	1.914	34.634	27.686	37.118	27.674	50.0	21.755	90.6	1491.9	29302.9	.5
2100.0	2077.4	2.020	1.875	34.637	27.691	37.351	27.680	49.6	22.004	90.5	1492.6	30379.3	.3
2150.0	2126.6	1.986	1.837	34.641	27.697	37.583	27.685	49.1	22.251	90.5	1493.3	31467.6	1.2
2200.0	2175.7	1.968	1.815	34.642	27.700	37.811	27.688	49.0	22.496	90.6	1494.0	32567.8	.6
2250.0	2224.9	1.946	1.789	34.645	27.704	38.041	27.692	48.7	22.740	90.5	1494.8	33679.8	2.7
2300.0	2274.0	1.917	1.756	34.647	27.708	38.271	27.695	48.4	22.983	90.5	1495.5	34803.4	.4
2350.0	2323.2	1.889	1.724	34.649	27.712	38.500	27.699	48.1	23.224	90.5	1496.2	35938.7	.5
2400.0	2372.3	1.865	1.696	34.652	27.716	38.730	27.703	47.8	23.463	90.5	1497.0	37085.5	1.1
2450.0	2421.4	1.829	1.656	34.654	27.721	38.961	27.708	47.3	23.701	90.5	1497.7	38243.8	.0
2500.0	2470.5	1.805	1.628	34.656	27.725	39.189	27.711	47.0	23.936	90.5	1498.4	39413.4	2.4
2550.0	2519.6	1.777	1.596	34.659	27.729	39.418	27.716	46.6	24.170	90.5	1499.1	40594.3	.6
2600.0	2568.7	1.754	1.569	34.660	27.732	39.646	27.719	46.4	24.403	90.5	1499.9	41786.3	1.6
2650.0	2617.8	1.734	1.545	34.662	27.736	39.873	27.722	46.2	24.634	90.5	1500.6	42989.5	.1
2700.0	2666.8	1.713	1.519	34.664	27.739	40.100	27.725	45.9	24.865	90.5	1501.4	44203.7	.8
2750.0	2715.9	1.694	1.496	34.665	27.742	40.326	27.727	45.8	25.094	90.5	1502.1	45428.9	.2
2800.0	2764.9	1.671	1.469	34.667	27.745	40.554	27.730	45.5	25.322	90.5	1502.9	46665.0	.6
2850.0	2813.9	1.658	1.452	34.667	27.747	40.778	27.732	45.4	25.549	90.5	1503.7	47912.0	.0
2900.0	2863.0	1.640	1.429	34.669	27.750	41.004	27.734	45.2	25.776	90.4	1504.5	49169.8	.7
2950.0	2912.0	1.623	1.408	34.671	27.753	41.229	27.737	45.0	26.001	90.5	1505.2	50438.4	.4
3000.0	2960.9	1.616	1.397	34.672	27.754	41.452	27.738	45.0	26.226	90.5	1506.1	51717.8	.2
3050.0	3009.9	1.597	1.373	34.673	27.757	41.677	27.741	44.8	26.451	90.4	1506.8	53007.9	1.1
3100.0	3058.9	1.589	1.361	34.674	27.759	41.901	27.742	44.7	26.674	90.5	1507.6	54308.7	.8
3110.0	3068.7	1.588	1.358	34.674	27.759	41.945	27.742	44.7	26.719	90.4	1507.8	54570.1	.0

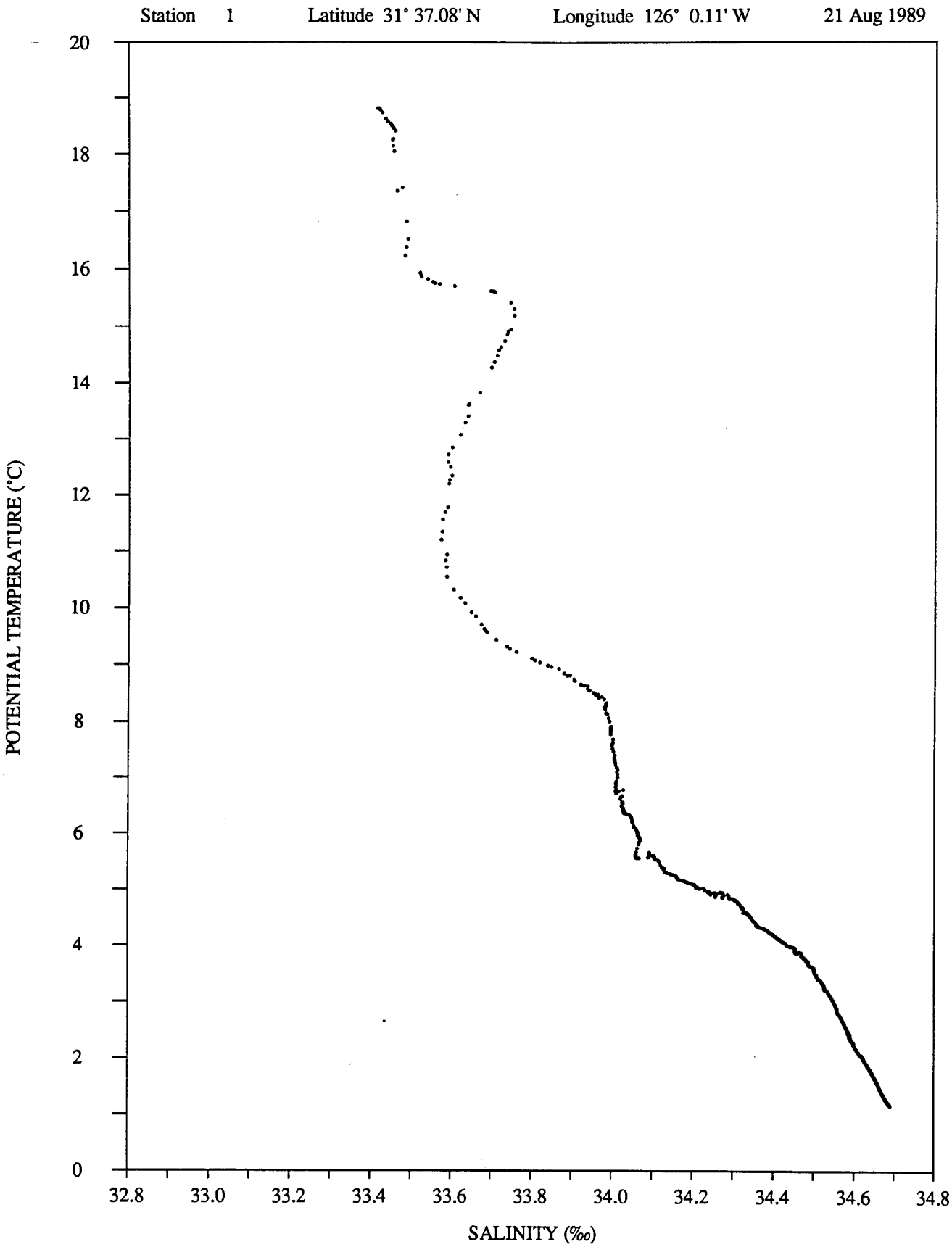
θ, S, σ_θ Profiles

θ-S Diagrams

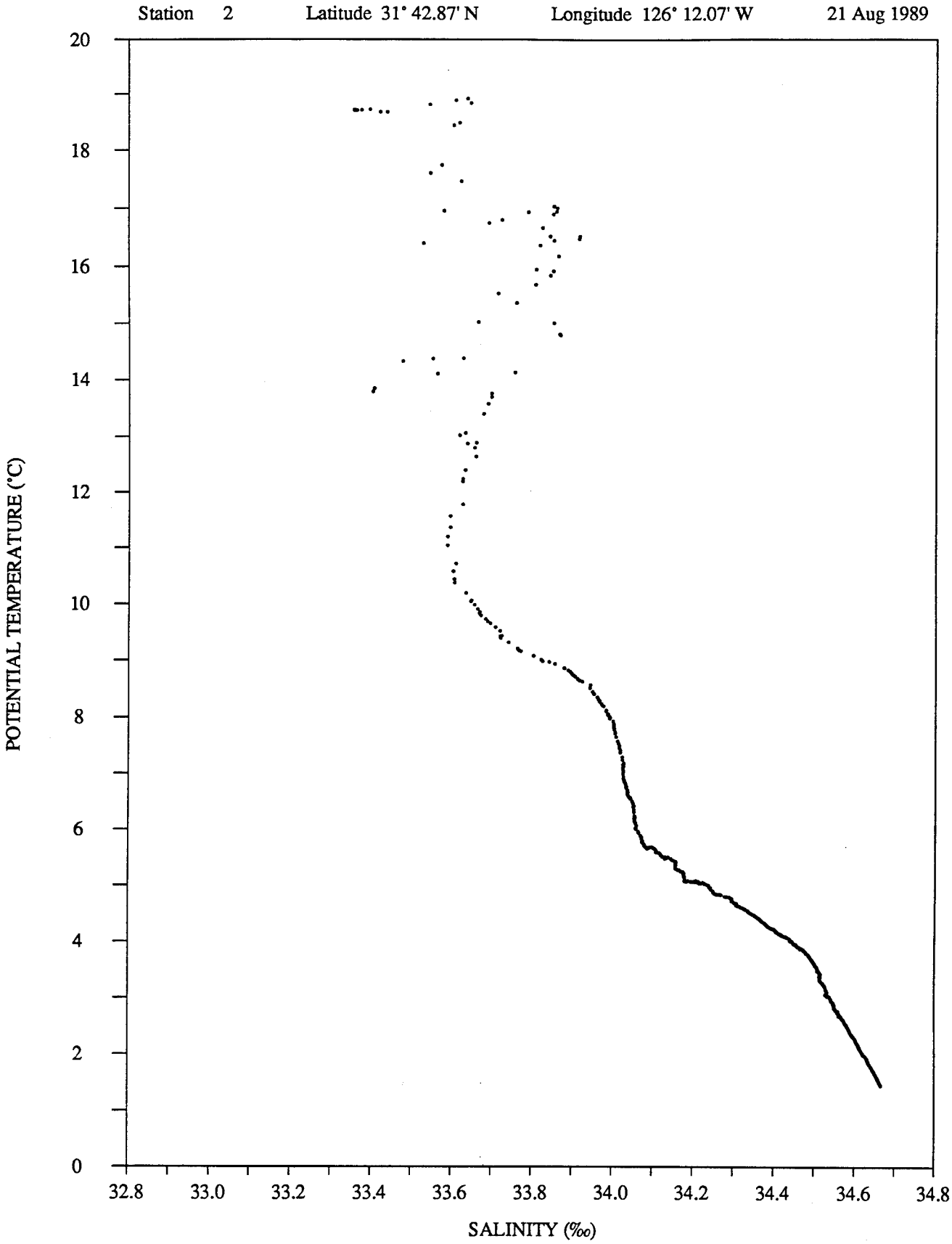

Station 0
Latitude 32° 32.08' N
Longitude 118° 7.92' W
19 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
S
σθ
θ
0.
5.
10.
15.
20.
S
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0

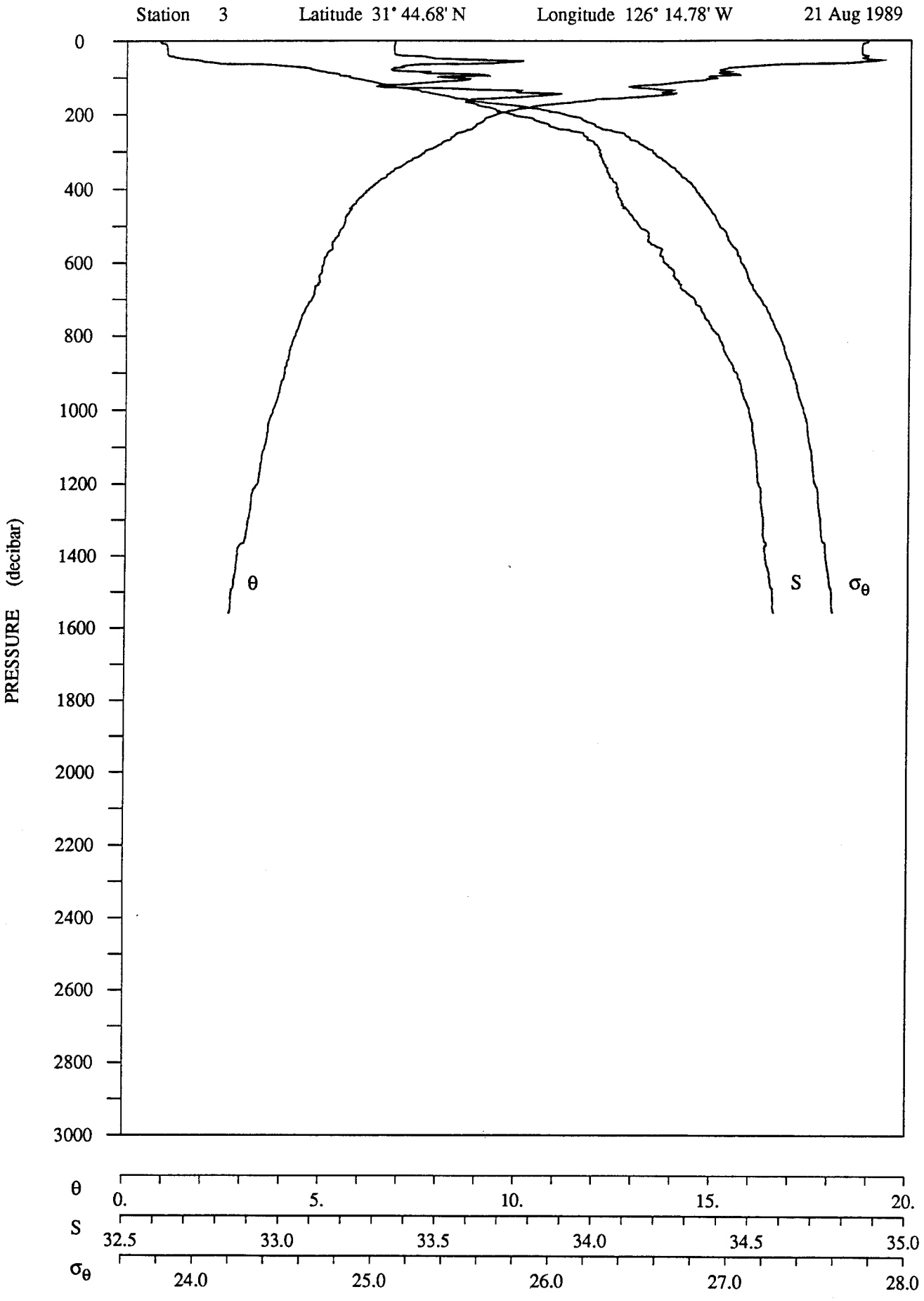

Station 0
Latitude 32° 32.08' N
Longitude 118° 7.92' W
19 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 1
Latitude 31° 37.08' N
Longitude 126° 0.11' W
21 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
S
σθ
θ
0.
5.
10.
15.
20.
S
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 1 Latitude 31° 37.08' N Longitude 126° 0.11' W 21 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)

Station 2
Latitude 31° 42.87' N
Longitude 126° 12.07' W
21 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
S
σθ
θ
0.
5.
10.
15.
20.
S
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 2
Latitude 31° 42.87' N
Longitude 126° 12.07' W
21 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 3
Latitude 31° 44.68' N
Longitude 126° 14.78' W
21 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
S
σθ
θ
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10.
15.
20.
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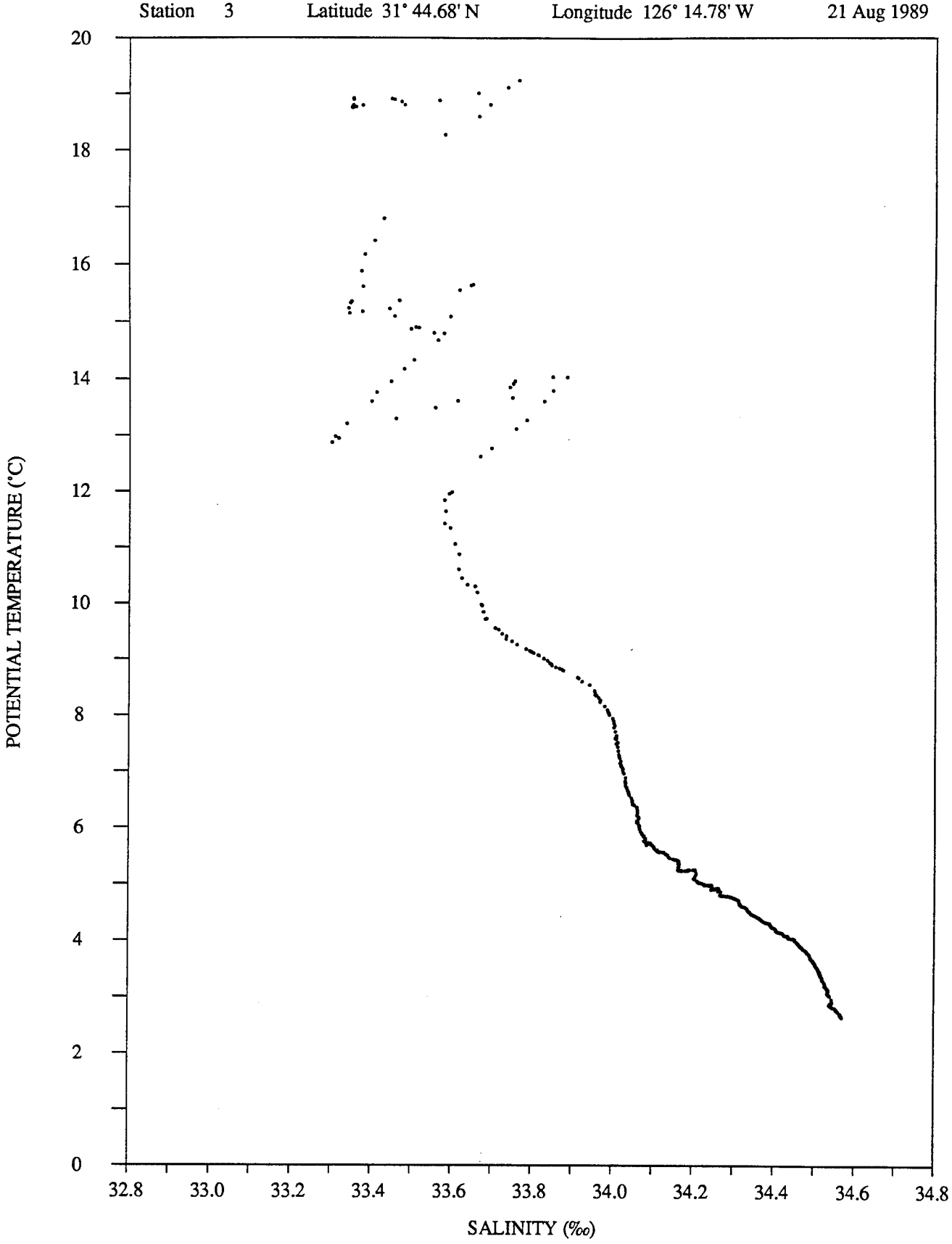
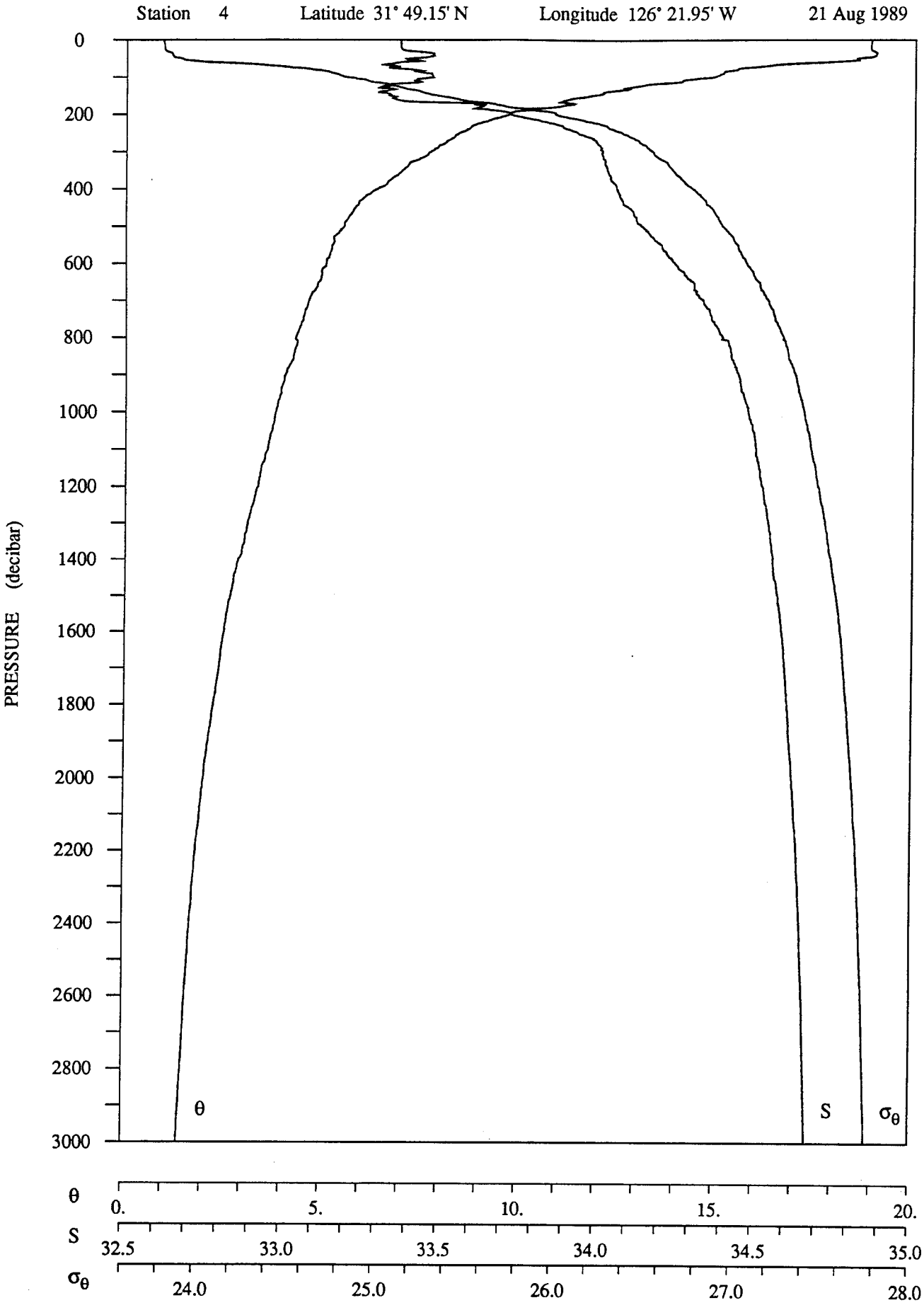
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 3
Latitude 31° 44.68' N
Longitude 126° 14.78' W
21 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 4
Latitude 31° 49.15' N
Longitude 126° 21.95' W
21 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
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θ
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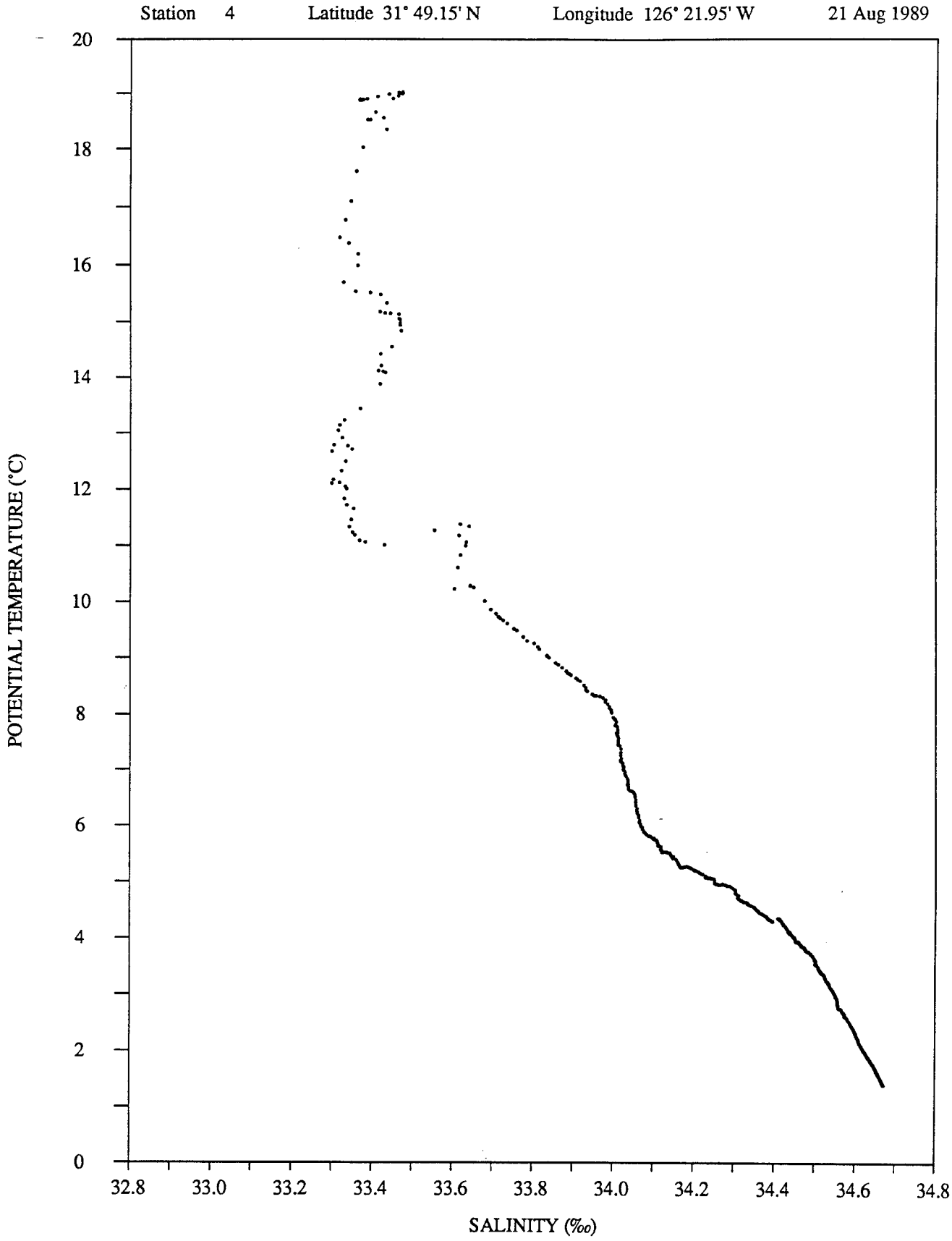
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 4 Latitude 31° 49.15' N Longitude 126° 21.95' W 21 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)

Station 5
Latitude 31° 56.16' N
Longitude 126° 36.07' W
22 Aug 1989
PRESSURE (decibar)
0
200
400
600
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1000
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1400
1600
1800
2000
2200
2400
2600
2800
3000
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θ
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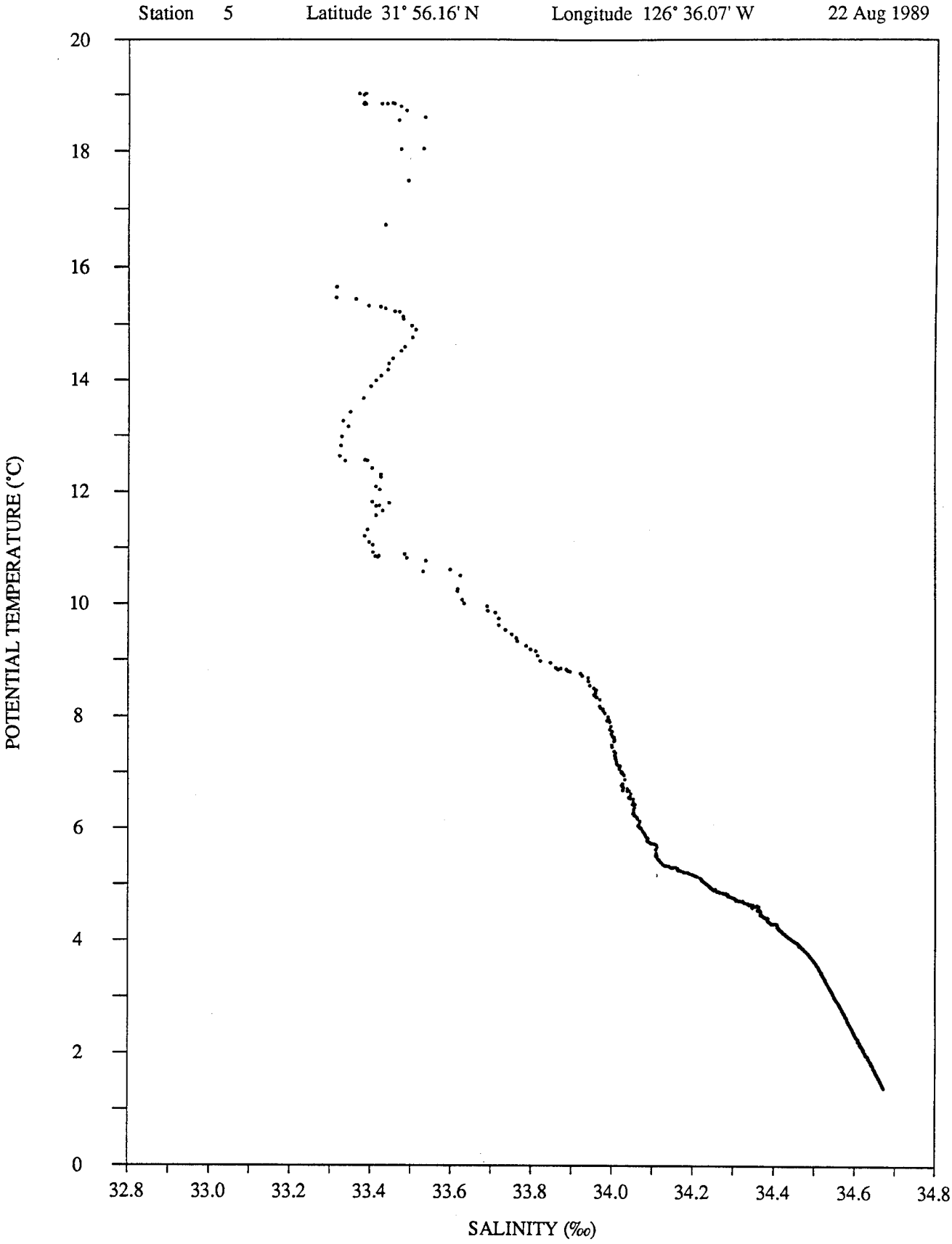
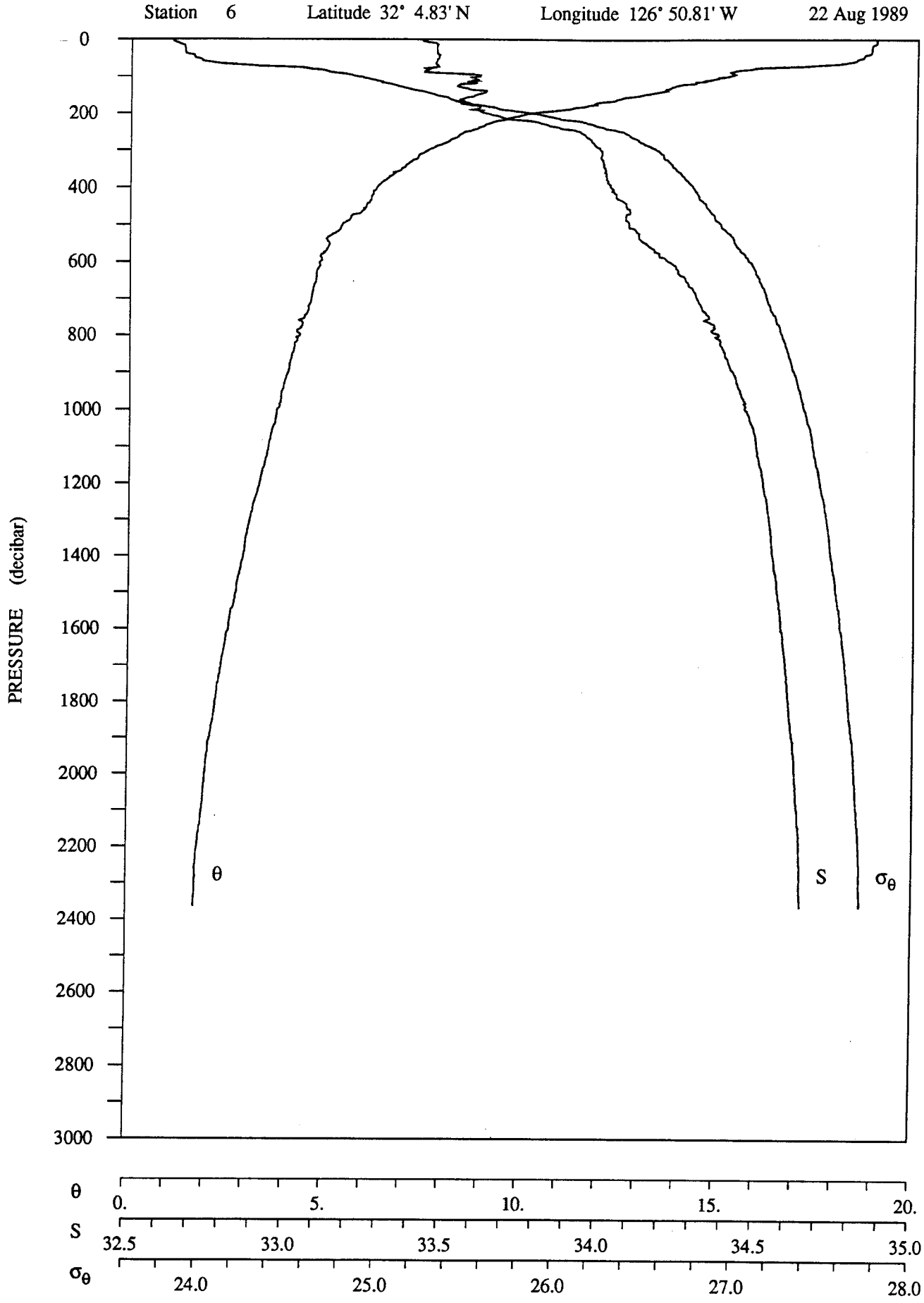
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 5
Latitude 31° 56.16' N
Longitude 126° 36.07' W
22 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 6
Latitude 32° 4.83' N
Longitude 126° 50.81' W
22 Aug 1989
PRESSURE (decibar)
0
200
400
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1000
1200
1400
1600
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2200
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2600
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θ
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33.0
33.5
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34.5
35.0
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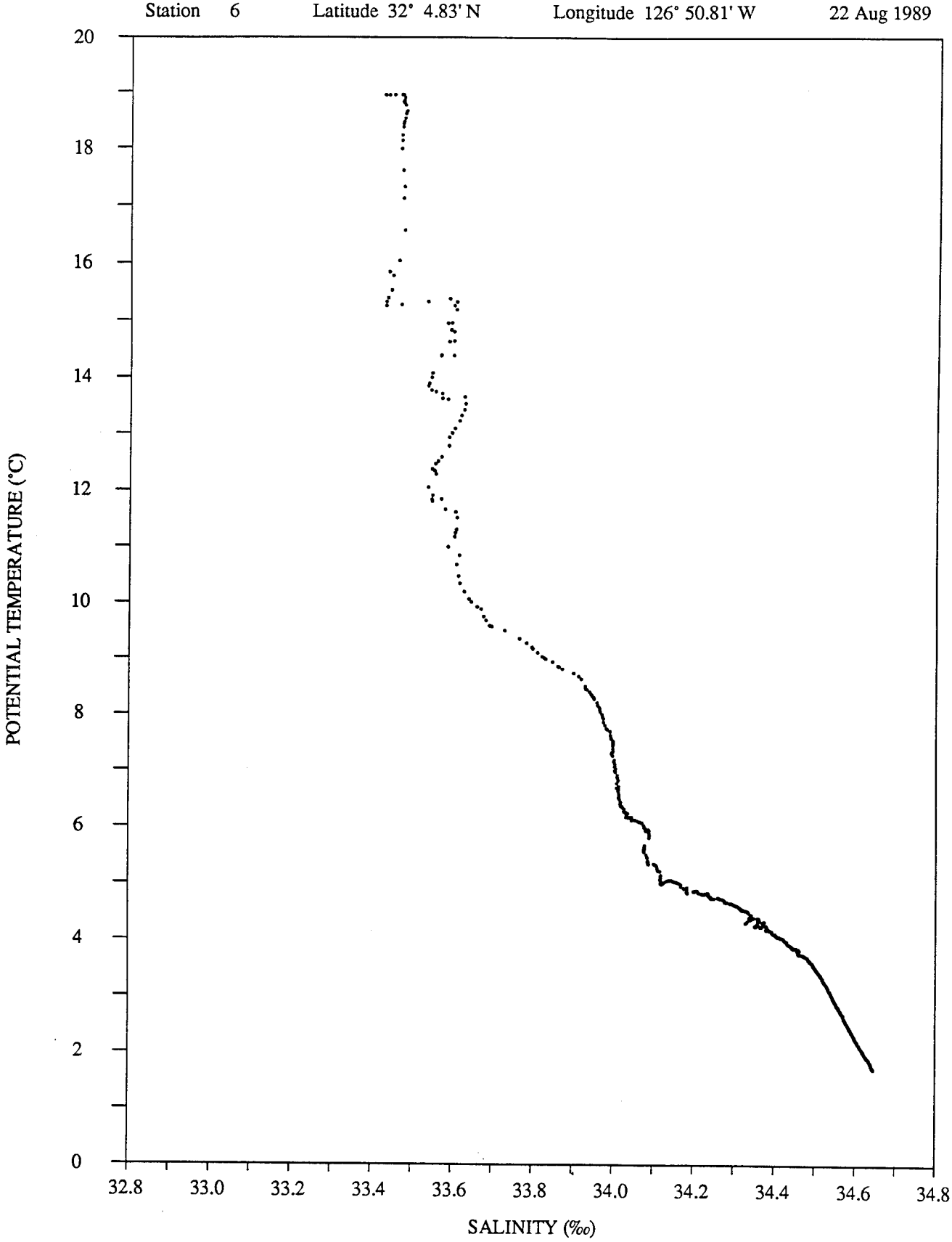
25.0
26.0
27.0
28.0


Station 6
Latitude 32° 4.83' N
Longitude 126° 50.81' W
22 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
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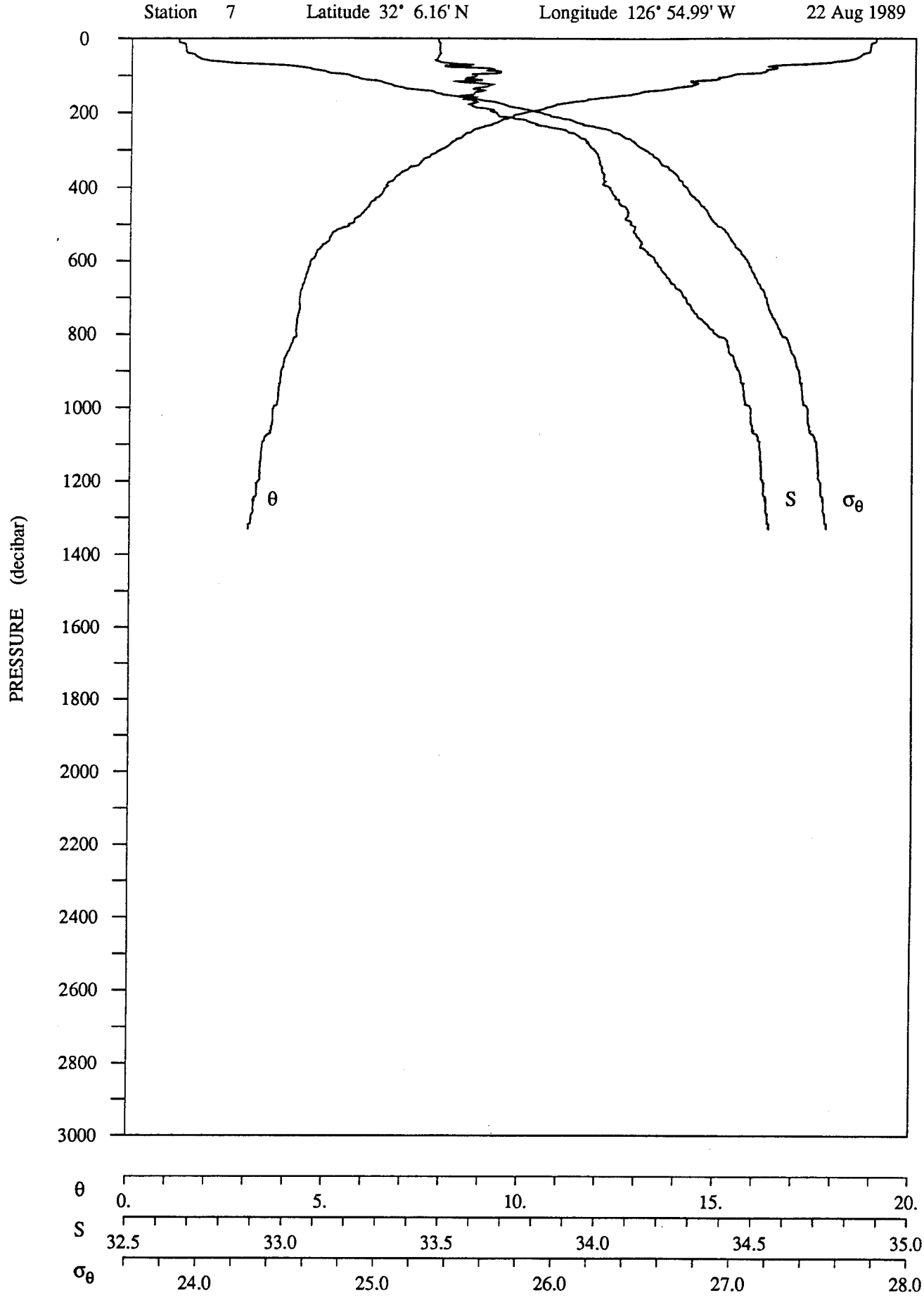
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 7
Latitude 32° 6.16' N
Longitude 126° 54.99' W
22 Aug 1989
PRESSURE (decibar)
0
200
400
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800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
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33.5
34.0
34.5
35.0
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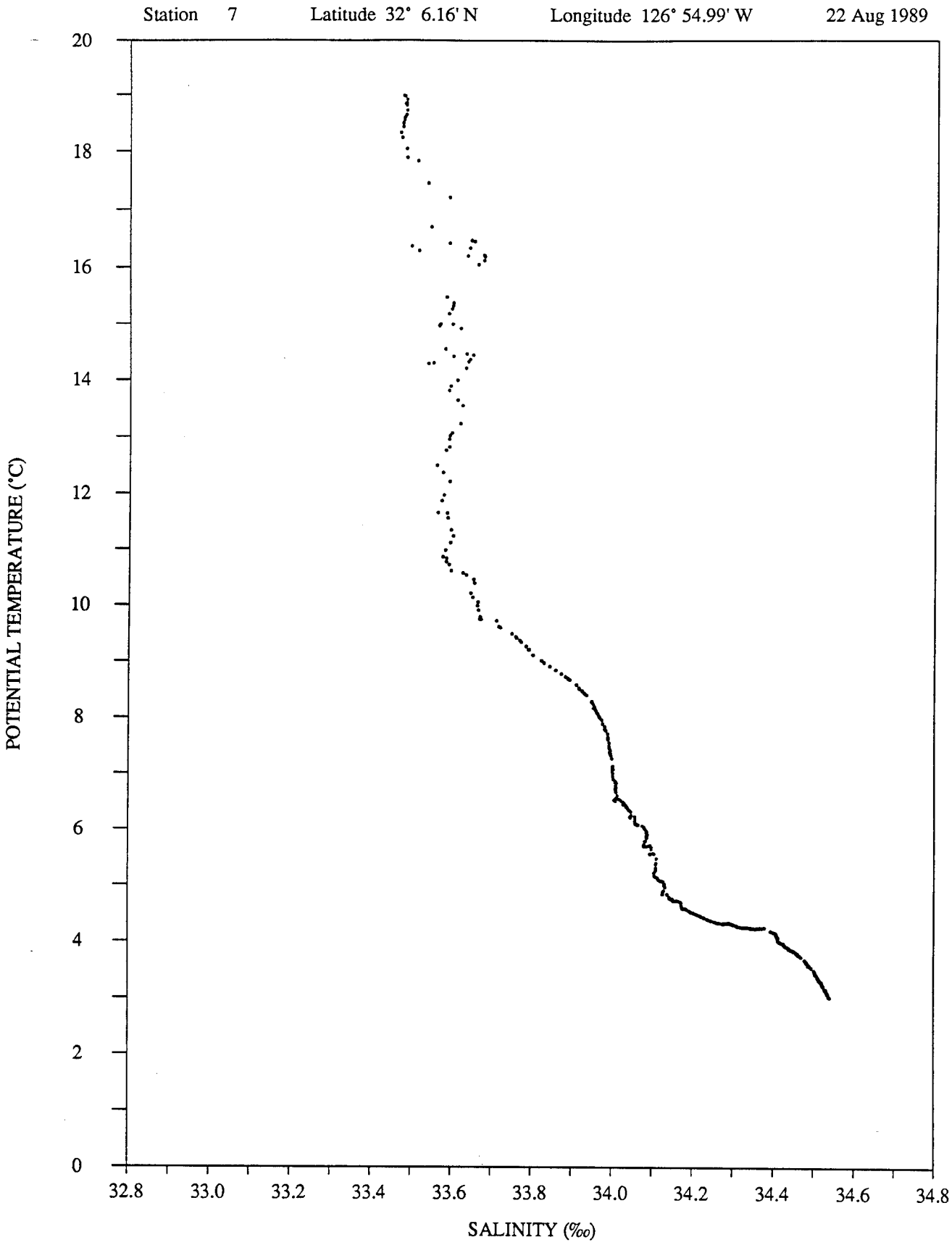
25.0
26.0
27.0
28.0


Station 7 Latitude 32° 6.16' N Longitude 126° 54.99' W 22 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
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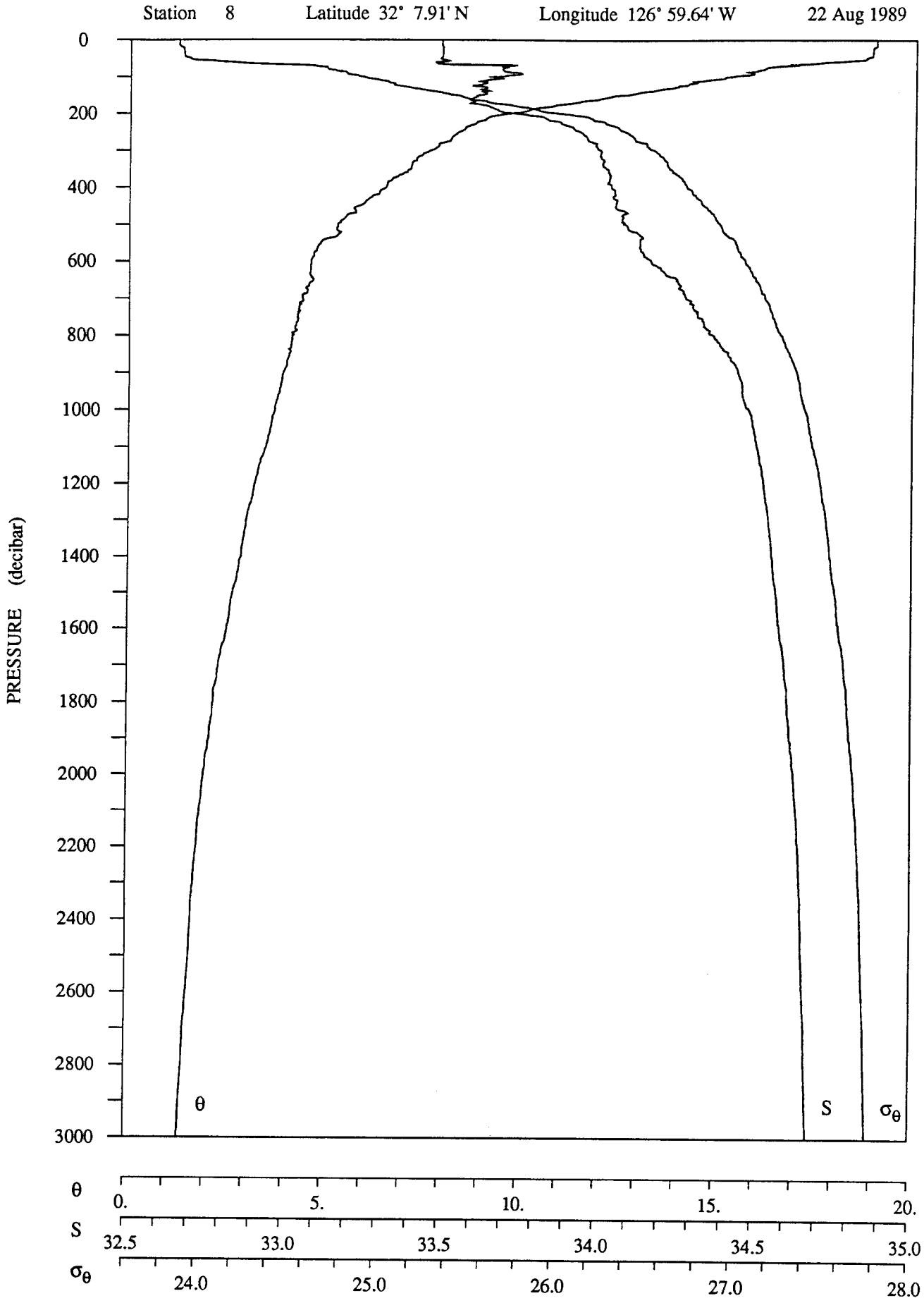
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 8
Latitude 32° 7.91' N
Longitude 126° 59.64' W
22 Aug 1989
PRESSURE (decibar)
0
200
400
600
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1000
1200
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1600
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2400
2600
2800
3000
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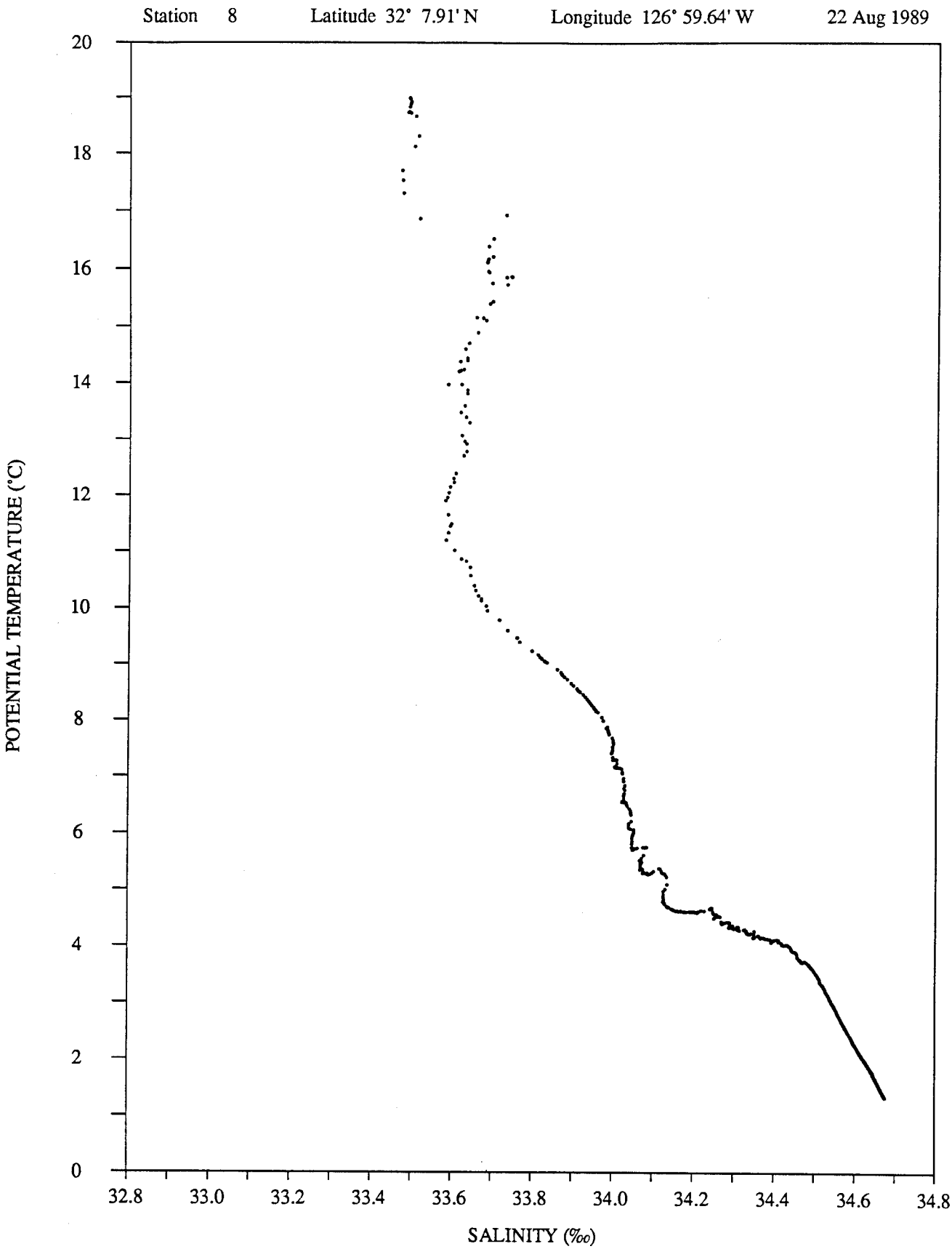
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 8
Latitude 32° 7.91' N
Longitude 126° 59.64' W
22 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
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12
10
8
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4
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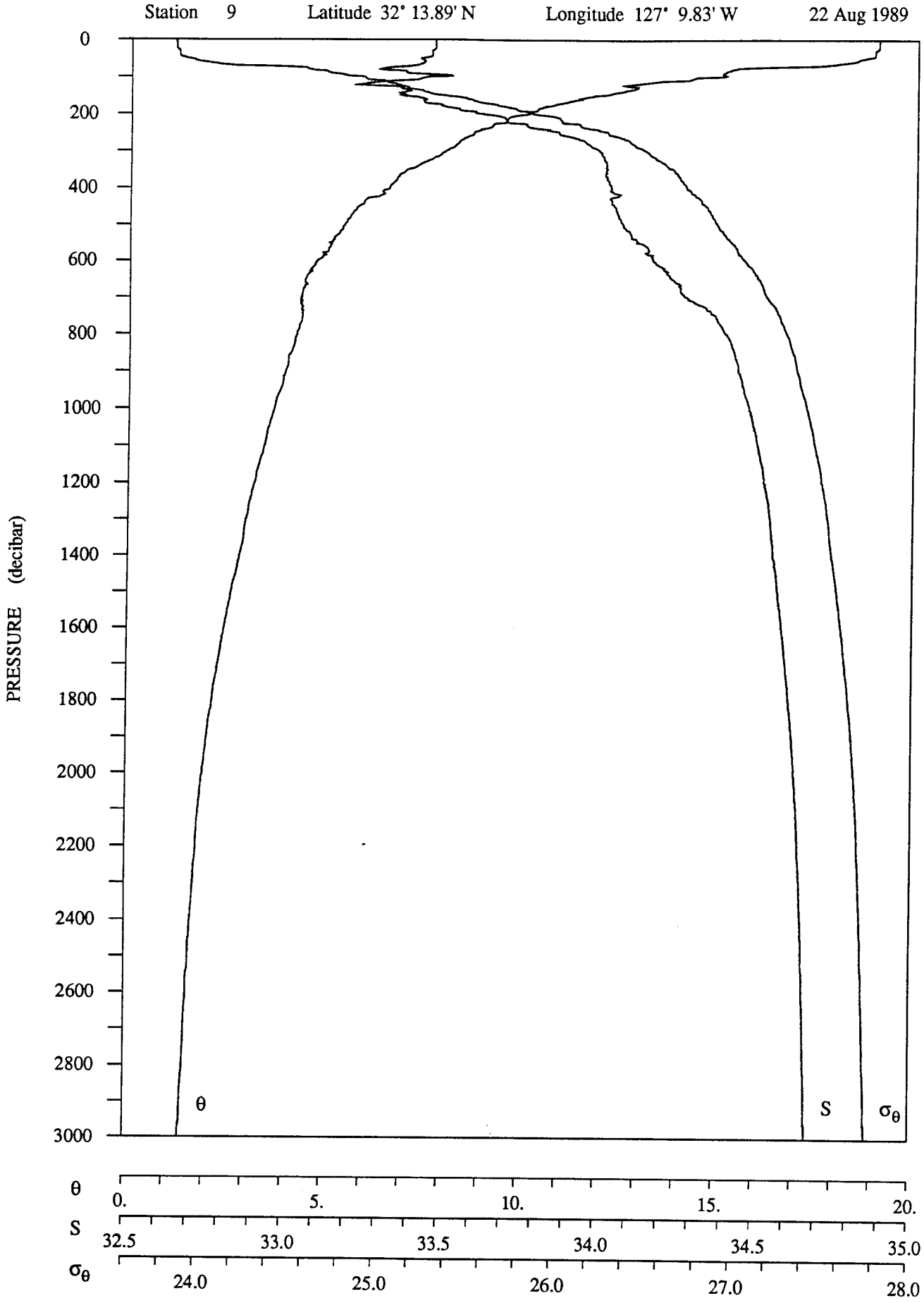
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 9
Latitude 32° 13.89' N
Longitude 127° 9.83' W
22 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
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σθ
θ
0.
5.
10.
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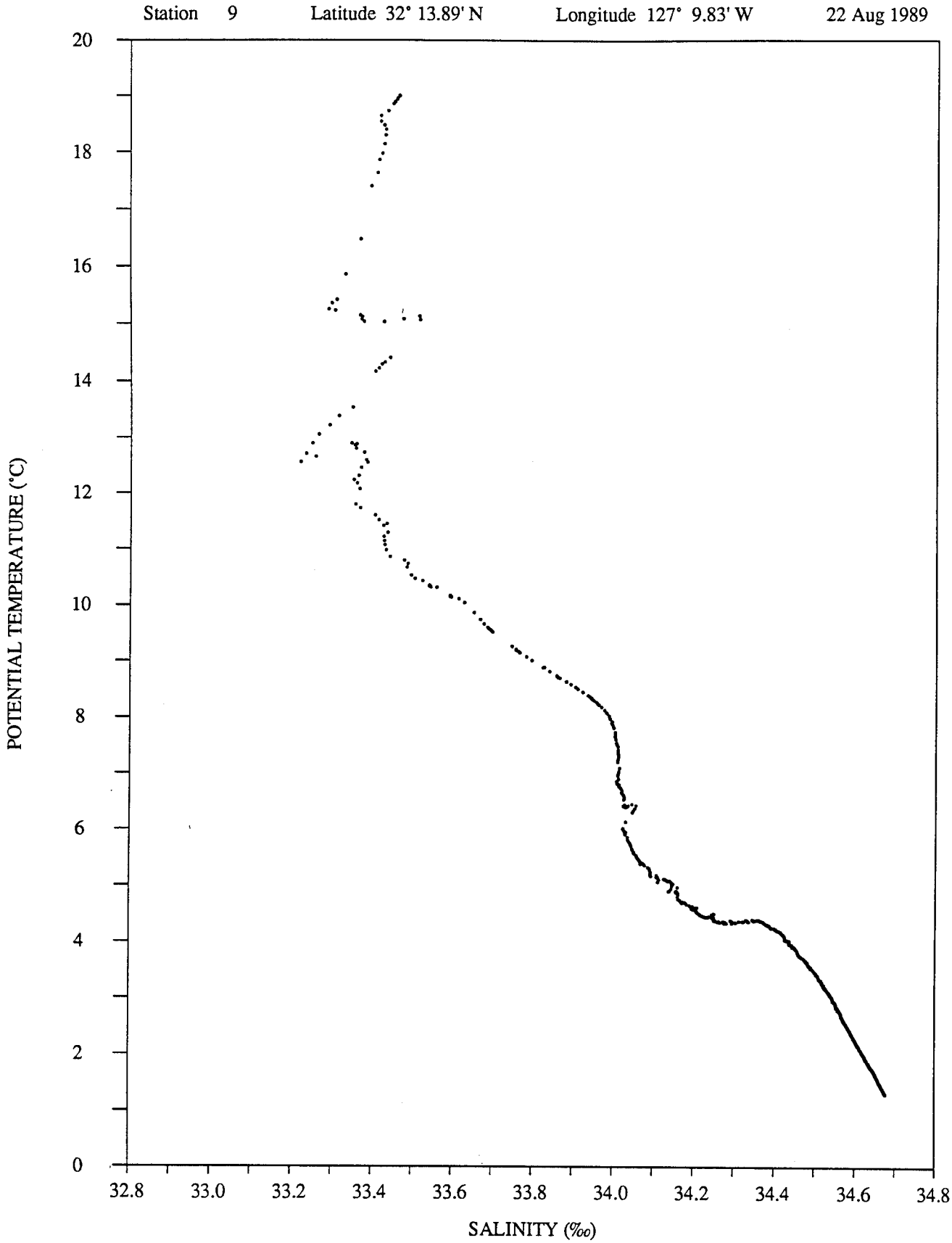
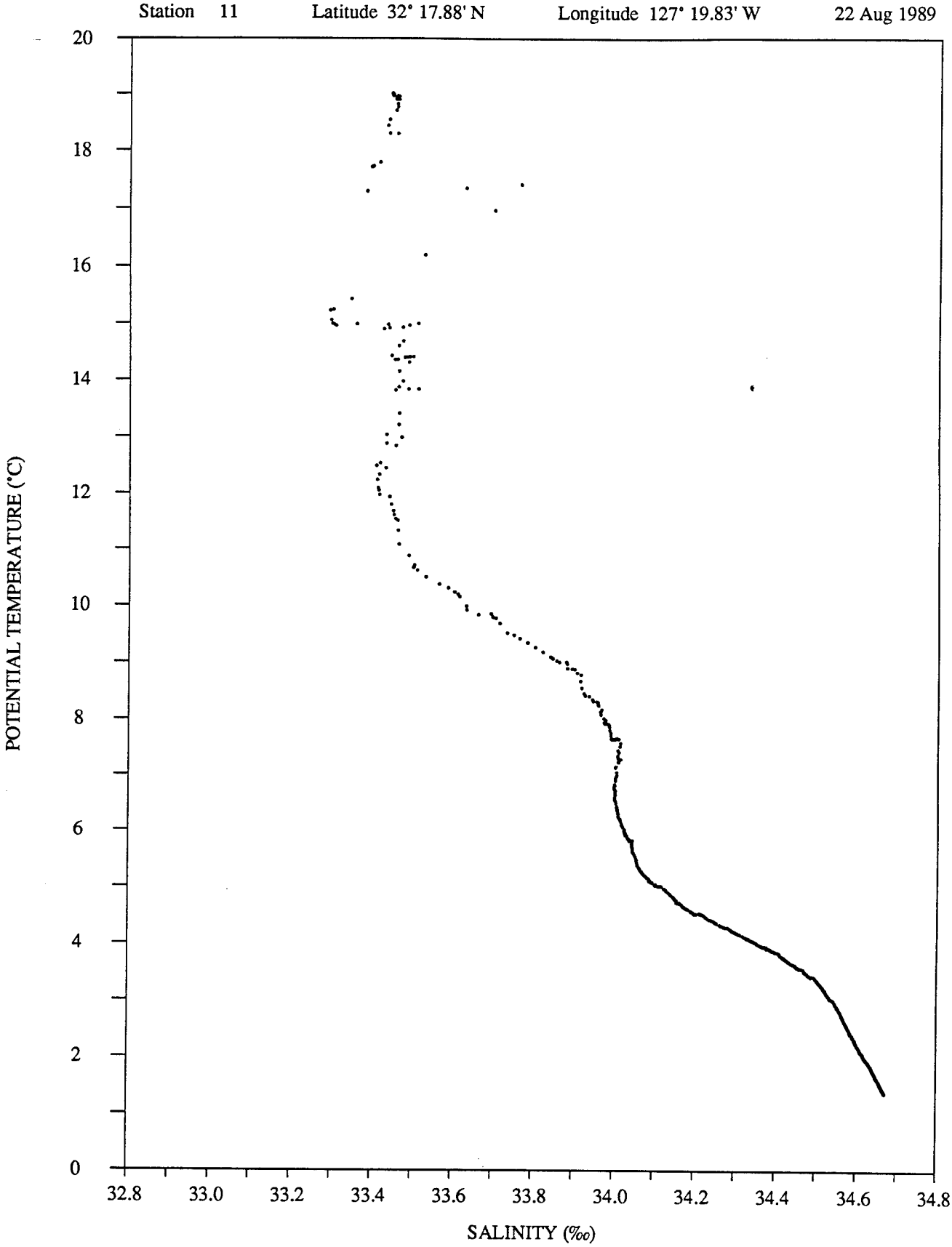
S
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 9
Latitude 32° 13.89' N
Longitude 127° 9.83' W
22 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)

Station 11
Latitude 32° 17.88' N
Longitude 127° 19.83' W
22 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
S
σθ
θ
0.
5.
10.
15.
20.
S
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 11
Latitude 32° 17.88' N
Longitude 127° 19.83' W
22 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
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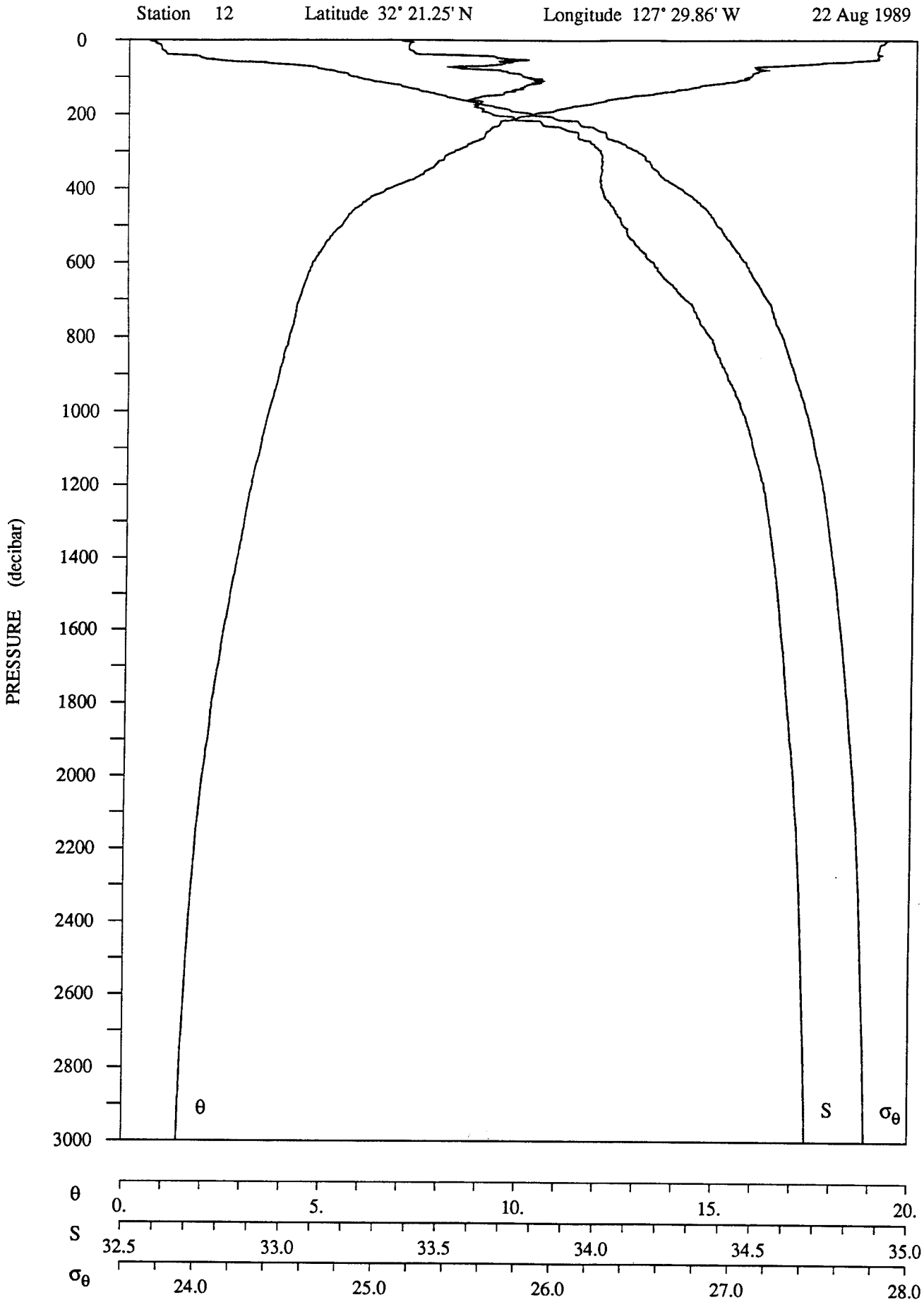
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 12
Latitude 32° 21.25' N
Longitude 127° 29.86' W
22 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
S
σθ
θ
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20.
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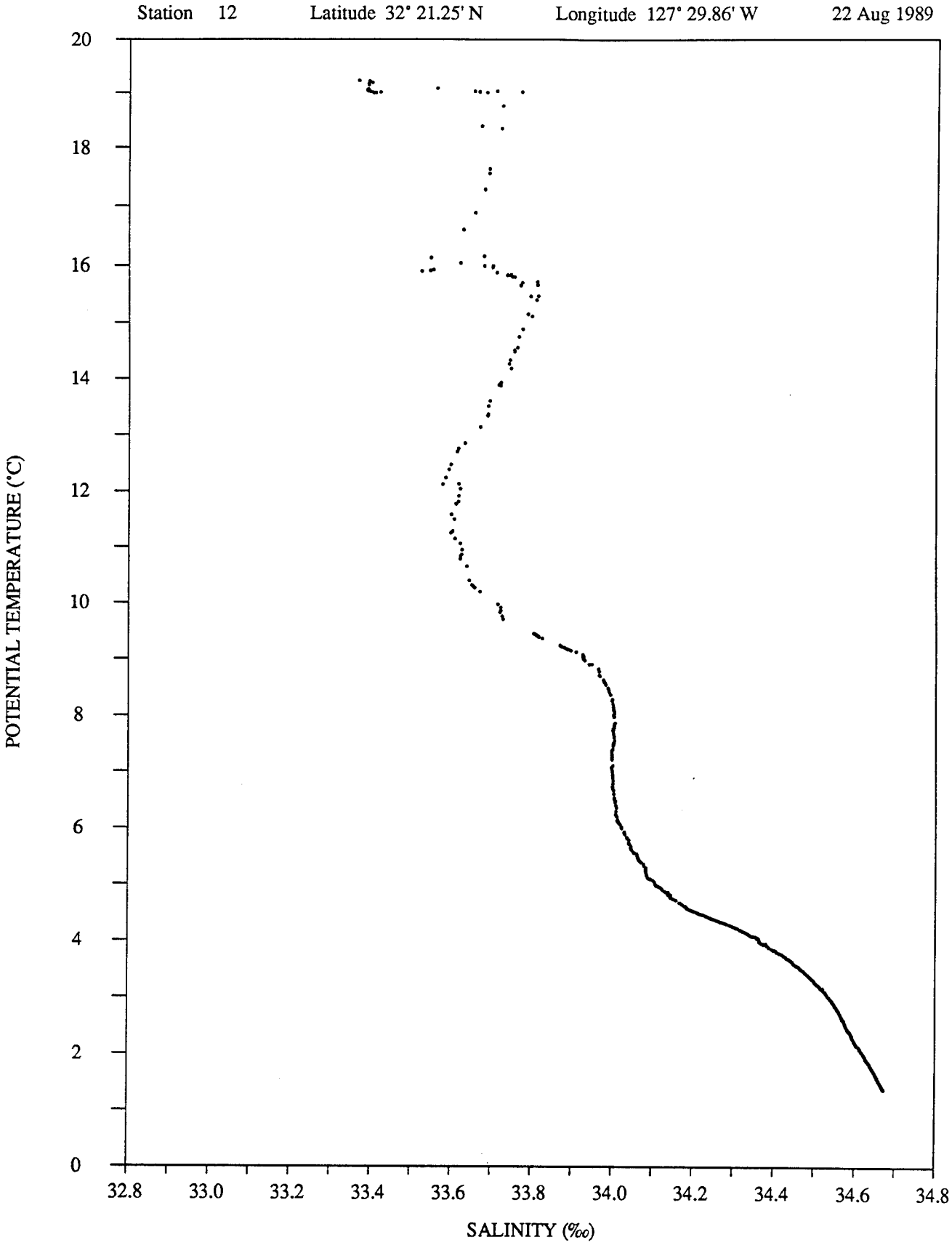
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 12
Latitude 32° 21.25' N
Longitude 127° 29.86' W
22 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
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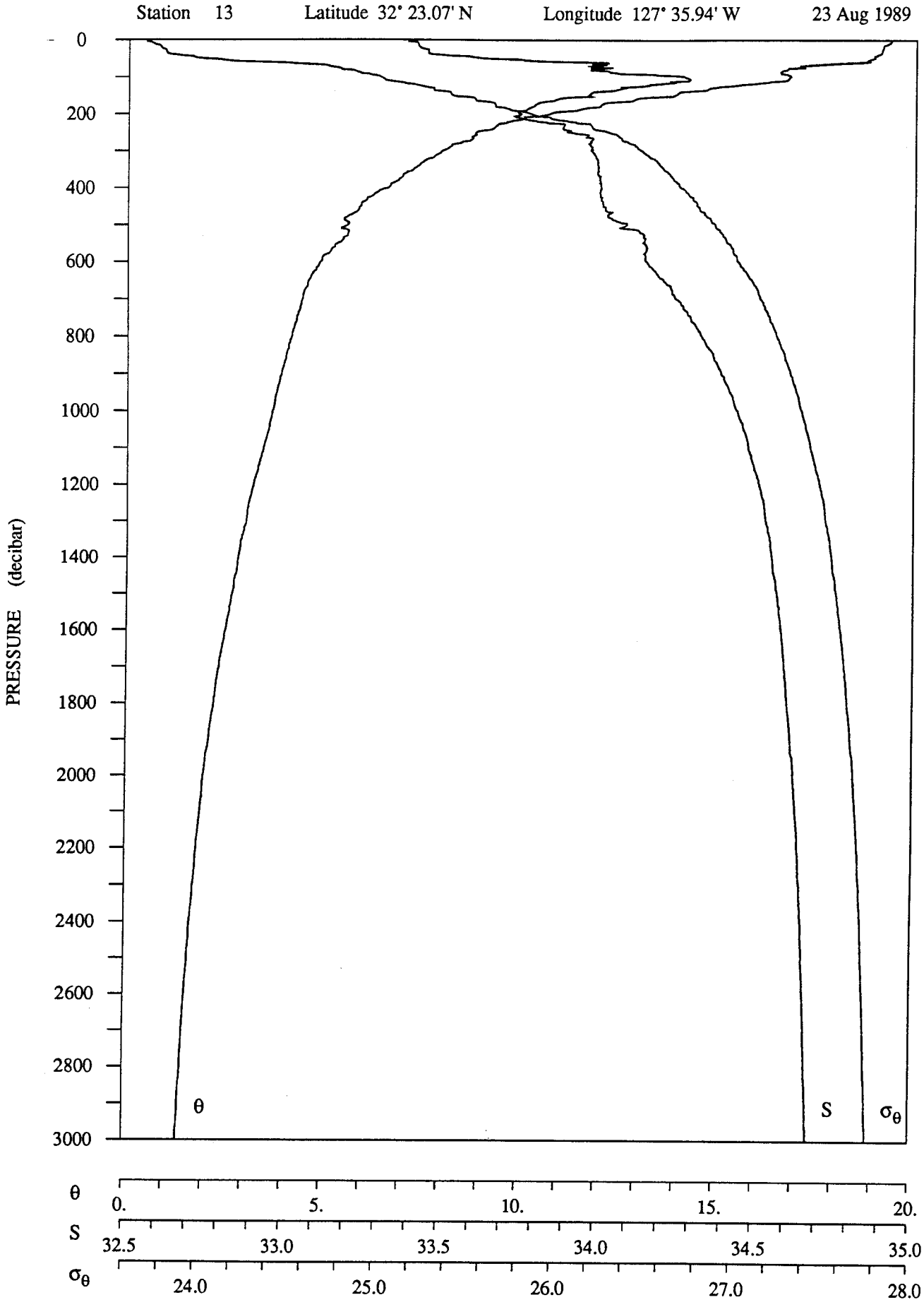
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 13
Latitude 32° 23.07' N
Longitude 127° 35.94' W
23 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
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σθ
θ
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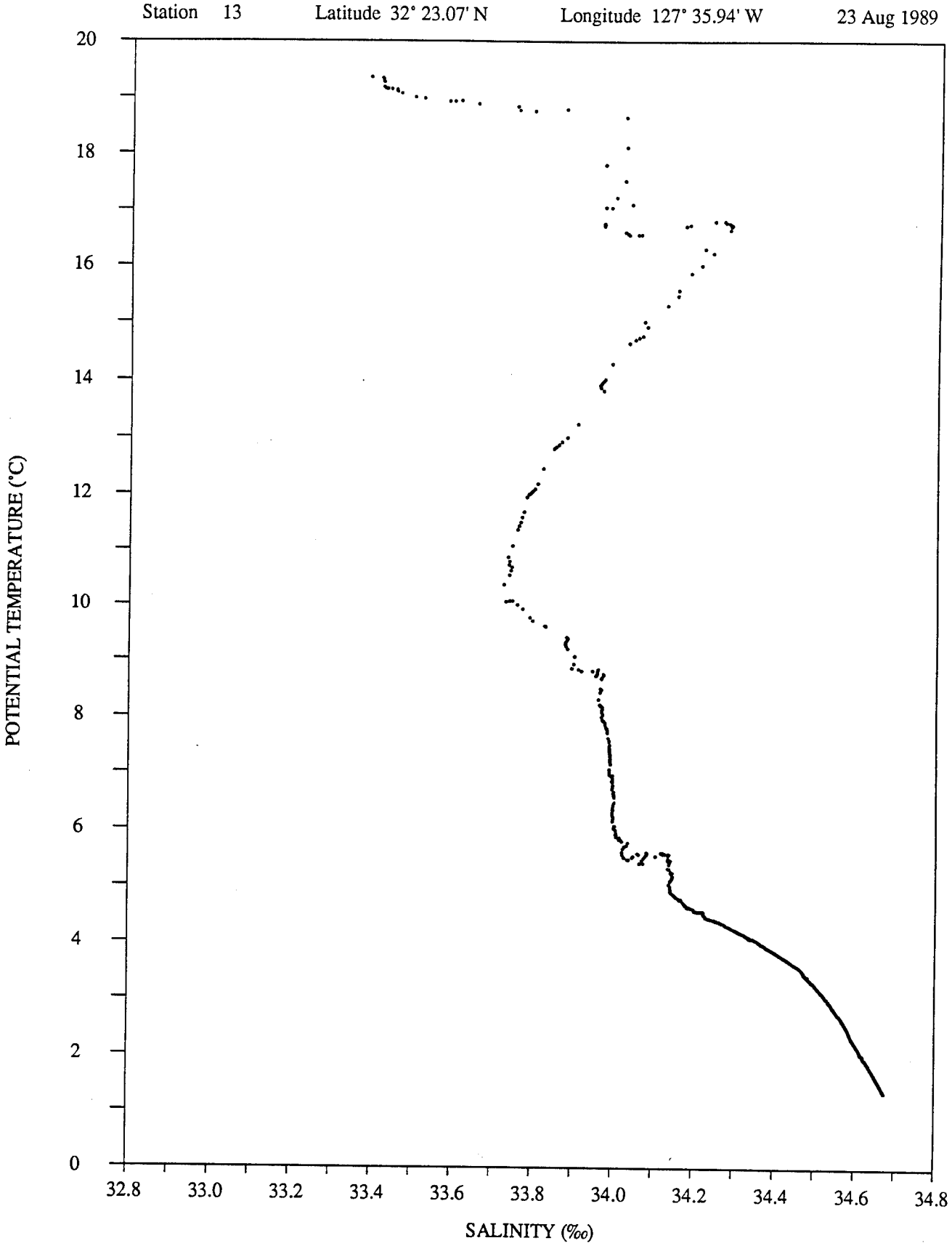
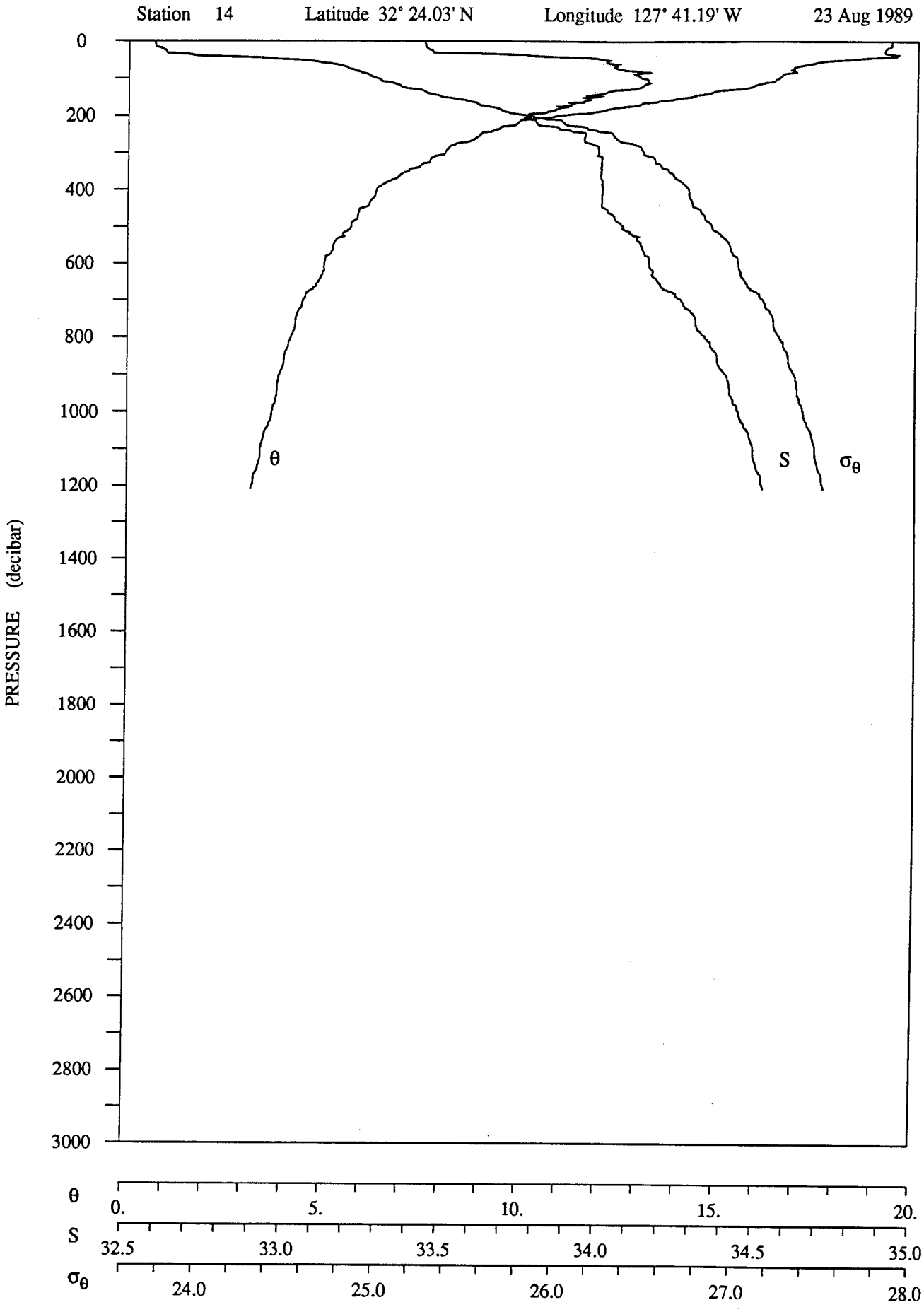
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 13
Latitude 32° 23.07' N
Longitude 127° 35.94' W
23 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 14
Latitude 32° 24.03' N
Longitude 127° 41.19' W
23 Aug 1989
PRESSURE (decibar)
0
200
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1000
1200
1400
1600
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2000
2200
2400
2600
2800
3000
θ
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σθ
θ
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5.
10.
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32.5
33.0
33.5
34.0
34.5
35.0
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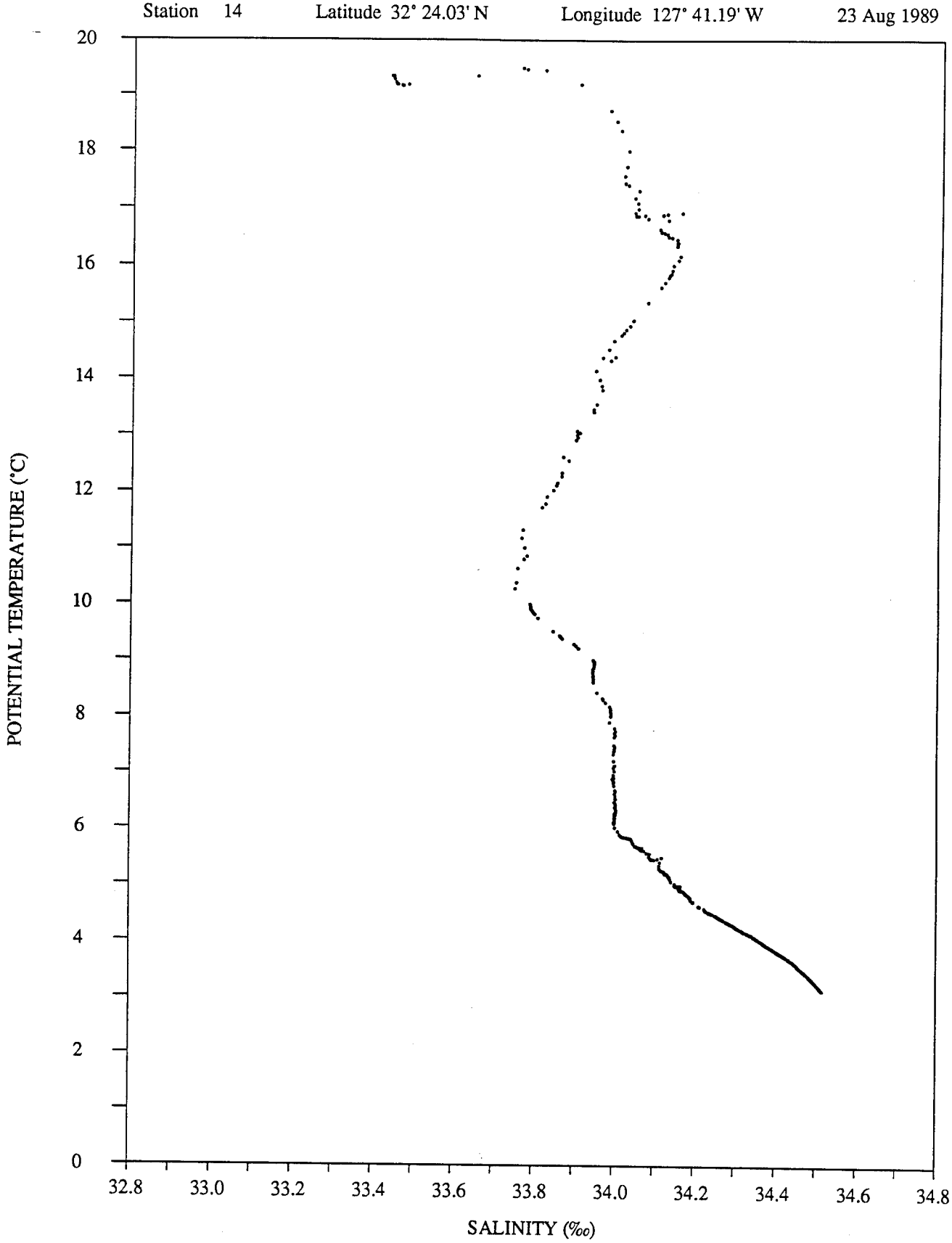
24.0
25.0
26.0
27.0
28.0


Station 14
Latitude 32° 24.03' N
Longitude 127° 41.19' W
23 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
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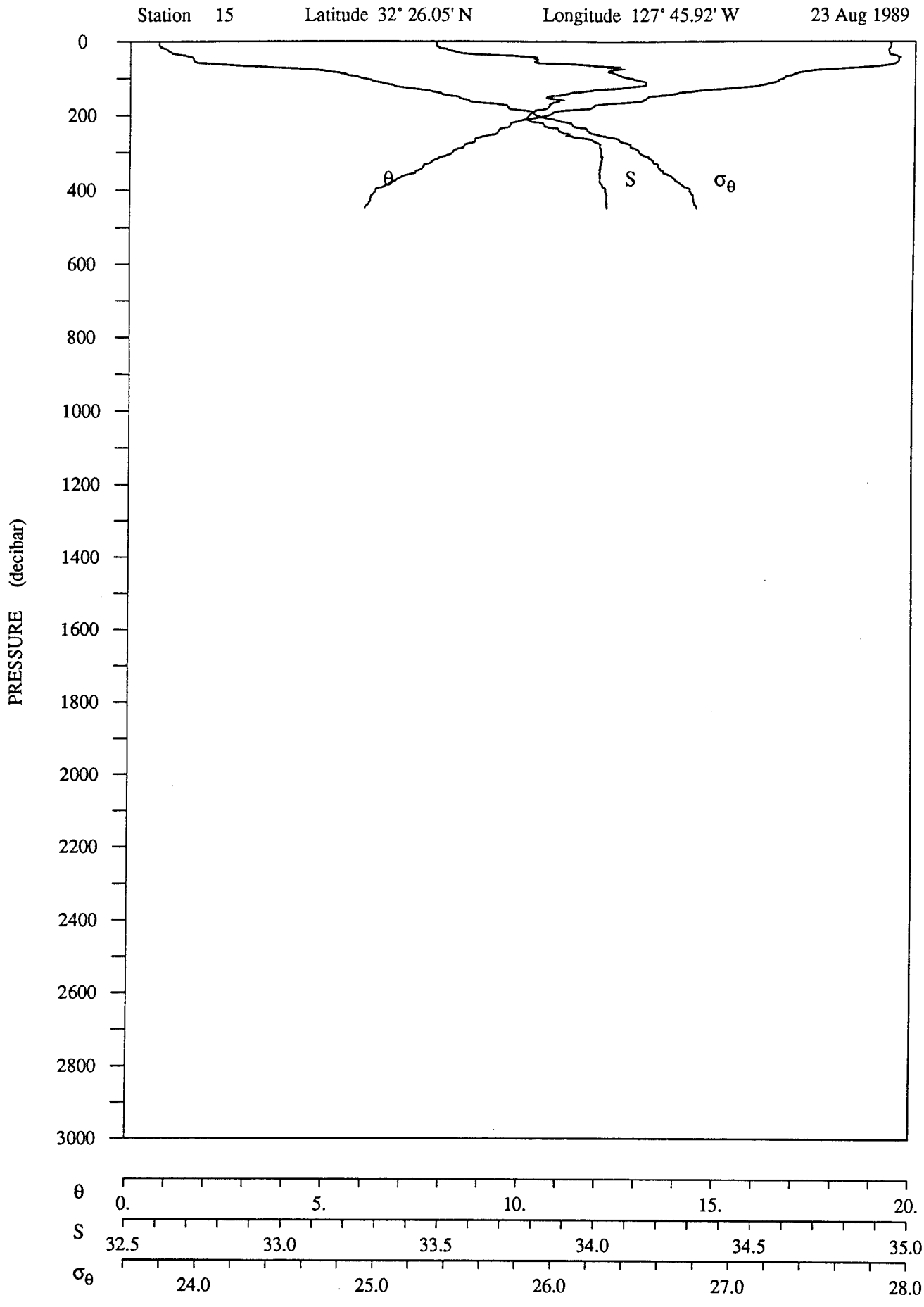
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 15
Latitude 32° 26.05' N
Longitude 127° 45.92' W
23 Aug 1989
PRESSURE (decibar)
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800
1000
1200
1400
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2000
2200
2400
2600
2800
3000
θ
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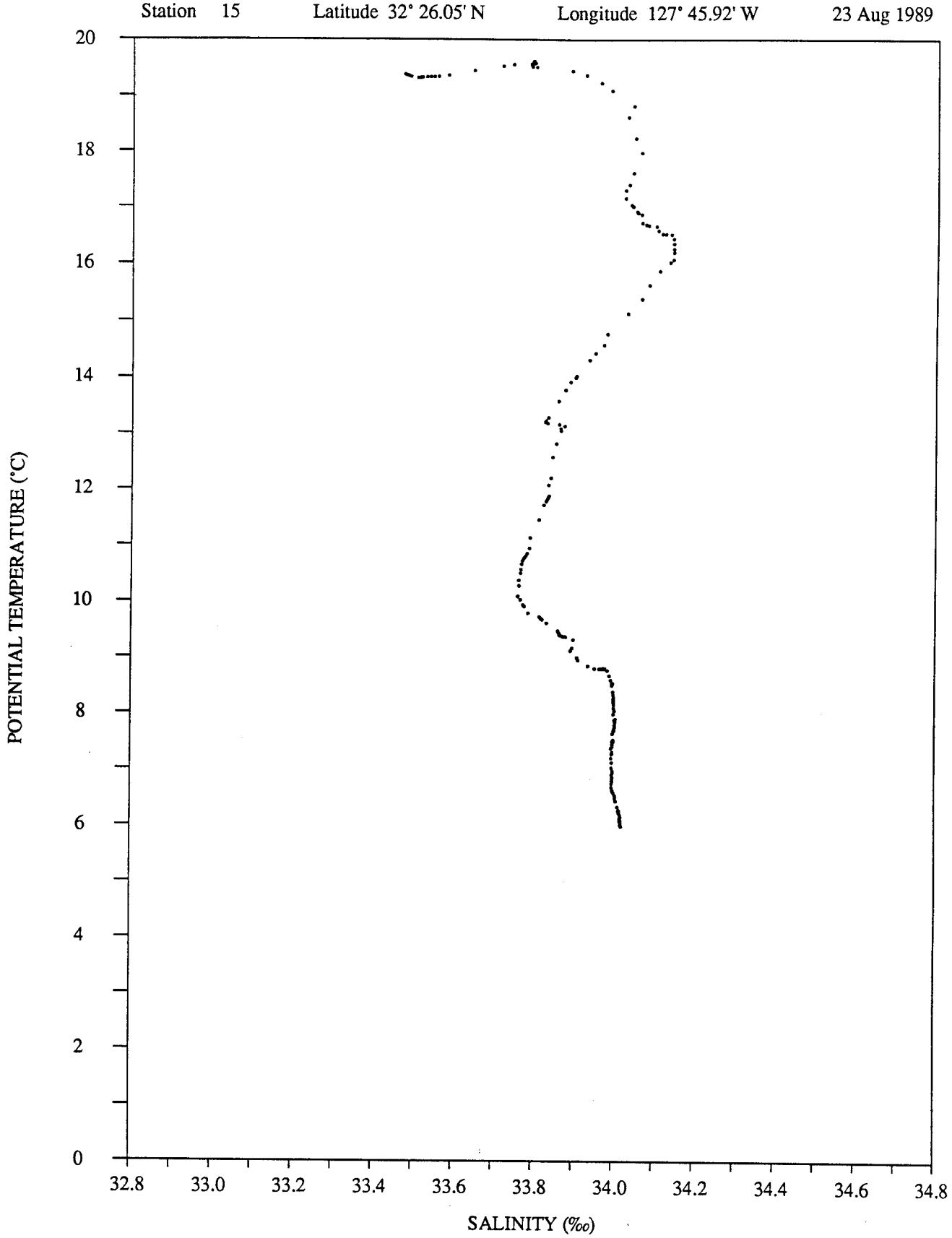
θ 0. 5. 10. 15. 20.
S 32.5 33.0 33.5 34.0 34.5 35.0
σθ 24.0 25.0 26.0 27.0 28.0


Station 15
Latitude 32° 26.05' N
Longitude 127° 45.92' W
23 Aug 1989
POTENTIAL TEMPERATURE (°C)
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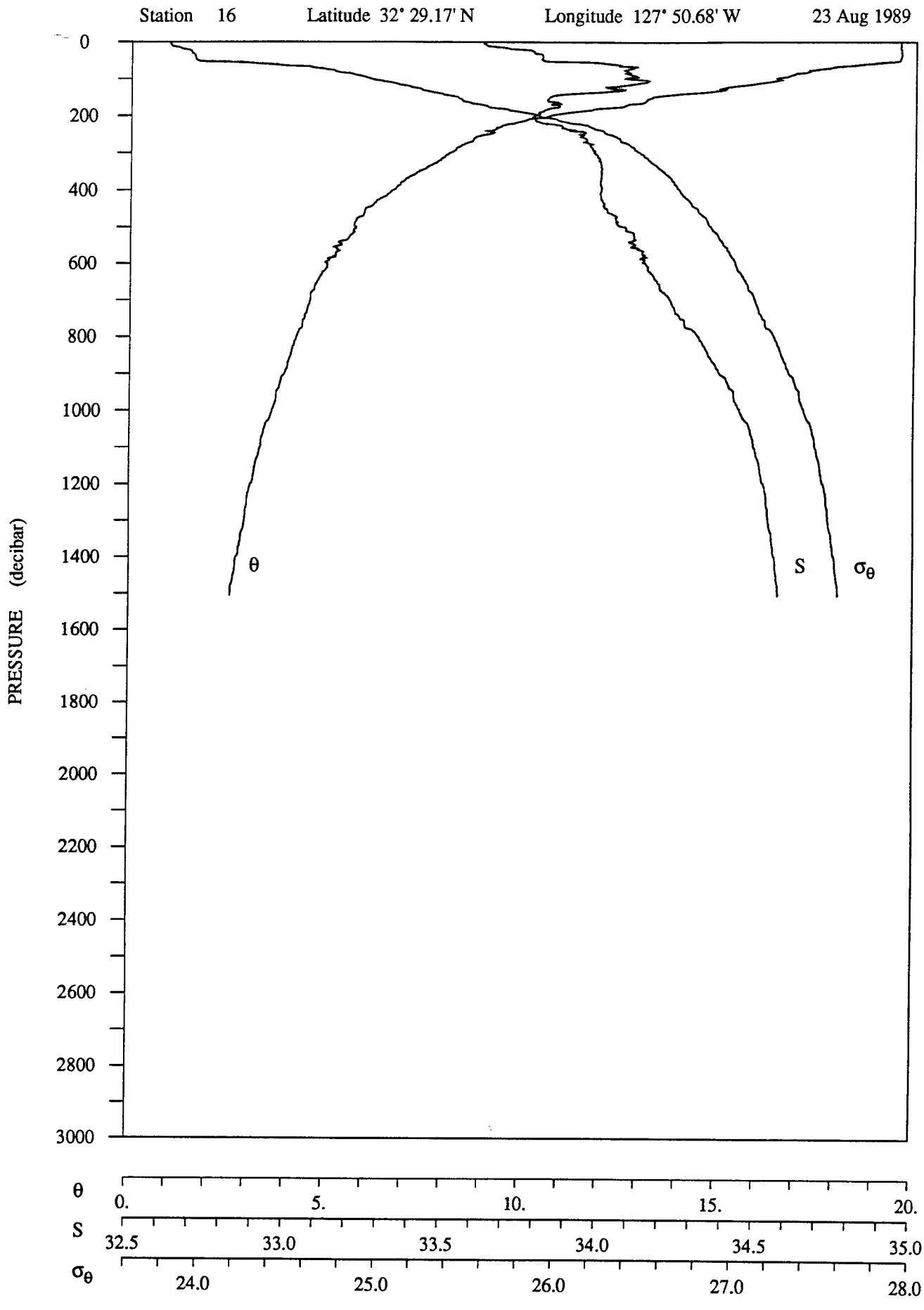
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 16
Latitude 32° 29.17' N
Longitude 127° 50.68' W
23 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
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2400
2600
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33.5
34.0
34.5
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24.0
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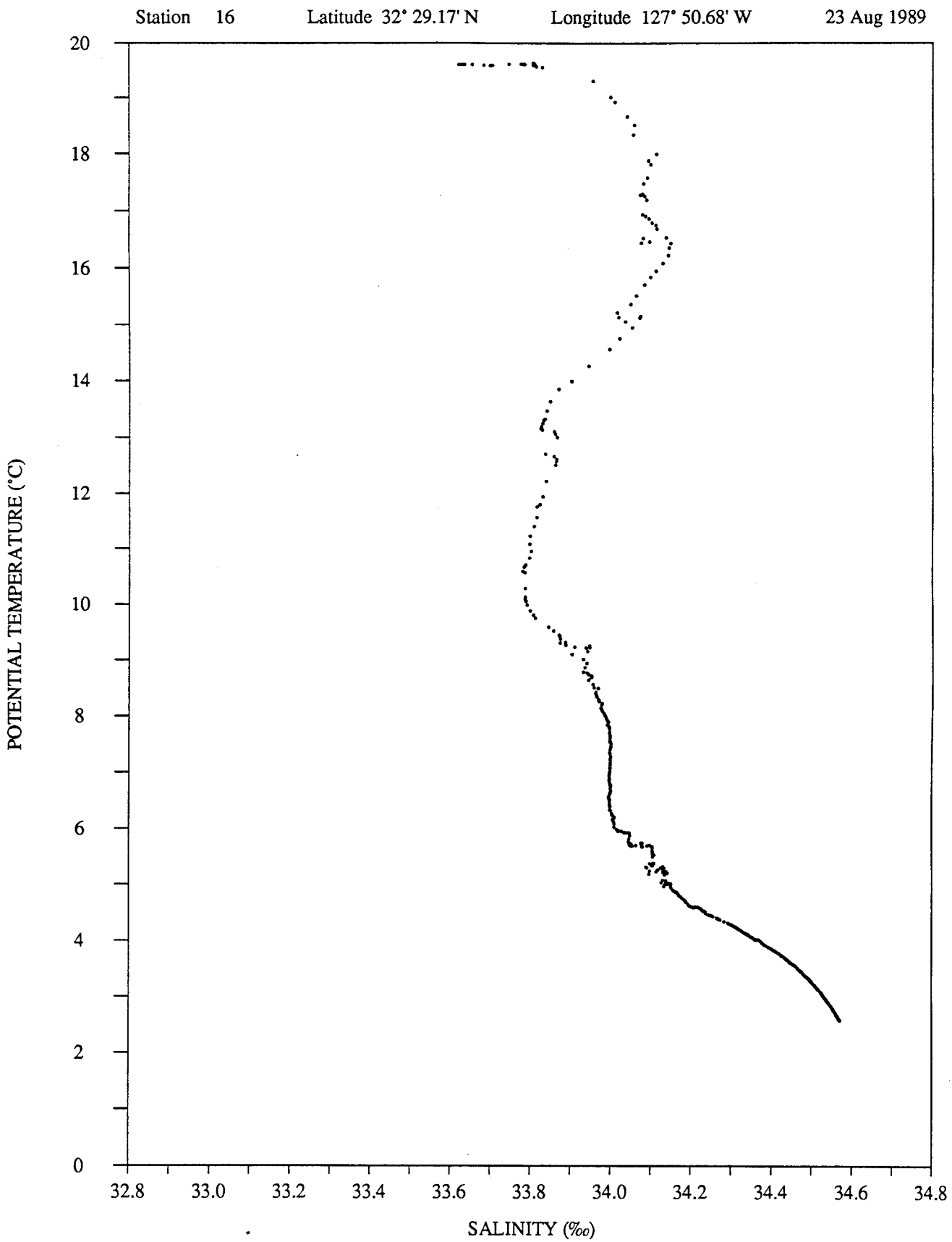
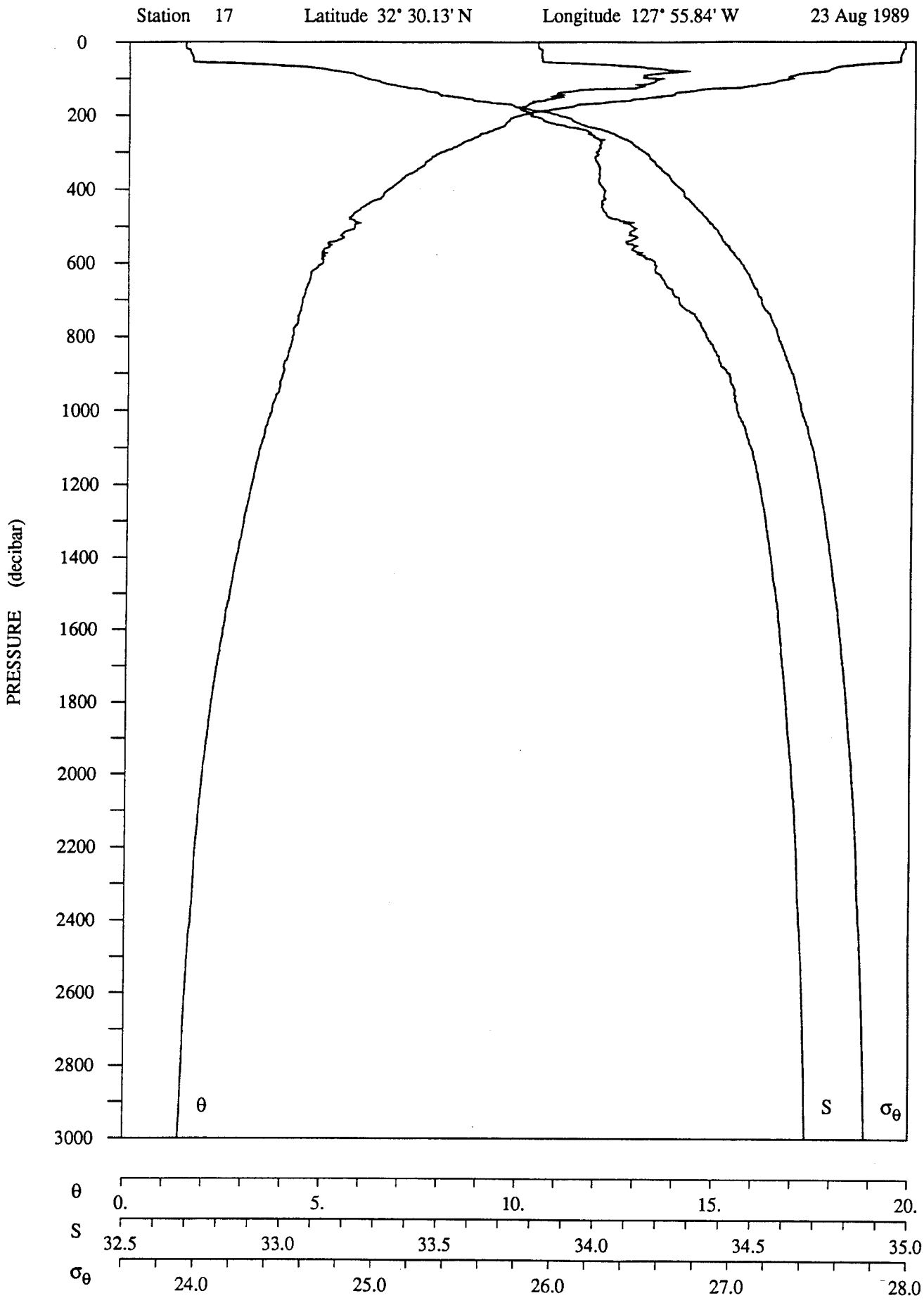
27.0
28.0


Station 16
Latitude 32° 29.17' N
Longitude 127° 50.68' W
23 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 17
Latitude 32° 30.13' N
Longitude 127° 55.84' W
23 Aug 1989
PRESSURE (decibar)
0
200
400
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800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
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θ
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35.0
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24.0
25.0
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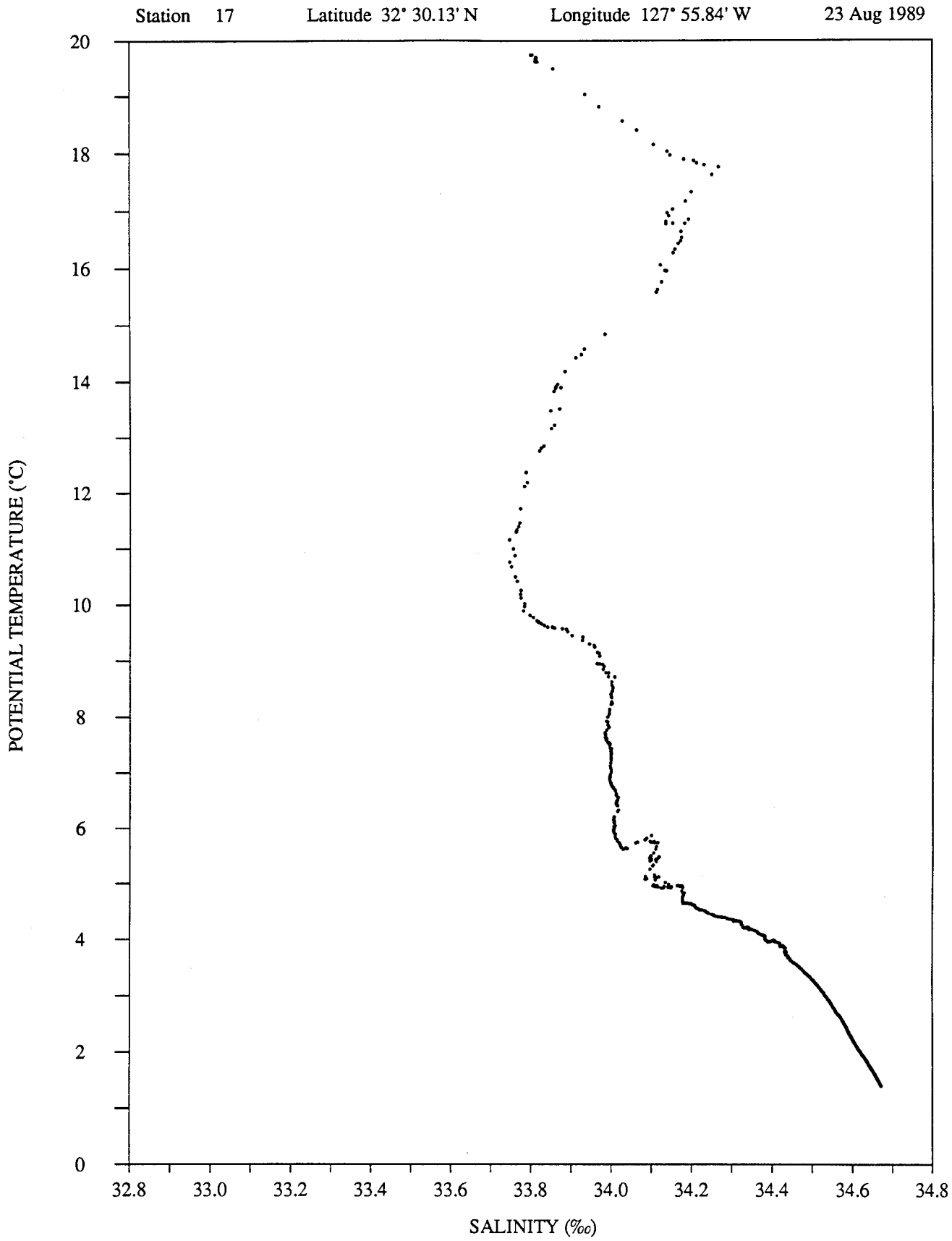
27.0
28.0


Station 17
Latitude 32° 30.13' N
Longitude 127° 55.84' W
23 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
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12
10
8
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4
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0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
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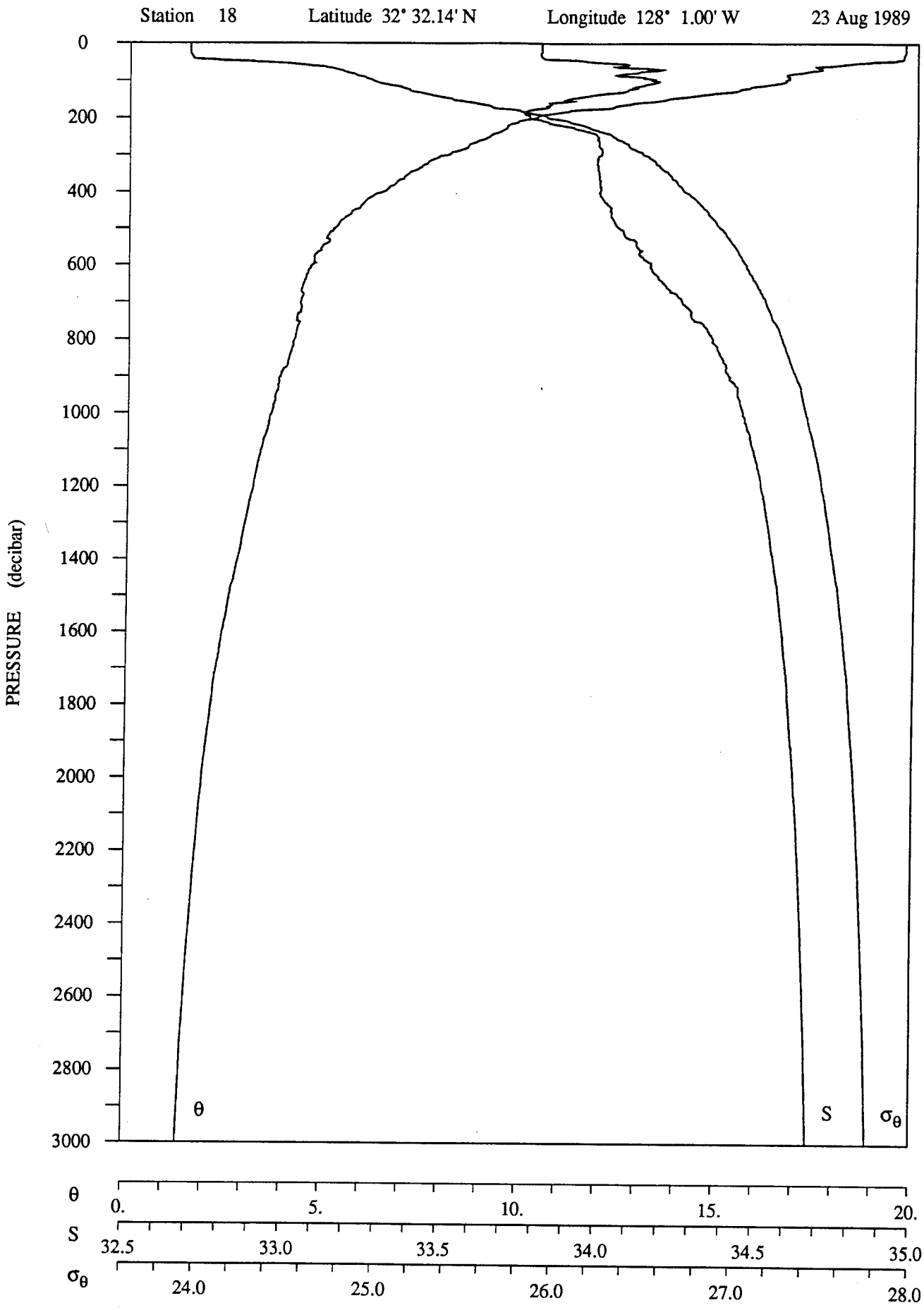
34.8
SALINITY (‰)


Station 18
Latitude 32° 32.14' N
Longitude 128° 1.00' W
23 Aug 1989
PRESSURE (decibar)
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1200
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2600
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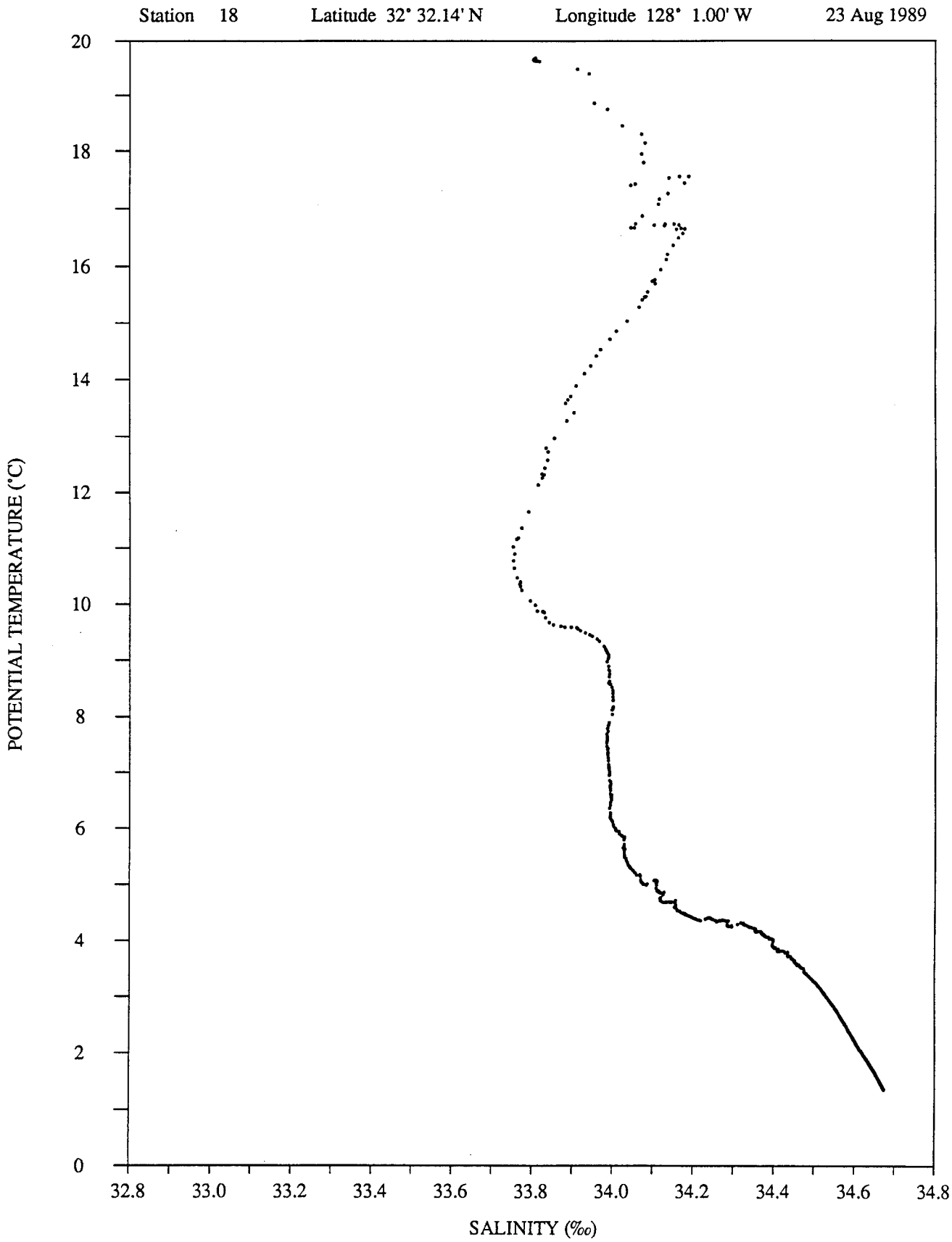
Station 18
Latitude 32° 32.14' N
Longitude 128° 1.00' W
23 Aug 1989
POTENTIAL TEMPERATURE (°C)
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10
8
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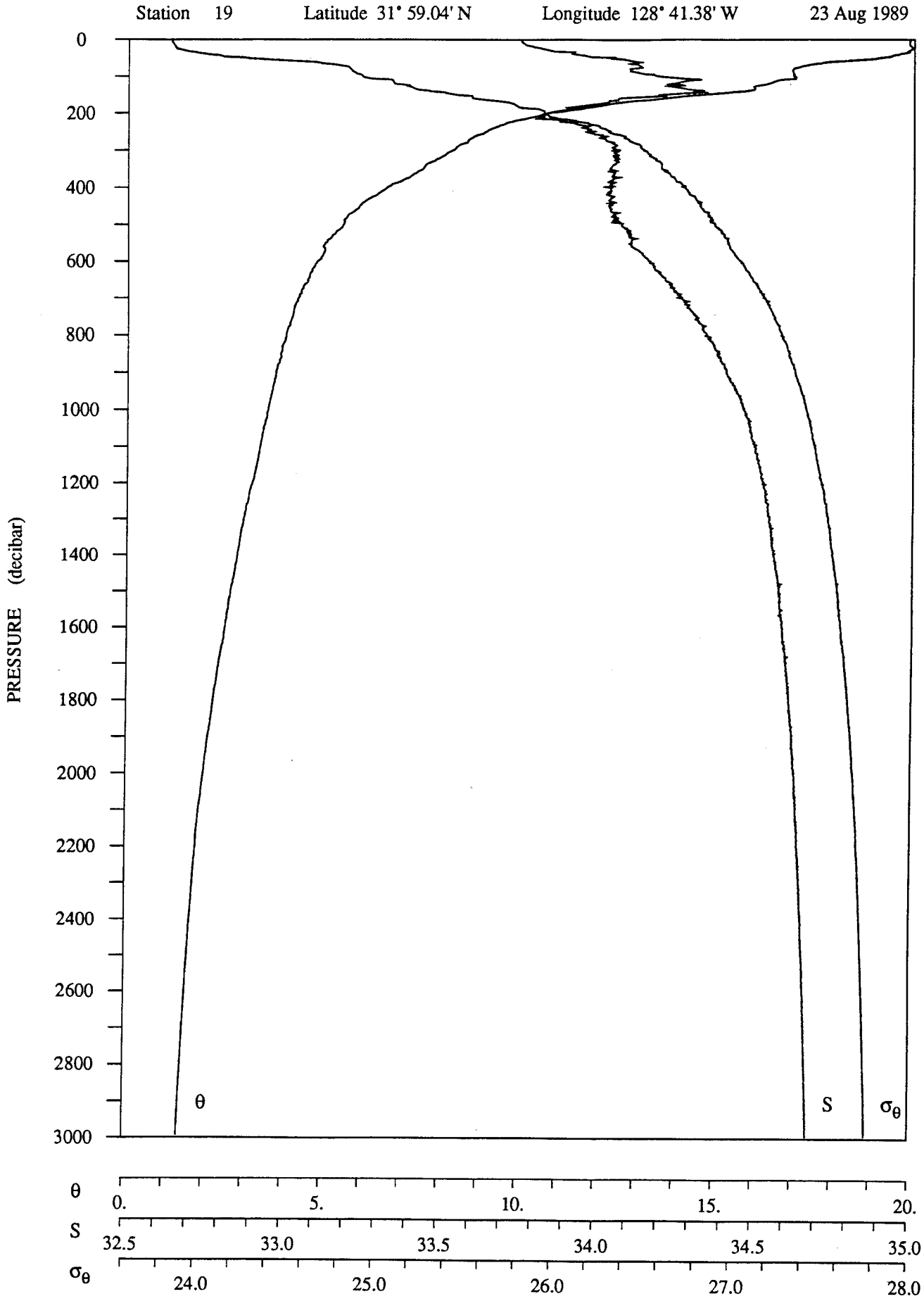
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 19
Latitude 31° 59.04' N
Longitude 128° 41.38' W
23 Aug 1989
PRESSURE (decibar)
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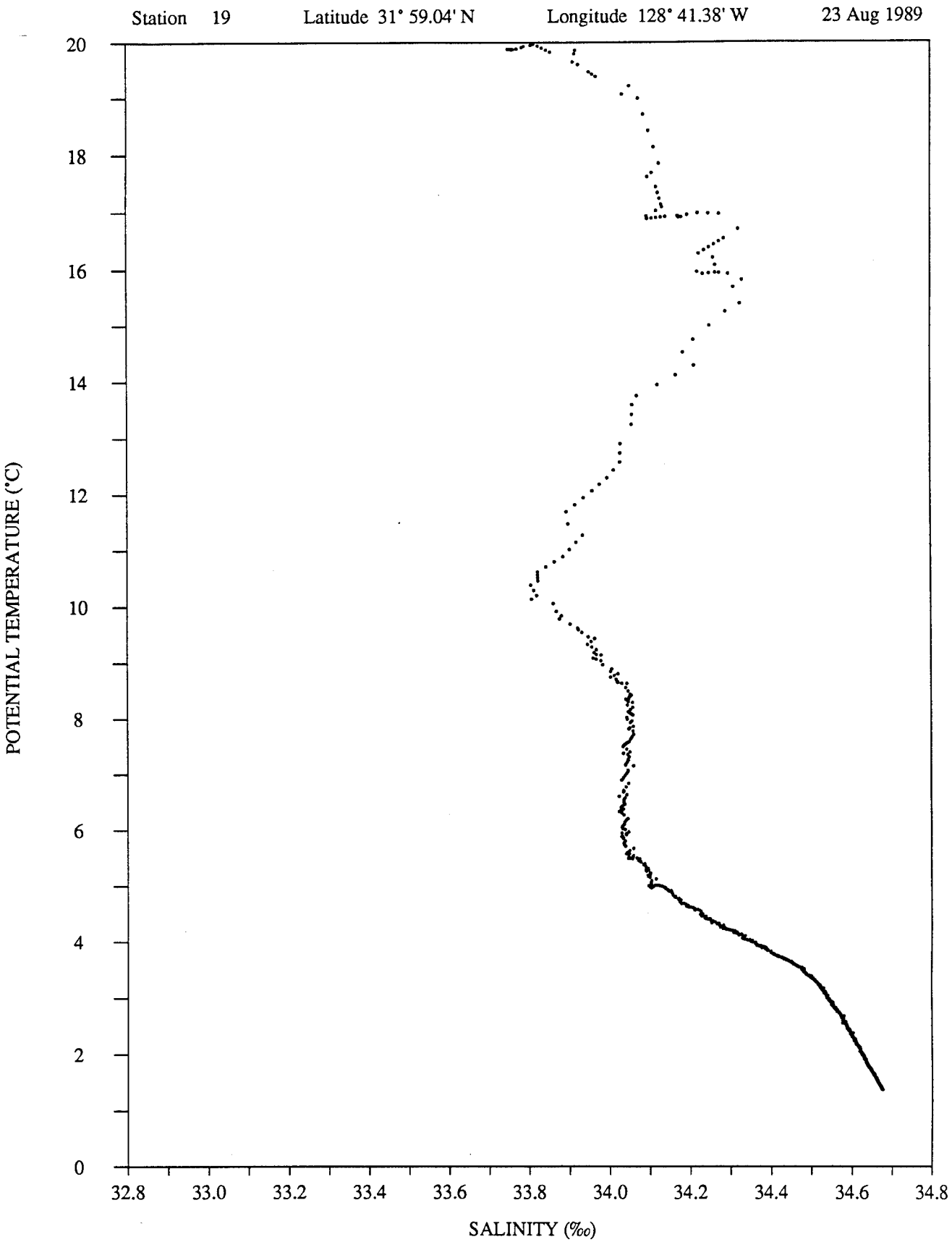
Station 19
Latitude 31° 59.04' N
Longitude 128° 41.38' W
23 Aug 1989
POTENTIAL TEMPERATURE (°C)
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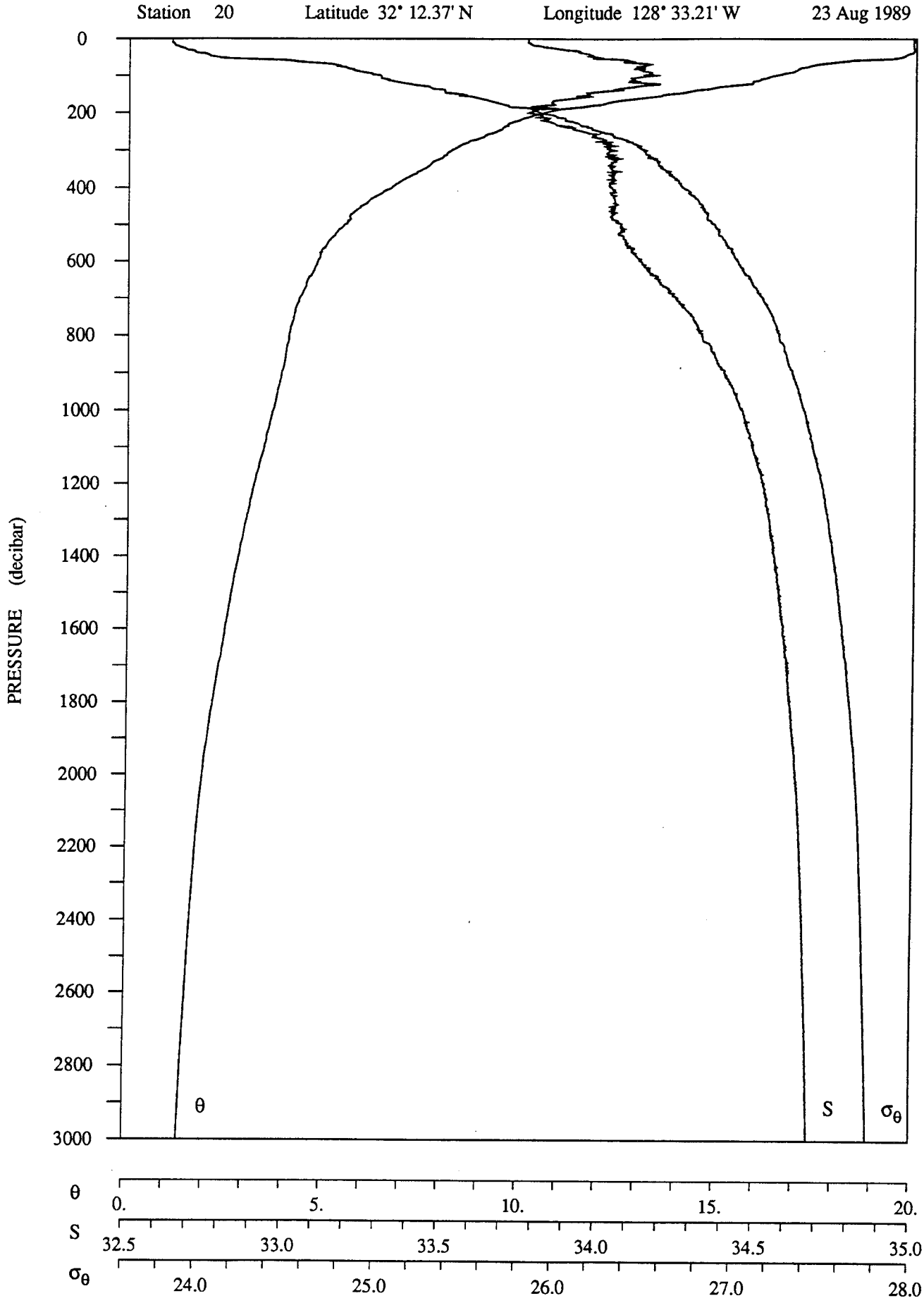
34.8
SALINITY (‰)


Station 20
Latitude 32° 12.37' N
Longitude 128° 33.21' W
23 Aug 1989
PRESSURE (decibar)
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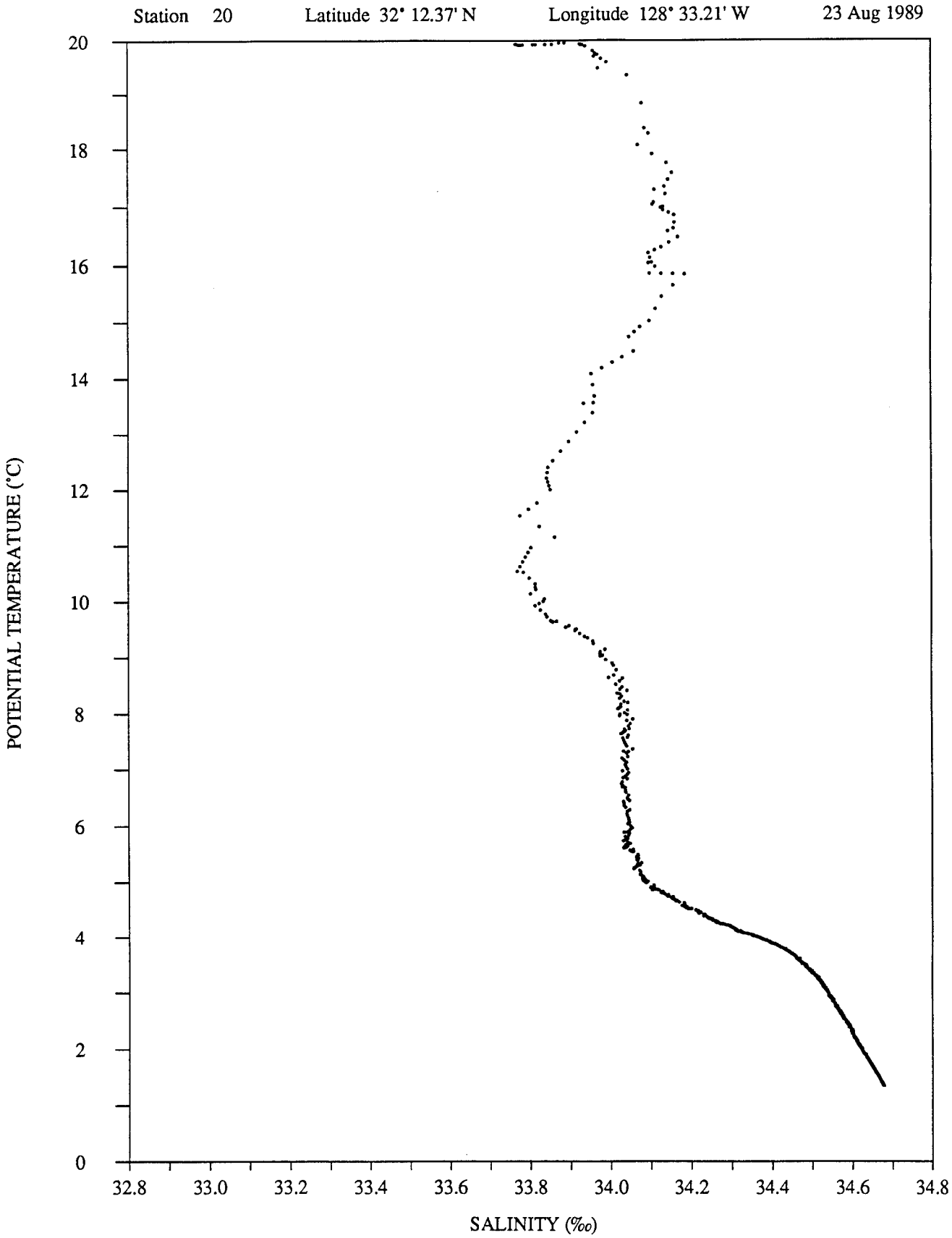
Station 20
Latitude 32° 12.37' N
Longitude 128° 33.21' W
23 Aug 1989
POTENTIAL TEMPERATURE (°C)
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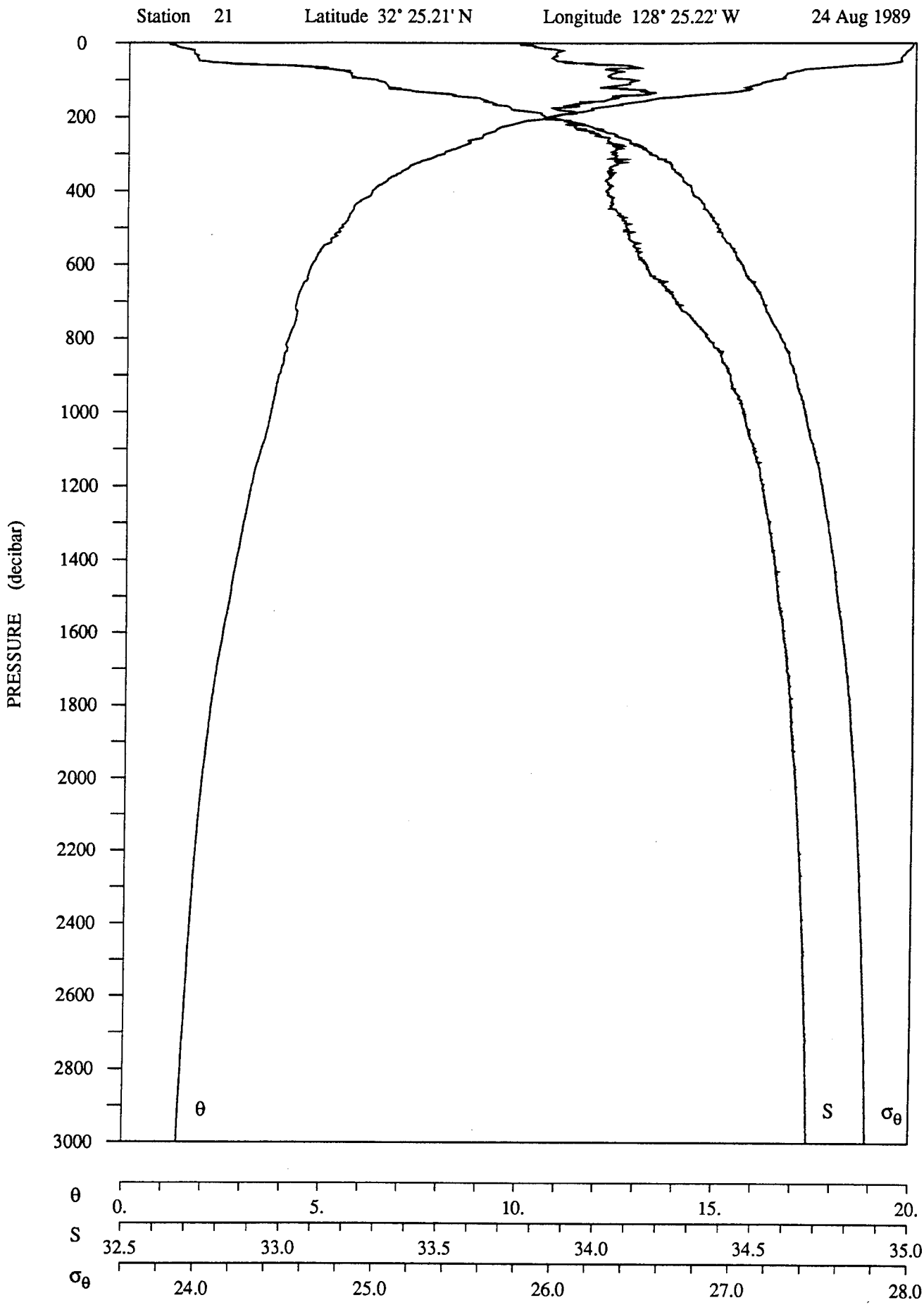
SALINITY (‰)


Station 21
Latitude 32° 25.21' N
Longitude 128° 25.22' W
24 Aug 1989
PRESSURE (decibar)
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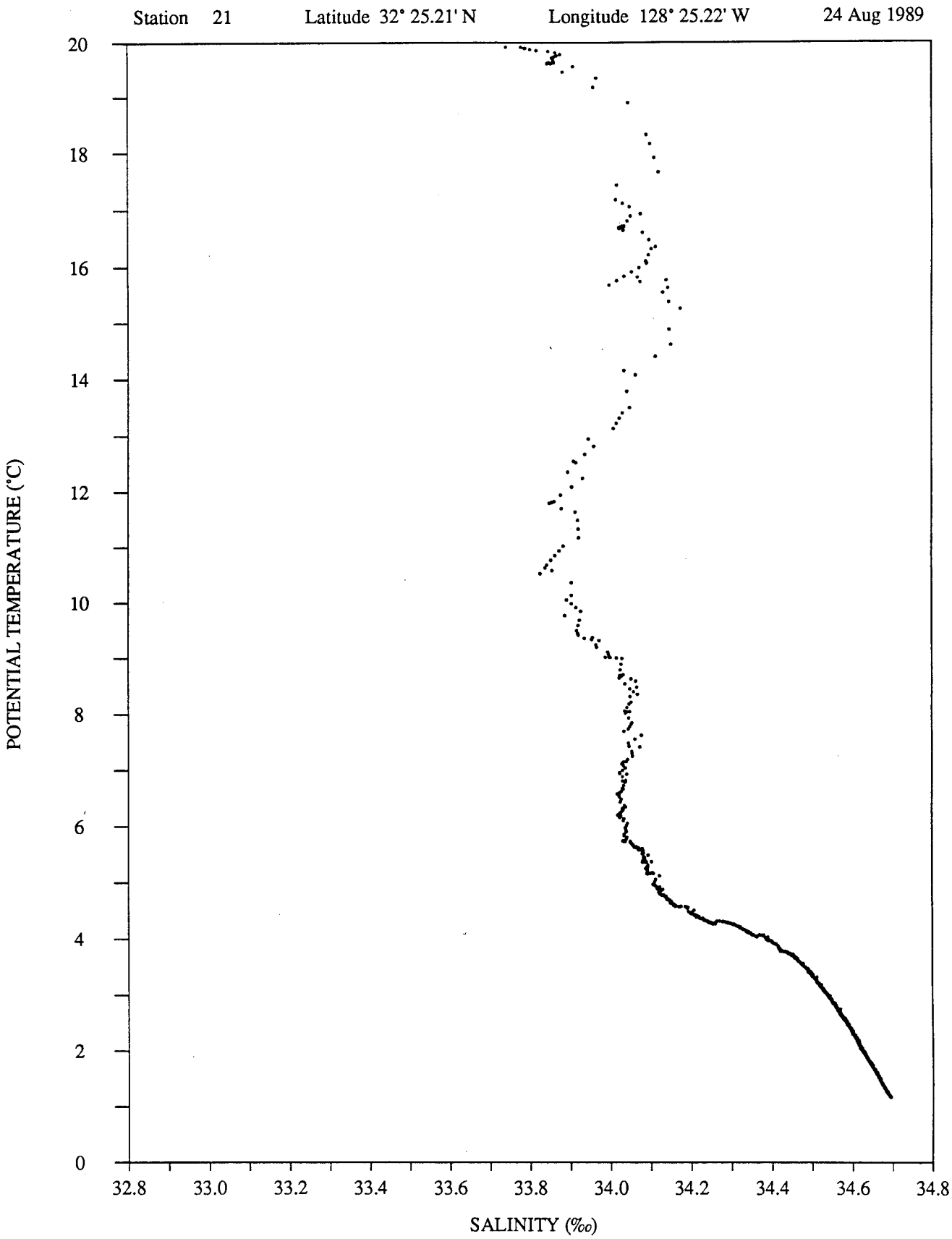
Station 21
Latitude 32° 25.21' N
Longitude 128° 25.22' W
24 Aug 1989
POTENTIAL TEMPERATURE (°C)
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34.8
SALINITY (‰)

Station 22
Latitude 32° 39.07' N
Longitude 128° 17.09' W
24 Aug 1989
PRESSURE (decibar)
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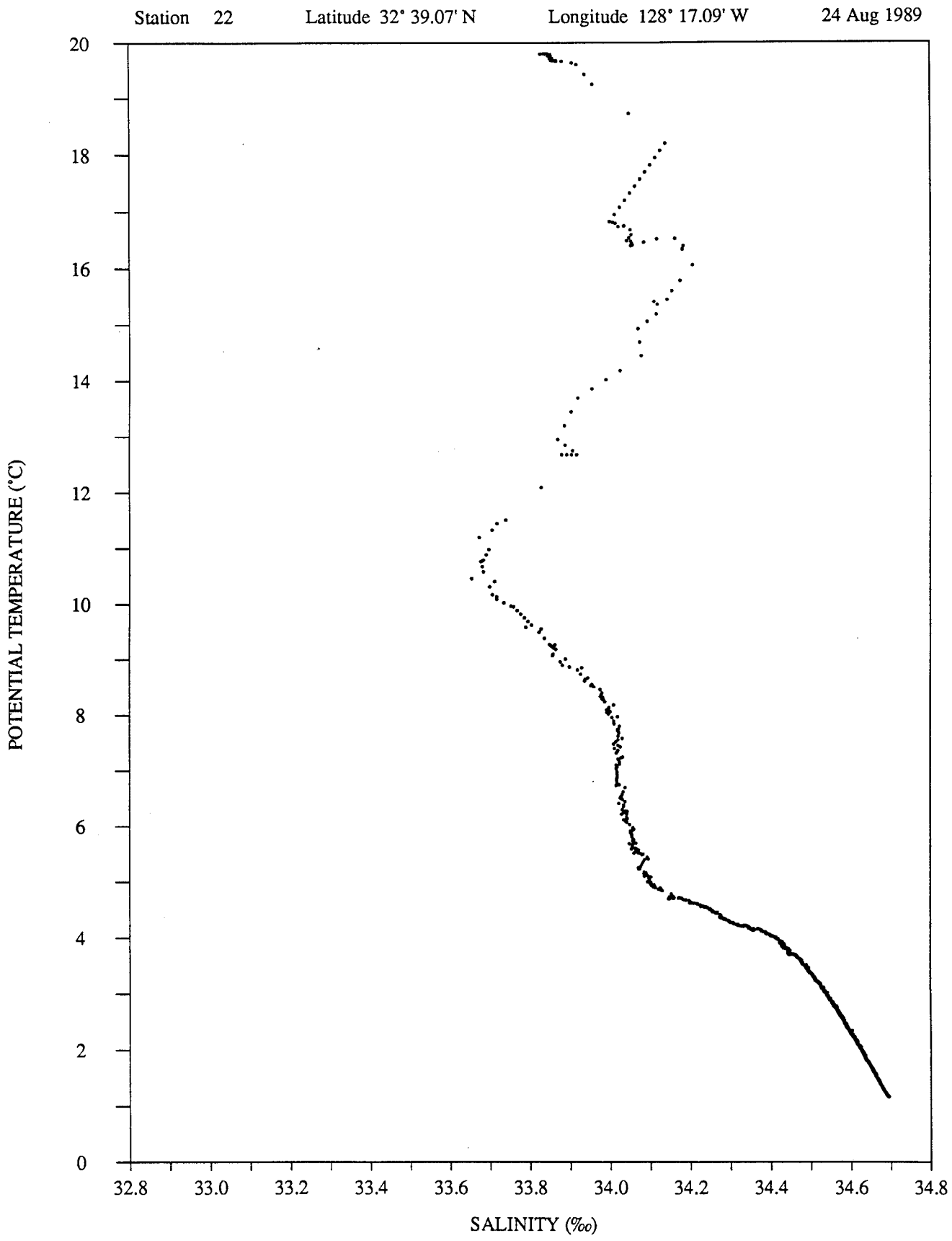
Station 22
Latitude 32° 39.07' N
Longitude 128° 17.09' W
24 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
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33.2
33.4
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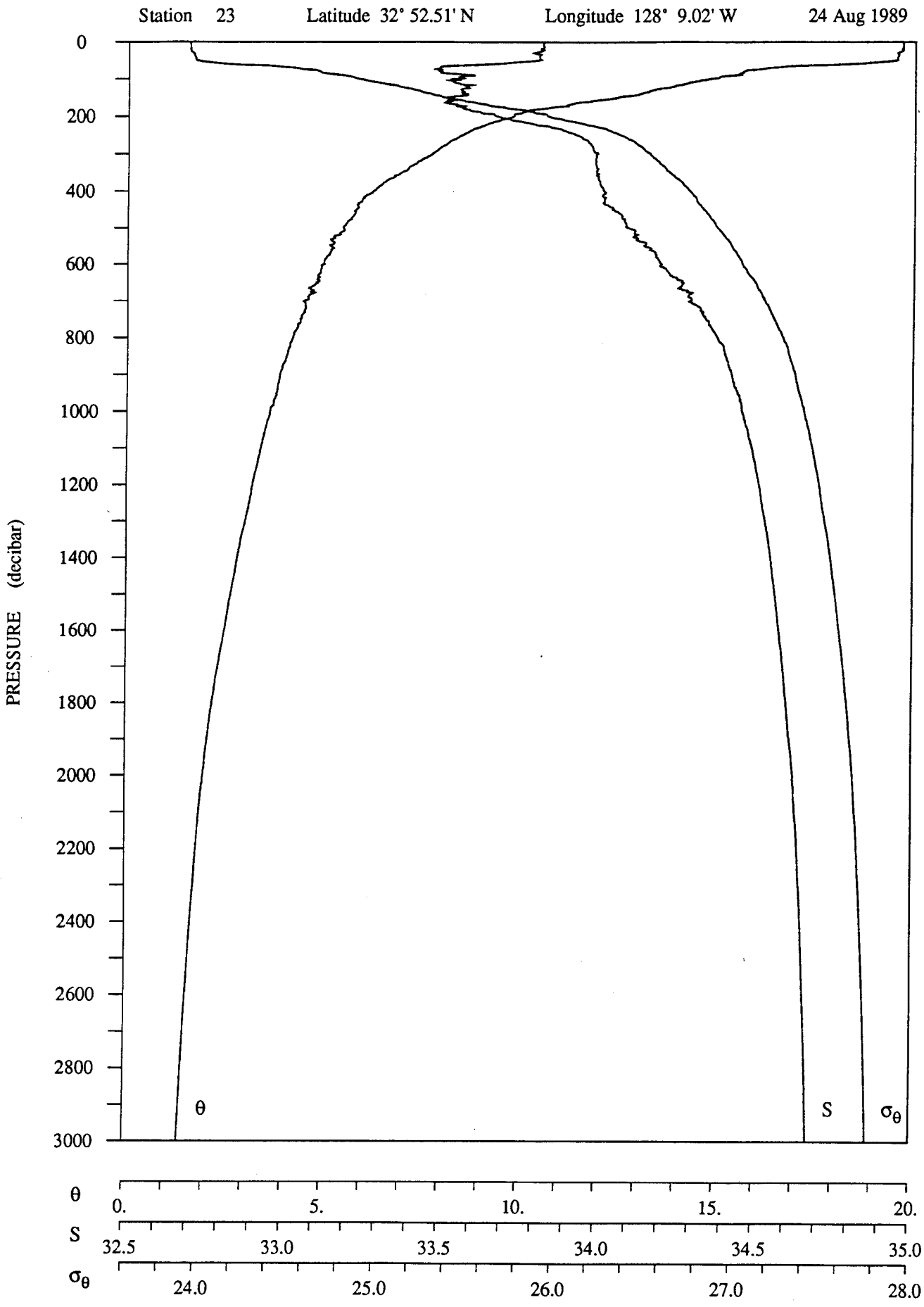
34.6
34.8
SALINITY (‰)


Station 23
Latitude 32° 52.51' N
Longitude 128° 9.02' W
24 Aug 1989
PRESSURE (decibar)
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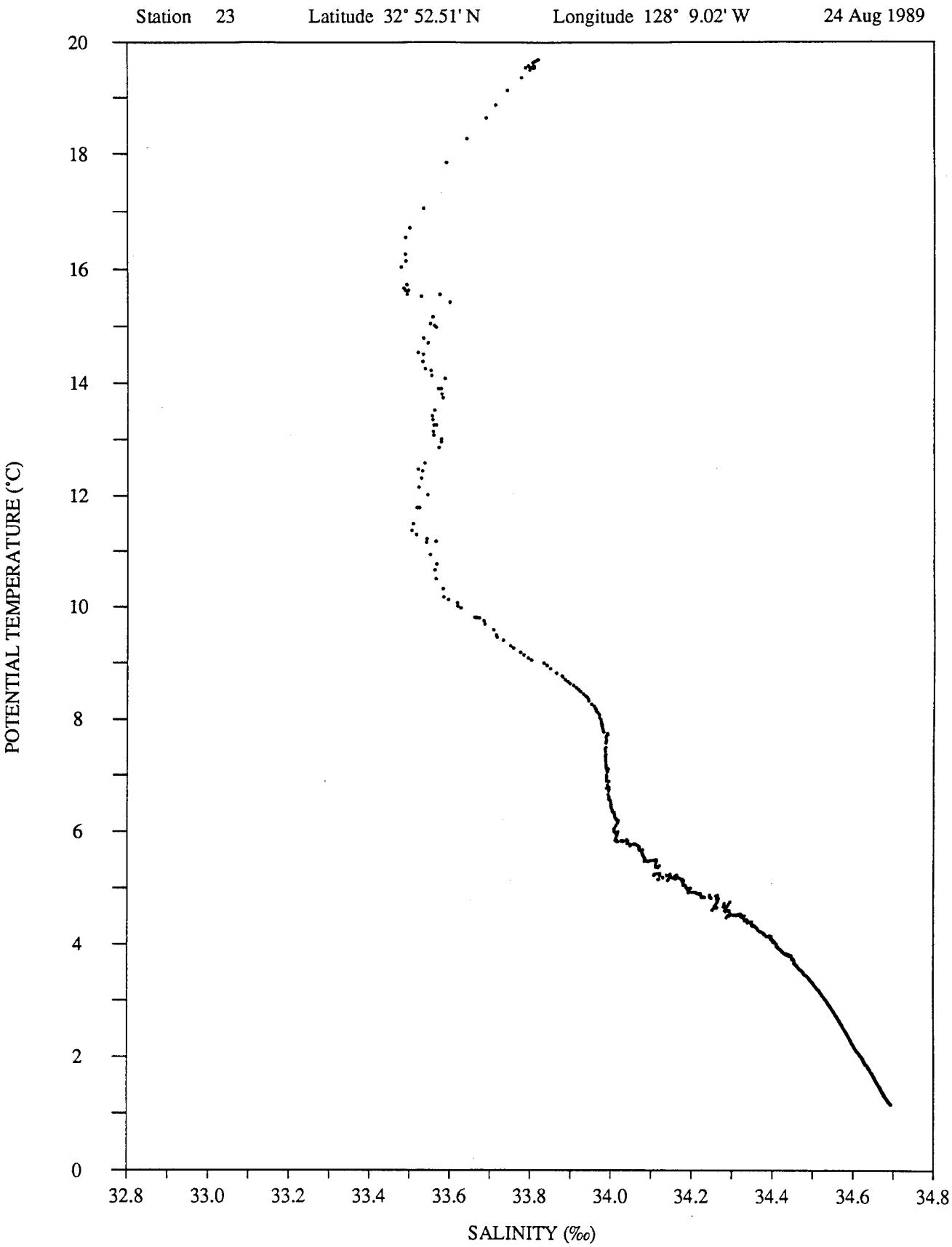
28.0


Station 23
Latitude 32° 52.51' N
Longitude 128° 9.02' W
24 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
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14
12
10
8
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32.8
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33.2
33.4
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33.8
34.0
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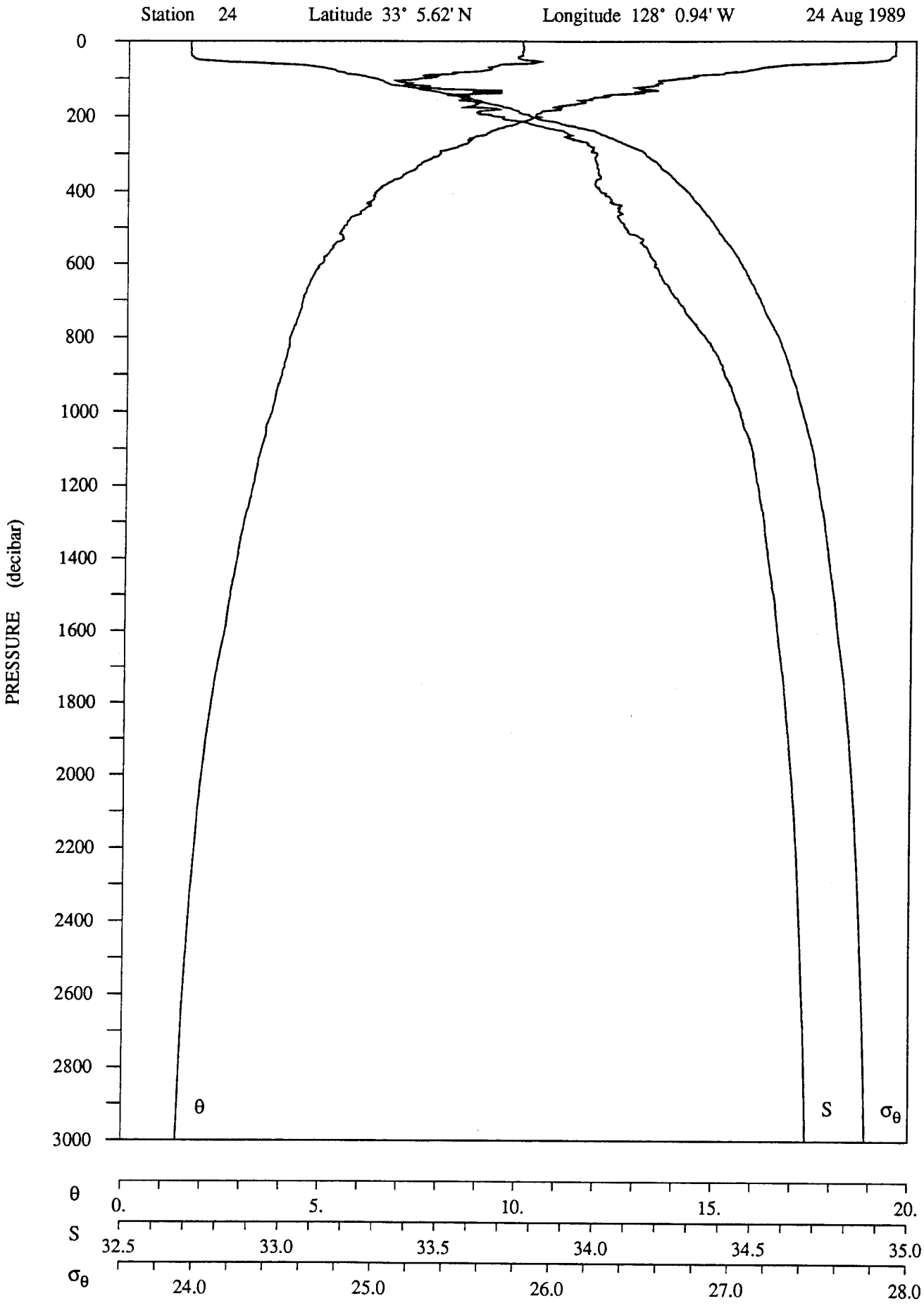
34.4
34.6
34.8
SALINITY (‰)


Station 24
Latitude 33° 5.62' N
Longitude 128° 0.94' W
24 Aug 1989
PRESSURE (decibar)
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200
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1000
1200
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2200
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2600
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27.0
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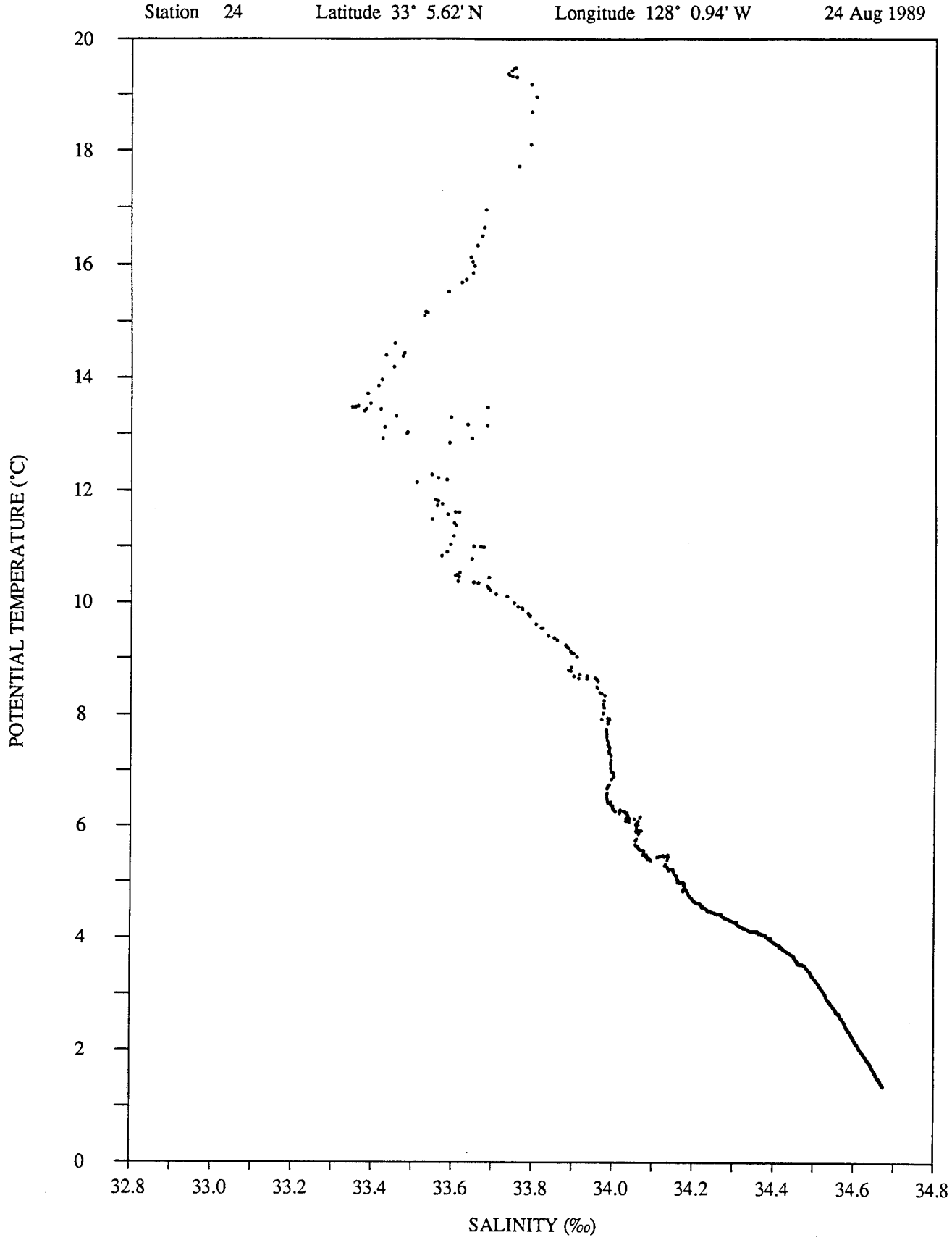
Station 24
Latitude 33° 5.62' N
Longitude 128° 0.94' W
24 Aug 1989
POTENTIAL TEMPERATURE (°C)
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12
10
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6
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32.8
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33.2
33.4
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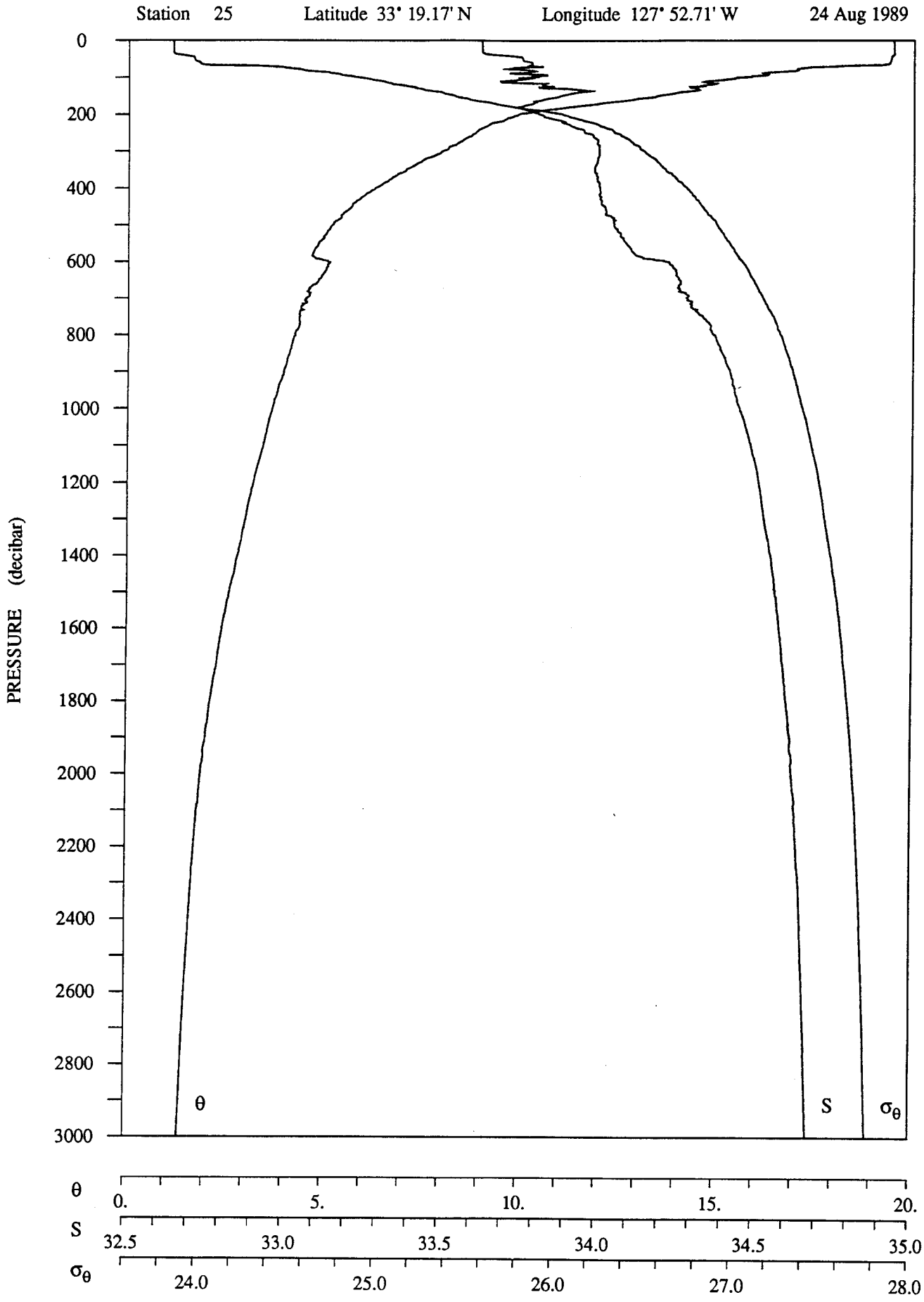
34.4
34.6
34.8
SALINITY (‰)


Station 25
Latitude 33° 19.17' N
Longitude 127° 52.71' W
24 Aug 1989
PRESSURE (decibar)
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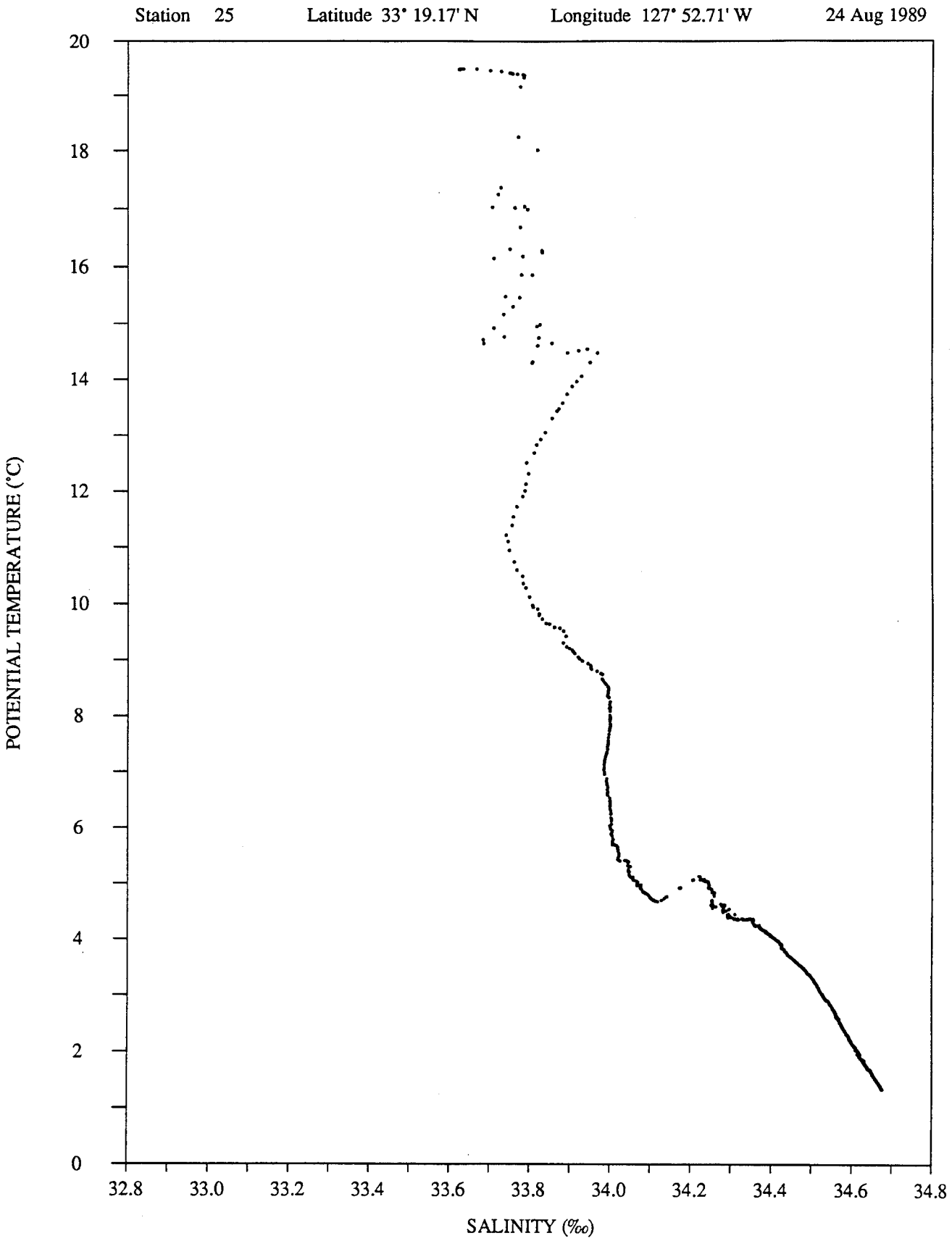
Station 25
Latitude 33° 19.17' N
Longitude 127° 52.71' W
24 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
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10
8
6
4
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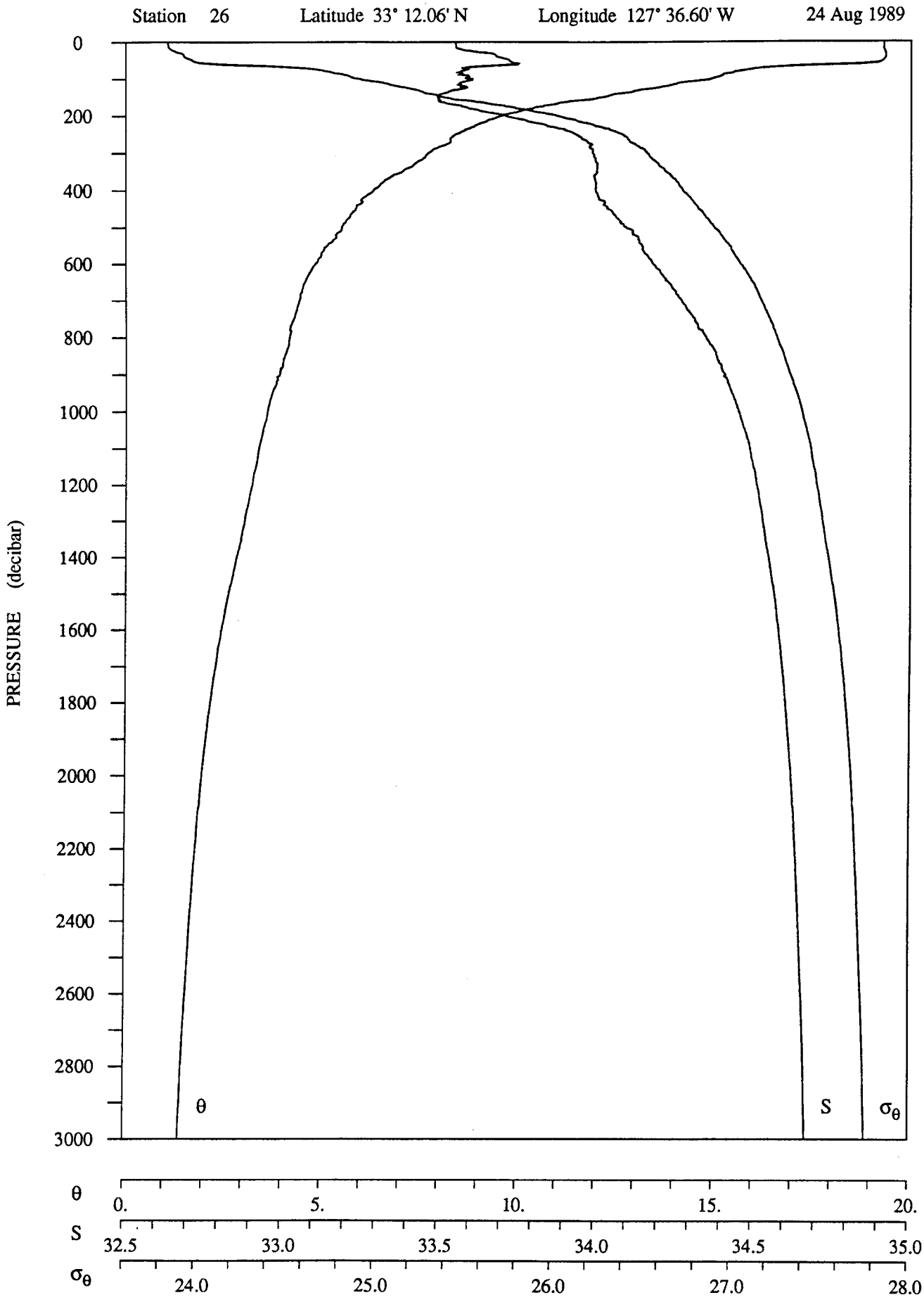
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 26
Latitude 33° 12.06' N
Longitude 127° 36.60' W
24 Aug 1989
PRESSURE (decibar)
0
200
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1000
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1400
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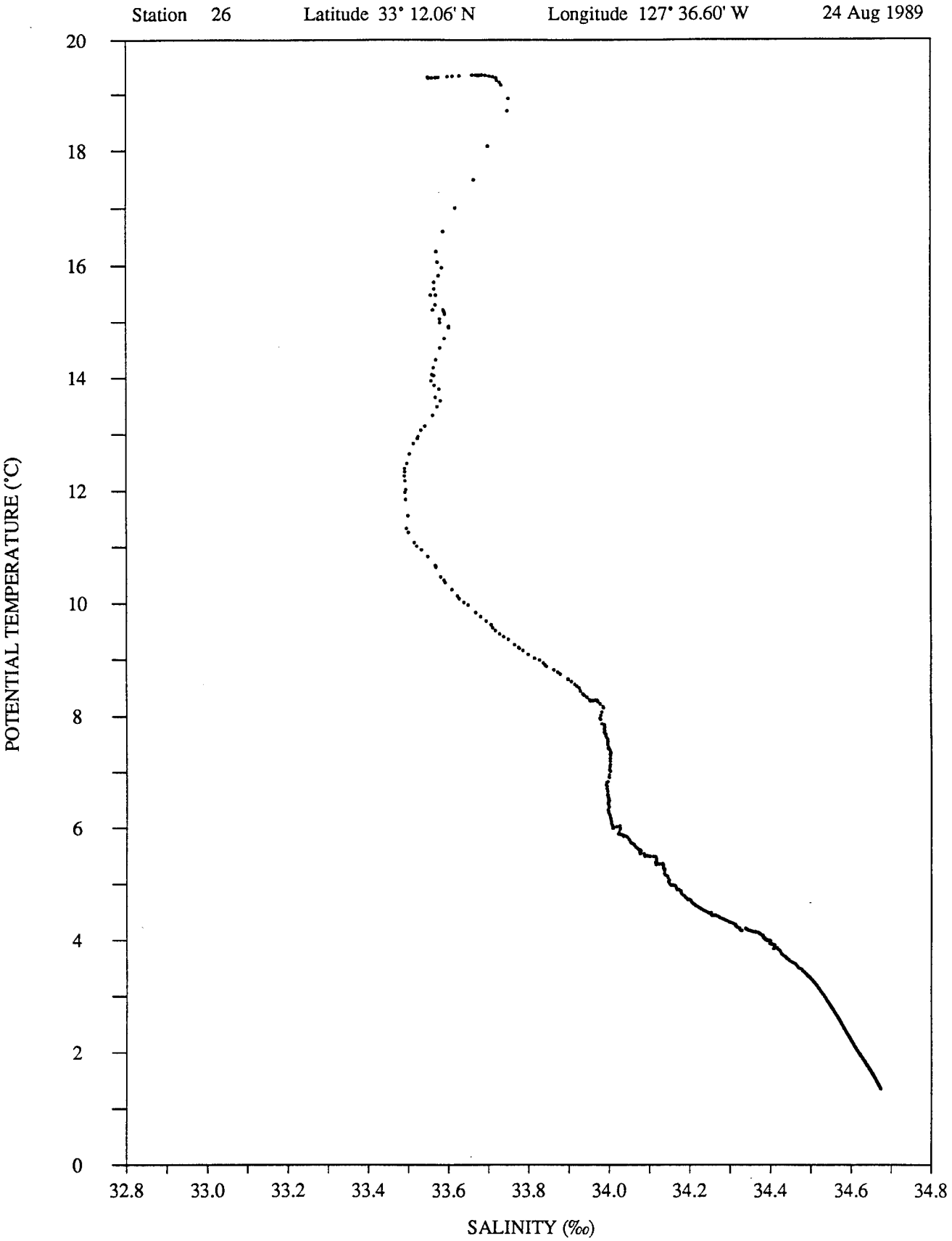
Station 26
Latitude 33° 12.06' N
Longitude 127° 36.60' W
24 Aug 1989
POTENTIAL TEMPERATURE (°C)
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12
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33.2
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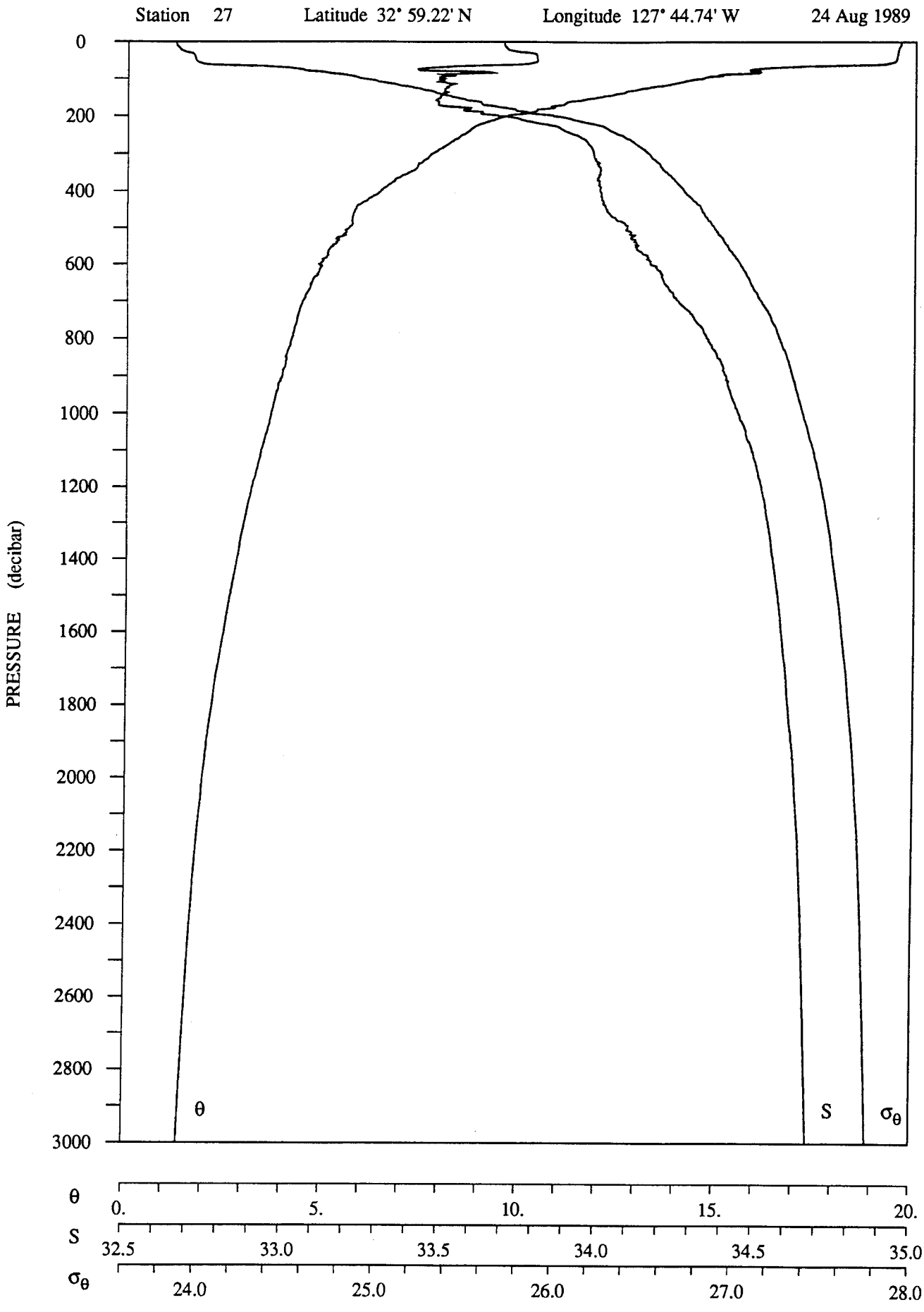
34.8
SALINITY (‰)


Station 27
Latitude 32° 59.22' N
Longitude 127° 44.74' W
24 Aug 1989
PRESSURE (decibar)
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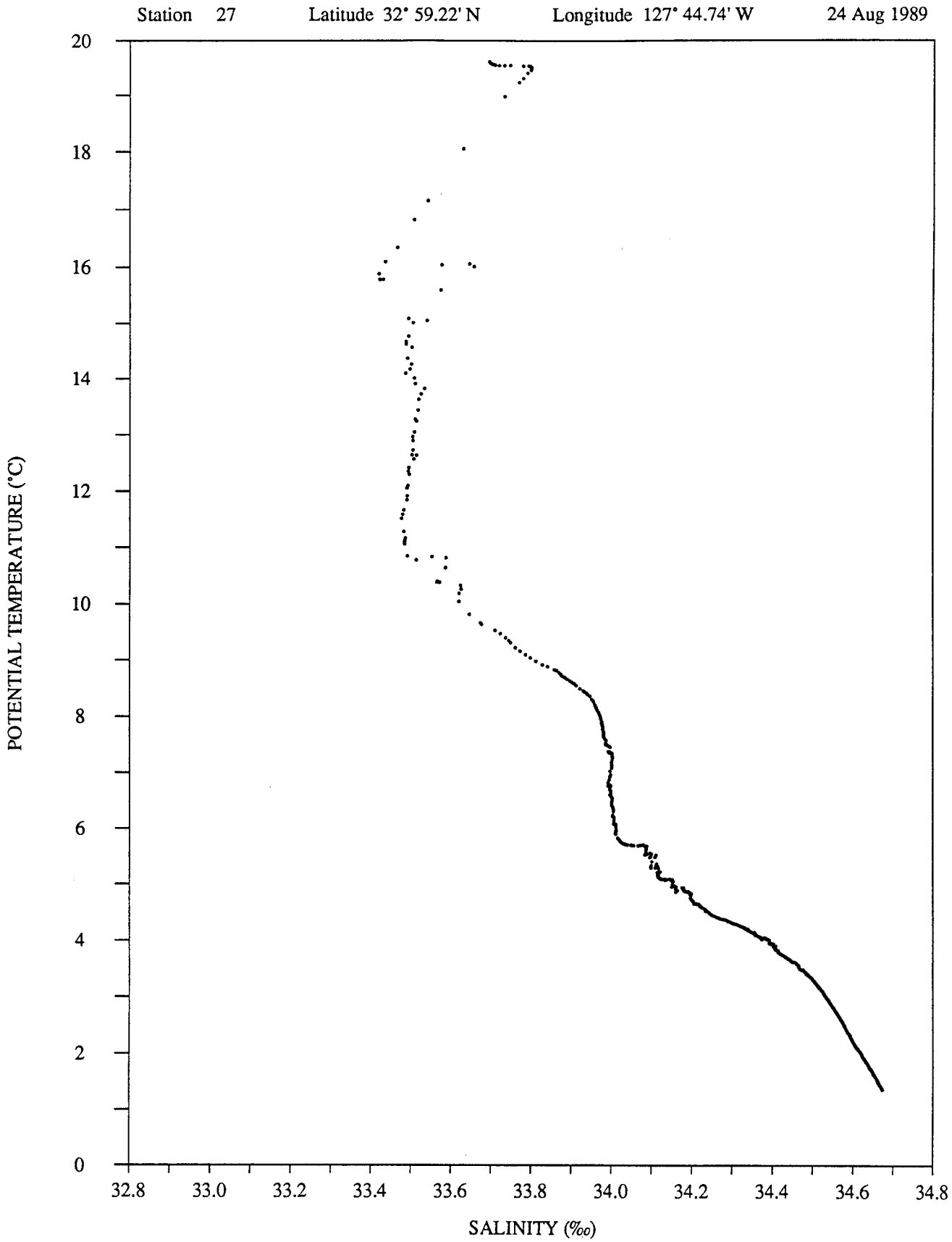
Station 27
Latitude 32° 59.22' N
Longitude 127° 44.74' W
24 Aug 1989
POTENTIAL TEMPERATURE (°C)
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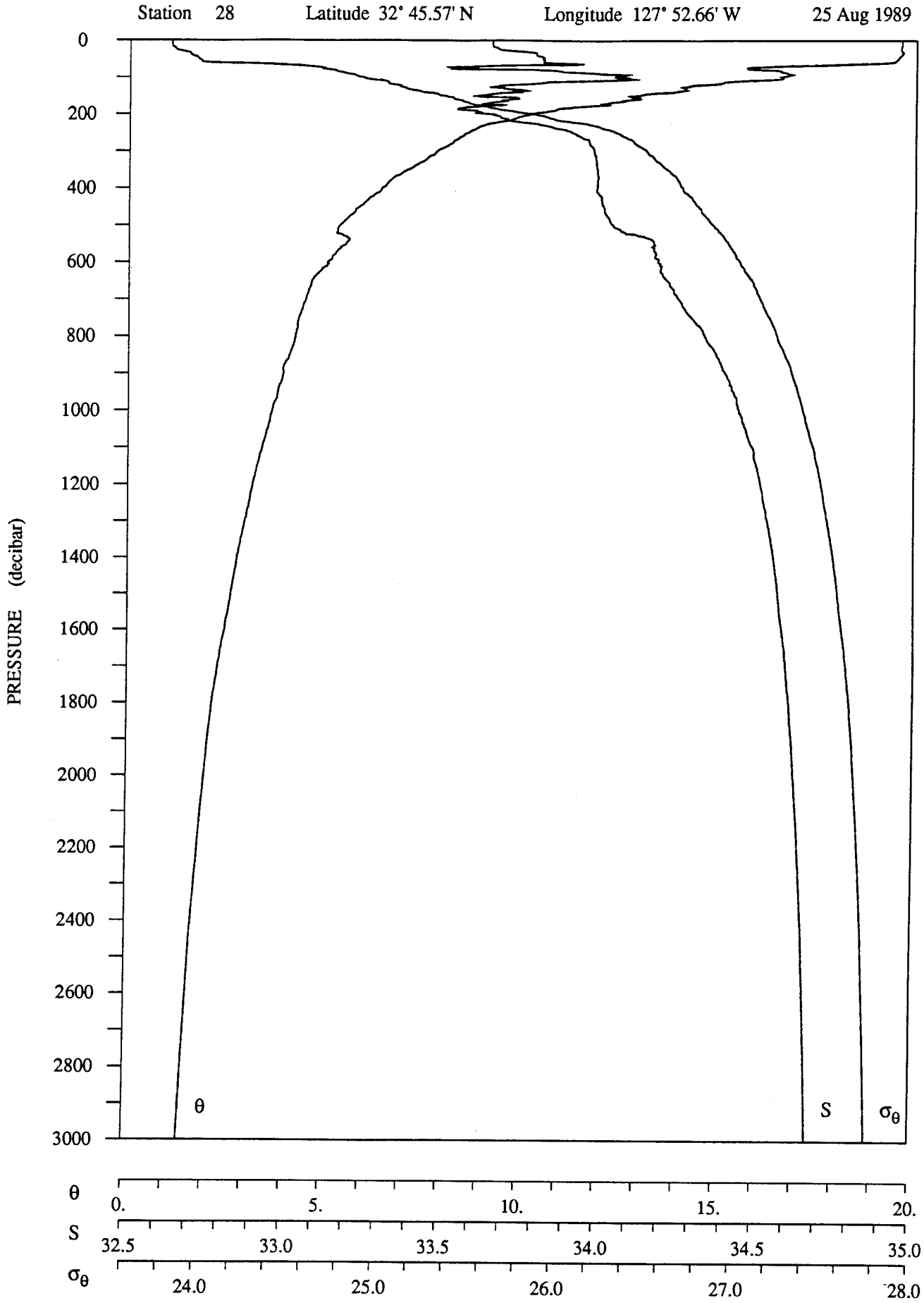
34.8
SALINITY (‰)


Station 28
Latitude 32° 45.57' N
Longitude 127° 52.66' W
25 Aug 1989
PRESSURE (decibar)
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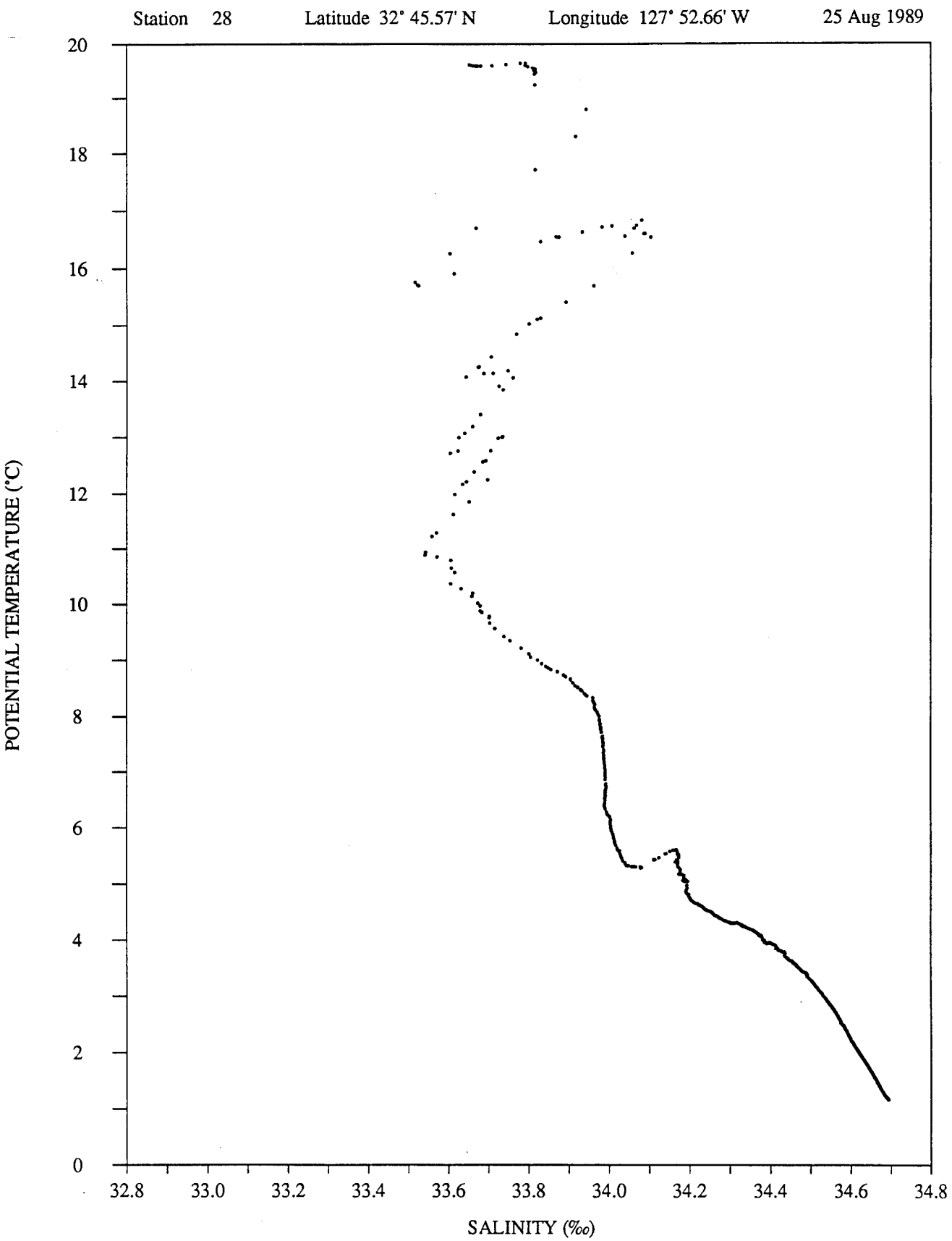
Station 28
Latitude 32° 45.57' N
Longitude 127° 52.66' W
25 Aug 1989
POTENTIAL TEMPERATURE (°C)
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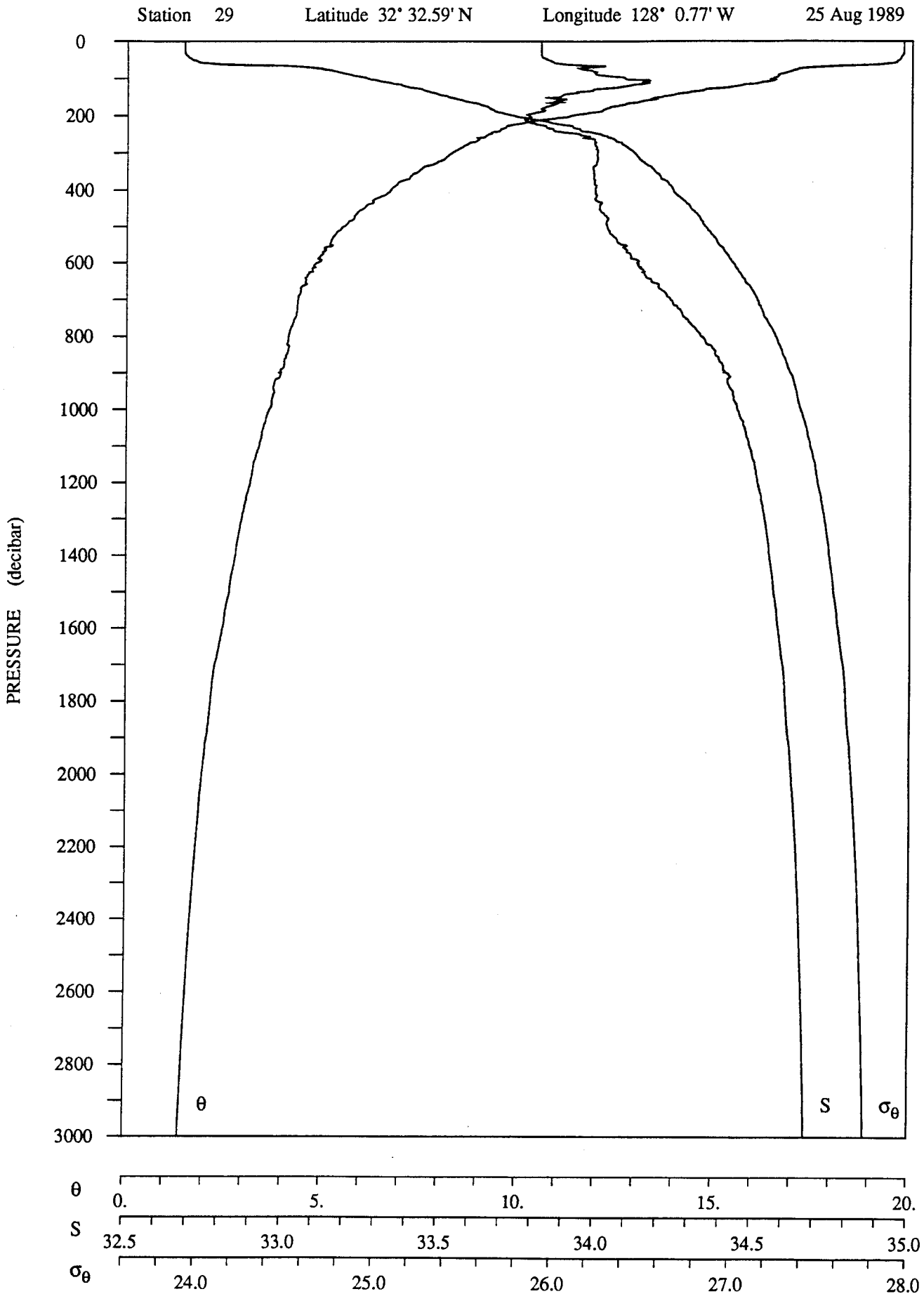
34.6
34.8
SALINITY (‰)


Station 29
Latitude 32° 32.59' N
Longitude 128° 0.77' W
25 Aug 1989
PRESSURE (decibar)
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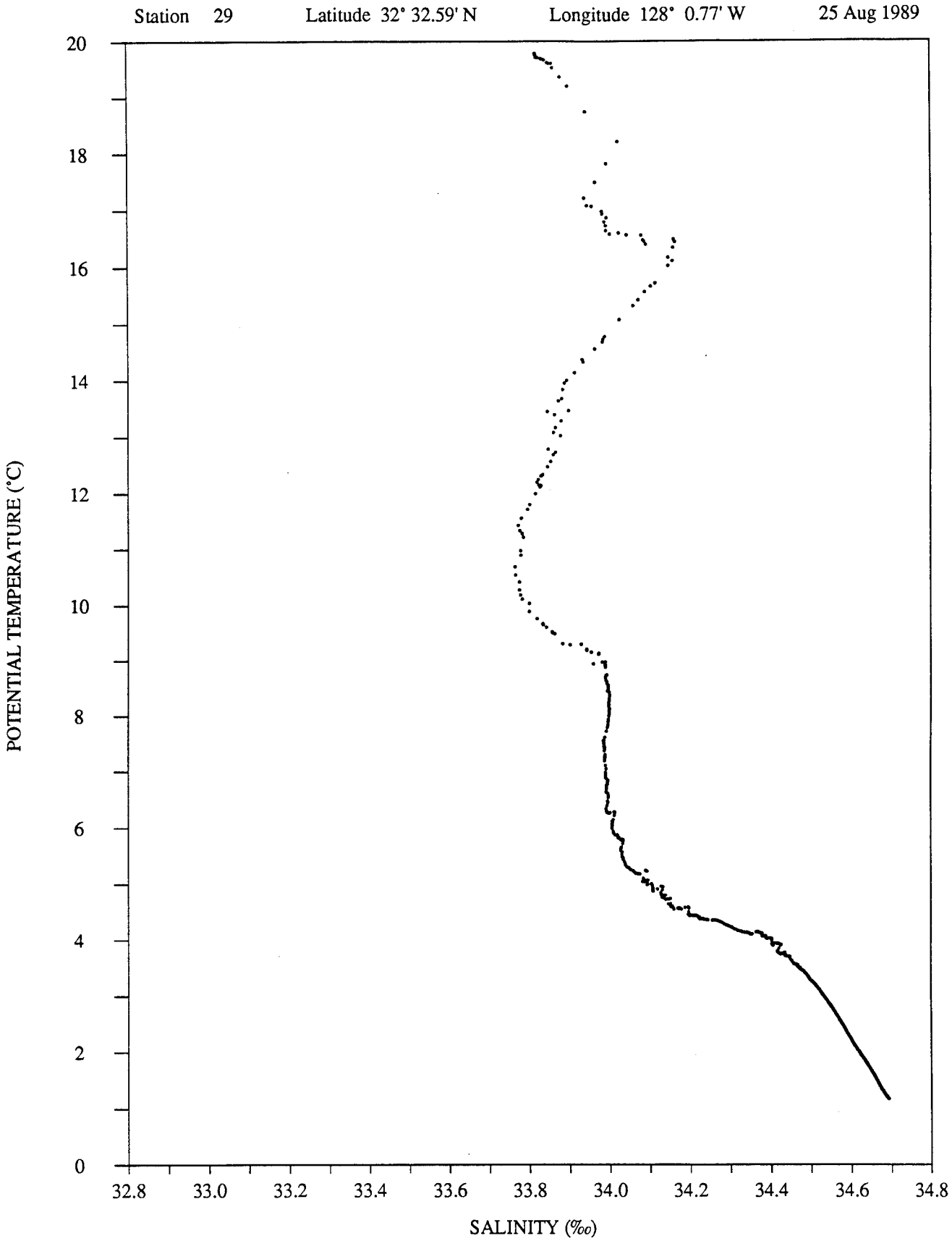
Station 29
Latitude 32° 32.59' N
Longitude 128° 0.77' W
25 Aug 1989
POTENTIAL TEMPERATURE (°C)
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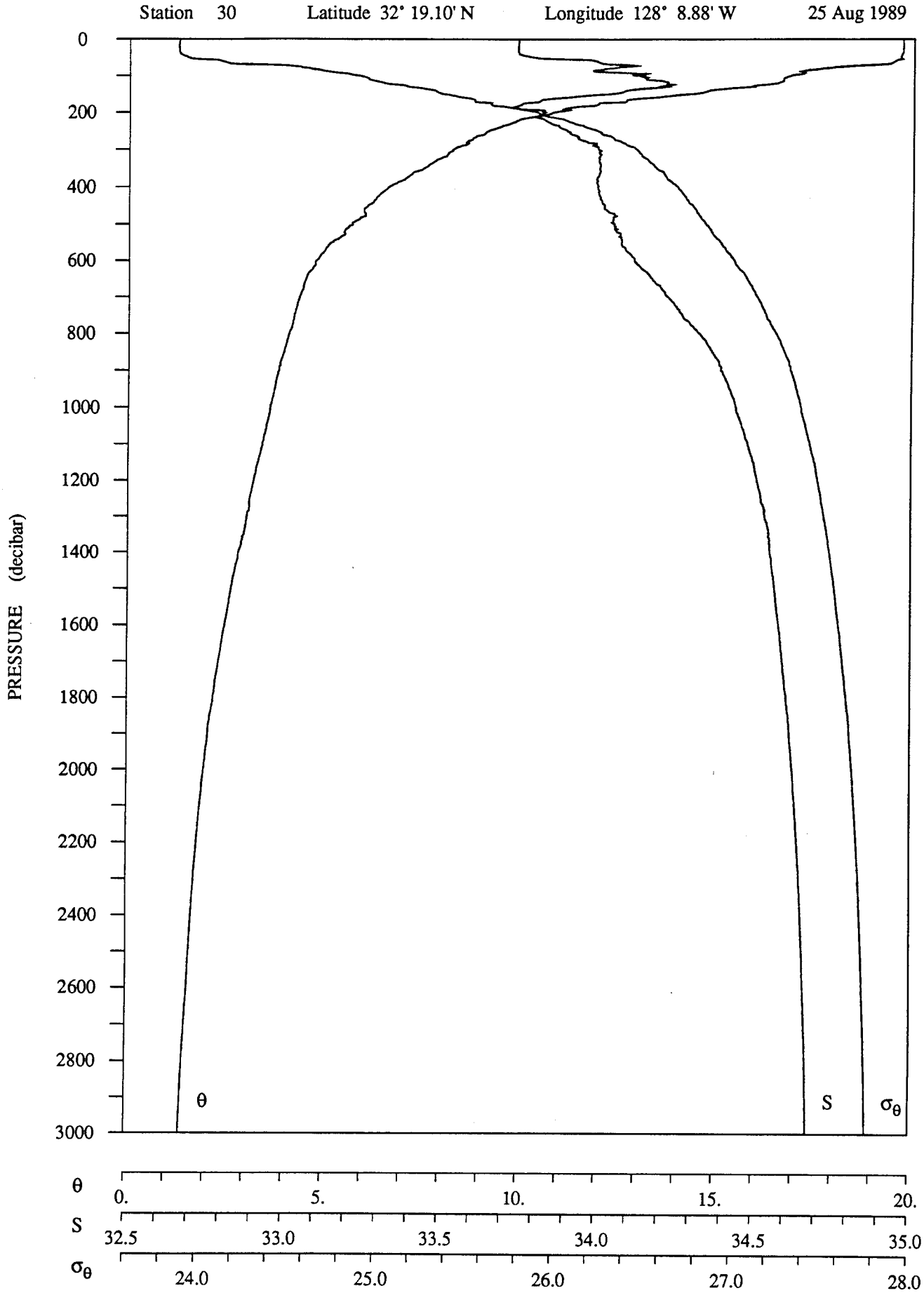
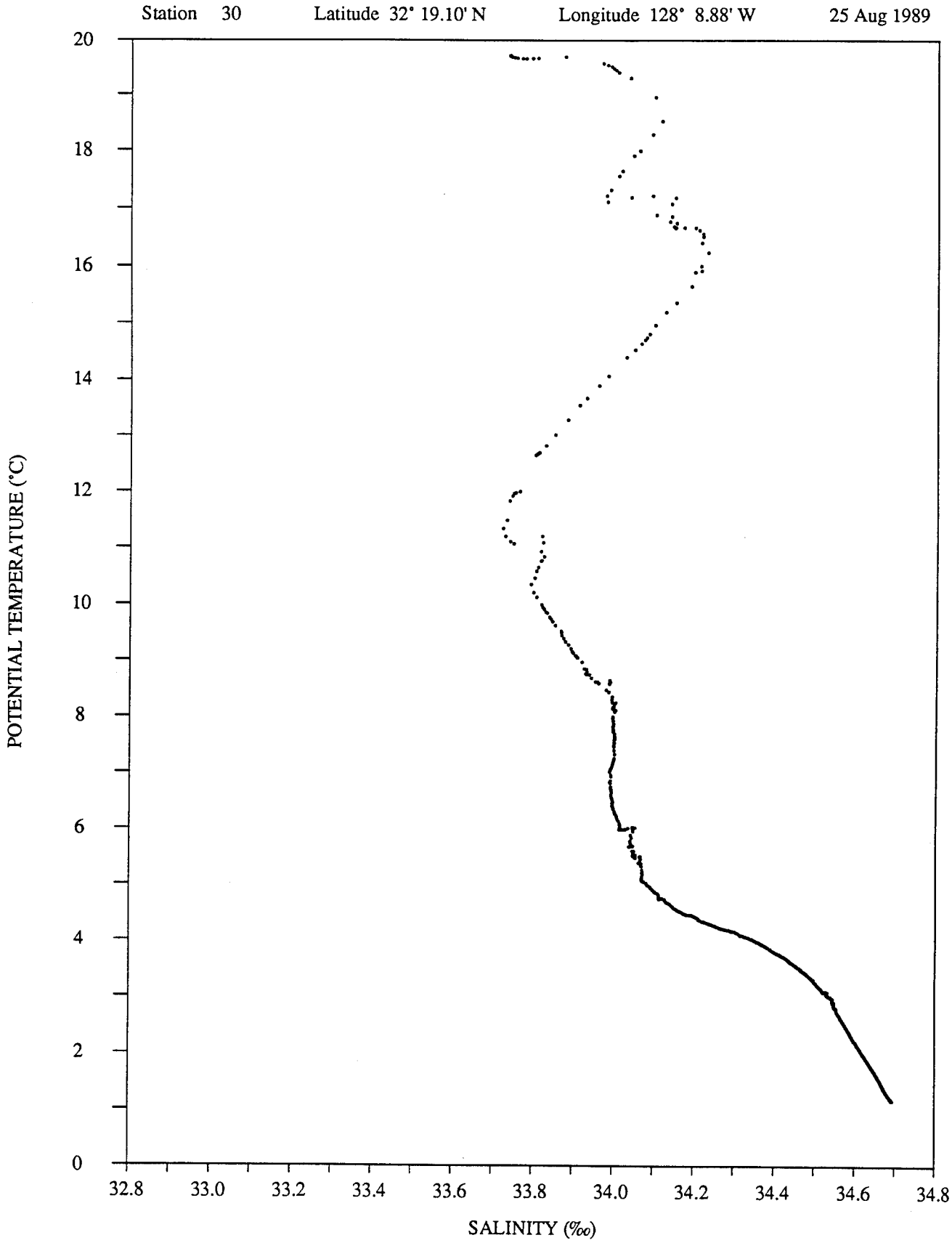
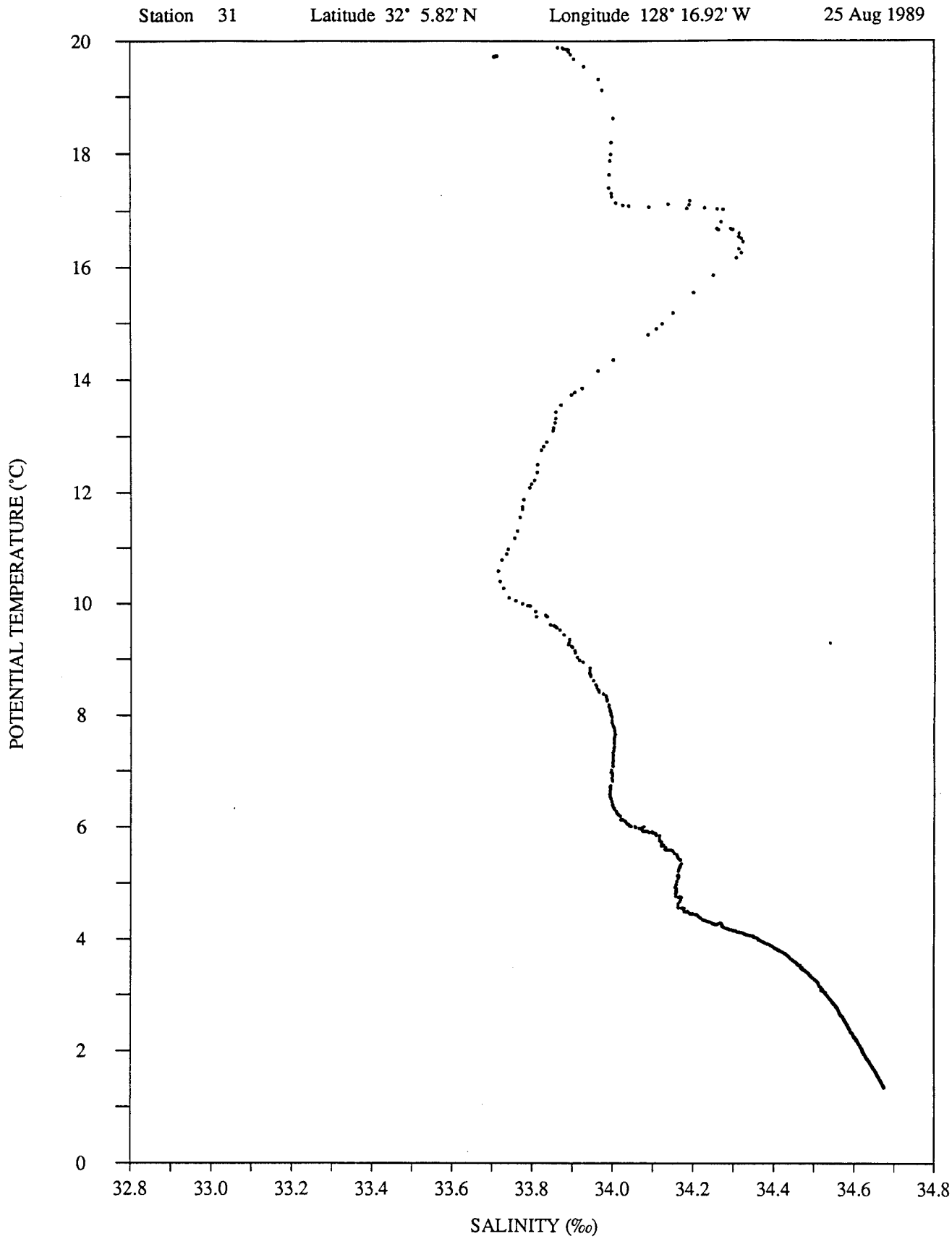
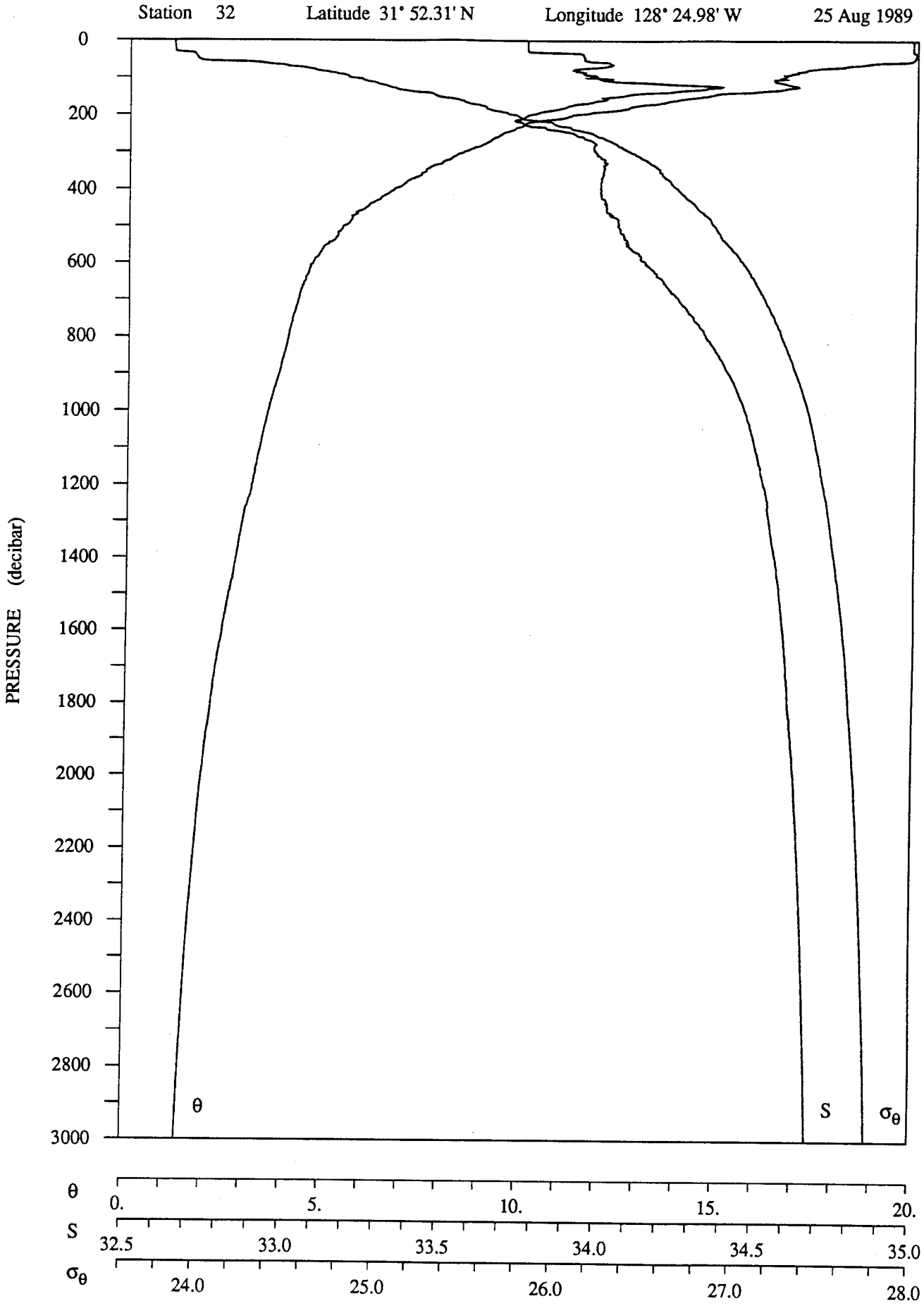
34.8
SALINITY (‰)

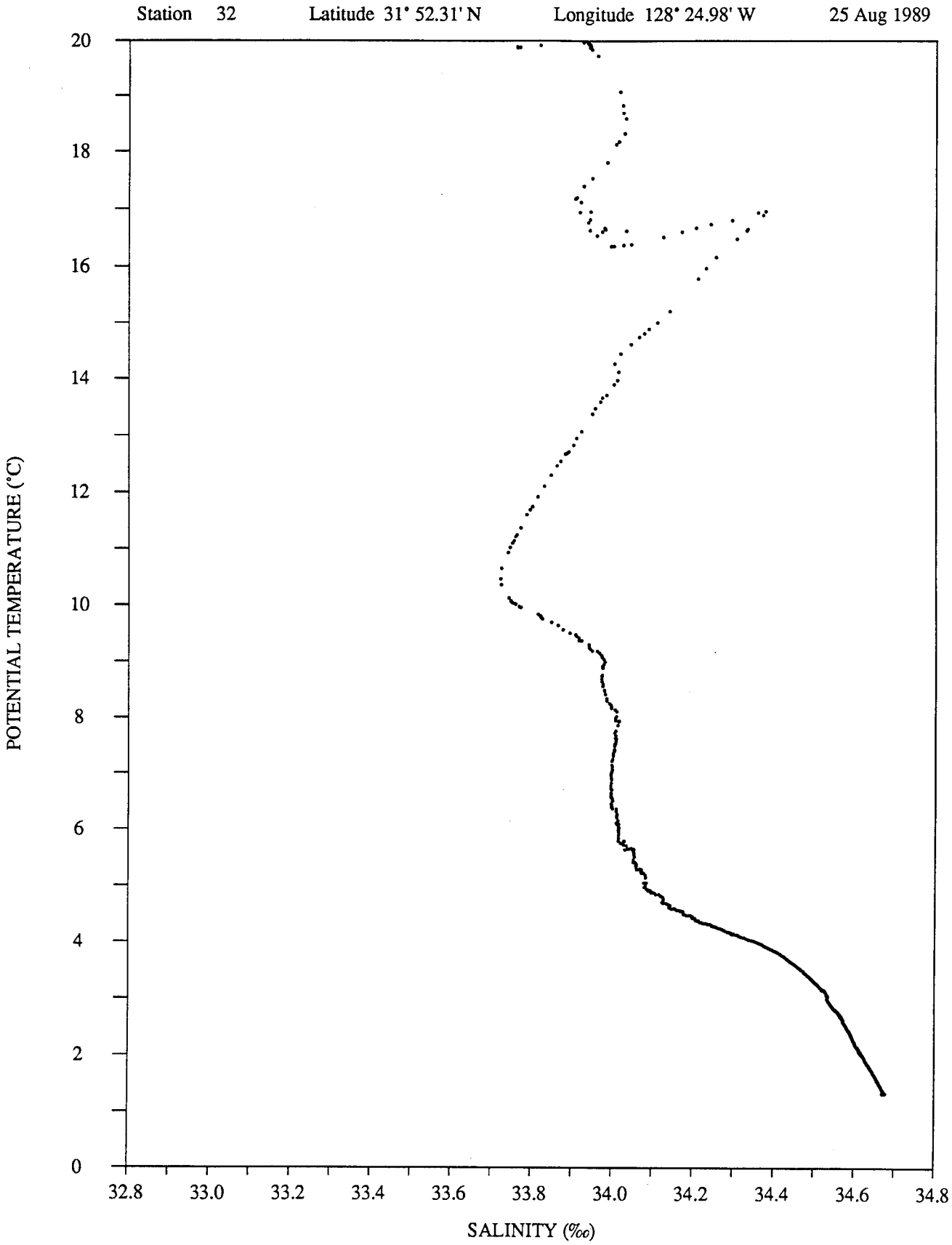

Station 30
Latitude 32° 19.10' N
Longitude 128° 8.88' W
25 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
S
σθ
θ
0.
5.
10.
15.
20.
S
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0

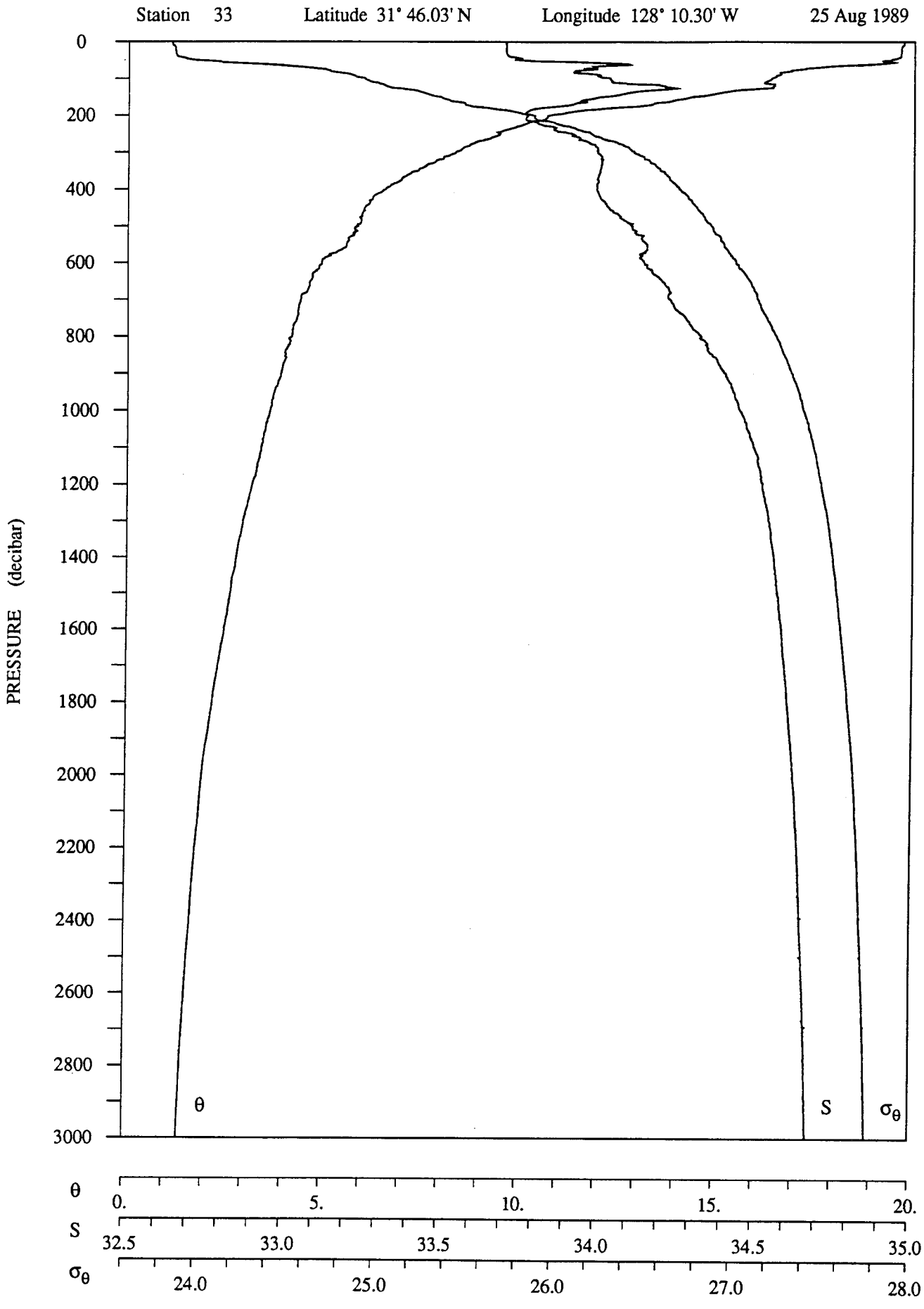

Station 30
Latitude 32° 19.10' N
Longitude 128° 8.88' W
25 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)

Station 31
Latitude 32° 5.82' N
Longitude 128° 16.92' W
25 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
S
σθ
θ
0.
5.
10.
15.
20.
S
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 31
Latitude 32° 5.82' N
Longitude 128° 16.92' W
25 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 32
Latitude 31° 52.31' N
Longitude 128° 24.98' W
25 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
S
σθ
θ
0.
5.
10.
15.
20.
S
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 32
Latitude 31° 52.31' N
Longitude 128° 24.98' W
25 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 33
Latitude 31° 46.03' N
Longitude 128° 10.30' W
25 Aug 1989
PRESSURE (decibar)
0
200
400
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1000
1200
1400
1600
1800
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2200
2400
2600
2800
3000
θ
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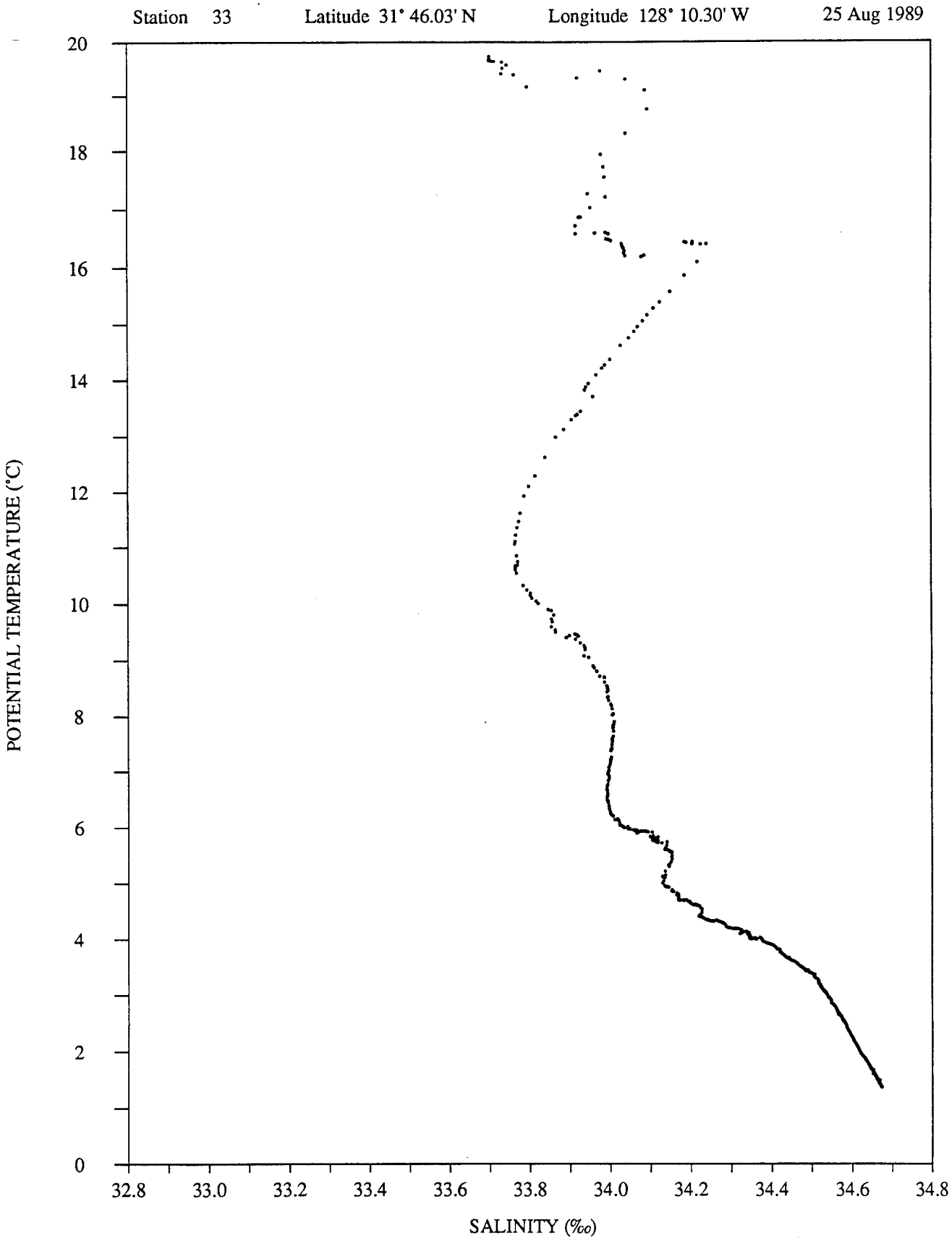
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 33
Latitude 31° 46.03' N
Longitude 128° 10.30' W
25 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
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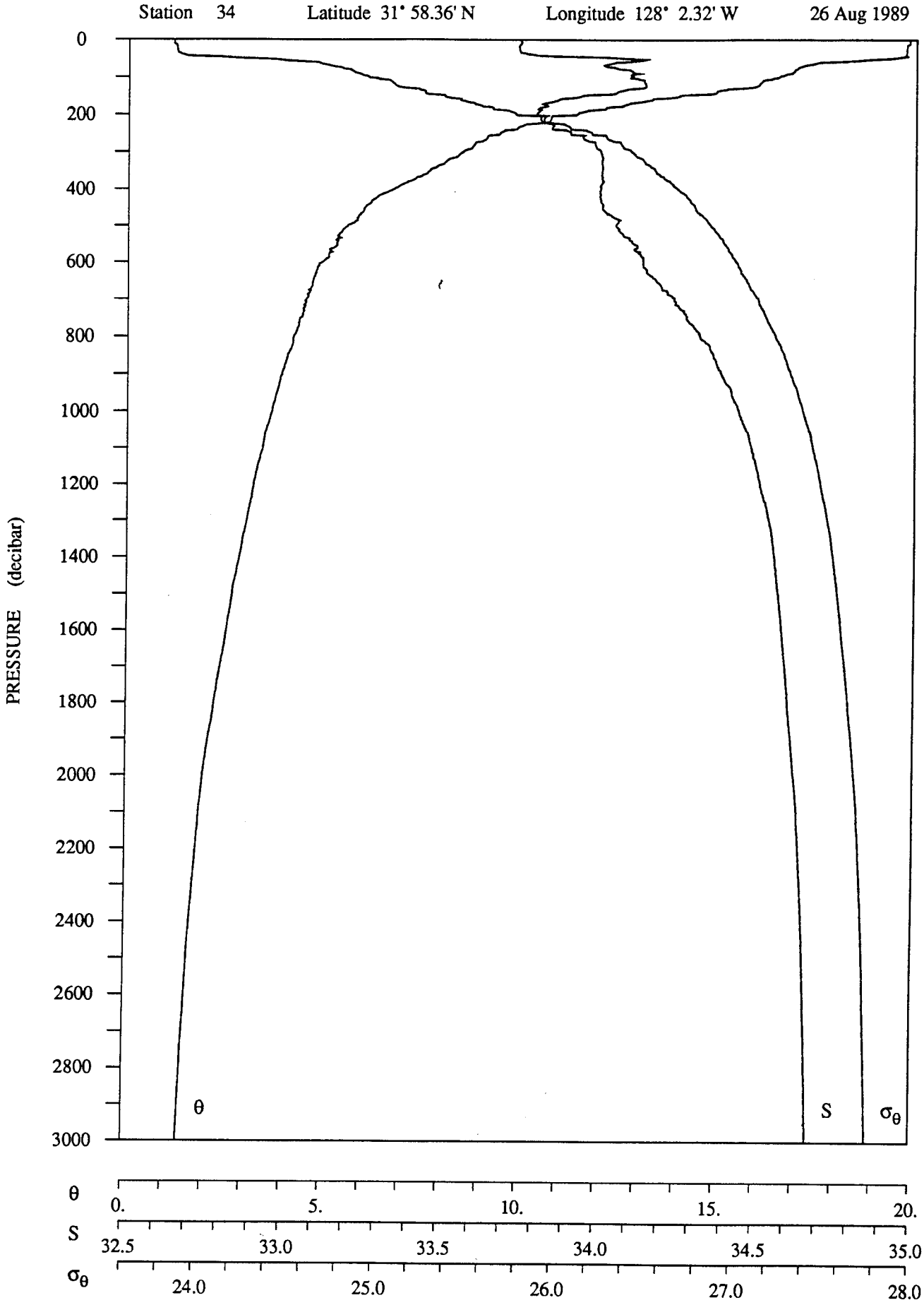
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 34
Latitude 31° 58.36' N
Longitude 128° 2.32' W
26 Aug 1989
PRESSURE (decibar)
0
200
400
600
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1200
1400
1600
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2600
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θ
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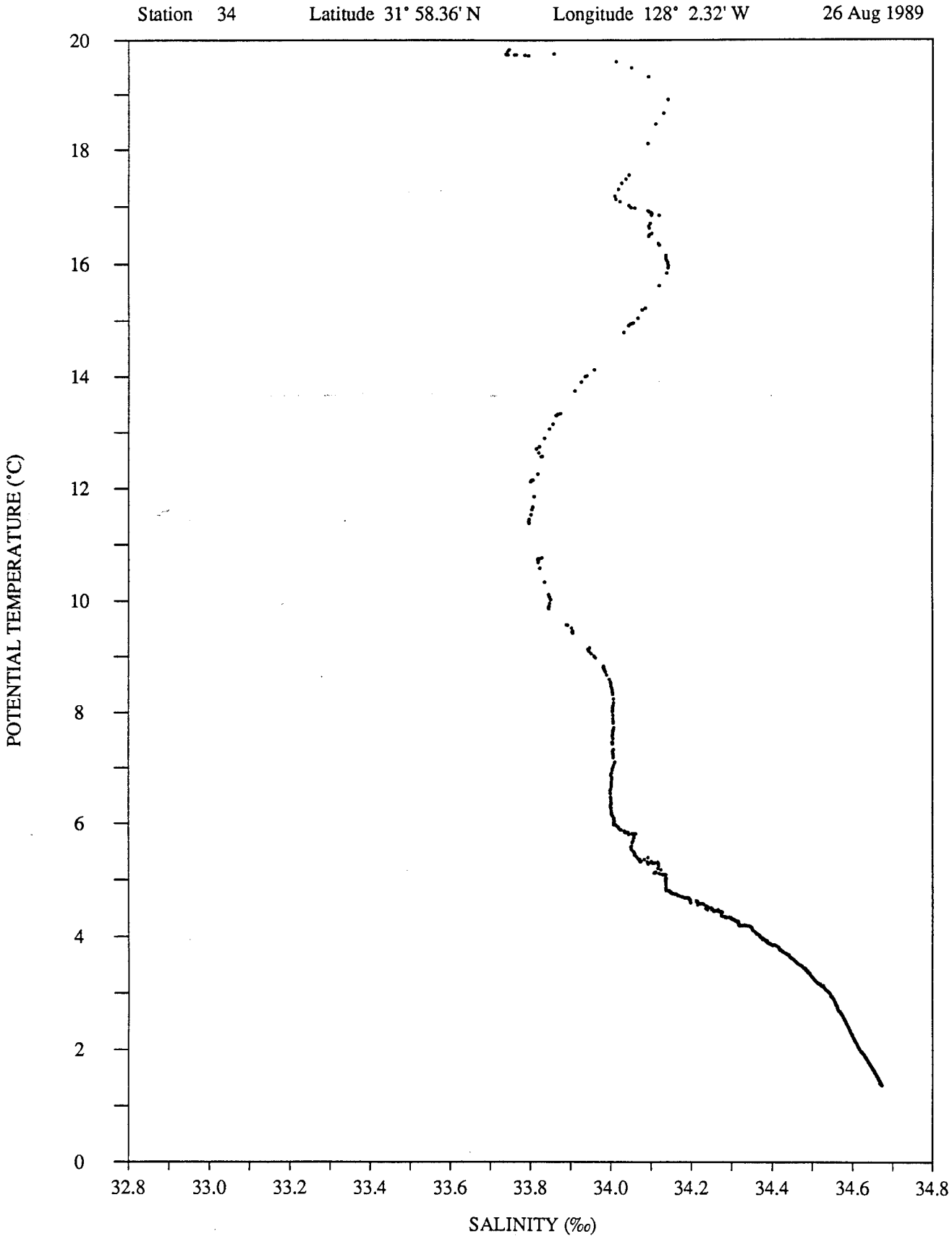
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 34
Latitude 31° 58.36' N
Longitude 128° 2.32' W
26 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
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10
8
6
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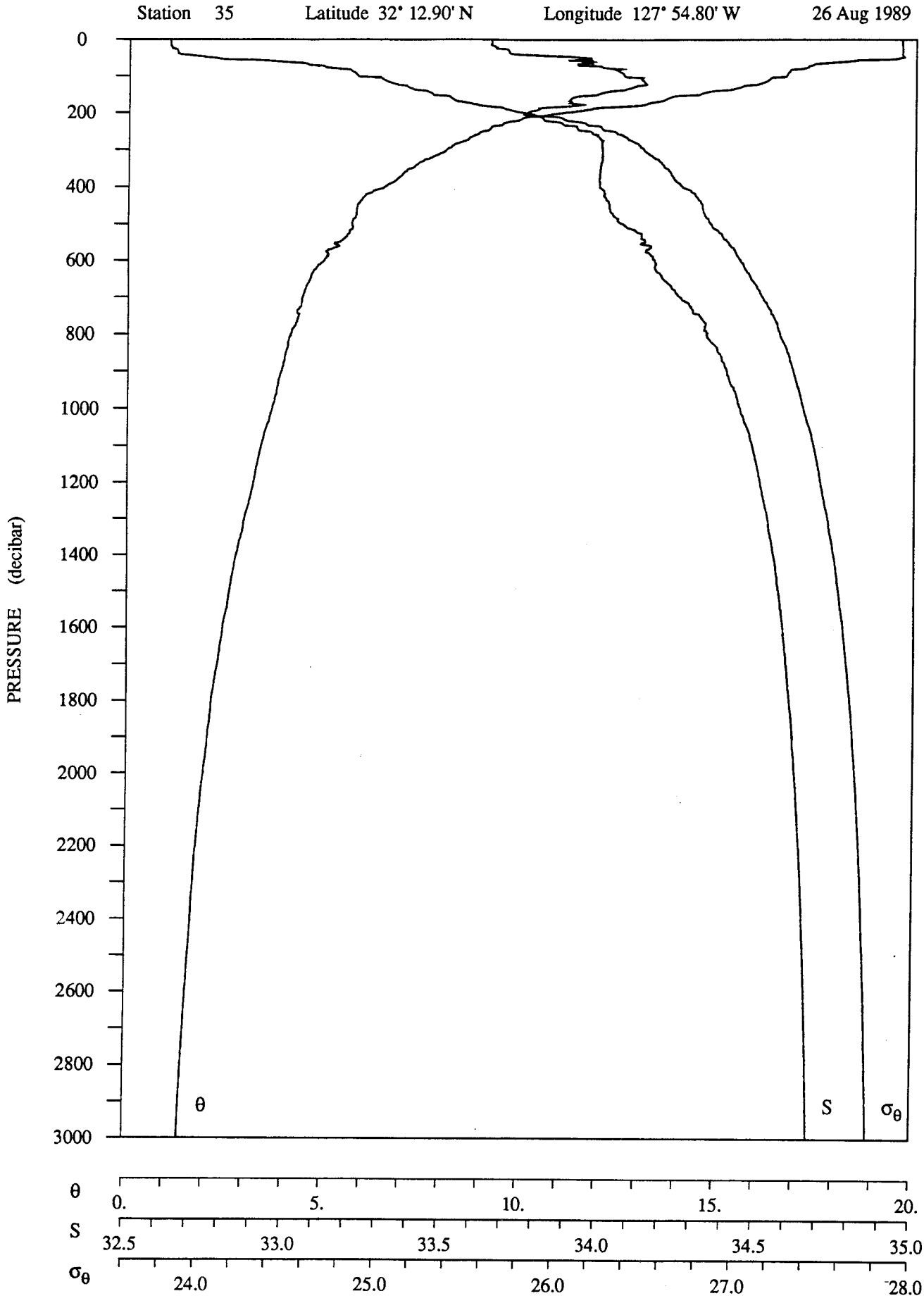
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 35
Latitude 32° 12.90' N
Longitude 127° 54.80' W
26 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
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1600
1800
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2400
2600
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3000
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θ
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20.
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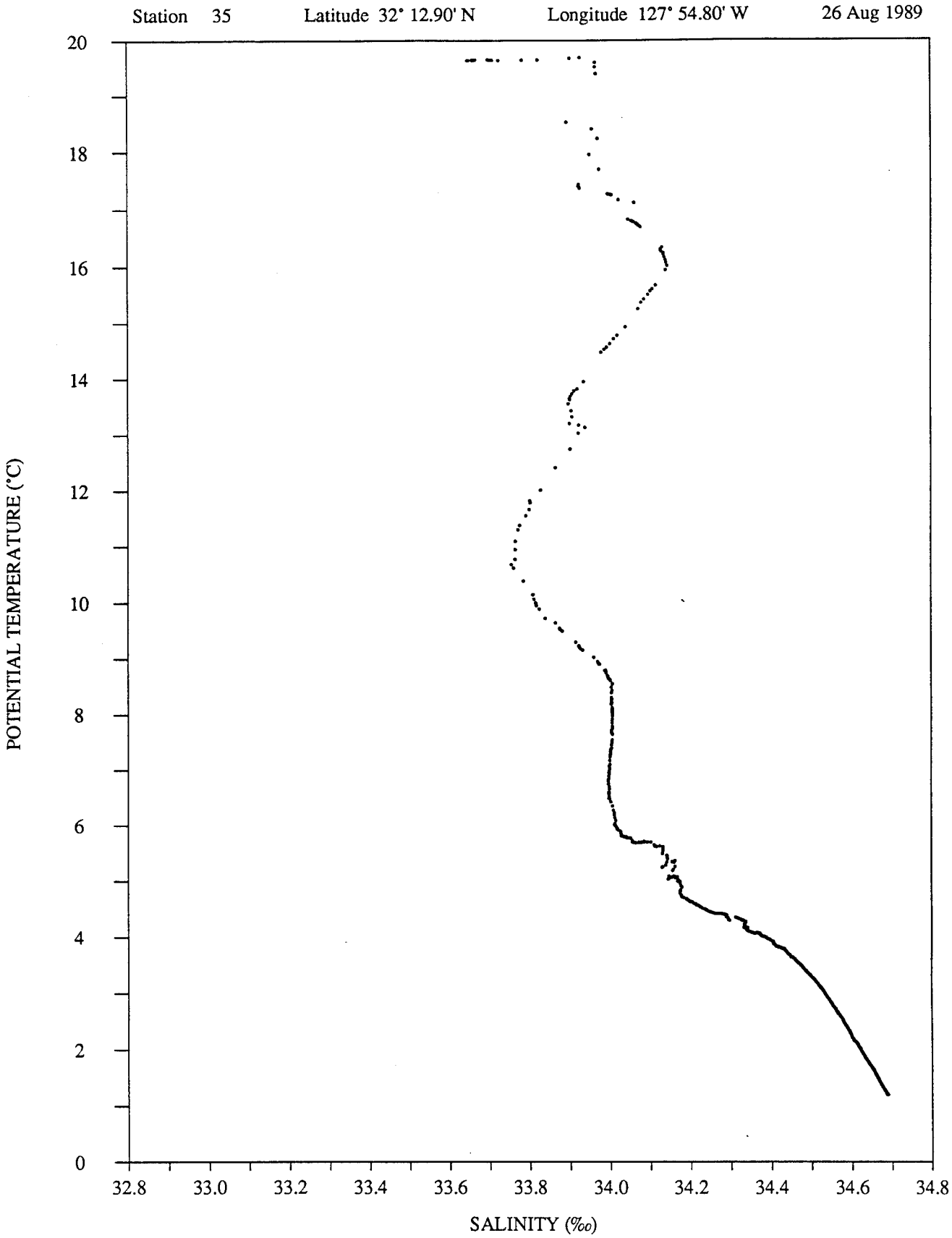
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 35
Latitude 32° 12.90' N
Longitude 127° 54.80' W
26 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
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10
8
6
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32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)

Station 36
Latitude 32° 19.12' N
Longitude 127° 50.46' W
26 Aug 1989
PRESSURE (decibar)
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200
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1000
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1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
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σθ
θ
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15.
20.
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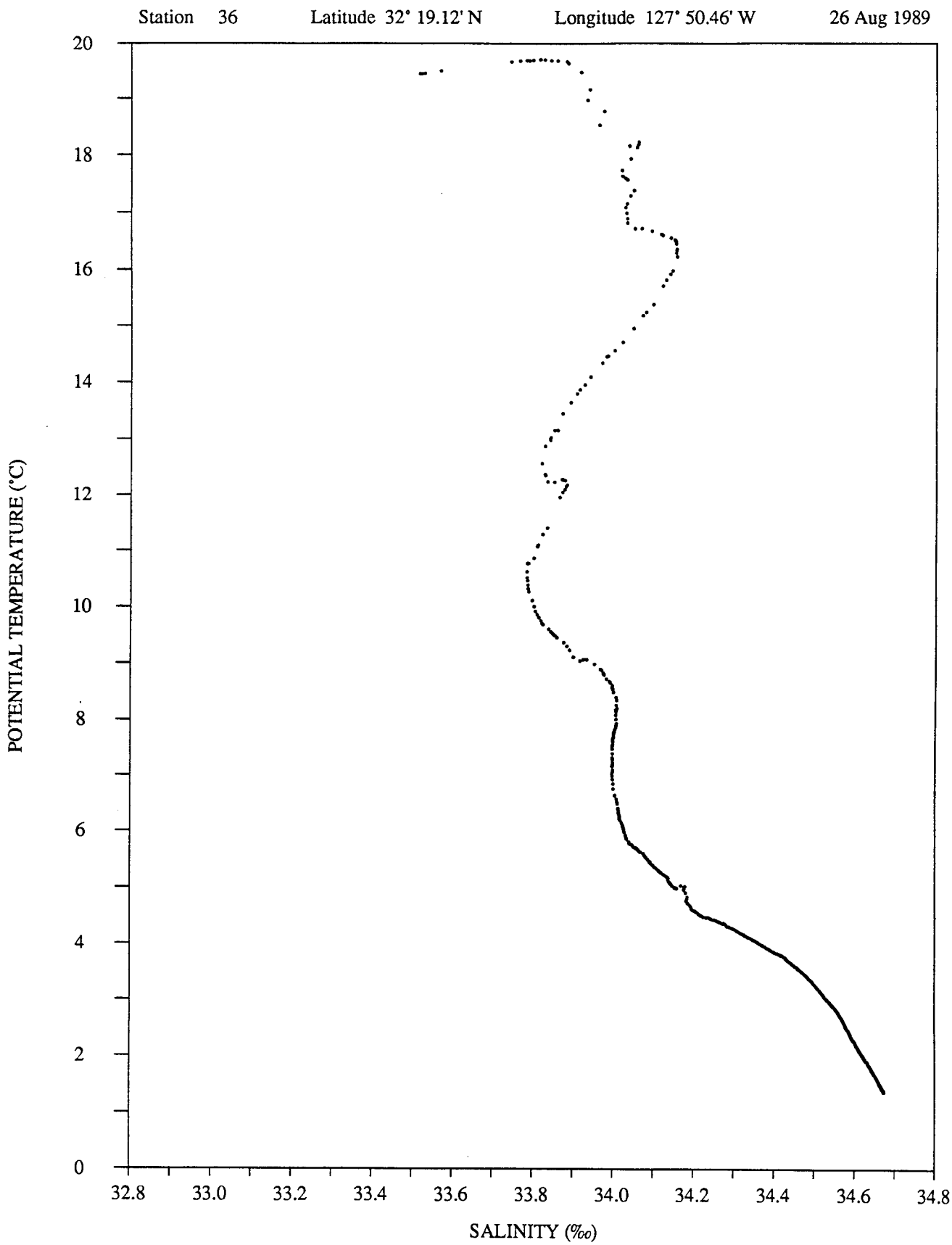
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 36
Latitude 32° 19.12' N
Longitude 127° 50.46' W
26 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
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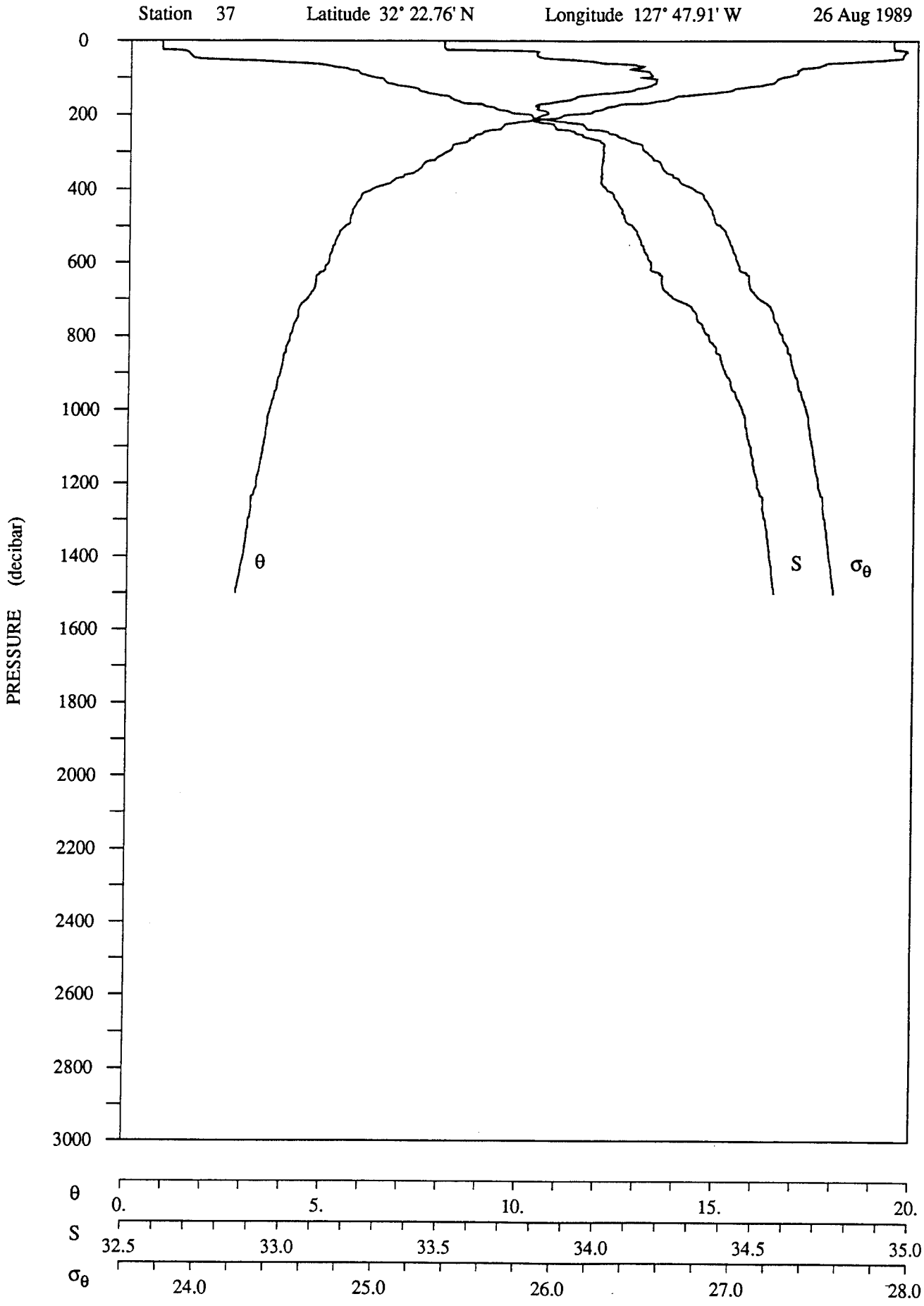
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 37
Latitude 32° 22.76' N
Longitude 127° 47.91' W
26 Aug 1989
PRESSURE (decibar)
0
200
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1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
S
σθ
θ
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5.
10.
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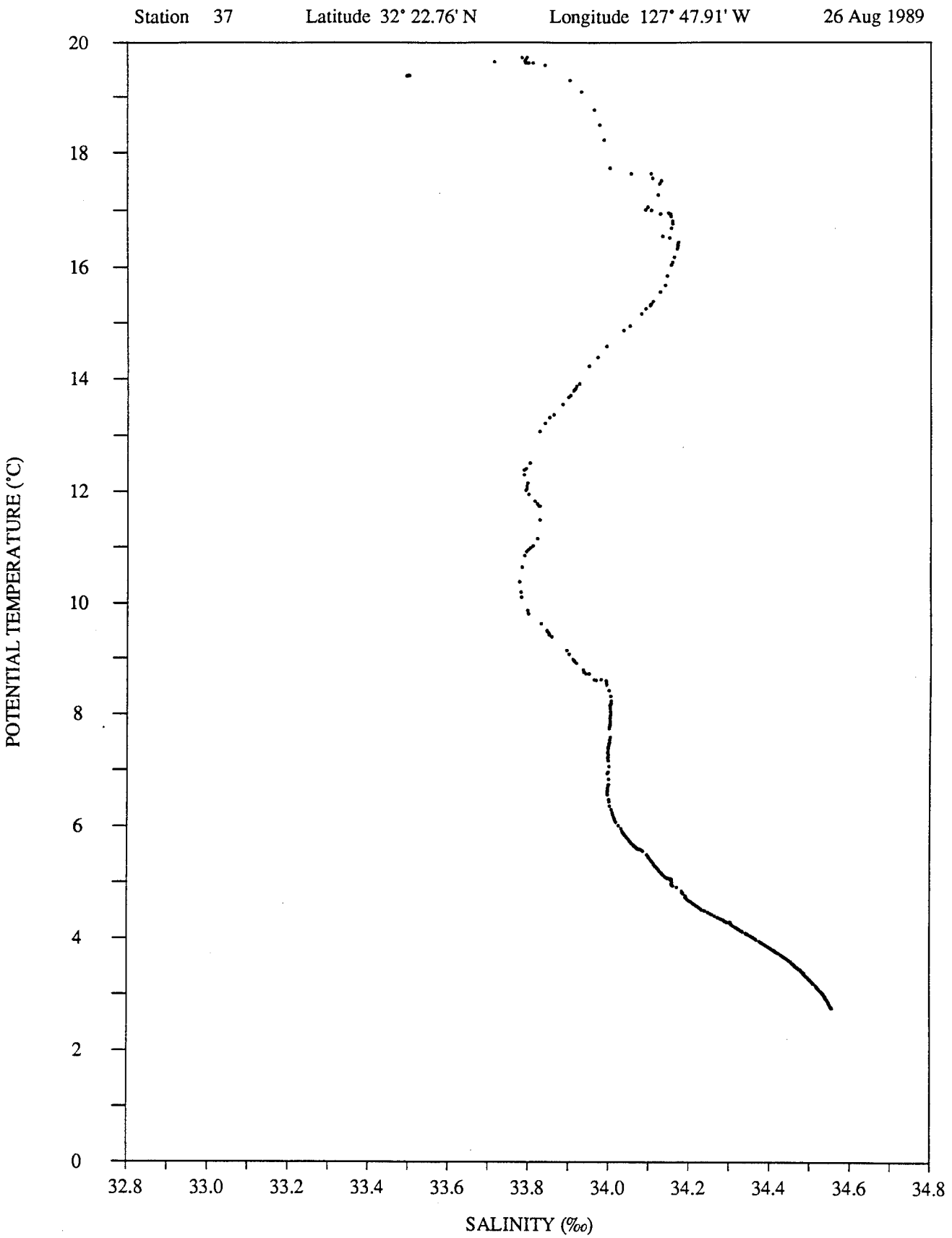
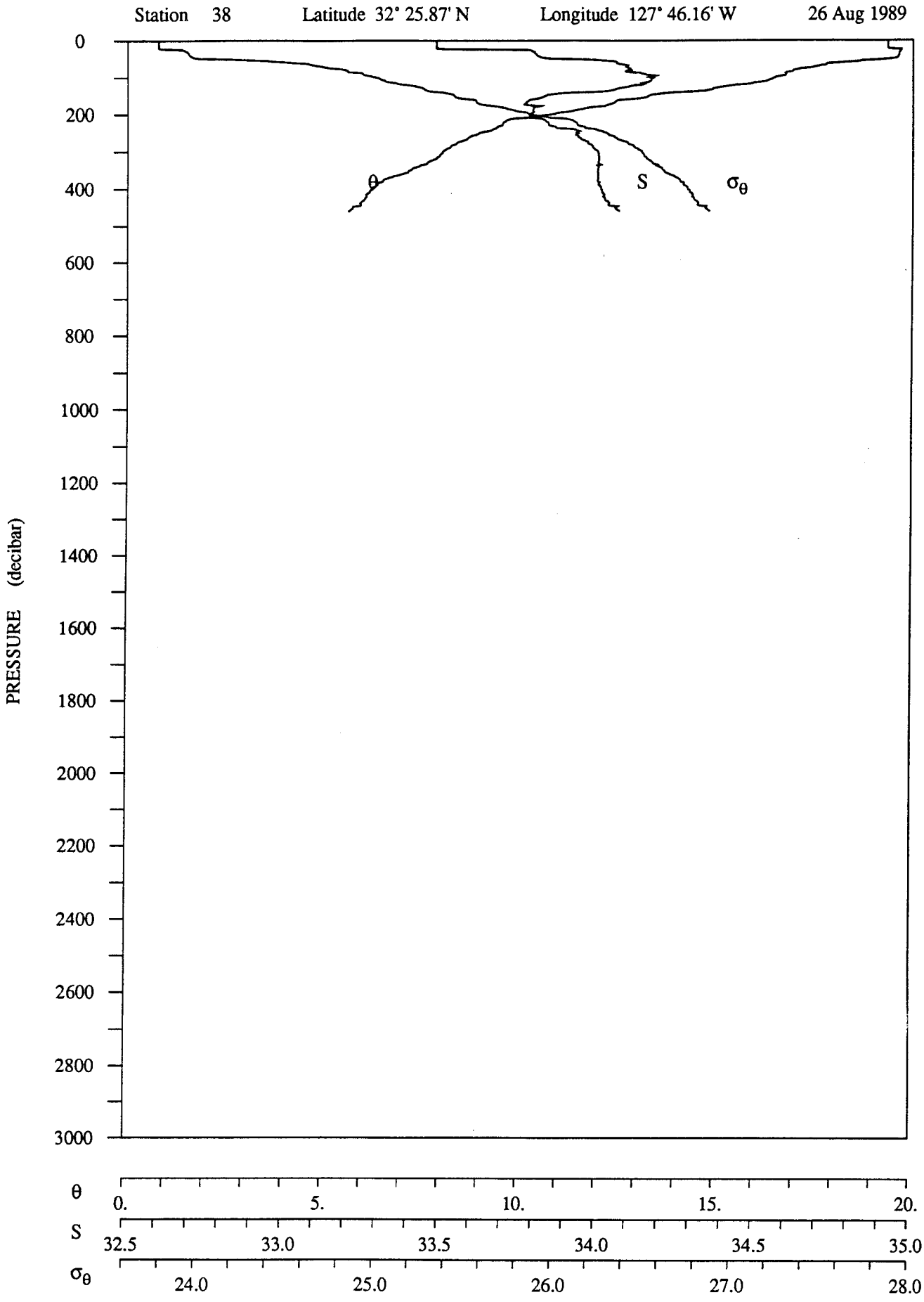
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 37
Latitude 32° 22.76' N
Longitude 127° 47.91' W
26 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 38
Latitude 32° 25.87' N
Longitude 127° 46.16' W
26 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
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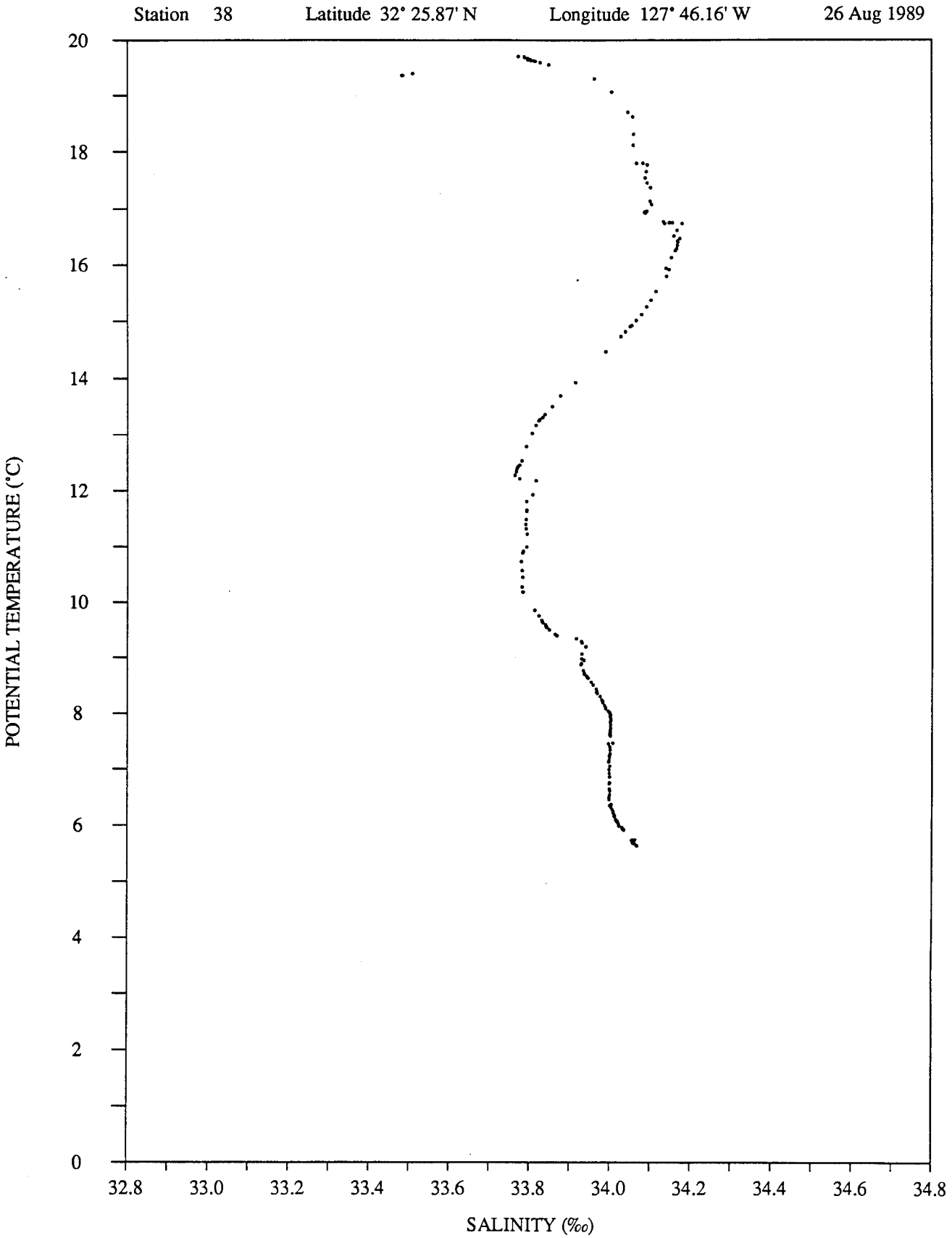
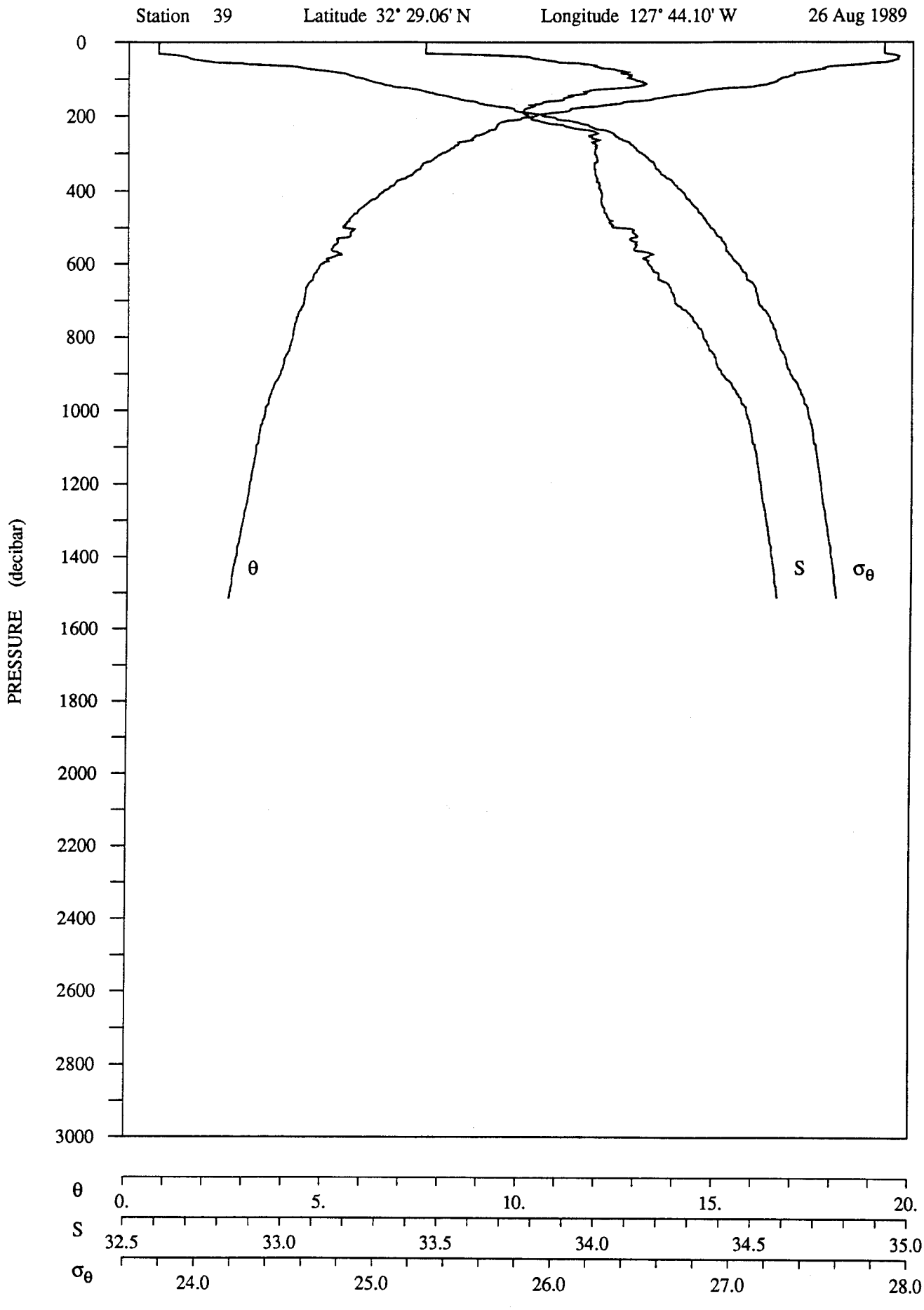
2800
3000
θ
S
σθ
θ 0. 5. 10. 15. 20.
S 32.5 33.0 33.5 34.0 34.5 35.0
σθ 24.0 25.0 26.0 27.0 28.0


Station 38
Latitude 32° 25.87' N
Longitude 127° 46.16' W
26 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 39
Latitude 32° 29.06' N
Longitude 127° 44.10' W
26 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
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2000
2200
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3000
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σθ
θ
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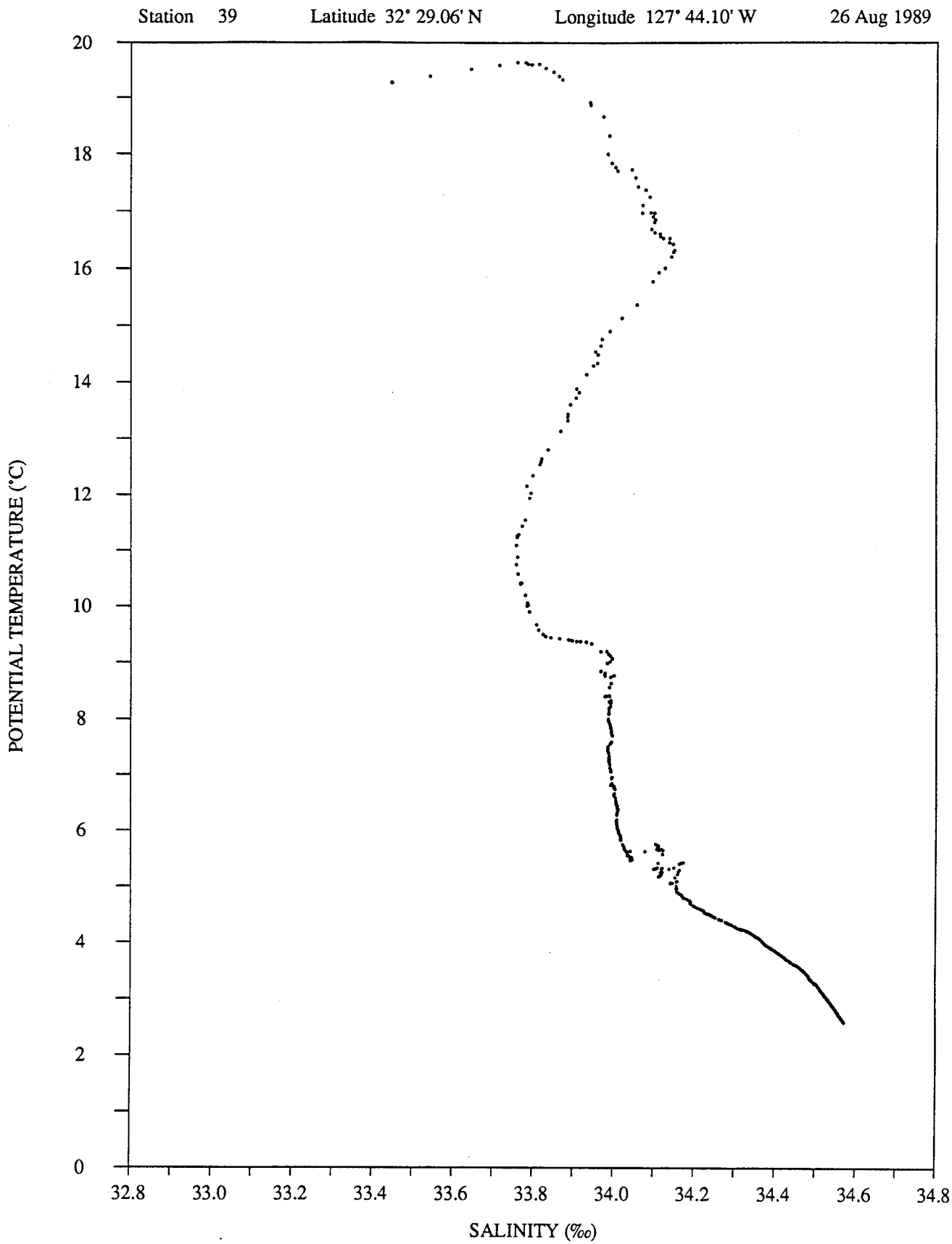
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 39
Latitude 32° 29.06' N
Longitude 127° 44.10' W
26 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
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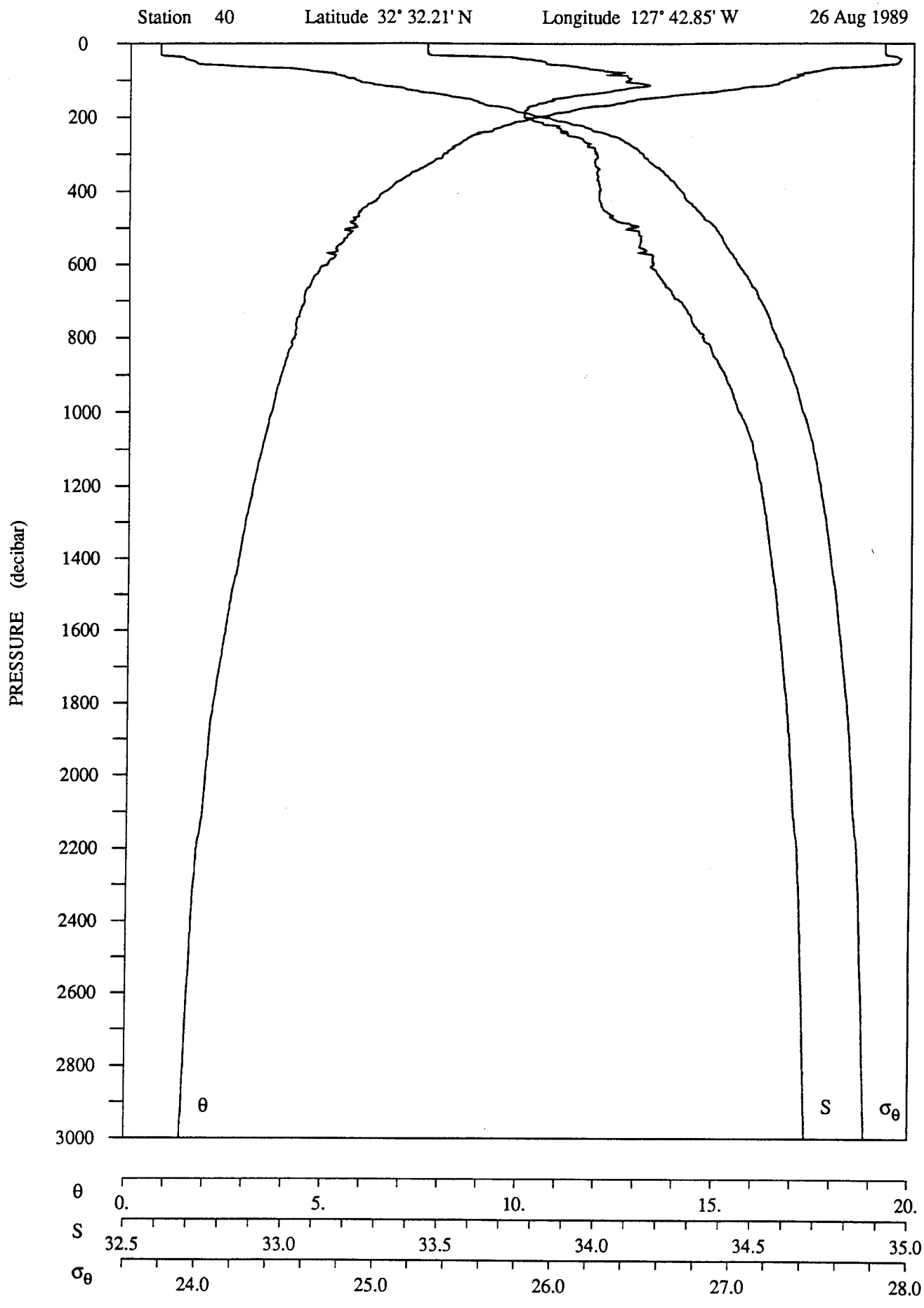
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 40
Latitude 32° 32.21' N
Longitude 127° 42.85' W
26 Aug 1989
PRESSURE (decibar)
0
200
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1000
1200
1400
1600
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2000
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2400
2600
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3000
θ
S
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34.0
34.5
35.0
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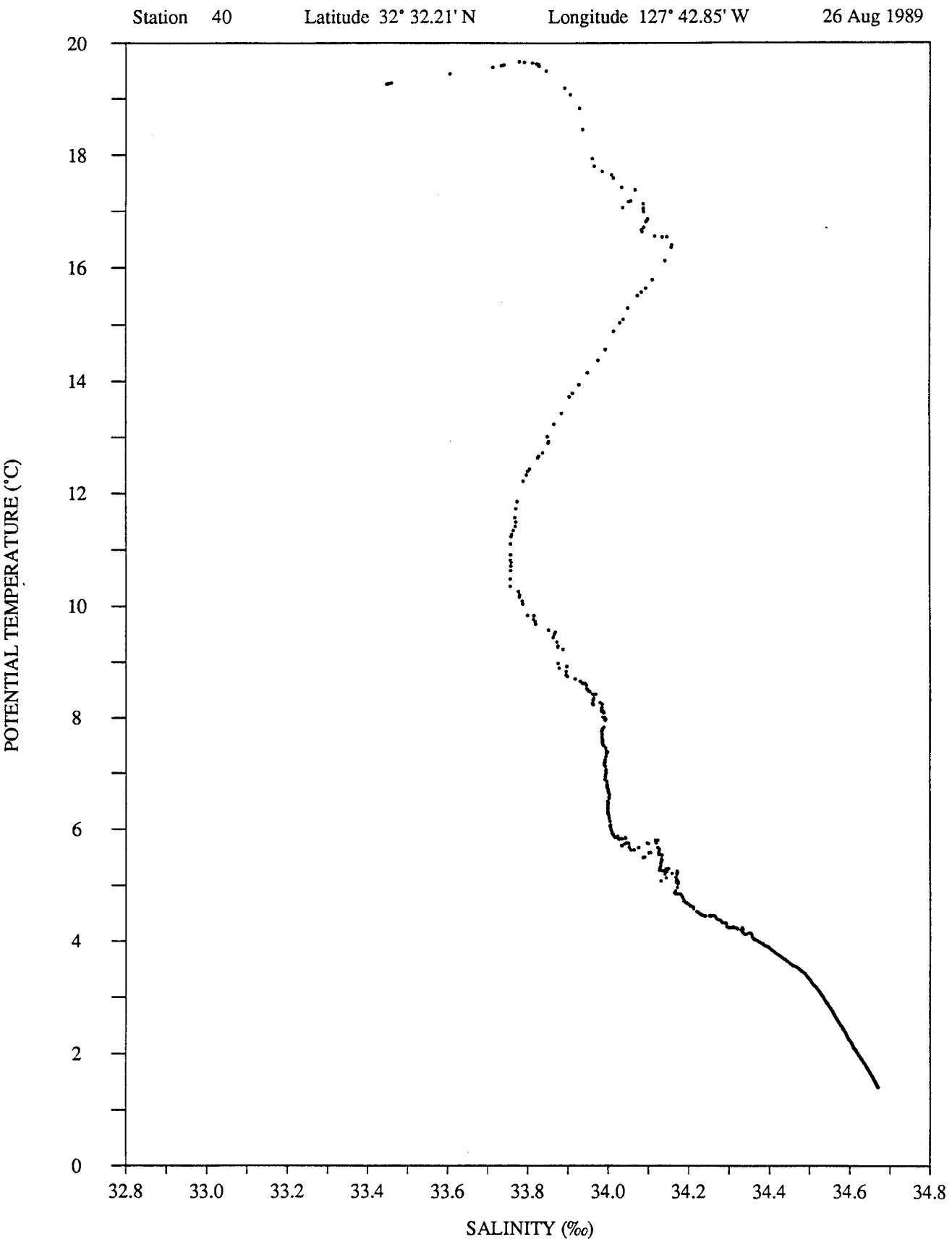
24.0
25.0
26.0
27.0
28.0


Station 40
Latitude 32° 32.21' N
Longitude 127° 42.85' W
26 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
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4
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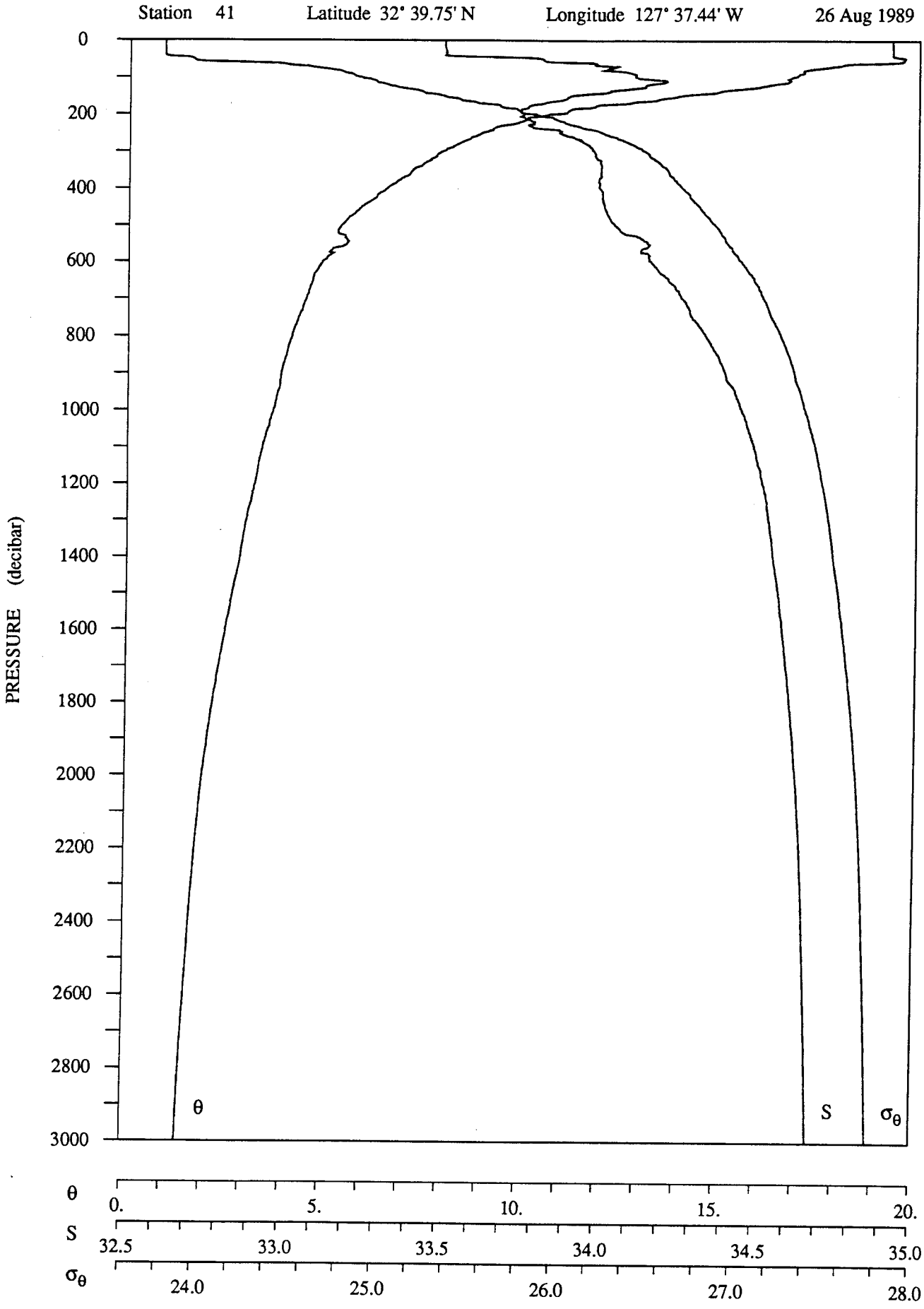
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 41
Latitude 32° 39.75' N
Longitude 127° 37.44' W
26 Aug 1989
PRESSURE (decibar)
0
200
400
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800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
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σθ
θ
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20.
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32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
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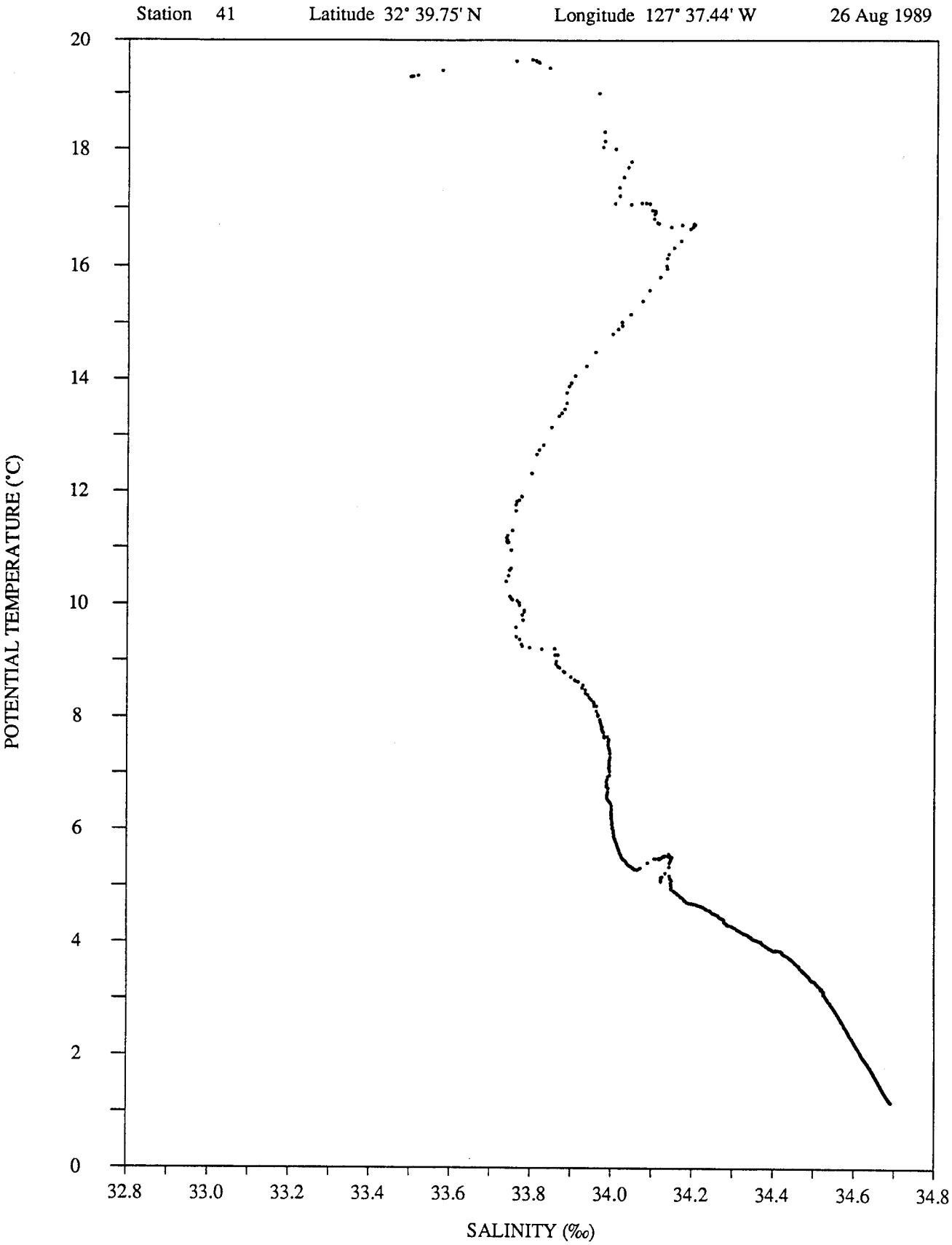
26.0
27.0
28.0


Station 41
Latitude 32° 39.75' N
Longitude 127° 37.44' W
26 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
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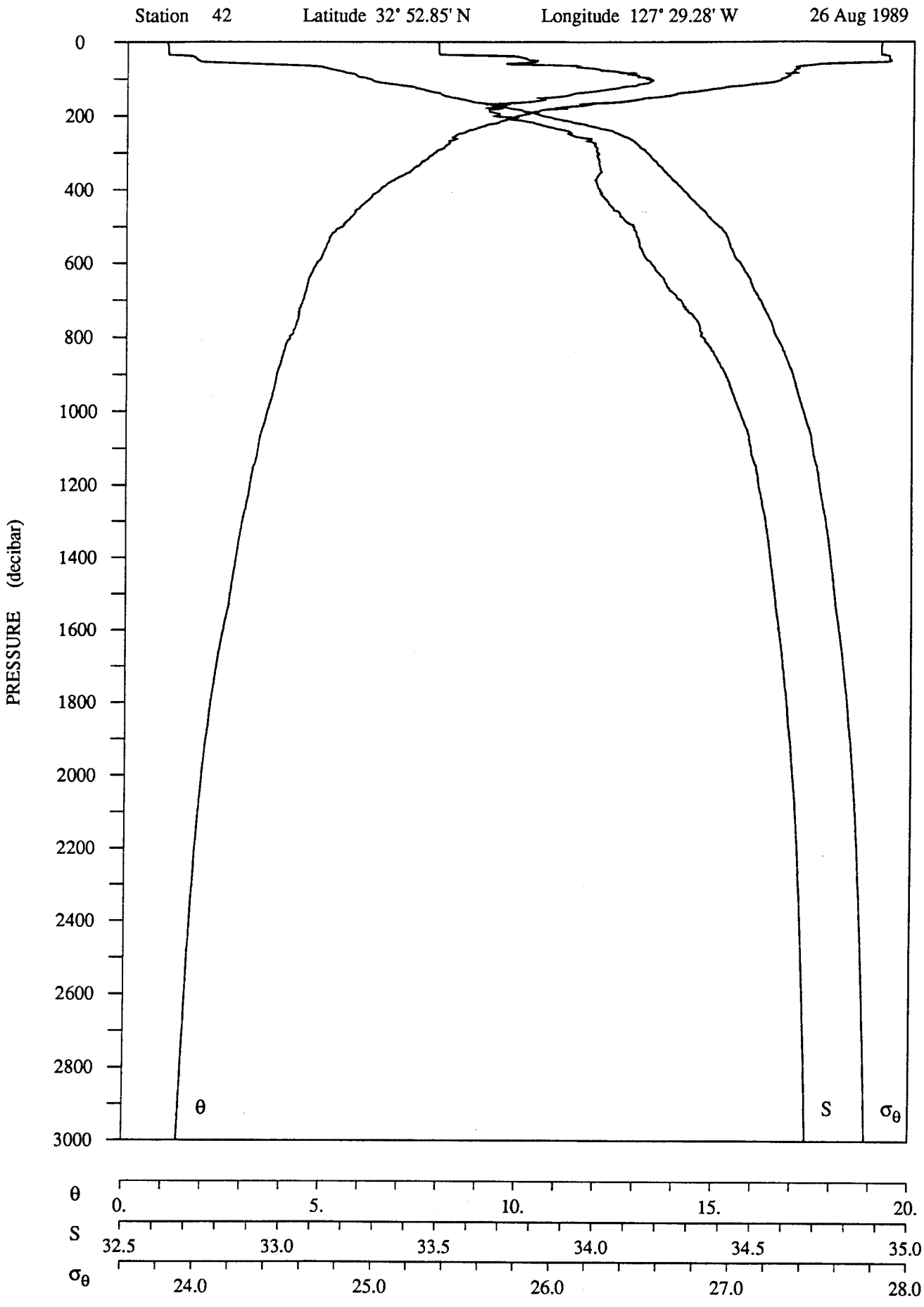
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 42
Latitude 32° 52.85' N
Longitude 127° 29.28' W
26 Aug 1989
PRESSURE (decibar)
0
200
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1200
1400
1600
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2200
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34.5
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24.0
25.0
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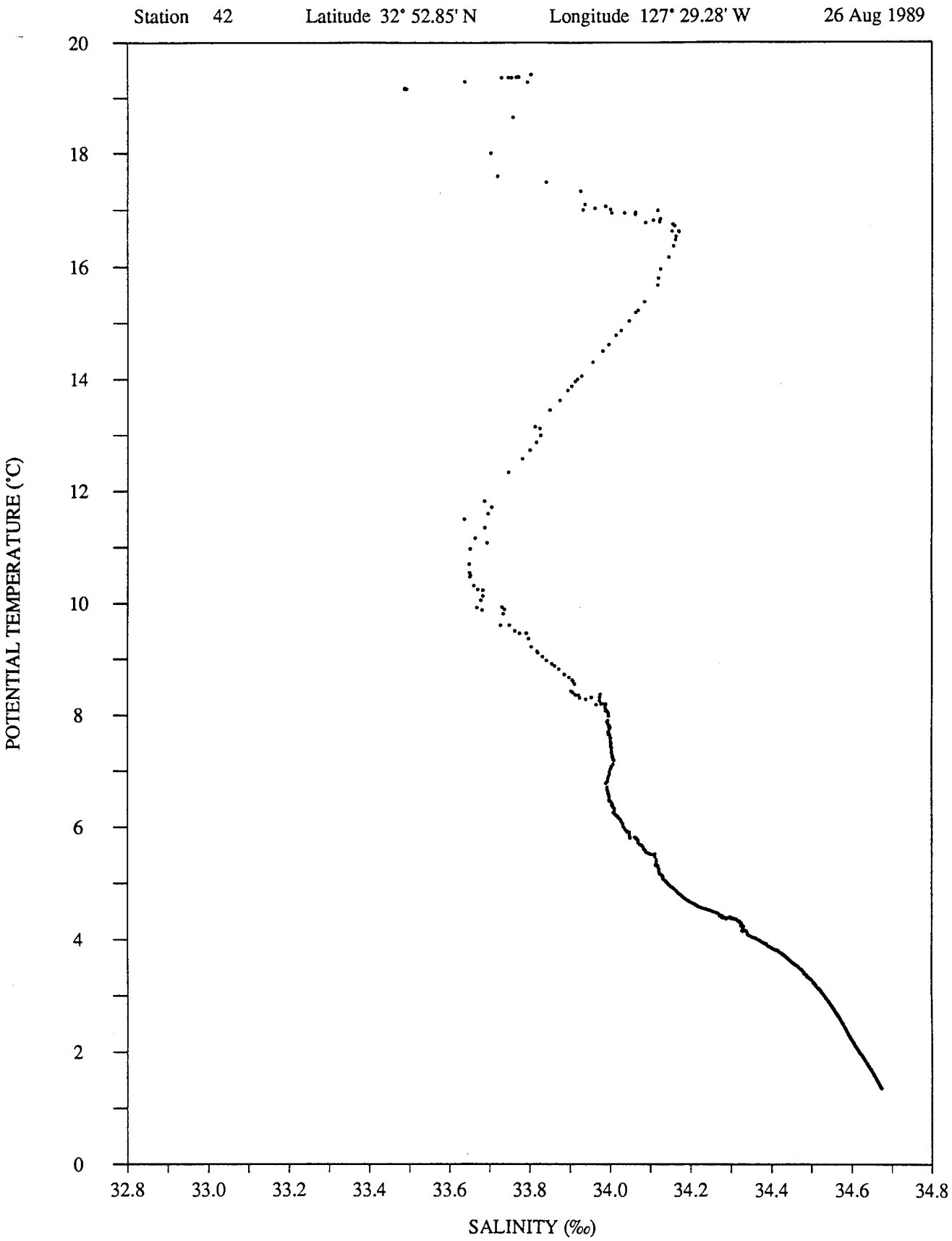
Station 42
Latitude 32° 52.85' N
Longitude 127° 29.28' W
26 Aug 1989
POTENTIAL TEMPERATURE (°C)
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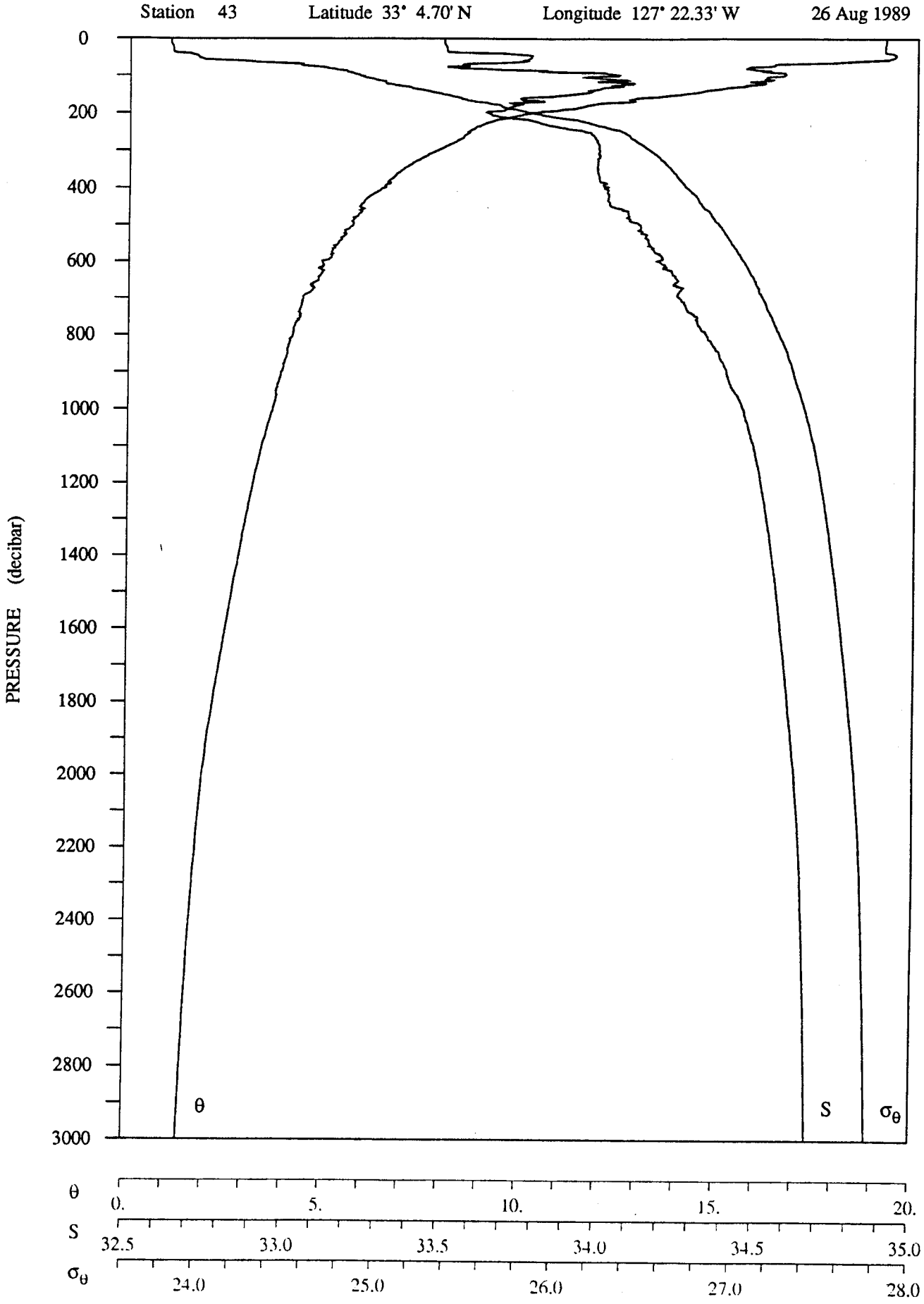
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 43
Latitude 33° 4.70' N
Longitude 127° 22.33' W
26 Aug 1989
PRESSURE (decibar)
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33.5
34.0
34.5
35.0
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24.0
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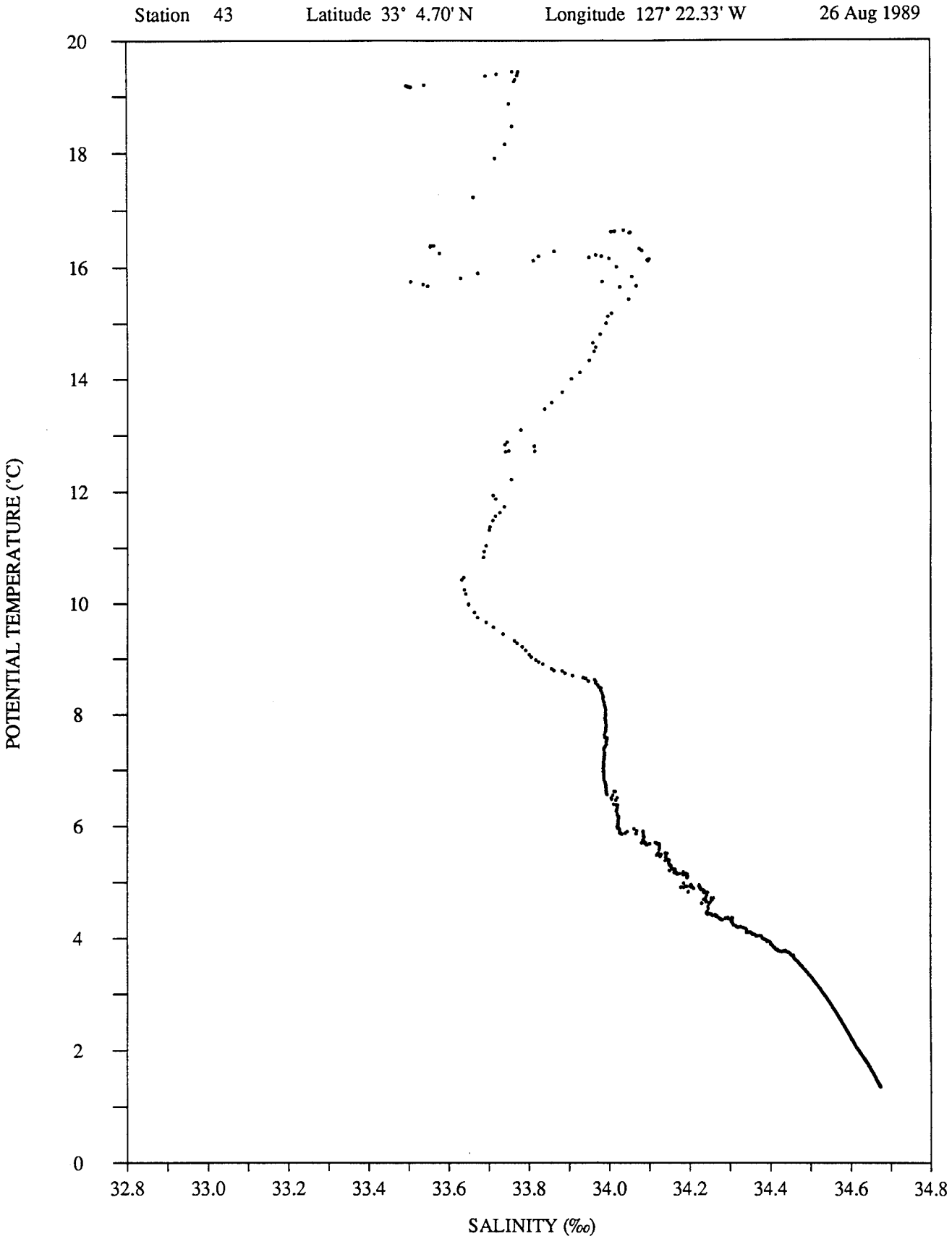
27.0
28.0


Station 43
Latitude 33° 4.70' N
Longitude 127° 22.33' W
26 Aug 1989
POTENTIAL TEMPERATURE (°C)
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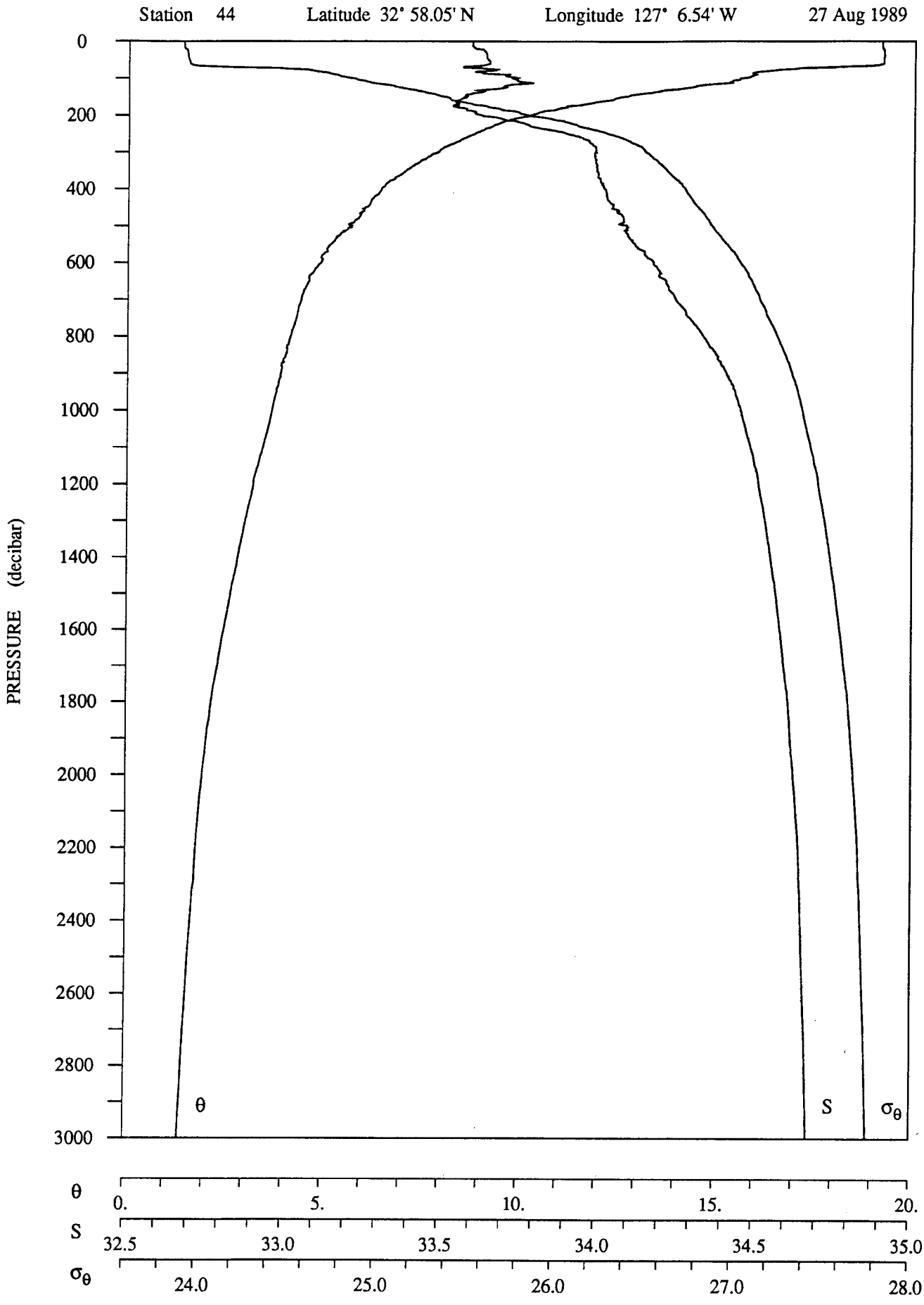
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 44
Latitude 32° 58.05' N
Longitude 127° 6.54' W
27 Aug 1989
PRESSURE (decibar)
0
200
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1000
1200
1400
1600
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2600
2800
3000
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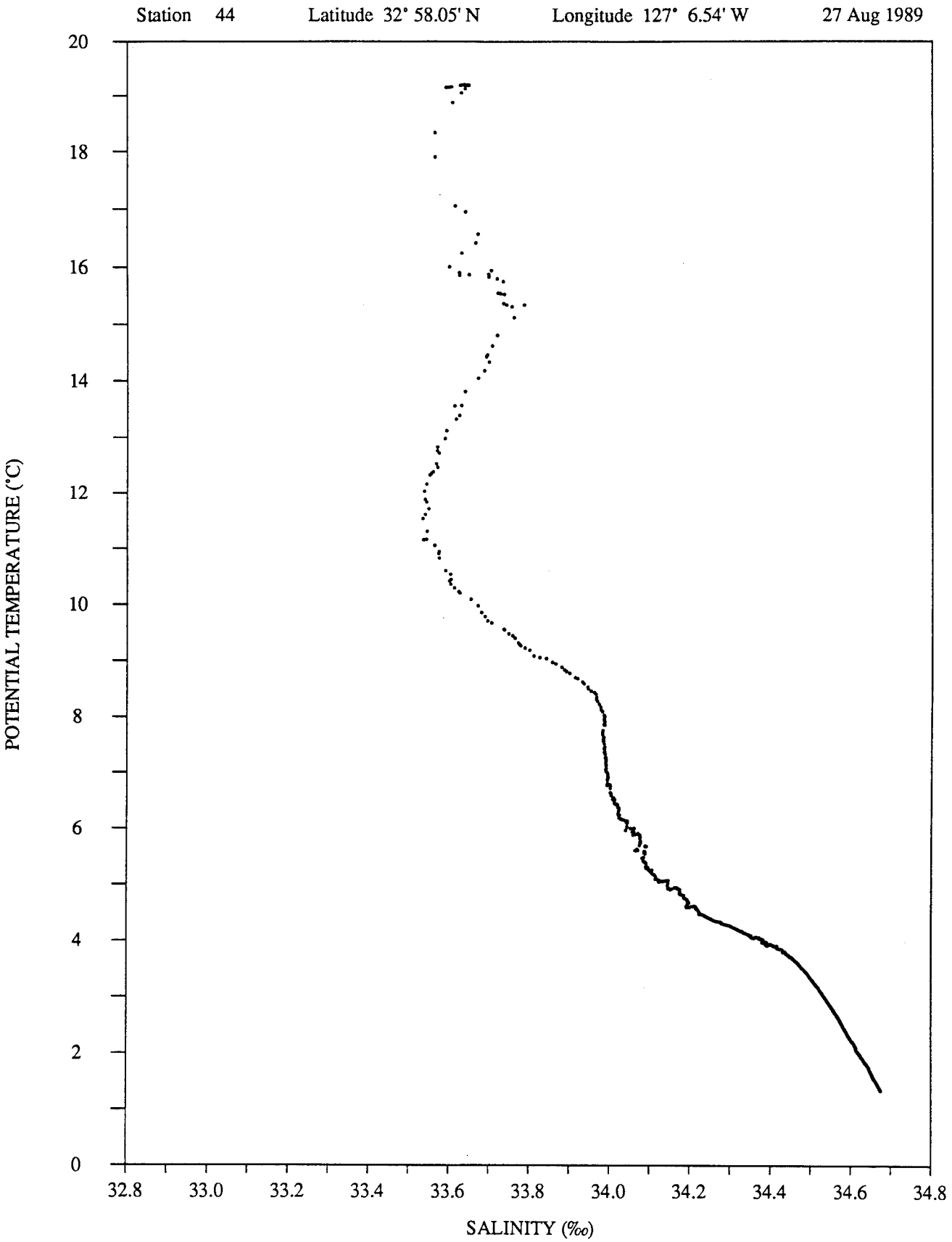
28.0


Station 44
Latitude 32° 58.05' N
Longitude 127° 6.54' W
27 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
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12
10
8
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33.0
33.2
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33.8
34.0
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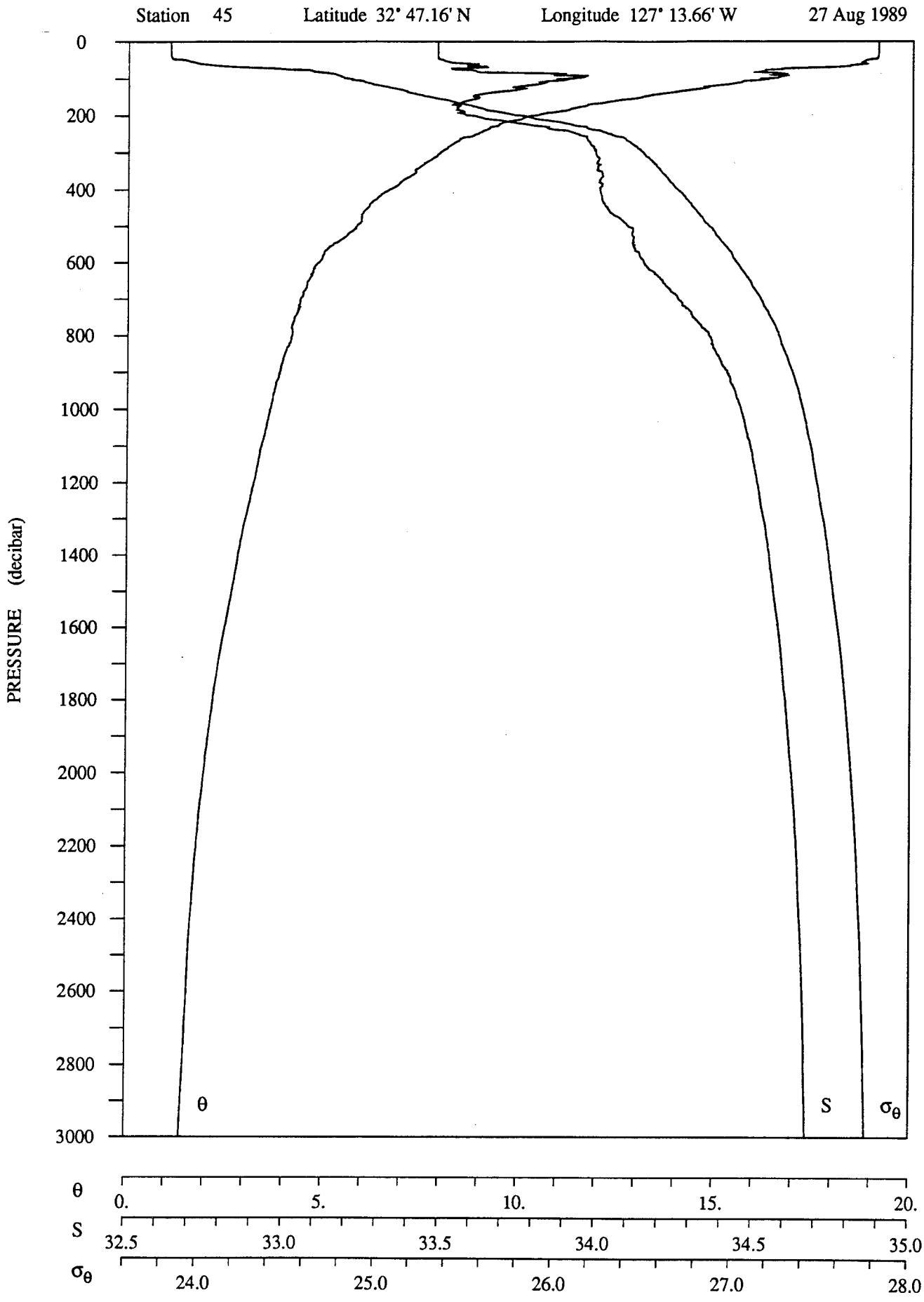
34.8
SALINITY (‰)


Station 45
Latitude 32° 47.16' N
Longitude 127° 13.66' W
27 Aug 1989
PRESSURE (decibar)
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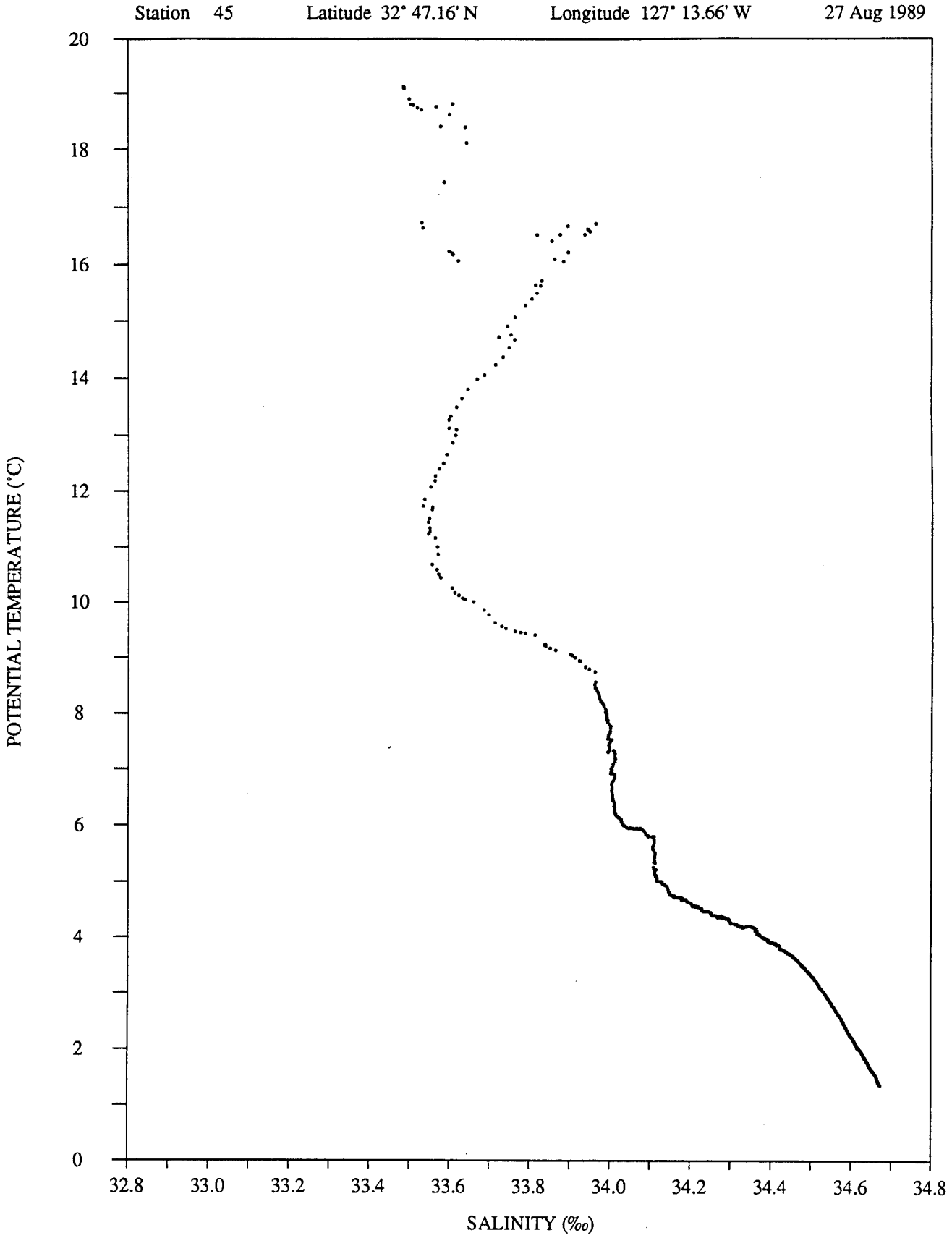
Station 45
Latitude 32° 47.16' N
Longitude 127° 13.66' W
27 Aug 1989
POTENTIAL TEMPERATURE (°C)
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33.2
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33.8
34.0
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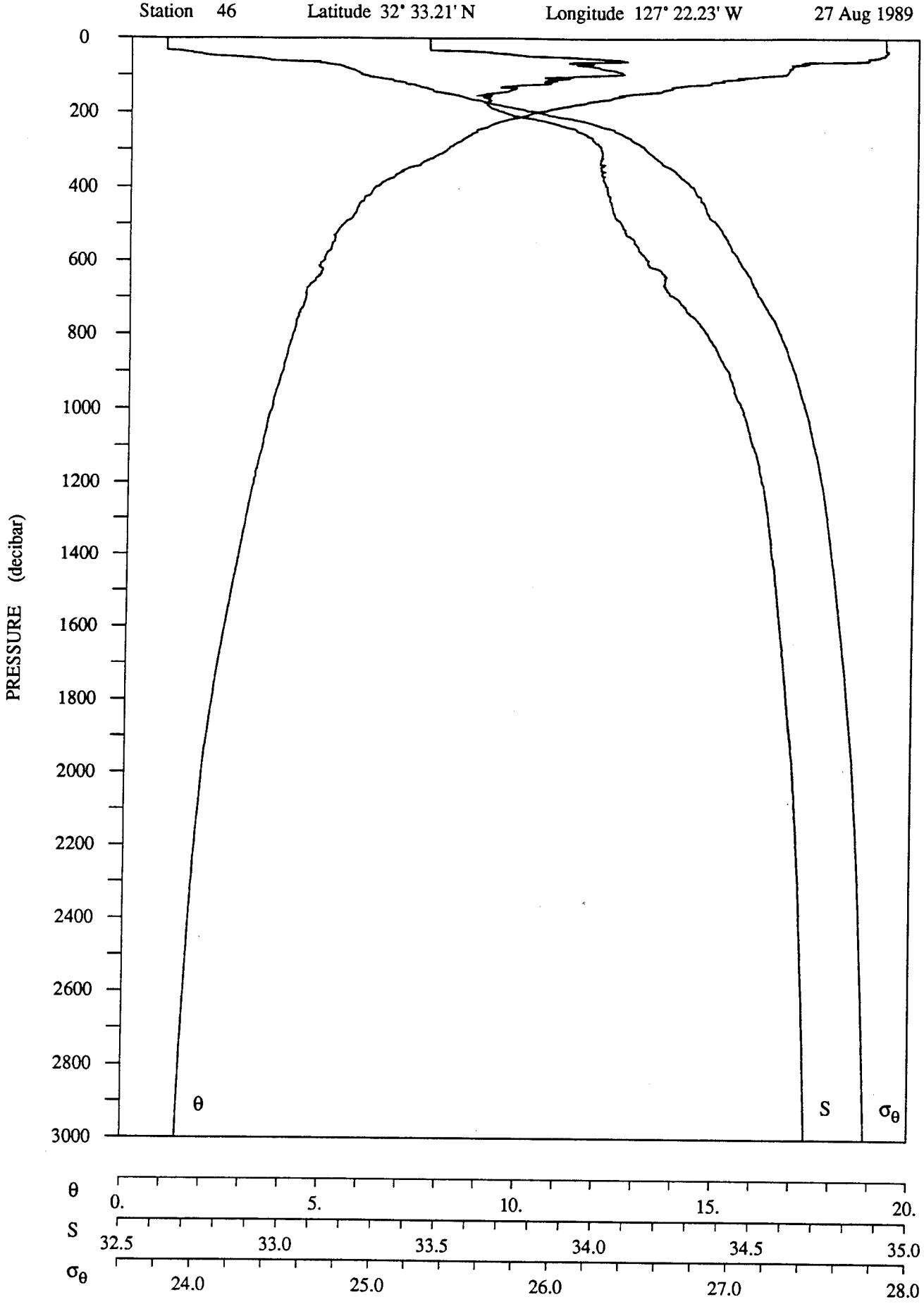
34.4
34.6
34.8
SALINITY (‰)


Station 46
Latitude 32° 33.21' N
Longitude 127° 22.23' W
27 Aug 1989
PRESSURE (decibar)
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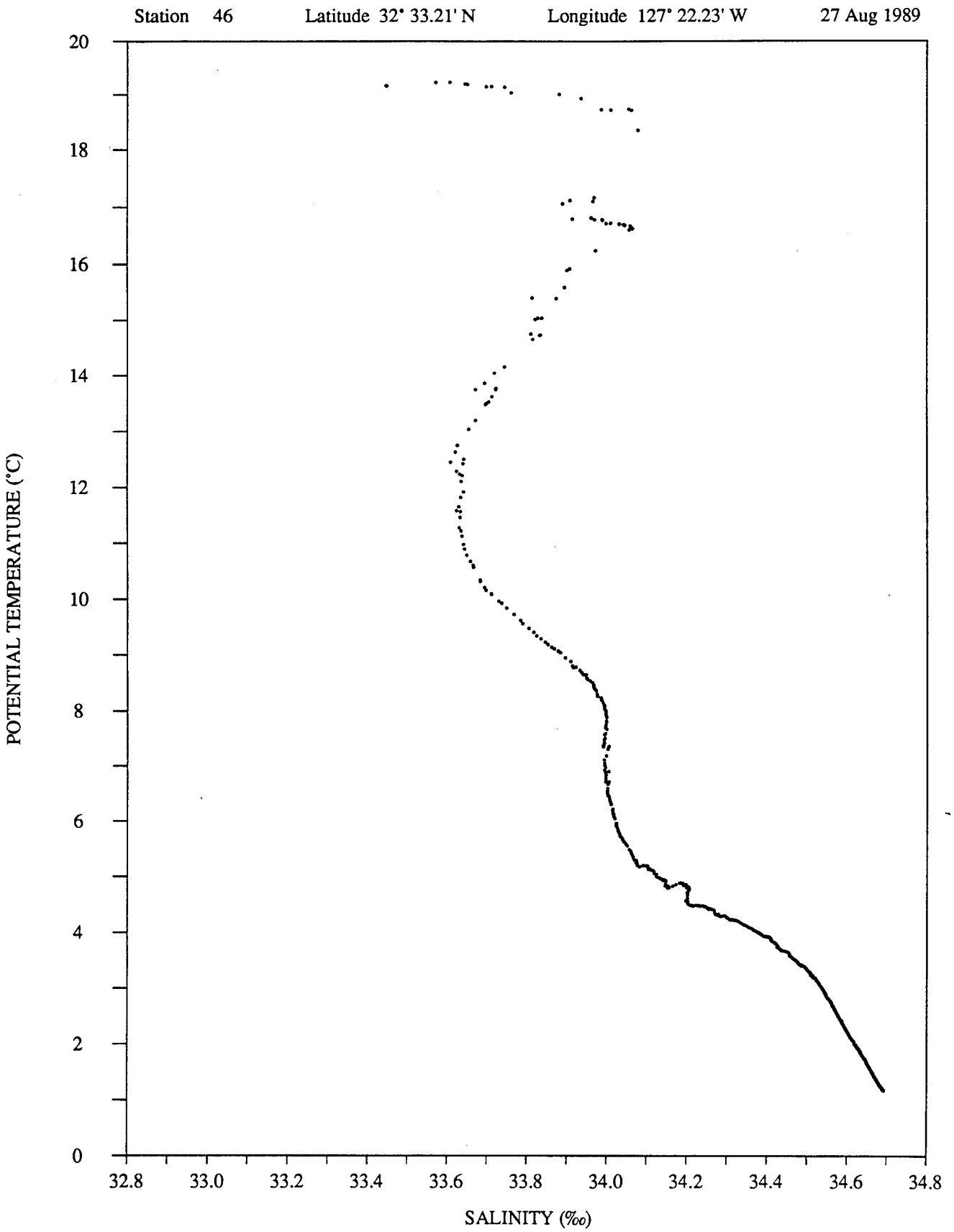
Station 46
Latitude 32° 33.21' N
Longitude 127° 22.23' W
27 Aug 1989
POTENTIAL TEMPERATURE (°C)
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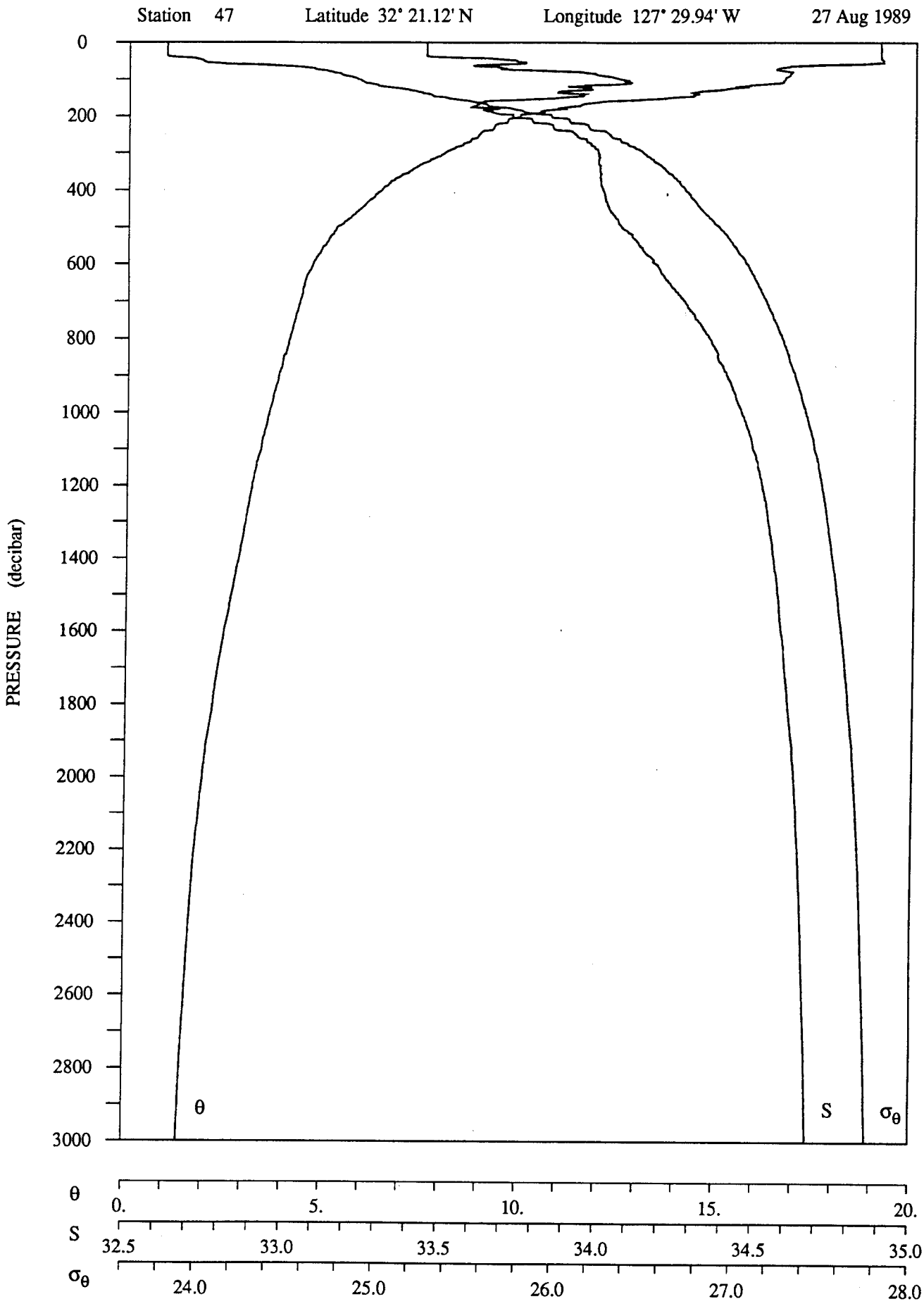
SALINITY (‰)


Station 47
Latitude 32° 21.12' N
Longitude 127° 29.94' W
27 Aug 1989
PRESSURE (decibar)
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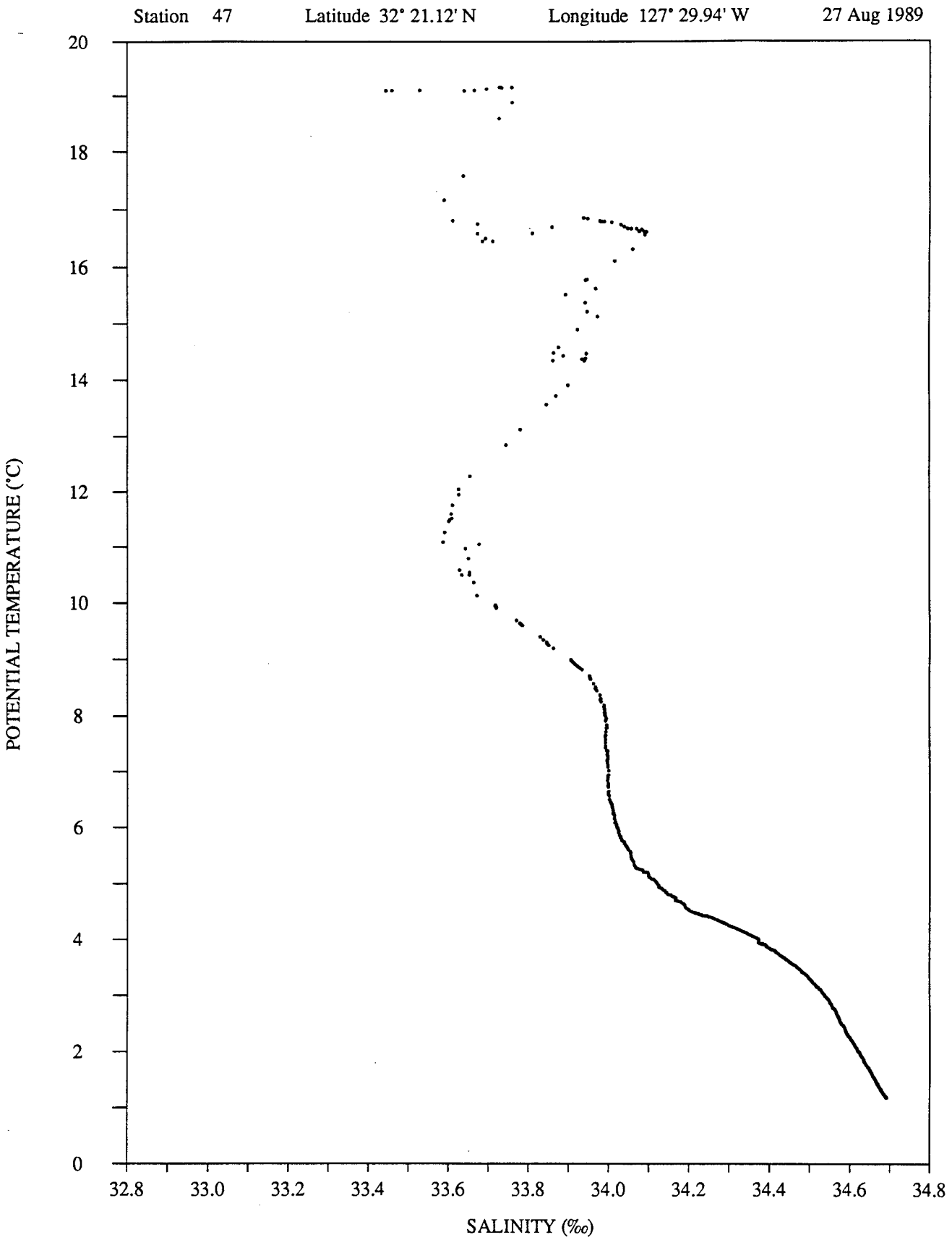
Station 47
Latitude 32° 21.12' N
Longitude 127° 29.94' W
27 Aug 1989
POTENTIAL TEMPERATURE (°C)
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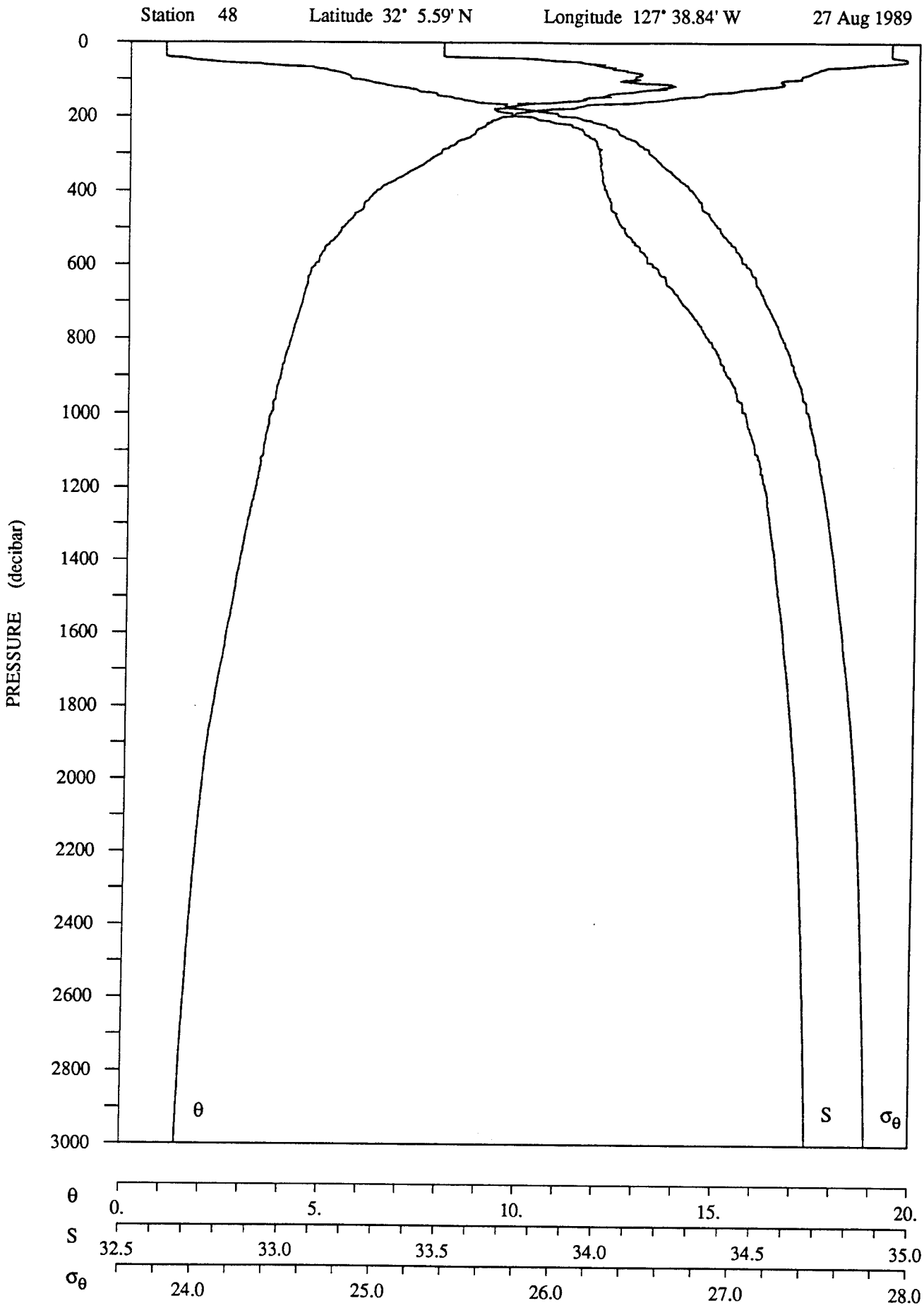
SALINITY (‰)


Station 48
Latitude 32° 5.59' N
Longitude 127° 38.84' W
27 Aug 1989
PRESSURE (decibar)
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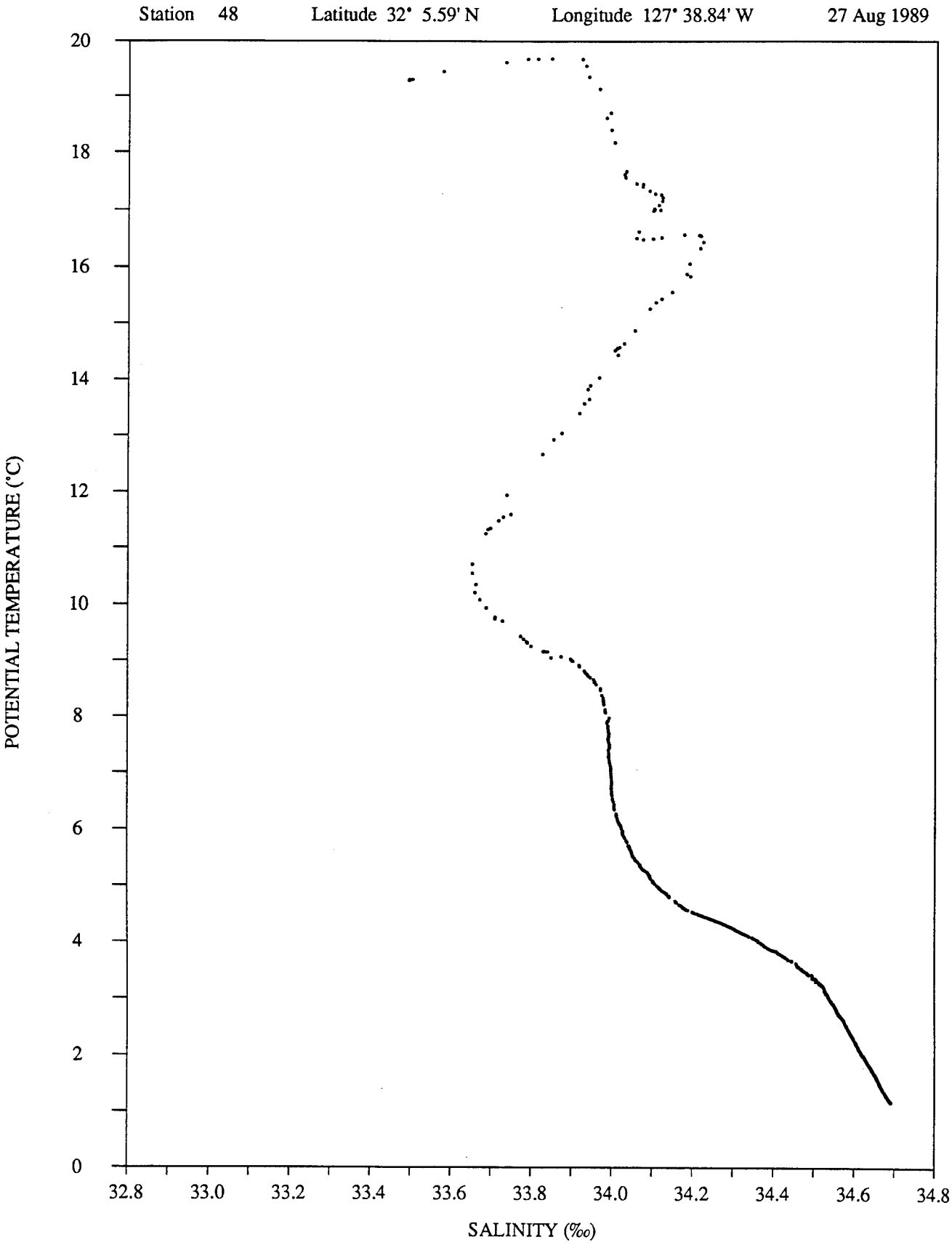
Station 48
Latitude 32° 5.59' N
Longitude 127° 38.84' W
27 Aug 1989
POTENTIAL TEMPERATURE (°C)
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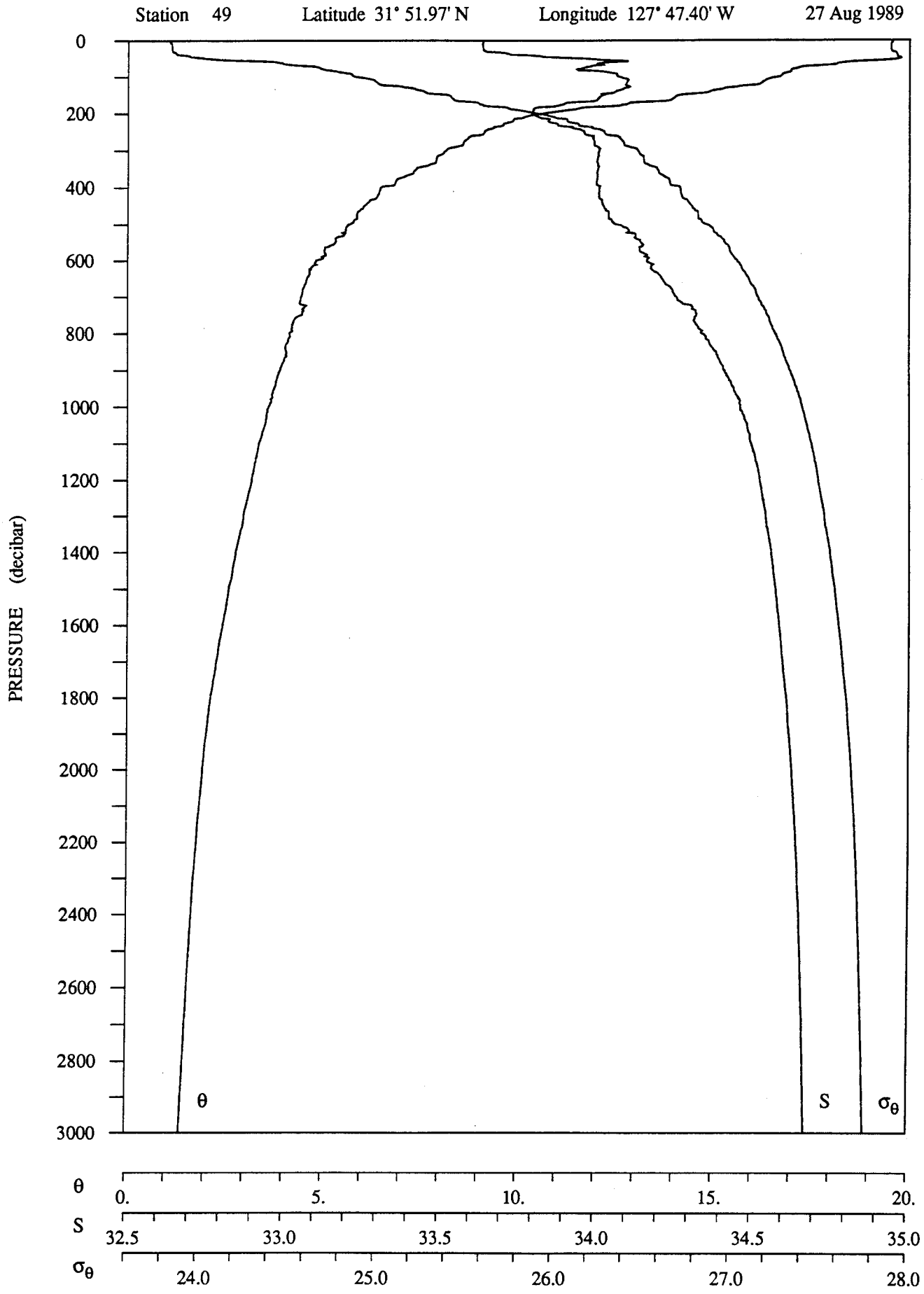
34.8
SALINITY (‰)


Station 49
Latitude 31° 51.97' N
Longitude 127° 47.40' W
27 Aug 1989
PRESSURE (decibar)
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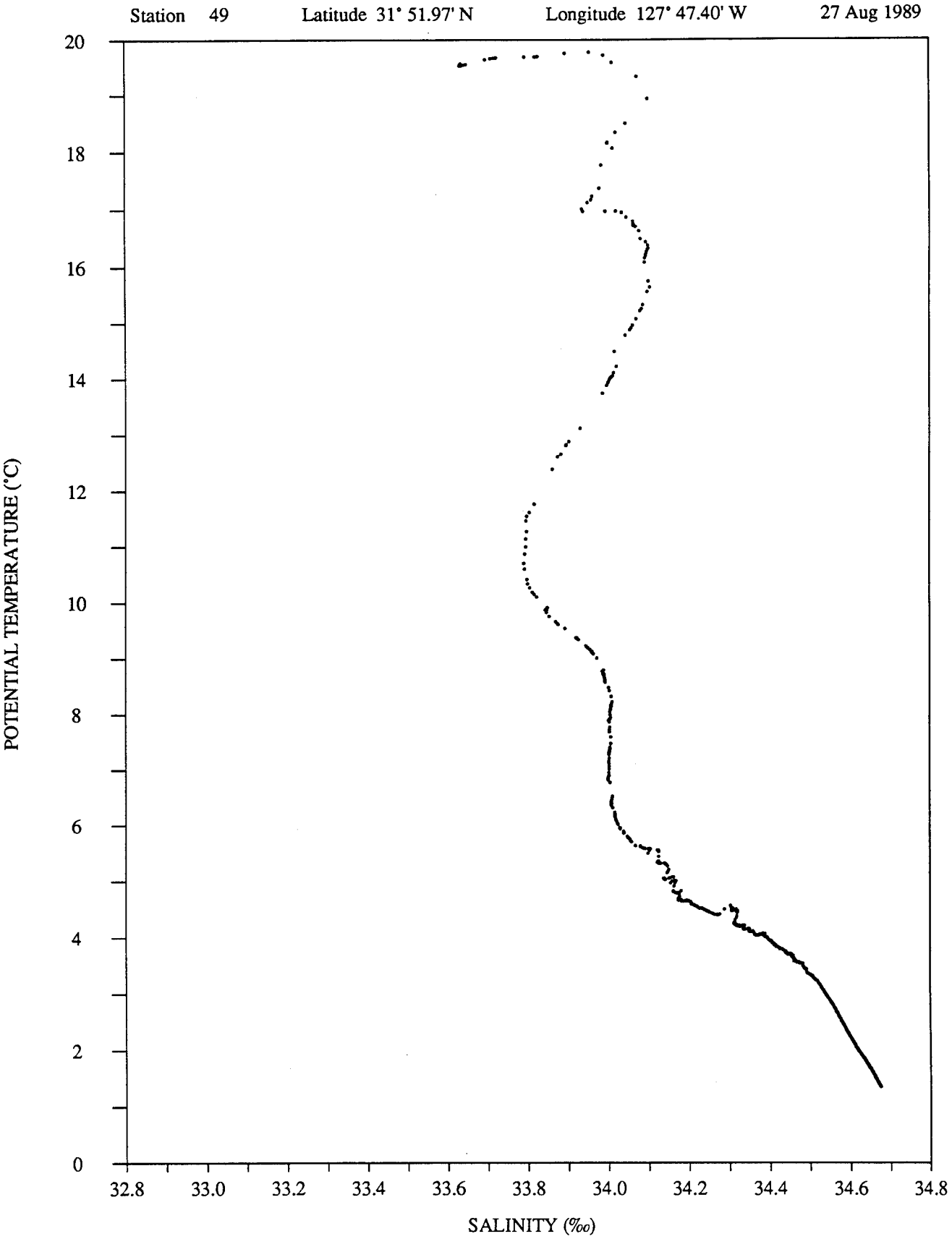
Station 49
Latitude 31° 51.97' N
Longitude 127° 47.40' W
27 Aug 1989
POTENTIAL TEMPERATURE (°C)
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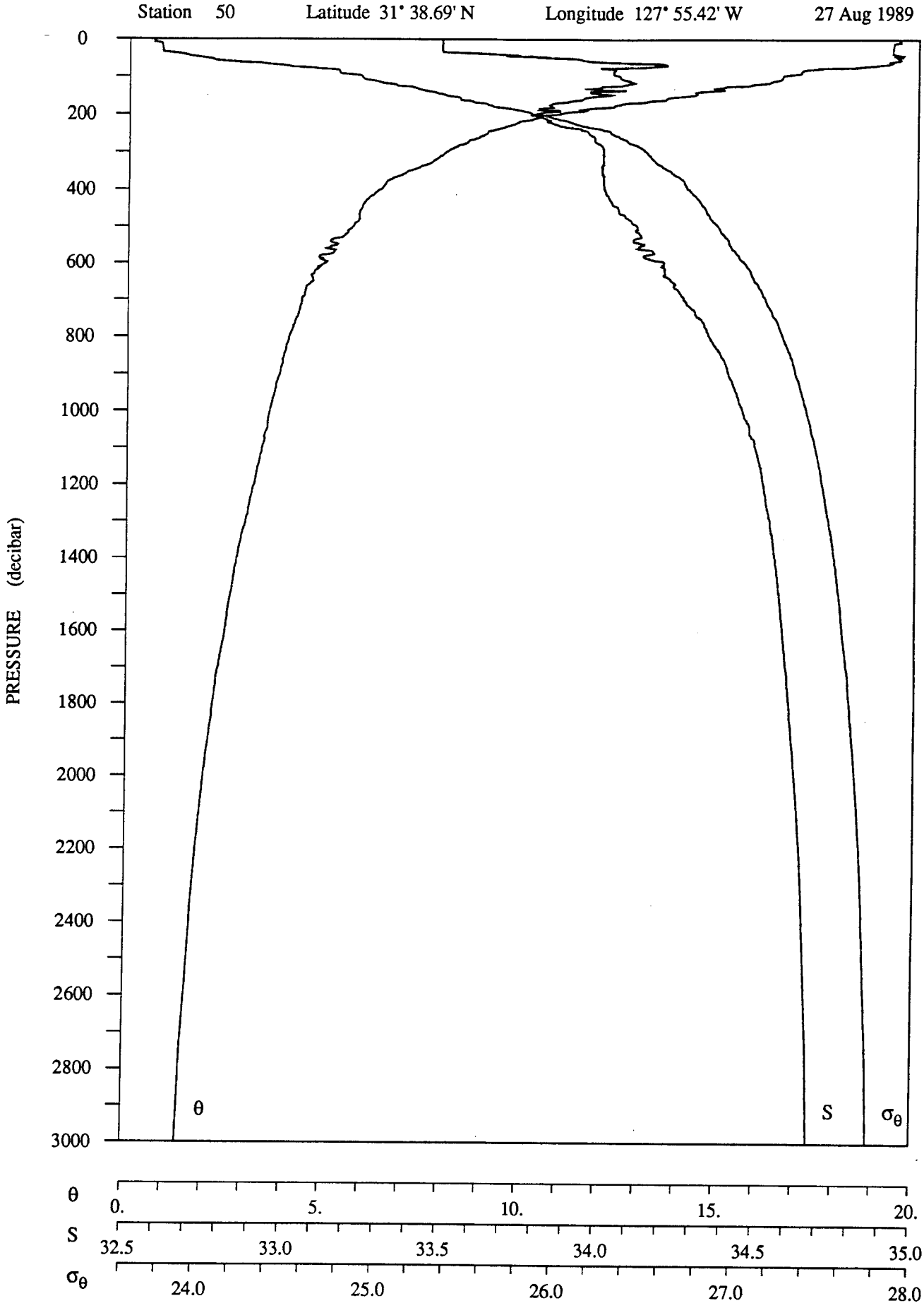
34.8
SALINITY (‰)


Station 50
Latitude 31° 38.69' N
Longitude 127° 55.42' W
27 Aug 1989
PRESSURE (decibar)
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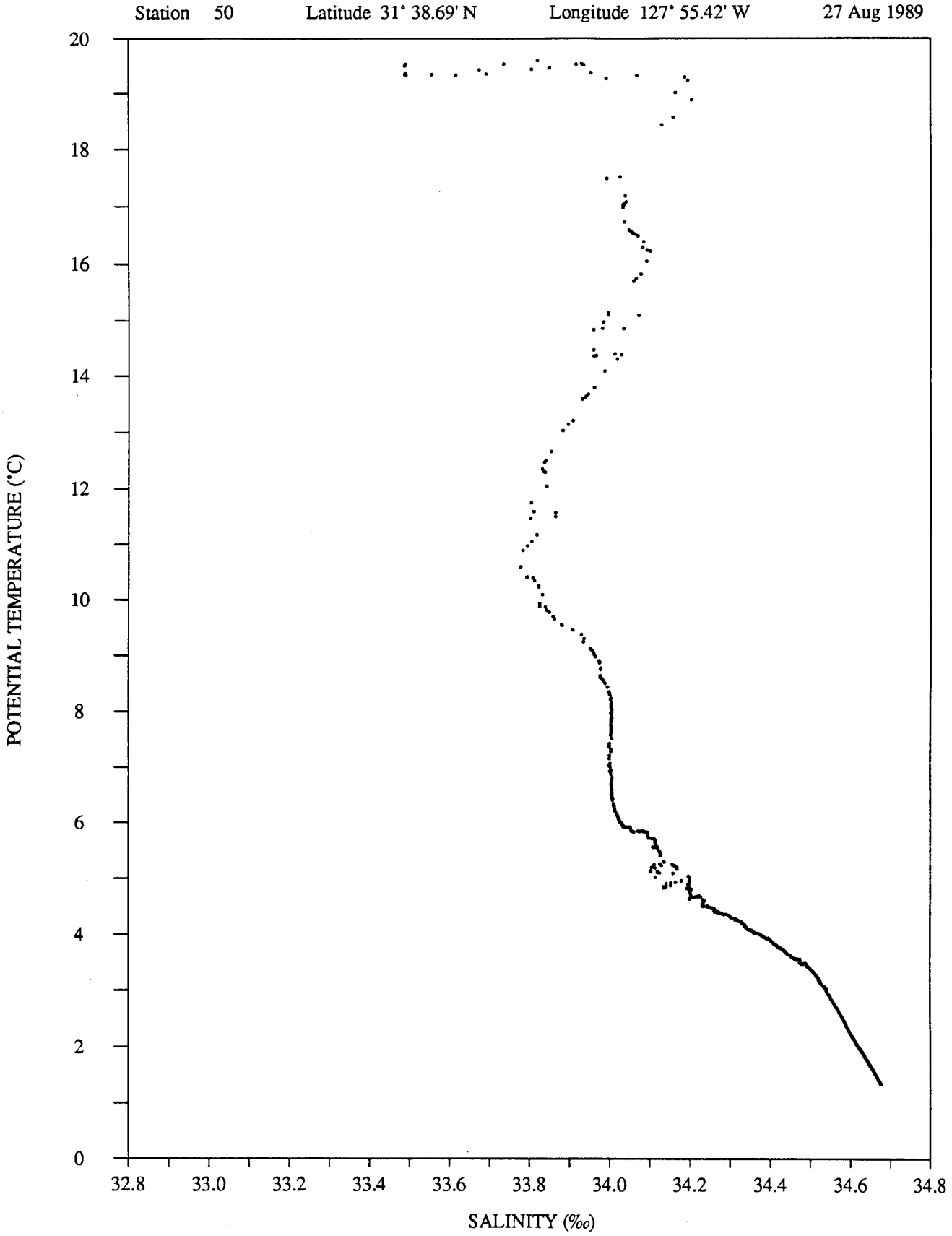
Station 50
Latitude 31° 38.69' N
Longitude 127° 55.42' W
27 Aug 1989
POTENTIAL TEMPERATURE (°C)
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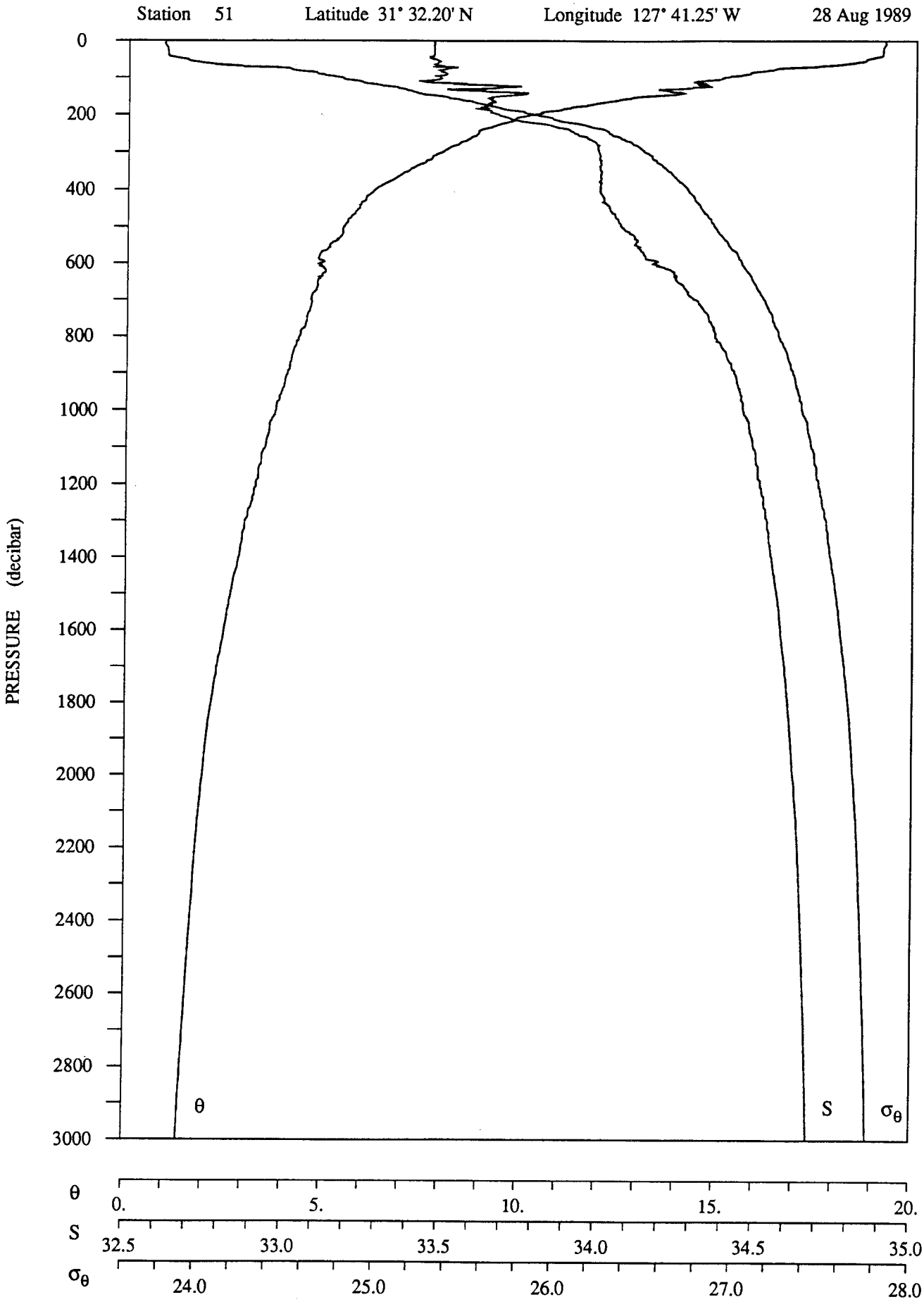
34.6
34.8
SALINITY (‰)


Station 51
Latitude 31° 32.20' N
Longitude 127° 41.25' W
28 Aug 1989
PRESSURE (decibar)
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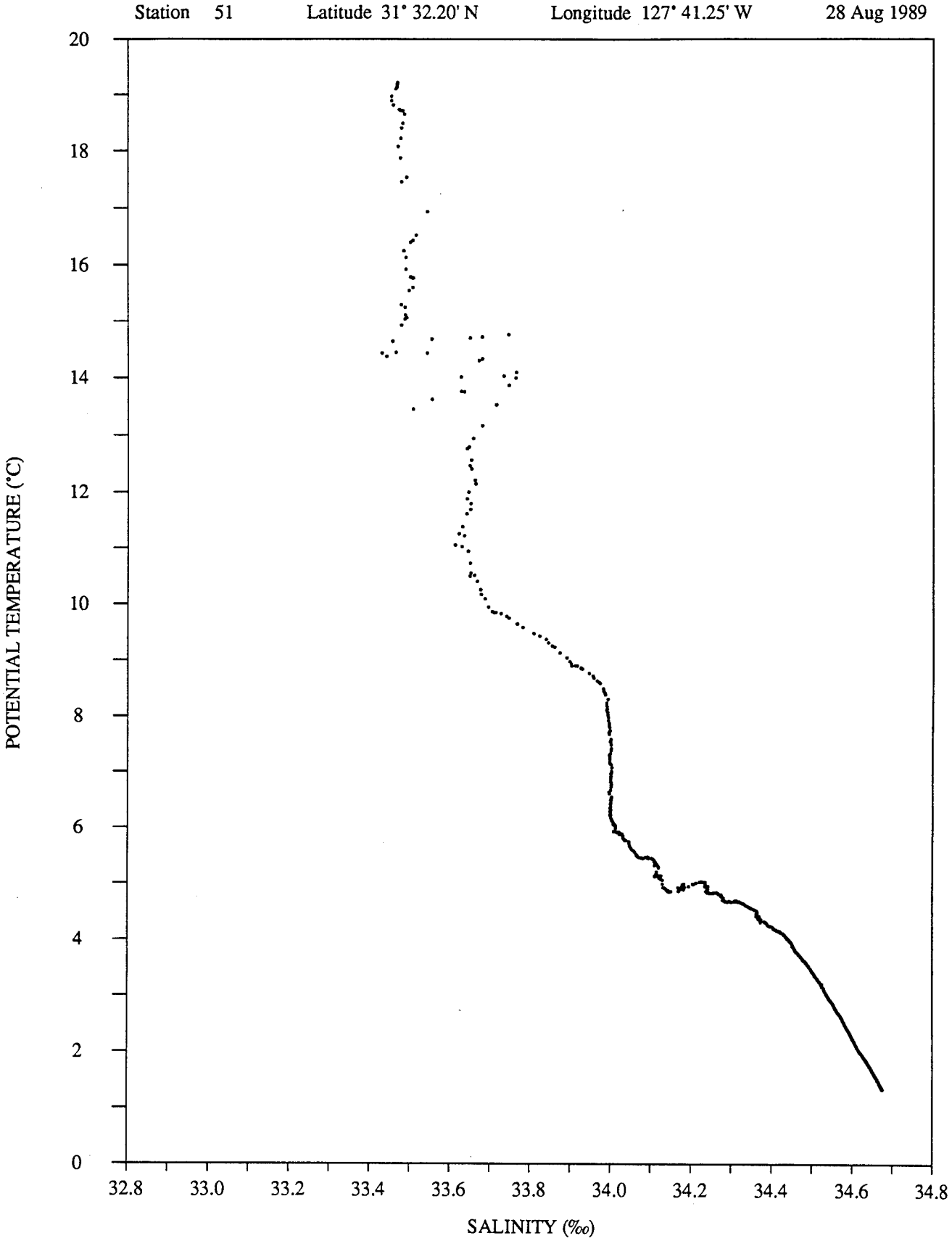
Station 51
Latitude 31° 32.20' N
Longitude 127° 41.25' W
28 Aug 1989
POTENTIAL TEMPERATURE (°C)
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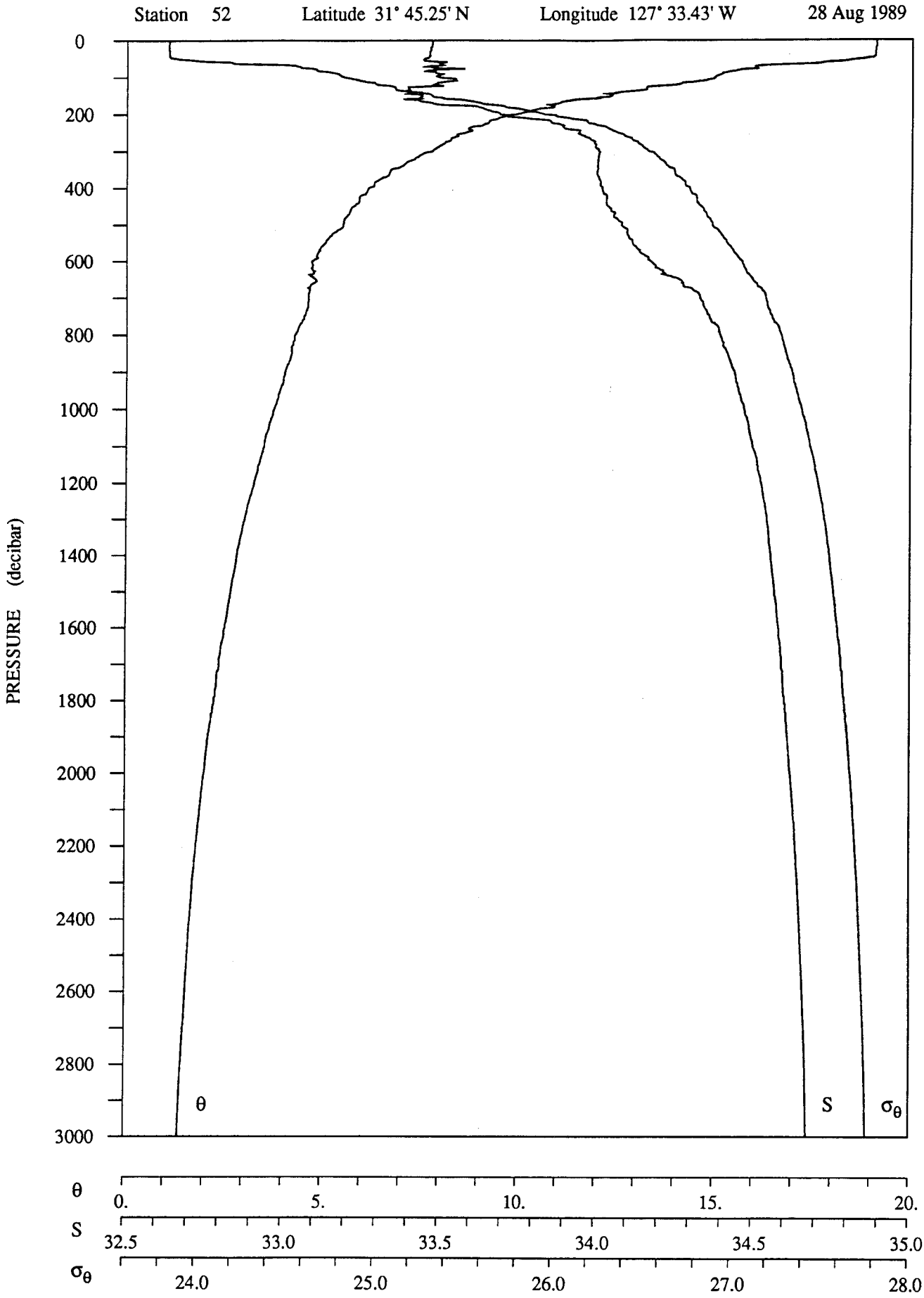
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 52
Latitude 31° 45.25' N
Longitude 127° 33.43' W
28 Aug 1989
PRESSURE (decibar)
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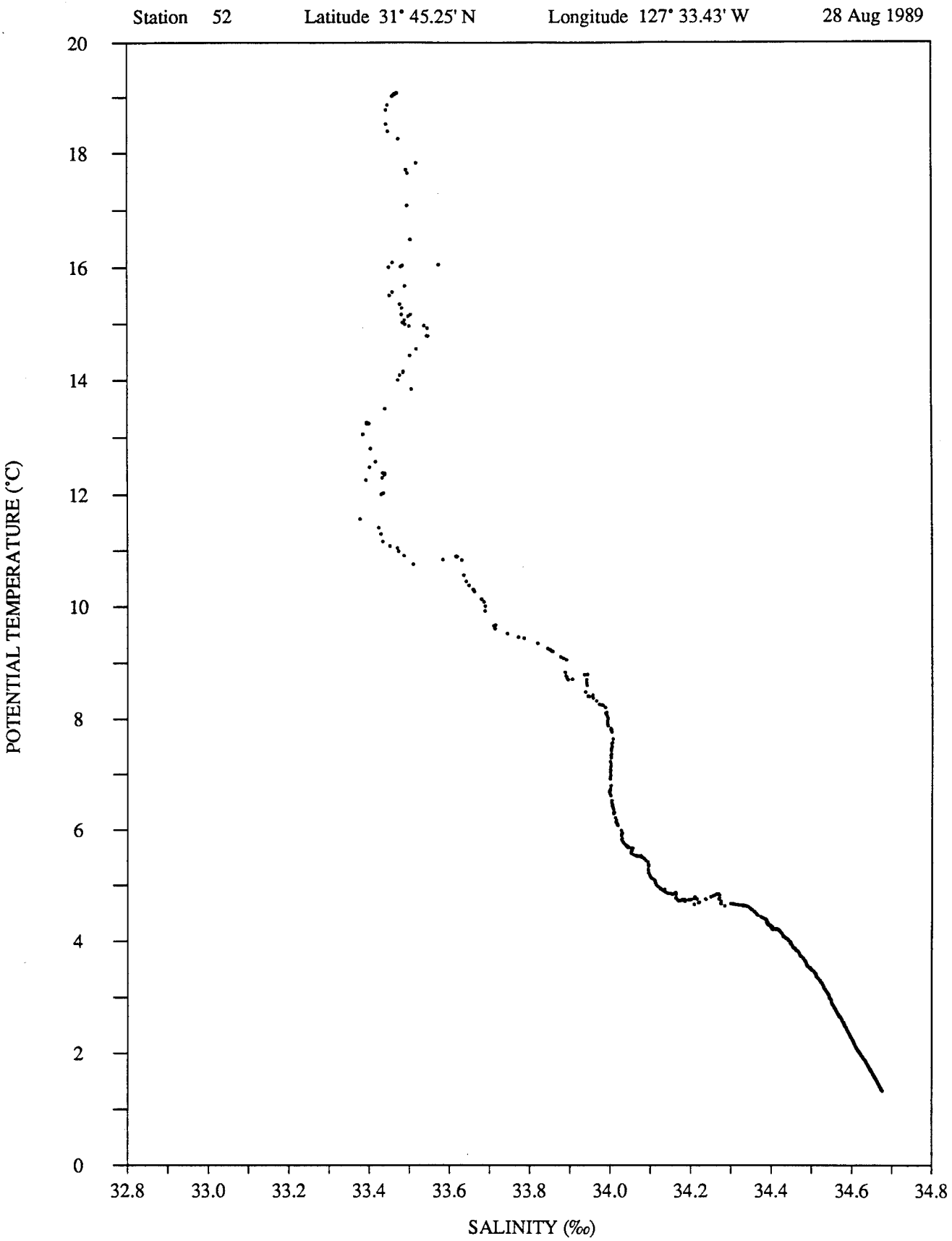
Station 52
Latitude 31° 45.25' N
Longitude 127° 33.43' W
28 Aug 1989
POTENTIAL TEMPERATURE (°C)
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32.8
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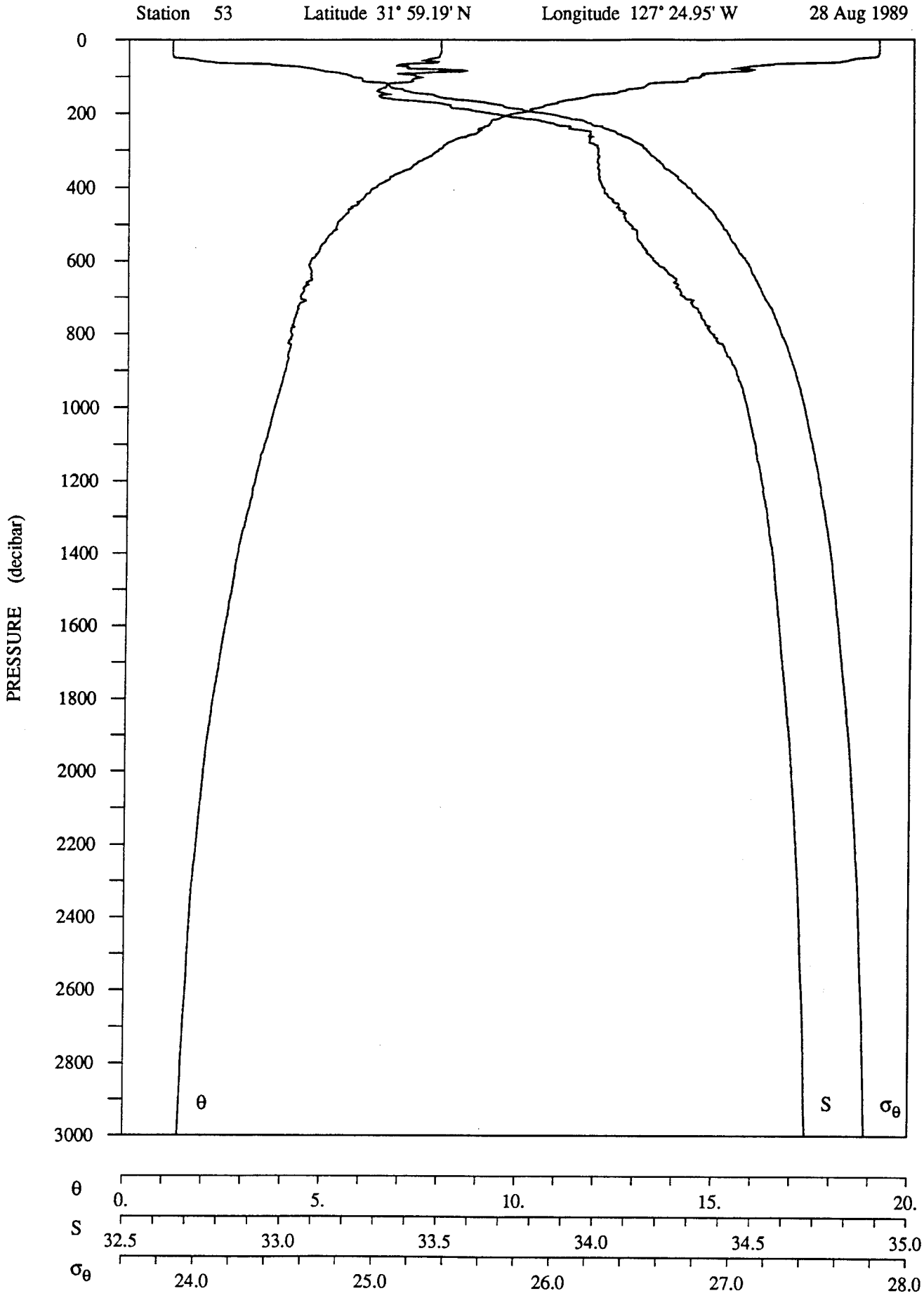
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 53
Latitude 31° 59.19' N
Longitude 127° 24.95' W
28 Aug 1989
PRESSURE (decibar)
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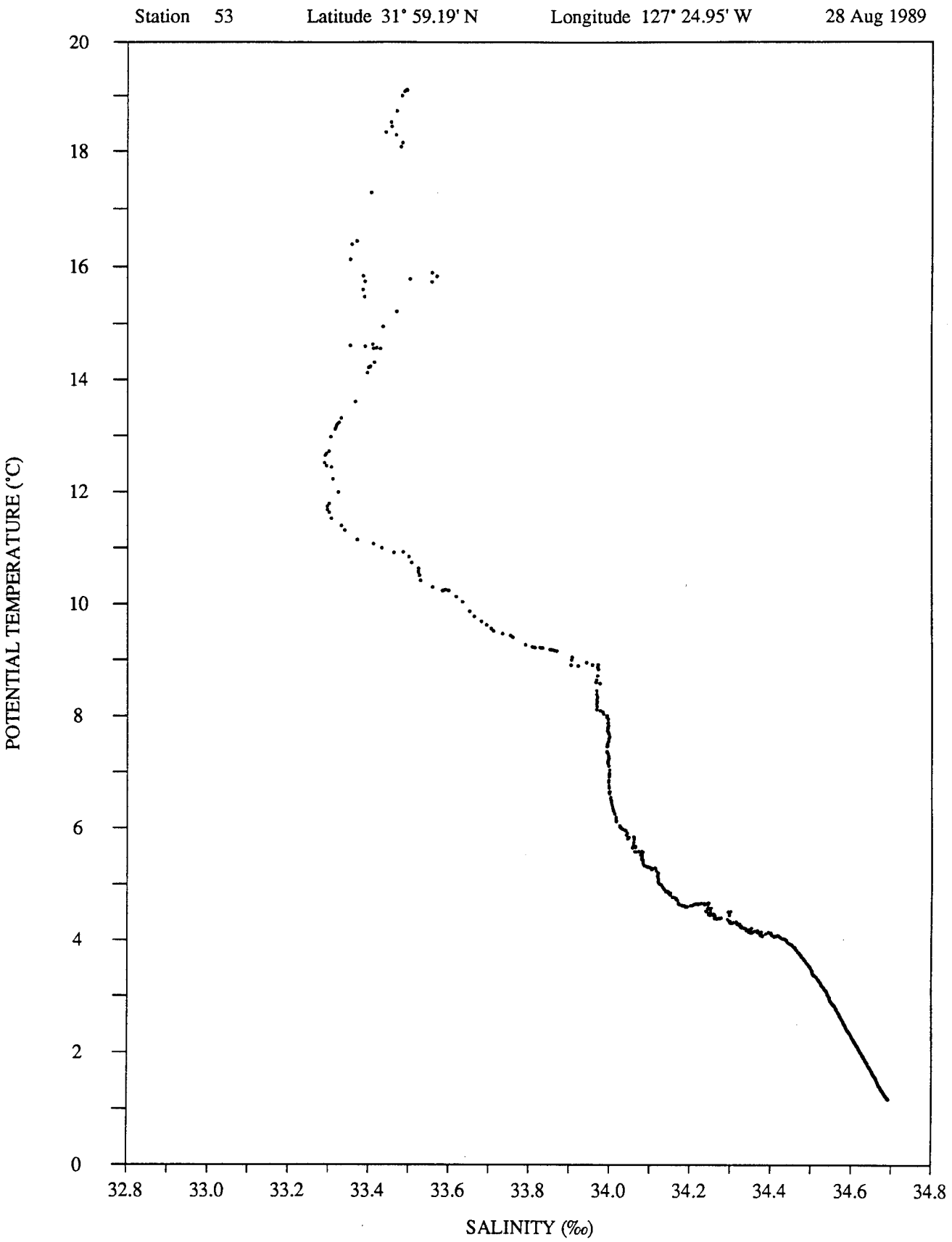
Station 53
Latitude 31° 59.19' N
Longitude 127° 24.95' W
28 Aug 1989
POTENTIAL TEMPERATURE (°C)
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32.8
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33.2
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33.6
33.8
34.0
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34.4
34.6
34.8
SALINITY (‰)

Station 54
Latitude 32° 12.13' N
Longitude 127° 17.09' W
28 Aug 1989
PRESSURE (decibar)
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1000
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1400
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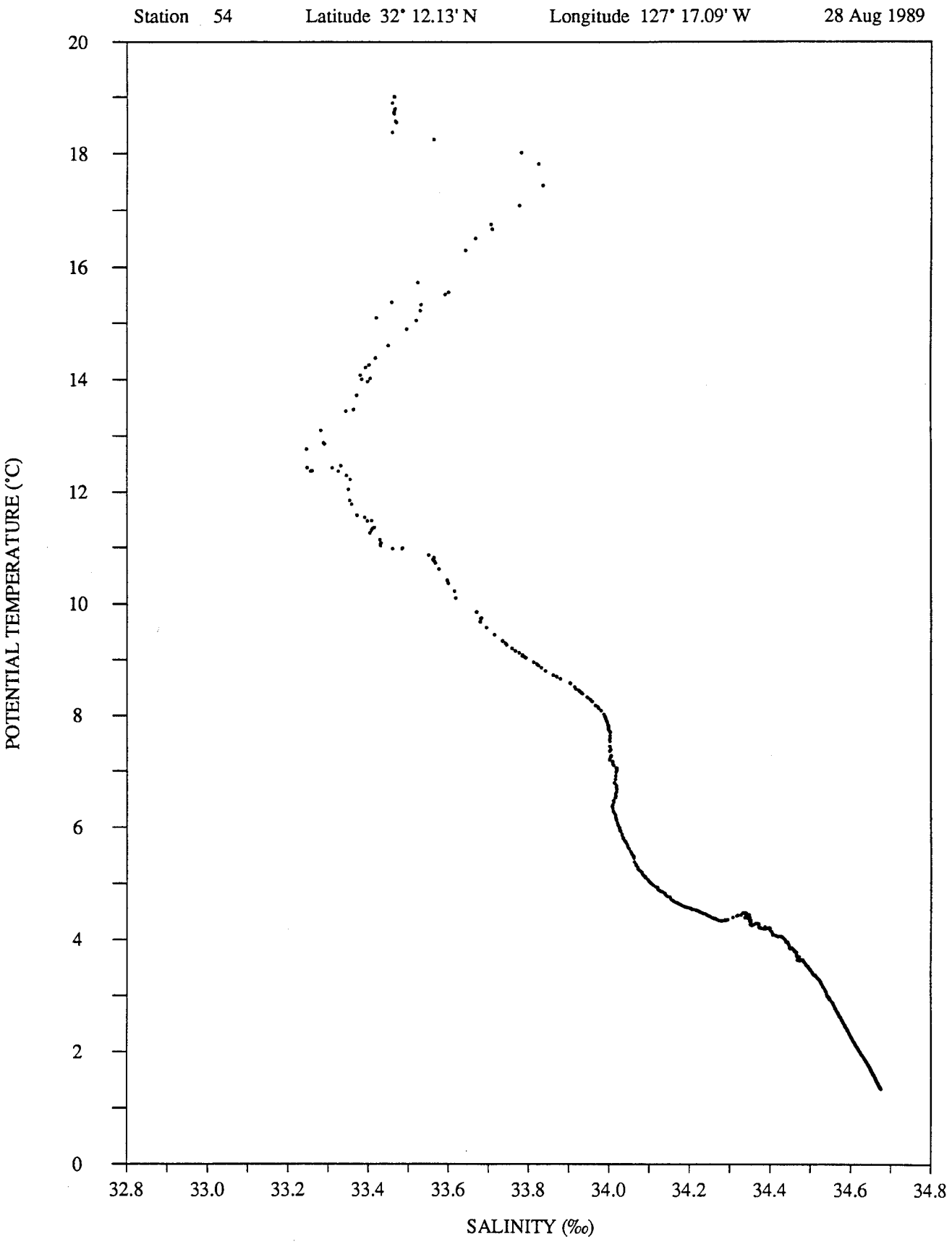
Station 54
Latitude 32° 12.13' N
Longitude 127° 17.09' W
28 Aug 1989
POTENTIAL TEMPERATURE (°C)
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32.8
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33.2
33.4
33.6
33.8
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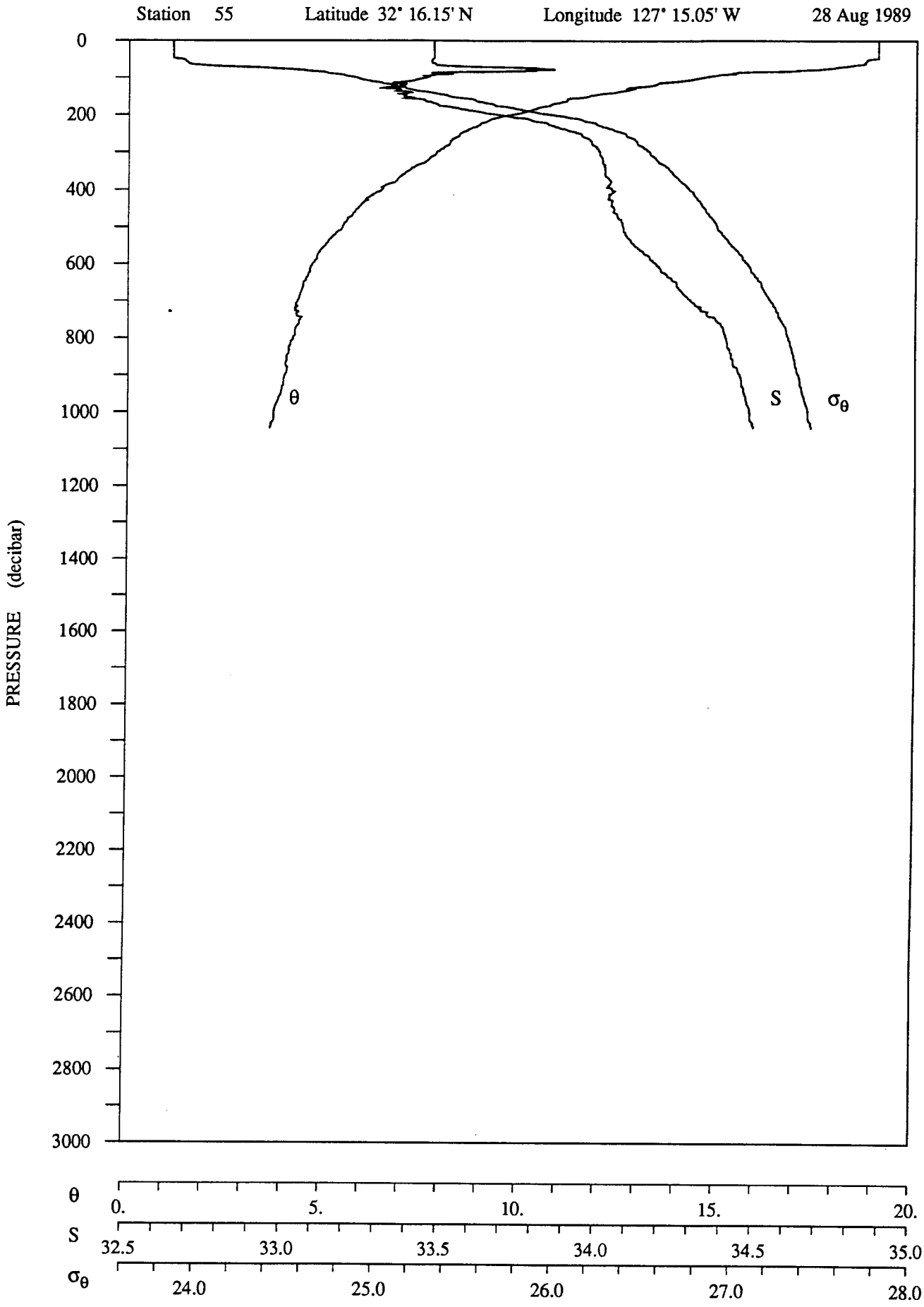
34.6
34.8
SALINITY (‰)


Station 55
Latitude 32° 16.15' N
Longitude 127° 15.05' W
28 Aug 1989
PRESSURE (decibar)
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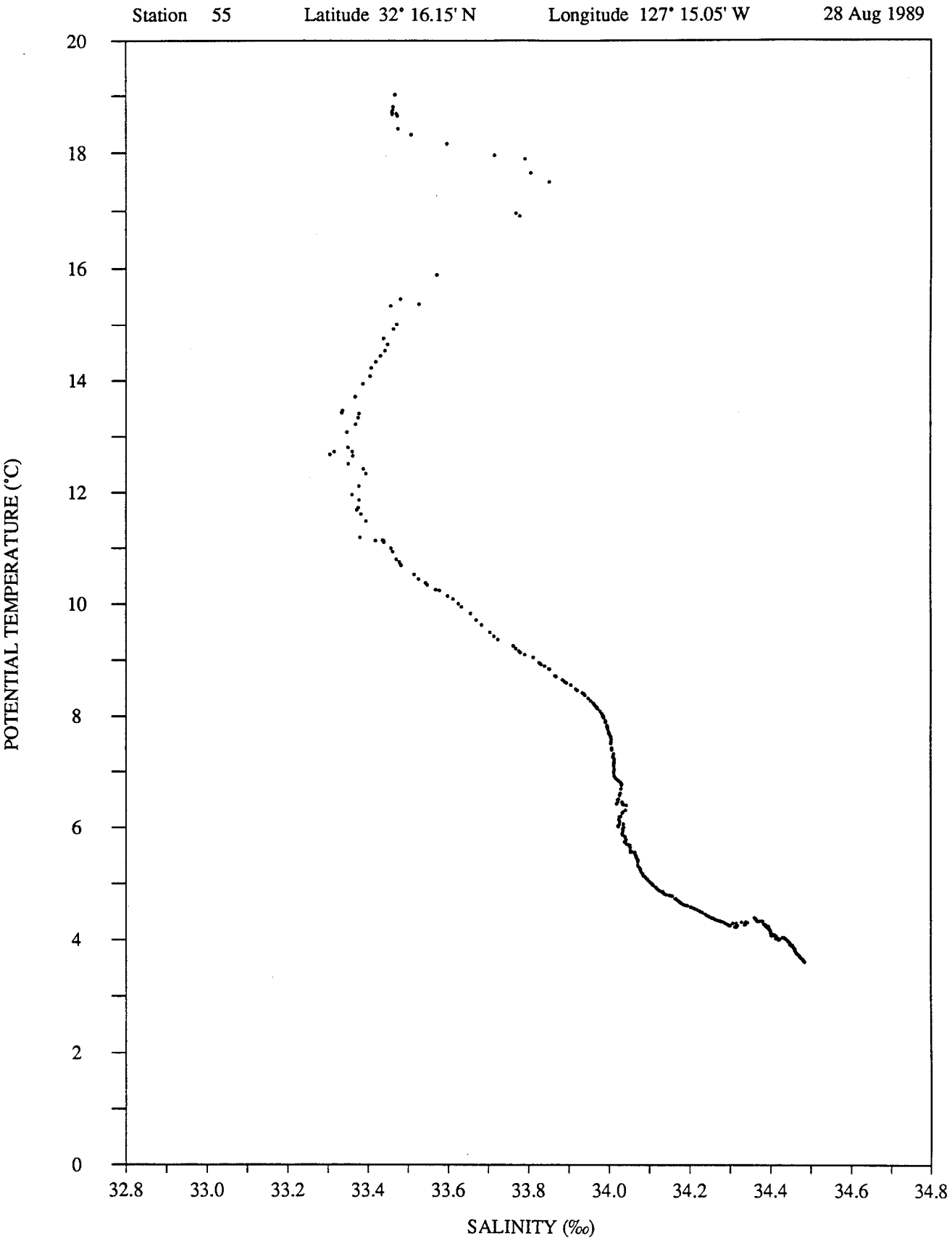
Station 55
Latitude 32° 16.15' N
Longitude 127° 15.05' W
28 Aug 1989
POTENTIAL TEMPERATURE (°C)
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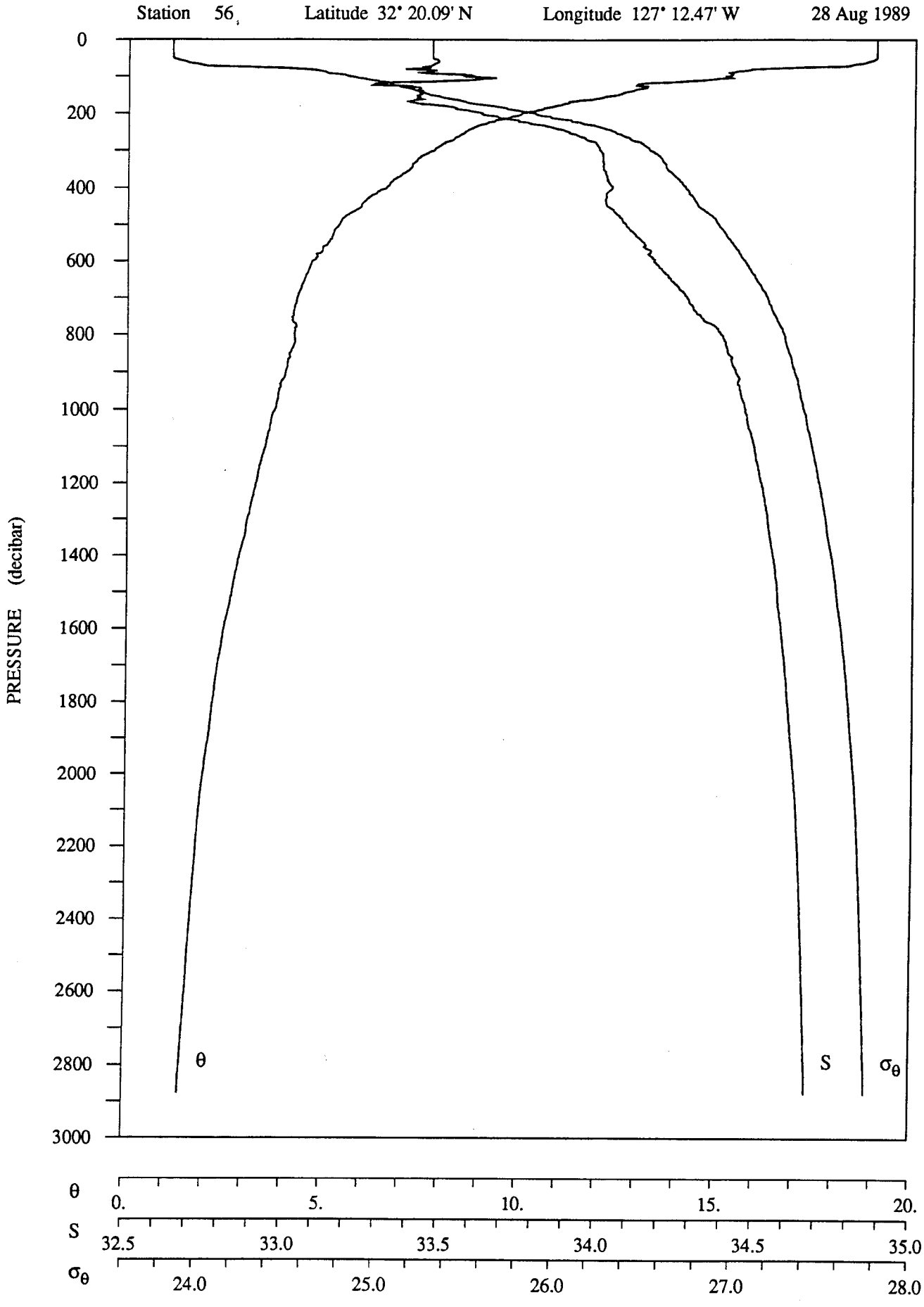
34.8
SALINITY (‰)


Station 56
Latitude 32° 20.09' N
Longitude 127° 12.47' W
28 Aug 1989
PRESSURE (decibar)
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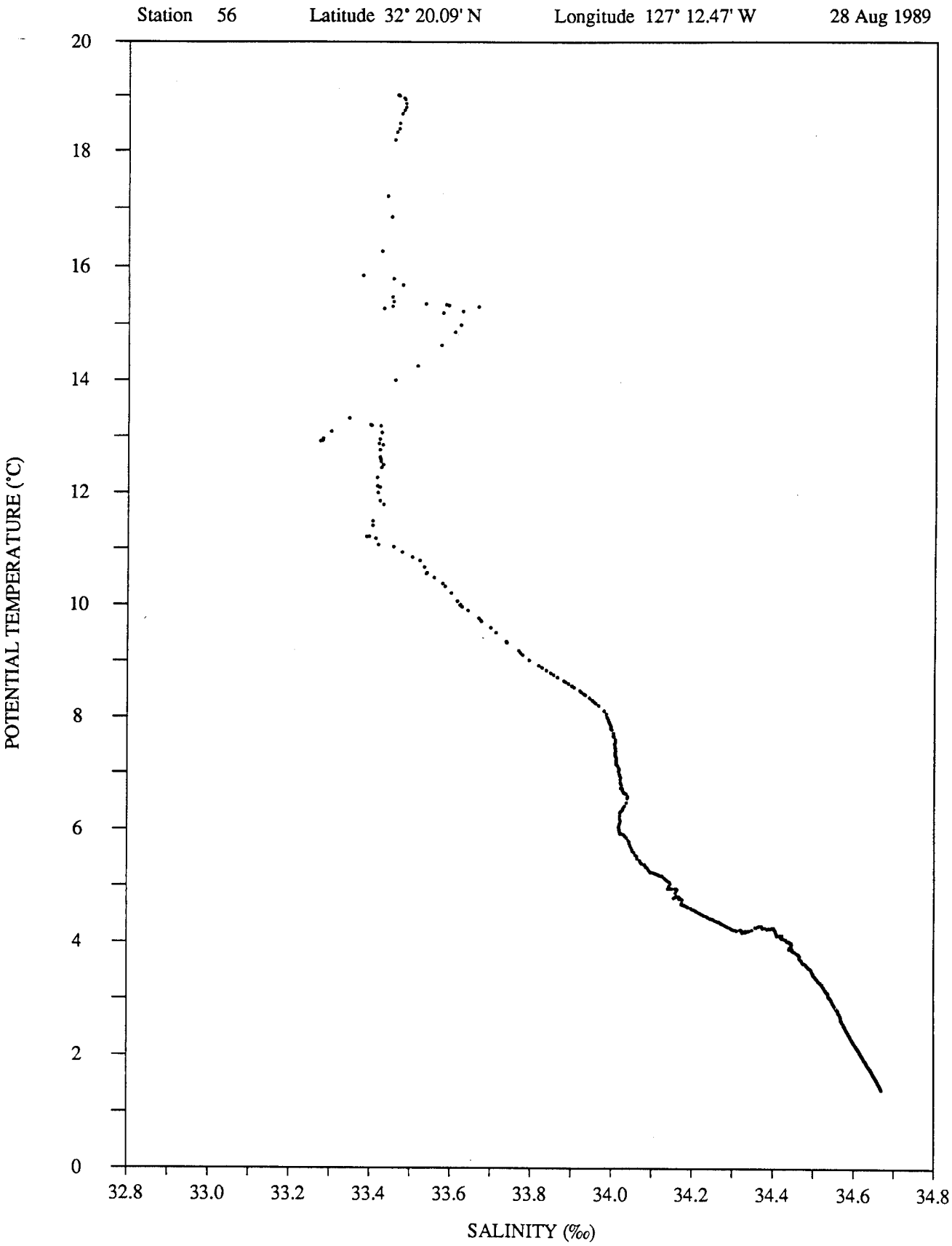
Station 56
Latitude 32° 20.09' N
Longitude 127° 12.47' W
28 Aug 1989
POTENTIAL TEMPERATURE (°C)
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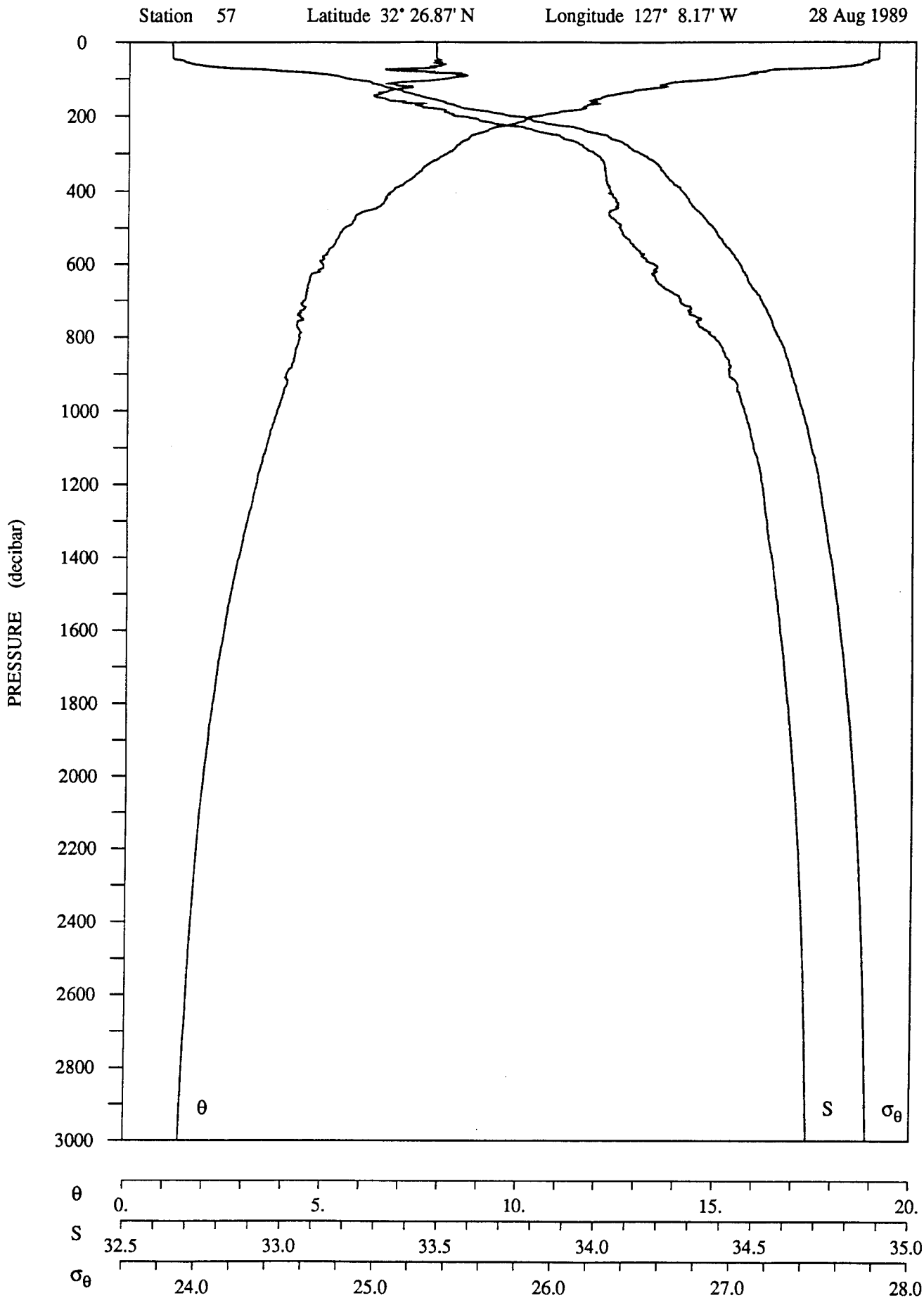
34.8
SALINITY (‰)


Station 57
Latitude 32° 26.87' N
Longitude 127° 8.17' W
28 Aug 1989
PRESSURE (decibar)
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27.0
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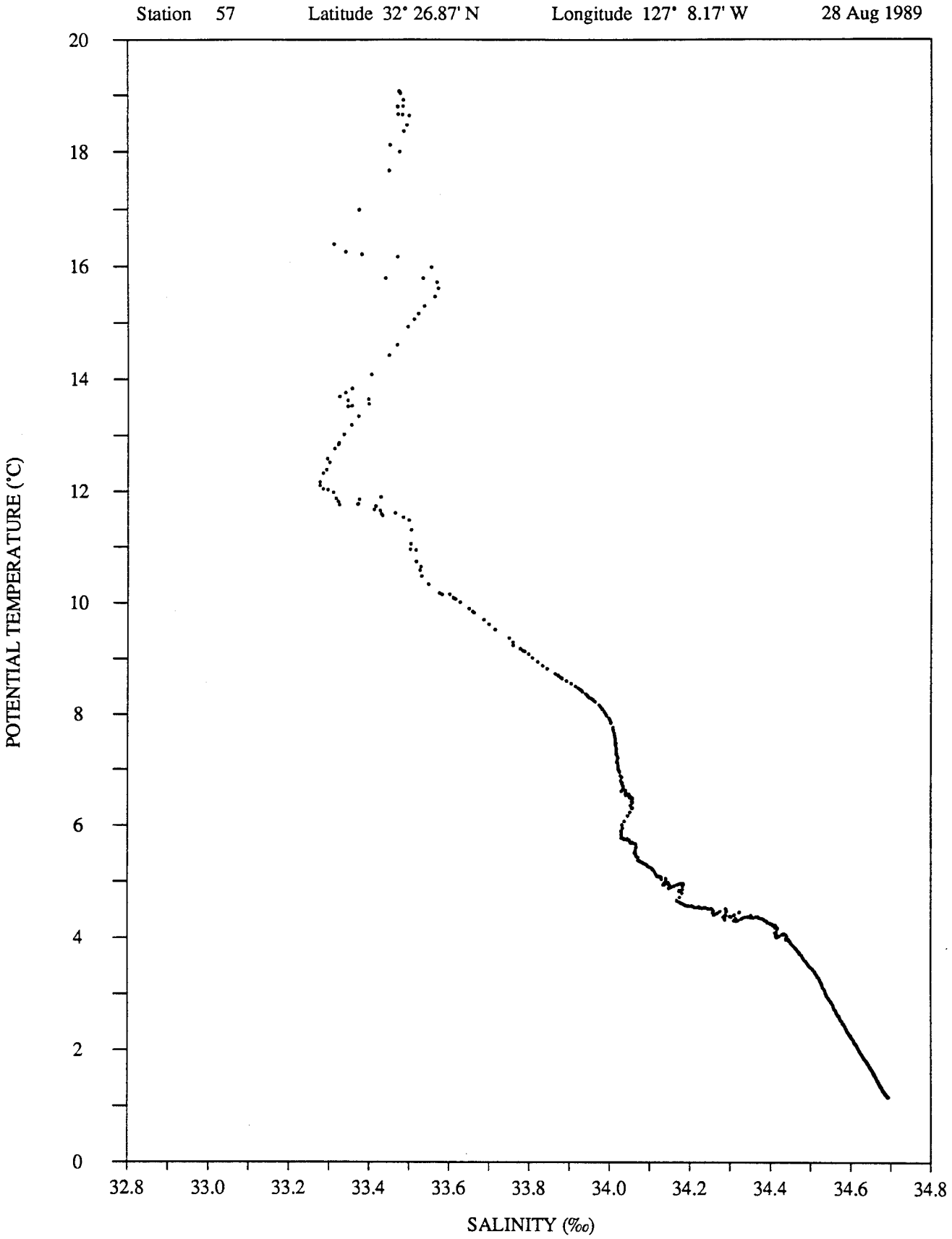
Station 57
Latitude 32° 26.87' N
Longitude 127° 8.17' W
28 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)

Station 58
Latitude 32° 39.98' N
Longitude 126° 59.95' W
28 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
S
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σθ
24.0
25.0
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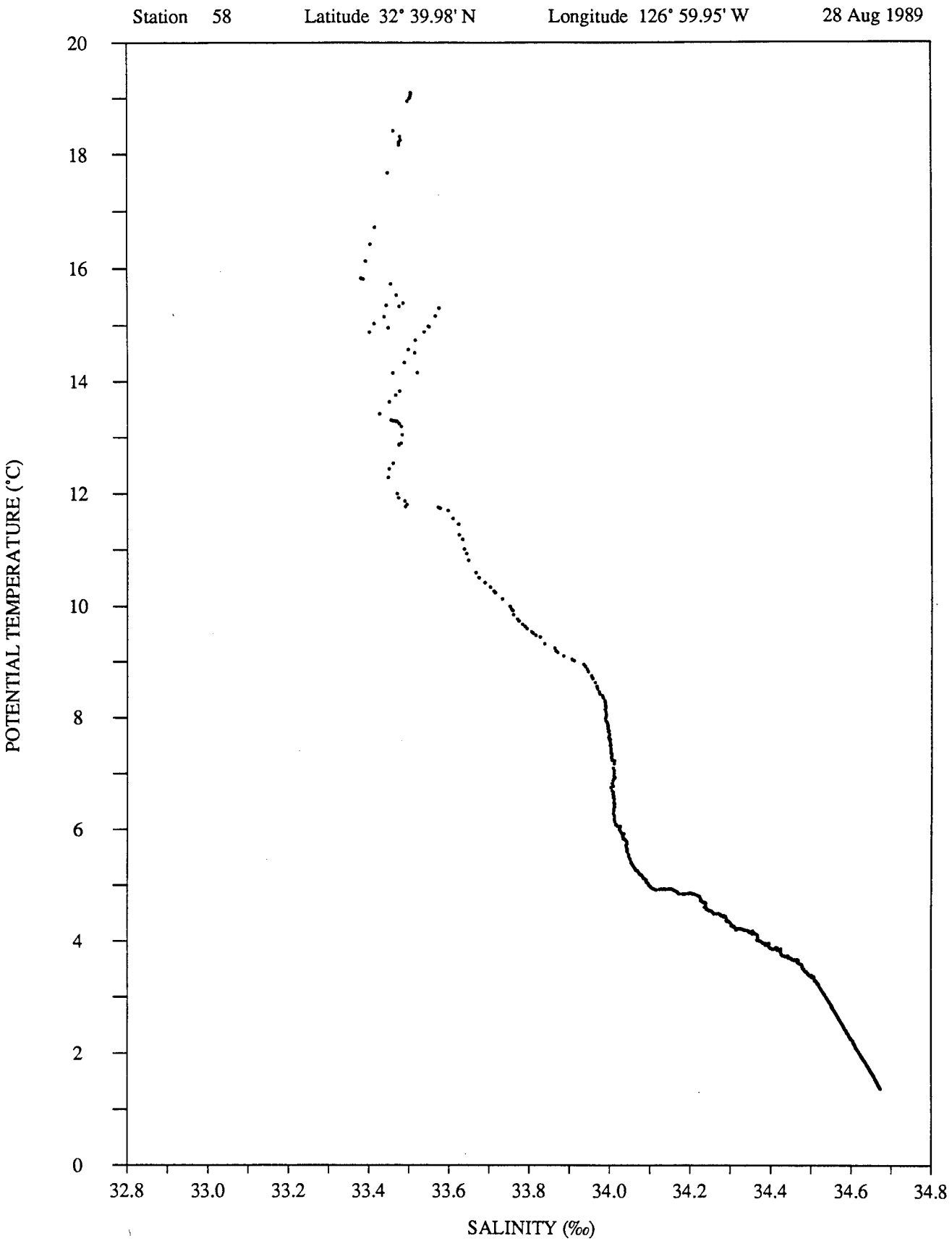
27.0
28.0


Station 58
Latitude 32° 39.98' N
Longitude 126° 59.95' W
28 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)

Station 59
Latitude 32° 53.82' N
Longitude 126° 52.05' W
29 Aug 1989
PRESSURE (decibar)
0
200
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800
1000
1200
1400
1600
1800
2000
2200
2400
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32.5
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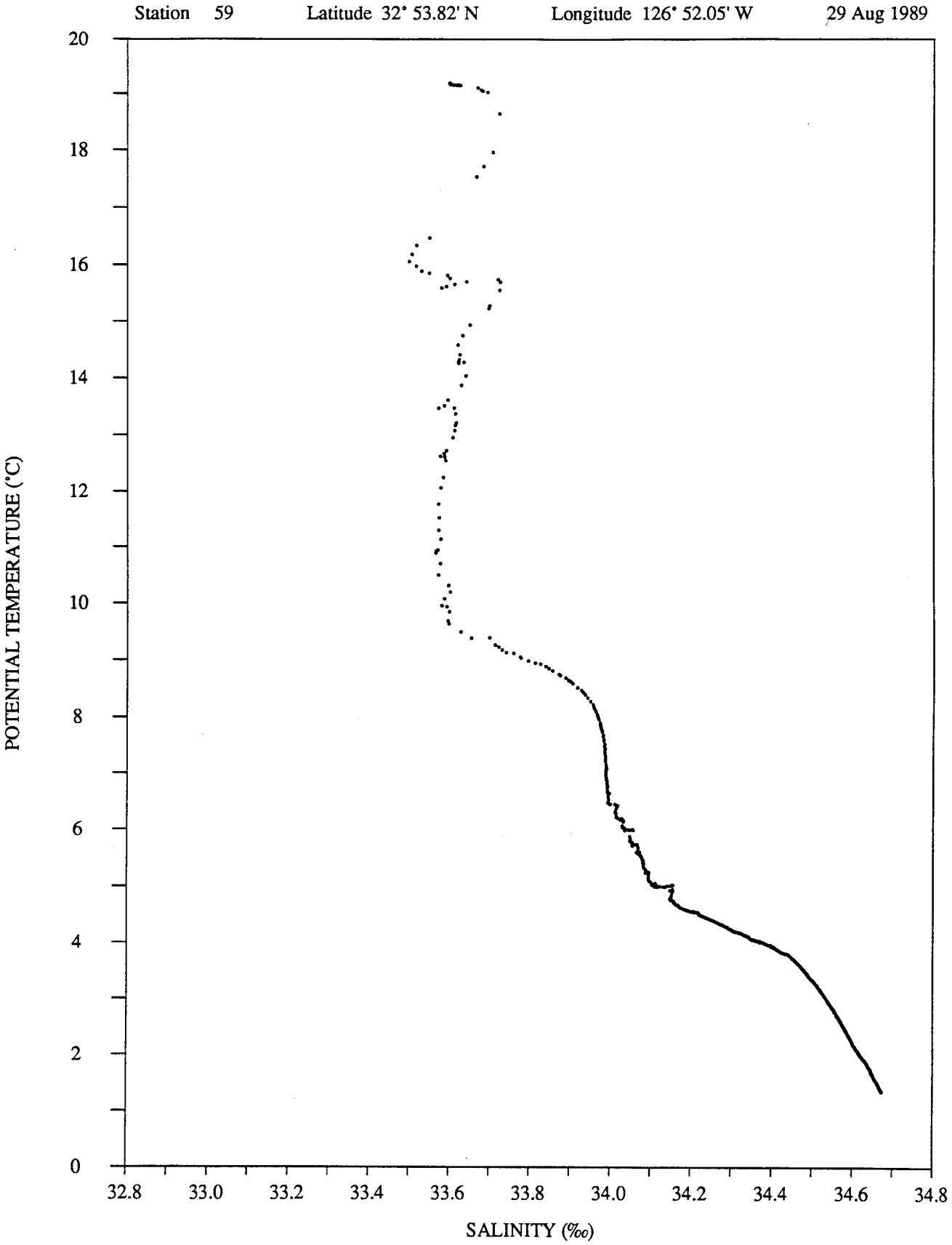
27.0
28.0


Station 59
Latitude 32° 53.82' N
Longitude 126° 52.05' W
29 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
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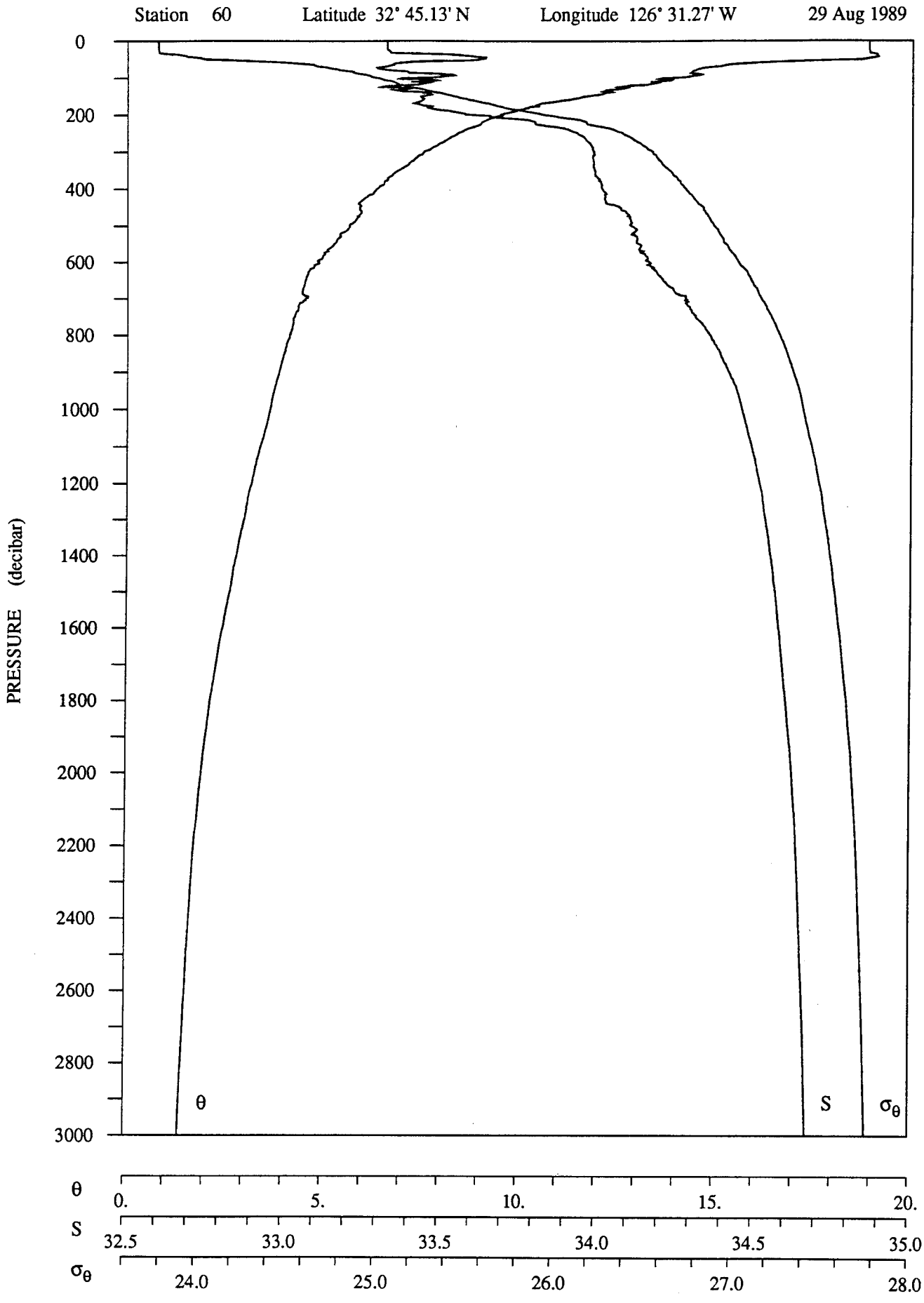
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 60
Latitude 32° 45.13' N
Longitude 126° 31.27' W
29 Aug 1989
PRESSURE (decibar)
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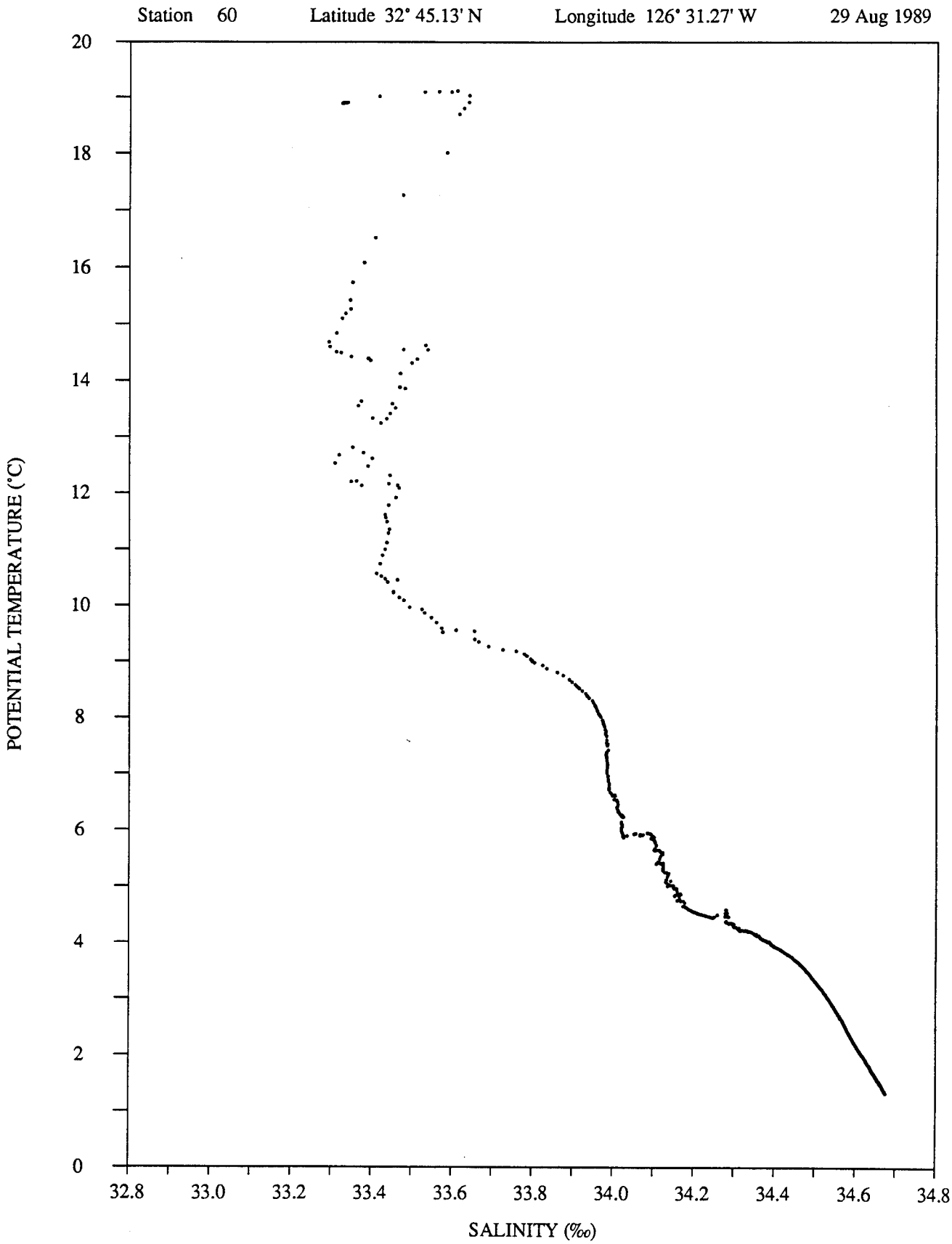
Station 60
Latitude 32° 45.13' N
Longitude 126° 31.27' W
29 Aug 1989
POTENTIAL TEMPERATURE (°C)
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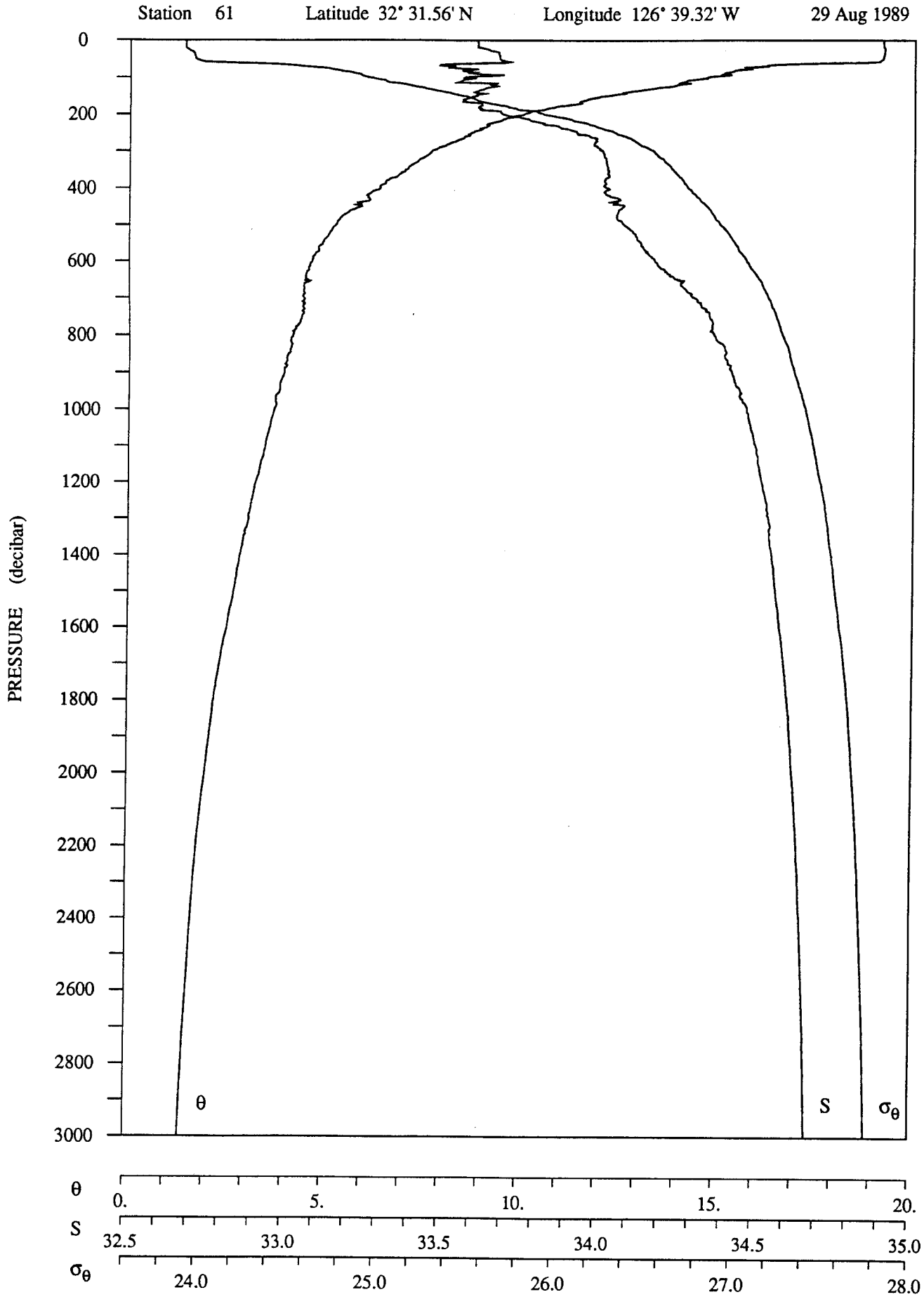
34.8
SALINITY (‰)


Station 61
Latitude 32° 31.56' N
Longitude 126° 39.32' W
29 Aug 1989
PRESSURE (decibar)
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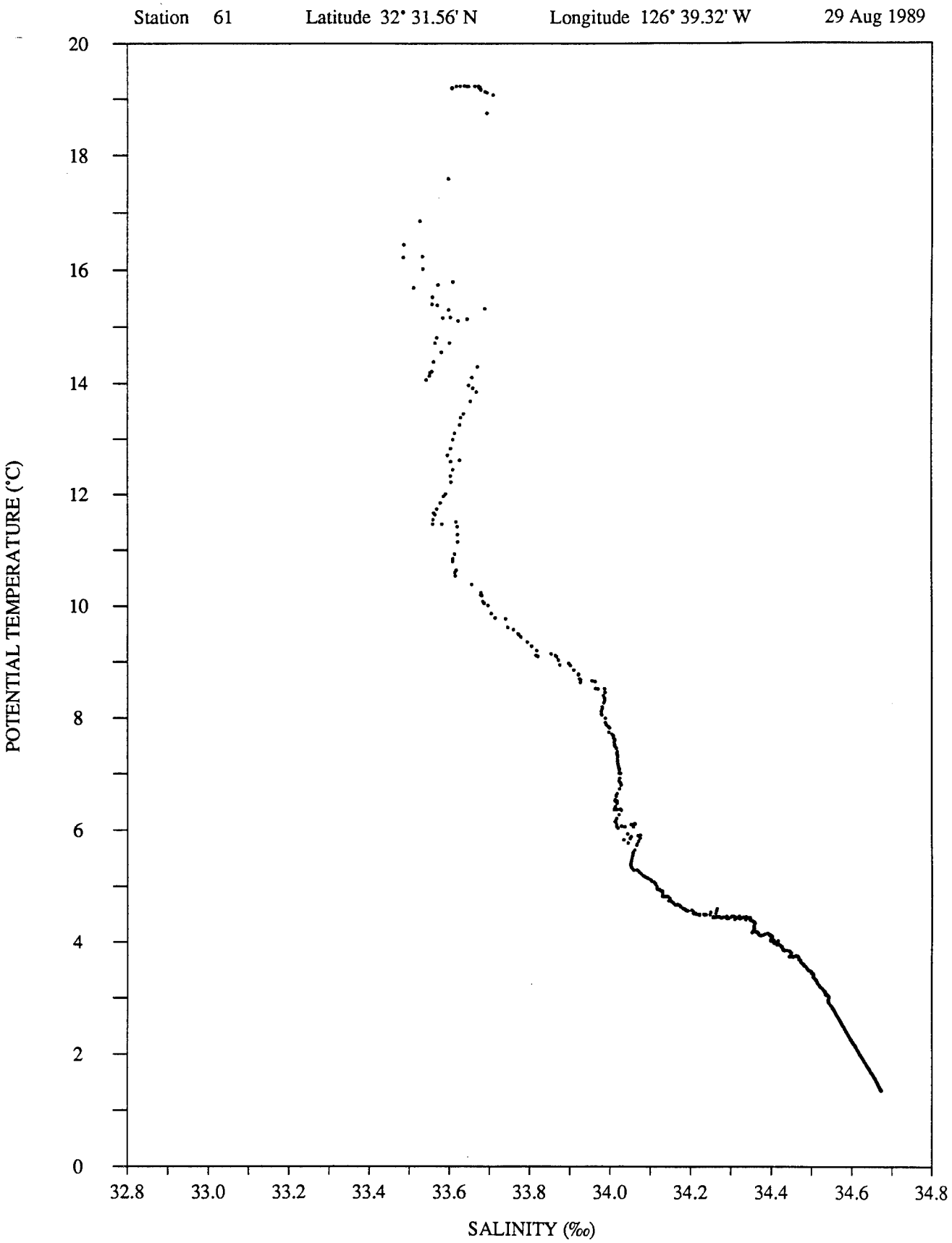
Station 61
Latitude 32° 31.56' N
Longitude 126° 39.32' W
29 Aug 1989
POTENTIAL TEMPERATURE (°C)
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34.6
34.8
SALINITY (‰)

Station 62
Latitude 32° 18.26' N
Longitude 126° 47.26' W
29 Aug 1989
PRESSURE (decibar)
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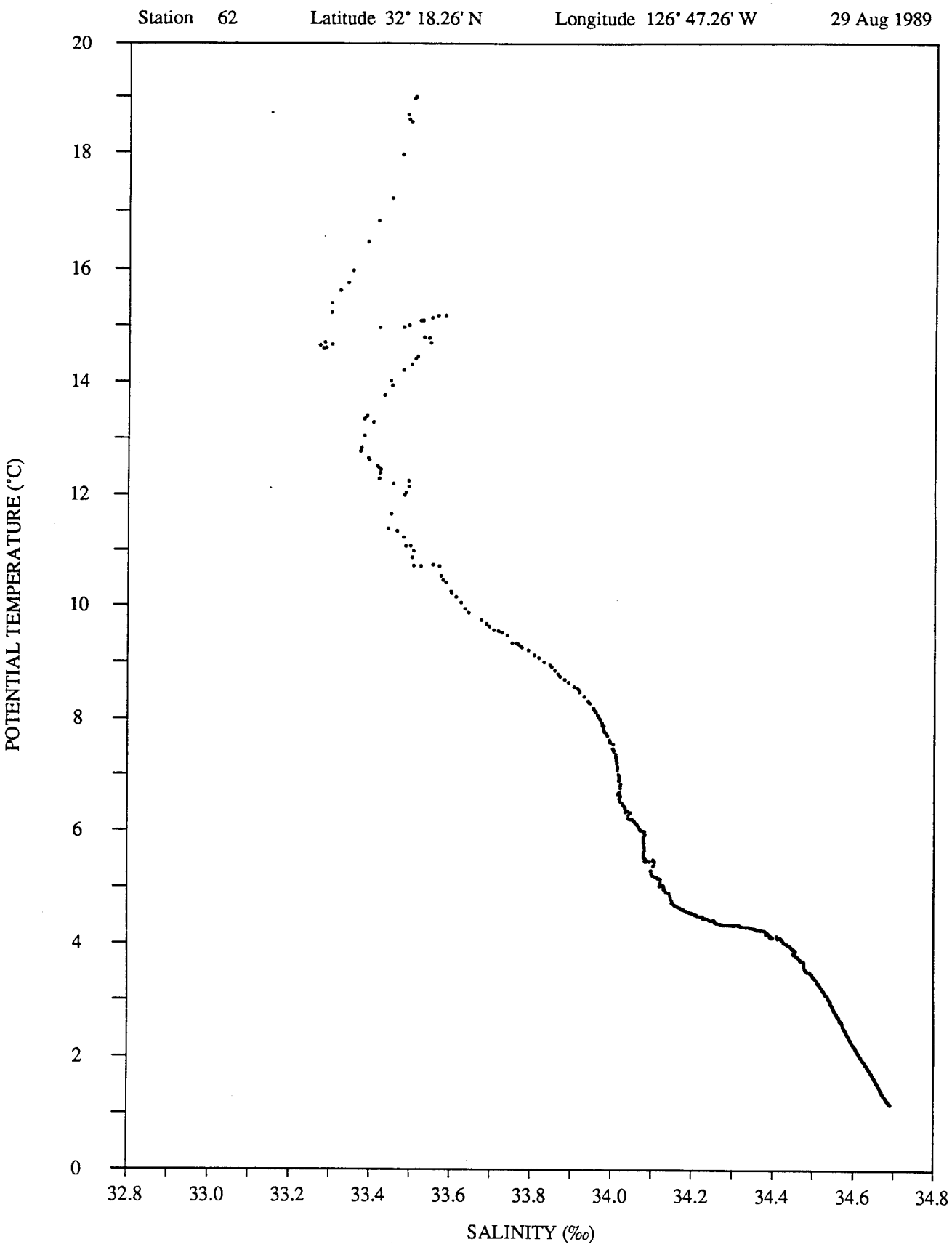
Station 62
Latitude 32° 18.26' N
Longitude 126° 47.26' W
29 Aug 1989
POTENTIAL TEMPERATURE (°C)
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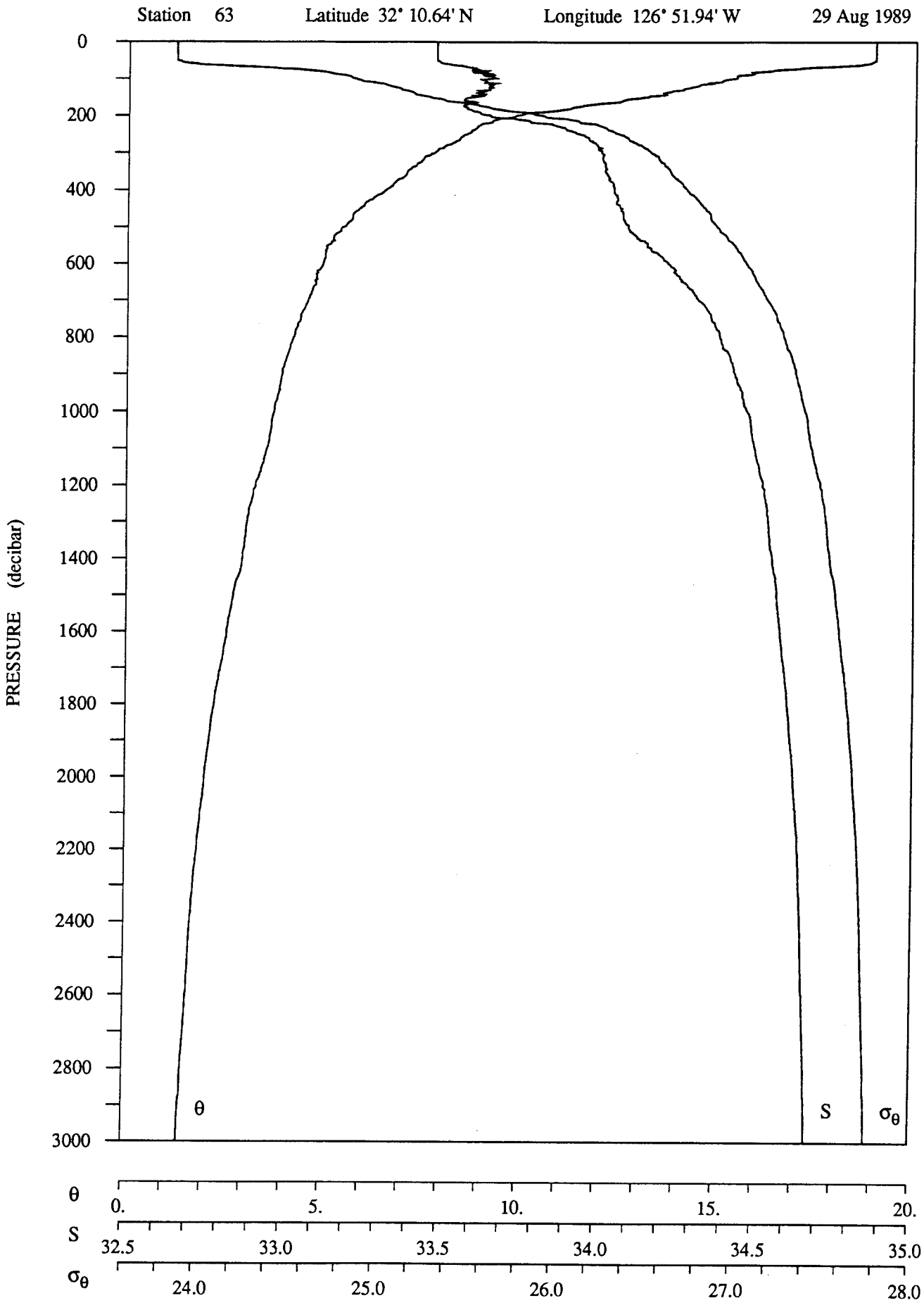
34.8
SALINITY (‰)


Station 63
Latitude 32° 10.64' N
Longitude 126° 51.94' W
29 Aug 1989
PRESSURE (decibar)
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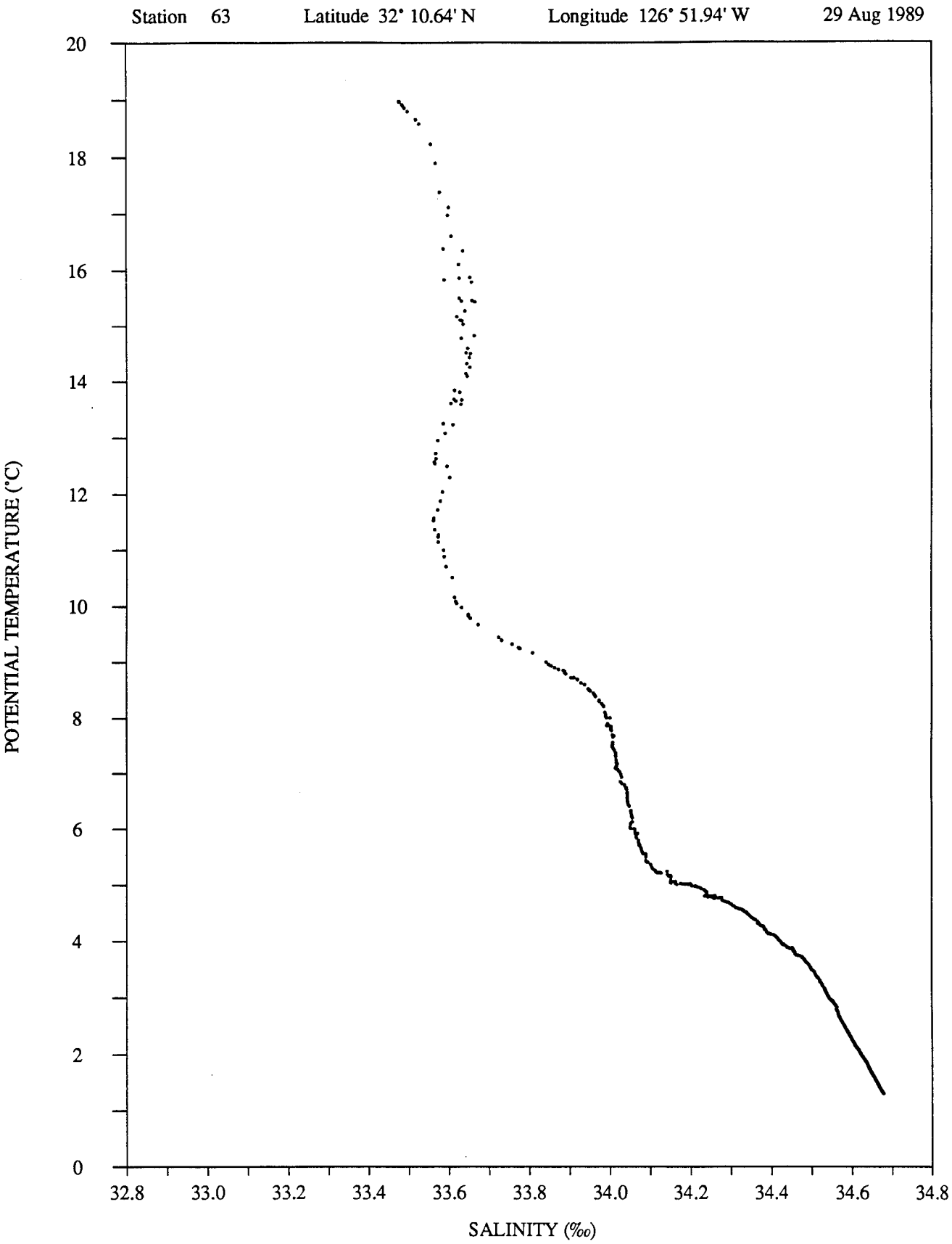
Station 63
Latitude 32° 10.64' N
Longitude 126° 51.94' W
29 Aug 1989
POTENTIAL TEMPERATURE (°C)
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33.2
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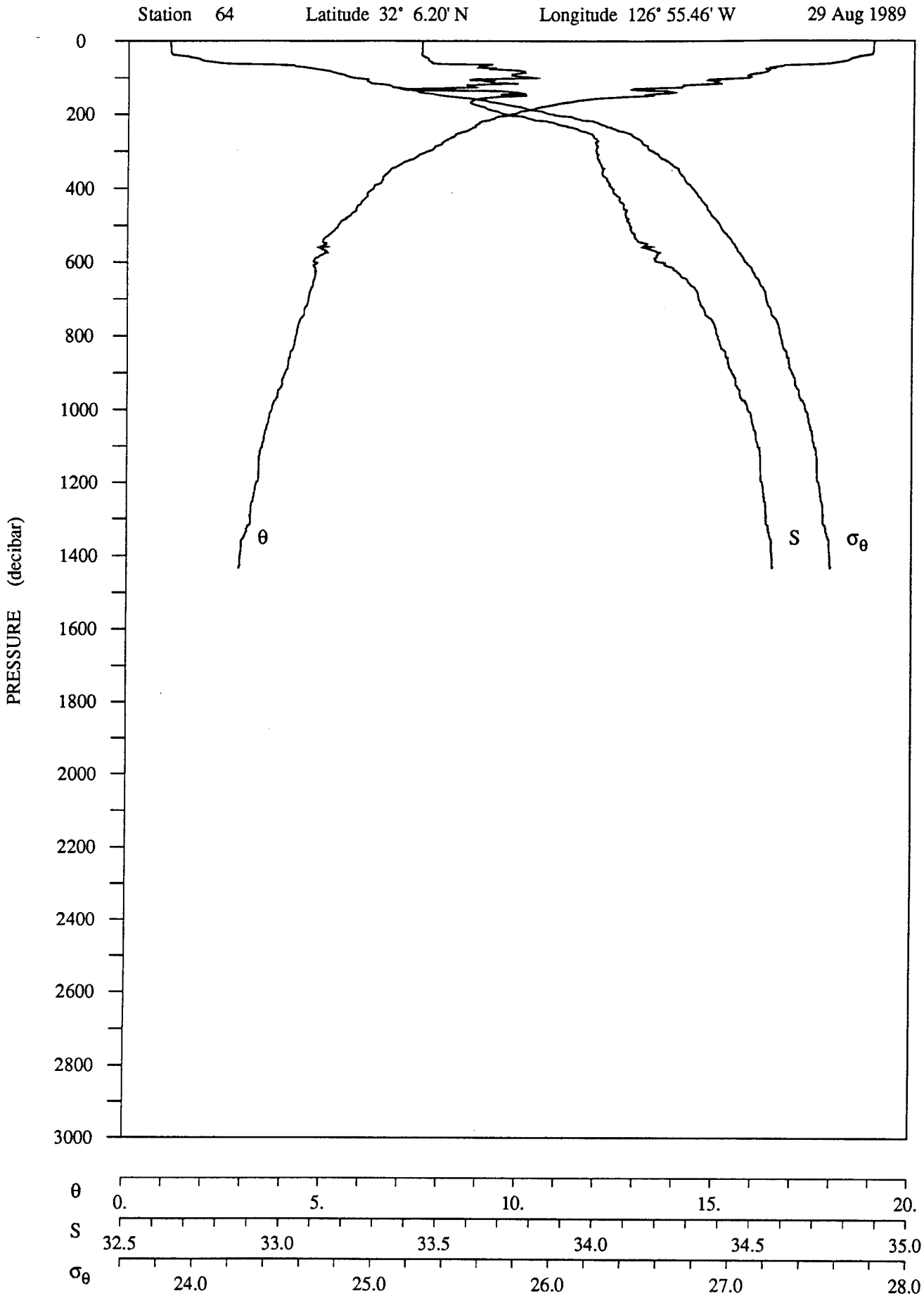
34.6
34.8
SALINITY (‰)


Station 64
Latitude 32° 6.20' N
Longitude 126° 55.46' W
29 Aug 1989
PRESSURE (decibar)
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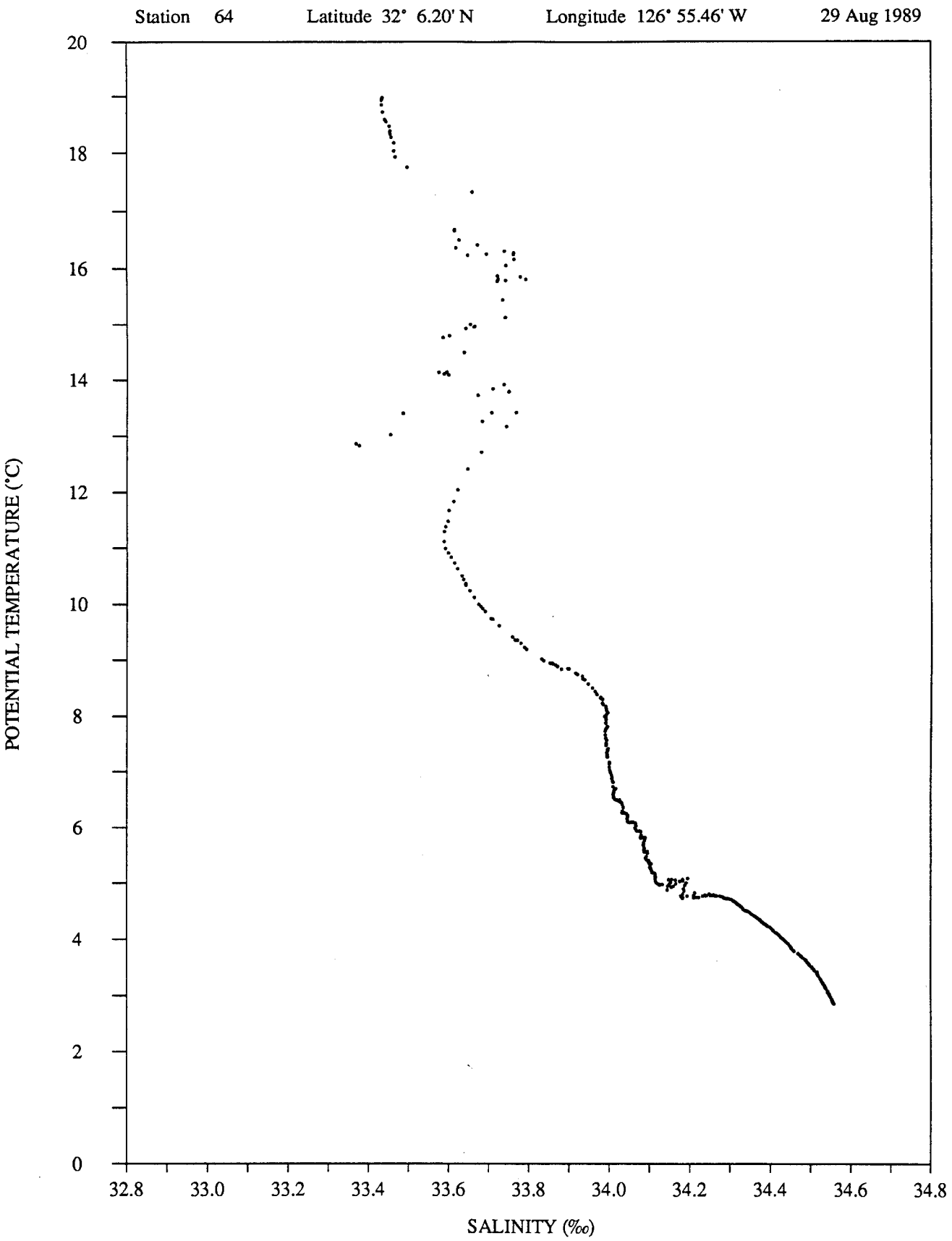
Station 64
Latitude 32° 6.20' N
Longitude 126° 55.46' W
29 Aug 1989
POTENTIAL TEMPERATURE (°C)
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33.2
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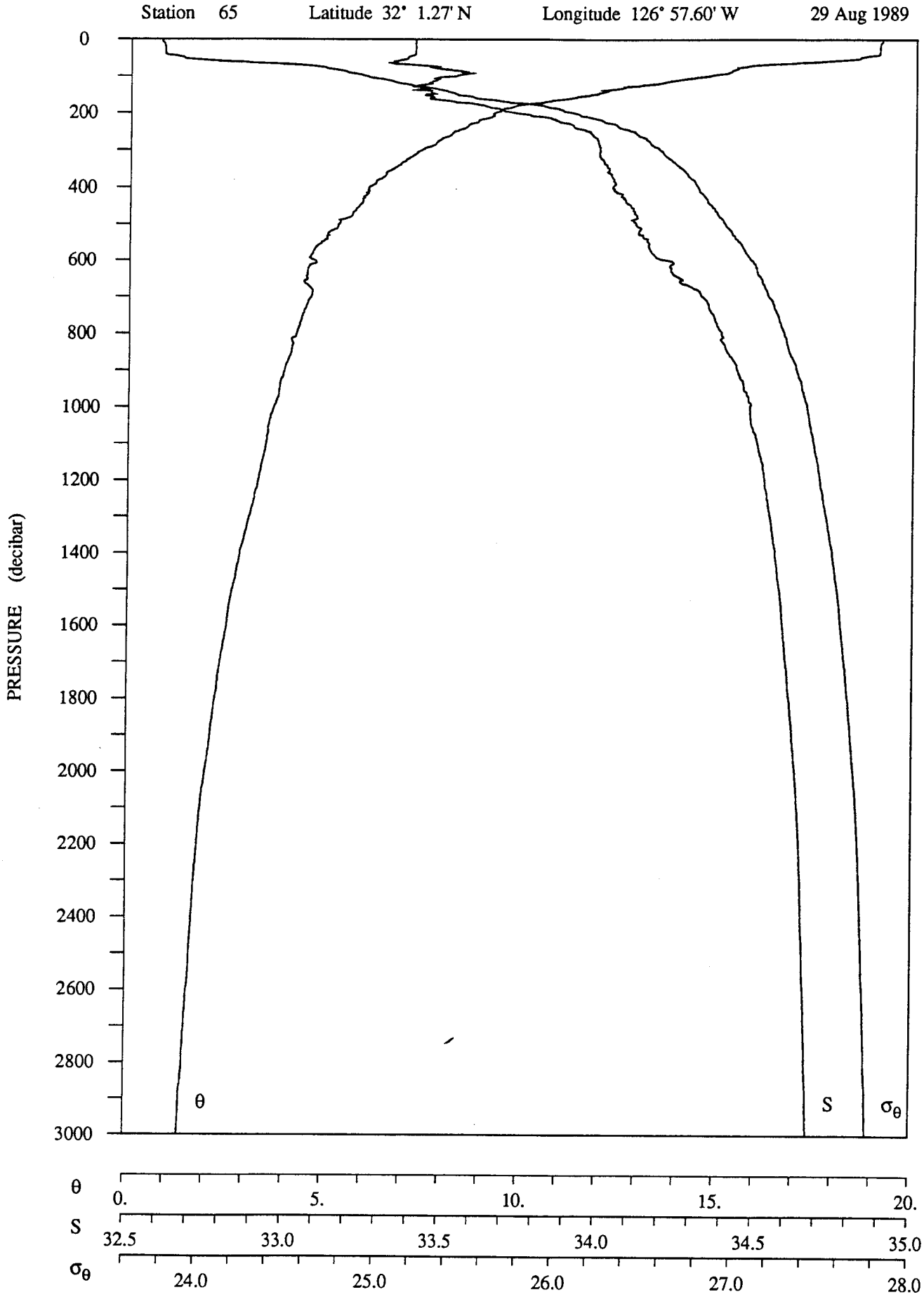
34.6
34.8
SALINITY (‰)


Station 65
Latitude 32° 1.27' N
Longitude 126° 57.60' W
29 Aug 1989
PRESSURE (decibar)
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1000
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1400
1600
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2400
2600
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33.5
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34.5
35.0
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24.0
25.0
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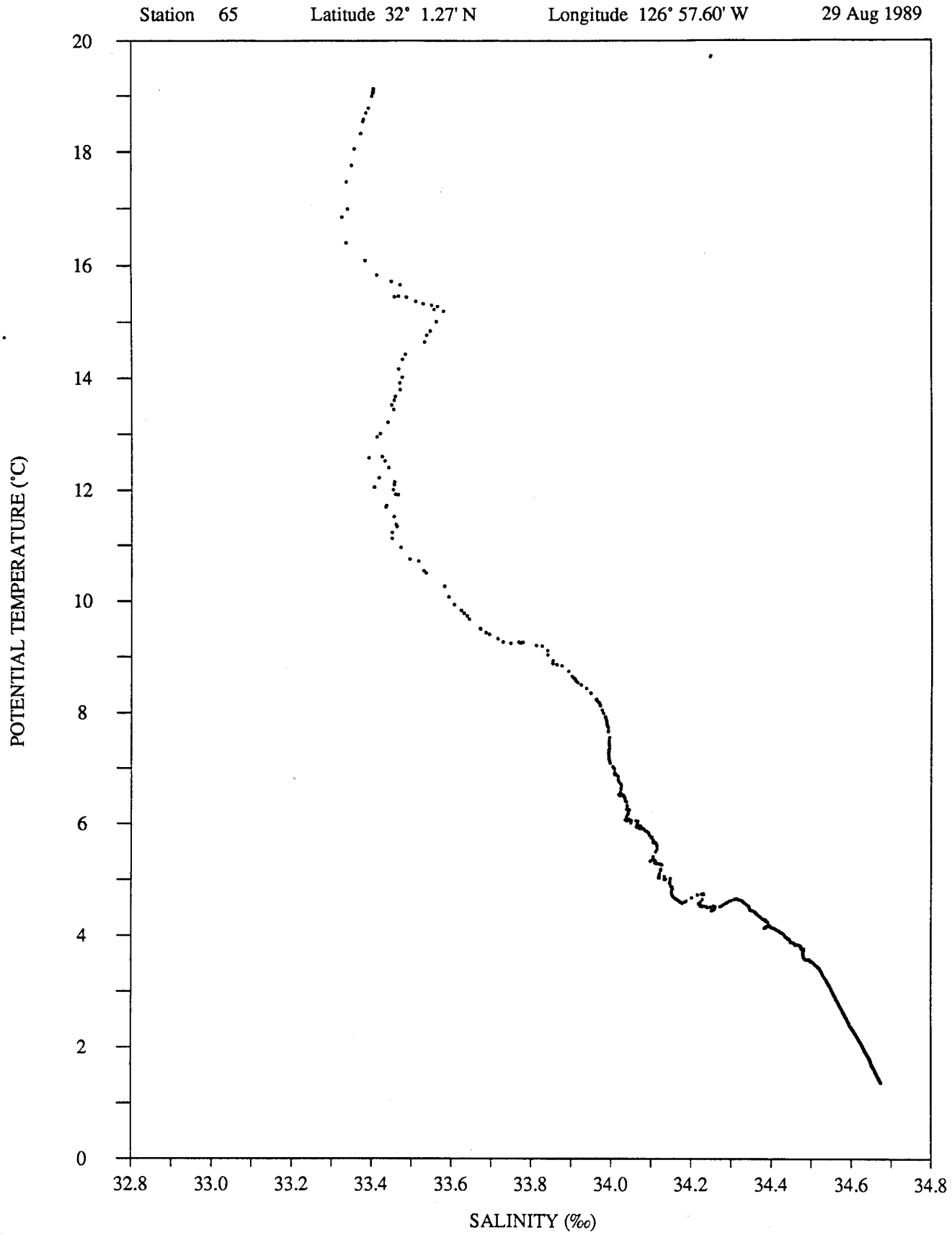
27.0
28.0


Station 65
Latitude 32° 1.27' N
Longitude 126° 57.60' W
29 Aug 1989
POTENTIAL TEMPERATURE (°C)
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4
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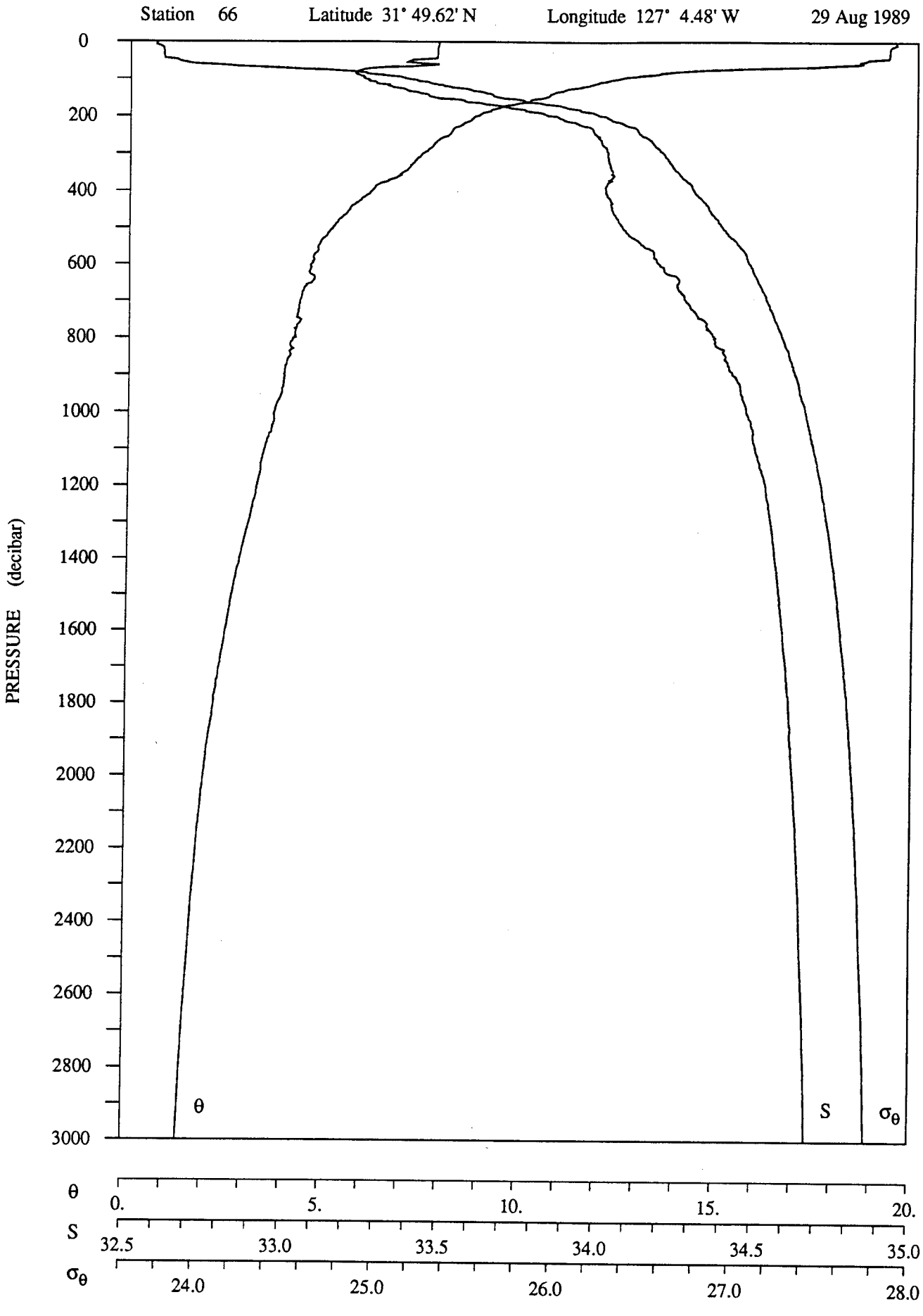
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 66
Latitude 31° 49.62' N
Longitude 127° 4.48' W
29 Aug 1989
PRESSURE (decibar)
0
200
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1000
1200
1400
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33.5
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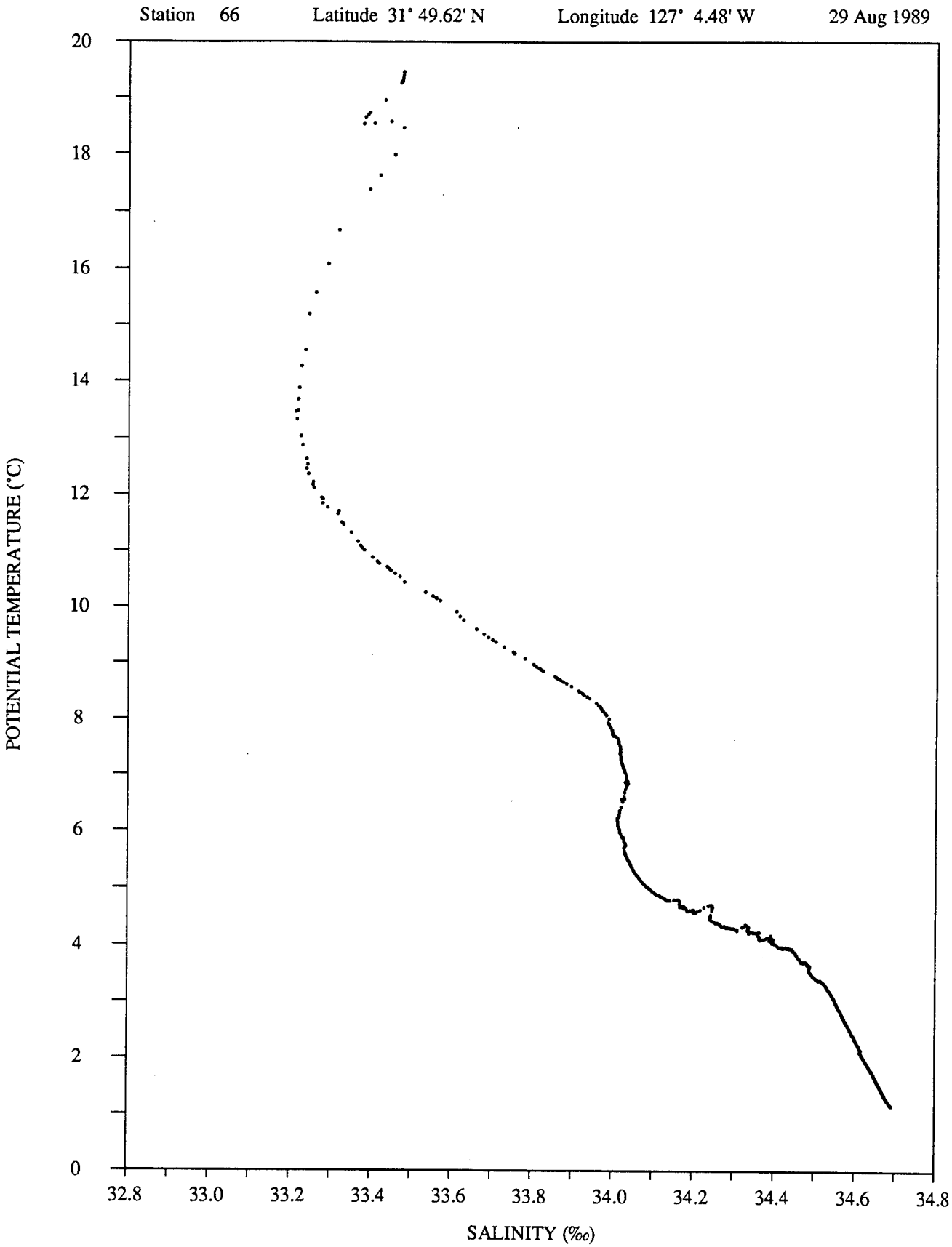
Station 66
Latitude 31° 49.62' N
Longitude 127° 4.48' W
29 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
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32.8
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33.4
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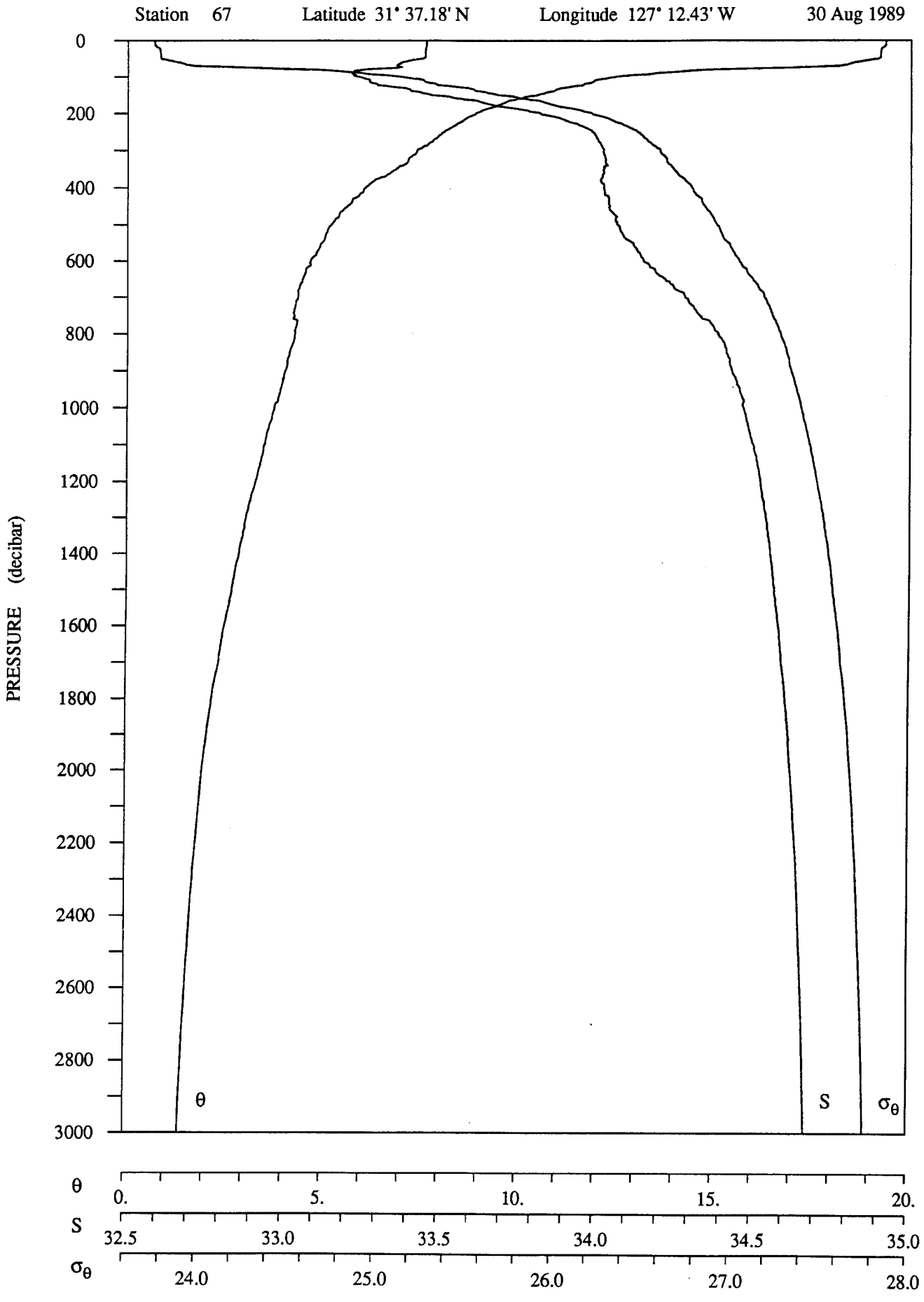
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 67
Latitude 31° 37.18' N
Longitude 127° 12.43' W
30 Aug 1989
PRESSURE (decibar)
0
200
400
600
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1000
1200
1400
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2400
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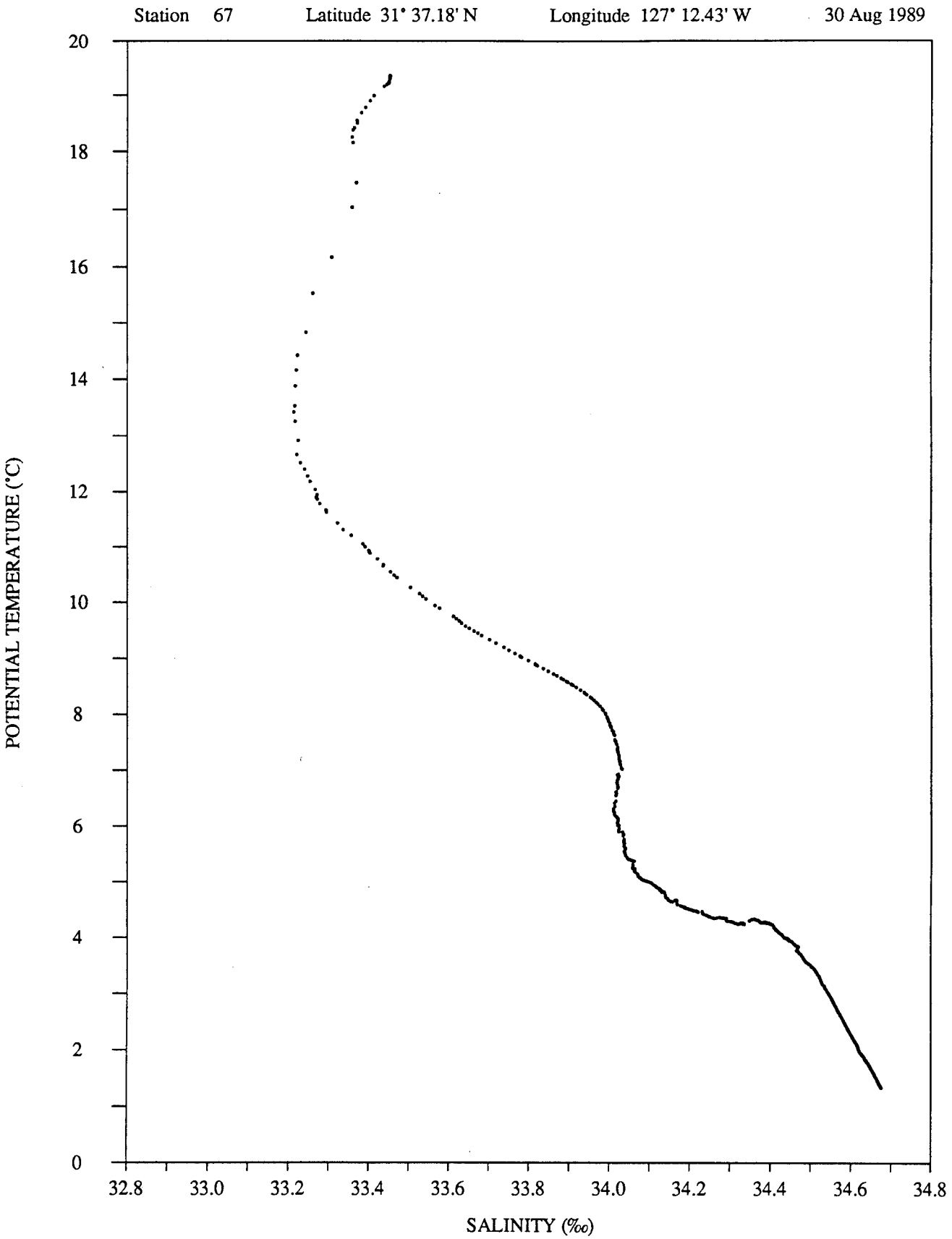
Station 67
Latitude 31° 37.18' N
Longitude 127° 12.43' W
30 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
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12
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32.8
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33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)

Station 68
Latitude 31° 23.47' N
Longitude 127° 20.78' W
30 Aug 1989
PRESSURE (decibar)
0
200
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600
800
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1400
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2000
2200
2400
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2800
3000
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34.5
35.0
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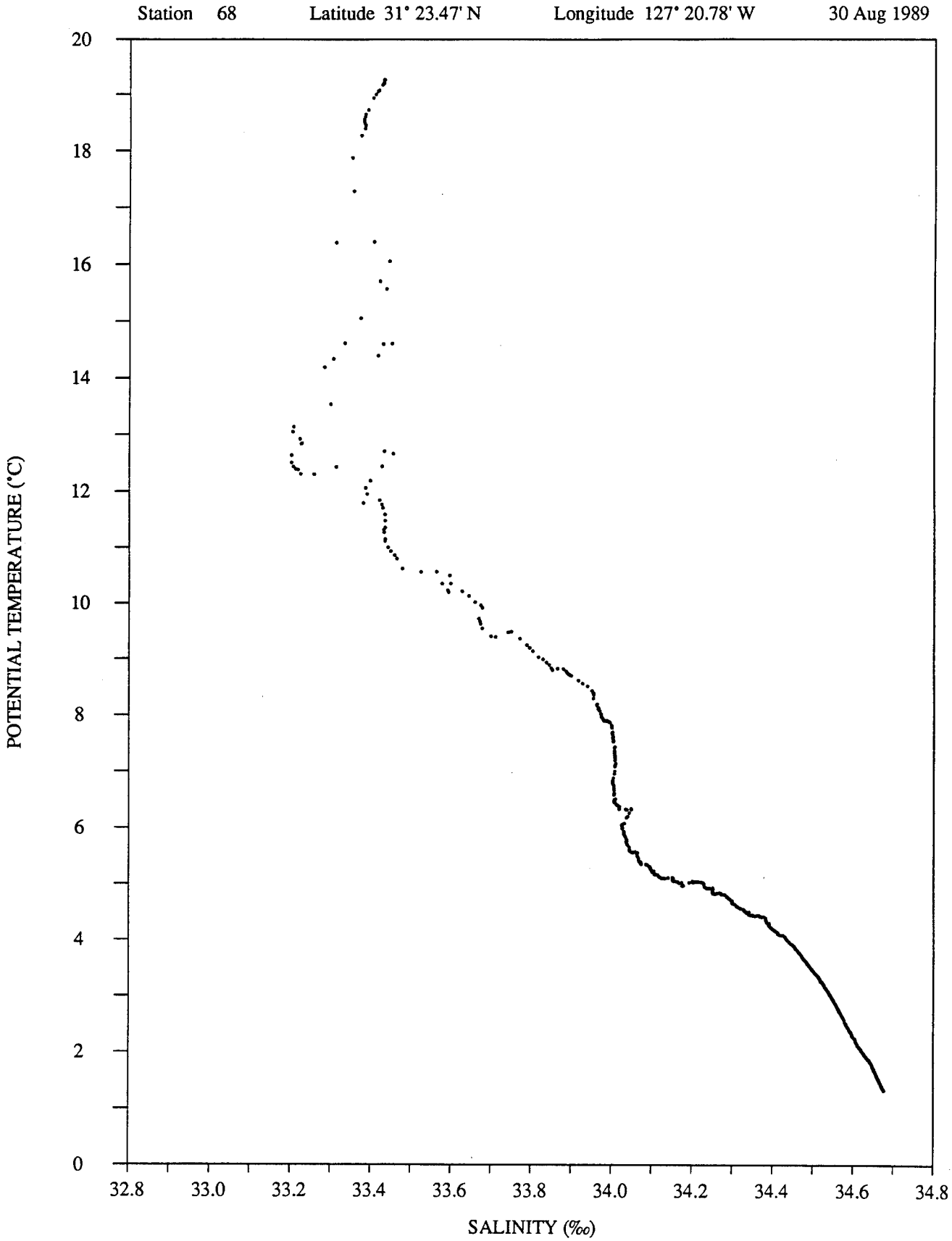
24.0
25.0
26.0
27.0
28.0


Station 68
Latitude 31° 23.47' N
Longitude 127° 20.78' W
30 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
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8
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33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)

Station 69
Latitude 31° 14.43' N
Longitude 127° 1.10' W
30 Aug 1989
PRESSURE (decibar)
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2400
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35.0
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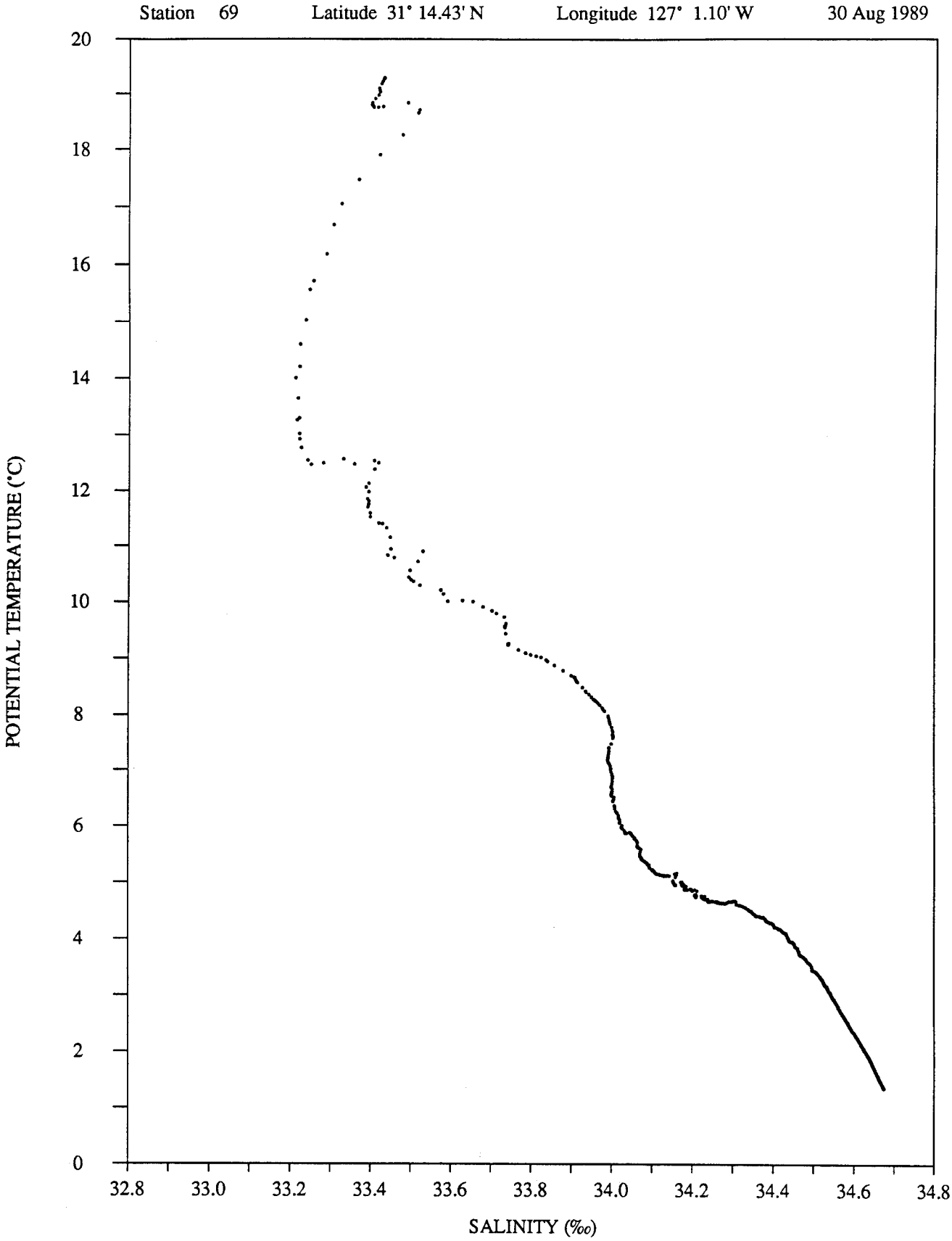
Station 69
Latitude 31° 14.43' N
Longitude 127° 1.10' W
30 Aug 1989
POTENTIAL TEMPERATURE (°C)
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32.8
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33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)

Station 70
Latitude 31° 27.41' N
Longitude 126° 53.05' W
30 Aug 1989
PRESSURE (decibar)
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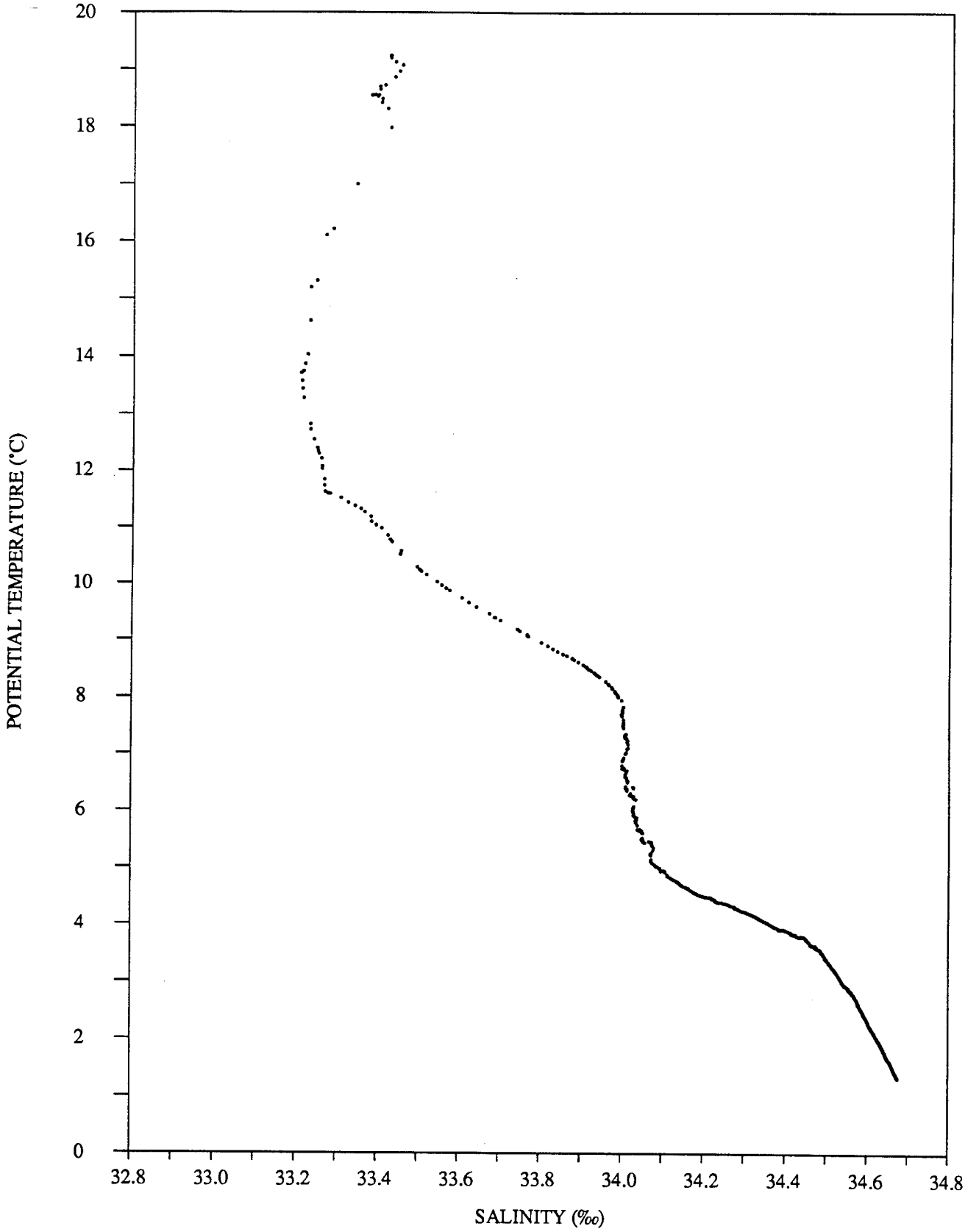
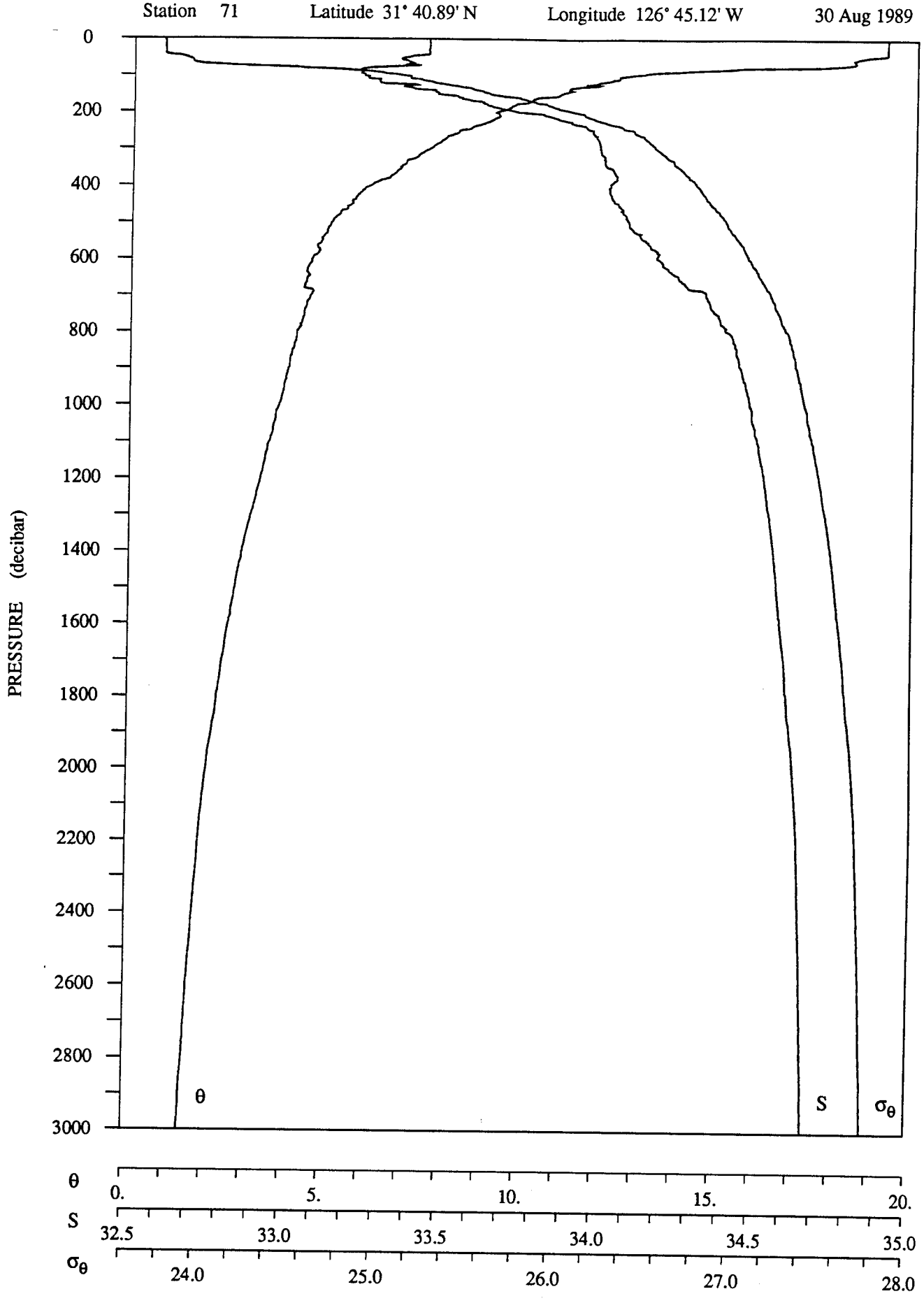
28.0

Station 70 Latitude 31° 27.41' N Longitude 126° 53.05' W 30 Aug 1989




Station 71
Latitude 31° 40.89' N
Longitude 126° 45.12' W
30 Aug 1989
PRESSURE (decibar)
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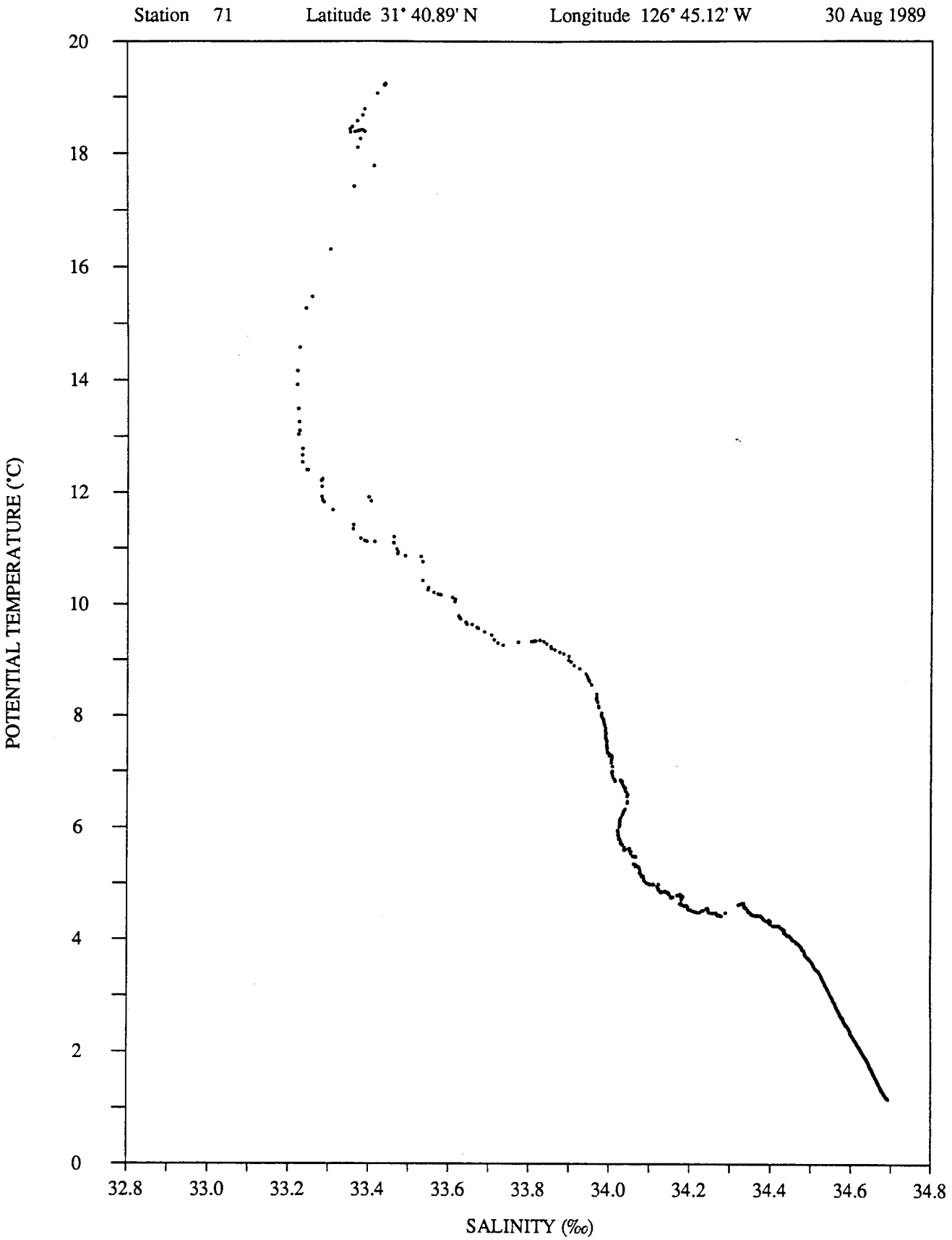
Station 71
Latitude 31° 40.89' N
Longitude 126° 45.12' W
30 Aug 1989
POTENTIAL TEMPERATURE (°C)
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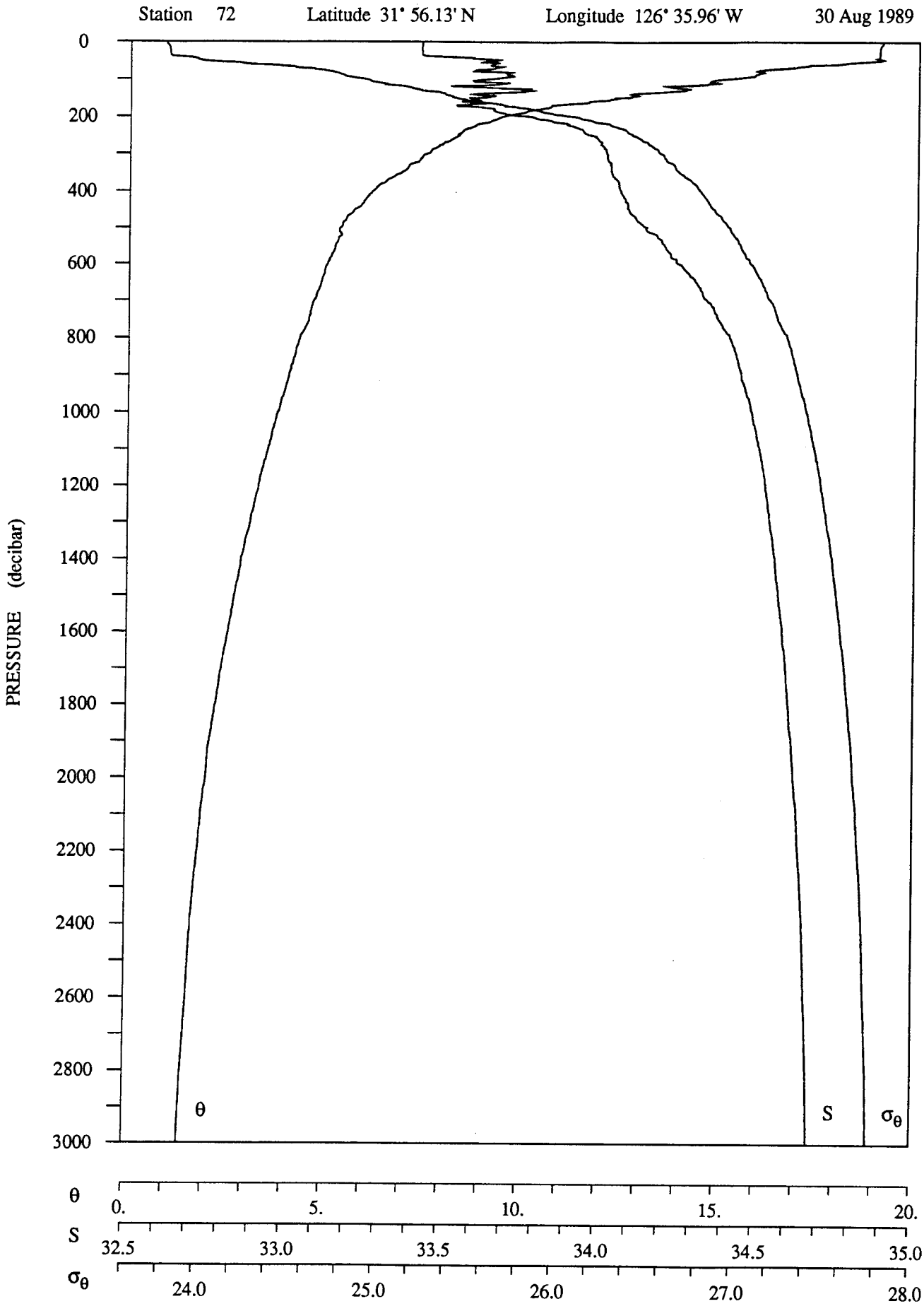
34.8
SALINITY (‰)


Station 72
Latitude 31° 56.13' N
Longitude 126° 35.96' W
30 Aug 1989
PRESSURE (decibar)
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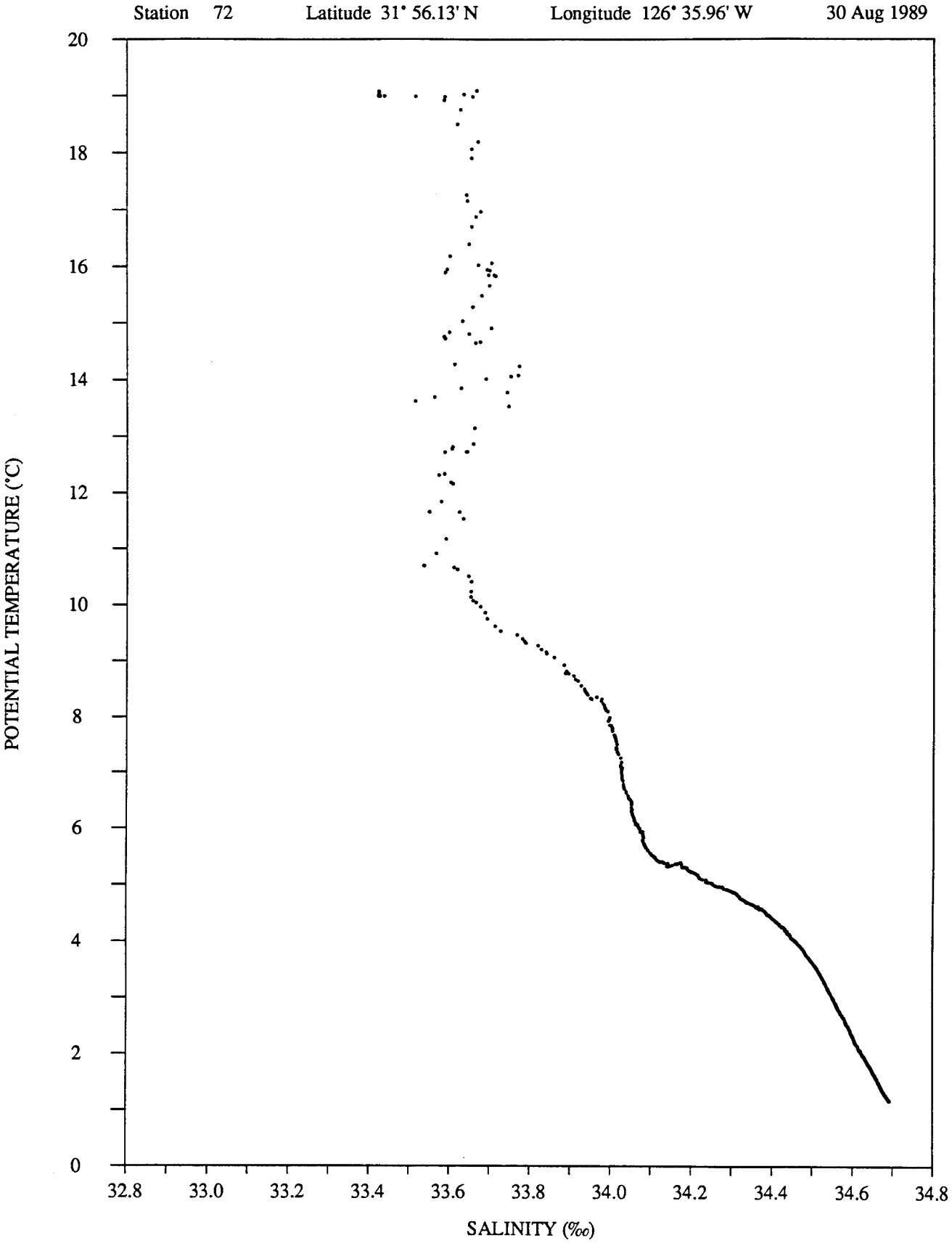
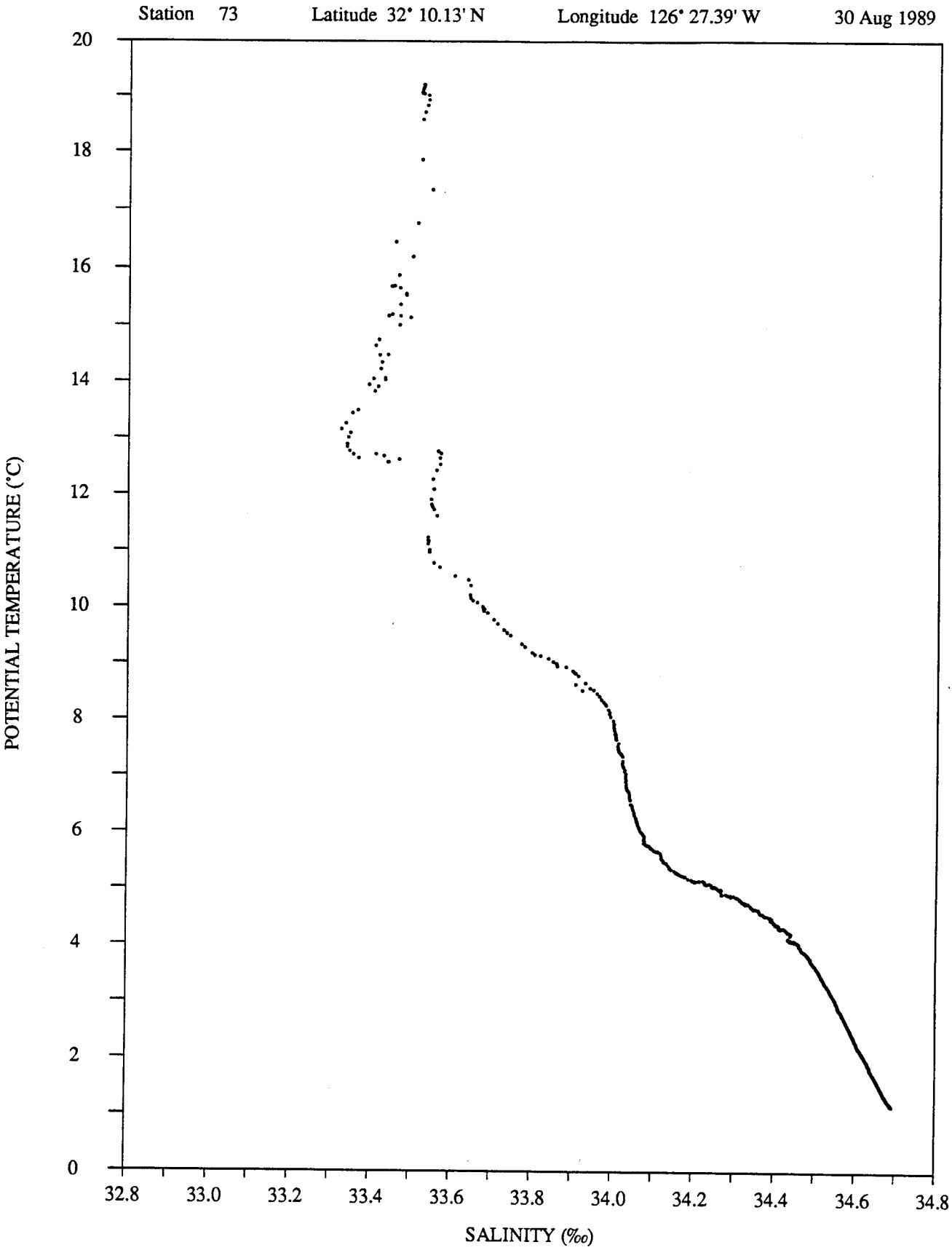
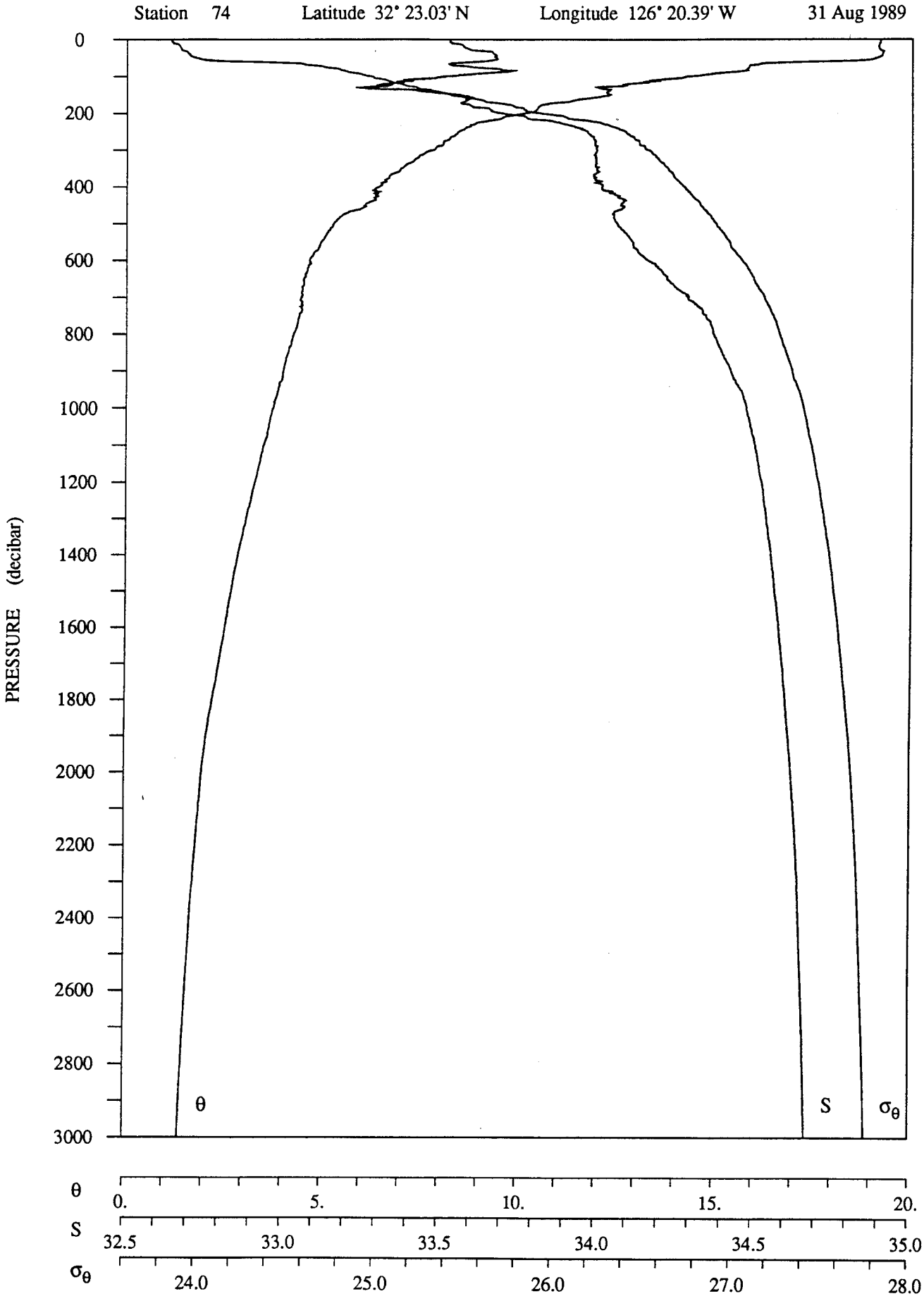
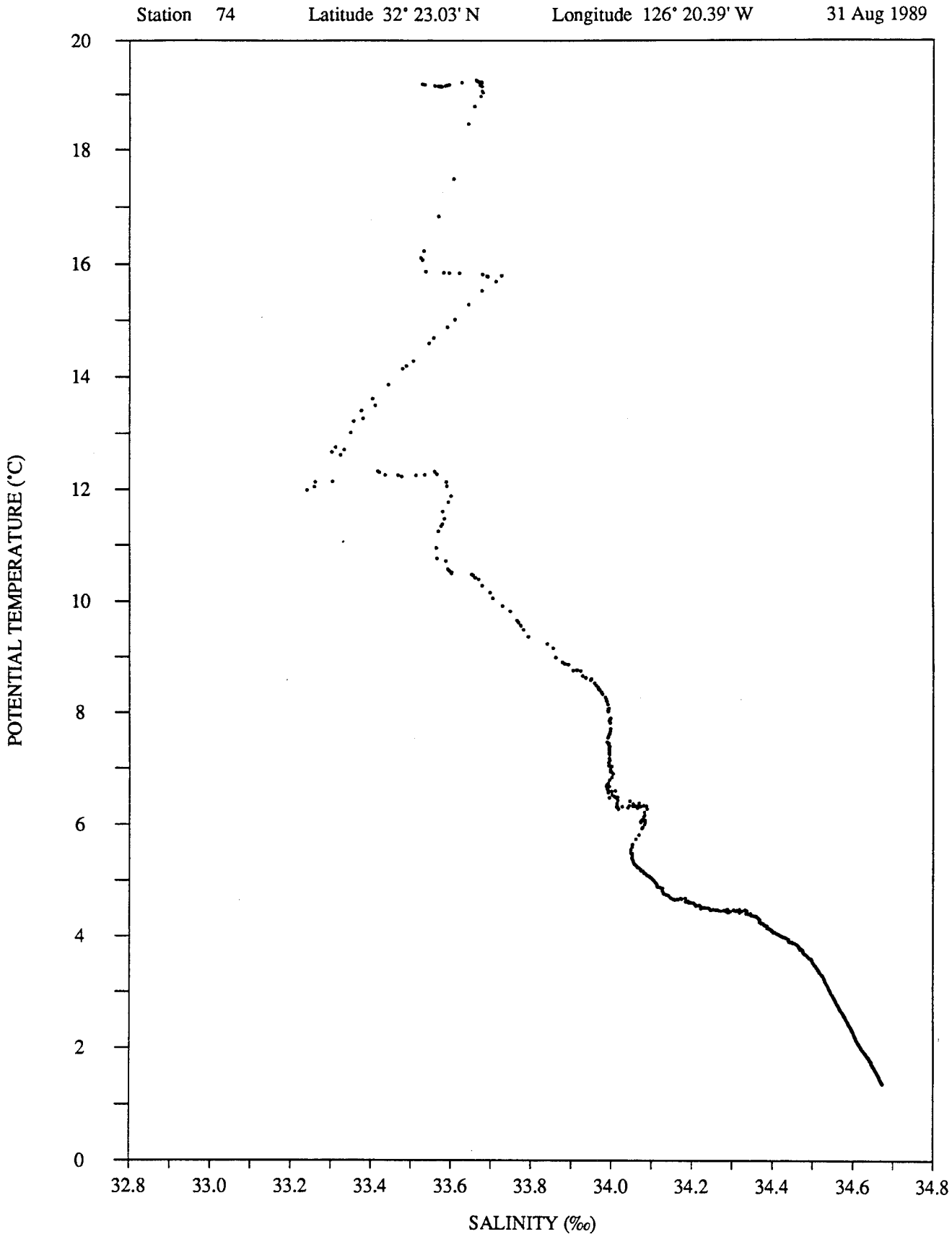
26.0
27.0
28.0

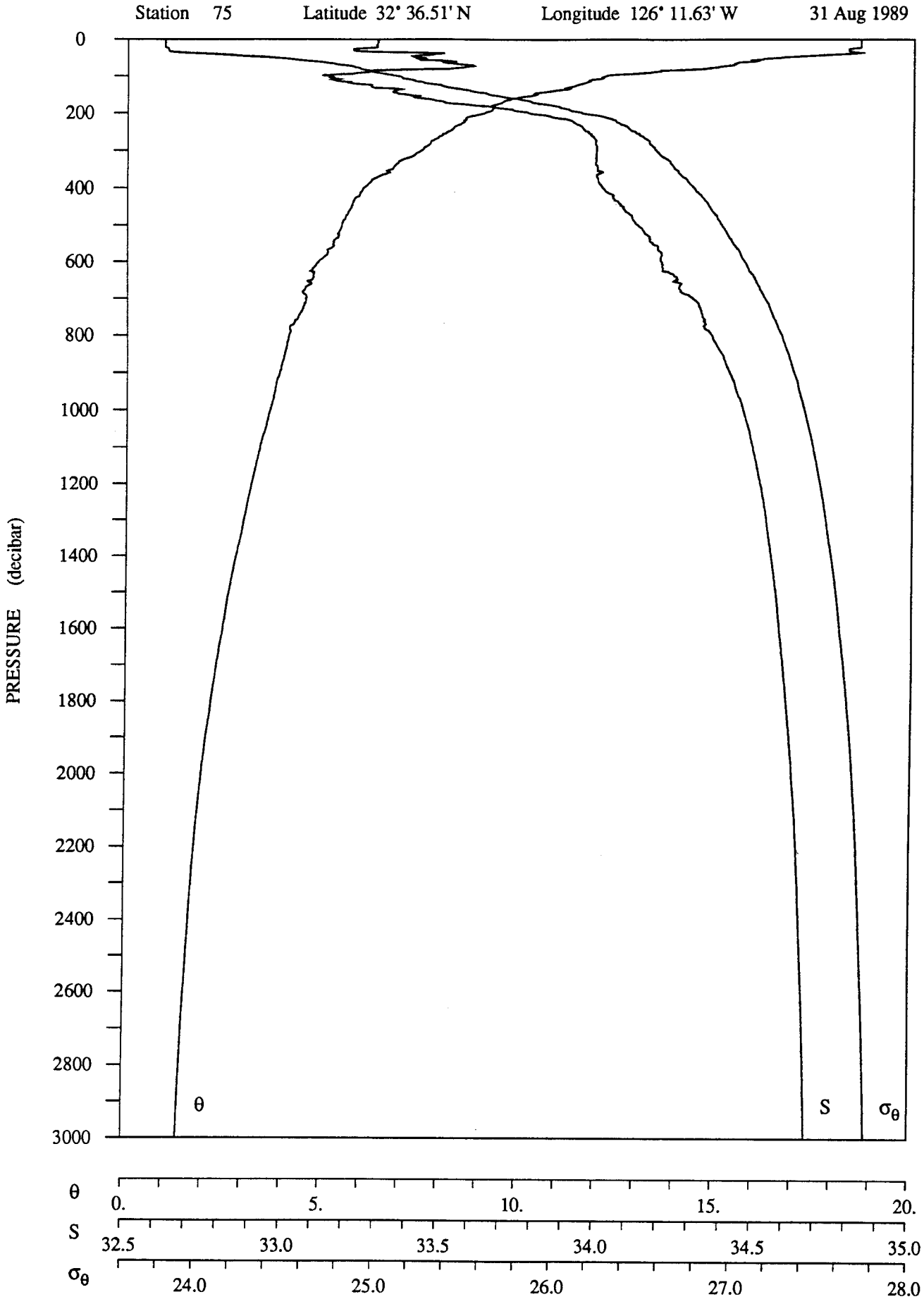

Station 72
Latitude 31° 56.13' N
Longitude 126° 35.96' W
30 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)

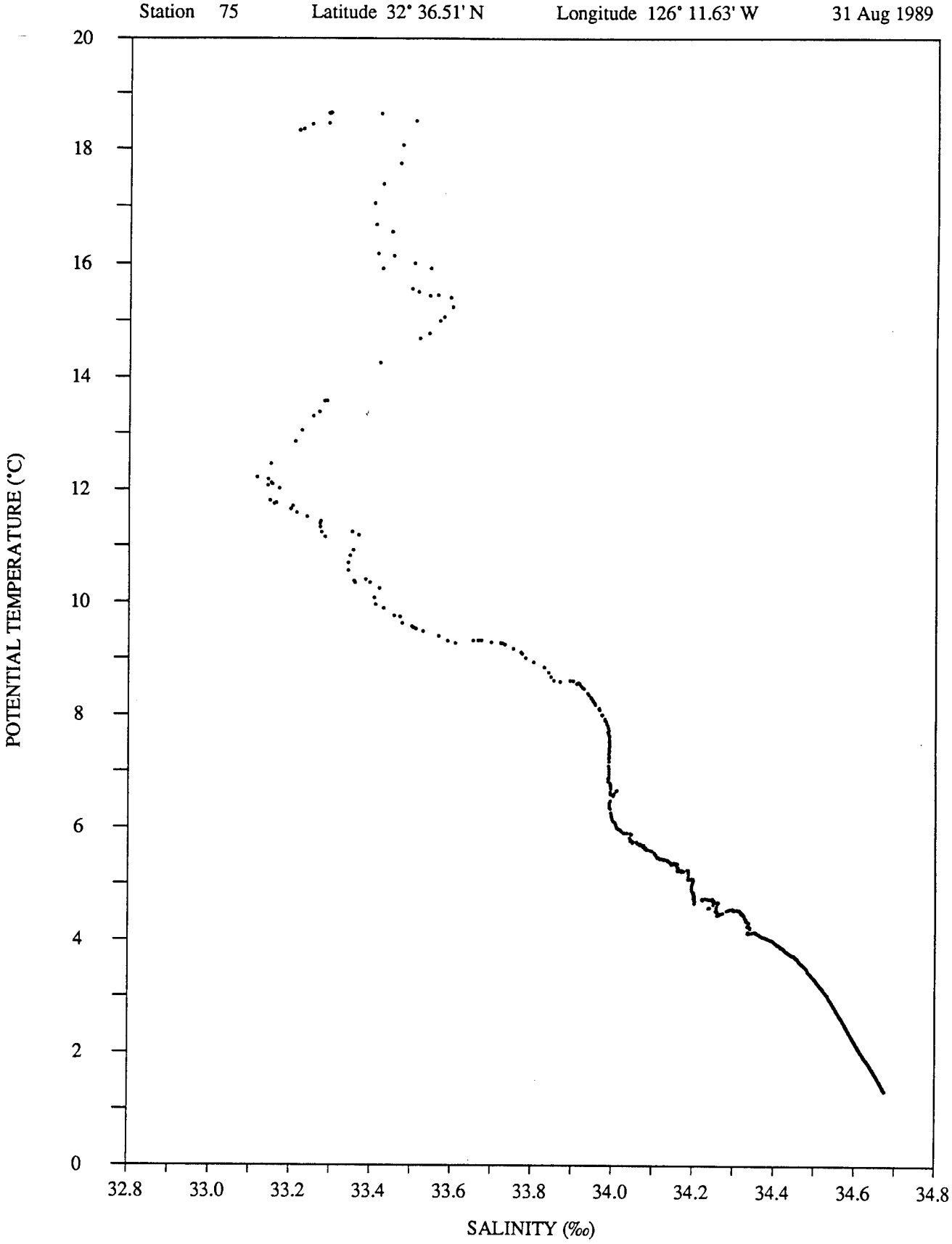
Station 73
Latitude 32° 10.13' N
Longitude 126° 27.39' W
30 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
S
σθ
θ
0.
5.
10.
15.
20.
S
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0

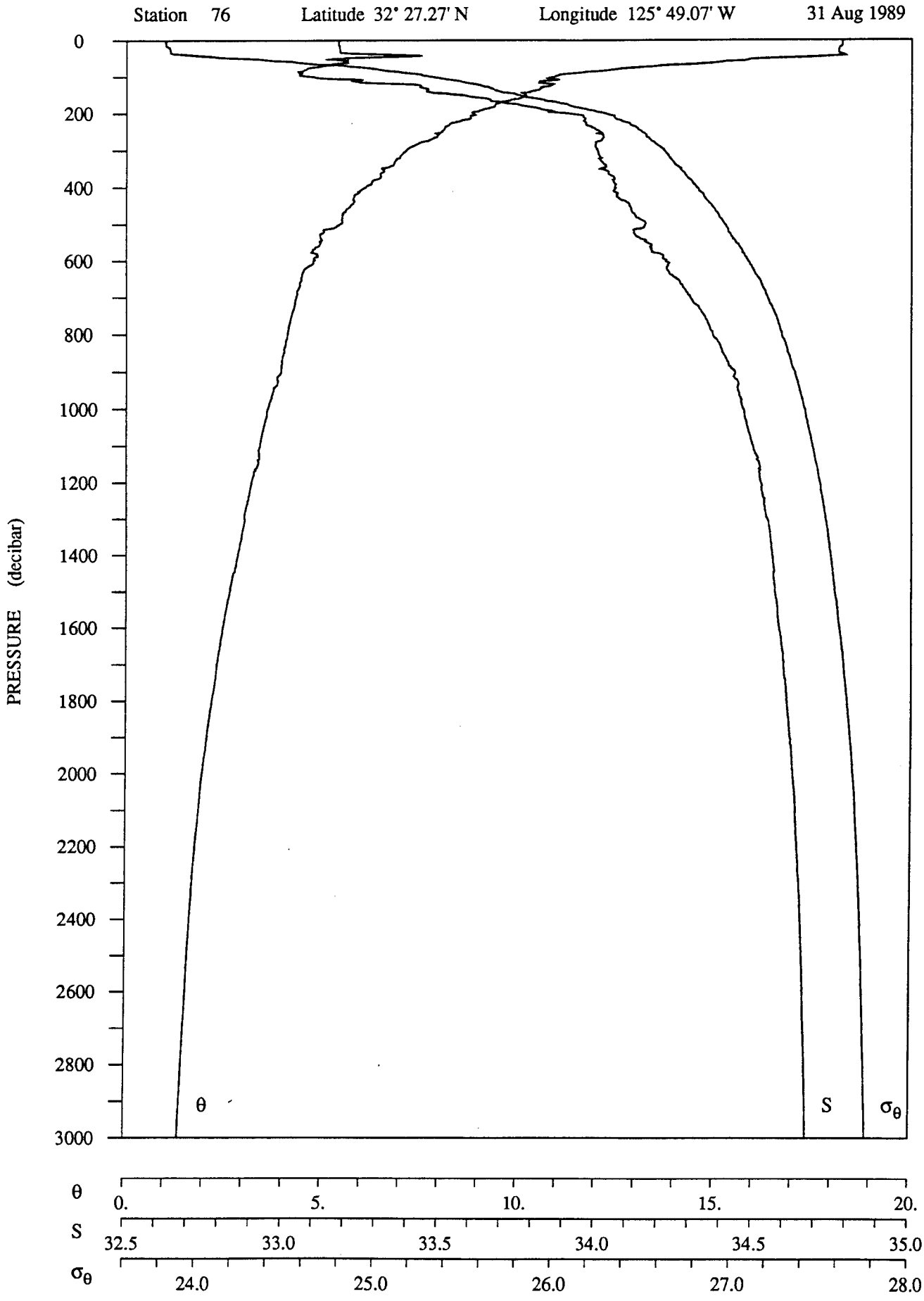

Station 73
Latitude 32° 10.13' N
Longitude 126° 27.39' W
30 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 74
Latitude 32° 23.03' N
Longitude 126° 20.39' W
31 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
S
σθ
θ
0.
5.
10.
15.
20.
S
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 74
Latitude 32° 23.03' N
Longitude 126° 20.39' W
31 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 75
Latitude 32° 36.51' N
Longitude 126° 11.63' W
31 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
S
σθ
θ
0.
5.
10.
15.
20.
S
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 75
Latitude 32° 36.51' N
Longitude 126° 11.63' W
31 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 76
Latitude 32° 27.27' N
Longitude 125° 49.07' W
31 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
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2400
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3000
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θ
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33.0
33.5
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35.0
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24.0
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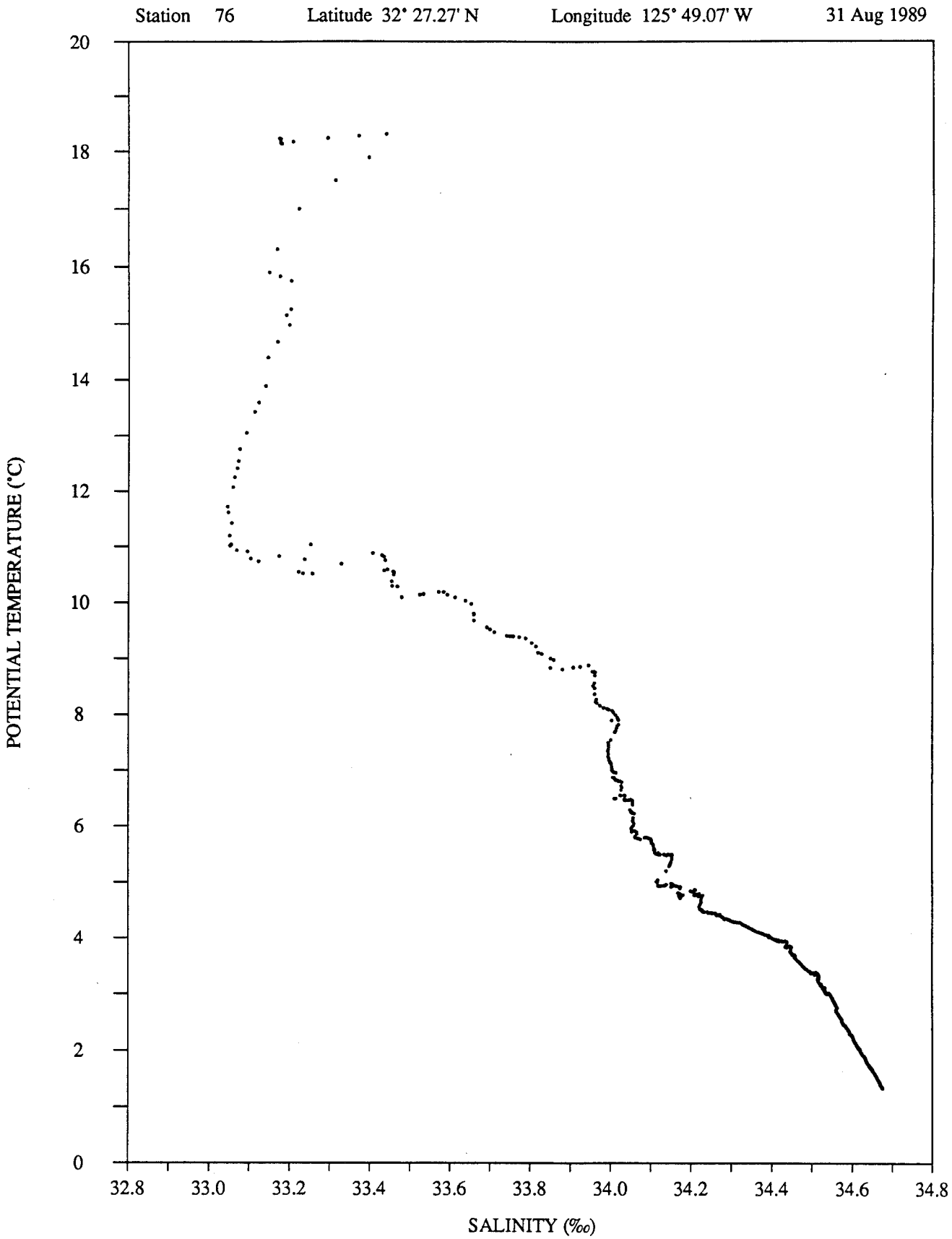
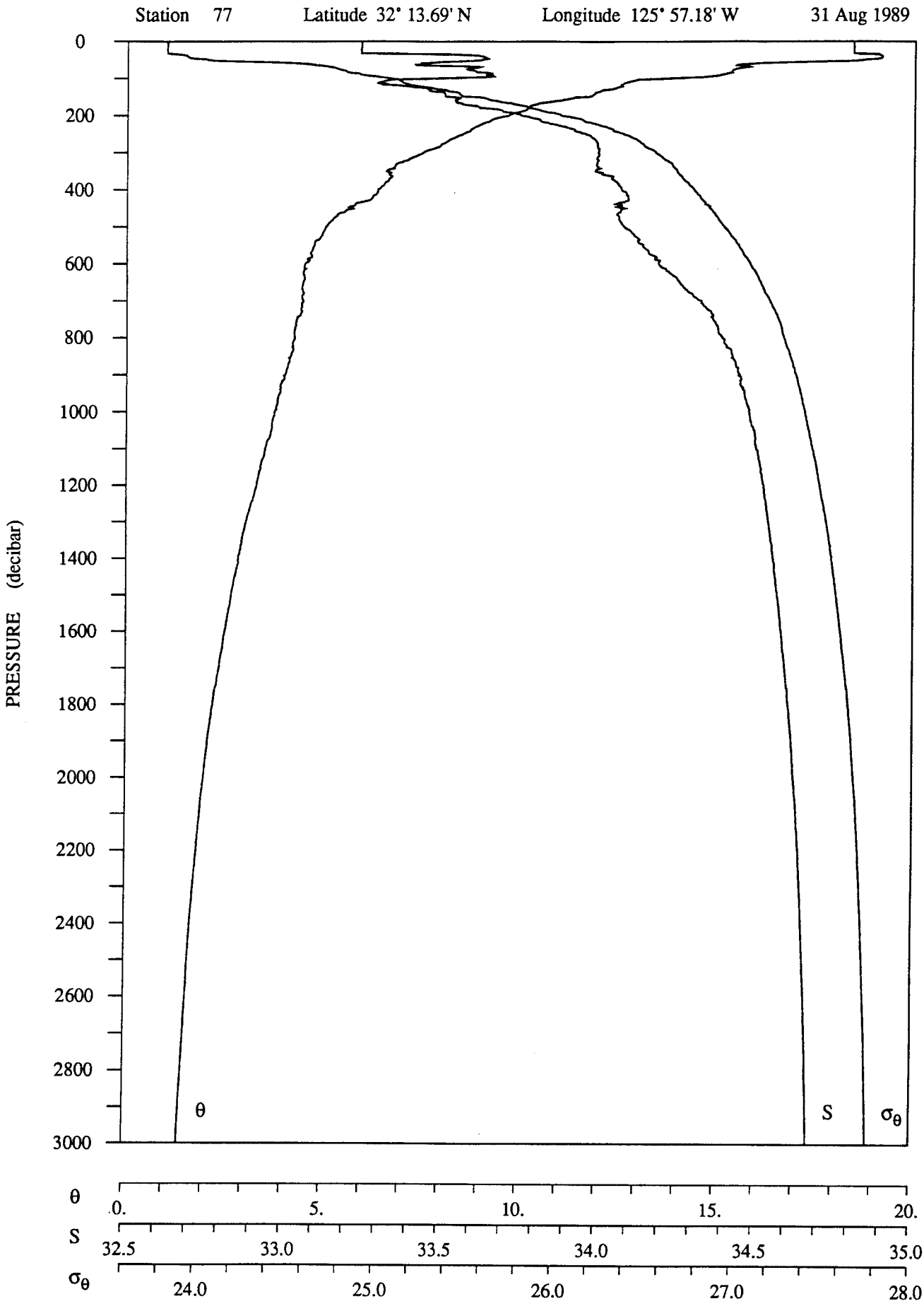
26.0
27.0
28.0


Station 76
Latitude 32° 27.27' N
Longitude 125° 49.07' W
31 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 77
Latitude 32° 13.69' N
Longitude 125° 57.18' W
31 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
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σθ
θ
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10.
15.
20.
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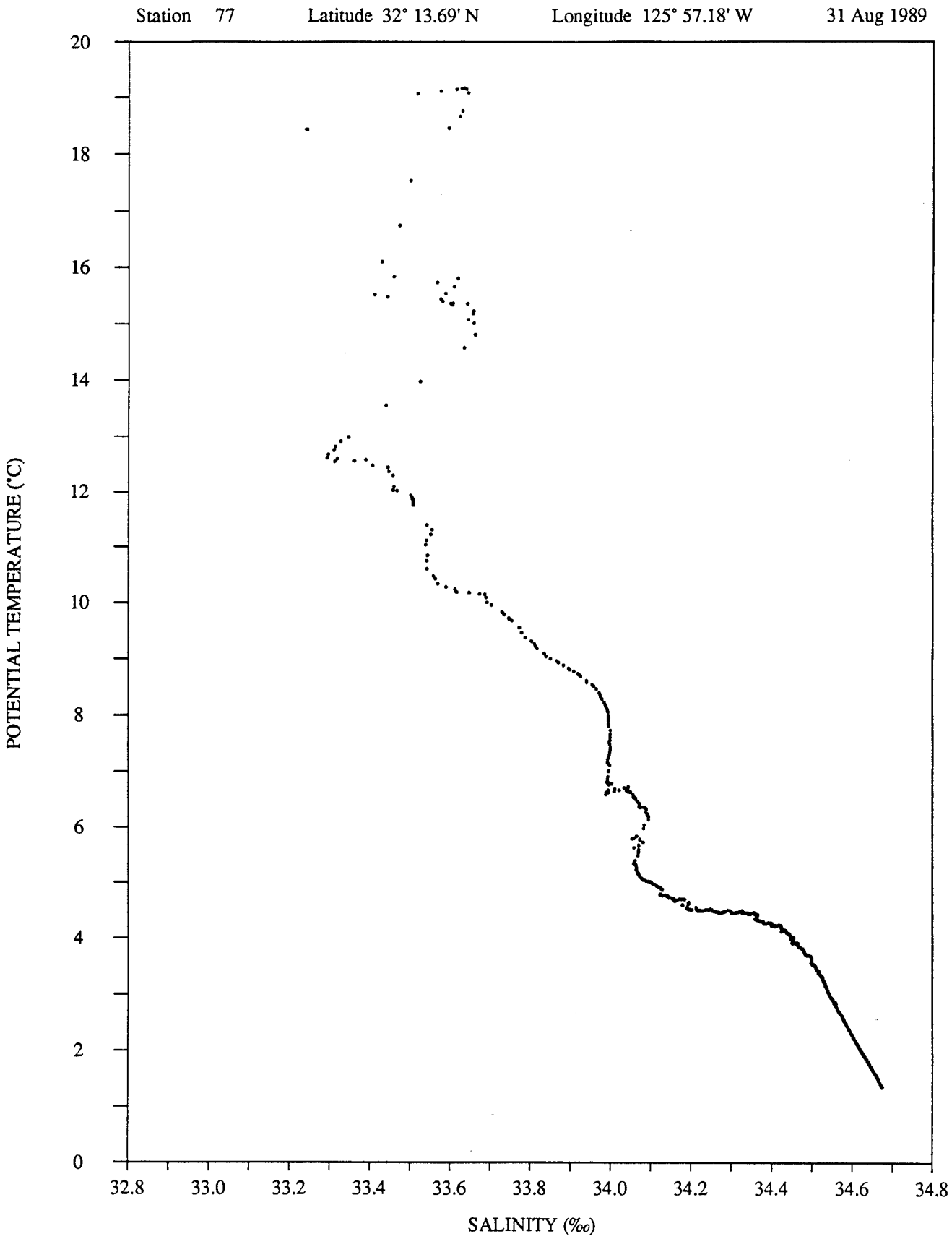
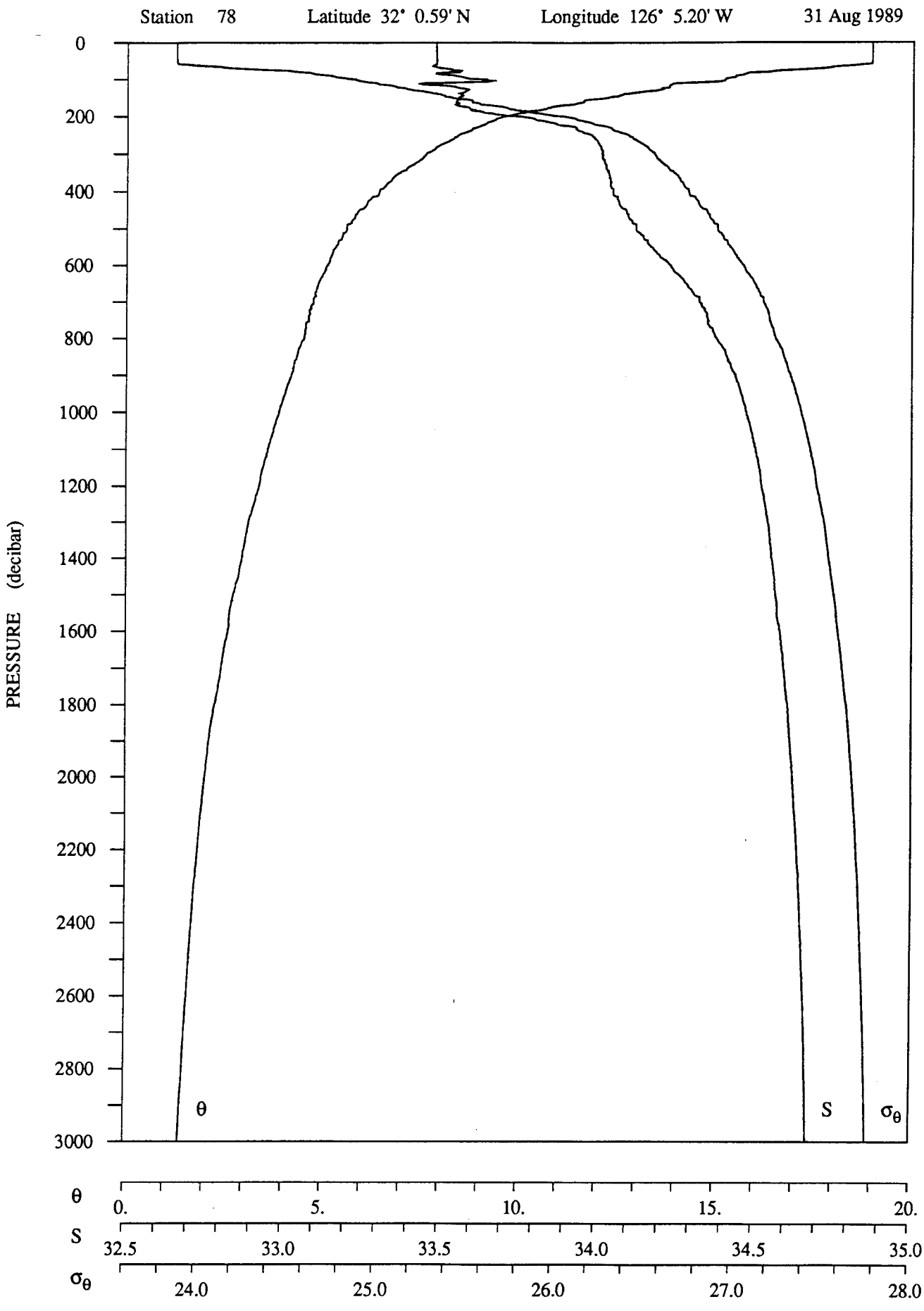
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 77
Latitude 32° 13.69' N
Longitude 125° 57.18' W
31 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)


Station 78
Latitude 32° 0.59' N
Longitude 126° 5.20' W
31 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
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σθ
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10.
15.
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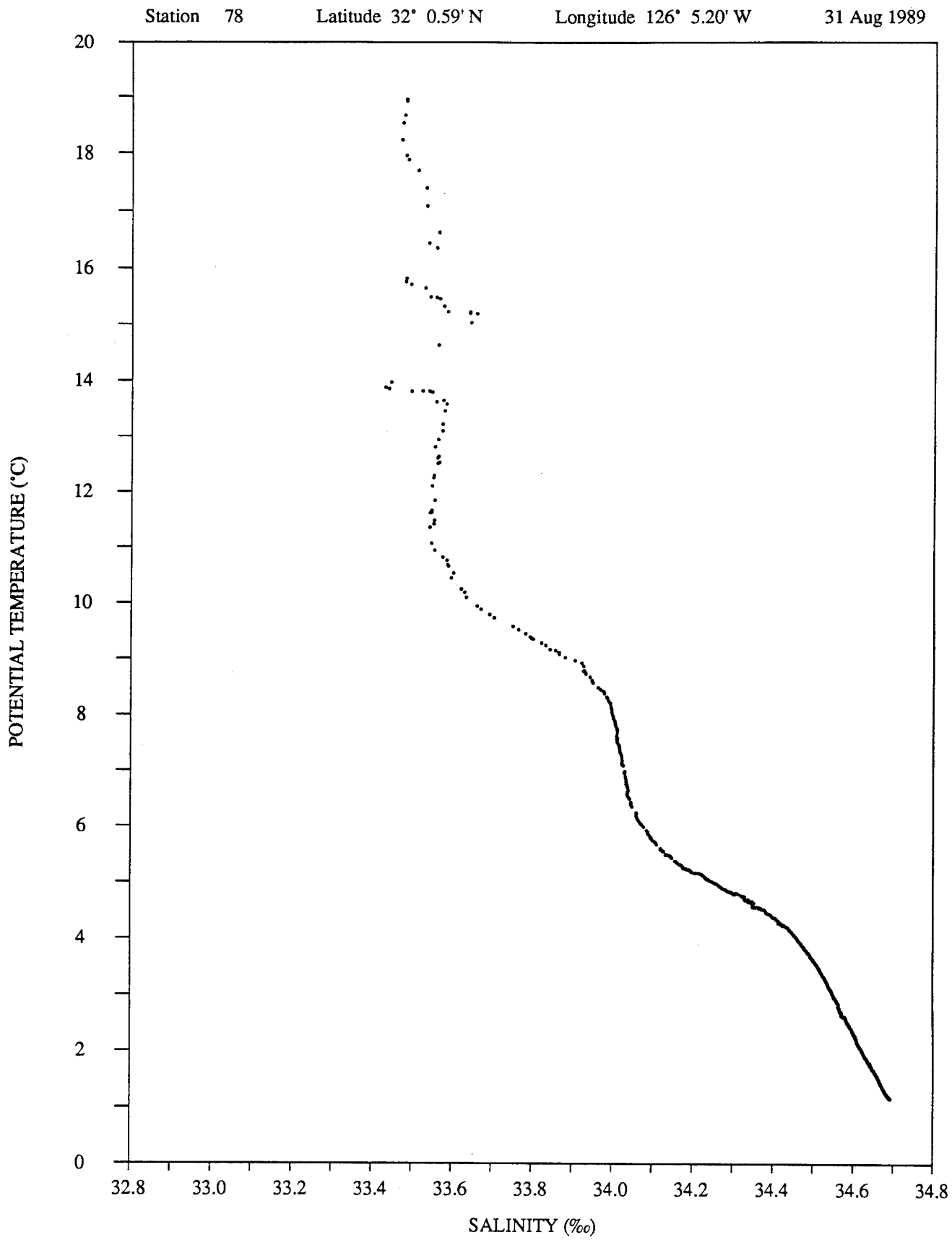
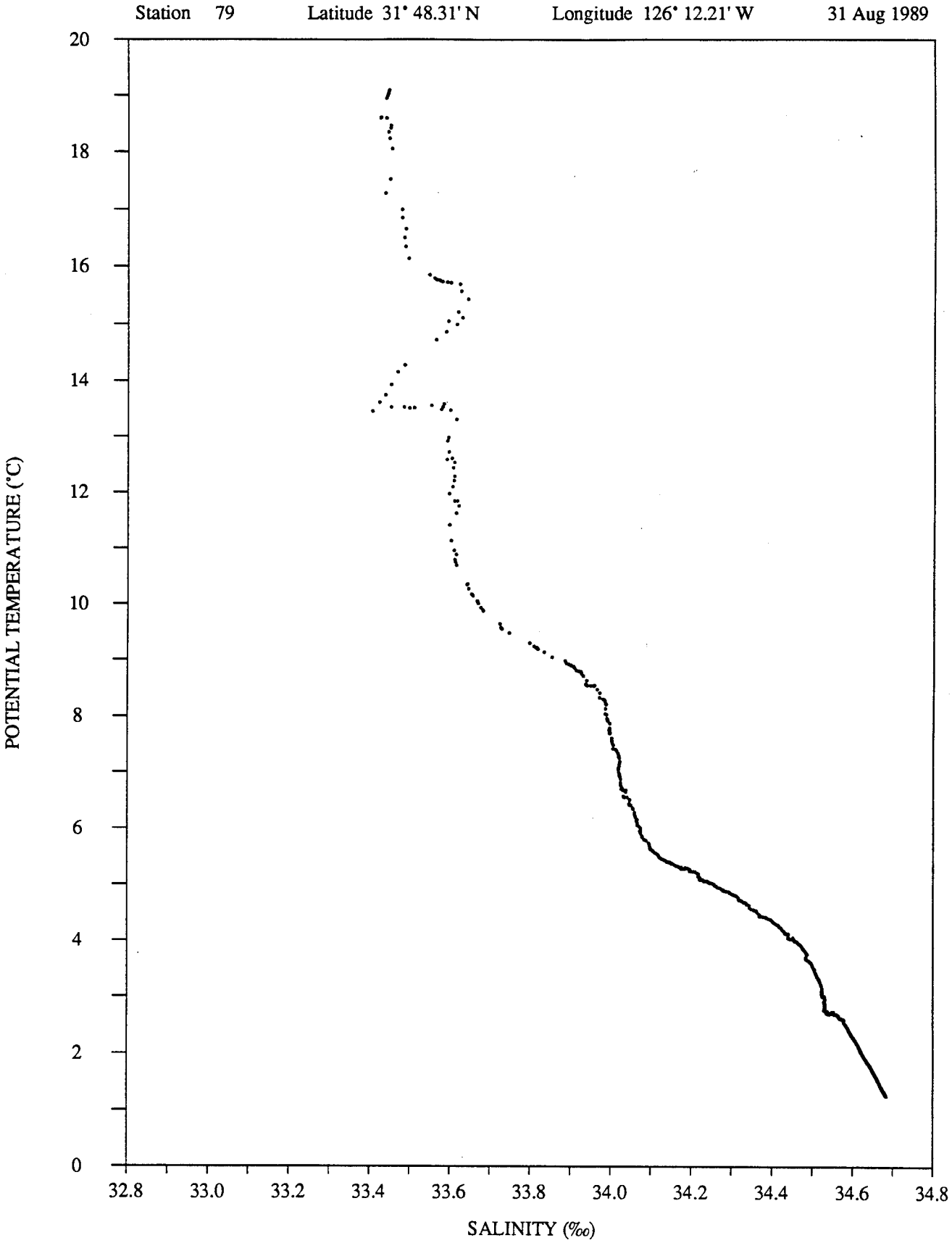
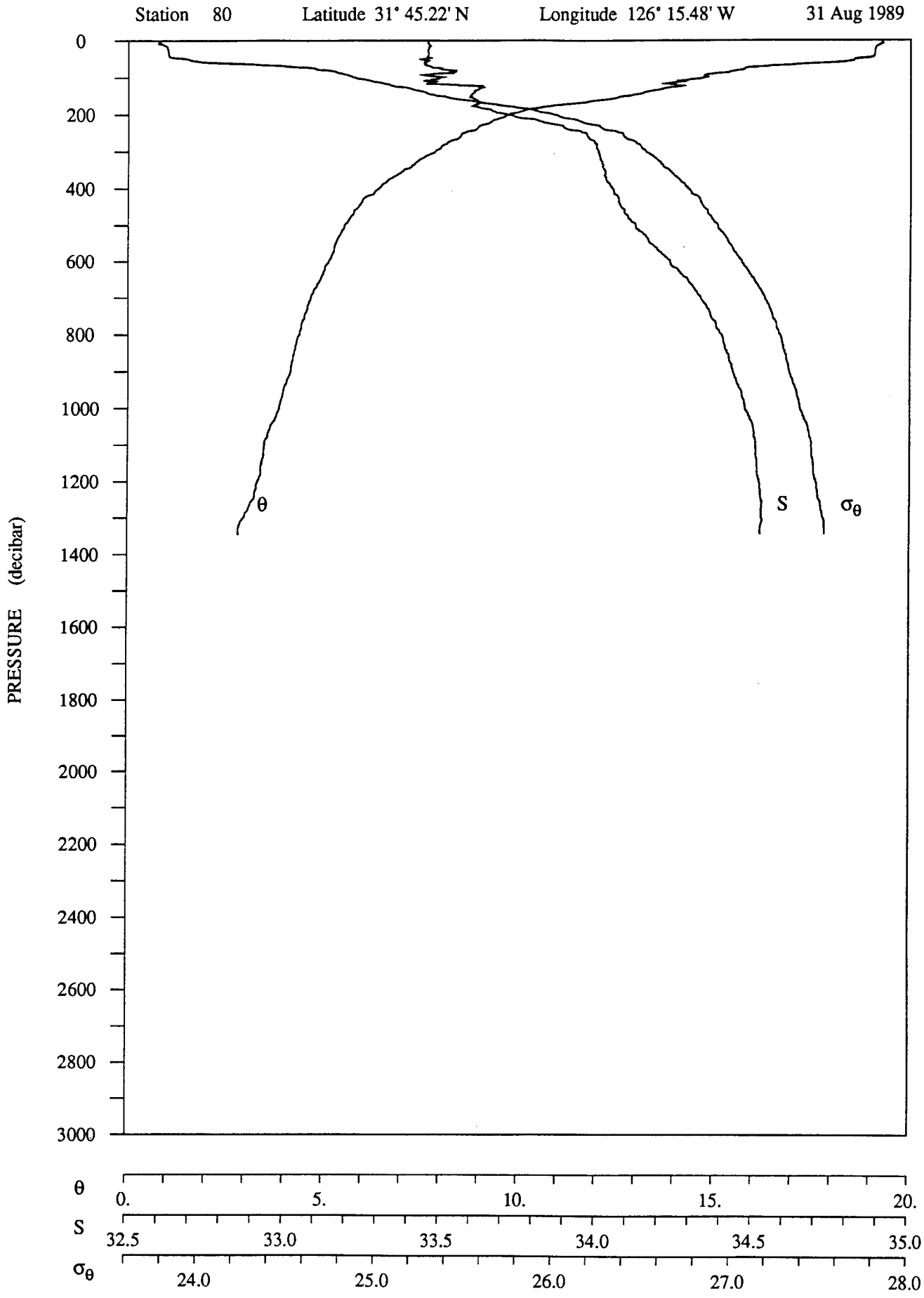
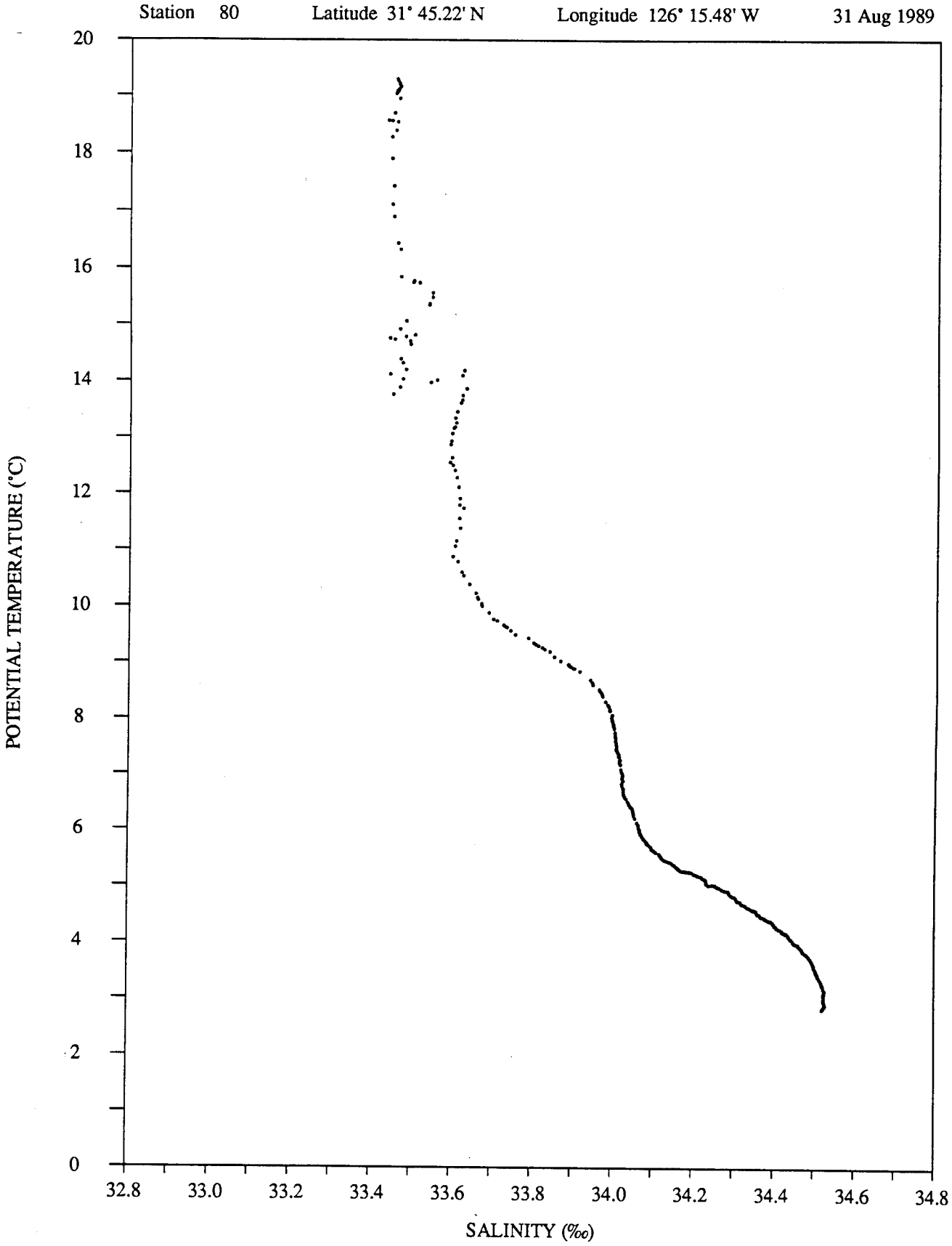
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 78
Latitude 32° 0.59' N
Longitude 126° 5.20' W
31 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)

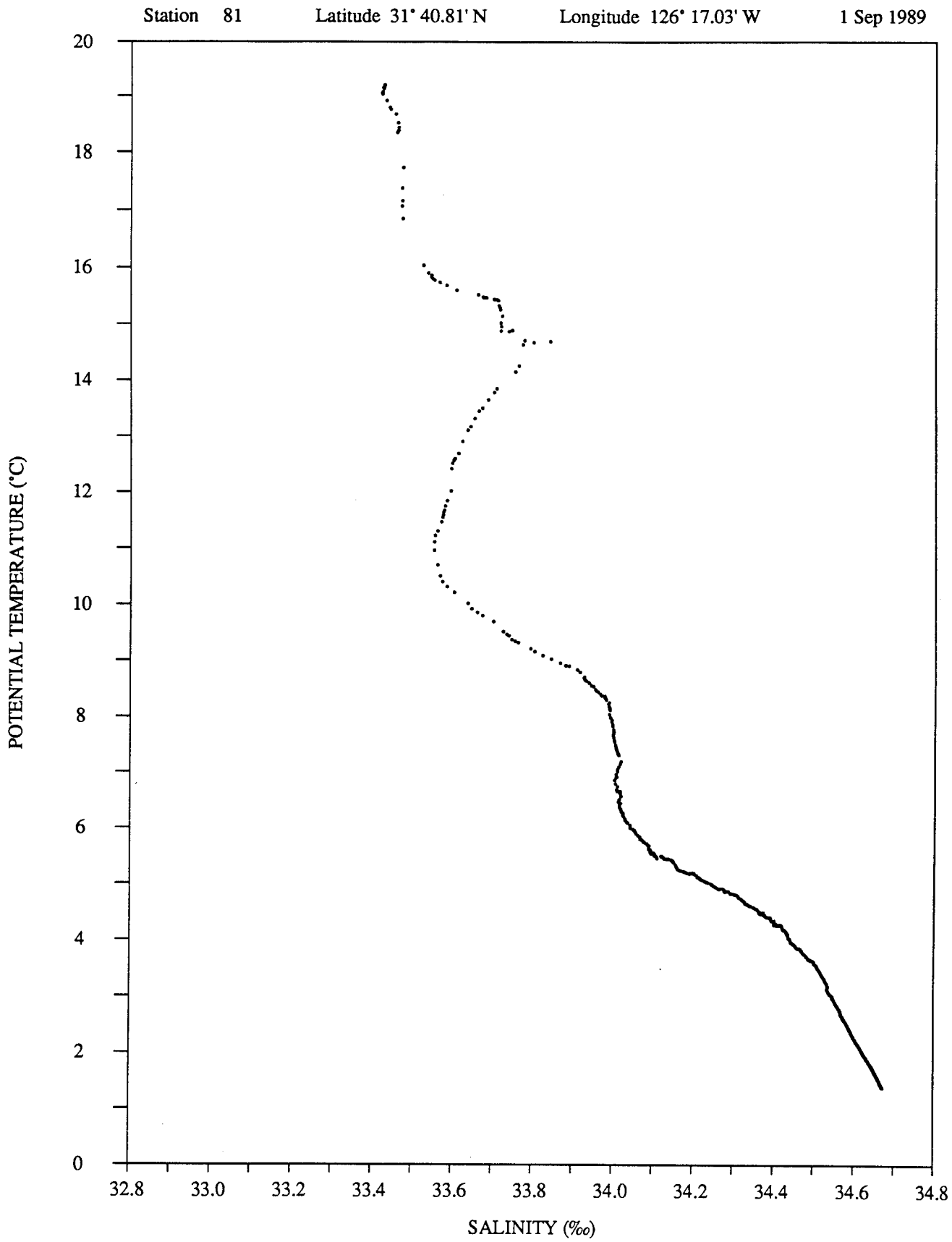
Station 79
Latitude 31° 48.31' N
Longitude 126° 12.21' W
31 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
S
σθ
θ
0.
5.
10.
15.
20.
S
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0

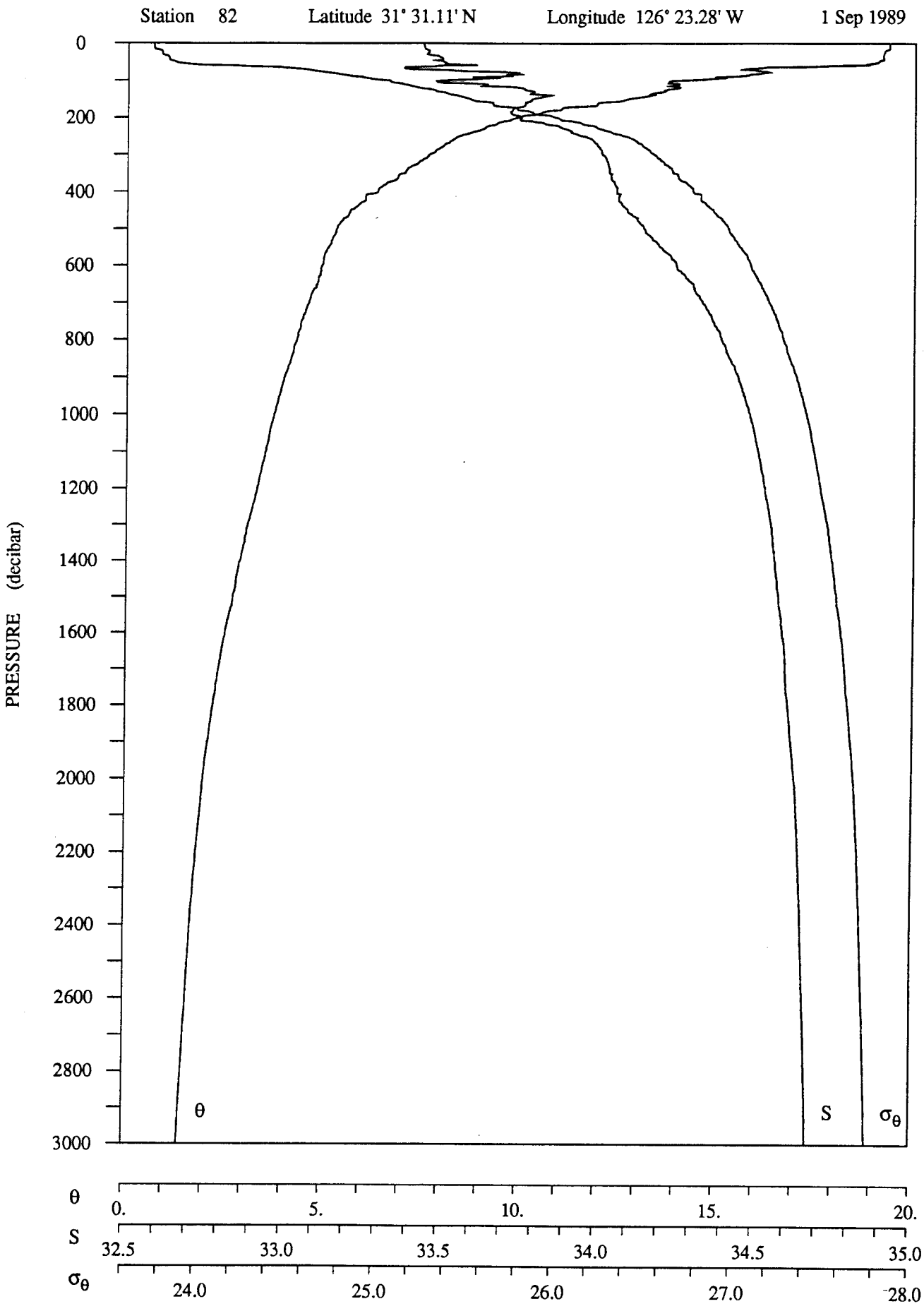

Station 79
Latitude 31° 48.31' N
Longitude 126° 12.21' W
31 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)

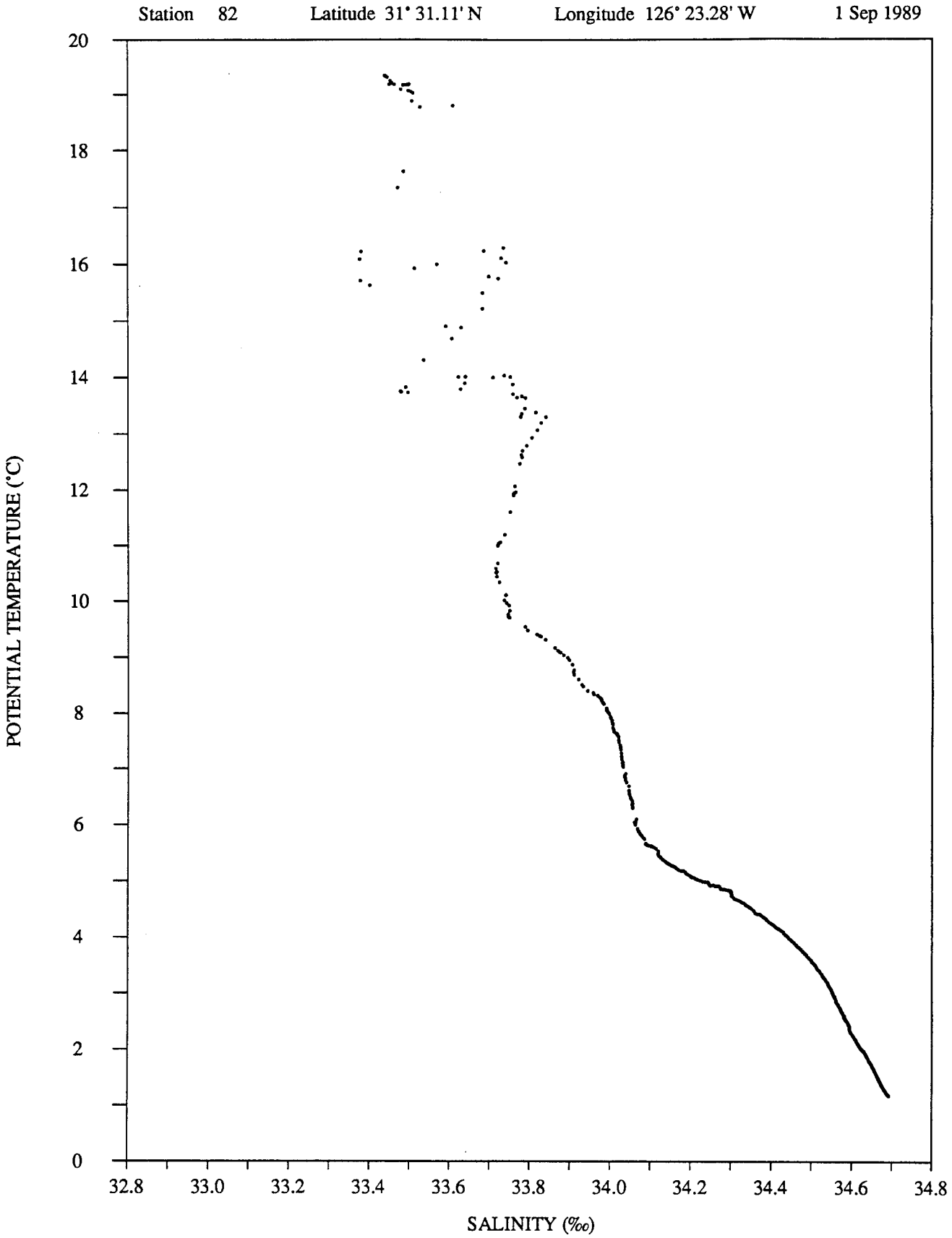

Station 80
Latitude 31° 45.22' N
Longitude 126° 15.48' W
31 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
S
σθ
θ
0.
5.
10.
15.
20.
S
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0

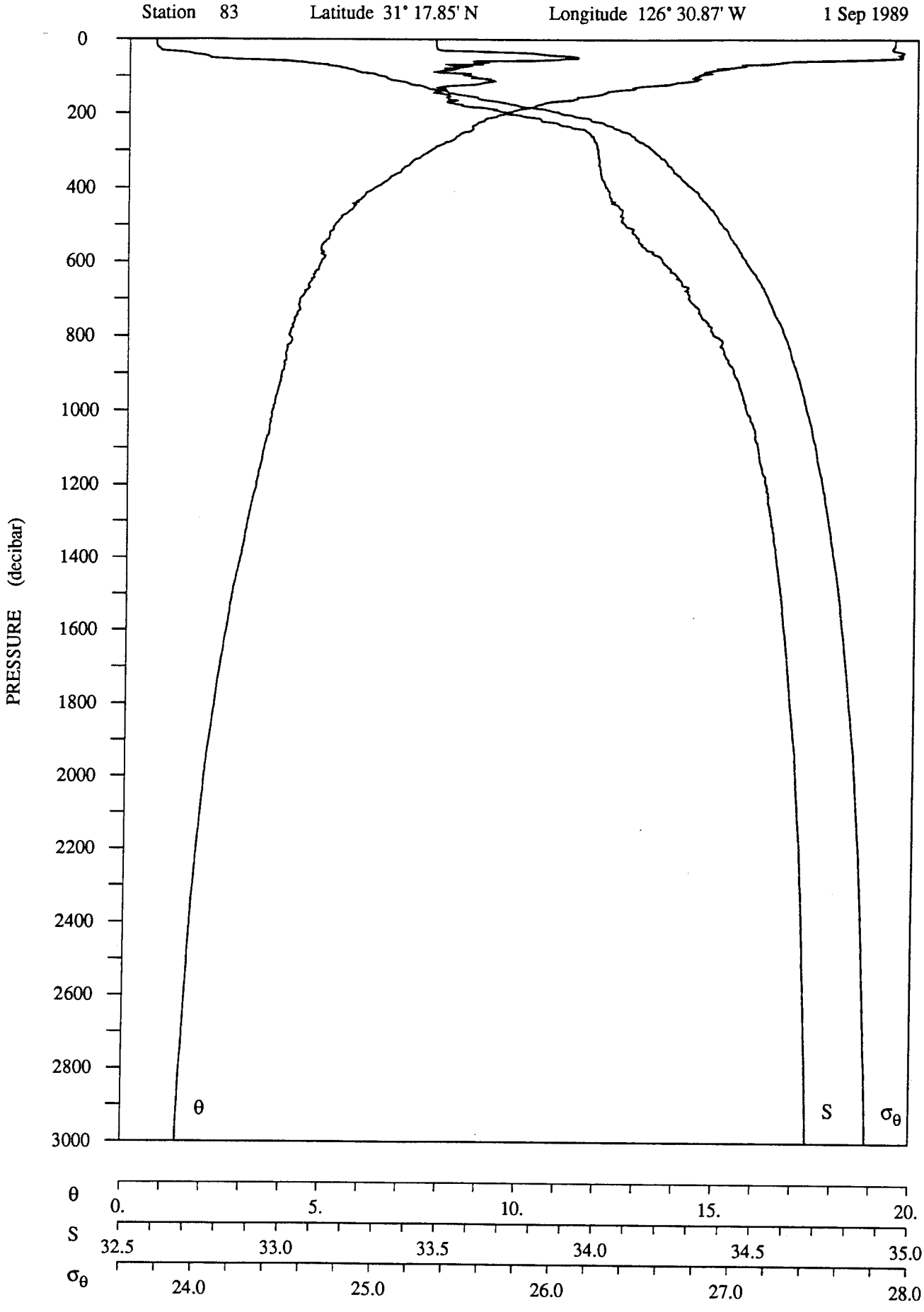

Station 80
Latitude 31° 45.22' N
Longitude 126° 15.48' W
31 Aug 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)

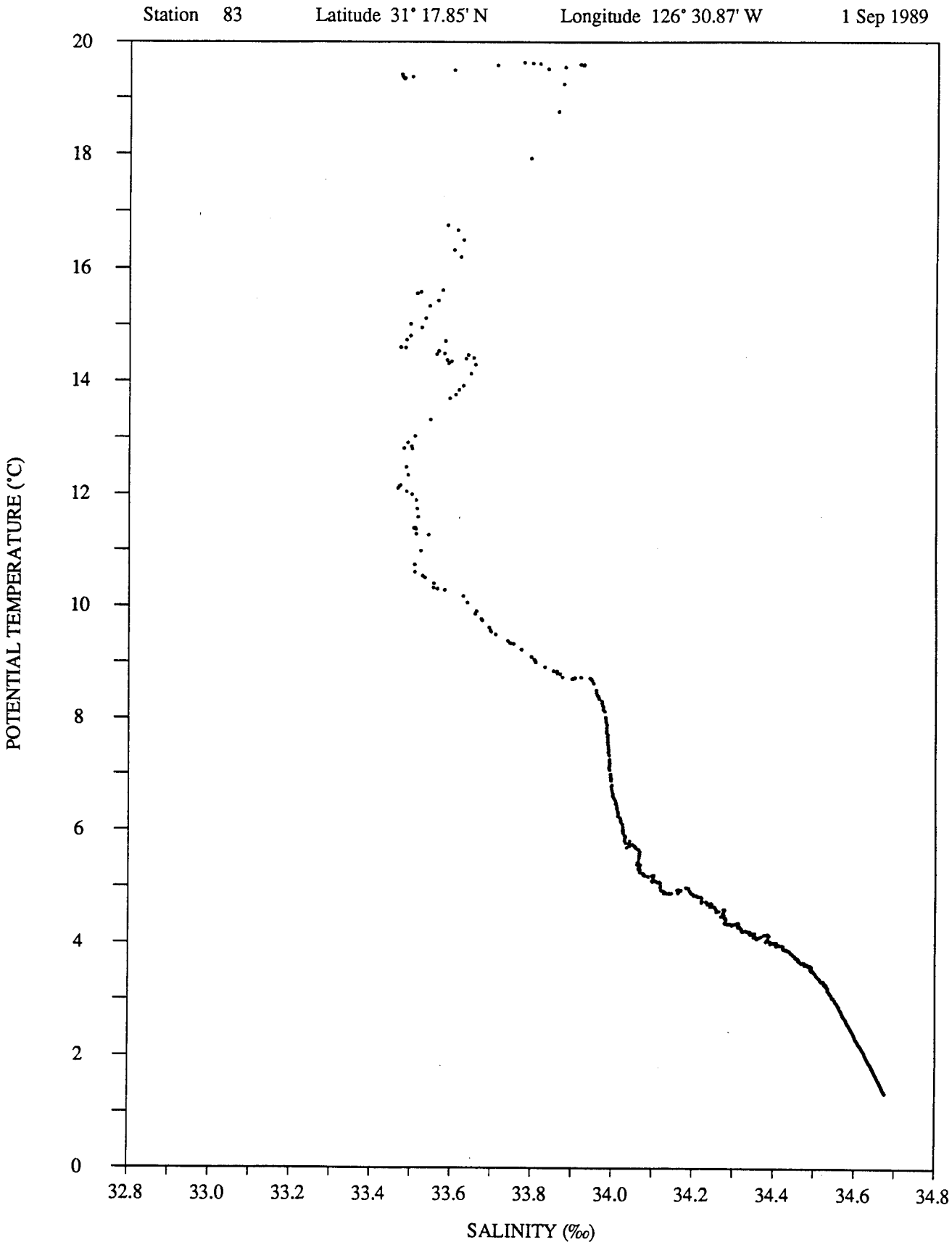
Station 81
Latitude 31° 40.81' N
Longitude 126° 17.03' W
1 Sep 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
S
σθ
θ
0.
5.
10.
15.
20.
S
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 81
Latitude 31° 40.81' N
Longitude 126° 17.03' W
1 Sep 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)

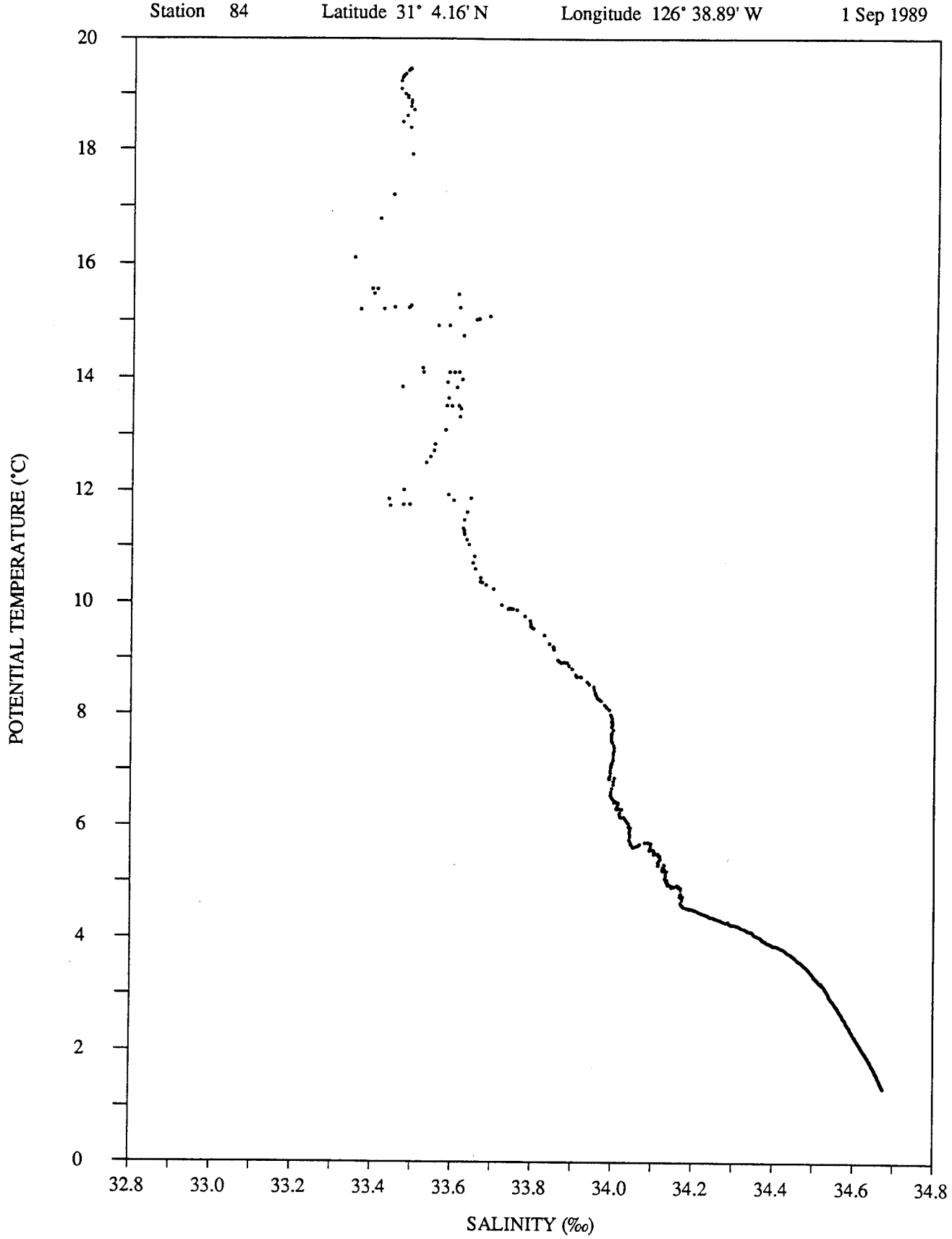

Station 82
Latitude 31° 31.11' N
Longitude 126° 23.28' W
1 Sep 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
S
σθ
θ
0.
5.
10.
15.
20.
S
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0


Station 82
Latitude 31° 31.11' N
Longitude 126° 23.28' W
1 Sep 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)

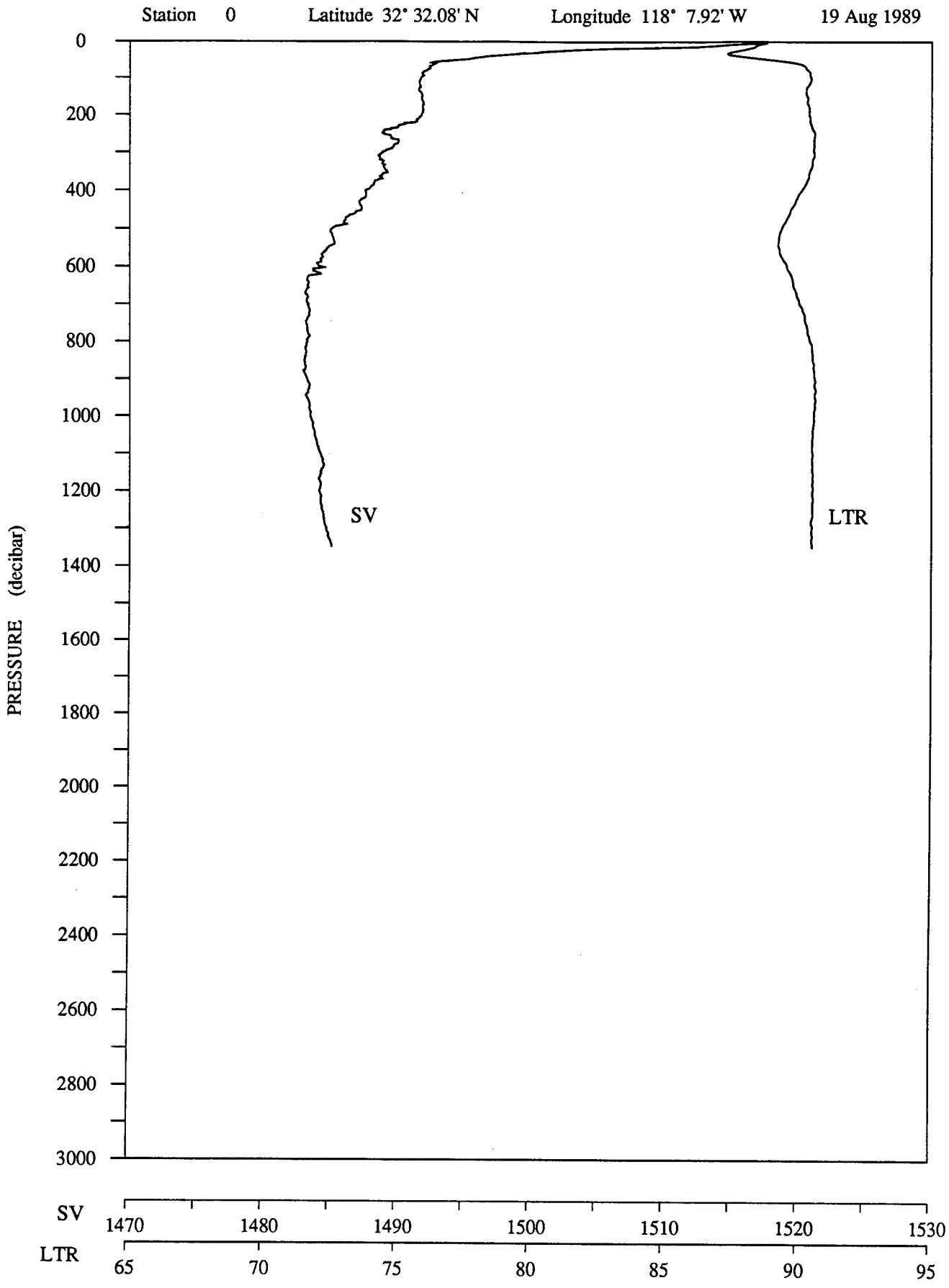

Station 83
Latitude 31° 17.85' N
Longitude 126° 30.87' W
1 Sep 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
S
σθ
θ
0.
5.
10.
15.
20.
S
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0

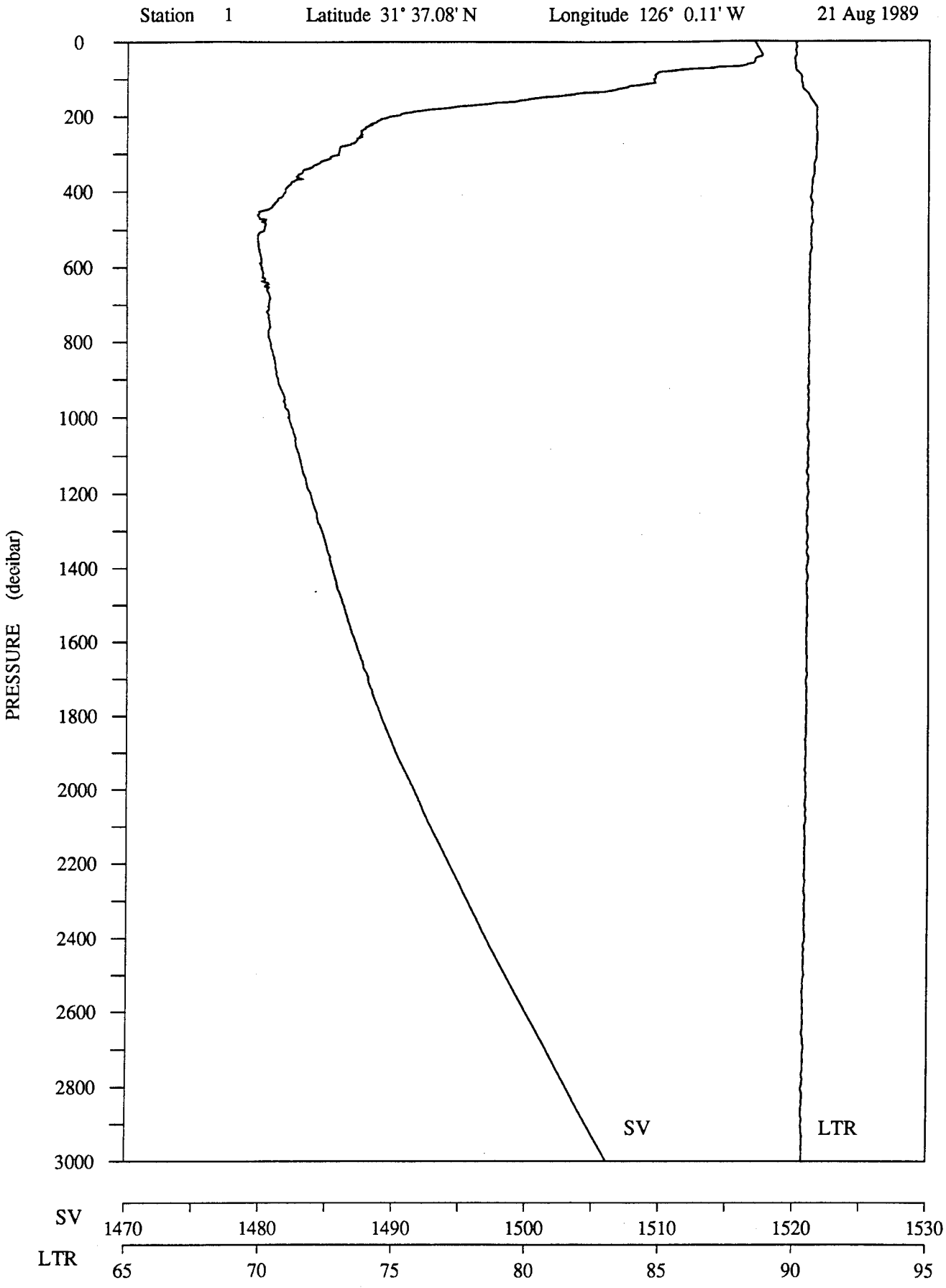

Station 83
Latitude 31° 17.85' N
Longitude 126° 30.87' W
1 Sep 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)

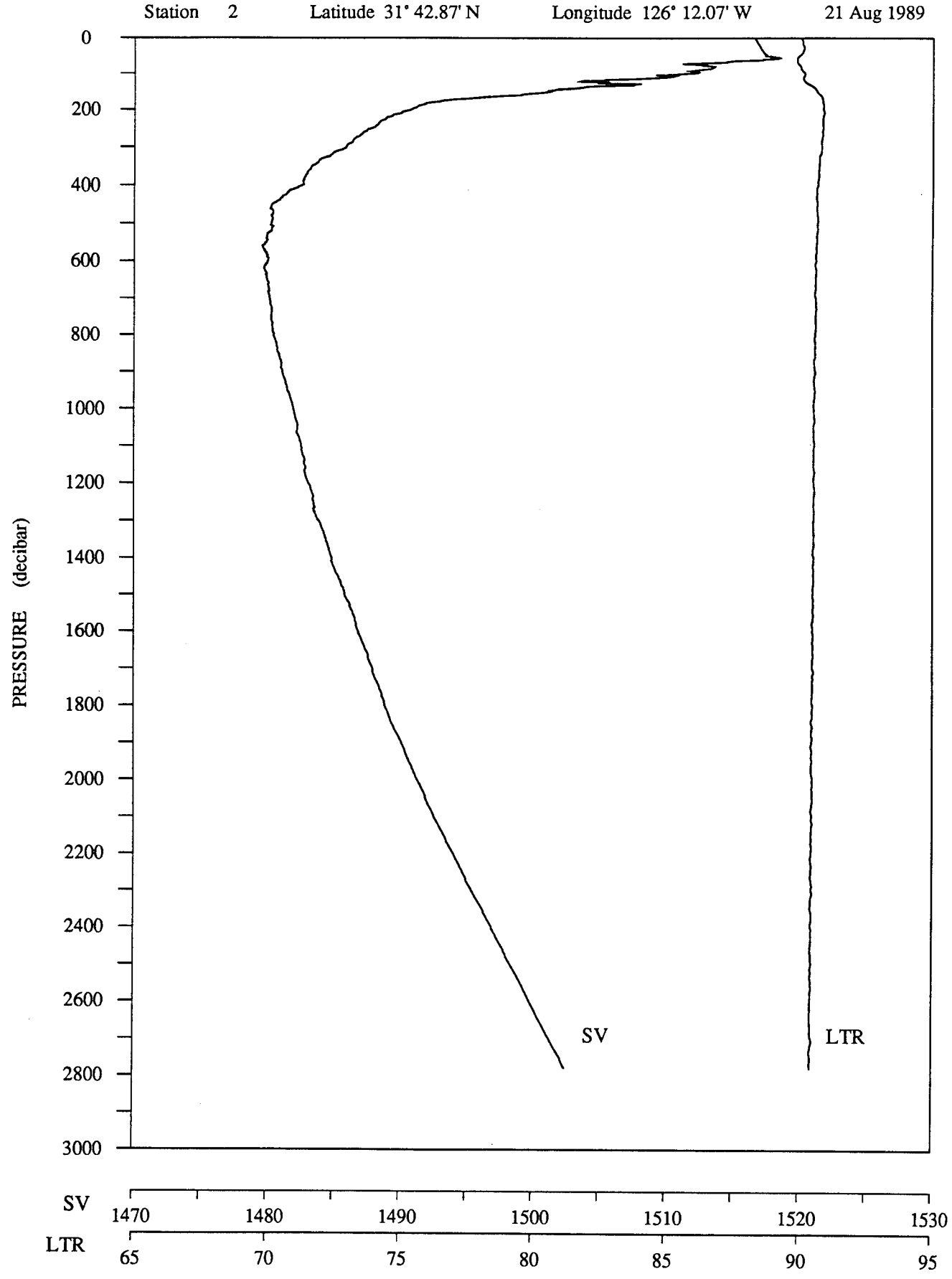
Station 84
Latitude 31° 4.16' N
Longitude 126° 38.89' W
1 Sep 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
θ
S
σθ
θ
0.
5.
10.
15.
20.
S
32.5
33.0
33.5
34.0
34.5
35.0
σθ
24.0
25.0
26.0
27.0
28.0

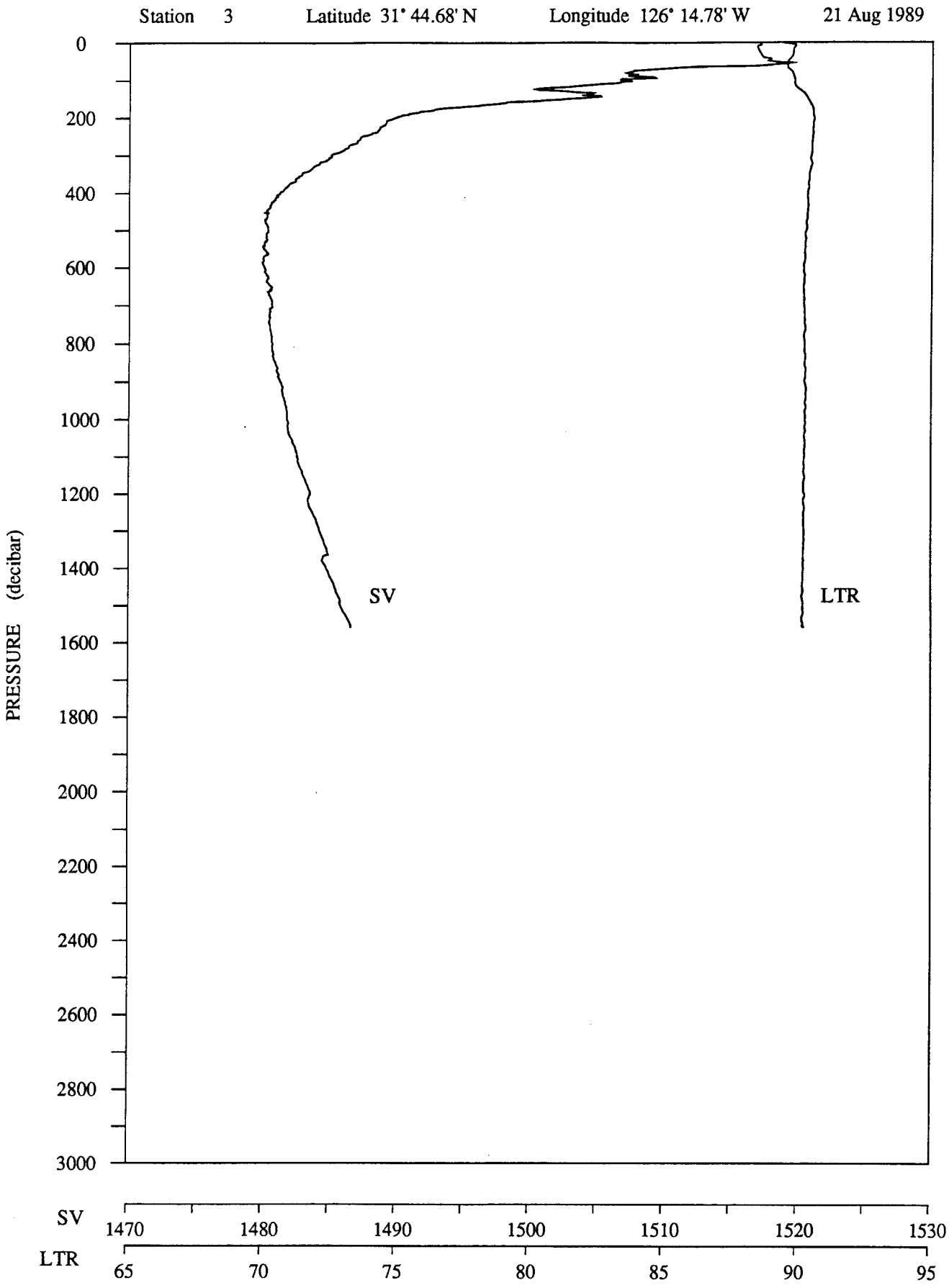

Station 84
Latitude 31° 4.16' N
Longitude 126° 38.89' W
1 Sep 1989
POTENTIAL TEMPERATURE (°C)
20
18
16
14
12
10
8
6
4
2
0
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4
34.6
34.8
SALINITY (‰)

Sound Speed
Light Transmission
Profiles


Station 0
Latitude 32° 32.08' N
Longitude 118° 7.92' W
19 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
SV
LTR
SV
1470
1480
1490
1500
1510
1520
1530
LTR
65
70
75
80
85
90
95


Station 1
Latitude 31° 37.08' N
Longitude 126° 0.11' W
21 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
SV
LTR
SV
1470
1480
1490
1500
1510
1520
1530
LTR
65
70
75
80
85
90
95


Station 2
Latitude 31° 42.87' N
Longitude 126° 12.07' W
21 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
SV
LTR
SV
1470
1480
1490
1500
1510
1520
1530
LTR
65
70
75
80
85
90
95


Station 3
Latitude 31° 44.68' N
Longitude 126° 14.78' W
21 Aug 1989
PRESSURE (decibar)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
SV
LTR
SV
1470
1480
1490
1500
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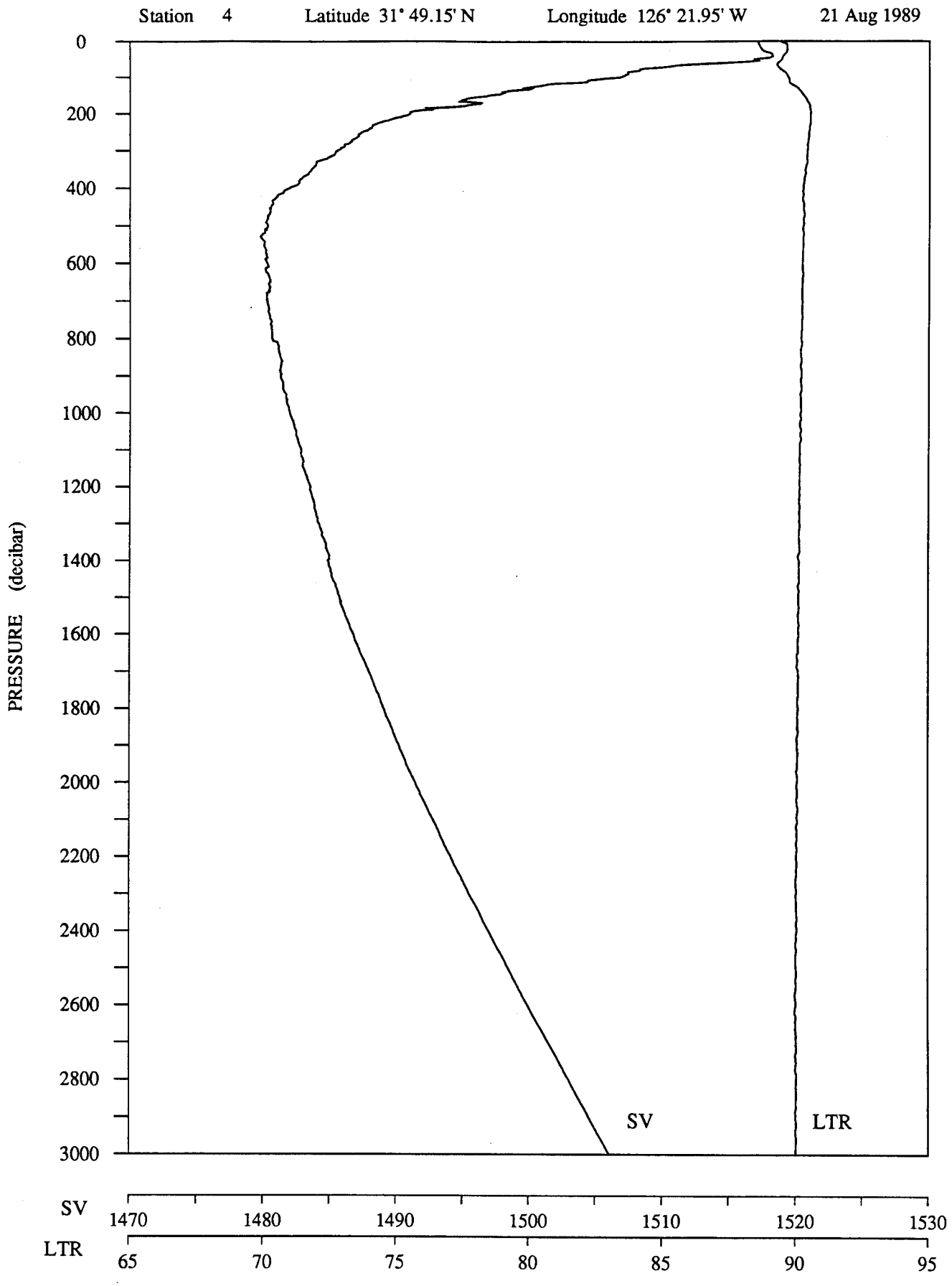
Station 4
Latitude 31° 49.15' N
Longitude 126° 21.95' W
21 Aug 1989
PRESSURE (decibar)
0
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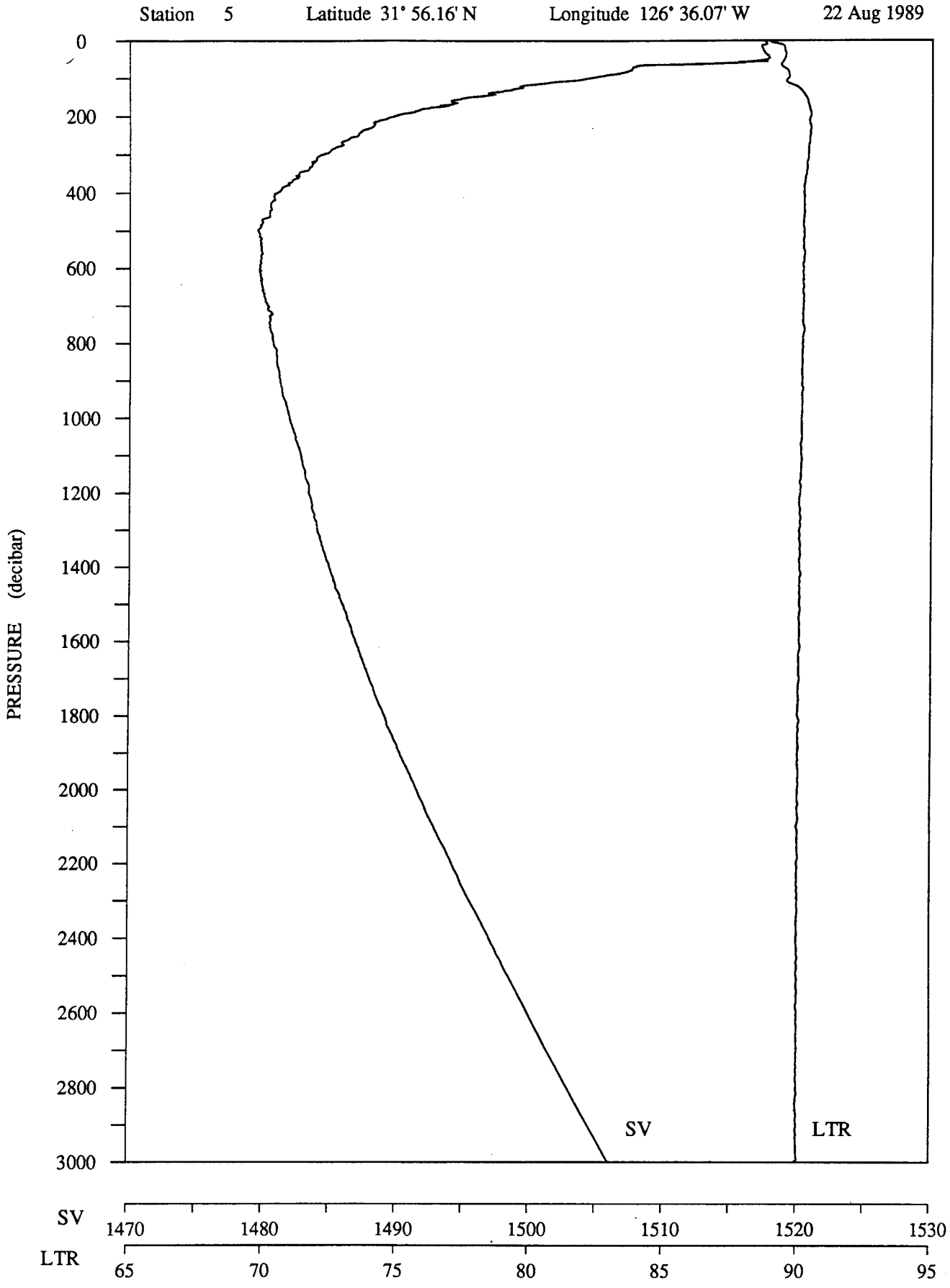
Station 5
Latitude 31° 56.16' N
Longitude 126° 36.07' W
22 Aug 1989
PRESSURE (decibar)
0
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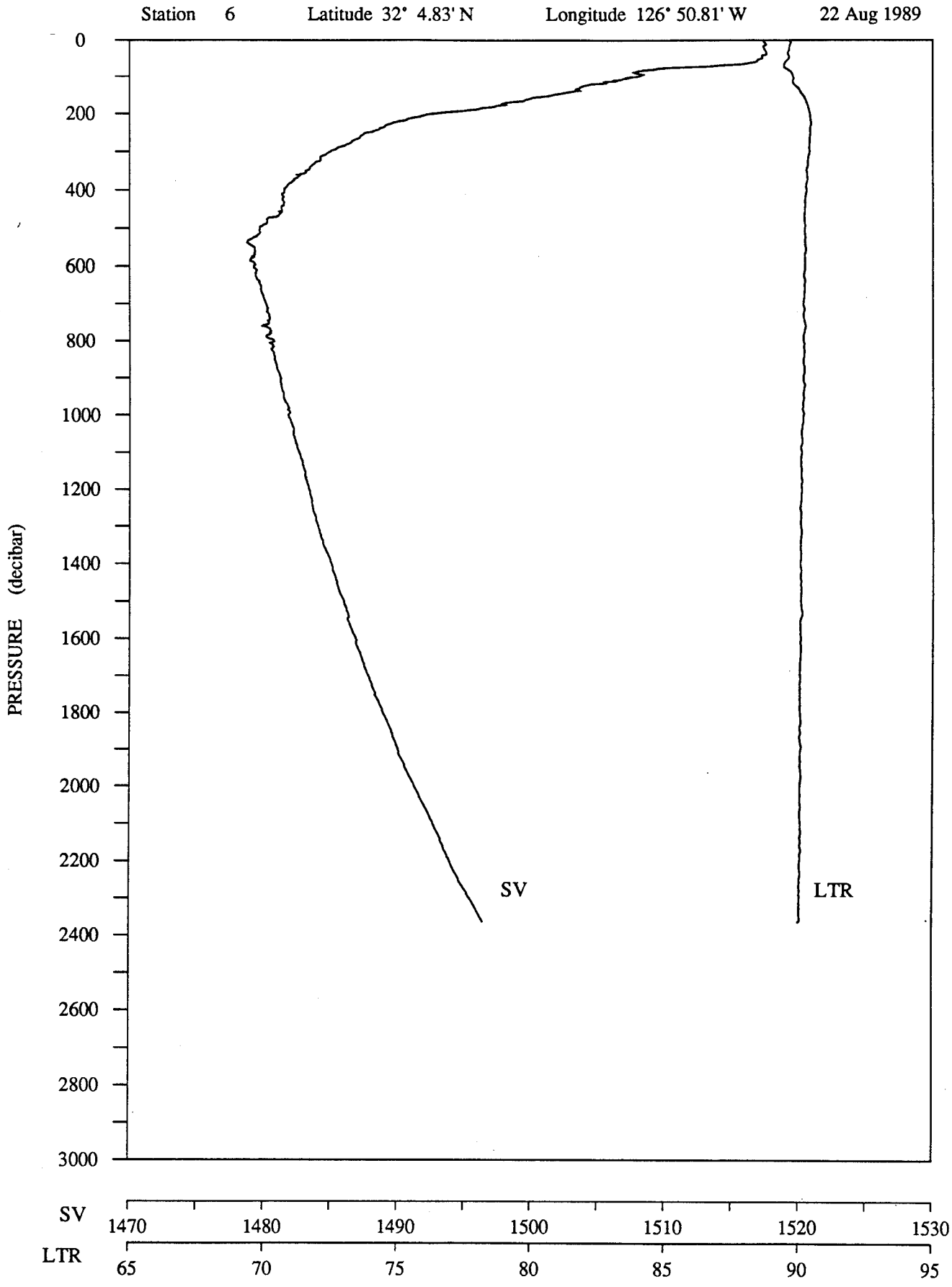
Station 6
Latitude 32° 4.83' N
Longitude 126° 50.81' W
22 Aug 1989
PRESSURE (decibar)
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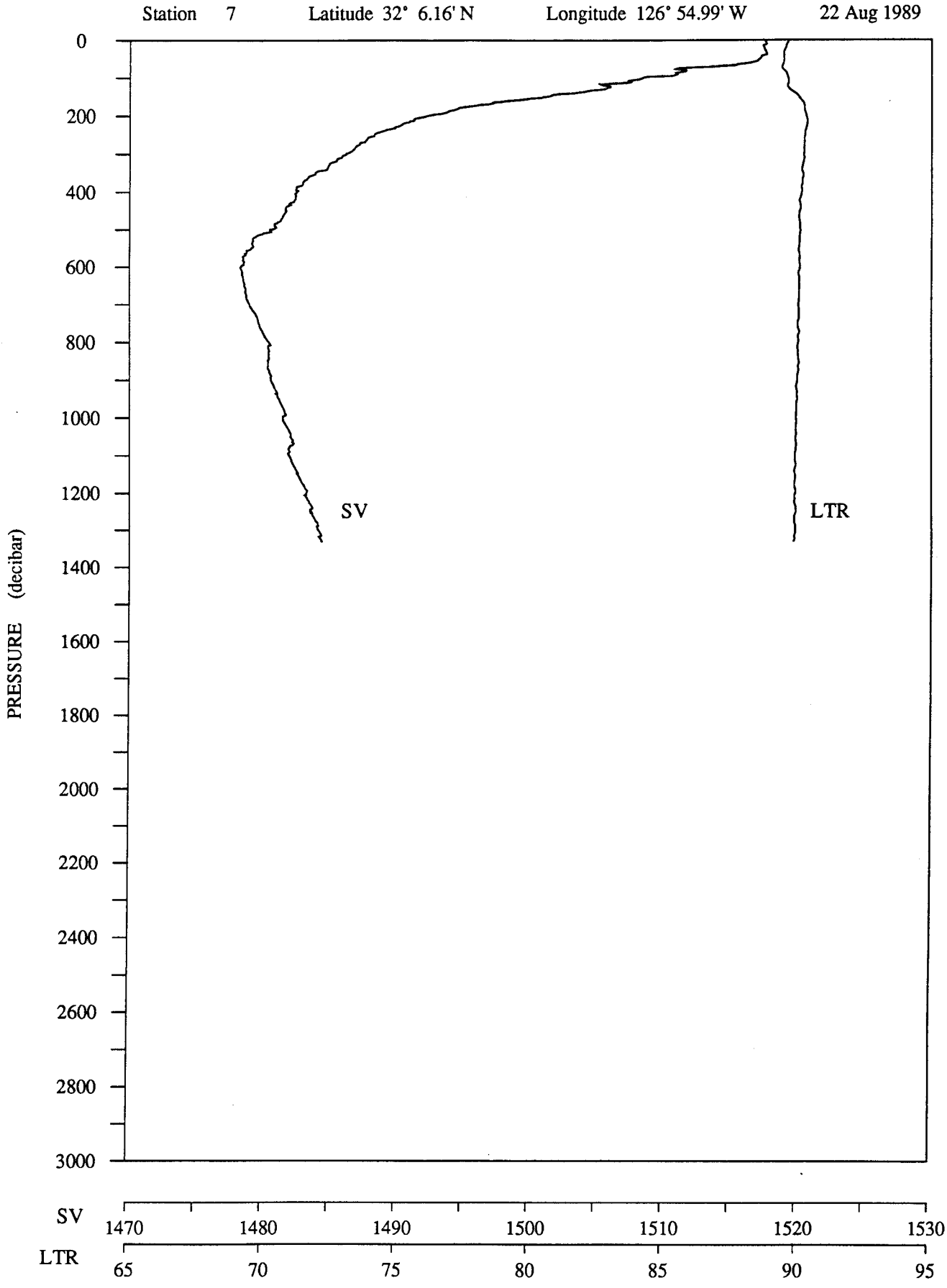
Station 7
Latitude 32° 6.16' N
Longitude 126° 54.99' W
22 Aug 1989
PRESSURE (decibar)
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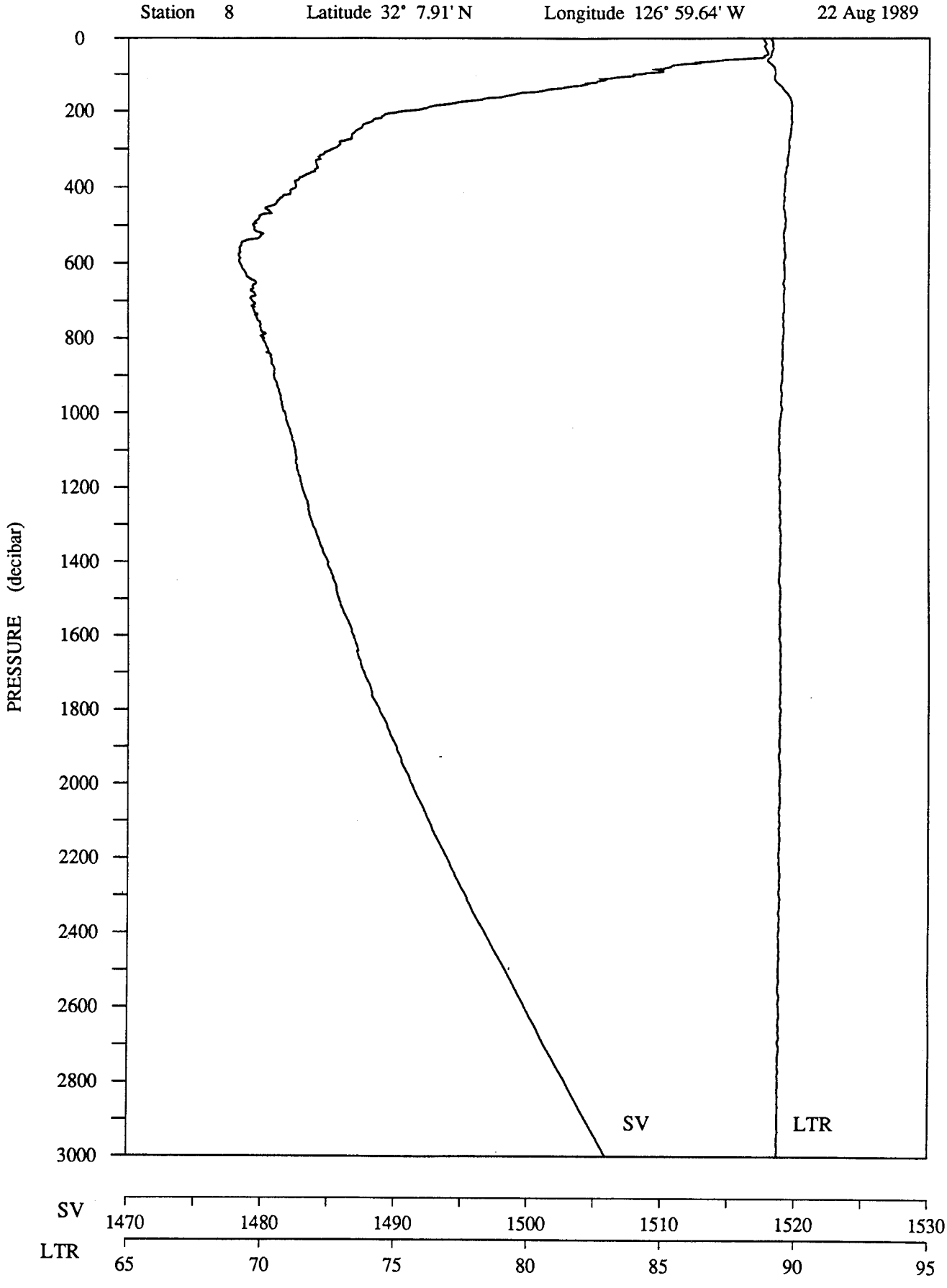
Station 8
Latitude 32° 7.91' N
Longitude 126° 59.64' W
22 Aug 1989
PRESSURE (decibar)
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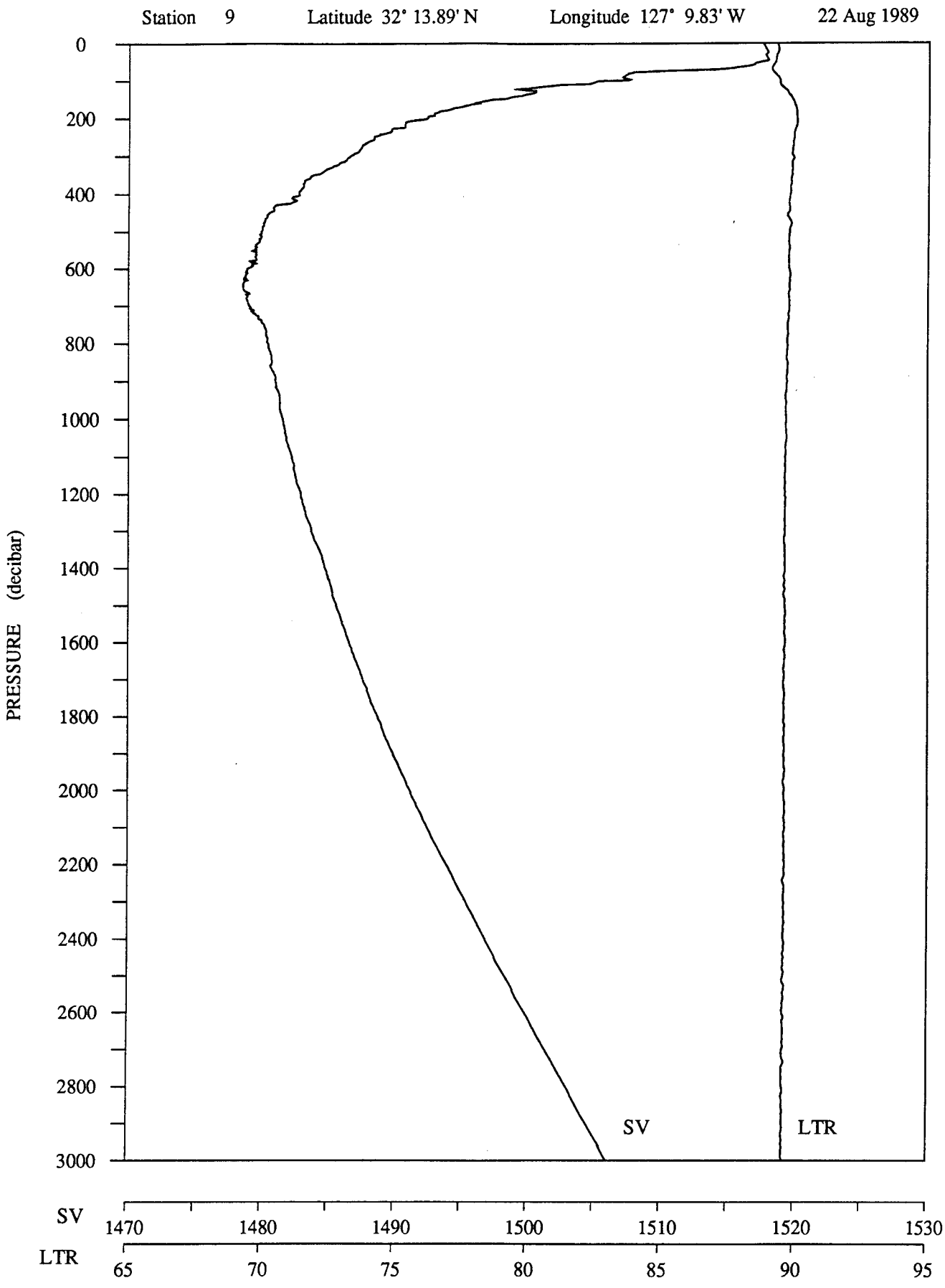
Station 9
Latitude 32° 13.89' N
Longitude 127° 9.83' W
22 Aug 1989
PRESSURE (decibar)
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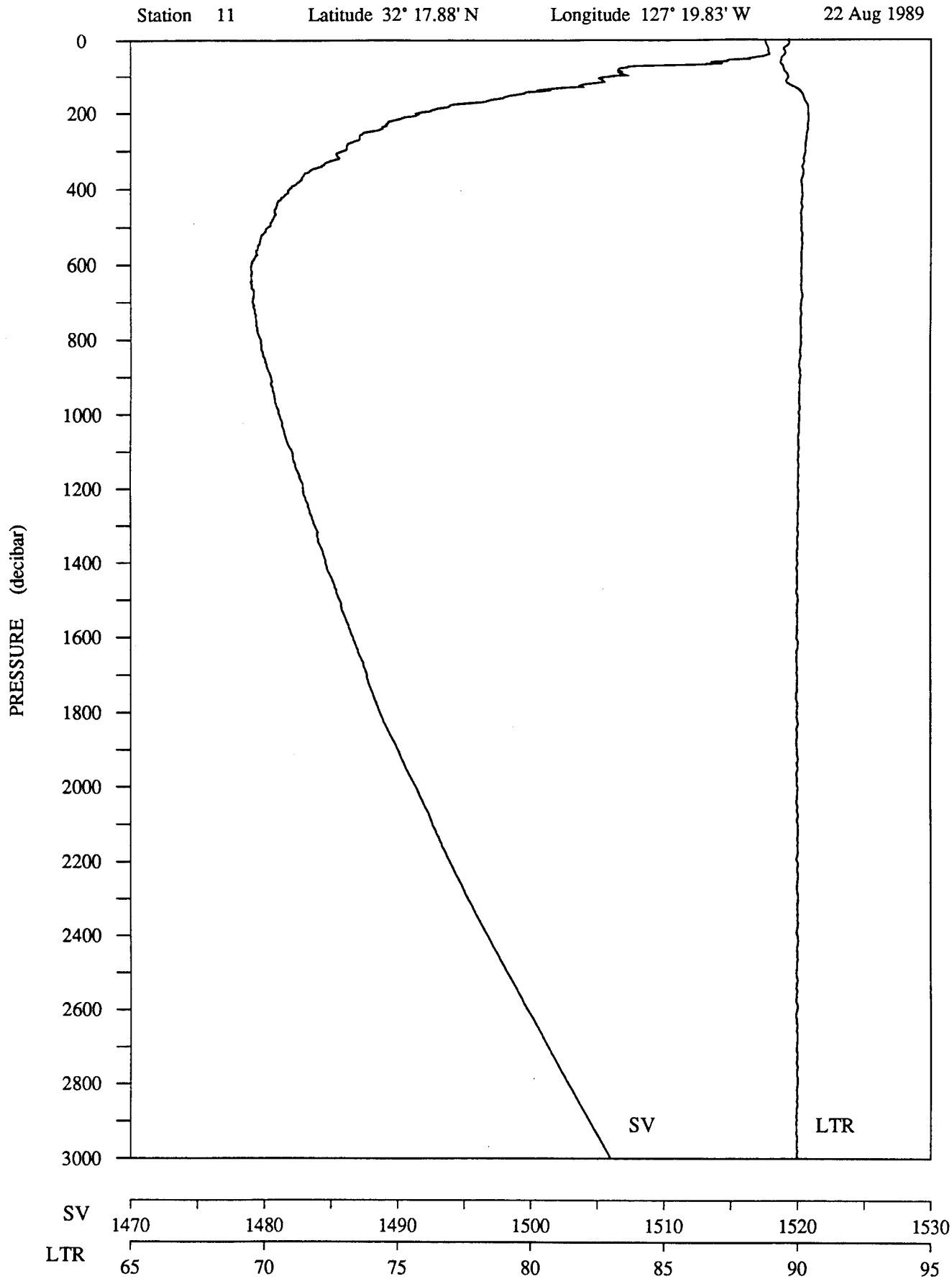
Station 11
Latitude 32° 17.88' N
Longitude 127° 19.83' W
22 Aug 1989
PRESSURE (decibar)
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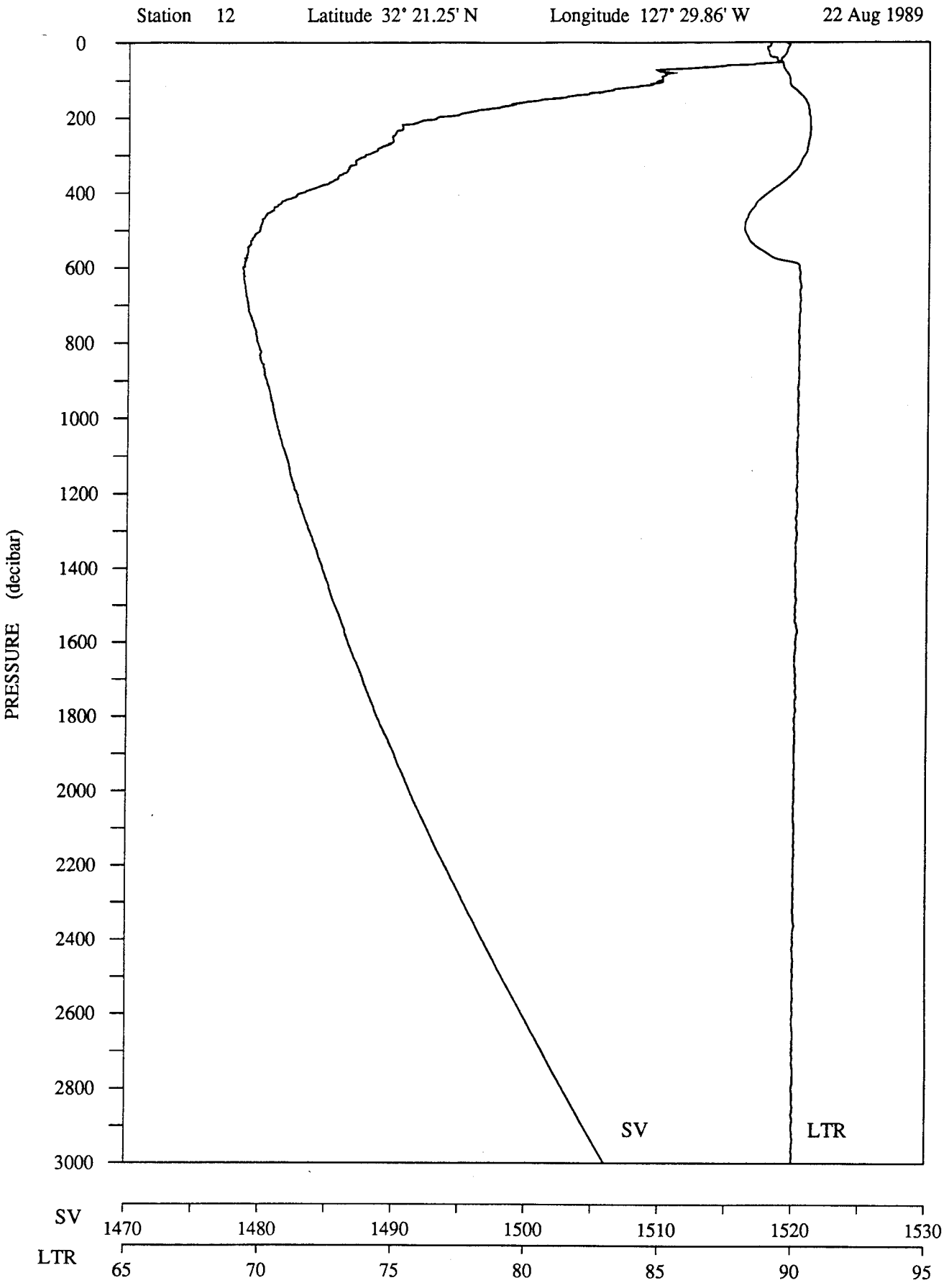
Station 12
Latitude 32° 21.25' N
Longitude 127° 29.86' W
22 Aug 1989
PRESSURE (decibar)
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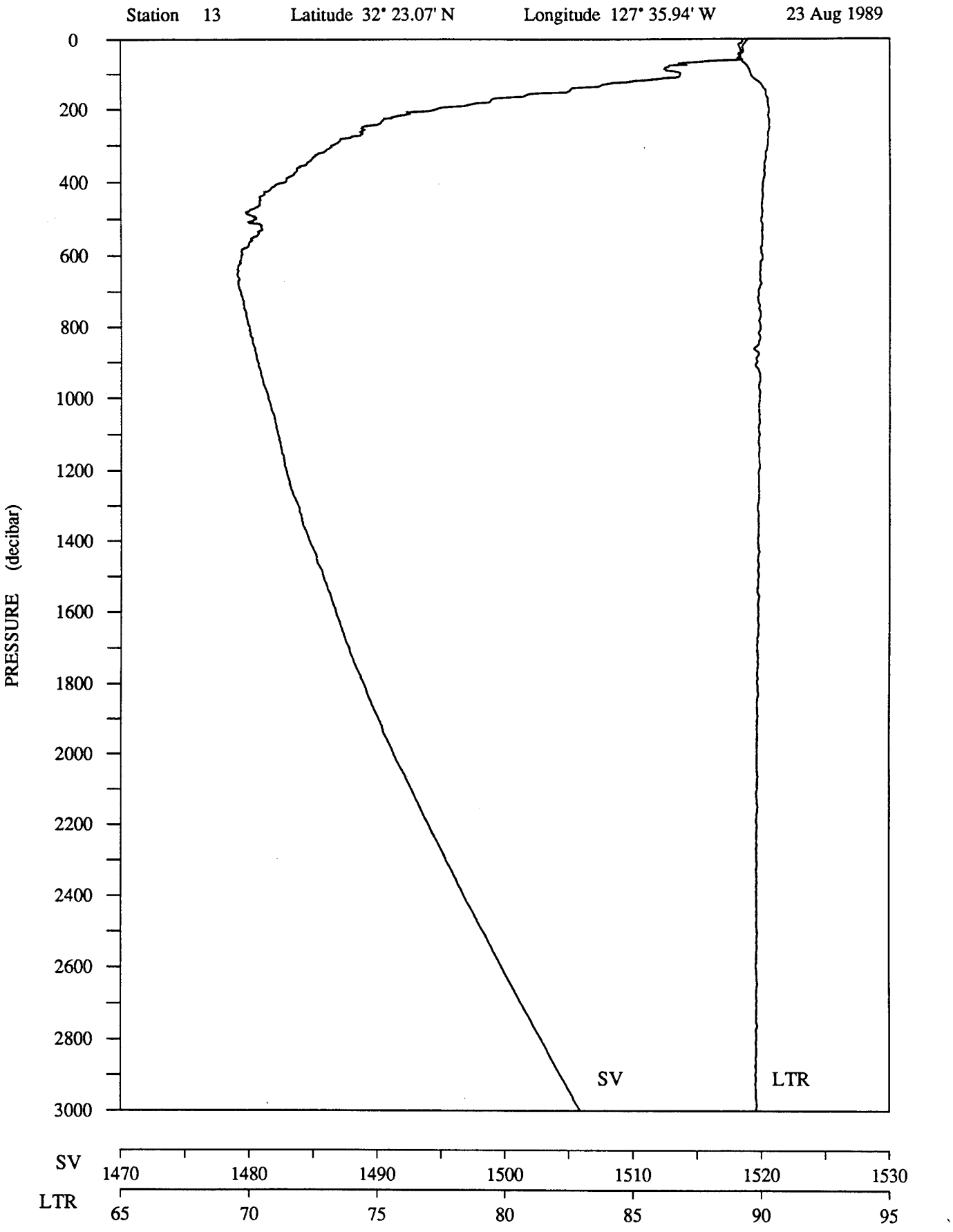
Station 13
Latitude 32° 23.07' N
Longitude 127° 35.94' W
23 Aug 1989
PRESSURE (decibar)
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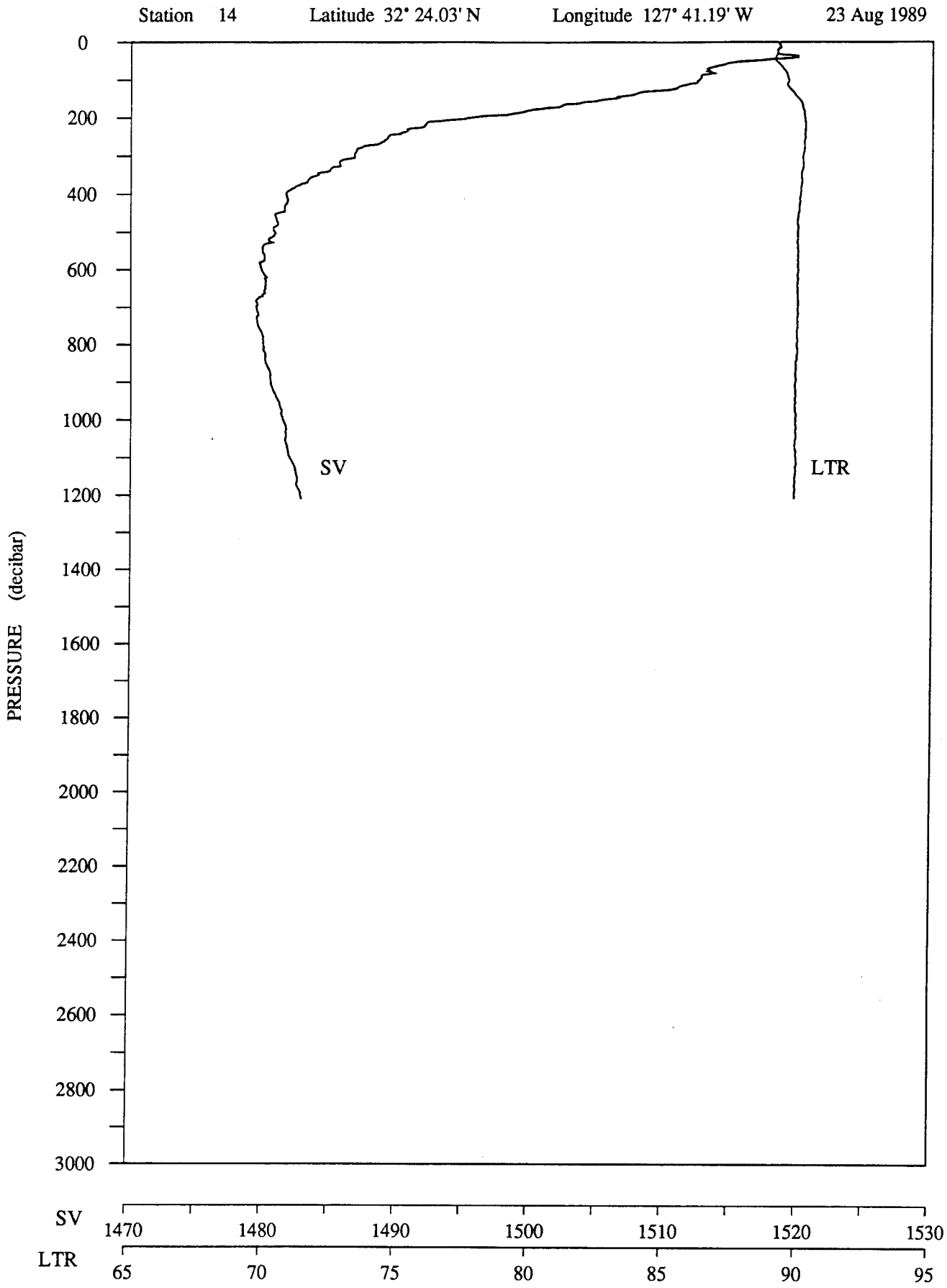
Station 14
Latitude 32° 24.03' N
Longitude 127° 41.19' W
23 Aug 1989
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PRESSURE (decibar)
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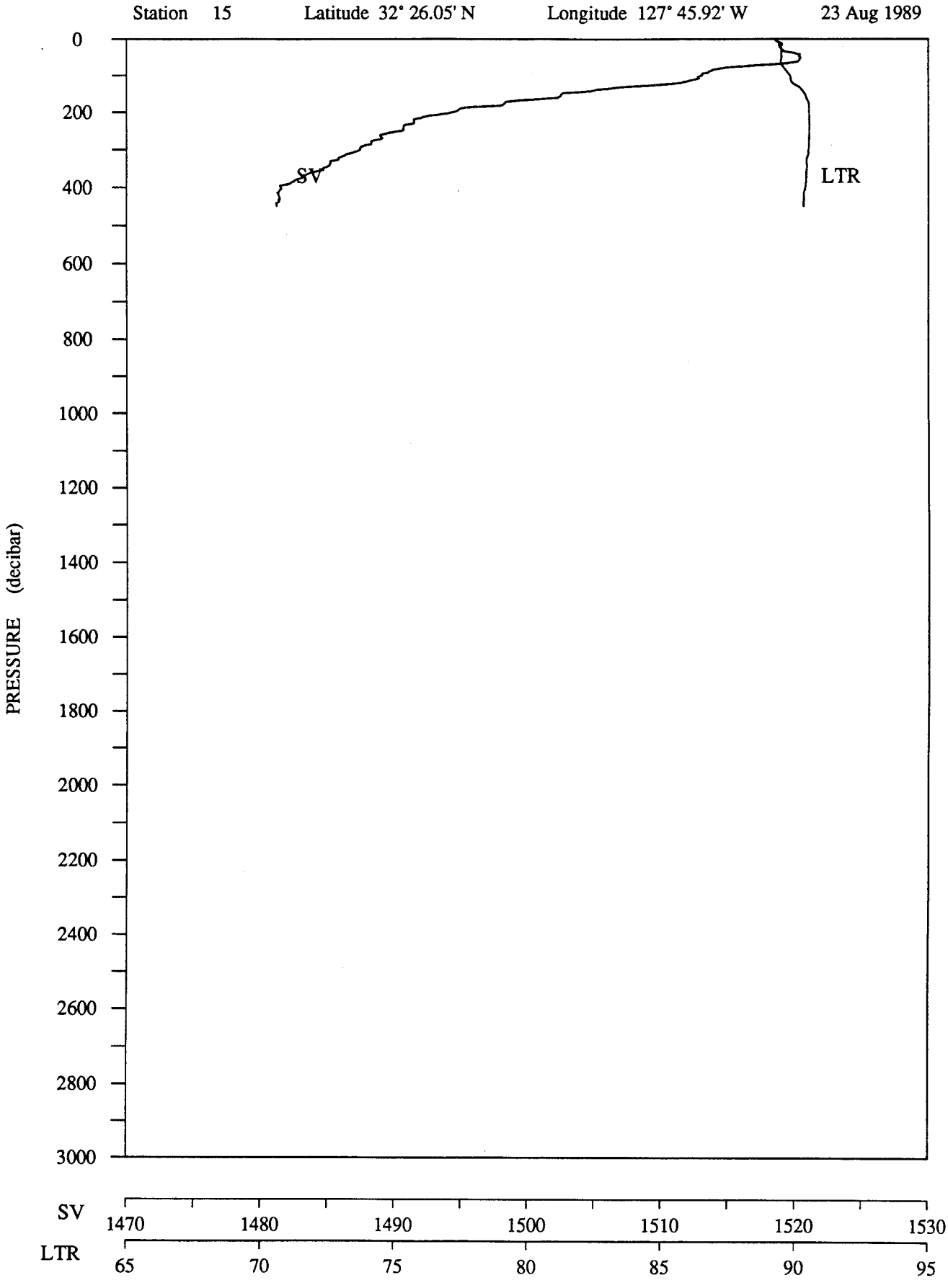
Station 15
Latitude 32° 26.05' N
Longitude 127° 45.92' W
23 Aug 1989
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PRESSURE (decibar)
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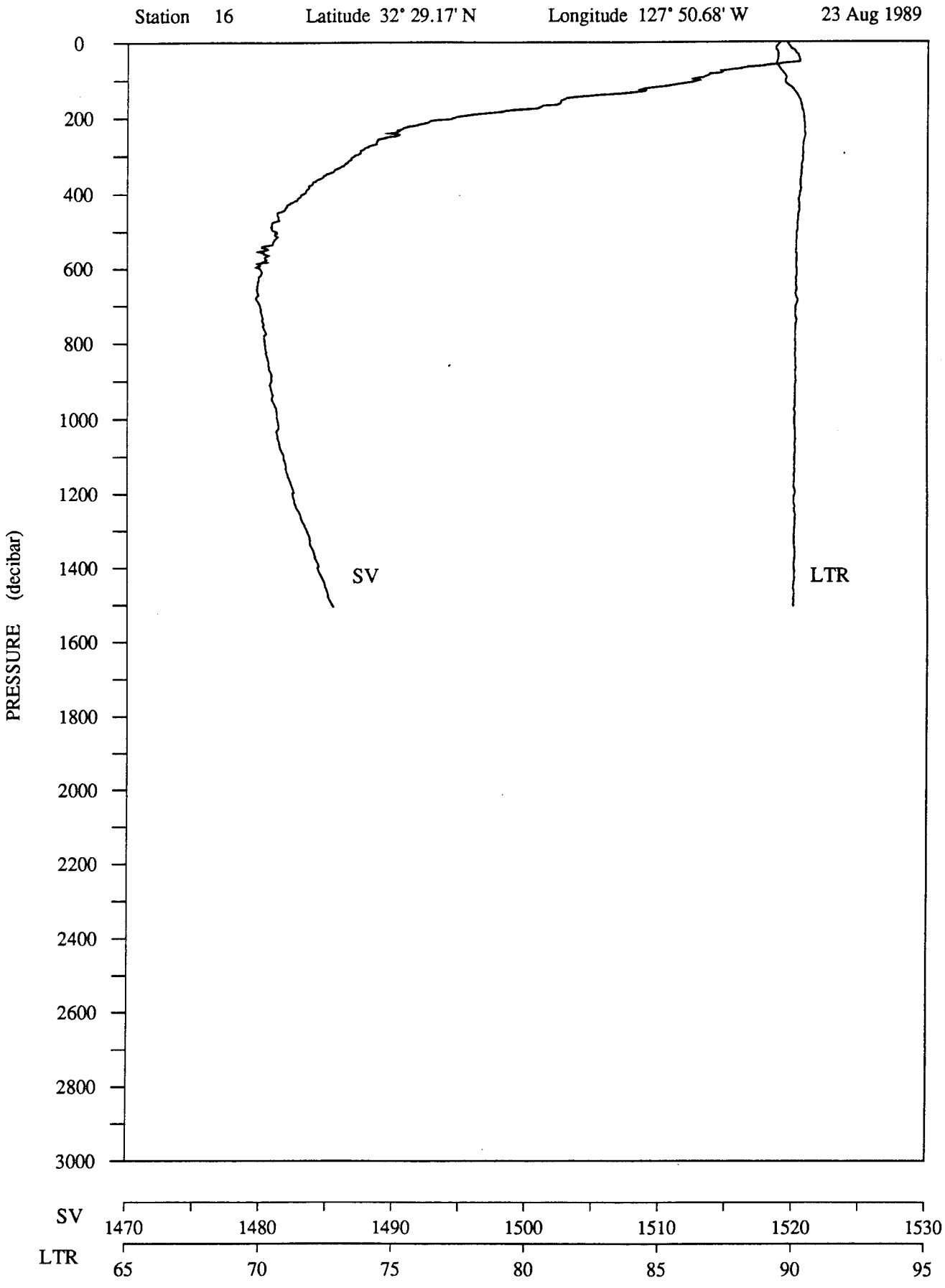
Station 16
Latitude 32° 29.17' N
Longitude 127° 50.68' W
23 Aug 1989
PRESSURE (decibar)
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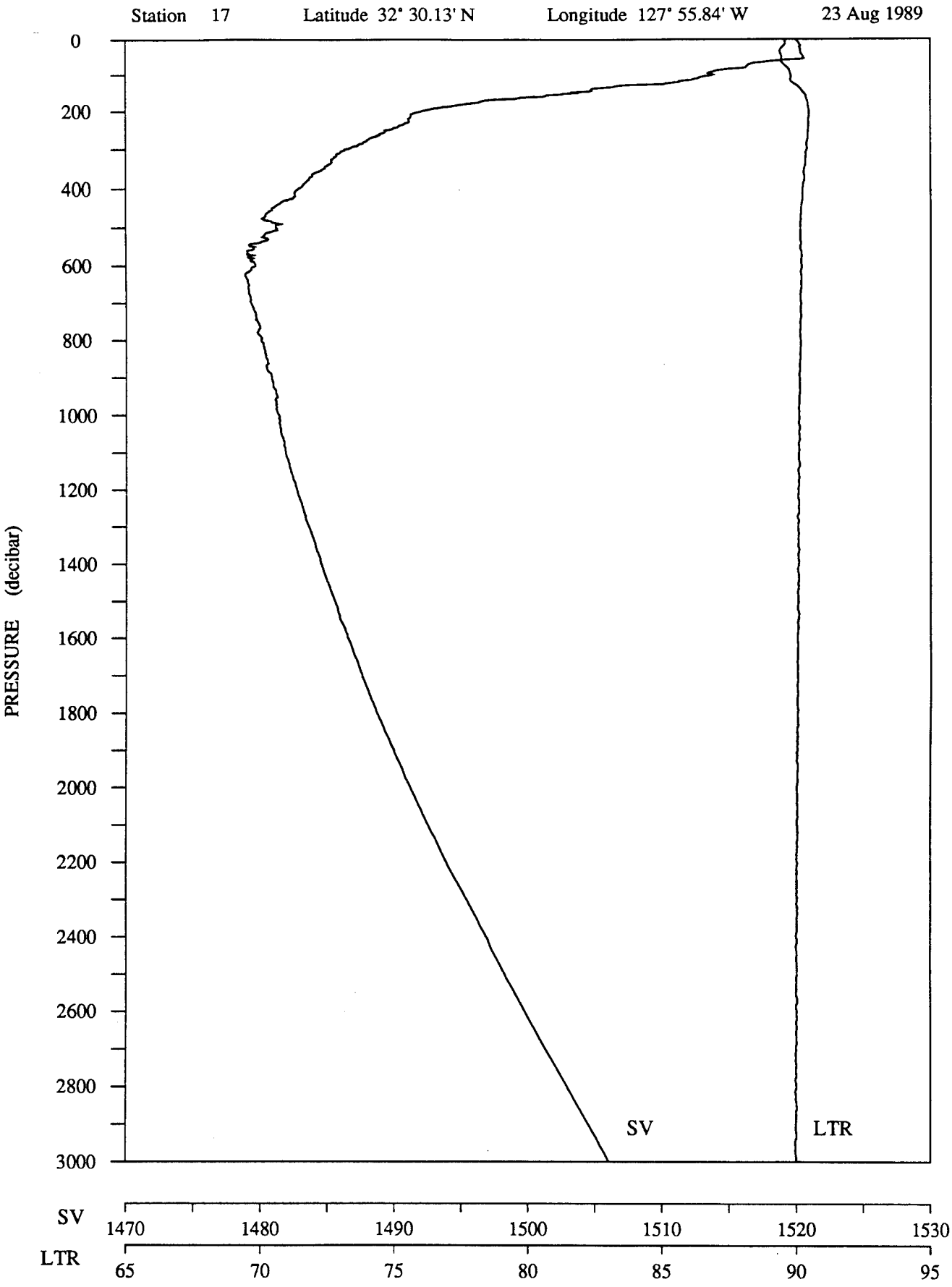
Station 17
Latitude 32° 30.13' N
Longitude 127° 55.84' W
23 Aug 1989
PRESSURE (decibar)
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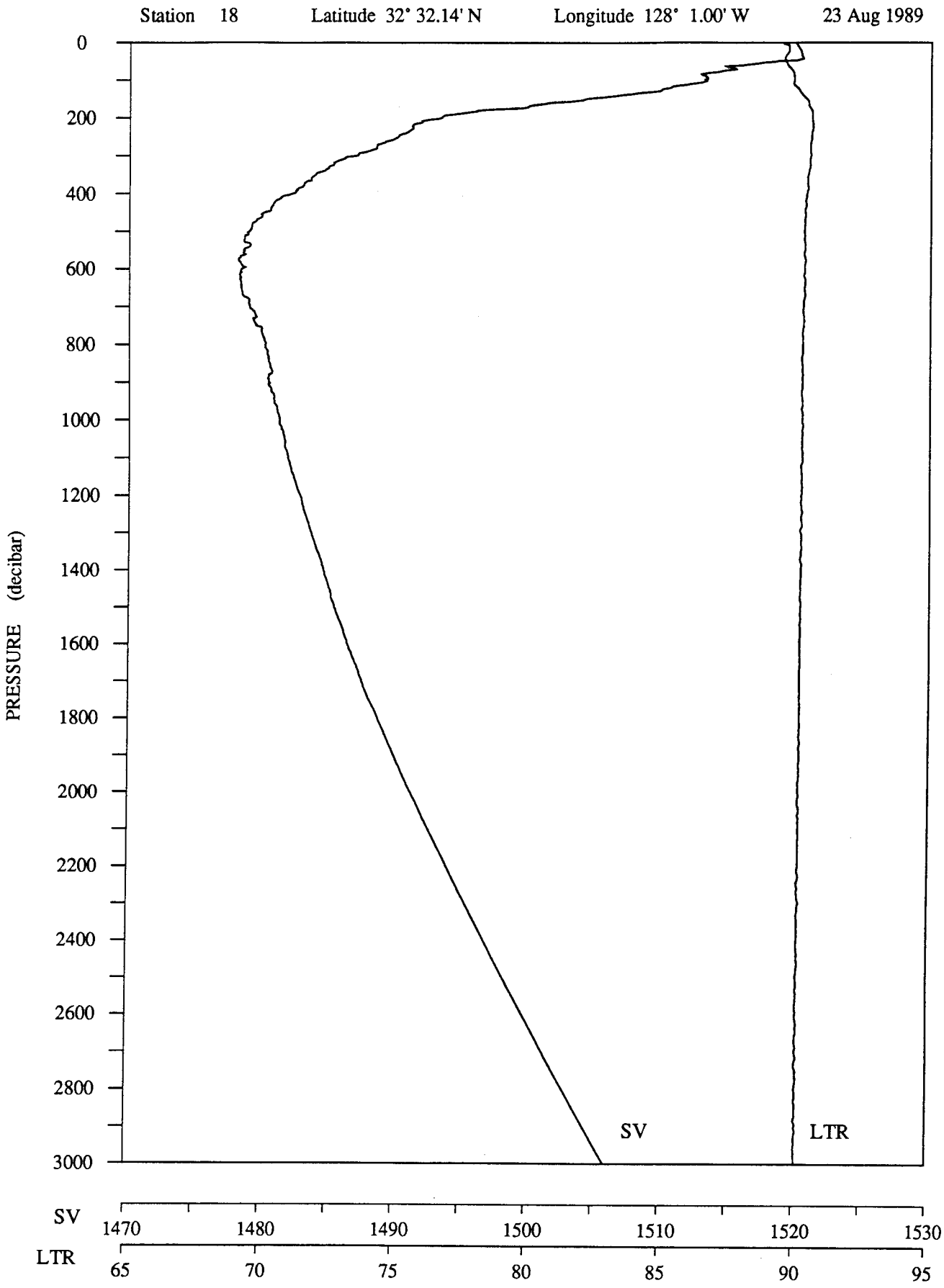
Station 18
Latitude 32° 32.14' N
Longitude 128° 1.00' W
23 Aug 1989
PRESSURE (decibar)
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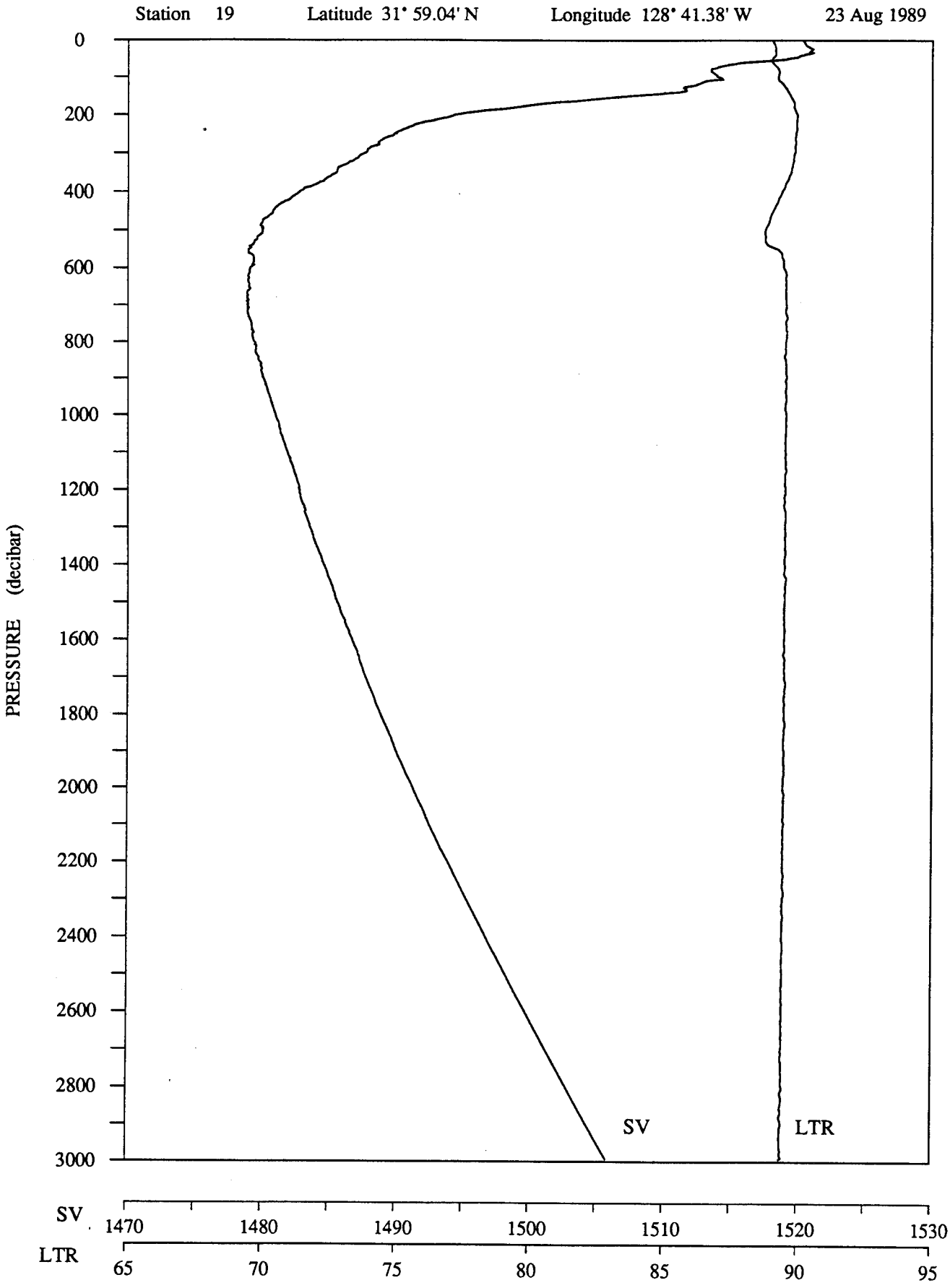
Station 19
Latitude 31° 59.04' N
Longitude 128° 41.38' W
23 Aug 1989
PRESSURE (decibar)
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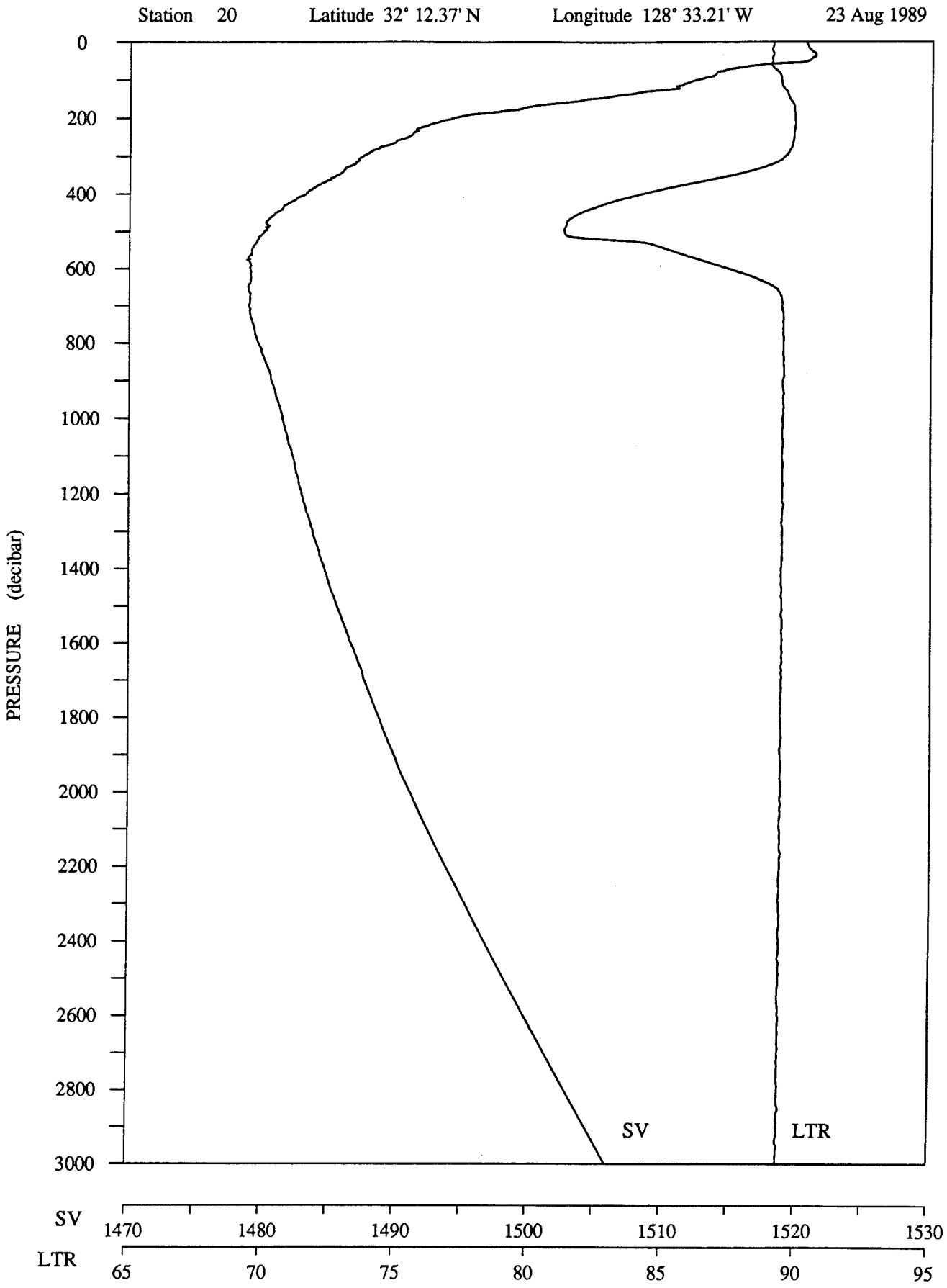
Station 20
Latitude 32° 12.37' N
Longitude 128° 33.21' W
23 Aug 1989
PRESSURE (decibar)
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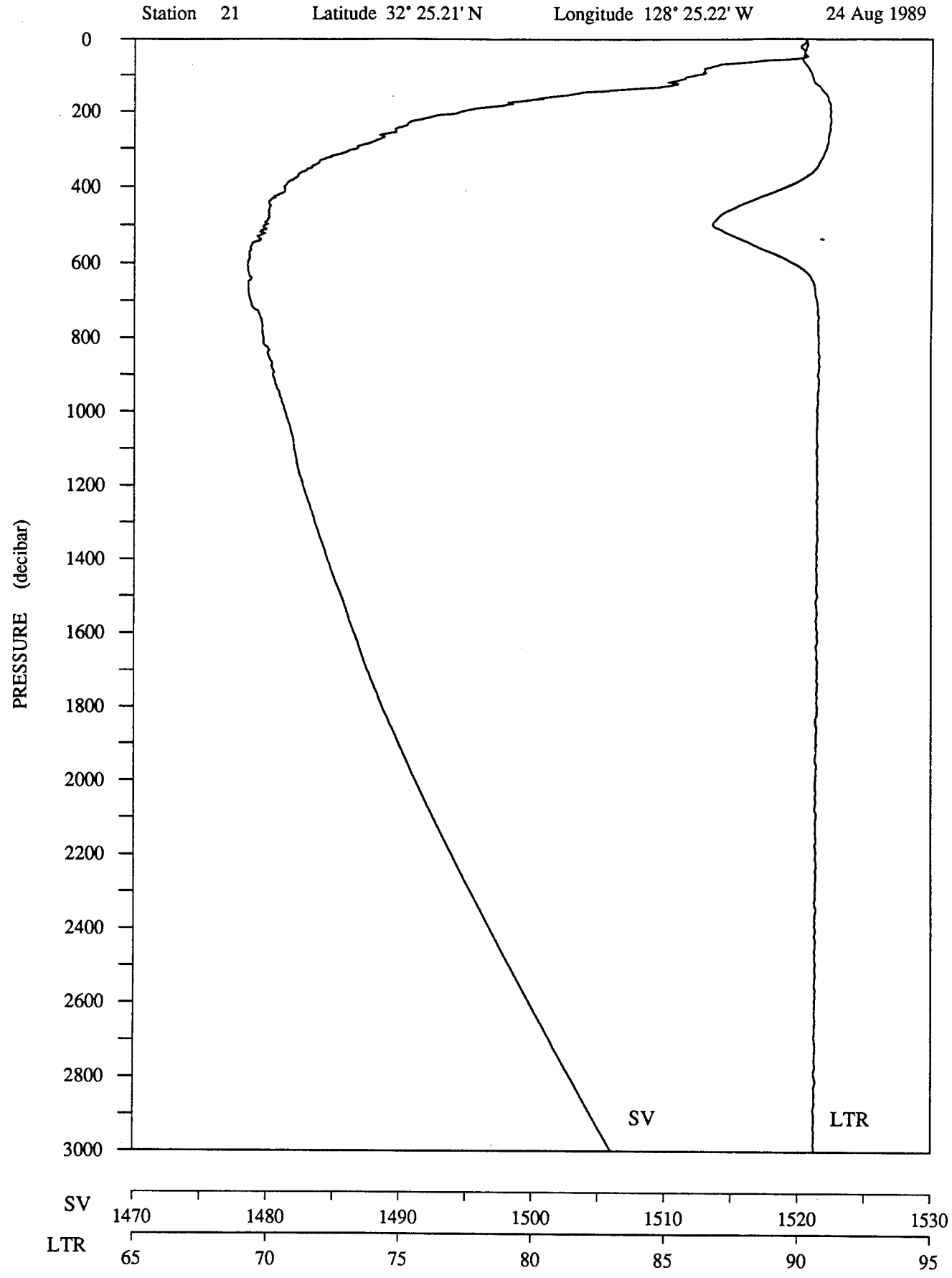
Station 21
Latitude 32° 25.21' N
Longitude 128° 25.22' W
24 Aug 1989
PRESSURE (decibar)
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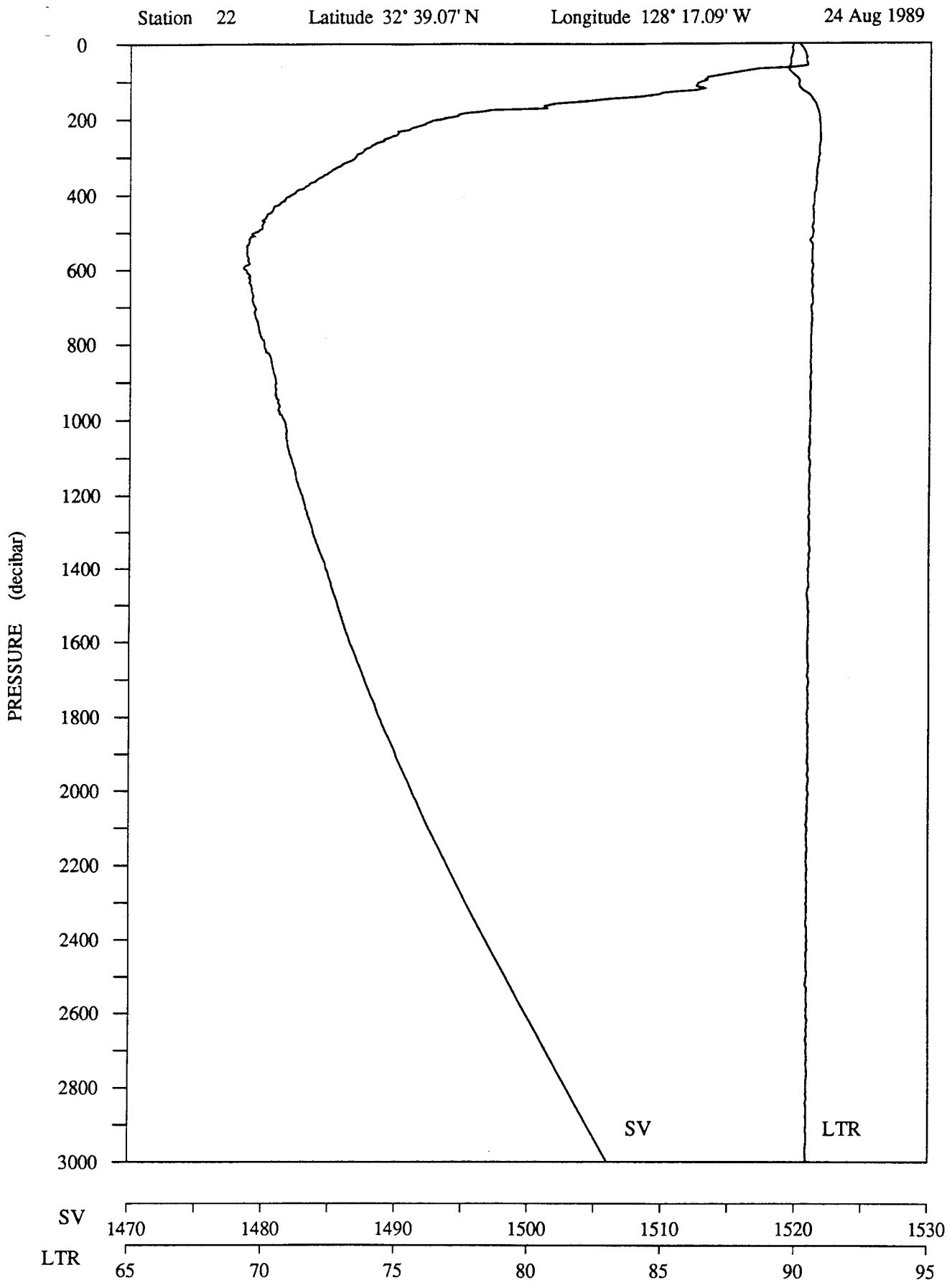
Station 22
Latitude 32° 39.07' N
Longitude 128° 17.09' W
24 Aug 1989
PRESSURE (decibar)
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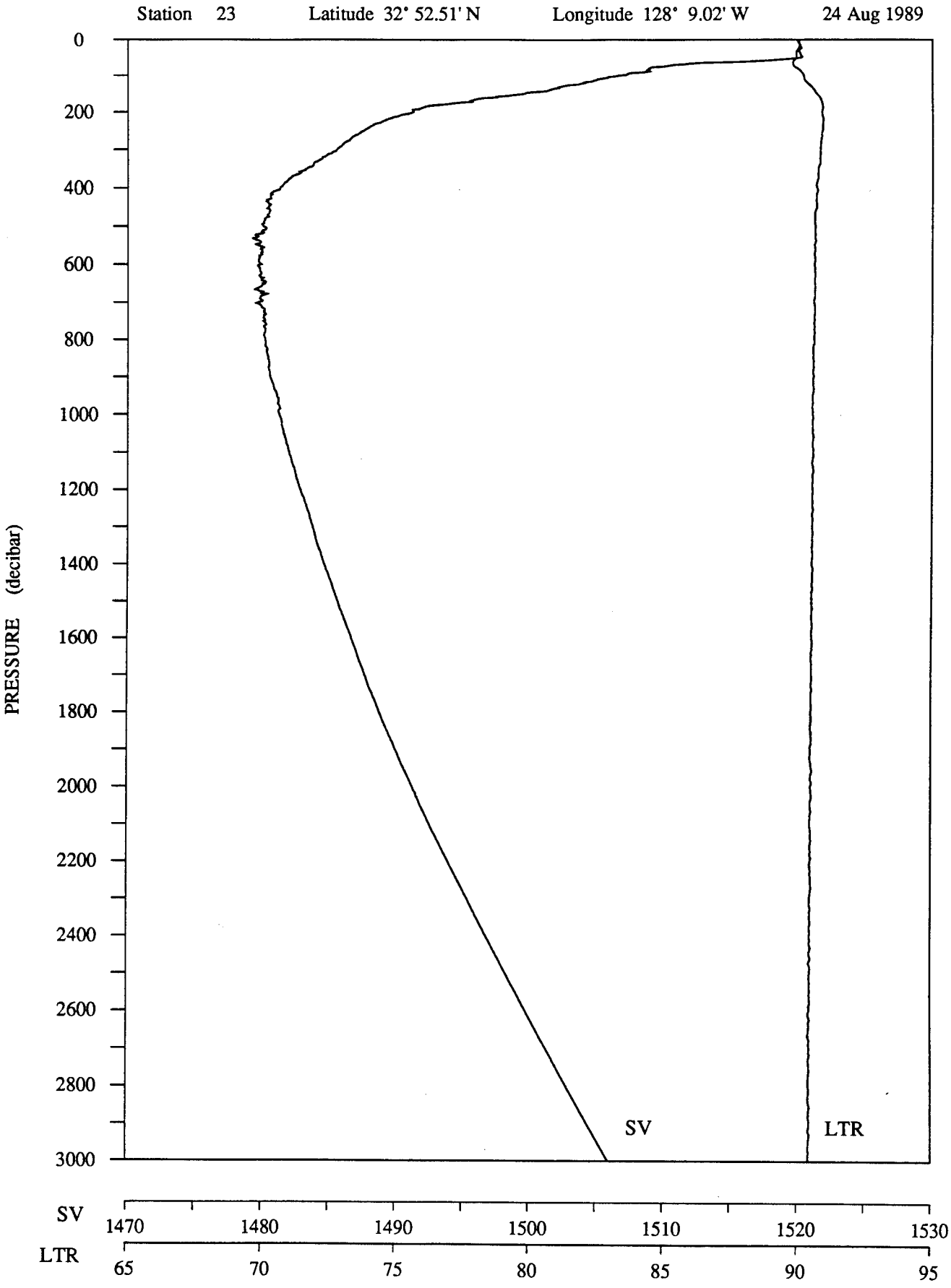
Station 23
Latitude 32° 52.51' N
Longitude 128° 9.02' W
24 Aug 1989
PRESSURE (decibar)
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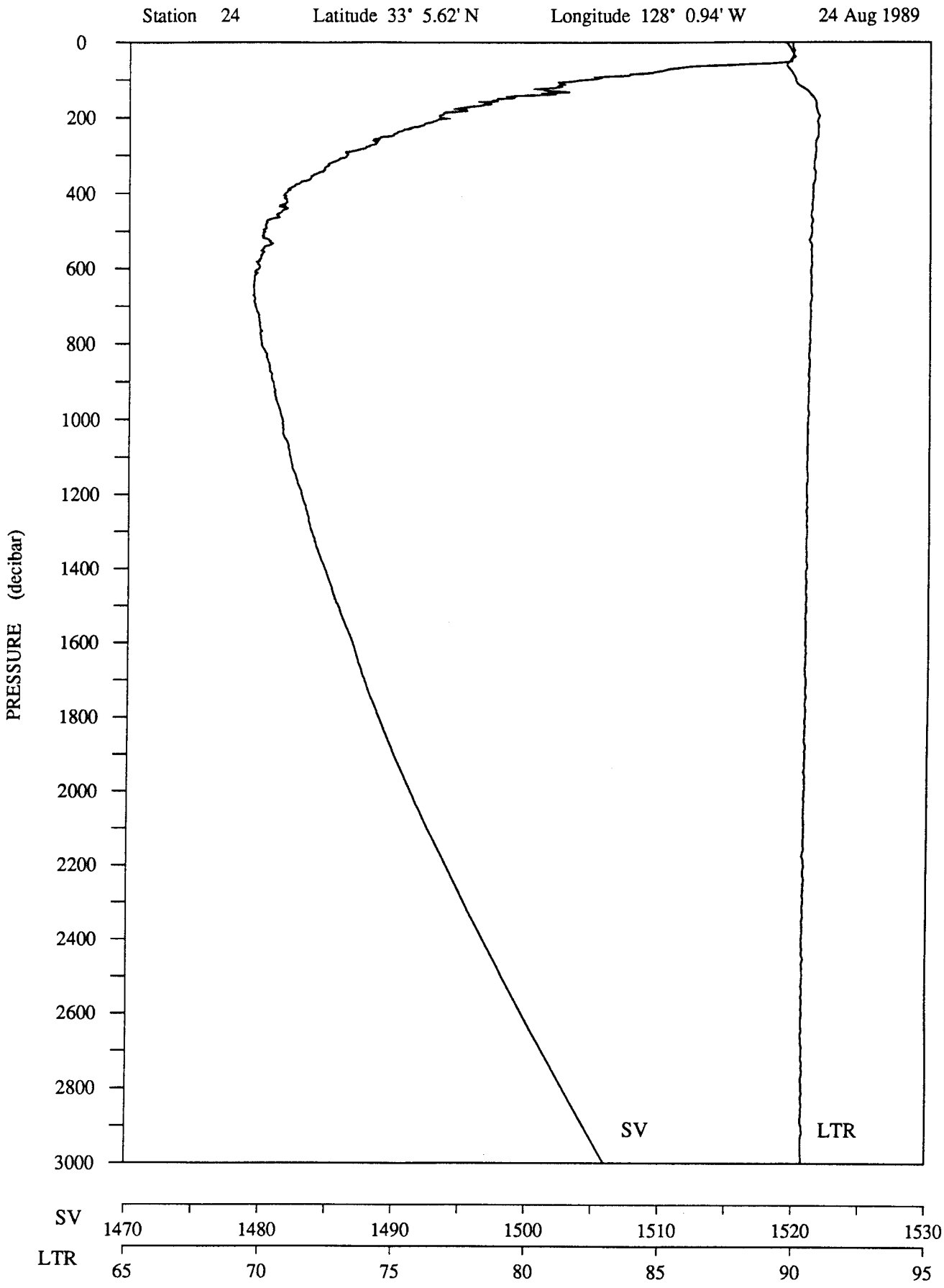
Station 24
Latitude 33° 5.62' N
Longitude 128° 0.94' W
24 Aug 1989
PRESSURE (decibar)
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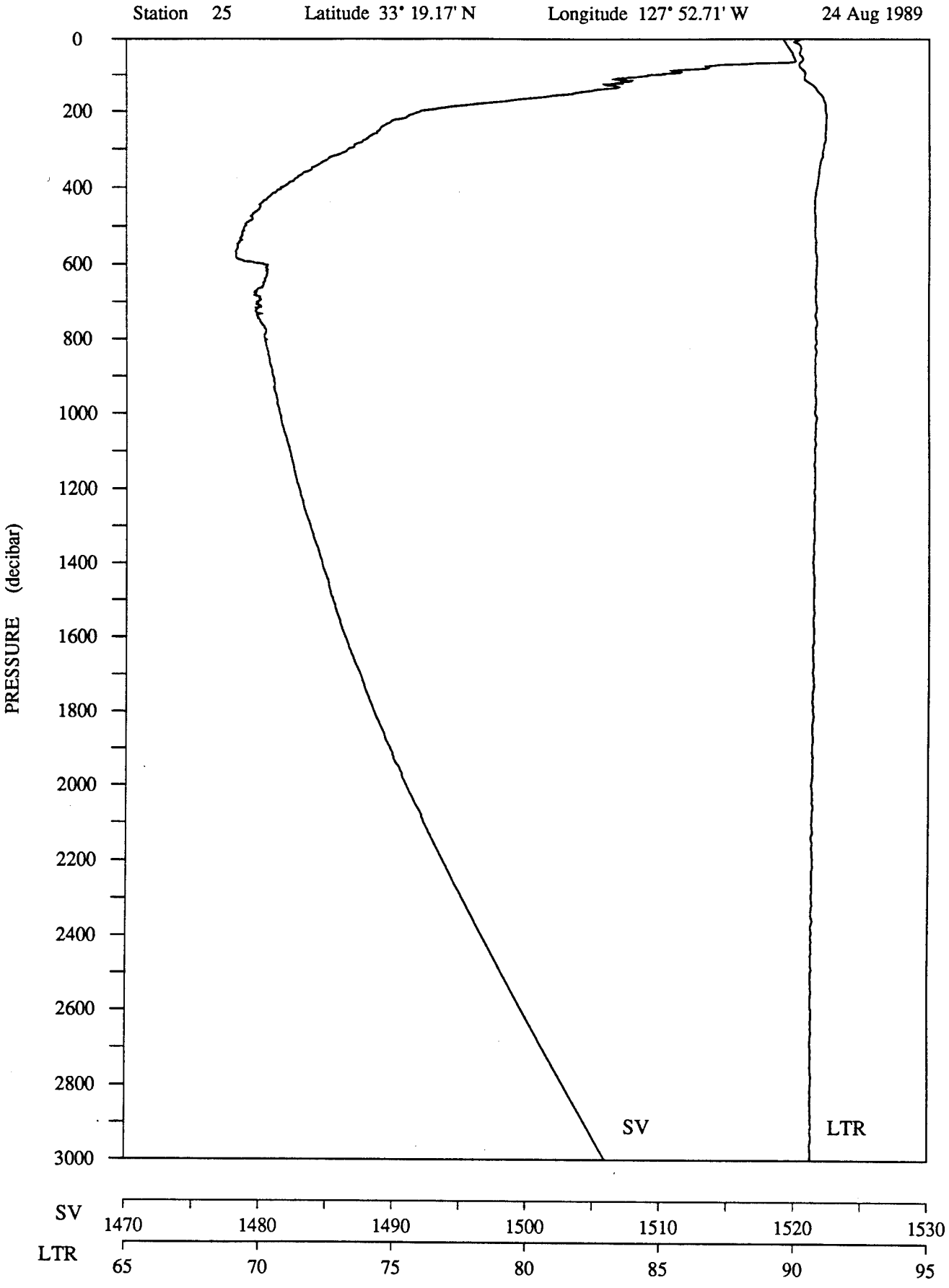
Station 25
Latitude 33° 19.17' N
Longitude 127° 52.71' W
24 Aug 1989
PRESSURE (decibar)
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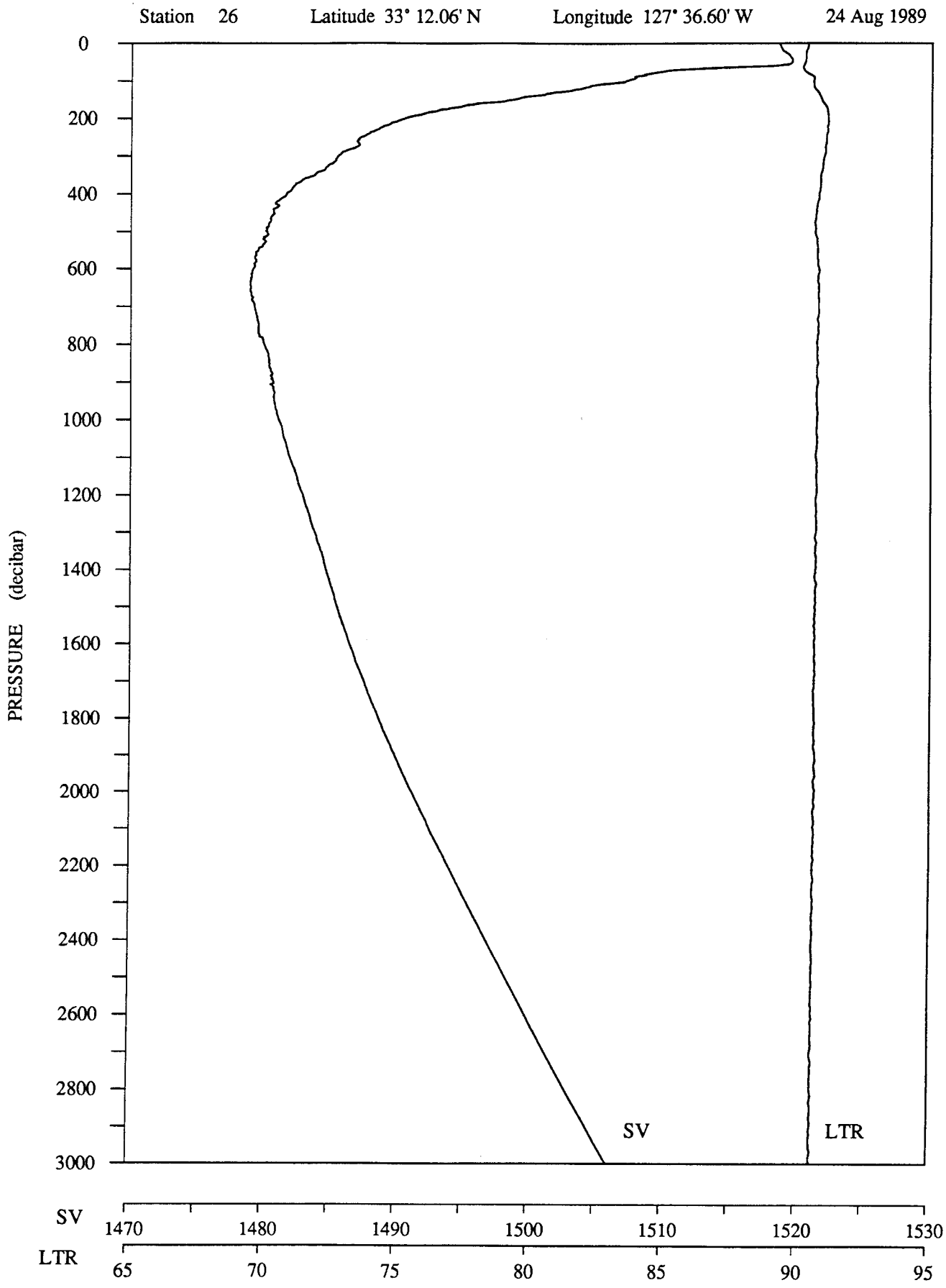
Station 26
Latitude 33° 12.06' N
Longitude 127° 36.60' W
24 Aug 1989
PRESSURE (decibar)
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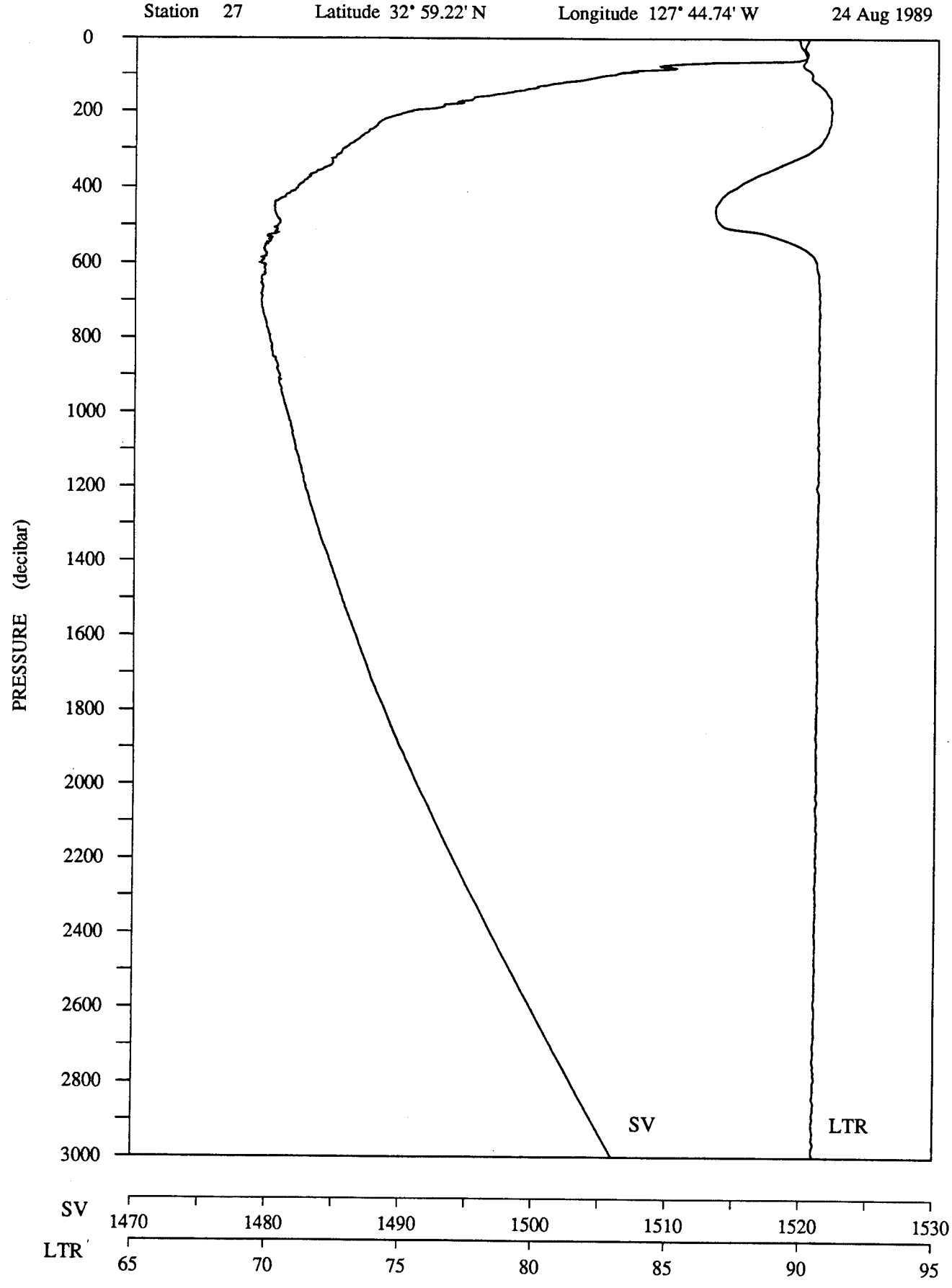
Station 27
Latitude 32° 59.22' N
Longitude 127° 44.74' W
24 Aug 1989
PRESSURE (decibar)
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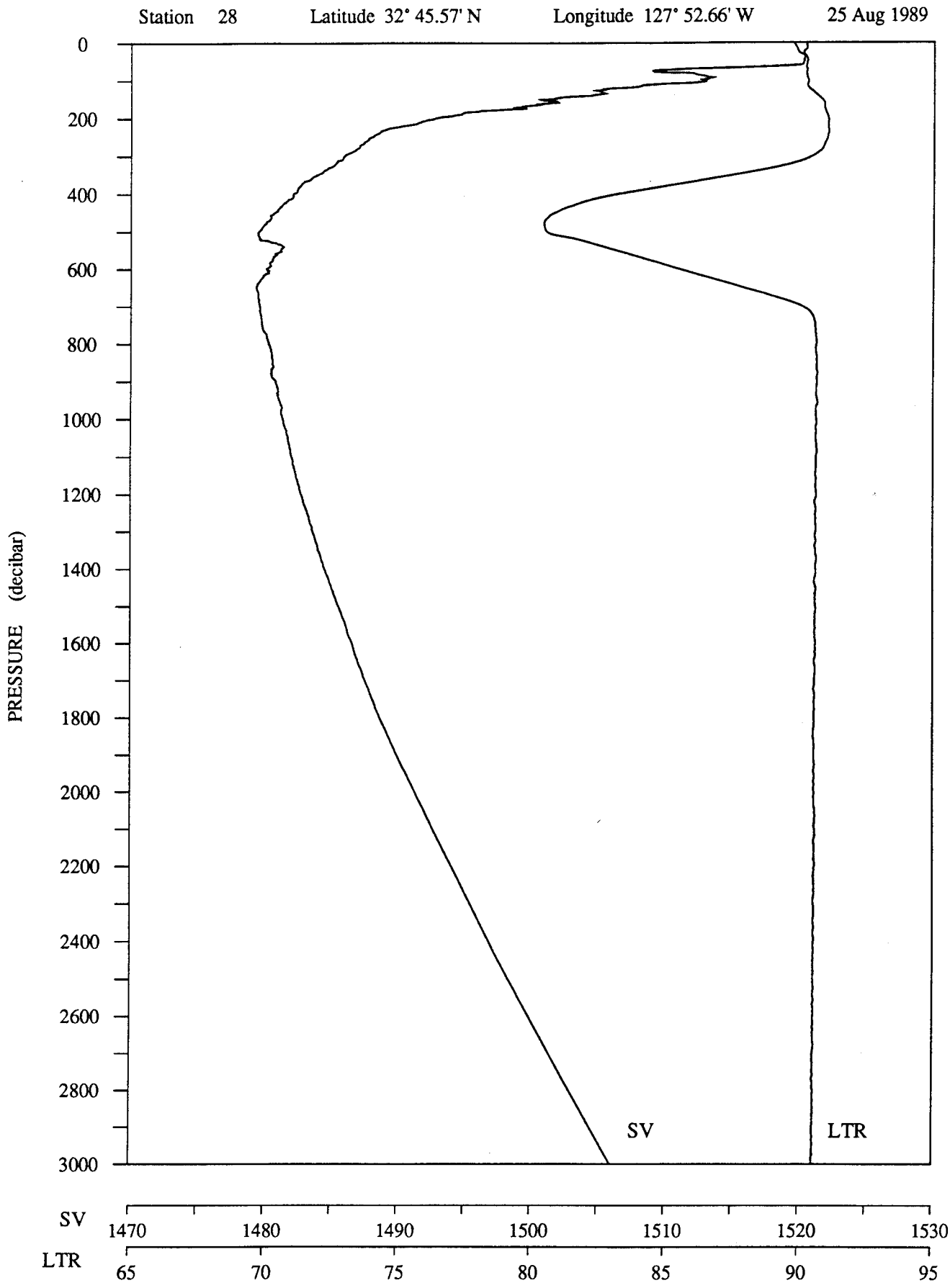
Station 28
Latitude 32° 45.57' N
Longitude 127° 52.66' W
25 Aug 1989
PRESSURE (decibar)
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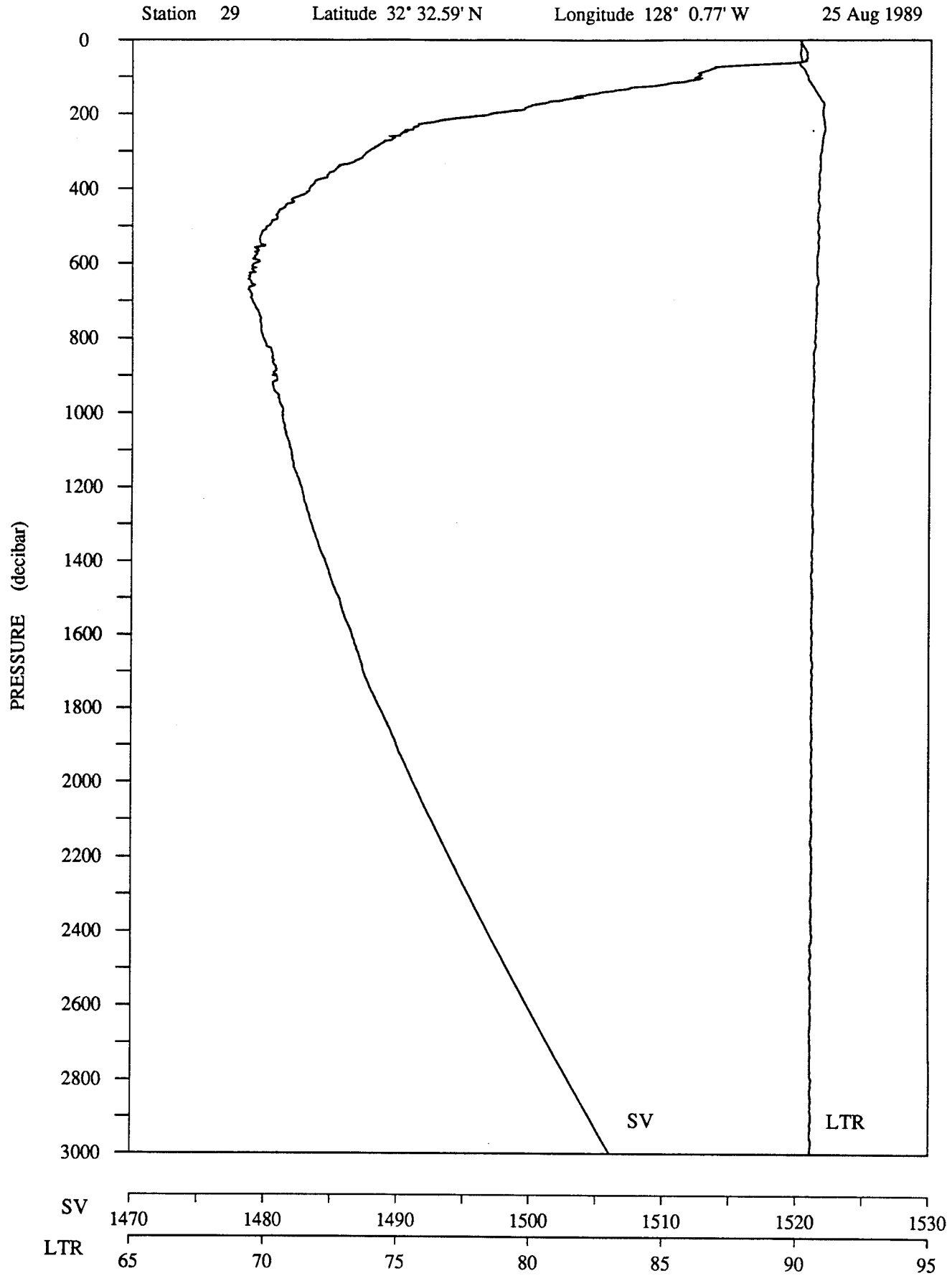
Station 29
Latitude 32° 32.59' N
Longitude 128° 0.77' W
25 Aug 1989
PRESSURE (decibar)
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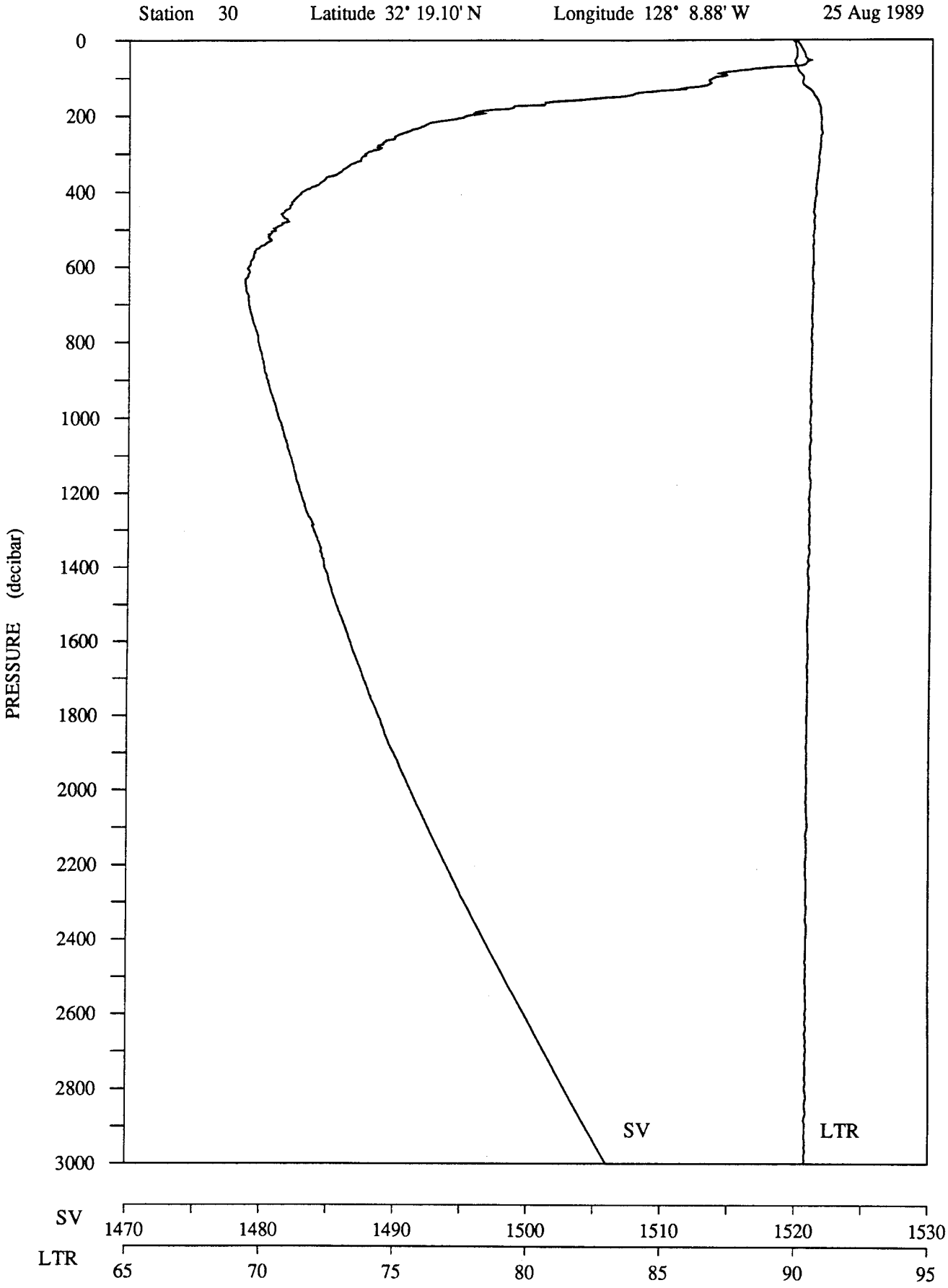
Station 30
Latitude 32° 19.10' N
Longitude 128° 8.88' W
25 Aug 1989
PRESSURE (decibar)
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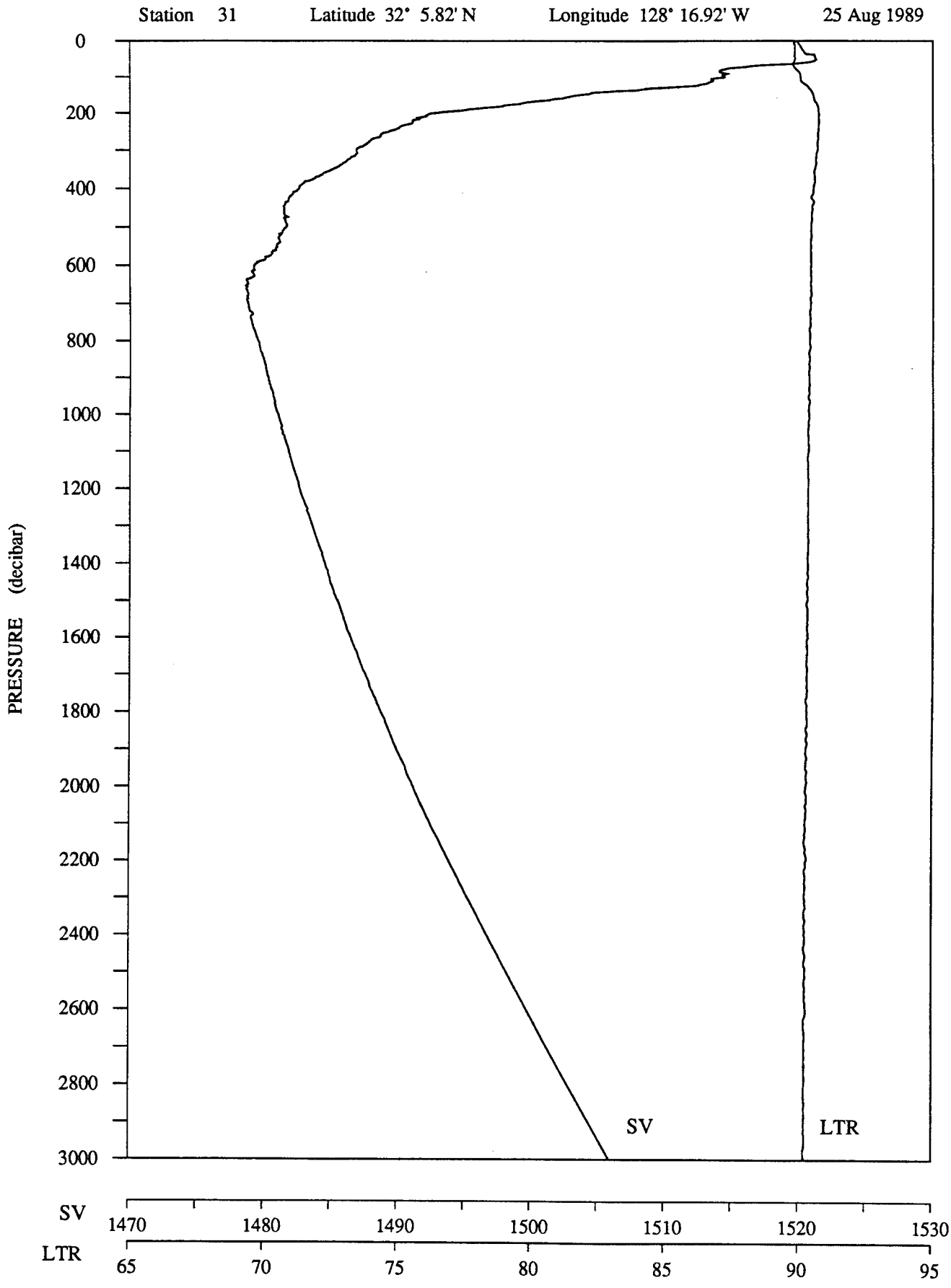
Station 31
Latitude 32° 5.82' N
Longitude 128° 16.92' W
25 Aug 1989
PRESSURE (decibar)
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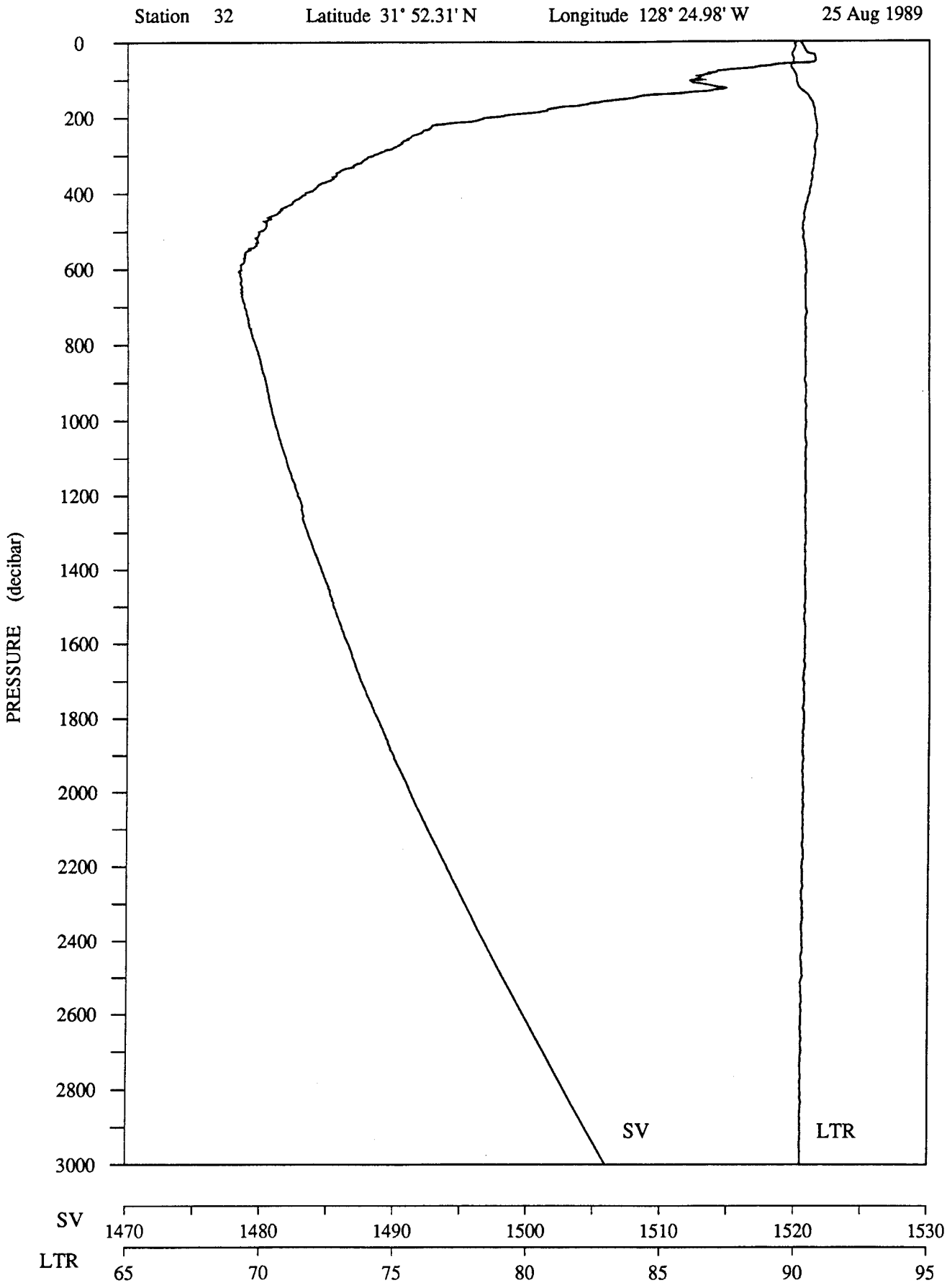
Station 32
Latitude 31° 52.31' N
Longitude 128° 24.98' W
25 Aug 1989
PRESSURE (decibar)
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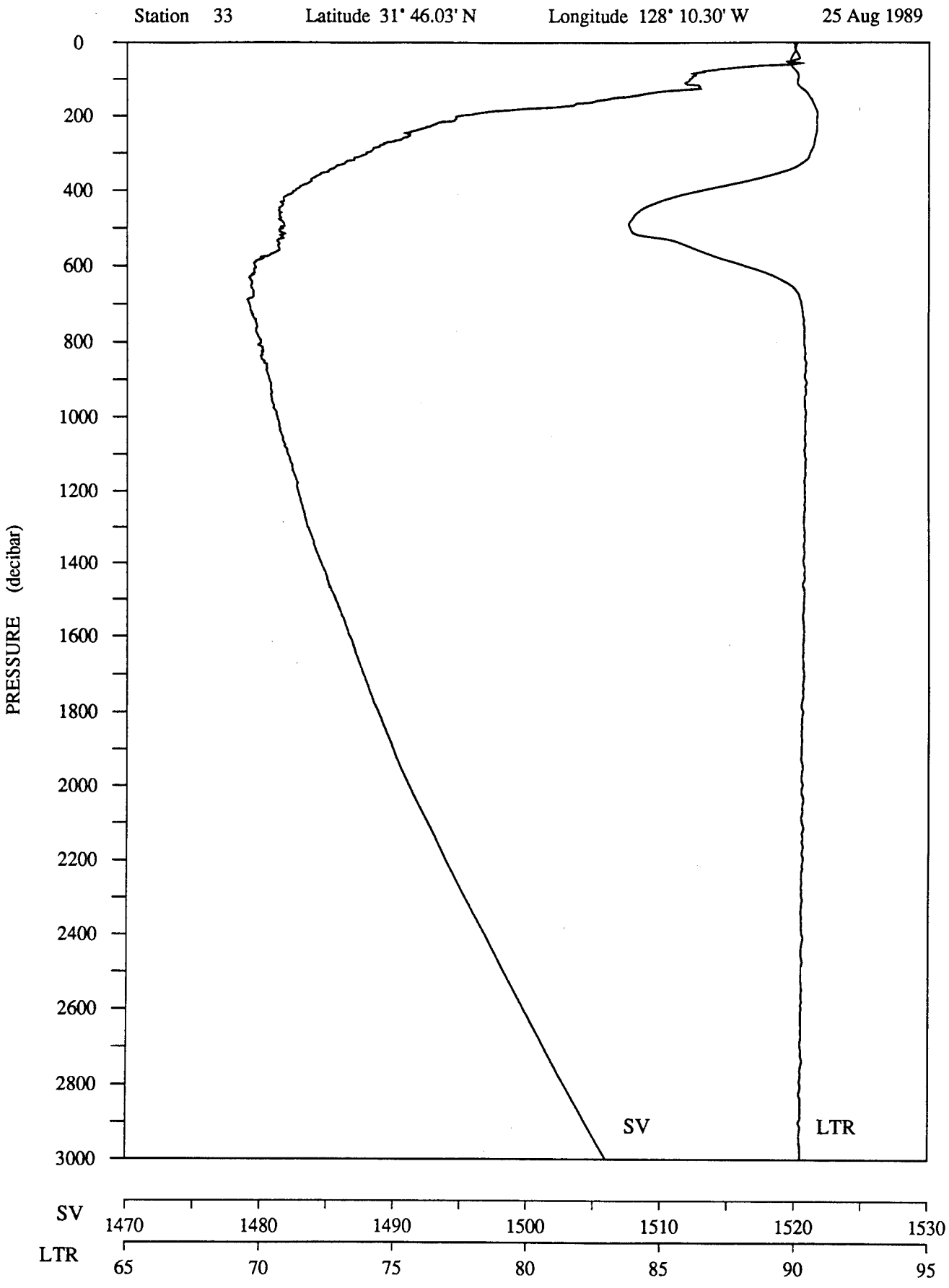
Station 33
Latitude 31° 46.03' N
Longitude 128° 10.30' W
25 Aug 1989
PRESSURE (decibar)
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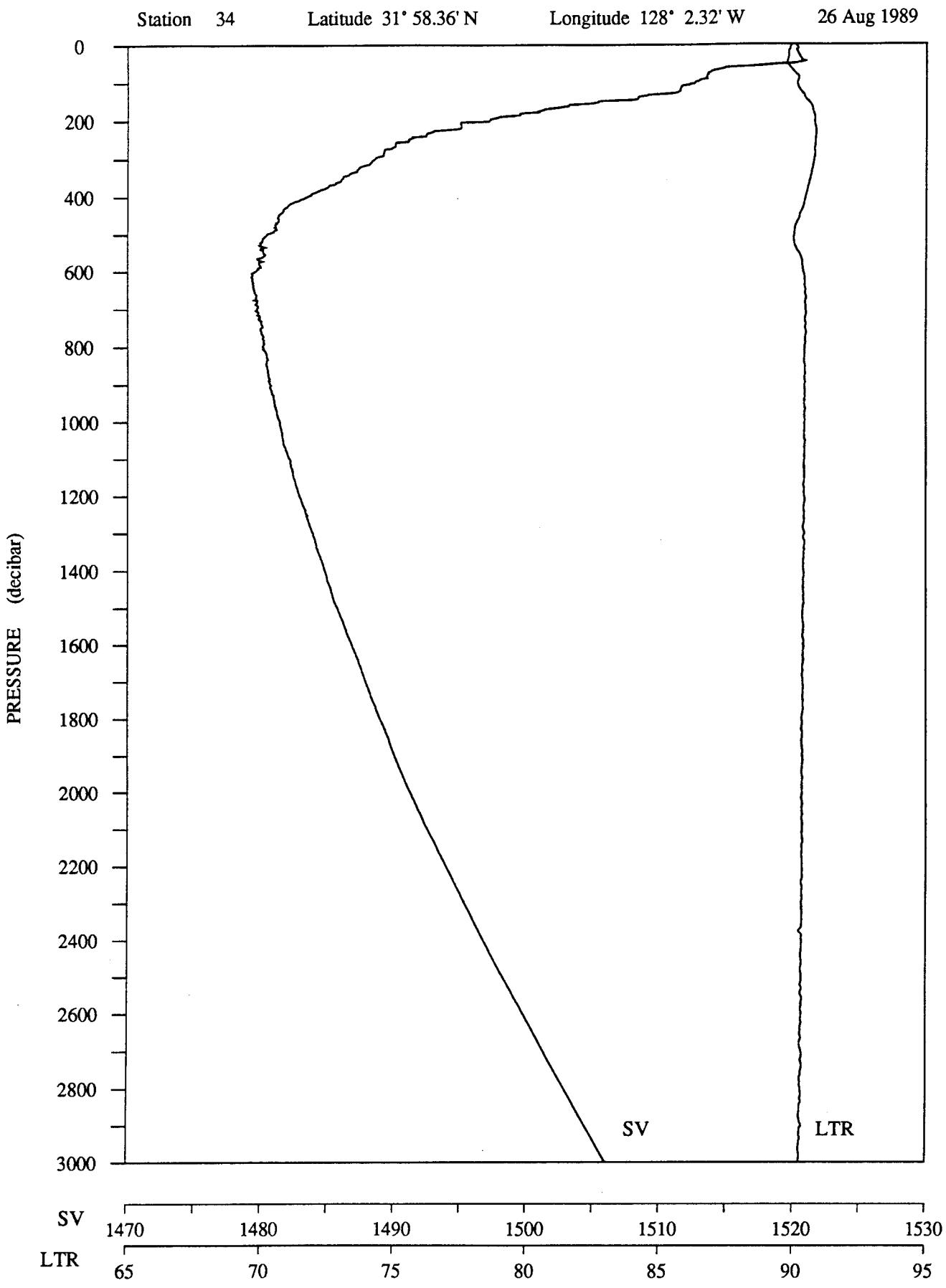
Station 34
Latitude 31° 58.36' N
Longitude 128° 2.32' W
26 Aug 1989
PRESSURE (decibar)
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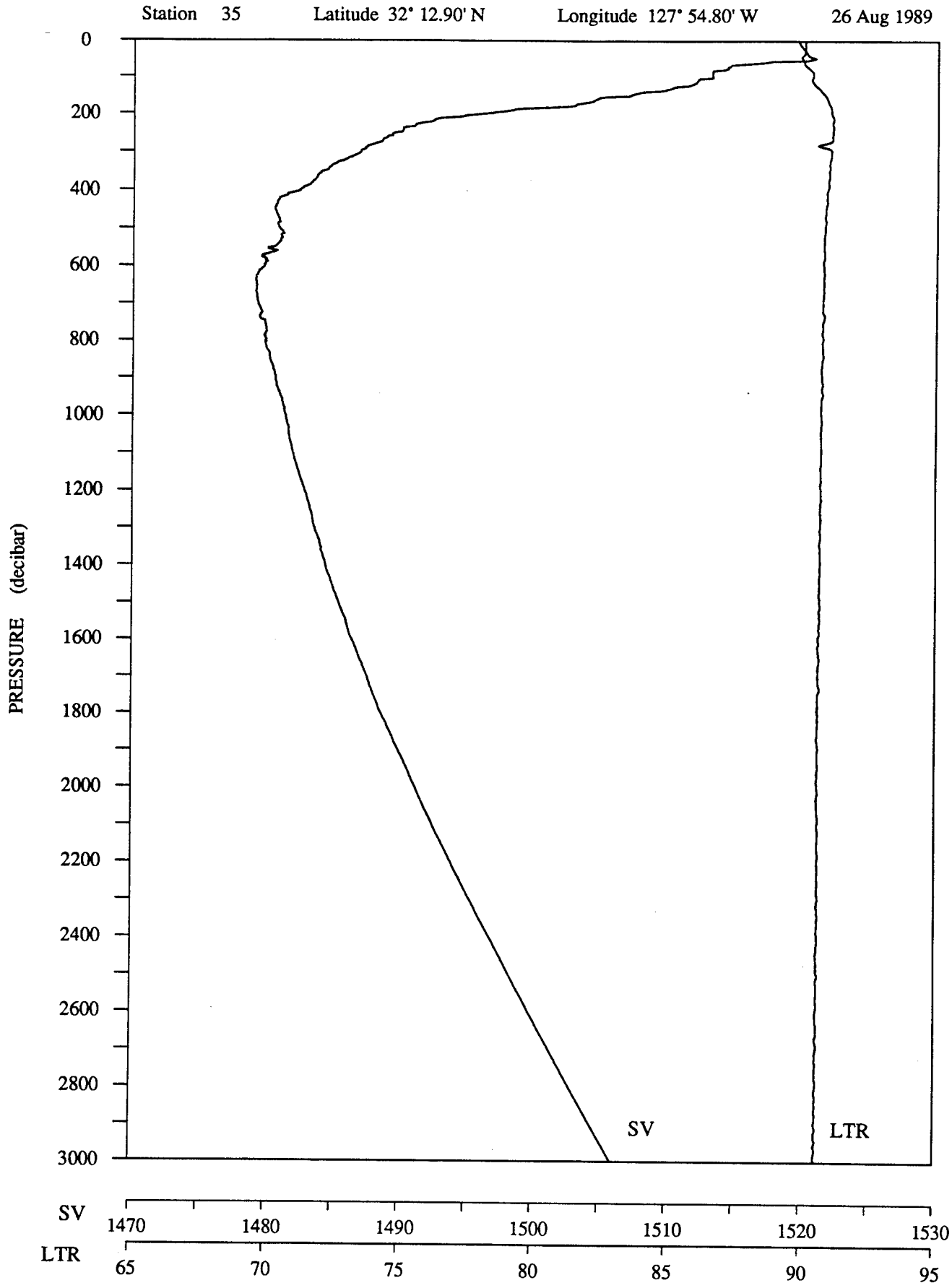
Station 35
Latitude 32° 12.90' N
Longitude 127° 54.80' W
26 Aug 1989
PRESSURE (decibar)
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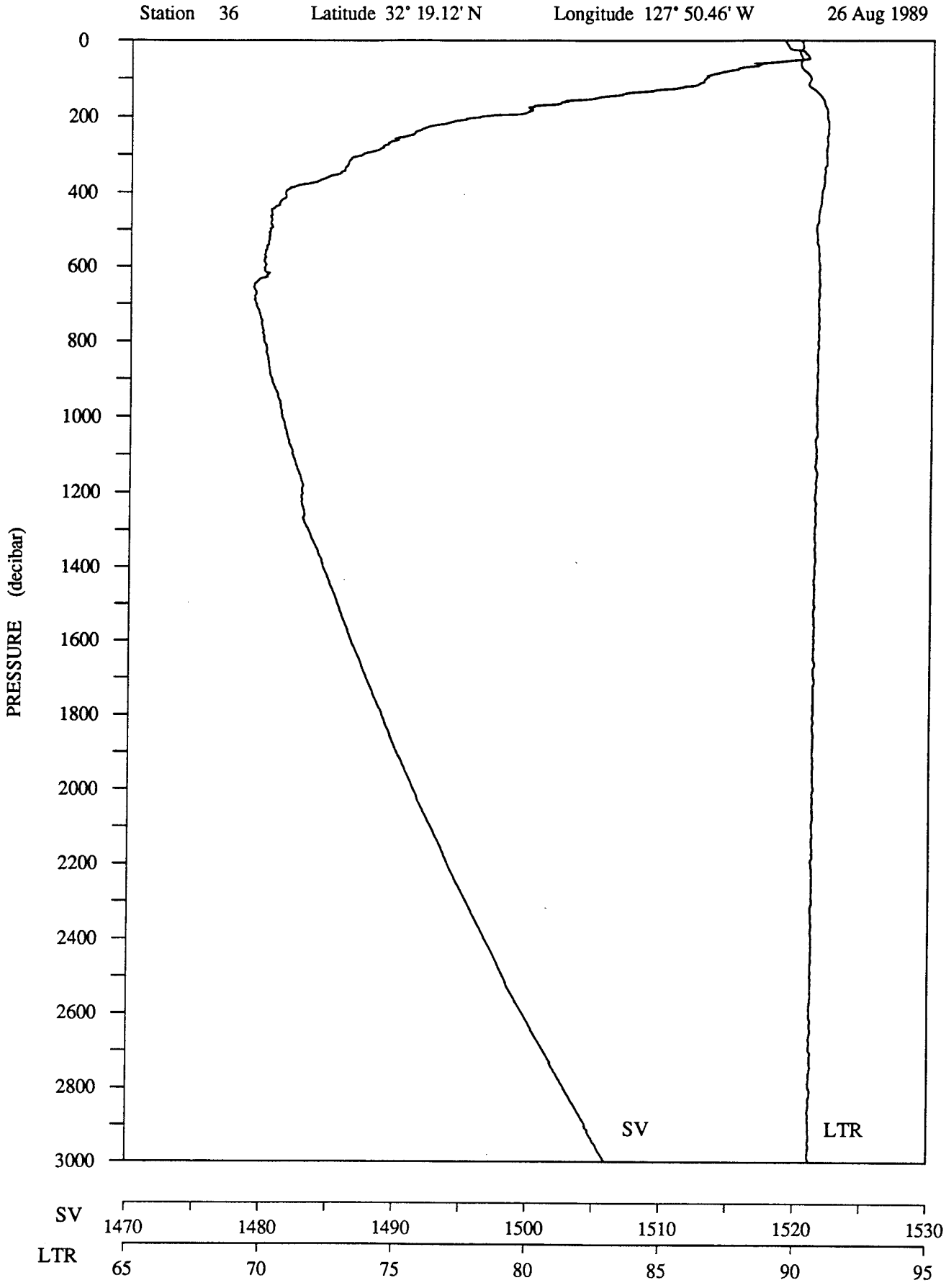
Station 36
Latitude 32° 19.12' N
Longitude 127° 50.46' W
26 Aug 1989
PRESSURE (decibar)
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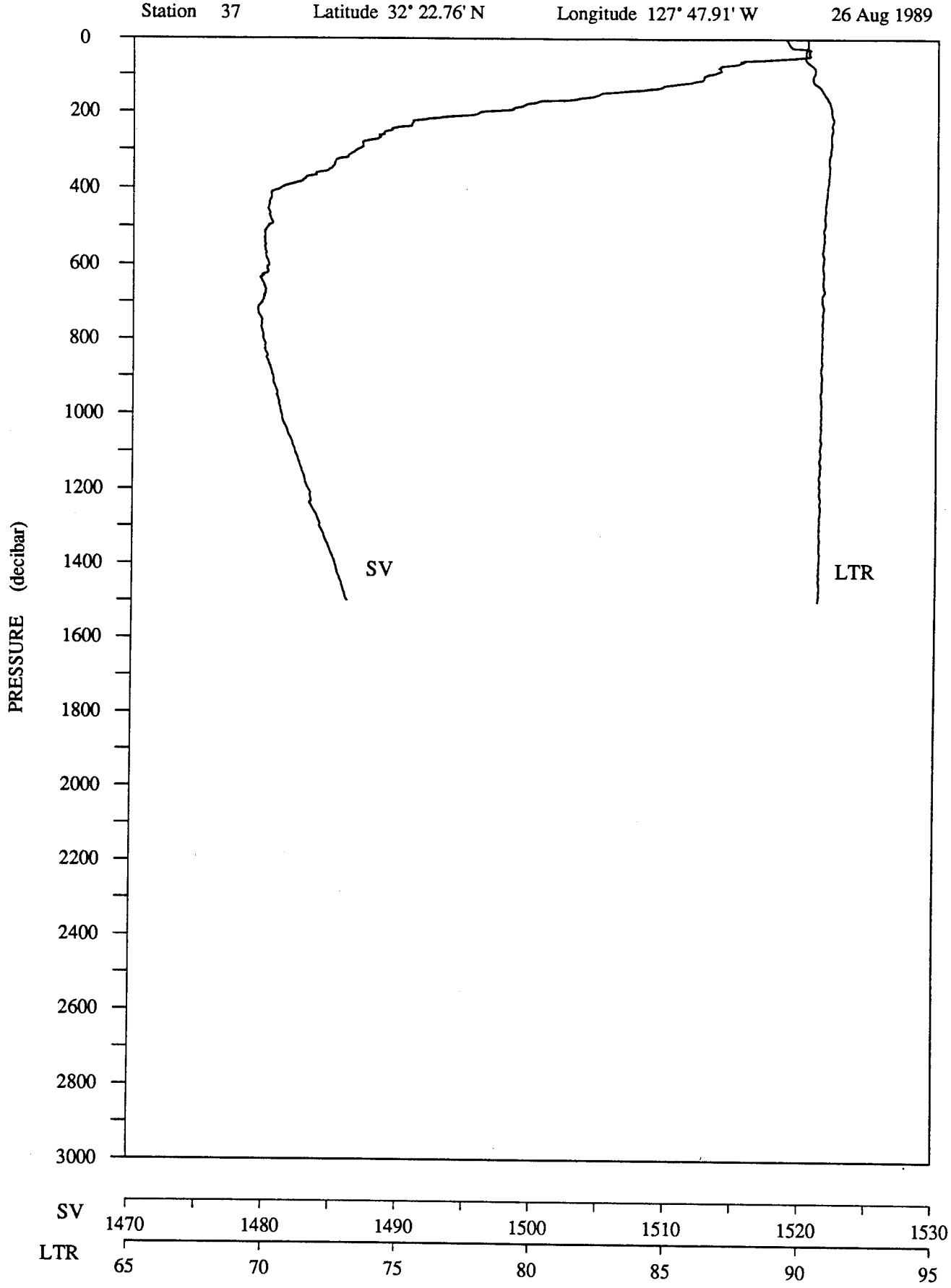
Station 37
Latitude 32° 22.76' N
Longitude 127° 47.91' W
26 Aug 1989
PRESSURE (decibar)
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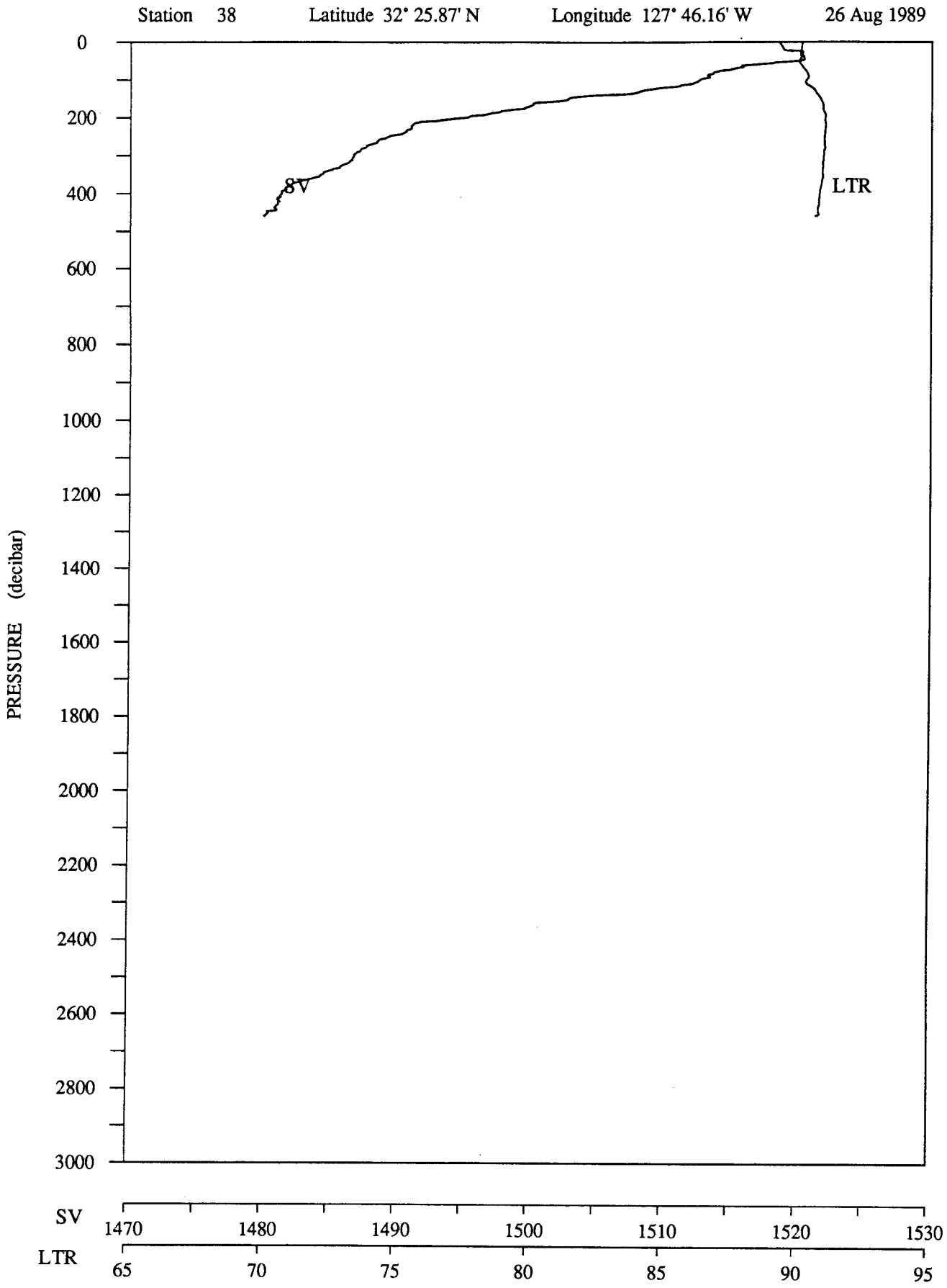
Station 38
Latitude 32° 25.87' N
Longitude 127° 46.16' W
26 Aug 1989
PRESSURE (decibar)
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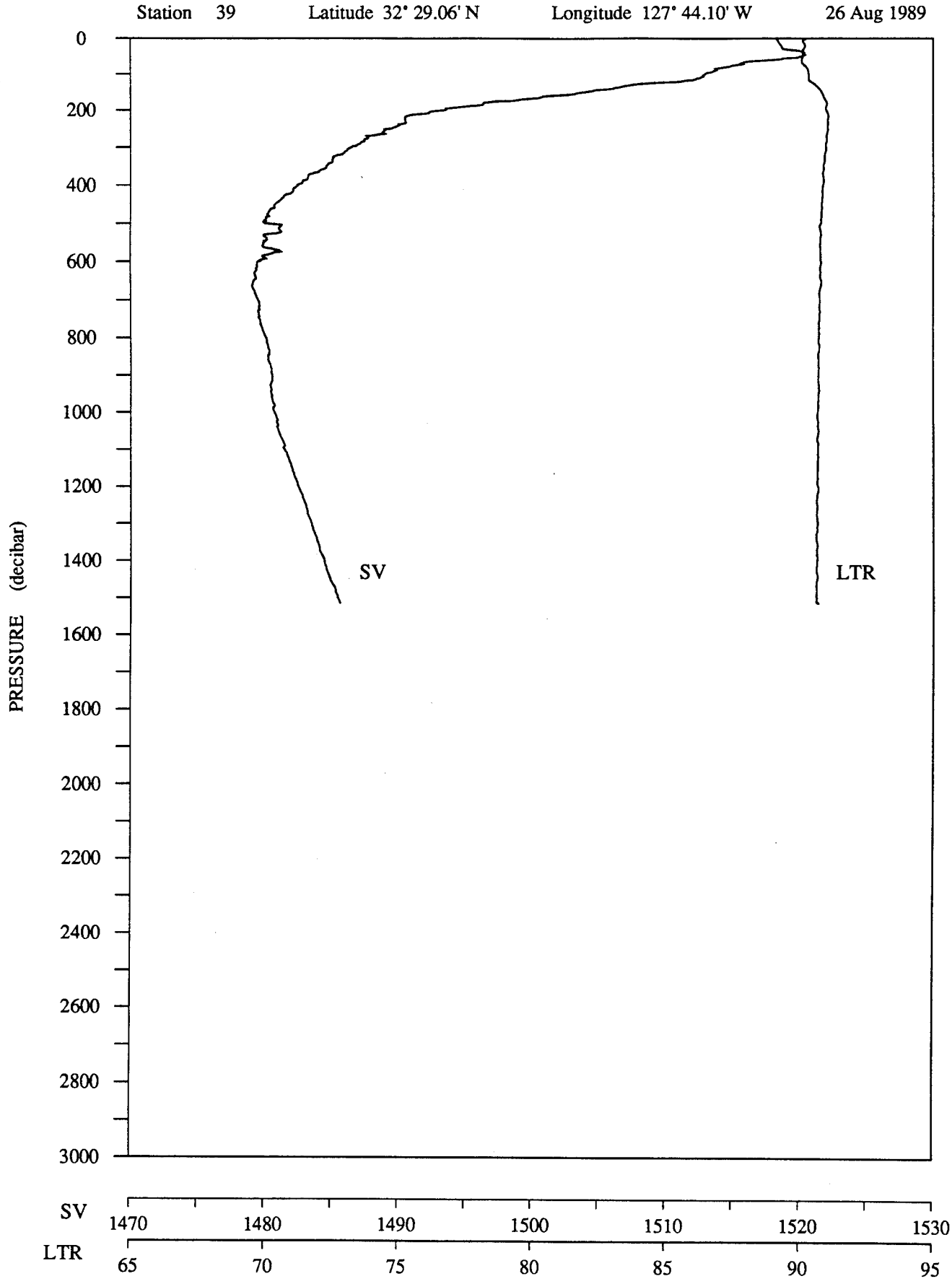
Station 39
Latitude 32° 29.06' N
Longitude 127° 44.10' W
26 Aug 1989
PRESSURE (decibar)
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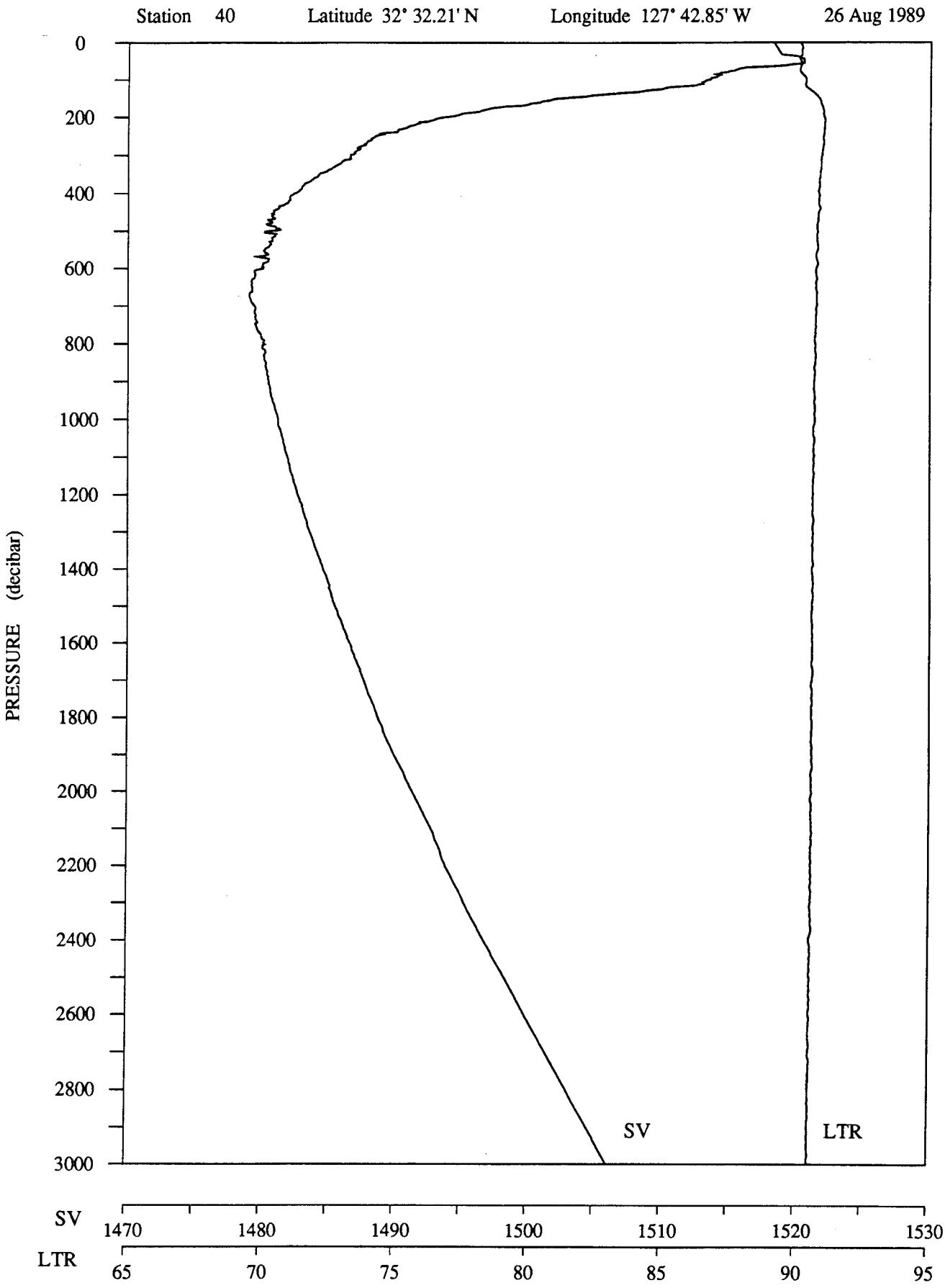
Station 40
Latitude 32° 32.21' N
Longitude 127° 42.85' W
26 Aug 1989
PRESSURE (decibar)
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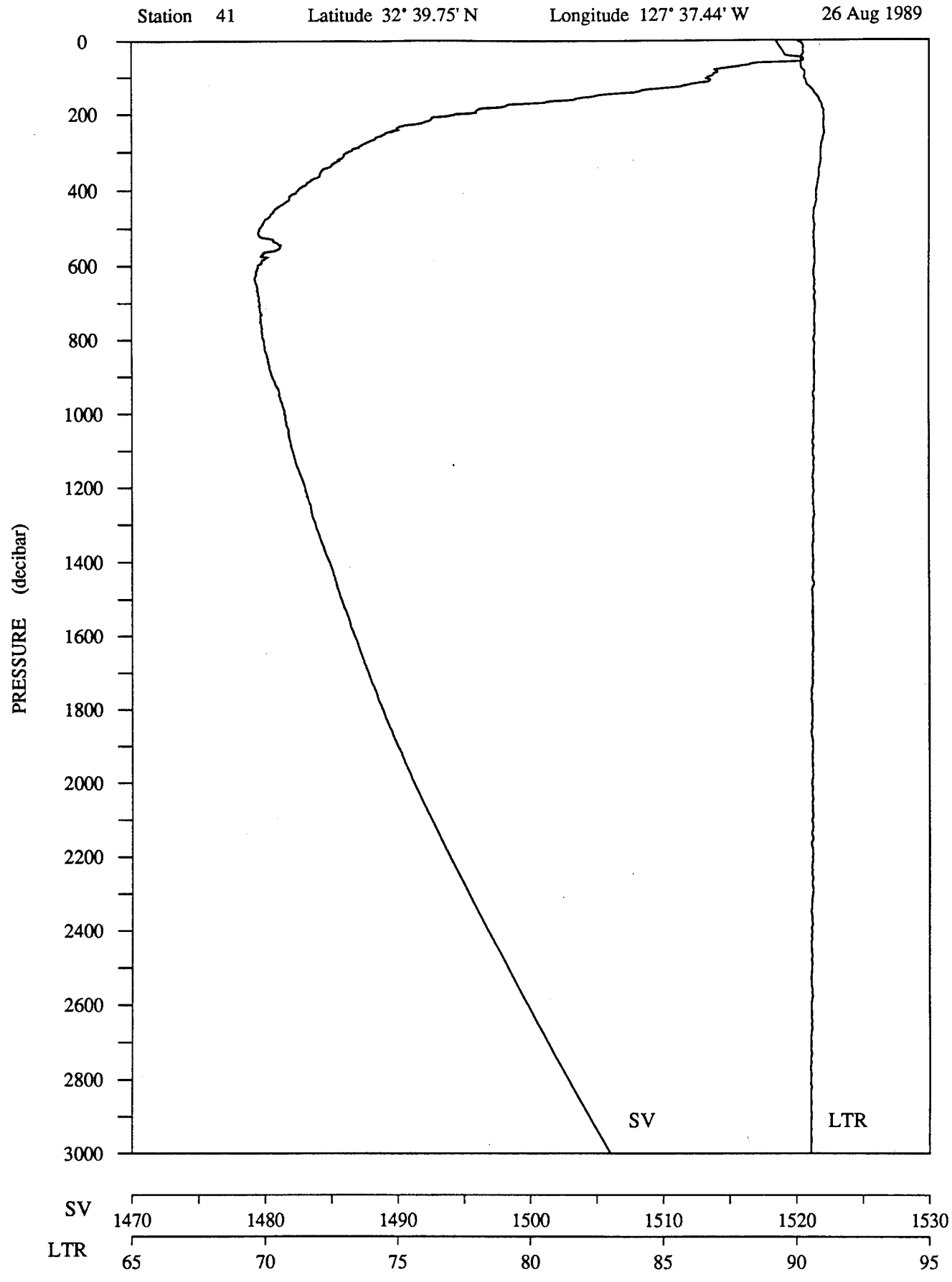
Station 41
Latitude 32° 39.75' N
Longitude 127° 37.44' W
26 Aug 1989
PRESSURE (decibar)
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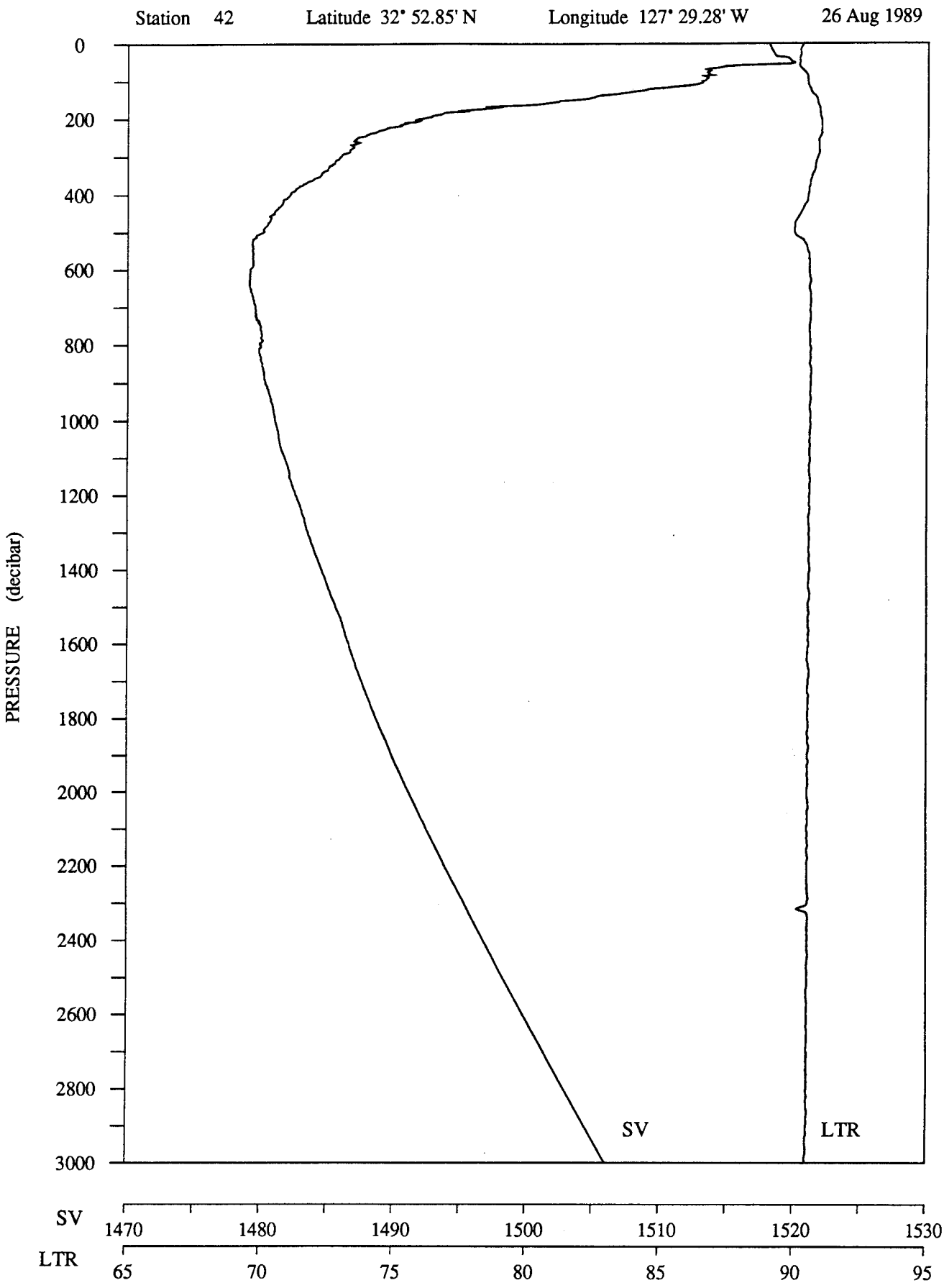
Station 42
Latitude 32° 52.85' N
Longitude 127° 29.28' W
26 Aug 1989
PRESSURE (decibar)
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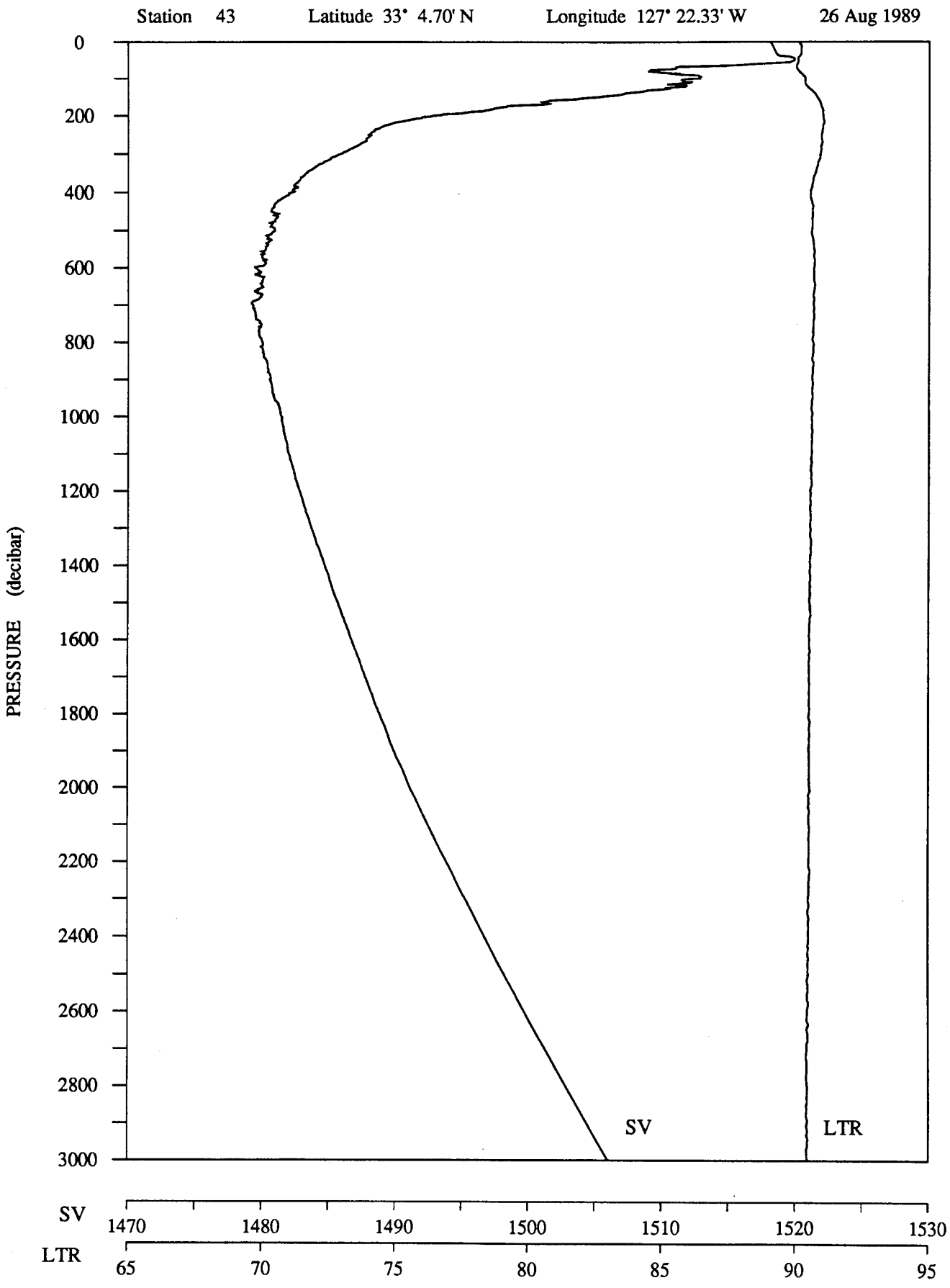
Station 43
Latitude 33° 4.70' N
Longitude 127° 22.33' W
26 Aug 1989
PRESSURE (decibar)
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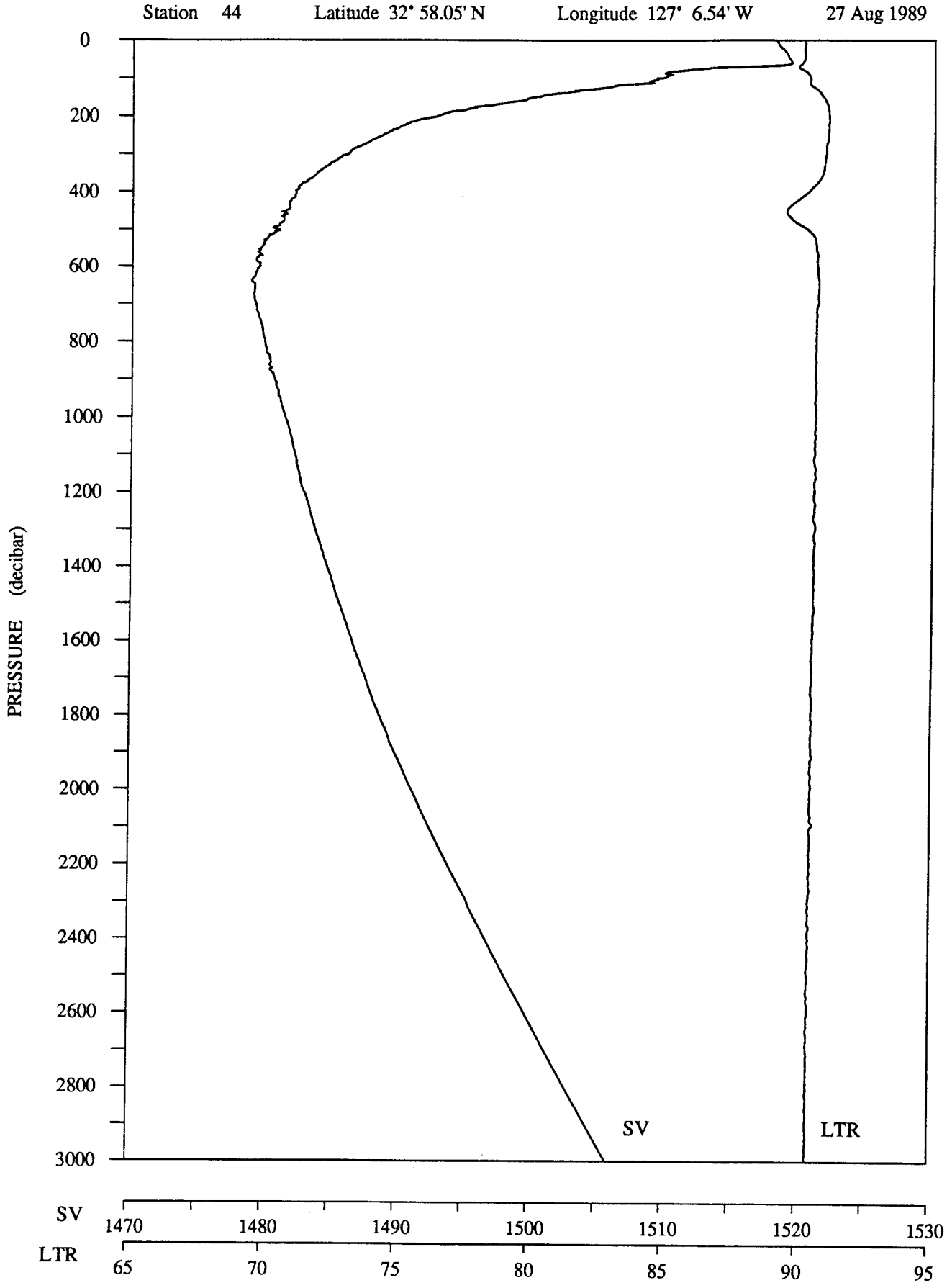
Station 44
Latitude 32° 58.05' N
Longitude 127° 6.54' W
27 Aug 1989
PRESSURE (decibar)
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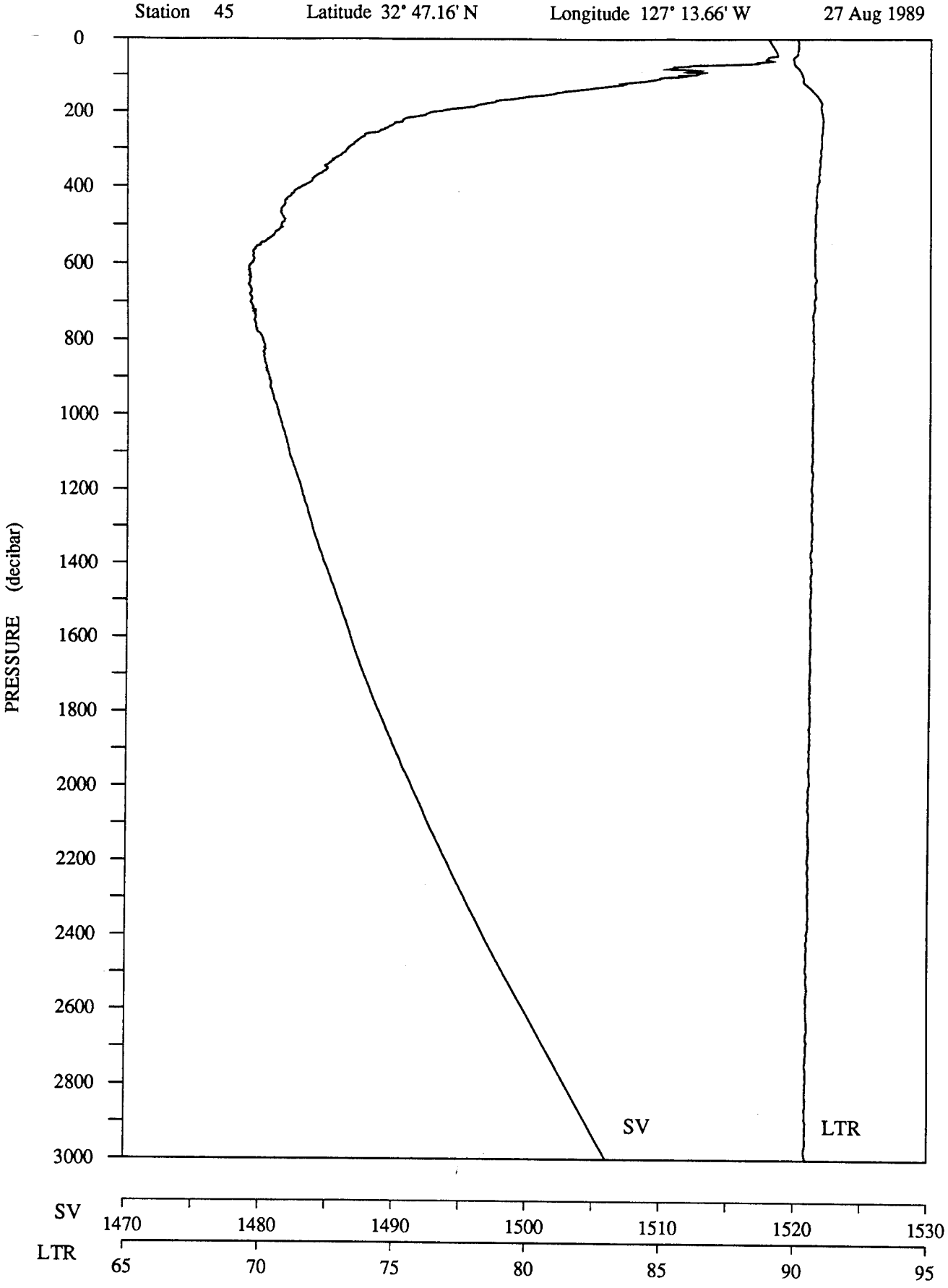
Station 45
Latitude 32° 47.16' N
Longitude 127° 13.66' W
27 Aug 1989
PRESSURE (decibar)
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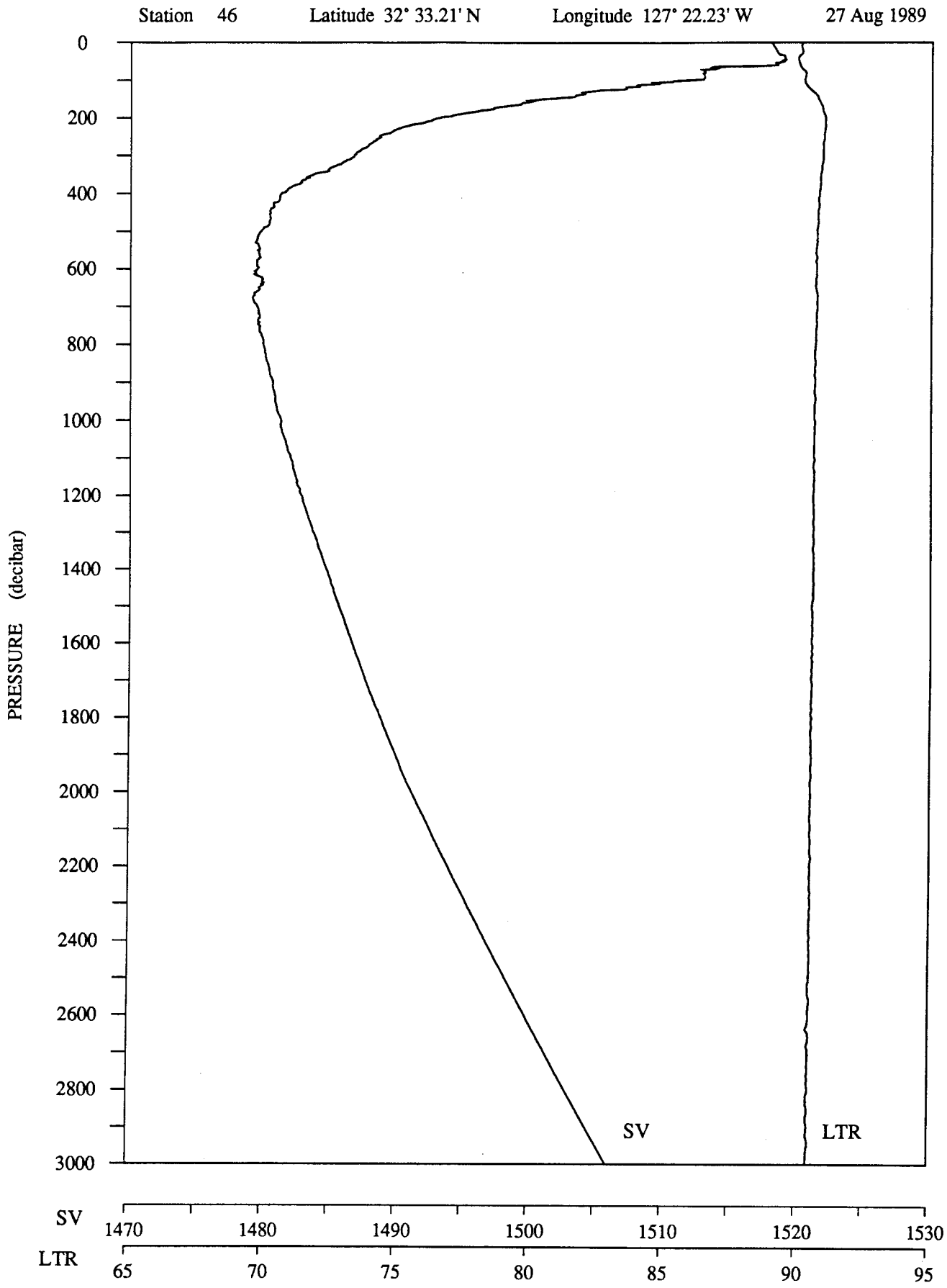
Station 46
Latitude 32° 33.21' N
Longitude 127° 22.23' W
27 Aug 1989
PRESSURE (decibar)
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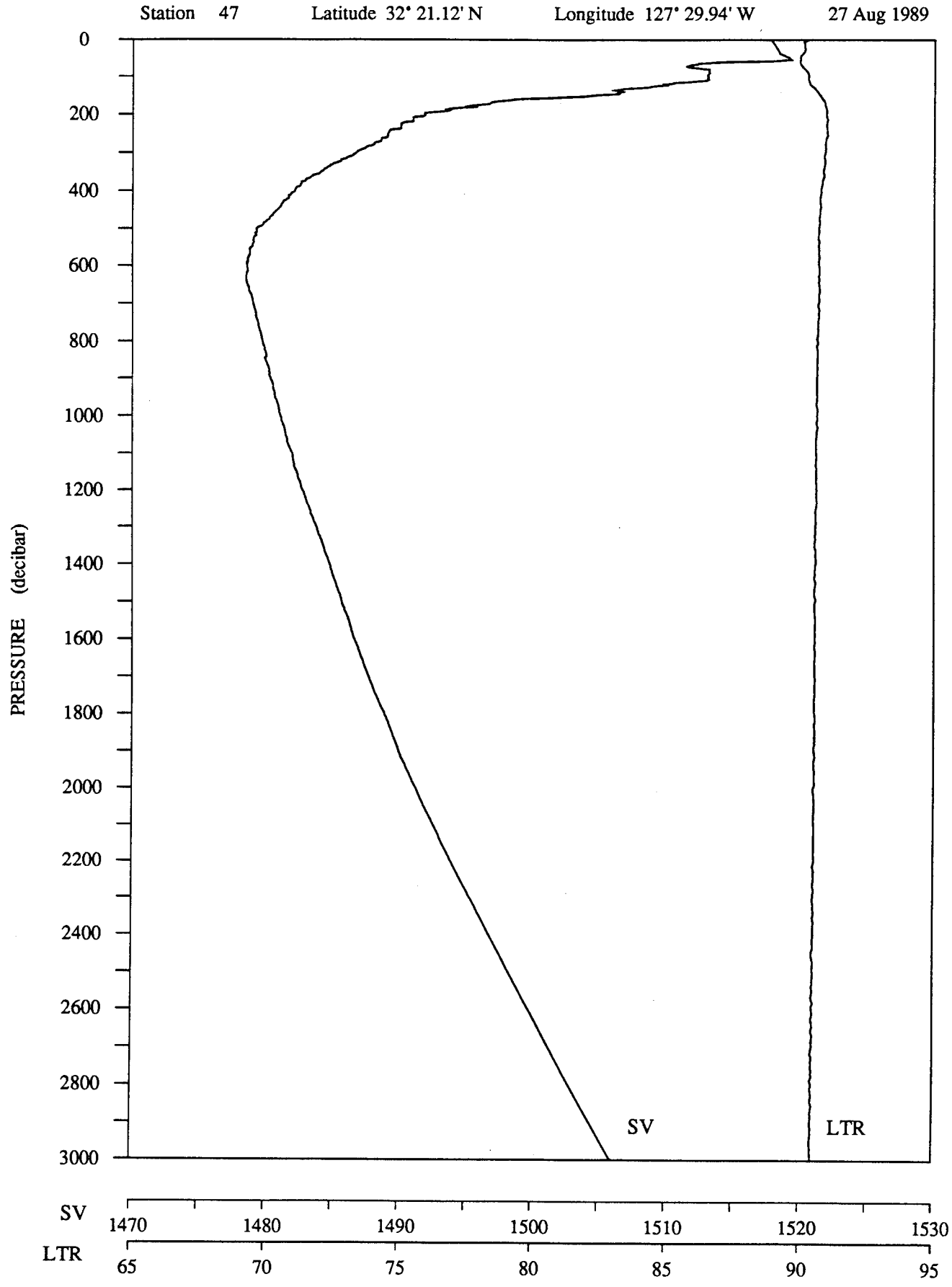
Station 47
Latitude 32° 21.12' N
Longitude 127° 29.94' W
27 Aug 1989
PRESSURE (decibar)
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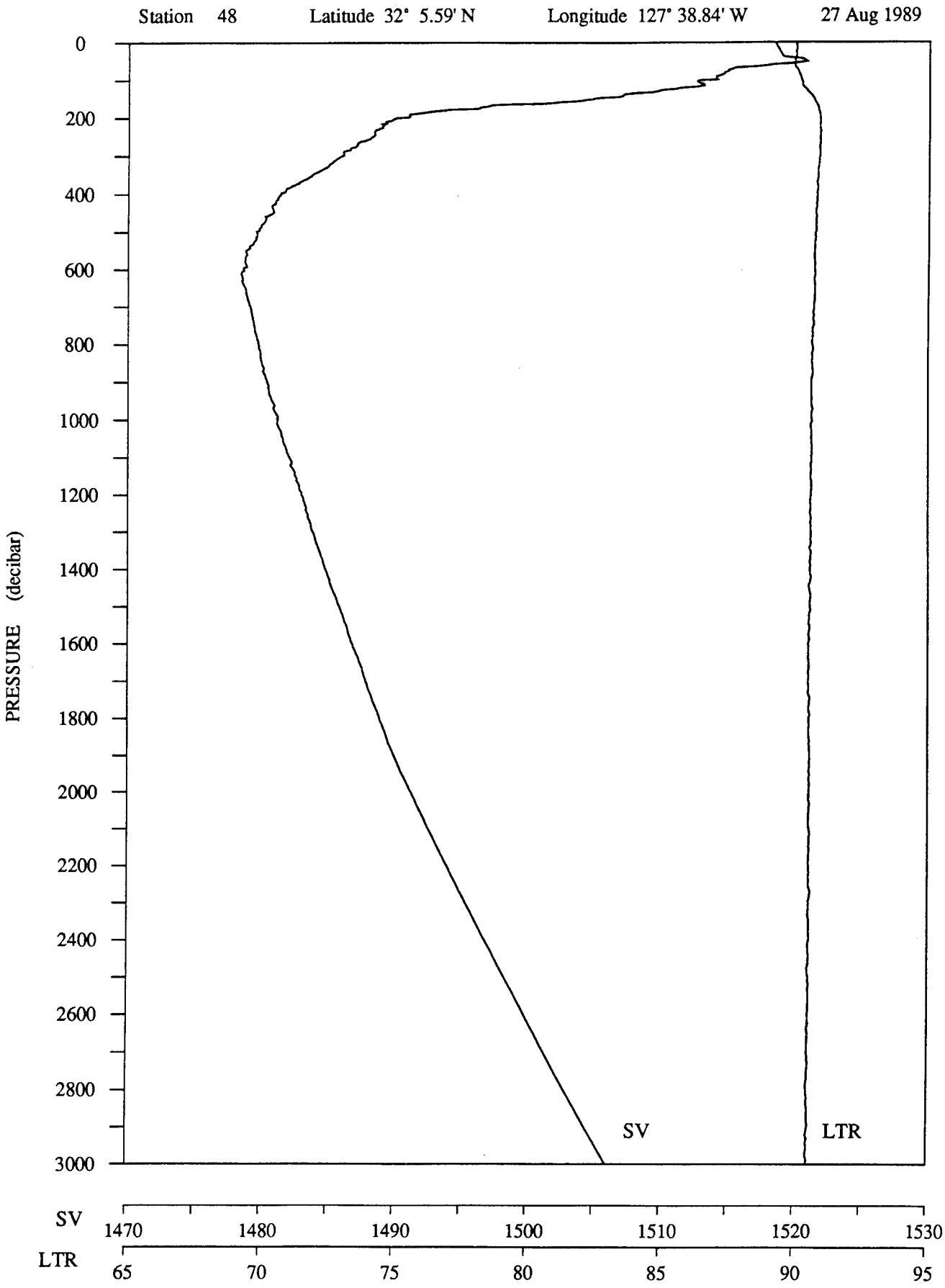
Station 48
Latitude 32° 5.59' N
Longitude 127° 38.84' W
27 Aug 1989
PRESSURE (decibar)
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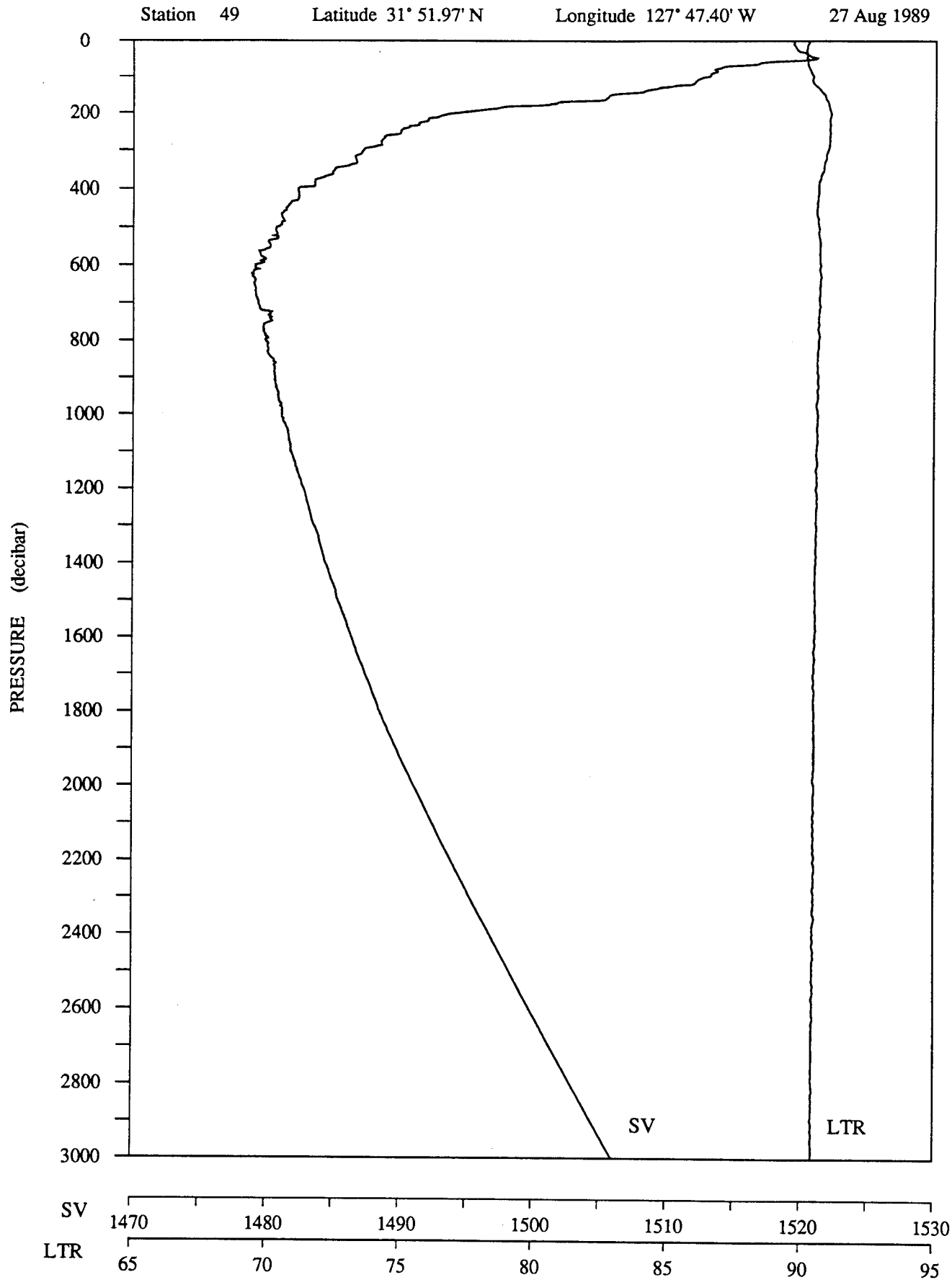
Station 49
Latitude 31° 51.97' N
Longitude 127° 47.40' W
27 Aug 1989
PRESSURE (decibar)
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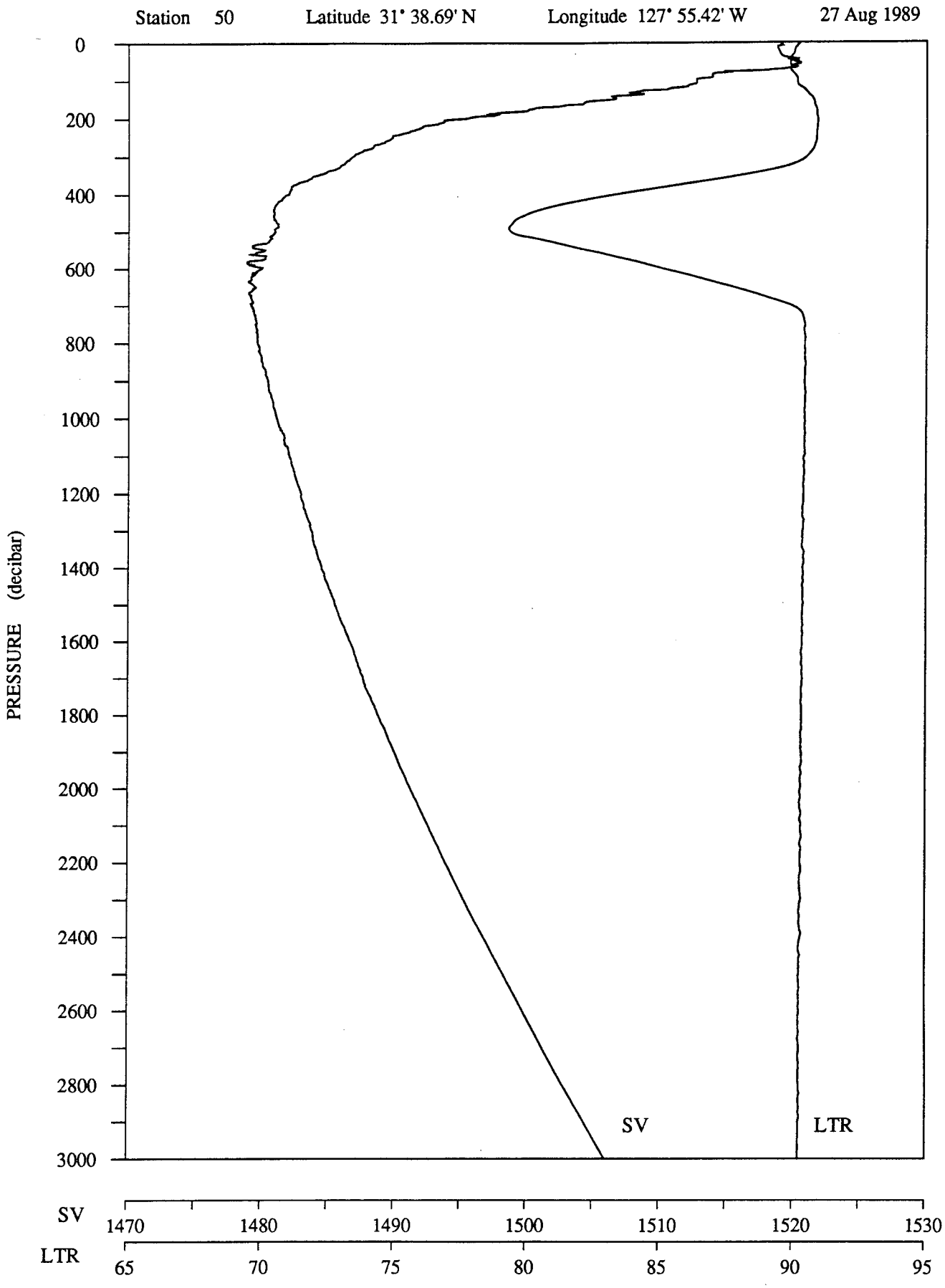
Station 50
Latitude 31° 38.69' N
Longitude 127° 55.42' W
27 Aug 1989
PRESSURE (decibar)
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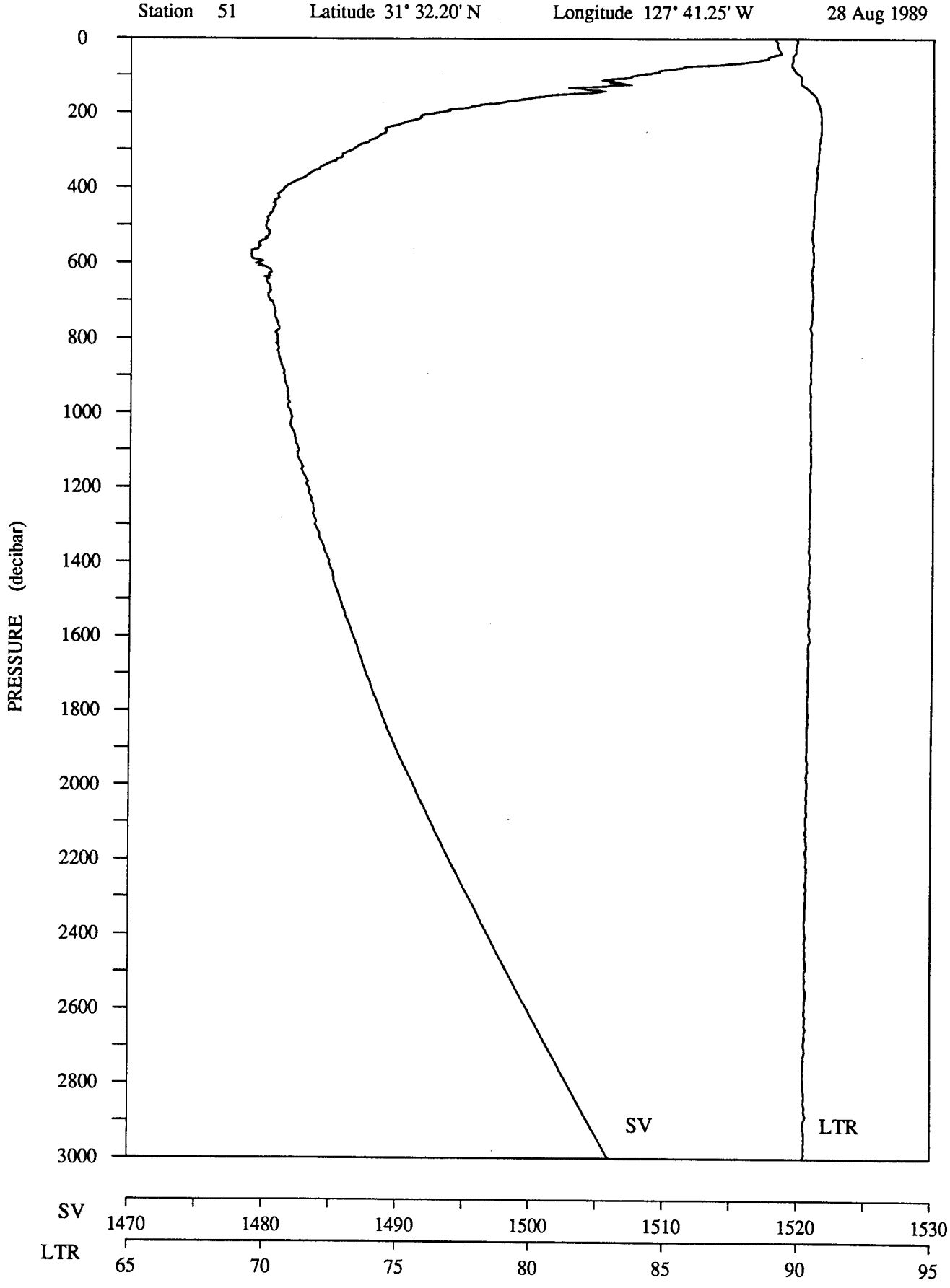
Station 51
Latitude 31° 32.20' N
Longitude 127° 41.25' W
28 Aug 1989
PRESSURE (decibar)
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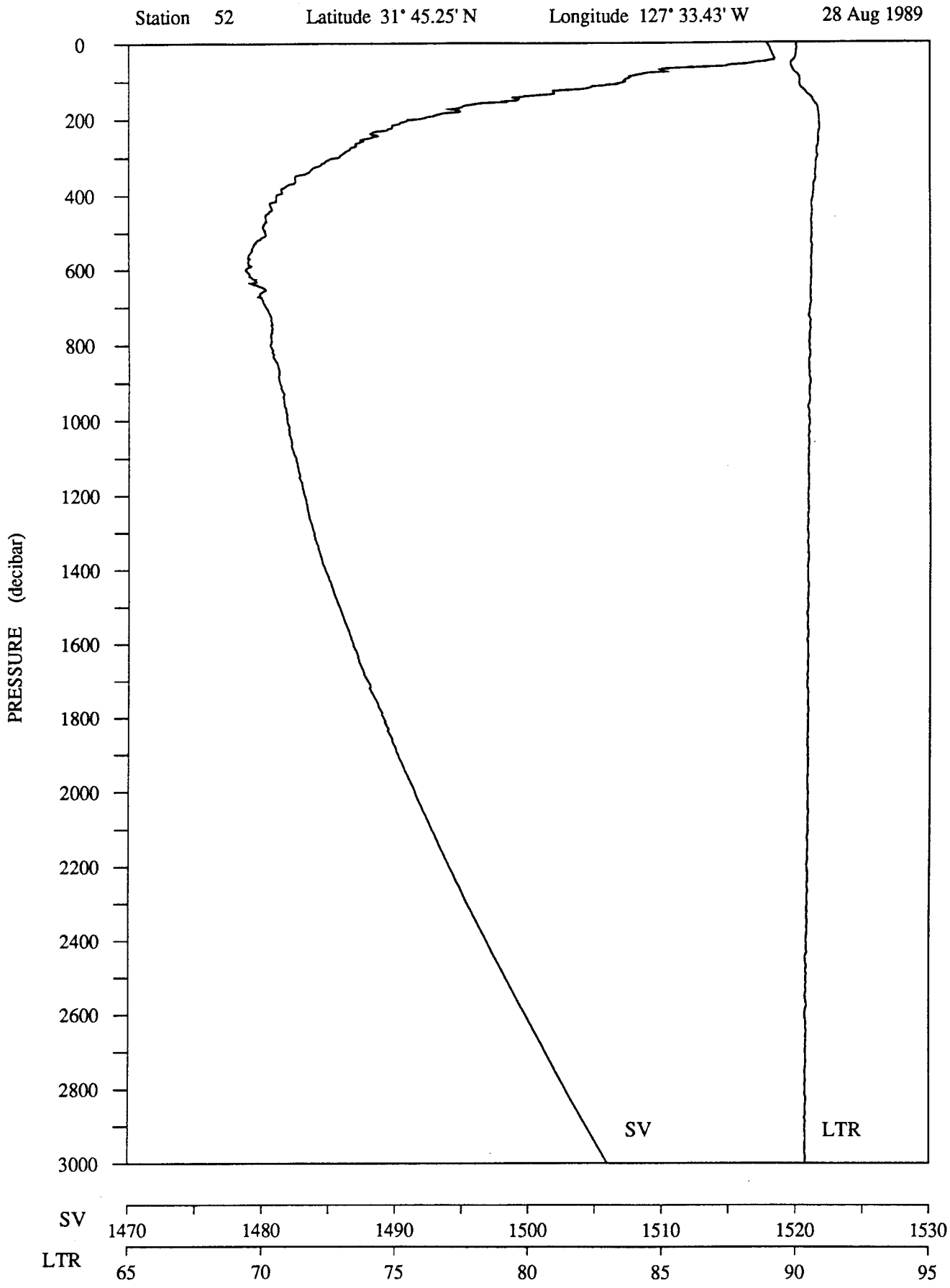
Station 52
Latitude 31° 45.25' N
Longitude 127° 33.43' W
28 Aug 1989
PRESSURE (decibar)
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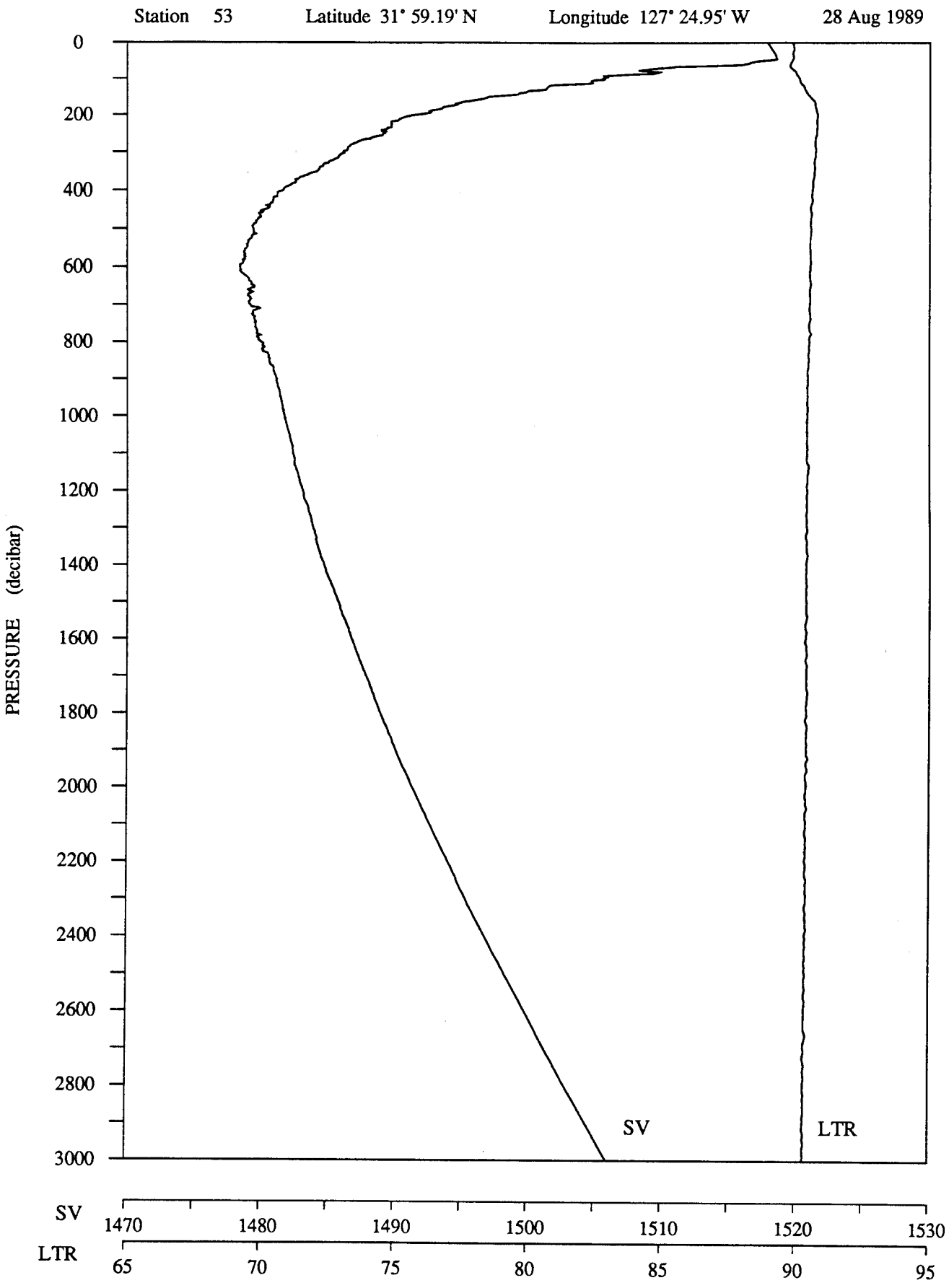
Station 53
Latitude 31° 59.19' N
Longitude 127° 24.95' W
28 Aug 1989
PRESSURE (decibar)
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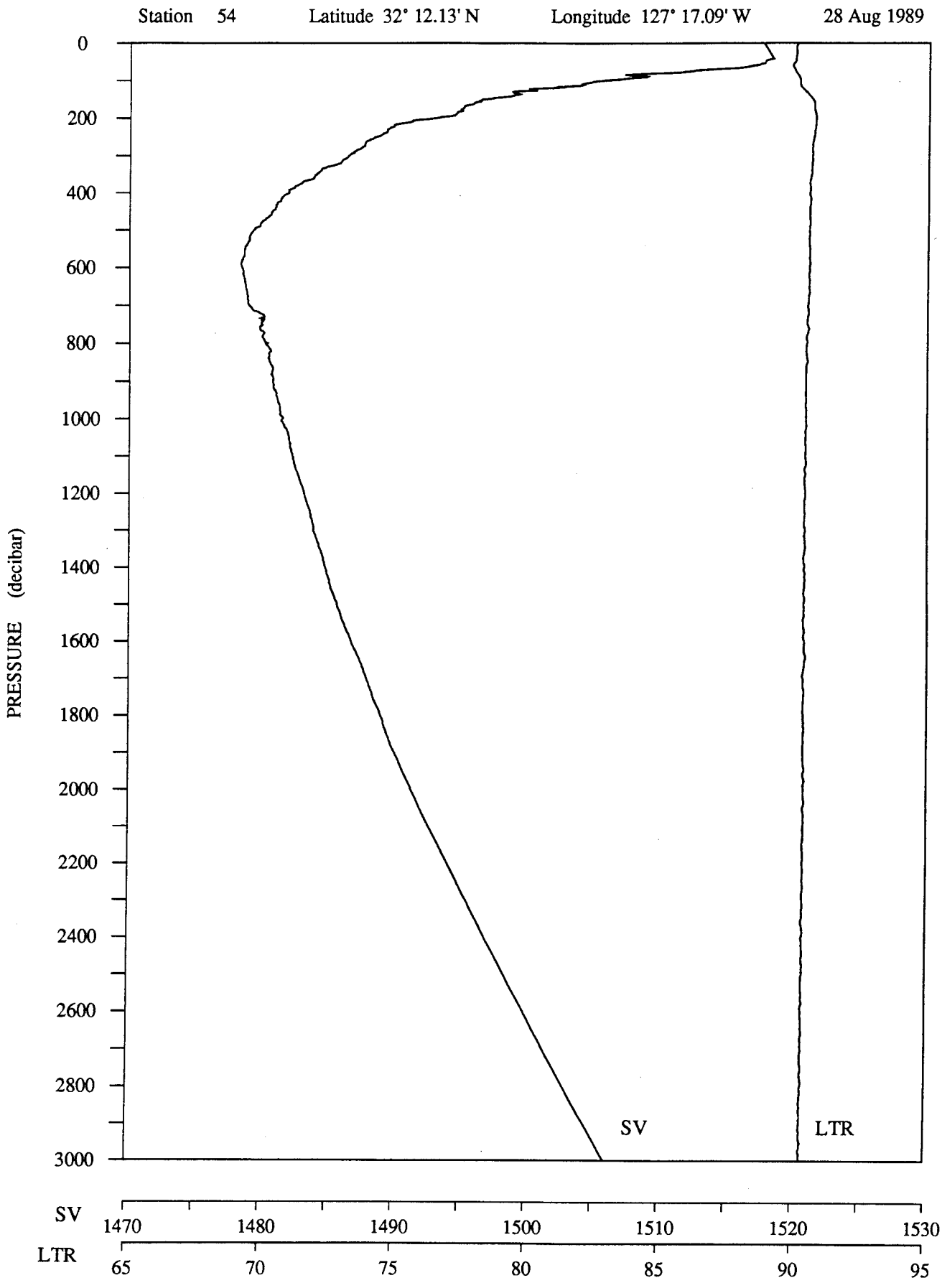
Station 54
Latitude 32° 12.13' N
Longitude 127° 17.09' W
28 Aug 1989
PRESSURE (decibar)
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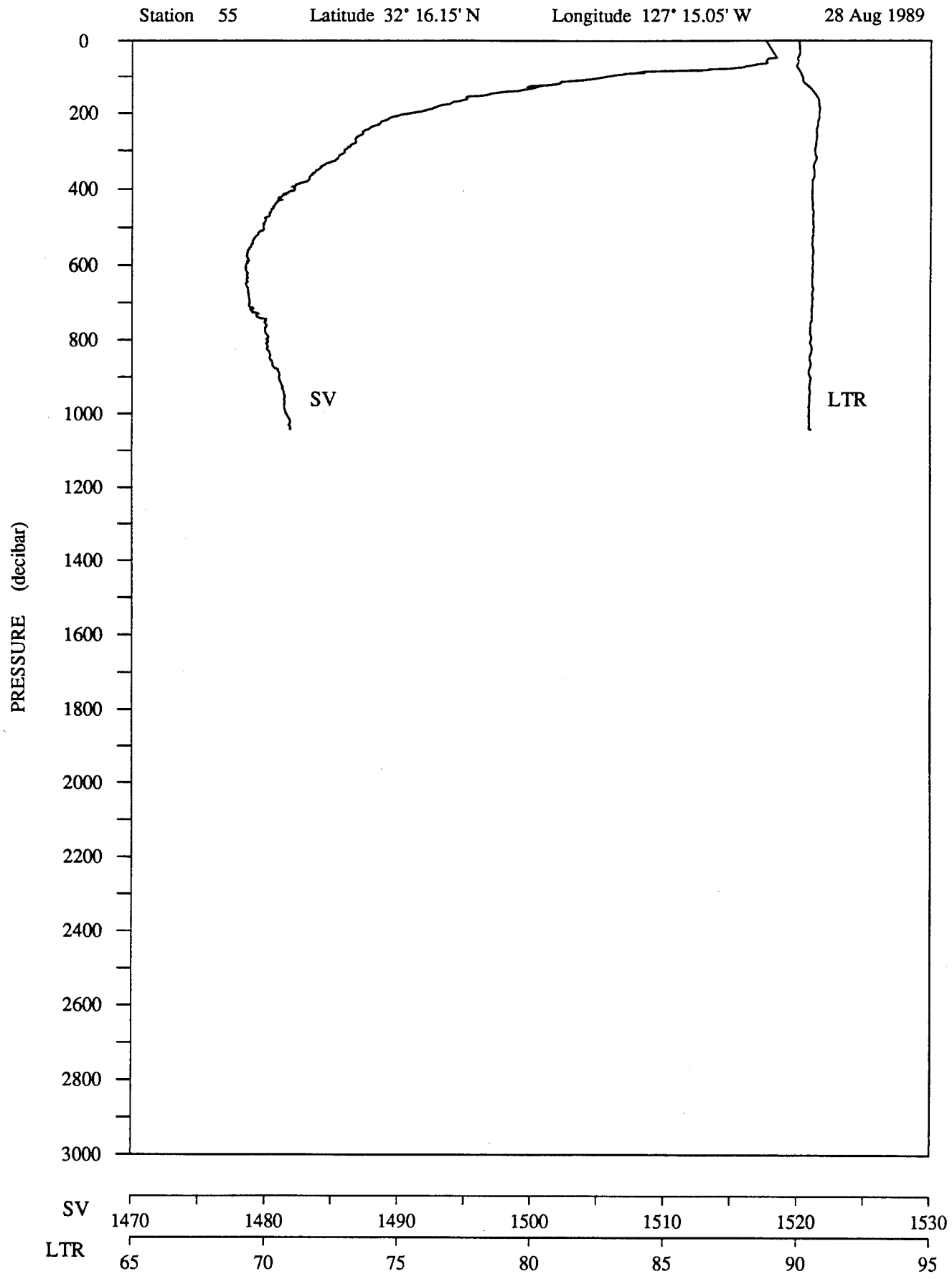
Station 55
Latitude 32° 16.15' N
Longitude 127° 15.05' W
28 Aug 1989
PRESSURE (decibar)
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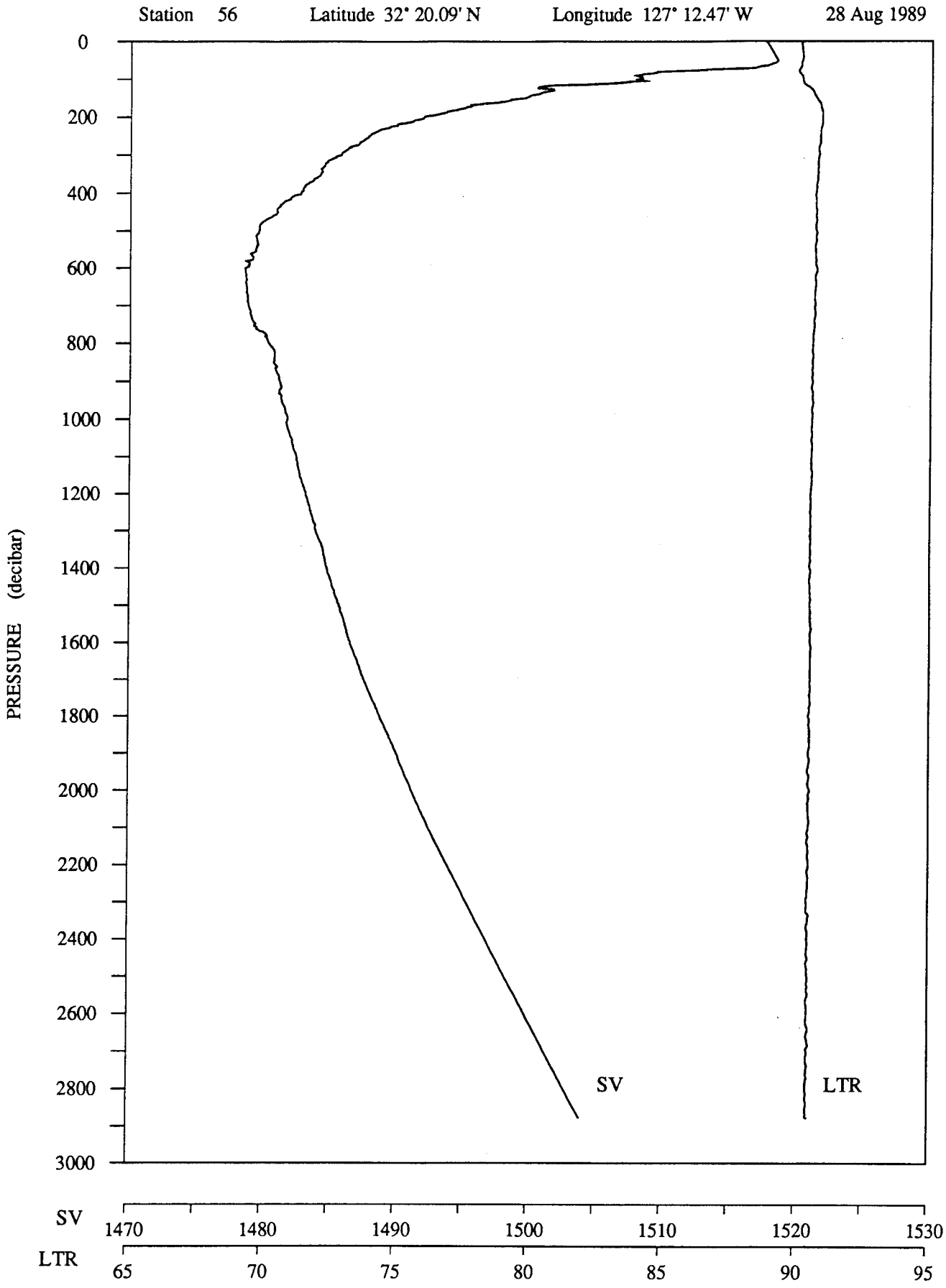
Station 56
Latitude 32° 20.09' N
Longitude 127° 12.47' W
28 Aug 1989
PRESSURE (decibar)
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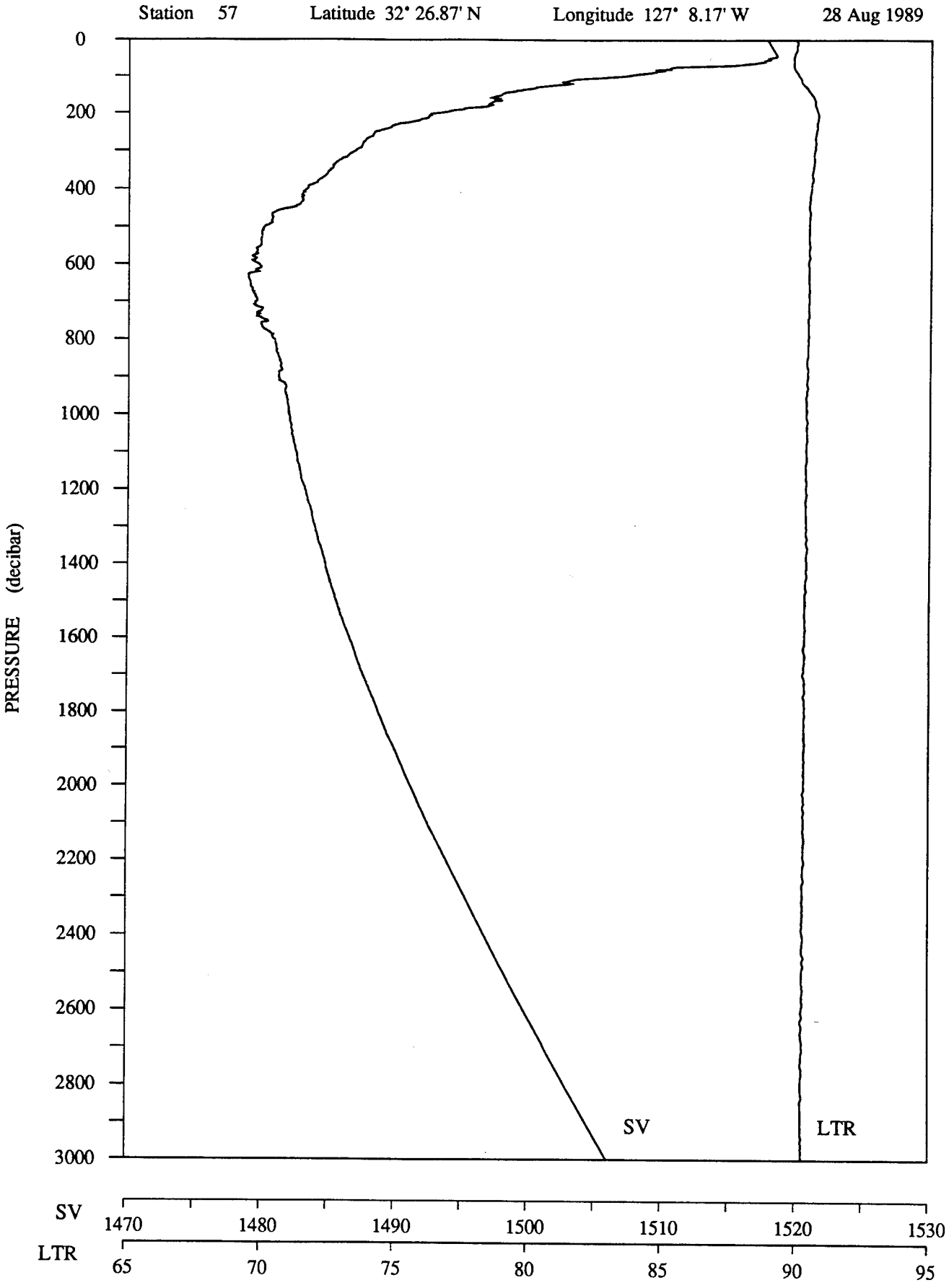
Station 57
Latitude 32° 26.87' N
Longitude 127° 8.17' W
28 Aug 1989
PRESSURE (decibar)
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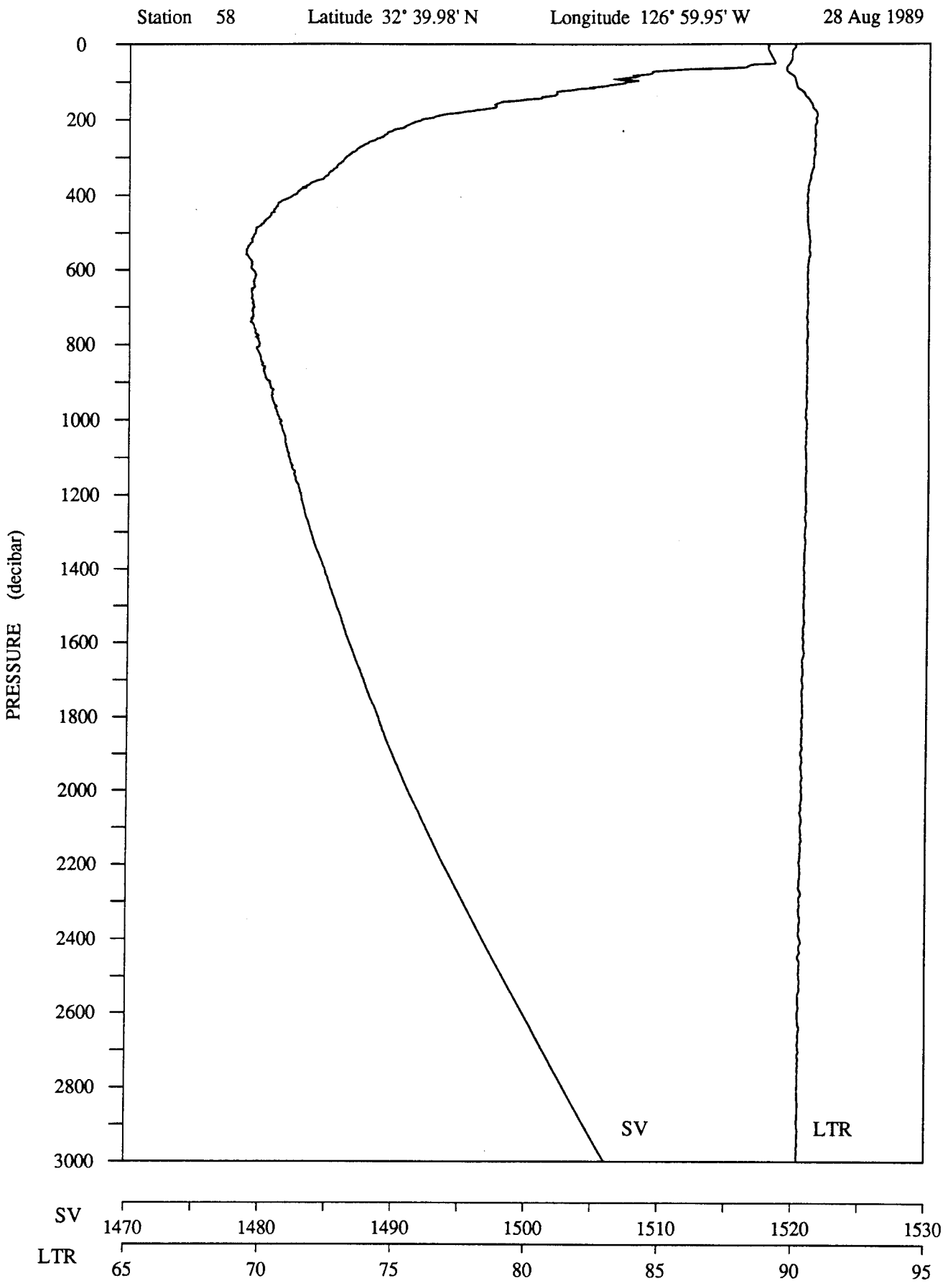
Station 58
Latitude 32° 39.98' N
Longitude 126° 59.95' W
28 Aug 1989
PRESSURE (decibar)
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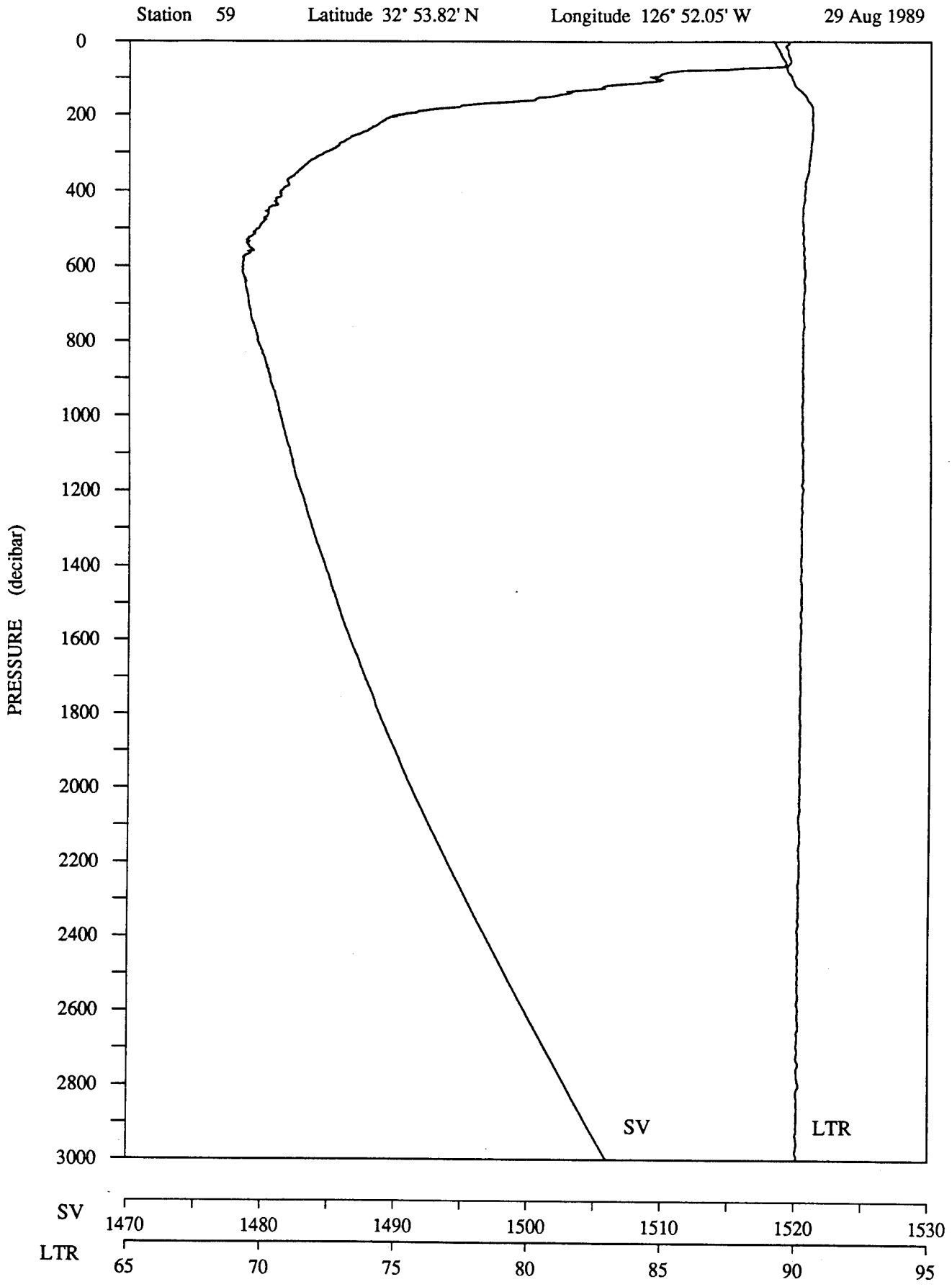
Station 59
Latitude 32° 53.82' N
Longitude 126° 52.05' W
29 Aug 1989
PRESSURE (decibar)
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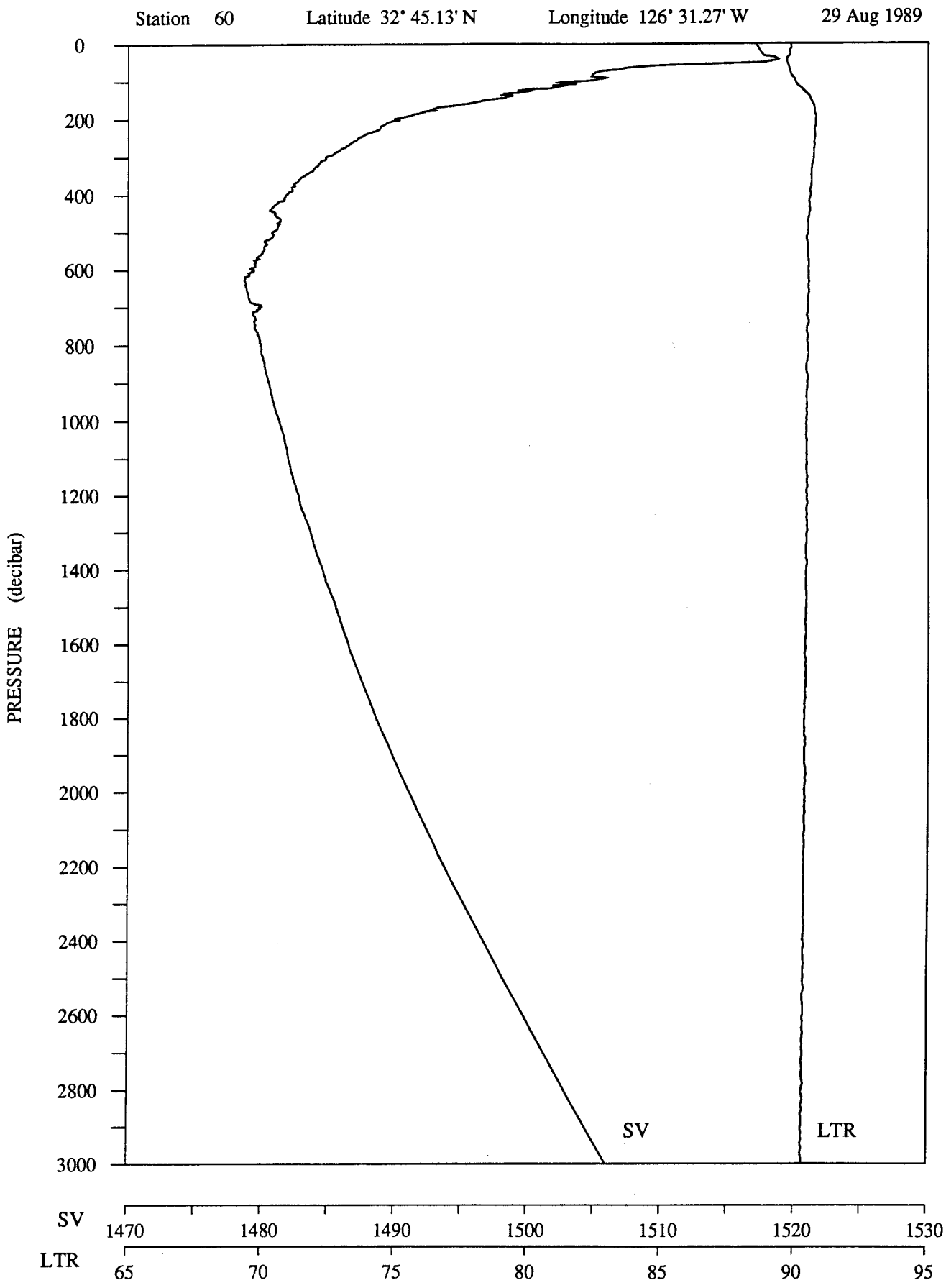
Station 60
Latitude 32° 45.13' N
Longitude 126° 31.27' W
29 Aug 1989
PRESSURE (decibar)
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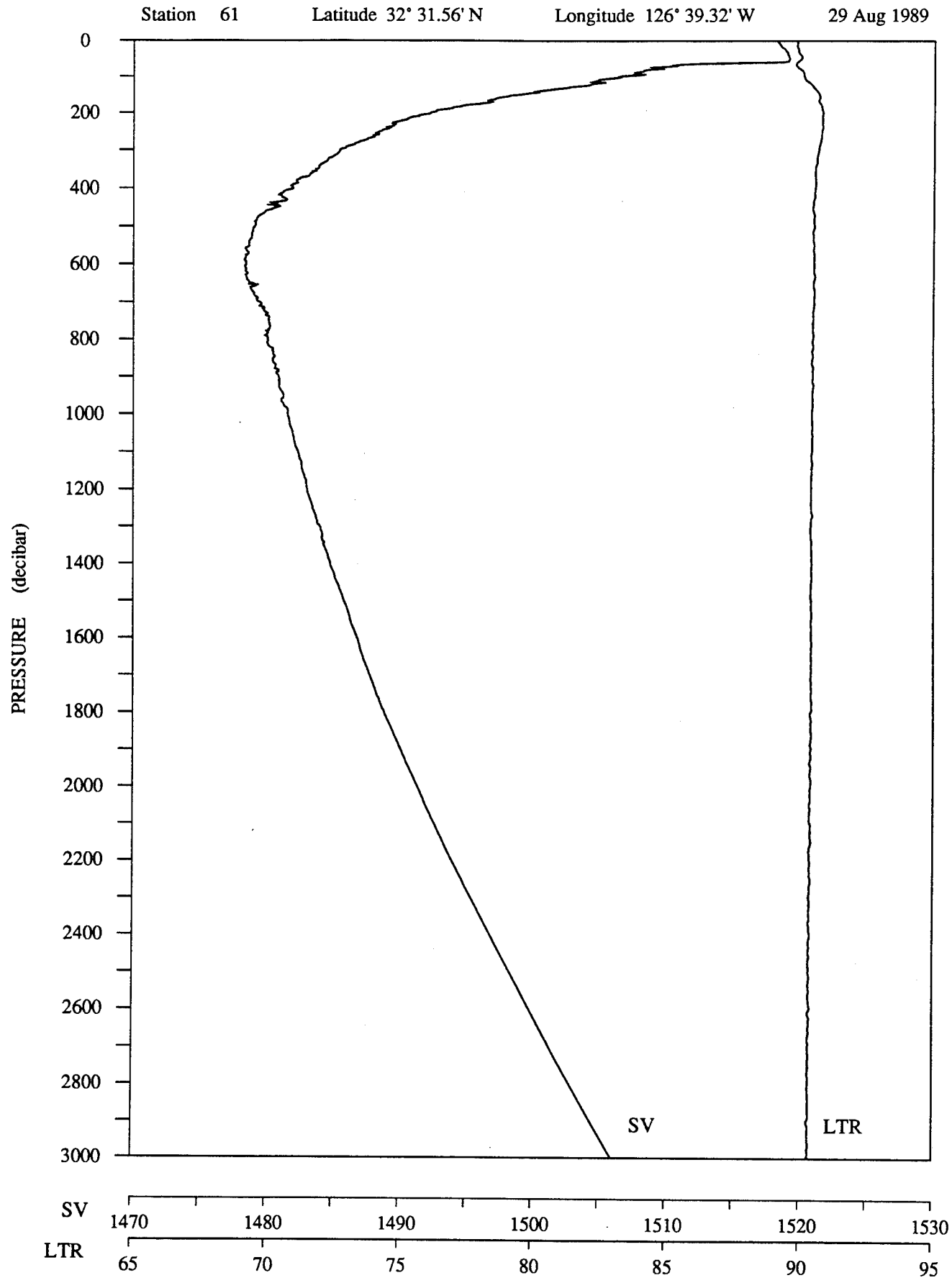
Station 61
Latitude 32° 31.56' N
Longitude 126° 39.32' W
29 Aug 1989
PRESSURE (decibar)
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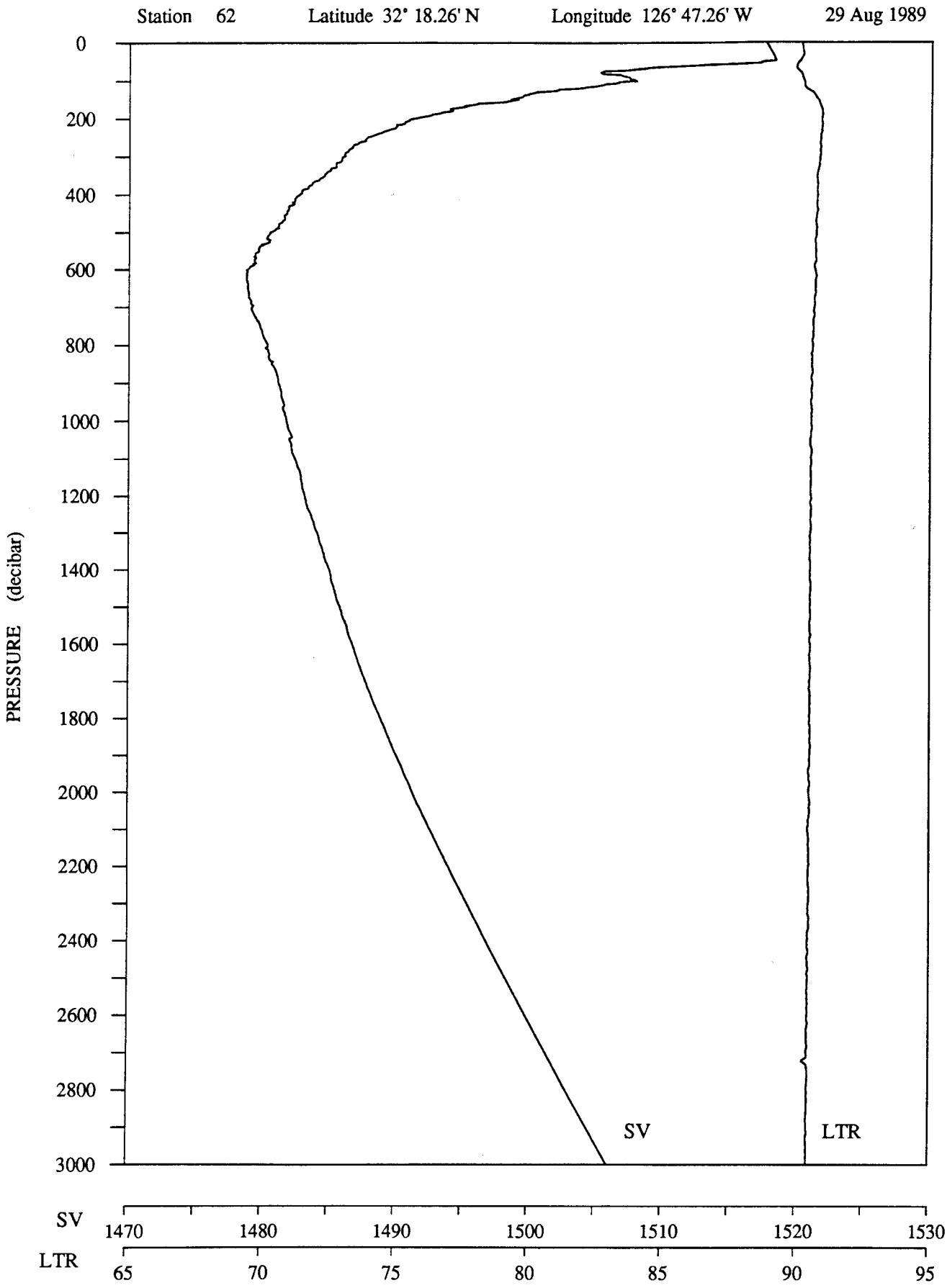
Station 62
Latitude 32° 18.26' N
Longitude 126° 47.26' W
29 Aug 1989
PRESSURE (decibar)
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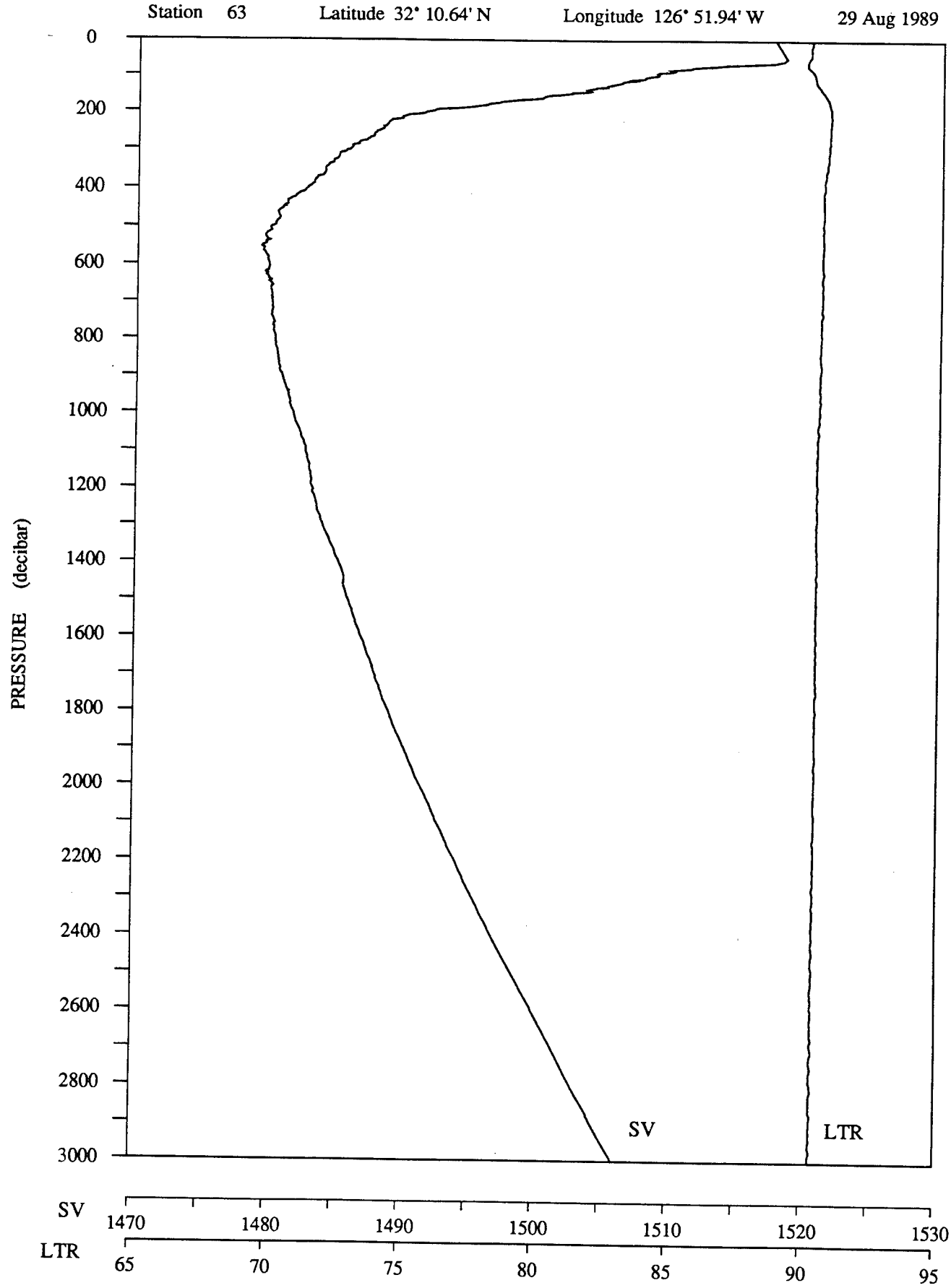
Station 63
Latitude 32° 10.64' N
Longitude 126° 51.94' W
29 Aug 1989
PRESSURE (decibar)
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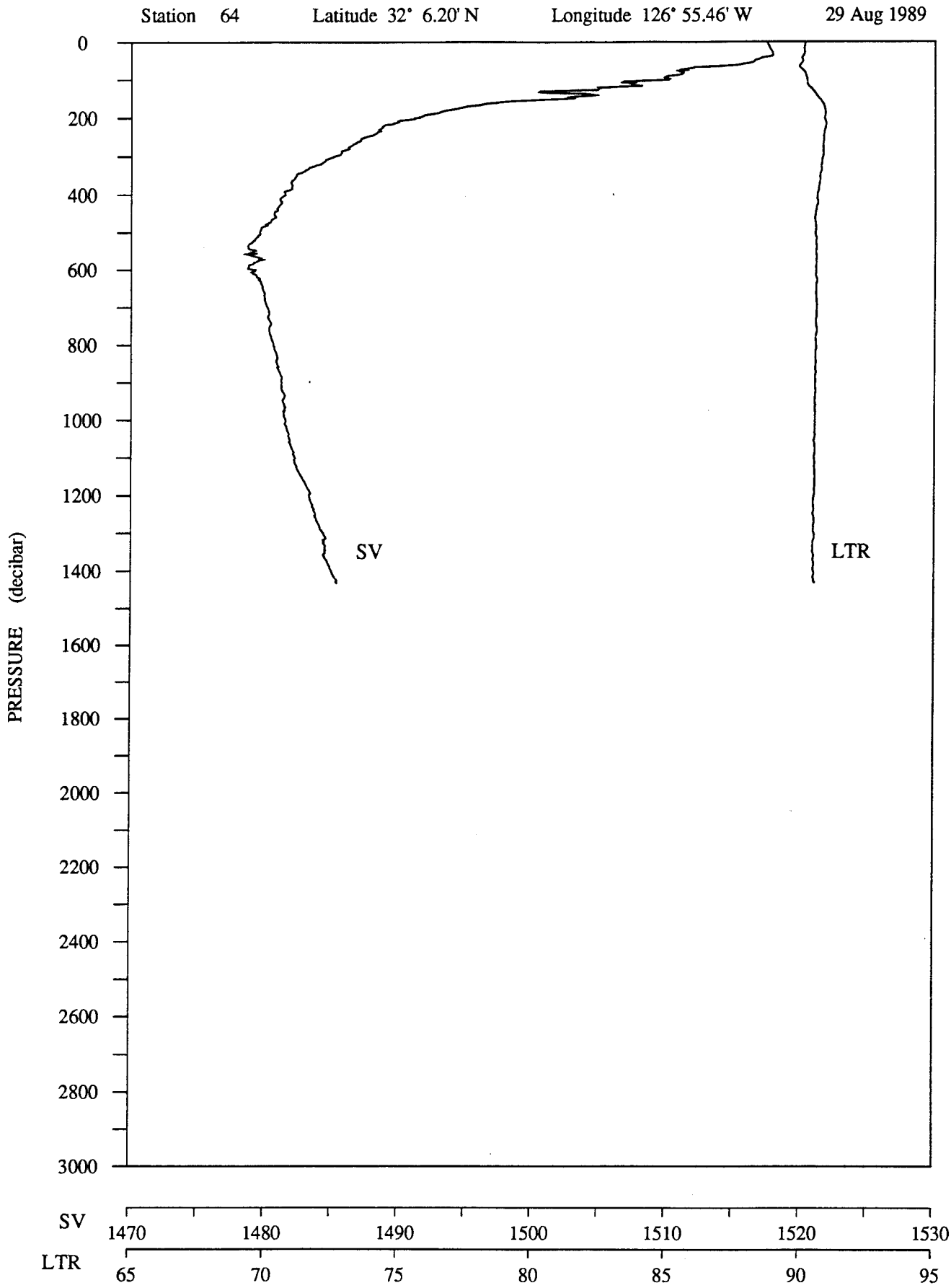
Station 64
Latitude 32° 6.20' N
Longitude 126° 55.46' W
29 Aug 1989
PRESSURE (decibar)
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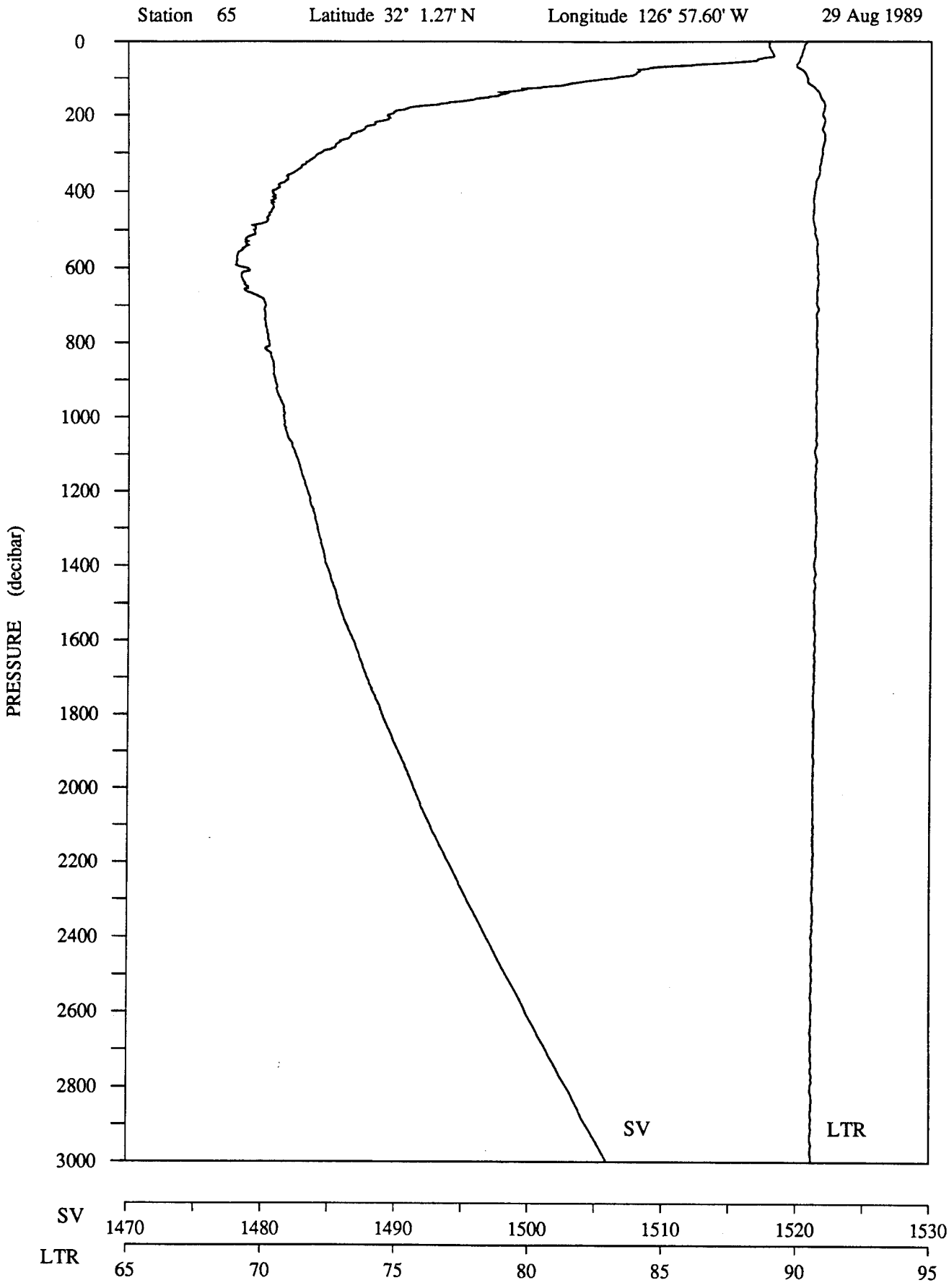
Station 65
Latitude 32° 1.27' N
Longitude 126° 57.60' W
29 Aug 1989
PRESSURE (decibar)
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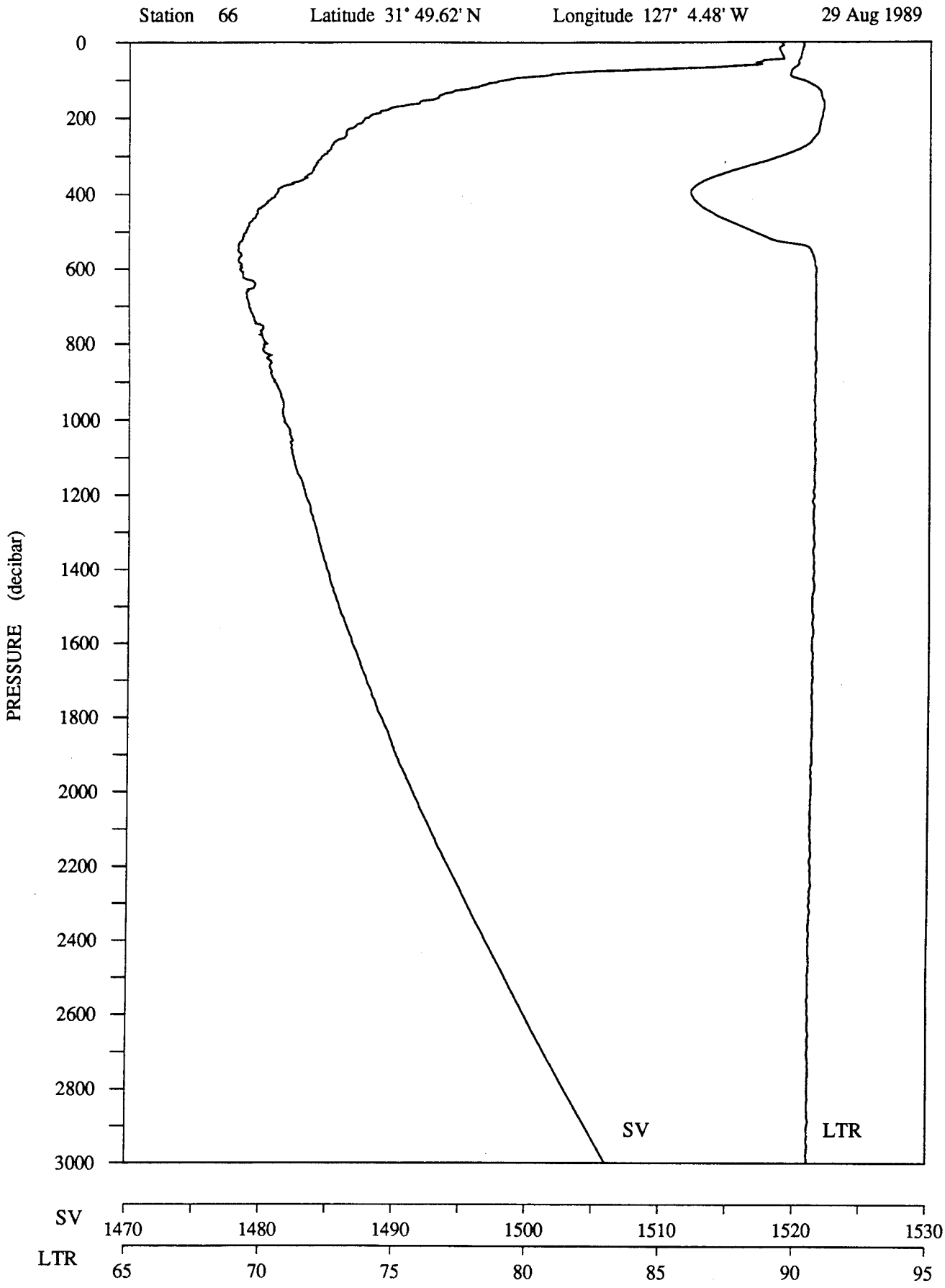
Station 66
Latitude 31° 49.62' N
Longitude 127° 4.48' W
29 Aug 1989
PRESSURE (decibar)
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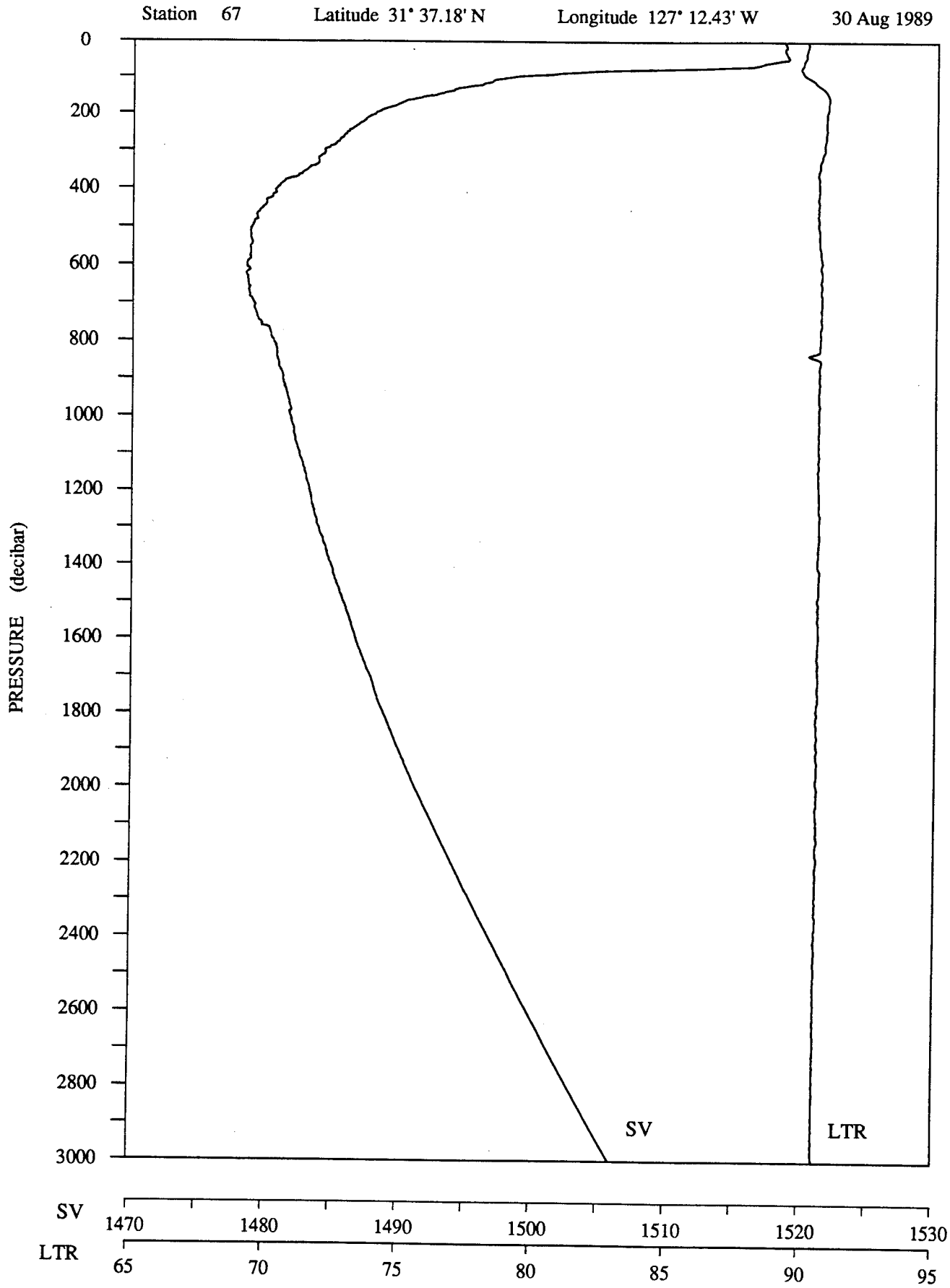
Station 67
Latitude 31° 37.18' N
Longitude 127° 12.43' W
30 Aug 1989
PRESSURE (decibar)
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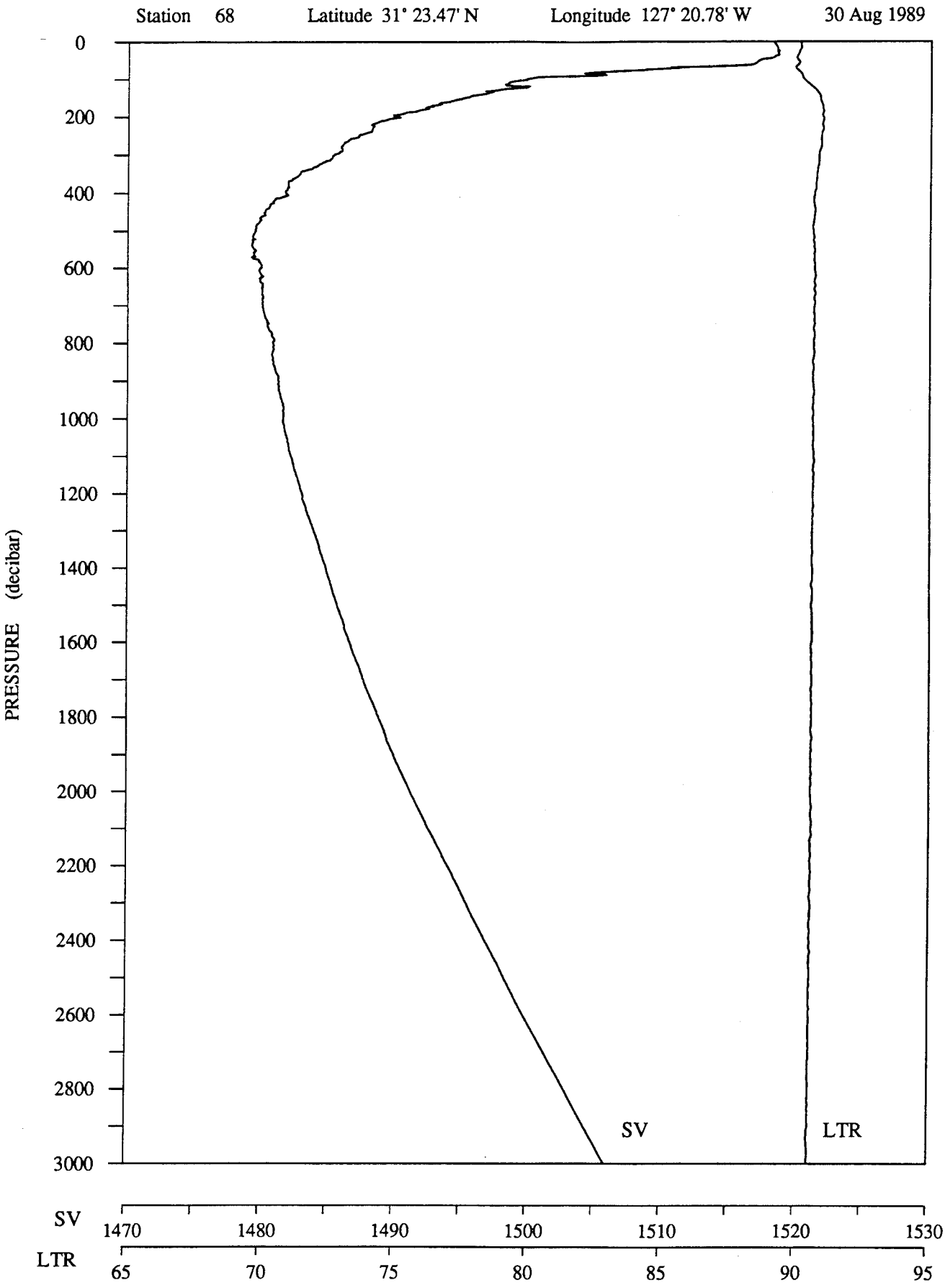
Station 68
Latitude 31° 23.47' N
Longitude 127° 20.78' W
30 Aug 1989
PRESSURE (decibar)
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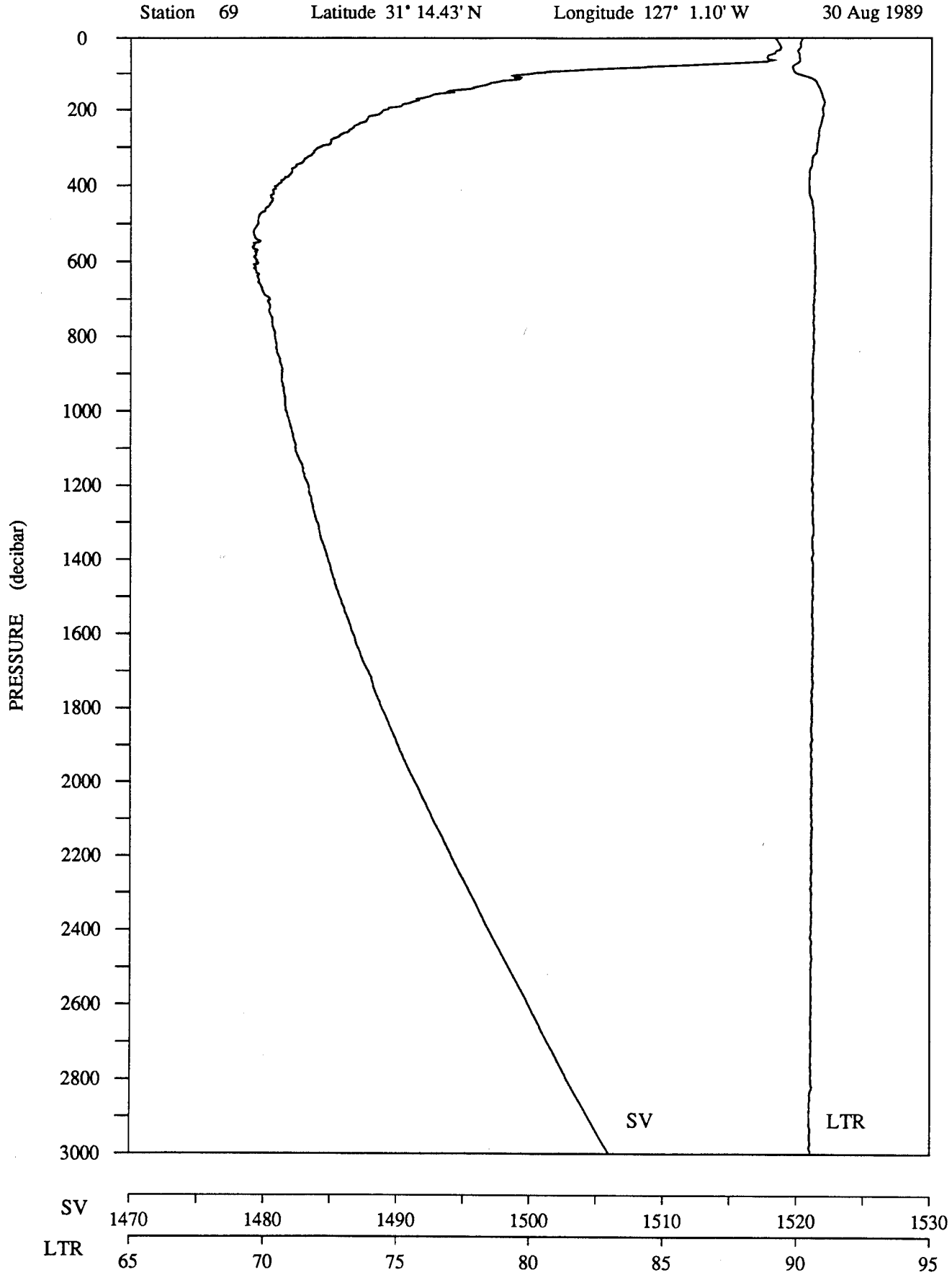
Station 69
Latitude 31° 14.43' N
Longitude 127° 1.10' W
30 Aug 1989
PRESSURE (decibar)
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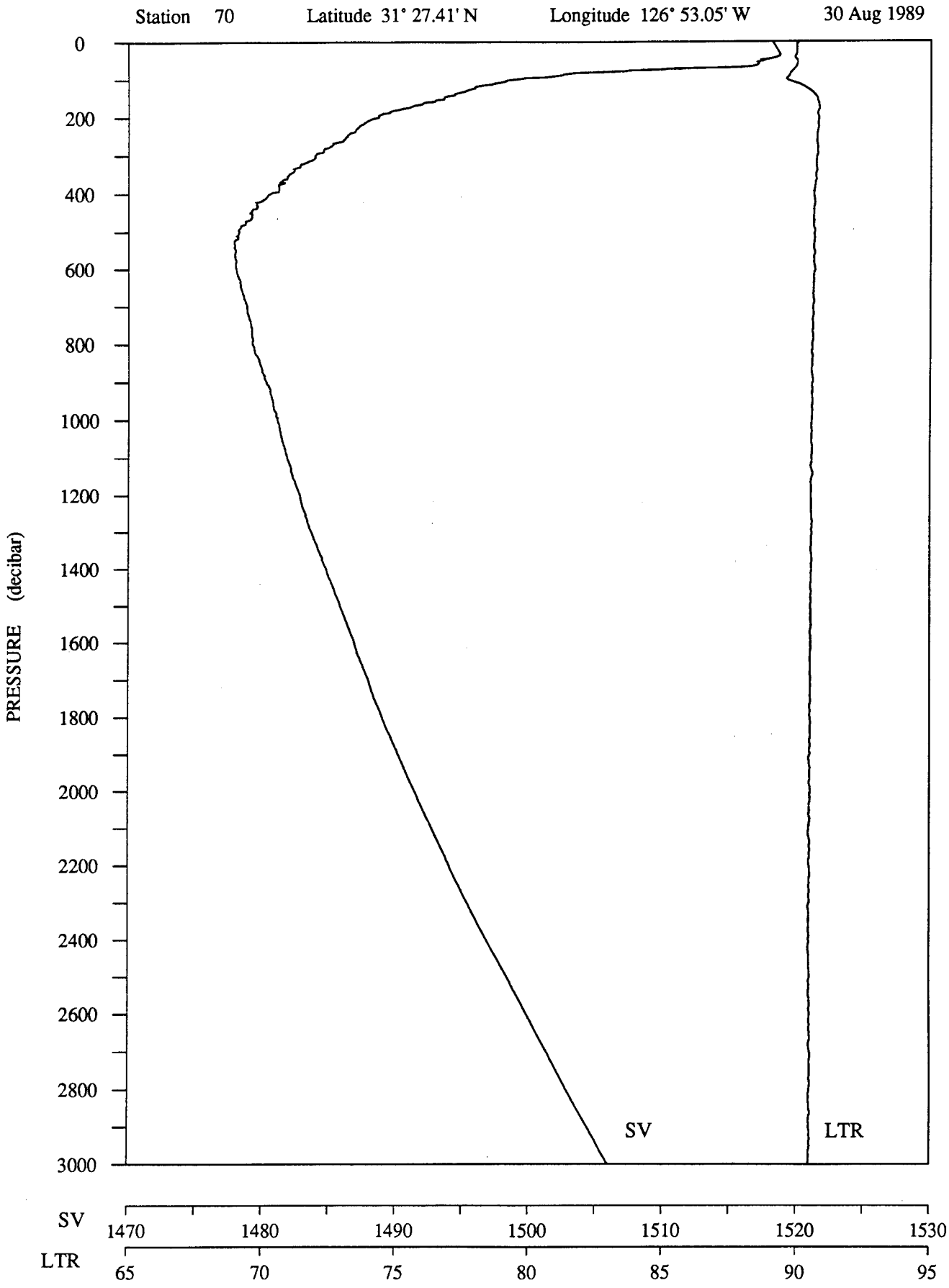
Station 70
Latitude 31° 27.41' N
Longitude 126° 53.05' W
30 Aug 1989
PRESSURE (decibar)
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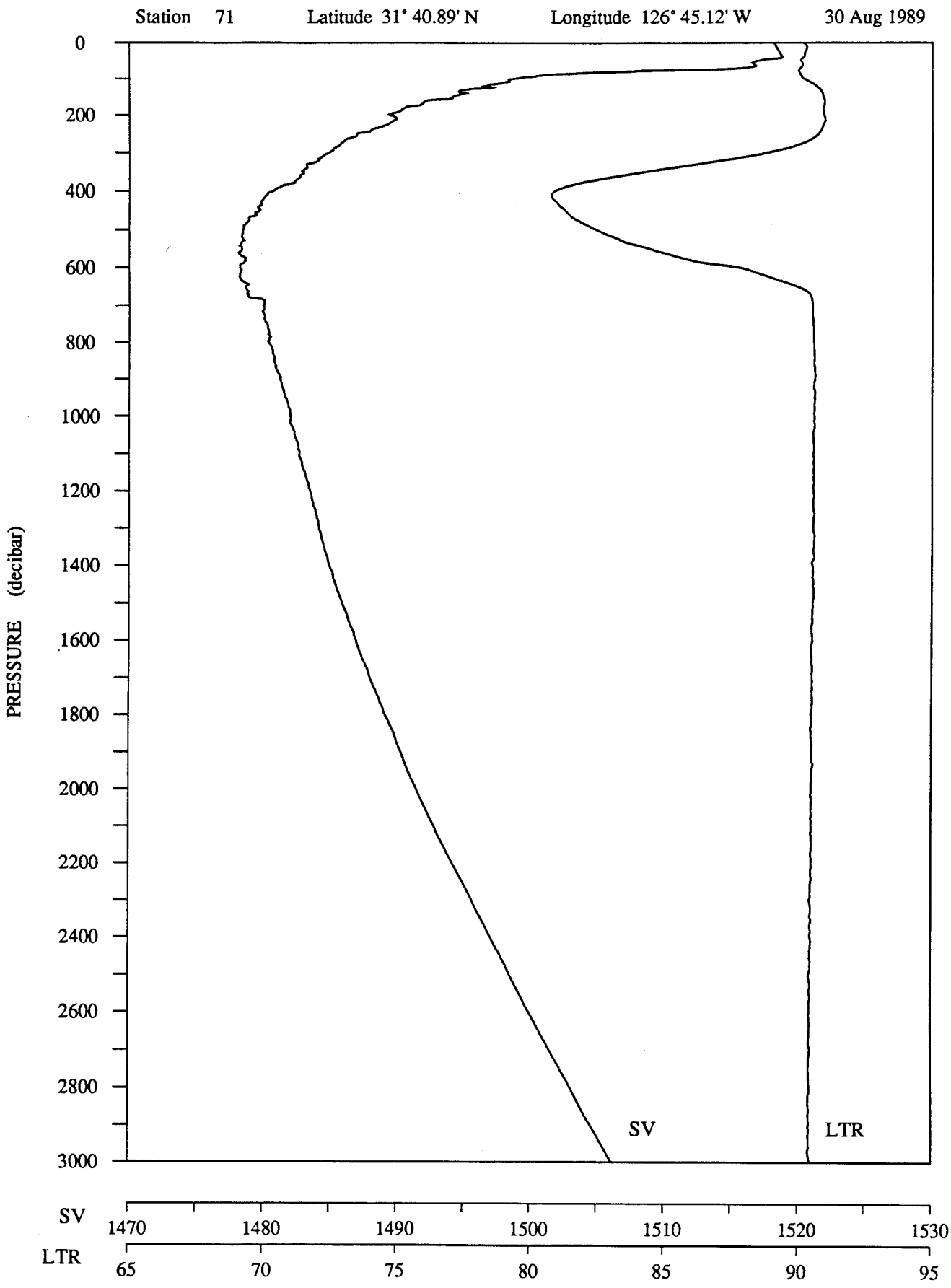
Station 71
Latitude 31° 40.89' N
Longitude 126° 45.12' W
30 Aug 1989
PRESSURE (decibar)
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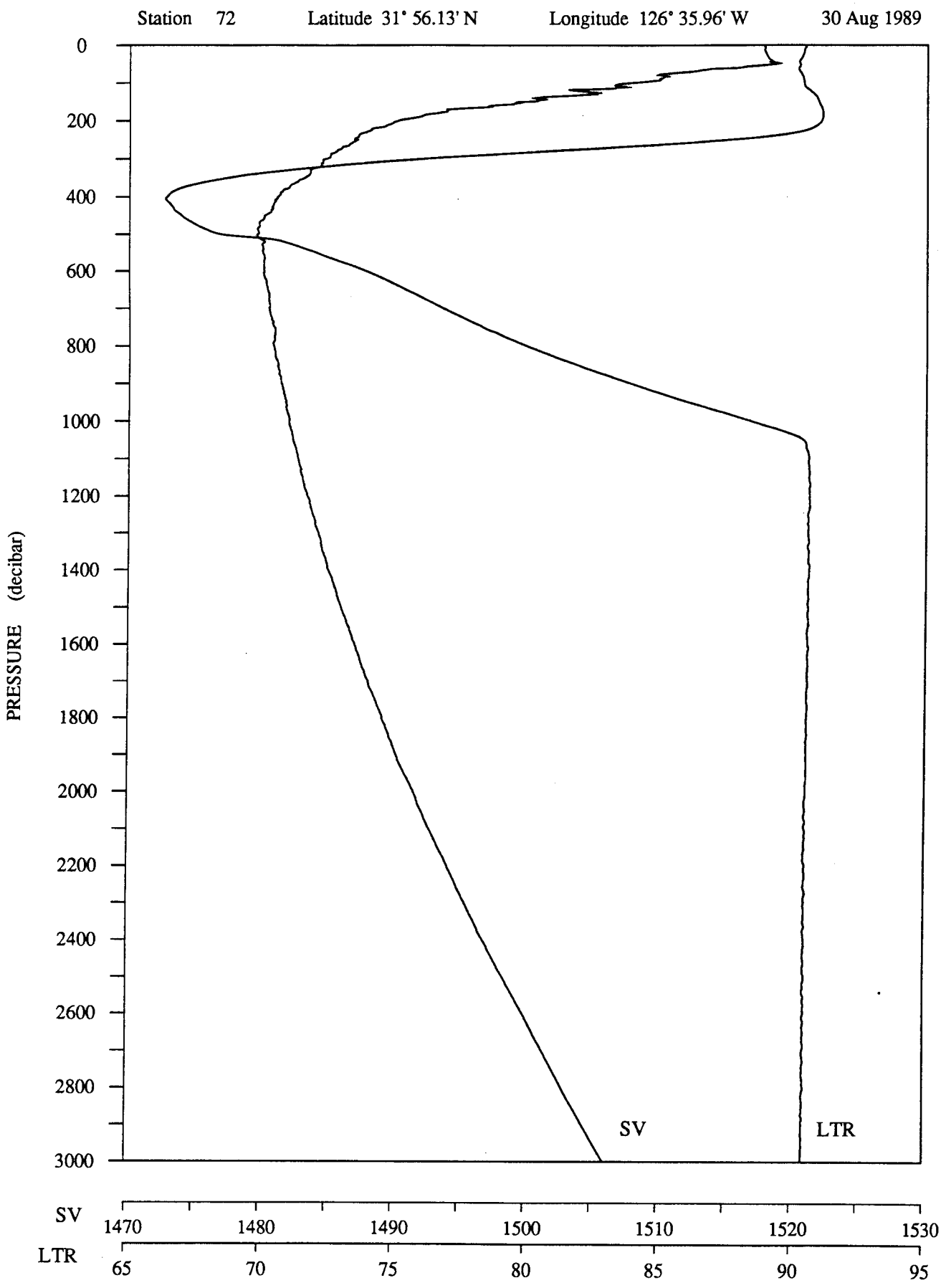
Station 72
Latitude 31° 56.13' N
Longitude 126° 35.96' W
30 Aug 1989
PRESSURE (decibar)
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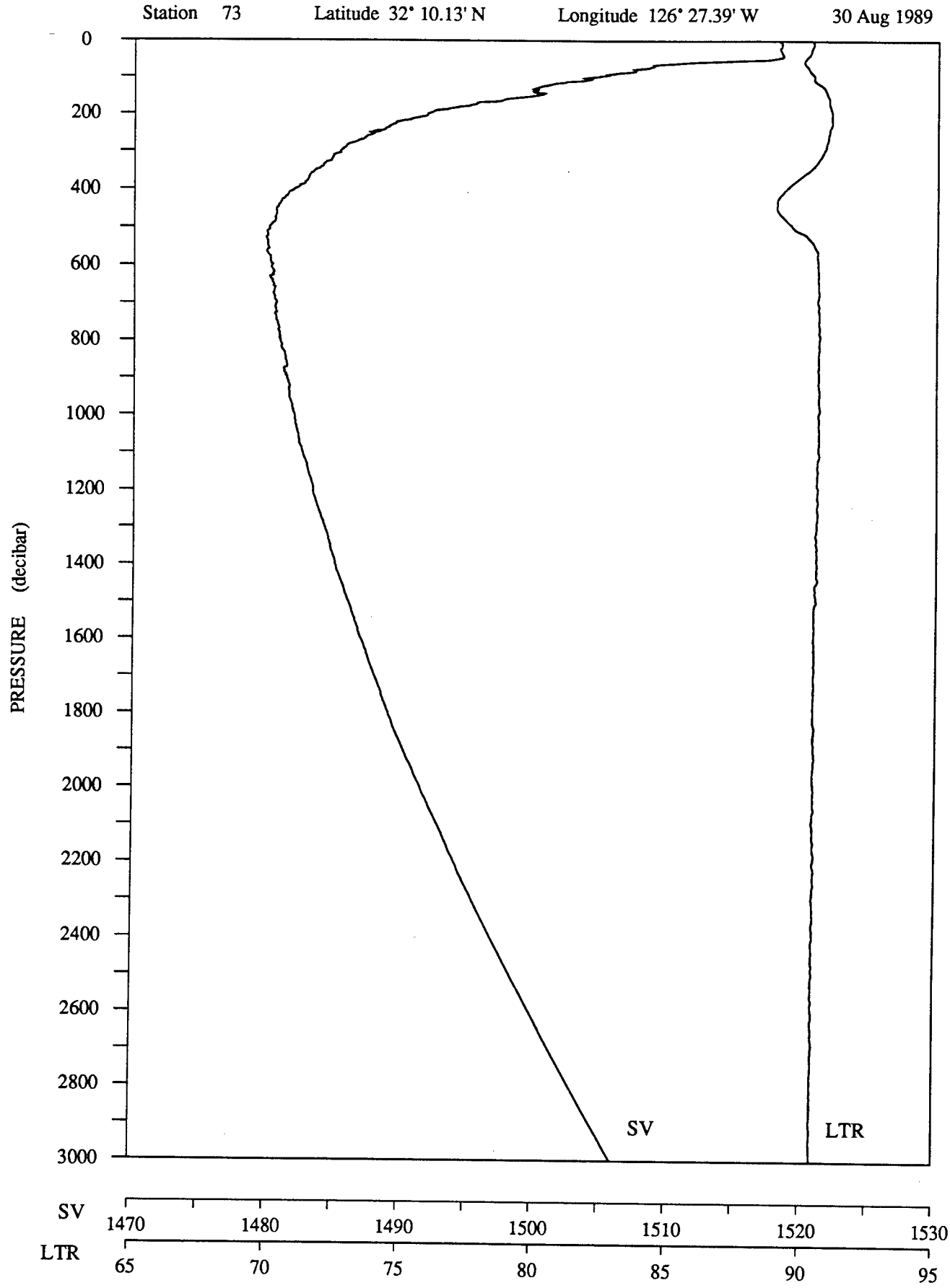
Station 73
Latitude 32° 10.13' N
Longitude 126° 27.39' W
30 Aug 1989
PRESSURE (decibar)
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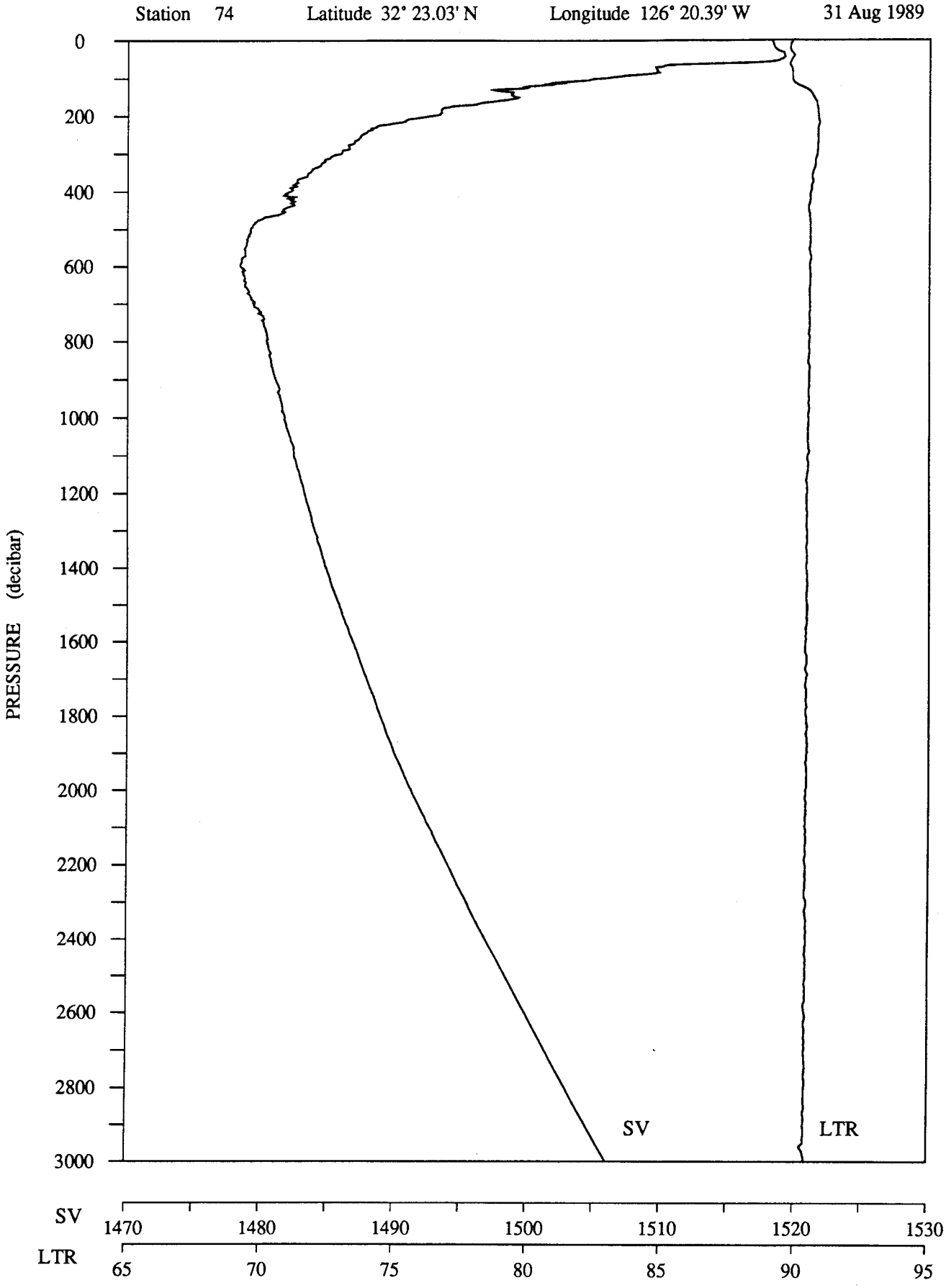
Station 74
Latitude 32° 23.03' N
Longitude 126° 20.39' W
31 Aug 1989
PRESSURE (decibar)
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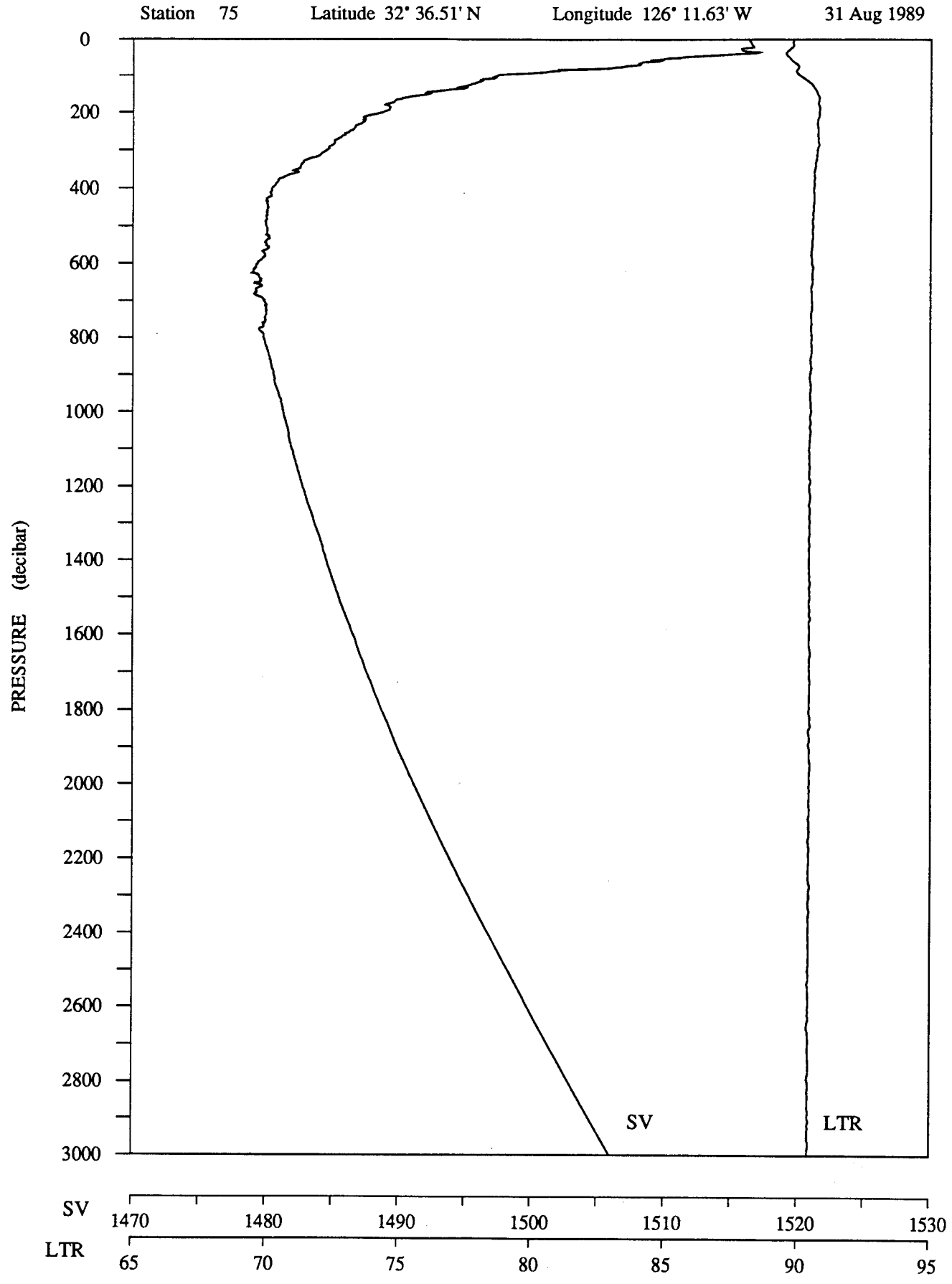
Station 75
Latitude 32° 36.51' N
Longitude 126° 11.63' W
31 Aug 1989
PRESSURE (decibar)
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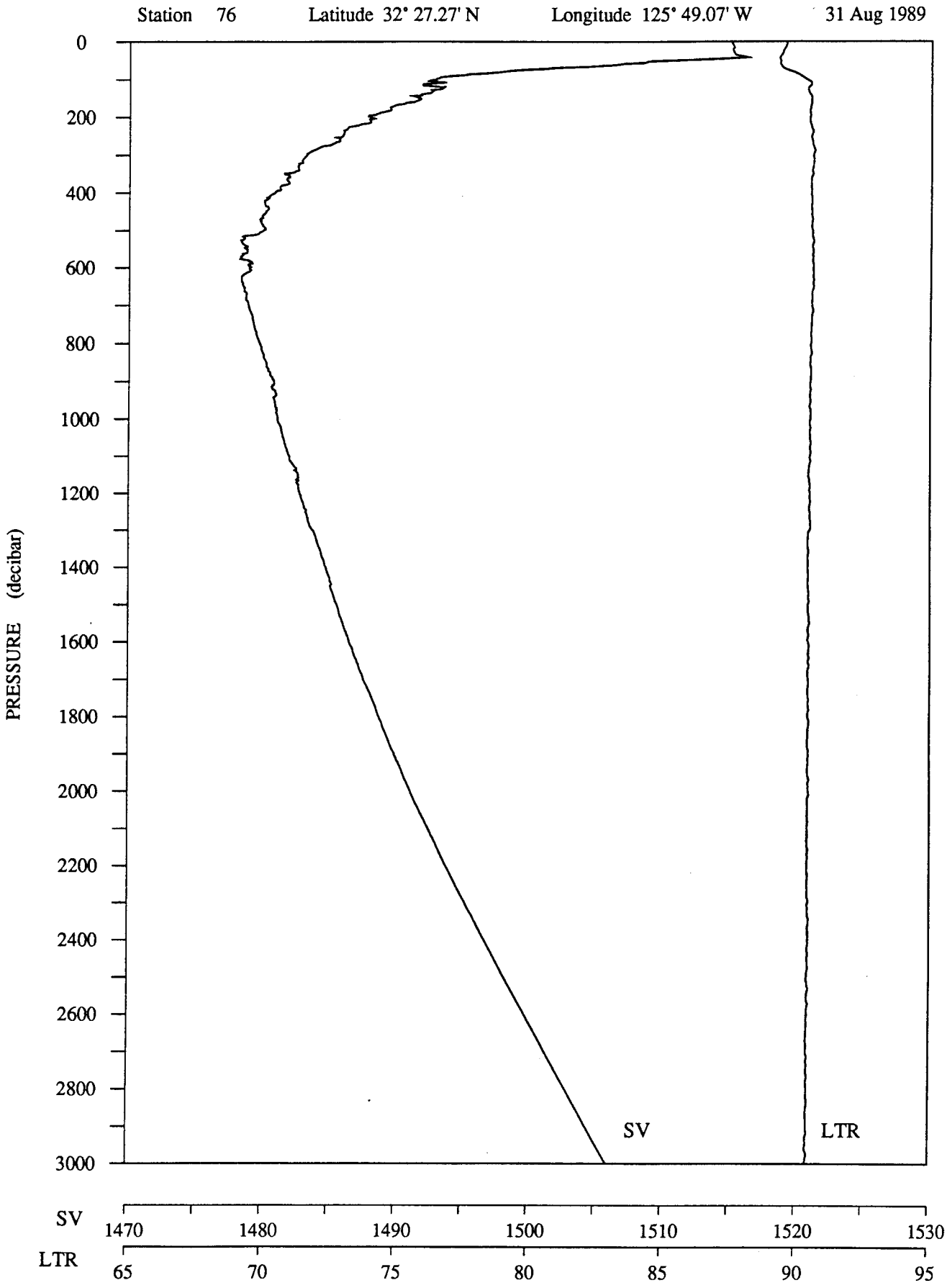
Station 76
Latitude 32° 27.27' N
Longitude 125° 49.07' W
31 Aug 1989
PRESSURE (decibar)
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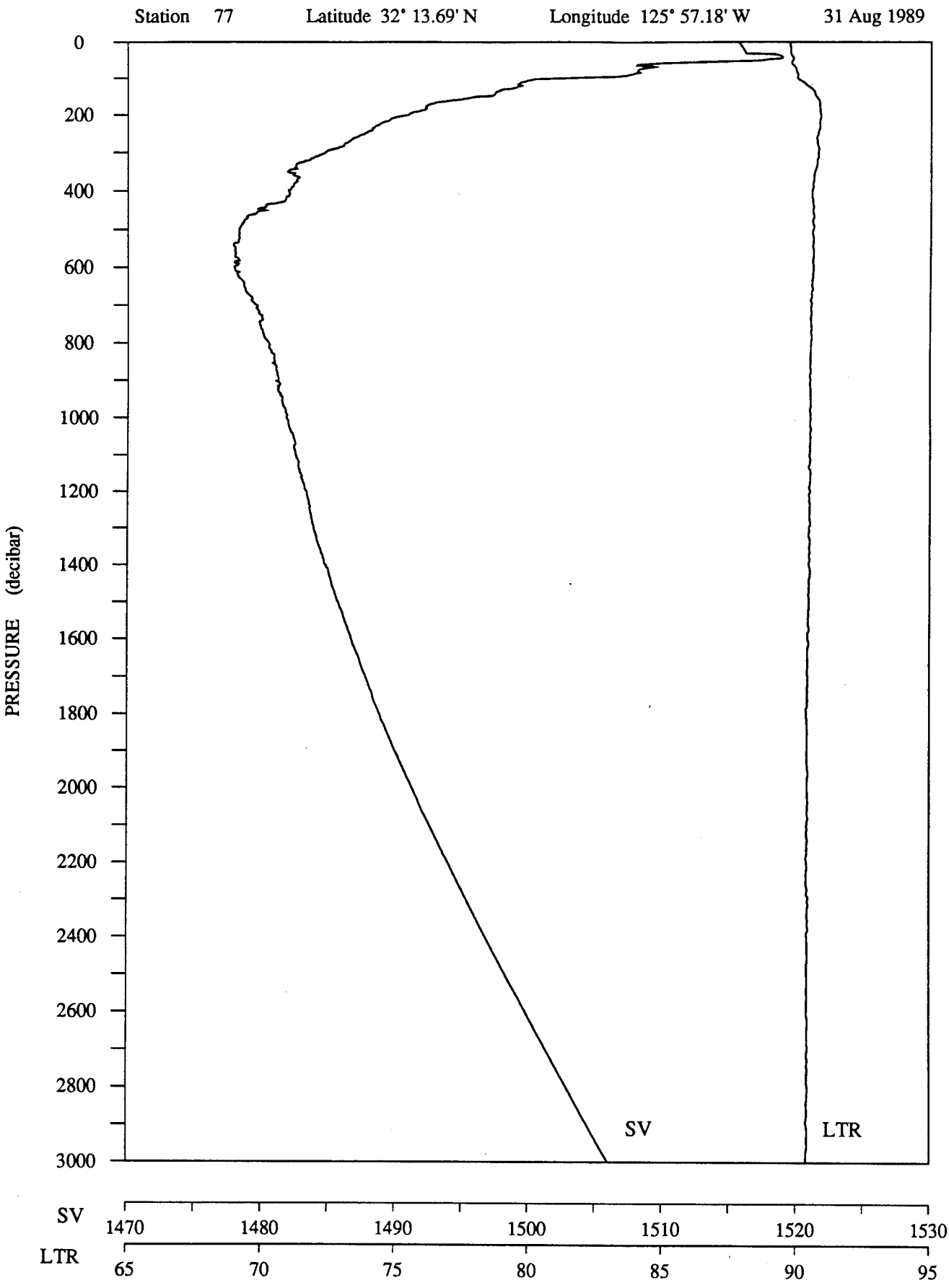
Station 77
Latitude 32° 13.69' N
Longitude 125° 57.18' W
31 Aug 1989
PRESSURE (decibar)
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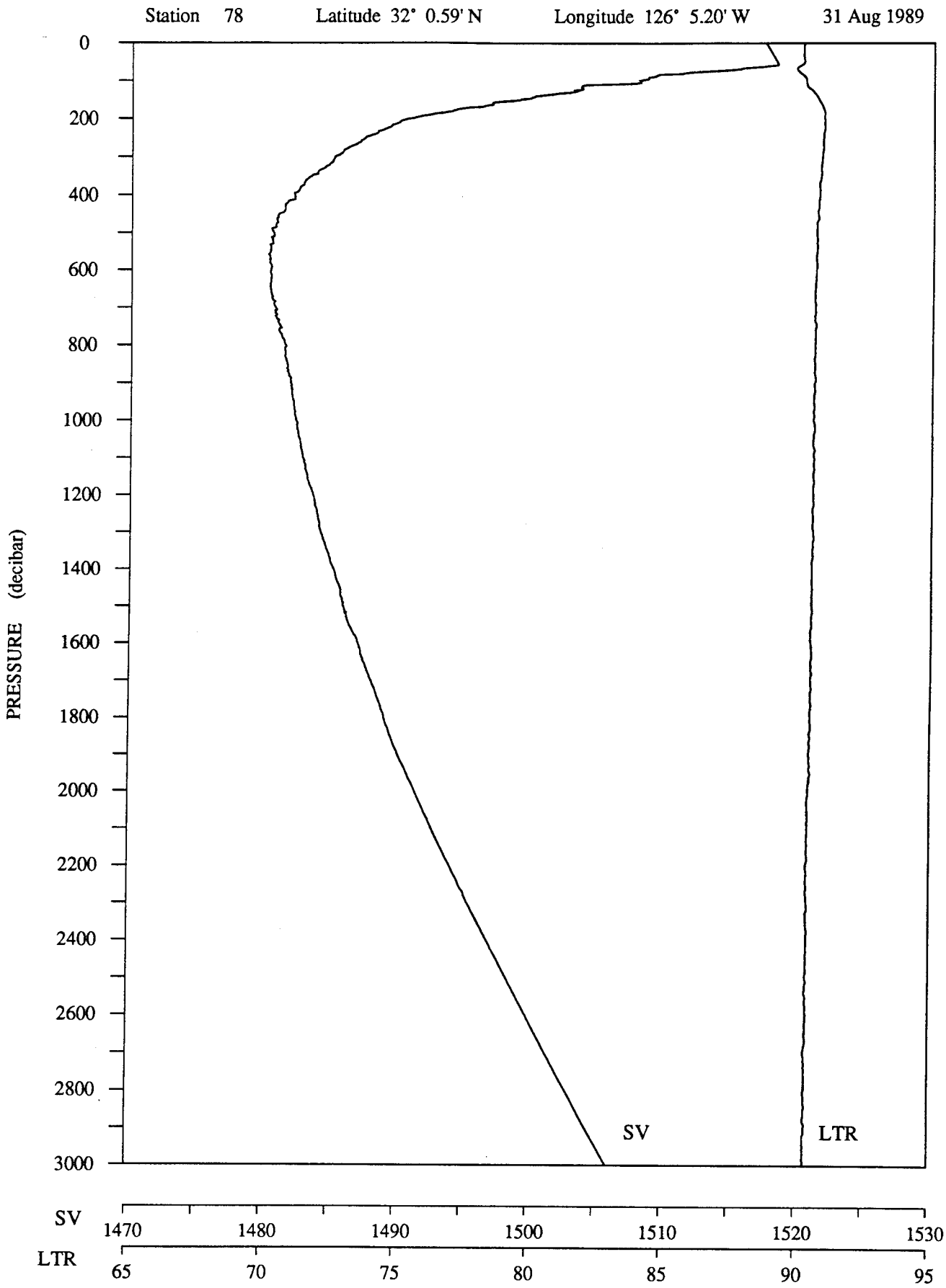
Station 78
Latitude 32° 0.59' N
Longitude 126° 5.20' W
31 Aug 1989
PRESSURE (decibar)
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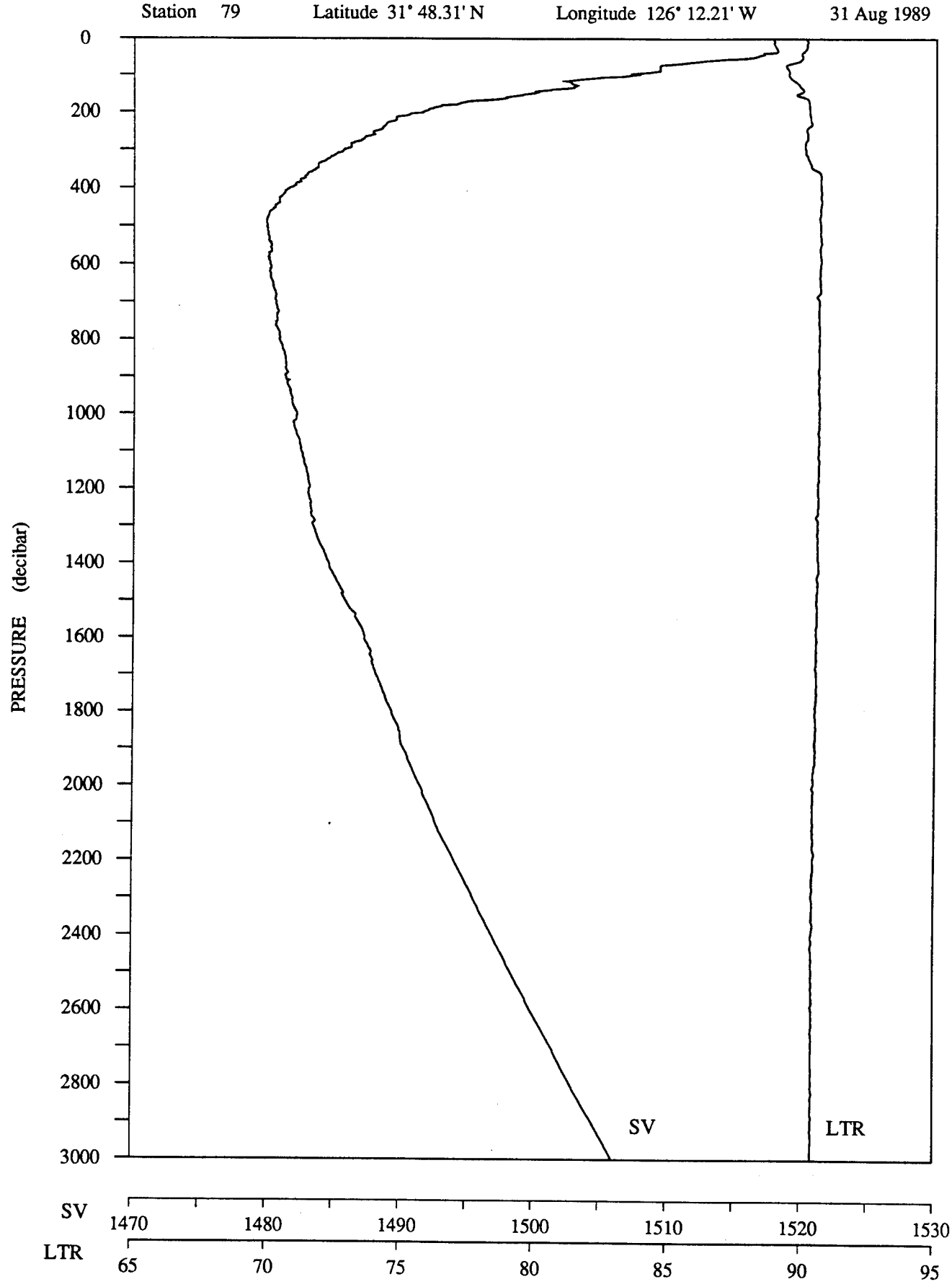
Station 79
Latitude 31° 48.31' N
Longitude 126° 12.21' W
31 Aug 1989
PRESSURE (decibar)
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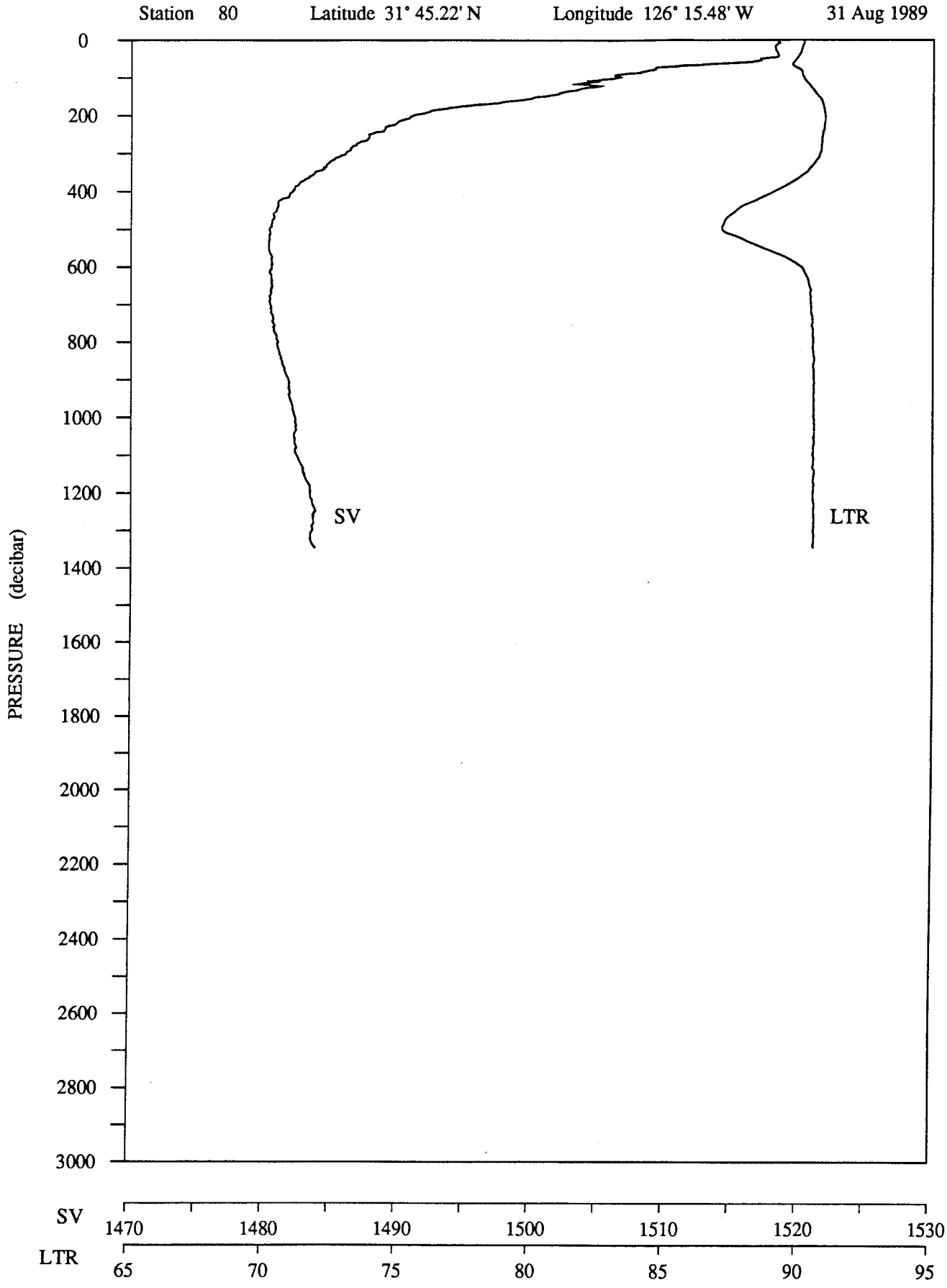
Station 80
Latitude 31° 45.22' N
Longitude 126° 15.48' W
31 Aug 1989
PRESSURE (decibar)
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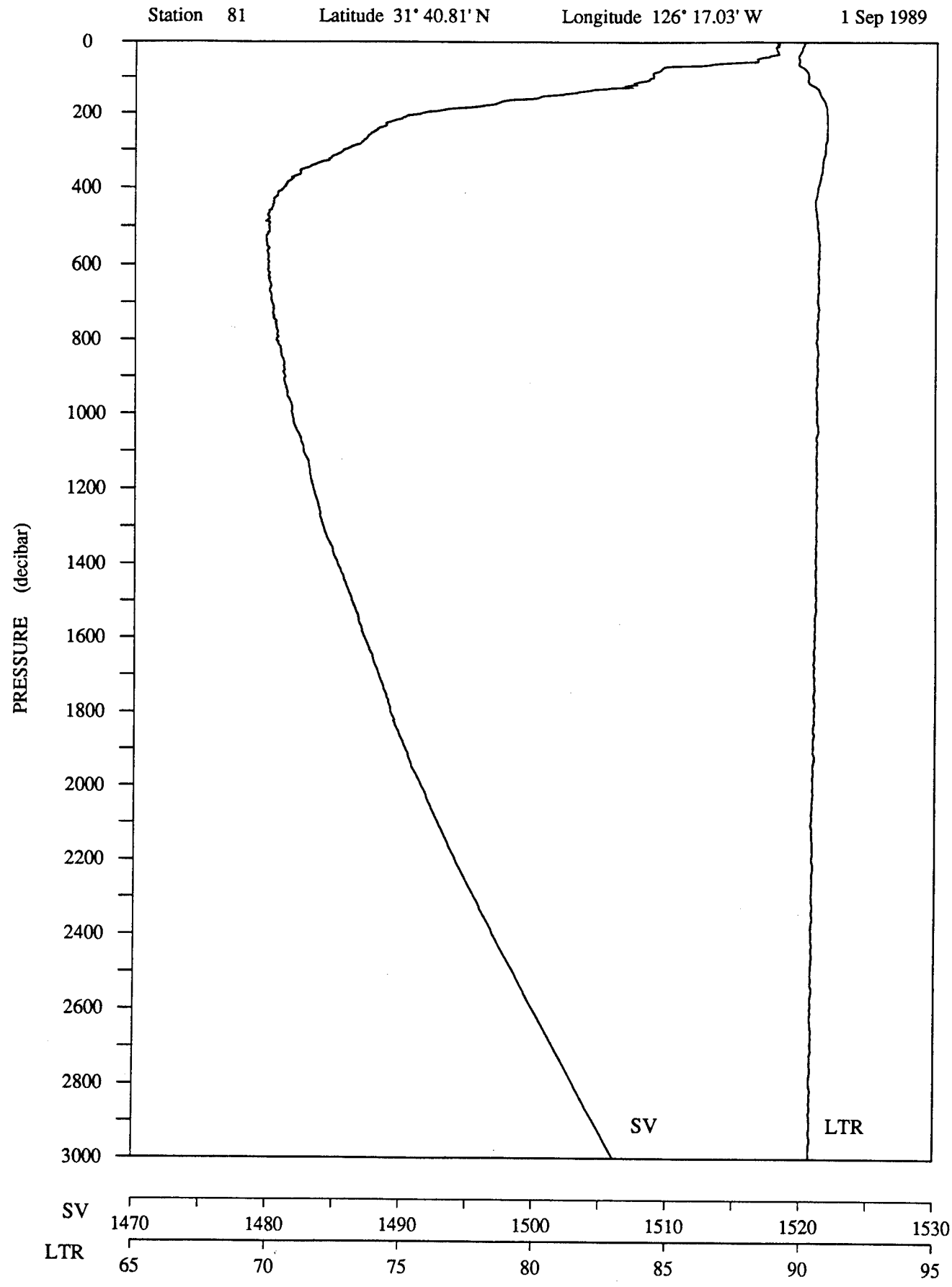
Station 81
Latitude 31° 40.81' N
Longitude 126° 17.03' W
1 Sep 1989
PRESSURE (decibar)
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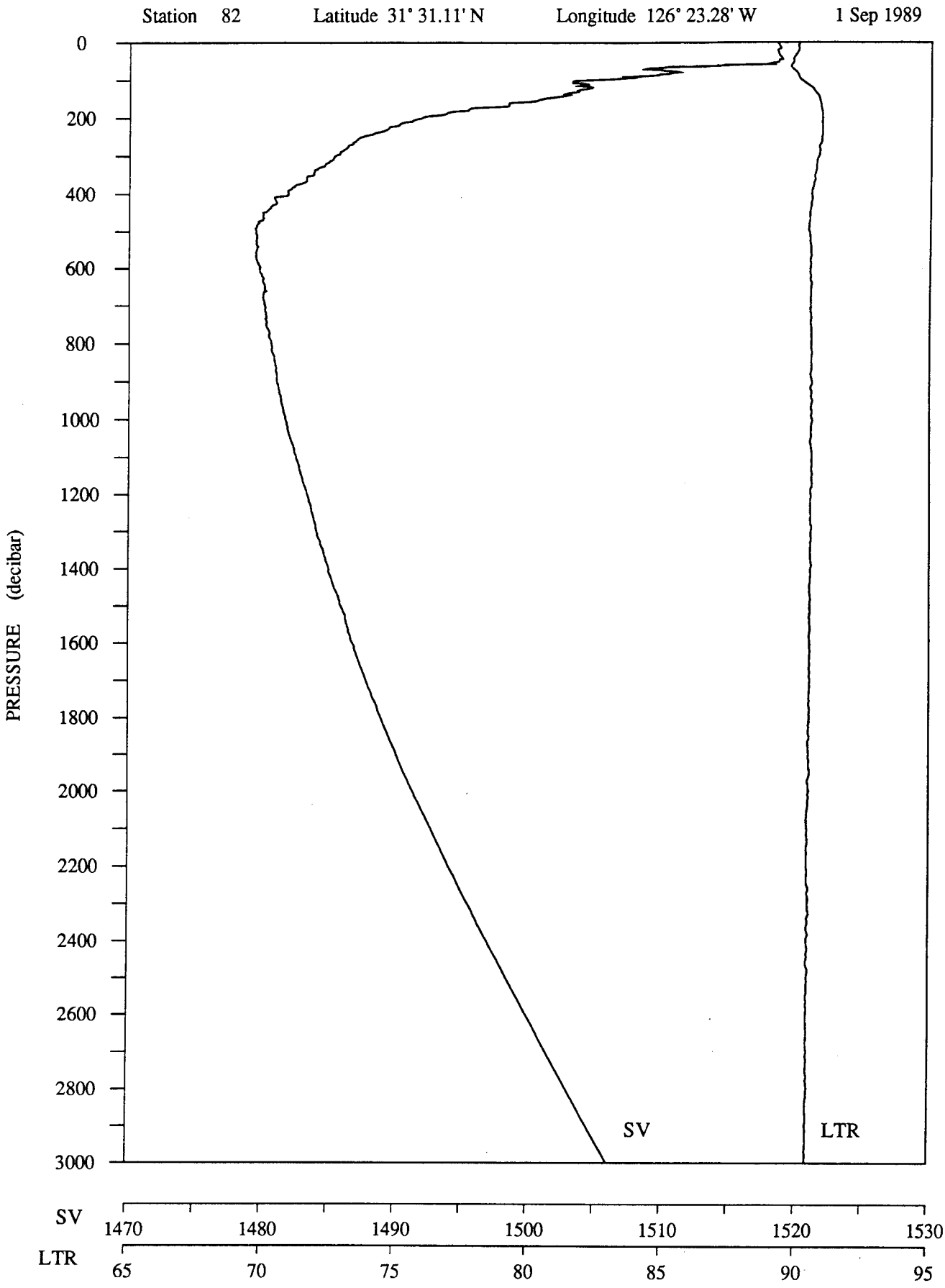
Station 82
Latitude 31° 31.11' N
Longitude 126° 23.28' W
1 Sep 1989
PRESSURE (decibar)
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