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# **Physical Oceanographic Observations in the Northeastern Pacific Transition Zone October-November 1989**

**September 1993**

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**PHYSICAL OCEANOGRAPHIC OBSERVATIONS IN THE  
NORTHEASTERN PACIFIC TRANSITION ZONE  
OCTOBER-NOVEMBER 1989**

by

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**ABSTRACT**

Physical oceanographic profiles from the Northeastern Pacific Transition Zone for 3 October to 11 November 1989 are presented in graphic and tabular format. The profiles are from 149 stations along five transects crossing the Subarctic Frontal Zone between long. 155°W and long. 171°W. Observations were taken with conductivity-temperature-depth (CTD) profilers, expendable conductivity-temperature-depth (XCTD) probes, and expendable bathythermographs (XBT). Profiles of temperature, salinity, and density, and temperature-salinity relationships are graphed. Depth, pressure, in situ temperature, potential temperature, salinity, sigma-t, sigma-theta, sigma-1, sigma-z, sound velocity, specific volume anomaly, dynamic height, and Brunt Väisälä frequency are tabulated.





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## INTRODUCTION

Physical oceanographic profiles were taken in the northeastern Pacific Transition Zone during a multidisciplinary research cruise in the high seas squid driftnet fishery area. Personnel from the Alaska Fisheries Science Center of the National Marine Fisheries Service (Auke Bay Laboratory and National Marine Mammal Laboratory), the U.S. Fish and Wildlife Service (Alaska Fish and Wildlife Research Center), and the University of Washington (College of Fisheries) participated in the cruise. Biological and physical data were taken to quantify abundance and distribution of pelagic fish, squid, mammals, birds, and their prey relative to the oceanic temperature and salinity structure. Data were collected from 3 October to 11 November 1989 aboard the NOAA ship RV *Miller Freeman*. This data report presents, in graphic and tabular formats, the results of hydrographic profiling at 149 stations.

## METHODS

Oceanographic profiles were taken with a conductivity-temperature-depth profiler (CTD), expendable conductivity-temperature-depth probes (XCTD), and expendable bathythermographs (XBT). A SeaBird Electronics Inc. Model 19 Seacat Profiler<sup>1</sup> was used at stations where biological samples were collected. CTD casts were to approximately 1000 m, depending upon weather conditions and the vessel's ability to maintain a steady wire angle during the cast. Immediately before the cruise, the vessel's Sippican Ocean System, Inc., MK-9 Recording System was adapted for use of the XCTD probes and standard XBT probes (T-4, T-5, and T-7). All XCTD casts were to 1000 m. The XBT casts were to 460, 760, or 1830 m, depending upon the probe used. In addition to the hydrographic profiling, sea surface temperatures and salinity samples were taken by bucket each half hour during daylight hours.

The cruise sampled five longitudinal meridians—155°, 158°, 161°, 168°, and 171°W—between latitudes 36° and 47°N (Figs. 1 and 2). One CTD cast was made at lat. 31°N. Profiles of temperature, salinity, and oxygen were obtained at each biological sampling station with the Seabird CTD. Sampling for neuston, midwater zooplankton, and midwater fish was conducted mostly between sunset and sunrise. The XCTD and XBT casts were made at 15-nautical mile (nmi) intervals during daylight surveys of marine mammals and marine birds, and hydroacoustic surveys of fish and forage density. While transiting to and from the study area, XBT probes were deployed at 15-nmi intervals.

## DATA PREPARATION AND RESULTS

We made 53 CTD, 80 XCTD, and 58 XBT casts during the cruise, completing 191 stations. Valid data were obtained from 48 CTD, 69 XCTD, and 32 XBT casts. To reduce instrument noise and spiking, the three data sets have been subjected to a series of smoothing and interpolation processes.

Data from the CTD profiler were processed and edited with Seasoft Version 3.3H. Some spiking in the conductivity and salinity profiles was due to sharp thermal changes near the thermocline. Use of the Seasoft ALIGNCTD and BINAVG programs removed much of the scatter in the data and provided 1-m increment ASCII files. These raw data were treated with our in-house alignment (Align) and step alignment (STPAlign) programs (Masters 1990) to create interpolated values at standardized depths. This alignment of the CTD casts followed National Oceanographic Data Center (NODC) standard oceanographic depth format.

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<sup>1</sup>Reference to trade names does not imply endorsement by the National Marine Fisheries Service, NOAA.

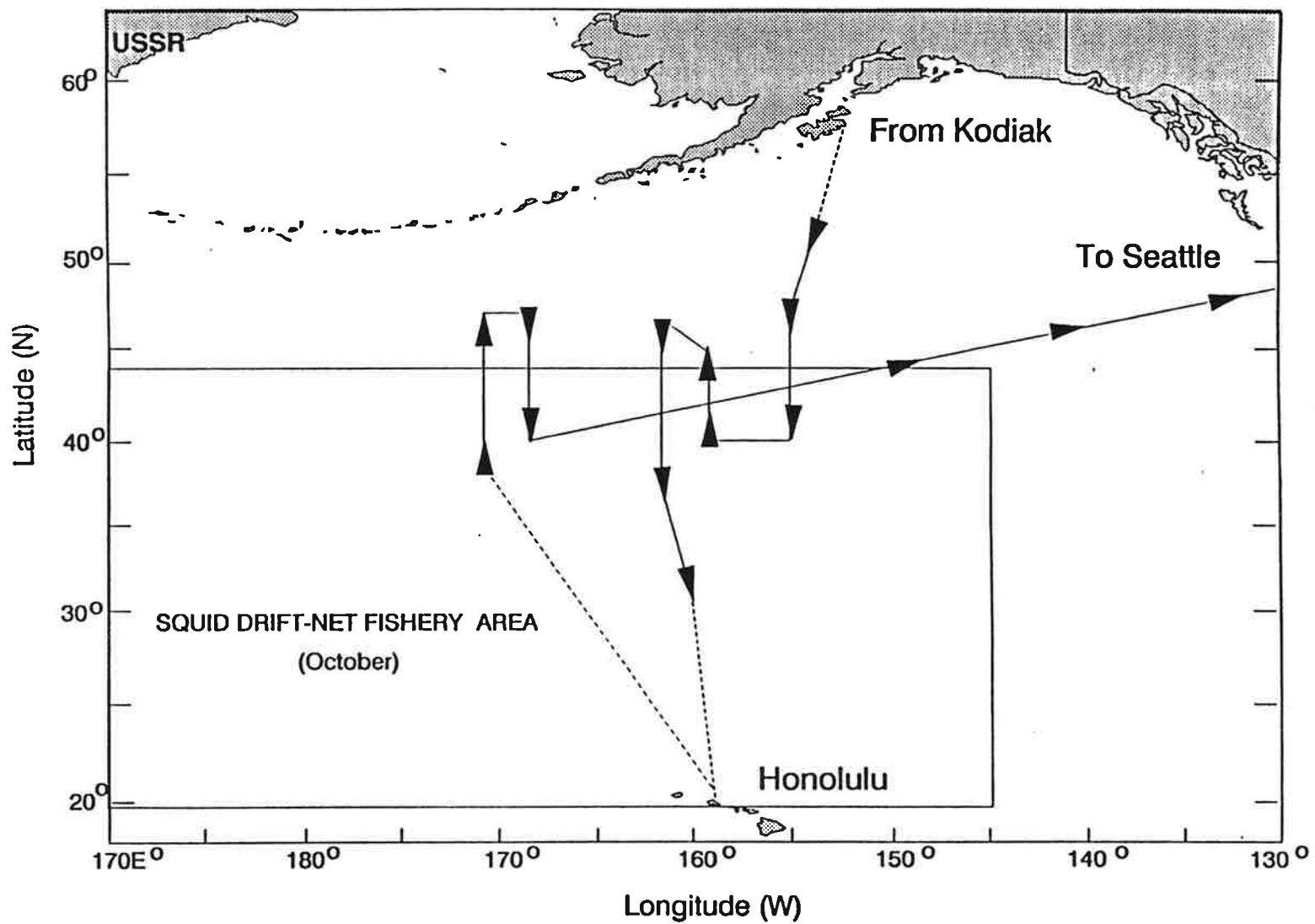


Figure 1.—Track of the RV *Miller Freeman* cruise 89-07 (MF89-07), 1 October to 13 November 1989.

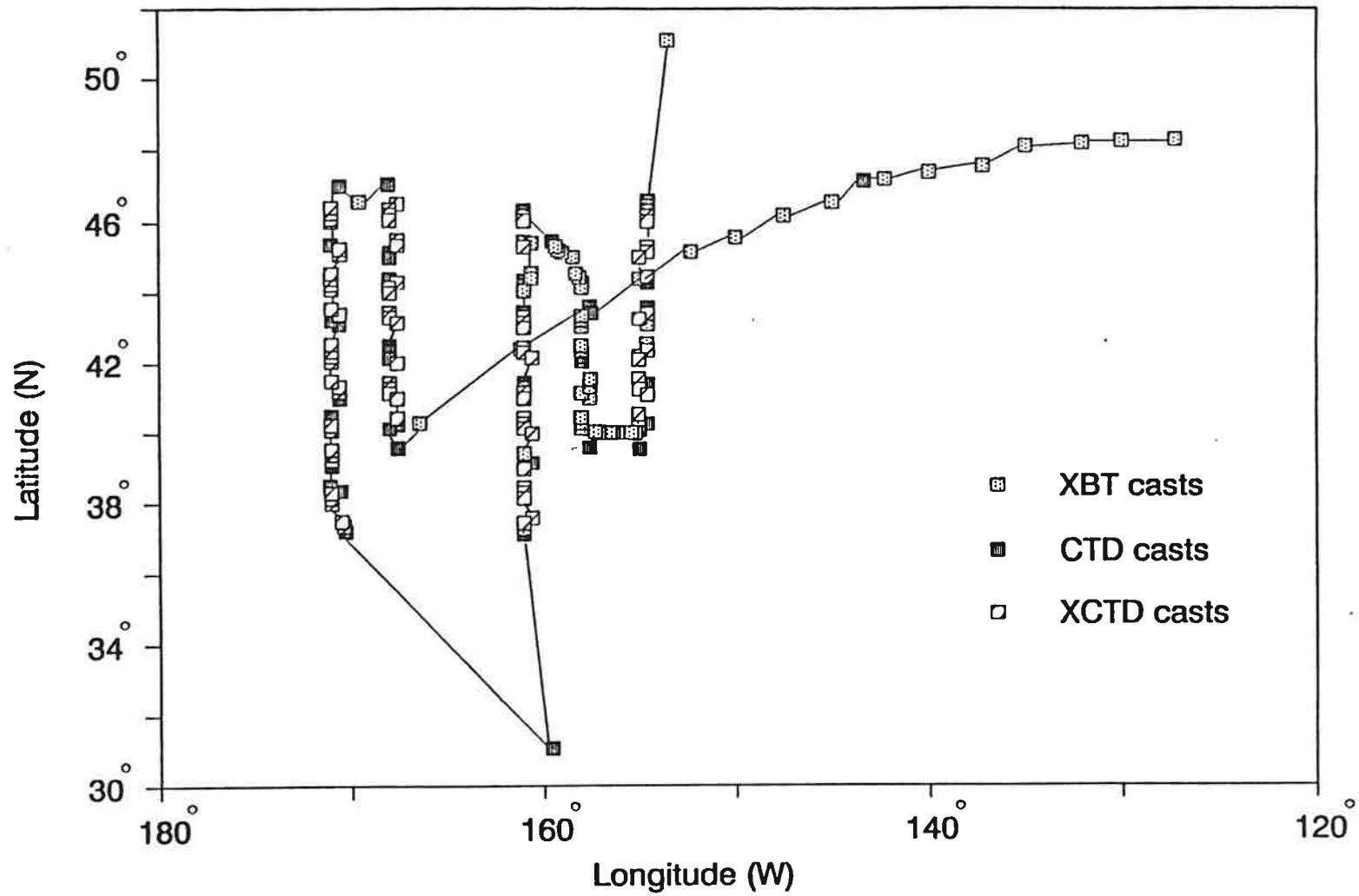


Figure 2.—Position of oceanographic stations along the cruise track of RV *Miller Freeman* cruise 89-07, 3 October to 11 November 1989.

This was our first use of XCTDs for routine observations. The conversion of the recording system from standard XBT to XCTD was completed only a few hours prior to the vessel's departure from Kodiak, Alaska. We encountered difficulty with XCTD's high variability and low resolution (Masters 1990; Garcia, in prep). We attribute much of the instrument variability to electrical problems either with the ship's power supply or incorrect setup and installation of the recording electronics.

The XCTD data were smoothed extensively because of spiking in both the temperature and conductivity data. The XCTD files from the modified Sippican MK IX software program were converted to ASCII files for processing with the Align and STPAlign programs. The Align program created 1-m bins for all casts, whereas the STPAlign filled in missing bins by adding the value contained in the next sequential depth increment. The product of STPAlign was then treated to a lowess smoothing (Chambers et al. 1983) using SYSTAT and the NODC format criteria.

The XBT data were processed using Sippican MK-9 software and converted to ASCII files of temperature at standard oceanographic depths for Lotus Freelance program to graph temperature profiles. The majority of XBT casts were not usable. Many XBT cartridges were aged and corroded from improper storage, requiring repeated attempts at some stations before a valid cast was recorded. An incompatibility of the new computer boards for XCTDs with the vessel's Shipboard Environmental Data Acquisition System (SEAS III) resulted in some valid XBT casts not being saved to computer disks for later analysis. As a result, the XBT data were not used in examination of the mesoscale temperature and salinity characteristics of the study area (Garcia, in prep.).

## DATA PRESENTATION

The 13 parameters presented for the CTD and XCTD casts are defined in Table 1. Table 2 gives the positions and times for the CTD, XCTD, and XBT casts, respectively. The CTD and XCTD graphics present profiles of potential temperature, salinity, and sigma-theta (potential density) and temperature-salinity diagrams which relate potential temperature, salinity, and isopycnals of sigma-theta at each station. We present the XBT data only as profiles and temperature at standard depths.

## ACKNOWLEDGMENTS

We thank the crew of the NOAA ship *RV Miller Freeman*, especially survey technicians William Floering and John Greenwalt, for their kindly cooperation and assistance in both biological and physical sampling. Shannon Fitzgerald and Bryan Herczeg, National Marine Mammal Laboratory, assisted in sampling on the first leg of the cruise and conducted all observations during the second leg of the cruise.

Table 1.—Definition of parameters presented in this data report.

Parameter	Definition and units
DEPTH	Depth in meters (m) computed using the algorithm of Saunders (1981).
PRESS	Pressure in decibars (db).
TEMP	Temperature in situ in degrees Celsius (°C)
SAL	Salinity in grams per kilogram (‰) of seawater.
THETA	Potential temperature ( $\Theta$ , °C) refers to the temperature that a sample of seawater would have if brought adiabatically from its in-situ hydrostatic pressure to a reference hydrostatic pressure of 0 db (i.e., sea surface). Because the maximum depth of all CTD and XCTD casts was $\approx 1000$ m, there is a relatively small numeric difference in magnitude between the in-situ ( $t$ , °C) and potential temperature. Theta was computed using the algorithms of Fofonoff and Millard (1983).
SIGT	Sigma-t. Relative density of a parcel of water at temperature ( $t$ ) and salinity ( $S$ ) at one atmosphere (0 db). $\sigma_t = (\rho_{(S,t,0)} - 1)10^3$ .
SIG0	Sigma-theta ( $\sigma_\theta$ ). Potential density with respect to the sea surface. It refers to the relative density at hydrostatic pressure ( $p$ ) equal to 0 db (i.e., sea surface) of a water type as a function of potential temperature ( $\Theta$ ) and salinity ( $S$ ). Computed as $\sigma_\theta = \rho_s(S, \Theta, 0) - 1000$ using the international equation of state of seawater of Millero and Poisson (1981) and potential temperature (Fofonoff and Millard 1983). Because the maximum depth of all casts was $\approx 1000$ m, only a small numeric difference exists between sigma-t ( $\sigma_t$ ) and potential density.
SIG1	Sigma-1 ( $\sigma_1$ ). Potential density with respect to 1000 db. It refers to the relative density at hydrostatic pressure ( $p$ ) equal to 1000 db of a water type as a function of potential temperature ( $\Theta$ ) and salinity ( $S$ ). Computed as $\sigma_1 = \rho_s(S, \Theta, 1000) - 1000$ using the international equation of state of seawater of Millero and Poisson (1981) and potential temperature (Fofonoff and Millard 1983).
SIGZ	Sigma-z ( $\sigma_z$ ). Potential density with respect to pressure. It refers to the relative density of a water type as a function of potential temperature ( $\Theta$ ), salinity ( $S$ ), and hydrostatic pressure ( $p$ ). Computed as $\sigma_z = \rho_s(S, \Theta, p) - 1000$ using the international equation of state of seawater of Millero and Poisson (1981) and potential temperature (Fofonoff and Millard 1983).
SOUND	Speed of sound (m/s) in seawater. Computed using the algorithm of Fofonoff and Millard (1983).
AVOL	Specific volume anomaly ( $\delta$ , $10^{-6}$ m <sup>3</sup> ·kg <sup>-1</sup> ) or steric anomaly. It refers to the variation of seawater density with respect to temperature ( $t$ ), salinity ( $S$ ), and pressure ( $p$ ) and computed as $\delta = V(S,t,p) - V(35,0,p)$ using the algorithm of Fofonoff and Millard (1983).
DYNH	Change in geopotential anomaly ( $\Delta\Phi$ , m <sup>2</sup> ·s <sup>-2</sup> ) relative to the bottom of the XCTD cast and calculated by numeric integration.
BVAI	Brunt Väisälä or buoyancy frequency ( $N$ , radian·s <sup>-1</sup> ). It refers to the natural period of oscillation when a water type is moved adiabatically from its in situ pressure and is a descriptor of the oceanic vertical stability.

Table 2.—Date, time, position, and sea surface temperature (SST) for all hydrographic stations from RV *Miller Freeman* cruise 89-07.

Date	Time	Latitude (N)	Longitude (W)	XBT	CTD	XCTD	No.	SST
100389	0925	51°10.16'	153°52.40'	1			0	12.1
100489	1245	46°57.77'	154°55.32'		1		1	14.3
100489	1826	46°58.10'	154°57.52'		1b		2	14.3
100489	2132	46°44.21'	154°58.71'		3		3	14.7
100589	0603	46°29.99'	154°57.12'		4		4	14.7
100589	1014	46°15.00'	154°59.76'			1	5	15.4
100589	1138	46°00.00'	154°58.26'			2	6	15.5
100589	1428	45°30.00'	154°59.04'			3	7	15.9
100589	1544	45°15.00'	154°59.45'			4	8	15.9
100589	1701	45°00.00'	155°00.50'			5	9	16.2
100589	1819	44°45.00'	154°59.78'			6	10	16.2
100589	2035	44°27.28'	154°59.33'		5		11	16.8
100689	0601	43°57.19'	154°59.04'		6		12	16.5
100689	1052	43°40.00'	154°59.84'			7	13	16.5
100689	1209	43°25.00'	155°00.02'			8	14	16.6
100689	1339	43°10.00'	154°57.73'	2			15	17.2
100689	1451	42°55.00'	154°58.73'	3			16	17.6
100689	1624	42°35.78'	154°57.00'	4			17	18.0
100689	1631	42°34.69'	154°57.93'			9	18	17.9
100689	1805	42°17.70'	155°00.00'	5			19	18.0
100689	2303	42°08.50'	155°06.50'			10	20	18.3
100789	0024	41°55.00'	155°05.00'			11	21	18.3
100789	1018	41°39.45'	154°59.85'		7		22	19.3
100789	1233	41°25.00'	155°00.40'			12	23	19.6
100789	1410	41°10.00'	154°59.75'			13	24	19.9
100789	1547	40°54.69'	155°03.00'			14	25	19.4
100789	1715	40°40.00'	155°02.00'	6			26	19.2
100789	1909	40°25.45'	154°58.79'		8		27	19.0
100889	0041	40°09.26'	155°01.04'		9		28	19.9
100889	0557	39°55.16'	155°00.97'		10		29	19.9
100889	1051	40°00.50'	155°20.01'	7			30	19.6
100889	1219	40°01.50'	155°40.00'	8			31	19.5
100889	1441	40°00.79'	156°12.71'	9			32	19.5
100889	1550	40°00.92'	156°33.77'	10			33	19.3
100889	1655	40°00.70'	156°50.00'	11			34	19.2
100889	1805	40°00.00'	157°10.00'	12			35	19.3
100889	1907	40°03.30'	157°12.50'		11		36	19.0
100889	2257	40°04.30'	157°30.02'	13			37	17.9
100989	0558	39°59.04'	157°59.12'		12		38	18.4
100989	1005	40°15.00'	158°00.00'	14			39	18.5
100989	1121	40°30.00'	158°01.50'	15			40	18.0
100989	1240	40°45.00'	158°01.50'	16			41	17.8



Table 2.—continued.

Date	Time	Latitude (N)	Longitude (W)	XBT	CTD	XCTD	No.	SST
100989	1401	41°00.00'	157°56.00'	17			42	17.8
100989	1526	41°15.00'	158°00.18'	18			43	17.7
100989	1712	41°32.58'	157°56.00'	19			44	17.7
100989	1855	41°53.49'	157°55.20'	20			45	17.6
100989	2220	42°04.17'	158°01.87'		13		46	17.4
101089	0600	42°19.24'	158°01.33'		14		47	16.4
101089	1243	42°35.00'	158°00.00'	21			48	15.9
101089	1406	42°50.00'	158°00.00'	22			49	15.5
101089	1513	43°05.00'	158°01.00'	23			50	15.6
101089	1627	43°21.29'	158°00.14'	24			51	15.2
101089	1639	43°23.72'	158°00.12'	25			52	15.2
101089	1749	43°34.43'	158°00.26'	26			53	15.7
101089	1905	43°42.47'	157°58.53'		15		54	15.7
101089	2343	43°59.86'	157°59.76'		16		55	14.9
101189	0043	44°14.01'	158°00.55'	27			56	14.8
101189	0555	44°29.26'	158°00.35'		17		57	14.7
101189	1027	44°44.10'	158°12.00'	28			58	14.6
101189	1151	44°55.00'	158°27.80'	29			59	13.5
101189	1309	45°02.00'	158°47.00'	30			60	13.4
101189	1444	45°13.58'	159°02.28'	31			61	13.4
101189	1620	45°20.07'	159°20.65'	32			62	13.3
101189	1749	45°30.84'	159°37.08'	33			63	13.3
101189	2011	45°45.75'	159°54.80'		18		64	12.8
101289	0553	46°29.73'	161°02.24'		19		65	12.4
101289	0951	46°15.00'	161°03.51'	34			66	12.6
101289	1130	46°01.50'	161°01.31'			15	67	12.6
101289	1303	45°45.00'	161°01.00'	35			68	12.5
101289	1428	45°30.00'	161°00.00'			16	69	12.5
101289	1559	45°41.00'	160°59.22'	36			70	12.8
101289	1733	44°56.00'	160°59.21'	37			71	13.0
101289	1844	44°41.00'	160°59.56'	38			72	13.3
101289	2005	44°34.79'	161°01.88'		20		73	13.7
101389	0043	44°20.37'	161°00.14'		21		74	14.6
101389	0325	44°05.00'	161°00.00'	39			75	14.5
101389	0901	43°44.40'	161°02.45'		22		76	14.6
101389	1054	43°30.00'	161°01.30'			17	77	15.3
101389	1206	43°15.00'	161°00.00'			18	78	15.1
101389	1319	43°00.00'	161°00.00'			19	79	15.1
101389	1441	42°45.00'	161°00.00'			20	80	15.2
101389	1553	42°30.00'	161°00.80'			21	81	15.2
101389	1706	42°15.10'	160°59.56'			22	82	15.2
101389	2018	41°44.57'	161°00.51'		23		83	16.4
101489	0602	41°30.74'	161°00.86'		24		84	15.9
101489	1005	41°15.00'	161°00.00'			23	85	16.2
101489	1129	41°00.00'	161°00.00'			24	86	16.5

Table 2.—continued.

Date	Time	Latitude (N)	Longitude (W)	XBT	CTD	XCTD	No.	SST
101489	1250	40°45.00'	161°00.00'			25	87	16.5
101489	1411	40°30.00'	161°00.00'			26	88	16.6
101489	1535	40°15.00'	161°00.00'			27	89	17.0
101489	1657	40°00.02'	160°59.37'			28	90	17.2
101489	1828	39°44.00'	161°00.80'	40			91	17.9
101489	2017	39°32.53'	161°00.03'		25		92	17.9
101589	0559	39°15.27'	160°59.87'		26		93	18.5
101589	1036	39°00.00'	161°01.15'			29	94	18.3
101589	1159	38°45.00'	161°00.00'			30	95	19.1
101589	1306	38°30.00'	161°00.00'			31	96	19.1
101589	1424	38°15.00'	161°00.00'			32	97	19.2
101589	1543	37°59.20'	160°59.10'			33	98	19.5
101589	1658	37°44.10'	161°00.70'			34	99	19.4
101589	1819	37°28.70'	161°00.60'	42			100	19.8
101589	2015	37°14.69'	161°02.73'		27		101	19.7
101789	1014	31°06.30'	159°58.21'		28		102	24.0
102889	0814	37°21.40'	170°28.32'		29		103	19.8
102889	1036	37°36.17'	170°36.36'			35	104	19.3
102889	1216	37°49.00'	170°46.00'			36	105	18.7
102889	1352	38°00.00'	171°00.00'			37	106	18.5
102889	1535	38°15.00'	171°00.00'			38	107	17.5
102889	1713	38°29.00'	171°01.63'			39	108	17.0
102889	1921	38°37.25'	170°55.53'		30		109	16.9
102989	0028	38°51.23'	171°08.40'		31		110	17.0
102989	0809	39°08.98'	171°02.42'		32		111	16.7
102989	1044	39°25.17'	171°00.89'			40	112	16.5
102989	1227	39°40.00'	171°00.00'			41	113	16.6
102989	1423	39°55.00'	171°00.00'			42	114	16.6
102989	1608	40°10.26'	171°00.90'			43	115	16.5
102989	1743	40°25.20'	171°01.70'			44	116	16.7
102989	1910	40°33.50'	171°01.20'		33		117	16.3
102989	2331	40°49.99'	171°02.08'		34		118	14.8
103089	0755	41°01.46'	170°58.50'		35		119	14.3
103089	1023	41°20.00'	170°58.26'			45	120	14.0
103089	1137	41°35.00'	170°59.01'			46	121	13.1
103089	1254	41°50.00'	171°00.00'			47	122	13.4
103089	1416	42°05.00'	171°00.00'			48	123	13.3
103089	1538	42°20.00'	171°00.00'			49	124	13.0
103089	1658	42°34.96'	171°00.50'			50	125	12.4
103089	1913	42°54.05'	171°00.32'			51	126	12.1
103089	1927	42°54.07'	171°00.32'		36		127	12.1
103189	0048	43°10.10'	170°59.78'		37		128	11.8
103189	0800	43°23.30'	171°00.28'		38		129	12.0
103189	1031	43°40.00'	170°56.82'			52	130	11.6
103189	1155	43°55.00'	171°00.00'			53	131	11.5

Table 2.—continued.

Date	Time	Latitude (N)	Longitude (W)	XBT	CTD	XCTD	No.	SST
103189	1313	44°10.00'	171°00.00'			54	132	11.4
103189	1434	44°25.00'	171°00.00'			55	133	11.3
103189	1553	44°40.14'	171°01.25'			56	134	11.0
103189	1715	44°55.50'	171°01.10'			57	135	10.8
103189	1924	45°10.19'	170°57.21'			58	136	10.6
103189	1915	45°10.16'	170°57.26'		39		137	10.7
103189	2338	45°25.00'	170°56.20'			59	138	10.3
110189	0814	45°37.32'	171°05.06'		40		139	10.2
110189	1140	46°02.49'	171°00.12'	43			140	10.3
110189	1235	46°11.00'	171°00.00'			60	141	10.3
110189	1400	46°25.00'	171°00.00'			61	142	10.0
110189	1540	46°40.00'	171°00.00'			62	143	9.8
110189	1833	47°00.07'	170°59.47'		41		144	9.3
110189	2232	46°57.40'	169°57.42'	44			145	9.7
110189	2242	46°57.53'	169°54.90'	45			146	9.7
110289	0801	47°04.10'	168°07.83'		42		147	9.7
110289	1023	46°50.00'	167°59.87'			63	148	10.3
110289	1142	46°35.00'	168°00.00'			64	149	10.3
110289	1308	46°20.00'	168°00.00'			65	150	10.3
110289	1427	46°05.00'	168°00.00'			66	151	10.3
110289	1549	45°49.89'	167°59.24'			67	152	10.2
110289	1710	45°35.00'	167°59.00'			68	153	10.3
110289	1929	45°15.30'	168°01.11'		43		154	10.2
110289	2348	45°00.08'	168°01.67'		44		155	10.3
110389	0801	44°40.95'	168°01.16'		45		156	10.5
110389	0942	44°30.00'	167°58.94'			69	157	10.6
110389	1102	44°15.00'	168°01.46'			70	158	11.0
110389	1224	44°00.00'	168°00.00'			71	159	11.5
110389	1342	43°45.00'	168°00.00'			72	160	11.6
110389	1501	43°30.00'	168°00.00'			73	161	11.9
110389	1621	43°14.98'	167°59.04'			74	162	11.9
110389	1907	42°50.37'	168°01.98'		46		163	12.2
110389	2324	42°34.92'	168°00.11'		47		164	12.3
110489	0806	42°14.86'	168°01.41'		48		165	
110489	1017	42°00.00'	167°59.97'			75	166	13.1
110489	1139	41°45.00'	168°00.00'			76	167	13.1
110489	1303	41°30.00'	168°00.00'			77	168	13.1
110489	1427	41°15.00'	168°00.00'			78	169	13.2
110489	1549	41°00.00'	167°59.00'			79	170	14.1
110489	1709	40°44.90'	167°59.20'			80	171	14.3
110489	1930	40°26.30'	167°58.78'		49		172	
110489	2309	40°15.16'	168°00.27'		50		173	
110589	0845	39°59.92'	167°58.50'		51		174	15.4
110589	1437	40°30.48'	166°43.55'	46			175	14.4
110689	1455	42°40.01'	161°14.22'	47			176	13.4

Table 2.—continued.

Date	Time	Latitude (N)	Longitude (W)	XBT	CTD	XCTD	No.	SST
110789	0810	43°42.48'	157°49.33'			52	177	13.9
110789	2017	44°38.94'	155°00.00'	48			178	13.6
110889	0557	45°16.15'	152°29.81'	49			179	13.3
110889	1541	45°55.81'	150°00.00'	50			180	12.9
110889	2300	46°16.78'	147°50.33'	51			181	12.5
110989	1029	46°53.19'	145°00.00'	52			182	11.9
110989	1731	47°11.83'	143°37.82'		53		183	12.6
110989	2201	47°17.87'	142°30.00'	53			184	12.6
111089	0650	47°37.27'	140°00.24'	54			185	11.9
111089	1448	47°53.67'	137°24.00'	55			186	12.6
111089	2132	48°09.85'	135°00.00'	56			187	12.8
111189	0531	48°19.66'	132°06.14'	57			188	12.9
111189	1205	48°25.20'	130°00.77'	58			189	13.4
111189	2037	48°28.22'	127°30.00'	59			190	12.8

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## **APPENDICES**





## **APPENDIX A**

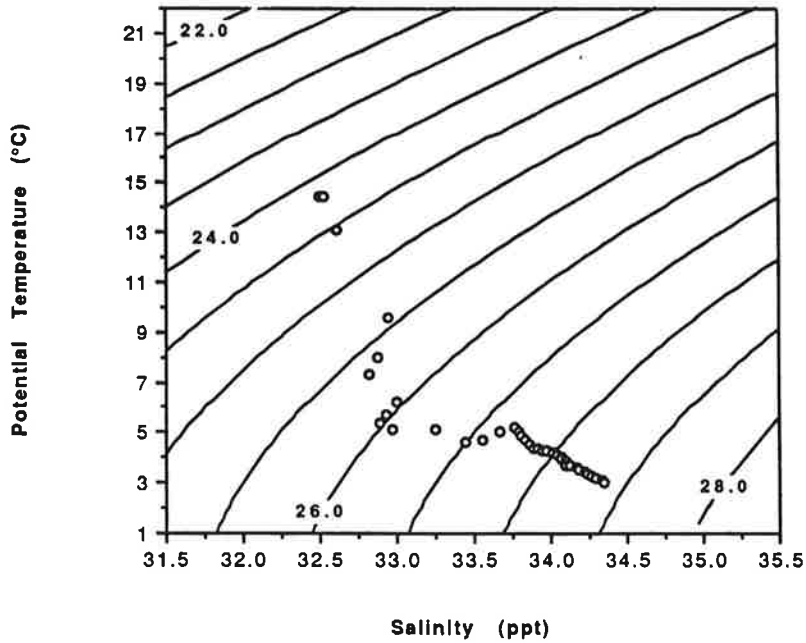
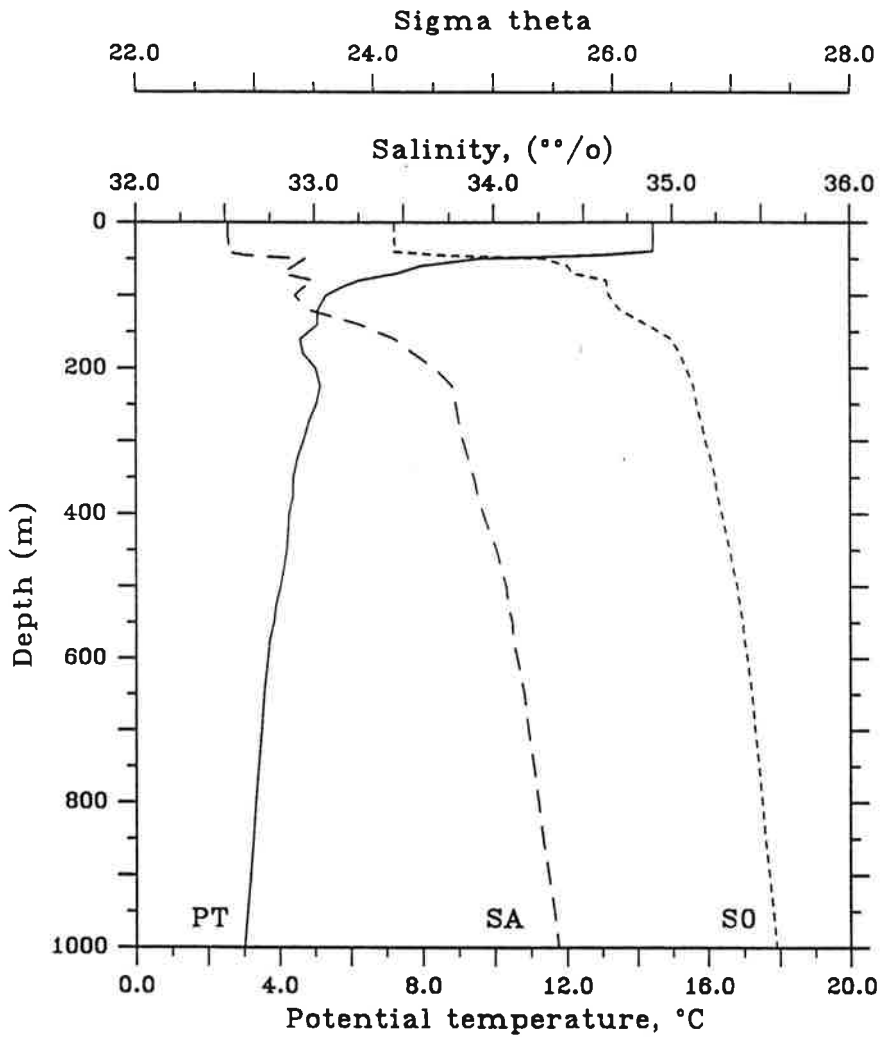
**CTD CASTS: Tabulated downcast data, profiles, and T-S diagrams.**

## STATION 1

LATITUDE: 46.9714 N LONGITUDE: 154.9256 W DATE: 4 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	14.463	32.517	14.463	24.174	24.174	28.590	24.174	1502.1	373.491	1.33	.00
2.0	2.0	14.463	32.517	14.463	24.174	24.174	28.590	24.183	1502.1	373.542	1.30	.32
4.0	4.0	14.463	32.517	14.462	24.174	24.174	28.590	24.192	1502.1	373.592	1.30	.32
6.0	6.1	14.463	32.517	14.462	24.174	24.174	28.591	24.201	1502.1	373.643	1.29	.32
8.0	8.1	14.463	32.517	14.462	24.174	24.174	28.591	24.209	1502.1	373.693	1.28	.32
10.0	10.1	14.463	32.517	14.462	24.174	24.174	28.591	24.219	1502.1	373.744	1.27	.32
12.0	12.1	14.463	32.517	14.461	24.174	24.174	28.591	24.228	1502.1	373.794	1.27	-6.10
14.0	14.2	14.463	32.514	14.461	24.171	24.172	28.588	24.234	1502.1	374.071	1.26	5.33
16.0	16.2	14.463	32.517	14.461	24.173	24.174	28.590	24.245	1502.1	373.950	1.25	-1.46
18.0	18.2	14.467	32.517	14.464	24.173	24.174	28.590	24.254	1502.1	374.014	1.24	-5.98
20.0	20.2	14.470	32.515	14.467	24.171	24.171	28.588	24.260	1502.1	374.283	1.24	6.65
22.0	22.2	14.468	32.519	14.465	24.174	24.174	28.591	24.272	1502.1	374.065	1.23	8.25
24.0	24.3	14.466	32.523	14.462	24.178	24.178	28.595	24.285	1502.1	373.703	1.22	-7.44
26.0	26.3	14.469	32.520	14.465	24.174	24.175	28.592	24.291	1502.1	374.090	1.21	6.24
28.0	28.3	14.465	32.522	14.461	24.177	24.178	28.594	24.302	1502.1	373.904	1.21	1.79
30.0	30.3	14.465	32.522	14.461	24.177	24.178	28.595	24.312	1502.1	373.936	1.20	-2.29
35.0	35.4	14.465	32.521	14.460	24.176	24.177	28.594	24.333	1502.1	374.143	1.19	-8.34
40.0	40.5	14.454	32.504	14.448	24.165	24.166	28.583	24.345	1502.1	375.325	1.17	47.73
45.0	45.5	13.075	32.610	13.069	24.528	24.529	28.968	24.730	1497.7	340.815	1.15	75.00
50.0	50.6	9.562	32.949	9.556	25.423	25.424	29.924	25.651	1485.8	255.444	1.13	24.52
60.0	60.7	7.970	32.881	7.964	25.614	25.615	30.148	25.890	1479.8	237.246	1.12	11.73
70.0	70.8	7.337	32.822	7.330	25.658	25.659	30.206	25.980	1477.3	233.146	1.09	30.02
80.0	80.9	6.223	33.001	6.217	25.945	25.946	30.517	26.315	1473.2	205.831	1.07	4.96
90.0	91.0	5.727	32.933	5.720	25.953	25.954	30.536	26.370	1471.2	205.112	1.05	6.22
100.0	101.1	5.331	32.890	5.323	25.965	25.966	30.558	26.430	1469.5	203.965	1.03	12.11
120.0	121.4	5.096	32.974	5.087	26.059	26.060	30.656	26.617	1468.7	195.235	1.00	18.64
140.0	141.6	5.088	33.253	5.077	26.280	26.281	30.876	26.931	1469.1	174.430	.96	18.16
160.0	161.9	4.603	33.450	4.591	26.490	26.492	31.097	27.235	1467.4	154.545	.93	10.71
180.0	182.1	4.684	33.554	4.671	26.564	26.565	31.167	27.401	1467.9	147.830	.89	9.10
200.0	202.3	5.036	33.670	5.021	26.617	26.619	31.211	27.545	1469.5	143.168	.86	8.86
225.0	227.7	5.169	33.768	5.152	26.680	26.681	31.271	27.723	1470.2	137.568	.83	5.91
250.0	253.0	5.052	33.786	5.033	26.707	26.709	31.301	27.867	1469.8	135.139	.80	7.07
275.0	278.3	4.833	33.805	4.813	26.747	26.749	31.346	28.023	1469.0	131.507	.76	6.43
300.0	303.6	4.691	33.827	4.668	26.780	26.782	31.382	28.173	1468.5	128.550	.73	7.48
325.0	328.9	4.512	33.858	4.488	26.824	26.827	31.431	28.334	1467.8	124.458	.69	6.74
350.0	354.2	4.399	33.889	4.373	26.861	26.863	31.470	28.487	1467.4	121.188	.66	4.76
375.0	379.6	4.392	33.910	4.364	26.879	26.882	31.488	28.621	1467.5	119.704	.63	6.72
400.0	404.9	4.279	33.941	4.250	26.915	26.918	31.527	28.773	1467.1	116.442	.60	6.27
425.0	430.2	4.247	33.976	4.216	26.946	26.949	31.559	28.920	1467.0	113.681	.57	6.56
450.0	455.5	4.213	34.014	4.180	26.980	26.984	31.594	29.070	1467.0	110.636	.54	5.89
475.0	480.9	4.133	34.039	4.099	27.008	27.011	31.623	29.214	1466.7	108.171	.51	6.49
500.0	506.2	4.035	34.068	3.999	27.041	27.045	31.659	29.365	1466.4	105.116	.48	4.96
525.0	531.5	3.907	34.076	3.870	27.061	27.065	31.682	29.501	1465.9	103.336	.46	5.68
550.0	556.9	3.849	34.101	3.811	27.086	27.090	31.709	29.643	1465.7	101.049	.43	4.23
575.0	582.2	3.727	34.104	3.688	27.101	27.104	31.726	29.774	1465.3	99.757	.40	5.46
600.0	607.6	3.678	34.127	3.636	27.124	27.128	31.751	29.914	1465.1	97.651	.38	5.03
650.0	658.3	3.573	34.165	3.528	27.165	27.169	31.794	30.187	1464.8	94.097	.35	3.92
700.0	709.0	3.503	34.187	3.454	27.189	27.194	31.820	30.443	1464.6	92.061	.31	4.48
750.0	759.7	3.419	34.217	3.368	27.221	27.226	31.854	30.706	1464.4	89.287	.26	4.22
800.0	810.5	3.334	34.242	3.279	27.249	27.254	31.885	30.967	1464.2	86.841	.21	4.02
850.0	861.2	3.266	34.266	3.208	27.275	27.280	31.913	31.224	1464.0	84.648	.17	4.58
900.0	912.0	3.184	34.298	3.122	27.308	27.314	31.948	31.489	1463.7	81.704	.12	4.51
950.0	962.8	3.096	34.329	3.032	27.340	27.346	31.983	31.753	1463.5	78.820	.08	3.98
1000.0	1013.6	3.009	34.350	2.941	27.365	27.372	32.010	32.010	1463.2	76.599	.00	9.92

STATION 1

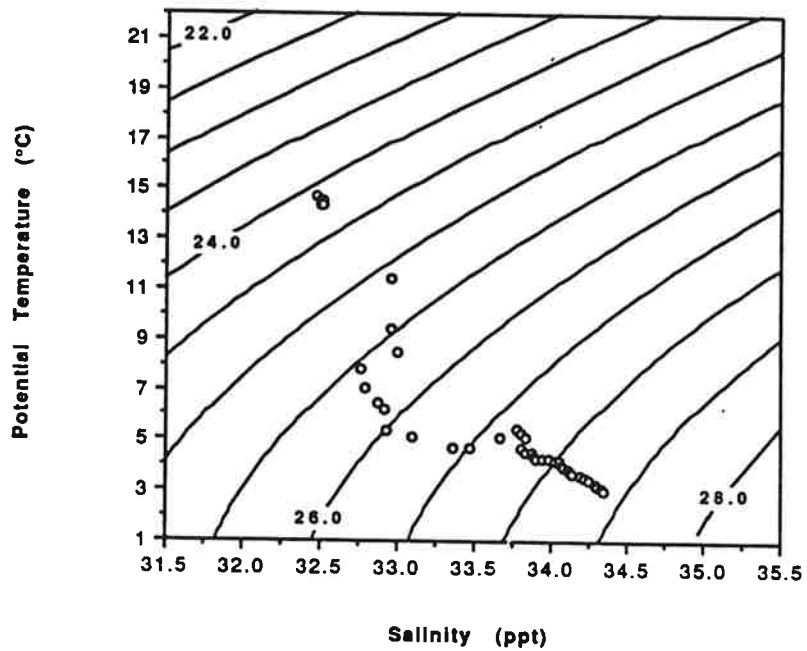
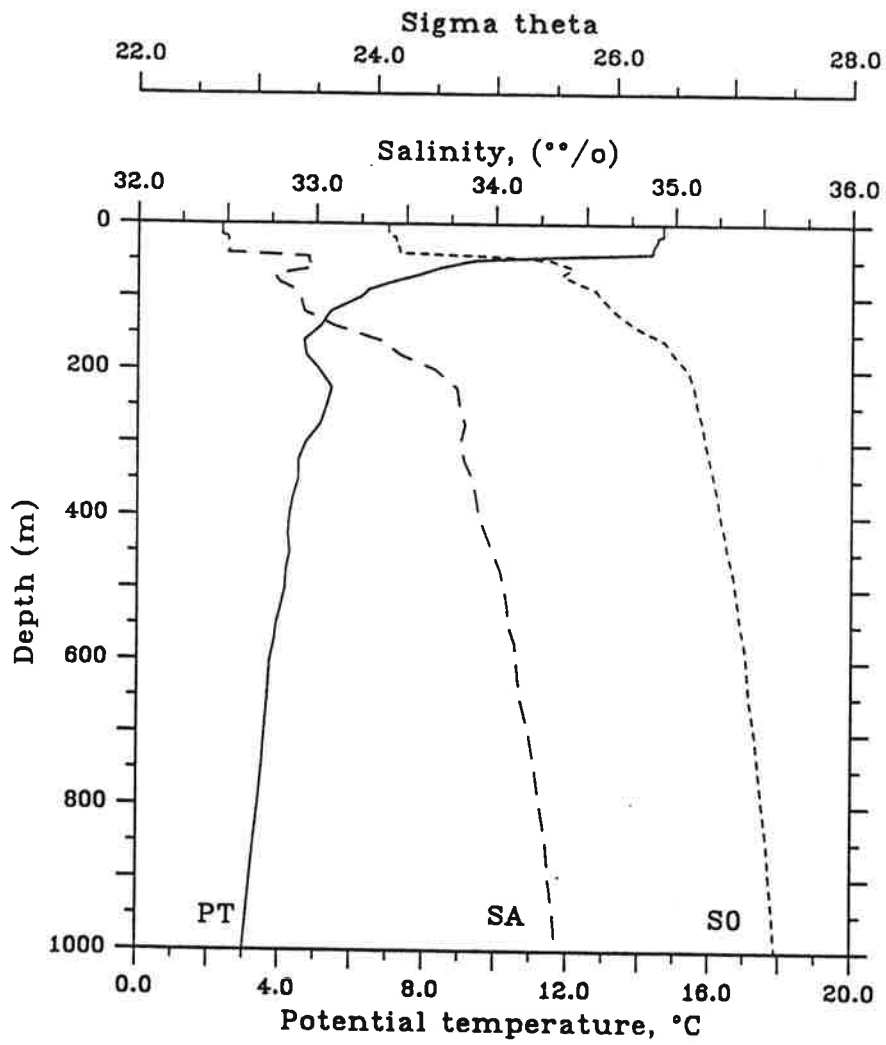


## STATION 3

LATITUDE: 46.7392 N LONGITUDE: 154.9864 W DATE: 4 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	14.652	32.472	14.652	24.098	24.098	28.513	24.098	1502.6	380.653	1.35	.00
2.0	2.0	14.652	32.472	14.652	24.098	24.099	28.513	24.108	1502.6	380.704	1.32	.32
4.0	4.0	14.652	32.472	14.651	24.098	24.099	28.513	24.117	1502.6	380.754	1.32	.32
6.0	6.1	14.652	32.472	14.651	24.098	24.099	28.513	24.125	1502.6	380.806	1.31	.32
8.0	8.1	14.652	32.472	14.651	24.098	24.099	28.513	24.134	1502.6	380.856	1.30	.32
10.0	10.1	14.652	32.472	14.651	24.098	24.099	28.513	24.143	1502.6	380.907	1.29	.32
12.0	12.1	14.652	32.472	14.650	24.098	24.099	28.513	24.152	1502.6	380.958	1.29	.32
14.0	14.1	14.652	32.472	14.650	24.098	24.099	28.513	24.161	1502.6	381.009	1.28	.32
16.0	16.2	14.652	32.472	14.650	24.098	24.099	28.513	24.170	1502.6	381.060	1.27	30.71
18.0	18.2	14.492	32.506	14.489	24.159	24.159	28.575	24.239	1502.2	375.384	1.26	-2.57
20.0	20.2	14.495	32.506	14.493	24.158	24.159	28.575	24.248	1502.2	375.475	1.25	7.10
22.0	22.2	14.491	32.509	14.488	24.161	24.162	28.578	24.260	1502.2	375.220	1.25	4.07
24.0	24.2	14.476	32.506	14.473	24.162	24.163	28.580	24.270	1502.1	375.171	1.24	-7.45
26.0	26.3	14.452	32.495	14.449	24.159	24.160	28.577	24.276	1502.0	375.557	1.23	19.14
28.0	28.3	14.413	32.515	14.409	24.182	24.183	28.601	24.308	1501.9	373.383	1.22	-11.61
30.0	30.3	14.397	32.499	14.392	24.174	24.174	28.592	24.308	1501.9	374.250	1.22	11.72
35.0	35.3	14.361	32.518	14.356	24.195	24.196	28.615	24.353	1501.8	372.291	1.21	-6.91
40.0	40.4	14.343	32.503	14.337	24.188	24.189	28.608	24.368	1501.7	373.142	1.19	76.24
45.0	45.4	11.422	32.961	11.417	25.113	25.114	29.580	25.317	1492.5	284.983	1.17	46.29
50.0	50.5	9.397	32.955	9.392	25.454	25.455	29.959	25.682	1485.2	252.461	1.15	23.75
60.0	60.6	8.443	32.994	8.437	25.634	25.635	30.158	25.909	1481.8	235.462	1.14	-16.61
70.0	70.7	7.827	32.767	7.821	25.546	25.547	30.084	25.867	1479.2	243.896	1.12	20.00
80.0	80.8	7.066	32.794	7.059	25.673	25.674	30.227	26.042	1476.3	231.813	1.09	21.63
90.0	90.9	6.451	32.881	6.444	25.822	25.823	30.389	26.238	1474.0	217.674	1.07	12.50
100.0	101.0	6.248	32.912	6.240	25.872	25.873	30.444	26.334	1473.3	213.032	1.04	13.70
120.0	121.2	5.404	32.934	5.395	25.991	25.992	30.582	26.548	1469.9	201.704	1.02	16.08
140.0	141.4	5.139	33.103	5.128	26.156	26.157	30.752	26.806	1469.1	186.204	.98	19.93
160.0	161.6	4.672	33.357	4.661	26.409	26.411	31.014	27.154	1467.6	162.257	.94	11.43
180.0	181.8	4.736	33.471	4.723	26.493	26.494	31.096	27.330	1468.0	154.578	.90	13.33
200.0	202.0	5.091	33.665	5.076	26.606	26.608	31.200	27.534	1469.7	144.189	.87	8.16
225.0	227.3	5.443	33.784	5.425	26.660	26.662	31.244	27.701	1471.3	139.594	.84	5.93
250.0	252.6	5.309	33.799	5.289	26.688	26.690	31.276	27.846	1470.9	137.151	.81	7.55
275.0	277.8	5.136	33.831	5.115	26.733	26.735	31.325	28.007	1470.2	133.036	.77	5.71
300.0	303.1	4.734	33.806	4.712	26.759	26.761	31.360	28.151	1468.6	130.593	.74	7.01
325.0	328.4	4.525	33.826	4.501	26.798	26.800	31.404	28.307	1467.8	126.992	.70	6.66
350.0	353.7	4.530	33.872	4.504	26.833	26.836	31.439	28.458	1467.9	123.888	.67	6.42
375.0	378.9	4.376	33.892	4.349	26.866	26.869	31.476	28.608	1467.4	120.895	.64	5.36
400.0	404.2	4.283	33.909	4.254	26.889	26.892	31.501	28.747	1467.0	118.877	.61	6.77
425.0	429.5	4.241	33.949	4.211	26.925	26.928	31.539	28.900	1467.0	115.614	.58	5.85
450.0	454.8	4.293	33.990	4.260	26.953	26.956	31.565	29.042	1467.3	113.314	.55	7.35
475.0	480.1	4.188	34.031	4.154	26.996	26.999	31.610	29.202	1466.9	109.373	.52	5.26
500.0	505.4	4.159	34.055	4.123	27.018	27.021	31.633	29.340	1466.9	107.485	.49	5.49
525.0	530.7	4.050	34.070	4.012	27.042	27.045	31.659	29.480	1466.5	105.314	.46	4.95
550.0	556.0	3.915	34.077	3.876	27.061	27.065	31.682	29.617	1466.0	103.524	.43	6.53
575.0	581.3	3.852	34.112	3.811	27.095	27.099	31.718	29.767	1465.8	100.460	.41	4.79
600.0	606.6	3.734	34.120	3.693	27.113	27.117	31.739	29.902	1465.4	98.786	.38	3.78
650.0	657.2	3.677	34.141	3.632	27.136	27.140	31.763	30.156	1465.2	96.953	.36	5.56
700.0	707.9	3.592	34.193	3.543	27.185	27.190	31.814	30.437	1465.0	92.578	.31	4.59
750.0	758.5	3.520	34.226	3.468	27.219	27.224	31.850	30.702	1464.8	89.687	.26	4.54
800.0	809.2	3.418	34.255	3.362	27.251	27.257	31.885	30.967	1464.5	86.802	.21	4.98
850.0	859.8	3.296	34.290	3.237	27.291	27.296	31.928	31.239	1464.1	83.235	.17	3.73
900.0	910.5	3.190	34.305	3.129	27.313	27.318	31.952	31.493	1463.8	81.295	.12	4.28
950.0	961.2	3.102	34.331	3.037	27.342	27.348	31.984	31.754	1463.5	78.719	.08	3.71
1000.0	1011.9	3.009	34.347	2.941	27.363	27.370	32.008	32.008	1463.2	76.787	.00	10.01

## STATION 3

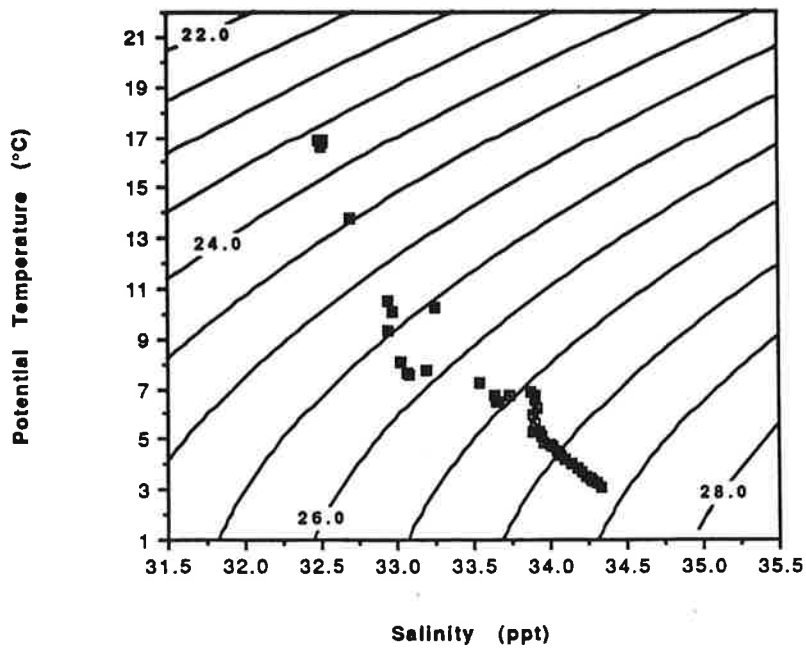
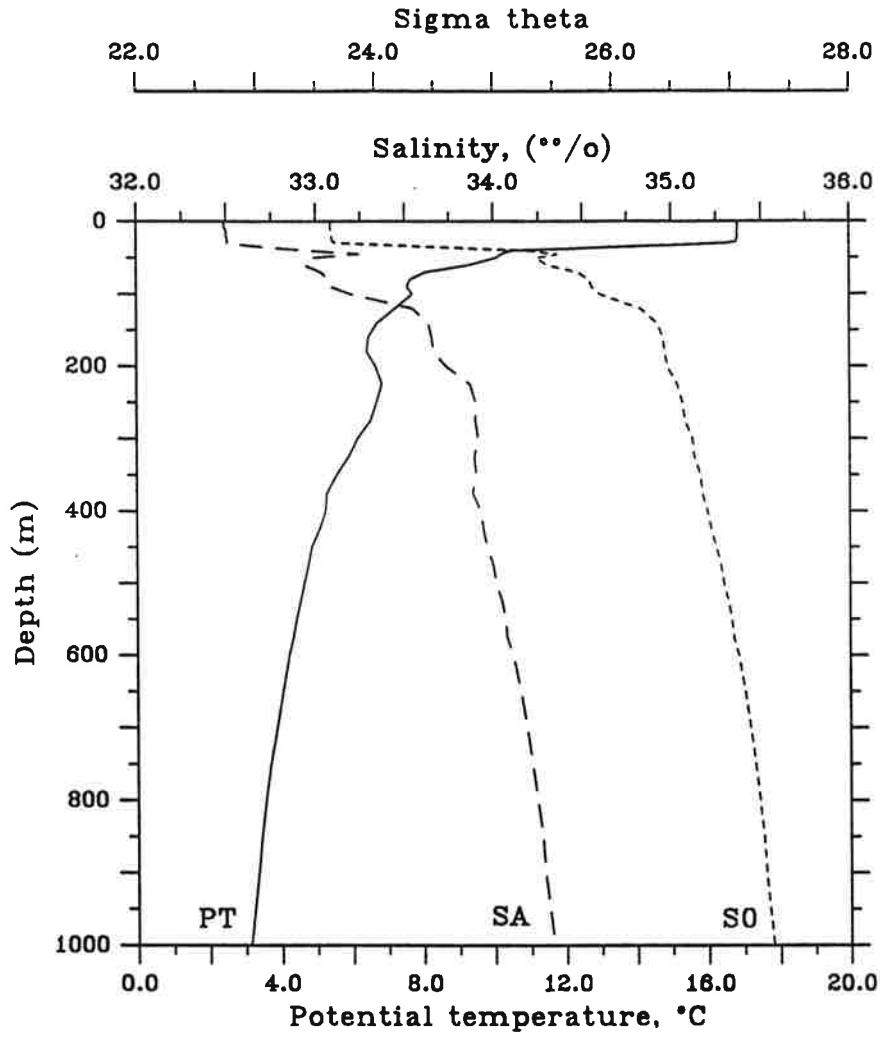


## STATION 4

LATITUDE: 46.5108 N LONGITUDE: 154.9533 W DATE: 5 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	16.851	32.491	16.851	23.625	23.625	28.006	23.625	1509.5	425.840	1.41	.00
2.0	2.0	16.851	32.491	16.851	23.625	23.625	28.006	23.634	1509.5	425.896	1.38	.33
4.0	4.0	16.851	32.491	16.850	23.625	23.625	28.006	23.643	1509.5	425.953	1.37	.33
6.0	6.1	16.851	32.491	16.850	23.625	23.625	28.006	23.652	1509.5	426.009	1.36	.33
8.0	8.1	16.851	32.491	16.850	23.625	23.625	28.006	23.660	1509.5	426.066	1.35	6.07
10.0	10.1	16.858	32.496	16.856	23.627	23.628	28.008	23.672	1509.5	425.899	1.34	11.56
12.0	12.1	16.843	32.502	16.841	23.636	23.636	28.017	23.689	1509.5	425.145	1.33	1.48
14.0	14.1	16.842	32.502	16.840	23.636	23.636	28.017	23.698	1509.5	425.189	1.33	4.01
16.0	16.2	16.841	32.503	16.838	23.637	23.637	28.018	23.708	1509.5	425.149	1.32	-7.12
18.0	18.2	16.853	32.502	16.850	23.633	23.634	28.015	23.714	1509.5	425.514	1.31	-4.91
20.0	20.2	16.857	32.502	16.853	23.632	23.633	28.013	23.721	1509.6	425.717	1.30	10.00
22.0	22.2	16.844	32.506	16.840	23.638	23.639	28.020	23.736	1509.5	425.168	1.29	5.30
24.0	24.2	16.834	32.505	16.830	23.640	23.641	28.022	23.747	1509.5	425.054	1.28	5.13
26.0	26.3	16.835	32.508	16.831	23.642	23.643	28.024	23.758	1509.5	424.952	1.27	12.61
28.0	28.3	16.807	32.513	16.802	23.652	23.653	28.034	23.777	1509.4	424.042	1.27	26.71
30.0	30.3	16.588	32.506	16.583	23.697	23.698	28.083	23.831	1508.8	419.760	1.26	69.02
35.0	35.3	13.766	32.695	13.761	24.455	24.456	28.883	24.613	1500.0	347.526	1.25	71.10
40.0	40.4	10.498	32.940	10.494	25.260	25.260	29.743	25.441	1489.2	270.858	1.23	42.08
45.0	45.4	10.242	33.246	10.237	25.542	25.543	30.028	25.747	1488.6	244.124	1.21	-33.91
50.0	50.5	10.089	32.978	10.084	25.358	25.359	29.850	25.586	1487.8	261.626	1.20	17.47
60.0	60.6	9.306	32.938	9.300	25.456	25.457	29.963	25.730	1484.9	252.487	1.19	28.55
70.0	70.7	8.097	33.033	8.090	25.715	25.716	30.246	26.036	1480.5	227.835	1.16	17.31
80.0	80.8	7.664	33.075	7.656	25.811	25.812	30.350	26.178	1478.9	218.853	1.14	8.43
90.0	90.9	7.574	33.087	7.566	25.833	25.834	30.375	26.247	1478.6	216.837	1.11	14.42
100.0	101.0	7.723	33.199	7.714	25.900	25.901	30.438	26.359	1479.3	210.727	1.09	23.16
120.0	121.2	7.238	33.547	7.227	26.242	26.243	30.788	26.794	1478.0	178.486	1.07	14.73
140.0	141.4	6.737	33.636	6.724	26.380	26.382	30.936	27.025	1476.1	165.531	1.03	8.76
160.0	161.6	6.482	33.655	6.468	26.429	26.431	30.991	27.167	1475.2	161.090	.99	4.98
180.0	181.8	6.431	33.667	6.415	26.445	26.447	31.008	27.275	1475.1	159.838	.96	5.67
200.0	202.0	6.679	33.734	6.661	26.465	26.468	31.023	27.386	1476.1	158.259	.93	10.21
225.0	227.3	6.860	33.871	6.839	26.548	26.551	31.102	27.583	1477.1	150.829	.90	7.32
250.0	252.6	6.714	33.900	6.691	26.591	26.594	31.147	27.741	1476.6	147.072	.86	5.18
275.0	277.9	6.546	33.899	6.521	26.612	26.616	31.173	27.878	1476.0	145.306	.82	8.76
300.0	303.1	6.176	33.915	6.150	26.673	26.677	31.242	28.056	1474.6	139.644	.78	4.42
325.0	328.4	5.914	33.893	5.887	26.689	26.692	31.263	28.188	1473.5	138.324	.74	7.85
350.0	353.7	5.581	33.903	5.552	26.737	26.741	31.320	28.355	1472.3	133.760	.71	4.73
375.0	379.0	5.302	33.883	5.272	26.755	26.758	31.344	28.490	1471.1	132.146	.67	7.13
400.0	404.3	5.258	33.928	5.226	26.796	26.799	31.385	28.646	1471.1	128.562	.64	6.35
425.0	429.6	5.087	33.943	5.053	26.828	26.831	31.421	28.794	1470.4	125.652	.61	7.20
450.0	454.9	4.865	33.963	4.830	26.869	26.873	31.468	28.953	1469.6	121.812	.58	6.85
475.0	480.2	4.768	33.997	4.731	26.906	26.910	31.507	29.106	1469.3	118.443	.54	5.62
500.0	505.5	4.657	34.013	4.619	26.931	26.935	31.535	29.247	1468.9	116.200	.51	6.82
525.0	530.8	4.544	34.044	4.504	26.968	26.972	31.575	29.401	1468.5	112.834	.48	5.85
550.0	556.1	4.426	34.062	4.385	26.995	27.000	31.605	29.545	1468.1	110.365	.45	4.44
575.0	581.4	4.336	34.069	4.293	27.011	27.015	31.623	29.677	1467.8	109.006	.43	7.05
600.0	606.7	4.221	34.104	4.177	27.050	27.055	31.665	29.833	1467.4	105.358	.40	5.69
650.0	657.3	4.045	34.145	3.998	27.102	27.107	31.720	30.117	1466.8	100.717	.37	5.30
700.0	708.0	3.877	34.180	3.826	27.146	27.151	31.769	30.394	1466.2	96.693	.32	5.10
750.0	758.6	3.695	34.208	3.642	27.187	27.193	31.815	30.668	1465.5	92.925	.27	4.78
800.0	809.3	3.557	34.237	3.501	27.224	27.229	31.854	30.937	1465.1	89.659	.22	4.58
850.0	860.0	3.439	34.264	3.380	27.257	27.263	31.891	31.203	1464.7	86.690	.17	3.57
900.0	910.7	3.347	34.278	3.284	27.277	27.283	31.913	31.455	1464.4	84.970	.13	4.32
950.0	961.4	3.246	34.304	3.180	27.306	27.313	31.945	31.716	1464.1	82.328	.08	4.45
1000.0	1012.1	3.135	34.330	3.066	27.338	27.344	31.980	31.980	1463.7	79.479	.00	10.09

STATION 4



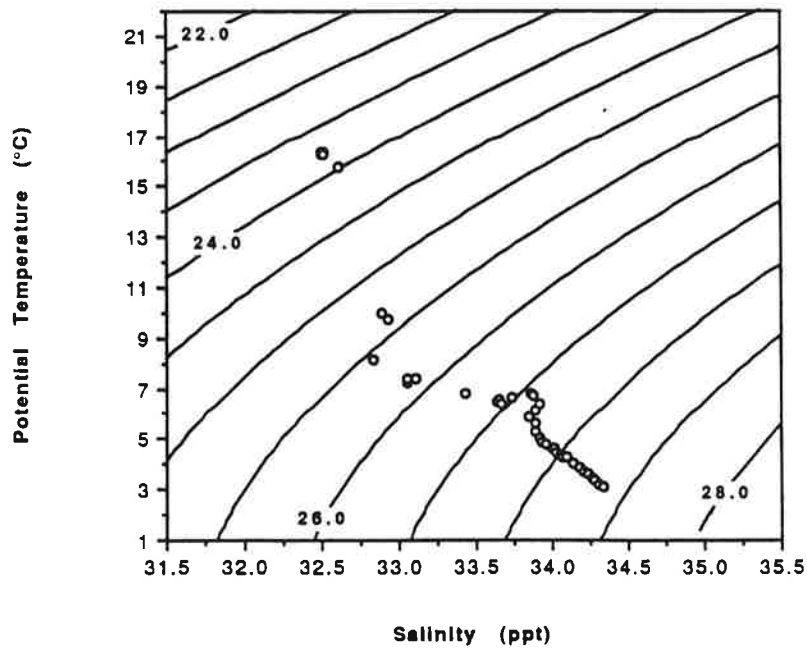
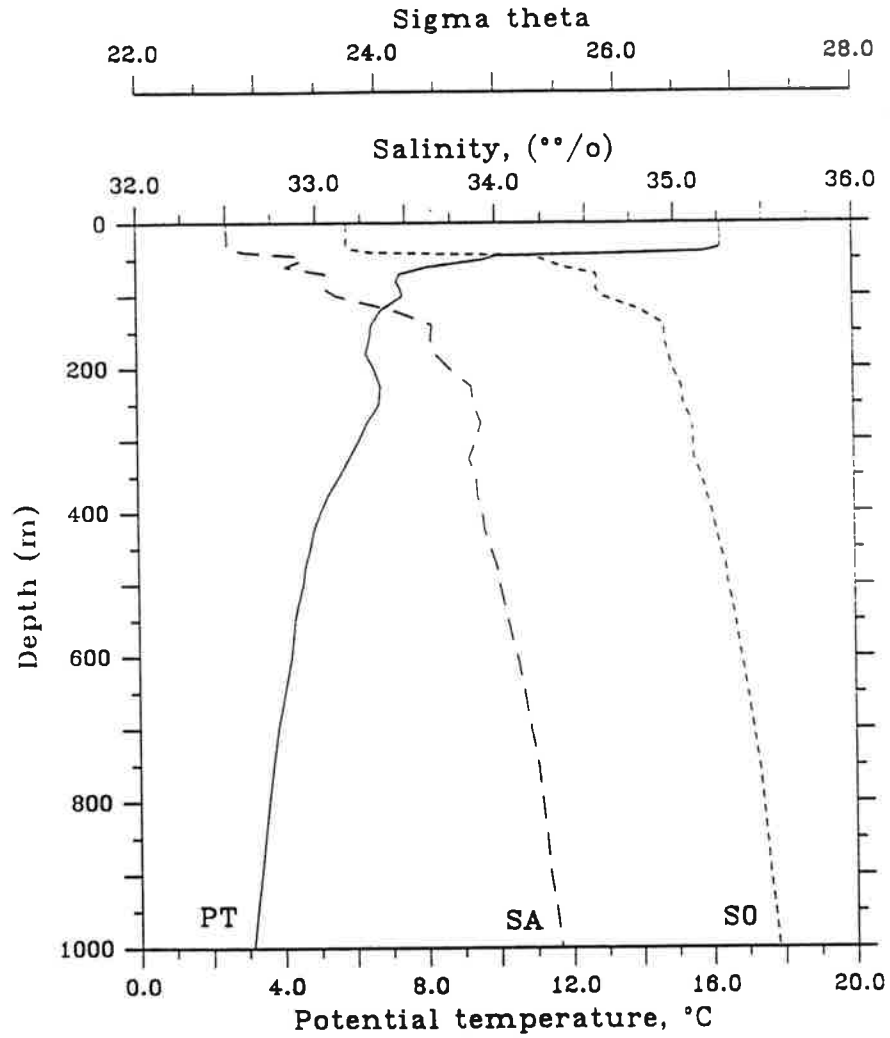
## STATION 11

LATITUDE: 44.4578 N LONGITUDE: 154.9925 W DATE: 5 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	16.324	32.505	16.324	23.757	23.757	28.145	23.757	1507.9	413.241	1.41	.00
2.0	2.0	16.324	32.505	16.324	23.757	23.757	28.145	23.766	1507.9	413.296	1.38	.33
4.0	4.0	16.324	32.505	16.324	23.757	23.757	28.145	23.775	1507.9	413.351	1.37	.33
6.0	6.0	16.324	32.505	16.323	23.757	23.757	28.145	23.784	1507.9	413.407	1.37	.33
8.0	8.1	16.324	32.505	16.323	23.757	23.757	28.146	23.793	1507.9	413.462	1.36	.33
10.0	10.1	16.324	32.505	16.323	23.757	23.757	28.146	23.802	1507.9	413.517	1.35	.33
12.0	12.1	16.324	32.505	16.322	23.757	23.757	28.146	23.810	1507.9	413.573	1.34	-5.19
14.0	14.1	16.325	32.503	16.323	23.755	23.756	28.144	23.818	1507.9	413.792	1.33	9.16
16.0	16.1	16.330	32.511	16.327	23.760	23.761	28.149	23.832	1508.0	413.339	1.32	-10.56
18.0	18.1	16.340	32.505	16.337	23.753	23.754	28.142	23.834	1508.0	414.072	1.32	5.84
20.0	20.2	16.340	32.508	16.337	23.756	23.756	28.144	23.845	1508.0	413.921	1.31	3.61
22.0	22.2	16.340	32.509	16.336	23.756	23.757	28.145	23.855	1508.0	413.898	1.30	-4.38
24.0	24.2	16.341	32.508	16.337	23.755	23.756	28.144	23.862	1508.0	414.070	1.29	.30
26.0	26.2	16.340	32.507	16.336	23.755	23.756	28.144	23.871	1508.0	414.126	1.28	6.01
28.0	28.2	16.338	32.510	16.334	23.757	23.758	28.146	23.882	1508.0	413.963	1.27	-5.57
30.0	30.2	16.335	32.506	16.331	23.755	23.757	28.145	23.889	1508.0	414.207	1.26	7.97
35.0	35.3	16.303	32.510	16.298	23.765	23.767	28.155	23.922	1507.9	413.382	1.26	33.96
40.0	40.3	15.823	32.608	15.817	23.949	23.950	28.346	24.128	1506.5	395.995	1.24	92.28
45.0	45.4	10.012	32.891	10.007	25.304	25.305	29.797	25.509	1487.4	266.702	1.21	23.28
50.0	50.4	9.705	32.937	9.700	25.390	25.391	29.889	25.618	1486.3	258.559	1.20	22.38
60.0	60.5	8.147	32.831	8.141	25.550	25.551	30.081	25.825	1480.4	243.397	1.18	30.10
70.0	70.6	7.349	33.054	7.342	25.838	25.839	30.385	26.161	1477.7	216.027	1.16	5.72
80.0	80.7	7.249	33.049	7.242	25.849	25.850	30.397	26.217	1477.3	215.165	1.14	-6.78
90.0	90.7	7.360	33.050	7.351	25.834	25.835	30.381	26.248	1477.8	216.716	1.11	11.63
100.0	100.8	7.415	33.115	7.406	25.877	25.879	30.422	26.337	1478.1	212.779	1.09	22.95
120.0	121.0	6.791	33.433	6.780	26.213	26.215	30.770	26.766	1476.1	181.062	1.07	17.83
140.0	141.2	6.532	33.647	6.520	26.416	26.418	30.977	27.062	1475.4	162.052	1.03	-1.26
160.0	161.3	6.485	33.638	6.471	26.415	26.417	30.977	27.153	1475.2	162.400	.99	7.14
180.0	181.5	6.375	33.661	6.359	26.447	26.449	31.012	27.278	1474.8	159.544	.96	7.14
200.0	201.7	6.594	33.739	6.576	26.480	26.482	31.039	27.401	1475.8	156.821	.93	9.53
225.0	226.9	6.774	33.861	6.754	26.552	26.555	31.108	27.588	1476.7	150.392	.90	4.36
250.0	252.2	6.733	33.873	6.710	26.568	26.571	31.124	27.718	1476.6	149.288	.86	9.73
275.0	277.4	6.403	33.914	6.378	26.643	26.646	31.206	27.910	1475.4	142.330	.82	2.87
300.0	302.6	6.163	33.883	6.137	26.649	26.653	31.218	28.032	1474.5	141.897	.78	2.60
325.0	327.9	5.883	33.845	5.855	26.654	26.658	31.230	28.154	1473.3	141.520	.75	9.06
350.0	353.1	5.605	33.884	5.577	26.720	26.723	31.302	28.337	1472.3	135.444	.71	7.28
375.0	378.3	5.295	33.891	5.265	26.762	26.765	31.351	28.496	1471.1	131.511	.67	7.66
400.0	403.6	5.068	33.916	5.036	26.808	26.812	31.403	28.660	1470.3	127.190	.64	6.37
425.0	428.8	4.875	33.929	4.842	26.841	26.844	31.439	28.809	1469.5	124.227	.61	6.82
450.0	454.1	4.779	33.962	4.745	26.877	26.881	31.479	28.962	1469.2	120.900	.57	7.31
475.0	479.3	4.635	33.996	4.598	26.920	26.924	31.524	29.121	1468.7	116.988	.54	4.74
500.0	504.6	4.577	34.010	4.539	26.938	26.942	31.544	29.255	1468.6	115.481	.51	6.31
525.0	529.9	4.444	34.032	4.405	26.969	26.974	31.579	29.404	1468.1	112.580	.48	5.99
550.0	555.1	4.339	34.054	4.298	26.998	27.002	31.609	29.548	1467.7	109.998	.45	5.34
575.0	580.4	4.291	34.076	4.248	27.021	27.025	31.633	29.687	1467.6	108.031	.43	5.82
600.0	605.7	4.239	34.103	4.194	27.048	27.052	31.662	29.830	1467.4	105.649	.40	5.62
650.0	656.2	4.049	34.141	4.002	27.098	27.103	31.716	30.113	1466.8	101.094	.37	5.46
700.0	706.8	3.847	34.174	3.797	27.145	27.150	31.769	30.393	1466.1	96.752	.32	5.28
750.0	757.3	3.708	34.213	3.655	27.189	27.195	31.816	30.670	1465.6	92.766	.27	4.45
800.0	807.9	3.576	34.236	3.520	27.221	27.226	31.851	30.934	1465.2	89.974	.22	4.22
850.0	858.5	3.464	34.257	3.404	27.249	27.255	31.882	31.194	1464.8	87.479	.17	3.96
900.0	909.1	3.354	34.275	3.291	27.274	27.279	31.910	31.451	1464.4	85.294	.13	4.93
950.0	959.7	3.225	34.308	3.159	27.312	27.318	31.951	31.722	1464.0	81.753	.08	4.30
1000.0	1010.3	3.114	34.332	3.045	27.341	27.348	31.984	31.984	1463.7	79.091	.00	10.81



## STATION 11

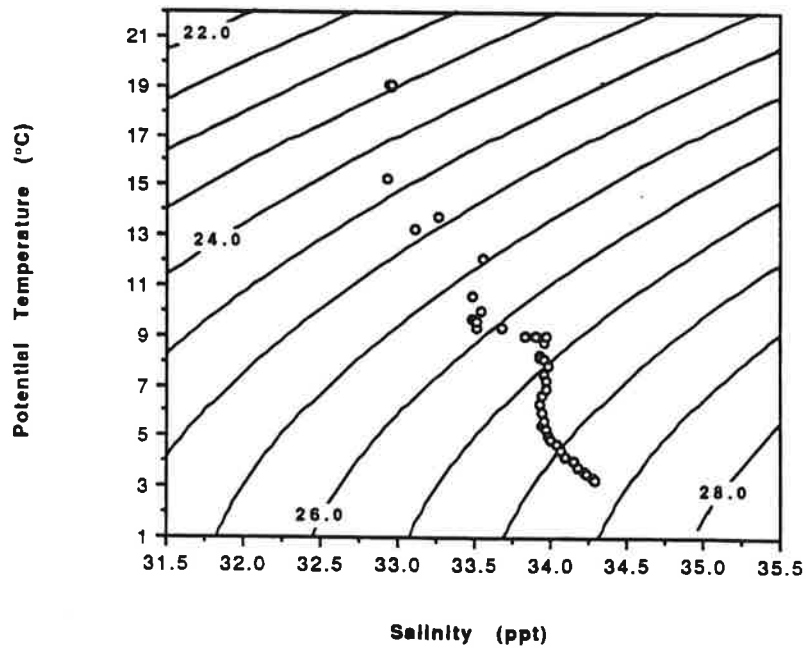
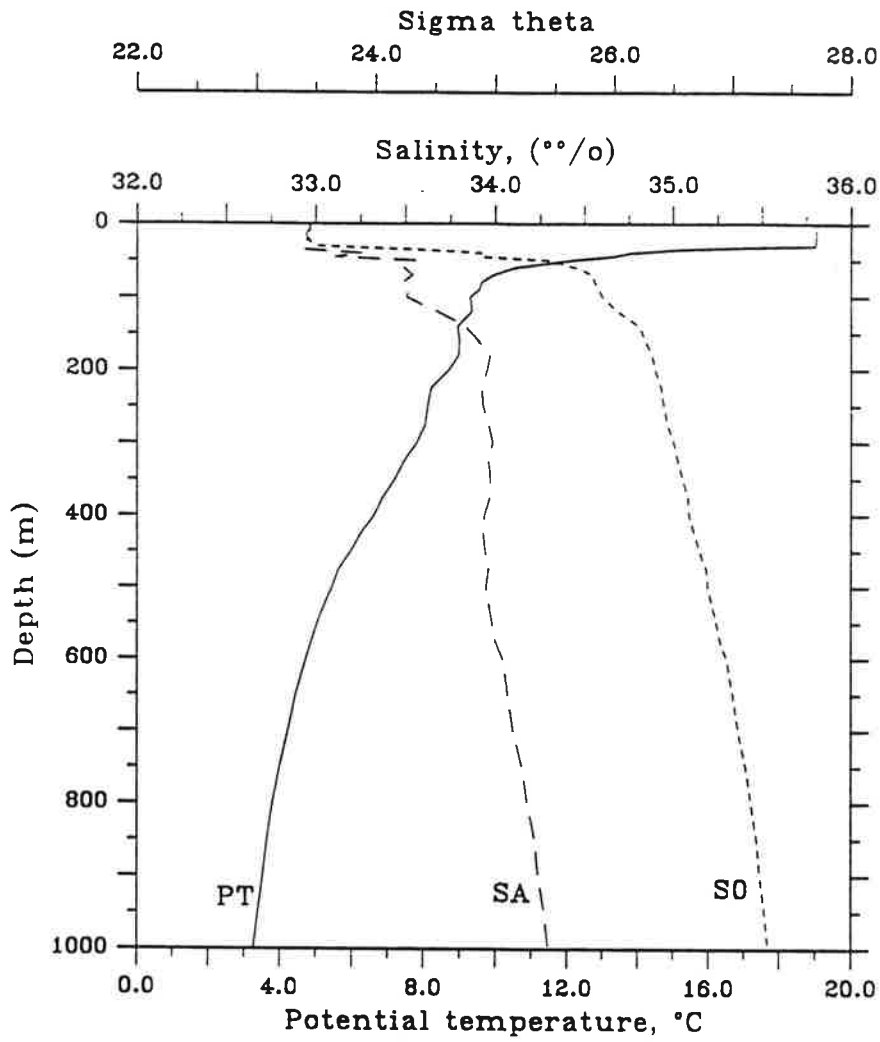


## STATION 22

LATITUDE: 41.6625 N LONGITUDE: 155.0069 W DATE: 7 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	19.044	32.965	19.044	23.456	23.456	27.805	23.456	1516.5	441.908	1.52	.00
2.0	2.0	19.044	32.965	19.043	23.456	23.456	27.805	23.465	1516.5	441.970	1.49	.39
4.0	4.0	19.044	32.965	19.043	23.456	23.457	27.805	23.474	1516.5	442.033	1.48	.39
6.0	6.0	19.044	32.965	19.043	23.456	23.457	27.805	23.483	1516.5	442.096	1.47	.39
8.0	8.1	19.044	32.965	19.042	23.456	23.457	27.805	23.492	1516.5	442.159	1.46	-7.85
10.0	10.1	19.028	32.954	19.026	23.452	23.453	27.802	23.497	1516.4	442.596	1.45	.39
12.0	12.1	19.028	32.954	19.026	23.452	23.453	27.802	23.506	1516.5	442.659	1.44	-12.37
14.0	14.1	19.038	32.945	19.035	23.443	23.443	27.792	23.505	1516.5	443.652	1.44	4.43
16.0	16.1	19.034	32.945	19.031	23.444	23.445	27.793	23.515	1516.5	443.596	1.43	11.52
18.0	18.1	19.026	32.954	19.022	23.452	23.453	27.802	23.532	1516.5	442.854	1.42	5.81
20.0	20.1	19.025	32.956	19.022	23.455	23.455	27.804	23.543	1516.5	442.713	1.41	-12.48
22.0	22.2	19.029	32.944	19.025	23.445	23.446	27.794	23.542	1516.5	443.722	1.40	15.92
24.0	24.2	19.014	32.961	19.010	23.461	23.462	27.810	23.567	1516.4	442.245	1.39	-10.03
26.0	26.2	19.026	32.956	19.022	23.454	23.456	27.804	23.570	1516.5	442.920	1.38	10.14
28.0	28.2	19.011	32.960	19.006	23.461	23.462	27.811	23.585	1516.4	442.359	1.37	8.06
30.0	30.2	19.003	32.963	18.998	23.465	23.466	27.815	23.598	1516.4	442.027	1.36	73.11
35.0	35.3	15.273	32.926	15.268	24.315	24.316	28.718	24.472	1505.2	360.948	1.35	59.76
40.0	40.3	13.798	33.258	13.792	24.883	24.885	29.308	25.063	1500.8	306.866	1.33	-8.91
45.0	45.3	13.284	33.107	13.278	24.871	24.872	29.305	25.073	1499.0	308.161	1.32	60.06
50.0	50.4	12.122	33.556	12.116	25.445	25.446	29.896	25.671	1495.6	253.569	1.30	27.10
60.0	60.4	10.555	33.491	10.548	25.679	25.680	30.158	25.952	1490.1	231.398	1.29	21.19
70.0	70.5	9.947	33.541	9.939	25.822	25.824	30.313	26.141	1488.0	217.938	1.26	6.01
80.0	80.6	9.616	33.486	9.607	25.834	25.835	30.331	26.198	1486.7	216.996	1.24	10.53
90.0	90.7	9.561	33.519	9.551	25.869	25.871	30.368	26.279	1486.6	213.823	1.22	10.04
100.0	100.8	9.305	33.507	9.294	25.901	25.903	30.405	26.357	1485.6	210.920	1.19	14.16
120.0	120.9	9.351	33.680	9.338	26.029	26.031	30.531	26.576	1486.1	199.169	1.17	16.96
140.0	141.1	8.955	33.834	8.940	26.212	26.215	30.722	26.851	1484.8	182.055	1.13	8.88
160.0	161.2	8.999	33.907	8.982	26.263	26.265	30.771	26.993	1485.1	177.673	1.09	9.20
180.0	181.4	8.985	33.973	8.965	26.317	26.320	30.825	27.138	1485.2	172.922	1.06	6.80
200.0	201.6	8.717	33.957	8.696	26.346	26.349	30.860	27.259	1484.2	170.398	1.02	8.00
225.0	226.8	8.230	33.927	8.207	26.397	26.400	30.922	27.426	1482.4	165.809	.98	5.11
250.0	252.0	8.134	33.935	8.109	26.418	26.421	30.945	27.561	1482.1	164.217	.94	6.45
275.0	277.2	8.068	33.965	8.040	26.451	26.455	30.979	27.708	1481.9	161.469	.90	8.21
300.0	302.4	7.828	33.988	7.799	26.504	26.509	31.038	27.877	1481.1	156.667	.86	6.44
325.0	327.6	7.472	33.964	7.440	26.537	26.542	31.078	28.027	1479.7	153.730	.82	7.51
350.0	352.9	7.214	33.975	7.181	26.582	26.587	31.129	28.187	1478.8	149.697	.78	7.46
375.0	378.1	6.877	33.972	6.843	26.626	26.631	31.180	28.348	1477.5	145.642	.74	3.19
400.0	403.3	6.638	33.941	6.602	26.634	26.639	31.194	28.472	1476.6	145.043	.70	7.40
425.0	428.5	6.262	33.934	6.225	26.677	26.682	31.245	28.633	1475.1	140.947	.66	7.49
450.0	453.8	5.984	33.946	5.945	26.722	26.726	31.296	28.795	1474.1	136.808	.63	8.41
475.0	479.0	5.647	33.964	5.607	26.778	26.782	31.360	28.969	1472.8	131.483	.59	3.70
500.0	504.2	5.470	33.951	5.429	26.788	26.793	31.375	29.096	1472.1	130.567	.56	6.93
525.0	529.5	5.253	33.966	5.211	26.826	26.831	31.417	29.251	1471.3	127.015	.53	6.76
550.0	554.7	5.056	33.983	5.013	26.863	26.868	31.458	29.405	1470.6	123.635	.49	6.36
575.0	580.0	4.893	34.000	4.848	26.895	26.900	31.494	29.553	1470.0	120.665	.46	8.07
600.0	605.2	4.730	34.042	4.684	26.947	26.952	31.550	29.722	1469.4	115.855	.43	5.85
650.0	655.7	4.443	34.071	4.394	27.001	27.006	31.611	30.010	1468.3	110.816	.40	5.34
700.0	706.3	4.234	34.100	4.182	27.046	27.051	31.661	30.288	1467.6	106.703	.34	6.36
750.0	756.8	3.999	34.150	3.944	27.110	27.116	31.731	30.586	1466.7	100.717	.29	5.28
800.0	807.3	3.797	34.179	3.739	27.154	27.160	31.780	30.863	1466.0	96.621	.23	5.46
850.0	857.9	3.645	34.220	3.585	27.201	27.207	31.831	31.143	1465.5	92.292	.18	4.14
900.0	908.5	3.525	34.239	3.461	27.228	27.235	31.861	31.403	1465.1	89.883	.13	5.04
950.0	959.0	3.389	34.273	3.323	27.269	27.275	31.904	31.675	1464.7	86.181	.09	4.35
1000.0	1009.6	3.260	34.295	3.190	27.299	27.305	31.938	31.938	1464.2	83.437	.00	9.84

STATION 22

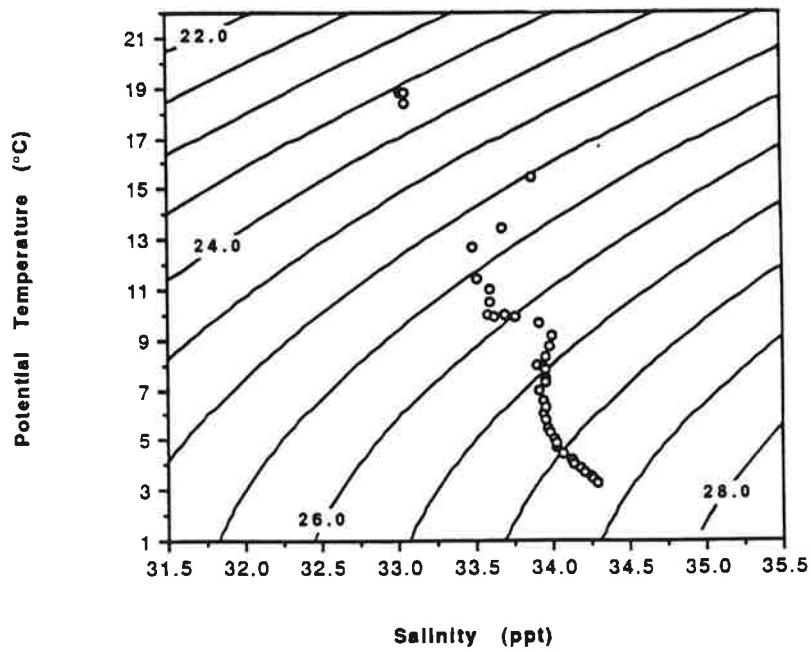
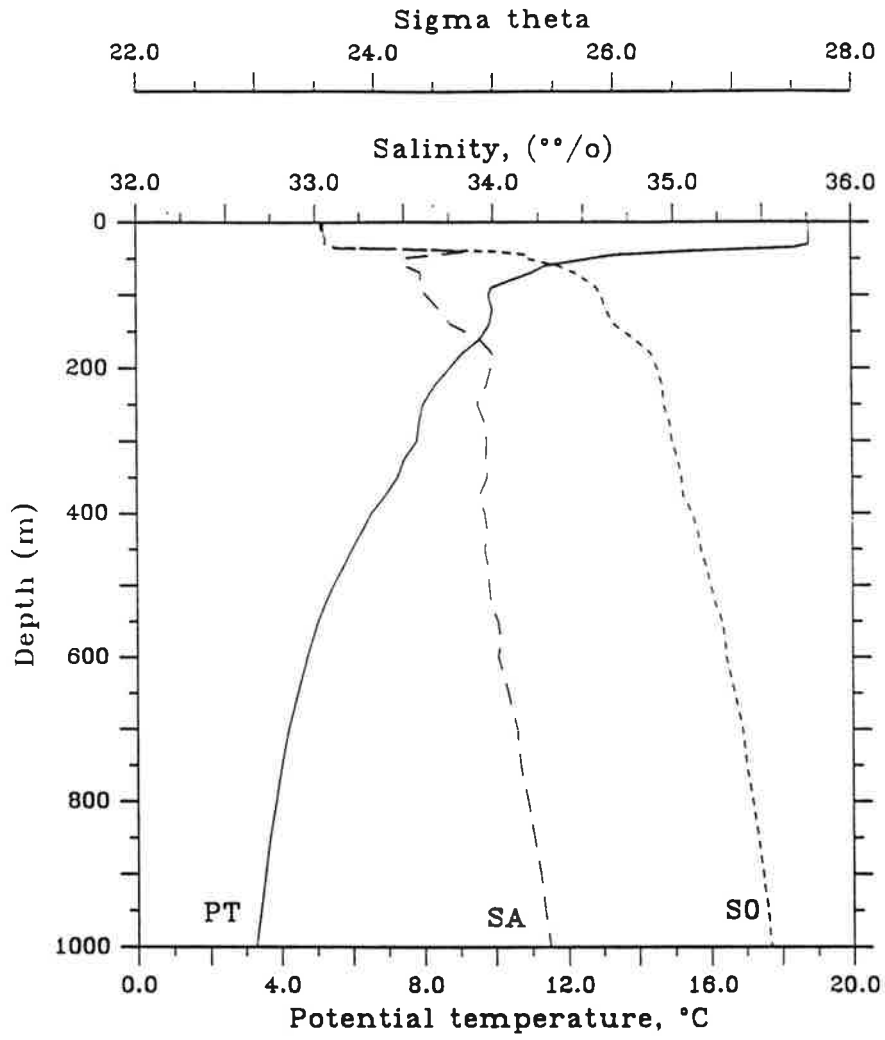


## STATION 27

LATITUDE: 40.1572 N LONGITUDE: 155.0178 W DATE: 8 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	19.555	33.267	19.555	23.557	23.557	27.896	23.557	1518.3	432.340	1.72	.00
2.0	2.0	19.555	33.267	19.555	23.557	23.557	27.896	23.566	1518.3	432.404	1.69	.39
4.0	4.0	19.555	33.267	19.555	23.557	23.557	27.897	23.574	1518.3	432.469	1.68	.39
6.0	6.1	19.555	33.267	19.554	23.557	23.557	27.897	23.583	1518.3	432.533	1.67	.39
8.0	8.1	19.555	33.267	19.554	23.557	23.557	27.897	23.592	1518.3	432.598	1.66	.39
10.0	10.1	19.555	33.267	19.554	23.557	23.557	27.897	23.601	1518.3	432.662	1.65	.39
12.0	12.1	19.555	33.267	19.553	23.557	23.557	27.897	23.610	1518.3	432.727	1.64	36.84
14.0	14.2	19.564	33.383	19.562	23.643	23.644	27.983	23.705	1518.5	424.552	1.63	11.21
16.0	16.2	19.563	33.393	19.561	23.651	23.652	27.991	23.722	1518.5	423.854	1.62	5.47
18.0	18.2	19.567	33.397	19.564	23.653	23.654	27.993	23.733	1518.5	423.738	1.62	9.12
20.0	20.2	19.563	33.402	19.559	23.658	23.659	27.998	23.747	1518.5	423.299	1.61	3.18
22.0	22.2	19.564	33.404	19.560	23.659	23.660	27.999	23.756	1518.5	423.303	1.60	-4.73
24.0	24.3	19.567	33.403	19.563	23.657	23.659	27.997	23.764	1518.5	423.505	1.59	13.90
26.0	26.3	19.543	33.411	19.538	23.670	23.671	28.010	23.785	1518.4	422.398	1.58	-6.40
28.0	28.3	19.522	33.400	19.517	23.667	23.668	28.008	23.791	1518.4	422.711	1.57	-12.98
30.0	30.3	19.461	33.366	19.455	23.656	23.658	27.998	23.789	1518.2	423.797	1.56	87.71
35.0	35.4	15.992	33.868	15.986	24.880	24.881	29.266	25.036	1508.5	307.197	1.56	44.76
40.0	40.4	14.989	33.994	14.983	25.199	25.201	29.600	25.378	1505.5	276.926	1.54	-46.31
45.0	45.5	14.569	33.433	14.563	24.858	24.859	29.269	25.059	1503.5	309.533	1.52	55.25
50.0	50.6	13.582	33.796	13.575	25.344	25.345	29.768	25.568	1500.8	263.357	1.51	37.72
60.0	60.7	12.368	34.070	12.360	25.797	25.799	30.240	26.068	1497.1	220.418	1.49	-19.82
70.0	70.8	12.378	33.911	12.369	25.672	25.674	30.116	25.988	1496.9	232.549	1.47	22.83
80.0	80.9	11.679	33.955	11.669	25.838	25.840	30.295	26.199	1496.6	216.925	1.44	-5.95
90.0	91.0	11.450	33.886	11.439	25.826	25.829	30.288	26.234	1493.7	218.193	1.42	13.56
100.0	101.1	11.015	33.859	11.002	25.885	25.887	30.355	26.338	1492.2	212.782	1.40	10.58
120.0	121.4	10.444	33.822	10.430	25.956	25.959	30.437	26.501	1490.2	206.330	1.38	12.69
140.0	141.6	10.501	33.966	10.485	26.059	26.062	30.538	26.694	1490.6	197.029	1.33	15.79
160.0	161.8	10.079	34.077	10.061	26.218	26.221	30.704	26.945	1489.2	182.259	1.29	5.91
180.0	182.0	10.015	34.091	9.994	26.240	26.244	30.728	27.058	1489.1	180.540	1.25	8.49
200.0	202.3	9.646	34.071	9.624	26.286	26.290	30.781	27.196	1487.7	176.463	1.22	7.07
225.0	227.6	9.165	34.021	9.140	26.326	26.330	30.831	27.351	1486.0	172.987	1.18	7.86
250.0	252.9	8.785	34.007	8.759	26.375	26.379	30.888	27.515	1484.6	168.625	1.14	5.99
275.0	278.2	8.520	33.991	8.492	26.403	26.407	30.923	27.659	1483.6	166.232	1.09	6.12
300.0	303.5	8.367	33.999	8.337	26.433	26.438	30.956	27.803	1483.1	163.759	1.05	7.98
325.0	328.8	8.147	34.021	8.114	26.483	26.488	31.011	27.969	1482.3	159.263	1.01	2.92
350.0	354.1	7.858	33.975	7.823	26.490	26.495	31.024	28.091	1481.2	158.851	.97	8.64
375.0	379.4	7.529	33.990	7.492	26.549	26.555	31.090	28.267	1480.0	153.401	.93	6.48
400.0	404.8	7.177	33.969	7.139	26.583	26.588	31.131	28.417	1478.7	150.356	.89	7.05
425.0	430.1	6.795	33.953	6.756	26.622	26.627	31.179	28.573	1477.2	146.667	.85	8.40
450.0	455.4	6.495	33.973	6.454	26.678	26.683	31.241	28.746	1476.1	141.446	.81	6.27
475.0	480.7	6.177	33.960	6.135	26.709	26.714	31.279	28.895	1474.9	138.525	.77	6.44
500.0	506.1	5.906	33.958	5.863	26.742	26.747	31.318	29.045	1473.9	135.460	.74	8.94
525.0	531.4	5.630	33.996	5.586	26.805	26.810	31.388	29.226	1472.9	129.475	.70	3.67
550.0	556.7	5.393	33.973	5.347	26.815	26.821	31.404	29.353	1471.9	128.490	.67	9.34
575.0	582.1	5.172	34.028	5.126	26.885	26.890	31.478	29.540	1471.1	121.963	.64	4.35
600.0	607.4	4.964	34.016	4.916	26.900	26.905	31.498	29.672	1470.3	120.954	.60	6.69
650.0	658.1	4.582	34.052	4.532	26.971	26.976	31.577	29.978	1468.9	113.846	.57	5.69
700.0	708.8	4.327	34.082	4.275	27.022	27.027	31.635	30.263	1467.9	109.108	.51	6.18
750.0	759.5	4.098	34.128	4.043	27.082	27.088	31.701	30.556	1467.1	103.487	.46	5.12
800.0	810.3	3.941	34.160	3.882	27.124	27.130	31.746	30.830	1466.6	99.731	.40	5.47
850.0	861.0	3.756	34.196	3.695	27.171	27.177	31.798	31.111	1466.0	95.341	.35	4.82
900.0	911.7	3.616	34.224	3.551	27.208	27.214	31.838	31.380	1465.5	91.997	.30	4.74
950.0	962.5	3.483	34.253	3.416	27.243	27.250	31.877	31.648	1465.0	88.753	.25	5.12
1000.0	1013.3	3.324	34.286	3.254	27.285	27.291	31.923	31.923	1464.5	84.876	.21	4.40
1100.0	1114.9	3.100	34.336	3.023	27.346	27.353	31.989	32.447	1463.8	79.265	.16	3.95
1200.0	1216.5	2.920	34.377	2.837	27.395	27.403	32.044	32.960	1463.2	74.816	.00	10.02

STATION 27

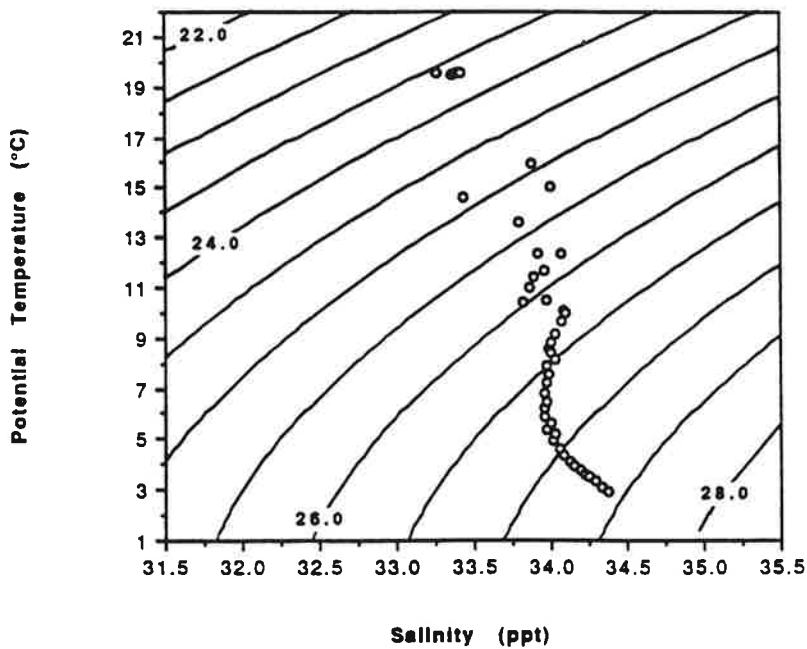
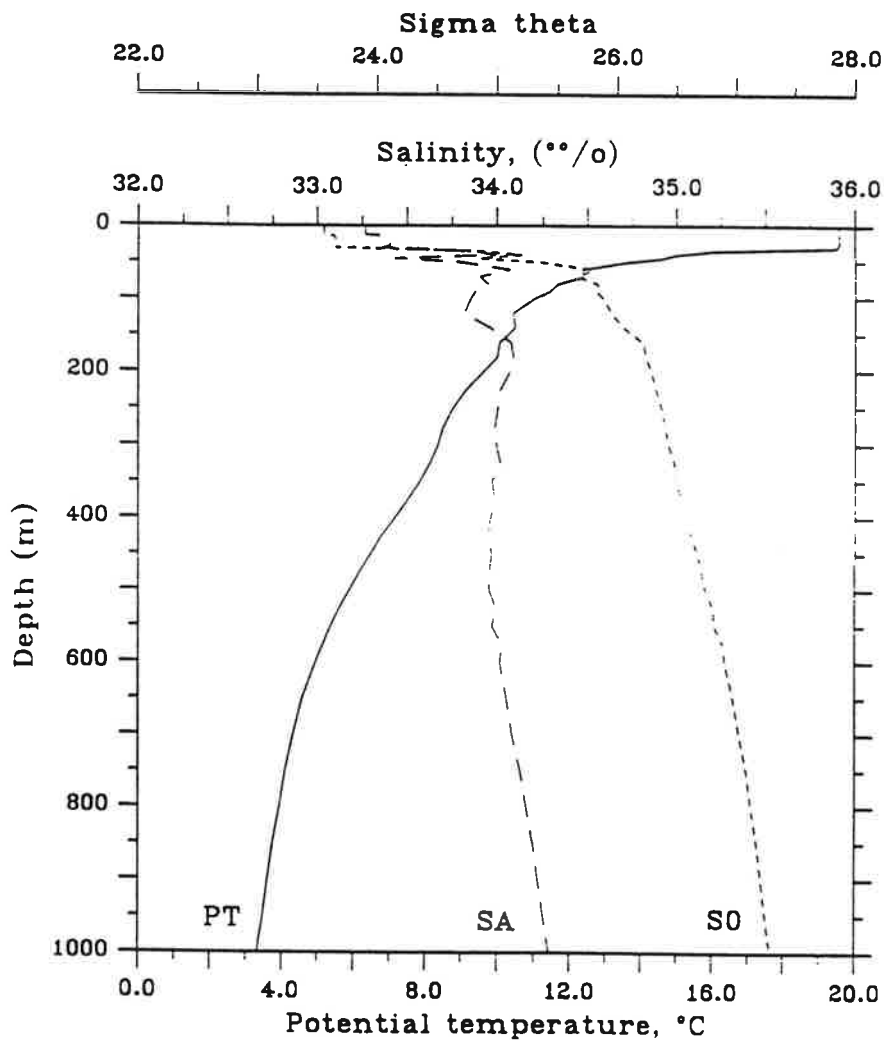


## STATION 28

LATITUDE: 39.9211 N LONGITUDE: 155.0269 W DATE: 8 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	19.718	33.431	19.718	23.640	23.640	27.977	23.640	1518.9	424.370	1.58	.00
2.0	2.0	19.718	33.431	19.718	23.640	23.640	27.977	23.649	1518.9	424.435	1.55	.39
4.0	4.0	19.718	33.431	19.717	23.640	23.640	27.977	23.658	1518.9	424.500	1.54	.39
6.0	6.1	19.718	33.431	19.717	23.640	23.640	27.977	23.667	1518.9	424.565	1.53	.39
8.0	8.1	19.718	33.431	19.717	23.640	23.641	27.977	23.676	1518.9	424.631	1.52	.39
10.0	10.1	19.718	33.431	19.716	23.640	23.641	27.977	23.684	1518.9	424.696	1.51	-11.65
12.0	12.1	19.755	33.433	19.753	23.632	23.632	27.968	23.685	1519.0	425.586	1.50	-13.22
14.0	14.1	19.760	33.420	19.758	23.620	23.621	27.957	23.682	1519.1	426.714	1.49	8.57
16.0	16.1	19.757	33.425	19.754	23.625	23.626	27.962	23.696	1519.1	426.334	1.48	-5.12
18.0	18.2	19.762	33.424	19.759	23.623	23.624	27.961	23.703	1519.1	426.559	1.48	10.87
20.0	20.2	19.755	33.432	19.751	23.631	23.632	27.968	23.719	1519.1	425.907	1.47	-8.26
22.0	22.2	19.760	33.428	19.756	23.627	23.628	27.964	23.724	1519.1	426.388	1.46	5.54
24.0	24.2	19.758	33.430	19.754	23.628	23.630	27.966	23.735	1519.1	426.267	1.45	1.17
26.0	26.2	19.758	33.430	19.754	23.629	23.630	27.966	23.744	1519.1	426.325	1.44	6.73
28.0	28.3	19.753	33.432	19.748	23.632	23.633	27.969	23.755	1519.1	426.116	1.43	6.60
30.0	30.3	19.744	33.432	19.739	23.634	23.636	27.972	23.767	1519.0	425.918	1.42	-15.69
35.0	35.3	19.709	33.369	19.702	23.595	23.597	27.934	23.750	1518.9	429.816	1.42	63.81
40.0	40.4	15.783	32.978	15.777	24.243	24.244	28.638	24.421	1506.8	368.015	1.39	71.52
45.0	45.4	13.851	33.496	13.845	25.057	25.058	29.479	25.259	1501.3	290.527	1.37	52.76
50.0	50.5	12.955	33.835	12.948	25.500	25.501	29.935	25.725	1498.7	248.440	1.36	24.39
60.0	60.5	12.224	33.896	12.216	25.690	25.691	30.137	25.960	1496.4	230.607	1.34	14.23
70.0	70.6	11.597	33.827	11.588	25.754	25.756	30.213	26.071	1494.1	224.647	1.32	14.88
80.0	80.7	11.355	33.861	11.345	25.824	25.826	30.287	26.187	1493.4	218.142	1.29	11.64
90.0	90.8	11.108	33.859	11.097	25.868	25.870	30.335	26.275	1492.5	214.226	1.27	3.24
100.0	100.9	10.910	33.817	10.898	25.871	25.873	30.343	26.324	1491.8	214.094	1.25	9.13
120.0	121.1	10.644	33.825	10.630	25.924	25.927	30.401	26.468	1490.9	209.429	1.23	13.91
140.0	141.3	10.528	33.957	10.511	26.048	26.050	30.526	26.683	1490.7	198.125	1.18	13.66
160.0	161.5	10.112	34.018	10.094	26.166	26.169	30.653	26.893	1489.3	187.163	1.14	10.49
180.0	181.7	9.941	34.070	9.921	26.236	26.240	30.726	27.054	1488.8	180.865	1.10	5.65
200.0	201.9	9.764	34.058	9.741	26.257	26.260	30.750	27.166	1488.2	179.281	1.07	9.08
225.0	227.1	9.256	34.035	9.231	26.322	26.326	30.826	27.347	1486.3	173.355	1.03	6.82
250.0	252.4	9.025	34.035	8.998	26.359	26.363	30.868	27.498	1485.5	170.211	.98	6.83
275.0	277.6	8.595	33.996	8.566	26.396	26.400	30.914	27.651	1483.9	166.943	.94	5.77
300.0	302.9	8.304	33.973	8.273	26.422	26.427	30.947	27.793	1482.8	164.714	.90	8.43
325.0	328.1	8.056	33.998	8.023	26.479	26.484	31.008	27.965	1482.0	159.641	.86	6.09
350.0	353.4	7.824	33.992	7.790	26.508	26.513	31.042	28.109	1481.1	157.115	.81	5.28
375.0	378.7	7.733	34.003	7.696	26.530	26.536	31.067	28.246	1480.8	155.357	.77	6.66
400.0	403.9	7.353	33.979	7.315	26.565	26.571	31.110	28.398	1479.4	152.129	.73	8.09
425.0	429.2	6.969	33.977	6.929	26.617	26.623	31.170	28.567	1477.9	147.276	.69	2.78
450.0	454.5	6.642	33.928	6.601	26.623	26.628	31.183	28.690	1476.7	146.768	.66	10.53
475.0	479.7	6.276	33.979	6.234	26.711	26.716	31.279	28.896	1475.3	138.432	.62	5.12
500.0	505.0	6.054	33.969	6.010	26.732	26.737	31.305	29.033	1474.5	136.567	.58	6.76
525.0	530.3	5.812	33.977	5.767	26.768	26.773	31.347	29.186	1473.6	133.199	.55	6.73
550.0	555.6	5.541	33.980	5.495	26.803	26.809	31.389	29.340	1472.5	129.801	.51	6.29
575.0	580.9	5.364	33.993	5.316	26.835	26.840	31.424	29.488	1471.9	126.912	.48	6.46
600.0	606.2	5.135	34.001	5.086	26.868	26.873	31.462	29.639	1471.0	123.777	.45	6.86
650.0	656.7	4.728	34.037	4.677	26.942	26.948	31.546	29.948	1469.5	116.705	.42	6.91
700.0	707.3	4.377	34.084	4.324	27.018	27.024	31.630	30.258	1468.2	109.527	.35	5.50
750.0	758.0	4.161	34.116	4.106	27.066	27.072	31.683	30.539	1467.4	105.119	.30	5.50
800.0	808.6	3.973	34.151	3.914	27.114	27.120	31.735	30.820	1466.7	100.719	.24	5.77
850.0	859.2	3.785	34.194	3.724	27.167	27.173	31.793	31.106	1466.1	95.822	.19	4.77
900.0	909.9	3.635	34.220	3.571	27.202	27.209	31.832	31.375	1465.6	92.533	.14	5.12
950.0	960.5	3.491	34.254	3.423	27.244	27.250	31.878	31.649	1465.1	88.717	.09	4.70
1000.0	1011.2	3.354	34.282	3.284	27.279	27.285	31.916	31.916	1464.6	85.496	.00	10.82

STATION 28



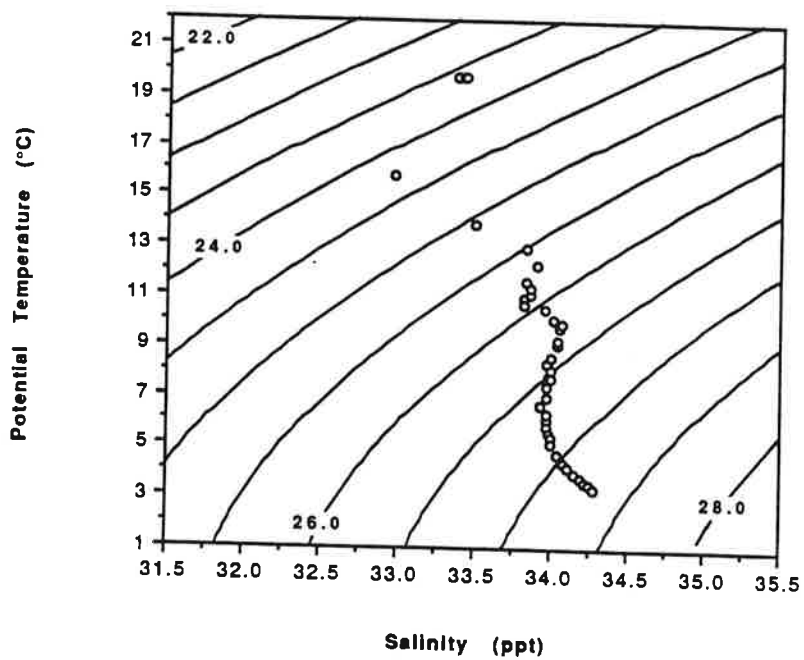
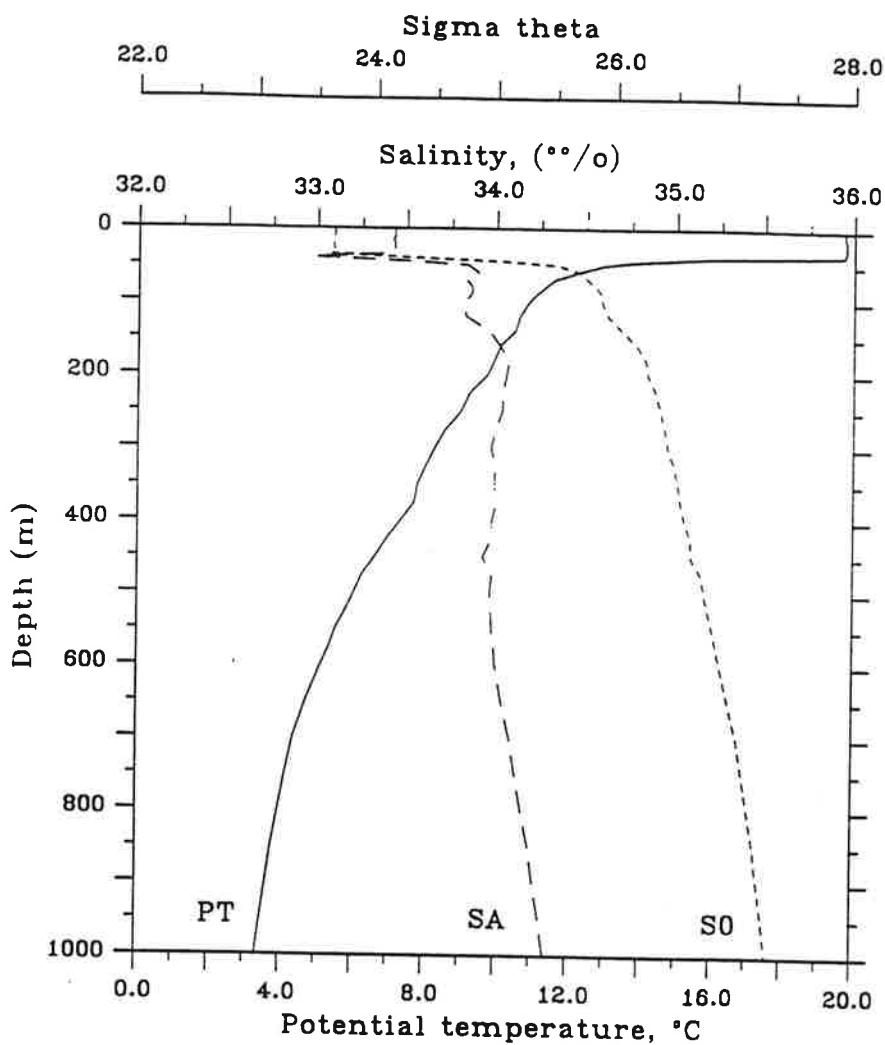
## STATION 29

LATITUDE: 39.9211 N LONGITUDE: 155.0269 W DATE: 8 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIGZ	SOUND	AVOL	DYNH	BVAI
.0	.0	19.718	33.431	19.718	23.640	23.640	27.977	23.640	1518.9	424.370	1.58	.00
2.0	2.0	19.718	33.431	19.718	23.640	23.640	27.977	23.649	1518.9	424.435	1.55	.39
4.0	4.0	19.718	33.431	19.717	23.640	23.640	27.977	23.658	1518.9	424.500	1.54	.39
6.0	6.1	19.718	33.431	19.717	23.640	23.640	27.977	23.667	1518.9	424.565	1.53	.39
8.0	8.1	19.718	33.431	19.717	23.640	23.641	27.977	23.676	1518.9	424.631	1.52	.39
10.0	10.1	19.718	33.431	19.716	23.640	23.641	27.977	23.684	1518.9	424.696	1.51	-11.65
12.0	12.1	19.755	33.433	19.753	23.632	23.632	27.968	23.685	1519.0	425.586	1.50	-13.22
14.0	14.1	19.760	33.420	19.758	23.620	23.621	27.957	23.682	1519.1	426.714	1.49	8.57
16.0	16.1	19.757	33.425	19.754	23.625	23.626	27.962	23.696	1519.1	426.334	1.48	-5.12
18.0	18.2	19.762	33.424	19.759	23.623	23.624	27.961	23.703	1519.1	426.559	1.48	10.87
20.0	20.2	19.755	33.432	19.751	23.631	23.632	27.968	23.719	1519.1	425.907	1.47	-8.26
22.0	22.2	19.760	33.428	19.756	23.627	23.628	27.964	23.724	1519.1	426.388	1.46	5.54
24.0	24.2	19.758	33.430	19.754	23.628	23.630	27.966	23.735	1519.1	426.267	1.45	1.17
26.0	26.2	19.758	33.430	19.754	23.629	23.630	27.966	23.744	1519.1	426.325	1.44	6.73
28.0	28.3	19.753	33.432	19.748	23.632	23.633	27.969	23.755	1519.1	426.116	1.43	6.60
30.0	30.3	19.744	33.432	19.739	23.634	23.636	27.972	23.767	1519.0	425.918	1.42	-15.69
35.0	35.3	19.709	33.369	19.702	23.595	23.597	27.934	23.750	1518.9	429.816	1.42	63.81
40.0	40.4	15.783	32.978	15.777	24.243	24.244	28.638	24.421	1506.8	368.015	1.39	71.52
45.0	45.4	13.851	33.496	13.845	25.057	25.058	29.479	25.259	1501.3	290.527	1.37	52.76
50.0	50.5	12.955	33.835	12.948	25.500	25.501	29.935	25.725	1498.7	248.440	1.36	24.39
60.0	60.5	12.224	33.896	12.216	25.690	25.691	30.137	25.960	1496.4	230.607	1.34	14.23
70.0	70.6	11.597	33.827	11.588	25.754	25.756	30.213	26.071	1494.1	224.647	1.32	14.88
80.0	80.7	11.355	33.861	11.345	25.824	25.826	30.287	26.187	1493.4	218.142	1.29	11.64
90.0	90.8	11.108	33.859	11.097	25.868	25.870	30.335	26.275	1492.5	214.226	1.27	3.24
100.0	100.9	10.910	33.817	10.898	25.871	25.873	30.343	26.324	1491.8	214.094	1.25	9.13
120.0	121.1	10.644	33.825	10.630	25.924	25.927	30.401	26.468	1490.9	209.429	1.23	13.91
140.0	141.3	10.528	33.957	10.511	26.048	26.050	30.526	26.683	1490.7	198.125	1.18	13.66
160.0	161.5	10.112	34.018	10.094	26.166	26.169	30.653	26.893	1489.3	187.163	1.14	10.49
180.0	181.7	9.941	34.070	9.921	26.236	26.240	30.726	27.054	1488.8	180.865	1.10	5.65
200.0	201.9	9.764	34.058	9.741	26.257	26.260	30.750	27.166	1488.2	179.281	1.07	9.08
225.0	227.1	9.256	34.035	9.231	26.322	26.326	30.826	27.347	1486.3	173.355	1.03	6.82
250.0	252.4	9.025	34.035	8.998	26.359	26.363	30.868	27.498	1485.5	170.211	.98	6.83
275.0	277.6	8.595	33.996	8.566	26.396	26.400	30.914	27.651	1483.9	166.943	.94	5.77
300.0	302.9	8.304	33.973	8.273	26.422	26.427	30.947	27.793	1482.8	164.714	.90	8.43
325.0	328.1	8.056	33.998	8.023	26.479	26.484	31.008	27.965	1482.0	159.641	.86	6.09
350.0	353.4	7.824	33.992	7.790	26.508	26.513	31.042	28.109	1481.1	157.115	.81	5.28
375.0	378.7	7.733	34.003	7.696	26.530	26.536	31.067	28.246	1480.8	155.357	.77	6.66
400.0	403.9	7.353	33.979	7.315	26.565	26.571	31.110	28.398	1479.4	152.129	.73	8.09
425.0	429.2	6.969	33.977	6.929	26.617	26.623	31.170	28.567	1477.9	147.276	.69	2.78
450.0	454.5	6.642	33.928	6.601	26.623	26.628	31.183	28.690	1476.7	146.768	.66	10.53
475.0	479.7	6.276	33.979	6.234	26.711	26.716	31.279	28.896	1475.3	138.432	.62	5.12
500.0	505.0	6.054	33.969	6.010	26.732	26.737	31.305	29.033	1474.5	136.567	.58	6.76
525.0	530.3	5.812	33.977	5.767	26.768	26.773	31.347	29.186	1473.6	133.199	.55	6.73
550.0	555.6	5.541	33.980	5.495	26.803	26.809	31.389	29.340	1472.5	129.801	.51	6.29
575.0	580.9	5.364	33.993	5.316	26.835	26.840	31.424	29.488	1471.9	126.912	.48	6.46
600.0	606.2	5.135	34.001	5.086	26.868	26.873	31.462	29.639	1471.0	123.777	.45	6.86
650.0	656.7	4.728	34.037	4.677	26.942	26.948	31.546	29.948	1469.5	116.705	.42	6.91
700.0	707.3	4.377	34.084	4.324	27.018	27.024	31.630	30.258	1468.2	109.527	.35	5.50
750.0	758.0	4.161	34.116	4.106	27.066	27.072	31.683	30.539	1467.4	105.119	.30	5.50
800.0	808.6	3.973	34.151	3.914	27.114	27.120	31.735	30.820	1466.7	100.719	.24	5.77
850.0	859.2	3.785	34.194	3.724	27.167	27.173	31.793	31.106	1466.1	95.822	.19	4.77
900.0	909.9	3.635	34.220	3.571	27.202	27.209	31.832	31.375	1465.6	92.533	.14	5.12
950.0	960.5	3.491	34.254	3.423	27.244	27.250	31.878	31.649	1465.1	88.717	.09	4.70
1000.0	1011.2	3.354	34.282	3.284	27.279	27.285	31.916	31.916	1464.6	85.496	.00	10.82



STATION 29

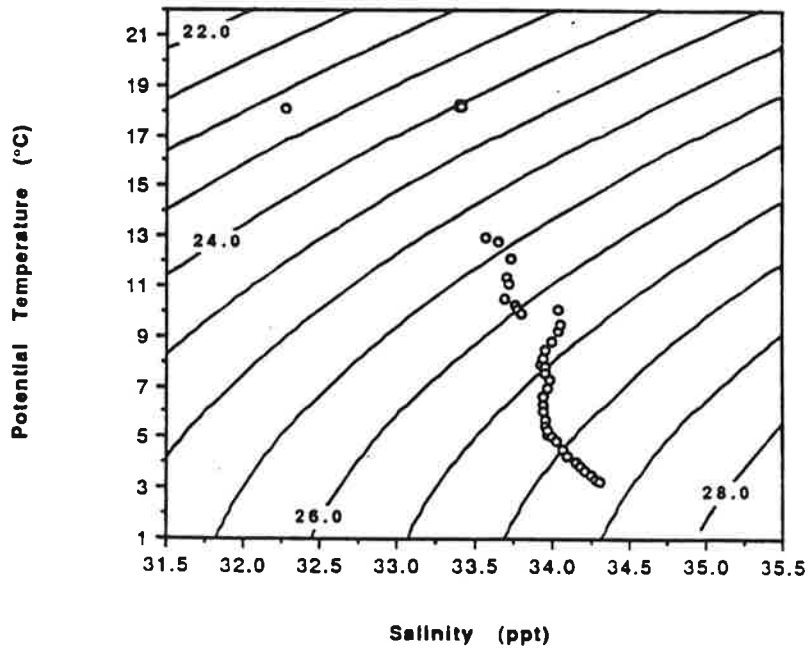
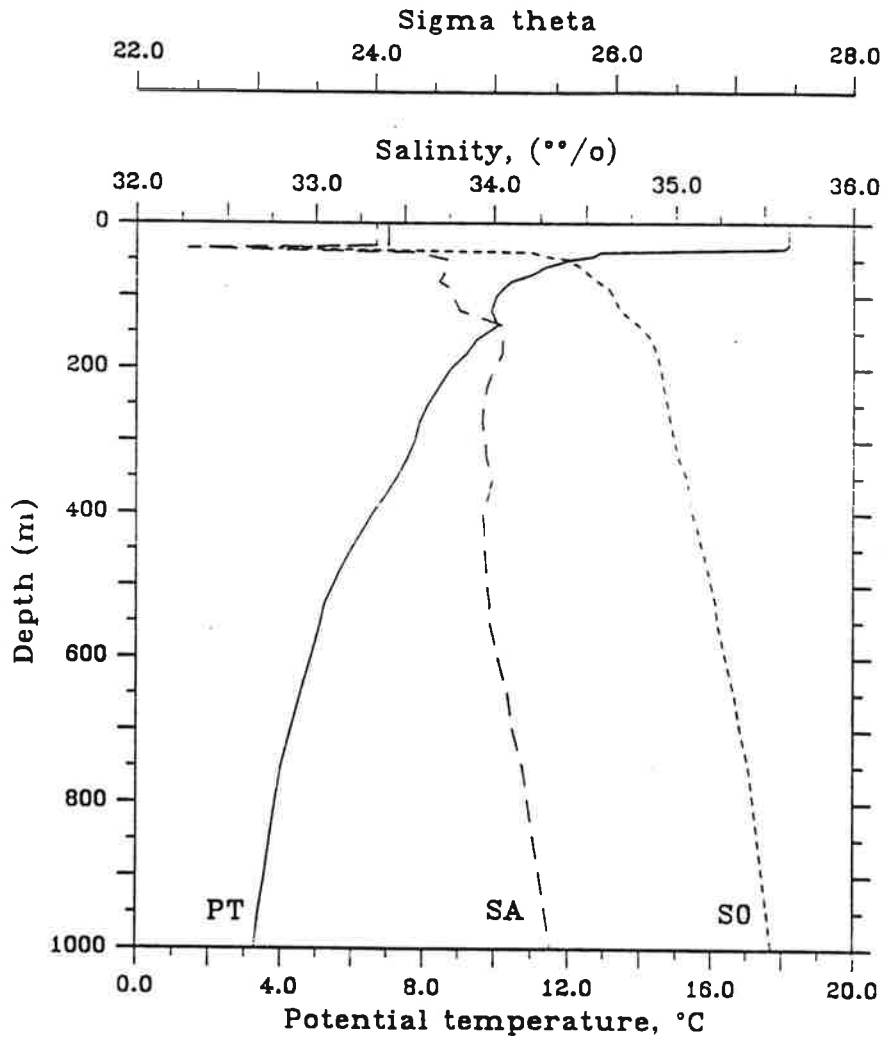


## STATION 36

LATITUDE: 40.0583 N LONGITUDE: 157.2139 W DATE: 8 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	18.836	33.517	18.836	23.930	23.930	28.278	23.930	1516.5	396.689	1.61	.00
2.0	2.0	18.836	33.517	18.836	23.930	23.931	28.278	23.939	1516.5	396.753	1.57	.39
4.0	4.0	18.836	33.517	18.835	23.930	23.931	28.278	23.948	1516.5	396.816	1.57	.39
6.0	6.1	18.836	33.517	18.835	23.930	23.931	28.278	23.957	1516.5	396.880	1.56	-19.01
8.0	8.1	18.852	33.492	18.851	23.907	23.908	28.255	23.943	1516.5	399.139	1.55	4.35
.0	.0	18.851	33.485	18.851	23.903	23.903	28.250	23.903	1516.5	399.342	1.54	.00
2.0	2.0	18.851	33.485	18.851	23.903	23.903	28.250	23.911	1516.5	399.405	1.51	.39
4.0	4.0	18.851	33.485	18.850	23.903	23.903	28.250	23.920	1516.5	399.469	1.50	.39
6.0	6.1	18.851	33.485	18.850	23.903	23.903	28.250	23.929	1516.5	399.532	1.49	.39
8.0	8.1	18.851	33.485	18.850	23.903	23.903	28.250	23.938	1516.5	399.596	1.49	.39
10.0	10.1	18.851	33.485	18.849	23.903	23.903	28.251	23.947	1516.5	399.659	1.48	2.65
12.0	12.1	18.852	33.486	18.850	23.903	23.903	28.251	23.956	1516.5	399.681	1.47	-6.33
14.0	14.2	18.854	33.484	18.851	23.900	23.901	28.249	23.962	1516.6	399.989	1.46	8.57
16.0	16.2	18.849	33.488	18.847	23.905	23.906	28.253	23.976	1516.5	399.607	1.45	-4.36
18.0	18.2	18.850	33.487	18.847	23.904	23.905	28.252	23.984	1516.6	399.787	1.44	-1.17
20.0	20.2	18.851	33.487	18.847	23.904	23.905	28.252	23.992	1516.6	399.860	1.44	7.64
22.0	22.2	18.847	33.491	18.844	23.907	23.908	28.256	24.005	1516.6	399.570	1.43	.41
24.0	24.3	18.848	33.491	18.844	23.907	23.909	28.256	24.014	1516.6	399.633	1.42	-3.77
26.0	26.3	18.848	33.490	18.844	23.907	23.908	28.255	24.022	1516.6	399.784	1.41	-5.46
28.0	28.3	18.850	33.488	18.845	23.905	23.906	28.253	24.029	1516.6	400.029	1.40	5.83
30.0	30.3	18.847	33.489	18.841	23.907	23.908	28.256	24.040	1516.6	399.887	1.40	-4.05
35.0	35.4	18.842	33.484	18.836	23.904	23.906	28.253	24.059	1516.6	400.297	1.39	27.32
40.0	40.5	18.873	33.454	18.266	24.023	24.024	28.380	24.201	1514.9	389.109	1.37	38.72
45.0	45.5	16.174	33.118	16.167	24.261	24.263	28.650	24.462	1508.2	366.396	1.35	73.77
50.0	50.6	13.783	33.570	13.776	25.127	25.129	29.550	25.352	1501.2	383.921	1.33	32.87
60.0	60.7	12.501	33.684	12.493	25.472	25.473	29.915	25.742	1497.0	251.342	1.31	22.21
70.0	70.8	11.648	33.678	11.639	25.629	25.630	30.087	25.945	1494.1	236.549	1.28	19.89
80.0	80.9	10.955	33.678	10.946	25.755	25.756	30.226	26.117	1491.7	224.710	1.26	18.29
90.0	91.0	10.568	33.727	10.557	25.861	25.863	30.339	26.270	1490.4	214.738	1.24	13.68
100.0	101.1	10.413	33.770	10.402	25.921	25.923	30.402	26.375	1490.0	209.256	1.21	7.85
120.0	121.4	10.459	33.830	10.445	25.960	25.963	30.441	26.505	1490.2	205.959	1.19	13.46
140.0	141.6	10.180	33.916	10.163	26.076	26.079	30.561	26.712	1489.4	195.352	1.15	15.53
160.0	161.8	9.946	34.062	9.927	26.229	26.232	30.718	26.956	1488.7	181.131	1.11	11.49
180.0	182.1	9.398	34.054	9.379	26.313	26.317	30.813	27.133	1486.8	173.382	1.07	-3.52
200.0	202.3	9.083	33.979	9.062	26.305	26.309	30.812	27.217	1485.6	174.402	1.03	9.43
225.0	227.6	8.602	33.972	8.578	26.376	26.380	30.893	27.403	1483.8	167.959	1.00	8.32
250.0	252.9	8.193	33.963	8.168	26.431	26.435	30.957	27.574	1482.3	162.991	.95	4.18
275.0	278.2	7.752	33.897	7.725	26.445	26.448	30.980	27.704	1480.6	161.866	.91	6.30
300.0	303.6	7.813	33.949	7.784	26.476	26.481	31.010	27.850	1480.9	159.314	.87	7.60
325.0	328.9	7.649	33.977	7.617	26.522	26.527	31.060	28.011	1480.4	155.263	.83	7.82
350.0	354.2	7.424	33.998	7.390	26.571	26.576	31.113	28.175	1479.6	150.902	.79	6.39
375.0	379.5	7.117	33.985	7.082	26.603	26.608	31.152	28.323	1478.4	147.987	.75	6.31
400.0	404.8	6.774	33.965	6.738	26.635	26.639	31.191	28.472	1477.1	145.097	.71	5.75
425.0	430.2	6.471	33.947	6.433	26.661	26.666	31.224	28.615	1476.0	142.703	.67	7.34
450.0	455.5	6.194	33.956	6.155	26.703	26.708	31.273	28.775	1474.9	138.741	.64	7.03
475.0	480.8	5.893	33.958	5.853	26.742	26.748	31.319	28.931	1473.8	135.064	.60	6.74
500.0	506.2	5.667	33.968	5.625	26.778	26.783	31.360	29.084	1472.9	131.731	.57	7.82
525.0	531.5	5.433	33.994	5.390	26.827	26.832	31.414	29.250	1472.1	127.185	.53	6.25
550.0	556.8	5.217	34.000	5.173	26.858	26.863	31.450	29.398	1471.2	124.293	.50	6.92
575.0	582.2	5.048	34.024	5.002	26.896	26.901	31.492	29.553	1470.6	120.768	.47	4.61
600.0	607.5	4.903	34.024	4.856	26.913	26.918	31.512	29.686	1470.1	119.254	.44	6.59
650.0	658.2	4.587	34.067	4.537	26.981	26.987	31.588	29.989	1468.9	112.825	.41	5.73
700.0	709.0	4.340	34.098	4.287	27.034	27.039	31.646	30.274	1468.0	108.018	.35	5.36
750.0	759.7	4.117	34.126	4.062	27.079	27.085	31.697	30.553	1467.2	103.816	.29	5.88
800.0	810.4	3.943	34.173	3.884	27.134	27.140	31.756	30.841	1466.6	98.781	.24	5.08
850.0	861.2	3.762	34.201	3.700	27.175	27.181	31.801	31.115	1466.0	95.003	.19	5.68
900.0	911.9	3.581	34.243	3.517	27.226	27.232	31.857	31.399	1465.4	90.236	.14	4.84
950.0	962.7	3.426	34.270	3.359	27.263	27.269	31.898	31.669	1464.8	86.798	.09	4.80
1000.0	1013.5	3.286	34.299	3.217	27.299	27.306	31.938	31.938	1464.3	83.430	.00	10.73

## STATION 36

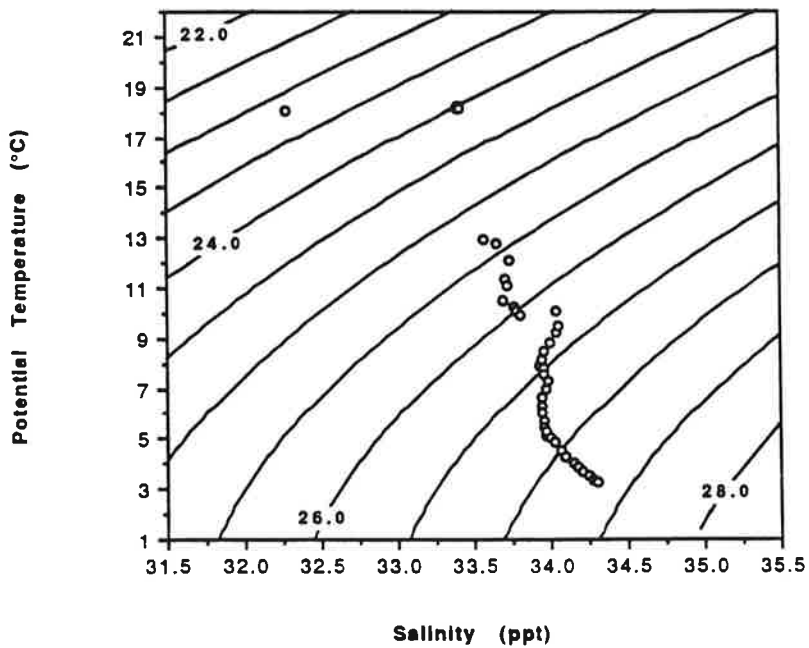
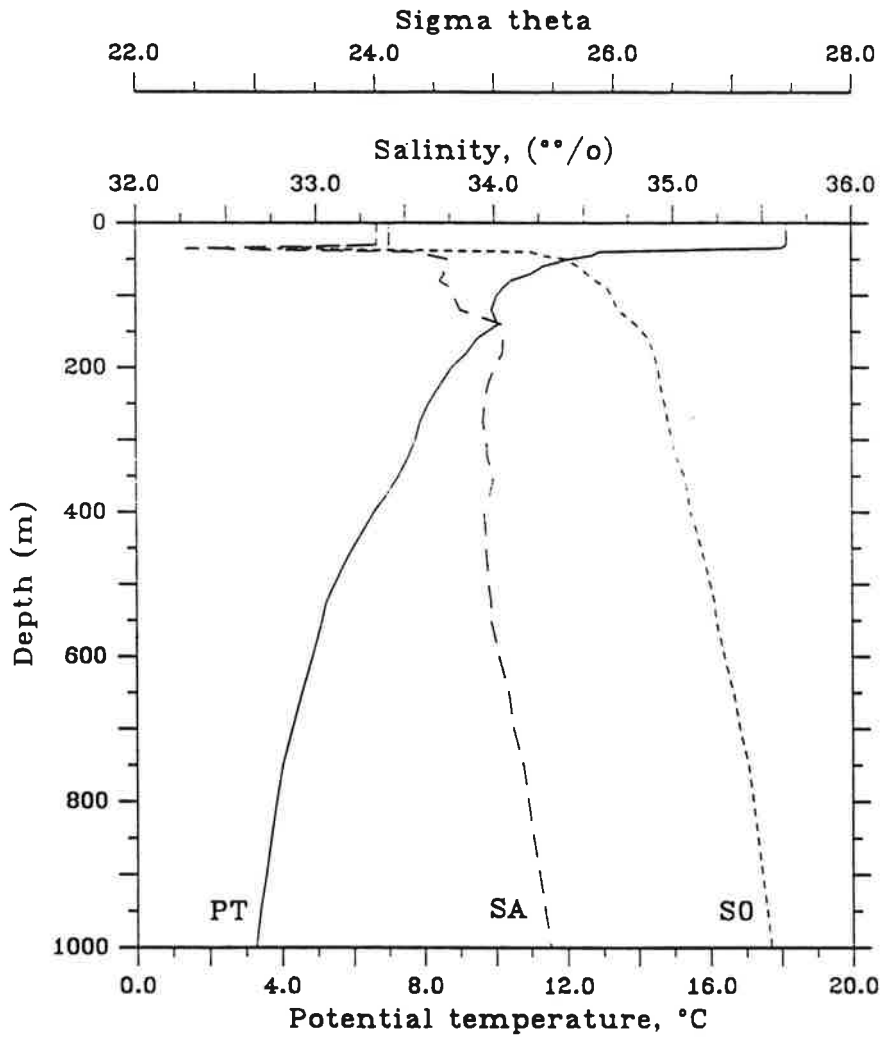


## STATION 38

LATITUDE: 39.9844 N LONGITUDE: 157.9867 W DATE: 9 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	18.176	33.409	18.176	24.012	24.012	28.369	24.012	1514.5	388.887	1.50	.00
2.0	2.0	18.176	33.409	18.176	24.012	24.012	28.369	24.021	1514.5	388.948	1.47	.34
4.0	4.0	18.176	33.409	18.175	24.012	24.012	28.369	24.030	1514.5	389.010	1.47	.34
6.0	6.0	18.176	33.409	18.175	24.012	24.013	28.369	24.039	1514.5	389.072	1.46	.34
8.0	8.1	18.176	33.409	18.174	24.012	24.013	28.369	24.048	1514.5	389.134	1.45	.34
10.0	10.1	18.176	33.409	18.174	24.012	24.013	28.369	24.057	1514.5	389.196	1.44	.34
12.0	12.1	18.176	33.409	18.174	24.012	24.013	28.370	24.066	1514.5	389.258	1.43	-4.48
14.0	14.1	18.177	33.408	18.175	24.011	24.011	28.368	24.073	1514.5	389.442	1.43	5.52
16.0	16.1	18.174	33.410	18.171	24.013	24.013	28.371	24.084	1514.5	389.320	1.42	6.24
18.0	18.1	18.174	33.413	18.171	24.015	24.016	28.373	24.095	1514.5	389.146	1.41	-8.06
20.0	20.1	18.183	33.410	18.180	24.011	24.012	28.369	24.100	1514.5	389.603	1.40	-4.91
22.0	22.1	18.188	33.410	18.184	24.010	24.010	28.367	24.107	1514.6	389.812	1.39	4.29
24.0	24.2	18.184	33.410	18.180	24.011	24.012	28.369	24.117	1514.5	389.763	1.39	-3.82
26.0	26.2	18.184	33.409	18.180	24.010	24.011	28.368	24.125	1514.6	389.914	1.38	-3.12
28.0	28.2	18.185	33.409	18.181	24.009	24.010	28.367	24.134	1514.6	390.036	1.37	6.30
30.0	30.2	18.182	33.411	18.177	24.012	24.013	28.370	24.145	1514.6	389.857	1.36	-72.17
35.0	35.2	18.028	32.278	18.022	23.183	23.184	27.550	23.338	1512.8	469.080	1.35	115.62
40.0	40.3	12.905	33.575	12.899	25.308	25.309	29.745	25.489	1498.2	266.414	1.33	23.96
45.0	45.3	12.733	33.649	12.727	25.400	25.401	29.839	25.603	1497.8	257.829	1.31	35.17
50.0	50.3	12.079	33.741	12.073	25.597	25.598	30.047	25.823	1495.7	239.169	1.30	18.12
60.0	60.4	11.370	33.706	11.363	25.701	25.703	30.164	25.973	1493.2	229.395	1.29	14.99
70.0	70.5	11.047	33.723	11.038	25.773	25.774	30.242	26.090	1492.1	222.779	1.26	15.72
80.0	80.5	10.468	33.693	10.459	25.852	25.853	30.332	26.215	1490.0	215.439	1.24	17.03
90.0	90.6	10.242	33.761	10.232	25.944	25.946	30.428	26.353	1489.3	206.837	1.22	10.77
100.0	100.7	10.071	33.771	10.060	25.981	25.983	30.468	26.436	1488.7	203.504	1.20	9.29
120.0	120.8	9.918	33.809	9.905	26.036	26.038	30.526	26.582	1488.3	198.661	1.18	15.27
140.0	140.9	10.114	34.041	10.097	26.185	26.187	30.670	26.820	1489.3	185.024	1.13	12.90
160.0	161.1	9.517	34.049	9.499	26.291	26.294	30.788	27.019	1487.2	175.204	1.10	8.46
180.0	181.2	9.223	34.047	9.204	26.336	26.339	30.839	27.156	1486.1	171.174	1.06	7.00
200.0	201.3	8.796	34.000	8.775	26.367	26.371	30.879	27.280	1484.5	168.440	1.02	5.23
225.0	226.5	8.469	33.962	8.445	26.389	26.392	30.909	27.417	1483.3	166.691	.99	6.54
250.0	251.7	8.147	33.944	8.121	26.423	26.426	30.949	27.566	1482.1	163.752	.95	6.02
275.0	276.9	7.912	33.936	7.885	26.451	26.455	30.983	27.710	1481.3	161.318	.90	6.39
300.0	302.1	7.781	33.953	7.752	26.484	26.488	31.018	27.857	1480.8	158.574	.86	6.79
325.0	327.3	7.565	33.960	7.534	26.521	26.525	31.060	28.009	1480.1	155.369	.82	8.99
350.0	352.5	7.296	33.993	7.263	26.585	26.589	31.130	28.189	1479.1	149.501	.78	5.97
375.0	377.7	6.978	33.973	6.943	26.613	26.618	31.165	28.334	1477.9	146.964	.74	5.43
400.0	402.9	6.604	33.938	6.568	26.636	26.641	31.197	28.475	1476.4	144.813	.70	7.64
425.0	428.1	6.307	33.948	6.270	26.682	26.687	31.250	28.638	1475.3	140.522	.67	7.13
450.0	453.3	5.999	33.949	5.960	26.722	26.727	31.297	28.795	1474.1	136.747	.63	7.13
475.0	478.5	5.729	33.958	5.689	26.763	26.768	31.343	28.953	1473.1	132.984	.60	6.48
500.0	503.7	5.492	33.963	5.451	26.796	26.801	31.381	29.103	1472.2	129.887	.56	7.01
525.0	528.9	5.252	33.977	5.209	26.835	26.840	31.426	29.260	1471.3	126.221	.53	3.92
550.0	554.1	5.140	33.975	5.095	26.847	26.852	31.441	29.383	1470.9	125.212	.50	6.64
575.0	579.4	5.003	34.000	4.957	26.882	26.887	31.479	29.539	1470.4	122.009	.46	6.54
600.0	604.6	4.858	34.022	4.811	26.916	26.921	31.517	29.690	1469.9	118.881	.43	6.89
650.0	655.0	4.562	34.075	4.512	26.991	26.997	31.599	29.999	1468.8	111.870	.40	5.67
700.0	705.5	4.292	34.103	4.240	27.042	27.048	31.656	30.284	1467.8	107.129	.34	6.71
750.0	756.0	4.023	34.157	3.968	27.114	27.119	31.734	30.589	1466.9	100.410	.29	5.01
800.0	806.5	3.847	34.185	3.789	27.153	27.159	31.778	30.862	1466.2	96.777	.23	4.87
850.0	857.0	3.699	34.214	3.638	27.191	27.197	31.819	31.132	1465.7	93.364	.18	4.95
900.0	907.5	3.558	34.245	3.494	27.230	27.236	31.861	31.403	1465.3	89.822	.13	5.07
950.0	958.0	3.391	34.276	3.324	27.271	27.277	31.906	31.677	1464.7	86.017	.09	4.66
1000.0	1008.5	3.272	34.305	3.203	27.305	27.311	31.944	31.944	1464.3	82.877	.00	10.30

## STATION 38

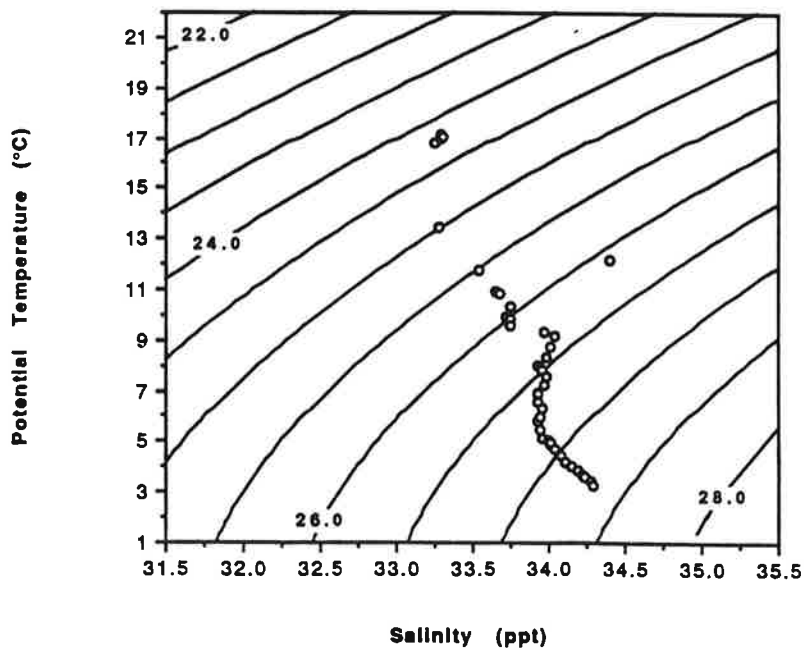
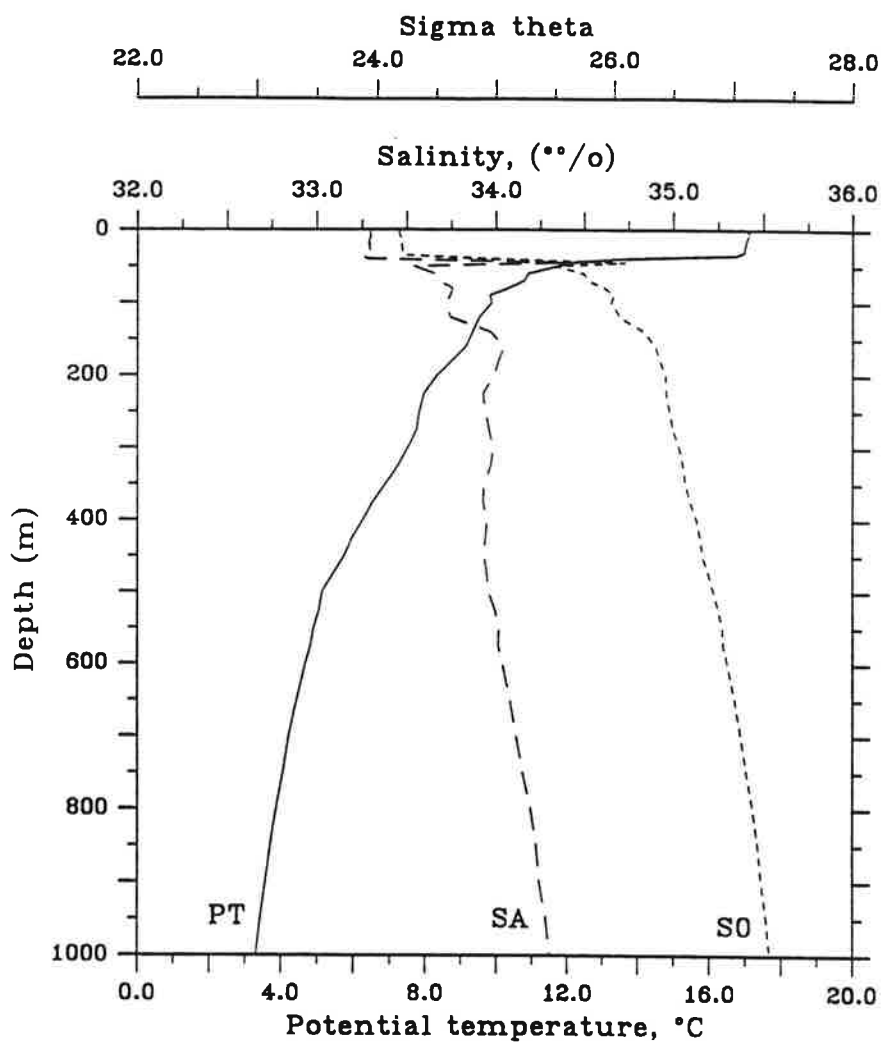


## STATION 46

LATITUDE: 42.0714 N LONGITUDE: 158.0408 W DATE: 9 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVDL	DYNH	BVAI
.0	.0	17.090	33.294	17.090	24.185	24.185	28.558	24.185	1511.1	372.376	1.46	.00
2.0	2.0	17.090	33.294	17.090	24.185	24.185	28.558	24.194	1511.1	372.435	1.44	.34
4.0	4.0	17.090	33.294	17.089	24.185	24.185	28.558	24.203	1511.1	372.494	1.43	.34
6.0	6.1	17.090	33.294	17.089	24.185	24.185	28.558	24.212	1511.1	372.553	1.42	.34
8.0	8.1	17.090	33.294	17.089	24.185	24.185	28.558	24.221	1511.1	372.612	1.41	14.68
10.0	10.1	17.060	33.303	17.059	24.199	24.199	28.572	24.244	1511.1	371.363	1.41	-10.54
12.0	12.1	17.051	33.291	17.049	24.192	24.192	28.566	24.245	1511.0	372.098	1.40	6.44
14.0	14.1	17.035	33.290	17.033	24.195	24.195	28.568	24.257	1511.0	371.905	1.39	8.18
16.0	16.2	17.018	33.290	17.016	24.199	24.199	28.573	24.270	1510.9	371.558	1.38	-4.44
18.0	18.2	17.010	33.286	17.008	24.198	24.198	28.572	24.278	1510.9	371.737	1.38	12.08
20.0	20.2	17.000	33.295	16.997	24.207	24.208	28.581	24.296	1510.9	370.911	1.37	-5.26
22.0	22.2	16.991	33.290	16.987	24.205	24.206	28.580	24.303	1510.9	371.138	1.36	6.86
24.0	24.2	16.989	33.293	16.985	24.208	24.209	28.583	24.315	1510.9	370.912	1.35	7.35
26.0	26.3	16.979	33.294	16.975	24.211	24.212	28.587	24.327	1510.8	370.643	1.35	-4.90
28.0	28.3	16.980	33.293	16.975	24.210	24.211	28.585	24.335	1510.8	370.849	1.34	-5.98
30.0	30.3	16.982	33.290	16.977	24.208	24.209	28.583	24.341	1510.9	371.125	1.33	10.96
35.0	35.3	16.753	33.246	16.748	24.227	24.228	28.606	24.383	1510.1	369.442	1.32	68.92
40.0	40.4	13.402	33.282	13.396	24.983	24.984	29.413	25.163	1499.5	297.411	1.30	83.44
45.0	45.4	12.169	34.400	12.163	26.092	26.093	30.536	26.295	1496.7	192.070	1.29	-60.38
50.0	50.5	11.712	33.541	11.706	25.510	25.511	29.968	25.736	1494.2	247.363	1.28	27.03
60.0	60.6	10.908	33.652	10.901	25.743	25.744	30.215	26.015	1491.5	225.384	1.26	11.29
70.0	70.7	10.798	33.679	10.789	25.784	25.785	30.257	26.101	1491.2	221.727	1.24	20.73
80.0	80.8	10.356	33.756	10.347	25.920	25.922	30.402	26.284	1489.7	208.874	1.22	15.88
90.0	90.9	9.830	33.745	9.819	26.001	26.003	30.493	26.410	1487.8	201.365	1.20	-9.61
100.0	101.0	9.886	33.719	9.875	25.971	25.973	30.462	26.426	1488.0	204.365	1.17	11.09
120.0	121.2	9.538	33.746	9.525	26.050	26.052	30.548	26.597	1486.8	197.246	1.15	17.97
140.0	141.4	9.343	33.969	9.328	26.256	26.258	30.757	26.894	1486.4	178.057	1.11	11.84
160.0	161.6	9.163	34.046	9.146	26.345	26.348	30.849	27.074	1485.9	169.923	1.07	7.82
180.0	181.9	8.762	34.014	8.743	26.384	26.387	30.897	27.206	1484.4	166.471	1.04	8.47
200.0	202.1	8.348	33.991	8.327	26.430	26.433	30.951	27.344	1482.9	162.347	1.00	2.66
225.0	227.4	7.982	33.928	7.959	26.435	26.438	30.965	27.465	1481.4	162.089	.97	6.01
250.0	252.6	7.854	33.941	7.829	26.464	26.467	30.996	27.608	1481.0	159.721	.93	5.91
275.0	277.9	7.775	33.961	7.748	26.492	26.495	31.026	27.751	1480.8	157.454	.89	8.22
300.0	303.2	7.526	33.984	7.497	26.545	26.549	31.085	27.920	1479.9	152.620	.85	6.15
325.0	328.5	7.243	33.971	7.212	26.575	26.580	31.121	28.066	1478.8	149.985	.81	4.97
350.0	353.8	6.893	33.935	6.861	26.595	26.599	31.149	28.202	1477.5	148.262	.77	7.20
375.0	379.1	6.543	33.928	6.510	26.636	26.640	31.197	28.360	1476.1	144.461	.73	8.26
400.0	404.3	6.271	33.951	6.236	26.690	26.694	31.257	28.531	1475.1	139.456	.69	6.07
425.0	429.6	5.974	33.940	5.938	26.719	26.723	31.293	28.677	1474.0	136.759	.66	5.21
450.0	454.9	5.756	33.933	5.718	26.740	26.745	31.320	28.816	1473.2	134.833	.62	7.91
475.0	480.2	5.448	33.949	5.409	26.790	26.794	31.376	28.983	1472.0	130.127	.59	7.26
500.0	505.5	5.146	33.957	5.106	26.831	26.836	31.425	29.142	1470.8	126.144	.55	7.06
525.0	530.9	5.059	33.994	5.018	26.871	26.876	31.466	29.298	1470.5	122.582	.52	6.51
550.0	556.2	4.906	34.014	4.863	26.905	26.910	31.504	29.448	1470.0	119.494	.49	2.95
575.0	581.5	4.824	34.011	4.779	26.912	26.917	31.513	29.571	1469.7	118.997	.46	6.70
600.0	606.8	4.674	34.035	4.628	26.947	26.952	31.552	29.724	1469.1	115.695	.43	6.12
650.0	657.4	4.439	34.078	4.390	27.007	27.012	31.616	30.016	1468.3	110.248	.40	5.67
700.0	708.1	4.219	34.112	4.167	27.058	27.063	31.673	30.300	1467.5	105.576	.34	5.36
750.0	758.7	4.061	34.149	4.006	27.103	27.109	31.722	30.578	1467.0	101.473	.29	5.85
800.0	809.4	3.873	34.193	3.815	27.157	27.163	31.781	30.865	1466.4	96.471	.23	5.09
850.0	860.1	3.707	34.224	3.647	27.198	27.204	31.826	31.139	1465.8	92.703	.18	4.18
900.0	910.8	3.568	34.241	3.504	27.226	27.232	31.857	31.399	1465.3	90.215	.14	5.16
950.0	961.5	3.430	34.277	3.363	27.268	27.274	31.903	31.674	1464.8	86.340	.09	4.28
1000.0	1012.2	3.303	34.298	3.233	27.297	27.304	31.935	31.935	1464.4	83.695	.00	10.17

## STATION 46



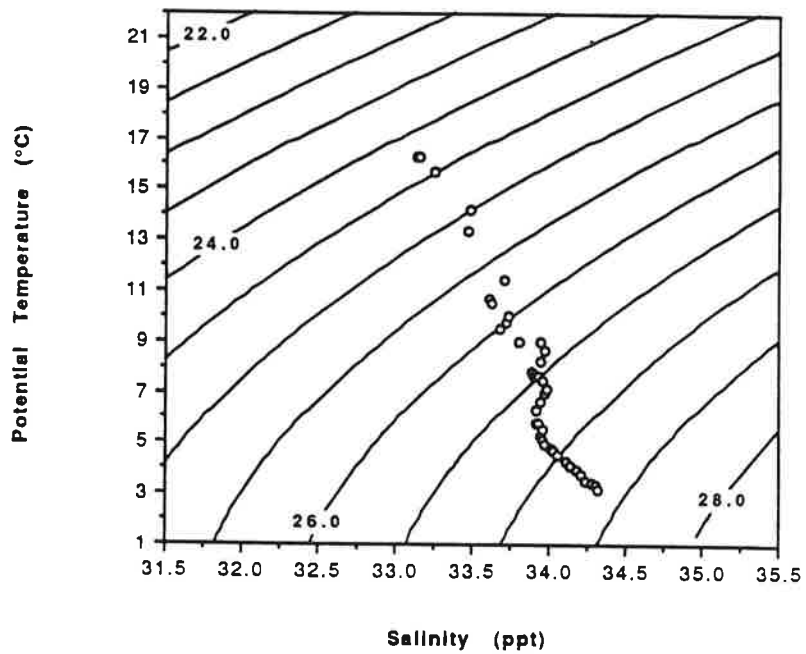
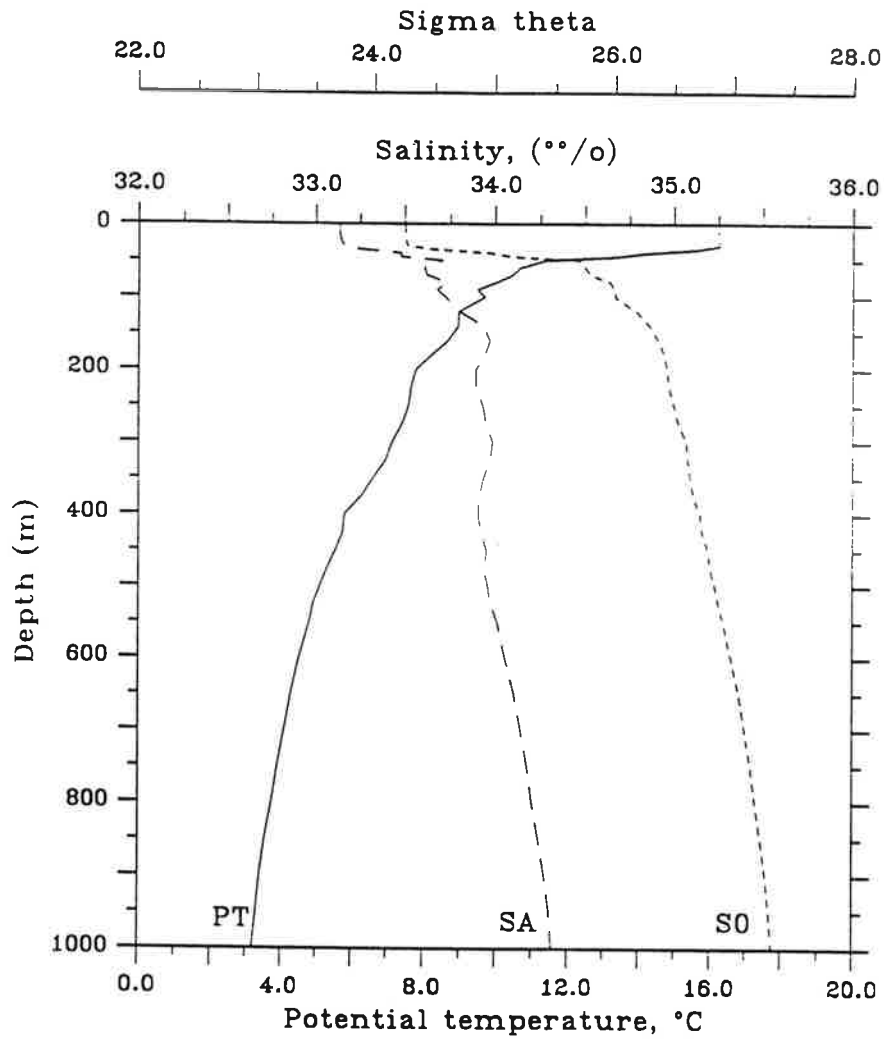
## STATION 47

LATITUDE: 42.3233 N LONGITUDE: 158.0258 W DATE: 10 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	16.254	33.133	16.254	24.255	24.255	28.641	24.255	1508.4	365.733	1.43	.00
2.0	2.0	16.254	33.133	16.254	24.255	24.255	28.641	24.264	1508.4	365.790	1.41	.33
4.0	4.0	16.254	33.133	16.254	24.255	24.255	28.641	24.273	1508.4	365.847	1.40	.33
6.0	6.0	16.254	33.133	16.253	24.255	24.255	28.641	24.282	1508.4	365.903	1.39	.33
8.0	8.1	16.254	33.133	16.253	24.255	24.255	28.641	24.291	1508.4	365.960	1.39	.33
10.0	10.1	16.254	33.133	16.253	24.255	24.255	28.641	24.300	1508.4	366.017	1.38	3.82
12.0	12.1	16.253	33.134	16.251	24.256	24.256	28.642	24.309	1508.4	365.986	1.37	-6.82
14.0	14.1	16.262	33.132	16.260	24.253	24.253	28.639	24.315	1508.5	366.325	1.36	8.12
16.0	16.1	16.257	33.136	16.254	24.257	24.258	28.643	24.329	1508.4	365.983	1.36	5.63
18.0	18.1	16.259	33.140	16.256	24.259	24.260	28.645	24.340	1508.5	365.848	1.35	-5.97
20.0	20.2	16.261	33.137	16.258	24.257	24.258	28.643	24.346	1508.5	366.122	1.34	8.22
22.0	22.2	16.255	33.141	16.252	24.261	24.262	28.647	24.359	1508.5	365.769	1.33	4.36
24.0	24.2	16.260	33.144	16.256	24.262	24.263	28.649	24.369	1508.5	365.711	1.33	4.29
26.0	26.2	16.270	33.149	16.266	24.264	24.264	28.650	24.380	1508.5	365.657	1.32	9.29
28.0	28.2	16.271	33.156	16.267	24.269	24.270	28.655	24.394	1508.5	365.191	1.31	-2.74
30.0	30.2	16.273	33.156	16.268	24.269	24.270	28.655	24.403	1508.5	365.294	1.30	36.72
35.0	35.3	15.658	33.255	15.653	24.483	24.484	28.878	24.640	1506.8	344.968	1.30	55.48
40.0	40.3	14.196	33.481	14.191	24.973	24.974	29.389	25.153	1502.4	298.380	1.28	32.42
45.0	45.3	13.370	33.478	13.363	25.140	25.142	29.570	25.343	1499.7	282.533	1.26	59.30
50.0	50.4	11.383	33.708	11.376	25.700	25.701	30.163	25.927	1493.2	229.258	1.25	12.24
60.0	60.5	10.684	33.608	10.677	25.748	25.749	30.224	26.021	1490.7	224.870	1.23	12.16
70.0	70.5	10.467	33.620	10.459	25.795	25.797	30.276	26.113	1489.9	220.578	1.21	22.52
80.0	80.6	10.028	33.731	10.018	25.957	25.958	30.445	26.321	1488.5	205.380	1.19	11.48
90.0	90.7	9.519	33.676	9.509	25.999	26.000	30.497	26.409	1486.6	201.514	1.17	2.43
100.0	100.8	9.728	33.723	9.717	26.001	26.002	30.495	26.456	1487.5	201.565	1.14	16.99
120.0	121.0	8.977	33.803	8.964	26.185	26.187	30.693	26.732	1484.8	184.335	1.12	12.96
140.0	141.1	8.967	33.938	8.952	26.292	26.294	30.800	26.931	1485.0	174.544	1.09	10.69
160.0	161.3	8.684	33.974	8.667	26.365	26.367	30.879	27.095	1484.0	167.924	1.05	8.75
180.0	181.4	8.229	33.947	8.211	26.413	26.416	30.937	27.237	1482.3	163.508	1.01	5.86
200.0	201.6	7.809	33.896	7.789	26.435	26.438	30.968	27.351	1480.7	161.618	.98	5.00
225.0	226.8	7.677	33.897	7.655	26.455	26.458	30.991	27.486	1480.2	160.079	.95	7.11
250.0	252.1	7.613	33.936	7.589	26.495	26.499	31.032	27.641	1480.1	156.635	.91	7.09
275.0	277.3	7.433	33.954	7.406	26.535	26.539	31.076	27.796	1479.5	153.151	.87	9.05
300.0	302.5	7.164	33.989	7.136	26.600	26.604	31.147	27.977	1478.5	147.210	.83	4.18
325.0	327.7	6.982	33.975	6.952	26.614	26.618	31.165	28.106	1477.8	146.152	.79	5.01
350.0	352.9	6.630	33.940	6.598	26.633	26.638	31.193	28.243	1476.5	144.383	.75	5.87
375.0	378.2	6.289	33.917	6.256	26.661	26.665	31.228	28.387	1475.1	141.879	.71	8.31
400.0	403.4	5.815	33.911	5.782	26.715	26.719	31.293	28.561	1473.3	136.633	.68	4.73
425.0	428.6	5.768	33.926	5.732	26.733	26.737	31.312	28.694	1473.2	135.209	.64	7.85
450.0	453.9	5.566	33.957	5.529	26.782	26.787	31.366	28.859	1472.4	130.695	.61	4.70
475.0	479.1	5.325	33.943	5.286	26.799	26.804	31.389	28.994	1471.5	129.092	.57	7.28
500.0	504.4	5.116	33.965	5.077	26.841	26.846	31.435	29.153	1470.7	125.173	.54	6.27
525.0	529.6	4.926	33.977	4.885	26.873	26.877	31.471	29.301	1470.0	122.280	.51	7.23
550.0	554.9	4.815	34.014	4.773	26.914	26.919	31.515	29.459	1469.6	118.490	.48	6.17
575.0	580.1	4.676	34.032	4.632	26.944	26.949	31.548	29.606	1469.1	115.717	.44	6.75
600.0	605.4	4.528	34.057	4.483	26.980	26.985	31.588	29.759	1468.6	112.364	.41	6.30
650.0	655.9	4.299	34.105	4.250	27.043	27.049	31.656	30.055	1467.8	106.586	.39	5.53
700.0	706.5	4.109	34.141	4.058	27.092	27.097	31.709	30.336	1467.1	102.176	.33	5.61
750.0	757.0	3.910	34.178	3.856	27.142	27.147	31.764	30.619	1466.4	97.586	.28	4.92
800.0	807.6	3.748	34.206	3.691	27.180	27.186	31.807	30.890	1465.8	94.096	.23	5.52
850.0	858.1	3.555	34.243	3.495	27.228	27.234	31.859	31.172	1465.2	89.591	.18	5.06
900.0	908.7	3.410	34.276	3.347	27.269	27.275	31.904	31.445	1464.7	85.870	.13	4.26
950.0	959.3	3.311	34.300	3.245	27.298	27.304	31.935	31.706	1464.4	83.320	.09	3.78
1000.0	1009.9	3.203	34.315	3.134	27.320	27.326	31.960	31.960	1464.0	81.306	.00	9.93



STATION 47

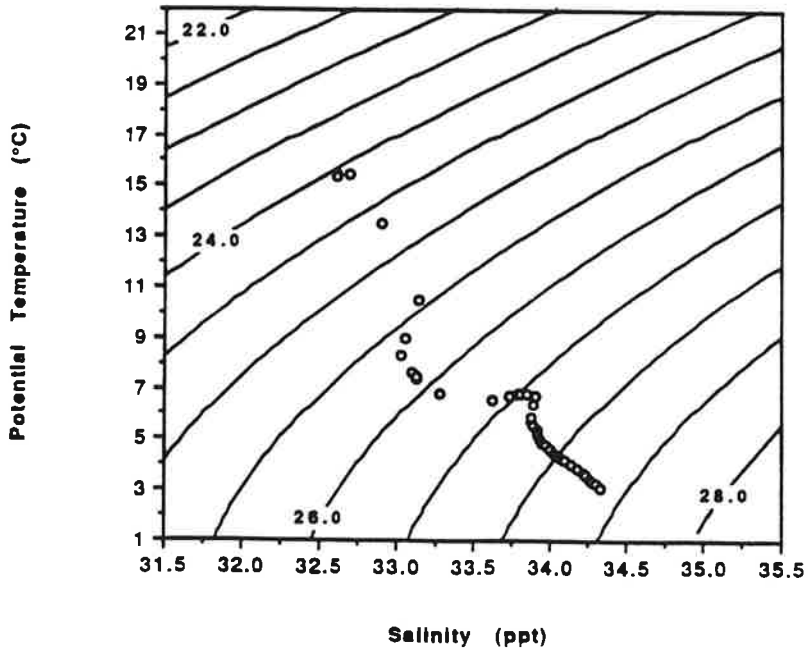
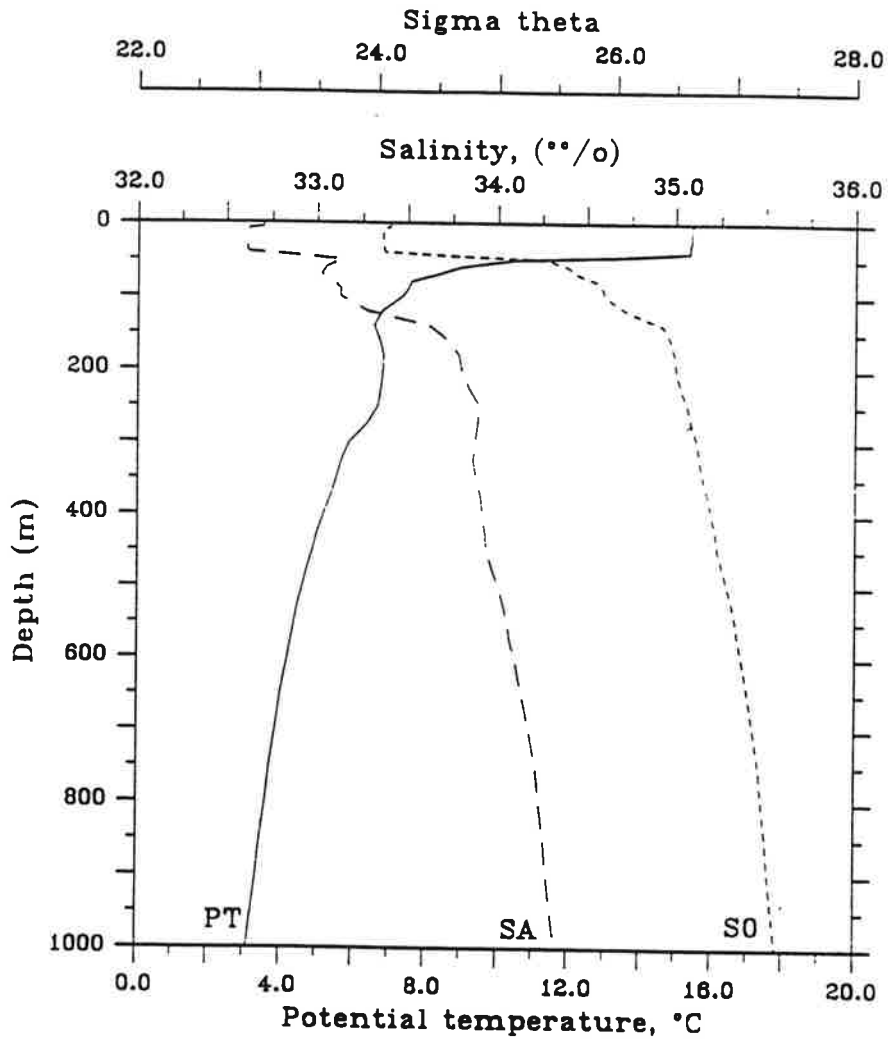


## STATION 54

LATITUDE: 43.7131 N LONGITUDE: 157.9814 W DATE: 10 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	15.452	32.700	15.452	24.102	24.102	28.502	24.102	1505.4	380.317	1.40	.00
2.0	2.0	15.452	32.700	15.451	24.102	24.102	28.502	24.111	1505.4	380.371	1.38	.32
4.0	4.0	15.452	32.700	15.451	24.102	24.102	28.502	24.120	1505.4	380.424	1.37	.32
6.0	6.0	15.452	32.700	15.451	24.102	24.102	28.502	24.129	1505.4	380.478	1.36	-30.76
8.0	8.1	15.435	32.617	15.434	24.042	24.042	28.443	24.078	1505.3	386.274	1.35	.32
10.0	10.1	15.435	32.617	15.433	24.042	24.042	28.443	24.087	1505.3	386.327	1.34	.32
12.0	12.1	15.435	32.617	15.433	24.042	24.042	28.443	24.096	1505.3	386.380	1.34	3.49
14.0	14.1	15.430	32.617	15.428	24.042	24.043	28.444	24.105	1505.3	386.361	1.33	-9.37
16.0	16.1	15.438	32.612	15.436	24.037	24.038	28.439	24.109	1505.3	386.948	1.32	7.60
18.0	18.1	15.436	32.616	15.433	24.041	24.041	28.442	24.121	1505.3	386.651	1.31	3.57
20.0	20.2	15.435	32.617	15.432	24.041	24.042	28.443	24.131	1505.3	386.628	1.31	-6.83
22.0	22.2	15.437	32.613	15.433	24.038	24.039	28.440	24.137	1505.3	386.966	1.30	-3.89
24.0	24.2	15.433	32.611	15.429	24.038	24.038	28.439	24.145	1505.3	387.111	1.29	9.72
26.0	26.2	15.420	32.615	15.416	24.044	24.044	28.446	24.160	1505.3	386.591	1.28	10.02
28.0	28.2	15.400	32.618	15.396	24.050	24.051	28.452	24.175	1505.2	386.035	1.27	-4.76
30.0	30.2	15.401	32.616	15.396	24.049	24.049	28.451	24.183	1505.2	386.227	1.27	-3.32
35.0	35.3	15.384	32.609	15.379	24.047	24.048	28.450	24.203	1505.2	386.528	1.26	7.67
40.0	40.3	15.370	32.617	15.364	24.056	24.057	28.459	24.235	1505.1	385.770	1.24	62.04
45.0	45.4	13.519	32.906	13.513	24.669	24.670	29.100	24.871	1499.5	327.440	1.22	68.64
50.0	50.4	10.473	33.138	10.467	25.419	25.420	29.902	25.646	1489.3	255.948	1.20	23.52
60.0	60.5	8.982	33.050	8.976	25.595	25.596	30.107	25.869	1483.8	239.233	1.19	15.43
70.0	70.6	8.348	33.023	8.341	25.670	25.671	30.196	25.991	1481.4	232.113	1.16	22.61
80.0	80.7	7.596	33.091	7.588	25.833	25.834	30.374	26.201	1478.7	216.694	1.14	11.71
90.0	90.8	7.508	33.131	7.499	25.877	25.878	30.420	26.291	1478.4	212.678	1.11	7.88
100.0	100.9	7.350	33.128	7.340	25.897	25.898	30.443	26.357	1477.8	210.917	1.09	17.22
120.0	121.0	6.797	33.273	6.787	26.086	26.087	30.643	26.639	1475.9	193.146	1.07	21.88
140.0	141.2	6.568	33.622	6.556	26.391	26.393	30.951	27.037	1475.5	164.435	1.03	10.00
160.0	161.4	6.727	33.729	6.713	26.455	26.457	31.011	27.192	1476.3	158.715	.99	7.07
180.0	181.6	6.827	33.787	6.811	26.487	26.489	31.041	27.315	1476.8	156.007	.96	4.59
200.0	201.8	6.814	33.802	6.796	26.500	26.503	31.055	27.421	1476.8	155.011	.93	7.07
225.0	227.0	6.763	33.843	6.742	26.540	26.543	31.095	27.576	1476.7	151.570	.90	8.44
250.0	252.2	6.686	33.902	6.663	26.597	26.600	31.154	27.747	1476.5	146.516	.86	6.34
275.0	277.5	6.381	33.892	6.357	26.628	26.632	31.192	27.896	1475.3	143.666	.82	7.96
300.0	302.7	5.896	33.877	5.870	26.679	26.682	31.254	28.064	1473.4	138.933	.78	4.89
325.0	327.9	5.683	33.868	5.656	26.698	26.701	31.278	28.199	1472.6	137.296	.75	6.04
350.0	353.2	5.547	33.884	5.519	26.727	26.730	31.310	28.344	1472.1	134.746	.71	7.07
375.0	378.4	5.389	33.910	5.359	26.767	26.770	31.353	28.500	1471.5	131.152	.68	6.05
400.0	403.7	5.194	33.918	5.162	26.795	26.799	31.387	28.646	1470.8	128.516	.64	6.26
425.0	429.0	5.023	33.933	4.989	26.826	26.830	31.422	28.794	1470.2	125.688	.61	5.24
450.0	454.2	4.896	33.942	4.861	26.848	26.852	31.447	28.932	1469.7	123.768	.58	7.11
475.0	479.5	4.739	33.971	4.703	26.889	26.893	31.491	29.089	1469.1	120.066	.54	7.15
500.0	504.7	4.620	34.005	4.582	26.929	26.933	31.534	29.246	1468.7	116.348	.51	6.99
525.0	530.0	4.479	34.035	4.439	26.968	26.972	31.576	29.401	1468.2	112.767	.48	5.89
550.0	555.3	4.384	34.056	4.343	26.996	27.000	31.606	29.546	1467.9	110.287	.45	5.19
575.0	580.5	4.293	34.071	4.250	27.017	27.021	31.629	29.683	1467.6	108.387	.43	6.19
600.0	605.8	4.209	34.098	4.165	27.047	27.052	31.662	29.830	1467.3	105.634	.40	5.74
650.0	656.4	4.013	34.139	3.966	27.100	27.105	31.719	30.115	1466.6	100.860	.37	5.39
700.0	707.0	3.875	34.179	3.825	27.146	27.151	31.768	30.394	1466.2	96.730	.32	5.46
750.0	757.5	3.717	34.219	3.664	27.193	27.198	31.820	30.674	1465.7	92.421	.27	4.15
800.0	808.1	3.599	34.238	3.542	27.221	27.226	31.850	30.933	1465.3	90.033	.22	4.70
850.0	858.7	3.455	34.264	3.396	27.256	27.261	31.889	31.201	1464.8	86.848	.17	3.84
900.0	909.4	3.358	34.282	3.295	27.279	27.285	31.915	31.456	1464.5	84.826	.13	4.42
950.0	960.0	3.234	34.306	3.168	27.310	27.316	31.949	31.719	1464.1	82.009	.08	4.61
1000.0	1010.6	3.110	34.334	3.042	27.343	27.350	31.986	31.986	1463.6	78.908	.00	9.86

STATION 54

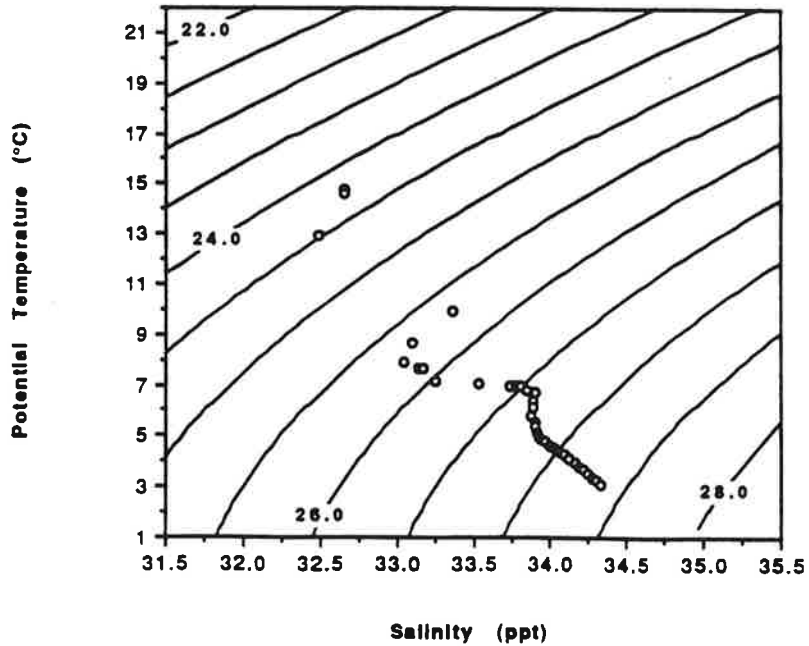
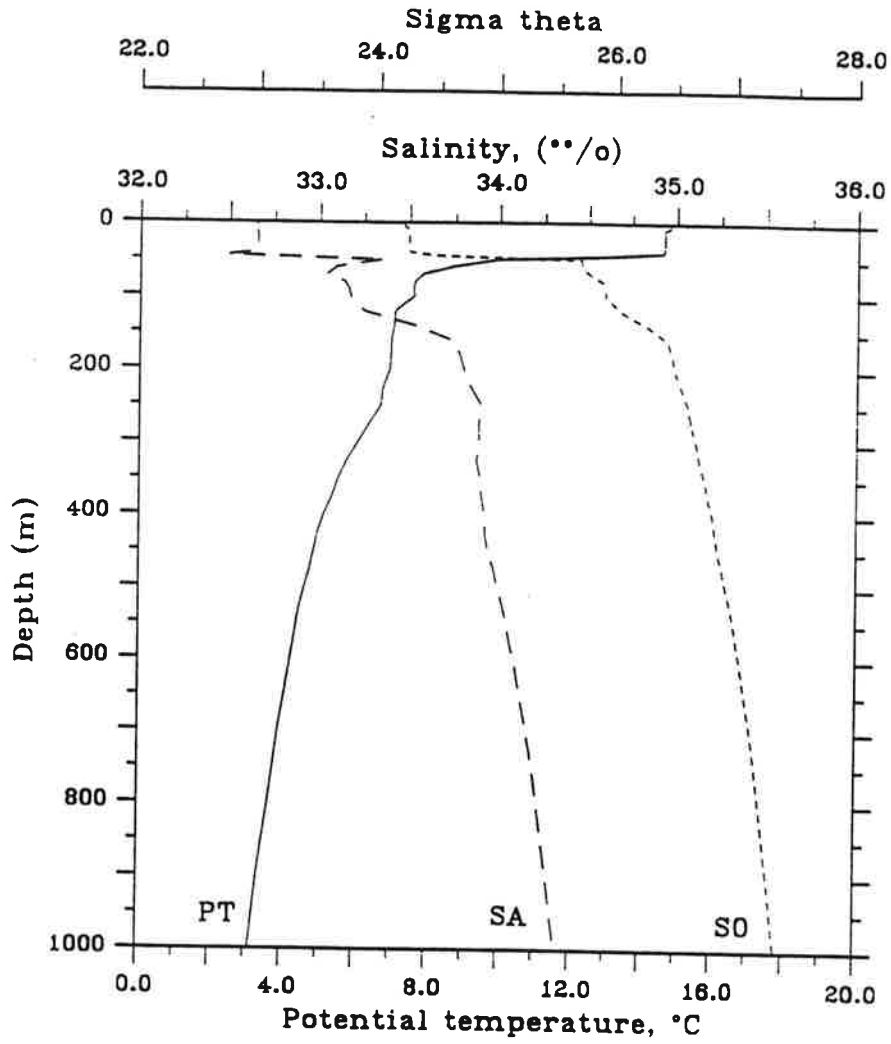


## STATION 55

LATITUDE: 44.0072 N LONGITUDE: 158.0044 W DATE: 10 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	14.804	32.649	14.804	24.202	24.202	28.613	24.202	1503.3	370.737	1.40	.00
2.0	2.0	14.804	32.649	14.804	24.202	24.202	28.613	24.211	1503.3	370.789	1.38	.32
4.0	4.0	14.804	32.649	14.804	24.202	24.203	28.613	24.221	1503.3	370.840	1.37	.32
6.0	6.1	14.804	32.649	14.804	24.202	24.203	28.613	24.229	1503.3	370.892	1.36	23.04
8.0	8.1	14.649	32.650	14.648	24.236	24.237	28.650	24.272	1502.8	367.722	1.36	.32
10.0	10.1	14.649	32.650	14.647	24.236	24.237	28.650	24.281	1502.8	367.773	1.35	.32
12.0	12.1	14.649	32.650	14.647	24.236	24.237	28.650	24.290	1502.8	367.825	1.34	3.25
14.0	14.2	14.647	32.650	14.645	24.237	24.237	28.650	24.300	1502.8	367.813	1.33	7.84
16.0	16.2	14.649	32.656	14.647	24.241	24.241	28.654	24.313	1502.8	367.491	1.32	-5.48
18.0	18.2	14.650	32.653	14.647	24.239	24.240	28.652	24.320	1502.8	367.725	1.32	5.17
20.0	20.2	14.650	32.655	14.647	24.241	24.241	28.654	24.330	1502.8	367.615	1.31	-4.14
22.0	22.2	14.651	32.654	14.648	24.240	24.240	28.653	24.338	1502.9	367.771	1.30	-2.43
24.0	24.3	14.650	32.654	14.647	24.239	24.240	28.653	24.347	1502.9	367.859	1.29	1.95
26.0	26.3	14.651	32.654	14.647	24.239	24.240	28.653	24.356	1502.9	367.887	1.29	6.12
28.0	28.3	14.649	32.657	14.644	24.242	24.243	28.656	24.368	1502.9	367.712	1.28	3.44
30.0	30.3	14.647	32.657	14.642	24.243	24.243	28.656	24.377	1502.9	367.692	1.27	-2.37
35.0	35.4	14.644	32.655	14.639	24.242	24.243	28.656	24.399	1502.9	367.907	1.26	4.91
40.0	40.5	14.622	32.654	14.616	24.245	24.247	28.660	24.425	1502.8	367.670	1.25	37.55
45.0	45.5	12.902	32.491	12.896	24.470	24.471	28.914	24.673	1497.0	346.299	1.23	87.27
50.0	50.6	9.922	33.356	9.916	25.682	25.683	30.174	25.910	1487.6	230.855	1.21	-1.38
60.0	60.7	8.638	33.093	8.632	25.681	25.682	30.201	25.956	1482.6	230.964	1.19	15.15
70.0	70.8	7.862	33.039	7.856	25.754	25.755	30.290	26.076	1479.6	224.083	1.17	18.27
80.0	80.9	7.644	33.135	7.637	25.861	25.862	30.400	26.228	1478.9	214.105	1.15	9.26
90.0	91.0	7.599	33.161	7.590	25.888	25.889	30.429	26.302	1478.8	211.650	1.13	3.14
100.0	101.1	7.632	33.172	7.623	25.891	25.893	30.431	26.351	1479.0	211.507	1.10	14.32
120.0	121.4	7.101	33.244	7.090	26.022	26.023	30.573	26.574	1477.0	199.285	1.08	18.85
140.0	141.6	7.071	33.526	7.058	26.248	26.250	30.798	26.893	1477.3	178.086	1.04	16.38
160.0	161.8	6.999	33.731	6.985	26.420	26.422	30.970	27.156	1477.3	162.140	1.00	7.77
180.0	182.1	6.987	33.778	6.970	26.458	26.460	31.008	27.286	1477.4	158.775	.97	5.53
200.0	202.3	6.969	33.800	6.951	26.478	26.480	31.029	27.397	1477.4	157.208	.93	8.64
225.0	227.6	6.790	33.844	6.769	26.537	26.540	31.092	27.572	1476.8	151.859	.90	8.39
250.0	252.9	6.726	33.905	6.704	26.593	26.596	31.149	27.743	1476.6	146.875	.86	6.02
275.0	278.2	6.407	33.888	6.383	26.622	26.625	31.185	27.889	1475.4	144.319	.82	7.41
300.0	303.6	6.088	33.891	6.062	26.665	26.669	31.236	28.049	1474.2	140.320	.79	5.97
325.0	328.9	5.773	33.877	5.746	26.694	26.697	31.272	28.194	1472.9	137.741	.75	7.45
350.0	354.2	5.544	33.898	5.515	26.738	26.741	31.321	28.355	1472.1	133.694	.72	5.88
375.0	379.5	5.369	33.906	5.339	26.765	26.769	31.353	28.499	1471.4	131.249	.68	7.10
400.0	404.8	5.142	33.923	5.111	26.805	26.809	31.398	28.656	1470.6	127.552	.65	5.17
425.0	430.2	4.974	33.925	4.941	26.826	26.830	31.423	28.794	1469.9	125.661	.61	5.63
450.0	455.5	4.867	33.942	4.832	26.851	26.855	31.451	28.935	1469.6	123.439	.58	6.89
475.0	480.8	4.764	33.975	4.727	26.889	26.893	31.491	29.089	1469.2	120.021	.55	6.36
500.0	506.2	4.625	33.996	4.587	26.921	26.926	31.526	29.238	1468.7	117.085	.52	6.89
525.0	531.5	4.491	34.025	4.452	26.959	26.963	31.567	29.392	1468.3	113.617	.49	6.03
550.0	556.9	4.403	34.050	4.361	26.988	26.992	31.598	29.538	1468.0	111.017	.46	5.11
575.0	582.2	4.325	34.065	4.282	27.009	27.013	31.621	29.674	1467.7	109.193	.43	6.12
600.0	607.5	4.241	34.092	4.197	27.039	27.043	31.653	29.821	1467.4	106.503	.40	5.28
650.0	658.2	4.079	34.126	4.031	27.083	27.088	31.701	30.097	1466.9	102.550	.38	5.43
700.0	709.0	3.915	34.164	3.865	27.130	27.135	31.752	30.377	1466.3	98.312	.32	5.02
750.0	759.7	3.783	34.197	3.730	27.170	27.175	31.795	30.649	1465.9	94.749	.27	4.63
800.0	810.4	3.648	34.223	3.591	27.204	27.209	31.832	30.915	1465.5	91.707	.22	4.74
850.0	861.2	3.496	34.249	3.437	27.239	27.245	31.872	31.184	1464.9	88.456	.17	4.73
900.0	911.9	3.354	34.276	3.291	27.274	27.280	31.911	31.452	1464.4	85.215	.13	4.40
950.0	962.7	3.239	34.301	3.174	27.305	27.311	31.944	31.715	1464.1	82.439	.08	4.60
1000.0	1013.5	3.122	34.329	3.054	27.339	27.345	31.981	31.981	1463.7	79.371	.00	10.09

STATION 55

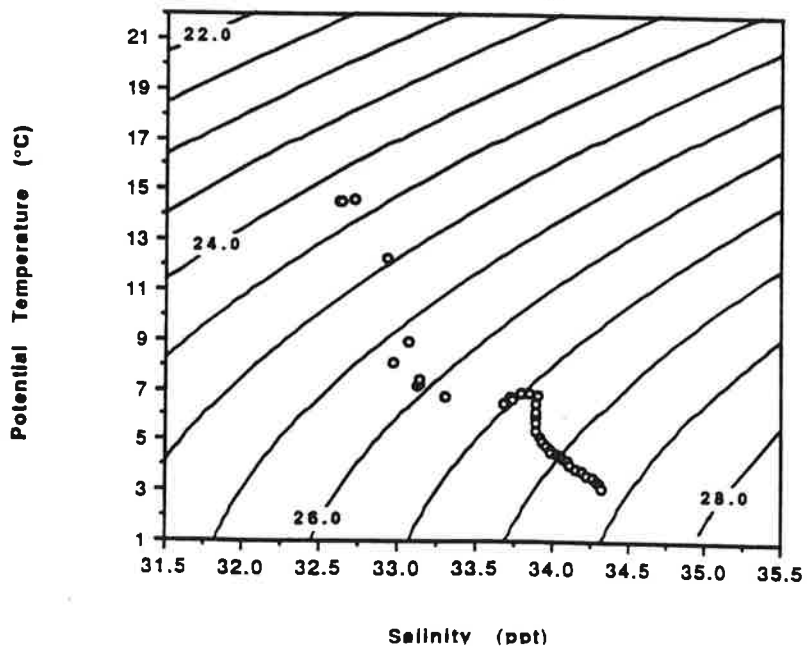
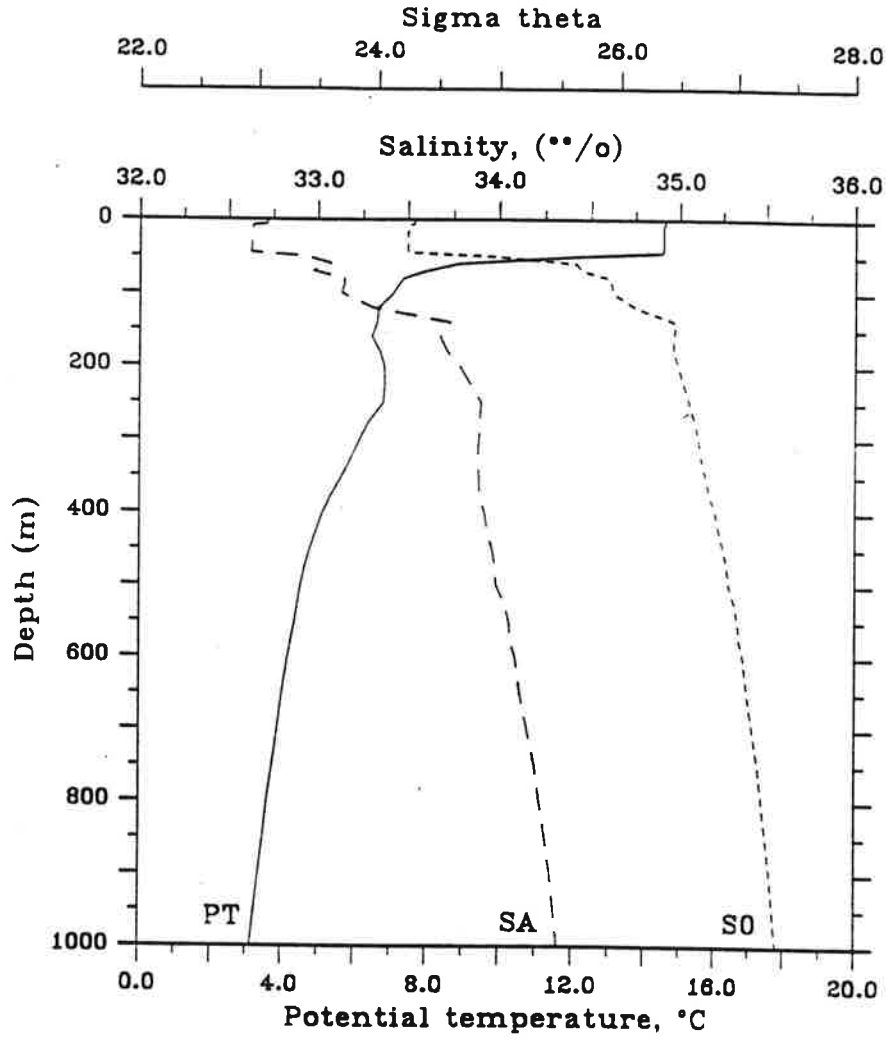


## STATION 57

LATITUDE: 44.4906 N LONGITUDE: 158.0097 W DATE: 11 OCT 1989

DEPTH	PRESS	TEMP	SAL	TNETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	14.568	32.716	14.568	24.305	24.305	28.719	24.305	1502.6	360.985	1.40	.00
2.0	2.0	14.568	32.716	14.567	24.305	24.305	28.719	24.314	1502.6	361.036	1.38	.32
4.0	4.0	14.568	32.716	14.567	24.305	24.305	28.719	24.323	1502.6	361.088	1.37	.32
6.0	6.1	14.568	32.716	14.567	24.305	24.305	28.719	24.332	1502.6	361.139	1.36	-29.24
8.0	8.1	14.523	32.633	14.521	24.250	24.251	28.666	24.286	1502.4	366.378	1.35	.32
10.0	10.1	14.523	32.633	14.521	24.250	24.251	28.666	24.295	1502.4	366.429	1.35	.32
12.0	12.1	14.523	32.633	14.521	24.250	24.251	28.666	24.304	1502.4	366.480	1.34	4.83
14.0	14.2	14.522	32.635	14.520	24.252	24.252	28.668	24.315	1502.4	366.390	1.33	4.03
16.0	16.2	14.523	32.636	14.520	24.253	24.253	28.669	24.325	1502.4	366.343	1.32	-12.77
18.0	18.2	14.523	32.623	14.520	24.242	24.243	28.658	24.323	1502.4	367.384	1.32	7.56
20.0	20.2	14.525	32.628	14.522	24.246	24.247	28.662	24.336	1502.4	367.090	1.31	-2.36
22.0	22.2	14.521	32.627	14.518	24.246	24.247	28.662	24.345	1502.4	367.175	1.30	-9.91
24.0	24.3	14.528	32.629	14.524	24.246	24.247	28.662	24.354	1502.4	367.232	1.29	4.06
26.0	26.3	14.524	32.629	14.520	24.247	24.248	28.663	24.364	1502.4	367.183	1.29	-5.33
28.0	28.3	14.527	32.627	14.523	24.245	24.246	28.661	24.371	1502.4	367.407	1.28	-5.19
30.0	30.3	14.529	32.626	14.525	24.243	24.244	28.659	24.378	1502.4	367.622	1.27	4.66
35.0	35.4	14.524	32.629	14.519	24.247	24.248	28.663	24.404	1502.4	367.421	1.26	-4.48
40.0	40.5	14.529	32.626	14.524	24.243	24.245	28.660	24.423	1502.5	367.855	1.24	5.55
45.0	45.5	14.497	32.624	14.491	24.248	24.250	28.665	24.450	1502.4	367.514	1.23	65.71
50.0	50.6	12.245	32.929	12.239	24.935	24.937	29.388	25.161	1495.3	302.039	1.21	46.56
60.0	60.7	8.899	33.073	8.893	25.626	25.627	30.140	25.900	1483.5	236.284	1.19	12.87
70.0	70.8	8.022	32.972	8.016	25.678	25.679	30.211	26.000	1480.2	231.328	1.16	26.66
80.0	80.9	7.382	33.144	7.375	25.905	25.906	30.450	26.273	1477.9	209.877	1.14	8.09
90.0	91.0	7.221	33.142	7.213	25.926	25.927	30.474	26.340	1477.3	208.014	1.12	4.70
100.0	101.1	7.094	33.129	7.085	25.933	25.934	30.484	26.393	1476.8	207.461	1.09	17.39
120.0	121.4	6.676	33.303	6.666	26.125	26.127	30.685	26.679	1475.5	189.349	1.07	23.21
140.0	141.6	6.641	33.733	6.628	26.469	26.471	31.027	27.114	1475.9	157.061	1.03	-6.33
160.0	161.8	6.499	33.677	6.485	26.443	26.445	31.005	27.181	1475.3	159.711	1.00	1.44
180.0	182.1	6.721	33.716	6.705	26.445	26.447	31.001	27.274	1476.3	159.933	.97	7.79
200.0	202.3	6.840	33.785	6.822	26.483	26.486	31.037	27.404	1476.8	156.593	.93	27.67
225.0	227.6	6.847	33.846	6.826	26.531	26.533	31.084	27.566	1477.0	152.515	.90	7.77
250.0	252.9	6.820	33.902	6.798	26.579	26.582	31.133	27.728	1477.0	148.306	.86	7.64
275.0	278.2	6.429	33.895	6.404	26.625	26.628	31.188	27.892	1475.5	144.051	.82	6.21
300.0	303.6	6.163	33.890	6.137	26.655	26.659	31.225	28.039	1474.5	141.325	.79	5.57
325.0	328.9	5.926	33.884	5.898	26.680	26.683	31.254	28.180	1473.6	139.156	.75	6.82
350.0	334.2	5.667	33.890	5.638	26.717	26.720	31.297	28.333	1472.6	135.774	.71	6.76
375.0	379.5	5.382	33.893	5.352	26.753	26.757	31.340	28.487	1471.5	132.409	.68	8.03
400.0	404.8	5.141	33.922	5.109	26.804	26.808	31.397	28.655	1470.6	127.637	.64	6.36
425.0	430.2	4.962	33.936	4.928	26.836	26.840	31.433	28.804	1469.9	124.704	.61	7.17
450.0	435.5	4.795	33.964	4.760	26.877	26.881	31.478	28.962	1469.3	120.945	.58	6.03
475.0	480.8	4.649	33.980	4.613	26.906	26.910	31.510	29.107	1468.8	118.314	.55	4.63
500.0	506.2	4.538	33.986	4.501	26.923	26.927	31.530	29.241	1468.4	116.829	.52	7.66
525.0	531.5	4.453	34.033	4.414	26.970	26.974	31.578	29.404	1468.1	112.568	.49	5.92
550.0	536.8	4.375	34.058	4.334	26.998	27.002	31.608	29.548	1467.9	110.077	.46	4.20
575.0	582.2	4.278	34.063	4.236	27.012	27.016	31.625	29.678	1467.5	108.866	.43	6.43
600.0	607.5	4.185	34.092	4.141	27.044	27.049	31.660	29.827	1467.2	105.868	.40	4.84
650.0	658.2	4.026	34.118	3.979	27.082	27.087	31.701	30.097	1466.7	102.570	.37	5.33
700.0	708.9	3.895	34.158	3.844	27.127	27.132	31.749	30.374	1466.2	98.546	.32	5.56
750.0	759.7	3.750	34.201	3.697	27.176	27.181	31.802	30.656	1465.8	94.100	.27	4.65
800.0	810.4	3.610	34.227	3.553	27.210	27.216	31.840	30.923	1465.3	91.019	.22	4.75
850.0	861.1	3.494	34.257	3.435	27.246	27.252	31.878	31.191	1464.9	87.820	.17	4.65
900.0	911.9	3.367	34.285	3.305	27.280	27.286	31.916	31.458	1464.5	84.709	.13	4.12
950.0	962.7	3.252	34.305	3.186	27.307	27.313	31.946	31.717	1464.1	82.299	.08	4.02
1000.0	1013.5	3.134	34.323	3.066	27.333	27.339	31.975	31.975	1463.7	79.978	.00	9.92

STATION 57



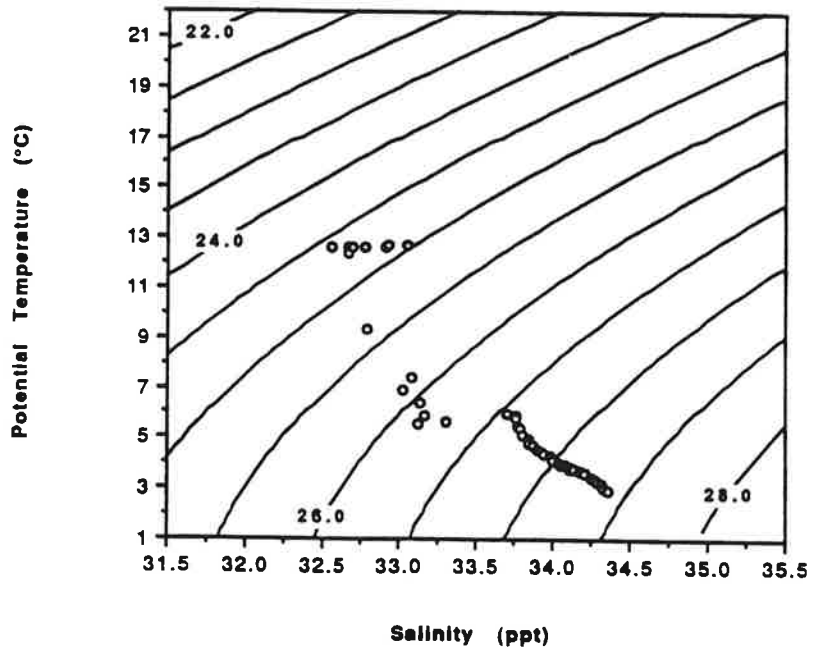
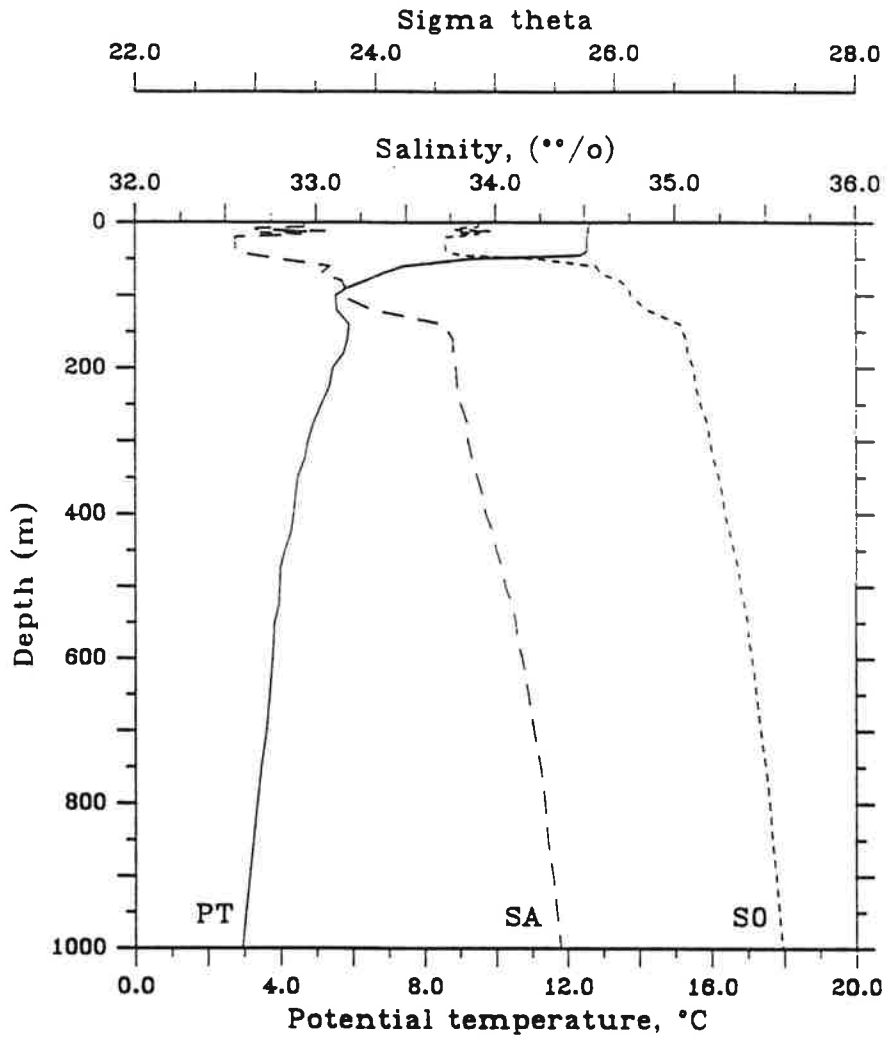
## STATION 64

LATITUDE: 45.7708 N LONGITUDE: 159.9222 W DATE: 11 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	12.646	32.935	12.646	24.863	24.863	29.308	24.863	1496.5	307.767	1.27	.00
2.0	2.0	12.646	32.935	12.646	24.863	24.864	29.308	24.872	1496.6	307.814	1.26	.28
4.0	4.0	12.646	32.935	12.646	24.863	24.864	29.308	24.882	1496.6	307.860	1.25	.28
6.0	6.0	12.646	32.935	12.645	24.863	24.864	29.308	24.891	1496.6	307.906	1.24	-56.20
8.0	8.1	12.594	32.663	12.592	24.662	24.663	29.109	24.698	1496.1	327.110	1.24	.28
10.0	10.1	12.594	32.663	12.592	24.662	24.663	29.109	24.707	1496.1	327.156	1.23	67.99
12.0	12.1	12.642	33.055	12.641	24.957	24.957	29.401	25.011	1496.7	299.171	1.22	-65.12
14.0	14.1	12.577	32.690	12.575	24.687	24.687	29.134	24.750	1496.0	324.939	1.22	52.80
16.0	16.1	12.586	32.921	12.584	24.864	24.865	29.310	24.936	1496.4	308.081	1.21	-42.92
18.0	18.1	12.595	32.772	12.593	24.747	24.747	29.193	24.828	1496.2	319.300	1.20	-50.67
20.0	20.1	12.570	32.555	12.567	24.583	24.584	29.032	24.674	1495.9	334.919	1.20	-4.63
22.0	22.1	12.572	32.553	12.569	24.582	24.582	29.030	24.681	1495.9	335.095	1.19	5.46
24.0	24.1	12.569	32.555	12.566	24.584	24.584	29.032	24.692	1495.9	334.959	1.18	4.84
26.0	26.2	12.568	32.557	12.564	24.585	24.586	29.034	24.703	1495.9	334.863	1.18	-4.41
28.0	28.2	12.567	32.555	12.563	24.584	24.585	29.032	24.710	1495.9	335.026	1.17	2.72
30.0	30.2	12.568	32.556	12.564	24.584	24.585	29.033	24.720	1495.9	335.027	1.16	2.99
35.0	35.2	12.567	32.557	12.563	24.586	24.587	29.035	24.744	1495.9	335.005	1.16	2.81
40.0	40.2	12.559	32.557	12.553	24.587	24.588	29.036	24.768	1495.9	334.998	1.14	27.93
45.0	45.3	12.356	32.667	12.350	24.711	24.712	29.163	24.915	1495.3	323.273	1.12	63.15
50.0	50.3	9.300	32.797	9.295	25.346	25.347	29.854	25.575	1484.7	262.710	1.11	39.72
60.0	60.4	7.410	33.078	7.404	25.849	25.850	30.393	26.125	1477.9	214.916	1.09	10.72
70.0	70.4	6.849	33.027	6.843	25.885	25.886	30.442	26.208	1475.7	211.507	1.07	22.09
80.0	80.5	6.369	33.145	6.362	26.041	26.042	30.608	26.410	1474.0	196.800	1.05	15.70
90.0	90.6	5.863	33.164	5.856	26.119	26.120	30.698	26.536	1472.0	189.371	1.02	6.24
100.0	100.6	5.544	33.132	5.536	26.132	26.133	30.717	26.596	1470.7	188.241	1.00	14.74
120.0	120.8	5.581	33.312	5.572	26.270	26.271	30.854	26.827	1471.1	175.327	.99	20.76
140.0	140.9	5.925	33.713	5.913	26.545	26.547	31.119	27.193	1473.0	149.616	.95	8.46
160.0	161.0	5.881	33.764	5.867	26.591	26.593	31.165	27.331	1473.0	145.520	.92	4.89
180.0	181.2	5.768	33.766	5.753	26.606	26.608	31.183	27.439	1472.5	144.279	.88	8.66
200.0	201.3	5.470	33.780	5.454	26.654	26.656	31.238	27.580	1471.4	139.865	.86	4.54
220.0	226.5	5.376	33.787	5.358	26.670	26.672	31.257	27.712	1471.1	138.553	.83	7.29
250.0	251.6	5.151	33.807	5.131	26.712	26.715	31.304	27.871	1470.2	134.706	.79	8.20
275.0	276.8	4.930	33.843	4.909	26.766	26.768	31.363	28.042	1469.4	129.782	.76	5.16
300.0	302.0	4.774	33.848	4.752	26.787	26.790	31.388	28.179	1468.8	127.932	.72	5.97
325.0	327.2	4.675	33.869	4.651	26.815	26.818	31.418	28.324	1468.5	125.432	.69	7.42
350.0	352.4	4.487	33.899	4.462	26.859	26.862	31.466	28.485	1467.8	121.386	.66	6.17
375.0	377.6	4.424	33.929	4.396	26.889	26.892	31.498	28.631	1467.6	118.701	.63	4.76
400.0	402.8	4.373	33.944	4.344	26.908	26.911	31.518	28.765	1467.5	117.185	.60	7.11
425.0	428.0	4.295	33.985	4.264	26.948	26.951	31.560	28.922	1467.2	113.542	.57	6.33
450.0	453.2	4.124	34.002	4.092	26.980	26.983	31.596	29.071	1466.6	110.595	.54	7.08
475.0	478.4	3.995	34.035	3.961	27.020	27.023	31.638	29.228	1466.1	106.914	.51	4.22
500.0	503.6	3.980	34.051	3.944	27.034	27.037	31.653	29.357	1466.1	105.772	.48	6.23
525.0	528.8	3.956	34.087	3.919	27.065	27.068	31.685	29.504	1466.1	103.037	.45	6.15
550.0	554.0	3.829	34.109	3.790	27.095	27.098	31.718	29.651	1465.7	100.257	.43	3.17
575.0	579.2	3.805	34.116	3.764	27.103	27.107	31.726	29.775	1465.6	99.675	.40	5.71
600.0	604.4	3.778	34.145	3.736	27.128	27.133	31.753	29.917	1465.6	97.396	.37	4.72
650.0	654.8	3.697	34.179	3.651	27.164	27.169	31.791	30.184	1465.4	94.349	.35	4.55
700.0	705.3	3.606	34.209	3.557	27.197	27.202	31.826	30.449	1465.1	91.501	.30	5.26
750.0	755.8	3.463	34.247	3.411	27.241	27.246	31.873	30.726	1464.6	87.506	.25	4.40
800.0	806.2	3.351	34.272	3.296	27.272	27.277	31.907	30.989	1464.3	84.779	.21	3.67
850.0	856.7	3.251	34.287	3.193	27.293	27.298	31.931	31.242	1463.9	82.938	.16	4.59
900.0	907.2	3.153	34.317	3.091	27.326	27.332	31.967	31.508	1463.6	79.948	.12	4.04
950.0	957.7	3.049	34.338	2.985	27.352	27.358	31.996	31.766	1463.3	77.635	.08	4.10
1000.0	1008.2	2.951	34.360	2.884	27.378	27.385	32.024	32.024	1463.0	75.239	.00	9.83



45  
STATION 64

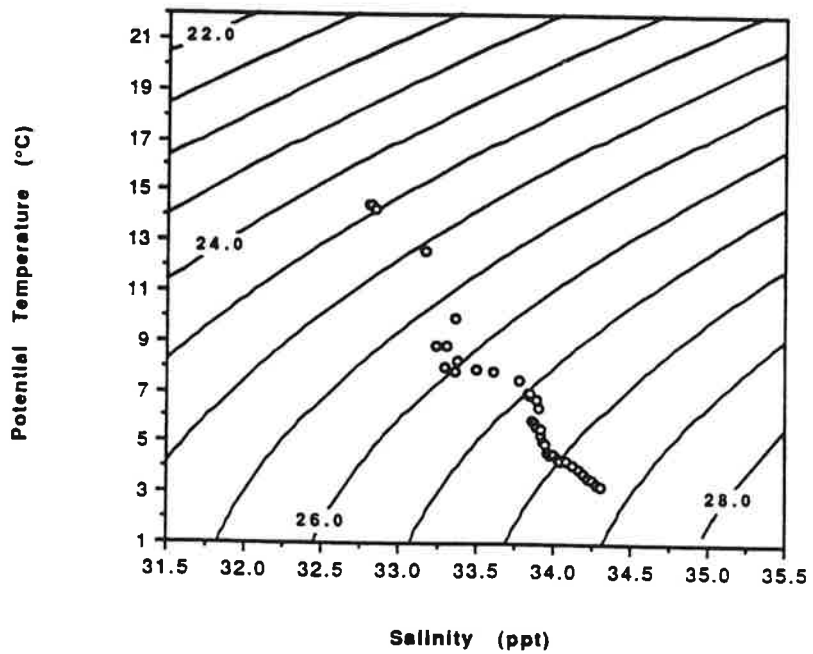
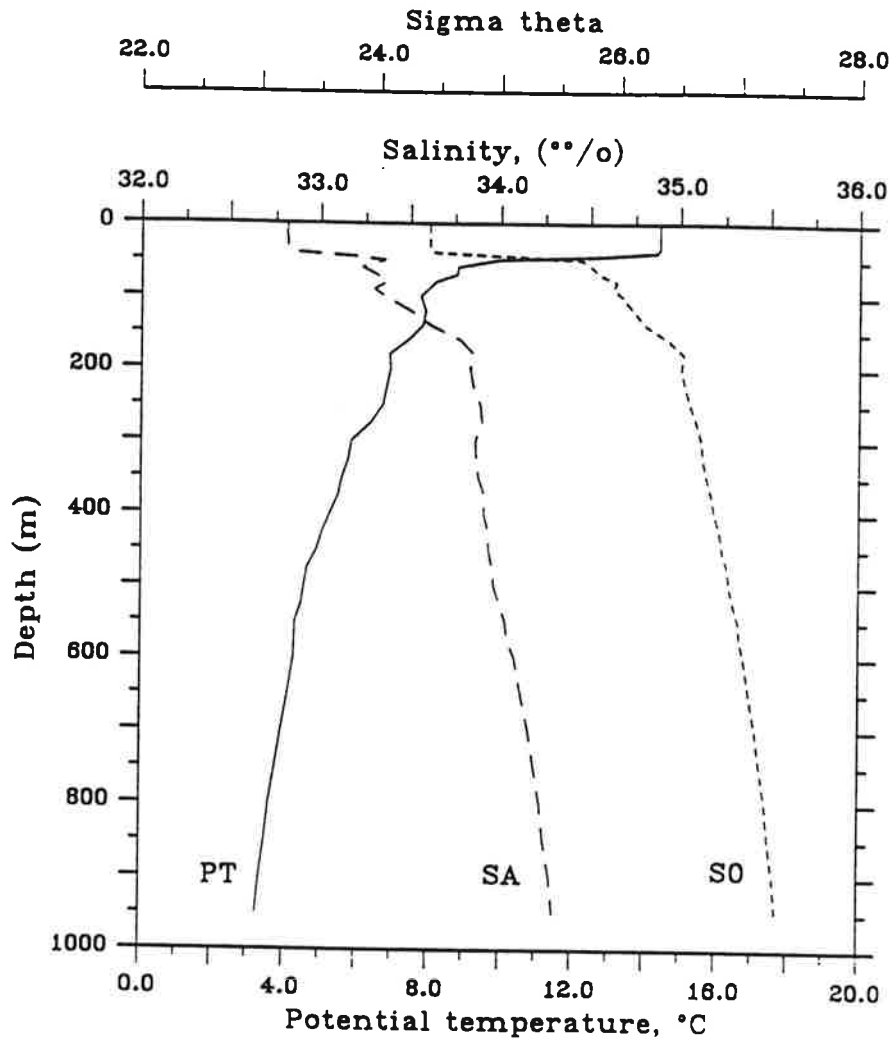


## STATION 74

LATITUDE: 44.3436 N LONGITUDE: 161.0039 W DATE: 13 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	14.423	32.813	14.423	24.410	24.410	28.826	24.410	1502.3	350.965	1.35	.00
2.0	2.0	14.423	32.813	14.422	24.410	24.410	28.826	24.419	1502.3	351.016	1.32	.32
4.0	4.0	14.423	32.813	14.422	24.410	24.410	28.826	24.428	1502.3	351.067	1.32	.32
6.0	6.1	14.423	32.813	14.422	24.410	24.410	28.826	24.437	1502.3	351.119	1.31	.32
8.0	8.1	14.423	32.813	14.422	24.410	24.410	28.826	24.446	1502.3	351.170	1.30	.32
10.0	10.1	14.423	32.813	14.421	24.410	24.410	28.826	24.455	1502.3	351.221	1.29	-3.08
12.0	12.1	14.419	32.811	14.417	24.409	24.410	28.825	24.463	1502.3	351.330	1.29	-7.42
14.0	14.2	14.424	32.808	14.422	24.406	24.406	28.822	24.469	1502.3	351.716	1.28	4.94
16.0	16.2	14.422	32.809	14.420	24.407	24.408	28.823	24.479	1502.3	351.620	1.27	4.12
18.0	18.2	14.425	32.811	14.422	24.408	24.409	28.824	24.489	1502.3	351.568	1.27	-3.76
20.0	20.2	14.425	32.810	14.422	24.407	24.408	28.824	24.497	1502.3	351.706	1.26	8.56
22.0	22.2	14.420	32.815	14.417	24.412	24.413	28.829	24.511	1502.3	351.312	1.25	-6.20
24.0	24.3	14.423	32.813	14.419	24.410	24.410	28.826	24.518	1502.3	351.598	1.24	4.82
26.0	26.3	14.420	32.814	14.417	24.411	24.412	28.828	24.528	1502.3	351.508	1.24	-5.86
28.0	28.3	14.426	32.812	14.422	24.409	24.410	28.826	24.535	1502.3	351.769	1.23	4.35
30.0	30.3	14.424	32.814	14.420	24.410	24.411	28.827	24.545	1502.3	351.706	1.22	5.34
35.0	35.4	14.423	32.819	14.418	24.415	24.416	28.831	24.572	1502.3	351.402	1.22	16.27
40.0	40.5	14.312	32.843	14.306	24.457	24.458	28.875	24.636	1502.0	347.512	1.20	61.11
45.0	45.5	12.616	33.170	12.610	25.051	25.052	29.496	25.254	1496.8	290.942	1.18	62.82
50.0	50.6	9.939	33.357	9.934	25.680	25.681	30.172	25.907	1487.7	231.089	1.16	15.92
60.0	60.7	8.820	33.230	8.814	25.760	25.761	30.275	26.035	1483.4	223.485	1.15	14.19
70.0	70.8	8.809	33.309	8.802	25.824	25.826	30.339	26.145	1483.5	217.564	1.13	20.83
80.0	80.9	8.217	33.371	8.209	25.963	25.964	30.489	26.330	1481.4	204.525	1.10	-9.02
90.0	91.0	8.000	33.297	7.991	25.937	25.938	30.468	26.350	1480.5	207.111	1.08	15.56
100.0	101.1	7.782	33.355	7.773	26.014	26.015	30.549	26.473	1479.8	199.904	1.06	12.08
120.0	121.4	7.923	33.499	7.911	26.107	26.109	30.639	26.657	1480.5	191.429	1.04	12.65
140.0	141.6	7.843	33.614	7.829	26.209	26.211	30.742	26.851	1480.4	182.055	1.00	17.03
160.0	161.9	7.450	33.778	7.435	26.394	26.396	30.934	27.129	1479.1	164.721	.96	14.38
180.0	182.1	6.929	33.854	6.912	26.526	26.528	31.077	27.354	1477.2	152.364	.93	-5.40
200.0	202.3	6.955	33.835	6.937	26.507	26.510	31.058	27.427	1477.3	154.422	.90	6.00
225.0	227.6	6.848	33.853	6.827	26.536	26.538	31.089	27.571	1477.0	152.017	.86	7.49
250.0	253.0	6.747	33.892	6.725	26.580	26.583	31.136	27.731	1476.7	148.089	.83	8.15
275.0	278.3	6.604	33.902	6.580	26.633	26.636	31.197	27.900	1475.4	143.248	.79	7.10
300.0	303.6	5.861	33.865	5.835	26.673	26.676	31.249	28.058	1473.2	139.456	.75	4.16
325.0	328.9	5.784	33.870	5.757	26.687	26.690	31.264	28.187	1473.0	138.406	.71	6.25
350.0	354.2	5.612	33.883	5.583	26.718	26.721	31.299	28.335	1472.3	135.642	.68	6.96
375.0	379.5	5.509	33.916	5.478	26.756	26.760	31.340	28.489	1472.0	132.209	.64	5.55
400.0	404.9	5.285	33.913	5.253	26.781	26.784	31.370	28.630	1471.2	129.994	.61	7.46
425.0	430.2	5.068	33.937	5.034	26.825	26.829	31.419	28.792	1470.3	125.890	.58	4.97
450.0	455.5	4.911	33.939	4.876	26.844	26.848	31.443	28.928	1469.7	124.147	.54	7.44
475.0	480.9	4.651	33.958	4.615	26.888	26.892	31.493	29.090	1468.7	119.980	.51	4.55
500.0	506.2	4.565	33.967	4.528	26.905	26.909	31.511	29.222	1468.4	118.577	.48	6.50
525.0	531.5	4.488	33.999	4.449	26.938	26.943	31.546	29.372	1468.2	115.558	.45	7.32
550.0	556.9	4.320	34.029	4.279	26.981	26.985	31.593	29.532	1467.6	111.579	.42	3.69
575.0	582.2	4.298	34.040	4.255	26.992	26.996	31.604	29.658	1467.6	110.759	.39	6.59
600.0	607.6	4.285	34.082	4.240	27.026	27.031	31.639	29.808	1467.6	107.712	.36	5.36
650.0	658.3	4.124	34.118	4.076	27.072	27.077	31.689	30.086	1467.1	103.627	.33	5.81
700.0	709.0	3.944	34.162	3.894	27.126	27.131	31.747	30.372	1466.5	98.745	.28	5.15
750.0	759.7	3.779	34.194	3.725	27.168	27.173	31.793	30.647	1465.9	94.920	.23	5.28
800.0	810.5	3.613	34.229	3.556	27.212	27.217	31.841	30.924	1465.3	90.865	.18	4.15
850.0	861.2	3.500	34.250	3.440	27.239	27.245	31.872	31.184	1464.9	88.462	.13	5.08
900.0	912.0	3.364	34.284	3.301	27.280	27.286	31.916	31.457	1464.5	84.716	.09	3.95
950.0	962.7	3.269	34.304	3.203	27.305	27.311	31.943	31.714	1464.2	82.543	.00	9.32

STATION 74

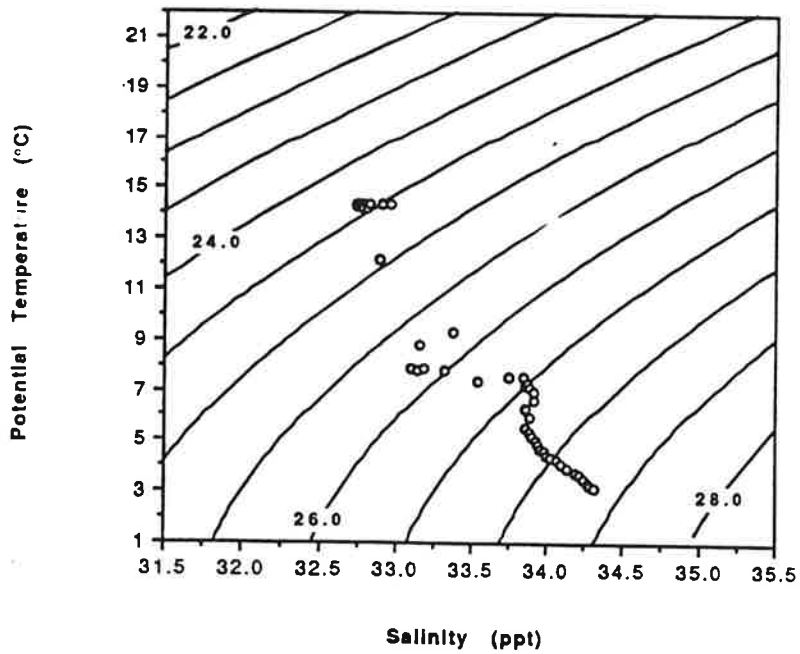
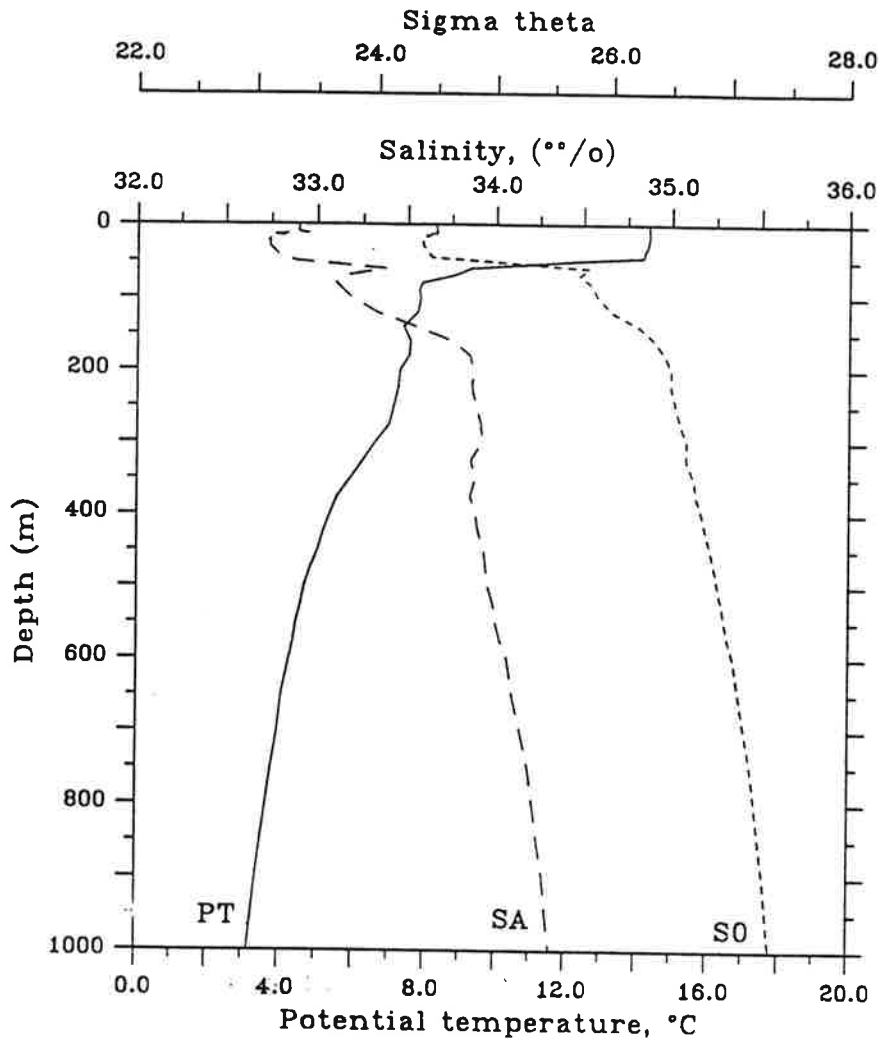


## STATION 76

LATITUDE: 43.7444 N LONGITUDE: 161.0458 W DATE: 13 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	14.349	32.898	14.349	24.492	24.492	28.908	24.492	1502.1	343.188	1.43	.00
2.0	2.0	14.349	32.898	14.348	24.492	24.492	28.908	24.500	1502.1	343.239	1.40	.32
4.0	4.0	14.349	32.898	14.348	24.492	24.492	28.908	24.510	1502.1	343.290	1.39	.32
6.0	6.0	14.349	32.898	14.348	24.492	24.492	28.908	24.518	1502.1	343.341	1.39	.32
8.0	8.1	14.349	32.898	14.347	24.492	24.492	28.908	24.528	1502.1	343.392	1.38	.32
10.0	10.1	14.349	32.898	14.347	24.492	24.492	28.908	24.537	1502.1	343.444	1.37	25.36
12.0	12.1	14.354	32.953	14.352	24.532	24.533	28.948	24.586	1502.2	339.594	1.37	-46.53
14.0	14.1	14.347	32.772	14.345	24.395	24.395	28.812	24.458	1502.0	352.784	1.36	24.10
16.0	16.1	14.353	32.822	14.351	24.432	24.432	28.849	24.503	1502.1	349.311	1.35	-28.07
18.0	18.1	14.348	32.755	14.345	24.381	24.382	28.799	24.462	1502.0	354.144	1.35	-5.03
20.0	20.1	14.346	32.753	14.343	24.380	24.380	28.798	24.470	1502.0	354.348	1.34	-14.86
22.0	22.2	14.337	32.732	14.334	24.366	24.366	28.784	24.465	1501.9	355.739	1.33	11.53
24.0	24.2	14.334	32.742	14.330	24.374	24.375	28.792	24.482	1501.9	354.983	1.32	7.24
26.0	26.2	14.324	32.744	14.321	24.378	24.378	28.796	24.494	1501.9	354.715	1.32	-7.27
28.0	28.2	14.316	32.737	14.312	24.374	24.375	28.793	24.500	1501.9	355.086	1.31	8.85
30.0	30.2	14.306	32.741	14.302	24.379	24.380	28.798	24.514	1501.9	354.662	1.30	13.37
35.0	35.3	14.241	32.760	14.234	24.408	24.409	28.828	24.565	1501.7	352.078	1.29	11.88
40.0	40.3	14.209	32.781	14.203	24.430	24.431	28.850	24.610	1501.6	350.062	1.28	12.07
45.0	45.3	14.198	32.808	14.191	24.453	24.455	28.874	24.655	1501.6	347.979	1.26	53.87
50.0	50.4	12.181	32.887	12.175	24.915	24.916	29.369	25.141	1495.0	303.972	1.24	52.71
60.0	60.5	9.288	33.375	9.282	25.800	25.801	30.305	26.074	1485.4	219.785	1.22	-16.78
70.0	70.5	8.784	33.158	8.777	25.710	25.711	30.226	26.030	1483.2	228.426	1.20	16.56
80.0	80.6	7.896	33.100	7.888	25.797	25.799	30.332	26.165	1479.8	220.166	1.17	11.78
90.0	90.7	7.812	33.141	7.803	25.842	25.843	30.378	26.255	1479.6	216.105	1.15	9.39
100.0	100.8	7.857	33.185	7.847	25.870	25.871	30.405	26.329	1479.8	213.602	1.13	13.65
120.0	120.9	7.782	33.322	7.770	25.988	25.990	30.524	26.539	1479.8	202.630	1.11	19.06
140.0	141.1	7.380	33.544	7.367	26.220	26.222	30.763	26.863	1478.5	180.879	1.07	14.60
160.0	161.3	7.582	33.754	7.566	26.356	26.358	30.894	27.090	1479.6	168.357	1.03	11.45
180.0	181.4	7.543	33.853	7.526	26.440	26.442	30.978	27.266	1479.6	160.735	.99	8.86
200.0	201.6	7.283	33.870	7.264	26.490	26.492	31.034	27.408	1478.7	156.203	.96	1.87
225.0	226.8	7.236	33.865	7.215	26.492	26.495	31.038	27.526	1478.5	156.297	.92	6.65
250.0	252.0	7.114	33.888	7.091	26.528	26.531	31.076	27.676	1478.1	153.279	.88	6.92
275.0	277.2	6.995	33.916	6.970	26.566	26.569	31.116	27.829	1477.7	149.977	.85	8.32
300.0	302.5	6.608	33.920	6.581	26.621	26.624	31.180	28.001	1476.3	144.891	.81	-1.94
325.0	327.7	6.273	33.860	6.245	26.617	26.621	31.185	28.115	1474.9	145.299	.77	8.86
350.0	352.9	5.931	33.884	5.902	26.680	26.684	31.255	28.295	1473.6	139.468	.73	5.35
375.0	378.1	5.571	33.857	5.541	26.702	26.706	31.285	28.435	1472.2	137.343	.70	7.71
400.0	403.4	5.372	33.887	5.340	26.750	26.753	31.337	28.599	1471.5	132.998	.66	6.53
425.0	428.6	5.188	33.902	5.154	26.783	26.788	31.375	28.749	1470.8	129.905	.63	7.16
450.0	453.8	5.053	33.934	5.017	26.824	26.828	31.419	28.906	1470.3	126.197	.59	6.42
475.0	479.1	4.847	33.946	4.810	26.857	26.861	31.457	29.056	1469.5	123.161	.56	5.93
500.0	504.3	4.688	33.959	4.650	26.885	26.889	31.488	29.201	1468.9	120.609	.53	6.56
525.0	529.6	4.592	33.988	4.552	26.919	26.923	31.525	29.351	1468.6	117.517	.50	5.60
550.0	554.8	4.464	34.002	4.423	26.944	26.948	31.553	29.493	1468.2	115.254	.47	6.04
575.0	580.1	4.396	34.029	4.352	26.973	26.977	31.583	29.638	1468.0	112.670	.44	7.42
600.0	605.3	4.286	34.070	4.241	27.017	27.021	31.630	29.798	1467.6	108.638	.41	5.34
650.0	655.9	4.077	34.099	4.029	27.062	27.067	31.680	30.076	1466.8	104.516	.38	5.52
700.0	706.4	3.967	34.146	3.916	27.110	27.115	31.731	30.357	1466.5	100.223	.33	5.78
750.0	756.9	3.803	34.192	3.750	27.163	27.169	31.788	30.642	1466.0	95.387	.27	4.76
800.0	807.5	3.665	34.220	3.608	27.199	27.205	31.827	30.911	1465.5	92.156	.22	4.72
850.0	858.0	3.520	34.246	3.460	27.235	27.240	31.866	31.179	1465.0	88.944	.18	5.00
900.0	908.6	3.385	34.279	3.322	27.274	27.280	31.909	31.451	1464.6	85.315	.13	4.02
950.0	959.2	3.275	34.298	3.209	27.300	27.306	31.938	31.709	1464.2	83.039	.08	4.18
1000.0	1009.8	3.171	34.321	3.102	27.327	27.334	31.968	31.968	1463.9	80.550	.00	9.58

STATION 76

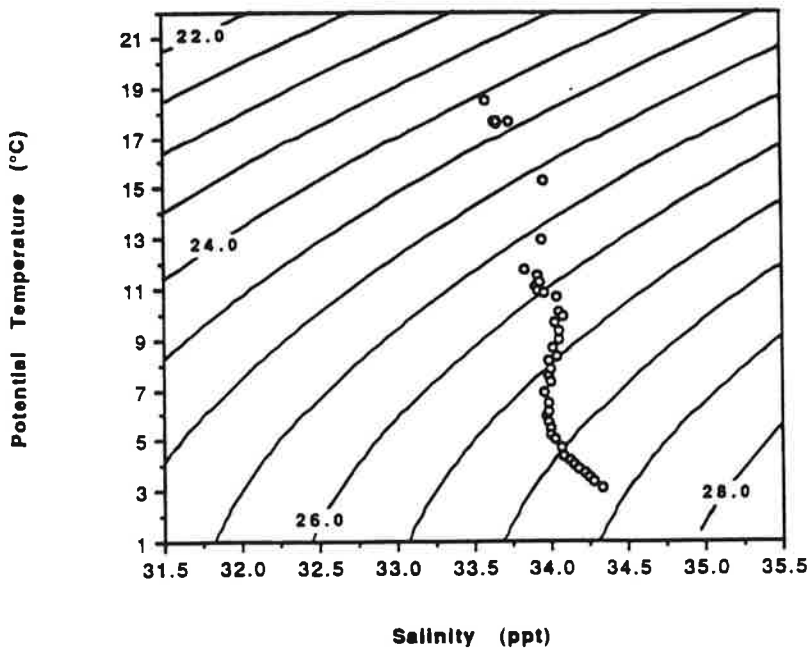
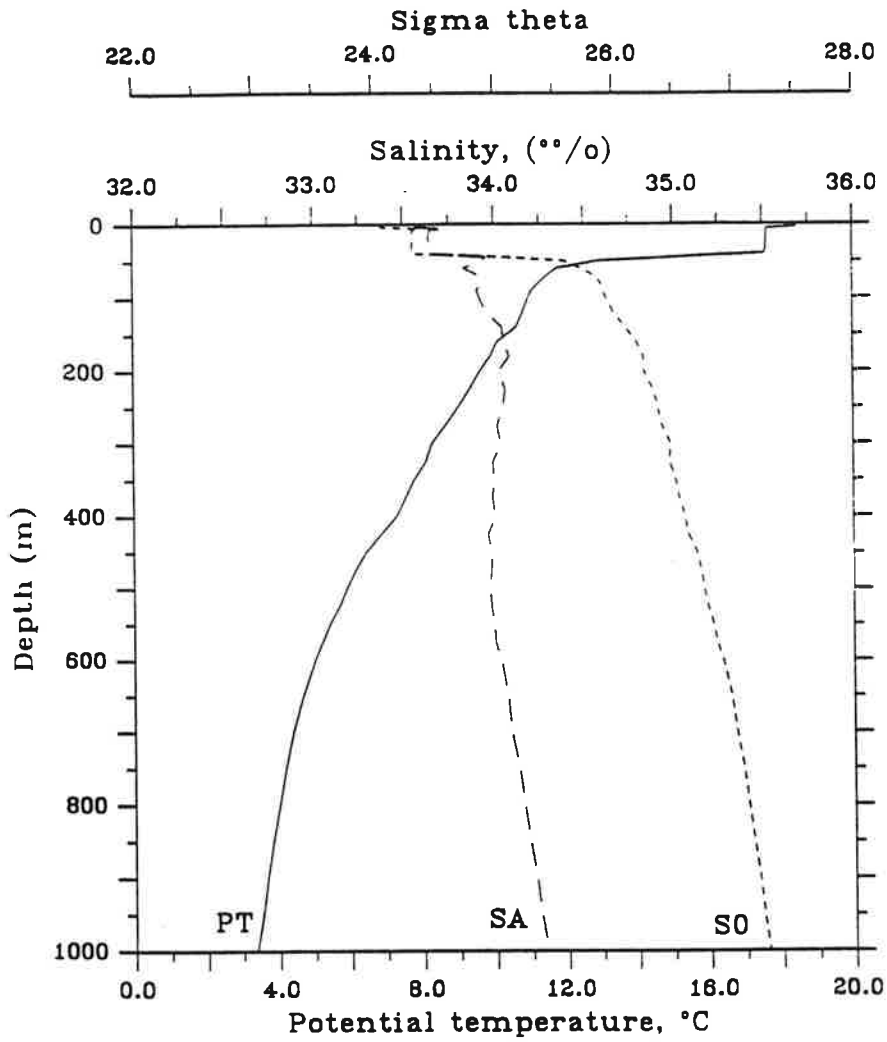


## STATION 84

LATITUDE: 41.5206 N LONGITUDE: 161.0239 W DATE: 14 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYWH	BVA1
.0	.0	15.722	33.181	15.722	24.412	24.412	28.805	24.412	1506.8	350.760	1.47	.00
2.0	2.0	15.722	33.181	15.721	24.412	24.412	28.805	24.421	1506.8	350.815	1.45	.33
4.0	4.0	15.722	33.181	15.721	24.412	24.412	28.805	24.430	1506.8	350.871	1.44	.33
6.0	6.0	15.722	33.181	15.721	24.412	24.412	28.805	24.439	1506.8	350.926	1.43	.33
8.0	8.1	15.722	33.181	15.720	24.412	24.412	28.805	24.448	1506.8	350.982	1.42	.33
10.0	10.1	15.722	33.181	15.720	24.412	24.413	28.806	24.457	1506.8	351.037	1.42	-13.99
12.0	12.1	15.733	33.168	15.731	24.400	24.400	28.793	24.453	1506.9	352.280	1.41	4.07
14.0	14.1	15.732	33.169	15.730	24.401	24.401	28.794	24.463	1506.9	352.236	1.40	-7.53
16.0	16.1	15.734	33.165	15.732	24.397	24.398	28.791	24.469	1506.9	352.636	1.40	11.22
18.0	18.1	15.727	33.174	15.724	24.405	24.406	28.799	24.486	1506.9	351.928	1.39	3.43
20.0	20.1	15.729	33.175	15.726	24.406	24.406	28.800	24.495	1506.9	351.913	1.38	-8.19
22.0	22.2	15.733	33.171	15.730	24.402	24.402	28.795	24.500	1506.9	352.376	1.37	13.23
24.0	24.2	15.772	33.196	15.768	26.413	26.414	28.806	24.520	1507.0	351.372	1.37	11.56
26.0	26.2	15.781	33.210	15.777	24.421	24.422	28.814	24.538	1507.1	350.617	1.36	-6.06
28.0	28.2	15.785	33.208	15.780	24.419	24.420	28.812	24.544	1507.1	350.896	1.35	4.79
30.0	30.2	15.779	33.208	15.774	26.420	26.421	28.813	24.554	1507.1	350.813	1.35	3.89
35.0	35.3	15.763	33.207	15.758	24.423	24.424	28.816	24.579	1507.0	350.724	1.34	6.48
40.0	40.3	15.722	33.204	15.716	24.429	24.431	28.824	24.608	1506.9	350.225	1.32	41.85
45.0	45.3	15.092	33.386	15.086	24.708	24.710	29.111	24.910	1505.2	323.783	1.30	63.94
50.0	50.4	13.124	33.696	13.117	25.359	25.360	29.792	25.584	1499.1	261.852	1.29	36.57
60.0	60.5	11.200	33.773	11.192	25.785	25.786	30.251	26.057	1492.7	221.428	1.27	14.82
70.0	70.5	10.878	33.789	10.870	25.855	25.856	30.327	26.172	1491.6	214.964	1.25	15.16
80.0	80.6	10.561	33.812	10.552	25.928	25.930	30.406	26.291	1490.5	208.185	1.22	6.05
90.0	90.7	10.950	33.915	10.939	25.940	25.942	30.410	26.348	1492.0	207.351	1.20	14.60
100.0	100.8	10.864	33.982	10.852	26.008	26.010	30.479	26.461	1491.8	201.110	1.18	7.74
120.0	120.9	10.804	34.018	10.790	26.046	26.049	30.518	26.590	1491.7	197.907	1.16	11.32
140.0	141.1	9.942	33.931	9.926	26.127	26.130	30.617	26.764	1488.5	190.388	1.12	14.53
160.0	161.2	9.598	34.030	9.581	26.262	26.265	30.758	26.990	1487.5	177.937	1.08	13.31
180.0	181.4	8.958	34.042	8.938	26.375	26.378	30.883	27.196	1485.2	167.415	1.04	6.79
200.0	201.6	8.497	33.987	8.477	26.404	26.407	30.923	27.318	1483.4	164.827	1.01	4.24
225.0	226.8	8.118	33.932	8.095	26.418	26.421	30.945	27.448	1482.0	163.750	.97	6.44
250.0	252.0	7.889	33.931	7.865	26.451	26.455	30.983	27.596	1481.1	160.936	.93	4.05
275.0	277.2	7.826	33.936	7.799	26.464	26.468	30.997	27.723	1480.9	160.077	.89	7.57
300.0	302.4	7.735	33.977	7.706	26.510	26.514	31.045	27.883	1480.7	156.112	.85	6.60
325.0	327.6	7.506	33.979	7.475	26.544	26.549	31.085	28.033	1479.9	153.092	.81	5.94
350.0	352.9	7.180	33.956	7.147	26.572	26.576	31.120	28.178	1478.6	150.608	.77	6.43
375.0	378.1	6.784	33.929	6.750	26.605	26.609	31.161	28.327	1477.1	147.573	.73	8.56
400.0	403.3	6.384	33.936	6.349	26.663	26.667	31.228	28.503	1475.6	142.100	.69	6.63
425.0	428.5	6.066	33.928	6.030	26.698	26.702	31.270	28.655	1474.3	138.855	.66	7.91
450.0	453.8	5.816	33.951	5.778	26.747	26.752	31.325	28.822	1473.4	134.241	.62	7.27
475.0	479.0	5.530	33.960	5.491	26.789	26.794	31.374	28.981	1472.3	130.291	.58	6.44
500.0	504.3	5.311	33.969	5.270	26.822	26.826	31.411	29.131	1471.5	127.243	.55	7.13
525.0	529.5	5.124	33.992	5.082	26.862	26.867	31.456	29.288	1470.8	123.498	.52	7.07
550.0	554.7	4.916	34.012	4.873	26.902	26.907	31.501	29.445	1470.0	119.778	.49	6.02
575.0	580.0	4.773	34.028	4.728	26.931	26.935	31.533	29.591	1469.5	117.140	.46	5.65
600.0	605.2	4.654	34.043	4.608	26.956	26.961	31.561	29.733	1469.1	114.847	.42	6.17
650.0	655.8	4.436	34.090	4.387	27.016	27.022	31.626	30.026	1468.3	109.325	.40	5.75
700.0	706.3	4.220	34.127	4.168	27.069	27.074	31.684	30.311	1467.6	104.517	.34	5.65
750.0	756.8	4.024	34.165	3.969	27.119	27.125	31.739	30.595	1466.9	99.872	.28	5.01
800.0	807.4	3.858	34.194	3.800	27.159	27.165	31.783	30.867	1466.3	96.256	.23	5.07
850.0	857.9	3.692	34.224	3.631	27.200	27.206	31.828	31.141	1465.7	92.517	.18	5.37
900.0	908.5	3.522	34.260	3.458	27.246	27.252	31.878	31.420	1465.1	88.266	.13	4.39
950.0	959.1	3.397	34.284	3.330	27.276	27.283	31.912	31.683	1464.7	85.500	.09	4.34
1000.0	1009.6	3.276	34.306	3.207	27.306	27.313	31.945	31.945	1464.3	82.791	.00	9.41

STATION 84



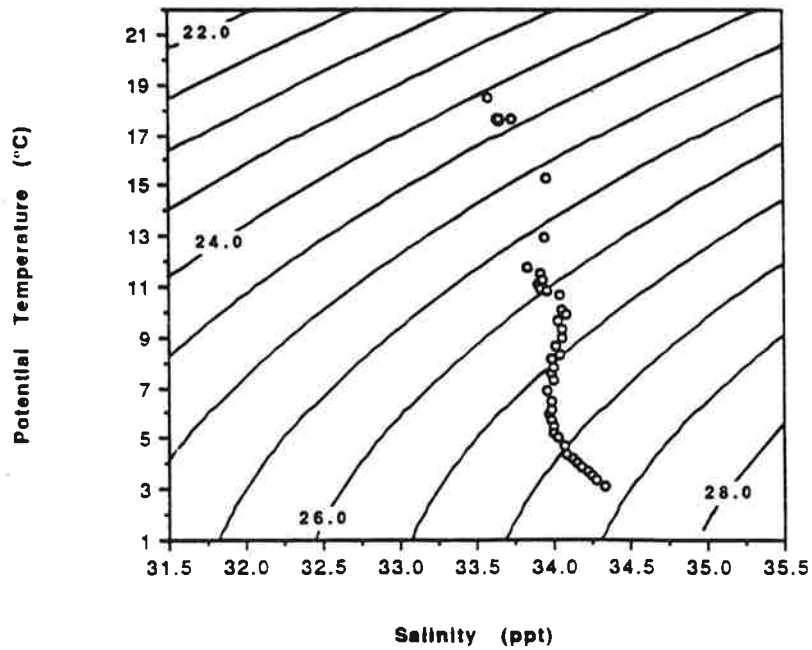
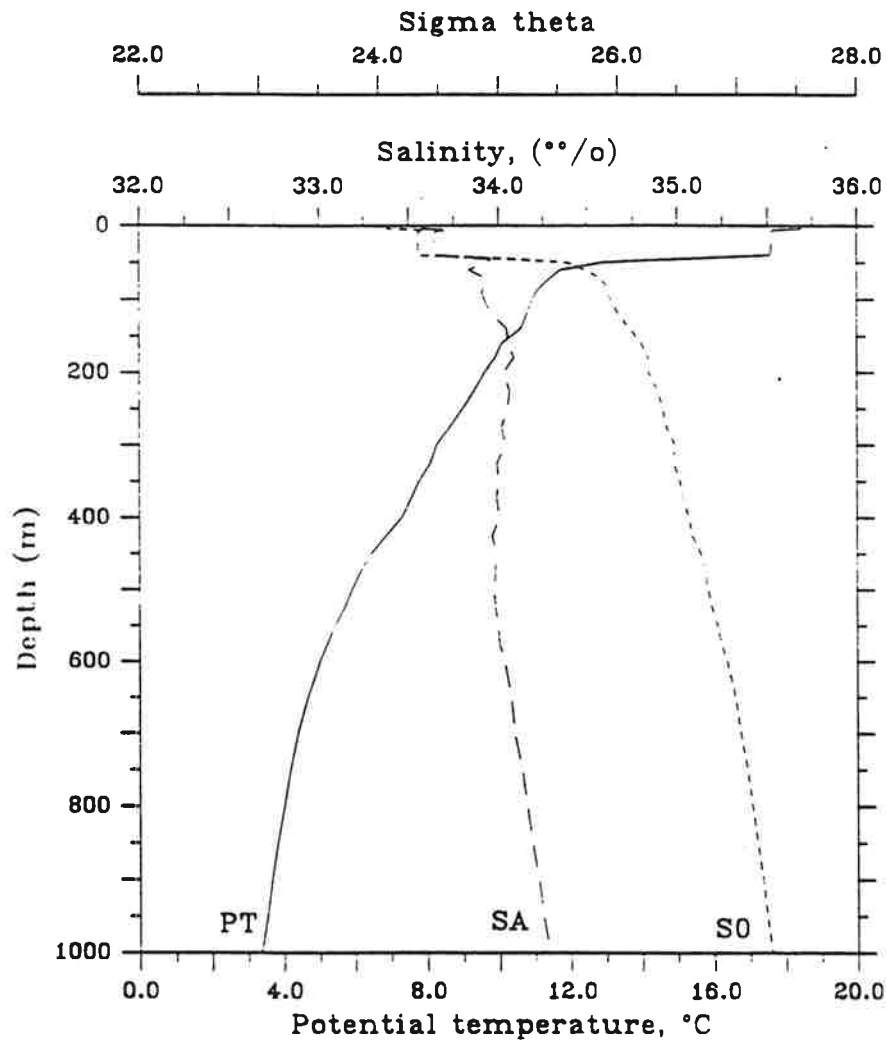
## STATION 92

LATITUDE: 39.5481 N LONGITUDE: 161.0008 W DATE: 14 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	18.449	33.579	18.449	24.074	24.074	28.427	24.074	1515.5	382.969	1.62	.00
2.0	2.0	18.449	33.579	18.449	24.074	24.074	28.427	24.083	1515.5	383.031	1.59	.39
4.0	4.0	18.449	33.579	18.448	24.074	24.074	28.427	24.092	1515.5	383.094	1.58	70.35
6.0	6.1	17.656	33.737	17.655	24.389	24.389	28.752	24.416	1513.3	353.121	1.57	-29.65
8.0	8.1	17.613	33.650	17.611	24.333	24.334	28.697	24.369	1513.1	358.519	1.56	.34
10.0	10.1	17.613	33.650	17.611	24.333	24.334	28.697	24.378	1513.1	358.580	1.56	-8.14
12.0	12.1	17.619	33.646	17.617	24.329	24.330	28.693	24.382	1513.1	359.044	1.55	3.66
14.0	14.2	17.617	33.647	17.615	24.330	24.330	28.694	24.392	1513.1	359.024	1.54	-4.89
16.0	16.2	17.614	33.644	17.611	24.328	24.329	28.692	24.399	1513.1	359.231	1.54	-3.12
18.0	18.2	17.616	33.644	17.613	24.328	24.328	28.692	24.408	1513.1	359.352	1.53	-3.77
20.0	20.2	17.617	33.643	17.613	24.327	24.328	28.691	24.416	1513.1	359.500	1.52	8.23
22.0	22.2	17.611	33.646	17.607	24.331	24.332	28.695	24.429	1513.1	359.151	1.51	6.26
24.0	24.3	17.608	33.649	17.604	24.334	24.335	28.698	24.440	1513.1	359.976	1.51	-6.92
26.0	26.3	17.611	33.646	17.607	24.331	24.331	28.695	24.446	1513.1	359.328	1.50	6.78
28.0	28.3	17.610	33.649	17.606	24.333	24.335	28.698	24.458	1513.1	359.111	1.49	-6.53
30.0	30.3	17.607	33.645	17.602	24.331	24.332	28.695	24.464	1513.1	359.431	1.48	.88
35.0	35.4	17.599	33.642	17.593	24.331	24.332	28.696	24.486	1513.1	359.574	1.48	7.94
40.0	40.5	17.570	33.646	17.564	24.341	24.342	28.706	24.519	1513.0	358.772	1.46	69.53
45.0	45.5	15.268	33.958	15.262	25.110	25.112	29.507	25.312	1506.4	285.542	1.44	54.74
50.0	50.6	12.933	33.943	12.926	25.587	25.589	30.022	25.813	1498.8	240.122	1.42	21.23
60.0	60.7	11.754	33.835	11.747	25.731	25.732	30.187	26.002	1494.7	226.612	1.41	18.95
70.0	70.8	11.484	33.918	11.476	25.846	25.847	30.306	26.162	1493.9	215.947	1.39	13.20
80.0	80.9	11.248	33.934	11.238	25.901	25.903	30.365	26.263	1493.1	210.872	1.36	6.53
90.0	91.0	11.057	33.907	11.046	25.915	25.917	30.383	26.322	1492.4	209.777	1.34	9.63
100.0	101.2	10.952	33.921	10.940	25.944	25.946	30.414	26.397	1492.1	207.171	1.32	9.77
120.0	121.4	10.792	33.962	10.777	26.005	26.007	30.478	26.549	1491.6	201.806	1.30	12.15
140.0	141.6	10.625	34.045	10.608	26.099	26.102	30.575	26.734	1491.1	193.271	1.26	12.30
160.0	161.9	10.097	34.052	10.078	26.195	26.198	30.682	26.922	1489.3	184.403	1.22	9.66
180.0	182.1	9.899	34.085	9.878	26.255	26.258	30.745	27.073	1488.6	179.109	1.18	2.11
200.0	202.3	9.618	34.028	9.595	26.257	26.261	30.754	27.167	1487.6	179.143	1.14	9.62
225.0	227.7	9.324	34.061	9.300	26.331	26.335	30.833	27.356	1486.6	172.527	1.11	7.34
250.0	253.0	9.002	34.050	8.976	26.374	26.378	30.883	27.513	1485.4	168.792	1.06	6.05
275.0	278.3	8.654	34.017	8.625	26.403	26.407	30.920	27.658	1484.2	166.321	1.02	9.61
300.0	303.6	8.274	34.036	8.243	26.476	26.481	31.001	27.847	1482.8	159.595	.97	-3.62
325.0	328.9	8.111	33.992	8.078	26.466	26.471	30.994	27.951	1482.2	160.910	.93	8.19
350.0	354.2	7.783	33.998	7.748	26.519	26.524	31.054	28.120	1481.0	156.058	.89	5.79
375.0	379.6	7.552	33.989	7.515	26.546	26.551	31.086	28.263	1480.1	153.768	.85	7.62
400.0	404.9	7.307	34.004	7.269	26.592	26.597	31.137	28.425	1479.2	149.603	.81	5.93
425.0	430.2	6.874	33.963	6.835	26.619	26.625	31.174	28.570	1477.6	146.974	.77	9.58
450.0	455.5	6.456	33.985	6.416	26.692	26.697	31.256	28.761	1476.0	140.062	.74	6.66
475.0	480.9	6.159	33.981	6.118	26.727	26.733	31.298	28.913	1474.9	136.783	.70	5.58
500.0	506.2	5.919	33.973	5.876	26.752	26.757	31.328	29.055	1473.9	134.521	.66	6.37
525.0	531.6	5.703	33.980	5.659	26.784	26.789	31.365	29.204	1473.1	131.551	.63	7.43
550.0	556.9	5.436	33.995	5.391	26.828	26.833	31.415	29.365	1472.1	127.406	.59	6.27
575.0	582.3	5.218	34.002	5.172	26.859	26.864	31.451	29.513	1471.3	124.483	.56	7.63
600.0	607.6	5.010	34.029	4.962	26.905	26.910	31.502	29.677	1470.5	120.137	.53	6.49
650.0	658.3	4.668	34.065	4.617	26.972	26.977	31.576	29.978	1469.2	113.877	.50	5.30
700.0	709.0	4.393	34.083	4.340	27.016	27.021	31.627	30.256	1468.2	109.760	.44	5.93
750.0	759.8	4.185	34.126	4.129	27.072	27.077	31.688	30.545	1467.5	104.625	.38	5.05
800.0	810.5	4.006	34.153	3.947	27.112	27.118	31.733	30.818	1466.9	100.951	.33	5.16
850.0	861.3	3.822	34.183	3.760	27.154	27.160	31.779	31.093	1466.2	97.054	.27	5.34
900.0	912.0	3.660	34.219	3.595	27.199	27.206	31.829	31.371	1465.7	92.883	.22	4.62
950.0	962.8	3.525	34.245	3.457	27.233	27.240	31.866	31.637	1465.2	89.814	.18	5.20
1000.0	1013.6	3.361	34.279	3.291	27.276	27.282	31.913	31.913	1464.6	85.804	.13	4.75
1100.0	1115.2	3.103	34.338	3.027	27.347	27.354	31.990	32.448	1463.8	79.182	.00	9.16



STATION 92

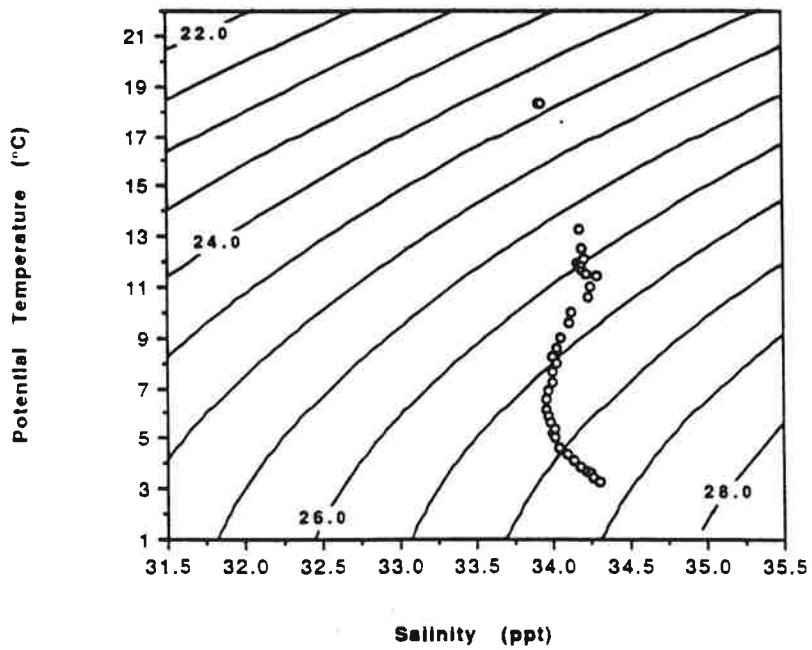
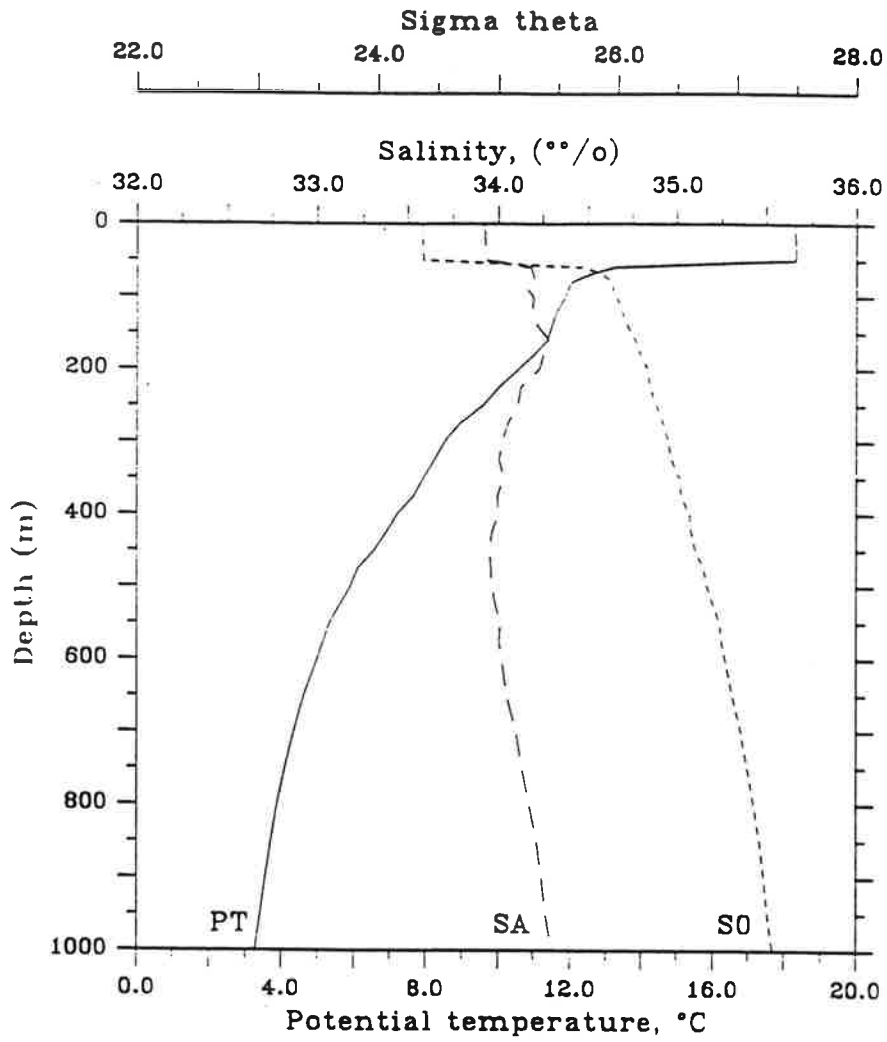


## STATION 93

LATITUDE: 39.2575 N LONGITUDE: 161.0075 W DATE: 15 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYHH	BVA1
.0	.0	18.295	33.921	18.295	24.375	24.375	28.727	24.375	1515.4	354.331	1.54	.00
2.0	2.0	18.295	33.921	18.295	24.375	24.375	28.727	24.383	1515.4	354.395	1.51	.38
4.0	4.0	18.295	33.921	18.294	24.375	24.375	28.727	24.392	1515.4	354.458	1.50	.38
6.0	6.1	18.295	33.921	18.294	24.375	24.375	28.727	24.401	1515.4	354.521	1.50	.38
8.0	8.1	18.295	33.921	18.293	24.375	24.375	28.727	24.410	1515.4	354.585	1.49	-2.24
10.0	10.1	18.295	33.921	18.293	24.374	24.375	28.727	24.419	1515.4	354.679	1.48	9.90
12.0	12.1	18.289	33.927	18.287	24.381	24.381	28.734	24.434	1515.4	354.149	1.47	3.97
14.0	14.1	18.292	33.930	18.290	24.382	24.382	28.735	24.444	1515.4	354.118	1.47	-10.43
16.0	16.2	18.302	33.924	18.300	24.375	24.375	28.728	24.446	1515.5	354.842	1.46	-5.55
18.0	18.2	18.305	33.922	18.302	24.373	24.373	28.726	24.452	1515.5	355.093	1.45	1.13
20.0	20.2	18.308	33.923	18.305	24.373	24.374	28.726	24.462	1515.5	355.149	1.45	9.55
22.0	22.2	18.303	33.929	18.299	24.378	24.379	28.732	24.476	1515.5	354.660	1.44	-6.62
24.0	24.2	18.307	33.927	18.303	24.376	24.377	28.729	24.482	1515.5	354.990	1.43	-2.87
26.0	26.2	18.307	33.926	18.303	24.375	24.376	28.729	24.490	1515.5	355.104	1.42	-4.17
28.0	28.3	18.315	33.927	18.310	24.374	24.375	28.727	24.498	1515.5	355.274	1.42	-5.49
30.0	30.3	18.316	33.925	18.311	24.372	24.373	28.726	24.505	1515.5	355.521	1.41	5.66
35.0	35.3	18.313	33.931	18.308	24.377	24.379	28.731	24.532	1515.5	355.195	1.40	1.49
40.0	40.4	18.317	33.932	18.310	24.377	24.379	28.732	24.555	1515.6	355.322	1.38	3.90
45.0	45.4	18.315	33.935	18.307	24.380	24.382	28.734	24.580	1515.6	355.251	1.37	-.84
50.0	50.5	18.314	33.934	18.305	24.380	24.382	28.734	24.602	1515.6	355.422	1.35	64.83
60.0	60.6	13.225	34.186	13.217	25.718	25.719	30.146	25.987	1500.1	228.055	1.33	21.55
70.0	70.7	12.535	34.200	12.526	25.866	25.867	30.306	26.181	1497.8	214.178	1.30	17.42
80.0	80.8	12.057	34.206	12.047	25.962	25.964	30.411	26.323	1496.2	205.182	1.28	-5.36
90.0	90.9	11.939	34.166	11.928	25.953	25.955	30.404	26.359	1495.8	206.272	1.26	10.86
100.0	101.0	11.885	34.201	11.872	25.991	25.993	30.442	26.442	1495.6	202.932	1.23	8.12
120.0	121.2	11.641	34.196	11.626	26.033	26.035	30.489	26.575	1494.8	199.373	1.21	8.47
140.0	141.4	11.504	34.222	11.487	26.078	26.081	30.538	26.711	1494.4	195.470	1.17	10.55
160.0	161.6	11.385	34.285	11.365	26.149	26.153	30.611	26.872	1494.1	189.174	1.13	8.22
180.0	181.8	11.023	34.256	11.001	26.192	26.196	30.661	27.007	1492.8	185.435	1.09	9.81
200.0	202.0	10.583	34.234	10.559	26.253	26.257	30.730	27.160	1491.3	179.921	1.05	4.37
225.0	227.2	10.026	34.129	10.000	26.268	26.273	30.757	27.290	1489.2	178.800	1.02	8.65
250.0	252.5	9.586	34.111	9.558	26.328	26.332	30.825	27.464	1487.7	173.467	.97	8.62
275.0	277.7	8.946	34.055	8.917	26.387	26.391	30.897	27.640	1485.3	168.033	.93	7.10
300.0	303.0	8.536	34.024	8.505	26.427	26.431	30.946	27.795	1483.8	164.466	.88	5.94
325.0	328.3	8.260	34.006	8.227	26.454	26.459	30.979	27.939	1482.7	162.084	.84	9.09
350.0	353.6	7.952	34.031	7.917	26.520	26.525	31.052	28.120	1481.7	156.079	.80	4.23
375.0	378.8	7.672	33.997	7.635	26.534	26.539	31.072	28.250	1480.6	154.944	.76	9.29
400.0	404.1	7.222	34.003	7.184	26.603	26.608	31.150	28.436	1478.9	148.499	.72	4.25
425.0	429.4	6.912	33.966	6.873	26.617	26.622	31.171	28.567	1477.7	147.262	.68	6.73
450.0	454.7	6.569	33.953	6.529	26.653	26.658	31.215	28.720	1476.4	143.908	.64	9.08
475.0	480.0	6.109	33.960	6.067	26.718	26.723	31.290	28.904	1474.6	137.624	.61	6.07
500.0	505.2	5.909	33.966	5.866	26.747	26.752	31.323	29.050	1473.9	134.975	.57	8.02
525.0	530.5	5.624	33.986	5.580	26.798	26.803	31.381	29.219	1472.8	130.152	.53	8.44
550.0	555.8	5.331	34.013	5.286	26.854	26.860	31.444	29.393	1471.7	124.764	.50	4.20
575.0	581.1	5.171	34.007	5.125	26.868	26.874	31.462	29.524	1471.1	123.527	.47	6.19
600.0	606.4	5.000	34.020	4.952	26.899	26.904	31.496	29.671	1470.5	120.707	.44	6.31
650.0	657.0	4.637	34.048	4.587	26.961	26.967	31.567	29.968	1469.1	114.778	.41	6.82
700.0	707.7	4.356	34.103	4.304	27.035	27.041	31.648	30.276	1468.1	107.893	.35	5.83
750.0	758.3	4.104	34.137	4.048	27.089	27.095	31.707	30.563	1467.2	102.855	.29	5.88
800.0	808.9	3.893	34.179	3.835	27.144	27.150	31.767	30.852	1466.4	97.754	.24	5.57
850.0	859.6	3.723	34.219	3.661	27.193	27.199	31.820	31.134	1465.8	93.223	.18	4.82
900.0	910.3	3.562	34.245	3.498	27.230	27.236	31.861	31.403	1465.3	89.840	.14	4.44
950.0	960.9	3.425	34.268	3.359	27.261	27.267	31.896	31.667	1464.8	86.988	.09	5.11
1000.0	1011.6	3.272	34.301	3.202	27.302	27.309	31.941	31.941	1464.3	83.127	.00	10.08

## STATION 93

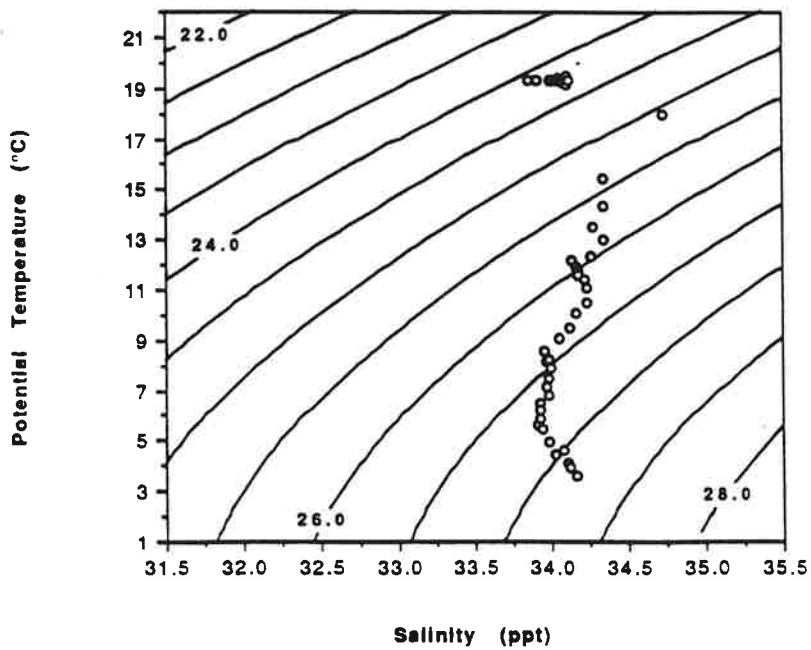
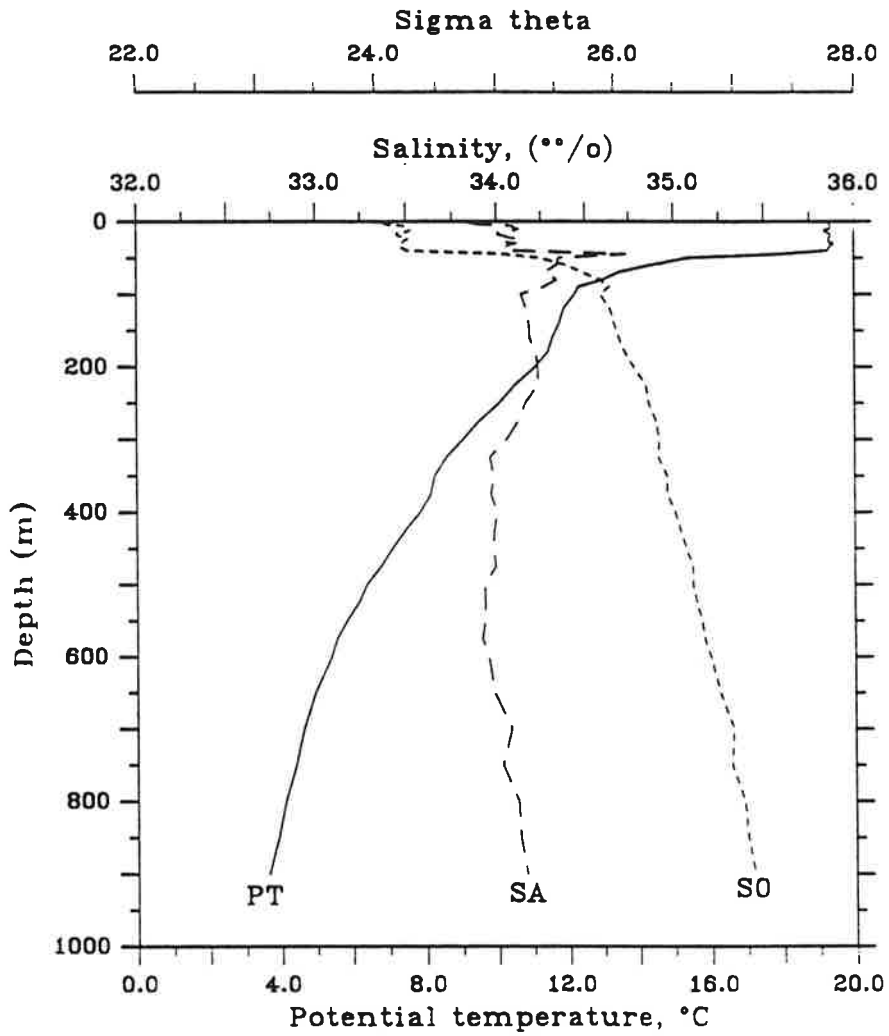


## STATION 98

LATITUDE: 37.9889 N LONGITUDE: 160.9861 W DATE: 15 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	19.318	33.858	19.318	24.069	24.069	28.408	24.069	1518.3	383.471	1.52	.00
2.0	2.0	19.318	33.858	19.317	24.069	24.069	28.409	24.078	1518.3	383.537	1.49	23.70
4.0	4.0	19.334	33.910	19.333	24.105	24.105	28.444	24.122	1518.4	380.193	1.48	46.36
6.0	6.1	19.357	34.097	19.355	24.242	24.242	28.579	24.268	1518.7	367.217	1.47	-8.52
8.0	8.1	19.358	34.092	19.356	24.237	24.237	28.575	24.272	1518.7	367.724	1.47	22.45
10.0	10.1	19.340	34.128	19.338	24.269	24.269	28.607	24.313	1518.7	364.733	1.46	19.45
12.0	12.1	19.185	34.107	19.183	24.293	24.294	28.633	24.346	1518.2	362.503	1.45	-20.82
14.0	14.1	19.204	34.077	19.202	24.265	24.266	28.606	24.327	1518.2	365.200	1.44	-36.03
16.0	16.1	19.315	34.006	19.312	24.183	24.184	28.522	24.254	1518.5	373.148	1.44	-9.54
18.0	18.2	19.354	34.012	19.351	24.177	24.178	28.516	24.257	1518.6	373.767	1.43	20.23
20.0	20.2	19.364	34.049	19.360	24.203	24.204	28.542	24.292	1518.7	371.352	1.42	22.02
22.0	22.2	19.309	34.071	19.306	24.234	24.235	28.573	24.331	1518.5	368.476	1.41	25.17
24.0	24.2	19.306	34.123	19.302	24.274	24.275	28.613	24.380	1518.6	364.700	1.41	-21.78
26.0	26.2	19.313	34.086	19.309	24.244	24.245	28.583	24.359	1518.6	367.646	1.40	-16.51
28.0	28.2	19.300	34.059	19.295	24.227	24.228	28.566	24.351	1518.5	369.365	1.39	9.43
30.0	30.3	19.448	34.116	19.442	24.232	24.234	28.570	24.365	1519.0	368.898	1.38	-12.70
35.0	35.3	19.326	34.041	19.319	24.206	24.208	28.546	24.361	1518.6	371.507	1.38	19.00
40.0	40.3	19.275	34.099	19.268	24.264	24.266	28.604	24.441	1518.5	366.195	1.36	71.57
45.0	45.4	17.968	34.737	17.960	25.079	25.081	29.433	25.279	1515.5	288.667	1.34	42.73
50.0	50.4	15.464	34.351	15.456	25.370	25.372	29.762	25.594	1507.4	260.998	1.32	26.65
60.0	60.5	14.388	34.341	14.379	25.596	25.598	30.005	25.865	1504.0	239.682	1.31	20.52
70.0	70.6	13.489	34.272	13.479	25.730	25.732	30.154	26.045	1501.1	227.118	1.28	21.50
80.0	80.7	13.032	34.342	13.021	25.878	25.880	30.309	26.238	1499.6	213.333	1.26	16.04
90.0	90.8	12.325	34.269	12.313	25.960	25.962	30.403	26.365	1497.2	205.698	1.23	-15.75
100.0	100.9	12.210	34.139	12.197	25.881	25.883	30.327	26.332	1496.7	213.432	1.21	11.51
120.0	121.1	11.887	34.168	11.872	25.965	25.968	30.418	26.507	1495.6	205.835	1.19	7.32
140.0	141.2	11.767	34.183	11.749	25.999	26.002	30.454	26.631	1495.3	203.036	1.15	7.78
160.0	161.4	11.578	34.187	11.557	26.038	26.041	30.497	26.760	1494.7	199.800	1.11	8.94
180.0	181.6	11.442	34.220	11.419	26.088	26.093	30.550	26.902	1494.3	195.392	1.07	10.79
200.0	201.8	11.089	34.233	11.064	26.163	26.167	30.631	27.067	1493.1	188.702	1.03	11.37
225.0	227.0	10.521	34.235	10.494	26.265	26.270	30.744	27.285	1491.1	179.280	.99	5.32
250.0	252.3	10.070	34.164	10.041	26.288	26.293	30.776	27.422	1489.5	177.479	.94	8.88
275.0	277.5	9.494	34.121	9.464	26.350	26.355	30.850	27.601	1487.4	171.759	.89	5.21
300.0	302.7	9.051	34.057	9.019	26.372	26.377	30.881	27.738	1485.7	169.954	.85	-1.72
325.0	328.0	8.577	33.958	8.543	26.369	26.374	30.888	27.852	1483.9	170.355	.81	9.30
350.0	353.2	8.258	33.984	8.222	26.438	26.443	30.963	28.036	1482.8	164.069	.76	.94
375.0	378.5	8.158	33.966	8.119	26.438	26.444	30.967	28.151	1482.4	164.355	.72	9.40
400.0	403.7	7.867	34.000	7.827	26.509	26.514	31.043	28.337	1481.4	157.906	.68	7.52
425.0	429.0	7.469	33.984	7.428	26.553	26.559	31.096	28.499	1479.9	153.733	.64	7.51
450.0	454.3	7.113	33.978	7.070	26.598	26.604	31.149	28.661	1478.5	149.566	.60	8.30
475.0	479.5	6.796	33.992	6.752	26.653	26.659	31.210	28.833	1477.4	144.461	.56	-1.24
500.0	504.8	6.421	33.927	6.376	26.651	26.657	31.217	28.949	1475.9	144.555	.52	6.40
525.0	530.1	6.190	33.930	6.144	26.683	26.689	31.254	29.098	1475.0	141.573	.48	7.06
550.0	555.3	5.861	33.928	5.814	26.723	26.729	31.301	29.255	1473.7	137.790	.45	5.34
575.0	580.6	5.578	33.912	5.530	26.745	26.751	31.330	29.396	1472.6	135.620	.41	7.72
600.0	605.9	5.422	33.948	5.373	26.792	26.798	31.381	29.560	1472.1	131.251	.38	7.06
650.0	656.4	4.964	33.981	4.912	26.871	26.877	31.470	29.874	1470.3	123.719	.34	8.40
700.0	707.0	4.645	34.077	4.591	26.983	26.989	31.589	30.219	1469.2	113.217	.28	-3.05
750.0	757.6	4.418	34.027	4.361	26.968	26.974	31.580	30.438	1468.3	114.726	.22	7.99
800.0	808.2	4.114	34.114	4.055	27.069	27.076	31.688	30.773	1467.3	105.137	.16	4.35
850.0	858.8	3.908	34.125	3.846	27.099	27.105	31.723	31.037	1466.5	102.357	.10	5.91
900.0	909.4	3.639	34.160	3.575	27.154	27.161	31.785	31.327	1465.5	97.029	.00	10.52

STATION 98

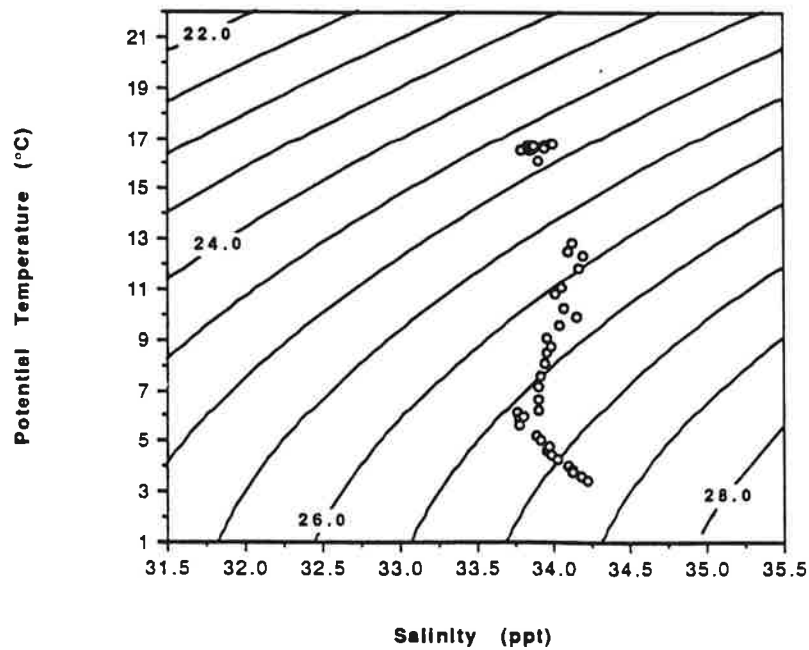
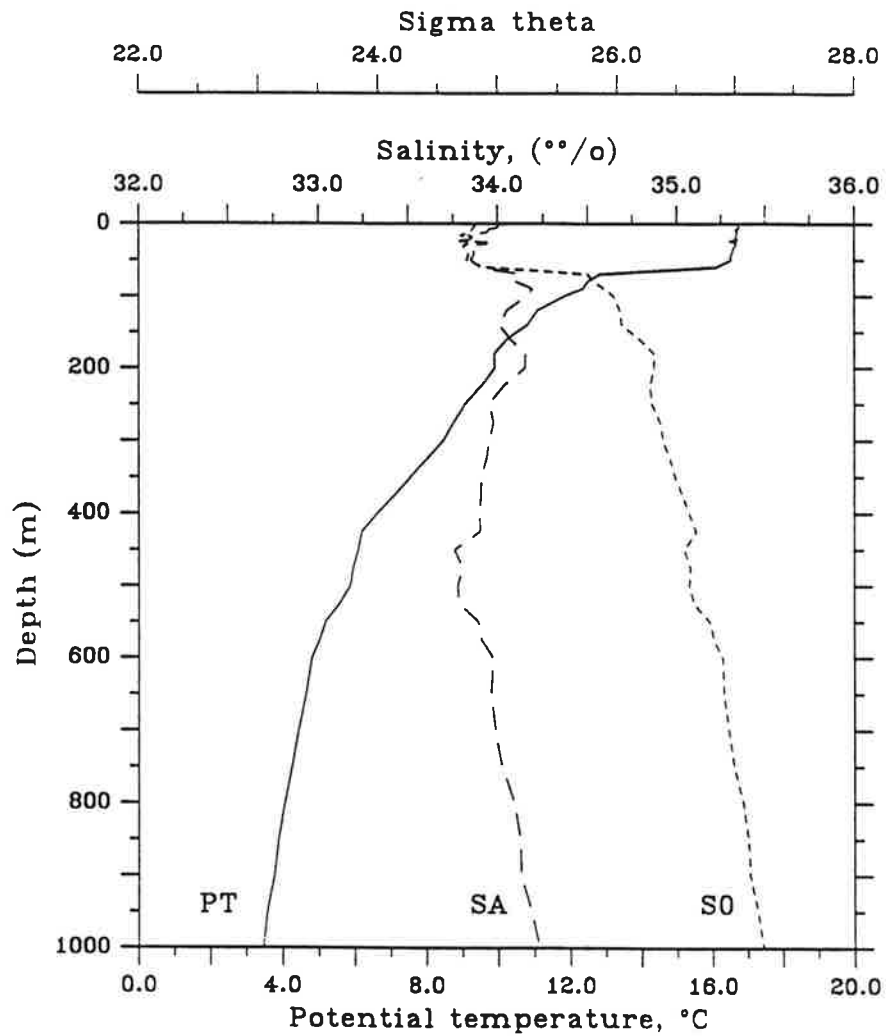


## STATION 99

LATITUDE: 37.7361 N LONGITUDE: 161.0194 W DATE: 15 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNN	BVA1
.0	.0	16.750	34.007	16.750	24.812	24.812	29.185	24.812	1510.9	312.712	1.58	.00
2.0	2.0	16.750	34.007	16.750	24.812	24.812	29.185	24.820	1510.9	312.772	1.55	.33
4.0	4.0	16.750	34.007	16.750	24.812	24.812	29.185	24.829	1510.9	312.832	1.54	-17.36
6.0	6.1	16.776	33.989	16.775	24.792	24.793	29.166	24.819	1511.0	314.720	1.54	-6.59
8.0	8.1	16.660	33.951	16.659	24.790	24.790	29.165	24.825	1510.6	315.043	1.53	-14.96
10.0	10.1	16.719	33.950	16.718	24.775	24.776	29.150	24.820	1510.8	316.462	1.53	-11.24
12.0	12.1	16.725	33.941	16.723	24.767	24.768	29.142	24.821	1510.8	317.289	1.52	-24.83
14.0	14.2	16.687	33.878	16.684	24.728	24.729	29.103	24.790	1510.6	321.088	1.51	-23.98
16.0	16.2	16.691	33.832	16.689	24.691	24.692	29.067	24.763	1510.6	324.637	1.51	18.42
18.0	18.2	16.697	33.862	16.694	24.713	24.714	29.088	24.793	1510.6	322.639	1.50	9.33
20.0	20.2	16.657	33.857	16.654	24.719	24.719	29.095	24.808	1510.5	322.171	1.49	-21.75
22.0	22.2	16.737	33.842	16.734	24.688	24.689	29.064	24.786	1510.7	325.102	1.49	14.42
24.0	24.3	16.505	33.789	16.501	24.701	24.702	29.080	24.809	1510.0	323.893	1.48	34.44
26.0	26.3	16.693	33.944	16.689	24.777	24.778	29.152	24.893	1510.7	316.767	1.47	-8.69
28.0	28.3	16.695	33.939	16.690	24.772	24.773	29.148	24.897	1510.7	317.285	1.47	-30.91
30.0	30.3	16.669	33.851	16.664	24.711	24.712	29.088	24.845	1510.6	323.138	1.46	10.07
35.0	35.4	16.597	33.851	16.591	24.728	24.729	29.105	24.884	1510.3	321.746	1.45	11.04
40.0	40.4	16.586	33.873	16.579	24.747	24.748	29.125	24.925	1510.3	320.048	1.44	6.86
45.0	45.5	16.526	33.864	16.519	24.754	24.756	29.133	24.955	1510.2	319.481	1.42	-10.11
50.0	50.5	16.546	33.849	16.538	24.738	24.740	29.117	24.961	1510.2	321.181	1.40	21.24
60.0	60.7	16.121	33.909	16.112	24.882	24.884	29.267	25.149	1509.0	307.769	1.39	52.15
70.0	70.8	12.845	34.127	12.835	25.748	25.750	30.183	26.063	1498.7	225.382	1.36	12.05
80.0	80.9	12.505	34.101	12.495	25.794	25.796	30.236	26.155	1497.6	221.197	1.33	17.50
90.0	91.0	12.370	34.193	12.358	25.892	25.894	30.335	26.297	1497.3	212.159	1.31	15.32
100.0	101.1	11.862	34.164	11.850	25.966	25.969	30.419	26.418	1495.5	205.224	1.28	9.17
120.0	121.3	11.101	34.052	11.086	26.020	26.022	30.487	26.563	1492.8	200.460	1.26	4.91
140.0	141.6	10.826	34.009	10.810	26.035	26.038	30.508	26.669	1491.8	199.383	1.22	15.30
160.0	161.8	10.263	34.074	10.244	26.184	26.187	30.667	26.910	1489.9	185.507	1.18	13.83
180.0	182.0	9.916	34.154	9.896	26.306	26.310	30.796	27.124	1488.8	174.255	1.14	-2.18
200.0	202.3	9.924	34.152	9.901	26.303	26.307	30.793	27.212	1488.8	174.951	1.10	-6.23
225.0	227.6	9.563	34.035	9.538	26.272	26.276	30.770	27.295	1487.4	178.243	1.07	4.23
250.0	252.9	9.092	33.955	9.065	26.286	26.290	30.794	27.425	1485.7	177.169	1.02	9.41
275.0	278.1	8.767	33.980	8.738	26.356	26.361	30.871	27.611	1484.5	170.787	.98	5.62
300.0	303.5	8.483	33.956	8.452	26.381	26.386	30.902	27.751	1483.5	168.701	.93	8.38
325.0	328.8	8.032	33.940	7.999	26.437	26.442	30.967	27.923	1481.8	163.566	.89	7.53
350.0	354.1	7.566	33.911	7.532	26.482	26.487	31.022	28.085	1480.0	159.394	.85	8.79
375.0	379.4	7.119	33.909	7.084	26.543	26.548	31.093	28.264	1478.4	153.646	.81	8.64
400.0	404.7	6.638	33.901	6.601	26.602	26.607	31.163	28.441	1476.5	148.015	.77	8.60
425.0	430.0	6.209	33.905	6.172	26.661	26.666	31.231	28.618	1474.9	142.430	.73	-11.33
450.0	455.3	6.108	33.758	6.069	26.558	26.563	31.131	28.631	1474.3	152.310	.69	8.21
475.0	480.7	5.967	33.804	5.926	26.612	26.617	31.188	28.800	1473.9	147.426	.65	-3.87
500.0	506.0	5.886	33.776	5.843	26.600	26.605	31.178	28.904	1473.6	148.773	.62	7.39
525.0	531.3	5.585	33.784	5.541	26.643	26.648	31.228	29.065	1472.4	144.650	.58	12.89
550.0	556.6	5.198	33.893	5.153	26.775	26.780	31.368	29.316	1471.0	132.025	.54	6.42
575.0	582.0	5.033	33.910	4.987	26.808	26.813	31.405	29.465	1470.4	128.999	.51	9.73
600.0	607.3	4.812	33.974	4.765	26.883	26.888	31.485	29.658	1469.6	121.883	.47	2.60
650.0	658.0	4.650	33.965	4.600	26.894	26.899	31.500	29.901	1469.0	121.145	.44	5.09
700.0	708.7	4.436	33.987	4.383	26.935	26.940	31.546	30.175	1468.3	117.426	.38	5.47
750.0	759.4	4.252	34.022	4.195	26.982	26.988	31.598	30.455	1467.6	113.118	.32	6.88
800.0	810.1	4.057	34.091	3.998	27.057	27.063	31.677	30.763	1467.0	106.162	.26	5.17
850.0	860.9	3.889	34.123	3.827	27.100	27.106	31.724	31.038	1466.4	102.285	.20	3.07
900.0	911.6	3.773	34.126	3.707	27.114	27.121	31.742	31.284	1466.0	101.053	.15	6.41
950.0	962.4	3.569	34.183	3.501	27.179	27.186	31.812	31.583	1465.3	94.897	.10	5.32
1000.0	1013.1	3.461	34.226	3.390	27.225	27.231	31.859	31.859	1465.0	90.811	.00	9.97

## STATION 99



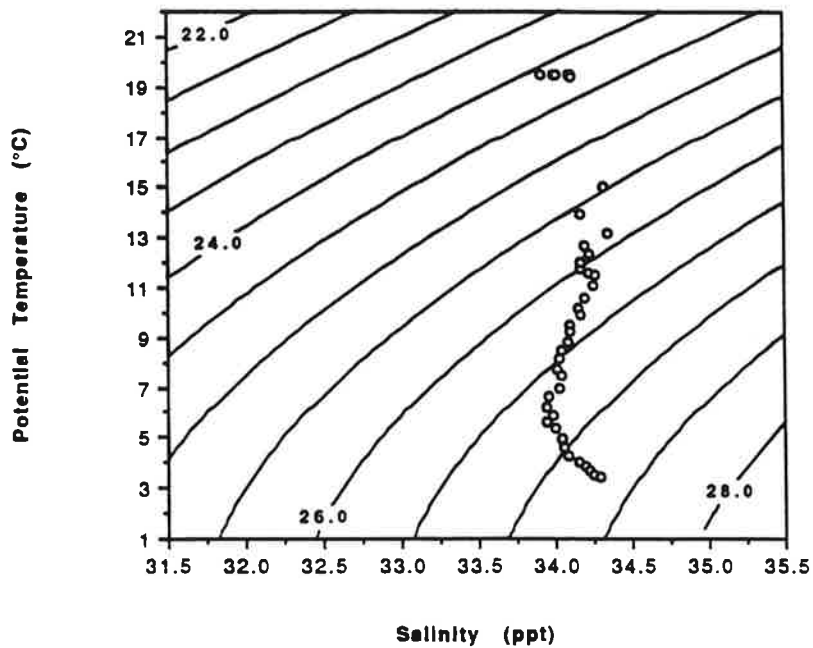
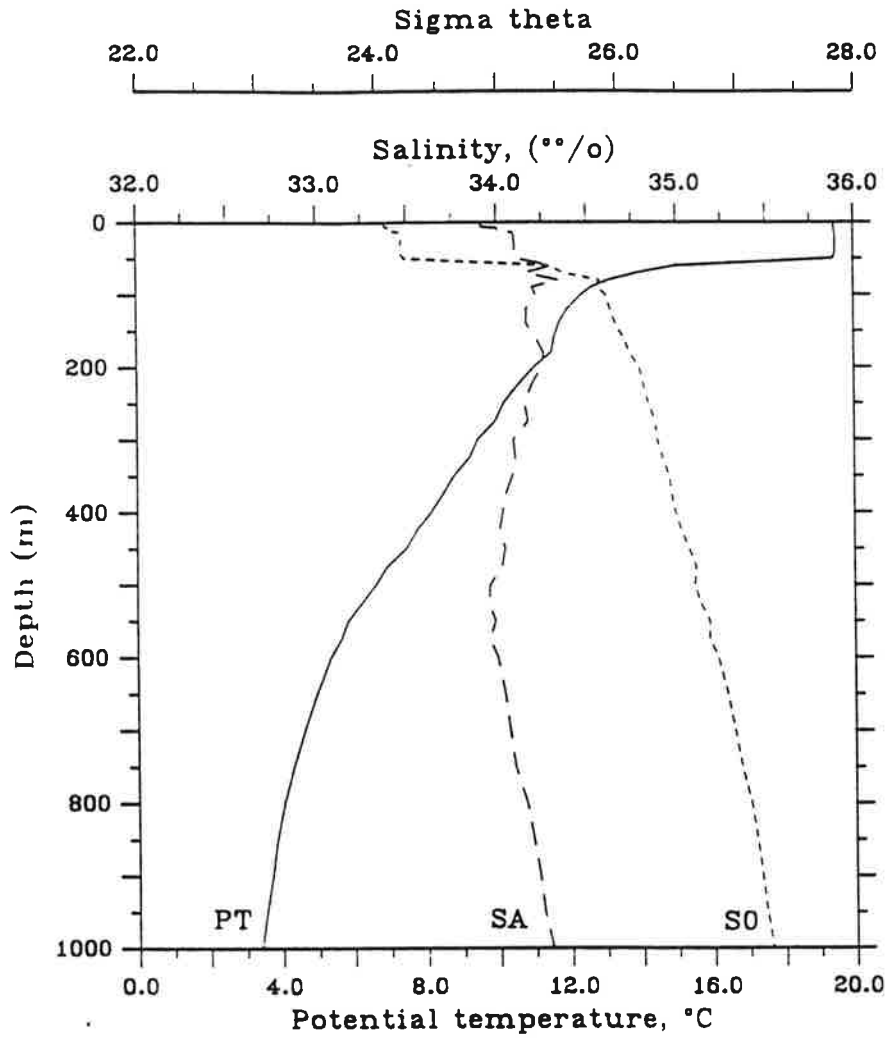
## STATION 101

LATITUDE: 37.2525 N LONGITUDE: 161.0536 W DATE: 15 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYMH	BVA1
.0	.0	19.451	33.915	19.451	24.078	24.078	28.416	24.078	1518.7	382.579	1.62	.00
2.0	2.0	19.451	33.915	19.451	24.078	24.078	28.416	24.087	1518.7	382.645	1.59	.39
4.0	4.0	19.451	33.915	19.450	24.078	24.079	28.416	24.096	1518.7	382.711	1.58	.39
6.0	6.1	19.451	33.915	19.450	24.078	24.079	28.416	24.105	1518.7	382.777	1.57	32.64
8.0	8.1	19.461	34.007	19.459	24.146	24.146	28.483	24.181	1518.9	376.376	1.57	.39
10.0	10.1	19.461	34.007	19.459	24.146	24.147	28.483	24.190	1518.9	376.442	1.56	-8.53
12.0	12.1	19.458	34.000	19.456	24.142	24.142	28.479	24.194	1518.8	376.951	1.55	32.27
14.0	14.1	19.480	34.095	19.477	24.208	24.208	28.544	24.270	1519.0	370.700	1.54	-3.13
16.0	16.2	19.487	34.096	19.484	24.207	24.208	28.544	24.278	1519.0	370.827	1.53	8.24
18.0	18.2	19.483	34.101	19.480	24.211	24.212	28.548	24.291	1519.0	370.482	1.53	-.82
20.0	20.2	19.484	34.101	19.480	24.211	24.212	28.548	24.300	1519.0	370.553	1.52	1.32
22.0	22.2	19.485	34.101	19.480	24.212	24.212	28.548	24.309	1519.1	370.610	1.51	2.86
24.0	24.2	19.484	34.102	19.480	24.212	24.213	28.549	24.318	1519.1	370.627	1.50	4.58
26.0	26.2	19.483	34.103	19.478	24.213	24.215	28.550	24.328	1519.1	370.567	1.50	3.82
28.0	28.3	19.482	34.104	19.476	24.214	24.216	28.551	24.338	1519.1	370.546	1.49	-4.64
30.0	30.3	19.485	34.103	19.479	24.213	24.214	28.550	24.346	1519.1	370.744	1.48	3.96
35.0	35.3	19.483	34.106	19.477	24.215	24.217	28.553	24.370	1519.1	370.674	1.47	-5.34
40.0	40.4	19.487	34.101	19.479	24.211	24.213	28.549	24.388	1519.1	371.274	1.46	3.92
45.0	45.4	19.472	34.099	19.464	24.213	24.215	28.551	24.412	1519.1	371.208	1.44	12.29
50.0	50.5	19.418	34.112	19.409	24.237	24.240	28.576	24.458	1518.9	369.081	1.42	61.63
60.0	60.6	14.998	34.316	14.989	25.446	25.448	29.845	25.714	1506.0	254.020	1.40	18.79
70.0	70.7	13.928	34.166	13.918	25.559	25.560	29.976	25.873	1502.4	243.504	1.37	30.64
80.0	80.8	13.150	34.347	13.139	25.858	25.860	30.287	26.217	1500.0	215.256	1.34	-6.62
90.0	90.9	12.647	34.200	12.635	25.844	25.846	30.282	26.249	1498.2	216.767	1.32	14.56
100.0	101.0	12.375	34.219	12.362	25.911	25.914	30.355	26.362	1497.3	210.558	1.30	7.75
120.0	121.2	11.969	34.168	11.953	25.949	25.952	30.401	26.491	1495.9	207.337	1.27	8.24
140.0	141.4	11.737	34.167	11.719	25.992	25.996	30.448	26.625	1495.1	203.656	1.23	10.37
160.0	161.6	11.599	34.222	11.578	26.061	26.065	30.519	26.784	1494.8	197.592	1.19	8.36
180.0	181.8	11.522	34.261	11.499	26.105	26.110	30.565	26.919	1494.6	193.806	1.15	11.17
200.0	202.0	11.040	34.250	11.015	26.185	26.189	30.654	27.090	1492.9	186.566	1.11	6.77
225.0	227.2	10.586	34.193	10.559	26.221	26.226	30.699	27.241	1491.3	183.490	1.07	7.10
250.0	252.5	10.186	34.155	10.157	26.261	26.266	30.747	27.395	1489.9	180.050	1.02	8.42
275.0	277.8	9.935	34.173	9.903	26.317	26.323	30.808	27.566	1489.0	175.107	.98	4.50
300.0	303.0	9.456	34.091	9.422	26.333	26.339	30.834	27.697	1487.2	173.832	.93	7.55
325.0	328.3	9.223	34.101	9.188	26.378	26.384	30.884	27.857	1486.4	169.889	.89	8.33
350.0	353.6	8.794	34.084	8.756	26.434	26.440	30.948	28.028	1484.9	164.857	.84	4.86
375.0	378.9	8.486	34.047	8.447	26.452	26.458	30.974	28.163	1483.7	163.319	.80	6.55
400.0	404.1	8.164	34.028	8.123	26.486	26.492	31.014	28.313	1482.5	160.284	.76	7.65
425.0	429.4	7.758	34.010	7.716	26.532	26.539	31.069	28.476	1481.0	155.975	.72	9.01
450.0	454.7	7.469	34.040	7.425	26.597	26.603	31.140	28.656	1480.0	150.021	.68	8.74
475.0	480.0	6.936	34.022	6.892	26.657	26.663	31.212	28.836	1478.0	144.176	.64	-3.99
500.0	505.3	6.632	33.953	6.587	26.644	26.650	31.206	28.940	1476.7	145.429	.60	7.57
525.0	530.6	6.250	33.948	6.203	26.690	26.695	31.259	29.104	1475.3	141.067	.56	9.93
550.0	555.9	5.852	33.983	5.805	26.768	26.774	31.346	29.300	1473.8	133.545	.53	-1.29
575.0	581.2	5.656	33.951	5.607	26.766	26.772	31.349	29.416	1473.0	133.743	.49	9.42
600.0	606.5	5.360	33.995	5.311	26.837	26.842	31.426	29.604	1471.9	127.017	.46	6.99
650.0	657.1	4.968	34.035	4.916	26.914	26.920	31.513	29.916	1470.4	119.732	.42	6.14
700.0	707.7	4.625	34.062	4.571	26.974	26.980	31.580	30.210	1469.1	114.098	.36	5.92
750.0	758.4	4.318	34.090	4.261	27.029	27.035	31.643	30.500	1468.0	108.849	.30	7.06
800.0	809.0	4.048	34.154	3.989	27.108	27.114	31.728	30.813	1467.0	101.399	.24	5.48
850.0	859.7	3.853	34.188	3.792	27.156	27.162	31.780	31.094	1466.3	96.986	.19	5.11
900.0	910.4	3.711	34.222	3.646	27.197	27.203	31.825	31.367	1465.9	93.218	.14	4.72
950.0	961.0	3.548	34.247	3.481	27.232	27.239	31.864	31.635	1465.3	89.950	.09	5.53
1000.0	1011.7	3.404	34.290	3.333	27.281	27.287	31.916	31.916	1464.8	85.457	.00	9.57



## STATION 101

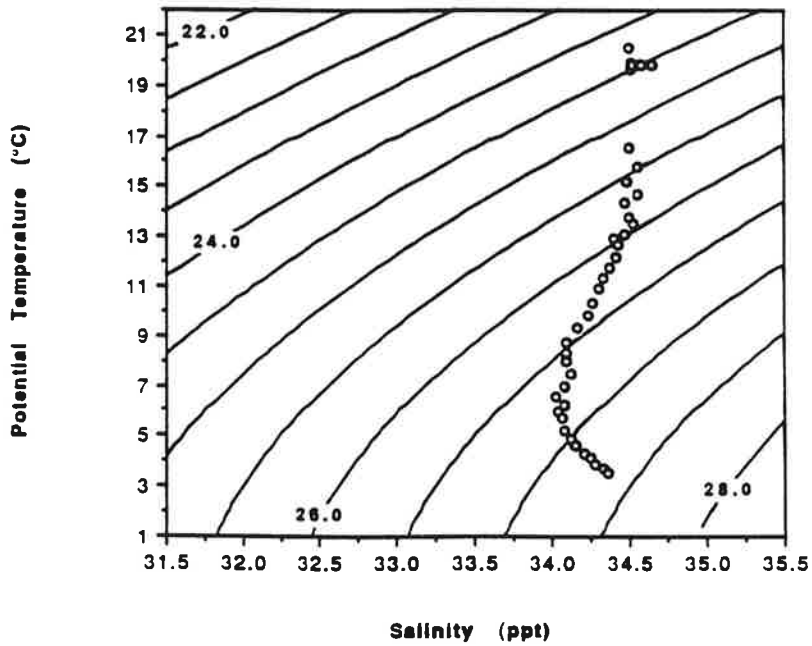
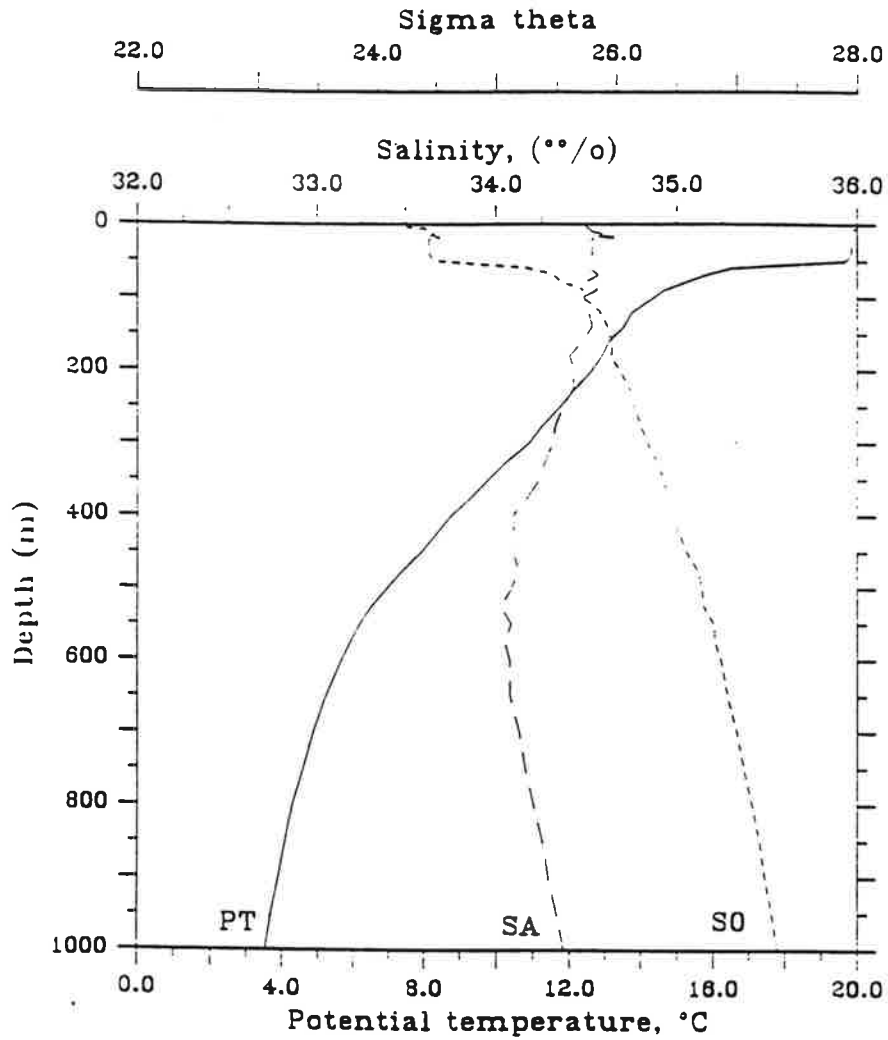


## STATION 103

LATITUDE: 37.3611 N LONGITUDE: 170.4756 W DATE: 28 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	20.455	34.495	20.455	24.257	24.257	28.579	24.257	1522.2	365.496	1.63	.00
2.0	2.0	20.455	34.495	20.455	24.257	24.258	28.579	24.266	1522.2	365.565	1.60	.40
4.0	4.0	20.455	34.495	20.455	24.257	24.258	28.580	24.275	1522.2	365.634	1.60	49.44
6.0	6.1	19.911	34.511	19.910	24.413	24.413	28.742	24.440	1520.7	350.869	1.59	20.60
8.0	8.1	19.846	34.524	19.844	24.440	24.441	28.770	24.476	1520.5	348.363	1.58	.40
10.0	10.1	19.846	34.524	19.844	24.440	24.441	28.770	24.484	1520.5	348.431	1.57	22.04
12.0	12.1	19.845	34.564	19.843	24.471	24.472	28.800	24.524	1520.6	345.553	1.57	16.83
14.0	14.2	19.850	34.589	19.847	24.489	24.490	28.818	24.551	1520.6	343.904	1.56	-26.28
16.0	16.2	19.856	34.534	19.854	24.445	24.446	28.775	24.516	1520.6	348.163	1.55	37.68
18.0	18.2	19.854	34.651	19.850	24.535	24.536	28.865	24.615	1520.7	339.621	1.55	-37.29
20.0	20.2	19.834	34.528	19.830	24.447	24.448	28.777	24.535	1520.5	348.125	1.54	-4.62
22.0	22.2	19.837	34.528	19.833	24.446	24.447	28.776	24.543	1520.5	348.324	1.53	-7.65
24.0	24.3	19.840	34.524	19.836	24.442	24.443	28.772	24.548	1520.5	348.748	1.52	7.90
26.0	26.3	19.838	34.528	19.833	24.446	24.447	28.776	24.561	1520.5	348.439	1.52	-6.42
28.0	28.3	19.840	34.526	19.835	24.443	24.444	28.774	24.567	1520.5	348.758	1.51	4.36
30.0	30.3	19.840	34.527	19.834	24.444	24.446	28.775	24.577	1520.5	348.711	1.50	4.58
35.0	35.4	19.838	34.531	19.832	24.448	24.449	28.778	24.602	1520.5	348.565	1.50	-1.91
40.0	40.5	19.841	34.531	19.833	24.447	24.449	28.778	24.624	1520.6	348.792	1.48	9.22
45.0	45.5	19.774	34.526	19.766	24.461	24.463	28.793	24.659	1520.4	347.672	1.46	12.34
50.0	50.6	19.635	34.510	19.626	24.485	24.487	28.819	24.706	1520.0	345.527	1.44	49.07
60.0	60.7	16.509	34.506	16.499	25.251	25.253	29.627	25.518	1510.9	272.684	1.42	25.86
70.0	70.8	15.758	34.559	15.747	25.464	25.467	29.851	25.777	1508.6	252.668	1.39	14.80
80.0	80.9	15.197	34.487	15.185	25.534	25.537	29.930	25.891	1506.8	246.272	1.37	23.28
90.0	91.0	14.653	34.557	14.640	25.706	25.709	30.111	26.109	1505.2	230.091	1.34	-2.41
100.0	101.1	14.375	34.477	14.360	25.705	25.708	30.114	26.152	1504.2	230.507	1.32	15.21
120.0	121.4	13.780	34.506	13.763	25.852	25.856	30.271	26.390	1502.4	216.951	1.29	9.94
140.0	141.6	13.547	34.525	13.527	25.915	25.919	30.338	26.543	1501.7	211.468	1.25	8.48
160.0	161.9	13.128	34.474	13.106	25.960	25.965	30.392	26.679	1500.2	207.547	1.20	-4.17
180.0	182.1	12.913	34.404	12.889	25.949	25.954	30.385	26.758	1499.5	209.051	1.16	10.84
200.0	202.3	12.638	34.431	12.611	26.024	26.029	30.465	26.924	1498.6	202.374	1.12	10.37
225.0	227.6	12.166	34.423	12.137	26.110	26.115	30.559	27.123	1497.1	194.709	1.08	6.76
250.0	253.0	11.755	34.369	11.723	26.146	26.152	30.603	27.273	1495.6	191.693	1.03	8.19
275.0	278.3	11.292	34.327	11.258	26.199	26.205	30.665	27.441	1494.0	187.005	.98	8.60
300.0	303.6	10.902	34.312	10.865	26.258	26.264	30.731	27.614	1492.7	181.800	.93	9.54
325.0	328.9	10.305	34.270	10.267	26.330	26.337	30.815	27.802	1490.6	175.156	.88	8.77
350.0	354.2	9.802	34.238	9.762	26.391	26.398	30.886	27.979	1488.8	169.583	.84	5.76
375.0	379.5	9.325	34.171	9.284	26.417	26.424	30.921	28.121	1487.0	167.270	.79	6.00
400.0	404.9	8.766	34.093	8.723	26.445	26.452	30.961	28.267	1484.9	164.628	.75	9.41
425.0	430.2	8.348	34.101	8.304	26.515	26.522	31.040	28.454	1483.4	158.087	.71	8.59
450.0	455.5	7.937	34.097	7.891	26.574	26.581	31.107	28.629	1481.8	152.622	.66	10.84
475.0	480.9	7.429	34.122	7.383	26.667	26.674	31.211	28.841	1480.0	143.754	.63	6.73
500.0	506.2	6.970	34.086	6.923	26.703	26.709	31.256	28.995	1478.2	140.293	.59	4.20
525.0	531.5	6.532	34.028	6.484	26.716	26.723	31.280	29.127	1476.5	138.877	.55	10.46
550.0	556.9	6.195	34.083	6.146	26.803	26.809	31.374	29.332	1475.3	130.644	.52	3.10
575.0	582.2	5.922	34.048	5.872	26.810	26.817	31.387	29.456	1474.2	129.929	.48	8.16
600.0	607.6	5.667	34.075	5.616	26.863	26.869	31.446	29.627	1473.2	124.983	.45	5.85
650.0	658.3	5.226	34.076	5.173	26.917	26.923	31.510	29.915	1471.5	119.828	.42	7.08
700.0	709.0	4.882	34.127	4.826	26.997	27.003	31.597	30.229	1470.3	112.369	.35	6.01
750.0	759.7	4.601	34.159	4.542	27.054	27.060	31.661	30.520	1469.3	107.039	.29	6.62
800.0	810.4	4.292	34.205	4.232	27.123	27.130	31.737	30.823	1468.1	100.448	.24	6.17
850.0	861.2	4.088	34.254	4.024	27.184	27.190	31.802	31.117	1467.4	94.854	.18	5.15
900.0	912.0	3.897	34.282	3.831	27.226	27.232	31.849	31.392	1466.7	90.965	.14	5.97
950.0	962.7	3.690	34.327	3.621	27.282	27.289	31.910	31.682	1466.0	85.643	.09	5.44
1000.0	1013.5	3.530	34.366	3.458	27.329	27.336	31.961	31.961	1465.5	81.276	.00	10.60

## STATION 103

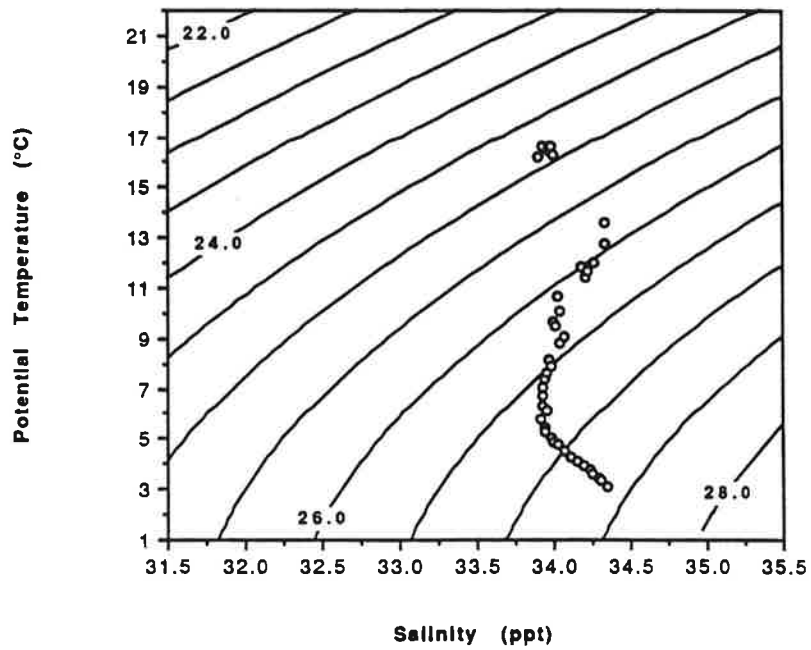
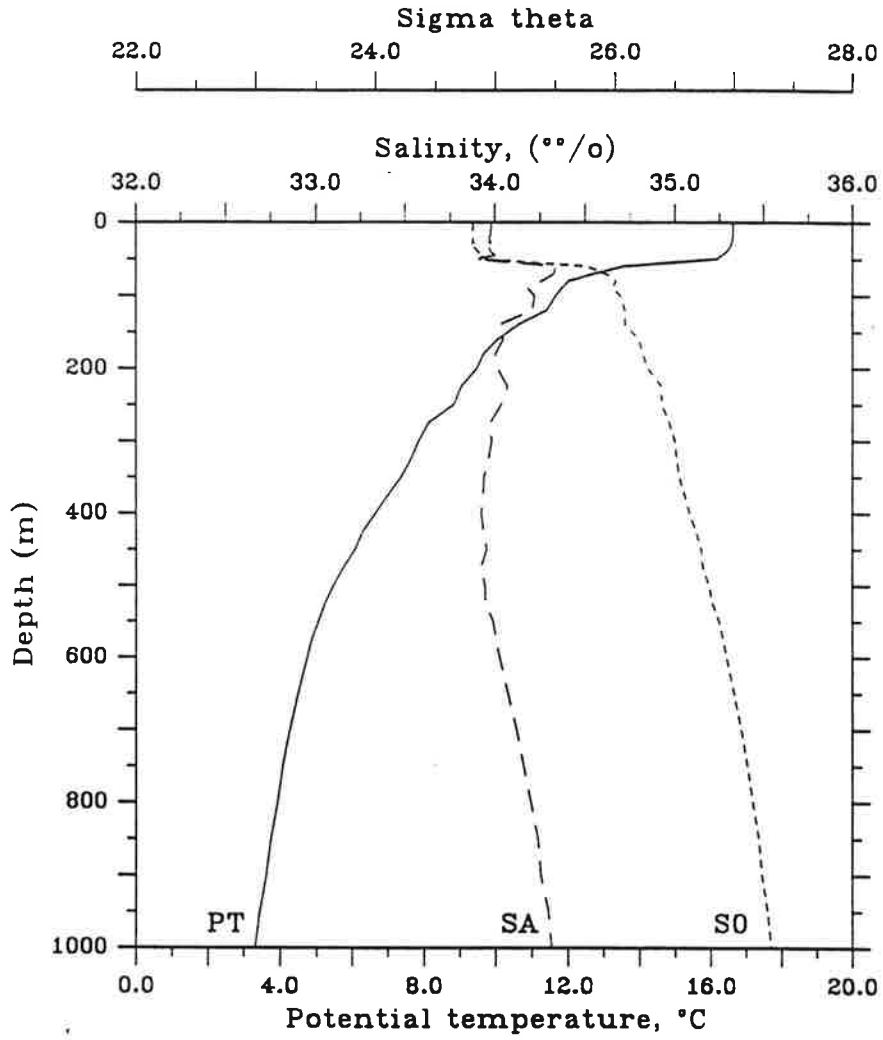


## STATION 109

LATITUDE: 38.6236 N LONGITUDE: 170.9314 W DATE: 28 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	16.639	33.979	16.639	24.816	24.816	29.191	24.816	1510.6	312.274	1.56	.00
2.0	2.0	16.639	33.979	16.639	24.816	24.816	29.191	24.825	1510.6	312.334	1.54	.33
4.0	4.0	16.639	33.979	16.639	24.816	24.816	29.191	24.834	1510.6	312.393	1.53	.33
6.0	6.0	16.639	33.979	16.639	24.816	24.816	29.191	24.843	1510.6	312.453	1.53	.33
8.0	8.1	16.639	33.979	16.638	24.816	24.816	29.191	24.852	1510.6	312.513	1.52	.33
10.0	10.1	16.639	33.979	16.638	24.816	24.816	29.191	24.861	1510.6	312.572	1.51	-7.52
12.0	12.1	16.639	33.974	16.638	24.813	24.813	29.188	24.866	1510.6	312.976	1.51	8.31
14.0	14.1	16.632	33.978	16.629	24.817	24.817	29.193	24.879	1510.6	312.617	1.50	-2.28
16.0	16.1	16.631	33.977	16.629	24.816	24.817	29.192	24.888	1510.6	312.708	1.49	-7.43
18.0	18.1	16.638	33.975	16.635	24.813	24.814	29.189	24.893	1510.6	313.104	1.49	-7.36
20.0	20.1	16.638	33.970	16.635	24.810	24.810	29.185	24.899	1510.6	313.493	1.48	6.54
22.0	22.1	16.629	33.971	16.626	24.812	24.813	29.188	24.910	1510.6	313.294	1.48	4.14
24.0	24.2	16.630	33.972	16.626	24.813	24.814	29.189	24.920	1510.6	313.250	1.47	6.78
26.0	26.2	16.616	33.972	16.611	24.816	24.817	29.193	24.932	1510.5	313.031	1.46	11.04
28.0	28.2	16.606	33.979	16.601	24.824	24.825	29.201	24.949	1510.5	312.352	1.46	-22.72
30.0	30.2	16.593	33.932	16.588	24.791	24.792	29.168	24.925	1510.4	315.540	1.45	16.08
35.0	35.2	16.535	33.969	16.530	24.832	24.834	29.210	24.988	1510.3	311.771	1.44	12.25
40.0	40.3	16.459	33.977	16.452	24.856	24.858	29.235	25.035	1510.1	309.643	1.43	18.22
45.0	45.3	16.314	34.002	16.307	24.909	24.911	29.290	25.110	1509.7	304.753	1.41	-16.48
50.0	50.3	16.170	33.903	16.162	24.866	24.868	29.250	25.089	1509.1	309.007	1.40	53.10
60.0	60.4	13.569	34.336	13.561	25.764	25.766	30.185	26.033	1501.4	223.692	1.38	22.07
70.0	70.5	12.761	34.326	12.752	25.919	25.921	30.354	26.234	1498.7	209.125	1.35	16.70
80.0	80.5	12.043	34.262	12.032	26.008	26.010	30.456	26.369	1496.2	200.842	1.33	-9.35
90.0	90.6	11.858	34.181	11.846	25.980	25.982	30.432	26.386	1495.5	203.700	1.31	13.97
100.0	100.7	11.689	34.220	11.676	26.042	26.045	30.497	26.494	1495.0	198.007	1.29	7.71
120.0	120.8	11.433	34.207	11.418	26.080	26.083	30.540	26.623	1494.1	194.824	1.27	.95
140.0	141.0	10.642	34.025	10.625	26.080	26.083	30.556	26.715	1491.2	195.037	1.23	13.41
160.0	161.1	10.082	34.048	10.063	26.195	26.198	30.681	26.922	1489.2	184.449	1.19	7.11
180.0	181.3	9.686	34.004	9.665	26.227	26.230	30.722	27.046	1487.8	181.676	1.15	7.96
200.0	201.4	9.494	34.015	9.472	26.267	26.271	30.766	27.177	1487.1	178.176	1.11	11.87
225.0	226.6	9.061	34.069	9.037	26.379	26.383	30.886	27.405	1485.6	167.855	1.08	3.04
250.0	251.8	8.851	34.035	8.825	26.387	26.391	30.899	27.527	1484.9	167.528	1.03	8.72
275.0	277.0	8.144	33.974	8.117	26.447	26.451	30.974	27.704	1482.2	161.883	.99	7.66
300.0	302.2	7.871	33.982	7.841	26.493	26.498	31.026	27.866	1481.2	157.723	.95	4.50
325.0	327.4	7.665	33.964	7.633	26.509	26.514	31.047	27.998	1480.4	156.478	.91	5.01
350.0	352.6	7.387	33.939	7.353	26.529	26.534	31.073	28.133	1479.4	154.797	.87	7.70
375.0	377.8	7.023	33.934	6.988	26.576	26.581	31.128	28.297	1478.0	150.449	.83	7.03
400.0	403.0	6.673	33.924	6.637	26.615	26.620	31.175	28.453	1476.7	146.820	.79	8.42
425.0	428.2	6.320	33.936	6.282	26.672	26.676	31.238	28.627	1475.4	141.534	.75	7.31
450.0	453.4	6.095	33.954	6.056	26.714	26.719	31.286	28.786	1474.5	137.643	.71	4.38
475.0	478.6	5.775	33.922	5.735	26.729	26.734	31.308	28.919	1473.3	136.208	.68	8.12
500.0	503.9	5.487	33.944	5.445	26.781	26.786	31.367	29.089	1472.2	131.266	.64	6.20
525.0	529.1	5.250	33.947	5.207	26.812	26.816	31.403	29.237	1471.3	128.409	.61	8.25
550.0	554.3	5.069	33.988	5.025	26.866	26.871	31.461	29.407	1470.6	123.371	.58	6.59
575.0	579.5	4.878	34.005	4.833	26.900	26.905	31.500	29.559	1469.9	120.146	.54	6.09
600.0	604.8	4.761	34.025	4.714	26.929	26.935	31.532	29.705	1469.5	117.475	.51	6.35
650.0	655.2	4.506	34.070	4.456	26.993	26.999	31.602	30.002	1468.6	111.587	.48	6.23
700.0	705.7	4.281	34.118	4.229	27.055	27.060	31.669	30.297	1467.8	105.915	.42	5.73
750.0	756.2	4.082	34.157	4.027	27.107	27.113	31.726	30.582	1467.1	101.134	.37	5.37
800.0	806.7	3.941	34.196	3.883	27.153	27.159	31.775	30.859	1466.6	97.019	.32	5.62
850.0	857.2	3.751	34.235	3.690	27.203	27.209	31.830	31.143	1466.0	92.363	.26	4.00
900.0	907.8	3.619	34.250	3.555	27.228	27.234	31.858	31.400	1465.5	90.119	.22	5.60
950.0	958.3	3.443	34.291	3.376	27.278	27.284	31.912	31.683	1464.9	85.468	.17	4.10
1000.0	1008.8	3.312	34.308	3.242	27.304	27.311	31.942	31.942	1464.5	83.038	.13	4.06
1100.0	1110.0	3.096	34.348	3.020	27.356	27.363	32.000	32.458	1463.8	78.315	.00	9.42

## STATION 109

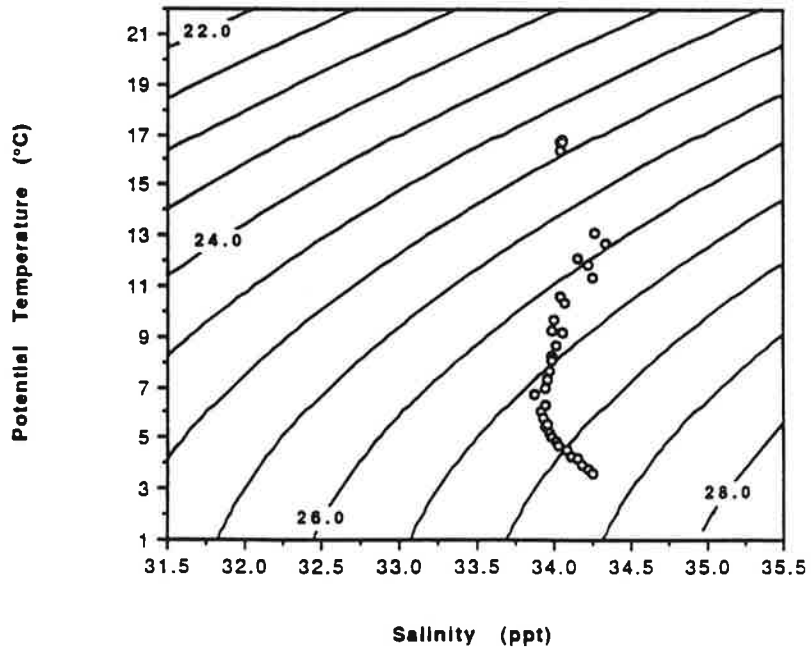
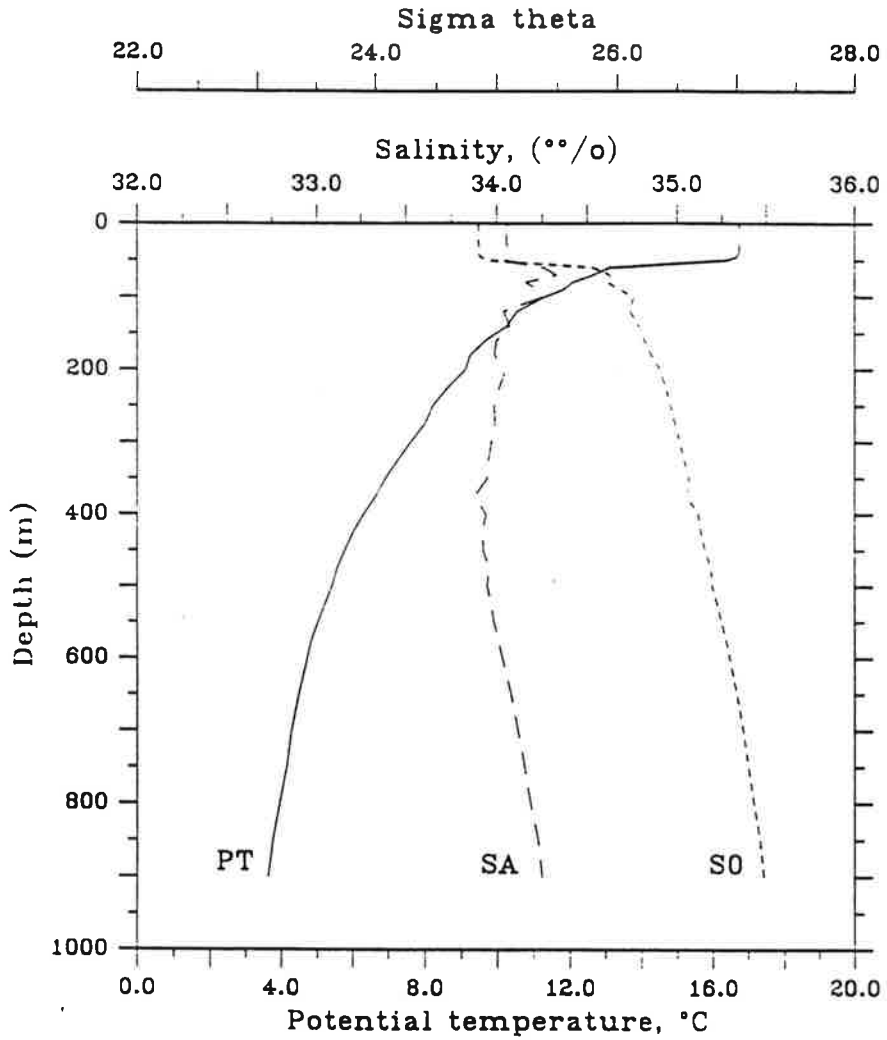


## STATION 110

LATITUDE: 38.8564 N LONGITUDE: 171.1444 W DATE: 29 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	16.761	34.057	16.761	24.848	24.848	29.221	24.848	1511.0	309.238	1.37	.00
2.0	2.0	16.761	34.057	16.761	24.848	24.848	29.221	24.857	1511.0	309.298	1.35	.33
4.0	4.0	16.761	34.057	16.760	24.848	24.848	29.221	24.866	1511.0	309.358	1.34	.33
6.0	6.0	16.761	34.057	16.760	24.848	24.848	29.221	24.875	1511.0	309.418	1.34	.33
8.0	8.1	16.761	34.057	16.760	24.848	24.848	29.221	24.884	1511.0	309.478	1.33	.33
10.0	10.1	16.761	34.057	16.760	24.848	24.848	29.221	24.893	1511.0	309.539	1.33	.33
12.0	12.1	16.761	34.057	16.759	24.848	24.848	29.221	24.902	1511.0	309.599	1.32	-4.71
14.0	14.1	16.760	34.055	16.758	24.847	24.847	29.220	24.909	1511.0	309.794	1.31	3.04
16.0	16.1	16.757	34.055	16.754	24.847	24.848	29.221	24.919	1511.0	309.799	1.31	-3.92
18.0	18.1	16.759	34.055	16.757	24.846	24.847	29.220	24.926	1511.0	309.953	1.30	-4.03
20.0	20.1	16.759	34.053	16.755	24.845	24.846	29.219	24.934	1511.0	310.112	1.29	7.75
22.0	22.2	16.756	34.057	16.753	24.849	24.850	29.223	24.947	1511.0	309.809	1.29	-5.81
24.0	24.2	16.756	34.054	16.752	24.847	24.848	29.221	24.954	1511.0	310.074	1.28	5.48
26.0	26.2	16.753	34.056	16.749	24.849	24.850	29.222	24.965	1511.0	309.953	1.27	-3.87
28.0	28.2	16.756	34.056	16.751	24.848	24.849	29.222	24.972	1511.0	310.104	1.27	8.69
30.0	30.2	16.749	34.060	16.744	24.853	24.854	29.227	24.986	1511.0	309.707	1.26	-5.92
35.0	35.2	16.751	34.053	16.746	24.847	24.848	29.221	25.003	1511.0	310.390	1.26	-2.63
40.0	40.3	16.739	34.048	16.732	24.846	24.847	29.221	25.024	1511.0	310.646	1.24	9.42
45.0	45.3	16.689	34.051	16.681	24.860	24.862	29.236	25.060	1510.9	309.450	1.22	20.42
50.0	50.4	16.380	34.044	16.372	24.926	24.928	29.306	25.149	1509.9	303.263	1.21	52.16
60.0	60.4	13.128	34.258	13.120	25.793	25.795	30.222	26.063	1499.8	220.892	1.19	21.40
70.0	70.5	12.667	34.328	12.657	25.939	25.941	30.376	26.254	1498.4	207.234	1.17	-8.06
80.0	80.6	12.097	34.159	12.086	25.918	25.920	30.366	26.279	1496.3	209.378	1.14	17.95
90.0	90.7	11.833	34.227	11.821	26.021	26.023	30.473	26.427	1495.5	199.837	1.12	18.95
100.0	100.7	11.316	34.251	11.303	26.135	26.137	30.597	26.587	1493.7	189.124	1.10	-6.89
120.0	120.9	10.561	34.038	10.547	26.105	26.107	30.581	26.649	1490.9	192.296	1.08	10.86
140.0	141.0	10.285	34.073	10.269	26.180	26.183	30.662	26.815	1489.9	185.522	1.04	8.35
160.0	161.2	9.681	33.999	9.663	26.224	26.227	30.719	26.952	1487.7	181.557	1.00	9.67
180.0	181.3	9.263	33.987	9.244	26.283	26.287	30.787	27.104	1486.2	176.167	.97	10.49
200.0	201.5	9.127	34.049	9.106	26.354	26.357	30.859	27.265	1485.8	169.859	.93	7.84
225.0	226.7	8.642	34.014	8.618	26.402	26.406	30.918	27.430	1484.0	165.486	.90	7.15
250.0	251.9	8.228	33.985	8.203	26.443	26.447	30.968	27.586	1482.5	161.878	.85	6.78
275.0	277.1	8.015	33.991	7.988	26.479	26.483	31.009	27.737	1481.7	158.729	.81	7.07
300.0	302.3	7.630	33.970	7.601	26.519	26.523	31.057	27.893	1480.3	155.153	.77	6.94
325.0	327.5	7.277	33.955	7.246	26.557	26.562	31.103	28.048	1478.9	151.700	.73	7.17
350.0	352.8	6.944	33.948	6.912	26.598	26.602	31.151	28.205	1477.7	147.983	.69	-4.95
375.0	378.0	6.673	33.877	6.639	26.578	26.583	31.138	28.302	1476.6	149.987	.65	10.98
400.0	403.2	6.322	33.940	6.287	26.674	26.678	31.240	28.515	1475.3	140.985	.61	5.22
425.0	428.4	6.025	33.919	5.988	26.695	26.700	31.269	28.654	1474.2	139.010	.58	6.53
450.0	453.6	5.793	33.925	5.755	26.729	26.734	31.308	28.804	1473.3	135.908	.54	8.03
475.0	478.9	5.566	33.955	5.527	26.780	26.785	31.364	28.972	1472.5	131.145	.51	3.45
500.0	504.1	5.425	33.945	5.384	26.790	26.795	31.377	29.098	1471.9	130.393	.47	7.32
525.0	529.3	5.224	33.969	5.181	26.832	26.837	31.424	29.257	1471.2	126.431	.44	6.35
550.0	554.6	5.031	33.981	4.988	26.864	26.869	31.460	29.406	1470.5	123.460	.41	7.23
575.0	579.8	4.847	34.007	4.802	26.906	26.911	31.506	29.565	1469.8	119.576	.37	6.20
600.0	605.1	4.727	34.029	4.680	26.936	26.941	31.539	29.712	1469.4	116.799	.34	6.36
650.0	655.5	4.496	34.078	4.447	27.000	27.006	31.609	30.009	1468.6	110.910	.31	5.74
700.0	706.1	4.288	34.116	4.236	27.053	27.058	31.666	30.294	1467.8	106.142	.26	5.18
750.0	756.6	4.156	34.152	4.101	27.095	27.101	31.712	30.569	1467.4	102.361	.20	5.37
800.0	807.1	3.960	34.184	3.901	27.141	27.147	31.763	30.847	1466.7	98.150	.15	5.74
850.0	857.6	3.769	34.225	3.707	27.193	27.199	31.820	31.133	1466.0	93.292	.10	4.32
900.0	908.2	3.636	34.246	3.572	27.223	27.229	31.853	31.395	1465.6	90.652	.00	9.18

## STATION 110



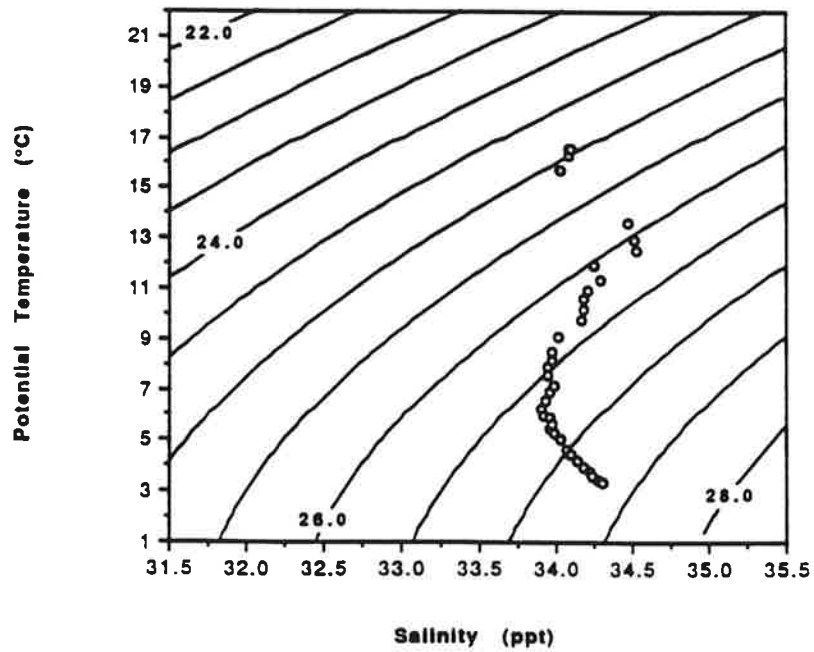
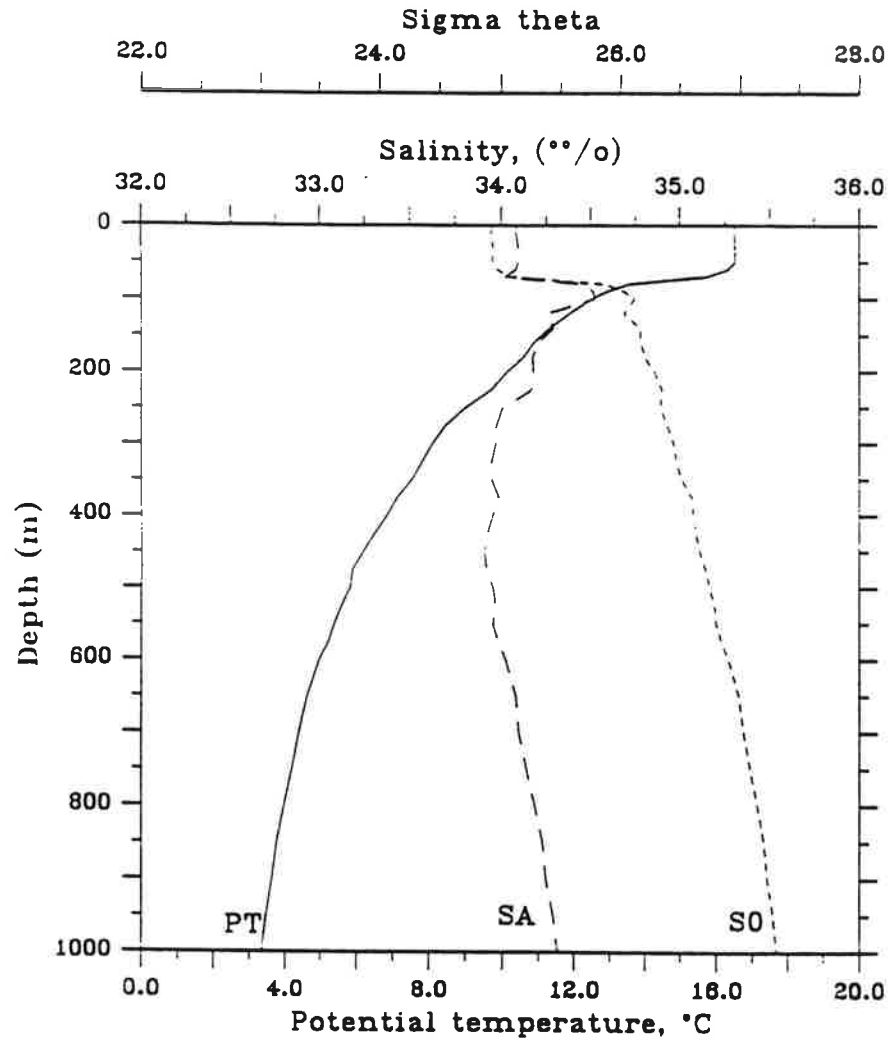
## STATION 111

LATITUDE: 39.1606 N LONGITUDE: 171.0450 W DATE: 29 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	16.514	34.080	16.514	24.923	24.923	29.299	24.923	1510.3	302.099	1.51	.00
2.0	2.0	16.514	34.080	16.513	24.923	24.923	29.299	24.932	1510.3	302.159	1.49	.33
4.0	4.0	16.514	34.080	16.513	24.923	24.923	29.299	24.941	1510.3	302.219	1.48	.33
6.0	6.0	16.514	34.080	16.513	24.923	24.923	29.299	24.950	1510.3	302.278	1.48	.33
8.0	8.1	16.514	34.080	16.512	24.923	24.923	29.300	24.959	1510.3	302.338	1.47	.33
10.0	10.1	16.514	34.080	16.512	24.923	24.923	29.300	24.968	1510.3	302.398	1.46	.33
12.0	12.1	16.514	34.080	16.512	24.923	24.924	29.300	24.976	1510.3	302.457	1.46	7.24
14.0	14.1	16.512	34.084	16.510	24.926	24.927	29.303	24.989	1510.3	302.199	1.45	-4.20
16.0	16.1	16.516	34.084	16.514	24.925	24.926	29.302	24.997	1510.3	302.367	1.45	4.94
18.0	18.1	16.516	34.086	16.514	24.927	24.927	29.304	25.007	1510.3	302.279	1.44	-1.97
20.0	20.1	16.518	34.086	16.515	24.927	24.927	29.303	25.016	1510.3	302.363	1.43	5.88
22.0	22.2	16.517	34.089	16.514	24.929	24.930	29.306	25.027	1510.3	302.214	1.43	-4.34
24.0	24.2	16.519	34.088	16.515	24.927	24.928	29.304	25.034	1510.4	302.388	1.42	8.82
26.0	26.2	16.515	34.093	16.511	24.933	24.933	29.309	25.048	1510.4	301.977	1.41	-7.61
28.0	28.2	16.519	34.089	16.514	24.929	24.930	29.306	25.054	1510.4	302.389	1.41	9.41
30.0	30.2	16.518	34.096	16.513	24.934	24.935	29.312	25.068	1510.4	301.912	1.40	-6.43
35.0	35.3	16.526	34.090	16.521	24.928	24.929	29.305	25.084	1510.4	302.690	1.40	4.13
40.0	40.3	16.520	34.092	16.514	24.931	24.932	29.308	25.109	1510.4	302.582	1.38	-3.51
45.0	45.3	16.524	34.090	16.517	24.928	24.930	29.306	25.129	1510.4	302.920	1.37	.77
50.0	50.4	16.524	34.090	16.516	24.929	24.930	29.306	25.151	1510.4	303.061	1.35	10.92
60.0	60.4	16.328	34.081	16.319	24.967	24.969	29.348	25.234	1509.8	299.731	1.33	16.76
70.0	70.5	15.737	34.022	15.726	25.056	25.058	29.446	25.368	1508.0	291.461	1.30	50.56
80.0	80.6	13.559	34.471	13.548	25.870	25.872	30.292	26.229	1501.5	214.124	1.27	22.31
90.0	90.7	12.947	34.516	12.935	26.029	26.031	30.461	26.434	1499.6	199.246	1.25	16.68
100.0	100.8	12.521	34.521	12.507	26.117	26.120	30.556	26.568	1498.2	191.023	1.23	-11.94
120.0	120.9	11.909	34.253	11.894	26.026	26.029	30.478	26.568	1495.8	200.023	1.21	14.68
140.0	141.1	11.332	34.291	11.314	26.164	26.167	30.626	26.797	1493.9	187.332	1.17	3.68
160.0	161.2	10.906	34.203	10.887	26.172	26.176	30.643	26.896	1492.3	186.854	1.13	7.11
180.0	181.4	10.600	34.174	10.578	26.204	26.208	30.681	27.020	1491.3	184.148	1.09	11.22
200.0	201.6	10.159	34.179	10.136	26.284	26.288	30.770	27.192	1489.7	176.816	1.05	8.97
225.0	226.8	9.723	34.167	9.698	26.348	26.353	30.842	27.371	1488.2	171.092	1.01	-3.97
250.0	252.0	9.036	34.007	9.009	26.335	26.340	30.844	27.475	1485.5	172.468	.97	8.66
275.0	277.2	8.488	33.974	8.459	26.395	26.399	30.915	27.650	1483.5	167.003	.93	8.11
300.0	302.4	8.130	33.971	8.100	26.447	26.451	30.975	27.818	1482.2	162.279	.88	5.39
325.0	327.6	7.851	33.948	7.818	26.470	26.475	31.004	27.957	1481.1	160.339	.84	7.43
350.0	352.9	7.560	33.950	7.526	26.514	26.519	31.054	28.117	1480.1	156.389	.80	10.40
375.0	378.1	7.161	33.988	7.126	26.600	26.605	31.148	28.319	1478.6	148.353	.76	3.80
400.0	403.3	6.879	33.953	6.842	26.611	26.616	31.166	28.447	1477.5	147.419	.72	5.34
425.0	428.5	6.541	33.924	6.502	26.633	26.638	31.196	28.587	1476.2	145.349	.68	6.02
450.0	453.8	6.229	33.909	6.190	26.662	26.667	31.232	28.733	1475.0	142.680	.65	7.66
475.0	479.0	5.927	33.920	5.886	26.708	26.713	31.285	28.897	1473.9	138.310	.61	6.75
500.0	504.2	5.865	33.956	5.822	26.745	26.750	31.322	29.048	1473.7	135.135	.57	7.18
525.0	529.5	5.623	33.970	5.579	26.785	26.791	31.368	29.206	1472.8	131.317	.54	3.72
550.0	554.7	5.427	33.954	5.382	26.796	26.802	31.384	29.334	1472.0	130.350	.50	7.44
575.0	580.0	5.259	33.984	5.212	26.840	26.846	31.432	29.494	1471.4	126.281	.47	8.70
600.0	605.2	4.997	34.022	4.949	26.900	26.906	31.498	29.673	1470.4	120.551	.44	7.18
650.0	655.7	4.654	34.076	4.603	26.982	26.987	31.587	29.988	1469.2	112.885	.41	4.99
700.0	706.3	4.409	34.092	4.356	27.021	27.027	31.632	30.261	1468.3	109.279	.35	5.90
750.0	756.8	4.206	34.135	4.150	27.076	27.082	31.692	30.549	1467.6	104.210	.29	6.21
800.0	807.4	3.976	34.181	3.917	27.138	27.144	31.759	30.844	1466.8	98.503	.24	5.91
850.0	857.9	3.773	34.225	3.711	27.193	27.199	31.819	31.132	1466.1	93.339	.18	4.19
900.0	908.5	3.633	34.243	3.569	27.221	27.227	31.851	31.393	1465.6	90.839	.14	5.53
950.0	959.0	3.464	34.283	3.397	27.269	27.276	31.903	31.674	1465.0	86.314	.09	4.41
1000.0	1009.6	3.338	34.306	3.268	27.300	27.306	31.937	31.937	1464.6	83.503	.00	8.79



## STATION 111

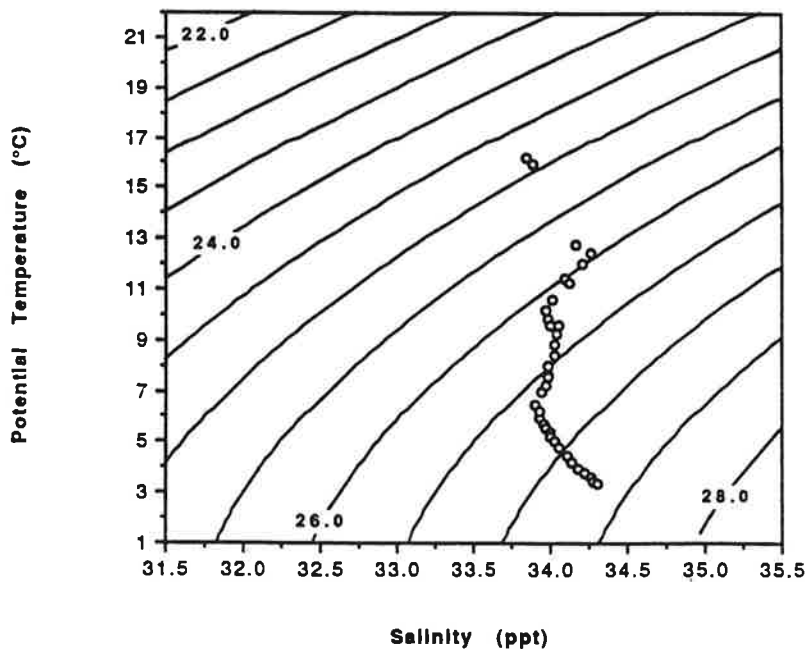
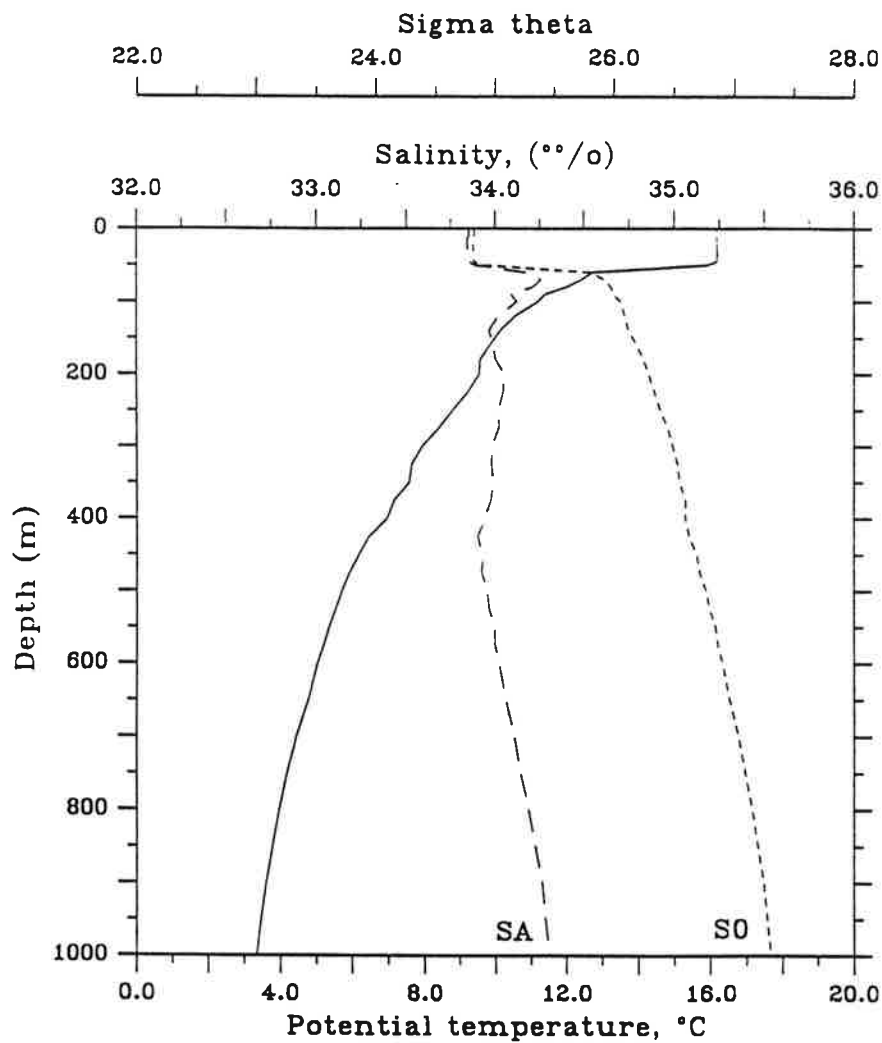


## STATION 117

LATITUDE: 40.5639 N LONGITUDE: 171.0222 W DATE: 29 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	16.185	33.854	16.185	24.825	24.825	29.207	24.825	1509.0	311.474	1.49	.00
2.0	2.0	16.185	33.854	16.185	24.825	24.825	29.207	24.833	1509.0	311.533	1.47	.33
4.0	4.0	16.185	33.854	16.184	24.825	24.825	29.207	24.842	1509.0	311.591	1.46	.33
6.0	6.0	16.185	33.854	16.184	24.825	24.825	29.207	24.851	1509.0	311.649	1.46	.33
8.0	8.1	16.185	33.854	16.184	24.825	24.825	29.207	24.860	1509.0	311.707	1.45	.33
10.0	10.1	16.185	33.854	16.183	24.825	24.825	29.207	24.869	1509.0	311.766	1.44	.33
12.0	12.1	16.185	33.854	16.183	24.825	24.825	29.207	24.878	1509.0	311.824	1.44	-12.79
14.0	14.1	16.190	33.841	16.187	24.814	24.815	29.197	24.876	1509.0	312.875	1.43	4.33
16.0	16.1	16.191	33.843	16.188	24.815	24.816	29.198	24.887	1509.1	312.820	1.42	9.02
18.0	18.1	16.191	33.850	16.188	24.821	24.821	29.203	24.901	1509.1	312.386	1.42	-9.98
20.0	20.1	16.193	33.842	16.190	24.814	24.815	29.197	24.903	1509.1	313.050	1.41	7.87
22.0	22.1	16.193	33.847	16.190	24.818	24.819	29.201	24.916	1509.1	312.733	1.41	-5.97
24.0	24.2	16.197	33.846	16.193	24.816	24.817	29.199	24.923	1509.1	313.008	1.40	4.97
26.0	26.2	16.197	33.848	16.193	24.817	24.818	29.201	24.933	1509.1	312.916	1.39	-3.80
28.0	28.2	16.200	33.847	16.196	24.816	24.817	29.200	24.941	1509.1	313.063	1.39	6.77
30.0	30.2	16.196	33.850	16.191	24.819	24.820	29.203	24.953	1509.1	312.844	1.38	-3.97
35.0	35.2	16.199	33.848	16.194	24.817	24.818	29.200	24.973	1509.1	313.230	1.37	4.23
40.0	40.3	16.198	33.851	16.191	24.820	24.821	29.203	24.998	1509.1	313.106	1.36	-3.38
45.0	45.3	16.196	33.848	16.189	24.818	24.819	29.202	25.019	1509.1	313.426	1.34	24.21
50.0	50.3	15.919	33.887	15.911	24.911	24.913	29.299	25.134	1508.3	304.671	1.33	52.90
60.0	60.4	12.742	34.171	12.734	25.802	25.804	30.239	26.073	1498.4	219.956	1.31	19.88
70.0	70.5	12.444	34.258	12.435	25.928	25.930	30.370	26.244	1497.6	208.216	1.28	12.08
80.0	80.6	12.016	34.212	12.005	25.975	25.977	30.424	26.336	1496.1	203.992	1.26	7.71
90.0	90.6	11.408	34.090	11.397	25.993	25.996	30.454	26.401	1493.8	202.340	1.24	13.97
100.0	100.7	11.207	34.123	11.195	26.056	26.058	30.520	26.508	1493.2	196.635	1.22	7.16
120.0	120.8	10.559	34.016	10.545	26.088	26.091	30.565	26.633	1490.8	193.848	1.20	7.11
140.0	141.0	10.149	33.967	10.132	26.120	26.123	30.606	26.756	1489.3	191.114	1.16	10.38
160.0	161.1	9.857	33.992	9.839	26.189	26.192	30.680	26.916	1488.3	184.936	1.12	9.30
180.0	181.3	9.573	34.002	9.553	26.244	26.247	30.741	27.063	1487.4	180.018	1.08	8.03
200.0	201.4	9.550	34.049	9.528	26.285	26.289	30.782	27.195	1487.4	176.504	1.04	7.79
225.0	226.6	9.234	34.045	9.210	26.333	26.337	30.837	27.358	1486.3	172.282	1.01	7.80
250.0	251.8	8.813	34.021	8.787	26.382	26.386	30.895	27.522	1484.7	167.969	.96	8.85
275.0	277.0	8.416	34.022	8.387	26.444	26.448	30.965	27.700	1483.3	162.315	.92	7.18
300.0	302.2	7.942	33.984	7.912	26.485	26.489	31.016	27.857	1481.5	158.597	.88	7.11
325.0	327.4	7.652	33.981	7.621	26.525	26.529	31.063	28.013	1480.4	155.018	.84	4.56
350.0	352.6	7.590	33.991	7.555	26.541	26.546	31.080	28.144	1480.2	153.810	.80	7.90
375.0	377.8	7.174	33.979	7.139	26.591	26.596	31.139	28.310	1478.7	149.206	.76	-.87
400.0	403.0	6.985	33.945	6.948	26.590	26.595	31.143	28.426	1477.9	149.488	.72	6.43
425.0	428.3	6.485	33.901	6.447	26.622	26.627	31.186	28.577	1476.0	146.317	.68	8.76
450.0	453.5	6.199	33.932	6.159	26.684	26.688	31.253	28.755	1474.9	140.623	.64	5.78
475.0	478.7	5.941	33.924	5.901	26.710	26.715	31.286	28.898	1473.9	138.184	.61	8.18
500.0	503.9	5.728	33.958	5.686	26.763	26.768	31.344	29.068	1473.2	133.254	.57	5.96
525.0	529.1	5.557	33.967	5.513	26.791	26.796	31.376	29.213	1472.5	130.698	.54	7.73
550.0	554.4	5.368	33.998	5.323	26.838	26.844	31.427	29.377	1471.8	126.293	.50	4.87
575.0	579.6	5.213	33.999	5.167	26.857	26.863	31.450	29.512	1471.3	124.607	.47	7.00
600.0	604.8	5.033	34.022	4.985	26.896	26.902	31.493	29.668	1470.6	120.980	.44	6.03
650.0	655.3	4.779	34.058	4.728	26.954	26.959	31.556	29.958	1469.7	115.715	.41	6.84
700.0	705.8	4.441	34.105	4.388	27.028	27.034	31.638	30.267	1468.4	108.723	.35	5.83
750.0	756.3	4.181	34.138	4.125	27.082	27.087	31.698	30.555	1467.5	103.684	.29	6.18
800.0	806.8	3.965	34.186	3.906	27.142	27.148	31.764	30.848	1466.7	98.046	.24	5.50
850.0	857.3	3.784	34.223	3.722	27.190	27.196	31.816	31.129	1466.1	93.620	.18	5.56
900.0	907.9	3.606	34.262	3.542	27.239	27.245	31.869	31.411	1465.5	89.069	.13	4.24
950.0	958.4	3.470	34.281	3.402	27.267	27.274	31.901	31.672	1465.0	86.491	.09	4.35
1000.0	1009.0	3.346	34.304	3.276	27.297	27.304	31.934	31.934	1464.6	83.773	.00	8.65

## STATION 117

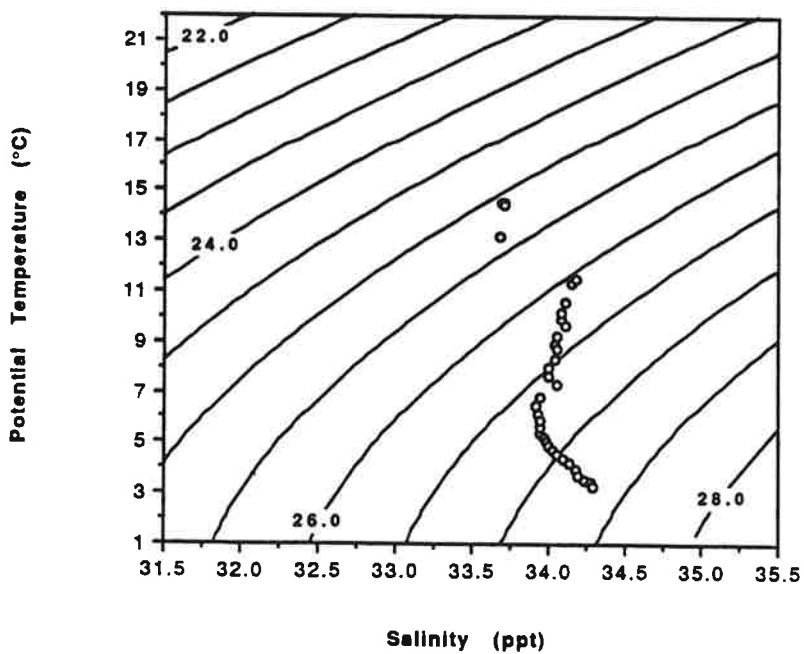
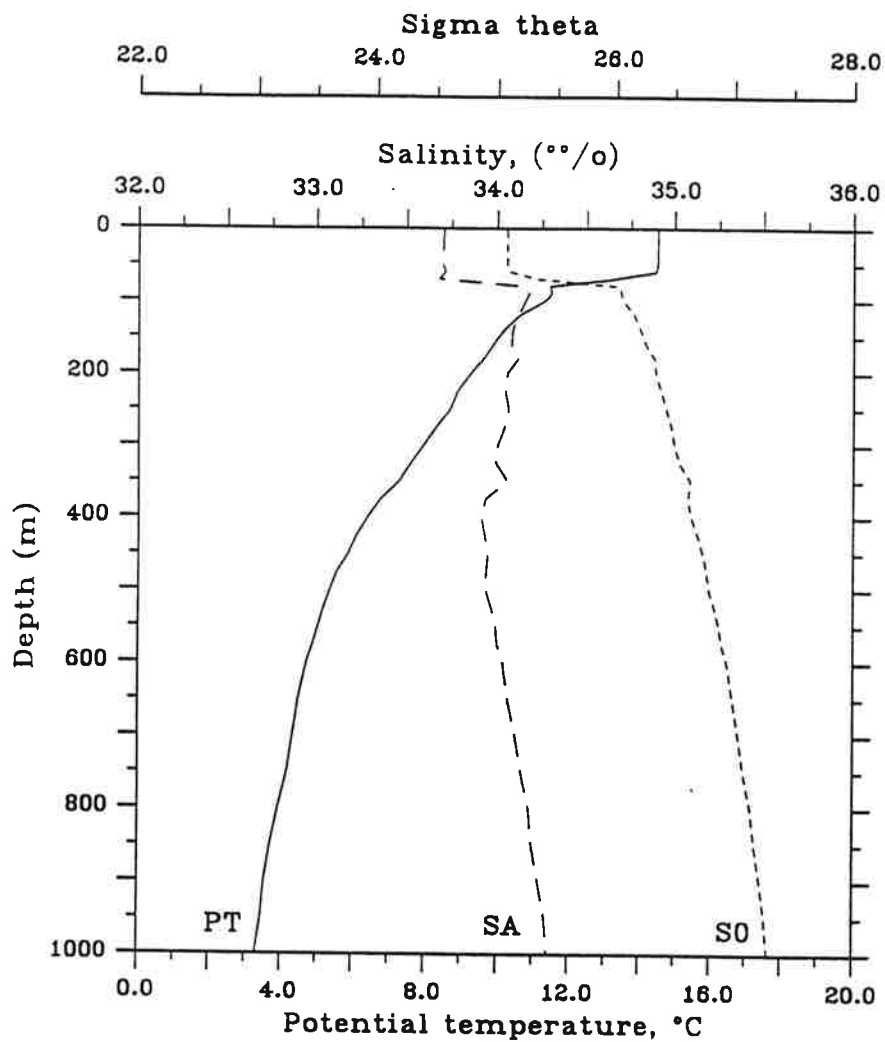


## STATION 118

LATITUDE: 40.8442 N LONGITUDE: 171.0356 W DATE: 29 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	14.512	33.706	14.512	25.080	25.080	29.489	25.080	1503.6	287.126	1.46	.00
2.0	2.0	14.512	33.706	14.511	25.080	25.080	29.489	25.089	1503.6	287.179	1.44	.32
4.0	4.0	14.512	33.706	14.511	25.080	25.080	29.489	25.098	1503.6	287.233	1.44	.32
6.0	6.0	14.512	33.706	14.511	25.080	25.081	29.489	25.107	1503.6	287.287	1.43	.32
8.0	8.0	14.512	33.706	14.510	25.080	25.081	29.489	25.116	1503.6	287.340	1.43	.32
10.0	10.1	14.512	33.706	14.510	25.080	25.081	29.489	25.125	1503.6	287.394	1.42	.32
12.0	12.1	14.512	33.706	14.510	25.080	25.081	29.489	25.134	1503.6	287.447	1.41	-9.75
14.0	14.1	14.520	33.701	14.518	25.074	25.075	29.483	25.137	1503.6	288.078	1.41	7.42
16.0	16.1	14.511	33.703	14.509	25.078	25.078	29.487	25.149	1503.6	287.798	1.40	3.55
18.0	18.1	14.513	33.704	14.510	25.079	25.079	29.488	25.159	1503.6	287.776	1.40	1.81
20.0	20.1	14.513	33.705	14.510	25.079	25.079	29.488	25.168	1503.6	287.810	1.39	-3.25
22.0	22.1	14.514	33.704	14.511	25.078	25.079	29.487	25.177	1503.6	287.929	1.38	5.15
24.0	24.1	14.511	33.705	14.508	25.080	25.081	29.489	25.187	1503.6	287.822	1.38	-2.33
26.0	26.2	14.512	33.705	14.509	25.079	25.080	29.489	25.196	1503.6	287.909	1.37	-9.07
28.0	28.2	14.517	33.700	14.513	25.074	25.075	29.484	25.200	1503.7	288.461	1.37	8.82
30.0	30.2	14.510	33.704	14.505	25.079	25.080	29.489	25.214	1503.6	288.044	1.36	-4.70
35.0	35.2	14.510	33.700	14.505	25.076	25.077	29.485	25.233	1503.6	288.513	1.35	3.63
40.0	40.3	14.510	33.702	14.505	25.078	25.079	29.488	25.257	1503.7	288.448	1.34	2.83
45.0	45.3	14.507	33.703	14.500	25.079	25.080	29.489	25.281	1503.7	288.462	1.33	-3.99
50.0	50.3	14.509	33.700	14.502	25.076	25.078	29.487	25.301	1503.7	288.838	1.31	8.49
60.0	60.4	14.452	33.714	14.443	25.099	25.101	29.511	25.368	1503.5	286.919	1.30	27.12
70.0	70.5	13.194	33.682	13.184	25.334	25.335	29.766	25.649	1499.4	264.772	1.27	46.56
80.0	80.5	11.475	34.146	11.465	26.024	26.026	30.483	26.386	1494.1	199.197	1.24	7.08
90.0	90.6	11.521	34.177	11.509	26.040	26.042	30.498	26.447	1494.3	197.919	1.21	7.37
100.0	100.7	11.336	34.156	11.323	26.058	26.060	30.520	26.510	1493.7	196.474	1.19	12.45
120.0	120.8	10.609	34.115	10.595	26.156	26.159	30.632	26.701	1491.1	187.401	1.17	8.89
140.0	140.9	10.183	34.085	10.167	26.207	26.209	30.691	26.843	1489.6	182.945	1.14	8.28
160.0	161.1	9.890	34.077	9.872	26.250	26.253	30.740	26.978	1488.6	179.130	1.10	10.88
180.0	181.2	9.620	34.116	9.600	26.326	26.329	30.821	27.145	1487.7	172.296	1.06	3.79
200.0	201.4	9.273	34.055	9.251	26.335	26.338	30.837	27.246	1486.4	171.697	1.02	7.70
225.0	226.6	8.920	34.043	8.896	26.382	26.386	30.892	27.408	1485.1	167.552	.99	7.58
250.0	251.7	8.724	34.062	8.698	26.428	26.432	30.942	27.568	1484.4	163.584	.95	7.36
275.0	276.9	8.329	34.040	8.301	26.471	26.475	30.993	27.727	1483.0	159.749	.90	5.61
300.0	302.1	7.970	34.003	7.940	26.496	26.500	31.026	27.868	1481.6	157.602	.86	7.47
325.0	327.3	7.619	33.994	7.587	26.540	26.544	31.078	28.028	1480.3	153.598	.82	10.78
350.0	352.5	7.309	34.056	7.276	26.632	26.637	31.177	28.237	1479.2	145.032	.78	-5.27
375.0	377.7	6.798	33.938	6.763	26.610	26.614	31.166	28.332	1477.2	147.126	.74	6.16
400.0	402.9	6.436	33.915	6.400	26.639	26.644	31.204	28.480	1475.7	144.335	.71	8.26
425.0	428.1	6.127	33.933	6.090	26.694	26.698	31.265	28.651	1474.6	139.279	.67	7.26
450.0	453.3	5.902	33.950	5.863	26.736	26.740	31.312	28.809	1473.8	135.431	.63	6.37
475.0	478.6	5.585	33.941	5.546	26.767	26.772	31.351	28.959	1472.5	132.383	.60	5.13
500.0	503.8	5.390	33.938	5.349	26.788	26.793	31.376	29.097	1471.8	130.499	.56	7.61
525.0	529.0	5.210	33.969	5.168	26.834	26.839	31.426	29.260	1471.1	126.243	.53	6.71
550.0	554.2	5.059	33.992	5.015	26.870	26.875	31.465	29.412	1470.6	122.967	.50	5.63
575.0	579.4	4.902	34.001	4.857	26.895	26.900	31.494	29.553	1470.0	120.663	.47	7.38
600.0	604.7	4.735	34.032	4.688	26.938	26.943	31.541	29.714	1469.4	116.623	.44	5.42
650.0	655.1	4.509	34.060	4.459	26.985	26.990	31.593	29.993	1468.6	112.401	.41	5.65
700.0	705.6	4.354	34.103	4.301	27.035	27.041	31.648	30.276	1468.1	107.871	.35	5.31
750.0	756.1	4.191	34.137	4.135	27.080	27.086	31.696	30.553	1467.5	103.850	.29	6.19
800.0	806.6	3.937	34.181	3.878	27.141	27.147	31.763	30.848	1466.6	98.122	.24	4.78
850.0	857.1	3.721	34.199	3.660	27.177	27.183	31.805	31.118	1465.8	94.726	.19	5.39
900.0	907.6	3.551	34.235	3.487	27.223	27.229	31.854	31.396	1465.2	90.459	.14	4.91
950.0	958.1	3.460	34.272	3.393	27.261	27.267	31.895	31.666	1465.0	87.056	.09	4.01
1000.0	1008.7	3.309	34.286	3.239	27.286	27.293	31.925	31.925	1464.4	84.694	.00	8.81

## STATION 118

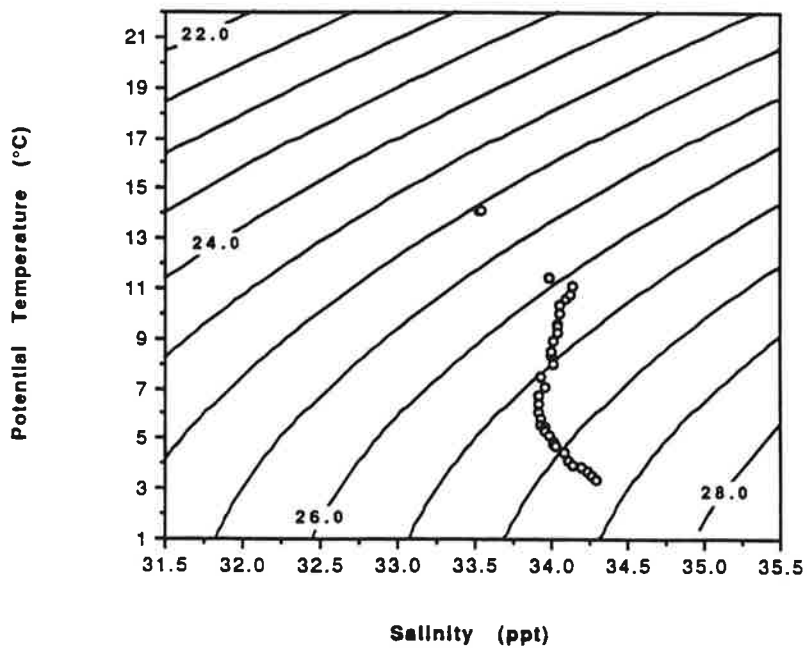
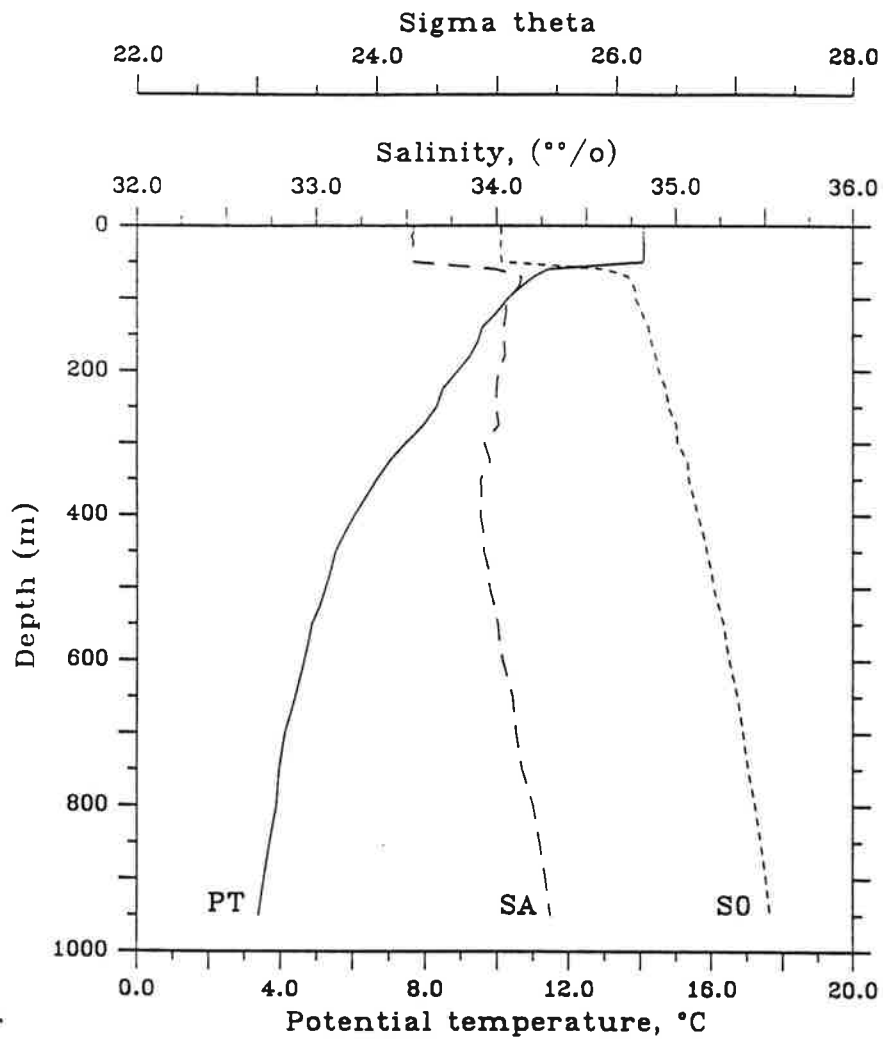


## STATION 119

LATITUDE: 41.0294 N LONGITUDE: 170.9806 W DATE: 30 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIGO	SIG1	SIGZ	SOUND	AVOL	DYNH	BVAI
.0	.0	14.106	33.537	14.106	25.035	25.035	29.452	25.035	1502.1	291.390	1.38	.00
2.0	2.0	14.106	33.537	14.106	25.035	25.035	29.452	25.044	1502.1	291.442	1.36	.30
4.0	4.0	14.106	33.537	14.105	25.035	25.036	29.452	25.053	1502.1	291.494	1.35	.30
6.0	6.0	14.106	33.537	14.105	25.035	25.036	29.452	25.062	1502.1	291.546	1.35	.30
8.0	8.1	14.106	33.537	14.105	25.035	25.036	29.452	25.072	1502.1	291.598	1.34	.30
10.0	10.1	14.106	33.537	14.104	25.035	25.036	29.452	25.080	1502.1	291.650	1.33	-9.18
14.0	14.1	14.104	33.523	14.102	25.025	25.025	29.441	25.088	1502.1	292.778	1.33	5.97
16.0	16.1	14.103	33.526	14.101	25.027	25.028	29.444	25.099	1502.1	292.615	1.32	9.31
18.0	18.1	14.105	33.533	14.102	25.033	25.033	29.449	25.113	1502.1	292.142	1.31	-5.36
20.0	20.2	14.105	33.531	14.102	25.031	25.031	29.448	25.121	1502.1	292.369	1.30	8.37
22.0	22.2	14.103	33.536	14.100	25.035	25.036	29.452	25.134	1502.1	291.996	1.30	-3.30
24.0	24.2	14.107	33.536	14.103	25.034	25.035	29.451	25.142	1502.1	292.115	1.29	-5.23
26.0	26.2	14.105	33.534	14.101	25.033	25.033	29.450	25.149	1502.1	292.334	1.29	.68
28.0	28.2	14.107	33.534	14.103	25.033	25.034	29.450	25.159	1502.1	292.384	1.28	2.20
30.0	30.2	14.107	33.534	14.102	25.033	25.034	29.450	25.168	1502.1	292.407	1.28	-2.03
35.0	35.3	14.106	33.533	14.101	25.032	25.033	29.450	25.190	1502.1	292.601	1.27	-2.84
40.0	40.3	14.108	33.532	14.102	25.031	25.032	29.449	25.211	1502.2	292.854	1.25	5.53
45.0	45.3	14.105	33.537	14.098	25.036	25.037	29.454	25.238	1502.2	292.522	1.24	4.69
50.0	50.4	14.086	33.537	14.079	25.039	25.041	29.458	25.264	1502.1	292.318	1.22	52.28
60.0	60.5	11.443	33.991	11.435	25.910	25.911	30.370	26.181	1493.8	209.588	1.21	24.17
70.0	70.5	11.041	34.137	11.032	26.096	26.098	30.563	26.413	1492.6	192.095	1.18	11.27
80.0	80.6	10.784	34.130	10.775	26.137	26.138	30.608	26.499	1491.7	188.441	1.16	8.20
90.0	90.7	10.545	34.103	10.534	26.158	26.160	30.634	26.566	1490.8	186.587	1.14	1.88
100.0	100.8	10.314	34.053	10.302	26.159	26.161	30.640	26.613	1490.0	186.653	1.12	9.21
120.0	121.0	9.991	34.051	9.977	26.213	26.215	30.701	26.759	1488.8	181.879	1.11	9.23
140.0	141.1	9.608	34.039	9.592	26.267	26.270	30.762	26.904	1487.5	177.041	1.07	5.84
160.0	161.3	9.485	34.041	9.468	26.289	26.292	30.787	27.018	1487.1	175.335	1.03	7.74
180.0	181.4	9.273	34.045	9.253	26.327	26.330	30.830	27.147	1486.3	172.036	1.00	6.38
200.0	201.6	8.935	34.009	8.913	26.353	26.356	30.862	27.265	1485.1	169.836	.96	8.66
225.0	226.8	8.505	34.000	8.482	26.413	26.416	30.931	27.440	1483.5	164.460	.93	5.51
250.0	252.1	8.333	33.997	8.307	26.437	26.441	30.959	27.579	1482.9	162.528	.88	9.05
275.0	277.3	7.971	34.011	7.943	26.502	26.506	31.032	27.760	1481.6	156.598	.84	3.36
300.0	302.5	7.478	33.931	7.449	26.510	26.514	31.051	27.886	1479.6	155.878	.80	10.43
325.0	327.7	7.043	33.964	7.013	26.597	26.601	31.147	28.089	1478.1	147.791	.76	3.18
350.0	352.9	6.694	33.914	6.662	26.605	26.609	31.163	28.214	1476.7	147.153	.72	7.34
375.0	378.2	6.383	33.916	6.350	26.647	26.652	31.212	28.373	1475.5	143.210	.68	6.83
400.0	403.4	6.068	33.912	6.034	26.684	26.689	31.257	28.528	1474.3	139.784	.65	7.65
425.0	428.6	5.798	33.928	5.762	26.731	26.735	31.309	28.691	1473.3	135.467	.61	6.39
450.0	453.9	5.542	33.929	5.504	26.763	26.767	31.347	28.840	1472.3	132.464	.58	6.67
475.0	479.1	5.420	33.956	5.381	26.799	26.803	31.385	28.992	1471.9	129.292	.54	5.26
500.0	504.4	5.270	33.961	5.229	26.820	26.825	31.411	29.130	1471.3	127.343	.51	7.12
525.0	529.6	5.103	33.987	5.061	26.861	26.865	31.455	29.287	1470.7	123.633	.48	7.21
550.0	554.9	4.884	34.007	4.840	26.902	26.907	31.501	29.446	1469.9	119.743	.44	4.84
575.0	580.1	4.778	34.016	4.734	26.920	26.925	31.522	29.580	1469.5	118.113	.41	5.82
600.0	605.4	4.661	34.033	4.614	26.947	26.952	31.552	29.724	1469.1	115.675	.38	6.60
650.0	655.9	4.419	34.087	4.370	27.016	27.022	31.627	30.026	1468.2	109.300	.35	5.40
700.0	706.4	4.125	34.106	4.074	27.063	27.068	31.680	30.307	1467.1	104.952	.29	5.17
750.0	757.0	3.963	34.139	3.908	27.105	27.111	31.726	30.582	1466.6	101.118	.24	6.03
800.0	807.5	3.883	34.201	3.825	27.163	27.169	31.786	30.871	1466.4	95.968	.19	5.40
850.0	858.1	3.697	34.236	3.636	27.209	27.215	31.837	31.150	1465.8	91.675	.14	5.18
900.0	908.7	3.535	34.269	3.471	27.252	27.258	31.884	31.426	1465.2	87.740	.09	4.71
950.0	959.3	3.387	34.296	3.320	27.287	27.293	31.922	31.693	1464.7	84.495	.00	8.55

## STATION 119



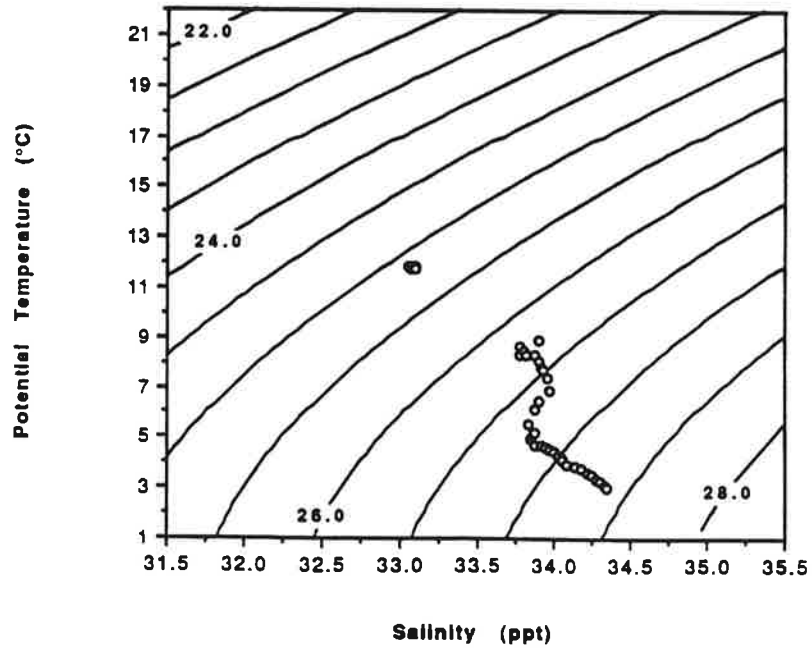
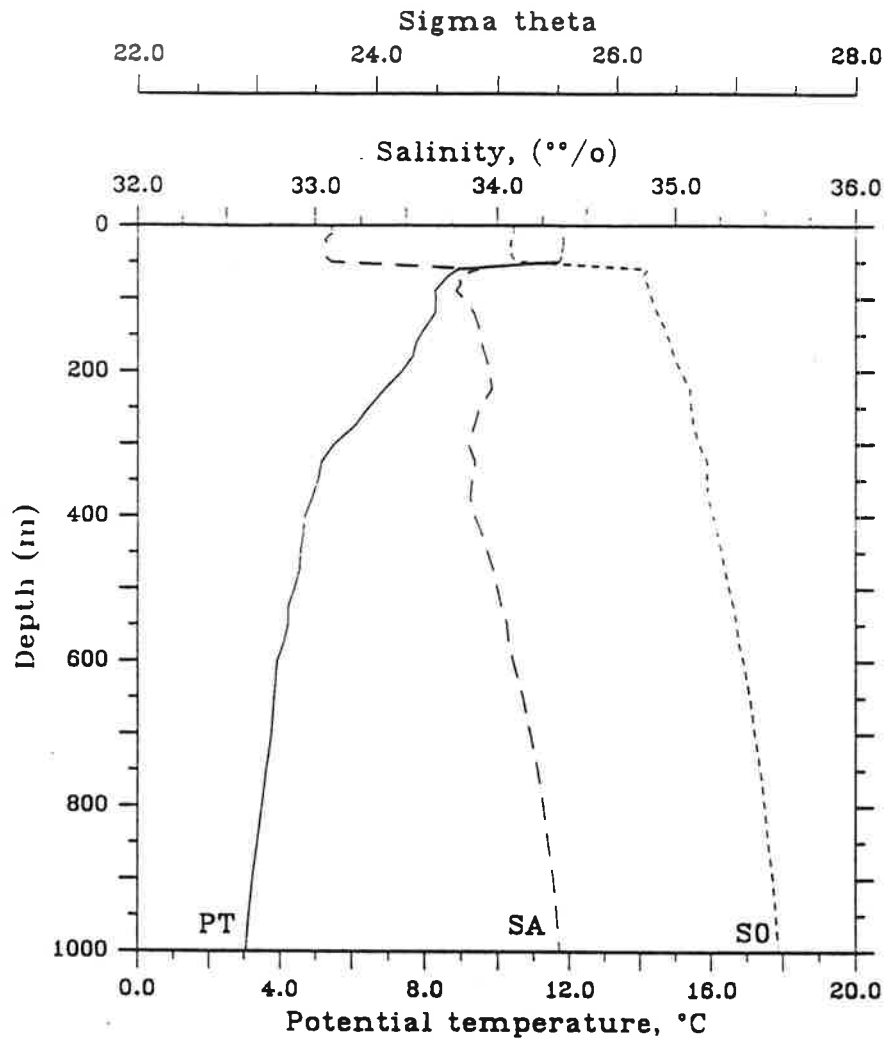
## STATION 127

LATITUDE: 42.9019 N LONGITUDE: 171.0089 W DATE: 30 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	11.843	33.094	11.843	25.139	25.139	29.596	25.139	1494.0	281.586	1.30	.00
2.0	2.0	11.843	33.094	11.843	25.139	25.139	29.596	25.148	1494.0	281.630	1.28	.28
4.0	4.0	11.843	33.094	11.842	25.139	25.139	29.596	25.157	1494.0	281.675	1.27	.28
6.0	6.0	11.843	33.094	11.842	25.139	25.139	29.596	25.166	1494.0	281.719	1.27	.28
8.0	8.1	11.843	33.094	11.842	25.139	25.139	29.596	25.175	1494.0	281.763	1.26	.28
10.0	10.1	11.843	33.094	11.842	25.139	25.139	29.596	25.184	1494.0	281.808	1.26	.28
12.0	12.1	11.843	33.094	11.842	25.139	25.139	29.596	25.193	1494.0	281.852	1.25	-14.72
14.0	14.1	11.842	33.076	11.840	25.125	25.125	29.583	25.188	1494.0	283.210	1.25	-10.46
16.0	16.1	11.843	33.067	11.841	25.118	25.118	29.576	25.190	1494.0	283.918	1.24	-8.31
18.0	18.1	11.841	33.061	11.839	25.113	25.114	29.571	25.195	1494.0	284.381	1.23	-9.86
20.0	20.1	11.843	33.053	11.840	25.107	25.108	29.565	25.198	1494.0	285.015	1.23	13.59
22.0	22.2	11.838	33.067	11.835	25.119	25.119	29.577	25.219	1494.0	283.940	1.22	-12.02
24.0	24.2	11.839	33.056	11.836	25.110	25.110	29.568	25.218	1494.0	284.861	1.22	2.50
26.0	26.2	11.844	33.057	11.841	25.110	25.111	29.568	25.228	1494.0	284.868	1.21	5.47
28.0	28.2	11.835	33.057	11.831	25.112	25.113	29.570	25.239	1494.0	284.731	1.20	-9.92
30.0	30.2	11.836	33.050	11.832	25.106	25.106	29.564	25.242	1494.0	285.372	1.20	8.55
35.0	35.3	11.800	33.056	11.795	25.117	25.118	29.576	25.276	1493.9	284.374	1.19	-3.91
40.0	40.3	11.795	33.052	11.790	25.115	25.116	29.574	25.296	1493.8	284.716	1.18	9.05
45.0	45.3	11.779	33.065	11.774	25.128	25.129	29.588	25.332	1493.8	283.585	1.16	14.52
50.0	50.4	11.719	33.094	11.713	25.162	25.163	29.622	25.388	1493.7	280.496	1.15	58.91
60.0	60.4	8.932	33.899	8.926	26.267	26.268	30.775	26.541	1484.7	175.423	1.14	-11.93
70.0	70.5	8.646	33.784	8.638	26.222	26.223	30.736	26.542	1483.5	179.875	1.11	11.43
80.0	80.6	8.465	33.801	8.456	26.263	26.264	30.781	26.629	1482.9	176.071	1.09	4.35
90.0	90.7	8.287	33.775	8.278	26.269	26.271	30.791	26.681	1482.2	175.641	1.08	9.39
100.0	100.7	8.318	33.817	8.308	26.297	26.299	30.819	26.755	1482.4	173.150	1.06	8.60
120.0	120.9	8.300	33.873	8.287	26.344	26.346	30.866	26.894	1482.4	169.020	1.04	9.75
140.0	141.1	8.031	33.899	8.018	26.405	26.407	30.932	27.046	1481.5	163.547	1.00	8.32
160.0	161.2	7.789	33.910	7.773	26.449	26.451	30.982	27.183	1480.6	159.619	.97	7.47
180.0	181.4	7.684	33.936	7.666	26.485	26.487	31.020	27.310	1480.2	156.535	.94	9.51
200.0	201.5	7.398	33.957	7.379	26.542	26.545	31.083	27.460	1479.2	151.285	.91	9.91
225.0	226.7	6.903	33.969	6.883	26.620	26.623	31.172	27.655	1477.4	144.049	.87	3.02
250.0	251.9	6.463	33.904	6.441	26.627	26.630	31.189	27.779	1475.6	143.505	.84	5.45
275.0	277.1	6.105	33.875	6.082	26.651	26.654	31.221	27.919	1474.2	141.405	.80	7.26
300.0	302.4	5.543	33.840	5.519	26.692	26.695	31.275	28.080	1471.9	137.411	.76	9.69
325.0	327.6	5.175	33.880	5.149	26.767	26.770	31.358	28.272	1470.5	130.379	.73	-1.97
350.0	352.8	5.086	33.863	5.059	26.764	26.767	31.358	28.385	1470.2	130.875	.69	3.67
375.0	378.0	4.921	33.852	4.892	26.774	26.778	31.372	28.512	1469.6	129.993	.66	7.24
400.0	403.2	4.721	33.877	4.691	26.816	26.819	31.419	28.671	1468.8	126.135	.63	6.86
425.0	428.5	4.662	33.916	4.630	26.854	26.857	31.458	28.824	1468.7	122.794	.59	6.40
450.0	453.7	4.584	33.946	4.550	26.886	26.890	31.492	28.973	1468.4	119.880	.56	6.06
475.0	478.9	4.554	33.979	4.519	26.915	26.919	31.522	29.118	1468.4	117.329	.53	6.30
500.0	504.2	4.416	34.000	4.379	26.947	26.951	31.556	29.266	1467.9	114.437	.50	6.90
525.0	529.4	4.235	34.023	4.197	26.985	26.989	31.598	29.421	1467.2	110.894	.47	5.57
550.0	554.6	4.231	34.054	4.191	27.009	27.014	31.624	29.561	1467.3	108.786	.44	4.86
575.0	579.9	4.113	34.062	4.071	27.028	27.032	31.645	29.697	1466.8	107.087	.42	7.03
600.0	605.1	3.923	34.086	3.880	27.067	27.072	31.689	29.854	1466.1	103.349	.39	5.76
650.0	655.6	3.841	34.142	3.795	27.120	27.125	31.743	30.138	1465.9	98.680	.36	5.03
700.0	706.2	3.764	34.183	3.715	27.160	27.165	31.786	30.410	1465.7	95.179	.31	5.45
750.0	756.7	3.619	34.224	3.567	27.208	27.213	31.836	30.690	1465.3	90.907	.26	4.71
800.0	807.2	3.494	34.253	3.439	27.243	27.248	31.875	30.957	1464.8	87.754	.21	4.41
850.0	857.8	3.369	34.277	3.311	27.274	27.279	31.909	31.221	1464.4	84.985	.17	4.91
900.0	908.3	3.229	34.308	3.168	27.312	27.317	31.951	31.492	1464.0	81.468	.12	3.97
950.0	958.9	3.127	34.327	3.063	27.337	27.343	31.978	31.749	1463.6	79.250	.08	3.65
1000.0	1009.5	3.046	34.345	2.978	27.358	27.364	32.001	32.001	1463.4	77.418	.00	8.55



STATION 127

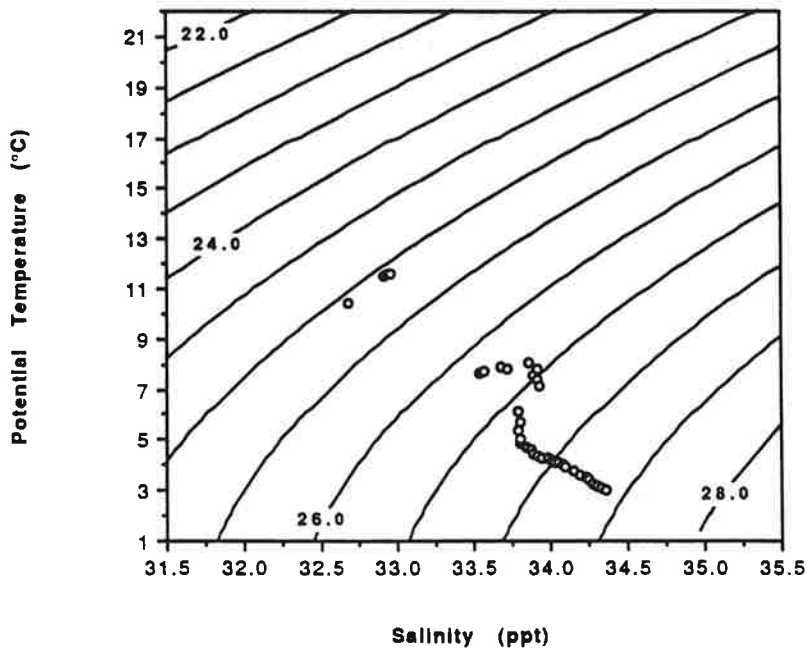
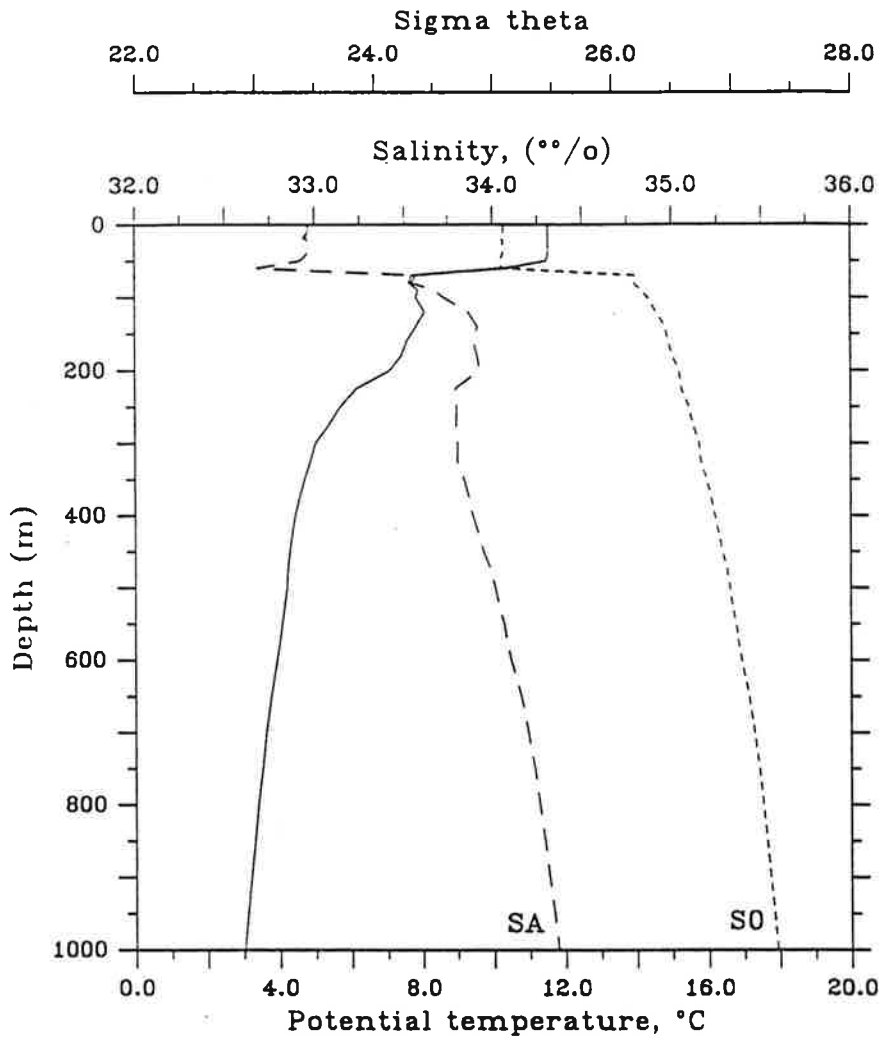


## STATION 128

LATITUDE: 43.1694 N LONGITUDE: 171.0050 W DATE: 31 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	11.551	32.964	11.551	25.091	25.091	29.555	25.091	1492.8	286.074	1.30	.00
2.0	2.0	11.551	32.964	11.551	25.091	25.091	29.555	25.101	1492.8	286.117	1.28	.26
4.0	4.0	11.551	32.964	11.550	25.091	25.092	29.555	25.110	1492.8	286.160	1.27	.26
6.0	6.1	11.551	32.964	11.550	25.091	25.092	29.555	25.119	1492.8	286.203	1.27	.26
8.0	8.1	11.551	32.964	11.550	25.091	25.092	29.555	25.128	1492.8	286.246	1.26	.26
10.0	10.1	11.551	32.964	11.550	25.091	25.092	29.555	25.137	1492.8	286.289	1.25	.26
12.0	12.1	11.551	32.964	11.549	25.091	25.092	29.555	25.146	1492.9	286.332	1.25	-13.57
14.0	14.2	11.555	32.950	11.554	25.080	25.080	29.543	25.143	1492.9	287.492	1.24	9.83
16.0	16.2	11.559	32.958	11.557	25.086	25.086	29.549	25.158	1492.9	286.951	1.24	-14.90
18.0	18.2	11.553	32.939	11.550	25.072	25.072	29.535	25.153	1492.8	288.339	1.23	11.14
20.0	20.2	11.561	32.951	11.558	25.080	25.080	29.543	25.170	1492.9	287.630	1.23	12.38
22.0	22.2	11.564	32.964	11.561	25.089	25.090	29.553	25.189	1492.9	286.744	1.22	-11.26
24.0	24.3	11.566	32.954	11.563	25.081	25.082	29.545	25.190	1492.9	287.556	1.21	11.07
26.0	26.3	11.565	32.964	11.562	25.089	25.090	29.552	25.207	1492.9	286.856	1.21	-7.26
28.0	28.3	11.560	32.958	11.557	25.086	25.086	29.549	25.212	1492.9	287.219	1.20	-7.80
30.0	30.3	11.563	32.954	11.559	25.082	25.083	29.546	25.218	1492.9	287.631	1.20	-2.84
35.0	35.4	11.567	32.953	11.562	25.081	25.081	29.544	25.239	1492.9	287.862	1.19	6.68
40.0	40.4	11.554	32.960	11.550	25.088	25.088	29.552	25.269	1492.9	287.293	1.18	-8.49
45.0	45.5	11.549	32.944	11.544	25.076	25.077	29.541	25.280	1492.9	288.493	1.16	-9.20
50.0	50.6	11.513	32.918	11.506	25.063	25.064	29.528	25.289	1492.7	289.880	1.15	6.49
60.0	60.7	10.401	32.683	10.394	25.076	25.077	29.563	25.349	1488.5	288.700	1.13	59.16
70.0	70.8	7.719	33.569	7.713	26.191	26.192	30.726	26.512	1479.7	182.649	1.10	-5.64
80.0	80.9	7.641	33.541	7.633	26.181	26.182	30.718	26.548	1479.4	183.756	1.08	14.33
90.0	91.0	7.908	33.674	7.900	26.246	26.247	30.777	26.659	1480.6	177.749	1.06	12.85
100.0	101.1	7.840	33.728	7.830	26.299	26.300	30.831	26.758	1480.4	172.903	1.04	10.51
120.0	121.3	8.097	33.866	8.085	26.369	26.371	30.895	26.919	1481.6	166.612	1.02	11.01
140.0	141.6	7.841	33.917	7.827	26.447	26.448	30.978	27.088	1480.8	159.556	.99	5.79
160.0	161.8	7.576	33.895	7.561	26.468	26.470	31.005	27.202	1479.8	157.778	.95	7.74
180.0	182.0	7.418	33.915	7.401	26.506	26.508	31.046	27.332	1479.2	154.416	.92	9.29
200.0	202.3	7.100	33.928	7.081	26.561	26.563	31.108	27.480	1478.0	149.389	.89	5.01
225.0	227.6	6.163	33.796	6.144	26.581	26.583	31.149	27.619	1474.2	147.441	.86	8.78
250.0	252.9	5.715	33.802	5.694	26.642	26.644	31.221	27.798	1472.5	141.718	.82	6.61
275.0	278.2	5.394	33.797	5.372	26.676	26.679	31.263	27.949	1471.2	138.542	.78	8.03
300.0	303.5	5.020	33.807	4.997	26.728	26.730	31.323	28.118	1469.8	133.732	.75	4.27
325.0	328.8	4.877	33.805	4.852	26.742	26.745	31.340	28.249	1469.2	132.518	.71	7.67
350.0	354.1	4.715	33.841	4.689	26.789	26.792	31.391	28.413	1468.7	128.222	.68	6.81
375.0	379.4	4.576	33.868	4.548	26.826	26.829	31.431	28.566	1468.2	124.869	.65	6.15
400.0	404.7	4.454	33.890	4.424	26.856	26.859	31.464	28.713	1467.7	122.156	.62	6.42
425.0	430.0	4.372	33.920	4.341	26.888	26.892	31.499	28.862	1467.5	119.211	.58	6.21
450.0	455.4	4.296	33.949	4.263	26.919	26.923	31.531	29.009	1467.2	116.469	.55	6.85
475.0	480.7	4.239	33.988	4.205	26.956	26.960	31.570	29.162	1467.1	113.109	.52	5.22
500.0	506.0	4.218	34.013	4.181	26.978	26.982	31.592	29.299	1467.1	111.259	.49	5.41
525.0	531.3	4.149	34.033	4.111	27.002	27.006	31.618	29.439	1466.9	109.203	.46	6.05
550.0	556.7	4.080	34.061	4.040	27.031	27.035	31.648	29.584	1466.6	106.589	.44	4.94
575.0	582.0	4.018	34.077	3.977	27.050	27.054	31.669	29.720	1466.4	104.896	.41	5.67
600.0	607.4	3.930	34.098	3.888	27.076	27.080	31.697	29.862	1466.1	102.587	.38	6.26
650.0	658.0	3.766	34.155	3.720	27.138	27.143	31.763	30.157	1465.6	96.896	.36	5.32
700.0	708.7	3.624	34.194	3.575	27.183	27.188	31.812	30.435	1465.1	92.832	.30	4.95
750.0	759.5	3.519	34.230	3.467	27.222	27.227	31.853	30.706	1464.8	89.380	.26	4.53
800.0	810.2	3.399	34.257	3.344	27.254	27.260	31.889	30.971	1464.4	86.477	.21	4.47
850.0	860.9	3.303	34.285	3.244	27.286	27.292	31.923	31.235	1464.2	83.676	.17	4.38
900.0	911.7	3.200	34.311	3.139	27.316	27.322	31.956	31.497	1463.8	80.965	.12	4.40
950.0	962.4	3.104	34.338	3.039	27.347	27.353	31.989	31.760	1463.5	78.216	.08	4.02
1000.0	1013.2	3.014	34.360	2.946	27.373	27.379	32.017	32.017	1463.3	75.939	.00	8.38

STATION 128

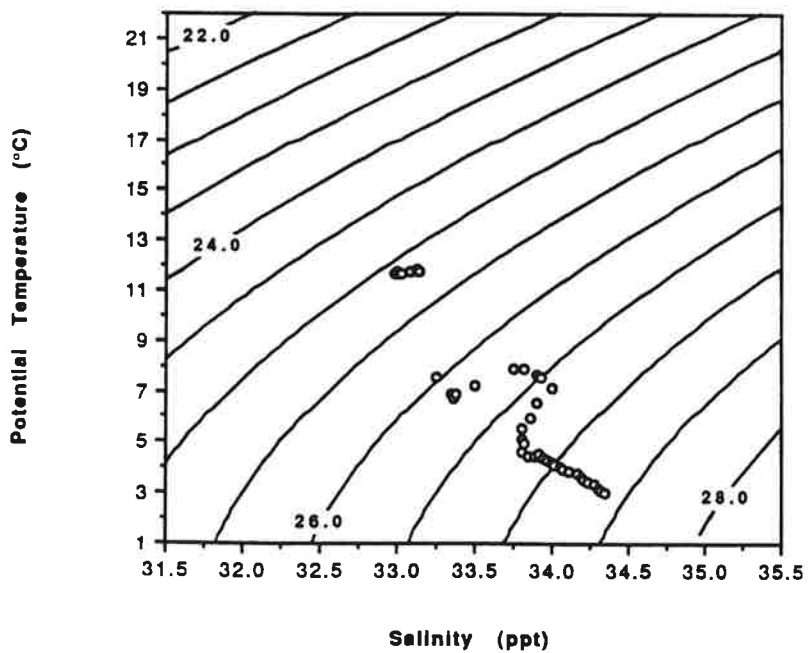
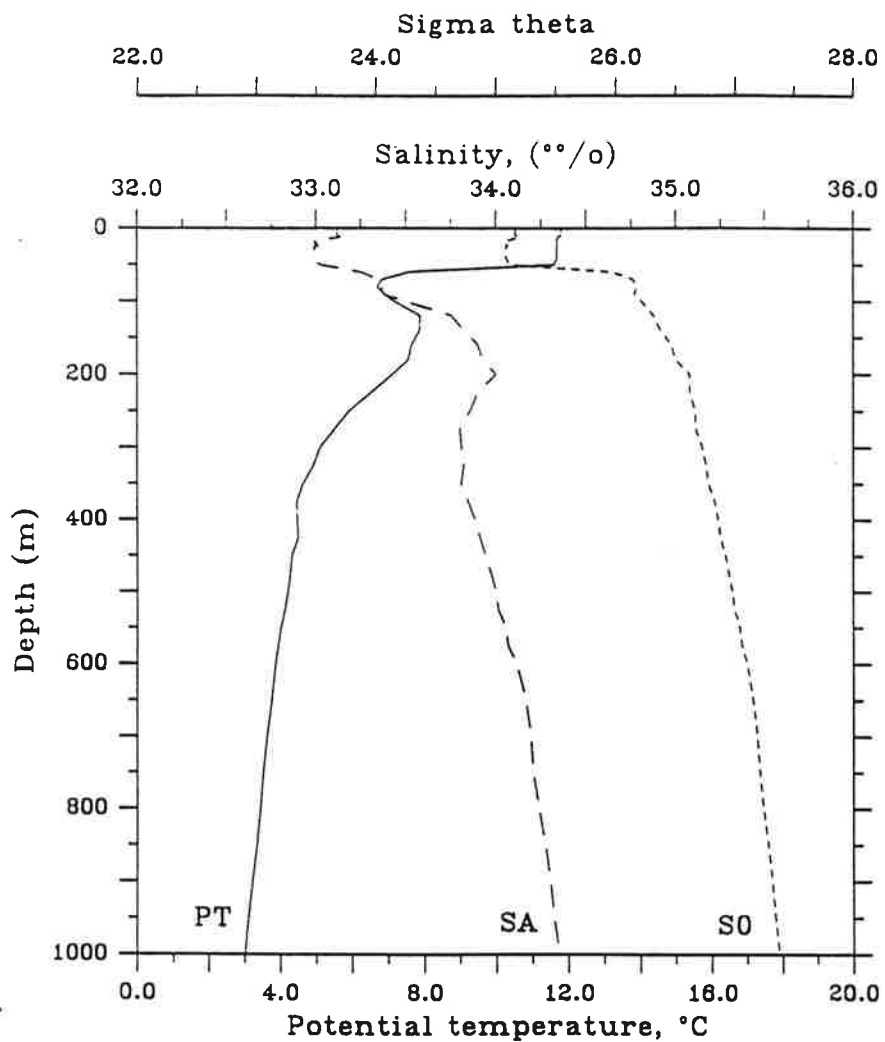


## STATION 129

LATITUDE: 43.3917 N LONGITUDE: 171.0078 W DATE: 31 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIGO	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	11.815	33.118	11.815	25.163	25.163	29.620	25.163	1493.9	279.260	1.29	.00
2.0	2.0	11.815	33.118	11.814	25.163	25.163	29.620	25.172	1493.9	279.305	1.28	.28
4.0	4.0	11.815	33.118	11.814	25.163	25.163	29.621	25.181	1493.9	279.349	1.27	.28
6.0	6.0	11.815	33.118	11.814	25.163	25.163	29.621	25.190	1493.9	279.393	1.26	.28
8.0	8.1	11.815	33.118	11.814	25.163	25.163	29.621	25.199	1493.9	279.438	1.26	.28
10.0	10.1	11.815	33.118	11.813	25.163	25.163	29.621	25.208	1493.9	279.482	1.25	22.87
12.0	12.1	11.724	33.140	11.722	25.196	25.197	29.656	25.251	1493.7	276.353	1.25	-25.76
14.0	14.1	11.719	33.084	11.717	25.154	25.154	29.614	25.217	1493.6	280.419	1.24	-25.16
16.0	16.1	11.709	33.030	11.707	25.114	25.114	29.574	25.186	1493.5	284.300	1.24	-22.61
18.0	18.1	11.710	32.988	11.708	25.081	25.081	29.542	25.163	1493.4	287.443	1.23	15.10
20.0	20.1	11.710	33.007	11.708	25.096	25.096	29.556	25.186	1493.5	286.103	1.22	-12.83
22.0	22.2	11.709	32.993	11.706	25.085	25.086	29.546	25.185	1493.5	287.146	1.22	16.49
24.0	24.2	11.708	33.015	11.705	25.102	25.103	29.563	25.211	1493.5	285.543	1.21	-18.38
26.0	26.2	11.706	32.987	11.703	25.081	25.081	29.542	25.199	1493.4	287.635	1.21	3.83
28.0	28.2	11.708	32.988	11.704	25.082	25.083	29.543	25.209	1493.5	287.590	1.20	11.65
30.0	30.2	11.705	32.999	11.701	25.090	25.091	29.551	25.226	1493.5	286.812	1.20	-8.27
35.0	35.3	11.709	32.986	11.705	25.080	25.080	29.541	25.238	1493.5	287.959	1.19	4.82
40.0	40.3	11.705	32.989	11.700	25.083	25.084	29.545	25.264	1493.5	287.717	1.17	8.55
45.0	45.3	11.677	32.998	11.671	25.095	25.096	29.557	25.299	1493.4	286.718	1.16	13.96
50.0	50.4	11.629	33.027	11.623	25.126	25.127	29.589	25.352	1493.3	283.872	1.15	51.25
60.0	60.4	7.583	33.253	7.577	25.962	25.963	30.502	26.238	1478.8	204.160	1.13	23.39
70.0	70.5	6.851	33.346	6.845	26.137	26.138	30.691	26.459	1476.1	187.662	1.11	10.51
80.0	80.6	6.706	33.367	6.699	26.172	26.173	30.729	26.541	1475.6	184.436	1.09	-7.95
90.0	90.7	6.910	33.376	6.902	26.152	26.153	30.705	26.566	1476.4	186.517	1.07	13.34
100.0	100.7	7.179	33.494	7.170	26.208	26.210	30.756	26.669	1477.6	181.326	1.05	12.66
120.0	120.9	7.897	33.754	7.885	26.311	26.313	30.842	26.861	1480.7	172.099	1.03	9.50
140.0	141.1	7.883	33.825	7.869	26.368	26.371	30.899	27.010	1480.8	166.963	.99	12.11
160.0	161.2	7.657	33.902	7.641	26.462	26.464	30.997	27.196	1480.1	158.359	.96	7.18
180.0	181.4	7.562	33.927	7.545	26.495	26.497	31.032	27.321	1479.8	155.530	.93	13.70
200.0	201.5	7.122	34.000	7.103	26.614	26.617	31.161	27.533	1478.2	144.345	.89	1.71
225.0	226.7	6.525	33.900	6.505	26.617	26.619	31.177	27.653	1475.8	144.231	.86	7.45
250.0	251.9	5.917	33.857	5.896	26.660	26.663	31.234	27.815	1473.4	140.084	.83	2.80
275.0	277.1	5.509	33.802	5.487	26.666	26.669	31.250	27.938	1471.7	139.567	.79	8.22
300.0	302.4	5.113	33.811	5.090	26.720	26.723	31.313	28.110	1470.2	134.512	.75	6.30
325.0	327.6	4.925	33.824	4.900	26.751	26.754	31.349	28.258	1469.5	131.654	.72	4.96
350.0	352.8	4.641	33.809	4.615	26.771	26.774	31.375	28.395	1468.3	129.846	.69	7.94
375.0	378.0	4.465	33.848	4.438	26.821	26.824	31.429	28.562	1467.7	125.198	.65	5.97
400.0	403.2	4.481	33.886	4.452	26.850	26.853	31.457	28.706	1467.8	122.759	.62	4.97
425.0	428.5	4.505	33.914	4.473	26.869	26.873	31.477	28.841	1468.0	121.154	.59	7.29
450.0	453.7	4.329	33.943	4.296	26.912	26.915	31.523	29.001	1467.4	117.226	.56	5.98
475.0	478.9	4.285	33.973	4.250	26.940	26.944	31.553	29.145	1467.3	114.717	.53	5.99
500.0	504.2	4.216	34.000	4.180	26.969	26.972	31.583	29.290	1467.0	112.174	.50	4.86
525.0	529.4	4.134	34.013	4.096	26.987	26.991	31.604	29.425	1466.8	110.525	.47	7.39
550.0	554.6	4.027	34.054	3.988	27.031	27.035	31.650	29.585	1466.4	106.520	.44	4.77
575.0	579.9	3.941	34.065	3.900	27.049	27.053	31.670	29.720	1466.1	104.921	.41	7.59
600.0	605.1	3.865	34.113	3.823	27.095	27.099	31.717	29.882	1465.9	100.713	.39	5.68
650.0	655.6	3.755	34.164	3.709	27.146	27.150	31.771	30.165	1465.6	96.131	.36	4.71
700.0	706.2	3.625	34.192	3.576	27.181	27.186	31.810	30.433	1465.1	93.006	.31	3.61
750.0	756.7	3.515	34.204	3.463	27.202	27.207	31.833	30.686	1464.8	91.260	.26	4.58
800.0	807.2	3.432	34.236	3.376	27.235	27.240	31.869	30.951	1464.6	88.345	.21	4.89
850.0	857.8	3.342	34.273	3.283	27.273	27.279	31.909	31.221	1464.3	84.976	.17	4.59
900.0	908.3	3.216	34.300	3.155	27.306	27.312	31.945	31.487	1463.9	81.934	.12	4.12
950.0	958.9	3.105	34.321	3.040	27.333	27.339	31.975	31.746	1463.5	79.512	.08	4.51
1000.0	1009.5	3.008	34.350	2.940	27.365	27.372	32.010	32.010	1463.2	76.599	.00	8.46

## STATION 129

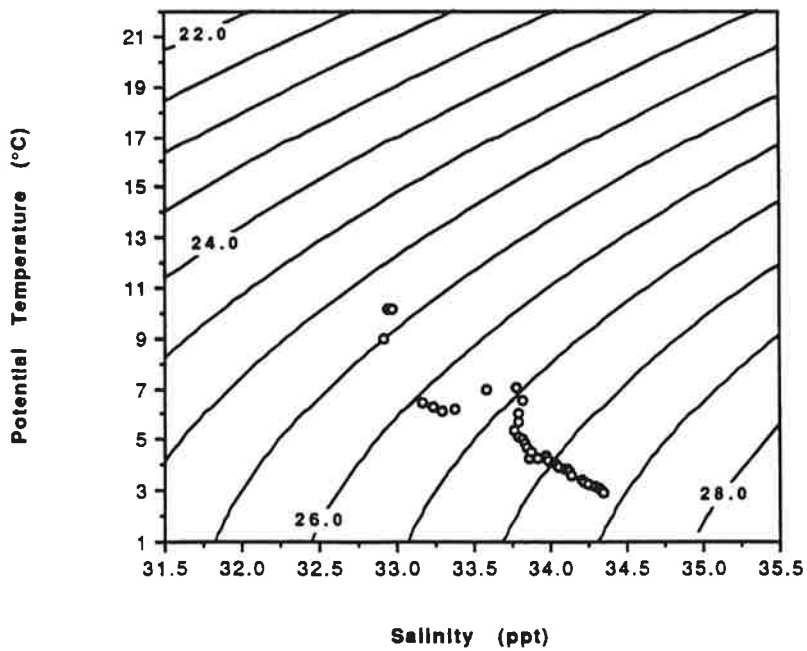
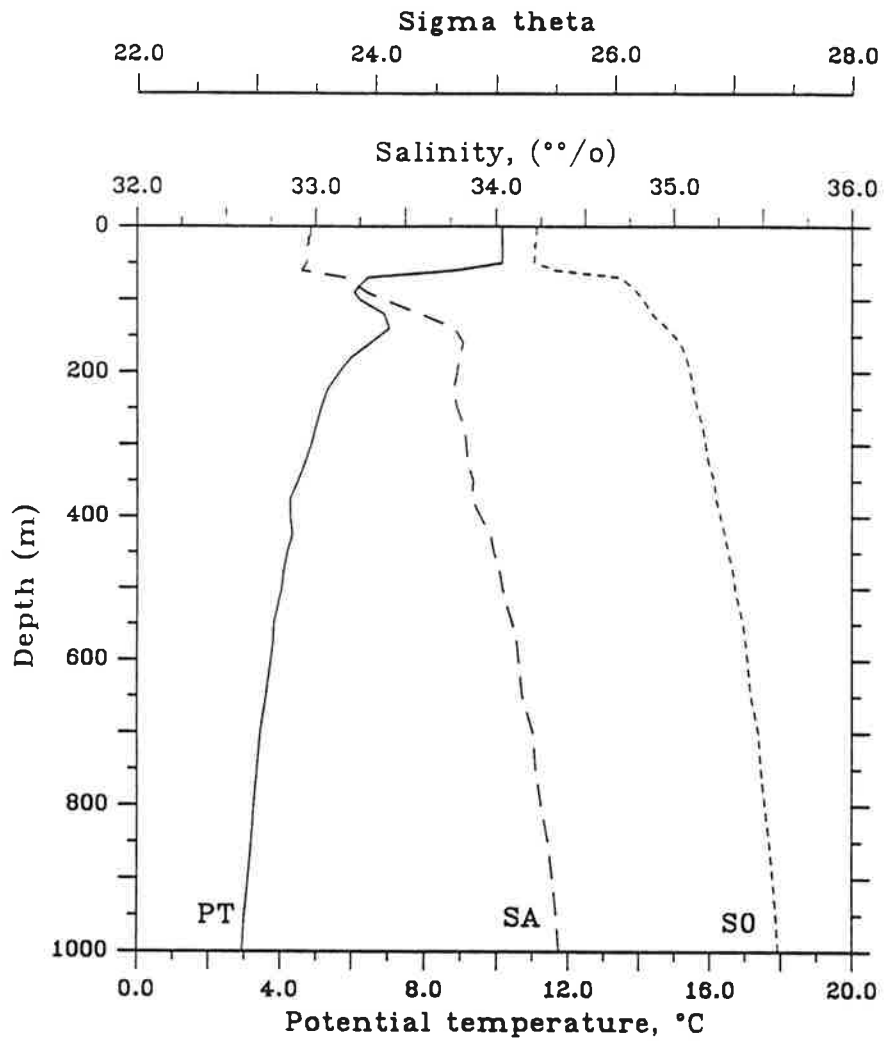


## STATION 137

LATITUDE: 45.1711 N LONGITUDE: 170.9572 W DATE: 31 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	10.172	32.972	10.172	25.340	25.340	29.829	25.340	1488.0	262.419	1.25	.00
2.0	2.0	10.172	32.972	10.172	25.340	25.340	29.829	25.349	1488.0	262.458	1.24	.25
4.0	4.0	10.172	32.972	10.172	25.340	25.340	29.829	25.358	1488.0	262.496	1.23	.25
6.0	6.1	10.172	32.972	10.172	25.340	25.340	29.829	25.367	1488.0	262.535	1.22	.25
8.0	8.1	10.172	32.972	10.171	25.340	25.340	29.829	25.376	1488.0	262.573	1.22	.25
10.0	10.1	10.172	32.972	10.171	25.340	25.340	29.829	25.386	1488.0	262.612	1.21	.25
12.0	12.1	10.172	32.972	10.171	25.340	25.340	29.829	25.395	1488.0	262.650	1.21	-8.01
14.0	14.2	10.172	32.966	10.170	25.336	25.336	29.825	25.400	1488.0	263.078	1.20	-10.85
16.0	16.2	10.174	32.957	10.172	25.328	25.329	29.818	25.401	1488.0	263.831	1.20	10.41
18.0	18.2	10.175	32.966	10.173	25.335	25.336	29.824	25.417	1488.0	263.213	1.19	-10.56
20.0	20.2	10.175	32.957	10.172	25.328	25.329	29.818	25.419	1488.0	263.927	1.19	8.06
22.0	22.2	10.173	32.962	10.171	25.332	25.333	29.822	25.433	1488.0	263.572	1.18	.88
24.0	24.3	10.176	32.963	10.173	25.332	25.333	29.822	25.442	1488.0	263.607	1.18	-12.63
26.0	26.3	10.179	32.951	10.176	25.322	25.323	29.812	25.441	1488.0	264.612	1.17	8.31
28.0	28.3	10.176	32.955	10.173	25.327	25.327	29.816	25.454	1488.0	264.233	1.17	3.40
30.0	30.3	10.177	32.957	10.174	25.327	25.328	29.817	25.464	1488.0	264.201	1.16	-4.72
35.0	35.4	10.178	32.952	10.174	25.324	25.324	29.813	25.483	1488.0	264.635	1.15	.98
40.0	40.4	10.179	32.953	10.175	25.324	25.325	29.813	25.506	1488.0	264.718	1.14	-3.74
45.0	45.5	10.182	32.951	10.177	25.322	25.323	29.812	25.527	1488.1	265.027	1.13	2.91
50.0	50.5	10.176	32.951	10.170	25.323	25.324	29.813	25.551	1488.0	264.995	1.11	23.55
60.0	60.7	8.941	32.921	8.935	25.500	25.501	30.014	25.774	1483.5	248.251	1.10	41.55
70.0	70.8	6.465	33.172	6.459	26.050	26.051	30.614	26.373	1474.4	195.834	1.07	15.22
80.0	80.9	6.265	33.233	6.258	26.124	26.125	30.692	26.493	1473.7	188.919	1.05	14.14
90.0	91.0	6.090	33.286	6.083	26.187	26.188	30.760	26.604	1473.1	182.966	1.03	13.05
100.0	101.1	6.235	33.378	6.226	26.242	26.243	30.810	26.704	1473.8	177.969	1.01	10.53
120.0	121.3	6.924	33.582	6.913	26.313	26.314	30.865	26.865	1476.8	171.682	.99	14.40
140.0	141.6	7.063	33.774	7.050	26.445	26.447	30.993	27.089	1477.6	159.480	.96	12.90
160.0	161.8	6.542	33.820	6.528	26.551	26.553	31.111	27.289	1475.6	149.547	.93	8.87
180.0	182.0	6.007	33.796	5.992	26.601	26.603	31.173	27.433	1473.5	144.877	.89	7.21
200.0	202.2	5.681	33.787	5.664	26.634	26.636	31.213	27.559	1472.3	141.851	.86	5.85
225.0	227.5	5.328	33.768	5.310	26.661	26.663	31.249	27.703	1470.9	139.403	.83	6.60
250.0	252.8	5.157	33.787	5.137	26.696	26.698	31.287	27.854	1470.2	136.301	.80	7.55
275.0	278.1	5.014	33.824	4.993	26.741	26.743	31.336	28.016	1469.7	132.192	.76	5.69
300.0	303.4	4.888	33.838	4.865	26.767	26.769	31.365	28.158	1469.3	129.933	.73	5.47
325.0	328.7	4.714	33.843	4.690	26.791	26.793	31.392	28.299	1468.6	127.815	.70	7.77
350.0	354.1	4.519	33.877	4.493	26.838	26.841	31.445	28.464	1467.9	123.373	.66	4.39
375.0	379.4	4.291	33.865	4.264	26.854	26.856	31.466	28.597	1467.0	121.973	.63	6.99
400.0	404.7	4.295	33.915	4.266	26.893	26.896	31.504	28.751	1467.1	118.525	.60	6.79
425.0	430.0	4.352	33.969	4.321	26.929	26.933	31.540	28.903	1467.4	115.334	.57	6.26
450.0	455.3	4.209	33.989	4.176	26.961	26.964	31.575	29.051	1466.9	112.477	.54	6.70
475.0	480.6	4.108	34.021	4.074	26.996	27.000	31.613	29.203	1466.6	109.227	.51	4.87
500.0	506.0	4.056	34.038	4.021	27.015	27.019	31.633	29.338	1466.4	107.609	.48	6.21
525.0	531.3	3.943	34.062	3.906	27.046	27.049	31.666	29.486	1466.0	104.800	.45	6.70
550.0	556.6	3.831	34.092	3.793	27.081	27.085	31.704	29.638	1465.6	101.504	.43	4.94
575.0	582.0	3.816	34.115	3.776	27.101	27.105	31.724	29.773	1465.6	99.858	.40	4.38
600.0	607.3	3.750	34.126	3.708	27.116	27.120	31.741	29.905	1465.4	98.535	.38	4.32
650.0	658.0	3.613	34.146	3.568	27.146	27.150	31.774	30.167	1465.0	95.941	.35	6.28
700.0	708.7	3.457	34.206	3.409	27.208	27.213	31.841	30.463	1464.5	90.188	.30	3.64
750.0	759.4	3.367	34.221	3.316	27.229	27.234	31.864	30.716	1464.2	88.419	.25	4.53
800.0	810.1	3.278	34.251	3.224	27.262	27.267	31.899	30.980	1463.9	85.554	.21	4.85
850.0	860.8	3.208	34.290	3.150	27.299	27.304	31.938	31.249	1463.8	82.262	.16	4.18
900.0	911.6	3.111	34.313	3.050	27.327	27.332	31.968	31.509	1463.5	79.798	.12	4.05
950.0	962.3	3.013	34.335	2.949	27.353	27.359	31.997	31.767	1463.1	77.475	.08	3.29
1000.0	1013.1	2.949	34.349	2.881	27.370	27.376	32.016	32.016	1463.0	76.036	.00	8.33

STATION 137



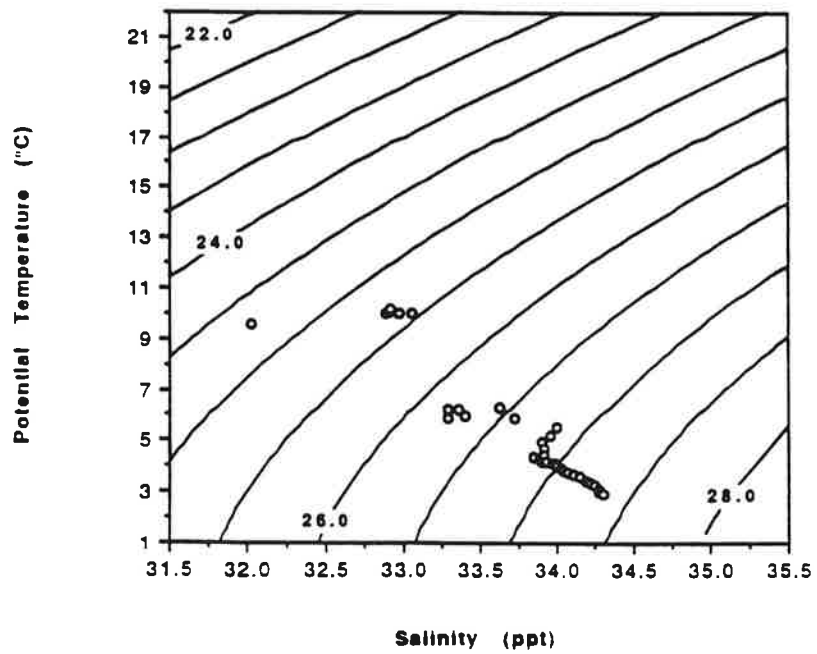
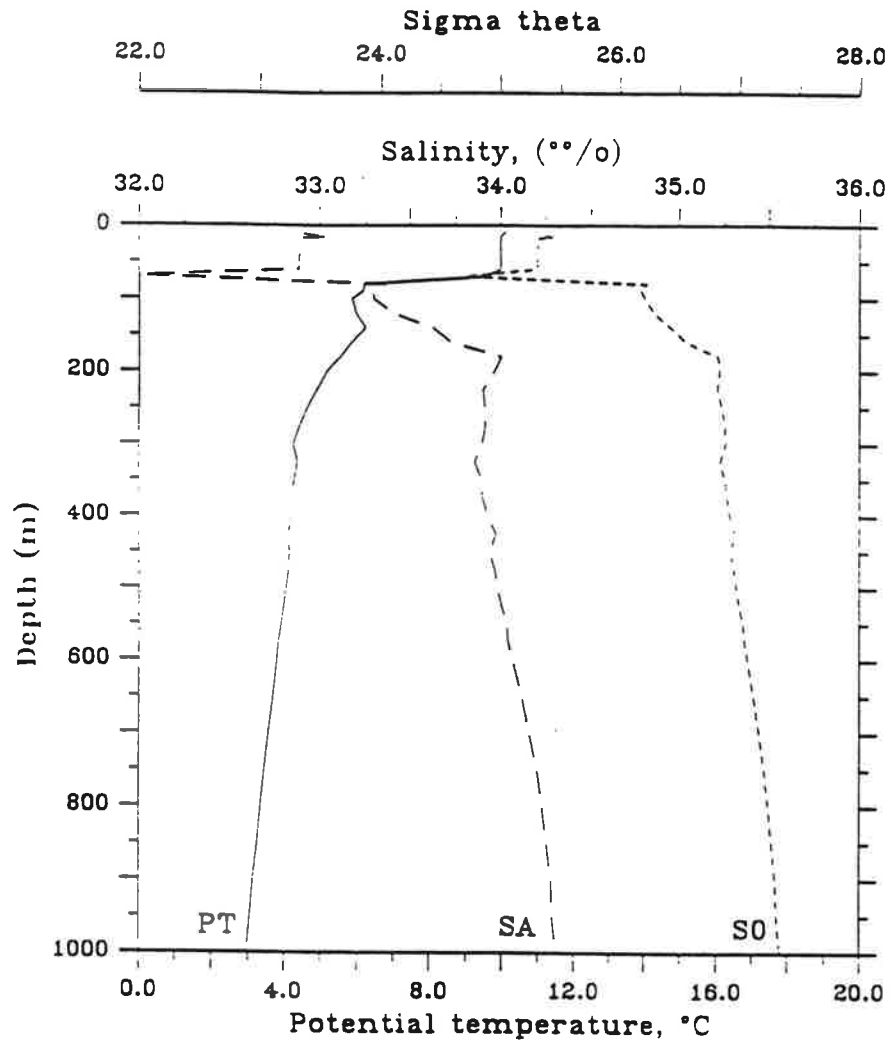
## STATION 139

LATITUDE: 45.6256 N LONGITUDE: 171.0850 W DATE: 1 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYWH	BVA1
.0	.0	10.128	32.918	10.128	25.306	25.306	29.796	25.306	1487.8	265.701	1.26	.00
2.0	2.0	10.128	32.918	10.128	25.306	25.306	29.796	25.315	1487.8	265.739	1.25	.25
4.0	4.0	10.128	32.918	10.128	25.306	25.306	29.796	25.324	1487.8	265.777	1.24	.25
6.0	6.1	10.128	32.918	10.128	25.306	25.306	29.796	25.333	1487.8	265.815	1.24	.25
8.0	8.1	10.128	32.918	10.127	25.306	25.306	29.796	25.342	1487.8	265.854	1.23	.25
10.0	10.1	10.128	32.918	10.127	25.306	25.306	29.796	25.351	1487.8	265.892	1.22	11.97
12.0	12.1	10.054	32.914	10.053	25.315	25.315	29.806	25.369	1487.5	265.060	1.22	27.65
14.0	14.2	10.023	32.970	10.021	25.363	25.364	29.855	25.427	1487.5	260.464	1.21	32.26
16.0	16.2	10.000	33.050	9.999	25.430	25.430	29.922	25.503	1487.5	254.195	1.21	-43.86
18.0	18.2	9.996	32.892	9.994	25.307	25.307	29.800	25.389	1487.3	265.896	1.20	-8.48
20.0	20.2	9.999	32.887	9.997	25.302	25.303	29.796	25.394	1487.3	266.371	1.20	6.79
22.0	22.2	9.997	32.890	9.994	25.305	25.306	29.798	25.406	1487.3	266.129	1.19	2.18
24.0	24.3	9.996	32.890	9.994	25.306	25.306	29.799	25.415	1487.3	266.139	1.19	-4.18
26.0	26.3	9.998	32.889	9.995	25.305	25.305	29.798	25.423	1487.3	266.283	1.18	5.13
28.0	28.3	9.994	32.890	9.991	25.306	25.307	29.800	25.434	1487.3	266.161	1.18	7.57
30.0	30.3	9.991	32.894	9.988	25.310	25.310	29.803	25.447	1487.3	265.852	1.17	-2.90
35.0	35.4	9.994	32.893	9.990	25.309	25.309	29.802	25.468	1487.3	266.074	1.17	-3.01
40.0	40.5	9.994	32.891	9.989	25.307	25.308	29.801	25.489	1487.3	266.306	1.15	-6.77
45.0	45.5	10.001	32.883	9.996	25.300	25.301	29.793	25.505	1487.3	267.096	1.14	5.79
50.0	50.6	9.999	32.890	9.993	25.305	25.306	29.799	25.533	1487.3	266.682	1.12	-3.22
60.0	60.7	9.995	32.885	9.988	25.302	25.303	29.796	25.575	1487.3	267.185	1.11	-43.33
70.0	70.8	9.531	32.021	9.524	24.703	24.705	29.212	25.023	1484.6	324.193	1.08	69.17
80.0	80.9	6.224	33.358	6.217	26.227	26.228	30.796	26.597	1473.7	179.109	1.05	-11.81
90.0	91.0	6.169	33.292	6.161	26.183	26.184	30.753	26.599	1473.4	183.441	1.03	10.42
100.0	101.1	5.891	33.292	5.882	26.217	26.218	30.794	26.680	1472.3	180.222	1.01	10.90
120.0	121.4	5.995	33.405	5.985	26.293	26.294	30.867	26.848	1472.9	173.294	.99	14.92
140.0	141.6	6.255	33.626	6.243	26.435	26.437	31.002	27.082	1474.2	160.151	.95	14.05
160.0	161.9	5.879	33.726	5.866	26.561	26.563	31.136	27.301	1472.9	148.357	.92	20.11
180.0	182.1	5.568	34.004	5.553	26.819	26.821	31.399	27.652	1472.0	124.067	.89	4.06
200.0	202.3	5.205	33.963	5.190	26.830	26.831	31.418	27.757	1470.6	123.158	.86	-4.74
225.0	227.7	4.933	33.901	4.916	26.811	26.813	31.407	27.855	1469.4	124.995	.84	6.91
250.0	253.0	4.664	33.910	4.646	26.849	26.851	31.451	28.010	1468.4	121.516	.80	5.64
275.0	278.3	4.450	33.913	4.430	26.874	26.877	31.482	28.153	1467.5	119.238	.77	2.59
300.0	303.6	4.267	33.895	4.245	26.880	26.882	31.492	28.275	1466.8	118.843	.74	-7.57
325.0	328.9	4.385	33.853	4.362	26.834	26.836	31.444	28.344	1467.3	123.461	.71	7.07
350.0	354.2	4.304	33.893	4.279	26.874	26.876	31.485	28.501	1467.0	119.866	.68	4.81
375.0	379.6	4.170	33.898	4.143	26.892	26.895	31.507	28.636	1466.5	118.240	.65	5.37
400.0	404.9	4.178	33.928	4.149	26.915	26.918	31.530	28.774	1466.6	116.297	.62	7.04
425.0	430.2	4.138	33.972	4.108	26.955	26.958	31.570	28.930	1466.6	112.757	.59	-6.13
450.0	455.5	4.154	33.937	4.122	26.925	26.928	31.540	29.016	1466.6	115.804	.56	5.62
475.0	480.9	4.137	33.966	4.103	26.950	26.953	31.566	29.157	1466.6	113.629	.53	5.14
500.0	506.2	4.066	33.983	4.031	26.971	26.974	31.588	29.294	1466.4	111.783	.50	5.50
525.0	531.6	4.005	34.006	3.968	26.995	26.999	31.614	29.434	1466.2	109.658	.47	6.21
550.0	556.9	3.926	34.034	3.887	27.025	27.029	31.647	29.581	1466.0	106.878	.45	4.13
575.0	582.2	3.843	34.041	3.803	27.039	27.043	31.662	29.711	1465.7	105.697	.42	5.72
600.0	607.6	3.797	34.068	3.755	27.065	27.069	31.689	29.853	1465.6	103.383	.39	5.59
650.0	658.3	3.693	34.117	3.647	27.115	27.119	31.742	30.135	1465.3	98.955	.36	5.32
700.0	709.0	3.562	34.157	3.513	27.160	27.164	31.790	30.413	1464.8	94.914	.31	5.25
750.0	759.8	3.454	34.199	3.402	27.204	27.208	31.837	30.689	1464.5	90.981	.26	4.49
800.0	810.5	3.344	34.226	3.289	27.235	27.241	31.871	30.953	1464.2	88.143	.22	4.22
850.0	861.2	3.251	34.250	3.193	27.264	27.269	31.902	31.213	1463.9	85.660	.17	4.44
900.0	912.0	3.134	34.276	3.072	27.295	27.300	31.936	31.477	1463.5	82.834	.13	2.82
950.0	962.8	3.050	34.282	2.986	27.307	27.313	31.951	31.722	1463.2	81.799	.08	3.92
1000.0	1013.6	2.950	34.301	2.883	27.332	27.338	31.978	31.978	1462.9	79.606	.00	7.91



STATION 139

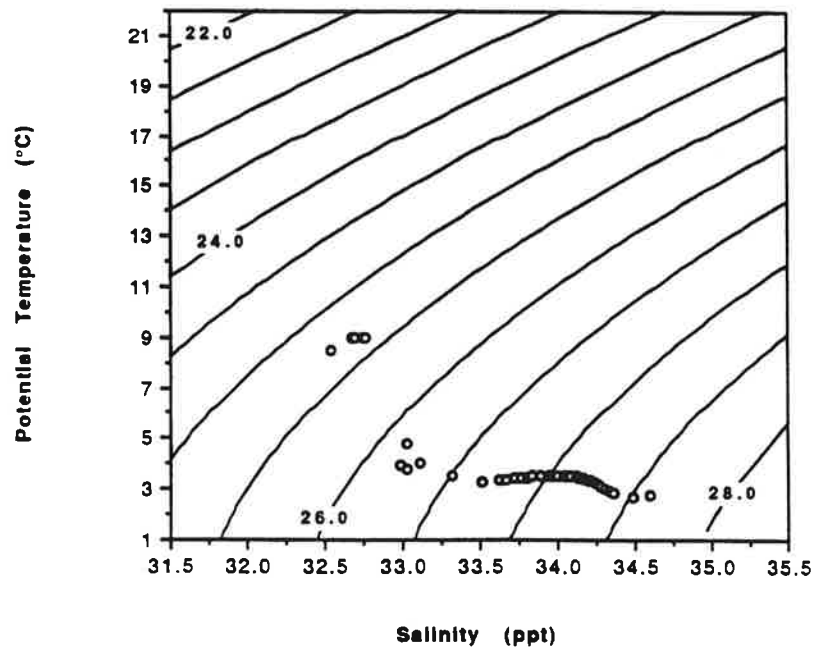
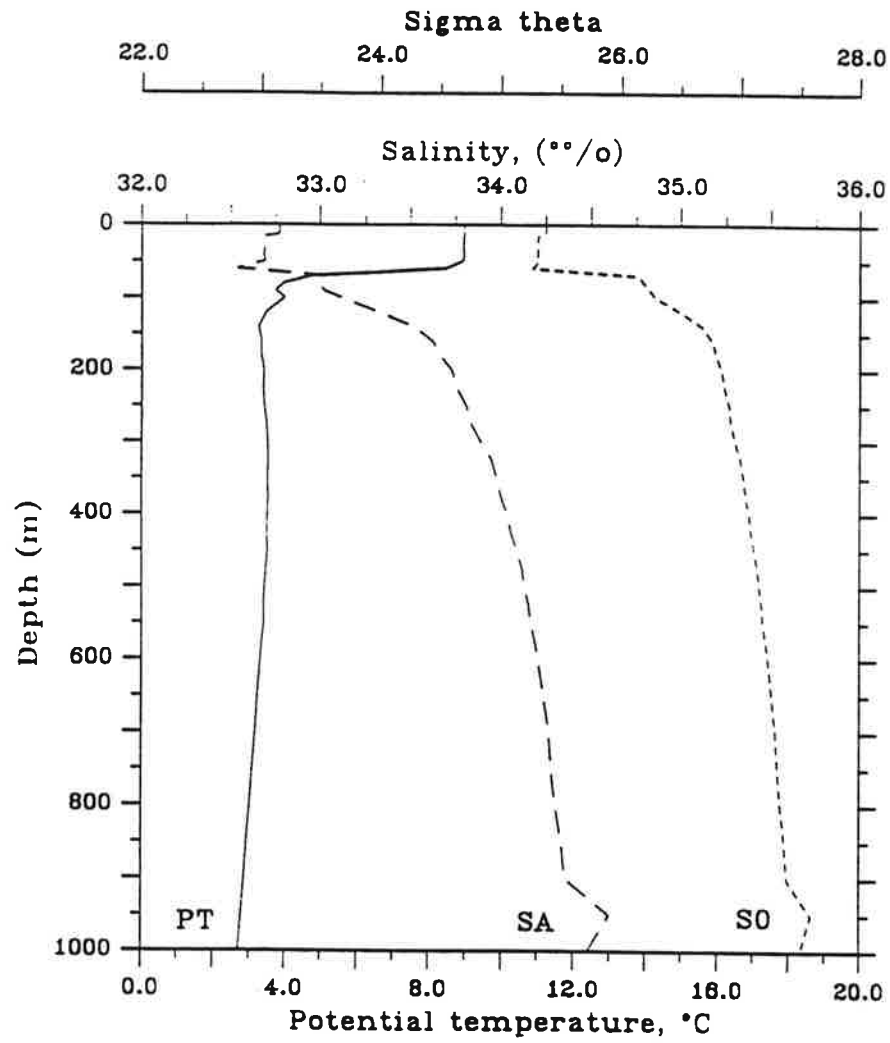


## STATION 144

LATITUDE: 47.0019 N LONGITUDE: 170.9956 W DATE: 1 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	8.977	32.771	8.977	25.377	25.377	29.890	25.377	1483.4	258.935	1.13	.00
2.0	2.0	8.977	32.771	8.977	25.377	25.377	29.890	25.386	1483.4	258.969	1.11	.22
4.0	4.0	8.977	32.771	8.977	25.377	25.377	29.890	25.395	1483.4	259.003	1.11	.22
6.0	6.0	8.977	32.771	8.976	25.377	25.377	29.890	25.404	1483.4	259.036	1.10	.22
8.0	8.1	8.977	32.771	8.976	25.377	25.377	29.890	25.413	1483.4	259.070	1.10	.22
10.0	10.1	8.977	32.771	8.976	25.377	25.377	29.890	25.422	1483.4	259.104	1.09	.22
12.0	12.1	8.977	32.771	8.976	25.377	25.377	29.890	25.432	1483.4	259.138	1.08	-16.40
14.0	14.1	8.998	32.753	8.997	25.360	25.360	29.873	25.424	1483.4	260.802	1.08	-28.14
16.0	16.1	8.977	32.684	8.976	25.309	25.309	29.823	25.382	1483.3	265.634	1.07	7.48
18.0	18.1	8.972	32.688	8.970	25.313	25.313	29.827	25.395	1483.3	265.328	1.07	-8.80
20.0	20.1	8.972	32.681	8.970	25.308	25.308	29.822	25.399	1483.3	265.832	1.06	6.03
22.0	22.1	8.973	32.685	8.971	25.310	25.310	29.824	25.411	1483.3	265.645	1.06	-7.30
24.0	24.2	8.975	32.681	8.973	25.306	25.307	29.821	25.417	1483.3	266.001	1.05	5.99
26.0	26.2	8.972	32.683	8.969	25.309	25.309	29.824	25.428	1483.3	265.818	1.05	-1.51
28.0	28.2	8.966	32.682	8.963	25.309	25.309	29.824	25.437	1483.3	265.865	1.04	-.92
30.0	30.2	8.969	32.682	8.966	25.309	25.309	29.823	25.446	1483.3	265.904	1.04	3.25
35.0	35.2	8.973	32.685	8.969	25.310	25.311	29.825	25.471	1483.3	265.828	1.03	-3.98
40.0	40.3	8.977	32.683	8.973	25.308	25.309	29.823	25.491	1483.3	266.153	1.02	2.02
45.0	45.3	8.975	32.683	8.970	25.309	25.309	29.824	25.514	1483.3	266.176	1.00	7.01
50.0	50.3	8.952	32.688	8.946	25.316	25.317	29.832	25.545	1483.3	265.515	.99	-12.17
60.0	60.4	8.488	32.538	8.482	25.269	25.270	29.795	25.544	1481.4	270.118	.98	52.27
70.0	70.5	4.741	33.026	4.736	26.139	26.140	30.744	26.465	1467.3	187.075	.95	12.66
80.0	80.5	3.978	32.991	3.973	26.190	26.191	30.814	26.564	1464.1	182.178	.93	12.21
90.0	90.6	3.745	33.022	3.739	26.237	26.238	30.867	26.659	1463.1	177.696	.91	12.69
100.0	100.7	4.001	33.118	3.995	26.289	26.290	30.912	26.756	1464.4	172.949	.89	18.37
120.0	120.8	3.481	33.325	3.474	26.504	26.505	31.138	27.066	1462.5	152.569	.87	16.59
140.0	141.0	3.267	33.520	3.258	26.680	26.681	31.317	27.336	1461.9	136.001	.84	10.99
160.0	161.1	3.344	33.626	3.334	26.757	26.758	31.392	27.506	1462.3	128.854	.81	7.17
180.0	181.3	3.344	33.667	3.333	26.790	26.791	31.424	27.632	1462.4	125.880	.78	8.11
200.0	201.4	3.418	33.729	3.406	26.832	26.833	31.464	27.767	1462.9	122.071	.76	5.57
225.0	226.6	3.402	33.758	3.388	26.856	26.858	31.490	27.909	1462.9	119.892	.73	6.95
250.0	251.8	3.434	33.810	3.418	26.895	26.897	31.527	28.064	1463.1	116.443	.70	4.39
275.0	277.0	3.501	33.837	3.483	26.910	26.912	31.541	28.195	1463.5	115.204	.67	6.97
300.0	302.2	3.527	33.889	3.508	26.949	26.951	31.579	28.350	1463.7	111.735	.64	7.58
325.0	327.4	3.543	33.949	3.522	26.995	26.997	31.624	28.512	1463.9	107.599	.61	5.38
350.0	352.6	3.525	33.975	3.502	27.018	27.021	31.648	28.651	1463.9	105.587	.58	4.65
375.0	377.8	3.542	33.999	3.517	27.035	27.038	31.665	28.785	1464.0	104.156	.56	6.32
400.0	403.0	3.522	34.037	3.495	27.067	27.070	31.697	28.933	1464.0	101.320	.53	4.47
425.0	428.2	3.513	34.056	3.485	27.083	27.086	31.713	29.065	1464.1	99.994	.50	5.68
450.0	453.4	3.525	34.089	3.494	27.109	27.112	31.738	29.206	1464.2	97.764	.48	5.89
475.0	478.6	3.482	34.119	3.450	27.137	27.140	31.767	29.350	1464.1	95.300	.45	4.36
500.0	503.8	3.443	34.133	3.409	27.152	27.155	31.783	29.482	1464.0	94.016	.43	5.04
525.0	529.0	3.415	34.155	3.380	27.172	27.175	31.804	29.618	1463.9	92.261	.40	3.45
550.0	554.3	3.427	34.168	3.390	27.181	27.185	31.813	29.743	1464.0	91.561	.38	5.44
575.0	579.5	3.367	34.191	3.328	27.205	27.209	31.839	29.883	1463.9	89.445	.36	4.85
600.0	604.7	3.324	34.209	3.284	27.224	27.228	31.859	30.018	1463.7	87.800	.33	4.43
650.0	655.2	3.240	34.238	3.197	27.255	27.259	31.892	30.282	1463.5	85.099	.31	4.39
700.0	705.7	3.178	34.270	3.132	27.286	27.290	31.924	30.545	1463.4	82.457	.27	3.26
750.0	756.2	3.095	34.281	3.045	27.302	27.307	31.944	30.794	1463.1	81.068	.22	4.01
800.0	806.7	3.020	34.304	2.967	27.328	27.333	31.971	31.051	1462.9	78.858	.18	4.67
850.0	857.2	2.937	34.338	2.881	27.363	27.368	32.008	31.318	1462.7	75.770	.14	3.64
900.0	907.7	2.869	34.357	2.810	27.384	27.389	32.031	31.571	1462.5	73.968	.10	11.24
950.0	958.2	2.790	34.601	2.727	27.585	27.591	32.233	32.003	1462.5	55.323	.06	-7.49
1000.0	1008.8	2.713	34.480	2.648	27.495	27.501	32.146	32.146	1462.1	63.792	.00	8.30

## STATION 144

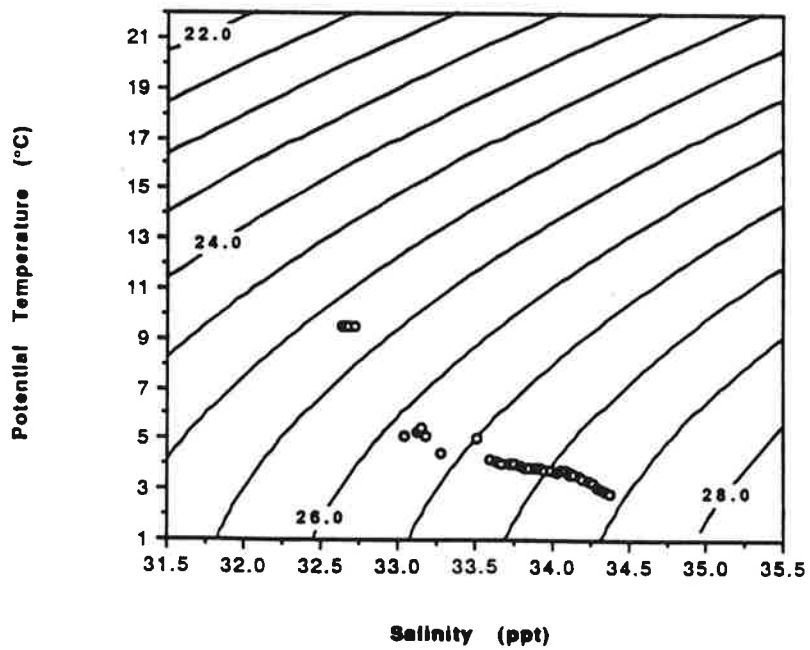
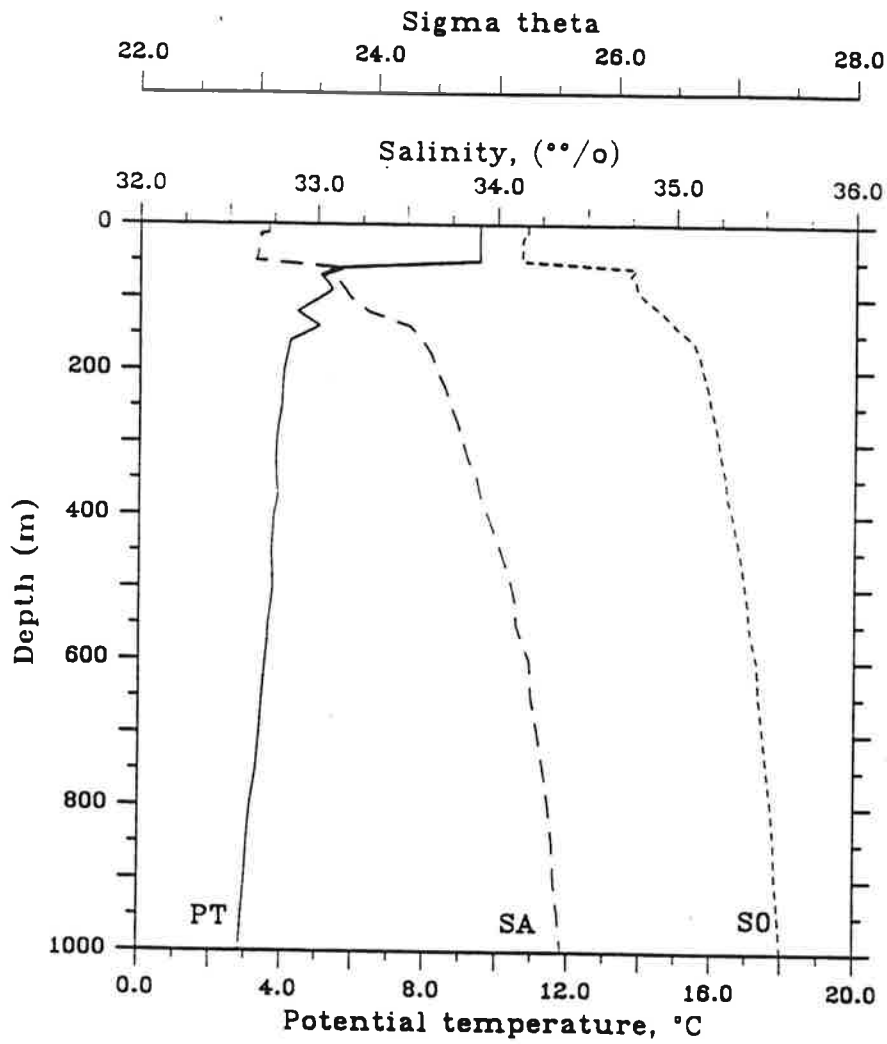


## STATION 147

LATITUDE: 47.0694 N LONGITUDE: 168.1397 W DATE: 2 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	9.507	32.719	9.507	25.252	25.252	29.755	25.252	1485.3	270.778	1.20	.00
2.0	2.0	9.507	32.719	9.507	25.252	25.252	29.755	25.261	1485.3	270.814	1.18	.24
4.0	4.0	9.507	32.719	9.507	25.252	25.252	29.755	25.270	1485.3	270.849	1.17	.24
6.0	6.1	9.507	32.719	9.507	25.252	25.252	29.755	25.279	1485.3	270.885	1.17	.24
8.0	8.1	9.507	32.719	9.506	25.252	25.252	29.756	25.289	1485.3	270.921	1.16	.24
10.0	10.1	9.507	32.719	9.506	25.252	25.252	29.756	25.298	1485.3	270.956	1.16	.24
12.0	12.1	9.507	32.719	9.506	25.252	25.252	29.756	25.307	1485.3	270.992	1.15	-24.06
14.0	14.1	9.496	32.669	9.494	25.215	25.215	29.719	25.279	1485.2	274.535	1.15	12.98
16.0	16.1	9.498	32.683	9.496	25.226	25.226	29.730	25.299	1485.2	273.549	1.14	-13.59
18.0	18.1	9.496	32.668	9.494	25.214	25.215	29.719	25.296	1485.2	274.704	1.14	-6.59
20.0	20.2	9.504	32.666	9.502	25.211	25.212	29.716	25.303	1485.2	275.004	1.13	-9.82
22.0	22.2	9.506	32.659	9.503	25.205	25.206	29.709	25.306	1485.2	275.624	1.12	4.81
24.0	24.2	9.505	32.660	9.502	25.207	25.207	29.711	25.316	1485.2	275.520	1.12	-3.79
26.0	26.2	9.504	32.659	9.501	25.206	25.206	29.710	25.325	1485.2	275.642	1.11	-2.24
28.0	28.2	9.503	32.658	9.500	25.206	25.206	29.710	25.333	1485.2	275.708	1.11	6.91
30.0	30.2	9.501	32.662	9.498	25.209	25.209	29.713	25.346	1485.2	275.454	1.10	-3.52
35.0	35.3	9.502	32.660	9.499	25.207	25.207	29.711	25.367	1485.2	275.730	1.10	-2.43
40.0	40.3	9.505	32.659	9.501	25.206	25.206	29.710	25.388	1485.2	275.909	1.08	-4.48
45.0	45.4	9.507	32.655	9.502	25.202	25.203	29.707	25.408	1485.3	276.303	1.07	-6.77
50.0	50.4	9.503	32.645	9.497	25.195	25.196	29.700	25.423	1485.2	277.085	1.05	55.08
60.0	60.5	5.480	33.160	5.475	26.161	26.162	30.748	26.440	1470.4	184.984	1.04	-12.80
70.0	70.6	5.083	33.036	5.078	26.109	26.110	30.706	26.435	1468.7	189.989	1.02	12.32
80.0	80.6	5.275	33.125	5.269	26.157	26.158	30.749	26.529	1469.6	185.523	1.00	5.39
90.0	90.7	5.410	33.156	5.403	26.167	26.168	30.755	26.584	1470.2	184.770	.98	13.19
100.0	100.8	5.103	33.181	5.095	26.222	26.223	30.818	26.687	1469.0	179.551	.96	15.56
120.0	121.0	4.430	33.283	4.421	26.376	26.377	30.987	26.936	1466.4	164.945	.94	13.54
140.0	141.1	5.055	33.517	5.045	26.493	26.495	31.088	27.144	1469.3	154.227	.91	15.25
160.0	161.3	4.229	33.591	4.218	26.642	26.643	31.256	27.388	1466.0	140.105	.87	8.88
180.0	181.5	4.140	33.642	4.127	26.692	26.693	31.308	27.531	1465.7	135.479	.84	6.72
200.0	201.7	4.047	33.667	4.033	26.721	26.722	31.339	27.653	1465.4	132.875	.82	7.35
225.0	226.9	4.012	33.716	3.996	26.764	26.765	31.382	27.813	1465.4	128.983	.79	5.79
250.0	252.1	3.993	33.747	3.976	26.791	26.792	31.410	27.956	1465.4	126.649	.75	7.03
275.0	277.3	3.902	33.785	3.884	26.830	26.832	31.451	28.112	1465.1	123.076	.72	5.88
300.0	302.5	3.848	33.813	3.828	26.857	26.860	31.480	28.256	1464.9	120.635	.69	5.64
325.0	327.8	3.837	33.844	3.815	26.883	26.885	31.505	28.397	1465.0	118.426	.66	6.70
350.0	353.0	3.852	33.890	3.828	26.919	26.921	31.541	28.549	1465.1	115.254	.63	3.83
375.0	378.2	3.896	33.911	3.870	26.930	26.933	31.552	28.677	1465.4	114.382	.60	7.34
400.0	403.5	3.781	33.950	3.754	26.973	26.976	31.597	28.836	1465.0	110.430	.57	6.28
425.0	428.7	3.750	33.986	3.721	27.005	27.008	31.629	28.984	1465.0	107.635	.54	6.43
450.0	454.0	3.715	34.023	3.684	27.038	27.041	31.663	29.133	1464.9	104.688	.51	5.56
475.0	479.2	3.739	34.057	3.707	27.062	27.066	31.687	29.273	1465.1	102.586	.49	5.28
500.0	504.5	3.755	34.087	3.720	27.085	27.088	31.709	29.411	1465.2	100.703	.46	5.40
525.0	529.7	3.695	34.109	3.659	27.108	27.111	31.734	29.551	1465.1	98.645	.43	3.23
550.0	555.0	3.619	34.110	3.582	27.116	27.120	31.744	29.675	1464.8	97.965	.41	6.18
575.0	580.2	3.599	34.145	3.560	27.146	27.150	31.775	29.822	1464.8	95.266	.38	6.91
600.0	605.5	3.547	34.187	3.506	27.185	27.189	31.814	29.976	1464.7	91.811	.36	3.22
650.0	656.0	3.456	34.196	3.412	27.201	27.205	31.833	30.225	1464.4	90.506	.33	4.77
700.0	706.6	3.386	34.233	3.338	27.237	27.242	31.871	30.493	1464.2	87.354	.29	4.67
750.0	757.1	3.298	34.266	3.247	27.272	27.277	31.908	30.759	1463.9	84.301	.24	4.88
800.0	807.7	3.136	34.295	3.082	27.310	27.315	31.950	31.031	1463.4	80.808	.20	4.02
850.0	858.3	3.052	34.317	2.995	27.335	27.340	31.978	31.288	1463.1	78.570	.16	2.75
900.0	908.9	2.998	34.326	2.938	27.347	27.353	31.991	31.532	1463.0	77.659	.12	4.14
950.0	959.5	2.912	34.350	2.848	27.374	27.380	32.021	31.791	1462.7	75.243	.08	3.53
1000.0	1010.1	2.852	34.368	2.786	27.394	27.400	32.042	32.042	1462.6	73.558	.00	7.96

## STATION 147

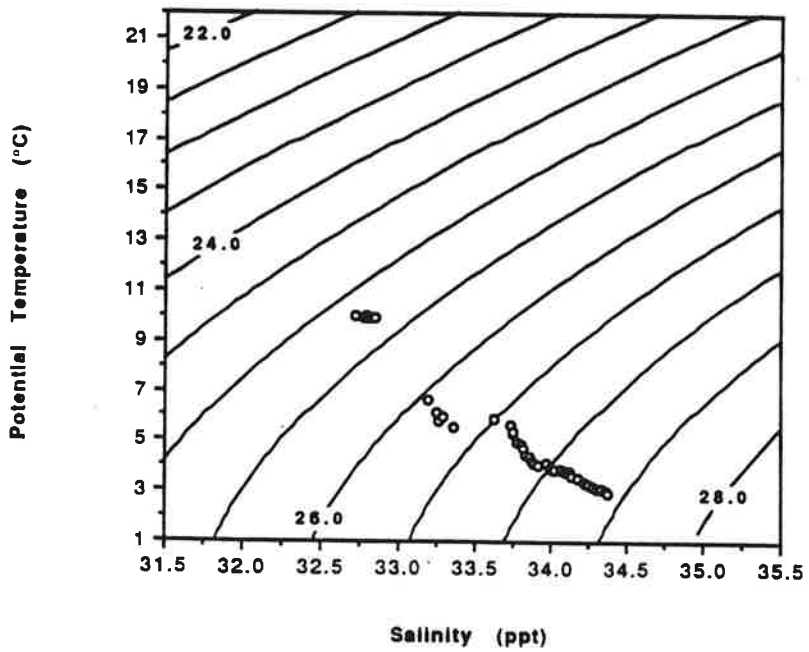
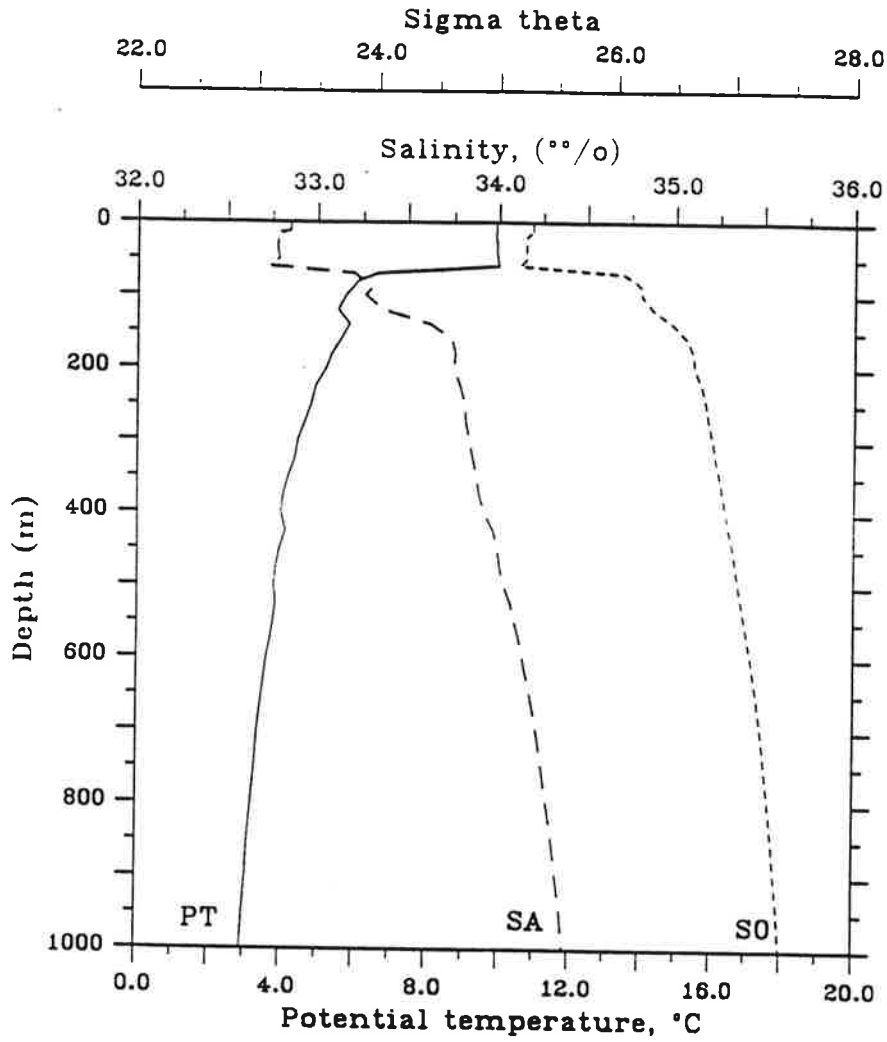


## STATION 154

LATITUDE: 45.2583 N LONGITUDE: 168.0197 W DATE: 2 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	9.914	32.848	9.914	25.287	25.287	29.781	25.287	1486.9	267.514	1.23	.00
2.0	2.0	9.914	32.848	9.914	25.287	25.287	29.781	25.296	1486.9	267.552	1.22	.24
4.0	4.0	9.914	32.848	9.914	25.287	25.287	29.781	25.305	1486.9	267.589	1.21	.24
6.0	6.1	9.914	32.848	9.914	25.287	25.287	29.781	25.314	1486.9	267.626	1.21	.24
8.0	8.1	9.914	32.848	9.913	25.287	25.287	29.781	25.323	1486.9	267.664	1.20	.24
10.0	10.1	9.914	32.848	9.913	25.287	25.287	29.781	25.332	1486.9	267.701	1.20	.24
12.0	12.1	9.914	32.848	9.913	25.287	25.287	29.781	25.341	1486.9	267.738	1.19	-25.81
14.0	14.2	9.903	32.791	9.902	25.244	25.244	29.739	25.308	1486.8	271.814	1.18	20.07
16.0	16.2	9.904	32.824	9.902	25.270	25.270	29.765	25.343	1486.9	269.411	1.18	-19.96
18.0	18.2	9.903	32.792	9.901	25.244	25.245	29.740	25.326	1486.8	271.863	1.17	-10.72
20.0	20.2	9.903	32.782	9.901	25.237	25.237	29.733	25.328	1486.8	272.597	1.17	-9.33
22.0	22.2	9.901	32.774	9.898	25.231	25.232	29.727	25.332	1486.8	273.163	1.16	1.98
24.0	24.3	9.919	32.779	9.917	25.232	25.232	29.727	25.341	1486.9	273.177	1.16	-2.40
26.0	26.3	9.919	32.778	9.916	25.231	25.232	29.727	25.350	1486.9	273.249	1.15	-4.99
28.0	28.3	9.919	32.776	9.916	25.230	25.230	29.725	25.357	1486.9	273.438	1.15	-3.89
30.0	30.3	9.924	32.776	9.920	25.229	25.229	29.724	25.365	1486.9	273.567	1.14	1.77
35.0	35.4	9.923	32.776	9.919	25.229	25.230	29.725	25.389	1486.9	273.613	1.13	.54
40.0	40.4	9.927	32.777	9.923	25.229	25.230	29.725	25.412	1486.9	273.703	1.12	3.35
45.0	45.5	9.931	32.780	9.926	25.231	25.232	29.727	25.436	1486.9	273.627	1.11	3.95
50.0	50.5	9.952	32.788	9.947	25.233	25.234	29.729	25.461	1487.0	273.487	1.09	-13.41
60.0	60.7	9.976	32.720	9.970	25.176	25.177	29.672	25.450	1487.1	279.120	1.08	52.28
70.0	70.8	6.650	33.199	6.644	26.047	26.048	30.607	26.370	1475.1	196.164	1.05	18.34
80.0	80.9	6.120	33.248	6.113	26.154	26.154	30.725	26.524	1473.1	186.038	1.03	13.64
90.0	91.0	5.952	33.297	5.944	26.213	26.214	30.788	26.630	1472.5	180.497	1.01	-4.37
100.0	101.1	5.774	33.262	5.766	26.207	26.208	30.787	26.670	1471.8	181.154	.99	12.61
120.0	121.3	5.558	33.357	5.549	26.308	26.309	30.892	26.865	1471.1	171.721	.97	16.33
140.0	141.6	5.872	33.620	5.861	26.479	26.480	31.054	27.126	1472.7	155.912	.93	13.62
160.0	161.8	5.652	33.736	5.639	26.597	26.598	31.177	27.338	1472.0	144.876	.90	8.53
180.0	182.0	5.396	33.756	5.382	26.643	26.645	31.229	27.477	1471.0	140.617	.87	4.38
200.0	202.3	5.242	33.749	5.226	26.655	26.657	31.245	27.583	1470.4	139.620	.84	8.74
225.0	227.6	4.954	33.784	4.937	26.716	26.718	31.312	27.760	1469.4	133.987	.81	6.68
250.0	252.9	4.837	33.812	4.818	26.752	26.754	31.351	27.912	1469.0	130.813	.78	5.51
275.0	278.1	4.654	33.817	4.634	26.776	26.778	31.379	28.053	1468.3	128.665	.74	6.67
300.0	303.5	4.475	33.837	4.453	26.811	26.814	31.419	28.206	1467.6	125.438	.71	5.53
325.0	328.8	4.394	33.857	4.370	26.836	26.838	31.445	28.346	1467.3	123.308	.68	6.61
350.0	354.1	4.218	33.877	4.193	26.870	26.873	31.484	28.498	1466.7	120.110	.65	5.85
375.0	379.4	4.081	33.893	4.054	26.898	26.900	31.514	28.642	1466.1	117.637	.61	6.09
400.0	404.7	4.021	33.923	3.993	26.927	26.930	31.546	28.788	1466.0	115.005	.58	5.84
425.0	430.0	4.142	33.973	4.111	26.955	26.958	31.570	28.930	1466.6	112.761	.55	6.64
450.0	455.3	3.980	33.996	3.949	26.990	26.993	31.609	29.082	1466.0	109.508	.53	5.18
475.0	480.7	3.882	34.010	3.848	27.011	27.014	31.633	29.220	1465.6	107.596	.50	5.47
500.0	506.0	3.826	34.033	3.791	27.035	27.038	31.658	29.360	1465.5	105.493	.47	5.65
525.0	531.3	3.873	34.071	3.836	27.060	27.064	31.682	29.501	1465.7	103.355	.44	5.62
550.0	556.7	3.812	34.095	3.773	27.085	27.089	31.709	29.642	1465.6	101.116	.42	6.10
575.0	582.0	3.732	34.122	3.692	27.115	27.119	31.740	29.788	1465.3	98.430	.39	5.63
600.0	607.3	3.628	34.141	3.586	27.140	27.144	31.768	29.930	1464.9	96.713	.36	5.38
650.0	658.0	3.501	34.183	3.456	27.186	27.190	31.817	30.209	1464.5	91.982	.34	5.10
700.0	708.7	3.378	34.220	3.330	27.227	27.232	31.861	30.483	1464.1	88.273	.29	4.43
750.0	759.4	3.303	34.250	3.252	27.258	27.263	31.895	30.746	1463.9	85.572	.25	4.51
800.0	810.1	3.210	34.280	3.156	27.291	27.296	31.930	31.011	1463.7	82.717	.20	4.46
850.0	860.9	3.120	34.309	3.063	27.322	27.328	31.963	31.274	1463.4	79.914	.16	3.94
900.0	911.6	3.062	34.333	3.001	27.347	27.352	31.989	31.530	1463.3	77.818	.12	4.20
950.0	962.4	2.983	34.359	2.919	27.375	27.381	32.020	31.790	1463.0	75.351	.08	3.33
1000.0	1013.1	2.922	34.374	2.855	27.392	27.398	32.039	32.039	1462.9	73.882	.00	8.20

STATION 154



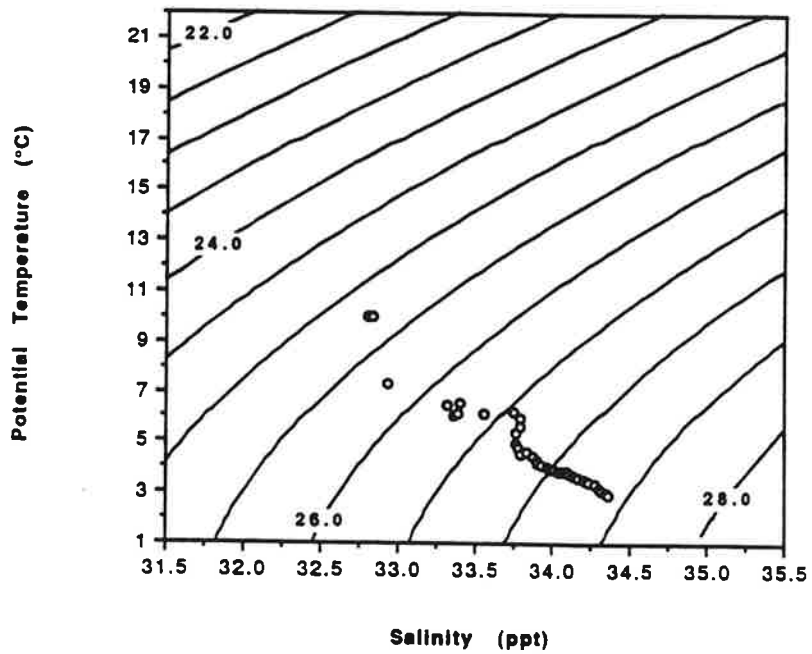
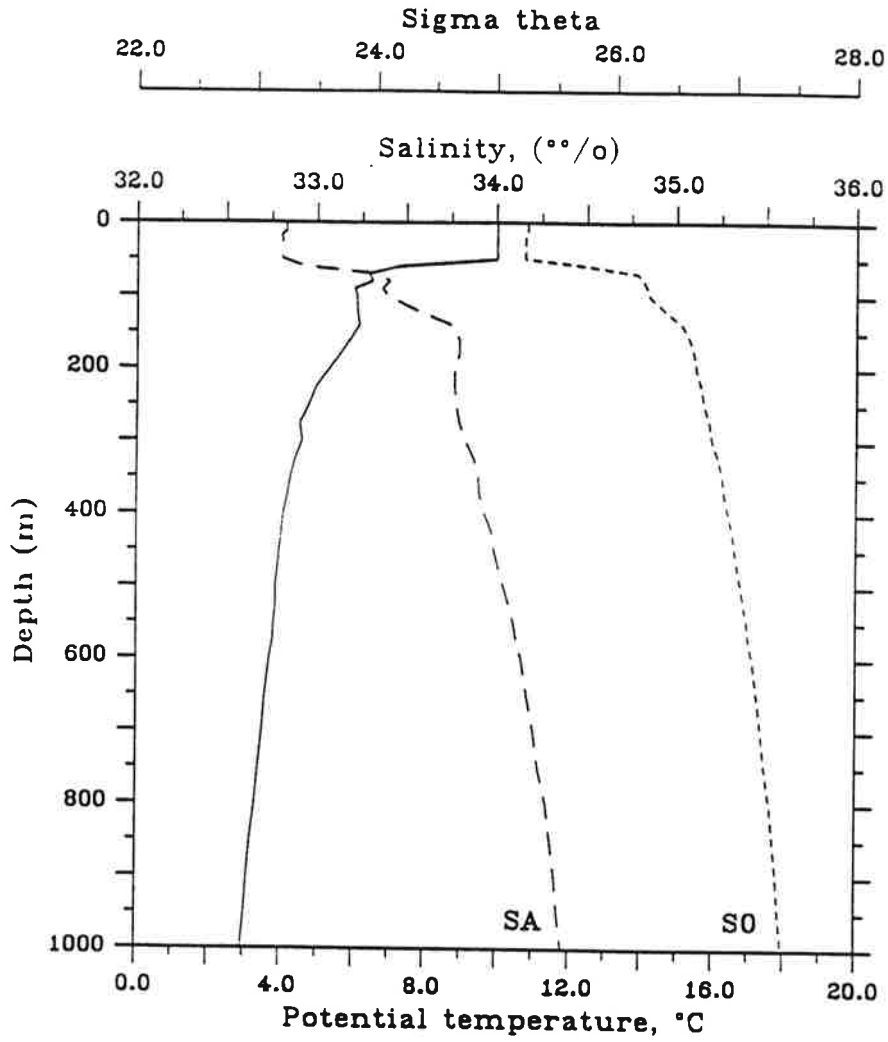
## STATION 155

LATITUDE: 45.0022 N LONGITUDE: 168.0353 W DATE: 2 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	10.013	32.830	10.013	25.256	25.256	29.749	25.256	1487.2	270.388	1.23	.00
2.0	2.0	10.013	32.830	10.013	25.256	25.256	29.749	25.265	1487.2	270.425	1.21	.24
4.0	4.0	10.013	32.830	10.013	25.256	25.256	29.749	25.274	1487.2	270.463	1.21	.24
6.0	6.1	10.013	32.830	10.013	25.256	25.256	29.749	25.284	1487.2	270.501	1.20	.24
8.0	8.1	10.013	32.830	10.012	25.256	25.256	29.749	25.293	1487.2	270.538	1.20	.24
10.0	10.1	10.013	32.830	10.012	25.256	25.257	29.749	25.302	1487.2	270.576	1.19	.24
12.0	12.1	10.013	32.830	10.012	25.256	25.257	29.749	25.311	1487.3	270.613	1.19	-11.28
14.0	14.1	10.013	32.820	10.011	25.248	25.248	29.741	25.312	1487.2	271.422	1.18	-11.93
16.0	16.2	10.009	32.807	10.007	25.239	25.239	29.733	25.312	1487.2	272.323	1.17	-4.84
18.0	18.2	10.009	32.805	10.007	25.237	25.238	29.731	25.320	1487.2	272.502	1.17	-1.22
20.0	20.2	10.012	32.806	10.010	25.237	25.238	29.731	25.329	1487.2	272.549	1.16	2.95
22.0	22.2	10.013	32.807	10.011	25.238	25.238	29.732	25.338	1487.2	272.534	1.16	6.27
24.0	24.2	10.011	32.810	10.009	25.241	25.241	29.734	25.350	1487.2	272.334	1.15	-7.72
26.0	26.3	10.014	32.805	10.011	25.237	25.237	29.730	25.355	1487.2	272.733	1.15	6.83
28.0	28.3	10.012	32.809	10.009	25.240	25.240	29.733	25.367	1487.2	272.488	1.14	1.61
30.0	30.3	10.011	32.809	10.008	25.240	25.240	29.734	25.377	1487.2	272.510	1.14	-4.21
35.0	35.4	10.008	32.805	10.004	25.237	25.238	29.731	25.396	1487.2	272.874	1.13	6.24
40.0	40.4	10.009	32.813	10.004	25.243	25.244	29.737	25.426	1487.3	272.379	1.12	-7.21
45.0	45.5	10.017	32.804	10.012	25.235	25.236	29.729	25.440	1487.3	273.263	1.10	5.60
50.0	50.5	10.009	32.808	10.004	25.240	25.241	29.734	25.468	1487.3	272.882	1.09	40.04
60.0	60.6	7.274	32.929	7.269	25.750	25.751	30.299	26.027	1477.2	224.231	1.07	36.43
70.0	70.7	6.435	33.324	6.429	26.173	26.174	30.738	26.497	1474.5	184.107	1.05	12.64
80.0	80.9	6.531	33.404	6.524	26.224	26.225	30.786	26.594	1475.0	179.417	1.03	9.69
90.0	91.0	6.039	33.363	6.031	26.254	26.255	30.827	26.671	1473.0	176.615	1.01	6.98
100.0	101.1	6.097	33.391	6.089	26.270	26.271	30.841	26.732	1473.3	175.273	.99	14.24
120.0	121.3	6.113	33.558	6.102	26.399	26.400	30.969	26.954	1473.6	163.257	.97	15.22
140.0	141.5	6.171	33.754	6.159	26.547	26.549	31.115	27.194	1474.1	149.536	.94	9.94
160.0	161.7	5.914	33.793	5.901	26.610	26.612	31.183	27.350	1473.1	143.740	.91	7.33
180.0	182.0	5.634	33.793	5.620	26.644	26.646	31.224	27.477	1472.0	140.639	.88	4.91
200.0	202.2	5.342	33.768	5.326	26.659	26.661	31.246	27.586	1470.9	139.295	.85	7.33
225.0	227.5	4.973	33.768	4.956	26.702	26.704	31.298	27.746	1469.4	135.339	.82	5.86
250.0	252.8	4.781	33.776	4.762	26.729	26.731	31.330	27.890	1468.7	132.904	.78	7.28
275.0	278.1	4.540	33.795	4.520	26.771	26.774	31.377	28.049	1467.8	129.019	.75	5.24
300.0	303.4	4.598	33.831	4.576	26.793	26.796	31.398	28.187	1468.1	127.224	.72	8.49
325.0	328.7	4.409	33.877	4.385	26.851	26.853	31.459	28.361	1467.4	121.909	.68	6.24
350.0	354.0	4.284	33.900	4.259	26.882	26.884	31.493	28.509	1467.0	119.108	.65	4.48
375.0	379.3	4.196	33.908	4.169	26.898	26.900	31.512	28.641	1466.6	117.747	.62	6.46
400.0	404.6	4.096	33.937	4.068	26.931	26.934	31.547	28.791	1466.3	114.741	.59	6.74
425.0	429.9	4.046	33.976	4.016	26.967	26.970	31.585	28.943	1466.2	111.490	.56	4.70
450.0	455.2	3.981	33.990	3.950	26.985	26.988	31.604	29.077	1466.0	109.976	.53	5.51
475.0	480.5	3.939	34.015	3.906	27.009	27.012	31.629	29.217	1465.9	107.860	.50	6.00
500.0	505.8	3.879	34.043	3.844	27.037	27.041	31.659	29.362	1465.7	105.299	.48	5.26
525.0	531.2	3.885	34.072	3.848	27.059	27.063	31.681	29.500	1465.8	103.433	.45	5.78
550.0	556.5	3.832	34.098	3.793	27.086	27.090	31.709	29.643	1465.7	101.065	.42	4.42
575.0	581.8	3.808	34.115	3.768	27.102	27.106	31.725	29.774	1465.6	99.774	.40	6.19
600.0	607.2	3.713	34.141	3.671	27.132	27.136	31.758	29.921	1465.3	96.975	.37	4.85
650.0	657.8	3.592	34.173	3.547	27.169	27.174	31.798	30.191	1464.9	93.672	.35	4.77
700.0	708.5	3.517	34.209	3.468	27.206	27.210	31.837	30.459	1464.7	90.525	.30	4.38
750.0	759.2	3.409	34.235	3.358	27.236	27.241	31.870	30.722	1464.4	87.851	.25	5.29
800.0	809.9	3.316	34.279	3.261	27.281	27.286	31.917	30.998	1464.1	83.872	.21	4.30
850.0	860.6	3.195	34.302	3.137	27.310	27.315	31.949	31.260	1463.7	81.264	.16	4.14
900.0	911.3	3.108	34.326	3.047	27.337	27.343	31.978	31.519	1463.5	78.851	.12	3.42
950.0	962.1	3.036	34.341	2.972	27.355	27.361	31.999	31.769	1463.3	77.279	.08	4.11
1000.0	1012.8	2.944	34.364	2.876	27.382	27.388	32.028	32.028	1463.0	74.884	.00	8.12



STATION 155

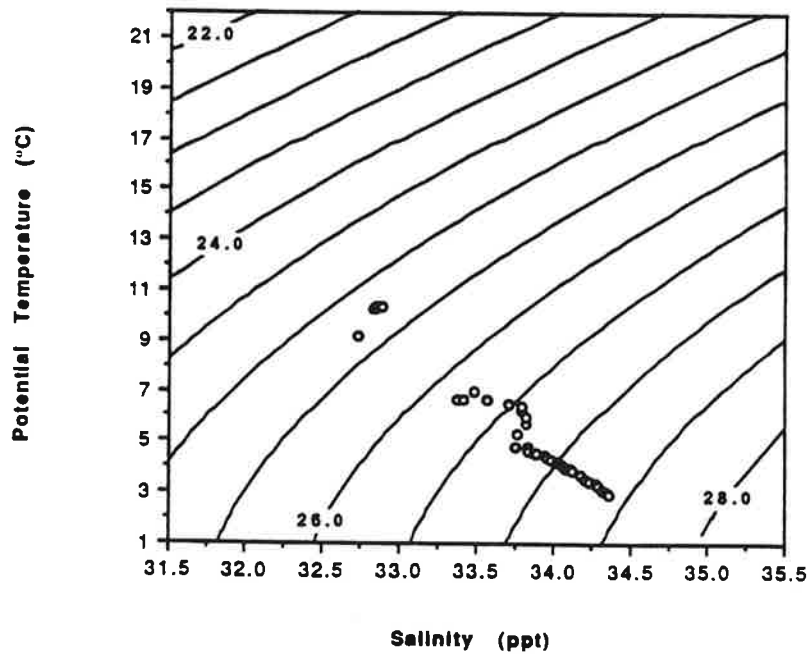
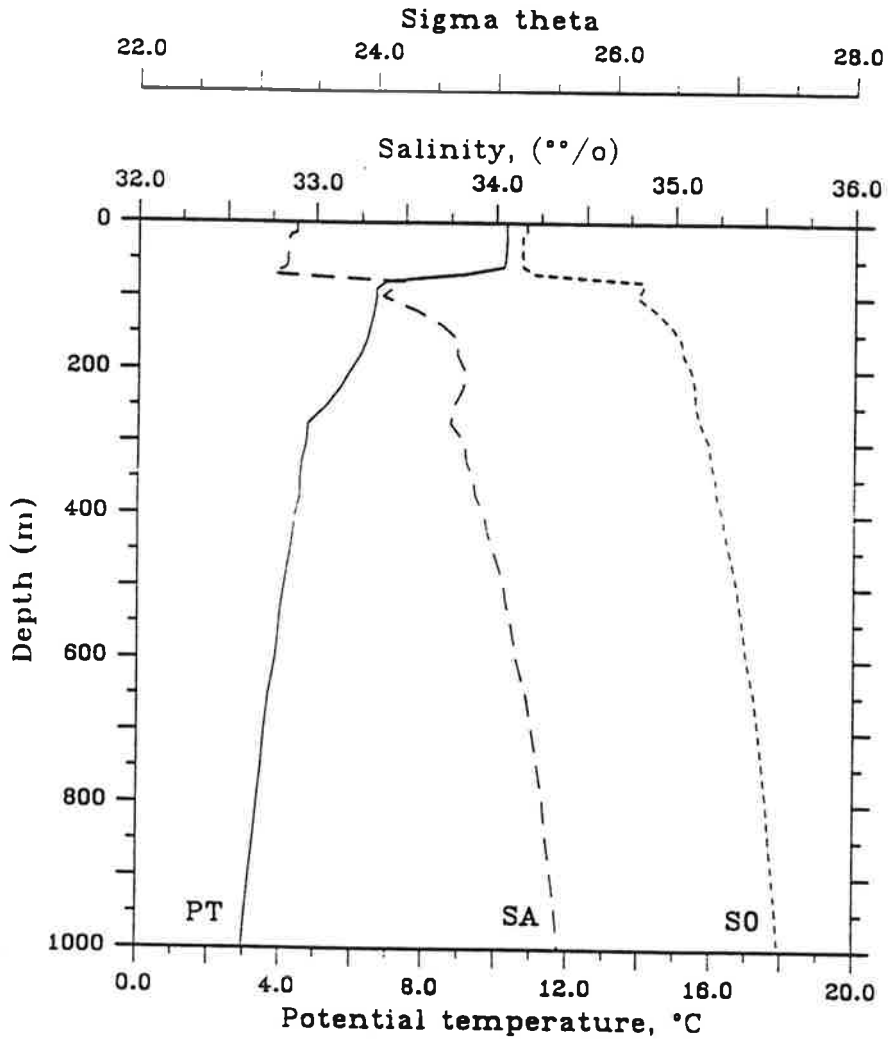


## STATION 156

LATITUDE: 44.6931 N LONGITUDE: 168.0211 W DATE: 3 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	10.288	32.888	10.288	25.255	25.255	29.742	25.255	1488.3	270.503	1.27	.00
2.0	2.0	10.288	32.888	10.288	25.255	25.255	29.742	25.264	1488.3	270.541	1.25	.25
4.0	4.0	10.288	32.888	10.288	25.255	25.255	29.742	25.273	1488.3	270.580	1.25	.25
6.0	6.1	10.288	32.888	10.288	25.255	25.255	29.742	25.282	1488.3	270.619	1.24	.25
8.0	8.1	10.288	32.888	10.287	25.255	25.255	29.742	25.291	1488.3	270.658	1.24	.25
10.0	10.1	10.288	32.888	10.287	25.255	25.255	29.743	25.301	1488.3	270.696	1.23	.25
12.0	12.1	10.288	32.888	10.287	25.255	25.255	29.743	25.310	1488.3	270.735	1.23	.25
14.0	14.2	10.288	32.888	10.287	25.255	25.255	29.743	25.319	1488.3	270.773	1.22	-20.85
16.0	16.2	10.287	32.852	10.285	25.227	25.228	29.715	25.300	1488.3	273.449	1.21	6.96
18.0	18.2	10.290	32.857	10.288	25.230	25.231	29.718	25.312	1488.3	273.194	1.21	-11.94
20.0	20.2	10.290	32.845	10.288	25.221	25.222	29.709	25.312	1488.3	274.097	1.20	-5.64
22.0	22.2	10.289	32.842	10.287	25.219	25.220	29.707	25.319	1488.3	274.329	1.20	7.54
24.0	24.3	10.292	32.847	10.289	25.223	25.223	29.711	25.332	1488.3	274.023	1.19	-7.54
26.0	26.3	10.294	32.843	10.291	25.219	25.220	29.707	25.338	1488.3	274.407	1.19	6.42
28.0	28.3	10.282	32.844	10.279	25.222	25.222	29.710	25.349	1488.3	274.196	1.18	-4.71
30.0	30.3	10.280	32.842	10.276	25.221	25.221	29.709	25.357	1488.3	274.369	1.18	-2.39
35.0	35.4	10.285	32.842	10.281	25.220	25.220	29.708	25.379	1488.3	274.553	1.17	-2.08
40.0	40.5	10.275	32.839	10.270	25.219	25.220	29.707	25.401	1488.2	274.715	1.16	-1.71
45.0	45.5	10.258	32.835	10.253	25.219	25.220	29.708	25.424	1488.2	274.819	1.14	4.12
50.0	50.6	10.259	32.839	10.253	25.221	25.222	29.711	25.449	1488.2	274.659	1.13	2.59
60.0	60.7	10.207	32.830	10.201	25.223	25.225	29.714	25.497	1488.0	274.644	1.11	18.42
70.0	70.8	9.128	32.743	9.120	25.331	25.333	29.843	25.652	1484.0	264.429	1.09	53.29
80.0	80.9	6.941	33.488	6.933	26.236	26.237	30.788	26.605	1476.7	178.368	1.06	-6.47
90.0	91.0	6.655	33.423	6.647	26.223	26.224	30.782	26.638	1475.5	179.724	1.04	-11.76
100.0	101.1	6.666	33.369	6.657	26.179	26.180	30.758	26.640	1475.5	184.042	1.02	15.95
120.0	121.4	6.601	33.564	6.591	26.341	26.342	30.900	26.895	1475.5	168.907	1.00	13.89
140.0	141.6	6.499	33.703	6.487	26.464	26.466	31.025	27.110	1475.3	157.487	.96	11.38
160.0	161.9	6.405	33.792	6.391	26.547	26.549	31.109	27.285	1475.1	149.909	.93	5.41
180.0	182.1	6.232	33.787	6.217	26.565	26.567	31.132	27.396	1474.4	148.346	.90	10.00
200.0	202.3	5.967	33.825	5.950	26.629	26.631	31.201	27.553	1473.4	142.464	.87	6.33
225.0	227.6	5.676	33.820	5.658	26.661	26.663	31.240	27.701	1472.3	139.618	.84	2.45
250.0	253.0	5.306	33.770	5.286	26.665	26.667	31.253	27.823	1470.8	139.267	.80	7.49
275.0	278.3	4.783	33.751	4.763	26.710	26.712	31.310	27.986	1468.7	135.013	.77	9.15
300.0	303.6	4.742	33.830	4.720	26.776	26.779	31.378	28.169	1468.7	128.923	.73	4.91
325.0	328.9	4.619	33.837	4.595	26.795	26.798	31.400	28.305	1468.2	127.265	.70	6.76
350.0	354.2	4.558	33.874	4.532	26.832	26.835	31.438	28.457	1468.1	124.024	.67	4.17
375.0	379.5	4.558	33.891	4.530	26.846	26.849	31.451	28.586	1468.1	122.950	.63	7.95
400.0	404.9	4.430	33.938	4.401	26.896	26.899	31.505	28.753	1467.7	118.326	.60	5.29
425.0	430.2	4.363	33.957	4.332	26.918	26.922	31.529	28.892	1467.5	116.393	.57	6.52
450.0	455.5	4.288	33.989	4.256	26.952	26.956	31.564	29.042	1467.3	113.350	.54	6.78
475.0	480.8	4.200	34.023	4.166	26.989	26.992	31.603	29.195	1467.0	110.035	.51	6.12
500.0	506.2	4.116	34.050	4.080	27.018	27.022	31.635	29.341	1466.7	107.358	.48	5.06
525.0	531.5	4.030	34.064	3.993	27.039	27.043	31.657	29.478	1466.4	105.556	.46	5.55
550.0	556.9	3.979	34.089	3.940	27.063	27.067	31.683	29.618	1466.3	103.394	.43	4.83
575.0	582.2	3.933	34.106	3.892	27.082	27.086	31.703	29.753	1466.1	101.799	.40	4.72
600.0	607.6	3.875	34.121	3.832	27.100	27.104	31.722	29.887	1465.9	100.263	.38	6.34
650.0	658.3	3.676	34.176	3.630	27.163	27.168	31.790	30.184	1465.3	94.367	.35	4.90
700.0	709.0	3.554	34.209	3.506	27.201	27.206	31.832	30.454	1464.9	90.982	.30	4.62
750.0	759.7	3.472	34.241	3.420	27.235	27.240	31.868	30.720	1464.7	88.037	.25	4.68
800.0	810.4	3.355	34.271	3.300	27.270	27.275	31.905	30.987	1464.3	84.926	.21	3.88
850.0	861.2	3.258	34.289	3.200	27.294	27.299	31.932	31.243	1464.0	82.852	.16	4.55
900.0	912.0	3.139	34.317	3.078	27.327	27.332	31.968	31.508	1463.6	79.869	.12	4.18
950.0	962.7	3.050	34.341	2.986	27.354	27.360	31.998	31.768	1463.3	77.416	.08	3.58
1000.0	1013.5	2.960	34.356	2.893	27.375	27.381	32.020	32.020	1463.0	75.633	.00	8.16

STATION 156

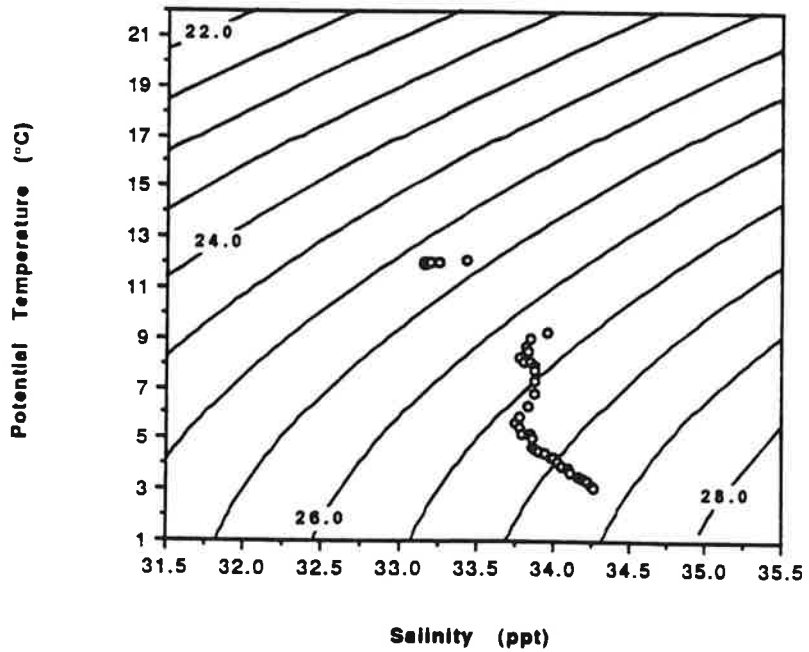
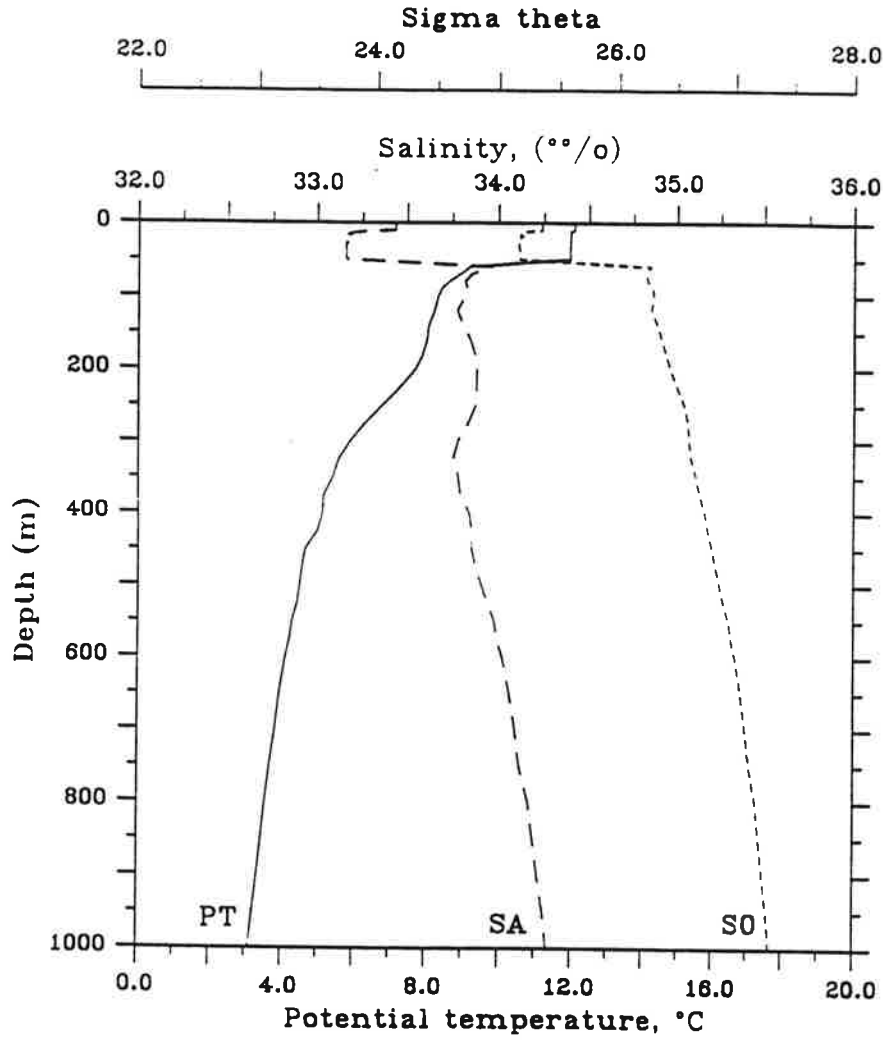


## STATION 163

LATITUDE: 42.8436 N LONGITUDE: 168.0439 W DATE: 3 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	12.084	33.433	12.084	25.357	25.357	29.808	25.357	1495.2	260.813	1.36	.00
2.0	2.0	12.084	33.433	12.084	25.357	25.357	29.808	25.366	1495.2	260.859	1.35	.28
4.0	4.0	12.084	33.433	12.084	25.357	25.357	29.808	25.375	1495.2	260.905	1.34	.28
6.0	6.0	12.084	33.433	12.083	25.357	25.357	29.808	25.384	1495.2	260.951	1.34	.28
8.0	8.0	12.084	33.433	12.083	25.357	25.357	29.808	25.393	1495.2	260.997	1.33	.28
10.0	10.1	12.084	33.433	12.083	25.357	25.357	29.808	25.402	1495.2	261.043	1.33	-43.74
12.0	12.1	11.974	33.249	11.972	25.235	25.235	29.689	25.289	1494.7	272.687	1.32	-27.87
14.0	14.1	11.980	33.187	11.978	25.185	25.186	29.640	25.249	1494.6	277.441	1.32	-14.44
16.0	16.1	11.972	33.168	11.970	25.172	25.173	29.627	25.244	1494.6	278.752	1.31	20.09
18.0	18.1	11.973	33.201	11.971	25.198	25.198	29.653	25.279	1494.6	276.350	1.30	-19.83
20.0	20.1	11.970	33.168	11.968	25.173	25.173	29.628	25.263	1494.6	278.780	1.30	7.54
22.0	22.1	11.969	33.173	11.966	25.176	25.177	29.631	25.276	1494.6	278.480	1.29	-12.66
24.0	24.1	11.966	33.159	11.963	25.166	25.167	29.622	25.275	1494.5	279.498	1.29	3.80
26.0	26.2	11.958	33.158	11.955	25.167	25.168	29.622	25.285	1494.5	279.455	1.28	10.22
28.0	28.2	11.960	33.167	11.957	25.174	25.174	29.629	25.300	1494.5	278.867	1.28	-13.52
30.0	30.2	11.963	33.153	11.960	25.162	25.163	29.617	25.298	1494.5	280.021	1.27	5.13
35.0	35.2	11.959	33.157	11.955	25.166	25.167	29.622	25.325	1494.5	279.735	1.26	3.98
40.0	40.2	11.957	33.160	11.952	25.169	25.170	29.625	25.350	1494.5	279.608	1.25	-4.86
45.0	45.3	11.959	33.156	11.954	25.165	25.166	29.621	25.368	1494.5	280.078	1.24	4.24
50.0	50.3	11.960	33.159	11.953	25.168	25.169	29.624	25.394	1494.6	279.919	1.22	58.79
60.0	60.4	9.232	33.962	9.225	26.269	26.270	30.770	26.543	1485.9	175.274	1.21	-11.41
70.0	70.4	8.957	33.853	8.949	26.227	26.229	30.735	26.547	1484.7	179.365	1.18	7.32
80.0	80.5	8.664	33.817	8.656	26.244	26.246	30.758	26.610	1483.6	177.884	1.17	11.70
90.0	90.6	8.440	33.828	8.431	26.288	26.289	30.807	26.700	1482.8	173.881	1.15	4.05
100.0	100.6	8.357	33.819	8.347	26.293	26.295	30.814	26.751	1482.5	173.543	1.13	-5.42
120.0	120.8	8.249	33.774	8.237	26.274	26.276	30.798	26.824	1482.1	175.639	1.11	8.89
140.0	140.9	8.090	33.808	8.076	26.325	26.327	30.852	26.966	1481.6	171.157	1.08	7.55
160.0	161.0	8.042	33.845	8.026	26.361	26.364	30.889	27.094	1481.5	168.033	1.04	7.55
180.0	181.2	7.926	33.870	7.908	26.397	26.400	30.928	27.222	1481.1	164.881	1.01	7.59
200.0	201.3	7.736	33.881	7.716	26.434	26.437	30.969	27.351	1480.4	161.660	.97	8.65
225.0	226.5	7.310	33.880	7.288	26.493	26.497	31.037	27.527	1478.8	156.231	.94	8.95
250.0	251.7	6.816	33.874	6.793	26.557	26.560	31.111	27.707	1476.9	150.333	.90	6.44
275.0	276.9	6.325	33.834	6.301	26.590	26.593	31.156	27.857	1475.0	147.288	.86	3.38
300.0	302.1	5.913	33.779	5.888	26.599	26.602	31.174	27.984	1473.3	146.503	.82	4.99
325.0	327.2	5.595	33.754	5.569	26.618	26.622	31.201	28.121	1472.1	144.722	.78	7.20
350.0	352.4	5.439	33.783	5.410	26.659	26.663	31.246	28.278	1471.5	140.999	.75	6.99
375.0	377.6	5.187	33.794	5.157	26.698	26.702	31.291	28.434	1470.6	137.405	.71	7.15
400.0	402.8	5.165	33.843	5.134	26.739	26.743	31.332	28.590	1470.6	133.813	.67	5.79
425.0	428.0	5.025	33.856	4.992	26.765	26.769	31.361	28.733	1470.1	131.436	.64	6.88
450.0	453.2	4.684	33.855	4.650	26.803	26.807	31.407	28.889	1468.7	127.819	.61	5.95
475.0	478.4	4.595	33.878	4.559	26.831	26.835	31.437	29.033	1468.4	125.313	.57	6.35
500.0	503.6	4.523	33.909	4.486	26.863	26.867	31.471	29.181	1468.2	122.444	.54	6.57
525.0	528.9	4.452	33.942	4.413	26.897	26.902	31.507	29.332	1468.0	119.355	.51	7.51
550.0	554.1	4.308	33.979	4.268	26.942	26.947	31.555	29.493	1467.5	115.187	.48	4.94
575.0	579.3	4.236	33.994	4.193	26.962	26.966	31.576	29.629	1467.2	113.491	.45	6.67
600.0	604.5	4.120	34.023	4.076	26.997	27.001	31.614	29.781	1466.8	110.232	.42	5.47
650.0	655.0	3.953	34.061	3.906	27.044	27.049	31.666	30.061	1466.3	105.946	.39	4.88
700.0	705.4	3.833	34.094	3.783	27.082	27.087	31.706	30.331	1465.9	102.613	.34	4.61
750.0	755.9	3.678	34.117	3.625	27.116	27.121	31.744	30.598	1465.4	99.578	.28	5.77
800.0	806.4	3.556	34.168	3.500	27.169	27.174	31.800	30.883	1465.0	94.781	.23	4.37
850.0	856.9	3.450	34.193	3.391	27.199	27.205	31.833	31.145	1464.7	92.100	.18	4.46
900.0	907.4	3.338	34.219	3.276	27.231	27.236	31.868	31.409	1464.3	89.266	.13	4.81
950.0	957.9	3.220	34.251	3.155	27.267	27.273	31.907	31.678	1463.9	85.929	.09	4.06
1000.0	1008.4	3.106	34.271	3.038	27.293	27.300	31.936	31.936	1463.5	83.556	.00	8.01

STATION 163

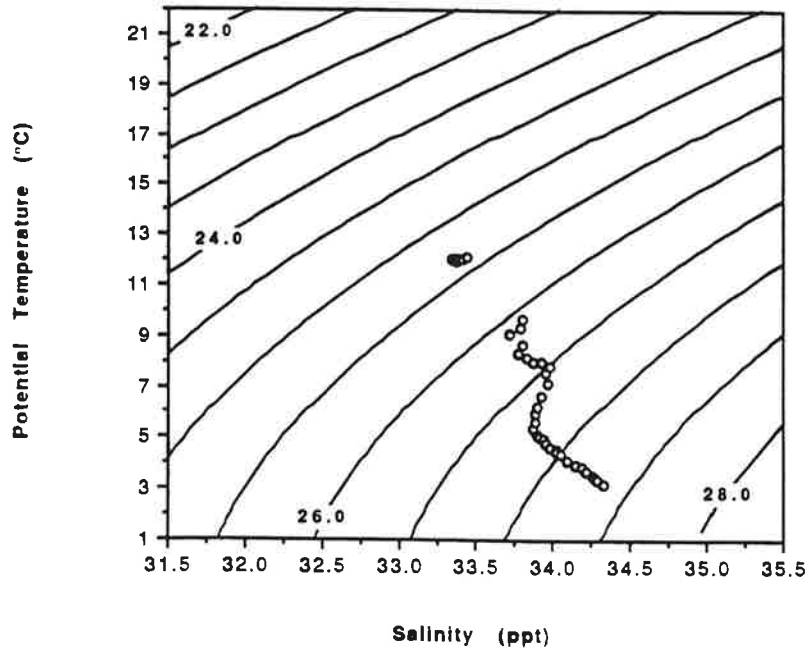
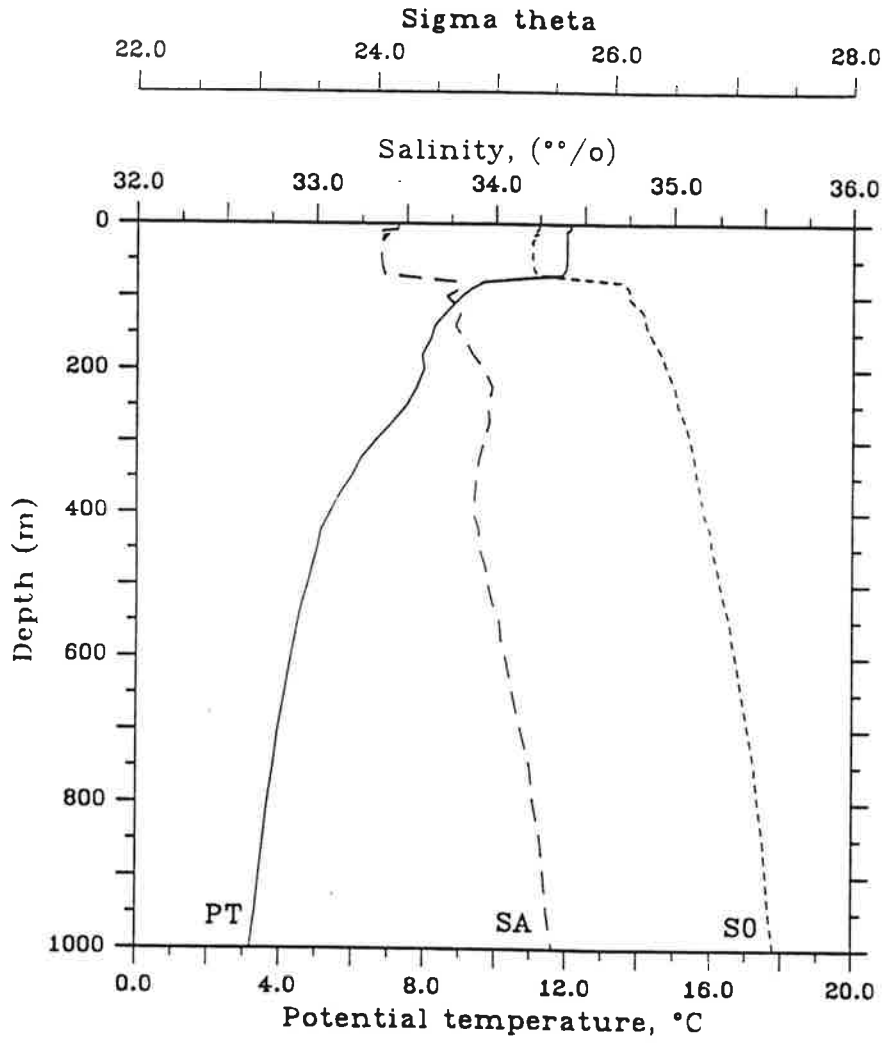


## STATION 164

LATITUDE: 42.5922 N LONGITUDE: 168.0031 W DATE: 3 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIGO	SIG1	SIGZ	SOUND	AVOL	DYNH	BVAI
.0	.0	12.109	33.449	12.109	25.365	25.365	29.815	25.365	1495.3	260.071	1.37	.00
2.0	2.0	12.109	33.449	12.108	25.365	25.365	29.815	25.374	1495.3	260.117	1.35	.28
4.0	4.0	12.109	33.449	12.108	25.365	25.365	29.815	25.383	1495.3	260.163	1.35	.28
6.0	6.1	12.109	33.449	12.108	25.365	25.365	29.815	25.392	1495.3	260.209	1.34	.28
8.0	8.1	12.109	33.449	12.108	25.365	25.365	29.815	25.401	1495.3	260.255	1.34	-27.37
10.0	10.1	12.000	33.361	11.999	25.317	25.317	29.770	25.362	1494.9	264.840	1.33	.28
12.0	12.1	12.000	33.361	11.999	25.317	25.317	29.770	25.371	1494.9	264.885	1.33	26.41
14.0	14.1	12.009	33.421	12.007	25.361	25.362	29.814	25.425	1495.0	260.703	1.32	-25.76
16.0	16.1	12.006	33.366	12.004	25.319	25.319	29.772	25.391	1494.9	264.772	1.32	16.52
18.0	18.1	12.008	33.388	12.005	25.337	25.337	29.789	25.418	1494.9	263.163	1.31	-17.38
20.0	20.2	12.003	33.362	12.001	25.317	25.318	29.770	25.408	1494.9	265.039	1.30	12.26
22.0	22.2	12.008	33.376	12.005	25.327	25.327	29.780	25.426	1494.9	264.174	1.30	-14.68
24.0	24.2	12.010	33.359	12.007	25.313	25.314	29.766	25.421	1494.9	265.527	1.29	-10.30
26.0	26.2	12.011	33.350	12.008	25.306	25.307	29.760	25.424	1494.9	266.216	1.29	11.48
28.0	28.2	12.008	33.360	12.004	25.315	25.315	29.768	25.441	1494.9	265.462	1.28	-8.77
30.0	30.2	12.009	33.354	12.005	25.310	25.310	29.763	25.445	1494.9	265.974	1.28	4.20
35.0	35.3	12.007	33.357	12.003	25.313	25.313	29.766	25.471	1494.9	265.821	1.27	-1.96
40.0	40.3	12.010	33.357	12.005	25.312	25.313	29.765	25.493	1495.0	265.994	1.26	-2.48
45.0	45.4	12.009	33.356	12.003	25.311	25.312	29.765	25.514	1495.0	266.202	1.25	4.12
50.0	50.4	12.006	33.358	12.000	25.314	25.315	29.768	25.540	1495.0	266.059	1.23	4.29
60.0	60.5	11.996	33.363	11.988	25.320	25.321	29.774	25.591	1494.9	265.729	1.22	9.94
70.0	70.6	11.886	33.377	11.877	25.351	25.353	29.807	25.667	1494.6	262.953	1.19	47.56
80.0	80.6	9.668	33.801	9.659	26.072	26.073	30.566	26.436	1487.3	194.422	1.16	13.39
90.0	90.7	9.296	33.797	9.286	26.129	26.131	30.631	26.539	1485.9	189.130	1.14	-7.01
100.0	100.8	9.043	33.725	9.033	26.113	26.115	30.621	26.570	1484.9	190.760	1.12	14.17
120.0	121.0	8.649	33.810	8.637	26.241	26.243	30.756	26.790	1483.6	178.895	1.10	6.51
140.0	141.1	8.292	33.775	8.278	26.268	26.270	30.791	26.909	1482.3	176.590	1.06	9.67
160.0	161.3	8.169	33.827	8.153	26.328	26.330	30.853	27.060	1481.9	171.242	1.03	10.51
180.0	181.5	7.939	33.873	7.921	26.398	26.401	30.928	27.223	1481.1	164.826	.99	7.84
200.0	201.6	8.000	33.935	7.980	26.437	26.440	30.966	27.353	1481.5	161.465	.96	9.19
225.0	226.9	7.791	33.981	7.769	26.505	26.508	31.038	27.535	1480.8	155.416	.92	5.39
250.0	252.1	7.514	33.960	7.490	26.528	26.531	31.067	27.674	1479.7	153.493	.88	8.89
275.0	277.3	7.098	33.965	7.072	26.590	26.594	31.139	27.853	1478.2	147.702	.84	7.01
300.0	302.5	6.638	33.936	6.611	26.629	26.633	31.188	28.010	1476.4	144.097	.81	6.23
325.0	327.7	6.242	33.909	6.214	26.660	26.664	31.228	28.158	1474.9	141.260	.77	5.20
350.0	353.0	5.983	33.895	5.953	26.681	26.685	31.255	28.295	1473.8	139.368	.73	6.45
375.0	378.2	5.662	33.886	5.631	26.714	26.718	31.295	28.446	1472.6	136.299	.70	5.61
400.0	403.4	5.404	33.878	5.372	26.739	26.743	31.326	28.588	1471.6	134.015	.66	8.27
425.0	428.7	5.146	33.909	5.112	26.793	26.797	31.386	28.760	1470.6	128.930	.63	4.20
450.0	453.9	5.047	33.912	5.012	26.807	26.811	31.403	28.889	1470.3	127.782	.59	7.40
475.0	479.2	4.907	33.947	4.870	26.851	26.855	31.449	29.050	1469.8	123.788	.56	5.56
500.0	504.4	4.784	33.960	4.746	26.875	26.880	31.477	29.191	1469.3	121.592	.53	6.78
525.0	529.7	4.628	33.985	4.588	26.912	26.916	31.517	29.344	1468.8	118.214	.50	7.47
550.0	554.9	4.520	34.026	4.479	26.956	26.961	31.564	29.505	1468.4	114.142	.47	4.58
575.0	580.2	4.425	34.034	4.382	26.973	26.978	31.583	29.638	1468.1	112.690	.44	6.31
600.0	605.4	4.323	34.060	4.278	27.005	27.009	31.617	29.786	1467.7	109.802	.41	5.64
650.0	656.0	4.148	34.100	4.100	27.055	27.060	31.672	30.069	1467.1	105.252	.38	6.03
700.0	706.5	3.957	34.148	3.906	27.113	27.118	31.734	30.360	1466.5	99.957	.33	5.84
750.0	757.1	3.833	34.200	3.779	27.167	27.173	31.791	30.646	1466.1	95.073	.27	4.49
800.0	807.6	3.674	34.220	3.617	27.199	27.205	31.827	30.910	1465.6	92.194	.22	5.16
850.0	858.2	3.557	34.259	3.497	27.241	27.247	31.872	31.185	1465.2	88.385	.18	4.17
900.0	908.8	3.439	34.279	3.375	27.269	27.275	31.903	31.444	1464.8	85.933	.13	3.84
950.0	959.4	3.337	34.296	3.271	27.292	27.298	31.929	31.700	1464.5	83.888	.09	4.94
1000.0	1010.0	3.192	34.328	3.123	27.331	27.337	31.971	31.971	1464.0	80.283	.00	7.88

STATION 164



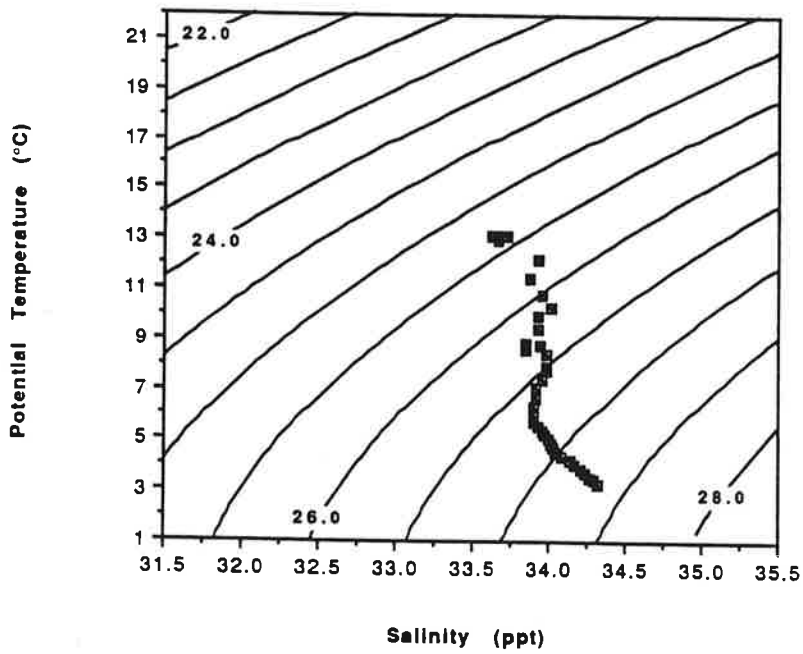
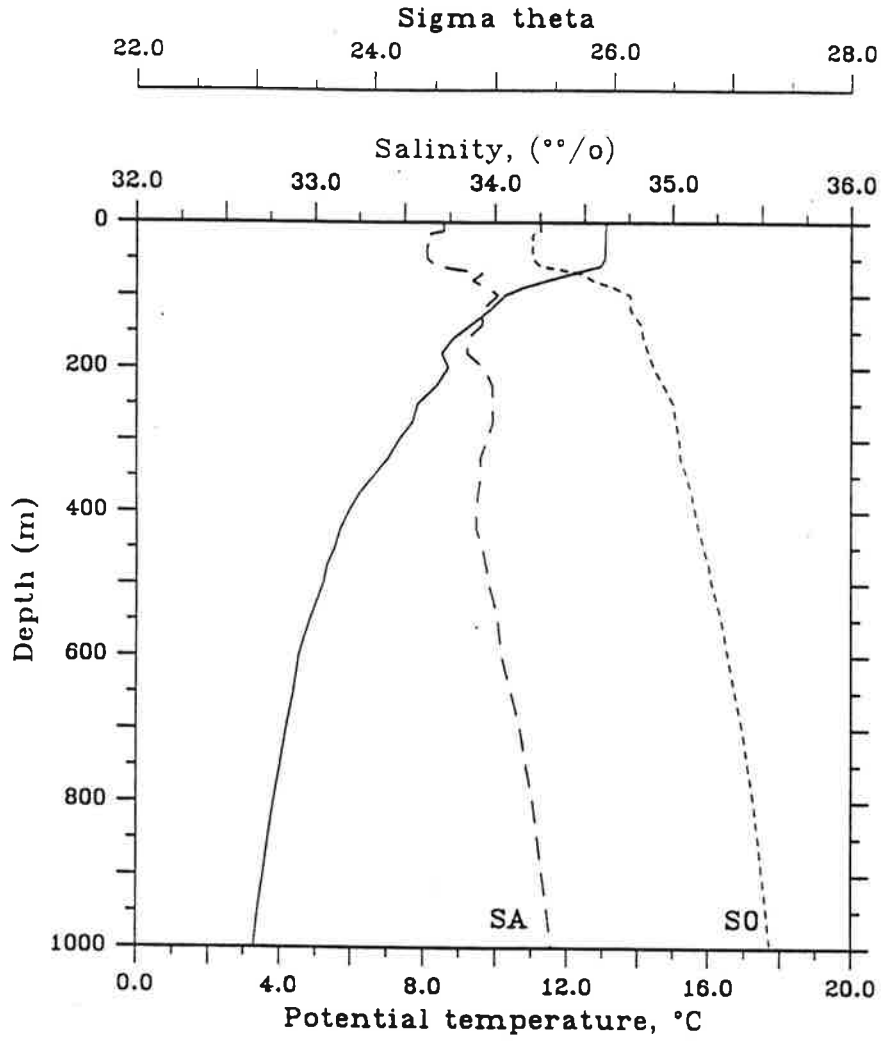
## STATION 165

LATITUDE: 42.2572 N LONGITUDE: 168.0289 W DATE: 4 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIGO	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	13.096	33.717	13.096	25.380	25.380	29.812	25.380	1499.0	258.579	1.41	.00
2.0	2.0	13.096	33.717	13.096	25.380	25.381	29.812	25.389	1499.0	258.629	1.40	.29
4.0	4.0	13.096	33.717	13.096	25.380	25.381	29.812	25.398	1499.0	258.679	1.39	.29
6.0	6.0	13.096	33.717	13.095	25.380	25.381	29.812	25.407	1499.0	258.728	1.39	.29
8.0	8.1	13.096	33.717	13.095	25.380	25.381	29.812	25.416	1499.0	258.778	1.38	.29
10.0	10.1	13.096	33.717	13.095	25.380	25.381	29.812	25.425	1499.0	258.828	1.38	.29
12.0	12.1	13.096	33.717	13.095	25.380	25.381	29.813	25.434	1499.0	258.877	1.37	-23.29
14.0	14.1	13.090	33.671	13.088	25.346	25.346	29.778	25.409	1498.9	262.214	1.36	-18.86
16.0	16.1	13.083	33.639	13.081	25.323	25.324	29.756	25.395	1498.9	264.419	1.36	-14.33
18.0	18.1	13.087	33.624	13.085	25.310	25.310	29.743	25.391	1498.9	265.713	1.35	6.85
20.0	20.1	13.083	33.626	13.080	25.313	25.314	29.746	25.403	1498.9	265.479	1.35	-9.44
22.0	22.1	13.082	33.619	13.079	25.307	25.308	29.740	25.406	1498.9	266.069	1.34	11.84
24.0	24.2	13.083	33.631	13.080	25.316	25.317	29.749	25.424	1498.9	265.268	1.34	-9.77
26.0	26.2	13.083	33.623	13.079	25.310	25.311	29.743	25.427	1498.9	265.897	1.33	-6.39
28.0	28.2	13.083	33.619	13.079	25.308	25.308	29.741	25.434	1498.9	266.195	1.33	10.29
30.0	30.2	13.084	33.628	13.080	25.314	25.315	29.748	25.449	1498.9	265.603	1.32	-4.97
35.0	35.2	13.080	33.622	13.075	25.310	25.311	29.744	25.468	1498.9	266.101	1.32	-2.10
40.0	40.3	13.080	33.621	13.074	25.310	25.311	29.743	25.490	1498.9	266.292	1.30	4.11
45.0	45.3	13.080	33.625	13.074	25.312	25.314	29.746	25.515	1498.9	266.161	1.29	-1.14
50.0	50.3	13.078	33.624	13.071	25.312	25.313	29.746	25.537	1498.9	266.305	1.28	13.85
60.0	60.4	12.953	33.671	12.944	25.373	25.375	29.809	25.643	1498.5	260.731	1.26	33.19
70.0	70.5	12.184	33.931	12.174	25.724	25.726	30.172	26.040	1496.3	227.549	1.23	17.32
80.0	80.5	11.450	33.877	11.440	25.820	25.822	30.281	26.182	1493.7	218.611	1.21	24.46
90.0	90.6	10.756	33.961	10.745	26.010	26.012	30.484	26.419	1491.4	200.625	1.19	19.79
100.0	100.7	10.281	34.015	10.269	26.135	26.137	30.617	26.589	1489.8	188.917	1.17	2.08
120.0	120.8	9.863	33.927	9.849	26.138	26.140	30.628	26.684	1488.2	188.983	1.15	11.66
140.0	140.9	9.360	33.932	9.345	26.224	26.227	30.725	26.862	1486.4	181.040	1.11	5.78
160.0	161.1	8.831	33.851	8.814	26.246	26.248	30.758	26.976	1484.4	179.247	1.07	8.23
180.0	181.2	8.525	33.846	8.507	26.289	26.291	30.807	27.111	1483.3	175.415	1.03	8.32
200.0	201.3	8.706	33.938	8.685	26.333	26.336	30.847	27.246	1484.1	171.656	1.00	10.54
225.0	226.5	8.370	33.985	8.347	26.421	26.425	30.943	27.449	1483.0	163.581	.96	9.85
250.0	251.7	7.855	33.985	7.830	26.498	26.502	31.030	27.643	1481.1	156.460	.92	5.35
275.0	276.9	7.717	33.988	7.690	26.521	26.525	31.056	27.781	1480.6	154.641	.88	6.02
300.0	302.1	7.342	33.957	7.314	26.549	26.553	31.093	27.925	1479.2	152.099	.84	3.66
325.0	327.3	7.059	33.920	7.029	26.560	26.564	31.110	28.052	1478.1	151.291	.80	8.32
350.0	352.5	6.666	33.922	6.634	26.615	26.619	31.174	28.224	1476.6	146.176	.76	7.43
375.0	377.7	6.252	33.909	6.219	26.659	26.663	31.226	28.385	1475.0	142.059	.72	6.10
400.0	402.9	5.963	33.900	5.929	26.688	26.692	31.262	28.532	1473.9	139.352	.69	6.19
425.0	428.1	5.721	33.900	5.686	26.718	26.722	31.298	28.679	1472.9	136.570	.65	7.40
450.0	453.3	5.570	33.932	5.532	26.762	26.766	31.345	28.839	1472.4	132.617	.61	7.40
475.0	478.5	5.344	33.953	5.305	26.805	26.810	31.394	28.999	1471.6	128.574	.58	5.42
500.0	503.7	5.238	33.966	5.198	26.828	26.833	31.420	29.139	1471.2	126.536	.55	7.48
525.0	528.9	5.047	33.994	5.005	26.873	26.878	31.469	29.300	1470.5	122.399	.51	6.89
550.0	554.1	4.861	34.015	4.818	26.910	26.915	31.510	29.455	1469.8	118.884	.48	5.84
575.0	579.4	4.695	34.026	4.650	26.938	26.942	31.541	29.599	1469.2	116.379	.45	5.60
600.0	604.6	4.549	34.037	4.503	26.962	26.967	31.570	29.740	1468.6	114.090	.42	5.95
650.0	655.0	4.395	34.087	4.346	27.019	27.024	31.630	30.029	1468.1	109.045	.39	6.26
700.0	705.5	4.193	34.139	4.141	27.081	27.086	31.697	30.324	1467.5	103.331	.34	5.28
750.0	756.0	4.018	34.171	3.963	27.125	27.131	31.745	30.601	1466.9	99.321	.28	5.62
800.0	806.5	3.835	34.211	3.777	27.175	27.181	31.800	30.884	1466.2	94.718	.23	4.74
850.0	857.0	3.680	34.236	3.619	27.211	27.217	31.839	31.152	1465.7	91.483	.18	4.65
900.0	907.5	3.539	34.262	3.475	27.245	27.251	31.877	31.419	1465.2	88.366	.13	4.77
950.0	958.0	3.401	34.290	3.334	27.281	27.287	31.916	31.687	1464.7	85.063	.09	4.30
1000.0	1008.5	3.286	34.313	3.217	27.310	27.317	31.949	31.949	1464.4	82.420	.00	7.83



STATION 165

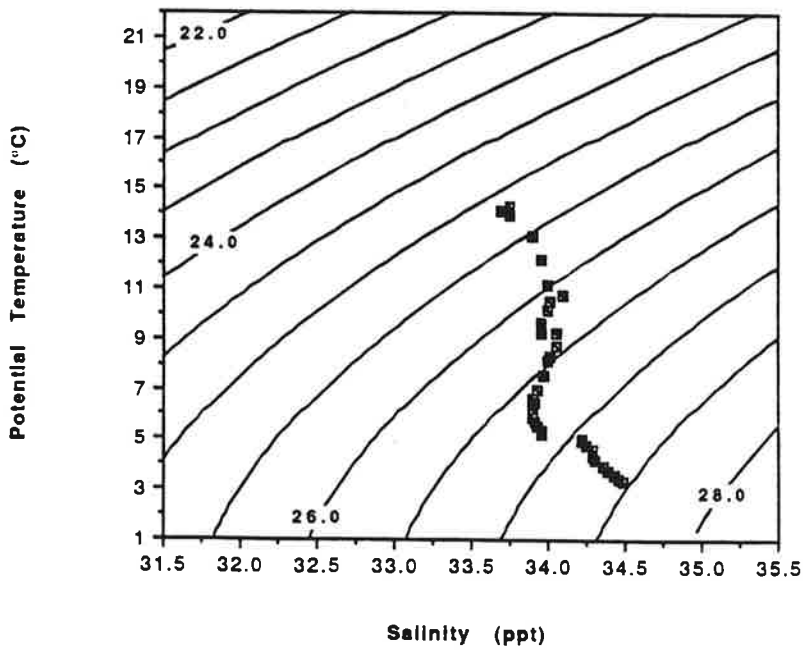
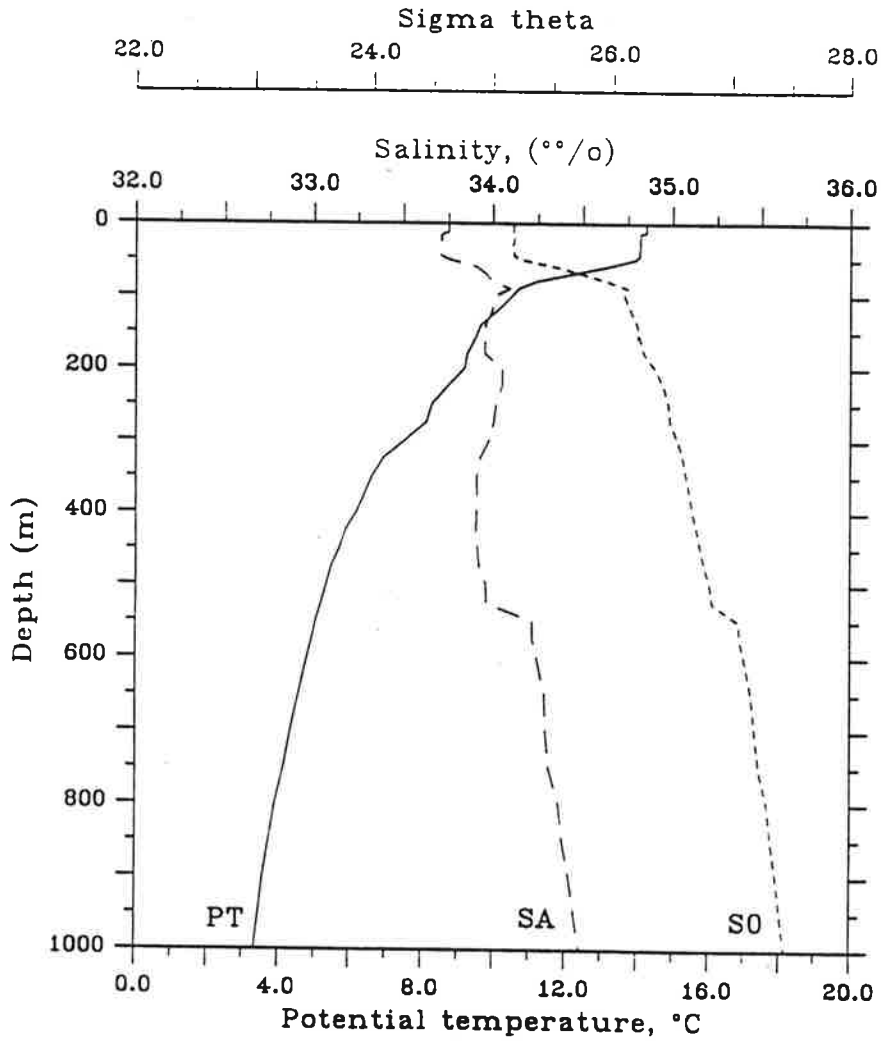


## STATION 172

LATITUDE: 40.4417 N LONGITUDE: 167.9883 W DATE: 4 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIGO	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	14.251	33.751	14.251	25.170	25.170	29.583	25.170	1502.8	278.573	1.38	.00
2.0	2.0	14.251	33.751	14.251	25.170	25.170	29.583	25.179	1502.8	278.626	1.36	.32
4.0	4.0	14.251	33.751	14.250	25.170	25.170	29.583	25.188	1502.8	278.679	1.35	.32
6.0	6.0	14.251	33.751	14.250	25.170	25.170	29.583	25.197	1502.8	278.732	1.35	.32
8.0	8.1	14.251	33.751	14.250	25.170	25.170	29.583	25.206	1502.8	278.785	1.34	.32
10.0	10.1	14.251	33.751	14.250	25.170	25.170	29.583	25.215	1502.8	278.838	1.33	.32
12.0	12.1	14.251	33.751	14.249	25.170	25.170	29.583	25.224	1502.8	278.891	1.33	13.77
14.0	14.1	14.088	33.723	14.086	25.182	25.183	29.598	25.245	1502.3	277.791	1.32	-11.53
16.0	16.1	14.089	33.712	14.086	25.174	25.174	29.590	25.246	1502.3	278.651	1.32	-8.29
18.0	18.1	14.090	33.706	14.087	25.169	25.170	29.586	25.250	1502.3	279.119	1.31	5.30
20.0	20.1	14.089	33.708	14.086	25.171	25.172	29.587	25.261	1502.3	279.002	1.31	7.92
22.0	22.1	14.082	33.712	14.079	25.175	25.176	29.591	25.274	1502.3	278.674	1.30	-6.36
24.0	24.2	14.080	33.708	14.077	25.173	25.173	29.589	25.280	1502.2	278.972	1.29	4.90
26.0	26.2	14.078	33.709	14.074	25.174	25.175	29.590	25.291	1502.2	278.879	1.29	-9.73
28.0	28.2	14.091	33.705	14.087	25.168	25.169	29.584	25.294	1502.3	279.506	1.28	-7.85
30.0	30.2	14.079	33.697	14.075	25.164	25.165	29.581	25.299	1502.2	279.932	1.28	6.04
35.0	35.2	14.073	33.702	14.068	25.170	25.171	29.587	25.327	1502.2	279.511	1.27	4.16
40.0	40.3	14.067	33.704	14.061	25.173	25.174	29.590	25.352	1502.2	279.380	1.26	3.74
45.0	45.3	14.069	33.708	14.062	25.175	25.176	29.592	25.377	1502.2	279.300	1.24	20.47
50.0	50.3	13.928	33.756	13.921	25.242	25.243	29.661	25.466	1501.9	273.072	1.23	29.62
60.0	60.4	13.126	33.906	13.118	25.521	25.523	29.953	25.791	1499.4	266.693	1.21	26.83
70.0	70.5	12.165	33.960	12.156	25.751	25.752	30.199	26.067	1496.3	225.045	1.19	25.42
80.0	80.5	11.202	33.994	11.193	25.956	25.958	30.421	26.319	1493.0	205.609	1.16	22.77
90.0	90.6	10.717	34.095	10.707	26.122	26.124	30.595	26.530	1491.4	190.077	1.14	-9.63
100.0	100.7	10.531	34.015	10.519	26.092	26.094	30.569	26.546	1490.7	193.068	1.12	9.09
120.0	120.8	10.135	33.995	10.121	26.145	26.147	30.630	26.690	1489.3	188.411	1.10	9.09
140.0	140.9	9.648	33.957	9.632	26.197	26.200	30.692	26.834	1487.5	183.711	1.06	6.08
160.0	161.1	9.485	33.953	9.467	26.221	26.223	30.719	26.949	1486.9	181.825	1.03	7.46
180.0	181.2	9.269	33.953	9.249	26.256	26.259	30.759	27.076	1486.2	178.783	.99	11.80
200.0	201.4	9.200	34.053	9.178	26.345	26.348	30.849	27.256	1486.1	170.729	.95	9.62
225.0	226.5	8.730	34.051	8.706	26.418	26.422	30.932	27.445	1484.4	164.032	.92	7.22
250.0	251.7	8.291	34.018	8.265	26.459	26.463	30.983	27.602	1482.8	160.350	.87	4.09
275.0	276.9	8.137	34.005	8.109	26.473	26.477	31.000	27.730	1482.2	159.440	.83	9.10
300.0	302.1	7.538	33.978	7.509	26.538	26.542	31.078	27.913	1479.9	153.273	.79	7.37
325.0	327.3	6.946	33.927	6.916	26.581	26.585	31.134	28.074	1477.6	149.202	.75	5.81
350.0	352.5	6.642	33.909	6.610	26.608	26.612	31.167	28.217	1476.5	146.807	.71	6.10
375.0	377.7	6.427	33.911	6.394	26.638	26.642	31.201	28.363	1475.7	144.193	.68	5.84
400.0	402.9	6.212	33.910	6.177	26.664	26.669	31.233	28.506	1474.9	141.793	.64	6.65
425.0	428.1	5.904	33.905	5.867	26.699	26.704	31.275	28.659	1473.7	138.523	.60	5.99
450.0	453.3	5.736	33.915	5.699	26.728	26.732	31.308	28.803	1473.1	135.976	.57	6.78
475.0	478.5	5.500	33.924	5.461	26.764	26.769	31.350	28.957	1472.2	132.593	.53	7.59
500.0	503.7	5.361	33.961	5.320	26.810	26.815	31.399	29.119	1471.7	128.412	.50	4.93
525.0	529.0	5.210	33.963	5.168	26.829	26.834	31.421	29.255	1471.1	126.705	.46	16.68
550.0	554.2	5.053	34.220	5.009	27.051	27.056	31.645	29.592	1470.8	105.931	.43	4.14
575.0	579.4	4.942	34.221	4.896	27.065	27.070	31.662	29.722	1470.4	104.785	.40	6.55
600.0	604.6	4.807	34.245	4.760	27.099	27.104	31.699	29.873	1470.0	101.670	.37	6.20
650.0	655.1	4.570	34.289	4.520	27.160	27.165	31.765	30.166	1469.1	96.105	.35	4.31
700.0	705.6	4.348	34.295	4.295	27.189	27.195	31.800	30.429	1468.3	93.494	.30	4.62
750.0	756.0	4.157	34.312	4.101	27.223	27.229	31.838	30.695	1467.6	90.461	.25	6.54
800.0	806.5	3.924	34.367	3.865	27.291	27.296	31.912	30.997	1466.8	84.124	.20	4.67
850.0	857.0	3.750	34.388	3.689	27.325	27.331	31.951	31.264	1466.2	80.973	.16	5.34
900.0	907.6	3.587	34.425	3.523	27.370	27.376	32.000	31.542	1465.6	76.805	.12	4.67
950.0	958.1	3.474	34.454	3.406	27.405	27.411	32.037	31.808	1465.3	73.719	.08	4.65
1000.0	1008.6	3.346	34.481	3.275	27.439	27.446	32.075	32.075	1464.8	70.603	.00	8.05

STATION 172

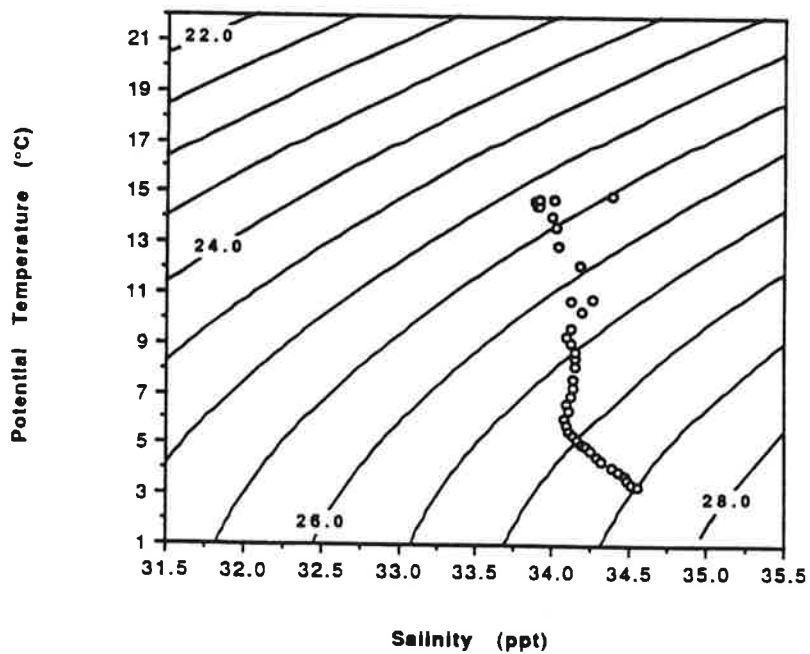
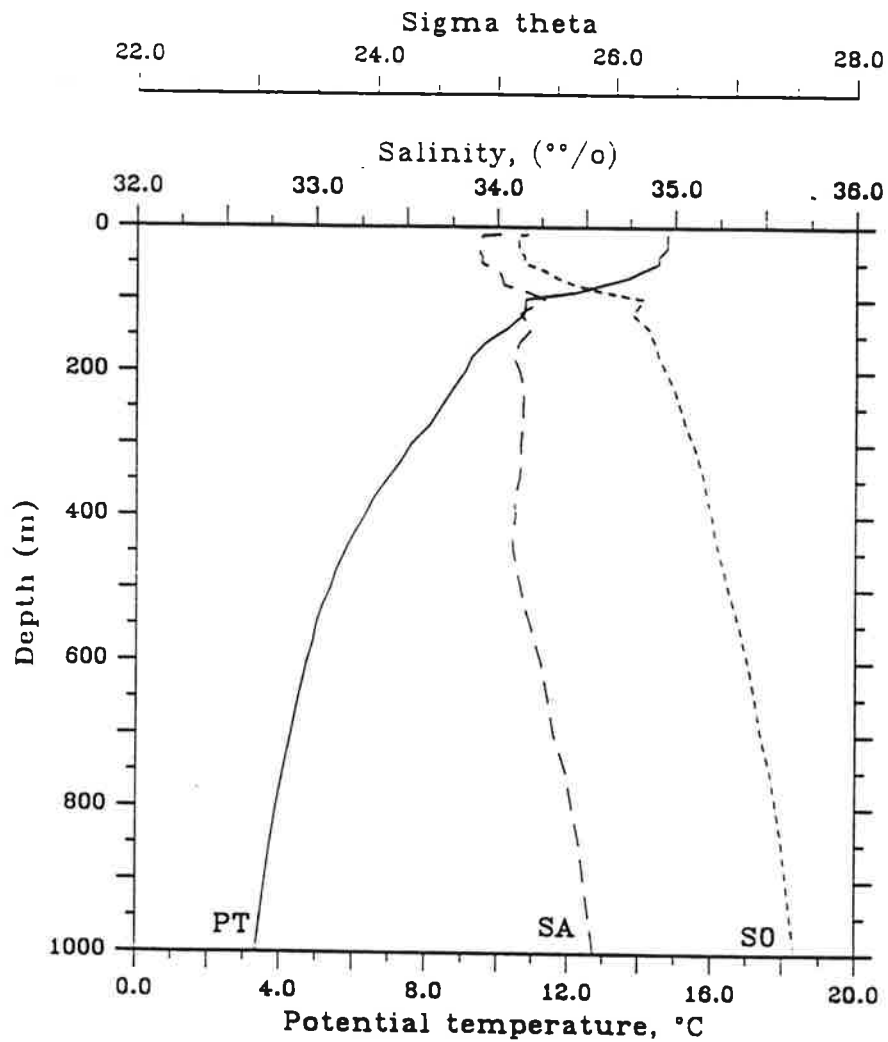


## STATION 173

LATITUDE: 40.2544 N LONGITUDE: 168.0075 W DATE: 4 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIGO	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
8.0	8.1	14.910	34.394	14.909	25.525	25.525	29.923	25.560	1505.7	245.086	1.30	-64.52
10.0	10.1	14.798	34.018	14.796	25.259	25.260	29.662	25.304	1504.9	270.380	1.28	-35.26
12.0	12.1	14.781	33.910	14.779	25.180	25.180	29.583	25.234	1504.7	277.973	1.27	3.48
14.0	14.1	14.782	33.911	14.780	25.181	25.181	29.584	25.243	1504.7	277.955	1.27	5.62
16.0	16.1	14.777	33.913	14.775	25.183	25.183	29.586	25.254	1504.7	277.819	1.26	3.54
18.0	18.1	14.777	33.914	14.774	25.184	25.184	29.587	25.264	1504.7	277.798	1.26	-4.59
20.0	20.1	14.779	33.912	14.776	25.182	25.183	29.586	25.272	1504.7	277.981	1.25	-3.91
22.0	22.2	14.779	33.911	14.775	25.181	25.182	29.585	25.280	1504.7	278.129	1.24	5.43
24.0	24.2	14.774	33.912	14.771	25.183	25.184	29.587	25.291	1504.7	278.005	1.24	4.68
26.0	26.2	14.775	33.914	14.771	25.184	25.185	29.588	25.301	1504.7	277.928	1.23	3.91
28.0	28.2	14.767	33.913	14.763	25.185	25.186	29.590	25.311	1504.7	277.890	1.23	9.00
30.0	30.2	14.753	33.916	14.748	25.191	25.191	29.595	25.325	1504.7	277.454	1.22	5.04
35.0	35.2	14.656	33.894	14.651	25.195	25.196	29.601	25.351	1504.3	277.203	1.22	14.92
40.0	40.3	14.557	33.913	14.551	25.230	25.231	29.638	25.409	1504.1	273.963	1.20	3.09
45.0	45.3	14.551	33.913	14.545	25.232	25.233	29.640	25.433	1504.0	273.955	1.19	-5.13
50.0	50.4	14.551	33.908	14.544	25.227	25.229	29.636	25.451	1504.0	274.489	1.17	23.04
60.0	60.4	14.112	34.006	14.103	25.396	25.398	29.812	25.666	1502.8	258.644	1.16	17.82
70.0	70.5	13.699	34.026	13.689	25.498	25.500	29.920	25.812	1501.5	249.250	1.13	22.29
80.0	80.6	12.953	34.036	12.942	25.656	25.658	30.090	26.016	1499.0	234.382	1.11	28.10
90.0	90.6	12.212	34.174	12.201	25.908	25.910	30.354	26.314	1496.7	210.626	1.08	32.30
100.0	100.7	10.812	34.269	10.800	26.240	26.242	30.711	26.693	1492.0	179.073	1.06	-12.47
120.0	120.9	10.767	34.131	10.752	26.141	26.143	30.614	26.685	1491.7	188.910	1.04	14.52
140.0	141.0	10.301	34.199	10.285	26.275	26.278	30.757	26.911	1490.2	176.483	1.00	8.98
160.0	161.2	9.668	34.127	9.650	26.326	26.330	30.820	27.054	1487.8	171.850	.97	7.66
180.0	181.3	9.280	34.093	9.260	26.364	26.367	30.866	27.184	1486.4	168.574	.93	9.44
200.0	201.5	9.103	34.130	9.081	26.421	26.424	30.926	27.332	1485.8	163.507	.89	9.53
225.0	226.7	8.759	34.153	8.735	26.493	26.497	31.005	27.519	1484.6	156.979	.86	7.64
250.0	251.9	8.440	34.149	8.414	26.539	26.543	31.058	27.681	1483.5	152.889	.82	7.56
275.0	277.0	8.128	34.146	8.100	26.585	26.589	31.111	27.842	1482.3	148.863	.78	9.05
300.0	302.3	7.630	34.136	7.601	26.649	26.654	31.186	28.024	1480.5	142.838	.74	7.59
325.0	327.5	7.331	34.140	7.299	26.695	26.700	31.238	28.185	1479.4	138.708	.70	7.34
350.0	352.7	6.957	34.128	6.925	26.738	26.743	31.289	28.345	1478.0	134.781	.67	5.75
375.0	377.9	6.600	34.100	6.566	26.764	26.769	31.323	28.488	1476.6	132.396	.63	7.09
400.0	403.1	6.344	34.108	6.308	26.804	26.809	31.369	28.644	1475.6	128.757	.60	5.44
425.0	428.3	6.046	34.089	6.009	26.827	26.832	31.399	28.785	1474.5	126.614	.57	6.85
450.0	453.5	5.796	34.097	5.758	26.865	26.869	31.442	28.939	1473.5	123.185	.53	7.53
475.0	478.8	5.554	34.116	5.515	26.909	26.914	31.492	29.101	1472.6	119.002	.50	6.72
500.0	504.0	5.402	34.138	5.361	26.945	26.950	31.532	29.253	1472.1	115.745	.47	7.56
525.0	529.2	5.170	34.161	5.128	26.991	26.996	31.582	29.416	1471.2	111.496	.44	7.36
550.0	554.4	5.012	34.192	4.968	27.034	27.039	31.629	29.575	1470.6	107.530	.41	6.38
575.0	579.7	4.918	34.220	4.873	27.066	27.071	31.663	29.724	1470.3	104.638	.38	7.21
600.0	604.9	4.769	34.250	4.722	27.107	27.112	31.708	29.882	1469.8	100.816	.36	5.99
650.0	655.4	4.531	34.289	4.481	27.164	27.169	31.770	30.171	1469.0	95.637	.33	5.59
700.0	705.9	4.323	34.323	4.270	27.214	27.219	31.825	30.454	1468.2	91.142	.28	6.93
750.0	756.4	4.109	34.390	4.053	27.290	27.296	31.906	30.763	1467.5	84.088	.23	5.57
800.0	806.9	3.905	34.425	3.846	27.339	27.345	31.960	31.045	1466.8	79.556	.19	5.57
850.0	857.4	3.746	34.467	3.685	27.388	27.394	32.013	31.327	1466.3	75.061	.15	4.66
900.0	908.0	3.601	34.492	3.536	27.423	27.429	32.051	31.594	1465.8	71.949	.11	4.68
950.0	958.5	3.474	34.520	3.407	27.457	27.464	32.089	31.861	1465.3	68.821	.07	4.72
1000.0	1009.1	3.348	34.549	3.277	27.493	27.499	32.128	32.128	1464.9	65.612	.00	8.55

STATION 173

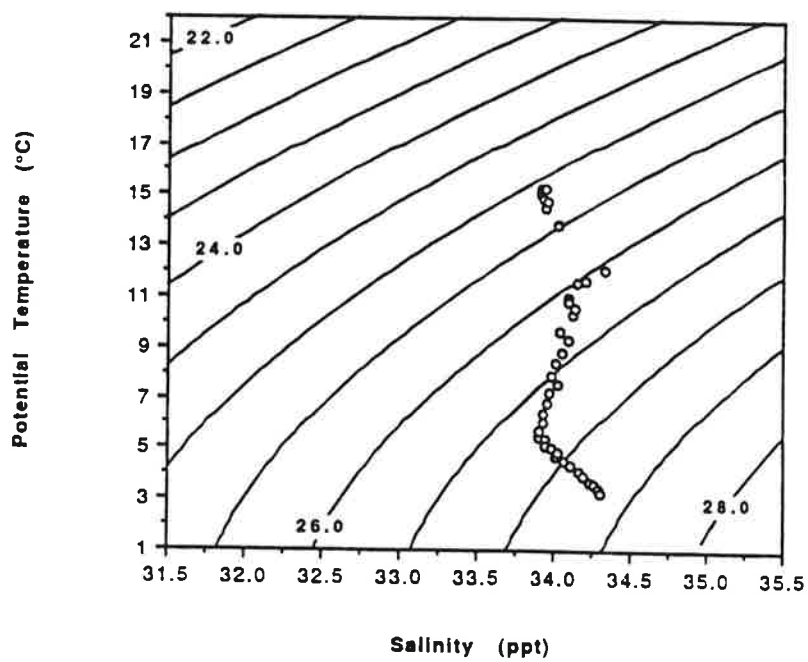
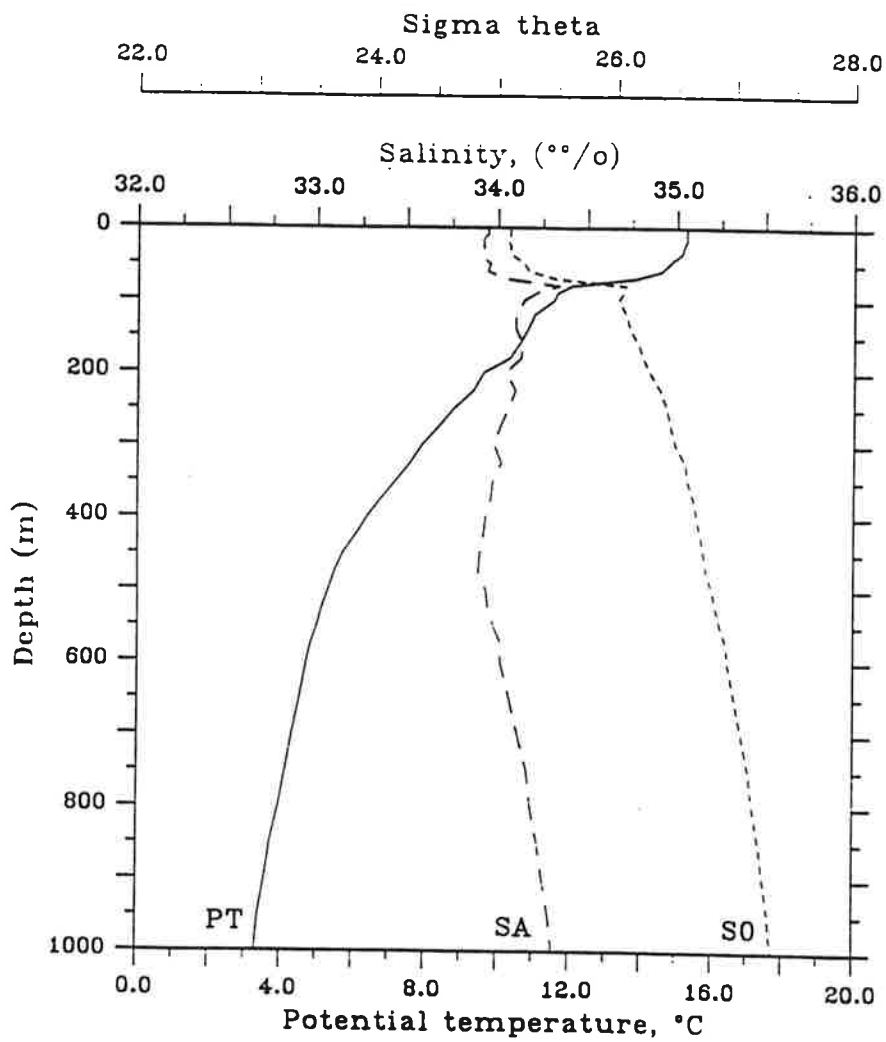


## STATION 174

LATITUDE: 40.0089 N LONGITUDE: 167.9806 W DATE: 5 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	15.252	33.944	15.252	25.104	25.104	29.499	25.104	1506.2	284.925	1.46	.00
2.0	2.0	15.252	33.944	15.252	25.104	25.104	29.499	25.112	1506.2	284.981	1.44	.32
4.0	4.0	15.252	33.944	15.252	25.104	25.104	29.499	25.121	1506.2	285.038	1.44	.32
6.0	6.1	15.252	33.944	15.251	25.104	25.104	29.499	25.130	1506.2	285.094	1.43	.32
8.0	8.1	15.252	33.944	15.251	25.104	25.104	29.500	25.139	1506.2	285.150	1.43	.32
10.0	10.1	15.252	33.944	15.251	25.104	25.104	29.500	25.148	1506.2	285.206	1.42	-13.52
12.0	12.1	15.253	33.929	15.251	25.092	25.092	29.488	25.145	1506.2	286.371	1.41	-8.08
14.0	14.2	15.257	33.925	15.255	25.088	25.088	29.484	25.150	1506.2	286.824	1.41	-7.43
16.0	16.2	15.257	33.920	15.255	25.084	25.085	29.480	25.156	1506.2	287.215	1.40	4.50
18.0	18.2	15.255	33.921	15.252	25.085	25.086	29.482	25.166	1506.2	287.149	1.40	6.47
20.0	20.2	15.235	33.919	15.232	25.088	25.089	29.485	25.178	1506.2	286.951	1.39	10.59
22.0	22.2	15.212	33.922	15.209	25.095	25.096	29.492	25.194	1506.1	286.327	1.38	5.77
24.0	24.3	15.195	33.920	15.191	25.097	25.098	29.495	25.205	1506.1	286.181	1.38	8.61
26.0	26.3	15.174	33.920	15.170	25.102	25.103	29.500	25.218	1506.0	285.787	1.37	8.12
28.0	28.3	15.166	33.923	15.162	25.106	25.107	29.504	25.232	1506.0	285.443	1.37	-11.45
30.0	30.3	15.163	33.911	15.159	25.098	25.099	29.496	25.232	1506.0	286.294	1.36	8.10
35.0	35.4	15.122	33.913	15.117	25.108	25.110	29.507	25.265	1505.8	285.439	1.36	12.39
40.0	40.4	15.013	33.914	15.007	25.133	25.134	29.534	25.312	1505.5	283.246	1.34	17.23
45.0	45.5	14.865	33.934	14.858	25.180	25.181	29.583	25.381	1505.1	278.879	1.33	15.89
50.0	50.5	14.767	33.958	14.759	25.220	25.222	29.625	25.444	1504.8	275.185	1.31	10.38
60.0	60.6	14.549	33.942	14.540	25.254	25.257	29.663	25.523	1504.1	272.178	1.30	26.19
70.0	70.8	13.833	34.030	13.824	25.473	25.475	29.893	25.787	1501.9	251.613	1.27	43.16
80.0	80.9	12.051	34.339	12.041	26.066	26.069	30.514	26.427	1496.3	195.284	1.24	-8.40
90.0	91.0	11.657	34.214	11.645	26.044	26.046	30.500	26.451	1494.8	197.600	1.22	-10.56
100.0	101.1	11.566	34.147	11.554	26.008	26.011	30.466	26.460	1494.5	201.192	1.20	10.06
120.0	121.3	11.015	34.100	11.000	26.073	26.075	30.541	26.616	1492.5	195.419	1.18	6.96
140.0	141.6	10.844	34.101	10.827	26.104	26.107	30.576	26.738	1492.0	192.892	1.14	10.43
160.0	161.8	10.614	34.137	10.595	26.173	26.176	30.649	26.898	1491.2	186.694	1.10	7.96
180.0	182.0	10.350	34.130	10.329	26.213	26.217	30.695	27.030	1490.3	183.210	1.06	9.51
200.0	202.2	9.625	34.047	9.603	26.271	26.274	30.767	27.180	1487.6	177.907	1.02	10.60
225.0	227.5	9.335	34.100	9.310	26.360	26.364	30.862	27.384	1486.7	169.808	.99	8.25
250.0	252.8	8.802	34.060	8.775	26.414	26.418	30.927	27.554	1484.7	164.917	.94	6.01
275.0	278.1	8.382	34.014	8.354	26.442	26.447	30.964	27.699	1483.1	162.434	.90	7.23
300.0	303.4	7.929	33.980	7.899	26.484	26.488	31.015	27.856	1481.4	158.667	.86	10.14
325.0	328.7	7.590	34.022	7.559	26.566	26.570	31.104	28.054	1480.2	151.130	.82	4.99
350.0	354.1	7.194	33.975	7.161	26.585	26.590	31.133	28.191	1478.7	149.378	.78	7.96
375.0	379.4	6.766	33.965	6.732	26.635	26.640	31.192	28.358	1477.1	144.675	.74	5.89
400.0	404.7	6.389	33.936	6.353	26.663	26.667	31.228	28.503	1475.6	142.114	.70	6.30
425.0	430.0	6.072	33.924	6.035	26.694	26.699	31.266	28.652	1474.4	139.194	.66	6.04
450.0	455.3	5.719	33.905	5.681	26.723	26.727	31.303	28.799	1473.0	136.440	.63	5.20
475.0	480.6	5.493	33.898	5.454	26.744	26.749	31.330	28.937	1472.1	134.483	.59	8.10
500.0	506.0	5.329	33.939	5.288	26.796	26.801	31.386	29.105	1471.5	129.675	.56	6.10
525.0	531.3	5.153	33.950	5.111	26.826	26.831	31.419	29.252	1470.9	126.963	.53	6.98
550.0	556.6	5.024	33.980	4.980	26.864	26.869	31.461	29.407	1470.4	123.427	.49	8.16
575.0	582.0	4.846	34.022	4.801	26.917	26.922	31.518	29.577	1469.8	118.482	.46	3.70
600.0	607.3	4.734	34.020	4.688	26.928	26.933	31.531	29.704	1469.4	117.567	.43	6.19
650.0	658.0	4.544	34.070	4.495	26.989	26.994	31.597	29.997	1468.7	112.056	.40	6.18
700.0	708.7	4.332	34.118	4.279	27.050	27.055	31.663	30.291	1468.0	106.501	.34	6.16
750.0	759.4	4.145	34.169	4.089	27.110	27.116	31.727	30.583	1467.4	100.978	.29	4.80
800.0	810.1	3.955	34.190	3.897	27.146	27.152	31.768	30.853	1466.7	97.640	.23	5.89
850.0	860.8	3.721	34.229	3.660	27.201	27.207	31.829	31.142	1465.8	92.453	.18	4.90
900.0	911.6	3.574	34.259	3.510	27.239	27.246	31.870	31.412	1465.3	88.968	.13	5.22
950.0	962.3	3.405	34.292	3.338	27.282	27.289	31.918	31.689	1464.8	84.932	.09	4.00
1000.0	1013.1	3.303	34.312	3.233	27.308	27.315	31.946	31.946	1464.4	82.681	.00	7.53

## STATION 174



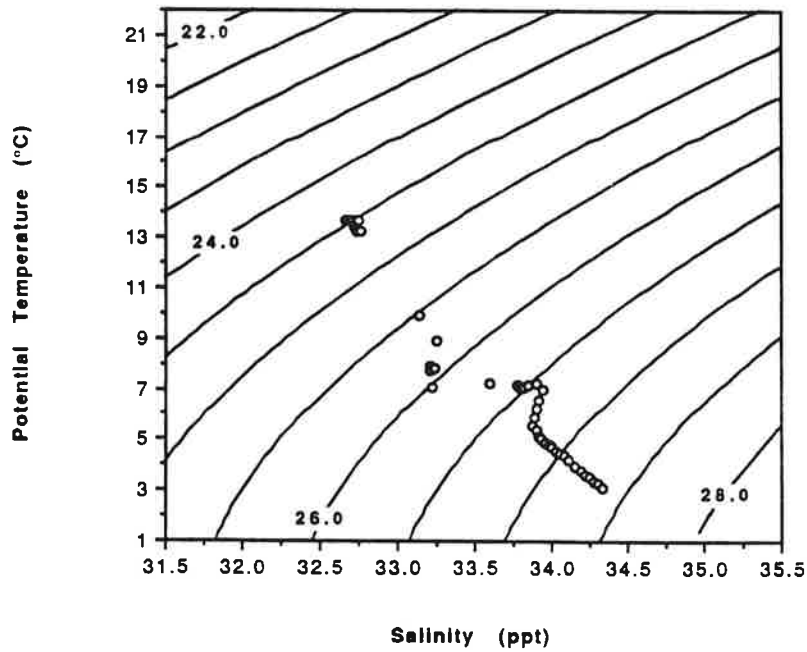
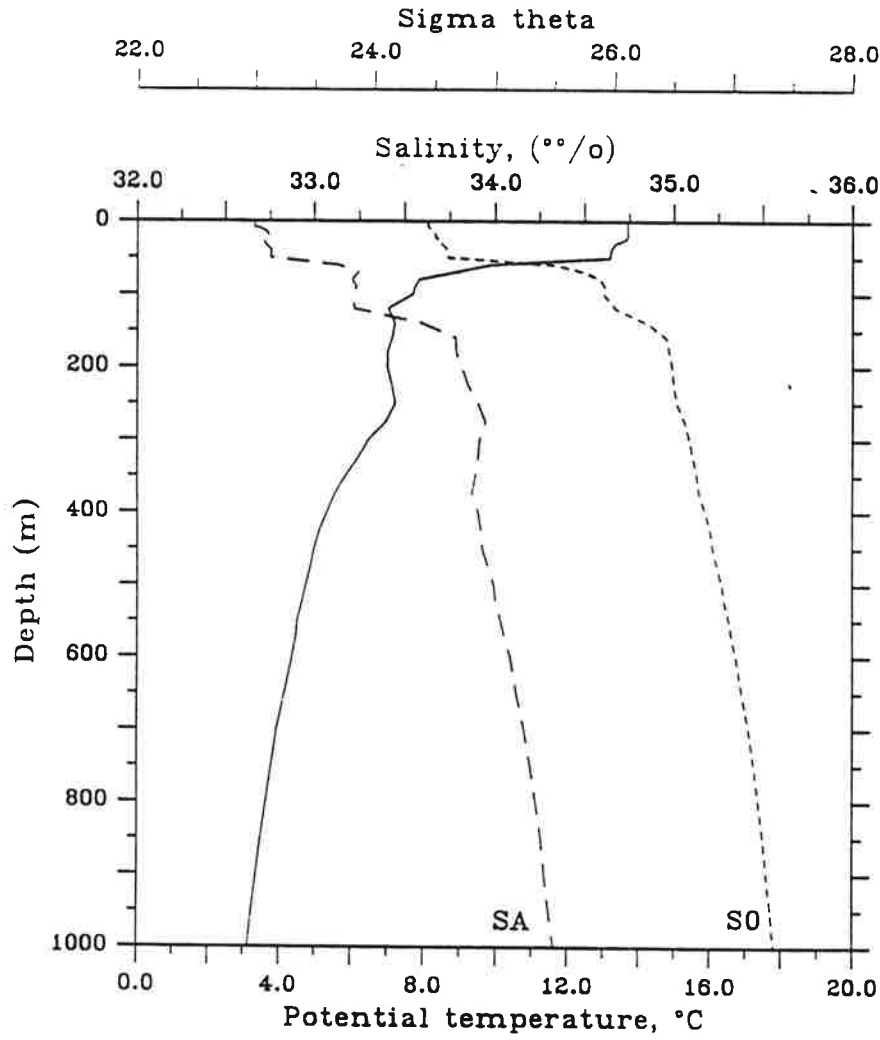
## STATION 177

LATITUDE: 43.7133 N LONGITUDE: 157.8258 W DATE: 7 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	13.699	32.663	13.699	24.444	24.444	28.872	24.444	1499.7	347.724	1.41	.00
2.0	2.0	13.699	32.663	13.698	24.444	24.444	28.872	24.453	1499.7	347.773	1.39	.29
4.0	4.0	13.699	32.663	13.698	24.444	24.444	28.872	24.462	1499.7	347.822	1.38	.29
6.0	6.1	13.699	32.663	13.698	24.444	24.444	28.872	24.471	1499.7	347.870	1.37	.29
8.0	8.1	13.699	32.663	13.698	24.444	24.444	28.872	24.480	1499.7	347.919	1.37	20.12
10.0	10.1	13.698	32.696	13.697	24.470	24.470	28.898	24.515	1499.8	345.512	1.36	13.22
12.0	12.1	13.704	32.712	13.702	24.481	24.481	28.909	24.535	1499.8	344.501	1.35	14.72
14.0	14.2	13.702	32.729	13.700	24.495	24.495	28.923	24.558	1499.8	343.236	1.35	7.41
16.0	16.2	13.704	32.735	13.702	24.498	24.499	28.926	24.570	1499.9	342.952	1.34	4.37
18.0	18.2	13.709	32.737	13.706	24.499	24.500	28.927	24.580	1499.9	342.886	1.33	14.19
20.0	20.2	13.697	32.751	13.694	24.512	24.513	28.941	24.602	1499.9	341.713	1.33	-10.42
22.0	22.2	13.688	32.739	13.684	24.505	24.506	28.934	24.604	1499.8	342.420	1.32	16.10
24.0	24.3	13.667	32.755	13.664	24.522	24.522	28.951	24.630	1499.8	340.896	1.31	8.94
26.0	26.3	13.589	32.742	13.585	24.527	24.528	28.957	24.644	1499.5	340.457	1.30	-6.16
28.0	28.3	13.511	32.718	13.508	24.524	24.525	28.956	24.651	1499.2	340.733	1.30	20.19
30.0	30.3	13.391	32.720	13.387	24.550	24.551	28.984	24.686	1498.8	338.304	1.29	14.05
35.0	35.4	13.297	32.737	13.292	24.582	24.583	29.017	24.740	1498.6	335.428	1.28	12.96
40.0	40.5	13.243	32.757	13.238	24.608	24.610	29.045	24.789	1498.4	333.001	1.27	2.91
45.0	45.5	13.222	32.754	13.216	24.610	24.611	29.047	24.813	1498.3	332.991	1.25	-.81
50.0	50.6	13.223	32.754	13.216	24.610	24.611	29.047	24.835	1498.3	333.121	1.23	53.40
60.0	60.7	9.867	33.134	9.860	25.517	25.519	30.012	25.791	1487.2	246.672	1.22	27.46
70.0	70.8	8.916	33.245	8.908	25.758	25.759	30.270	26.078	1483.8	223.924	1.19	19.80
80.0	80.9	7.910	33.211	7.903	25.882	25.883	30.416	26.250	1480.0	212.086	1.16	10.91
90.0	91.0	7.778	33.235	7.770	25.920	25.922	30.456	26.334	1479.6	208.620	1.14	-5.27
100.0	101.2	7.727	33.215	7.717	25.912	25.913	30.449	26.371	1479.4	209.602	1.12	12.55
120.0	121.4	7.055	33.223	7.044	26.012	26.013	30.564	26.565	1476.8	200.223	1.10	20.62
140.0	141.6	7.233	33.598	7.220	26.283	26.285	30.829	26.927	1478.0	174.861	1.05	15.54
160.0	161.9	7.166	33.782	7.151	26.437	26.439	30.983	27.173	1478.0	160.551	1.02	5.73
180.0	182.1	7.031	33.785	7.015	26.458	26.460	31.007	27.286	1477.5	158.820	.98	6.24
200.0	202.3	7.030	33.817	7.011	26.483	26.485	31.032	27.402	1477.6	156.757	.95	3.60
225.0	227.7	7.147	33.850	7.126	26.493	26.496	31.040	27.527	1478.2	156.197	.92	6.14
250.0	253.0	7.244	33.906	7.221	26.523	26.527	31.068	27.671	1478.6	153.773	.88	9.10
275.0	278.3	6.988	33.944	6.963	26.589	26.593	31.140	27.853	1477.7	147.776	.84	7.12
300.0	303.6	6.504	33.913	6.478	26.629	26.633	31.191	28.010	1475.8	144.036	.80	6.32
325.0	328.9	6.214	33.905	6.186	26.661	26.664	31.229	28.158	1474.7	141.173	.76	6.34
350.0	354.2	5.867	33.890	5.837	26.692	26.696	31.269	28.308	1473.4	138.222	.73	5.12
375.0	379.6	5.575	33.871	5.544	26.713	26.717	31.296	28.445	1472.2	136.325	.69	8.15
400.0	404.9	5.361	33.906	5.328	26.766	26.770	31.354	28.615	1471.5	131.449	.66	6.88
425.0	430.2	5.146	33.921	5.113	26.803	26.807	31.396	28.770	1470.6	127.984	.62	5.29
450.0	455.5	5.003	33.929	4.967	26.826	26.830	31.422	28.908	1470.1	126.011	.59	6.72
475.0	480.9	4.902	33.960	4.865	26.862	26.866	31.460	29.060	1469.8	122.775	.56	7.07
500.0	506.2	4.775	33.992	4.737	26.901	26.906	31.503	29.216	1469.3	119.147	.52	5.23
525.0	531.5	4.657	34.002	4.617	26.923	26.927	31.527	29.354	1468.9	117.211	.49	6.64
550.0	556.9	4.532	34.029	4.491	26.958	26.962	31.565	29.506	1468.5	114.006	.46	5.40
575.0	582.2	4.482	34.052	4.439	26.981	26.986	31.590	29.645	1468.3	111.997	.43	6.66
600.0	607.6	4.385	34.083	4.340	27.016	27.021	31.627	29.797	1468.0	108.788	.41	5.61
650.0	658.3	4.163	34.116	4.116	27.066	27.071	31.682	30.080	1467.2	104.229	.38	6.00
700.0	709.0	3.945	34.160	3.894	27.123	27.128	31.745	30.370	1466.4	98.945	.32	5.26
750.0	759.7	3.786	34.195	3.733	27.167	27.173	31.792	30.647	1465.9	94.973	.27	5.02
800.0	810.5	3.641	34.227	3.585	27.207	27.213	31.836	30.919	1465.4	91.362	.22	4.93
850.0	861.2	3.490	34.257	3.431	27.246	27.251	31.878	31.191	1464.9	87.831	.17	4.24
900.0	912.0	3.364	34.277	3.302	27.274	27.280	31.910	31.452	1464.5	85.268	.13	4.39
950.0	962.8	3.237	34.300	3.171	27.305	27.311	31.944	31.715	1464.1	82.485	.08	4.51
1000.0	1013.6	3.124	34.327	3.055	27.337	27.343	31.979	31.979	1463.7	79.550	.00	8.39



STATION 177

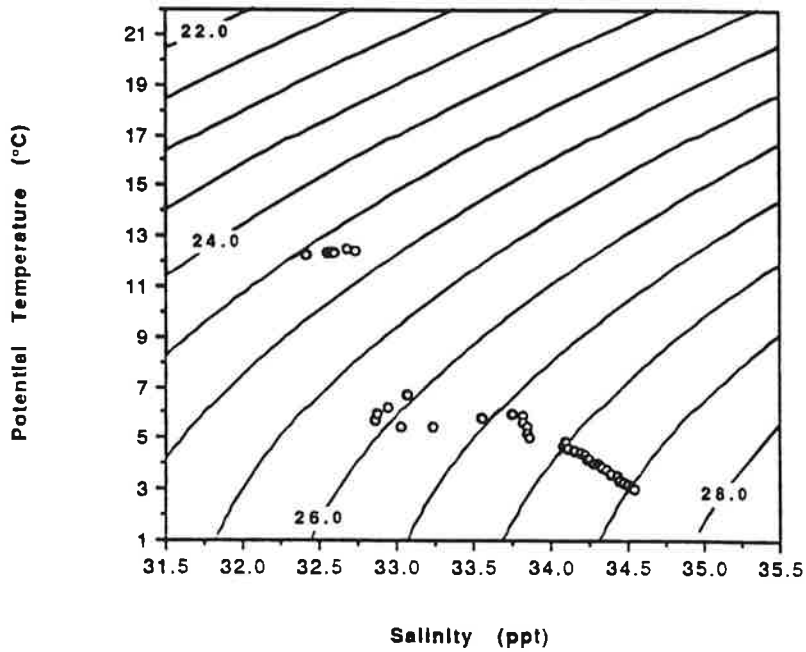
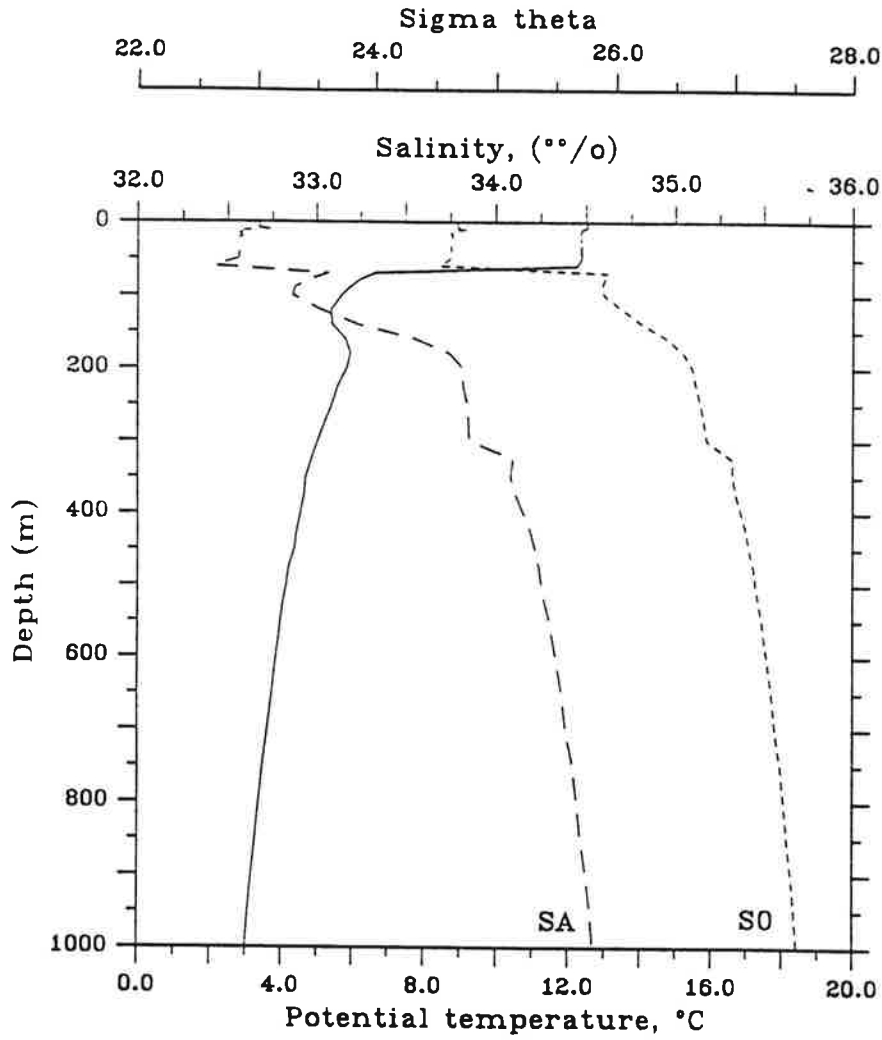


## STATION 183

LATITUDE: 47.2064 N LONGITUDE: 143.6395 W DATE: 9 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	12.533	32.677	12.533	24.685	24.685	29.133	24.685	1495.9	324.766	1.22	.00
2.0	2.0	12.533	32.677	12.533	24.685	24.685	29.133	24.694	1495.9	324.811	1.20	.28
4.0	4.0	12.533	32.677	12.533	24.685	24.685	29.133	24.703	1495.9	324.857	1.20	.28
6.0	6.1	12.533	32.677	12.532	24.685	24.685	29.133	24.712	1495.9	324.902	1.19	.28
8.0	8.1	12.533	32.677	12.532	24.685	24.685	29.133	24.721	1495.9	324.947	1.18	34.62
10.0	10.1	12.391	32.740	12.389	24.761	24.762	29.212	24.807	1495.5	317.721	1.18	-41.40
12.0	12.1	12.371	32.595	12.369	24.652	24.653	29.104	24.706	1495.2	328.165	1.17	-11.39
14.0	14.1	12.371	32.584	12.369	24.644	24.644	29.096	24.707	1495.2	328.998	1.17	-15.40
16.0	16.1	12.371	32.564	12.369	24.629	24.629	29.080	24.701	1495.2	330.482	1.16	13.35
18.0	18.2	12.370	32.579	12.367	24.640	24.640	29.092	24.721	1495.2	329.445	1.15	9.88
20.0	20.2	12.368	32.586	12.365	24.646	24.647	29.098	24.737	1495.2	328.898	1.15	-16.42
22.0	22.2	12.369	32.564	12.366	24.629	24.630	29.081	24.729	1495.2	330.579	1.14	3.53
24.0	24.2	12.367	32.565	12.364	24.630	24.631	29.082	24.738	1495.2	330.549	1.13	7.74
26.0	26.2	12.366	32.569	12.362	24.634	24.634	29.086	24.751	1495.2	330.230	1.12	-8.56
28.0	28.3	12.365	32.563	12.362	24.629	24.630	29.081	24.756	1495.2	330.720	1.12	7.38
30.0	30.3	12.365	32.568	12.361	24.632	24.633	29.085	24.768	1495.2	330.434	1.11	-5.68
35.0	35.3	12.377	32.564	12.372	24.627	24.628	29.080	24.785	1495.3	331.036	1.10	4.64
40.0	40.4	12.373	32.568	12.368	24.631	24.632	29.083	24.812	1495.3	330.822	1.09	-5.59
45.0	45.4	12.378	32.562	12.372	24.626	24.627	29.078	24.829	1495.3	331.408	1.07	2.30
50.0	50.5	12.378	32.563	12.372	24.627	24.628	29.079	24.853	1495.3	331.440	1.05	-16.59
60.0	60.5	12.264	32.423	12.257	24.539	24.540	28.994	24.810	1494.7	339.992	1.04	66.33
70.0	70.6	6.688	33.069	6.682	25.940	25.940	30.500	26.263	1475.1	206.344	1.00	-11.25
80.0	80.7	6.214	32.940	6.207	25.899	25.900	30.471	26.269	1473.1	210.227	.98	-7.36
90.0	90.8	5.935	32.875	5.928	25.882	25.882	30.460	26.298	1471.9	211.930	.95	7.71
100.0	100.9	5.720	32.866	5.713	25.900	25.902	30.484	26.364	1471.1	210.198	.93	15.94
120.0	121.1	5.413	33.025	5.404	26.063	26.063	30.652	26.619	1470.1	194.971	.91	15.94
140.0	141.3	5.441	33.234	5.430	26.225	26.226	30.813	26.874	1470.5	179.821	.87	18.02
160.0	161.5	5.820	33.553	5.807	26.432	26.434	31.009	27.172	1472.5	160.554	.83	14.43
180.0	181.7	5.962	33.744	5.947	26.565	26.567	31.138	27.397	1473.3	148.265	.80	10.62
200.0	201.9	5.861	33.819	5.844	26.637	26.639	31.212	27.561	1473.0	141.658	.77	6.49
225.0	227.2	5.598	33.821	5.580	26.670	26.673	31.251	27.711	1472.0	138.666	.74	6.92
250.0	252.4	5.435	33.844	5.415	26.708	26.711	31.293	27.865	1471.4	135.265	.70	6.08
275.0	277.7	5.227	33.850	5.206	26.738	26.740	31.328	28.011	1470.6	132.642	.66	5.77
300.0	302.9	5.031	33.855	5.008	26.764	26.767	31.359	28.155	1469.9	130.281	.63	16.25
325.0	328.2	4.860	34.096	4.835	26.975	26.978	31.572	28.481	1469.5	110.555	.60	3.12
350.0	353.5	4.696	34.083	4.670	26.982	26.985	31.583	28.606	1468.9	109.960	.57	5.91
375.0	378.7	4.651	34.112	4.623	27.010	27.013	31.612	28.749	1468.8	107.546	.54	7.42
400.0	404.0	4.558	34.154	4.528	27.054	27.057	31.658	28.910	1468.5	103.578	.51	7.37
425.0	429.3	4.450	34.194	4.419	27.097	27.101	31.704	29.069	1468.1	99.646	.48	5.82
450.0	454.5	4.389	34.219	4.356	27.124	27.128	31.732	29.212	1468.0	97.281	.46	6.73
475.0	479.8	4.220	34.242	4.185	27.160	27.164	31.772	29.365	1467.3	93.949	.43	4.73
500.0	505.1	4.152	34.255	4.116	27.178	27.182	31.792	29.499	1467.1	92.421	.41	5.63
525.0	530.4	4.057	34.275	4.019	27.203	27.207	31.819	29.641	1466.8	90.157	.38	5.79
550.0	555.7	3.988	34.299	3.949	27.230	27.234	31.848	29.784	1466.6	87.781	.36	4.85
575.0	581.0	3.931	34.315	3.890	27.249	27.253	31.868	29.919	1466.4	86.166	.34	5.19
600.0	606.3	3.856	34.333	3.814	27.270	27.274	31.891	30.056	1466.1	84.285	.32	4.97
650.0	656.9	3.742	34.367	3.696	27.309	27.314	31.933	30.328	1465.8	80.826	.29	4.31
700.0	707.5	3.617	34.389	3.568	27.338	27.343	31.966	30.590	1465.4	78.268	.25	5.33
750.0	758.1	3.484	34.429	3.432	27.384	27.389	32.014	30.867	1464.9	74.202	.21	4.20
800.0	808.7	3.375	34.451	3.319	27.412	27.417	32.045	31.127	1464.6	71.751	.17	4.07
850.0	859.4	3.277	34.472	3.218	27.438	27.444	32.074	31.386	1464.3	69.466	.14	4.56
900.0	910.0	3.167	34.500	3.105	27.471	27.477	32.110	31.651	1463.9	66.503	.10	4.17
950.0	960.7	3.075	34.524	3.010	27.498	27.504	32.140	31.910	1463.7	64.071	.07	3.44
1000.0	1011.4	2.996	34.539	2.928	27.517	27.523	32.161	32.161	1463.4	62.472	.00	9.83

STATION 183









**APPENDIX B**

**XCTD CASTS: Tabulated data, profiles, and T-S diagrams.**

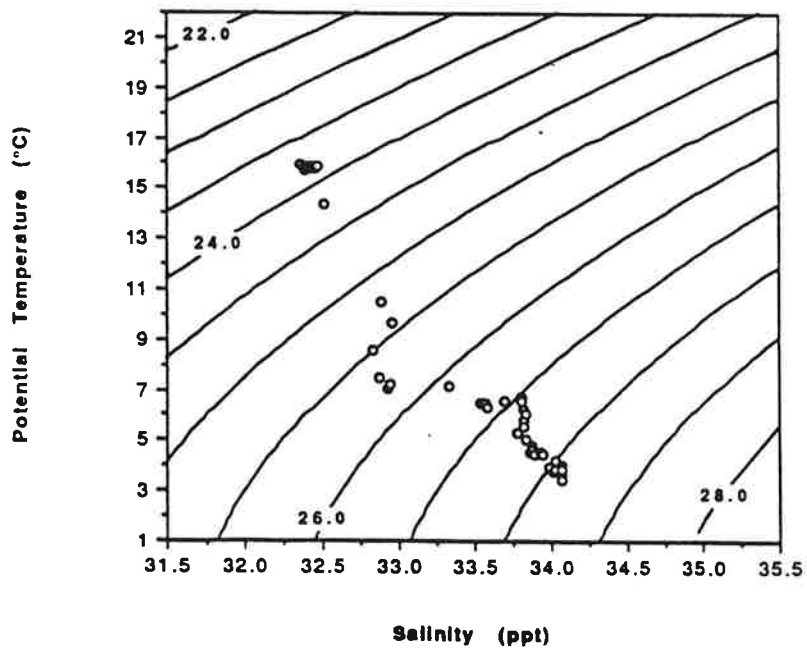
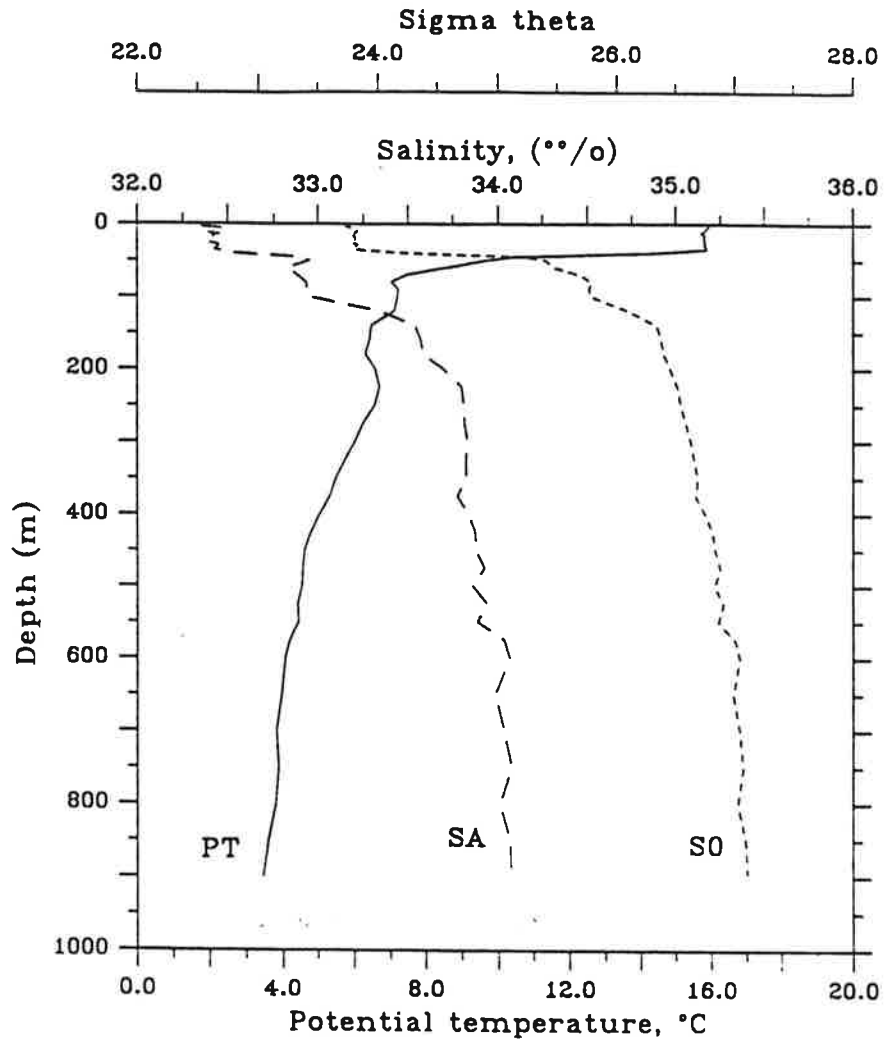
## STATION 8

LATITUDE: 45.2500 N LONGITUDE: 154.9958 W DATE: 5 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIGO	SIG1	SIGZ	SOUND	AVOL	DYNH	BVA1
.0	.0	15.938	32.360	15.938	23.733	23.733	28.128	23.733	1506.5	415.527	1.39	.00
2.0	2.0	15.938	32.360	15.937	23.733	23.733	28.128	23.742	1506.5	415.581	1.37	.33
4.0	4.0	15.938	32.360	15.937	23.733	23.733	28.128	23.751	1506.5	415.635	1.36	38.29
6.0	6.1	15.883	32.466	15.882	23.826	23.826	28.222	23.853	1506.5	406.789	1.35	1.13
8.0	8.1	15.849	32.456	15.848	23.826	23.826	28.222	23.862	1506.4	406.835	1.34	10.88
10.0	10.1	15.827	32.459	15.825	23.834	23.834	28.230	23.878	1506.3	406.171	1.33	-20.66
12.0	12.1	15.724	32.394	15.722	23.807	23.807	28.205	23.860	1505.9	408.816	1.32	23.20
14.0	14.2	15.777	32.454	15.775	23.841	23.841	28.238	23.904	1506.2	405.603	1.32	-26.76
16.0	16.2	15.841	32.413	15.839	23.795	23.796	28.192	23.867	1506.3	410.007	1.31	13.59
18.0	18.2	15.799	32.417	15.796	23.807	23.808	28.205	23.888	1506.2	408.939	1.30	13.41
20.0	20.2	15.810	32.435	15.807	23.818	23.819	28.216	23.908	1506.3	407.902	1.29	-10.99
22.0	22.2	15.794	32.420	15.791	23.811	23.812	28.209	23.909	1506.2	408.688	1.28	-23.54
24.0	24.3	15.838	32.387	15.834	23.775	23.776	28.173	23.883	1506.3	412.108	1.27	13.48
26.0	26.3	15.847	32.405	15.844	23.787	23.788	28.184	23.903	1506.4	411.060	1.27	26.48
28.0	28.3	15.801	32.449	15.797	23.832	23.833	28.229	23.957	1506.3	406.858	1.26	-10.80
30.0	30.3	15.842	32.451	15.837	23.824	23.825	28.221	23.958	1506.4	407.622	1.25	-13.14
35.0	35.4	15.880	32.427	15.875	23.797	23.798	28.193	23.953	1506.5	410.380	1.24	50.19
40.0	40.5	14.347	32.517	14.341	24.197	24.199	28.617	24.377	1501.7	372.227	1.22	80.06
45.0	45.5	10.484	32.883	10.479	25.218	25.218	29.702	25.422	1489.1	274.958	1.20	34.63
50.0	50.6	9.683	32.956	9.677	25.409	25.409	29.908	25.637	1486.3	256.818	1.18	14.99
60.0	60.7	8.591	32.827	8.585	25.480	25.481	30.002	25.755	1482.1	250.078	1.17	25.45
70.0	70.8	7.470	32.882	7.464	25.686	25.687	30.231	26.008	1477.9	230.487	1.14	17.77
80.0	80.9	7.035	32.934	7.028	25.787	25.788	30.341	26.156	1476.3	221.002	1.12	-8.29
90.0	91.0	7.223	32.938	7.215	25.765	25.766	30.315	26.180	1477.1	223.252	1.10	5.41
100.0	101.1	7.206	32.947	7.197	25.774	25.775	30.325	26.235	1477.0	222.500	1.07	22.33
120.0	121.4	7.114	33.335	7.103	26.092	26.094	30.642	26.645	1477.2	192.609	1.05	19.63
140.0	141.6	6.477	33.539	6.465	26.338	26.340	30.900	26.984	1475.0	169.435	1.01	7.31
160.0	161.9	6.424	33.574	6.410	26.372	26.374	30.935	27.110	1474.9	166.456	.97	6.36
180.0	182.1	6.311	33.588	6.296	26.398	26.399	30.964	27.228	1474.5	164.234	.94	9.11
200.0	202.3	6.578	33.699	6.561	26.451	26.453	31.011	27.372	1475.7	159.593	.90	8.95
225.0	227.7	6.701	33.801	6.681	26.515	26.517	31.072	27.551	1476.4	153.938	.87	5.68
250.0	253.0	6.568	33.811	6.545	26.540	26.543	31.100	27.691	1475.9	151.789	.83	7.55
275.0	278.3	6.244	33.815	6.221	26.585	26.588	31.153	27.853	1474.7	147.653	.79	7.13
300.0	303.6	6.026	33.831	6.000	26.626	26.629	31.198	28.010	1473.9	144.011	.75	5.96
325.0	328.9	5.748	33.823	5.721	26.654	26.657	31.233	28.155	1472.8	141.467	.72	6.28
350.0	354.2	5.500	33.825	5.471	26.685	26.689	31.270	28.303	1471.8	138.618	.68	-4.61
375.0	379.6	5.320	33.776	5.290	26.668	26.672	31.257	28.403	1471.1	140.357	.64	10.08
400.0	404.9	5.048	33.838	5.016	26.749	26.752	31.344	28.601	1470.1	132.766	.61	8.46
425.0	430.2	4.799	33.875	4.767	26.806	26.809	31.407	28.775	1469.2	127.424	.57	5.43
450.0	455.5	4.618	33.879	4.584	26.829	26.833	31.434	28.916	1468.5	125.285	.54	7.25
475.0	480.9	4.568	33.925	4.532	26.871	26.875	31.477	29.073	1468.4	121.523	.51	-7.69
500.0	506.2	4.543	33.862	4.505	26.824	26.828	31.431	29.142	1468.2	126.172	.48	9.68
525.0	531.6	4.414	33.938	4.375	26.898	26.902	31.508	29.333	1467.8	119.238	.45	-7.44
550.0	556.9	4.441	33.886	4.400	26.854	26.858	31.465	29.404	1467.9	123.641	.41	13.41
575.0	582.3	4.195	34.034	4.153	26.997	27.002	31.612	29.665	1467.1	110.095	.38	6.84
600.0	607.6	4.063	34.063	4.020	27.034	27.039	31.653	29.819	1466.7	106.638	.35	-5.80
650.0	658.3	3.963	33.982	3.916	26.980	26.985	31.602	29.997	1466.2	111.951	.33	5.87
700.0	709.0	3.815	34.032	3.765	27.035	27.040	31.660	30.285	1465.7	106.980	.27	4.18
750.0	759.8	3.874	34.075	3.820	27.063	27.069	31.687	30.542	1466.1	104.860	.21	-5.31
800.0	810.5	3.791	34.007	3.733	27.018	27.024	31.645	30.728	1465.8	109.324	.16	6.45
850.0	861.3	3.590	34.066	3.530	27.084	27.090	31.716	31.028	1465.1	103.131	.11	3.33
900.0	912.0	3.451	34.071	3.388	27.101	27.107	31.737	31.278	1464.6	101.569	.00	30.79



## STATION 8

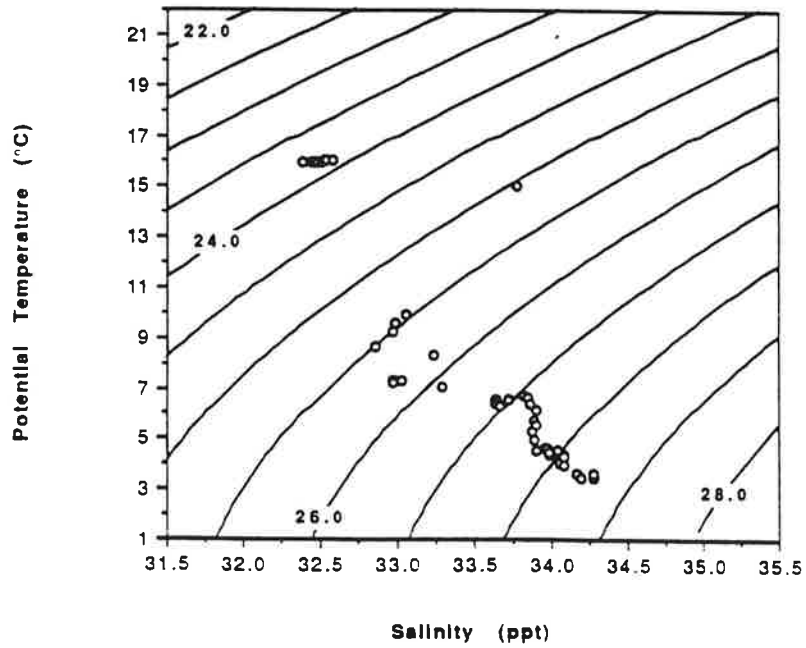
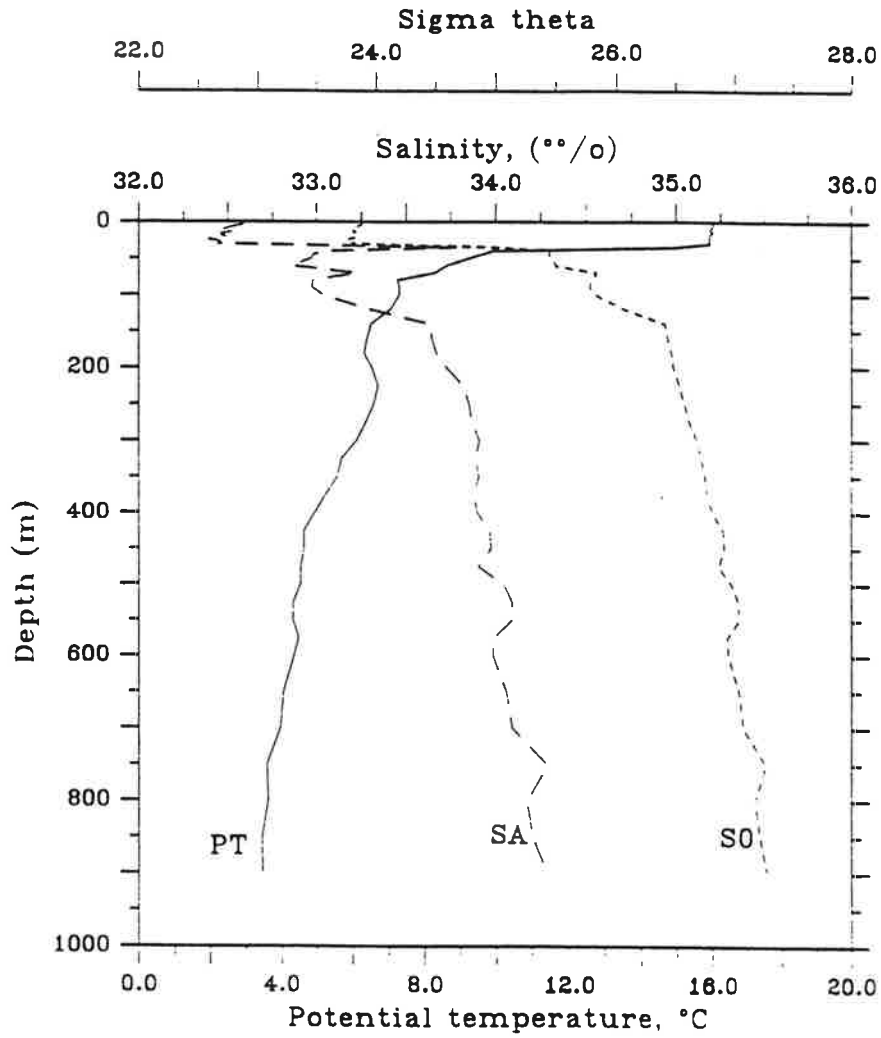


## STATION 9

LATITUDE: 45.0000 N LONGITUDE: 155.0139 W DATE: 5 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	16.041	32.584	16.041	23.882	23.882	28.274	23.882	1507.1	401.339	1.32	.00
2.0	2.0	16.041	32.584	16.041	23.882	23.882	28.274	23.890	1507.1	401.394	1.30	.33
4.0	4.0	16.041	32.584	16.041	23.882	23.882	28.274	23.899	1507.1	401.448	1.29	-23.09
6.0	6.1	16.038	32.539	16.038	23.848	23.848	28.240	23.875	1507.1	404.741	1.28	-14.87
8.0	8.1	15.991	32.507	15.990	23.834	23.834	28.227	23.869	1506.9	406.139	1.27	-11.34
10.0	10.1	15.949	32.484	15.948	23.825	23.826	28.220	23.870	1506.7	406.974	1.27	-21.33
12.0	12.1	15.971	32.453	15.969	23.796	23.797	28.191	23.850	1506.8	409.791	1.26	24.69
14.0	14.2	16.039	32.523	16.037	23.835	23.836	28.228	23.898	1507.1	406.146	1.25	-22.91
16.0	16.2	15.979	32.462	15.977	23.802	23.802	28.196	23.873	1506.8	409.385	1.24	10.15
18.0	18.2	15.943	32.460	15.941	23.808	23.809	28.203	23.889	1506.7	408.814	1.23	18.12
20.0	20.2	15.948	32.489	15.945	23.829	23.830	28.224	23.919	1506.8	406.877	1.22	-8.46
22.0	22.2	15.932	32.478	15.929	23.825	23.825	28.220	23.923	1506.7	407.366	1.22	-32.29
24.0	24.3	15.938	32.393	15.934	23.758	23.759	28.154	23.866	1506.6	413.749	1.21	25.55
26.0	26.3	15.945	32.450	15.941	23.800	23.801	28.195	23.916	1506.7	409.842	1.20	14.53
28.0	28.3	15.912	32.458	15.908	23.813	23.814	28.209	23.939	1506.6	408.614	1.19	-16.93
30.0	30.3	15.948	32.444	15.944	23.795	23.796	28.191	23.929	1506.7	410.410	1.18	88.13
35.0	35.4	15.000	33.778	14.995	25.031	25.032	29.433	25.188	1505.3	292.792	1.17	51.31
40.0	40.4	9.935	33.062	9.931	25.450	25.451	29.944	25.632	1487.3	252.726	1.16	-7.81
45.0	45.5	9.609	32.981	9.605	25.440	25.441	29.941	25.645	1486.0	253.719	1.14	17.24
50.0	50.6	9.271	32.971	9.266	25.487	25.488	29.994	25.716	1484.8	249.280	1.13	4.41
60.0	60.7	8.651	32.856	8.645	25.493	25.494	30.014	25.768	1482.4	248.800	1.12	32.94
70.0	70.8	8.311	33.232	8.304	25.840	25.840	30.365	26.160	1481.6	216.073	1.09	-12.35
80.0	80.9	7.255	32.977	7.248	25.791	25.792	30.340	26.159	1477.2	220.689	1.07	-5.82
90.0	91.0	7.309	32.972	7.301	25.780	25.781	30.328	26.194	1477.5	221.863	1.04	12.47
100.0	101.1	7.302	33.034	7.293	25.829	25.831	30.377	26.290	1477.5	217.300	1.02	19.44
120.0	121.4	7.059	33.298	7.048	26.070	26.072	30.622	26.623	1476.9	194.686	1.00	23.07
140.0	141.6	6.514	33.636	6.502	26.410	26.411	30.971	27.055	1475.3	162.657	.96	5.72
160.0	161.8	6.411	33.646	6.397	26.430	26.432	30.994	27.169	1474.9	160.917	.92	6.96
180.0	182.0	6.329	33.671	6.313	26.461	26.463	31.027	27.292	1474.7	158.223	.89	4.88
200.0	202.3	6.549	33.727	6.532	26.476	26.479	31.037	27.398	1475.6	157.137	.86	8.03
225.0	227.6	6.712	33.819	6.692	26.528	26.531	31.084	27.563	1476.4	152.691	.82	7.11
250.0	252.9	6.594	33.850	6.571	26.568	26.571	31.127	27.719	1476.0	149.174	.78	7.30
275.0	278.2	6.367	33.867	6.343	26.611	26.614	31.175	27.878	1475.2	145.371	.75	9.00
300.0	303.5	6.115	33.907	6.089	26.675	26.678	31.245	28.058	1474.3	139.451	.71	6.60
325.0	328.8	5.695	33.885	5.668	26.709	26.713	31.289	28.211	1472.6	136.207	.67	6.14
350.0	354.1	5.576	33.905	5.548	26.739	26.743	31.322	28.357	1472.2	133.577	.64	4.58
375.0	379.4	5.245	33.876	5.215	26.756	26.759	31.346	28.491	1470.9	132.028	.60	7.98
400.0	404.7	4.941	33.895	4.910	26.806	26.810	31.404	28.659	1469.7	127.251	.57	10.52
425.0	430.1	4.641	33.964	4.609	26.895	26.898	31.499	28.865	1468.6	118.915	.54	2.75
450.0	455.4	4.639	33.972	4.605	26.900	26.904	31.505	28.987	1468.7	118.586	.50	-7.68
475.0	480.7	4.547	33.900	4.512	26.853	26.857	31.461	29.056	1468.2	123.160	.47	11.93
500.0	506.0	4.535	34.041	4.498	26.967	26.971	31.573	29.285	1468.4	112.707	.44	8.47
525.0	531.4	4.332	34.085	4.293	27.024	27.028	31.635	29.459	1467.7	107.340	.41	1.79
550.0	556.7	4.317	34.086	4.276	27.026	27.031	31.638	29.577	1467.7	107.310	.38	-11.25
575.0	582.1	4.478	33.981	4.435	26.925	26.930	31.535	29.590	1468.2	117.227	.36	4.16
600.0	607.4	4.343	33.980	4.298	26.939	26.944	31.551	29.720	1467.7	115.990	.33	7.50
650.0	658.1	4.049	34.053	4.002	27.028	27.033	31.647	30.044	1466.7	107.617	.30	4.81
700.0	708.8	3.962	34.088	3.911	27.065	27.070	31.687	30.312	1466.4	104.443	.24	11.00
750.0	759.5	3.582	34.283	3.529	27.258	27.263	31.887	30.740	1465.2	86.160	.19	-7.66
800.0	810.2	3.614	34.169	3.557	27.164	27.169	31.794	30.877	1465.2	95.356	.14	5.13
850.0	861.0	3.444	34.200	3.385	27.205	27.211	31.840	31.152	1464.6	91.488	.09	6.34
900.0	911.7	3.455	34.282	3.392	27.270	27.276	31.903	31.445	1464.9	85.882	.00	11.11

STATION 9

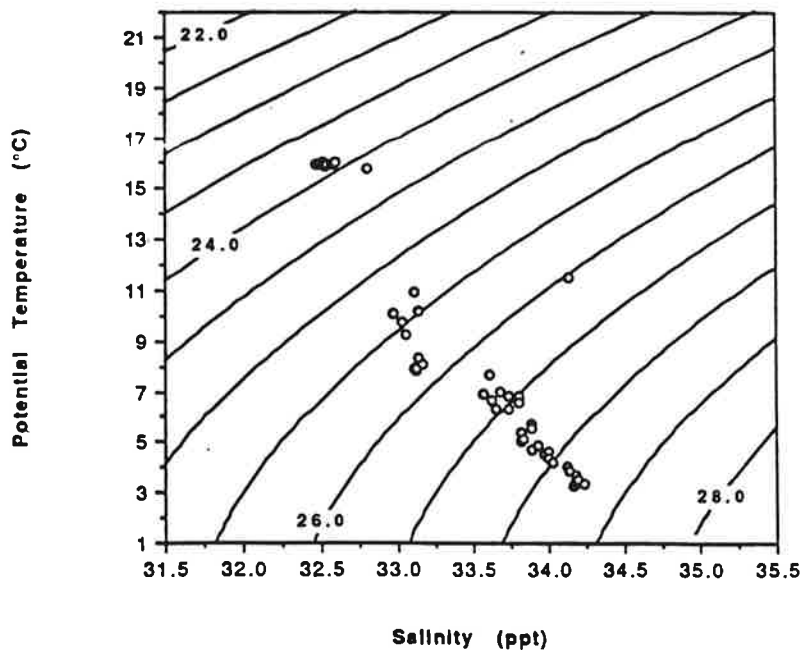
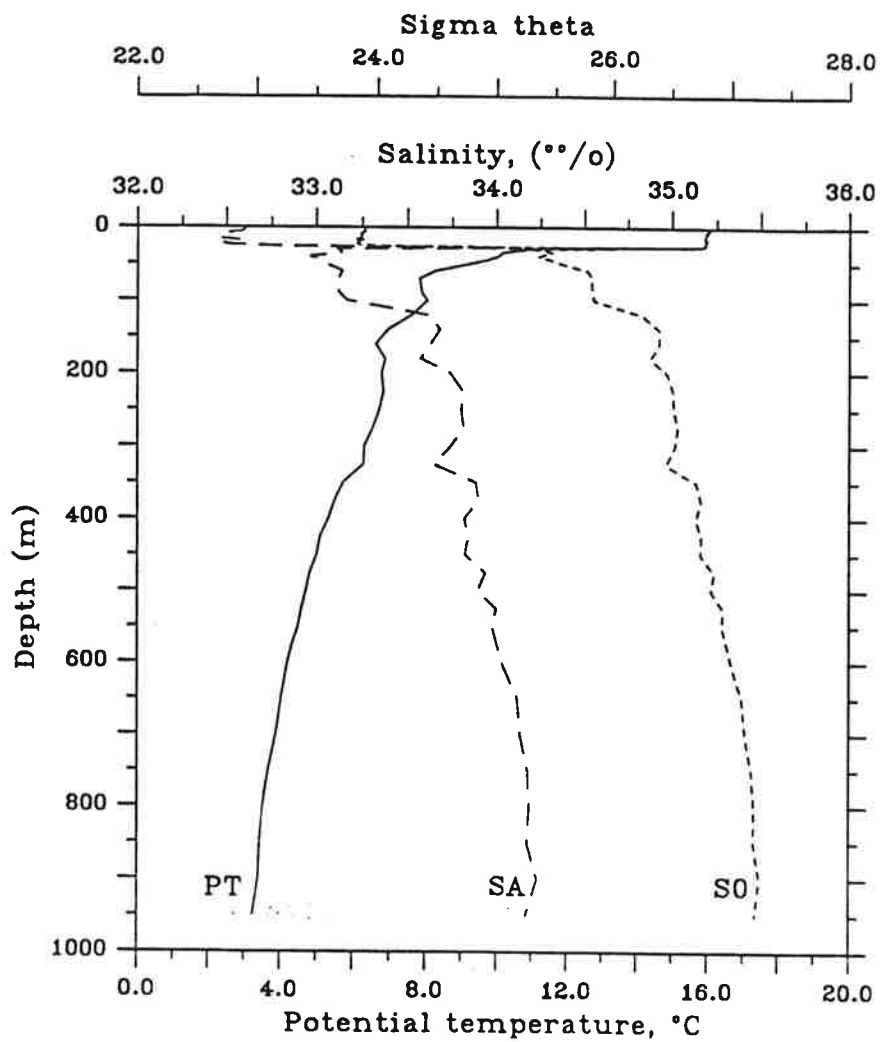


## STATION 10

LATITUDE: 44.7500 N LONGITUDE: 155.0050 W DATE: 5 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	16.043	32.601	16.043	23.894	23.894	28.286	23.894	1507.1	400.142	1.39	.00
2.0	2.0	16.043	32.601	16.043	23.894	23.894	28.286	23.903	1507.1	400.197	1.36	.33
4.0	4.0	16.043	32.601	16.042	23.894	23.894	28.286	23.912	1507.2	400.251	1.35	13.49
6.0	6.1	15.928	32.582	15.927	23.906	23.906	28.300	23.933	1506.8	399.201	1.34	-32.92
8.0	8.1	15.994	32.512	15.993	23.837	23.837	28.230	23.872	1506.9	405.837	1.34	24.68
10.0	10.1	15.918	32.540	15.917	23.875	23.876	28.270	23.920	1506.7	402.195	1.33	-3.98
12.0	12.1	15.927	32.542	15.925	23.875	23.875	28.269	23.928	1506.7	402.346	1.32	-8.42
14.0	14.1	15.902	32.528	15.899	23.870	23.870	28.265	23.933	1506.6	402.831	1.31	-30.37
16.0	16.2	15.981	32.475	15.978	23.811	23.812	28.206	23.883	1506.8	408.488	1.30	37.79
18.0	18.2	15.914	32.574	15.911	23.902	23.903	28.297	23.983	1506.7	399.871	1.30	-29.61
20.0	20.2	15.954	32.513	15.951	23.846	23.847	28.241	23.936	1506.8	405.250	1.29	-15.43
22.0	22.2	15.917	32.482	15.913	23.831	23.832	28.227	23.930	1506.7	406.749	1.28	15.93
24.0	24.2	15.935	32.508	15.932	23.847	23.848	28.243	23.955	1506.7	405.264	1.27	63.66
26.0	26.3	15.797	32.804	15.793	24.105	24.106	28.501	24.222	1506.7	380.720	1.26	173.13
28.0	28.3	11.489	34.135	11.485	26.013	26.014	30.471	26.140	1494.1	199.056	1.25	-103.79
30.0	30.3	10.895	33.114	10.892	25.326	25.327	29.801	25.462	1490.8	264.359	1.25	30.73
35.0	35.3	10.149	33.142	10.145	25.477	25.477	29.965	25.636	1488.2	250.117	1.24	-27.11
40.0	40.4	10.033	32.967	10.028	25.359	25.360	29.852	25.542	1487.5	261.340	1.23	25.40
45.0	45.4	9.731	33.034	9.726	25.462	25.463	29.960	25.667	1486.5	251.639	1.22	23.59
50.0	50.5	9.265	33.051	9.259	25.551	25.552	30.058	25.779	1484.9	243.265	1.20	26.58
60.0	60.6	8.272	33.143	8.266	25.776	25.777	30.302	26.051	1481.3	221.940	1.19	11.83
70.0	70.7	7.841	33.119	7.834	25.820	25.821	30.356	26.142	1479.6	217.807	1.17	-6.30
80.0	80.8	7.865	33.108	7.858	25.808	25.809	30.343	26.175	1479.7	219.164	1.15	5.41
90.0	90.9	7.899	33.126	7.890	25.817	25.818	30.352	26.230	1479.9	218.436	1.12	5.77
100.0	101.0	8.050	33.168	8.041	25.828	25.829	30.359	26.287	1480.6	217.611	1.10	25.50
120.0	121.2	7.616	33.615	7.605	26.242	26.244	30.780	26.793	1479.5	178.525	1.08	15.10
140.0	141.4	6.953	33.682	6.940	26.388	26.389	30.939	27.032	1477.0	164.882	1.04	1.33
160.0	161.6	6.621	33.627	6.606	26.388	26.390	30.948	27.126	1475.7	164.953	1.00	-10.99
180.0	181.8	6.878	33.573	6.861	26.311	26.314	30.866	27.140	1476.7	172.615	.97	15.02
200.0	202.1	6.779	33.739	6.761	26.455	26.458	31.011	27.376	1476.5	159.228	.94	7.85
225.0	227.3	6.826	33.809	6.806	26.504	26.507	31.059	27.540	1476.9	154.952	.90	2.90
250.0	252.6	6.717	33.799	6.695	26.511	26.514	31.068	27.662	1476.5	154.617	.86	6.57
275.0	277.9	6.536	33.812	6.512	26.545	26.549	31.107	27.812	1475.8	151.607	.82	-5.53
300.0	303.2	6.303	33.743	6.277	26.521	26.524	31.088	27.904	1474.8	154.108	.78	-9.54
325.0	328.4	6.286	33.648	6.258	26.448	26.452	31.016	27.946	1474.7	161.275	.74	17.87
350.0	353.7	5.734	33.882	5.705	26.702	26.706	31.282	28.319	1472.8	137.173	.70	6.89
375.0	379.0	5.501	33.894	5.470	26.740	26.744	31.325	28.473	1472.0	133.717	.67	-7.23
400.0	404.3	5.334	33.816	5.302	26.698	26.702	31.288	28.548	1471.2	137.790	.63	7.52
425.0	429.6	5.108	33.840	5.074	26.743	26.747	31.337	28.710	1470.4	133.609	.60	-2.40
450.0	454.9	5.019	33.821	4.983	26.739	26.743	31.335	28.821	1470.0	134.221	.56	11.89
475.0	480.2	4.827	33.936	4.790	26.851	26.855	31.452	29.051	1469.4	123.668	.53	-5.47
500.0	505.5	4.725	33.891	4.687	26.827	26.831	31.431	29.143	1469.0	126.052	.49	11.08
525.0	530.8	4.601	33.997	4.561	26.925	26.929	31.531	29.357	1468.7	116.943	.46	-3.15
550.0	556.1	4.510	33.975	4.469	26.917	26.921	31.525	29.466	1468.3	117.820	.43	6.95
575.0	581.4	4.349	34.001	4.306	26.955	26.960	31.567	29.621	1467.7	114.239	.40	6.68
600.0	606.7	4.216	34.028	4.172	26.991	26.996	31.606	29.774	1467.2	110.947	.37	7.55
650.0	657.4	4.036	34.119	3.989	27.081	27.086	31.700	30.097	1466.7	102.611	.34	4.22
700.0	708.0	3.890	34.135	3.839	27.110	27.115	31.732	30.357	1466.2	100.151	.29	5.98
750.0	758.7	3.672	34.179	3.619	27.166	27.171	31.794	30.648	1465.4	94.858	.24	3.76
800.0	809.4	3.516	34.188	3.460	27.188	27.194	31.820	30.903	1464.8	92.858	.19	-9.2
850.0	860.0	3.431	34.176	3.372	27.187	27.193	31.822	31.134	1464.6	93.190	.14	5.58
900.0	910.7	3.390	34.233	3.327	27.237	27.243	31.872	31.414	1464.5	88.823	.09	-4.85
950.0	961.4	3.261	34.168	3.175	27.199	27.205	31.839	31.609	1463.9	92.363	.00	10.48

STATION 10

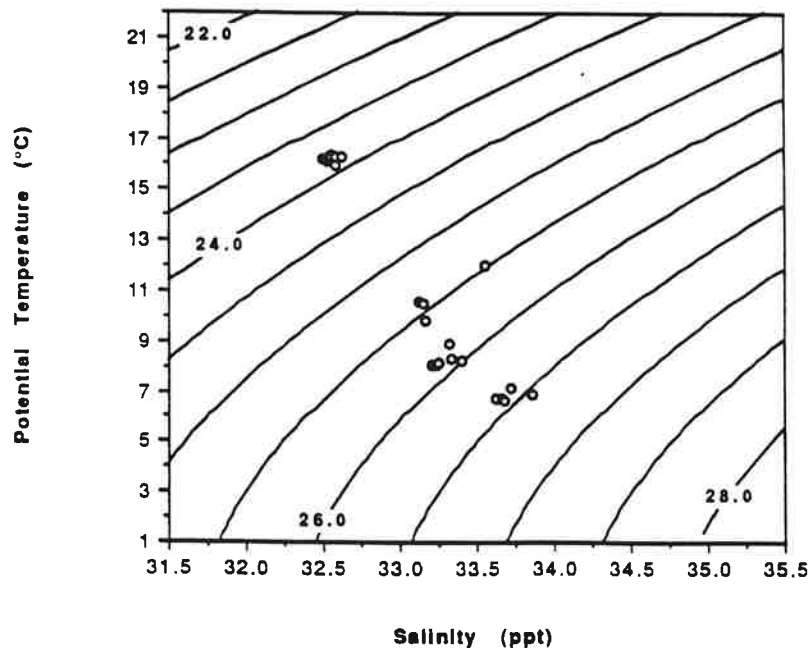
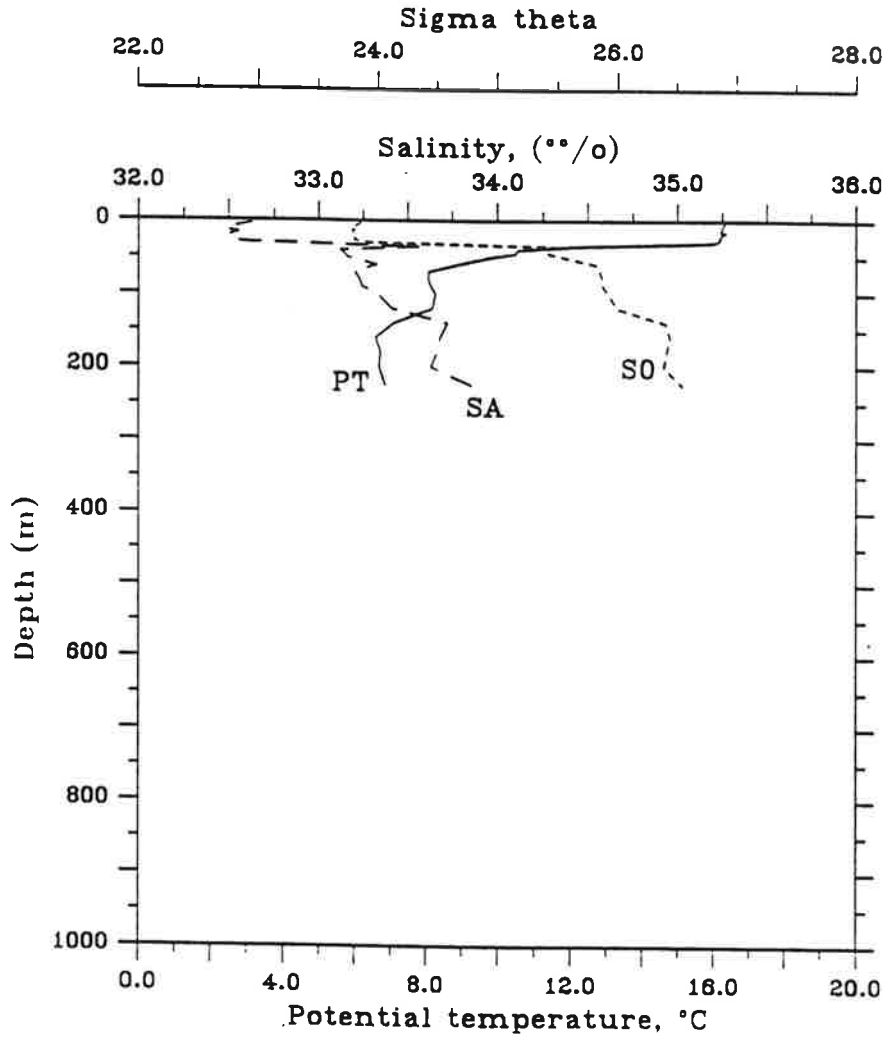


## STATION 13

LATITUDE: 43.6667 N LONGITUDE: 155.0067 W DATE: 6 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	16.322	32.629	16.322	23.853	23.853	28.240	23.853	1508.0	404.101	.52	.00
2.0	2.0	16.322	32.629	16.322	23.853	23.853	28.240	23.861	1508.0	404.157	.51	.33
4.0	4.0	16.322	32.629	16.322	23.853	23.853	28.240	23.871	1508.0	404.212	.50	-18.25
6.0	6.1	16.278	32.588	16.277	23.831	23.832	28.220	23.858	1507.9	406.291	.49	-23.45
8.0	8.1	16.260	32.537	16.258	23.796	23.797	28.186	23.832	1507.8	409.686	.49	17.76
10.0	10.1	16.250	32.561	16.248	23.816	23.817	28.206	23.861	1507.8	407.827	.48	3.71
12.0	12.1	16.227	32.555	16.225	23.817	23.818	28.207	23.871	1507.7	407.799	.47	-24.63
14.0	14.1	16.200	32.497	16.198	23.779	23.779	28.170	23.841	1507.5	411.537	.46	12.08
16.0	16.2	16.358	32.556	16.355	23.788	23.789	28.176	23.860	1508.1	410.710	.45	14.73
18.0	18.2	16.244	32.540	16.241	23.802	23.802	28.192	23.882	1507.7	409.445	.44	-17.61
20.0	20.2	16.216	32.506	16.213	23.782	23.783	28.173	23.872	1507.6	411.383	.44	14.63
22.0	22.2	16.237	32.530	16.233	23.796	23.796	28.186	23.894	1507.7	410.140	.43	14.73
24.0	24.2	16.152	32.523	16.149	23.809	23.810	28.201	23.917	1507.4	408.877	.42	-15.66
26.0	26.3	16.187	32.513	16.183	23.794	23.795	28.185	23.910	1507.5	410.422	.41	25.65
28.0	28.3	16.102	32.542	16.098	23.836	23.837	28.228	23.961	1507.3	406.483	.40	30.93
30.0	30.3	15.986	32.588	15.981	23.897	23.898	28.291	24.031	1507.0	400.726	.39	99.22
35.0	35.4	12.045	33.560	12.041	25.463	25.464	29.914	25.621	1495.3	251.525	.39	-20.89
40.0	40.4	10.549	33.123	10.544	25.393	25.394	29.875	25.575	1489.6	258.149	.37	13.80
45.0	45.5	10.483	33.147	10.478	25.424	25.425	29.906	25.628	1489.4	255.362	.36	28.34
50.0	50.5	9.800	33.163	9.794	25.552	25.552	30.047	25.779	1486.9	243.240	.34	28.89
60.0	60.6	8.930	33.325	8.924	25.818	25.819	30.330	26.092	1484.0	218.066	.33	9.95
70.0	70.7	8.092	33.202	8.085	25.849	25.850	30.378	26.170	1480.7	215.131	.31	8.66
80.0	80.8	8.079	33.230	8.071	25.873	25.874	30.403	26.240	1480.7	213.020	.28	-1.72
90.0	90.9	8.157	33.244	8.148	25.872	25.873	30.400	26.285	1481.0	213.282	.26	12.24
100.0	101.0	8.284	33.329	8.274	25.920	25.921	30.445	26.378	1481.6	208.937	.24	10.75
120.0	121.3	8.201	33.407	8.189	25.993	25.995	30.520	26.543	1481.4	202.252	.22	25.18
140.0	141.5	7.114	33.723	7.101	26.398	26.399	30.945	27.042	1477.7	163.974	.18	7.70
160.0	161.7	6.600	33.683	6.585	26.435	26.437	30.994	27.173	1475.7	160.520	.14	-6.95
180.0	181.9	6.728	33.666	6.712	26.404	26.407	30.961	27.234	1476.2	163.752	.11	-5.86
200.0	202.1	6.687	33.631	6.669	26.382	26.385	30.941	27.304	1476.0	166.085	.07	13.90
225.0	227.4	6.860	33.856	6.839	26.537	26.540	31.090	27.572	1477.0	151.926	.00	19.19

## STATION 13



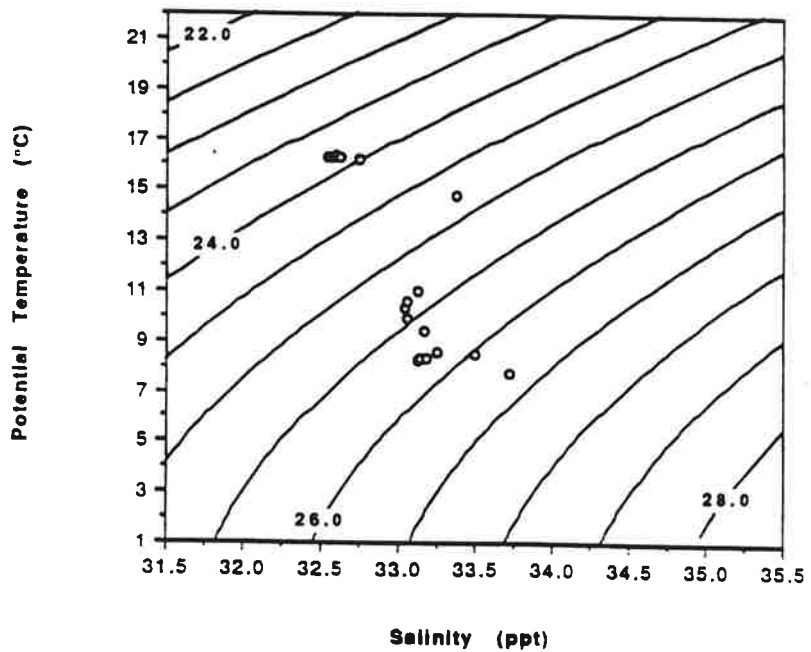
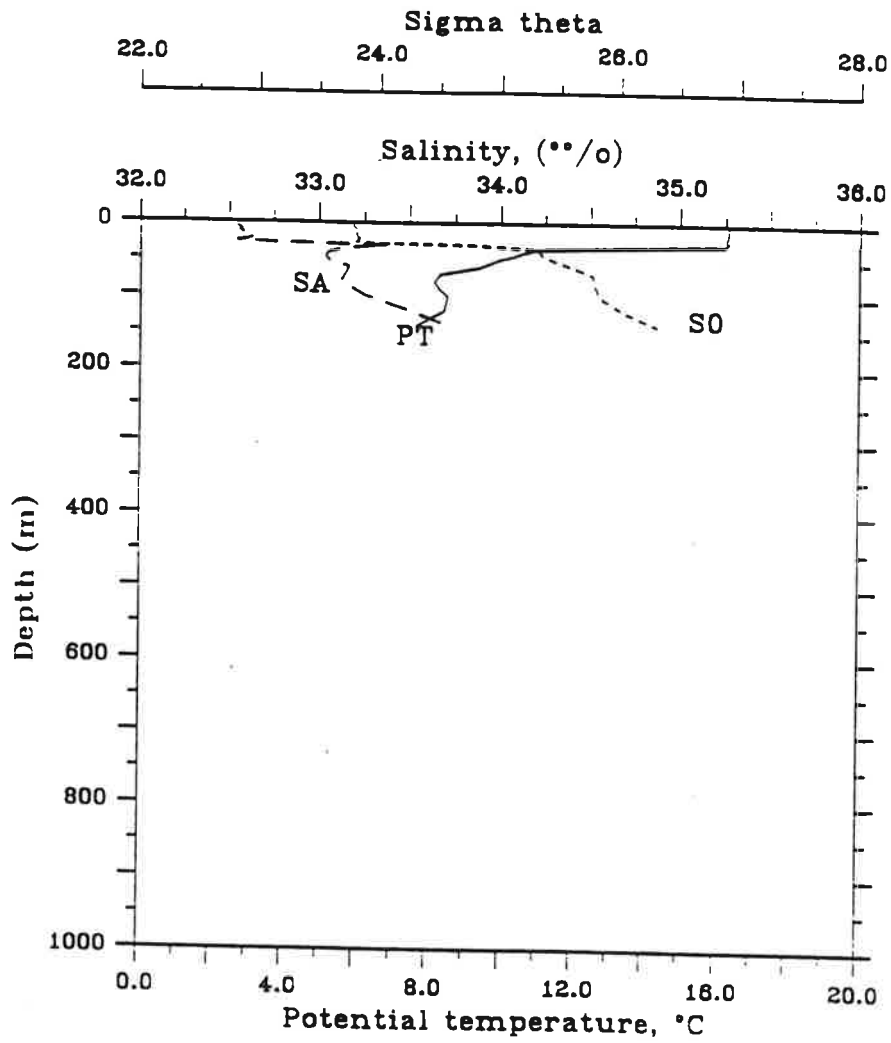
## STATION 14

LATITUDE: 43.4167 N LONGITUDE: 155.0005 W DATE: 6 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	OYNH	BVA1
.0	.0	16.326	32.542	16.326	23.785	23.785	28.173	23.785	1507.9	410.553	.38	.00
2.0	2.0	16.326	32.542	16.325	23.785	23.785	28.173	23.794	1508.0	410.608	.38	.33
4.0	4.0	16.326	32.542	16.325	23.785	23.785	28.173	23.803	1508.0	410.664	.37	.33
6.0	6.1	16.326	32.542	16.325	23.785	23.785	28.173	23.812	1508.0	410.719	.36	16.80
8.0	8.1	16.312	32.561	16.310	23.803	23.803	28.191	23.839	1507.9	409.062	.35	14.26
10.0	10.1	16.308	32.577	16.306	23.816	23.816	28.204	23.861	1508.0	407.884	.34	-18.03
12.0	12.1	16.325	32.555	16.323	23.795	23.796	28.184	23.849	1508.0	409.914	.33	19.61
14.0	14.2	16.306	32.581	16.303	23.820	23.820	28.208	23.882	1508.0	407.636	.33	-13.82
16.0	16.2	16.308	32.566	16.306	23.808	23.808	28.196	23.879	1507.9	408.851	.32	8.23
18.0	18.2	16.281	32.564	16.278	23.812	23.812	28.201	23.892	1507.9	408.495	.31	5.81
20.0	20.2	16.247	32.556	16.244	23.814	23.815	28.204	23.903	1507.8	408.346	.30	28.53
22.0	22.2	16.265	32.629	16.262	23.866	23.867	28.255	23.964	1507.9	403.463	.29	-25.56
24.0	24.3	16.337	32.596	16.333	23.824	23.825	28.212	23.931	1508.1	407.486	.28	-18.27
26.0	26.3	16.255	32.544	16.251	23.803	23.804	28.193	23.919	1507.8	409.566	.28	49.79
28.0	28.3	16.235	32.744	16.230	23.961	23.962	28.350	24.086	1507.9	394.579	.27	113.08
30.0	30.3	14.754	33.377	14.749	24.775	24.775	29.182	24.909	1504.0	317.030	.26	58.77
35.0	35.4	10.980	33.131	10.975	25.324	25.325	29.798	25.483	1491.1	264.632	.25	5.24
40.0	40.4	10.599	33.051	10.594	25.329	25.330	29.810	25.511	1489.7	264.294	.24	15.34
45.0	45.5	10.315	33.036	10.310	25.366	25.367	29.853	25.571	1488.6	260.808	.22	22.28
50.0	50.6	9.913	33.051	9.908	25.445	25.446	29.939	25.673	1487.2	253.353	.21	23.02
60.0	60.7	9.433	33.167	9.426	25.614	25.615	30.117	25.888	1485.6	237.444	.20	22.00
70.0	70.8	8.335	33.145	8.328	25.768	25.769	30.293	26.089	1481.5	222.833	.17	2.67
80.0	80.9	8.193	33.121	8.185	25.771	25.772	30.299	26.137	1481.0	222.758	.15	9.72
90.0	91.0	8.320	33.184	8.311	25.801	25.802	30.326	26.213	1481.6	220.078	.13	8.54
100.0	101.1	8.545	33.257	8.535	25.824	25.826	30.345	26.282	1482.5	218.078	.10	17.84
120.0	121.4	8.451	33.498	8.439	26.027	26.029	30.548	26.576	1482.5	199.150	.08	21.18
140.0	141.6	7.703	33.721	7.690	26.313	26.315	30.848	26.955	1480.0	172.184	.00	23.48



STATION 14

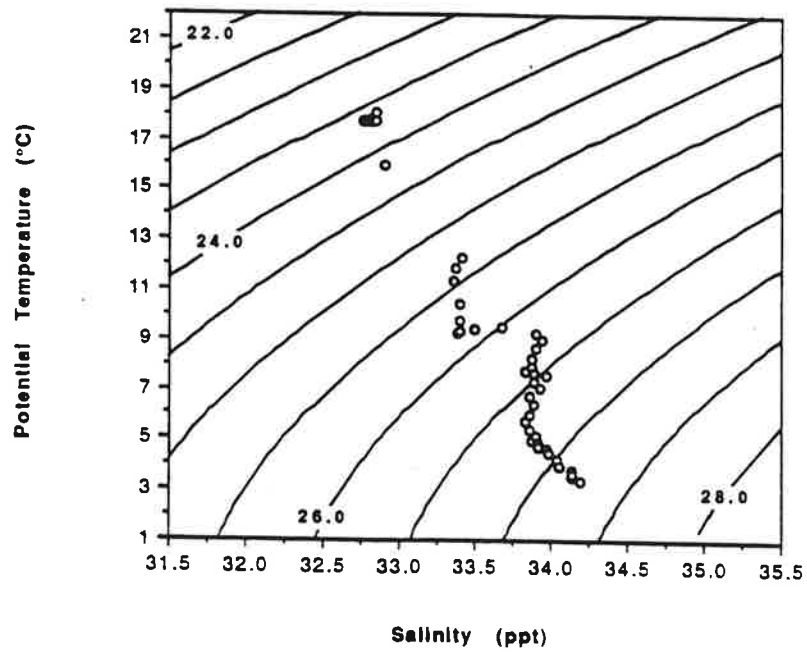
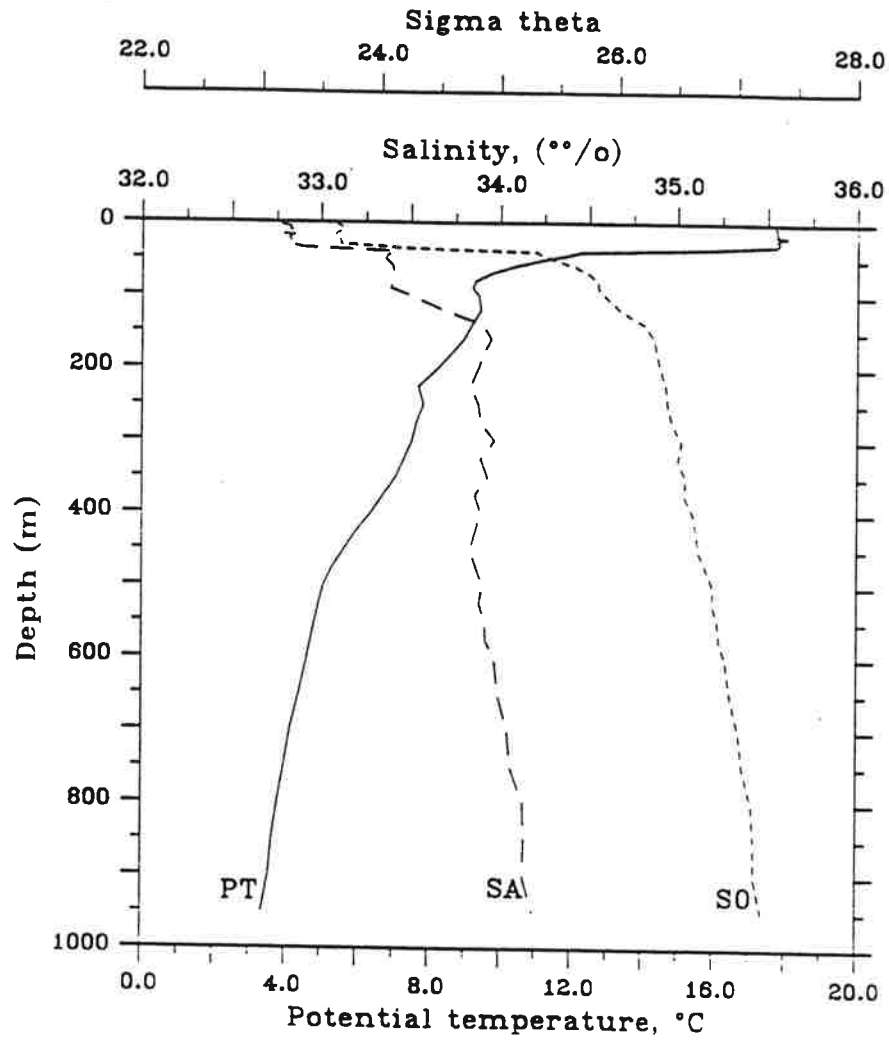


## STATION 18

LATITUDE: 42.5858 N LONGITUDE: 154.9758 W DATE: 6 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	17.715	32.777	17.715	23.640	23.640	28.007	23.640	1512.4	424.371	1.50	.00
2.0	2.0	17.715	32.777	17.715	23.640	23.640	28.007	23.649	1512.4	424.431	1.46	.34
4.0	4.0	17.715	32.777	17.714	23.640	23.640	28.007	23.658	1512.4	424.490	1.46	25.02
6.0	6.1	17.722	32.831	17.721	23.680	23.680	28.047	23.707	1512.5	420.748	1.45	-15.35
8.0	8.1	17.753	32.821	17.752	23.665	23.665	28.032	23.701	1512.6	422.240	1.44	17.11
10.0	10.1	17.736	32.840	17.735	23.684	23.684	28.050	23.728	1512.6	420.523	1.43	-17.63
12.0	12.1	17.752	32.819	17.750	23.664	23.664	28.031	23.717	1512.6	422.470	1.42	-12.29
14.0	14.2	17.773	32.814	17.771	23.654	23.655	28.021	23.716	1512.6	423.448	1.41	-21.16
16.0	16.2	17.740	32.766	17.738	23.626	23.626	27.993	23.697	1512.5	426.227	1.40	-9.11
18.0	18.2	18.028	32.850	18.025	23.620	23.621	27.983	23.701	1513.4	426.798	1.40	22.61
20.0	20.2	17.804	32.822	17.801	23.653	23.654	28.019	23.742	1512.8	423.748	1.39	13.21
22.0	22.2	17.741	32.817	17.738	23.664	23.665	28.031	23.762	1512.6	422.747	1.38	-12.34
24.0	24.3	17.815	32.827	17.811	23.654	23.655	28.021	23.761	1512.8	423.734	1.37	10.82
26.0	26.3	17.814	32.836	17.810	23.662	23.663	28.028	23.778	1512.8	423.084	1.36	11.42
28.0	28.3	17.772	32.834	17.767	23.670	23.671	28.037	23.795	1512.7	422.351	1.35	-11.68
30.0	30.3	17.739	32.812	17.734	23.661	23.663	28.029	23.795	1512.6	423.239	1.34	55.00
35.0	35.4	15.967	32.902	15.962	24.143	24.144	28.535	24.299	1507.3	377.418	1.33	85.64
40.0	40.5	12.257	33.415	12.251	25.310	25.311	29.759	25.490	1495.9	266.224	1.31	15.92
45.0	45.5	11.858	33.370	11.852	25.350	25.351	29.806	25.554	1494.5	262.674	1.30	23.98
50.0	50.6	11.302	33.356	11.295	25.442	25.443	29.908	25.668	1492.5	253.833	1.28	24.50
60.0	60.7	10.400	33.397	10.393	25.633	25.634	30.115	25.906	1489.4	235.787	1.27	19.20
70.0	70.8	9.727	33.402	9.719	25.750	25.751	30.246	26.069	1487.0	224.749	1.25	14.65
80.0	80.9	9.297	33.400	9.288	25.819	25.820	30.323	26.184	1485.4	218.382	1.22	3.15
90.0	91.0	9.210	33.386	9.200	25.822	25.823	30.328	26.233	1485.1	218.252	1.20	13.33
100.0	101.2	9.384	33.494	9.373	25.878	25.880	30.381	26.334	1485.9	213.094	1.18	14.59
120.0	121.4	9.443	33.681	9.430	26.014	26.016	30.515	26.561	1486.4	200.599	1.16	18.17
140.0	141.6	9.191	33.897	9.176	26.225	26.227	30.729	26.863	1485.8	180.962	1.11	10.86
160.0	161.9	8.973	33.949	8.955	26.300	26.303	30.808	27.030	1485.1	174.141	1.07	5.57
180.0	182.1	8.630	33.906	8.612	26.320	26.323	30.836	27.142	1483.8	172.519	1.04	7.12
200.0	202.3	8.266	33.876	8.245	26.352	26.355	30.875	27.266	1482.4	169.679	1.00	7.68
225.0	227.7	7.716	33.832	7.694	26.398	26.402	30.934	27.430	1480.3	165.418	.97	4.22
250.0	253.0	7.853	33.876	7.828	26.413	26.416	30.946	27.558	1480.9	164.536	.93	7.00
275.0	278.3	7.657	33.889	7.630	26.452	26.455	30.989	27.712	1480.2	161.147	.88	9.94
300.0	303.6	7.535	33.967	7.506	26.530	26.534	31.070	27.905	1479.9	154.032	.84	-6.02
325.0	328.9	7.311	33.890	7.280	26.501	26.506	31.046	27.992	1479.0	157.005	.80	8.86
350.0	354.2	7.074	33.927	7.041	26.564	26.568	31.114	28.170	1478.2	151.308	.76	-3.08
375.0	379.6	6.725	33.857	6.691	26.556	26.560	31.114	28.279	1476.8	152.127	.72	9.36
400.0	404.9	6.393	33.890	6.358	26.625	26.630	31.191	28.466	1475.5	145.621	.68	6.02
425.0	430.2	5.986	33.860	5.950	26.654	26.658	31.229	28.613	1473.9	142.879	.65	4.44
450.0	455.5	5.667	33.830	5.630	26.669	26.674	31.251	28.746	1472.7	141.416	.61	9.13
475.0	480.9	5.335	33.863	5.297	26.735	26.740	31.325	28.930	1471.4	135.122	.57	8.58
500.0	506.2	5.086	33.901	5.047	26.794	26.798	31.389	29.106	1470.5	129.615	.54	-.22
525.0	531.6	4.956	33.881	4.915	26.794	26.798	31.392	29.222	1470.0	129.737	.50	7.08
550.0	556.9	4.839	33.915	4.796	26.833	26.838	31.434	29.378	1469.6	126.098	.47	4.26
575.0	582.3	4.733	33.918	4.688	26.848	26.853	31.451	29.509	1469.2	124.858	.44	7.92
600.0	607.6	4.633	33.967	4.587	26.898	26.903	31.503	29.675	1468.9	120.272	.41	5.15
650.0	658.3	4.405	33.989	4.356	26.940	26.945	31.551	29.950	1468.1	116.469	.38	6.62
700.0	709.0	4.154	34.043	4.102	27.009	27.015	31.627	30.253	1467.2	109.982	.31	4.50
750.0	759.8	3.979	34.061	3.924	27.041	27.047	31.663	30.518	1466.5	107.096	.26	7.02
800.0	810.5	3.790	34.135	3.733	27.119	27.125	31.746	30.829	1465.9	99.828	.20	3.56
850.0	861.2	3.639	34.141	3.578	27.139	27.145	31.769	31.082	1465.4	98.050	.15	1.50
900.0	912.0	3.548	34.134	3.484	27.143	27.149	31.775	31.317	1465.1	97.909	.10	6.37
950.0	962.8	3.361	34.193	3.295	27.207	27.213	31.844	31.615	1464.4	91.841	.00	10.64

## STATION 18

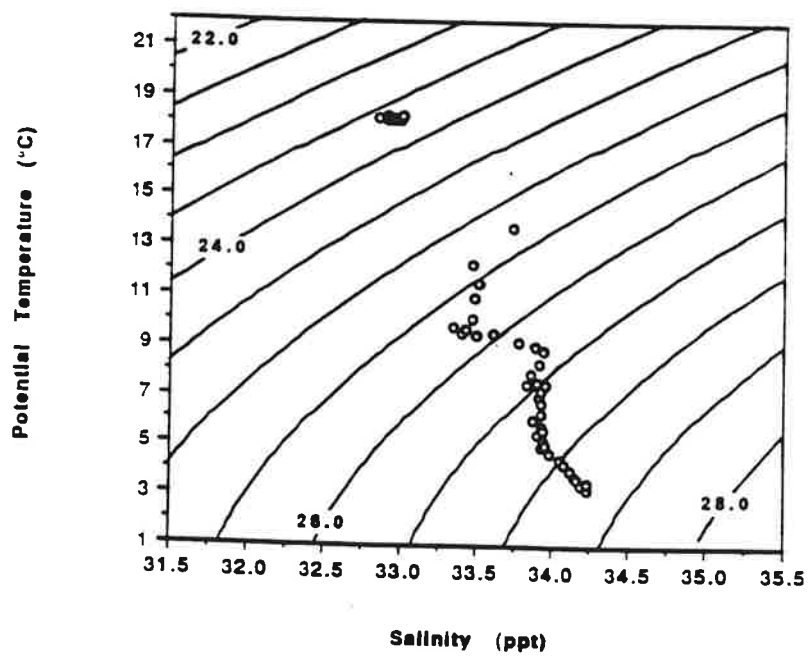
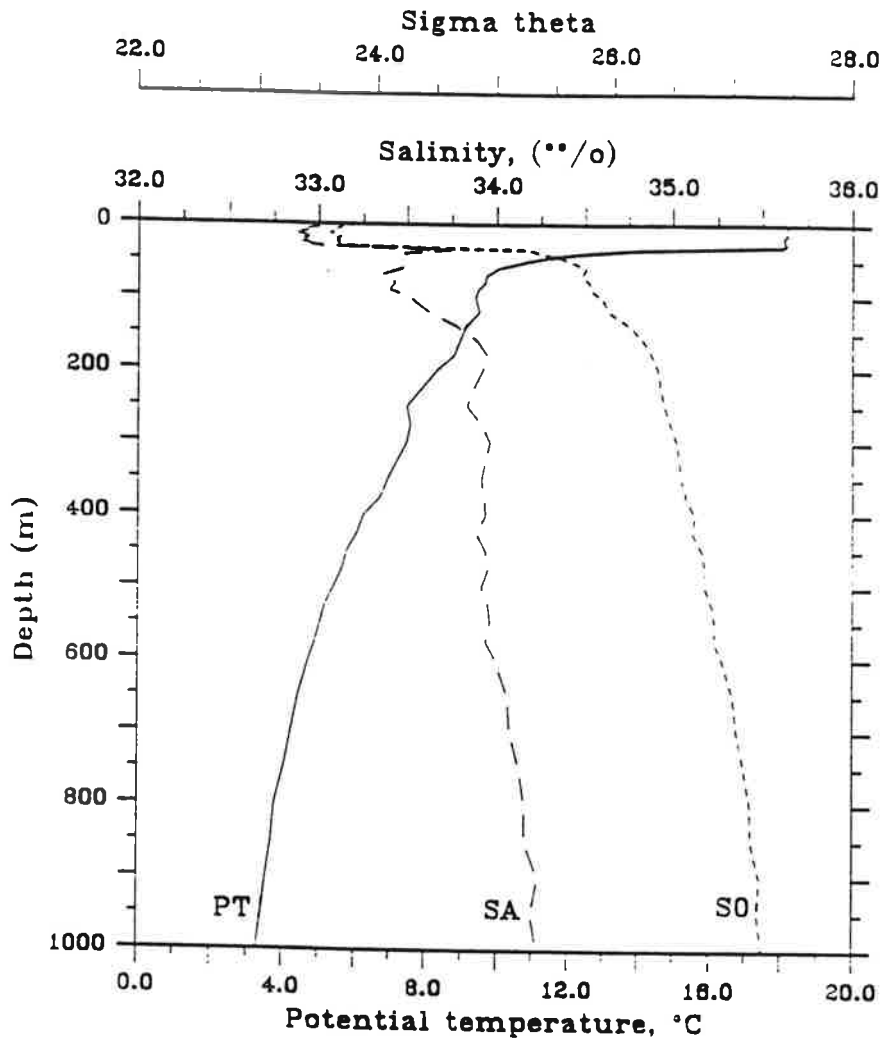


## STATION 20

LATITUDE: 42.1472 N LONGITUDE: 155.1139 W DATE: 6 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	18.193	32.998	18.193	23.693	23.693	28.052	23.693	1514.1	419.330	1.52	.00
2.0	2.0	18.193	32.998	18.193	23.693	23.693	28.052	23.702	1514.1	419.391	1.49	.34
4.0	4.0	18.193	32.998	18.192	23.693	23.693	28.052	23.711	1514.1	419.452	1.48	-25.70
6.0	6.1	18.174	32.937	18.173	23.651	23.651	28.011	23.678	1514.0	423.524	1.47	6.48
8.0	8.1	18.167	32.938	18.166	23.654	23.654	28.014	23.689	1513.9	423.330	1.46	6.74
10.0	10.1	18.141	32.933	18.140	23.657	23.657	28.017	23.701	1513.9	423.115	1.45	-32.64
12.0	12.1	18.161	32.851	18.159	23.589	23.589	27.950	23.642	1513.8	429.647	1.44	20.97
14.0	14.1	18.194	32.898	18.191	23.617	23.617	27.977	23.679	1514.0	427.039	1.44	25.64
16.0	16.1	18.109	32.926	18.106	23.659	23.659	28.020	23.730	1513.8	423.108	1.43	19.91
18.0	18.2	18.062	32.944	18.059	23.684	23.684	28.046	23.764	1513.7	420.761	1.42	-25.43
20.0	20.2	18.129	32.911	18.125	23.643	23.643	28.004	23.732	1513.8	424.749	1.41	27.20
22.0	22.2	18.082	32.958	18.079	23.690	23.691	28.052	23.788	1513.7	420.318	1.40	-25.51
24.0	24.2	18.087	32.905	18.083	23.648	23.649	28.010	23.755	1513.7	424.331	1.39	12.42
26.0	26.2	18.162	32.942	18.157	23.658	23.659	28.019	23.774	1514.0	423.459	1.38	16.96
28.0	28.2	18.120	32.952	18.115	23.676	23.677	28.038	23.801	1513.8	421.772	1.38	28.91
30.0	30.3	18.020	32.990	18.015	23.729	23.731	28.093	23.863	1513.6	416.757	1.37	98.29
35.0	35.3	13.743	33.739	13.738	25.266	25.267	29.688	25.424	1501.2	270.332	1.36	24.36
40.0	40.4	12.251	33.479	12.246	25.361	25.362	29.809	25.541	1495.9	261.379	1.34	31.98
45.0	45.4	11.499	33.508	11.494	25.524	25.525	29.985	25.727	1493.4	245.950	1.33	23.96
50.0	50.5	10.909	33.488	10.903	25.615	25.616	30.088	25.842	1491.3	237.321	1.31	20.84
60.0	60.5	10.036	33.472	10.029	25.753	25.755	30.243	26.027	1488.2	224.290	1.30	-10.59
70.0	70.6	9.696	33.354	9.689	25.718	25.719	30.215	26.037	1486.8	227.842	1.28	14.39
80.0	80.7	9.655	33.430	9.646	25.784	25.785	30.281	26.148	1486.8	221.759	1.26	5.26
90.0	90.8	9.455	33.399	9.446	25.792	25.794	30.294	26.203	1486.0	221.079	1.23	17.16
100.0	100.9	9.394	33.507	9.383	25.886	25.888	30.389	26.342	1486.0	212.345	1.21	10.43
120.0	121.1	9.497	33.617	9.484	25.956	25.958	30.456	26.503	1486.5	206.168	1.19	16.95
140.0	141.3	9.129	33.775	9.114	26.139	26.141	30.645	26.777	1485.4	189.085	1.15	13.26
160.0	161.5	8.962	33.884	8.945	26.251	26.253	30.760	26.981	1484.9	178.779	1.10	10.47
180.0	181.7	8.802	33.941	8.783	26.321	26.324	30.833	27.142	1484.5	172.468	1.07	8.97
200.0	201.9	8.342	33.916	8.321	26.372	26.375	30.894	27.286	1482.7	167.798	1.03	5.34
225.0	227.1	7.925	33.866	7.903	26.394	26.398	30.926	27.425	1481.1	165.896	1.00	6.49
250.0	252.4	7.493	33.829	7.469	26.428	26.431	30.968	27.574	1479.5	162.919	.95	7.91
275.0	277.6	7.587	33.909	7.560	26.478	26.482	31.016	27.738	1480.0	158.645	.91	8.09
300.0	302.9	7.483	33.957	7.454	26.530	26.534	31.071	27.905	1479.7	154.047	.87	4.84
325.0	328.2	7.213	33.932	7.182	26.548	26.553	31.095	28.039	1478.7	152.497	.83	4.82
350.0	353.4	6.956	33.910	6.924	26.567	26.571	31.119	28.174	1477.7	150.945	.79	6.97
375.0	378.7	6.753	33.924	6.718	26.605	26.610	31.162	28.328	1477.0	147.504	.75	9.40
400.0	404.0	6.264	33.932	6.228	26.675	26.680	31.243	28.517	1475.1	140.821	.72	-4.46
425.0	429.2	6.076	33.881	6.039	26.659	26.664	31.232	28.617	1474.3	142.479	.68	9.81
450.0	454.5	5.790	33.933	5.752	26.736	26.740	31.314	28.811	1473.3	135.305	.64	5.69
475.0	479.8	5.656	33.944	5.617	26.761	26.766	31.343	28.952	1472.8	133.042	.61	.86
500.0	505.1	5.423	33.909	5.382	26.761	26.766	31.349	29.070	1471.9	133.039	.57	8.50
525.0	530.3	5.185	33.947	5.143	26.819	26.824	31.412	29.245	1471.0	127.638	.54	5.48
550.0	555.6	5.047	33.957	5.003	26.843	26.848	31.439	29.385	1470.5	125.492	.51	-2.03
575.0	580.9	4.914	33.933	4.869	26.839	26.844	31.439	29.498	1470.0	125.901	.47	9.06
600.0	606.2	4.732	33.990	4.686	26.904	26.910	31.508	29.681	1469.3	119.773	.44	7.48
650.0	656.8	4.448	34.063	4.398	26.993	26.999	31.603	30.003	1468.3	111.490	.41	4.52
700.0	707.4	4.249	34.076	4.197	27.026	27.031	31.641	30.268	1467.6	108.601	.35	6.32
750.0	758.0	4.047	34.130	3.992	27.089	27.095	31.709	30.565	1466.9	102.755	.30	5.68
800.0	808.6	3.780	34.160	3.722	27.140	27.146	31.766	30.850	1465.9	97.903	.24	2.50
850.0	859.3	3.689	34.160	3.628	27.150	27.156	31.778	31.091	1465.6	97.198	.19	6.86
900.0	909.9	3.537	34.236	3.474	27.225	27.231	31.857	31.398	1465.2	90.276	.14	-3.42
950.0	960.6	3.411	34.196	3.344	27.205	27.212	31.841	31.612	1464.7	92.117	.09	5.01
1000.0	1011.3	3.274	34.230	3.204	27.245	27.252	31.884	31.884	1464.2	88.431	.00	10.65

## STATION 20

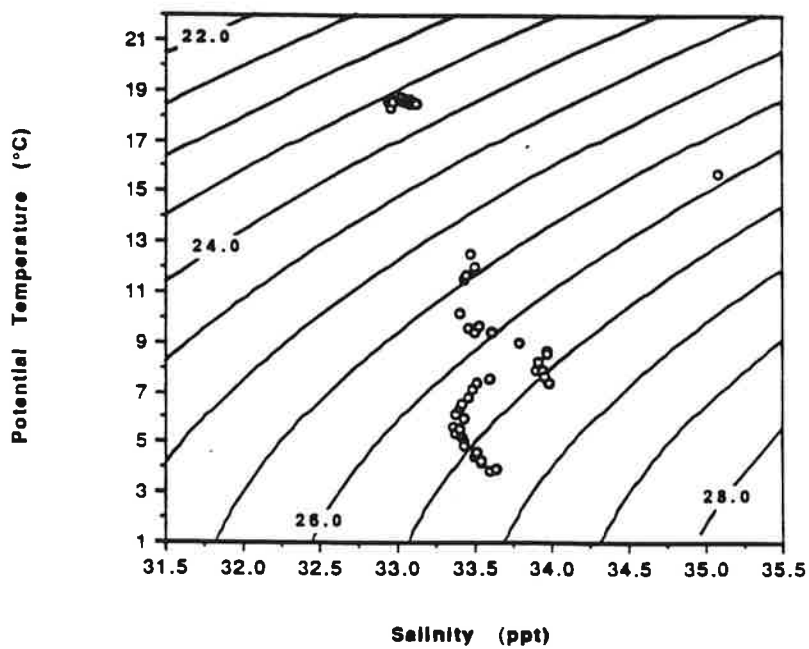
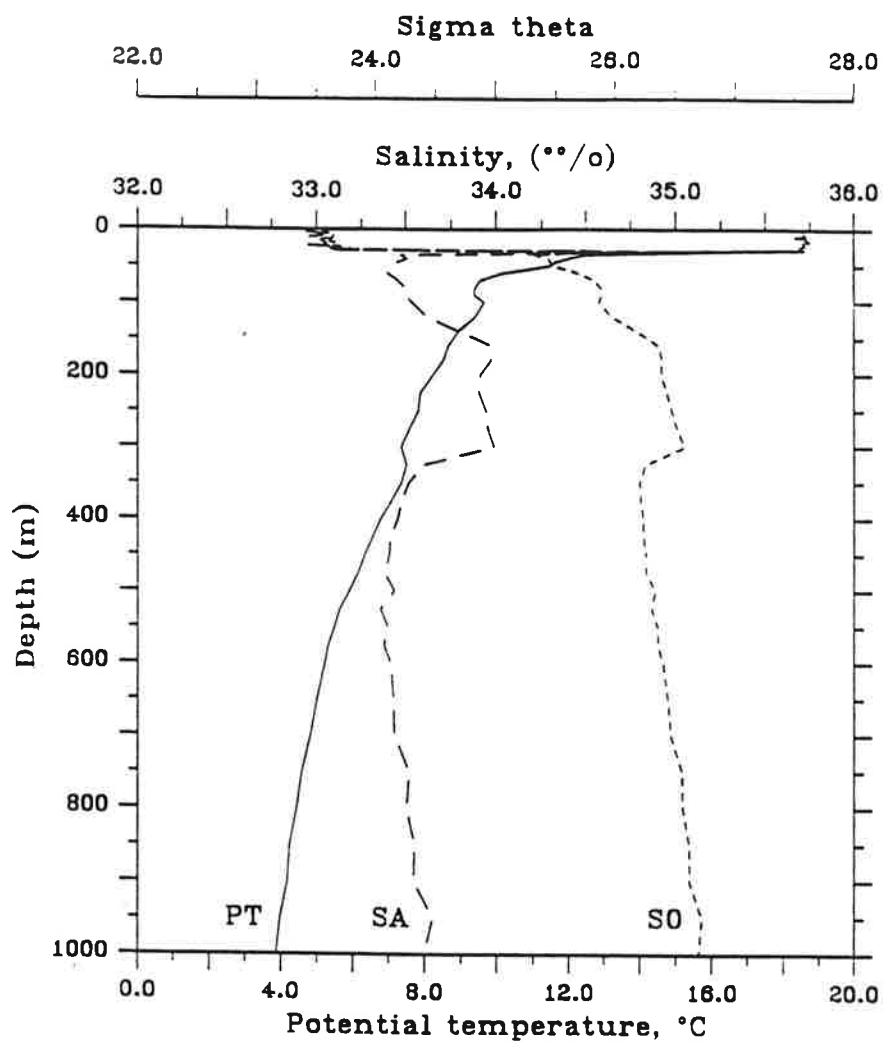


## STATION 21

LATITUDE: 41.9167 N LONGITUDE: 155.0833 W DATE: 7 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYMH	BVAI
.0	.0	18.576	32.944	18.576	23.557	23.557	27.911	23.557	1515.1	432.295	1.85	.00
2.0	2.0	18.576	32.944	18.576	23.557	23.557	27.912	23.566	1515.1	432.357	1.81	.39
4.0	4.0	18.576	32.944	18.576	23.557	23.557	27.912	23.575	1515.1	432.419	1.81	37.35
6.0	6.0	18.535	33.046	18.534	23.646	23.646	28.000	23.673	1515.1	426.012	1.80	6.41
8.0	8.1	18.646	33.086	18.645	23.649	23.649	28.001	23.684	1515.5	423.826	1.79	-15.53
10.0	10.1	18.312	32.958	18.310	23.633	23.634	27.991	23.678	1514.4	425.349	1.78	5.25
12.0	12.1	18.659	33.072	18.657	23.635	23.635	27.988	23.688	1515.5	425.249	1.77	-23.82
14.0	14.1	18.628	33.015	18.626	23.599	23.599	27.952	23.661	1515.4	428.756	1.76	-18.44
16.0	16.1	18.744	33.024	18.741	23.577	23.578	27.930	23.648	1515.7	430.887	1.75	35.26
18.0	18.1	18.529	33.058	18.526	23.656	23.657	28.011	23.736	1515.1	423.397	1.74	-32.46
20.0	20.1	18.544	32.975	18.541	23.589	23.590	27.945	23.678	1515.1	429.859	1.74	-23.10
22.0	22.1	18.616	32.954	18.612	23.555	23.556	27.910	23.653	1515.3	433.164	1.73	51.02
24.0	24.1	18.456	33.119	18.452	23.721	23.722	28.077	23.827	1515.0	417.419	1.72	-19.69
26.0	26.2	18.434	33.079	18.429	23.696	23.697	28.053	23.812	1514.9	419.834	1.71	-17.45
28.0	28.2	18.583	33.102	18.578	23.677	23.678	28.031	23.801	1515.4	421.751	1.70	185.70
30.0	30.2	15.735	35.081	15.730	25.871	25.872	30.254	26.005	1509.1	212.824	1.69	-59.13
35.0	35.2	12.467	33.471	12.463	25.313	25.314	29.758	25.471	1496.6	265.775	1.69	27.22
40.0	40.2	11.990	33.506	11.985	25.431	25.432	29.884	25.612	1495.1	254.642	1.67	10.96
45.0	45.3	11.653	33.450	11.647	25.451	25.451	29.910	25.654	1493.8	252.914	1.66	9.37
50.0	50.3	11.476	33.426	11.469	25.465	25.466	29.927	25.691	1493.2	251.682	1.65	25.78
60.0	60.4	10.150	33.398	10.143	25.676	25.677	30.164	25.949	1488.5	231.649	1.63	21.32
70.0	70.4	9.551	33.456	9.544	25.821	25.822	30.320	26.140	1486.4	218.018	1.61	13.35
80.0	80.5	9.405	33.498	9.396	25.878	25.879	30.379	26.243	1486.0	212.794	1.59	4.02
90.0	90.6	9.380	33.499	9.370	25.883	25.884	30.385	26.293	1485.9	212.489	1.57	-7.55
100.0	100.6	9.660	33.535	9.649	25.865	25.867	30.361	26.320	1487.0	214.452	1.54	12.88
120.0	120.8	9.405	33.616	9.392	25.970	25.972	30.472	26.517	1486.2	204.751	1.52	18.15
140.0	140.9	8.942	33.790	8.927	26.180	26.183	30.690	26.819	1484.7	185.102	1.48	16.88
160.0	161.0	8.677	33.969	8.660	26.362	26.365	30.876	27.093	1484.0	168.168	1.44	6.14
180.0	181.2	8.541	33.973	8.522	26.386	26.389	30.903	27.208	1483.5	166.205	1.40	-2.62
200.0	201.3	8.251	33.911	8.230	26.382	26.384	30.905	27.296	1482.4	166.861	1.37	7.59
225.0	226.5	7.904	33.904	7.881	26.427	26.430	30.958	27.458	1481.1	162.787	1.34	7.02
250.0	251.7	7.853	33.944	7.828	26.466	26.470	30.999	27.611	1481.0	159.460	1.29	7.40
275.0	276.8	7.613	33.955	7.586	26.510	26.514	31.048	27.770	1480.2	155.615	1.25	8.66
300.0	302.0	7.382	33.989	7.353	26.570	26.574	31.112	27.945	1479.4	150.229	1.21	-20.15
325.0	327.2	7.528	33.603	7.496	26.246	26.250	30.788	27.735	1479.5	181.295	1.17	-7.61
350.0	352.4	7.381	33.518	7.348	26.199	26.204	30.746	27.804	1478.8	185.933	1.13	3.23
375.0	377.6	7.103	33.479	7.068	26.207	26.212	30.760	27.929	1477.8	185.309	1.08	5.39
400.0	402.8	6.797	33.456	6.761	26.230	26.235	30.790	28.069	1476.6	183.232	1.04	-1.58
425.0	428.0	6.574	33.416	6.536	26.228	26.233	30.793	28.183	1475.7	183.567	.99	5.52
450.0	453.2	6.347	33.409	6.308	26.252	26.257	30.822	28.323	1474.8	181.397	.94	1.74
475.0	478.4	6.159	33.381	6.118	26.254	26.259	30.829	28.442	1474.1	181.301	.90	9.58
500.0	503.6	5.926	33.437	5.883	26.327	26.332	30.907	28.632	1473.3	174.471	.85	-6.07
525.0	528.8	5.655	33.358	5.612	26.297	26.302	30.884	28.720	1472.1	177.234	.80	8.04
550.0	554.0	5.500	33.399	5.455	26.348	26.354	30.939	28.888	1471.6	172.486	.76	1.85
575.0	579.2	5.328	33.377	5.281	26.351	26.356	30.945	29.007	1470.9	172.289	.71	7.23
600.0	604.4	5.234	33.415	5.185	26.393	26.398	30.989	29.164	1470.6	168.510	.67	4.89
650.0	654.9	5.013	33.431	4.962	26.430	26.436	31.032	29.435	1469.8	165.130	.63	3.88
700.0	705.3	4.831	33.436	4.777	26.454	26.460	31.060	29.691	1469.2	163.084	.54	7.57
750.0	755.8	4.593	33.518	4.535	26.545	26.551	31.157	30.014	1468.4	154.606	.46	1.93
800.0	806.3	4.438	33.504	4.378	26.551	26.557	31.166	30.253	1467.8	154.224	.38	5.85
850.0	856.7	4.249	33.547	4.185	26.605	26.611	31.225	30.539	1467.2	149.189	.30	1.07
900.0	907.2	4.181	33.540	4.114	26.607	26.613	31.229	30.772	1467.0	149.288	.22	8.06
950.0	957.8	3.979	33.644	3.909	26.710	26.717	31.336	31.108	1466.3	139.600	.15	-4.06
1000.0	1008.3	3.873	33.597	3.800	26.683	26.690	31.313	31.313	1465.9	142.192	.00	9.70

## STATION 21



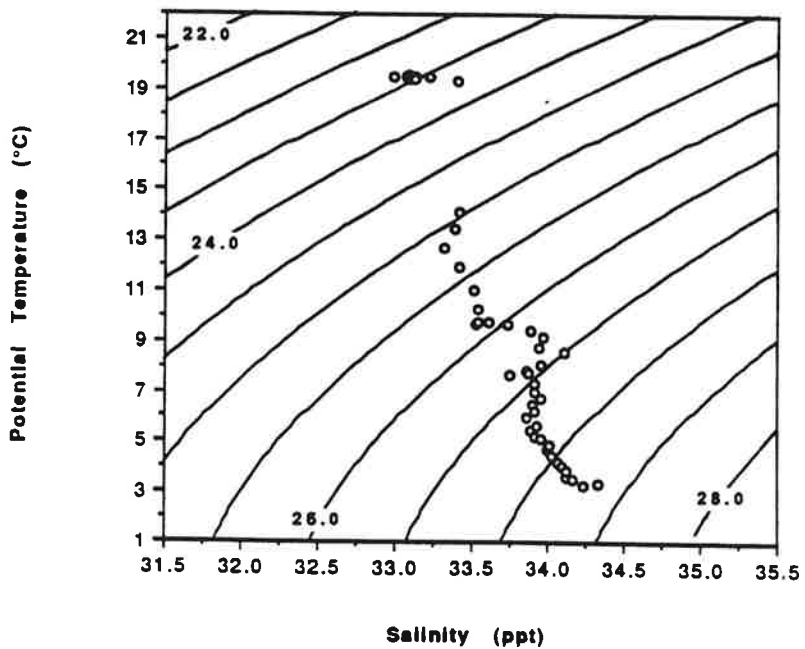
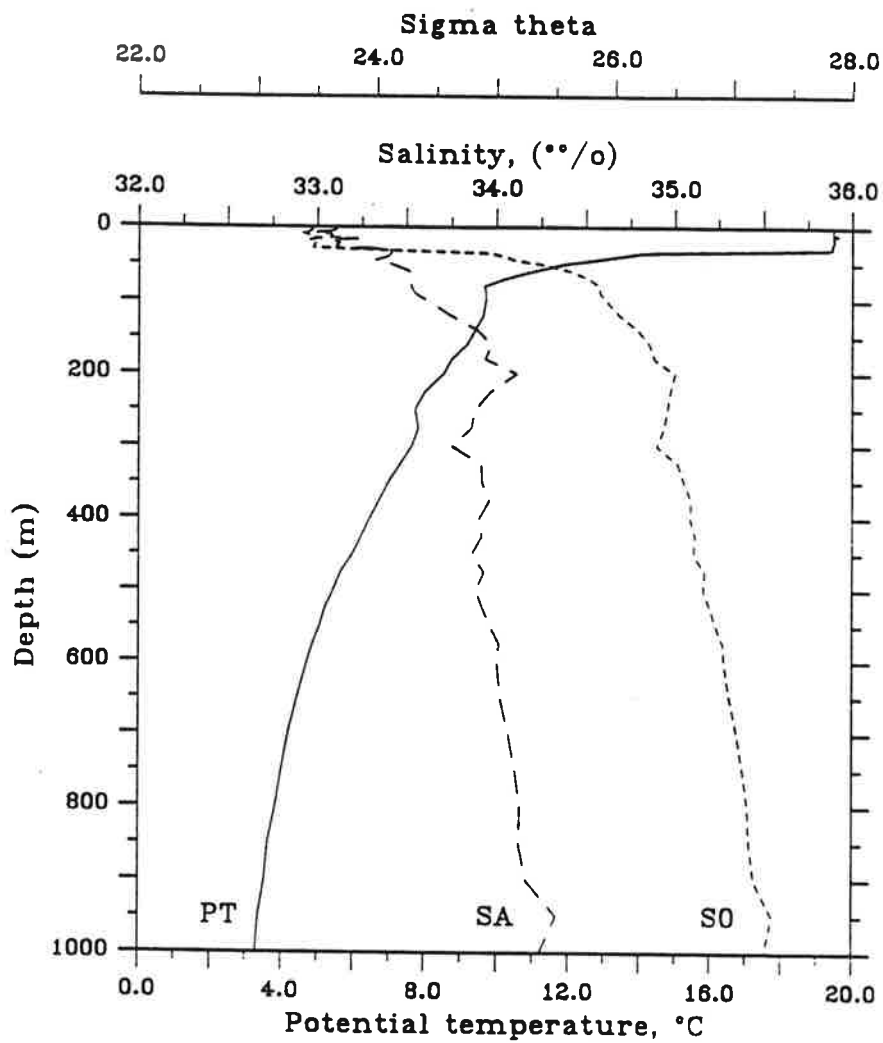
## STATION 23

LATITUDE: 41.4167 N LONGITUDE: 155.0111 W DATE: 7 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	19.470	33.106	19.470	23.456	23.456	27.797	23.456	1517.9	441.979	1.54	.00
2.0	2.0	19.470	33.106	19.470	23.456	23.456	27.798	23.465	1517.9	442.043	1.50	.39
4.0	4.0	19.470	33.106	19.470	23.456	23.456	27.798	23.473	1517.9	442.107	1.49	-17.63
6.0	6.0	19.445	33.071	19.444	23.436	23.436	27.779	23.462	1517.8	444.060	1.48	-33.85
8.0	8.1	19.457	32.980	19.456	23.363	23.363	27.706	23.399	1517.7	451.086	1.48	26.08
10.0	10.1	19.599	33.084	19.598	23.406	23.407	27.747	23.451	1518.2	447.022	1.47	22.95
12.0	12.1	19.451	33.079	19.449	23.440	23.440	27.782	23.493	1517.8	443.886	1.46	-10.28
14.0	14.1	19.451	33.069	19.448	23.433	23.434	27.776	23.495	1517.8	444.593	1.45	40.49
16.0	16.1	19.509	33.226	19.506	23.537	23.538	27.879	23.608	1518.1	434.704	1.44	-41.49
18.0	18.1	19.471	33.070	19.468	23.428	23.429	27.771	23.508	1517.9	445.222	1.43	22.20
20.0	20.1	19.498	33.120	19.494	23.459	23.460	27.801	23.548	1518.0	442.294	1.42	19.55
22.0	22.2	19.433	33.130	19.429	23.483	23.484	27.827	23.581	1517.8	440.037	1.41	-14.31
24.0	24.2	19.407	33.104	19.403	23.470	23.472	27.814	23.577	1517.7	441.343	1.40	-7.48
26.0	26.2	19.448	33.113	19.444	23.467	23.468	27.810	23.582	1517.8	441.749	1.39	-9.53
28.0	28.2	19.440	33.103	19.435	23.461	23.462	27.804	23.585	1517.8	442.365	1.38	64.83
30.0	30.2	19.299	33.406	19.293	23.729	23.730	28.072	23.861	1517.8	416.909	1.38	87.34
35.0	35.2	14.103	33.415	14.098	24.942	24.943	29.360	25.099	1502.0	301.214	1.37	27.90
40.0	40.3	13.411	33.392	13.406	25.066	25.067	29.495	25.246	1499.7	289.509	1.35	24.45
45.0	45.3	12.670	33.325	12.664	25.161	25.162	29.604	25.364	1497.2	280.521	1.33	36.51
50.0	50.4	11.906	33.411	11.900	25.373	25.374	29.829	25.599	1494.7	260.393	1.32	28.04
60.0	60.4	10.984	33.517	10.977	25.624	25.625	30.095	25.896	1491.6	236.715	1.31	21.48
70.0	70.5	10.247	33.540	10.239	25.771	25.772	30.256	26.089	1489.0	222.878	1.28	16.45
80.0	80.6	9.662	33.525	9.653	25.857	25.858	30.354	26.221	1486.9	214.813	1.26	5.55
90.0	90.6	9.700	33.545	9.690	25.867	25.868	30.362	26.277	1487.1	214.080	1.23	13.08
100.0	100.7	9.697	33.615	9.686	25.921	25.923	30.417	26.377	1487.2	209.097	1.21	13.15
120.0	120.9	9.630	33.742	9.617	26.031	26.034	30.528	26.578	1487.2	199.005	1.19	15.60
140.0	141.0	9.406	33.893	9.390	26.187	26.189	30.687	26.824	1486.6	184.617	1.15	12.30
160.0	161.2	9.186	33.971	9.169	26.283	26.286	30.787	27.013	1485.9	175.796	1.11	8.12
180.0	181.3	8.757	33.938	8.738	26.325	26.328	30.838	27.147	1484.3	172.044	1.07	16.37
200.0	201.5	8.537	34.113	8.516	26.496	26.499	31.013	27.410	1483.7	156.137	1.04	-6.94
225.0	226.7	8.025	33.965	8.002	26.457	26.461	30.986	27.487	1481.6	159.995	1.00	-5.62
250.0	251.9	7.744	33.880	7.719	26.432	26.435	30.967	27.577	1480.5	162.659	.96	-5.96
275.0	277.1	7.836	33.861	7.809	26.404	26.408	30.937	27.663	1480.9	165.782	.92	-8.60
300.0	302.3	7.655	33.752	7.626	26.344	26.349	30.883	27.719	1480.1	171.649	.88	14.86
325.0	327.5	7.320	33.916	7.289	26.520	26.525	31.065	28.011	1479.1	155.210	.84	7.90
350.0	352.7	6.987	33.920	6.955	26.570	26.574	31.122	28.177	1477.8	150.665	.80	9.10
375.0	377.9	6.731	33.959	6.697	26.636	26.640	31.193	28.359	1476.9	144.610	.76	-3.45
400.0	403.1	6.473	33.904	6.437	26.626	26.631	31.190	28.466	1475.9	145.647	.72	7.30
425.0	428.4	6.230	33.917	6.193	26.668	26.673	31.237	28.625	1475.0	141.772	.68	-4.09
450.0	453.6	5.997	33.863	5.959	26.654	26.659	31.229	28.728	1474.0	143.139	.65	10.94
475.0	478.8	5.657	33.930	5.617	26.750	26.754	31.332	28.941	1472.8	134.132	.61	-3.88
500.0	504.1	5.458	33.884	5.417	26.737	26.742	31.324	29.045	1472.0	135.352	.57	8.55
525.0	529.3	5.219	33.922	5.176	26.795	26.800	31.388	29.221	1471.1	129.888	.54	7.84
550.0	554.5	5.077	33.963	5.033	26.844	26.849	31.440	29.386	1470.6	125.390	.51	8.93
575.0	579.8	4.878	34.014	4.833	26.908	26.913	31.507	29.567	1469.9	119.436	.47	3.28
600.0	605.0	4.719	34.002	4.672	26.916	26.921	31.520	29.692	1469.3	118.681	.44	5.34
650.0	655.5	4.445	34.021	4.396	26.961	26.966	31.571	29.971	1468.3	114.520	.41	6.25
700.0	706.0	4.195	34.066	4.144	27.023	27.028	31.639	30.266	1467.4	108.754	.35	5.57
750.0	756.5	4.009	34.104	3.954	27.072	27.078	31.693	30.548	1466.7	104.249	.30	4.99
800.0	807.0	3.839	34.132	3.781	27.112	27.118	31.737	30.821	1466.1	100.651	.24	3.15
850.0	857.6	3.626	34.124	3.566	27.127	27.133	31.757	31.070	1465.3	99.174	.19	5.02
900.0	908.1	3.542	34.164	3.478	27.167	27.173	31.800	31.342	1465.1	95.625	.14	9.75
950.0	958.7	3.369	34.334	3.303	27.319	27.325	31.955	31.726	1464.7	81.469	.09	-6.50
1000.0	1009.2	3.295	34.240	3.226	27.251	27.258	31.890	31.890	1464.3	87.943	.00	10.78



STATION 23

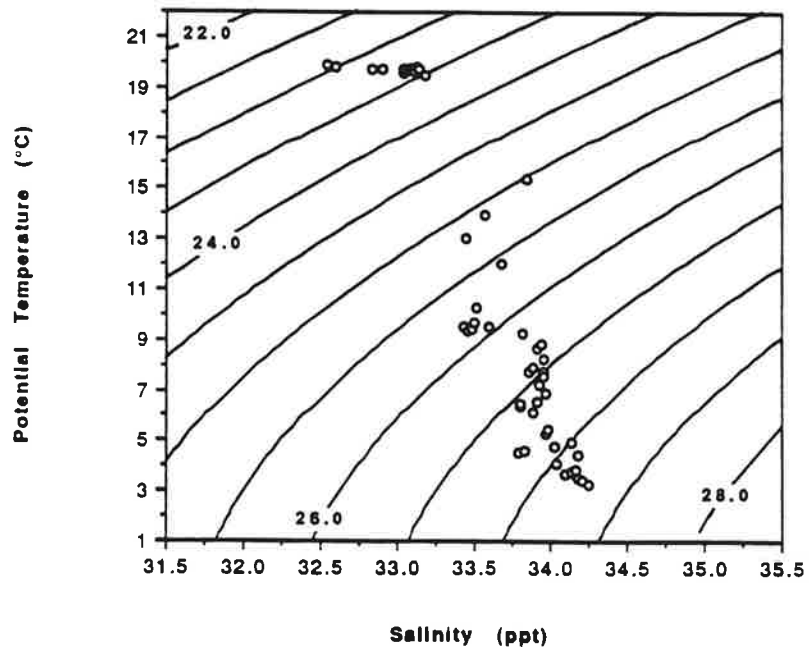
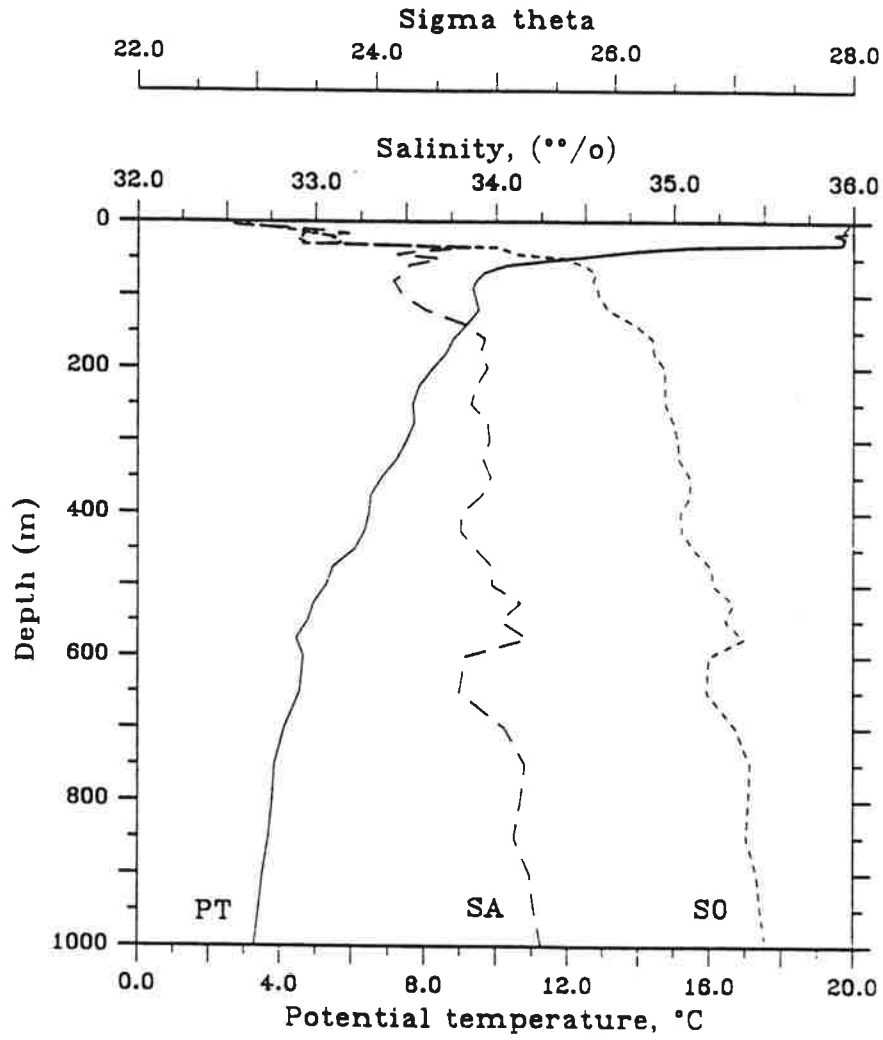


## STATION 24

LATITUDE: 41.1667 N LONGITUDE: 155.0042 W DATE: 7 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIGZ	SOUND	AVOL	DYNH	BVA1
.0	.0	19.860	32.539	19.860	22.923	22.923	27.263	22.923	1518.3	492.858	1.54	.00
2.0	2.0	19.860	32.539	19.860	22.923	22.923	27.263	22.932	1518.3	492.921	1.51	.39
4.0	4.0	19.860	32.539	19.859	22.923	22.923	27.263	22.941	1518.3	492.985	1.50	27.86
6.0	6.1	19.843	32.598	19.842	22.972	22.973	27.313	22.999	1518.3	488.334	1.49	55.05
8.0	8.1	19.774	32.827	19.772	23.165	23.166	27.505	23.201	1518.4	469.985	1.48	31.78
10.0	10.1	19.740	32.900	19.738	23.229	23.230	27.569	23.274	1518.4	463.913	1.47	41.06
12.0	12.1	19.732	33.038	19.729	23.337	23.337	27.676	23.390	1518.5	453.736	1.46	26.18
14.0	14.1	19.812	33.122	19.809	23.380	23.381	27.718	23.442	1518.9	449.639	1.45	46.03
16.0	16.1	19.481	33.187	19.478	23.515	23.516	27.857	23.586	1518.0	436.833	1.44	-45.85
18.0	18.1	19.552	33.036	19.549	23.381	23.382	27.723	23.461	1518.0	449.664	1.43	-8.44
20.0	20.2	19.765	33.102	19.762	23.377	23.378	27.716	23.465	1518.7	450.167	1.42	21.74
22.0	22.2	19.688	33.115	19.684	23.407	23.408	27.747	23.504	1518.5	447.360	1.41	-28.62
24.0	24.2	19.759	33.071	19.754	23.355	23.356	27.694	23.461	1518.7	452.401	1.40	20.03
26.0	26.2	19.691	33.081	19.687	23.380	23.381	27.721	23.495	1518.5	450.027	1.39	24.85
28.0	28.2	19.722	33.143	19.717	23.420	23.421	27.759	23.543	1518.7	446.345	1.38	-25.46
30.0	30.3	19.631	33.058	19.625	23.378	23.380	27.720	23.511	1518.3	450.341	1.37	101.05
35.0	35.3	15.396	33.854	15.391	25.002	25.003	29.397	25.159	1506.6	295.554	1.37	24.29
40.0	40.3	13.953	33.574	13.947	25.096	25.097	29.516	25.276	1501.7	286.668	1.35	24.49
45.0	45.4	13.004	33.449	12.998	25.191	25.193	29.628	25.394	1498.4	277.648	1.33	48.28
50.0	50.4	12.030	33.685	12.023	25.563	25.564	30.014	25.789	1495.4	242.390	1.32	24.14
60.0	60.5	10.264	33.515	10.257	25.748	25.750	30.233	26.021	1489.1	224.799	1.30	17.08
70.0	70.6	9.664	33.505	9.656	25.841	25.843	30.338	26.160	1486.9	216.095	1.28	-9.09
80.0	80.7	9.461	33.429	9.452	25.815	25.816	30.316	26.180	1486.1	218.755	1.26	10.81
90.0	90.8	9.353	33.454	9.343	25.852	25.854	30.355	26.263	1485.7	215.391	1.24	6.08
100.0	100.9	9.410	33.481	9.399	25.864	25.866	30.366	26.320	1486.0	214.470	1.21	11.07
120.0	121.0	9.515	33.603	9.502	25.942	25.944	30.442	26.489	1486.6	207.461	1.19	18.80
140.0	141.2	9.193	33.825	9.177	26.167	26.170	30.672	26.806	1485.7	186.396	1.15	15.31
160.0	161.4	8.814	33.939	8.797	26.317	26.319	30.828	27.047	1484.5	172.501	1.11	4.09
180.0	181.6	8.608	33.911	8.589	26.327	26.330	30.844	27.149	1483.7	171.785	1.07	11.78
200.0	201.8	8.241	33.953	8.221	26.416	26.419	30.939	27.330	1482.4	163.622	1.04	2.94
225.0	227.0	7.855	33.888	7.833	26.422	26.426	30.955	27.453	1480.9	163.229	1.00	2.11
250.0	252.2	7.689	33.862	7.664	26.426	26.429	30.962	27.571	1480.3	163.216	.96	9.08
275.0	277.5	7.731	33.953	7.704	26.492	26.495	31.027	27.751	1480.6	157.423	.92	7.02
300.0	302.7	7.522	33.965	7.493	26.531	26.535	31.071	27.906	1479.9	153.985	.88	3.33
325.0	327.9	7.251	33.927	7.220	26.539	26.544	31.086	28.030	1478.8	153.370	.84	10.63
350.0	353.2	6.842	33.970	6.810	26.629	26.633	31.184	28.237	1477.3	144.955	.80	2.40
375.0	378.4	6.529	33.923	6.496	26.633	26.638	31.195	28.358	1476.1	144.646	.76	-10.06
400.0	403.7	6.481	33.812	6.445	26.553	26.557	31.117	28.393	1475.8	152.551	.72	3.48
425.0	429.0	6.361	33.805	6.324	26.562	26.567	31.129	28.518	1475.4	151.870	.69	11.18
450.0	454.2	6.093	33.887	6.054	26.662	26.667	31.234	28.734	1474.4	142.555	.65	13.73
475.0	479.5	5.488	33.982	5.449	26.812	26.816	31.397	29.004	1472.2	128.132	.61	4.82
500.0	504.7	5.306	33.978	5.266	26.830	26.835	31.420	29.139	1471.5	126.487	.58	14.50
525.0	530.0	4.951	34.138	4.910	26.997	27.002	31.594	29.425	1470.3	110.615	.54	-9.38
550.0	555.3	4.784	34.025	4.741	26.927	26.931	31.528	29.472	1469.5	117.281	.51	14.08
575.0	580.5	4.457	34.178	4.413	27.084	27.089	31.692	29.748	1468.4	102.285	.48	-19.27
600.0	605.8	4.651	33.831	4.605	26.788	26.793	31.394	29.566	1468.8	130.597	.46	-3.27
650.0	656.4	4.554	33.796	4.504	26.771	26.776	31.380	29.780	1468.4	132.532	.43	12.41
700.0	707.0	4.133	34.049	4.081	27.016	27.021	31.633	30.260	1467.1	109.337	.36	8.60
750.0	757.5	3.862	34.162	3.808	27.133	27.139	31.757	30.612	1466.2	98.275	.30	-2.83
800.0	808.1	3.795	34.137	3.737	27.120	27.126	31.746	30.830	1466.0	99.757	.24	-3.49
850.0	858.7	3.696	34.100	3.635	27.101	27.107	31.730	31.043	1465.6	101.788	.19	7.30
900.0	909.3	3.526	34.185	3.462	27.185	27.192	31.818	31.360	1465.1	93.882	.14	4.42
950.0	960.0	3.412	34.210	3.345	27.216	27.223	31.852	31.623	1464.7	91.097	.09	5.28
1000.0	1010.6	3.290	34.251	3.220	27.261	27.267	31.899	31.899	1464.3	87.036	.00	10.94

STATION 24

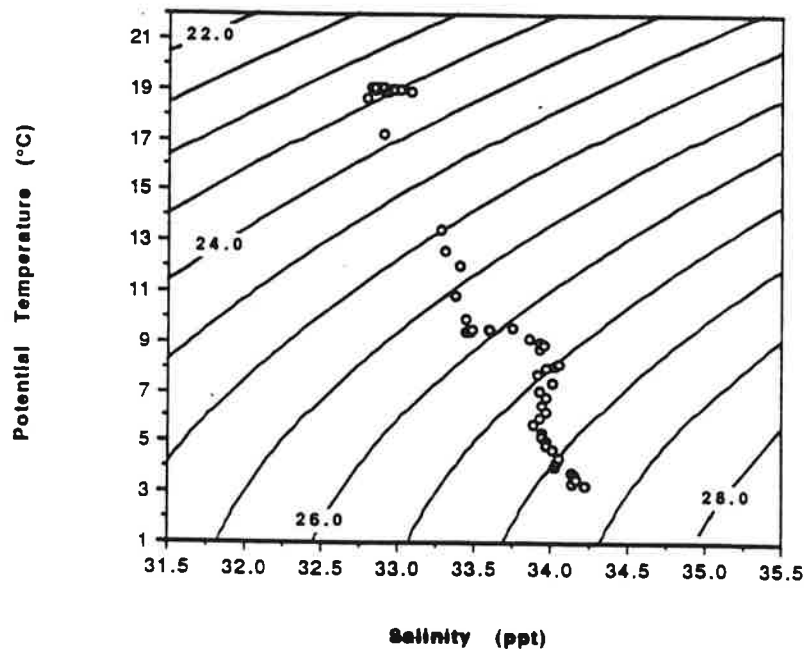
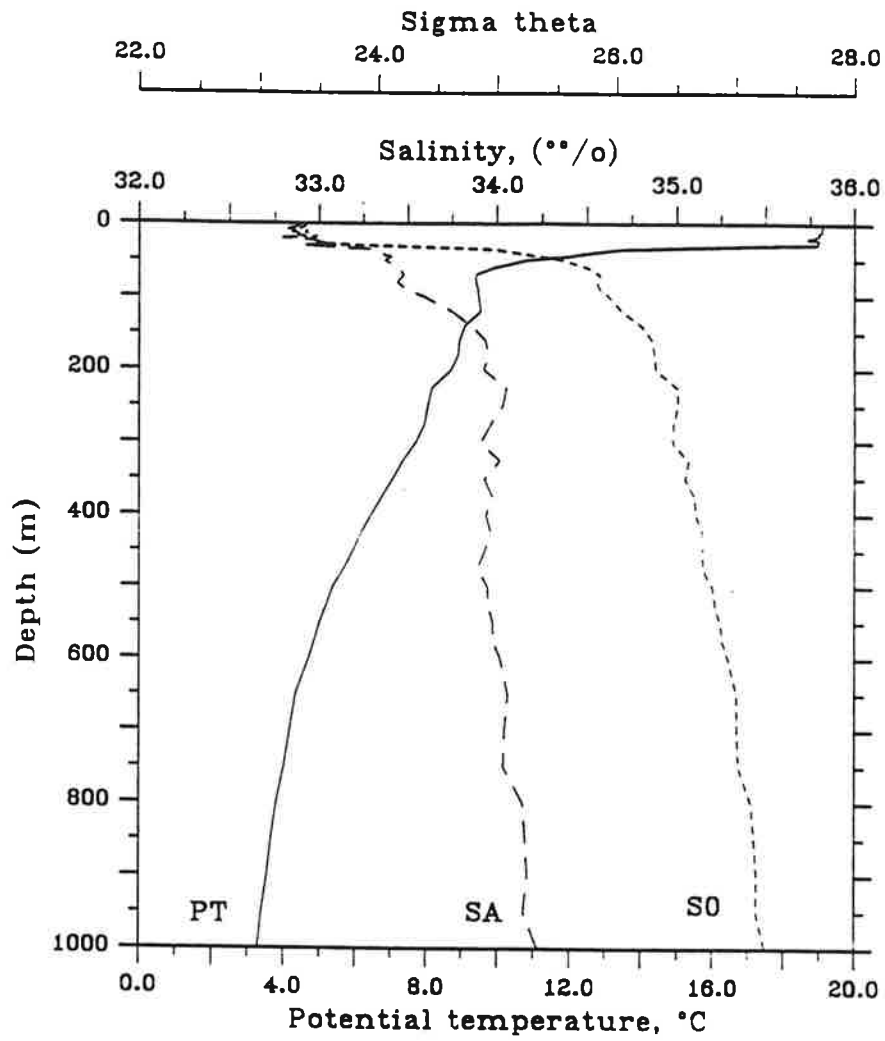


## STATION 25

LATITUDE: 40.9192 N LONGITUDE: 155.0500 W DATE: 7 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	19.087	32.888	19.087	23.387	23.387	27.735	23.387	1516.5	448.556	1.53	.00
2.0	2.0	19.087	32.888	19.087	23.387	23.387	27.735	23.396	1516.5	448.619	1.49	.39
4.0	4.0	19.087	32.888	19.086	23.387	23.387	27.735	23.405	1516.5	448.681	1.49	-21.22
6.0	6.1	19.074	32.846	19.073	23.358	23.358	27.707	23.385	1516.5	451.480	1.48	-17.79
8.0	8.1	19.083	32.823	19.082	23.338	23.338	27.687	23.374	1516.5	453.465	1.47	31.63
10.0	10.1	19.084	32.907	19.083	23.402	23.402	27.750	23.446	1516.6	447.453	1.46	-17.92
12.0	12.1	18.973	32.843	18.971	23.381	23.382	27.732	23.434	1516.2	449.465	1.45	19.87
14.0	14.1	19.010	32.888	19.008	23.406	23.407	27.756	23.468	1516.3	447.132	1.44	11.34
16.0	16.2	18.960	32.882	18.957	23.414	23.415	27.765	23.486	1516.2	446.413	1.43	31.72
18.0	18.2	18.872	32.937	18.869	23.479	23.479	27.830	23.558	1516.0	440.363	1.42	-30.18
20.0	20.2	18.673	32.796	18.670	23.420	23.421	27.775	23.509	1515.3	445.951	1.41	25.75
22.0	22.2	18.996	32.957	18.992	23.463	23.464	27.812	23.560	1516.4	441.995	1.40	18.01
24.0	24.2	18.963	32.973	18.959	23.483	23.485	27.834	23.590	1516.3	440.088	1.39	20.43
26.0	26.3	18.970	33.010	18.965	23.510	23.511	27.860	23.625	1516.4	437.618	1.39	32.42
28.0	28.3	18.921	33.082	18.916	23.577	23.578	27.927	23.701	1516.3	431.300	1.38	66.13
30.0	30.3	17.232	32.907	17.227	23.855	23.856	28.229	23.989	1511.2	404.757	1.37	83.67
35.0	35.3	13.470	33.282	13.465	24.969	24.970	29.398	25.126	1499.8	298.607	1.36	34.97
40.0	40.4	12.605	33.312	12.599	25.164	25.165	29.607	25.344	1496.9	280.146	1.34	34.95
45.0	45.4	11.964	33.406	11.958	25.358	25.359	29.812	25.562	1494.9	261.711	1.33	33.97
50.0	50.5	10.804	33.371	10.798	25.542	25.543	30.017	25.769	1490.8	244.247	1.31	25.42
60.0	60.6	9.929	33.442	9.922	25.748	25.749	30.239	26.021	1487.8	226.801	1.30	18.65
70.0	70.7	9.417	33.476	9.409	25.859	25.860	30.360	26.178	1486.0	214.406	1.28	-9.93
80.0	80.8	9.427	33.438	9.418	25.827	25.829	30.329	26.192	1486.0	217.578	1.25	10.16
90.0	90.9	9.476	33.490	9.466	25.860	25.862	30.361	26.271	1486.2	214.649	1.23	15.37
100.0	101.0	9.495	33.591	9.484	25.935	25.937	30.435	26.391	1486.4	207.691	1.21	13.16
120.0	121.2	9.558	33.745	9.545	26.046	26.048	30.544	26.593	1486.9	197.605	1.19	15.97
140.0	141.4	9.109	33.860	9.094	26.208	26.211	30.714	26.847	1485.4	182.668	1.15	11.51
160.0	161.6	8.956	33.937	8.939	26.293	26.296	30.802	27.023	1485.0	174.794	1.11	5.52
180.0	181.8	8.919	33.954	8.900	26.312	26.315	30.822	27.134	1484.9	173.306	1.07	3.99
200.0	202.0	8.720	33.927	8.699	26.322	26.326	30.837	27.236	1484.2	172.635	1.04	15.08
225.0	227.3	8.174	34.052	8.152	26.503	26.507	31.028	27.533	1482.3	155.697	1.00	1.15
250.0	252.6	8.059	34.031	8.034	26.504	26.508	31.032	27.648	1481.9	155.969	.96	-6.89
275.0	277.9	7.969	33.966	7.942	26.467	26.471	30.997	27.725	1481.5	159.917	.92	-2.91
300.0	303.1	7.719	33.911	7.690	26.460	26.464	30.996	27.833	1480.5	160.825	.88	12.95
325.0	328.4	7.359	34.015	7.328	26.593	26.597	31.136	28.083	1479.3	148.376	.84	-5.75
350.0	353.7	7.076	33.931	7.044	26.566	26.571	31.117	28.173	1478.2	151.050	.80	9.90
375.0	379.0	6.763	33.976	6.729	26.644	26.649	31.201	28.367	1477.1	143.811	.76	3.94
400.0	404.3	6.463	33.941	6.427	26.656	26.661	31.220	28.496	1475.9	142.757	.72	8.43
425.0	429.6	6.186	33.967	6.148	26.713	26.718	31.283	28.670	1474.9	137.520	.69	1.49
450.0	454.9	5.955	33.932	5.916	26.714	26.719	31.289	28.788	1473.9	137.465	.65	.95
475.0	480.2	5.696	33.892	5.656	26.715	26.720	31.296	28.906	1472.9	137.454	.61	10.19
500.0	505.5	5.387	33.949	5.346	26.797	26.802	31.385	29.106	1471.8	129.640	.58	5.38
525.0	530.8	5.207	33.951	5.164	26.820	26.825	31.413	29.246	1471.1	127.555	.55	7.40
550.0	556.1	5.014	33.978	4.970	26.864	26.868	31.460	29.406	1470.4	123.499	.51	4.71
575.0	581.4	4.862	33.978	4.817	26.881	26.886	31.481	29.540	1469.8	121.916	.48	7.80
600.0	606.7	4.710	34.018	4.664	26.929	26.934	31.533	29.705	1469.3	117.423	.45	6.74
650.0	657.3	4.348	34.059	4.300	27.001	27.006	31.613	30.012	1467.9	110.615	.42	1.62
700.0	708.0	4.178	34.041	4.127	27.005	27.010	31.622	30.249	1467.3	110.418	.36	2.72
750.0	758.6	4.017	34.035	3.962	27.017	27.022	31.638	30.493	1466.7	109.482	.30	8.22
800.0	809.3	3.794	34.141	3.737	27.124	27.130	31.750	30.833	1466.0	99.426	.25	4.06
850.0	860.0	3.650	34.156	3.589	27.150	27.156	31.779	31.092	1465.5	97.095	.19	3.59
900.0	910.7	3.537	34.167	3.473	27.170	27.176	31.803	31.345	1465.1	95.334	.14	-1.32
950.0	961.4	3.385	34.145	3.319	27.167	27.173	31.804	31.575	1464.5	95.641	.10	6.77
1000.0	1012.1	3.279	34.224	3.209	27.240	27.247	31.879	31.879	1464.2	88.929	.00	11.65

STATION 25

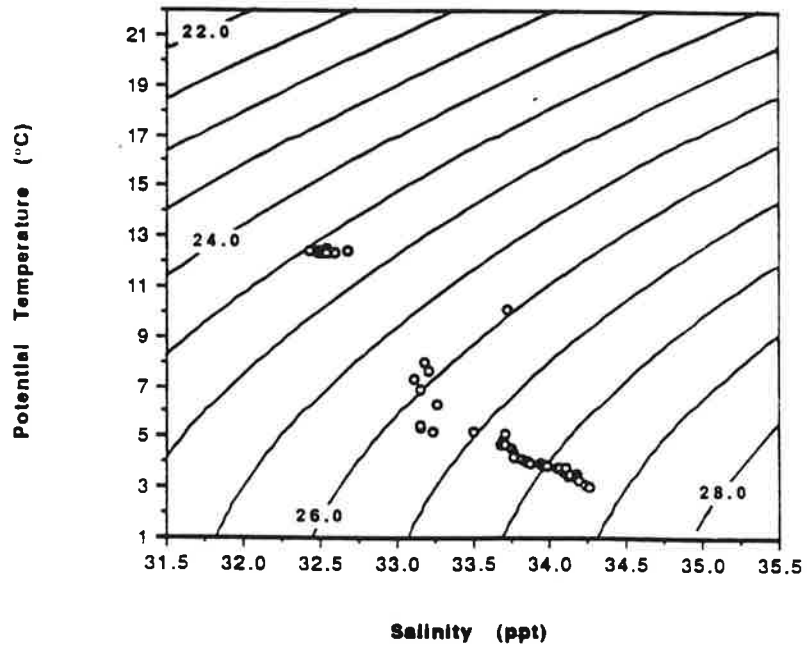
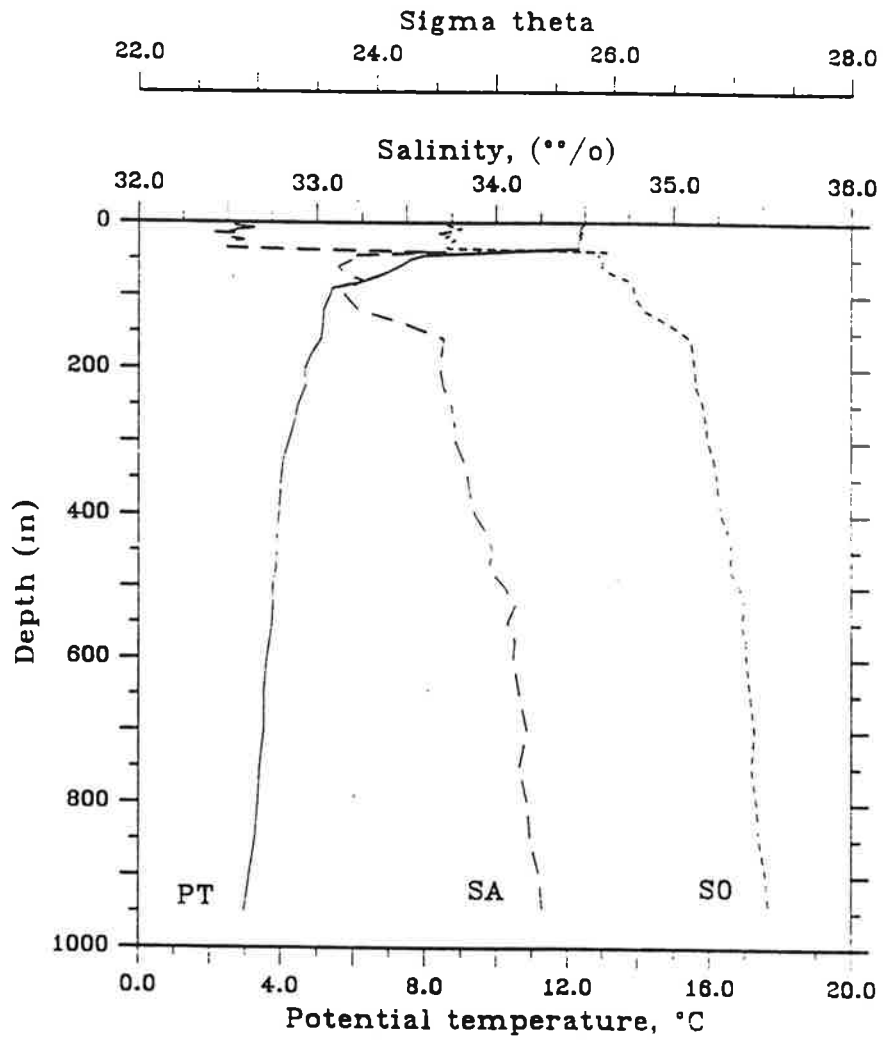


## STATION 67

LATITUDE: 46.0306 N LONGITUDE: 161.0253 W DATE: 12 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIGZ	SCUND	AVOL	DYMH	BVA1
.0	.0	12.468	32.540	12.468	24.591	24.591	29.041	24.591	1495.5	333.676	1.24	.00
2.0	2.0	12.468	32.540	12.467	24.591	24.591	29.041	24.600	1495.5	333.721	1.22	.28
4.0	4.0	12.468	32.540	12.467	24.591	24.592	29.041	24.610	1495.5	333.766	1.21	30.75
6.0	6.1	12.362	32.592	12.362	24.652	24.652	29.103	24.679	1495.2	328.073	1.20	30.44
8.0	8.1	12.403	32.678	12.402	24.711	24.711	29.161	24.747	1495.4	322.497	1.20	-39.32
10.0	10.1	12.377	32.544	12.375	24.612	24.612	29.064	24.657	1495.2	331.919	1.19	8.14
12.0	12.1	12.360	32.546	12.359	24.617	24.617	29.068	24.671	1495.1	331.561	1.18	-40.99
14.0	14.1	12.444	32.428	12.442	24.509	24.510	28.961	24.573	1495.3	341.803	1.18	41.59
16.0	16.2	12.324	32.541	12.322	24.619	24.620	29.072	24.692	1495.0	331.352	1.17	-16.41
18.0	18.2	12.356	32.527	12.354	24.602	24.603	29.055	24.684	1495.1	333.030	1.16	-24.38
20.0	20.2	12.414	32.492	12.411	24.565	24.565	29.016	24.655	1495.3	336.683	1.15	28.06
22.0	22.2	12.353	32.542	12.351	24.615	24.615	29.067	24.714	1495.1	331.950	1.15	25.44
24.0	24.2	12.340	32.592	12.337	24.656	24.656	29.108	24.764	1495.1	328.068	1.14	-23.18
26.0	26.3	12.314	32.541	12.310	24.622	24.622	29.075	24.739	1495.0	331.370	1.13	-19.35
28.0	28.3	12.304	32.508	12.300	24.598	24.598	29.052	24.725	1494.9	333.686	1.13	-18.66
30.0	30.3	12.328	32.486	12.324	24.576	24.576	29.029	24.711	1495.0	335.844	1.12	8.30
35.0	35.3	12.328	32.500	12.324	24.587	24.587	29.040	24.745	1495.0	334.910	1.11	92.23
40.0	40.4	10.057	33.717	10.052	25.941	25.942	30.428	26.123	1488.5	206.089	1.10	-23.79
45.0	45.5	7.974	33.182	7.969	25.851	25.851	30.382	26.057	1480.2	214.580	1.08	20.25
50.0	50.5	7.634	33.203	7.629	25.916	25.917	30.455	26.146	1478.9	208.415	1.07	-8.29
60.0	60.6	7.286	33.113	7.280	25.894	25.895	30.441	26.170	1477.5	210.606	1.06	16.82
70.0	70.7	6.864	33.155	6.858	25.984	25.985	30.540	26.307	1475.9	202.128	1.04	21.98
80.0	80.8	6.332	33.262	6.325	26.138	26.139	30.705	26.508	1474.0	187.565	1.02	9.46
90.0	90.9	5.415	33.156	5.408	26.166	26.167	30.755	26.584	1470.2	184.811	1.00	4.05
100.0	101.0	5.355	33.154	5.347	26.172	26.173	30.762	26.636	1470.0	184.405	.98	11.28
120.0	121.2	5.183	33.231	5.174	26.253	26.254	30.846	26.810	1469.4	176.879	.96	18.39
140.0	141.5	5.164	33.501	5.153	26.468	26.470	31.060	27.118	1469.7	156.652	.92	16.28
160.0	161.7	5.114	33.707	5.102	26.638	26.639	31.230	27.380	1469.8	140.839	.89	5.44
180.0	181.9	4.857	33.694	4.843	26.656	26.658	31.255	27.492	1468.8	139.160	.86	4.42
200.0	202.1	4.682	33.686	4.668	26.669	26.670	31.271	27.598	1468.1	138.104	.83	3.98
225.0	227.4	4.692	33.703	4.675	26.681	26.683	31.284	27.727	1468.2	137.154	.80	8.55
250.0	252.7	4.486	33.748	4.468	26.739	26.742	31.347	27.902	1467.4	131.771	.77	5.55
275.0	277.9	4.382	33.765	4.362	26.764	26.766	31.374	28.043	1467.1	129.621	.73	5.10
300.0	303.2	4.230	33.771	4.209	26.785	26.787	31.398	28.181	1466.5	127.787	.70	7.95
325.0	328.5	4.079	33.814	4.056	26.835	26.837	31.452	28.348	1466.0	123.135	.67	5.85
350.0	353.8	4.022	33.841	3.997	26.862	26.865	31.481	28.492	1465.8	120.727	.64	4.13
375.0	379.1	3.998	33.855	3.972	26.876	26.878	31.495	28.621	1465.7	119.631	.60	5.51
400.0	404.4	3.962	33.881	3.934	26.900	26.903	31.520	28.761	1465.7	117.520	.57	8.45
425.0	429.7	3.913	33.946	3.884	26.957	26.960	31.578	28.934	1465.6	112.311	.54	6.06
450.0	455.0	3.896	33.981	3.865	26.986	26.989	31.608	29.080	1465.6	109.742	.51	-4.40
475.0	480.3	3.876	33.959	3.843	26.971	26.974	31.593	29.180	1465.5	111.372	.49	10.09
500.0	505.6	3.784	34.049	3.750	27.052	27.055	31.676	29.378	1465.3	103.832	.46	7.84
525.0	530.9	3.793	34.112	3.757	27.101	27.104	31.724	29.542	1465.5	99.430	.43	-6.47
550.0	556.2	3.768	34.067	3.730	27.067	27.071	31.692	29.625	1465.3	102.736	.40	7.04
575.0	581.5	3.701	34.108	3.662	27.107	27.111	31.733	29.781	1465.2	99.136	.38	1.18
600.0	606.8	3.621	34.099	3.580	27.108	27.112	31.736	29.898	1464.9	99.118	.35	4.64
650.0	657.5	3.537	34.132	3.493	27.142	27.146	31.773	30.165	1464.6	96.154	.33	4.58
700.0	708.1	3.539	34.174	3.491	27.176	27.180	31.806	30.429	1464.8	93.385	.28	-3.70
750.0	758.8	3.416	34.132	3.365	27.153	27.158	31.788	30.640	1464.3	95.597	.23	5.08
800.0	809.5	3.362	34.177	3.307	27.194	27.200	31.830	30.912	1464.2	92.002	.18	3.57
850.0	860.2	3.276	34.192	3.217	27.215	27.220	31.853	31.164	1463.9	90.282	.13	5.89
900.0	910.9	3.117	34.242	3.057	27.270	27.275	31.912	31.452	1463.4	85.143	.09	4.05
950.0	961.6	2.977	34.259	2.914	27.295	27.301	31.941	31.712	1462.9	82.728	.00	11.37

## STATION 67



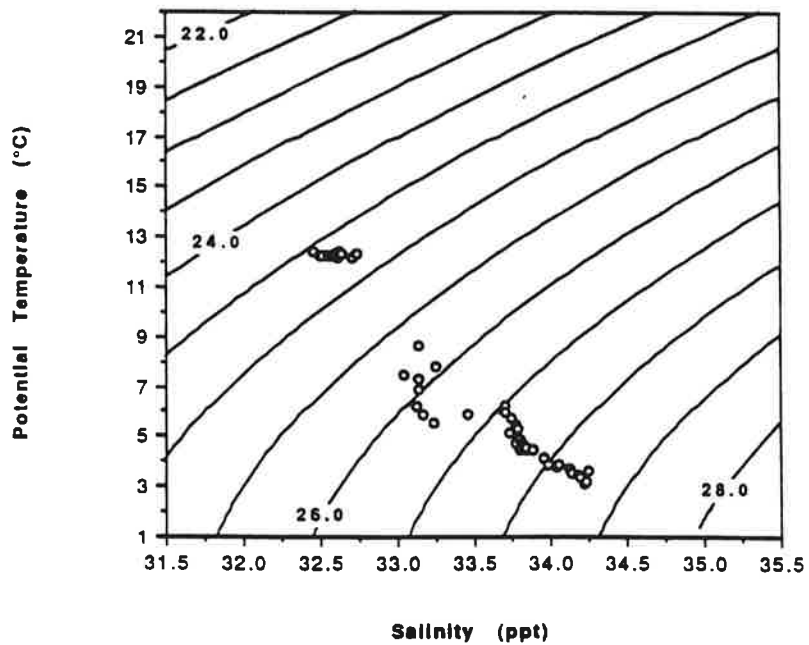
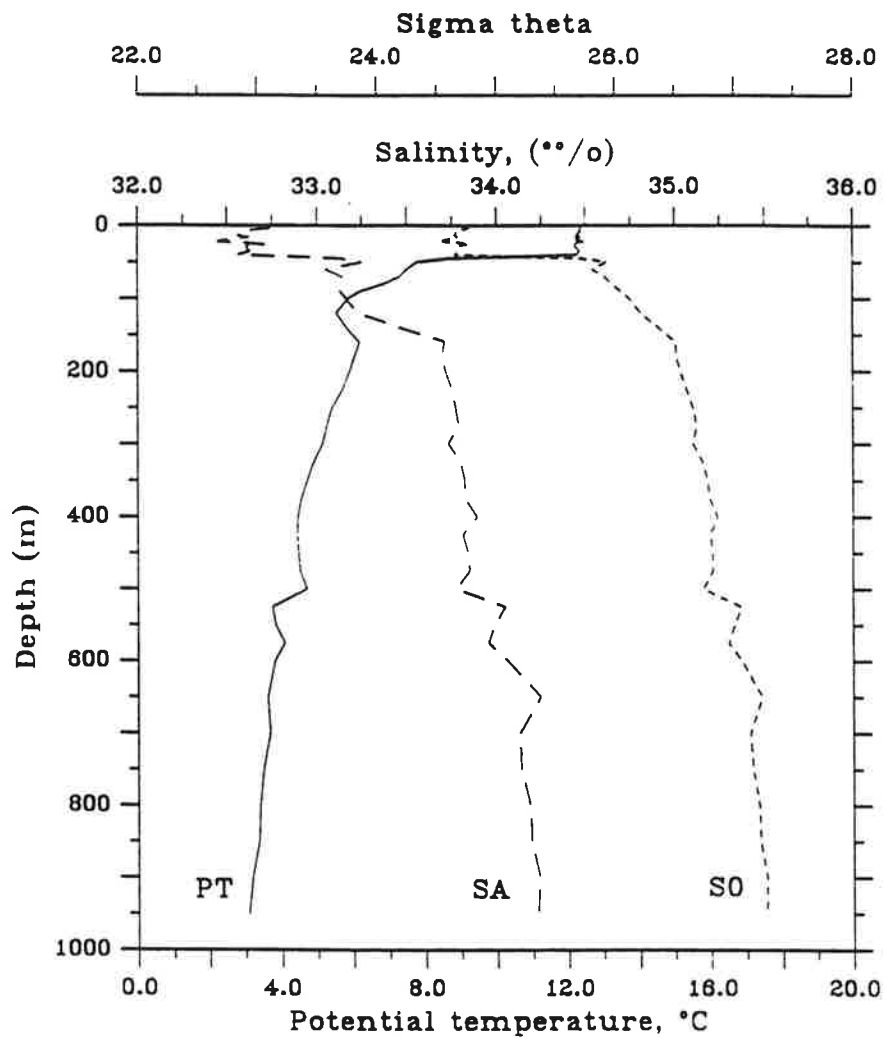
## STATION 69

LATITUDE: 45.5000 N LONGITUDE: 161.0000 W DATE: 12 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	12.378	32.740	12.378	24.763	24.763	29.213	24.763	1495.4	317.303	1.30	.00
2.0	2.0	12.378	32.740	12.377	24.763	24.763	29.213	24.772	1495.4	317.348	1.28	.28
4.0	4.0	12.378	32.740	12.377	24.763	24.763	29.213	24.781	1495.4	317.393	1.28	-33.37
6.0	6.1	12.332	32.637	12.331	24.692	24.692	29.144	24.719	1495.1	324.193	1.27	-16.18
8.0	8.1	12.395	32.631	12.394	24.676	24.676	29.126	24.712	1495.3	325.827	1.26	-14.24
10.0	10.1	12.289	32.588	12.288	24.663	24.663	29.115	24.708	1494.9	327.101	1.26	-2.80
12.0	12.1	12.338	32.600	12.336	24.662	24.663	29.114	24.717	1495.1	327.194	1.25	-12.78
14.0	14.2	12.238	32.562	12.236	24.652	24.652	29.106	24.715	1494.7	328.228	1.24	18.12
16.0	16.2	12.377	32.623	12.375	24.673	24.673	29.124	24.745	1495.3	326.285	1.24	-31.02
18.0	18.2	12.242	32.511	12.240	24.611	24.612	29.066	24.693	1494.7	332.163	1.23	-16.37
20.0	20.2	12.291	32.501	12.288	24.594	24.595	29.048	24.685	1494.9	333.834	1.22	-33.35
22.0	22.2	12.466	32.452	12.463	24.524	24.524	28.974	24.623	1495.4	340.633	1.22	52.07
24.0	24.3	12.238	32.619	12.235	24.696	24.697	29.150	24.805	1494.8	324.229	1.21	34.68
26.0	26.3	12.207	32.710	12.204	24.773	24.773	29.227	24.890	1494.8	316.979	1.20	-33.95
28.0	28.3	12.203	32.615	12.200	24.699	24.700	29.154	24.826	1494.7	324.015	1.20	-15.37
30.0	30.3	12.250	32.606	12.246	24.684	24.685	29.138	24.820	1494.9	325.495	1.19	-1.59
35.0	35.4	12.354	32.631	12.349	24.684	24.685	29.136	24.842	1495.3	325.651	1.18	-14.63
40.0	40.4	12.252	32.564	12.252	24.650	24.651	29.104	24.831	1494.9	329.002	1.17	81.65
45.0	45.5	8.663	33.136	8.658	25.711	25.712	30.229	25.917	1482.7	227.886	1.15	37.13
50.0	50.6	7.786	33.250	7.781	25.931	25.931	30.466	26.160	1479.6	207.024	1.14	-19.33
60.0	60.7	7.508	33.048	7.503	25.812	25.812	30.354	26.088	1478.3	218.457	1.13	18.01
70.0	70.8	7.306	33.144	7.300	25.915	25.916	30.462	26.237	1477.6	208.760	1.10	13.92
80.0	80.9	6.847	33.143	6.840	25.977	25.978	30.533	26.346	1475.9	202.970	1.08	14.87
90.0	91.0	6.226	33.130	6.218	26.047	26.048	30.617	26.463	1473.4	196.298	1.06	15.02
100.0	101.1	5.880	33.167	5.872	26.119	26.120	30.697	26.582	1472.1	189.524	1.04	12.00
120.0	121.3	5.545	33.232	5.536	26.211	26.212	30.796	26.767	1470.9	180.966	1.02	15.31
140.0	141.6	5.835	33.465	5.823	26.360	26.362	30.937	27.008	1472.4	167.106	.98	15.29
160.0	161.8	6.196	33.711	6.182	26.510	26.511	31.077	27.249	1474.1	153.335	.95	2.76
180.0	182.0	6.060	33.695	6.045	26.514	26.516	31.085	27.346	1473.6	153.081	.91	7.14
200.0	202.3	5.923	33.715	5.906	26.547	26.549	31.121	27.471	1473.1	150.195	.88	8.24
225.0	227.6	5.715	33.751	5.697	26.601	26.603	31.180	27.642	1472.4	145.277	.85	8.12
250.0	252.9	5.419	33.772	5.399	26.653	26.656	31.239	27.811	1471.3	140.443	.81	6.16
275.0	278.1	5.277	33.789	5.255	26.684	26.686	31.273	27.957	1470.8	137.784	.78	-6.24
300.0	303.5	5.152	33.731	5.128	26.652	26.655	31.245	28.042	1470.2	140.912	.74	10.24
325.0	328.8	4.901	33.801	4.876	26.736	26.739	31.334	28.243	1469.3	133.104	.71	6.90
350.0	354.1	4.723	33.824	4.696	26.774	26.777	31.376	28.398	1468.7	129.642	.67	4.87
375.0	379.4	4.555	33.824	4.527	26.792	26.795	31.399	28.533	1468.0	127.962	.64	8.93
400.0	404.7	4.460	33.891	4.430	26.856	26.859	31.464	28.713	1467.8	122.116	.61	-8.83
425.0	430.0	4.449	33.811	4.418	26.794	26.797	31.403	28.767	1467.6	128.198	.57	5.13
450.0	455.3	4.478	33.842	4.444	26.815	26.818	31.424	28.903	1467.8	126.476	.54	1.32
475.0	480.7	4.521	33.849	4.485	26.816	26.820	31.424	29.019	1468.1	126.618	.51	-10.11
500.0	506.0	4.709	33.773	4.671	26.735	26.739	31.339	29.051	1468.8	134.721	.48	20.02
525.0	531.3	3.753	34.048	3.717	27.053	27.057	31.678	29.496	1465.2	103.823	.44	-8.41
550.0	556.7	3.837	33.987	3.799	26.997	27.001	31.621	29.554	1465.5	109.417	.41	-8.05
575.0	582.0	4.082	33.954	4.041	26.946	26.950	31.564	29.615	1466.6	114.780	.39	11.82
600.0	607.3	3.818	34.060	3.776	27.057	27.061	31.681	29.845	1465.6	104.174	.36	10.22
650.0	658.0	3.616	34.244	3.571	27.223	27.228	31.851	30.244	1465.1	88.653	.33	-7.87
700.0	708.7	3.675	34.127	3.626	27.125	27.129	31.752	30.376	1465.3	98.382	.28	3.83
750.0	759.4	3.492	34.134	3.440	27.148	27.153	31.780	30.633	1464.6	96.264	.23	5.54
800.0	810.1	3.394	34.183	3.339	27.197	27.202	31.831	30.913	1464.3	91.866	.18	2.25
850.0	860.9	3.366	34.190	3.307	27.205	27.210	31.840	31.152	1464.3	91.411	.14	5.88
900.0	911.6	3.175	34.236	3.114	27.259	27.265	31.900	31.441	1463.6	86.224	.09	-1.51
950.0	962.4	3.081	34.224	3.016	27.259	27.264	31.902	31.672	1463.3	86.392	.00	9.39



## STATION 69

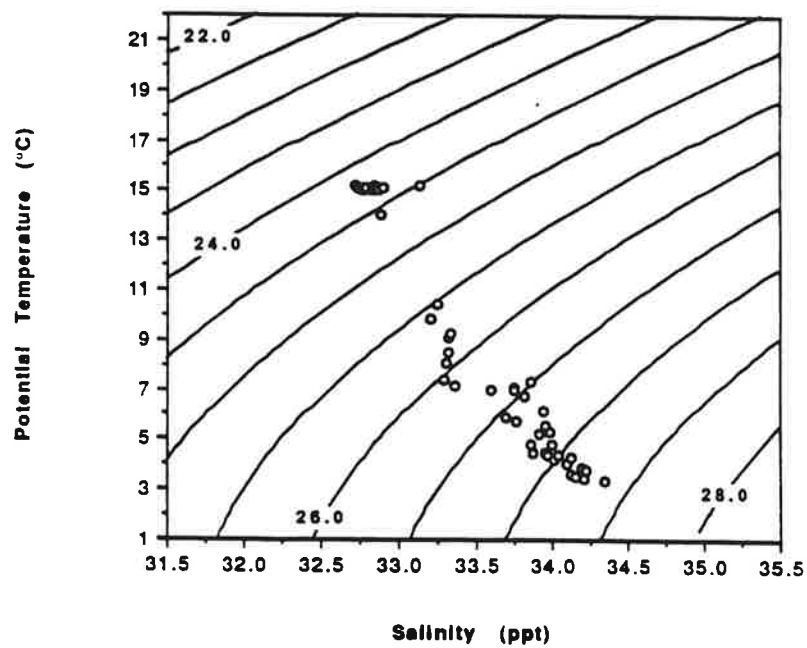
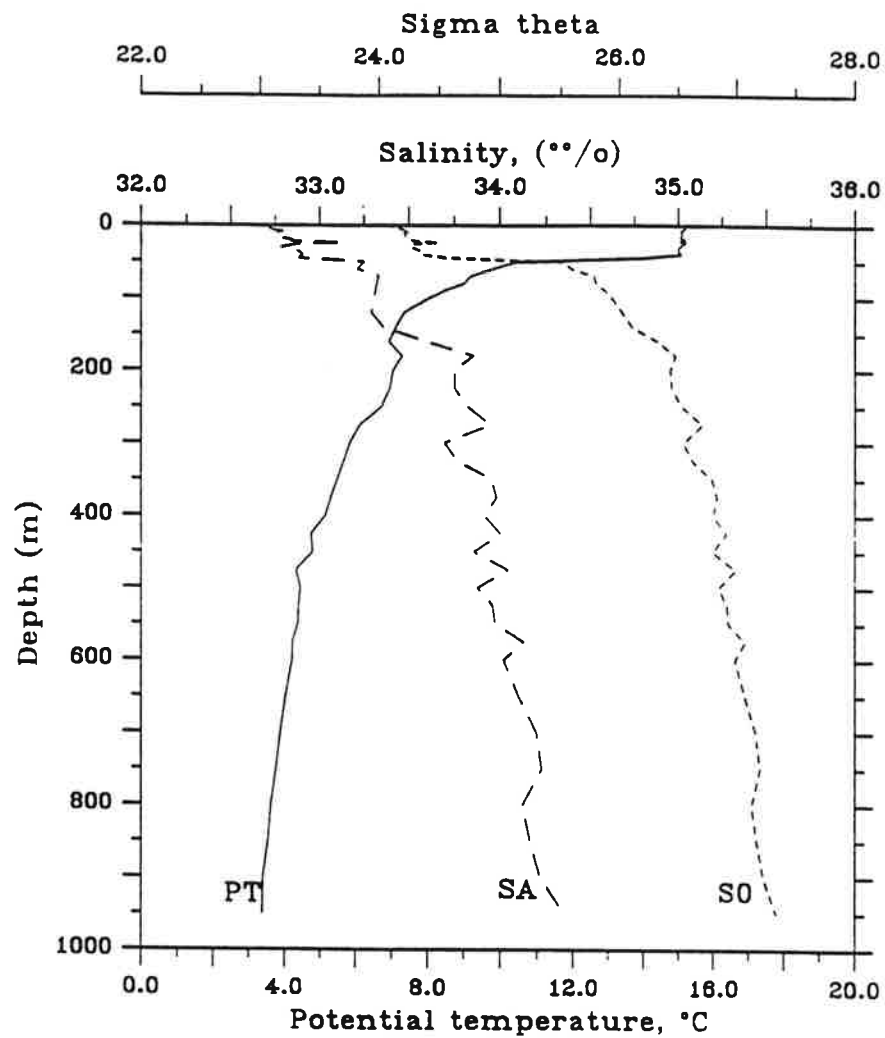


## STATION 77

LATITUDE: 43.5000 N LONGITUDE: 161.0250 W DATE: 13 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	15.207	32.718	15.207	24.169	24.169	28.573	24.169	1504.7	373.902	1.38	.00
2.0	2.0	15.207	32.718	15.206	24.169	24.169	28.573	24.178	1504.7	373.956	1.36	.32
4.0	4.0	15.207	32.718	15.206	24.169	24.169	28.573	24.187	1504.7	374.009	1.35	23.15
6.0	6.0	15.127	32.740	15.127	24.204	24.204	28.609	24.230	1504.4	370.809	1.34	29.00
8.0	8.1	15.070	32.793	15.069	24.257	24.257	28.663	24.293	1504.3	365.759	1.33	-25.86
10.0	10.1	15.109	32.749	15.108	24.214	24.215	28.620	24.259	1504.4	369.871	1.33	-7.22
12.0	12.1	15.101	32.743	15.099	24.211	24.211	28.617	24.265	1504.4	370.241	1.32	10.75
14.0	14.1	15.092	32.750	15.090	24.218	24.219	28.624	24.281	1504.4	369.592	1.31	17.47
16.0	16.1	15.067	32.768	15.065	24.238	24.238	28.644	24.310	1504.3	367.793	1.30	12.36
18.0	18.1	15.088	32.786	15.085	24.248	24.248	28.653	24.328	1504.4	366.919	1.30	17.32
20.0	20.1	15.209	32.845	15.206	24.267	24.267	28.670	24.356	1504.9	365.156	1.29	20.46
22.0	22.1	15.064	32.839	15.061	24.293	24.294	28.699	24.392	1504.4	362.665	1.28	55.40
24.0	24.2	15.207	33.133	15.203	24.489	24.490	28.891	24.596	1505.2	344.106	1.27	-53.60
26.0	26.2	15.110	32.868	15.106	24.306	24.306	28.711	24.422	1504.6	361.586	1.27	-19.77
28.0	28.2	15.105	32.834	15.101	24.281	24.282	28.687	24.406	1504.5	364.011	1.26	-18.64
30.0	30.2	15.022	32.782	15.017	24.259	24.260	28.666	24.393	1504.2	366.170	1.25	22.14
35.0	35.2	14.987	32.874	14.981	24.337	24.338	28.744	24.493	1504.2	358.871	1.24	5.64
40.0	40.3	15.071	32.904	15.065	24.342	24.343	28.748	24.521	1504.5	358.527	1.23	36.05
45.0	45.3	14.021	32.884	14.014	24.549	24.550	28.972	24.751	1501.1	338.892	1.21	77.74
50.0	50.3	10.440	33.249	10.434	25.511	25.512	29.993	25.738	1489.3	247.200	1.19	15.88
60.0	60.4	9.796	33.213	9.790	25.591	25.592	30.086	25.864	1487.0	239.700	1.17	24.35
70.0	70.5	9.207	33.332	9.200	25.780	25.781	30.286	26.100	1485.0	221.867	1.15	7.71
80.0	80.5	9.027	33.320	9.019	25.799	25.800	30.309	26.164	1484.4	220.222	1.13	15.71
90.0	90.6	8.487	33.314	8.478	25.877	25.879	30.399	26.289	1482.4	212.846	1.10	13.19
100.0	100.7	8.070	33.305	8.061	25.933	25.934	30.463	26.391	1480.8	207.671	1.08	11.84
120.0	120.8	7.377	33.292	7.366	26.022	26.023	30.567	26.574	1478.2	199.348	1.06	11.40
140.0	141.0	7.139	33.356	7.127	26.105	26.106	30.654	26.749	1477.4	191.715	1.02	18.36
160.0	161.1	6.946	33.595	6.931	26.320	26.322	30.872	27.056	1476.9	171.569	.98	15.55
180.0	181.3	7.310	33.855	7.293	26.474	26.477	31.017	27.301	1478.7	157.377	.94	-8.55
200.0	201.4	7.054	33.751	7.036	26.427	26.430	30.977	27.347	1477.6	161.993	.91	4.20
225.0	226.6	6.959	33.752	6.939	26.441	26.444	30.993	27.476	1477.3	160.985	.88	10.35
250.0	251.8	6.734	33.822	6.711	26.527	26.530	31.083	27.677	1476.6	153.158	.83	14.97
275.0	277.0	6.135	33.949	6.111	26.705	26.708	31.274	27.973	1474.4	136.282	.79	-14.40
300.0	302.2	5.854	33.695	5.829	26.539	26.542	31.117	27.925	1473.0	152.058	.76	10.03
325.0	327.4	5.681	33.769	5.655	26.619	26.623	31.200	28.121	1472.4	144.673	.72	14.54
350.0	352.6	5.497	33.954	5.468	26.788	26.791	31.372	28.406	1472.0	128.927	.68	7.27
375.0	377.8	5.322	33.981	5.292	26.830	26.834	31.418	28.564	1471.3	125.104	.65	-6.47
400.0	403.0	5.160	33.915	5.128	26.796	26.800	31.389	28.647	1470.6	128.395	.62	11.98
425.0	428.2	4.766	34.002	4.733	26.910	26.914	31.511	28.880	1469.2	117.534	.58	-12.23
450.0	453.4	4.807	33.857	4.773	26.791	26.795	31.392	28.876	1469.2	129.052	.55	15.75
475.0	478.7	4.336	34.042	4.301	26.989	26.992	31.600	29.193	1467.6	110.190	.52	-13.42
500.0	503.9	4.455	33.876	4.418	26.845	26.849	31.455	29.164	1467.9	124.065	.49	9.42
525.0	529.1	4.407	33.959	4.368	26.916	26.920	31.526	29.350	1467.8	117.578	.46	3.91
550.0	554.3	4.389	33.972	4.348	26.928	26.932	31.539	29.478	1467.8	116.636	.43	13.10
575.0	579.6	4.235	34.124	4.192	27.065	27.069	31.678	29.732	1467.4	103.812	.40	-10.16
600.0	604.8	4.223	34.018	4.179	26.982	26.987	31.597	29.765	1467.3	111.756	.37	7.21
650.0	655.3	4.034	34.098	3.987	27.065	27.070	31.684	30.080	1466.7	104.158	.34	7.60
700.0	705.8	3.889	34.195	3.839	27.157	27.162	31.779	30.404	1466.3	95.720	.29	4.65
750.0	756.2	3.767	34.222	3.714	27.191	27.197	31.817	30.671	1465.9	92.698	.24	-6.55
800.0	806.8	3.625	34.118	3.568	27.122	27.128	31.753	30.836	1465.2	99.238	.19	5.06
850.0	857.3	3.542	34.159	3.482	27.163	27.169	31.795	31.108	1465.0	95.641	.14	5.94
900.0	907.8	3.405	34.213	3.343	27.219	27.225	31.855	31.396	1464.6	90.472	.09	8.24
950.0	958.3	3.385	34.347	3.318	27.328	27.334	31.963	31.734	1464.7	80.666	.00	9.21

## STATION 77

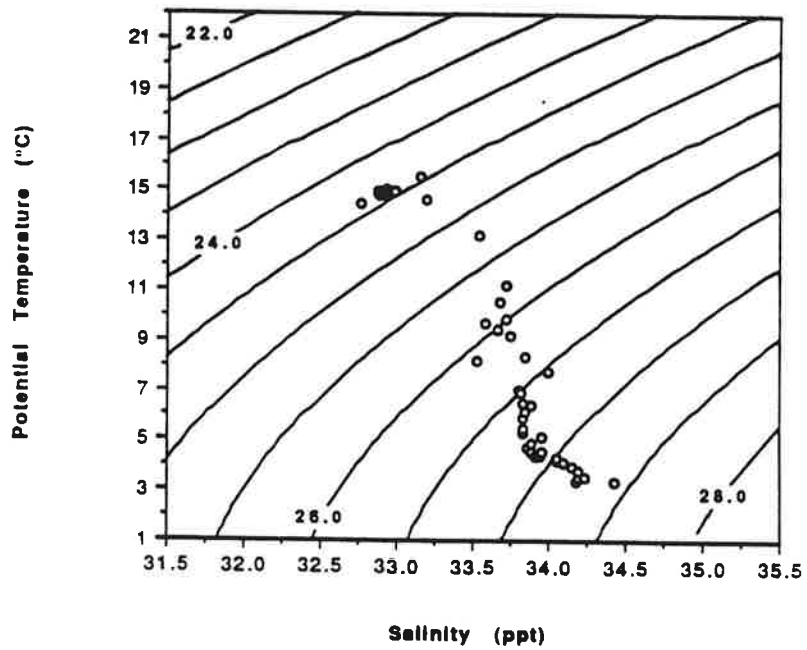
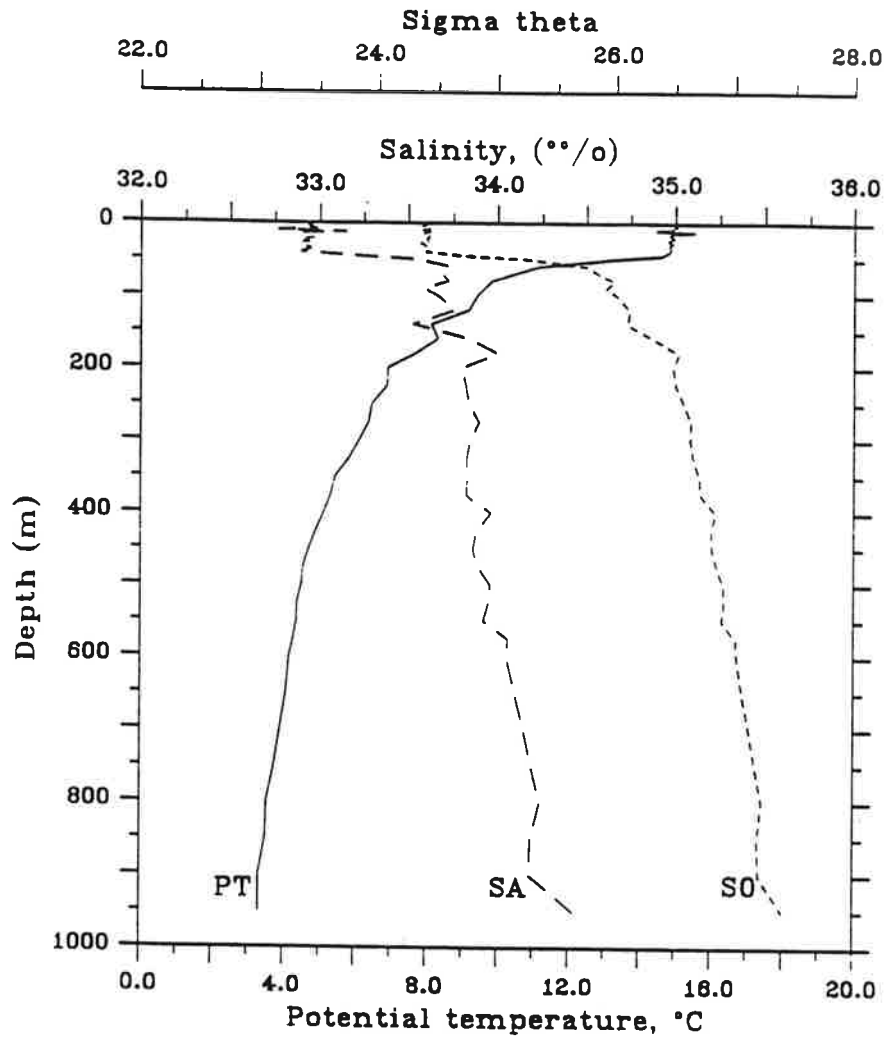


## STATION 78

LATITUDE: 43.2500 N LONGITUDE: 161.0000 W DATE: 13 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	14.954	32.956	14.954	24.407	24.407	28.814	24.407	1504.1	351.211	1.37	.00
2.0	2.0	14.954	32.956	14.954	24.407	24.407	28.814	24.416	1504.1	351.264	1.35	-25.15
4.0	4.0	15.061	32.934	15.061	24.367	24.367	28.772	24.385	1504.5	355.156	1.34	26.37
6.0	6.0	14.945	32.959	14.944	24.411	24.412	28.818	24.438	1504.1	350.990	1.33	18.39
8.0	8.1	14.930	32.983	14.929	24.433	24.433	28.840	24.469	1504.1	348.991	1.32	-32.27
10.0	10.1	14.462	32.767	14.461	24.367	24.367	28.782	24.412	1502.4	355.354	1.32	31.74
12.0	12.1	15.517	33.146	15.515	24.431	24.431	28.828	24.484	1506.2	349.312	1.31	-29.24
14.0	14.1	14.915	32.905	14.912	24.376	24.377	28.784	24.439	1504.0	354.543	1.30	26.77
16.0	16.1	14.820	32.938	14.818	24.422	24.422	28.831	24.494	1503.7	350.248	1.30	-7.73
18.0	18.1	14.913	32.959	14.910	24.418	24.419	28.826	24.499	1504.0	350.666	1.29	5.16
20.0	20.2	14.968	32.976	14.965	24.420	24.420	28.826	24.509	1504.2	350.559	1.28	-17.70
22.0	22.2	14.863	32.921	14.860	24.400	24.400	28.809	24.499	1503.8	352.511	1.27	13.43
24.0	24.2	14.785	32.914	14.782	24.411	24.412	28.821	24.519	1503.6	351.468	1.27	3.39
26.0	26.2	14.873	32.940	14.870	24.412	24.413	28.821	24.529	1503.9	351.454	1.26	-31.24
28.0	28.2	14.920	32.872	14.916	24.350	24.351	28.758	24.475	1504.0	357.428	1.25	21.25
30.0	30.2	14.821	32.882	14.817	24.378	24.379	28.788	24.513	1503.7	354.737	1.24	16.48
35.0	35.3	14.871	32.952	14.866	24.422	24.423	28.831	24.579	1503.9	350.755	1.24	-13.81
40.0	40.3	14.808	32.895	14.802	24.392	24.393	28.802	24.571	1503.7	353.775	1.22	41.74
45.0	45.4	14.596	33.196	14.590	24.669	24.670	29.081	24.871	1503.3	327.480	1.20	59.60
50.0	50.4	13.169	33.547	13.162	25.235	25.236	29.667	25.460	1499.1	273.693	1.18	40.54
60.0	60.5	11.144	33.726	11.137	25.758	25.759	30.225	26.030	1492.4	223.973	1.17	16.59
70.0	70.6	10.469	33.686	10.461	25.846	25.847	30.326	26.164	1490.0	215.779	1.14	20.87
80.0	80.6	9.818	33.722	9.809	25.985	25.986	30.477	26.349	1487.7	202.714	1.12	-15.01
90.0	90.7	9.614	33.586	9.604	25.913	25.914	30.410	26.323	1486.9	209.690	1.10	16.96
100.0	100.8	9.412	33.661	9.401	26.004	26.006	30.505	26.460	1486.2	201.143	1.08	13.17
120.0	121.0	9.185	33.756	9.172	26.115	26.117	30.620	26.662	1485.5	190.990	1.06	-5.29
140.0	141.1	8.146	33.528	8.132	26.097	26.099	30.624	26.738	1481.4	192.780	1.02	18.57
160.0	161.3	8.321	33.842	8.305	26.317	26.319	30.839	27.049	1482.5	172.328	.98	18.22
180.0	181.5	7.721	33.999	7.704	26.528	26.531	31.062	27.354	1480.5	152.412	.94	-8.45
200.0	201.7	6.930	33.799	6.912	26.482	26.485	31.034	27.403	1477.2	156.735	.91	5.22
225.0	226.9	6.902	33.822	6.882	26.504	26.507	31.057	27.539	1477.2	155.024	.88	9.25
250.0	252.1	6.489	33.838	6.466	26.572	26.575	31.134	27.724	1475.6	148.725	.84	8.42
275.0	277.3	6.396	33.895	6.372	26.629	26.632	31.192	27.896	1475.4	143.668	.80	-2.28
300.0	302.6	6.142	33.848	6.116	26.624	26.628	31.194	28.008	1474.3	144.239	.76	5.36
325.0	327.8	5.847	33.830	5.820	26.647	26.650	31.224	28.147	1473.2	142.199	.72	8.04
350.0	353.0	5.446	33.833	5.418	26.698	26.701	31.284	28.316	1471.6	137.352	.69	3.81
375.0	378.3	5.319	33.828	5.289	26.710	26.713	31.299	28.444	1471.1	136.439	.65	12.69
400.0	403.5	5.126	33.962	5.094	26.838	26.842	31.431	28.689	1470.6	124.452	.62	-6.76
425.0	428.8	4.900	33.883	4.867	26.801	26.805	31.400	28.770	1469.6	127.953	.58	2.84
450.0	454.0	4.709	33.864	4.675	26.807	26.811	31.411	28.893	1468.8	127.419	.55	6.93
475.0	479.3	4.548	33.890	4.513	26.846	26.849	31.453	29.048	1468.2	123.894	.52	8.56
500.0	504.5	4.505	33.958	4.468	26.904	26.908	31.512	29.222	1468.2	118.585	.49	3.04
525.0	529.8	4.381	33.950	4.342	26.911	26.915	31.522	29.346	1467.7	117.984	.46	-5.10
550.0	555.0	4.362	33.921	4.321	26.890	26.895	31.502	29.441	1467.6	120.140	.43	12.26
575.0	580.3	4.281	34.061	4.239	27.010	27.014	31.623	29.676	1467.5	109.010	.40	2.72
600.0	605.5	4.164	34.053	4.120	27.016	27.020	31.632	29.799	1467.1	108.529	.37	5.39
650.0	656.1	4.082	34.100	4.035	27.062	27.067	31.680	30.077	1466.9	104.492	.34	5.90
700.0	706.6	3.918	34.149	3.867	27.117	27.123	31.740	30.365	1466.3	99.462	.28	5.67
750.0	757.2	3.756	34.192	3.703	27.169	27.174	31.795	30.649	1465.8	94.800	.23	5.99
800.0	807.8	3.547	34.238	3.491	27.225	27.231	31.856	30.939	1465.0	89.478	.18	-4.75
850.0	858.3	3.519	34.189	3.460	27.189	27.195	31.822	31.134	1464.9	93.163	.14	2.88
900.0	908.9	3.328	34.182	3.266	27.202	27.208	31.839	31.381	1464.2	91.914	.09	11.06
950.0	959.5	3.325	34.427	3.258	27.397	27.404	32.034	31.805	1464.6	74.043	.00	10.33

STATION 78

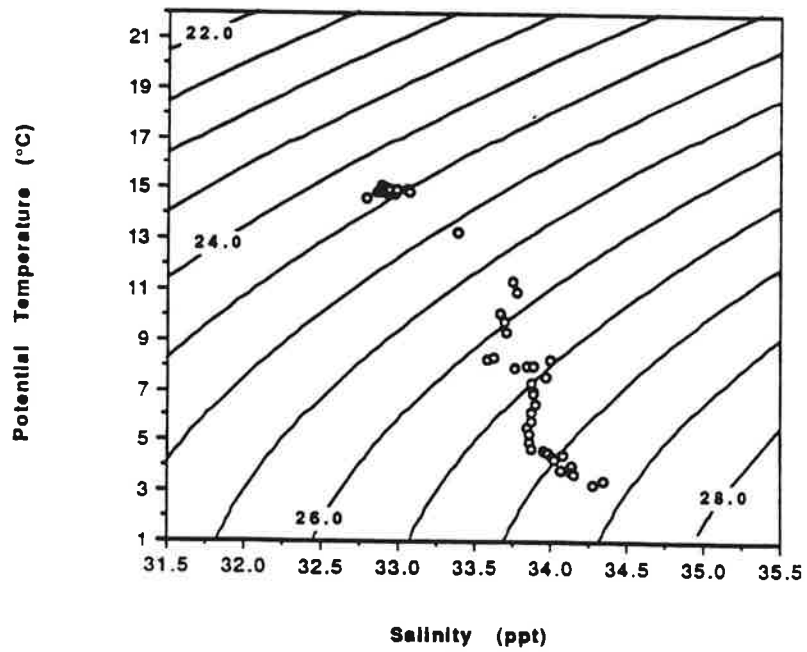
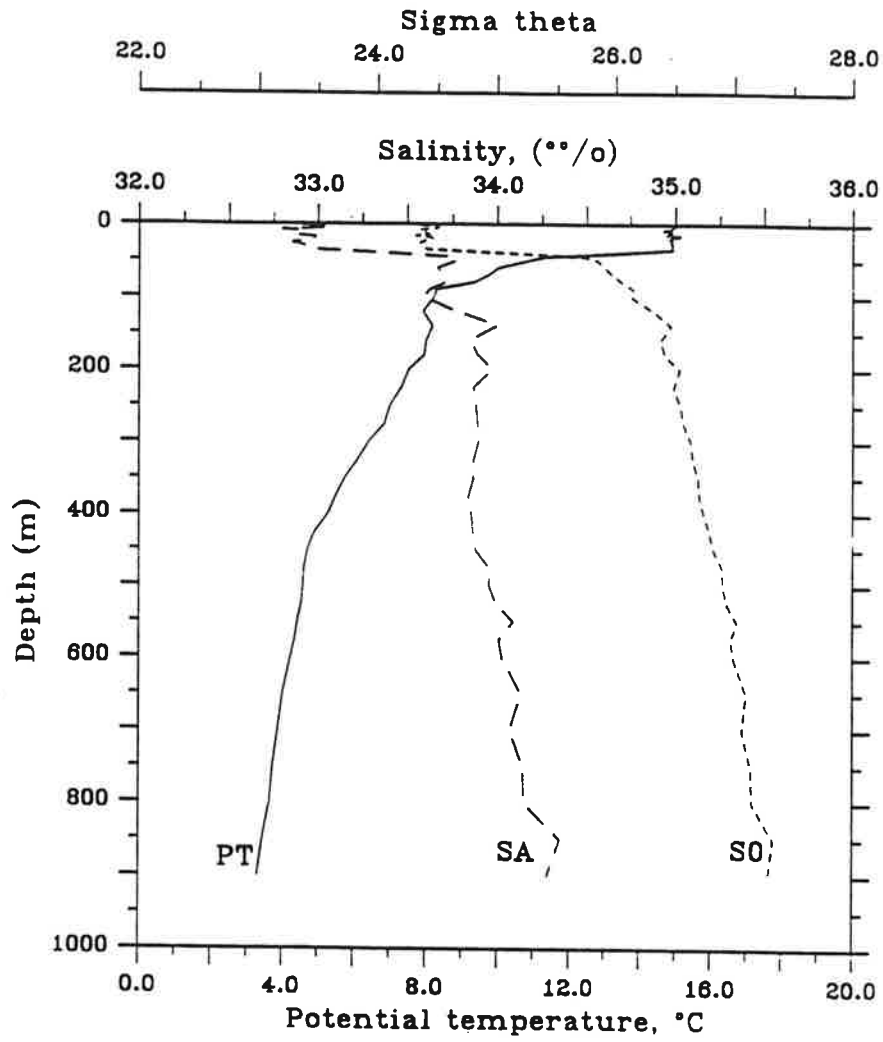


## STATION 79

LATITUDE: 43.0000 N LONGITUDE: 161.0000 W DATE: 13 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	15.013	32.914	15.013	24.362	24.362	28.767	24.362	1504.3	355.550	1.30	.00
2.0	2.0	15.013	32.914	15.013	24.362	24.362	28.768	24.371	1504.3	355.603	1.28	47.82
4.0	4.0	14.896	33.070	14.896	24.507	24.508	28.914	24.525	1504.1	341.782	1.27	-16.52
6.0	6.1	14.913	33.052	14.912	24.490	24.490	28.897	24.517	1504.1	343.492	1.26	-46.91
8.0	8.1	14.646	32.796	14.645	24.350	24.350	28.762	24.386	1503.0	356.897	1.25	25.63
10.0	10.1	14.906	32.923	14.905	24.392	24.392	28.800	24.437	1504.0	352.968	1.25	6.74
12.0	12.1	14.881	32.919	14.879	24.395	24.395	28.803	24.448	1503.9	352.746	1.24	23.44
14.0	14.1	14.734	32.924	14.732	24.430	24.430	28.840	24.492	1503.4	349.461	1.23	-42.16
16.0	16.2	15.143	32.891	15.141	24.316	24.317	28.721	24.388	1504.7	360.308	1.23	44.09
18.0	18.2	14.911	32.987	14.909	24.440	24.441	28.848	24.521	1504.1	348.561	1.22	15.79
20.0	20.2	14.807	32.978	14.804	24.456	24.457	28.865	24.546	1503.7	347.099	1.21	-30.11
22.0	22.2	14.922	32.936	14.919	24.398	24.399	28.806	24.497	1504.0	352.658	1.20	-15.33
24.0	24.2	14.893	32.908	14.889	24.383	24.384	28.792	24.491	1503.9	354.136	1.20	-23.09
26.0	26.2	14.858	32.854	14.854	24.349	24.350	28.759	24.466	1503.8	357.421	1.19	14.46
28.0	28.3	14.932	32.892	14.928	24.363	24.364	28.771	24.488	1504.0	356.210	1.18	21.79
30.0	30.3	14.898	32.922	14.894	24.393	24.394	28.802	24.528	1504.0	353.380	1.17	7.62
35.0	35.3	14.921	32.940	14.916	24.402	24.403	28.810	24.559	1504.1	352.634	1.17	65.96
40.0	40.4	13.261	33.390	13.255	25.095	25.096	29.527	25.275	1499.2	286.745	1.15	63.27
45.0	45.4	11.365	33.744	11.359	25.732	25.733	30.195	25.936	1493.2	226.113	1.13	26.46
50.0	50.5	10.882	33.776	10.876	25.844	25.845	30.315	26.071	1491.6	215.585	1.12	13.75
60.0	60.6	10.042	33.667	10.035	25.904	25.905	30.392	26.177	1488.4	209.989	1.11	14.73
70.0	70.7	9.742	33.691	9.734	25.973	25.975	30.467	26.292	1487.4	203.584	1.09	15.92
80.0	80.8	9.349	33.712	9.341	26.054	26.055	30.555	26.419	1486.0	196.058	1.07	17.13
90.0	90.9	8.297	33.622	8.288	26.147	26.149	30.670	26.560	1482.0	187.191	1.05	-7.48
100.0	101.0	8.232	33.586	8.222	26.129	26.131	30.654	26.588	1481.8	189.040	1.03	17.17
120.0	121.2	7.924	33.768	7.912	26.317	26.319	30.848	26.868	1480.8	171.484	1.01	15.01
140.0	141.4	8.187	34.000	8.173	26.461	26.463	30.985	27.102	1482.2	158.261	.97	-11.80
160.0	161.6	8.011	33.854	7.995	26.372	26.375	30.901	27.105	1481.4	166.959	.94	7.47
180.0	181.8	7.959	33.889	7.941	26.408	26.410	30.938	27.232	1481.2	163.904	.90	14.08
200.0	202.0	7.541	33.973	7.521	26.534	26.537	31.072	27.451	1479.8	152.111	.87	-8.07
225.0	227.2	7.331	33.869	7.309	26.482	26.485	31.025	27.515	1478.9	157.329	.84	8.40
250.0	252.5	7.003	33.882	6.980	26.538	26.541	31.089	27.687	1477.7	152.223	.80	5.80
275.0	277.7	6.857	33.891	6.832	26.565	26.568	31.119	27.829	1477.2	149.975	.76	8.79
300.0	303.0	6.424	33.896	6.398	26.626	26.630	31.190	28.008	1475.5	144.257	.72	4.66
325.0	328.3	6.128	33.869	6.100	26.643	26.647	31.213	28.142	1474.4	142.760	.68	7.53
350.0	353.6	5.762	33.868	5.733	26.688	26.692	31.267	28.304	1472.9	138.549	.65	3.72
375.0	378.8	5.502	33.842	5.472	26.699	26.703	31.284	28.432	1471.9	137.606	.61	6.83
400.0	404.1	5.290	33.857	5.258	26.736	26.740	31.326	28.586	1471.1	134.203	.57	7.87
425.0	429.4	4.928	33.867	4.895	26.785	26.789	31.383	28.753	1469.7	129.495	.54	6.61
450.0	454.7	4.723	33.882	4.689	26.820	26.824	31.423	28.905	1468.9	126.268	.51	9.41
475.0	480.0	4.622	33.956	4.586	26.890	26.894	31.495	29.092	1468.6	119.768	.47	2.37
500.0	505.2	4.586	33.957	4.549	26.895	26.899	31.501	29.212	1468.5	119.548	.44	6.43
525.0	530.5	4.545	33.993	4.506	26.928	26.932	31.535	29.361	1468.4	116.642	.41	10.51
550.0	555.8	4.433	34.088	4.392	27.016	27.020	31.625	29.565	1468.1	108.472	.38	-8.23
575.0	581.1	4.352	34.009	4.310	26.961	26.966	31.573	29.627	1467.7	113.686	.35	5.51
600.0	606.4	4.245	34.025	4.201	26.985	26.990	31.600	29.768	1467.4	111.497	.32	8.25
650.0	657.0	4.021	34.132	3.974	27.094	27.098	31.713	30.109	1466.7	101.446	.30	-4.71
700.0	707.7	3.885	34.070	3.834	27.058	27.063	31.681	30.306	1466.1	104.979	.24	6.76
750.0	758.3	3.745	34.143	3.692	27.131	27.136	31.757	30.611	1465.7	98.333	.19	2.82
800.0	808.9	3.658	34.148	3.601	27.143	27.149	31.772	30.855	1465.4	97.381	.14	10.57
850.0	859.6	3.460	34.348	3.401	27.321	27.327	31.954	31.266	1464.9	80.721	.09	-4.96
900.0	910.3	3.307	34.280	3.245	27.282	27.288	31.919	31.460	1464.2	84.450	.00	10.02

## STATION 79



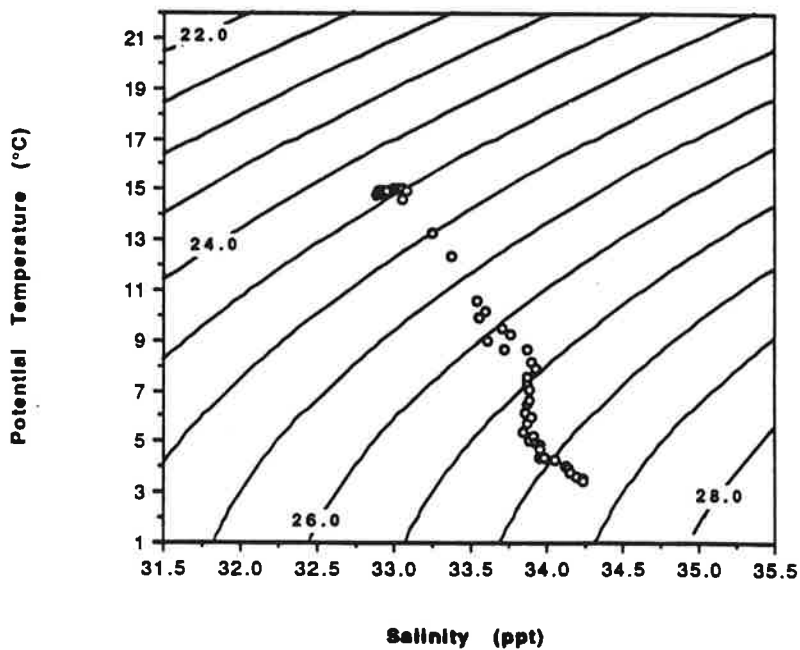
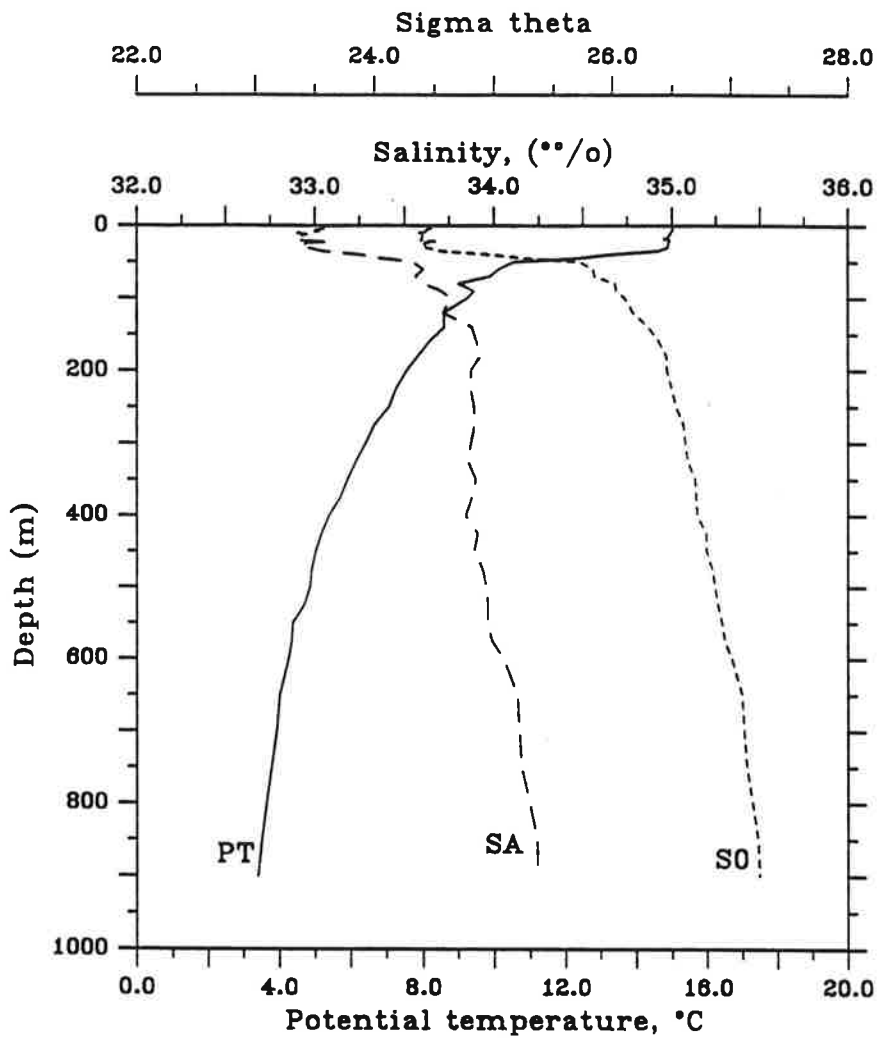
## STATION 80

LATITUDE: 42.7500 N LONGITUDE: 161.0000 W DATE: 13 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	15.016	33.047	15.016	24.464	24.464	28.869	24.464	1504.4	345.842	1.32	.00
2.0	2.0	15.016	33.047	15.016	24.464	24.464	28.869	24.473	1504.4	345.895	1.30	12.09
4.0	4.0	15.001	33.055	15.000	24.473	24.473	28.878	24.491	1504.4	345.062	1.29	-27.42
6.0	6.1	15.034	33.002	15.033	24.425	24.425	28.830	24.452	1504.5	349.677	1.28	20.97
8.0	8.1	14.996	33.027	14.995	24.453	24.454	28.859	24.489	1504.4	347.061	1.27	-37.31
10.0	10.1	14.949	32.899	14.948	24.365	24.365	28.772	24.409	1504.1	355.559	1.27	25.96
12.0	12.1	14.964	32.959	14.962	24.407	24.408	28.814	24.461	1504.2	351.523	1.26	-14.60
14.0	14.1	14.898	32.923	14.896	24.394	24.394	28.802	24.457	1503.9	352.870	1.25	7.71
16.0	16.2	14.916	32.933	14.914	24.398	24.398	28.805	24.469	1504.0	352.563	1.25	3.34
18.0	18.2	14.771	32.894	14.769	24.398	24.399	28.809	24.479	1503.5	352.545	1.24	-16.81
20.0	20.2	14.936	32.916	14.933	24.380	24.381	28.788	24.470	1504.1	354.318	1.23	45.75
22.0	22.2	14.938	33.090	14.934	24.514	24.514	28.920	24.612	1504.3	341.677	1.22	-39.36
24.0	24.2	14.887	32.947	14.883	24.415	24.416	28.823	24.522	1504.0	351.126	1.22	-1.58
26.0	26.3	14.885	32.946	14.881	24.415	24.416	28.823	24.531	1503.9	351.194	1.21	-19.31
28.0	28.3	14.887	32.916	14.882	24.391	24.392	28.800	24.517	1503.9	353.510	1.20	22.72
30.0	30.3	14.879	32.957	14.875	24.424	24.425	28.832	24.558	1503.9	350.433	1.20	28.47
35.0	35.4	14.612	33.050	14.606	24.553	24.554	28.965	24.710	1503.2	338.261	1.19	52.36
40.0	40.4	13.255	33.253	13.250	24.989	24.990	29.422	25.169	1499.0	296.765	1.17	41.51
45.0	45.5	12.345	33.377	12.339	25.264	25.265	29.712	25.467	1496.1	270.717	1.15	53.66
50.0	50.5	10.546	33.544	10.540	25.722	25.723	30.201	25.950	1490.1	227.087	1.14	18.96
60.0	60.6	10.144	33.603	10.138	25.837	25.838	30.323	26.110	1488.7	216.372	1.13	6.01
70.0	70.7	9.883	33.561	9.875	25.848	25.850	30.340	26.167	1487.8	215.447	1.10	23.40
80.0	80.9	9.019	33.605	9.010	26.023	26.024	30.531	26.388	1484.7	198.947	1.08	5.64
90.0	91.0	9.455	33.707	9.445	26.033	26.035	30.533	26.444	1486.4	198.239	1.06	14.94
100.0	101.1	9.270	33.760	9.259	26.104	26.106	30.607	26.560	1485.8	191.646	1.04	10.51
120.0	121.3	8.608	33.717	8.596	26.175	26.177	30.691	26.723	1483.4	185.189	1.02	14.03
140.0	141.5	8.610	33.877	8.596	26.300	26.302	30.816	26.940	1483.6	173.642	.98	11.60
160.0	161.7	8.180	33.903	8.164	26.386	26.388	30.911	27.118	1482.1	165.733	.95	10.03
180.0	182.0	7.868	33.926	7.851	26.450	26.452	30.981	27.275	1480.9	159.894	.91	2.72
200.0	202.2	7.550	33.873	7.531	26.455	26.457	30.993	27.372	1479.7	159.651	.88	7.01
225.0	227.5	7.266	33.872	7.245	26.493	26.497	31.038	27.527	1478.6	156.210	.85	7.04
250.0	252.8	7.080	33.889	7.057	26.533	26.536	31.082	27.681	1478.0	152.762	.81	8.66
275.0	278.1	6.664	33.893	6.639	26.592	26.596	31.150	27.858	1476.4	147.253	.77	4.41
300.0	303.4	6.426	33.873	6.399	26.608	26.611	31.171	27.989	1475.5	145.992	.73	5.27
325.0	328.7	6.153	33.856	6.125	26.630	26.633	31.199	28.128	1474.4	144.057	.69	8.99
350.0	354.0	5.915	33.900	5.885	26.694	26.698	31.269	28.309	1473.6	138.118	.65	3.35
375.0	379.3	5.706	33.878	5.675	26.703	26.706	31.283	28.434	1472.8	137.421	.62	3.55
400.0	404.6	5.397	33.844	5.364	26.712	26.716	31.300	28.562	1471.5	136.512	.58	9.82
425.0	429.9	5.194	33.910	5.160	26.789	26.793	31.381	28.755	1470.8	129.368	.55	2.15
450.0	455.2	5.022	33.890	4.986	26.793	26.797	31.389	28.875	1470.1	129.128	.51	7.88
475.0	480.6	4.912	33.936	4.875	26.842	26.846	31.441	29.041	1469.8	124.615	.48	5.27
500.0	505.9	4.866	33.958	4.827	26.864	26.869	31.464	29.178	1469.7	122.736	.45	5.52
525.0	531.2	4.701	33.965	4.661	26.888	26.893	31.492	29.320	1469.0	120.523	.42	6.64
550.0	556.5	4.370	33.964	4.330	26.923	26.927	31.535	29.474	1467.7	117.071	.39	5.19
575.0	581.9	4.345	33.987	4.302	26.945	26.949	31.557	29.611	1467.7	115.242	.36	8.81
600.0	607.2	4.254	34.053	4.210	27.006	27.011	31.620	29.788	1467.4	109.544	.33	7.31
650.0	657.9	4.013	34.128	3.966	27.091	27.096	31.711	30.107	1466.6	101.642	.30	3.30
700.0	708.5	3.923	34.138	3.873	27.109	27.114	31.731	30.356	1466.3	100.296	.24	3.98
750.0	759.2	3.783	34.152	3.729	27.133	27.139	31.759	30.613	1465.8	98.111	.19	5.53
800.0	809.9	3.640	34.195	3.583	27.182	27.188	31.811	30.894	1465.4	93.695	.14	5.37
850.0	860.7	3.514	34.237	3.454	27.228	27.234	31.860	31.173	1465.0	89.546	.09	2.99
900.0	911.4	3.400	34.241	3.338	27.242	27.248	31.877	31.419	1464.6	88.359	.00	10.03



STATION 80

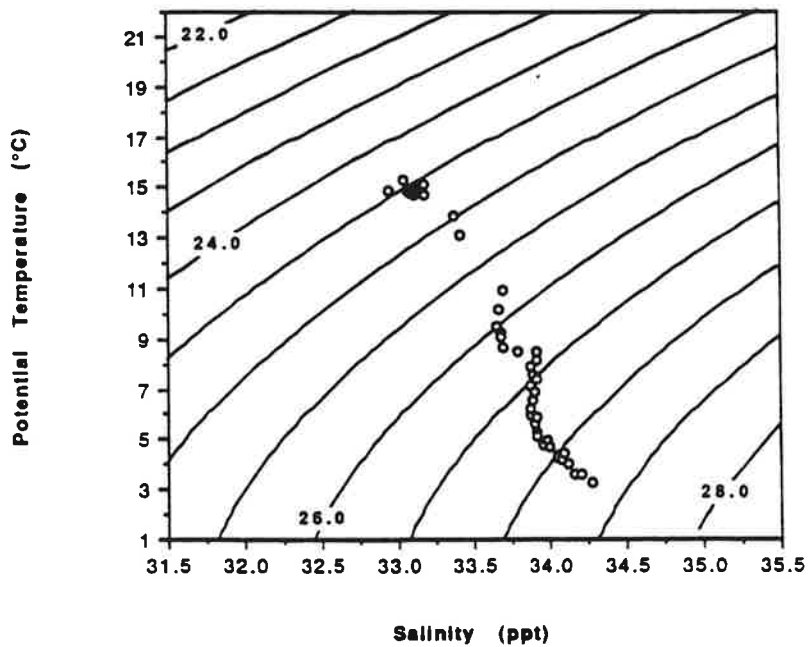
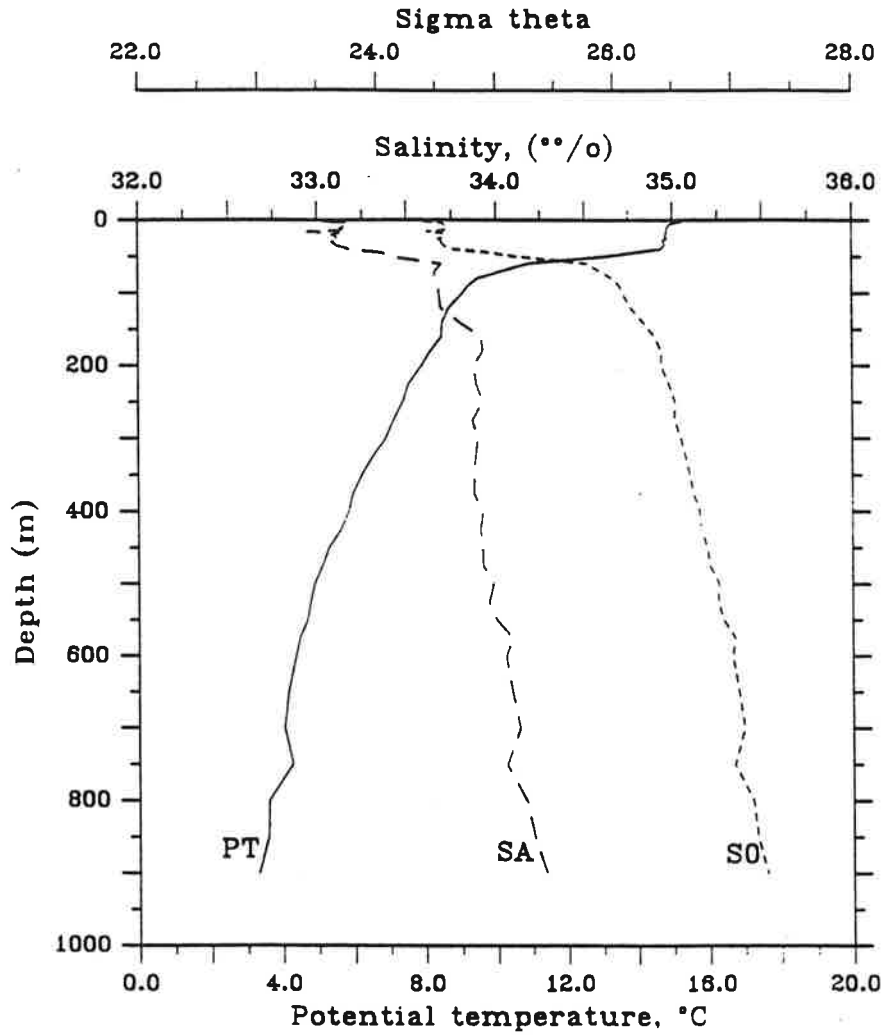


## STATION 81

LATITUDE: 42.5000 N LONGITUDE: 161.0222 W DATE: 13 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	15.260	33.040	15.260	24.405	24.405	28.807	24.405	1505.2	351.410	1.35	.00
2.0	2.0	15.260	33.040	15.259	24.405	24.405	28.807	24.414	1505.2	351.464	1.32	48.65
4.0	4.0	15.070	33.182	15.070	24.556	24.556	28.959	24.574	1504.8	337.156	1.32	9.44
6.0	6.1	14.925	33.148	14.925	24.562	24.562	28.968	24.589	1504.3	336.668	1.31	16.29
8.0	8.1	14.894	33.162	14.893	24.579	24.579	28.985	24.615	1504.2	335.111	1.30	-18.45
10.0	10.1	14.884	33.131	14.883	24.557	24.557	28.964	24.602	1504.1	337.230	1.30	18.94
12.0	12.1	14.839	33.148	14.837	24.580	24.580	28.987	24.633	1504.0	335.107	1.29	-13.66
14.0	14.2	14.844	33.134	14.842	24.568	24.568	28.976	24.631	1504.0	336.292	1.28	-47.35
16.0	16.2	14.839	32.947	14.837	24.425	24.426	28.834	24.497	1503.8	349.949	1.28	46.03
18.0	18.2	14.859	33.128	14.856	24.560	24.560	28.967	24.641	1504.1	337.151	1.27	-19.63
20.0	20.2	14.809	33.082	14.806	24.535	24.536	28.944	24.625	1503.9	339.542	1.26	16.86
22.0	22.2	14.807	33.105	14.803	24.553	24.554	28.962	24.652	1503.9	337.870	1.26	7.76
24.0	24.3	14.826	33.115	14.823	24.557	24.558	28.966	24.665	1504.0	337.559	1.25	-24.39
26.0	26.3	14.859	33.075	14.855	24.520	24.520	28.928	24.636	1504.0	341.221	1.24	29.77
28.0	28.3	14.726	33.111	14.721	24.576	24.577	28.986	24.701	1503.6	335.894	1.23	-22.43
30.0	30.3	14.780	33.085	14.776	24.544	24.545	28.953	24.678	1503.8	339.002	1.23	11.55
35.0	35.4	14.790	33.115	14.785	24.565	24.566	28.974	24.722	1503.9	337.112	1.22	22.25
40.0	40.5	14.674	33.185	14.668	24.644	24.645	29.055	24.823	1503.6	329.733	1.20	44.40
45.0	45.5	13.854	33.369	13.848	24.958	24.959	29.380	25.160	1501.1	299.943	1.19	34.97
50.0	50.6	13.067	33.415	13.060	25.152	25.154	29.588	25.378	1498.6	281.487	1.17	44.30
60.0	60.7	10.909	33.697	10.902	25.778	25.779	30.249	26.049	1491.6	222.114	1.16	17.66
70.0	70.8	10.184	33.662	10.177	25.877	25.878	30.362	26.195	1489.0	212.801	1.13	18.94
80.0	80.9	9.476	33.658	9.467	25.991	25.992	30.490	26.356	1486.4	202.048	1.11	13.63
90.0	91.0	9.217	33.680	9.208	26.050	26.052	30.555	26.461	1485.5	196.576	1.09	9.49
100.0	101.1	9.058	33.684	9.047	26.079	26.081	30.587	26.535	1485.0	194.010	1.07	10.16
120.0	121.4	8.680	33.692	8.668	26.145	26.146	30.660	26.693	1483.6	188.054	1.05	13.04
140.0	141.6	8.501	33.796	8.486	26.253	26.255	30.772	26.893	1483.1	178.076	1.01	12.30
160.0	161.9	8.479	33.915	8.462	26.350	26.352	30.868	27.081	1483.2	169.272	.97	9.09
180.0	182.1	8.178	33.924	8.160	26.402	26.405	30.927	27.226	1482.1	164.525	.93	.91
200.0	202.3	7.925	33.876	7.905	26.403	26.406	30.933	27.319	1481.1	164.716	.90	8.83
225.0	227.6	7.559	33.888	7.538	26.465	26.468	31.003	27.497	1479.8	159.081	.87	8.02
250.0	253.0	7.390	33.922	7.366	26.516	26.519	31.058	27.663	1479.2	154.540	.83	-2.54
275.0	278.3	7.124	33.868	7.098	26.510	26.514	31.059	27.773	1478.2	155.266	.79	8.21
300.0	303.6	6.897	33.897	6.869	26.564	26.568	31.118	27.943	1477.4	150.424	.75	7.00
325.0	328.9	6.533	33.885	6.504	26.603	26.607	31.164	28.099	1476.0	146.855	.71	6.59
350.0	354.2	6.227	33.878	6.197	26.637	26.641	31.206	28.250	1474.8	143.708	.67	6.14
375.0	379.5	5.974	33.875	5.942	26.667	26.671	31.242	28.396	1473.8	140.999	.63	7.95
400.0	404.9	5.856	33.920	5.822	26.718	26.722	31.294	28.563	1473.5	136.454	.60	4.38
425.0	430.2	5.646	33.907	5.611	26.733	26.737	31.314	28.694	1472.6	135.134	.56	7.87
450.0	455.5	5.318	33.919	5.281	26.782	26.786	31.371	28.861	1471.4	130.465	.53	5.52
475.0	480.9	5.122	33.921	5.084	26.806	26.810	31.400	29.003	1470.6	128.255	.49	9.55
500.0	506.2	4.907	33.981	4.868	26.878	26.883	31.477	29.192	1469.9	121.455	.46	-2.99
525.0	531.5	4.791	33.956	4.750	26.871	26.876	31.473	29.301	1469.4	122.253	.43	7.51
550.0	556.9	4.702	34.000	4.660	26.916	26.921	31.520	29.462	1469.1	118.165	.40	10.97
575.0	582.2	4.483	34.091	4.440	27.012	27.017	31.620	29.676	1468.4	109.118	.37	-4.90
600.0	607.6	4.372	34.051	4.327	26.993	26.997	31.604	29.773	1467.9	111.011	.34	5.69
650.0	658.3	4.162	34.088	4.114	27.044	27.049	31.660	30.057	1467.2	106.324	.31	5.37
700.0	709.0	4.046	34.130	3.995	27.090	27.095	31.709	30.335	1466.8	102.268	.25	-7.25
750.0	759.7	4.271	34.055	4.214	27.006	27.012	31.621	30.478	1467.8	110.907	.20	9.97
800.0	810.5	3.599	34.167	3.542	27.163	27.169	31.794	30.877	1465.2	95.360	.15	4.80
850.0	861.2	3.581	34.210	3.521	27.200	27.206	31.831	31.144	1465.2	92.267	.09	7.10
900.0	912.0	3.309	34.278	3.246	27.280	27.286	31.917	31.459	1464.3	84.596	.00	9.92

STATION 81

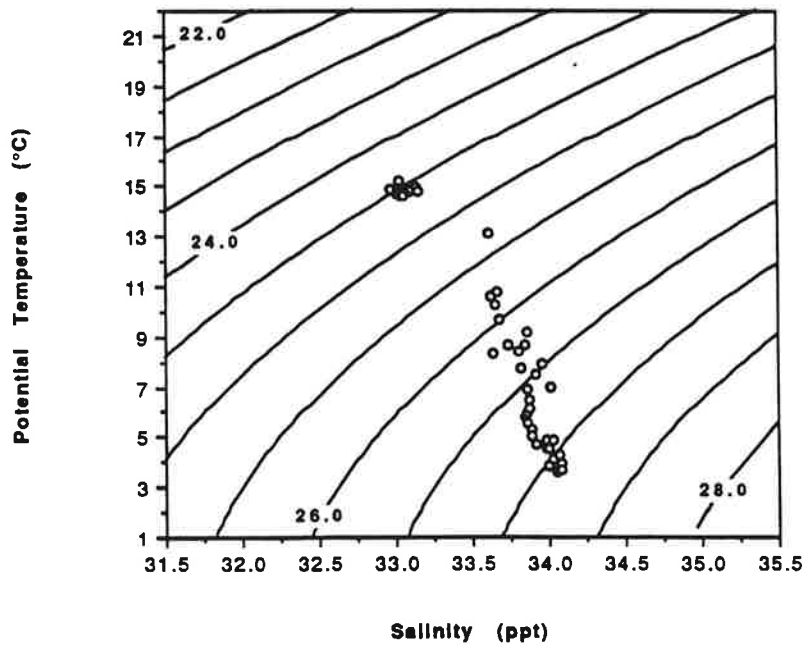
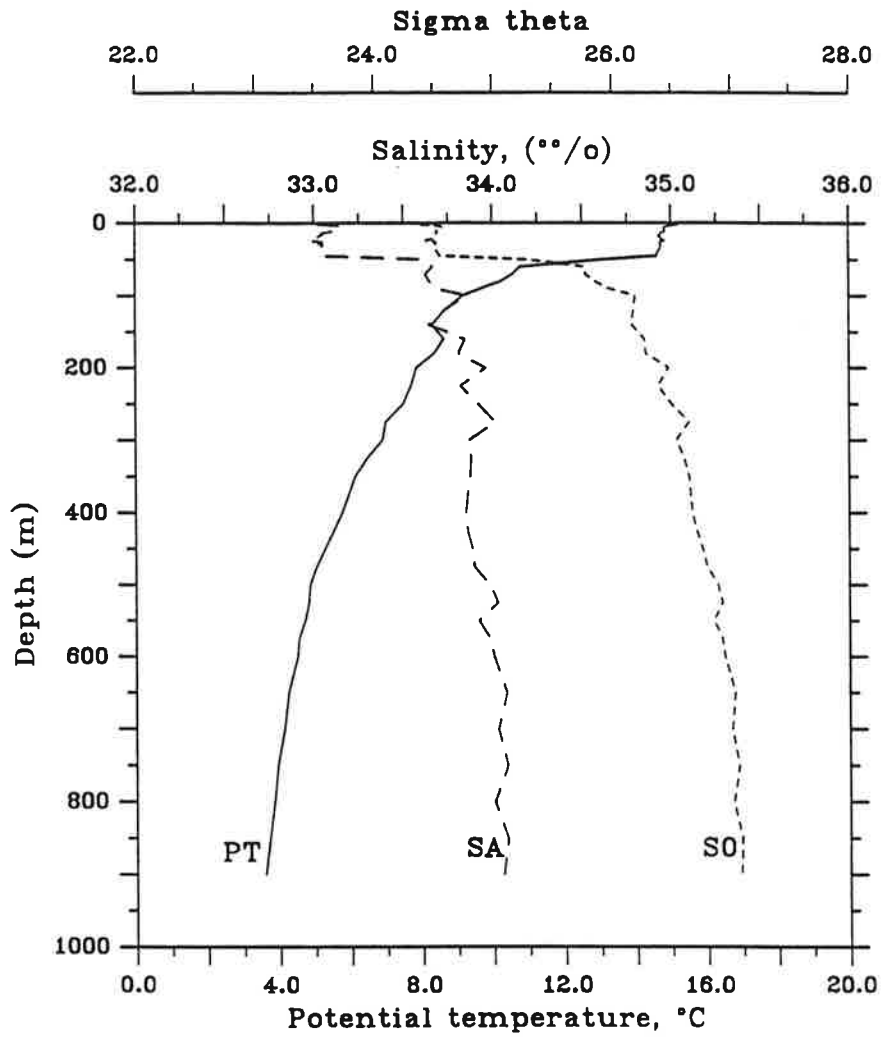


## STATION 82

LATITUDE: 42.2528 N LONGITUDE: 160.9989 W DATE: 13 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	15.208	33.025	15.208	24.405	24.405	28.807	24.405	1505.0	351.419	1.38	.00
2.0	2.0	15.208	33.025	15.208	24.405	24.405	28.807	24.414	1505.0	351.473	1.36	46.82
4.0	4.0	14.978	33.141	14.978	24.545	24.545	28.950	24.563	1504.4	338.224	1.35	25.12
6.0	6.1	14.810	33.146	14.809	24.585	24.585	28.993	24.612	1503.9	334.447	1.35	-24.57
8.0	8.1	14.806	33.096	14.805	24.546	24.547	28.955	24.582	1503.8	338.165	1.34	-16.57
10.0	10.1	14.847	33.084	14.846	24.529	24.529	28.937	24.574	1504.0	339.885	1.33	16.53
12.0	12.1	14.838	33.104	14.836	24.546	24.547	28.954	24.600	1504.0	338.281	1.32	-18.25
14.0	14.2	14.720	33.044	14.718	24.525	24.526	28.935	24.588	1503.5	340.351	1.32	13.64
16.0	16.2	14.697	33.053	14.695	24.537	24.538	28.947	24.609	1503.5	339.276	1.31	-10.31
18.0	18.2	14.652	33.032	14.649	24.530	24.531	28.941	24.611	1503.3	339.972	1.30	-20.34
20.0	20.2	14.737	33.021	14.734	24.504	24.504	28.914	24.594	1503.6	342.537	1.30	-4.62
22.0	22.2	14.727	33.016	14.724	24.503	24.503	28.913	24.601	1503.5	342.720	1.29	-30.02
24.0	24.3	14.842	32.974	14.838	24.445	24.446	28.854	24.553	1503.8	348.244	1.28	37.06
26.0	26.3	14.709	33.050	14.705	24.533	24.533	28.943	24.649	1503.5	339.963	1.28	-14.69
28.0	28.3	14.691	33.028	14.687	24.519	24.520	28.930	24.645	1503.4	341.323	1.27	15.55
30.0	30.3	14.719	33.055	14.715	24.534	24.535	28.945	24.669	1503.6	339.910	1.26	-10.69
35.0	35.4	14.712	33.030	14.707	24.516	24.517	28.927	24.673	1503.5	341.775	1.25	13.12
40.0	40.5	14.626	33.042	14.620	24.544	24.545	28.956	24.723	1503.3	339.294	1.24	9.53
45.0	45.5	14.615	33.057	14.608	24.558	24.559	28.971	24.760	1503.2	338.049	1.22	68.07
50.0	50.6	13.112	33.611	13.105	25.295	25.297	29.729	25.521	1499.0	267.888	1.20	38.86
60.0	60.7	10.783	33.667	10.775	25.777	25.778	30.251	26.049	1491.1	222.178	1.19	2.65
70.0	70.8	10.586	33.625	10.577	25.779	25.780	30.257	26.097	1490.4	222.154	1.16	15.26
80.0	80.9	10.258	33.648	10.249	25.853	25.855	30.337	26.217	1489.2	215.268	1.14	19.61
90.0	91.0	9.691	33.683	9.681	25.976	25.977	30.471	26.385	1487.3	203.751	1.12	26.22
100.0	101.2	9.175	33.856	9.165	26.195	26.196	30.698	26.651	1485.6	183.061	1.10	-4.86
120.0	121.4	8.660	33.733	8.647	26.179	26.181	30.695	26.728	1483.6	184.746	1.08	-5.11
140.0	141.6	8.314	33.644	8.299	26.163	26.165	30.686	26.803	1482.2	186.585	1.04	13.07
160.0	161.9	8.634	33.846	8.617	26.272	26.274	30.788	27.003	1483.7	176.700	1.00	4.29
180.0	182.1	8.371	33.809	8.352	26.283	26.286	30.805	27.107	1482.7	175.852	.96	17.45
200.0	202.3	7.871	33.961	7.851	26.477	26.480	31.008	27.393	1481.0	157.629	.93	-10.57
225.0	227.7	7.720	33.820	7.698	26.388	26.391	30.924	27.419	1480.3	166.395	.89	11.79
250.0	253.0	7.493	33.919	7.469	26.499	26.502	31.039	27.645	1479.6	156.194	.85	13.54
275.0	278.3	6.993	34.016	6.968	26.645	26.648	31.195	27.908	1477.8	142.500	.81	-11.47
300.0	303.6	6.905	33.867	6.877	26.540	26.544	31.093	27.919	1477.4	152.729	.77	9.08
325.0	328.9	6.477	33.878	6.448	26.605	26.609	31.168	28.101	1475.7	146.605	.74	7.04
350.0	354.2	6.141	33.873	6.111	26.644	26.648	31.215	28.257	1474.4	142.978	.70	3.79
375.0	379.6	5.958	33.858	5.926	26.656	26.660	31.230	28.385	1473.7	142.073	.66	4.38
400.0	404.9	5.774	33.848	5.740	26.671	26.675	31.250	28.517	1473.0	140.790	.62	6.73
425.0	430.2	5.540	33.858	5.505	26.707	26.711	31.291	28.670	1472.2	137.475	.59	7.92
450.0	455.5	5.295	33.884	5.259	26.757	26.761	31.347	28.836	1471.2	132.823	.55	6.78
475.0	480.9	5.052	33.894	5.015	26.793	26.797	31.388	28.990	1470.3	129.404	.52	10.69
500.0	506.2	4.873	33.983	4.834	26.884	26.888	31.483	29.198	1469.7	120.907	.48	6.94
525.0	531.6	4.835	34.027	4.795	26.922	26.927	31.522	29.352	1469.7	117.509	.45	-9.62
550.0	556.9	4.729	33.918	4.687	26.848	26.853	31.451	29.394	1469.1	124.576	.42	9.43
575.0	582.2	4.553	33.983	4.509	26.919	26.924	31.526	29.582	1468.5	117.934	.39	5.11
600.0	607.6	4.514	34.004	4.469	26.940	26.945	31.548	29.719	1468.4	116.166	.36	7.25
650.0	658.3	4.254	34.074	4.205	27.023	27.028	31.637	30.035	1467.5	108.406	.33	-3.97
700.0	709.0	4.131	34.026	4.079	26.998	27.003	31.616	30.242	1467.1	111.020	.27	6.16
750.0	759.8	3.946	34.077	3.891	27.058	27.063	31.680	30.535	1466.4	105.480	.22	-5.42
800.0	810.5	3.838	34.005	3.781	27.011	27.017	31.637	30.720	1466.0	110.084	.16	6.67
850.0	861.2	3.713	34.078	3.652	27.081	27.087	31.710	31.023	1465.6	103.600	.11	-1.97
900.0	912.0	3.583	34.054	3.520	27.075	27.081	31.707	31.249	1465.1	104.301	.00	9.66

STATION 82

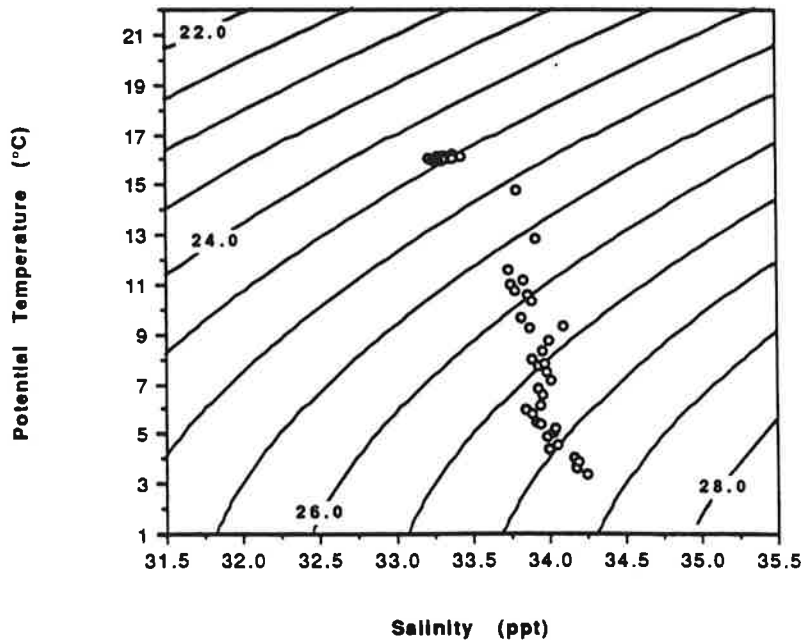
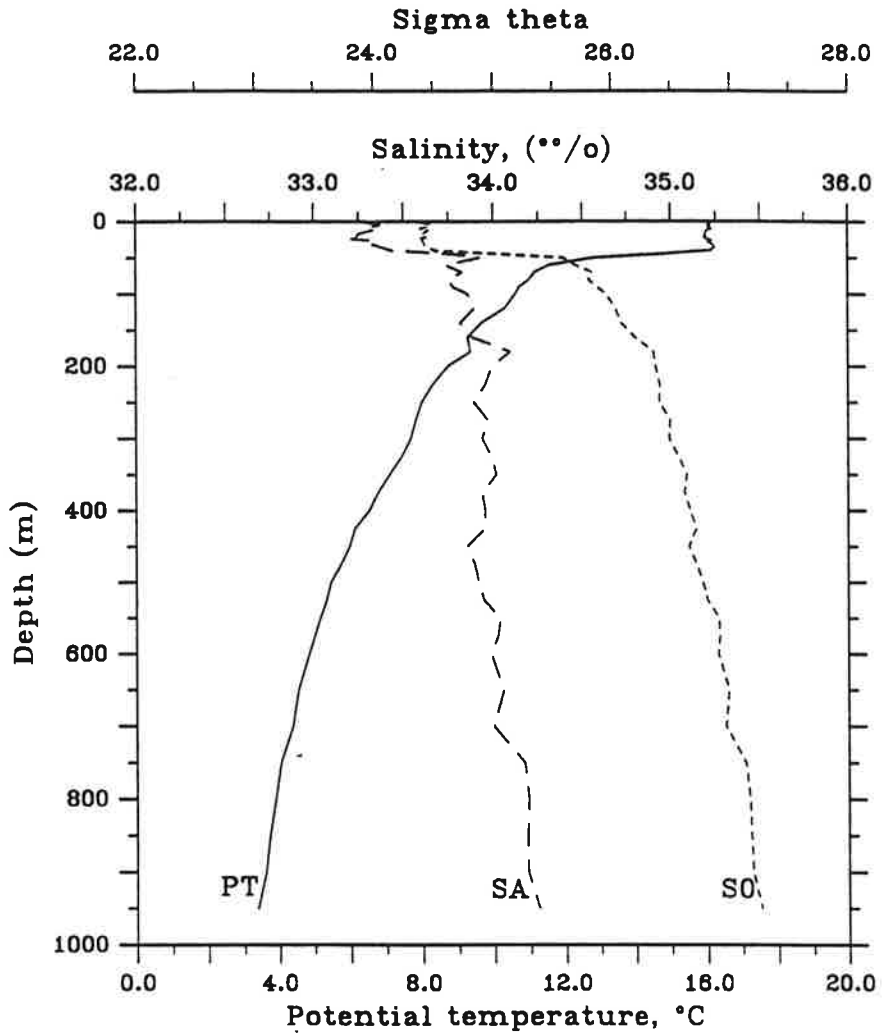


## STATION 85

LATITUDE: 41.2500 N LONGITUDE: 161.0000 W DATE: 14 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIGZ	SOUND	AVOL	DYNH	BVAI
.0	.0	16.137	33.306	16.137	24.415	24.415	28.801	24.415	1508.2	350.509	1.46	.00
2.0	2.0	16.137	33.306	16.136	24.415	24.415	28.801	24.424	1508.3	350.565	1.43	34.54
4.0	4.0	16.036	33.375	16.035	24.491	24.491	28.878	24.509	1508.0	343.383	1.42	-20.70
6.0	6.0	16.113	33.362	16.112	24.463	24.464	28.850	24.490	1508.2	346.041	1.42	-19.71
8.0	8.1	16.044	33.310	16.043	24.439	24.439	28.826	24.474	1508.0	348.456	1.41	-26.56
10.0	10.1	16.155	33.284	16.153	24.394	24.394	28.780	24.438	1508.3	352.793	1.40	32.81
12.0	12.1	16.026	33.335	16.024	24.462	24.463	28.851	24.516	1508.0	346.318	1.39	-16.96
14.0	14.1	15.987	33.300	15.985	24.444	24.444	28.833	24.507	1507.8	348.118	1.39	-18.49
16.0	16.1	15.979	33.269	15.977	24.422	24.423	28.812	24.494	1507.7	350.249	1.38	-13.91
18.0	18.1	15.955	33.246	15.953	24.410	24.410	28.800	24.490	1507.6	351.480	1.37	-12.29
20.0	20.1	15.991	33.244	15.988	24.400	24.401	28.790	24.490	1507.8	352.454	1.37	26.20
22.0	22.1	15.932	33.284	15.928	24.444	24.445	28.834	24.542	1507.6	348.344	1.36	-33.40
24.0	24.1	16.017	33.216	16.013	24.373	24.374	28.762	24.480	1507.8	355.171	1.35	26.39
26.0	26.2	16.155	33.315	16.151	24.417	24.418	28.804	24.533	1508.4	351.009	1.34	7.46
28.0	28.2	16.041	33.285	16.036	24.421	24.422	28.810	24.546	1508.0	350.724	1.34	-3.45
30.0	30.2	16.120	33.308	16.116	24.420	24.421	28.808	24.554	1508.2	350.857	1.33	12.42
35.0	35.2	16.238	33.375	16.233	24.445	24.446	28.830	24.601	1508.7	348.668	1.32	21.37
40.0	40.3	16.125	33.436	16.119	24.517	24.519	28.904	24.696	1508.4	341.883	1.31	59.79
45.0	45.3	14.767	33.785	14.761	25.086	25.088	29.492	25.288	1504.6	287.776	1.29	56.19
50.0	50.3	12.846	33.923	12.840	25.589	25.591	30.025	25.815	1498.5	239.953	1.27	17.67
60.0	60.4	11.576	33.738	11.569	25.689	25.690	30.148	25.960	1493.9	230.626	1.26	21.44
70.0	70.5	11.153	33.827	11.144	25.835	25.837	30.302	26.152	1492.6	216.889	1.23	-10.04
80.0	80.5	11.006	33.752	10.996	25.803	25.805	30.273	26.166	1492.0	220.137	1.21	14.80
90.0	90.6	10.724	33.777	10.713	25.873	25.875	30.348	26.281	1491.1	213.680	1.19	15.93
100.0	100.7	10.618	33.857	10.606	25.954	25.956	30.430	26.407	1490.8	206.203	1.17	11.21
120.0	120.8	10.319	33.893	10.305	26.034	26.036	30.516	26.579	1489.8	198.962	1.15	8.71
140.0	140.9	9.674	33.815	9.658	26.082	26.084	30.577	26.719	1487.4	194.625	1.10	13.55
160.0	161.1	9.273	33.881	9.256	26.199	26.202	30.702	26.928	1486.1	183.807	1.06	15.58
180.0	181.2	9.356	34.097	9.337	26.354	26.357	30.854	27.174	1486.7	169.544	1.03	5.21
200.0	201.4	8.748	33.995	8.727	26.371	26.374	30.884	27.284	1484.4	168.068	.99	6.61
225.0	226.5	8.327	33.956	8.304	26.405	26.409	30.928	27.434	1482.8	165.044	.95	-2.37
250.0	251.7	8.010	33.890	7.985	26.401	26.404	30.930	27.545	1481.5	165.745	.91	10.58
275.0	276.9	7.843	33.972	7.816	26.490	26.494	31.023	27.749	1481.1	157.630	.87	-3.07
300.0	302.1	7.703	33.937	7.674	26.482	26.487	31.019	27.856	1480.5	158.667	.83	9.89
325.0	327.3	7.454	33.990	7.423	26.560	26.565	31.101	28.049	1479.7	151.549	.79	9.37
350.0	352.5	7.114	34.018	7.081	26.630	26.634	31.178	28.236	1478.4	145.101	.75	-5.00
375.0	377.7	6.786	33.936	6.752	26.610	26.614	31.166	28.332	1477.1	147.108	.71	7.69
400.0	402.9	6.534	33.953	6.498	26.657	26.661	31.219	28.496	1476.2	142.815	.67	7.91
425.0	428.1	6.140	33.951	6.103	26.706	26.711	31.277	28.663	1474.7	138.113	.64	-8.65
450.0	453.3	5.993	33.852	5.954	26.646	26.651	31.221	28.719	1474.0	143.920	.60	8.87
475.0	478.5	5.751	33.893	5.711	26.709	26.714	31.289	28.899	1473.1	138.082	.57	8.09
500.0	503.7	5.466	33.915	5.424	26.761	26.765	31.347	29.069	1472.0	133.171	.53	6.83
525.0	528.9	5.349	33.944	5.306	26.798	26.803	31.387	29.222	1471.7	129.827	.49	10.94
550.0	554.2	5.168	34.038	5.124	26.893	26.898	31.486	29.433	1471.1	120.921	.46	2.88
575.0	579.4	5.015	34.023	4.969	26.899	26.905	31.496	29.557	1470.5	120.383	.43	-3.83
600.0	604.6	4.852	33.985	4.805	26.888	26.893	31.488	29.662	1469.8	121.538	.40	7.49
650.0	655.1	4.544	34.054	4.495	26.977	26.982	31.584	29.985	1468.7	113.221	.37	-4.03
700.0	705.5	4.380	33.999	4.327	26.950	26.956	31.563	30.191	1468.1	115.880	.31	10.36
750.0	756.0	4.038	34.169	3.983	27.121	27.127	31.741	30.596	1466.9	99.741	.25	4.55
800.0	806.5	3.885	34.190	3.826	27.154	27.160	31.778	30.862	1466.4	96.807	.19	2.70
850.0	857.0	3.716	34.183	3.655	27.165	27.171	31.793	31.106	1465.8	95.812	.14	2.99
900.0	907.5	3.603	34.187	3.539	27.179	27.185	31.810	31.352	1465.4	94.641	.10	6.75
950.0	958.0	3.373	34.250	3.306	27.251	27.258	31.888	31.659	1464.6	87.756	.00	9.71

STATION 85



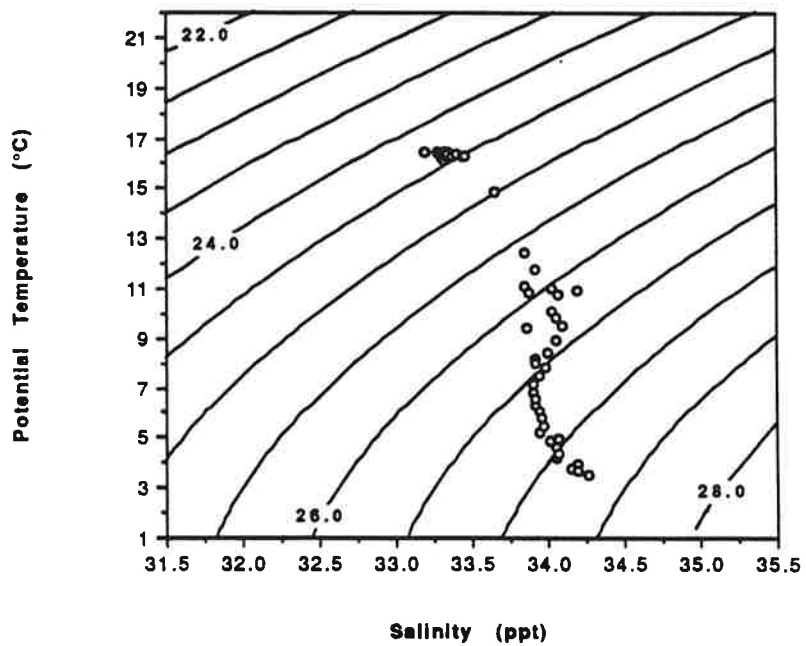
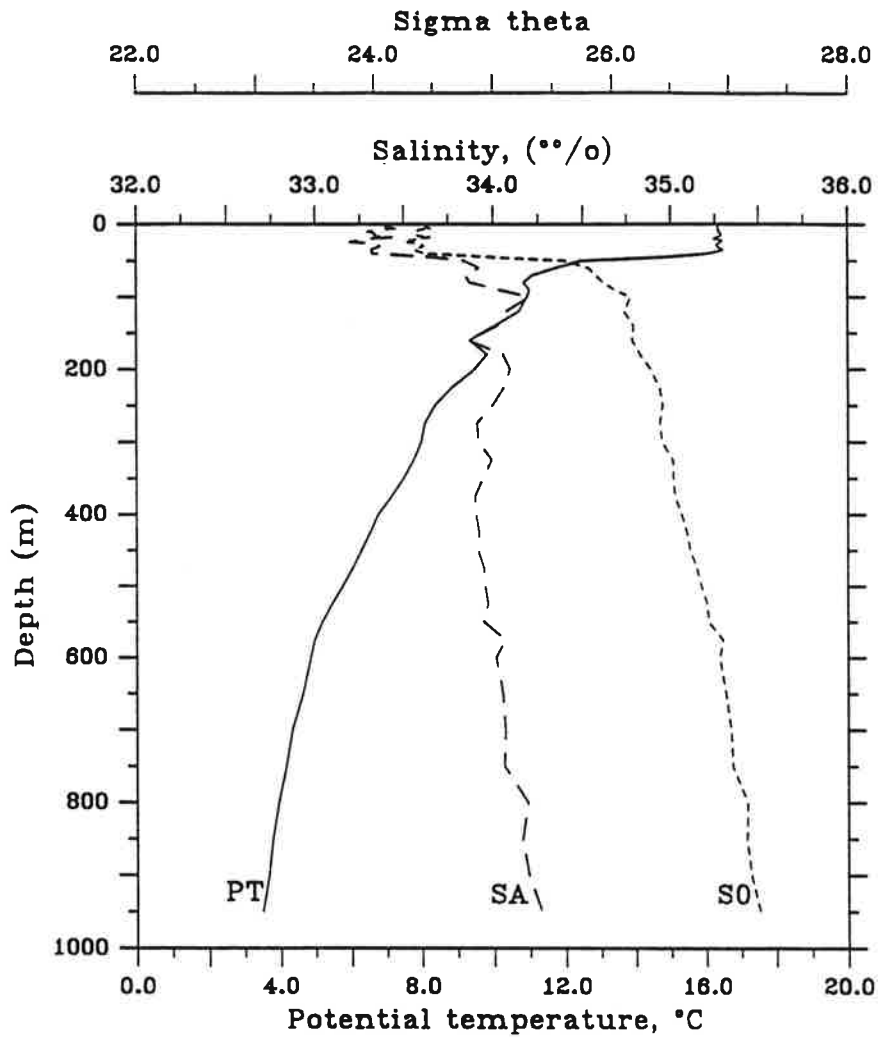
## STATION 86

LATITUDE: 41.0000 N LONGITUDE: 161.0000 W DATE: 14 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIGZ	SOUND	AVOL	DYNH	BVA1
.0	.0	16.347	33.400	16.347	24.439	24.439	28.822	24.439	1509.0	348.210	1.47	.00
2.0	2.0	16.347	33.400	16.347	24.439	24.439	28.822	24.448	1509.0	348.267	1.44	.33
4.0	4.0	16.347	33.400	16.346	24.439	24.439	28.822	24.457	1509.0	348.325	1.44	27.46
6.0	6.0	16.327	33.457	16.327	24.487	24.487	28.870	24.514	1509.0	343.807	1.43	-39.99
8.0	8.0	16.398	33.345	16.397	24.385	24.385	28.767	24.421	1509.1	353.570	1.42	-20.05
10.0	10.1	16.346	33.296	16.344	24.359	24.360	28.743	24.404	1508.9	356.067	1.41	16.03
12.0	12.1	16.416	33.338	16.414	24.376	24.376	28.758	24.429	1509.2	354.568	1.41	-14.70
14.0	14.1	16.449	33.330	16.447	24.362	24.362	28.744	24.424	1509.3	355.938	1.40	14.60
16.0	16.1	16.424	33.340	16.422	24.375	24.376	28.758	24.447	1509.2	354.703	1.39	40.74
18.0	18.1	16.303	33.442	16.300	24.481	24.482	28.865	24.562	1508.9	344.689	1.39	-38.33
20.0	20.1	16.236	33.300	16.233	24.388	24.388	28.773	24.477	1508.6	353.658	1.38	-32.41
22.0	22.1	16.476	33.285	16.472	24.321	24.322	28.703	24.419	1509.3	360.096	1.37	-29.98
24.0	24.1	16.442	33.200	16.438	24.264	24.264	28.647	24.371	1509.1	365.605	1.36	36.05
26.0	26.2	16.375	33.288	16.371	24.346	24.347	28.730	24.462	1509.0	357.777	1.36	30.13
28.0	28.2	16.294	33.339	16.289	24.404	24.405	28.789	24.529	1508.8	352.325	1.35	16.93
30.0	30.2	16.317	33.369	16.313	24.422	24.424	28.807	24.556	1508.9	350.646	1.34	-22.44
35.0	35.2	16.491	33.317	16.485	24.342	24.344	28.725	24.498	1509.4	358.432	1.34	23.78
40.0	40.2	16.112	33.321	16.106	24.432	24.434	28.820	24.611	1508.3	349.980	1.32	57.72
45.0	45.3	14.891	33.659	14.884	24.962	24.964	29.367	25.164	1504.8	299.557	1.30	63.36
50.0	50.3	12.461	33.842	12.455	25.602	25.603	30.045	25.827	1497.1	238.725	1.28	24.95
60.0	60.4	11.747	33.922	11.739	25.800	25.802	30.255	26.071	1494.8	220.057	1.27	13.55
70.0	70.4	11.105	33.846	11.096	25.858	25.860	30.326	26.176	1492.5	214.659	1.25	14.26
80.0	80.5	10.854	33.871	10.844	25.923	25.925	30.395	26.286	1491.6	208.690	1.22	17.46
90.0	90.5	11.018	34.034	11.007	26.021	26.022	30.489	26.428	1492.4	199.710	1.20	21.03
100.0	100.6	10.952	34.200	10.939	26.162	26.164	30.630	26.615	1492.4	186.551	1.18	-9.47
120.0	120.8	10.721	34.074	10.707	26.104	26.107	30.578	26.648	1491.5	192.366	1.16	11.21
140.0	140.9	10.047	34.027	10.031	26.184	26.187	30.671	26.820	1489.0	185.041	1.12	-4.18
160.0	161.0	9.359	33.866	9.341	26.173	26.176	30.674	26.902	1486.4	186.307	1.08	10.45
180.0	181.1	9.839	34.056	9.818	26.243	26.246	30.734	27.061	1488.4	180.249	1.05	11.58
200.0	201.3	9.502	34.094	9.480	26.328	26.331	30.826	27.238	1487.2	172.435	1.01	9.80
225.0	226.5	8.872	34.062	8.848	26.404	26.408	30.915	27.431	1484.9	165.410	.97	5.63
250.0	251.6	8.385	33.998	8.359	26.429	26.433	30.951	27.571	1483.1	163.255	.93	-5.55
275.0	276.8	8.102	33.912	8.075	26.404	26.409	30.933	27.662	1482.0	165.861	.89	5.11
300.0	302.0	8.002	33.919	7.972	26.425	26.430	30.956	27.797	1481.6	164.256	.85	10.64
325.0	327.2	7.780	33.993	7.747	26.515	26.520	31.050	28.003	1480.9	156.007	.80	2.05
350.0	352.4	7.496	33.945	7.463	26.518	26.523	31.060	28.122	1479.8	155.903	.76	4.13
375.0	377.6	7.150	33.900	7.115	26.532	26.537	31.081	28.252	1478.5	154.756	.72	8.43
400.0	402.7	6.765	33.905	6.728	26.588	26.593	31.145	28.425	1477.0	149.473	.68	7.52
425.0	427.9	6.532	33.922	6.494	26.633	26.638	31.195	28.587	1476.2	145.372	.64	5.83
450.0	453.1	6.284	33.916	6.245	26.660	26.665	31.228	28.730	1475.2	142.935	.61	8.53
475.0	478.3	6.036	33.949	5.994	26.718	26.723	31.291	28.905	1474.3	137.560	.57	6.94
500.0	503.5	5.765	33.954	5.723	26.756	26.761	31.336	29.060	1473.3	133.979	.53	7.91
525.0	528.7	5.462	33.971	5.419	26.805	26.810	31.392	29.228	1472.1	129.258	.50	3.79
550.0	554.0	5.198	33.945	5.153	26.816	26.821	31.409	29.357	1471.1	128.164	.47	12.31
575.0	579.2	4.975	34.065	4.930	26.937	26.942	31.534	29.595	1470.4	116.807	.43	-5.87
600.0	604.4	4.865	34.014	4.818	26.909	26.915	31.510	29.683	1469.9	119.510	.40	5.77
650.0	654.8	4.642	34.050	4.592	26.962	26.968	31.568	29.969	1469.1	114.724	.37	5.24
700.0	705.3	4.338	34.063	4.285	27.006	27.011	31.619	30.247	1468.0	110.643	.31	3.05
750.0	755.7	4.160	34.057	4.104	27.020	27.026	31.638	30.494	1467.3	109.414	.25	8.91
800.0	806.2	3.941	34.188	3.882	27.146	27.152	31.769	30.853	1466.6	97.606	.20	-1.90
850.0	856.7	3.768	34.158	3.707	27.140	27.146	31.767	31.080	1466.0	98.237	.15	4.90
900.0	907.2	3.657	34.193	3.593	27.178	27.185	31.808	31.350	1465.6	94.829	.10	6.82
950.0	957.7	3.481	34.264	3.413	27.252	27.259	31.886	31.657	1465.0	87.913	.00	9.69



## STATION 86

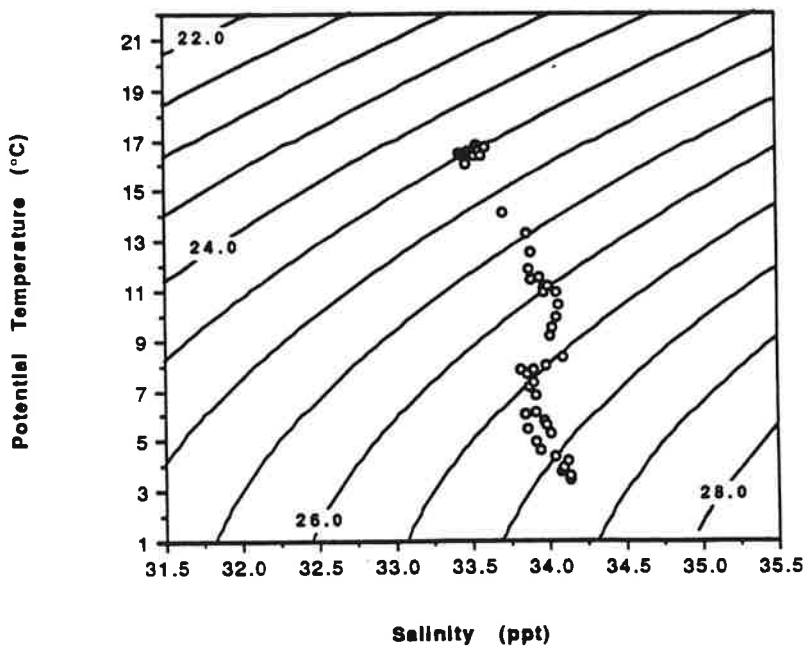
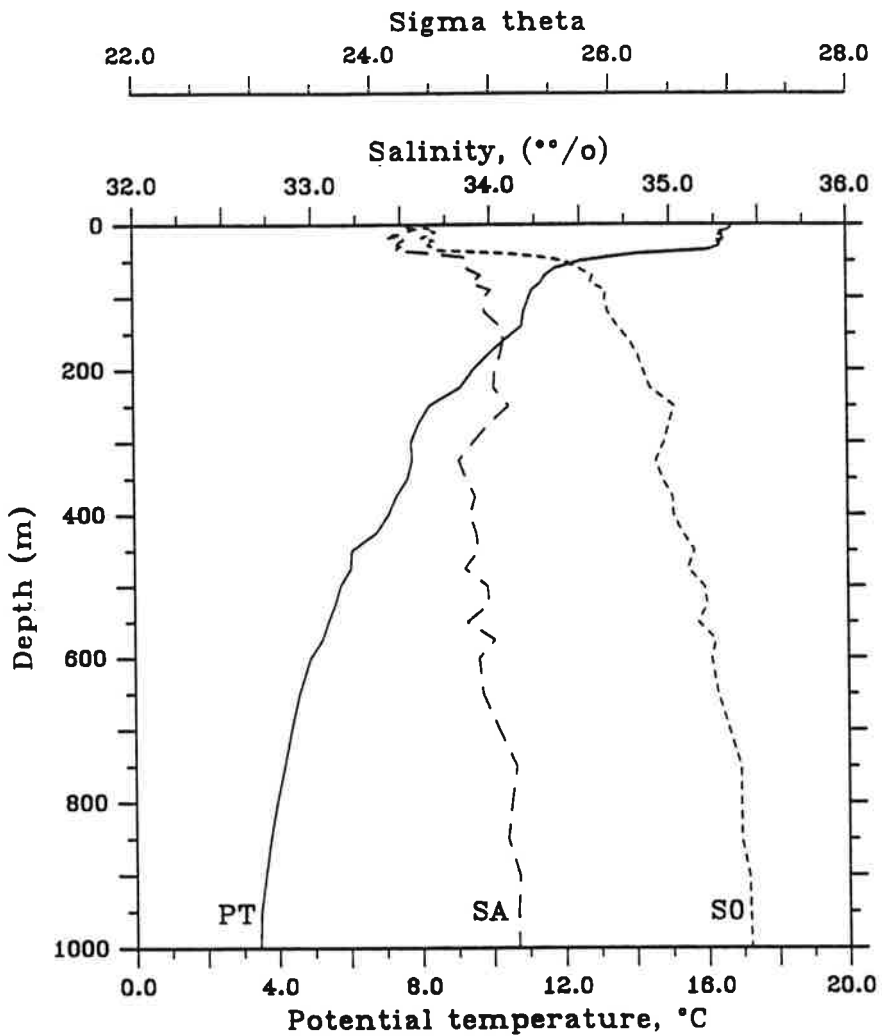


## STATION 88

LATITUDE: 40.5000 N LONGITUDE: 161.0000 W DATE: 14 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	16.755	33.541	16.755	24.453	24.453	28.829	24.453	1510.4	346.883	1.55	.00
2.0	2.0	16.755	33.541	16.755	24.453	24.453	28.829	24.462	1510.4	346.942	1.52	.33
4.0	4.0	16.755	33.541	16.754	24.453	24.453	28.829	24.471	1510.4	347.001	1.51	29.67
6.0	6.0	16.679	33.591	16.678	24.509	24.509	28.866	24.536	1510.2	341.718	1.51	-18.05
8.0	8.1	16.617	33.545	16.616	24.488	24.488	28.866	24.524	1510.0	343.754	1.50	31.33
10.0	10.1	16.407	33.563	16.406	24.551	24.551	28.932	24.595	1509.4	337.856	1.49	-21.02
12.0	12.1	16.517	33.559	16.515	24.522	24.523	28.902	24.576	1509.7	340.596	1.49	-27.09
14.0	14.1	16.382	33.458	16.380	24.476	24.476	28.858	24.538	1509.2	345.104	1.48	-11.64
16.0	16.1	16.508	33.485	16.505	24.467	24.468	28.847	24.538	1509.6	345.987	1.47	-23.87
18.0	18.1	16.491	33.432	16.488	24.431	24.431	28.812	24.511	1509.5	349.504	1.46	29.24
20.0	20.1	16.536	33.517	16.533	24.485	24.486	28.865	24.574	1509.7	344.377	1.46	27.81
22.0	22.2	16.338	33.522	16.335	24.534	24.535	28.917	24.633	1509.2	339.740	1.45	-28.55
24.0	24.2	16.467	33.492	16.463	24.483	24.483	28.864	24.590	1509.5	344.748	1.44	19.12
26.0	26.2	16.359	33.490	16.355	24.506	24.507	28.889	24.622	1509.2	342.586	1.44	-19.35
28.0	28.2	16.431	33.481	16.426	24.482	24.483	28.864	24.607	1509.4	344.919	1.43	22.22
30.0	30.2	16.380	33.507	16.375	24.513	24.514	28.896	24.647	1509.3	341.980	1.42	16.47
35.0	35.3	16.064	33.469	16.059	24.556	24.558	28.944	24.713	1508.3	337.996	1.42	61.46
40.0	40.3	14.129	33.702	14.123	25.158	25.159	29.574	25.337	1502.4	280.790	1.40	42.73
45.0	45.3	13.290	33.855	13.283	25.449	25.450	29.878	25.651	1499.9	253.214	1.38	32.87
50.0	50.4	12.536	33.885	12.529	25.621	25.622	30.063	25.846	1497.4	236.925	1.37	19.69
60.0	60.5	11.820	33.868	11.812	25.744	25.746	30.198	26.016	1494.9	225.355	1.36	18.98
70.0	70.5	11.540	33.949	11.531	25.859	25.861	30.318	26.176	1494.1	214.650	1.33	-8.42
80.0	80.6	11.414	33.890	11.405	25.837	25.838	30.298	26.199	1493.6	217.009	1.31	20.51
90.0	90.7	11.168	34.005	11.157	25.971	25.972	30.436	26.378	1492.9	204.475	1.29	-6.63
100.0	100.8	11.086	33.968	11.074	25.956	25.959	30.424	26.409	1492.6	206.015	1.27	6.49
120.0	120.9	10.941	33.968	10.926	25.983	25.986	30.454	26.527	1492.1	203.884	1.25	11.23
140.0	141.1	10.880	34.058	10.863	26.064	26.067	30.535	26.698	1492.0	196.683	1.20	12.68
160.0	161.3	10.377	34.076	10.358	26.166	26.169	30.647	26.892	1490.3	187.258	1.16	9.95
180.0	181.4	9.918	34.056	9.897	26.229	26.232	30.719	27.047	1488.7	181.556	1.12	8.40
200.0	201.6	9.507	34.026	9.484	26.274	26.278	30.772	27.184	1487.2	177.547	1.09	8.43
225.0	226.8	9.127	34.019	9.102	26.330	26.334	30.837	27.356	1485.8	172.515	1.05	15.71
250.0	252.0	8.284	34.103	8.258	26.527	26.531	31.050	27.669	1482.8	153.973	1.00	-7.32
275.0	277.2	7.968	33.988	7.941	26.484	26.488	31.014	27.742	1481.5	158.275	.96	-7.09
300.0	302.5	7.763	33.898	7.734	26.444	26.448	30.979	27.817	1480.7	162.352	.92	-9.18
325.0	327.7	7.787	33.817	7.754	26.376	26.381	30.912	27.864	1480.7	169.114	.88	7.97
350.0	352.9	7.656	33.857	7.622	26.427	26.432	30.965	28.029	1480.3	164.649	.84	10.30
375.0	378.1	7.329	33.906	7.293	26.511	26.516	31.057	28.230	1479.2	156.817	.80	2.96
400.0	403.4	7.110	33.875	7.072	26.518	26.523	31.069	28.353	1478.3	156.363	.76	9.61
425.0	428.6	6.773	33.910	6.734	26.591	26.597	31.149	28.543	1477.1	149.501	.72	11.21
450.0	453.8	6.082	33.923	6.043	26.691	26.696	31.264	28.763	1474.4	139.784	.68	-8.52
475.0	479.1	6.058	33.845	6.017	26.633	26.638	31.207	28.820	1474.3	145.525	.64	13.25
500.0	504.3	5.755	33.974	5.712	26.773	26.778	31.353	29.077	1473.3	132.358	.60	5.34
525.0	529.6	5.612	33.981	5.568	26.795	26.801	31.379	29.216	1472.8	130.365	.57	-9.64
550.0	554.8	5.416	33.857	5.371	26.721	26.726	31.310	29.259	1471.9	137.406	.54	13.52
575.0	580.1	5.243	34.015	5.196	26.867	26.872	31.458	29.521	1471.4	123.781	.50	-6.60
600.0	605.3	4.917	33.923	4.870	26.831	26.837	31.431	29.605	1470.0	126.904	.47	5.75
650.0	655.8	4.598	33.945	4.548	26.883	26.889	31.491	29.891	1468.8	122.023	.44	7.83
700.0	706.4	4.373	34.037	4.320	26.981	26.987	31.594	30.222	1468.1	112.989	.37	7.77
750.0	756.9	4.171	34.131	4.115	27.077	27.083	31.694	30.550	1467.4	104.088	.31	.56
800.0	807.5	3.958	34.103	3.900	27.077	27.083	31.700	30.784	1466.6	104.108	.26	1.10
850.0	858.0	3.774	34.082	3.713	27.079	27.085	31.706	31.019	1465.9	103.995	.20	6.28
900.0	908.6	3.629	34.143	3.564	27.141	27.148	31.772	31.314	1465.4	98.216	.15	2.35
950.0	959.2	3.484	34.136	3.417	27.150	27.156	31.784	31.555	1464.9	97.469	.10	1.86
1000.0	1009.8	3.454	34.139	3.383	27.155	27.162	31.791	31.791	1464.8	97.243	.00	9.25

STATION 88

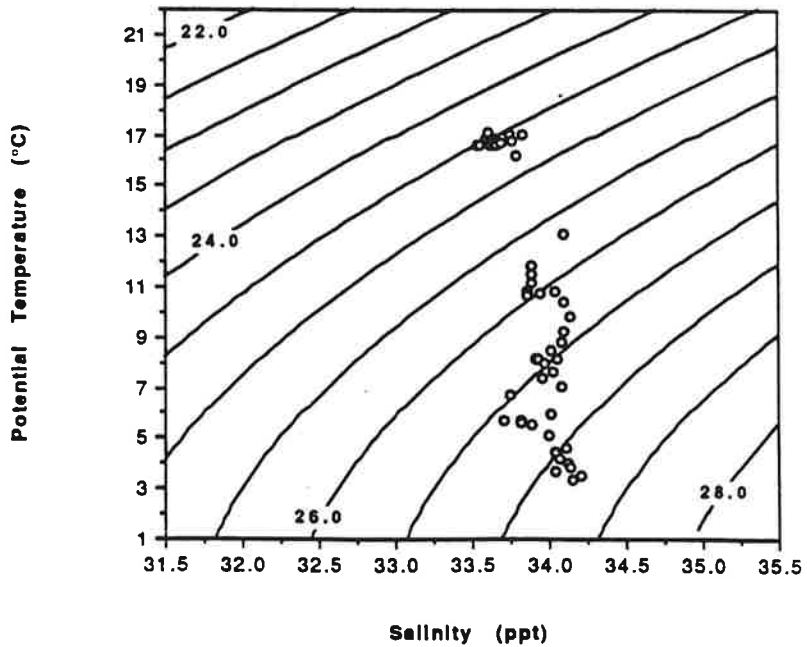
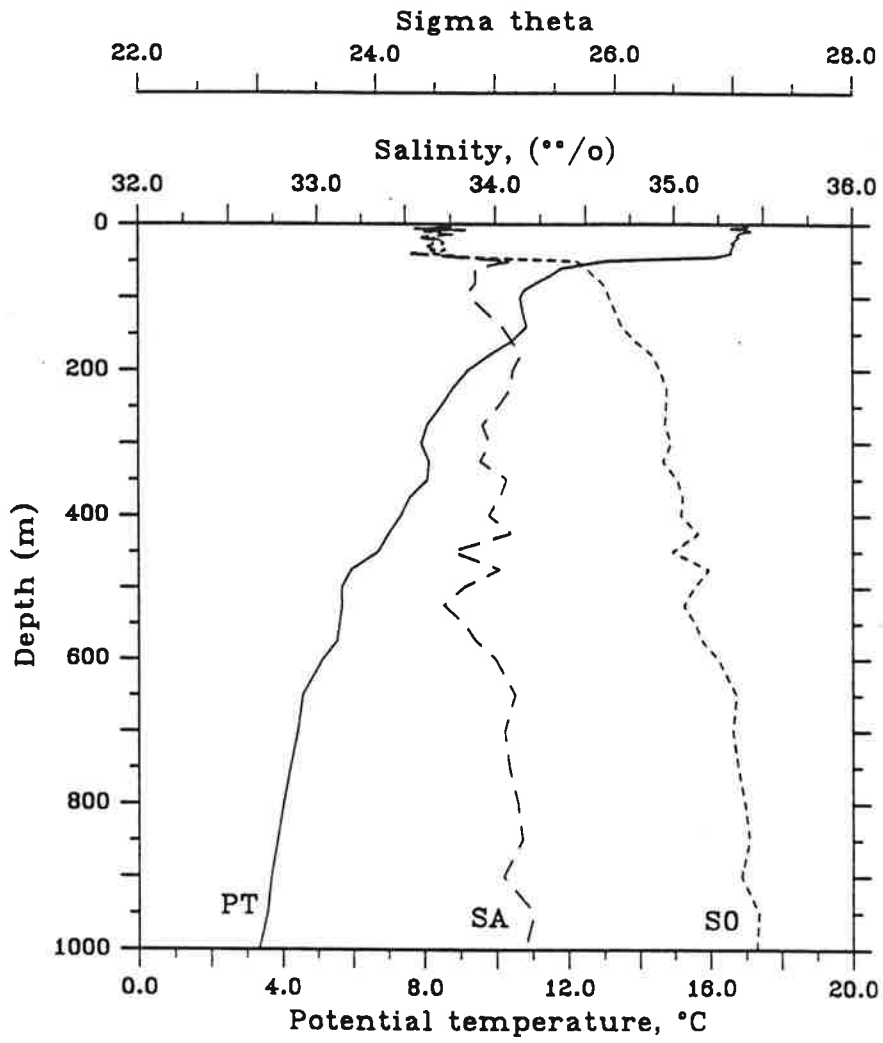


## STATION 89

LATITUDE: 40.2500 N LONGITUDE: 161.0000 W DATE: 14 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	17.069	33.756	17.069	24.544	24.544	28.915	24.544	1511.6	338.149	1.55	.00
2.0	2.0	17.069	33.756	17.069	24.544	24.545	28.915	24.553	1511.6	338.209	1.52	.34
4.0	4.0	17.069	33.756	17.068	24.544	24.545	28.915	24.562	1511.6	338.269	1.52	-26.77
6.0	6.1	16.602	33.554	16.601	24.499	24.499	28.877	24.526	1510.0	342.675	1.51	40.95
8.0	8.1	17.065	33.835	17.064	24.606	24.606	28.976	24.641	1511.7	332.566	1.50	-55.24
10.0	10.1	17.159	33.610	17.157	24.411	24.412	28.781	24.456	1511.7	351.146	1.50	38.37
12.0	12.1	16.890	33.650	16.888	24.505	24.505	28.879	24.558	1511.0	342.270	1.49	41.47
14.0	14.1	16.795	33.764	16.793	24.615	24.615	28.989	24.677	1510.8	331.898	1.48	-35.62
16.0	16.1	16.762	33.648	16.759	24.534	24.534	28.910	24.605	1510.6	339.654	1.48	-31.16
18.0	18.2	16.837	33.591	16.835	24.472	24.472	28.847	24.552	1510.7	345.604	1.47	24.78
20.0	20.2	16.765	33.619	16.762	24.511	24.512	28.887	24.600	1510.6	341.936	1.46	32.53
22.0	22.2	16.722	33.694	16.718	24.578	24.579	28.955	24.676	1510.5	335.575	1.46	-21.12
24.0	24.2	16.689	33.647	16.685	24.550	24.551	28.927	24.657	1510.4	338.340	1.45	19.71
26.0	26.2	16.610	33.656	16.606	24.575	24.576	28.953	24.691	1510.1	336.041	1.44	-20.25
28.0	28.2	16.705	33.650	16.701	24.549	24.550	28.926	24.673	1510.4	338.592	1.43	-11.58
30.0	30.3	16.654	33.624	16.650	24.540	24.541	28.918	24.674	1510.2	339.463	1.43	17.10
35.0	35.3	16.598	33.667	16.593	24.586	24.588	28.965	24.743	1510.1	335.175	1.42	-25.27
40.0	40.4	16.600	33.536	16.594	24.485	24.486	28.865	24.663	1510.0	345.003	1.40	43.27
45.0	45.4	16.172	33.796	16.165	24.783	24.785	29.167	24.984	1509.0	316.742	1.39	74.77
50.0	50.5	13.080	34.091	13.074	25.673	25.675	30.104	25.898	1499.5	232.003	1.37	16.23
60.0	60.5	11.842	33.890	11.834	25.757	25.758	30.211	26.028	1495.0	224.157	1.36	13.45
70.0	70.6	11.522	33.887	11.513	25.815	25.816	30.274	26.131	1494.0	218.875	1.33	14.95
80.0	80.7	11.146	33.891	11.136	25.886	25.888	30.352	26.248	1492.7	212.290	1.31	10.79
90.0	90.8	10.802	33.859	10.791	25.923	25.925	30.396	26.331	1491.4	208.936	1.29	8.24
100.0	100.9	10.683	33.860	10.671	25.944	25.947	30.420	26.398	1491.0	207.079	1.27	9.20
120.0	121.1	10.756	33.946	10.742	25.998	26.001	30.472	26.542	1491.4	202.402	1.24	9.02
140.0	141.3	10.862	34.036	10.845	26.050	26.053	30.522	26.685	1491.9	197.941	1.20	13.50
160.0	161.5	10.447	34.092	10.428	26.167	26.170	30.646	26.892	1490.6	187.242	1.16	15.21
180.0	181.7	9.799	34.139	9.779	26.314	26.317	30.806	27.132	1488.3	173.488	1.12	9.60
200.0	201.9	9.235	34.095	9.213	26.372	26.376	30.876	27.284	1486.3	168.117	1.09	8.56
225.0	227.1	8.811	34.083	8.787	26.431	26.434	30.943	27.457	1484.7	162.891	1.05	-2.04
250.0	252.4	8.479	34.013	8.453	26.427	26.431	30.947	27.569	1483.5	163.505	1.01	-3.85
275.0	277.6	8.104	33.926	8.076	26.415	26.419	30.943	27.673	1482.0	164.865	.97	8.27
300.0	302.9	7.946	33.965	7.916	26.469	26.474	31.001	27.842	1481.5	160.038	.93	-9.47
325.0	328.2	8.153	33.914	8.120	26.398	26.403	30.926	27.883	1482.2	167.327	.88	12.36
350.0	353.4	8.110	34.061	8.075	26.520	26.525	31.048	28.119	1482.3	156.212	.84	7.51
375.0	378.7	7.609	34.024	7.572	26.565	26.570	31.103	28.281	1480.4	152.034	.80	-4.17
400.0	404.0	7.361	33.961	7.322	26.550	26.556	31.095	28.383	1479.4	153.546	.76	13.50
425.0	429.2	7.017	34.084	6.977	26.695	26.701	31.247	28.645	1478.3	139.947	.72	-16.50
450.0	454.5	6.715	33.756	6.674	26.478	26.483	31.038	28.545	1476.7	160.506	.69	19.64
475.0	479.8	5.955	34.021	5.914	26.785	26.790	31.360	28.972	1474.1	131.161	.65	-12.47
500.0	505.1	5.686	33.821	5.644	26.660	26.665	31.243	28.966	1472.8	142.861	.61	-10.53
525.0	530.3	5.696	33.711	5.652	26.572	26.577	31.155	28.993	1472.8	151.483	.57	11.01
550.0	555.6	5.623	33.822	5.577	26.668	26.674	31.253	29.204	1472.6	142.605	.54	8.84
575.0	580.9	5.547	33.889	5.499	26.731	26.736	31.316	29.382	1472.5	136.938	.50	12.92
600.0	606.2	5.148	33.997	5.100	26.863	26.869	31.458	29.634	1471.0	124.213	.46	9.71
650.0	656.8	4.574	34.104	4.524	27.013	27.018	31.620	30.021	1468.9	109.850	.43	-4.35
700.0	707.4	4.436	34.047	4.383	26.983	26.988	31.593	30.222	1468.3	112.954	.37	5.17
750.0	758.0	4.221	34.072	4.165	27.025	27.031	31.641	30.497	1467.6	109.071	.31	6.09
800.0	808.6	4.021	34.119	3.962	27.084	27.090	31.705	30.789	1466.9	103.624	.26	4.81
850.0	859.3	3.846	34.143	3.784	27.120	27.126	31.746	31.059	1466.3	100.266	.20	-6.38
900.0	909.9	3.674	34.039	3.609	27.055	27.061	31.685	31.227	1465.5	106.397	.15	9.60
950.0	960.6	3.556	34.209	3.488	27.202	27.208	31.834	31.605	1465.3	92.808	.10	-3.58
1000.0	1011.3	3.328	34.155	3.258	27.181	27.187	31.819	31.819	1464.3	94.582	.00	9.27

STATION 89

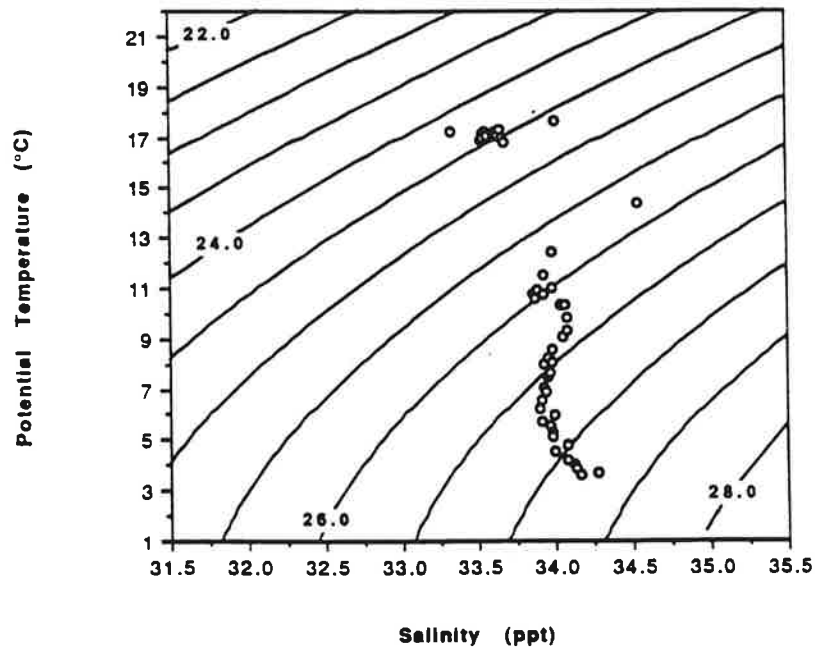
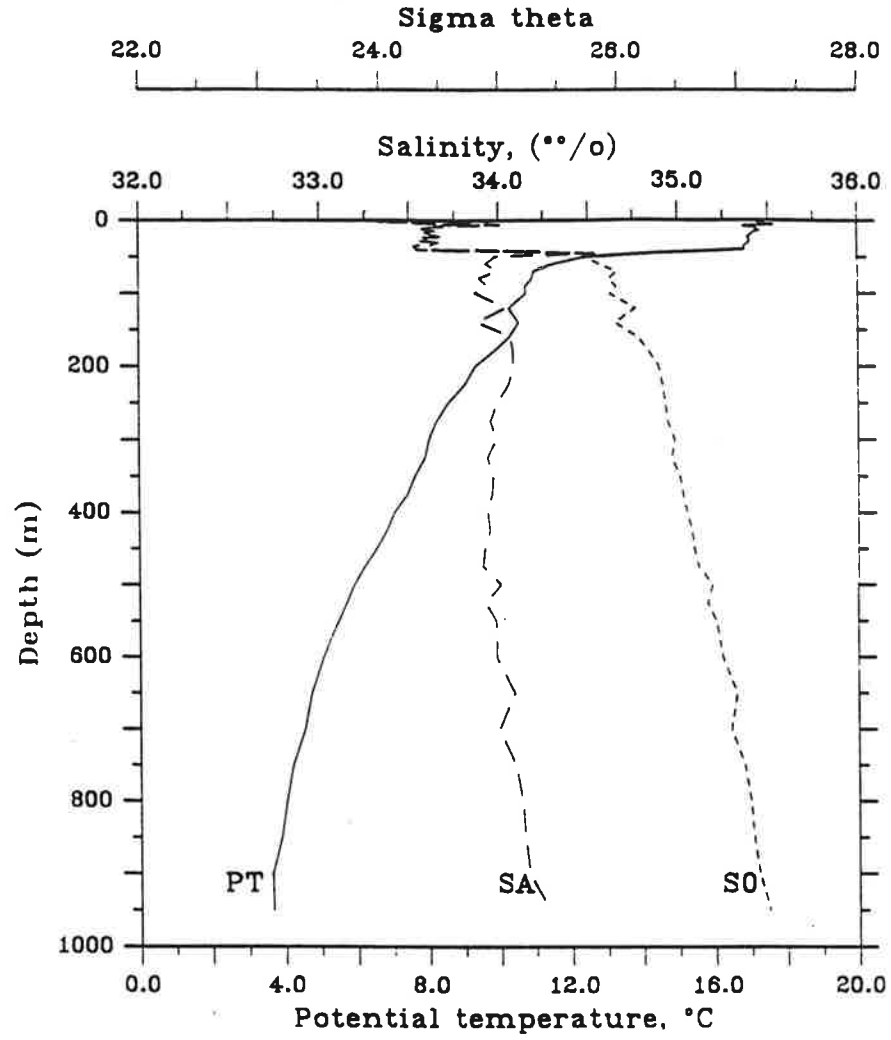


## STATION 90

LATITUDE: 40.0006 N LONGITUDE: 160.9936 W DATE: 14 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIGZ	SOUND	AVOL	DYNH	BVA1
.0	.0	17.213	33.326	17.213	24.181	24.181	28.552	24.181	1511.5	372.806	1.49	.00
2.0	2.0	17.213	33.326	17.213	24.181	24.181	28.552	24.190	1511.5	372.866	1.46	51.08
4.0	4.1	17.246	33.553	17.245	24.347	24.347	28.716	24.365	1511.9	357.094	1.45	63.01
6.0	6.1	17.654	34.011	17.653	24.600	24.600	28.961	24.626	1513.6	333.074	1.45	-28.93
8.0	8.1	16.811	33.680	16.810	24.546	24.547	28.921	24.582	1510.7	338.204	1.44	-45.93
10.0	10.1	17.181	33.618	17.179	24.412	24.413	28.782	24.457	1511.8	351.068	1.43	-27.47
12.0	12.1	17.145	33.544	17.143	24.364	24.365	28.735	24.417	1511.6	355.705	1.43	27.93
14.0	14.2	17.275	33.649	17.272	24.414	24.414	28.782	24.476	1512.1	351.035	1.42	12.17
16.0	16.2	17.095	33.606	17.093	24.423	24.424	28.795	24.494	1511.5	350.194	1.41	-17.45
18.0	18.2	17.067	33.572	17.065	24.404	24.404	28.776	24.484	1511.4	352.102	1.40	31.25
20.0	20.2	17.025	33.640	17.021	24.466	24.467	28.838	24.555	1511.4	346.238	1.40	25.47
22.0	22.3	16.937	33.667	16.933	24.507	24.508	28.880	24.605	1511.1	342.362	1.39	-37.67
24.0	24.3	16.934	33.548	16.930	24.417	24.418	28.791	24.524	1511.0	351.031	1.38	-18.76
26.0	26.3	16.999	33.539	16.995	24.394	24.395	28.768	24.510	1511.2	353.229	1.38	11.28
28.0	28.3	16.969	33.540	16.964	24.403	24.403	28.776	24.527	1511.1	352.516	1.37	37.53
30.0	30.3	16.993	33.665	16.988	24.492	24.493	28.865	24.626	1511.3	344.034	1.36	-20.74
35.0	35.4	16.841	33.529	16.836	24.424	24.425	28.800	24.580	1510.7	350.699	1.35	8.52
40.0	40.5	16.845	33.545	16.839	24.435	24.437	28.811	24.613	1510.8	349.749	1.34	91.29
45.0	45.5	14.335	34.540	14.329	25.762	25.763	30.170	25.963	1504.1	223.554	1.32	-16.60
50.0	50.6	12.420	33.981	12.413	25.718	25.719	30.160	25.943	1497.1	227.716	1.30	20.44
60.0	60.7	11.495	33.927	11.487	25.851	25.852	30.310	26.122	1493.9	215.218	1.29	21.13
70.0	70.8	10.991	33.993	10.982	25.993	25.994	30.461	26.310	1492.2	201.874	1.27	-15.01
80.0	80.9	10.948	33.890	10.938	25.921	25.923	30.391	26.284	1492.0	208.905	1.25	14.67
90.0	91.0	10.760	33.936	10.750	25.990	25.992	30.463	26.398	1491.4	202.584	1.23	-13.24
100.0	101.2	10.776	33.867	10.764	25.934	25.936	30.408	26.387	1491.4	208.105	1.21	18.38
120.0	121.4	10.296	34.036	10.282	26.149	26.152	30.631	26.694	1489.9	188.005	1.19	-16.36
140.0	141.6	10.572	33.879	10.556	25.978	25.981	30.457	26.614	1490.7	204.681	1.15	17.43
160.0	161.9	10.309	34.068	10.290	26.172	26.175	30.654	26.898	1490.1	186.682	1.11	11.97
180.0	182.1	9.843	34.084	9.823	26.263	26.267	30.754	27.081	1488.4	178.299	1.07	11.31
200.0	202.4	9.342	34.082	9.320	26.344	26.348	30.846	27.255	1486.6	170.800	1.03	6.04
225.0	227.7	9.042	34.057	9.017	26.373	26.377	30.881	27.399	1485.6	168.403	.99	5.30
250.0	253.0	8.570	33.991	8.544	26.396	26.399	30.913	27.537	1483.8	166.533	.95	4.80
275.0	278.3	8.252	33.952	8.224	26.414	26.418	30.939	27.671	1482.6	165.069	.91	8.30
300.0	303.6	8.045	33.983	8.015	26.469	26.473	30.998	27.840	1481.9	160.183	.86	-5.22
325.0	328.9	7.932	33.934	7.899	26.447	26.451	30.979	27.933	1481.4	162.579	.82	9.14
350.0	354.2	7.653	33.966	7.619	26.513	26.518	31.051	28.115	1480.4	156.519	.78	5.55
375.0	379.6	7.445	33.960	7.409	26.538	26.543	31.080	28.255	1479.7	154.445	.74	6.45
400.0	404.9	7.065	33.934	7.027	26.570	26.575	31.121	28.405	1478.2	151.408	.70	7.02
425.0	430.2	6.847	33.946	6.808	26.609	26.615	31.165	28.560	1477.4	147.885	.66	4.75
450.0	455.5	6.553	33.918	6.512	26.627	26.632	31.190	28.695	1476.3	146.283	.62	6.58
475.0	480.9	6.215	33.906	6.173	26.661	26.667	31.231	28.847	1475.0	143.044	.59	12.04
500.0	506.2	5.928	34.006	5.885	26.777	26.782	31.353	29.079	1474.0	132.199	.55	-7.32
525.0	531.6	5.721	33.919	5.677	26.733	26.739	31.315	29.153	1473.1	136.308	.51	9.56
550.0	556.9	5.494	33.977	5.448	26.806	26.812	31.392	29.343	1472.3	129.493	.48	6.05
575.0	582.3	5.271	33.980	5.224	26.835	26.841	31.427	29.489	1471.5	126.766	.45	5.34
600.0	607.6	5.078	33.980	5.030	26.858	26.863	31.453	29.629	1470.7	124.658	.41	8.59
650.0	658.3	4.749	34.081	4.699	26.975	26.981	31.578	29.980	1469.6	113.681	.38	-5.47
700.0	709.0	4.554	33.993	4.500	26.927	26.933	31.535	30.165	1468.8	118.363	.32	8.31
750.0	759.8	4.217	34.086	4.161	27.036	27.042	31.653	30.509	1467.6	107.974	.26	5.55
800.0	810.5	4.033	34.123	3.974	27.085	27.091	31.706	30.791	1466.9	103.493	.20	4.05
850.0	861.3	3.884	34.137	3.822	27.111	27.117	31.736	31.049	1466.4	101.189	.15	5.33
900.0	912.0	3.629	34.161	3.565	27.156	27.162	31.786	31.329	1465.5	96.864	.10	7.37
950.0	962.8	3.652	34.273	3.583	27.243	27.250	31.873	31.644	1465.8	89.190	.00	9.46

STATION 90



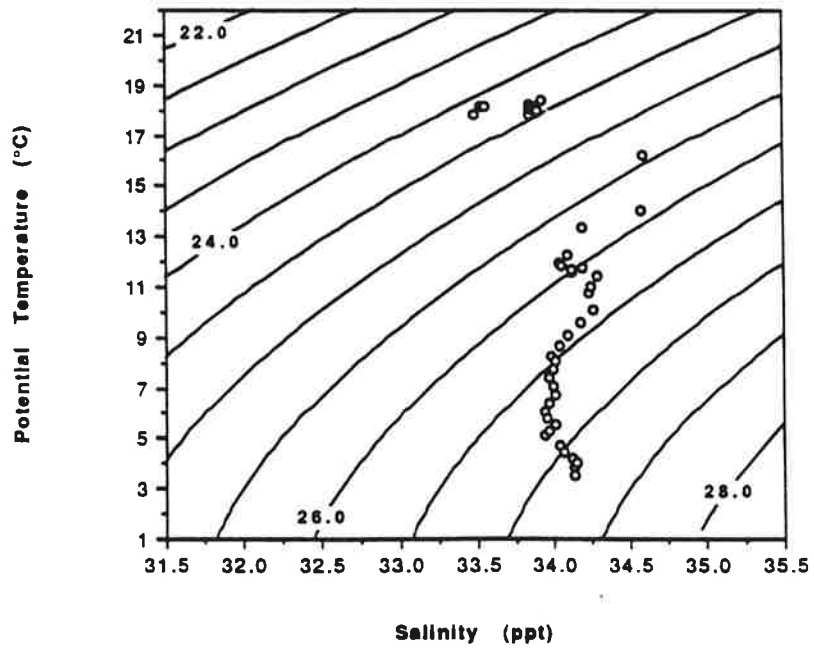
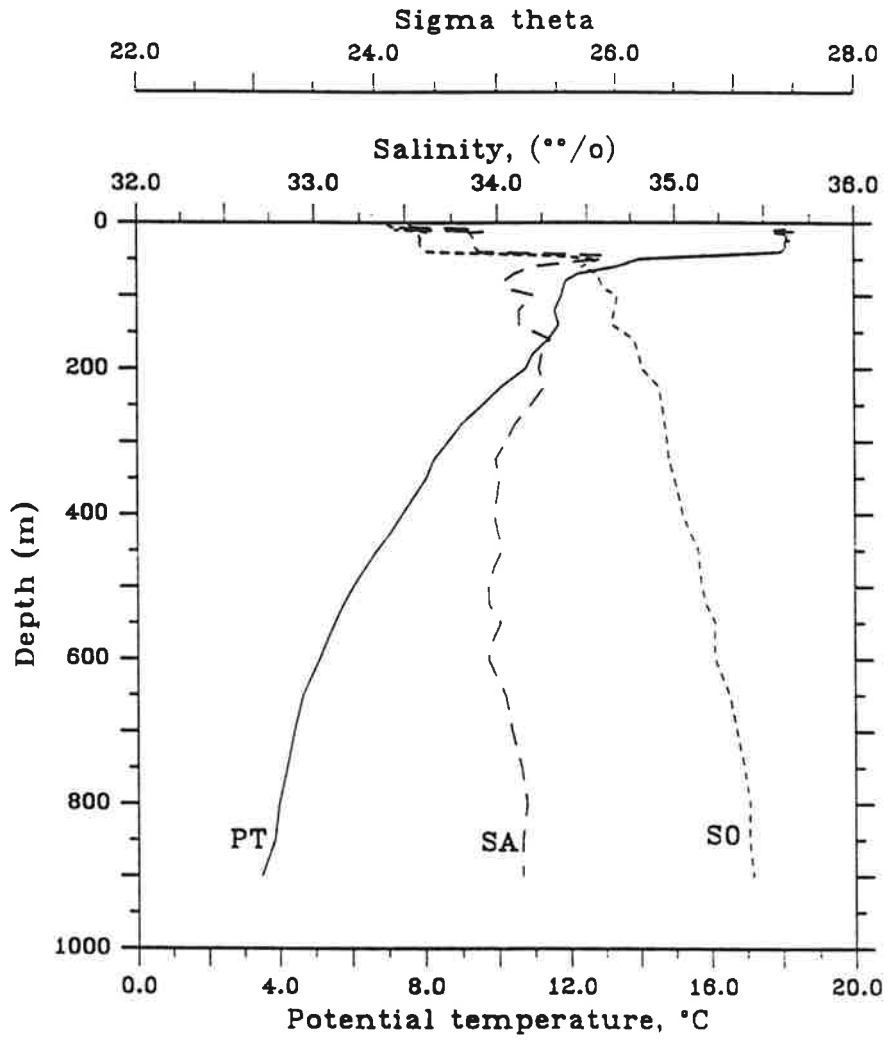
## STATION 94

LATITUDE: 39.0000 N LONGITUDE: 161.0208 W DATE: 15 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	18.133	33.524	18.133	24.111	24.111	28.468	24.111	1514.5	379.507	1.46	.00
2.0	2.0	18.133	33.524	18.133	24.111	24.111	28.468	24.119	1514.5	379.569	1.43	.34
4.0	4.0	18.133	33.524	18.132	24.111	24.111	28.468	24.128	1514.5	379.631	1.42	21.84
6.0	6.1	18.097	33.552	18.096	24.141	24.141	28.498	24.167	1514.4	376.800	1.41	62.09
8.0	8.1	18.117	33.879	18.115	24.386	24.387	28.742	24.422	1514.9	353.469	1.41	-58.79
10.0	10.1	17.779	33.484	17.778	24.166	24.167	28.528	24.211	1513.4	374.501	1.40	55.62
12.0	12.1	18.352	33.925	18.350	24.363	24.364	28.715	24.416	1515.6	355.804	1.39	32.53
14.0	14.1	17.828	33.845	17.826	24.431	24.431	28.790	24.493	1514.0	349.438	1.38	-29.34
16.0	16.1	18.081	33.854	18.078	24.376	24.376	28.732	24.447	1514.7	354.730	1.38	-16.01
18.0	18.2	18.165	33.860	18.162	24.359	24.360	28.715	24.439	1515.0	356.350	1.37	13.45
20.0	20.2	18.136	33.865	18.133	24.371	24.372	28.727	24.460	1514.9	355.315	1.36	13.84
22.0	22.2	18.101	33.870	18.097	24.383	24.384	28.739	24.481	1514.8	354.214	1.35	-26.53
24.0	24.2	18.229	33.853	18.224	24.338	24.339	28.693	24.445	1515.2	358.551	1.35	24.65
26.0	26.2	18.086	33.857	18.081	24.377	24.378	28.734	24.492	1514.8	354.922	1.34	-11.55
28.0	28.3	18.085	33.846	18.080	24.368	24.370	28.726	24.493	1514.8	355.795	1.33	-3.86
30.0	30.3	18.118	33.855	18.113	24.368	24.369	28.724	24.501	1514.9	355.950	1.33	13.42
35.0	35.3	18.093	33.885	18.087	24.396	24.398	28.753	24.552	1514.8	353.375	1.32	14.63
40.0	40.4	17.999	33.899	17.992	24.430	24.432	28.788	24.608	1514.6	350.283	1.30	77.51
45.0	45.4	16.232	34.599	16.225	25.387	25.388	29.765	25.587	1510.1	259.340	1.28	54.39
50.0	50.5	14.013	34.577	14.006	25.858	25.859	30.271	26.082	1503.1	214.542	1.27	-22.34
60.0	60.6	13.375	34.200	13.367	25.699	25.700	30.124	25.968	1500.6	229.871	1.25	21.09
70.0	70.7	12.249	34.096	12.240	25.840	25.842	30.286	26.156	1496.7	216.541	1.23	8.07
80.0	80.7	11.905	34.039	11.895	25.861	25.863	30.313	26.222	1495.5	214.766	1.21	8.63
90.0	90.8	11.831	34.051	11.820	25.885	25.887	30.338	26.291	1495.3	212.738	1.19	19.79
100.0	100.9	11.786	34.201	11.773	26.010	26.012	30.463	26.461	1495.3	201.120	1.17	-6.52
120.0	121.1	11.593	34.120	11.578	25.982	25.985	30.441	26.525	1494.6	204.127	1.14	-5.54
140.0	141.3	11.702	34.121	11.684	25.963	25.966	30.419	26.595	1495.0	206.474	1.10	17.12
160.0	161.5	11.420	34.294	11.400	26.149	26.153	30.610	26.872	1494.2	189.159	1.06	8.27
180.0	181.7	10.981	34.247	10.959	26.193	26.197	30.662	27.007	1492.7	185.351	1.02	6.07
200.0	201.9	10.777	34.230	10.753	26.216	26.221	30.690	27.122	1492.0	183.499	.98	13.39
225.0	227.2	10.097	34.261	10.071	26.359	26.363	30.845	27.380	1489.6	170.256	.94	5.77
250.0	252.4	9.575	34.183	9.547	26.385	26.390	30.882	27.522	1487.7	168.028	.90	5.38
275.0	277.7	9.023	34.097	8.993	26.408	26.413	30.917	27.661	1485.6	166.066	.86	4.92
300.0	303.0	8.650	34.047	8.618	26.427	26.432	30.944	27.795	1484.2	164.500	.81	4.33
325.0	328.2	8.259	33.989	8.226	26.441	26.447	30.967	27.926	1482.7	163.295	.77	7.51
350.0	353.5	8.060	34.008	8.024	26.486	26.492	31.016	28.086	1482.0	159.348	.73	6.96
375.0	378.8	7.737	33.997	7.700	26.525	26.530	31.061	28.240	1480.8	155.885	.69	6.38
400.0	404.0	7.412	33.978	7.373	26.557	26.562	31.101	28.389	1479.6	152.970	.65	8.84
425.0	429.3	7.084	33.999	7.043	26.619	26.624	31.170	28.568	1478.4	147.211	.61	9.37
450.0	454.6	6.697	34.021	6.656	26.689	26.694	31.247	28.755	1477.0	140.636	.57	3.40
475.0	479.9	6.361	33.976	6.319	26.697	26.703	31.264	28.882	1475.7	139.798	.53	5.01
500.0	505.2	6.047	33.950	6.003	26.717	26.722	31.291	29.019	1474.4	137.927	.50	6.74
525.0	530.4	5.772	33.952	5.727	26.753	26.758	31.333	29.172	1473.4	134.538	.46	9.82
550.0	555.7	5.540	34.013	5.494	26.830	26.835	31.414	29.366	1472.6	127.352	.43	-3.23
575.0	581.0	5.323	33.969	5.275	26.821	26.826	31.411	29.475	1471.7	128.164	.39	2.80
600.0	606.3	5.123	33.947	5.074	26.827	26.832	31.422	29.598	1470.9	127.600	.36	8.80
650.0	656.9	4.666	34.037	4.616	26.950	26.955	31.555	29.956	1469.2	115.917	.33	6.04
700.0	707.5	4.418	34.076	4.365	27.008	27.013	31.619	30.247	1468.3	110.582	.27	6.29
750.0	758.2	4.211	34.128	4.155	27.070	27.076	31.686	30.543	1467.6	104.792	.21	5.37
800.0	808.8	3.990	34.156	3.931	27.116	27.122	31.737	30.822	1466.8	100.541	.15	-2.01
850.0	859.4	3.868	34.132	3.806	27.109	27.115	31.734	31.048	1466.3	101.338	.10	4.85
900.0	910.1	3.501	34.133	3.437	27.146	27.152	31.780	31.322	1464.9	97.505	.00	10.18



STATION 94

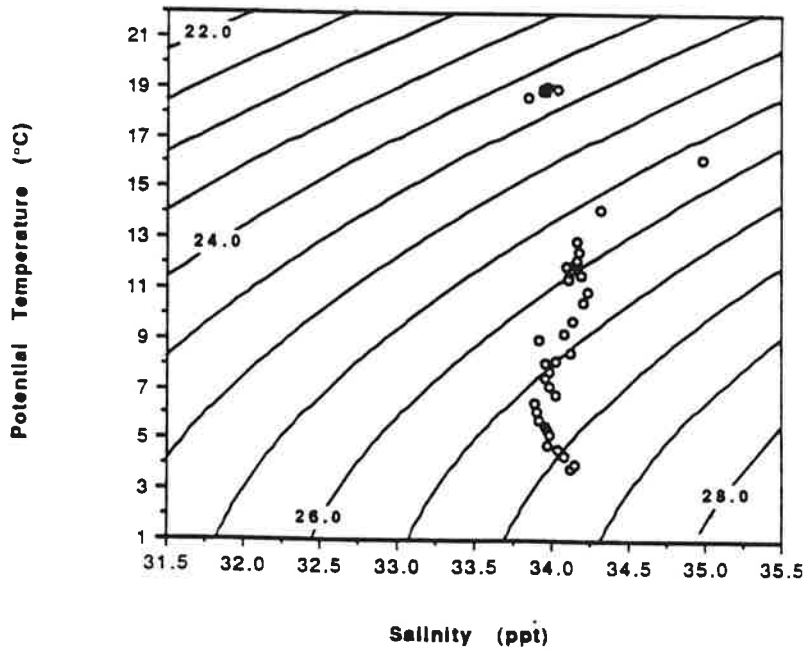
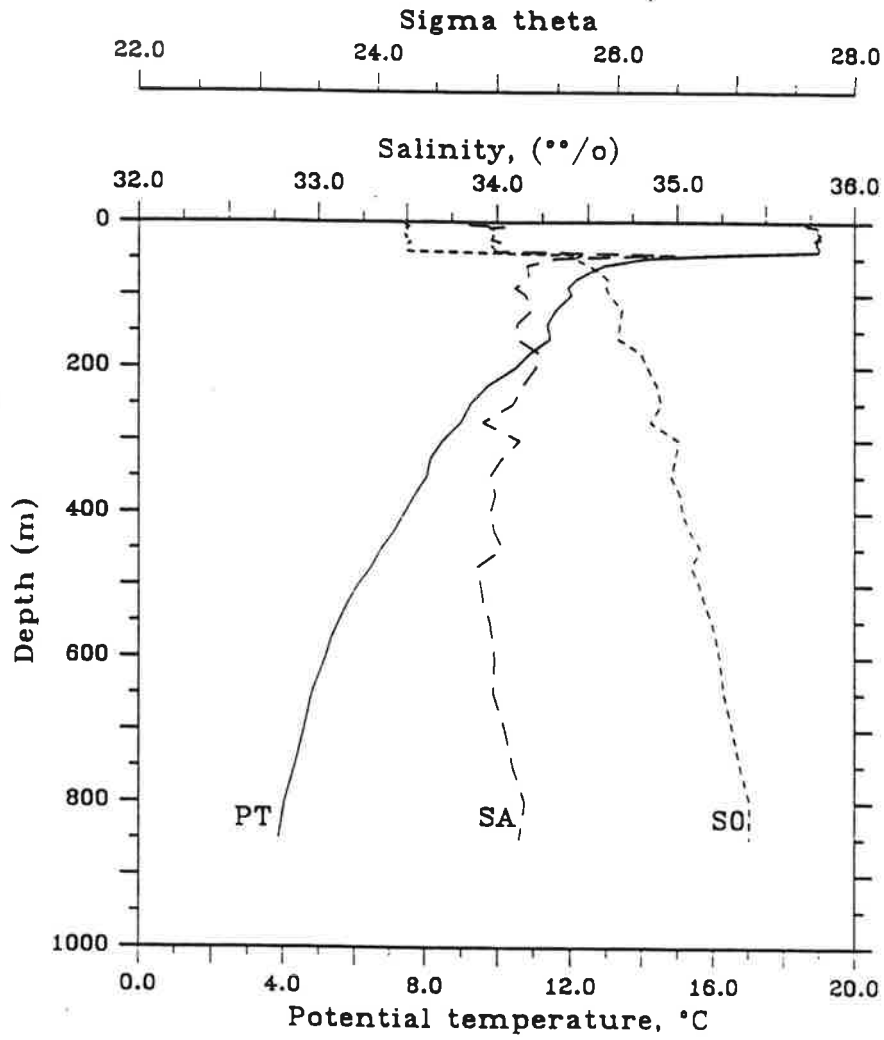


## STATION 95

LATITUDE: 38.7500 N LONGITUDE: 161.0000 W DATE: 15 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	18.627	33.846	18.627	24.234	24.234	28.583	24.234	1516.3	367.705	1.42	.00
2.0	2.0	18.627	33.846	18.627	24.234	24.234	28.583	24.243	1516.3	367.769	1.40	.39
4.0	4.0	18.627	33.846	18.626	24.234	24.235	28.583	24.252	1516.3	367.833	1.39	32.53
6.0	6.0	18.949	34.040	18.948	24.302	24.302	28.645	24.328	1517.4	361.479	1.38	-32.47
8.0	8.1	18.959	33.956	18.958	24.235	24.235	28.578	24.270	1517.4	367.943	1.38	20.12
10.0	10.1	18.945	33.985	18.943	24.260	24.261	28.604	24.305	1517.4	365.551	1.37	-13.62
12.0	12.1	18.939	33.967	18.937	24.249	24.249	28.593	24.302	1517.3	366.744	1.36	-17.69
14.0	14.1	18.938	33.941	18.936	24.229	24.229	28.573	24.291	1517.3	368.709	1.35	-12.24
16.0	16.1	19.060	33.969	19.057	24.219	24.220	28.562	24.290	1517.7	369.687	1.35	18.90
18.0	18.1	19.017	33.984	19.013	24.242	24.243	28.585	24.322	1517.6	367.585	1.34	15.70
20.0	20.1	18.923	33.974	18.920	24.257	24.258	28.602	24.346	1517.3	366.153	1.33	-21.66
22.0	22.2	19.054	33.978	19.050	24.228	24.229	28.570	24.325	1517.7	369.069	1.32	25.19
24.0	24.2	18.853	33.964	18.848	24.268	24.269	28.614	24.374	1517.1	365.278	1.32	11.33
26.0	26.2	18.946	34.006	18.941	24.276	24.277	28.621	24.391	1517.4	364.568	1.31	12.81
28.0	28.2	18.949	34.020	18.944	24.287	24.288	28.631	24.411	1517.5	363.638	1.30	-25.95
30.0	30.2	18.900	33.948	18.895	24.244	24.245	28.589	24.377	1517.2	367.788	1.29	1.57
35.0	35.3	19.006	33.983	18.999	24.244	24.246	28.588	24.399	1517.6	367.919	1.29	9.57
40.0	40.3	18.964	33.988	18.957	24.258	24.260	28.604	24.436	1517.5	366.692	1.27	95.10
45.0	45.3	16.171	34.985	16.163	25.698	25.700	30.076	25.899	1510.4	229.749	1.25	-20.32
50.0	50.4	14.149	34.321	14.142	25.632	25.633	30.044	25.856	1503.2	236.002	1.23	20.06
60.0	60.5	12.936	34.166	12.928	25.760	25.762	30.193	26.030	1499.1	223.976	1.22	17.21
70.0	70.5	12.487	34.174	12.478	25.855	25.856	30.295	26.170	1497.6	215.212	1.20	14.30
80.0	80.6	12.142	34.172	12.132	25.920	25.922	30.367	26.281	1496.4	209.229	1.18	-7.69
90.0	90.7	11.947	34.100	11.935	25.901	25.903	30.352	26.307	1495.7	211.232	1.15	8.85
100.0	100.8	12.046	34.156	12.033	25.926	25.928	30.375	26.377	1496.1	209.115	1.13	13.09
120.0	121.0	11.626	34.195	11.611	26.035	26.038	30.492	26.577	1494.8	199.150	1.11	-5.60
140.0	141.1	11.385	34.112	11.368	26.015	26.018	30.477	26.648	1493.9	201.456	1.07	-5.08
160.0	161.3	11.462	34.109	11.442	25.998	26.002	30.460	26.721	1494.2	203.494	1.03	17.54
180.0	181.5	10.910	34.232	10.889	26.194	26.198	30.665	27.009	1492.4	185.199	.99	9.35
200.0	201.6	10.515	34.214	10.491	26.250	26.254	30.729	27.156	1491.0	180.220	.95	9.89
225.0	226.8	9.733	34.142	9.707	26.327	26.332	30.822	27.350	1488.2	173.068	.91	6.65
250.0	252.1	9.261	34.088	9.234	26.362	26.367	30.866	27.501	1486.4	170.013	.87	-10.61
275.0	277.3	9.003	33.920	8.973	26.273	26.277	30.783	27.526	1485.3	178.836	.82	17.18
300.0	302.5	8.518	34.124	8.487	26.508	26.513	31.026	27.877	1483.8	156.792	.78	-5.64
325.0	327.7	8.178	34.025	8.145	26.482	26.487	31.009	27.967	1482.5	159.422	.73	-6.74
350.0	353.0	8.072	33.959	8.037	26.446	26.451	30.975	28.045	1482.0	163.198	.69	9.66
375.0	378.2	7.734	33.990	7.696	26.520	26.525	31.056	28.236	1480.8	156.346	.65	5.00
400.0	403.4	7.435	33.960	7.396	26.539	26.545	31.083	28.372	1479.7	154.637	.61	8.54
425.0	428.7	7.142	33.982	7.102	26.597	26.603	31.147	28.546	1478.6	149.293	.57	10.52
450.0	453.9	6.766	34.028	6.724	26.685	26.691	31.243	28.751	1477.3	141.014	.53	-9.62
475.0	479.2	6.486	33.887	6.443	26.611	26.617	31.176	28.794	1476.0	148.052	.50	9.06
500.0	504.4	6.105	33.907	6.062	26.676	26.682	31.249	28.978	1474.6	141.836	.46	7.77
525.0	529.7	5.816	33.922	5.771	26.724	26.729	31.303	29.143	1473.5	137.316	.42	8.49
550.0	554.9	5.570	33.957	5.524	26.781	26.787	31.366	29.317	1472.6	131.930	.39	7.01
575.0	580.2	5.342	33.971	5.295	26.820	26.826	31.410	29.473	1471.7	128.269	.35	5.82
600.0	605.4	5.195	33.983	5.147	26.847	26.853	31.440	29.617	1471.2	125.828	.32	4.97
650.0	656.0	4.807	33.977	4.756	26.886	26.892	31.488	29.891	1469.7	122.132	.29	6.88
700.0	706.5	4.590	34.041	4.536	26.961	26.967	31.569	30.198	1469.0	115.217	.22	6.25
750.0	757.1	4.334	34.084	4.277	27.023	27.029	31.636	30.494	1468.1	109.445	.16	7.24
800.0	807.6	4.045	34.151	3.986	27.106	27.112	31.726	30.811	1467.0	101.581	.11	-1.96
850.0	858.2	3.871	34.120	3.809	27.099	27.106	31.724	31.038	1466.3	102.258	.00	10.52

STATION 95

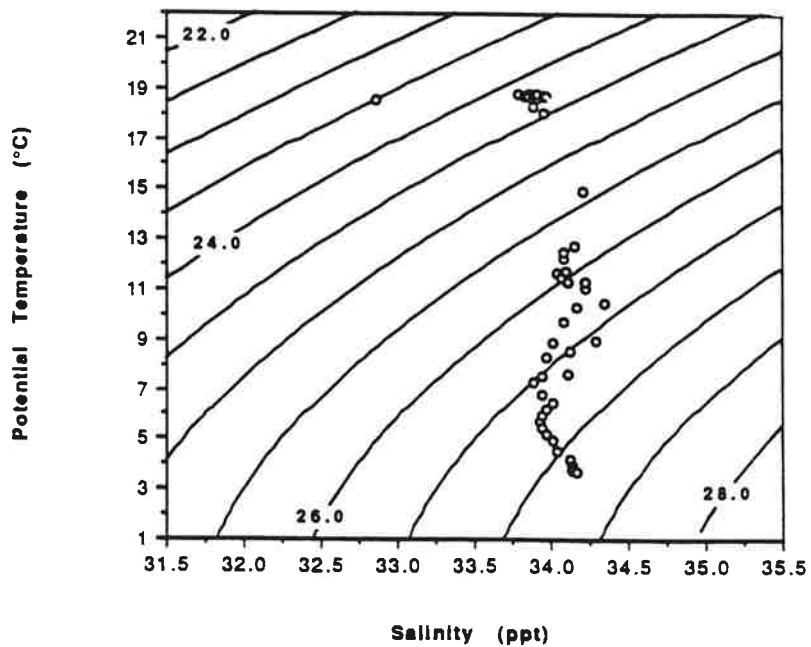
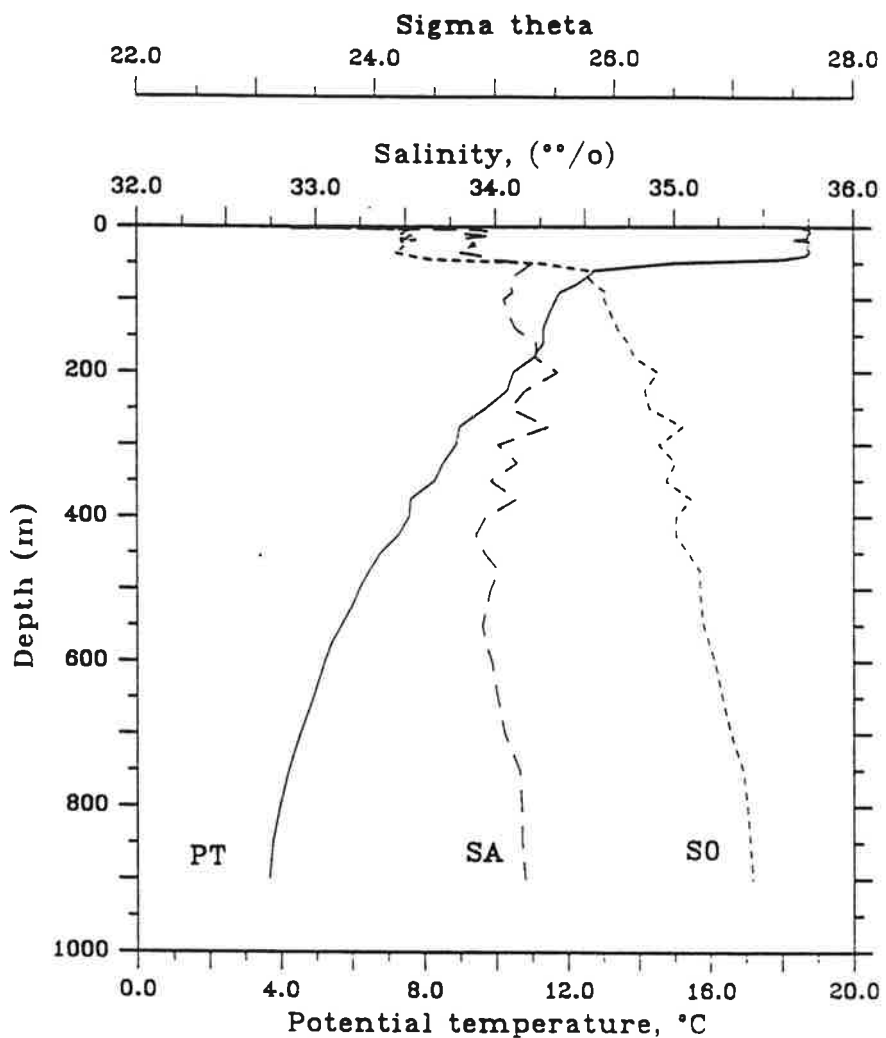


## STATION 96

LATITUDE: 38.5000 N LONGITUDE: 161.0000 W DATE: 15 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	18.565	32.860	18.565	23.496	23.496	27.851	23.496	1515.0	438.134	1.49	.00
2.0	2.0	18.565	32.860	18.564	23.496	23.496	27.851	23.505	1515.0	438.196	1.46	107.63
4.0	4.0	18.798	33.900	18.797	24.233	24.233	28.579	24.251	1516.8	367.956	1.45	29.46
6.0	6.0	18.757	33.959	18.756	24.288	24.289	28.635	24.315	1516.8	362.754	1.44	-25.91
8.0	8.1	18.813	33.922	18.812	24.246	24.246	28.591	24.281	1516.9	366.896	1.43	-24.84
10.0	10.1	18.697	33.832	18.695	24.206	24.207	28.554	24.251	1516.5	370.704	1.42	39.68
12.0	12.1	18.739	33.977	18.736	24.306	24.307	28.653	24.360	1516.8	361.215	1.42	-28.98
14.0	14.1	18.698	33.894	18.696	24.253	24.253	28.601	24.315	1516.6	366.375	1.41	-26.78
16.0	16.1	18.716	33.840	18.713	24.207	24.208	28.555	24.278	1516.6	370.792	1.40	45.14
18.0	18.1	18.341	33.887	18.338	24.337	24.338	28.690	24.417	1515.5	358.487	1.39	-44.94
20.0	20.1	18.774	33.860	18.770	24.208	24.209	28.556	24.297	1516.8	370.816	1.39	20.73
22.0	22.1	18.744	33.886	18.740	24.236	24.237	28.583	24.333	1516.7	368.272	1.38	-15.94
24.0	24.2	18.740	33.864	18.736	24.220	24.221	28.567	24.326	1516.7	369.879	1.37	22.60
26.0	26.2	18.704	33.894	18.699	24.252	24.253	28.600	24.367	1516.6	366.842	1.36	-23.71
28.0	28.2	18.712	33.850	18.707	24.216	24.218	28.565	24.340	1516.6	370.320	1.36	6.48
30.0	30.2	18.715	33.855	18.710	24.219	24.220	28.567	24.352	1516.6	370.130	1.35	-19.96
35.0	35.2	18.786	33.795	18.780	24.156	24.157	28.504	24.311	1516.7	376.340	1.34	28.44
40.0	40.3	18.651	33.919	18.644	24.284	24.286	28.634	24.462	1516.5	364.229	1.32	32.81
45.0	45.3	18.067	33.954	18.059	24.456	24.457	28.813	24.655	1514.9	348.031	1.30	75.80
50.0	50.3	14.948	34.204	14.941	25.370	25.372	29.771	25.594	1505.7	260.938	1.28	35.74
60.0	60.4	12.778	34.148	12.770	25.777	25.779	30.213	26.048	1498.5	222.344	1.27	3.72
70.0	70.5	12.523	34.089	12.514	25.782	25.783	30.222	26.097	1497.6	222.146	1.24	12.78
80.0	80.5	12.239	34.085	12.228	25.834	25.836	30.280	26.194	1496.7	217.410	1.22	17.26
90.0	90.6	11.781	34.096	11.770	25.928	25.931	30.383	26.335	1495.1	208.575	1.20	-7.72
100.0	100.7	11.674	34.045	11.661	25.909	25.912	30.366	26.361	1494.7	210.594	1.18	9.65
120.0	120.8	11.476	34.074	11.461	25.969	25.971	30.429	26.511	1494.1	205.388	1.16	9.20
140.0	141.0	11.330	34.109	11.312	26.023	26.026	30.486	26.656	1493.7	200.691	1.11	11.95
160.0	161.1	11.330	34.226	11.310	26.114	26.117	30.577	26.837	1493.8	192.512	1.07	8.83
180.0	181.2	11.045	34.223	11.023	26.163	26.167	30.632	26.978	1492.9	188.176	1.03	17.36
200.0	201.4	10.490	34.343	10.466	26.355	26.359	30.833	27.262	1491.1	170.240	.99	-11.69
225.0	226.6	10.319	34.166	10.293	26.246	26.251	30.729	27.267	1490.3	181.018	.96	6.88
250.0	251.8	9.711	34.082	9.683	26.284	26.288	30.779	27.420	1488.1	177.699	.91	18.78
275.0	277.0	9.000	34.292	8.970	26.565	26.569	31.072	27.817	1485.8	151.256	.87	-15.92
300.0	302.2	8.899	34.014	8.866	26.362	26.367	30.874	27.729	1485.1	170.771	.82	13.21
325.0	327.4	8.543	34.120	8.509	26.501	26.506	31.020	27.984	1483.9	157.864	.78	-10.04
350.0	352.6	8.304	33.971	8.269	26.420	26.426	30.946	28.019	1482.9	165.733	.74	16.37
375.0	377.8	7.635	34.117	7.598	26.634	26.639	31.171	28.350	1480.6	145.533	.70	-12.63
400.0	403.0	7.587	33.946	7.548	26.506	26.512	31.047	28.337	1480.2	157.886	.66	-1.81
425.0	428.2	7.295	33.889	7.254	26.503	26.509	31.050	28.451	1479.1	158.281	.62	11.56
450.0	453.4	6.800	33.938	6.758	26.610	26.615	31.167	28.675	1477.3	148.170	.58	11.38
475.0	478.6	6.489	34.016	6.447	26.712	26.718	31.276	28.895	1476.2	138.507	.54	-.42
500.0	503.8	6.213	33.970	6.169	26.712	26.718	31.282	29.012	1475.1	138.580	.51	3.83
525.0	529.0	5.992	33.949	5.946	26.723	26.729	31.299	29.140	1474.2	137.566	.47	4.62
550.0	554.3	5.711	33.926	5.664	26.740	26.746	31.322	29.275	1473.1	135.957	.43	7.75
575.0	579.5	5.433	33.944	5.385	26.788	26.793	31.376	29.440	1472.1	131.422	.40	7.87
600.0	604.7	5.240	33.977	5.192	26.837	26.843	31.429	29.606	1471.4	126.825	.37	6.31
650.0	655.2	4.915	34.010	4.864	26.900	26.906	31.500	29.903	1470.2	120.956	.33	6.74
700.0	705.7	4.539	34.048	4.485	26.972	26.978	31.580	30.210	1468.8	114.104	.27	7.92
750.0	756.2	4.220	34.131	4.164	27.072	27.077	31.687	30.544	1467.6	104.686	.21	4.65
800.0	806.7	3.972	34.141	3.914	27.106	27.112	31.728	30.812	1466.7	101.472	.15	3.78
850.0	857.2	3.770	34.143	3.709	27.128	27.134	31.755	31.068	1465.9	99.382	.10	3.83
900.0	907.7	3.671	34.160	3.607	27.151	27.157	31.781	31.323	1465.6	97.396	.00	10.10

STATION 96

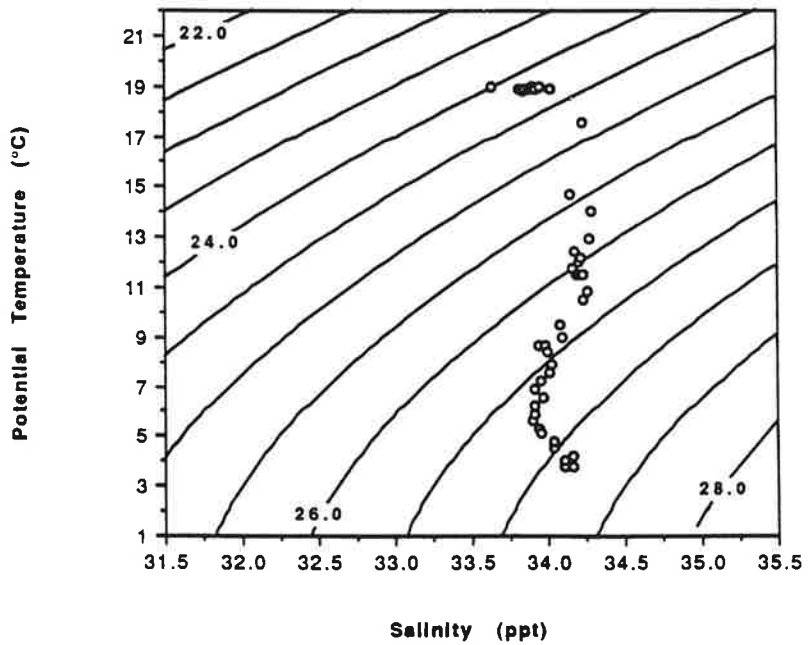
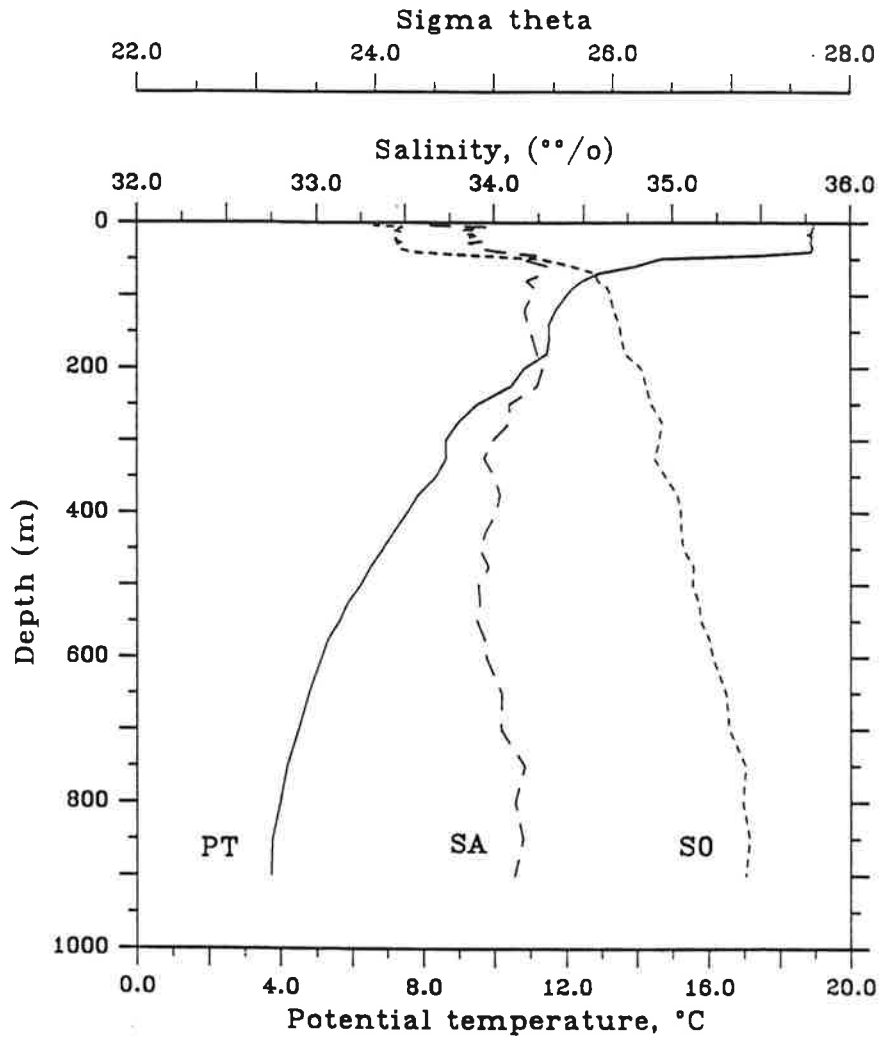


## STATION 97

LATITUDE: 38.2500 N LONGITUDE: 161.0000 W DATE: 15 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	18.986	33.642	18.986	23.989	23.989	28.333	23.989	1517.1	391.136	1.49	.00
2.0	2.0	18.986	33.642	18.985	23.989	23.989	28.333	23.997	1517.1	391.201	1.46	.39
4.0	4.0	18.986	33.642	18.985	23.989	23.989	28.333	24.006	1517.1	391.265	1.45	61.85
6.0	6.0	18.983	33.960	18.982	24.232	24.232	28.576	24.259	1517.4	368.113	1.45	-25.14
8.0	8.1	18.949	33.896	18.948	24.192	24.192	28.536	24.227	1517.3	372.013	1.44	-26.39
10.0	10.1	18.911	33.826	18.909	24.147	24.148	28.493	24.192	1517.1	376.306	1.43	30.49
12.0	12.1	18.948	33.915	18.946	24.207	24.207	28.551	24.260	1517.3	370.732	1.42	15.10
14.0	14.1	18.908	33.921	18.906	24.221	24.222	28.566	24.283	1517.2	369.413	1.41	-18.66
16.0	16.1	18.781	33.850	18.778	24.199	24.200	28.546	24.270	1516.8	371.588	1.41	-9.28
18.0	18.1	18.945	33.897	18.942	24.194	24.194	28.538	24.273	1517.3	372.179	1.40	-10.97
20.0	20.1	18.885	33.867	18.881	24.186	24.187	28.532	24.274	1517.1	372.973	1.39	-16.89
22.0	22.1	18.915	33.853	18.911	24.168	24.169	28.513	24.265	1517.2	374.770	1.38	-5.13
24.0	24.1	18.925	33.854	18.921	24.166	24.167	28.511	24.272	1517.2	374.995	1.38	33.43
26.0	26.2	18.875	33.931	18.871	24.237	24.238	28.583	24.352	1517.1	368.280	1.37	-30.31
28.0	28.2	18.876	33.855	18.871	24.179	24.180	28.525	24.303	1517.1	373.919	1.36	17.29
30.0	30.2	18.913	33.892	18.907	24.198	24.199	28.543	24.331	1517.2	372.171	1.35	-5.08
35.0	35.2	18.948	33.898	18.942	24.194	24.195	28.539	24.349	1517.3	372.728	1.35	26.20
40.0	40.2	18.893	34.023	18.886	24.303	24.305	28.649	24.480	1517.3	362.478	1.33	55.81
45.0	45.3	17.544	34.235	17.537	24.799	24.800	29.161	24.998	1513.6	315.362	1.31	60.85
50.0	50.3	14.692	34.155	14.684	25.388	25.389	29.793	25.612	1504.8	259.245	1.29	28.60
60.0	60.4	13.983	34.298	13.975	25.649	25.650	30.064	25.918	1502.7	234.691	1.28	25.18
70.0	70.4	12.904	34.275	12.894	25.851	25.852	30.284	26.166	1499.1	215.647	1.25	7.51
80.0	80.5	12.448	34.182	12.437	25.868	25.871	30.310	26.229	1497.5	214.136	1.23	16.32
90.0	90.6	12.185	34.226	12.173	25.953	25.956	30.400	26.359	1496.7	206.284	1.21	8.53
100.0	100.6	12.008	34.213	11.995	25.976	25.979	30.426	26.428	1496.1	204.294	1.18	6.18
120.0	120.8	11.710	34.172	11.695	26.001	26.004	30.456	26.543	1495.0	202.402	1.16	8.84
140.0	140.9	11.521	34.190	11.504	26.050	26.054	30.510	26.683	1494.4	198.106	1.12	5.33
160.0	161.0	11.530	34.216	11.510	26.069	26.072	30.528	26.791	1494.5	196.853	1.08	6.71
180.0	181.2	11.472	34.239	11.450	26.097	26.101	30.558	26.910	1494.4	194.575	1.04	14.67
200.0	201.3	10.852	34.270	10.828	26.234	26.239	30.706	27.139	1492.3	181.828	1.00	7.30
225.0	226.5	10.476	34.239	10.449	26.277	26.281	30.756	27.296	1491.0	178.211	.96	7.32
250.0	251.6	9.521	34.086	9.493	26.319	26.323	30.818	27.456	1487.4	174.274	.92	10.70
275.0	276.8	8.978	34.090	8.948	26.410	26.414	30.919	27.663	1485.4	165.863	.87	-5.37
300.0	302.0	8.628	33.991	8.596	26.386	26.391	30.904	27.755	1484.1	168.303	.83	-7.04
325.0	327.2	8.641	33.943	8.606	26.347	26.352	30.865	27.829	1484.1	172.490	.79	10.73
350.0	352.4	8.353	34.003	8.316	26.438	26.444	30.962	28.036	1483.1	164.081	.74	11.06
375.0	377.6	7.856	34.033	7.819	26.535	26.541	31.070	28.250	1481.3	154.958	.70	6.09
400.0	402.7	7.543	34.012	7.503	26.565	26.570	31.106	28.396	1480.2	152.336	.66	2.02
425.0	427.9	7.197	33.954	7.156	26.568	26.573	31.116	28.516	1478.8	152.135	.62	4.78
450.0	453.1	6.871	33.920	6.829	26.586	26.591	31.142	28.651	1477.5	150.505	.58	10.32
475.0	478.4	6.525	33.968	6.482	26.670	26.676	31.233	28.853	1476.3	142.542	.54	-3.13
500.0	503.5	6.241	33.911	6.197	26.662	26.668	31.232	28.962	1475.1	143.330	.50	8.22
525.0	528.8	5.868	33.919	5.823	26.715	26.721	31.294	29.134	1473.7	138.188	.47	4.54
550.0	554.0	5.639	33.904	5.593	26.731	26.737	31.315	29.267	1472.8	136.690	.43	9.51
575.0	579.2	5.319	33.946	5.272	26.803	26.809	31.394	29.457	1471.6	129.816	.40	6.03
600.0	604.4	5.136	33.956	5.088	26.832	26.837	31.427	29.603	1470.9	127.140	.36	8.31
650.0	654.8	4.778	34.043	4.727	26.942	26.947	31.544	29.947	1469.7	116.838	.33	4.14
700.0	705.3	4.501	34.039	4.448	26.969	26.974	31.578	30.207	1468.6	114.362	.27	9.34
750.0	755.7	4.187	34.171	4.131	27.107	27.113	31.723	30.580	1467.6	101.300	.21	-3.72
800.0	806.2	3.998	34.118	3.939	27.085	27.091	31.706	30.791	1466.8	103.472	.15	6.00
850.0	856.7	3.770	34.160	3.709	27.142	27.148	31.769	31.082	1466.0	98.107	.10	-4.56
900.0	907.2	3.736	34.114	3.671	27.108	27.115	31.737	31.279	1465.8	101.527	.00	11.23

STATION 97



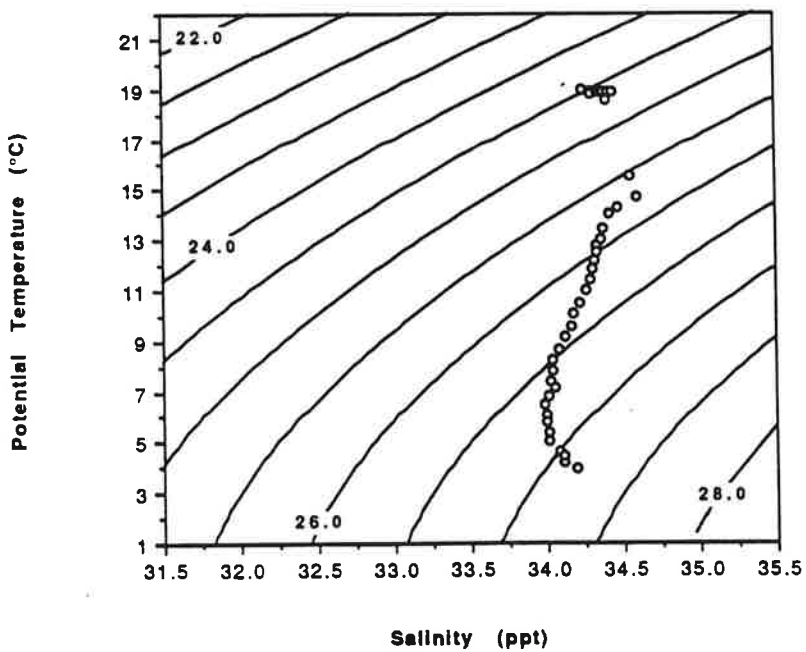
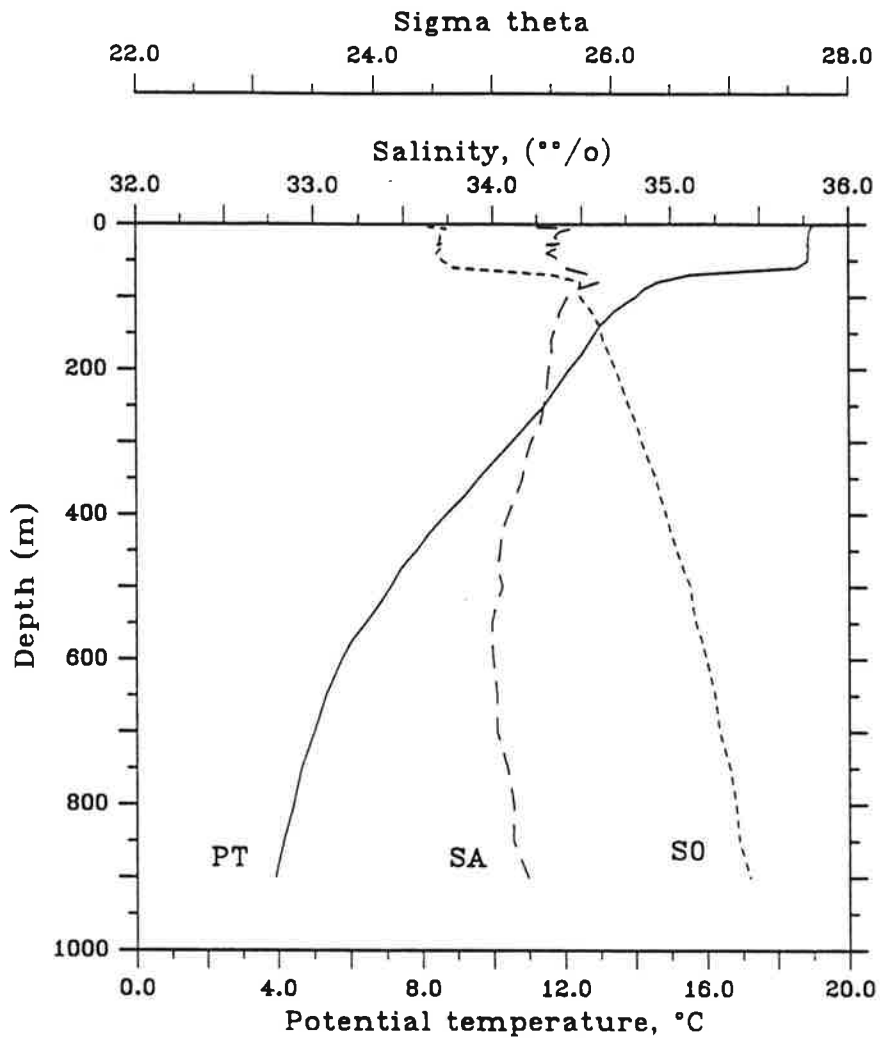
## STATION 104

LATITUDE: 37.6047 N LONGITUDE: 170.6100 W DATE: 28 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	18.970	34.255	18.970	24.460	24.460	28.802	24.460	1517.7	346.150	1.58	.00
2.0	2.0	18.970	34.255	18.970	24.460	24.461	28.802	24.469	1517.7	346.216	1.55	.39
4.0	4.0	18.970	34.255	18.969	24.460	24.461	28.802	24.478	1517.7	346.281	1.54	48.72
6.0	6.1	18.933	34.440	18.932	24.612	24.612	28.953	24.638	1517.8	331.949	1.53	-16.70
8.0	8.1	18.923	34.414	18.922	24.594	24.594	28.936	24.629	1517.8	333.707	1.53	-17.18
10.0	10.1	18.898	34.381	18.896	24.575	24.575	28.917	24.619	1517.7	335.564	1.52	-12.58
12.0	12.1	18.908	34.371	18.906	24.565	24.565	28.907	24.618	1517.7	336.592	1.51	1.14
14.0	14.1	18.890	34.365	18.887	24.565	24.566	28.908	24.627	1517.7	336.650	1.51	-10.95
16.0	16.1	18.884	34.353	18.881	24.557	24.558	28.900	24.628	1517.6	337.444	1.50	-2.76
18.0	18.1	18.877	34.350	18.874	24.557	24.558	28.900	24.637	1517.6	337.557	1.49	10.32
20.0	20.2	18.892	34.364	18.889	24.564	24.565	28.906	24.652	1517.7	336.978	1.49	-13.32
22.0	22.2	18.881	34.346	18.877	24.552	24.553	28.896	24.650	1517.6	338.120	1.48	-4.88
24.0	24.2	18.883	34.344	18.879	24.551	24.552	28.894	24.657	1517.6	338.330	1.47	24.52
26.0	26.2	18.868	34.389	18.864	24.589	24.590	28.932	24.704	1517.6	334.749	1.47	-29.59
28.0	28.2	18.845	34.309	18.840	24.533	24.535	28.878	24.657	1517.5	340.124	1.46	28.52
30.0	30.3	18.902	34.396	18.897	24.585	24.586	28.928	24.718	1517.7	335.260	1.45	-14.24
35.0	35.3	18.872	34.343	18.866	24.553	24.554	28.897	24.708	1517.6	338.498	1.45	-12.71
40.0	40.3	18.864	34.307	18.857	24.527	24.529	28.872	24.704	1517.6	341.112	1.43	14.70
45.0	45.4	18.871	34.354	18.863	24.561	24.563	28.906	24.761	1517.6	338.003	1.41	8.84
50.0	50.4	18.864	34.368	18.855	24.574	24.576	28.919	24.795	1517.6	336.984	1.39	17.52
60.0	60.5	18.565	34.398	18.555	24.672	24.674	29.020	24.938	1516.8	327.986	1.38	51.27
70.0	70.6	15.553	34.557	15.542	25.509	25.511	29.899	25.821	1508.0	328.420	1.34	26.60
80.0	80.7	14.660	34.595	14.648	25.734	25.737	30.138	26.092	1505.2	227.186	1.31	-5.45
90.0	90.8	14.252	34.469	14.238	25.725	25.727	30.136	26.128	1503.8	228.311	1.29	5.19
100.0	100.9	14.035	34.421	14.021	25.733	25.736	30.148	26.181	1503.1	227.739	1.27	12.29
120.0	121.0	13.412	34.379	13.395	25.829	25.833	30.255	26.368	1501.0	219.030	1.24	10.04
140.0	141.2	13.008	34.356	12.989	25.893	25.897	30.327	26.523	1499.7	213.372	1.20	7.07
160.0	161.4	12.746	34.331	12.725	25.925	25.929	30.363	26.645	1498.8	210.790	1.15	9.12
180.0	181.6	12.490	34.334	12.466	25.978	25.983	30.421	26.788	1498.0	206.190	1.11	8.98
200.0	201.7	12.153	34.316	12.127	26.029	26.034	30.479	26.931	1496.8	201.697	1.07	8.54
225.0	227.0	11.801	34.305	11.772	26.087	26.093	30.543	27.102	1495.7	196.672	1.02	8.19
250.0	252.2	11.447	34.289	11.416	26.141	26.146	30.603	27.269	1494.5	192.053	.97	9.16
275.0	277.4	10.989	34.267	10.955	26.207	26.213	30.679	27.451	1492.9	186.089	.92	7.21
300.0	302.7	10.530	34.215	10.495	26.248	26.255	30.729	27.607	1491.3	182.484	.88	8.55
325.0	327.9	10.056	34.185	10.018	26.306	26.313	30.796	27.780	1489.6	177.234	.83	8.89
350.0	353.2	9.598	34.167	9.559	26.369	26.375	30.868	27.958	1487.9	171.515	.78	6.74
375.0	378.4	9.187	34.127	9.146	26.405	26.412	30.912	28.110	1486.4	168.306	.74	7.75
400.0	403.7	8.684	34.086	8.642	26.452	26.459	30.970	28.275	1484.6	163.893	.70	7.22
425.0	428.9	8.221	34.048	8.177	26.493	26.500	31.021	28.433	1482.8	160.048	.65	7.84
450.0	454.2	7.846	34.039	7.801	26.542	26.549	31.078	28.599	1481.4	155.527	.61	8.02
475.0	479.4	7.413	34.025	7.367	26.593	26.600	31.138	28.767	1479.8	150.705	.57	8.96
500.0	504.7	7.118	34.053	7.071	26.657	26.663	31.208	28.947	1478.7	144.780	.53	4.47
525.0	530.0	6.781	34.014	6.732	26.672	26.679	31.231	29.081	1477.4	143.299	.49	6.20
550.0	555.2	6.419	33.992	6.370	26.702	26.709	31.269	29.229	1476.0	140.369	.46	7.95
575.0	580.5	6.039	33.993	5.989	26.752	26.759	31.327	29.397	1474.6	135.527	.42	6.95
600.0	605.8	5.763	33.998	5.711	26.791	26.797	31.371	29.553	1473.5	131.887	.39	6.66
650.0	656.3	5.326	34.020	5.273	26.861	26.867	31.451	29.858	1471.9	125.254	.35	4.86
700.0	706.9	5.010	34.021	4.954	26.898	26.904	31.496	30.129	1470.7	121.813	.29	7.39
750.0	757.5	4.653	34.079	4.595	26.985	26.991	31.591	30.450	1469.4	113.602	.22	5.66
800.0	808.1	4.431	34.113	4.370	27.035	27.042	31.647	30.734	1468.6	108.922	.16	4.21
850.0	858.7	4.153	34.111	4.089	27.063	27.070	31.681	30.996	1467.5	106.234	.11	7.55
900.0	909.3	3.923	34.195	3.856	27.154	27.160	31.777	31.320	1466.7	97.719	.00	9.05



STATION 104

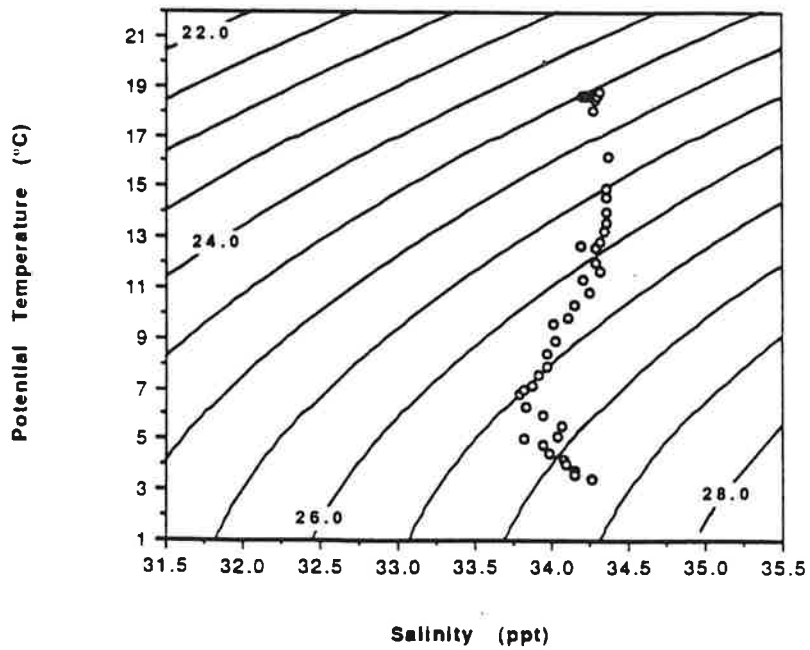
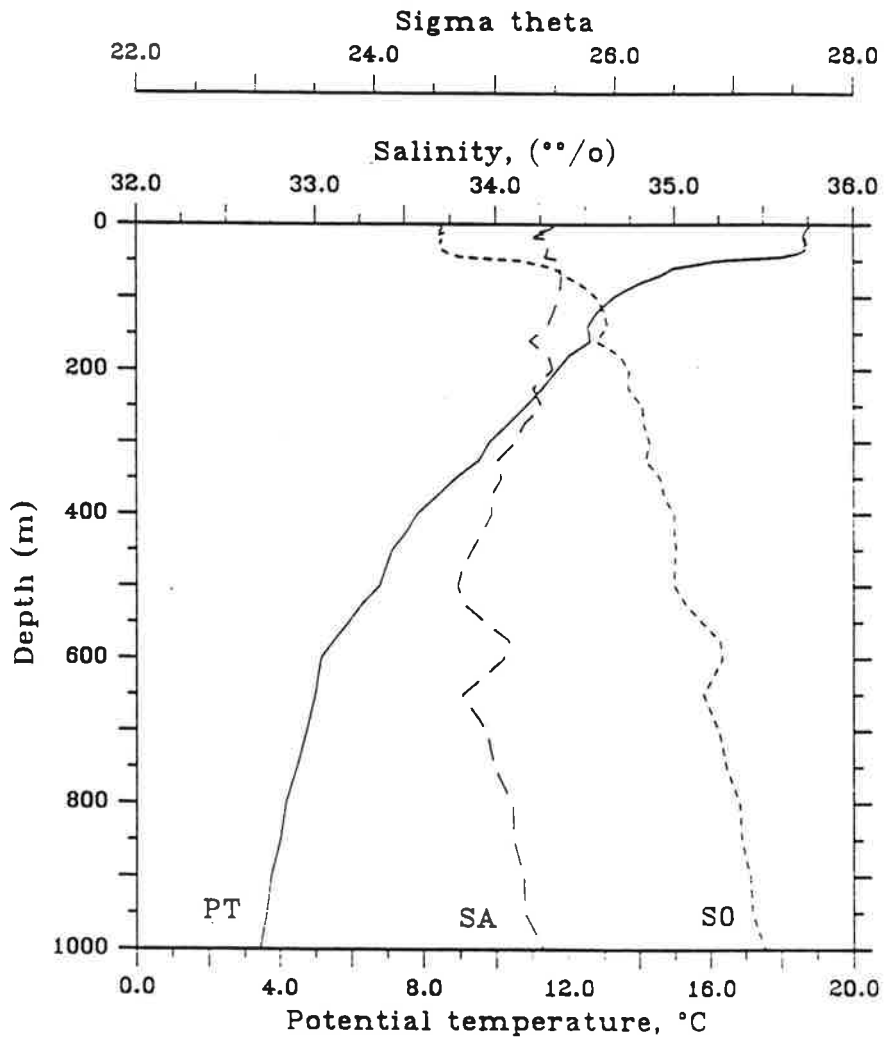


## STATION 105

LATITUDE: 37.8167 N LONGITUDE: 170.7667 W DATE: 28 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	18.799	34.322	18.799	24.555	24.555	28.899	24.555	1517.3	337.116	1.66	.00
2.0	2.0	18.799	34.322	18.799	24.555	24.555	28.899	24.564	1517.3	337.182	1.63	.39
4.0	4.0	18.799	34.322	18.799	24.555	24.556	28.899	24.573	1517.3	337.247	1.62	11.56
6.0	6.0	18.703	34.302	18.702	24.564	24.564	28.909	24.590	1517.0	336.502	1.62	-14.54
8.0	8.0	18.710	34.286	18.709	24.550	24.551	28.895	24.586	1517.0	337.851	1.61	-19.90
10.0	10.1	18.677	34.243	18.676	24.525	24.525	28.871	24.569	1516.9	340.320	1.60	29.98
12.0	12.1	18.653	34.310	18.651	24.582	24.583	28.928	24.636	1516.9	334.932	1.60	-27.48
14.0	14.1	18.640	34.242	18.637	24.534	24.535	28.881	24.596	1516.8	339.577	1.59	-13.16
16.0	16.1	18.622	34.222	18.620	24.523	24.524	28.870	24.594	1516.7	340.692	1.58	-4.82
18.0	18.1	18.603	34.214	18.600	24.522	24.523	28.869	24.602	1516.7	340.898	1.58	18.47
20.0	20.1	18.703	34.275	18.699	24.544	24.544	28.889	24.632	1517.0	338.896	1.57	17.63
22.0	22.1	18.608	34.270	18.604	24.563	24.564	28.910	24.661	1516.7	337.073	1.56	-17.79
24.0	24.1	18.694	34.272	18.689	24.543	24.544	28.889	24.649	1517.0	339.061	1.55	5.65
26.0	26.2	18.727	34.285	18.723	24.545	24.546	28.891	24.660	1517.1	338.934	1.55	16.71
28.0	28.2	18.639	34.280	18.634	24.563	24.564	28.910	24.687	1516.9	337.303	1.54	10.79
30.0	30.2	18.671	34.300	18.666	24.570	24.572	28.917	24.703	1517.0	336.663	1.53	-8.27
35.0	35.2	18.676	34.287	18.670	24.559	24.561	28.906	24.715	1517.0	337.865	1.53	18.25
40.0	40.2	18.461	34.286	18.454	24.612	24.614	28.962	24.790	1516.4	332.968	1.51	25.19
45.0	45.3	18.012	34.273	18.005	24.713	24.715	29.069	24.913	1515.1	323.488	1.49	55.84
50.0	50.3	16.240	34.371	16.232	25.210	25.212	29.590	25.433	1509.9	276.289	1.48	29.28
60.0	60.4	14.977	34.358	14.968	25.483	25.485	29.882	25.751	1505.9	250.523	1.46	16.63
70.0	70.4	14.596	34.365	14.586	25.571	25.573	29.977	25.884	1504.8	242.397	1.43	18.89
80.0	80.5	14.045	34.361	14.033	25.685	25.687	30.099	26.043	1503.0	231.804	1.41	16.51
90.0	90.6	13.622	34.360	13.609	25.771	25.774	30.193	26.175	1501.6	223.773	1.38	14.32
100.0	100.6	13.267	34.351	13.253	25.837	25.840	30.264	26.286	1500.5	217.780	1.36	10.34
120.0	120.8	12.818	34.322	12.802	25.905	25.908	30.341	26.445	1499.0	211.748	1.34	6.10
140.0	140.9	12.559	34.287	12.540	25.928	25.932	30.369	26.559	1498.1	209.943	1.30	-11.97
160.0	161.0	12.635	34.189	12.614	25.837	25.841	30.278	26.557	1498.3	219.114	1.25	17.63
180.0	181.2	12.039	34.295	12.016	26.035	26.039	30.486	26.847	1496.4	200.656	1.21	11.07
200.0	201.3	11.707	34.315	11.681	26.113	26.118	30.570	27.015	1495.3	193.624	1.17	-3.44
225.0	226.5	11.309	34.208	11.281	26.103	26.108	30.568	27.120	1493.9	194.954	1.13	12.42
250.0	251.6	10.836	34.256	10.806	26.226	26.231	30.700	27.357	1492.3	183.683	1.08	3.63
275.0	276.8	10.340	34.158	10.308	26.236	26.242	30.720	27.483	1490.5	183.001	1.03	7.95
300.0	302.0	9.824	34.109	9.790	26.286	26.292	30.780	27.648	1488.6	178.483	.98	-6.21
325.0	327.2	9.545	34.010	9.508	26.255	26.261	30.756	27.732	1487.5	181.725	.93	12.33
350.0	352.4	8.902	34.032	8.864	26.376	26.382	30.889	27.970	1485.2	170.361	.89	6.47
375.0	377.6	8.391	33.973	8.352	26.409	26.415	30.933	28.120	1483.3	167.310	.84	10.16
400.0	402.7	7.850	33.974	7.810	26.491	26.497	31.026	28.320	1481.3	159.566	.80	1.85
425.0	427.9	7.546	33.922	7.505	26.493	26.499	31.035	28.438	1480.1	159.464	.76	4.38
450.0	453.1	7.143	33.869	7.100	26.508	26.514	31.059	28.571	1478.5	158.058	.72	-4.60
475.0	478.4	6.965	33.816	6.921	26.491	26.497	31.046	28.670	1477.8	159.850	.68	2.23
500.0	503.5	6.791	33.791	6.745	26.495	26.501	31.054	28.789	1477.1	159.660	.64	10.90
525.0	528.8	6.307	33.830	6.261	26.589	26.595	31.159	29.003	1475.3	150.577	.60	13.07
550.0	554.0	5.936	33.942	5.889	26.725	26.731	31.302	29.257	1474.0	137.672	.56	13.90
575.0	579.2	5.532	34.074	5.484	26.879	26.884	31.464	29.529	1472.6	123.023	.52	5.13
600.0	604.4	5.156	34.043	5.107	26.899	26.905	31.493	29.669	1471.1	120.873	.49	-10.08
650.0	654.8	4.996	33.815	4.944	26.736	26.742	31.336	29.739	1470.3	136.415	.46	9.13
700.0	705.3	4.756	33.948	4.701	26.869	26.875	31.474	30.104	1469.5	124.089	.39	6.30
750.0	755.8	4.485	33.990	4.428	26.932	26.938	31.543	30.401	1468.6	118.207	.32	8.39
800.0	806.2	4.164	34.088	4.104	27.044	27.050	31.662	30.747	1467.4	107.597	.26	3.49
850.0	856.7	4.018	34.093	3.955	27.063	27.070	31.685	30.999	1466.9	105.939	.20	6.72
900.0	907.2	3.750	34.149	3.685	27.135	27.141	31.763	31.305	1465.9	99.104	.15	3.43
950.0	957.7	3.615	34.156	3.547	27.153	27.160	31.785	31.556	1465.5	97.455	.10	7.97
1000.0	1008.2	3.438	34.261	3.367	27.254	27.261	31.889	31.889	1464.9	87.982	.00	9.38

STATION 105

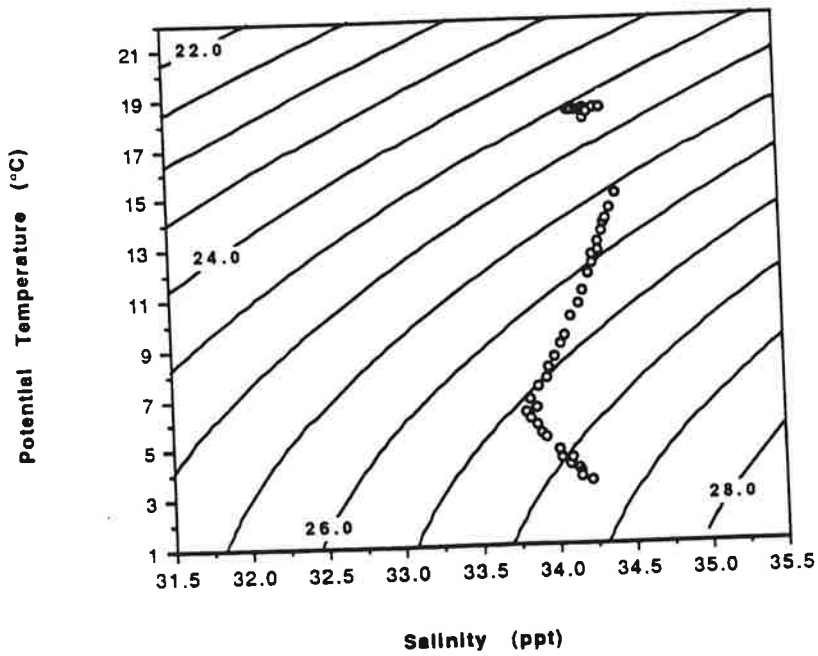
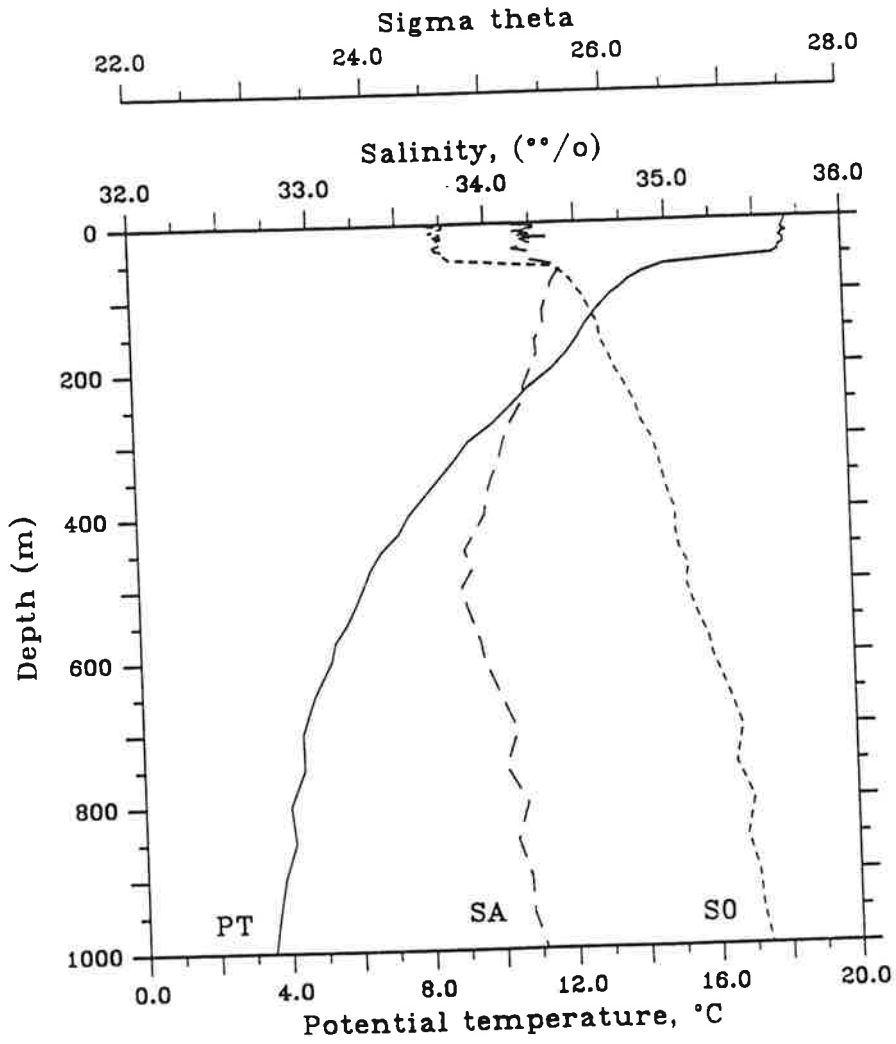


## STATION 106

LATITUDE: 38.0000 N LONGITUDE: 171.0000 W DATE: 28 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIGO	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	18.412	34.153	18.412	24.523	24.523	28.872	24.523	1516.0	340.239	1.64	.00
2.0	2.0	18.412	34.153	18.412	24.523	24.523	28.872	24.531	1516.0	340.303	1.61	44.65
4.0	4.0	18.392	34.312	18.391	24.649	24.650	28.998	24.667	1516.1	328.271	1.60	.20
6.0	6.0	18.375	34.306	18.374	24.649	24.650	28.999	24.676	1516.1	328.336	1.60	-28.98
8.0	8.1	18.355	34.230	18.354	24.596	24.596	28.946	24.632	1515.9	333.496	1.59	8.16
10.0	10.1	18.311	34.222	18.309	24.600	24.601	28.951	24.645	1515.8	333.157	1.58	-32.69
12.0	12.1	18.326	34.137	18.324	24.532	24.533	28.883	24.585	1515.8	339.707	1.58	38.52
14.0	14.1	18.273	34.244	18.270	24.627	24.627	28.978	24.689	1515.7	330.768	1.57	4.71
16.0	16.1	18.283	34.249	18.280	24.628	24.629	28.979	24.699	1515.8	330.698	1.56	-34.48
18.0	18.1	18.330	34.165	18.327	24.552	24.553	28.904	24.632	1515.8	337.974	1.56	41.82
20.0	20.1	18.426	34.342	18.422	24.664	24.665	29.013	24.752	1516.3	327.435	1.55	-33.14
22.0	22.1	18.270	34.200	18.266	24.594	24.595	28.946	24.691	1515.7	334.159	1.54	12.56
24.0	24.2	18.273	34.214	18.268	24.604	24.605	28.956	24.710	1515.7	333.266	1.54	21.60
26.0	26.2	18.212	34.233	18.208	24.633	24.635	28.986	24.749	1515.6	330.499	1.53	4.33
28.0	28.2	18.288	34.259	18.283	24.635	24.636	28.986	24.759	1515.8	330.453	1.52	-20.40
30.0	30.2	18.334	34.239	18.329	24.608	24.609	28.959	24.741	1515.9	333.044	1.52	-20.47
35.0	35.2	18.340	34.154	18.334	24.541	24.543	28.893	24.697	1515.9	339.563	1.51	27.64
40.0	40.3	18.181	34.262	18.174	24.663	24.665	29.016	24.840	1515.5	328.137	1.49	-8.16
45.0	45.3	18.179	34.247	18.171	24.652	24.654	29.006	24.852	1515.5	329.308	1.48	16.23
50.0	50.3	17.991	34.241	17.982	24.694	24.696	29.051	24.916	1515.0	325.463	1.46	51.62
60.0	60.4	14.950	34.428	14.941	25.543	25.545	29.942	25.811	1505.9	244.838	1.44	18.38
70.0	70.5	14.331	34.395	14.321	25.650	25.653	30.060	25.964	1503.9	234.825	1.41	13.35
80.0	80.5	13.957	34.367	13.946	25.707	25.709	30.123	26.066	1502.7	229.657	1.39	10.98
90.0	90.6	13.726	34.354	13.714	25.746	25.748	30.165	26.149	1502.0	226.250	1.36	12.26
100.0	100.6	13.423	34.335	13.410	25.793	25.796	30.219	26.243	1501.0	221.924	1.34	9.56
120.0	120.8	13.035	34.309	13.019	25.851	25.855	30.284	26.391	1499.7	216.841	1.32	10.19
140.0	140.9	12.712	34.312	12.694	25.918	25.921	30.356	26.548	1498.6	210.998	1.27	3.86
160.0	161.1	12.469	34.263	12.448	25.927	25.931	30.370	26.647	1497.8	210.536	1.23	10.03
180.0	181.2	12.161	34.269	12.138	25.991	25.996	30.440	26.802	1496.8	204.853	1.19	8.50
200.0	201.3	11.772	34.233	11.746	26.037	26.042	30.493	26.940	1495.4	200.847	1.14	10.60
225.0	226.5	11.104	34.190	11.076	26.126	26.131	30.595	27.144	1493.1	192.693	1.10	9.73
250.0	251.7	10.591	34.169	10.561	26.201	26.207	30.680	27.334	1491.3	185.891	1.05	7.56
275.0	276.9	10.053	34.108	10.021	26.247	26.252	30.736	27.494	1489.4	181.851	1.00	10.32
300.0	302.1	9.347	34.066	9.314	26.331	26.337	30.834	27.696	1488.8	173.953	.96	7.51
325.0	327.3	8.946	34.041	8.911	26.376	26.382	30.888	27.856	1485.3	169.941	.91	6.48
350.0	352.5	8.504	33.995	8.467	26.409	26.415	30.930	28.006	1483.7	166.947	.87	7.17
375.0	377.7	8.061	33.962	8.023	26.450	26.455	30.980	28.163	1482.0	163.207	.83	8.43
400.0	402.8	7.613	33.950	7.574	26.506	26.512	31.046	28.337	1480.4	157.929	.78	-2.93
425.0	428.1	7.323	33.889	7.282	26.499	26.505	31.045	28.446	1479.2	158.727	.74	5.55
450.0	453.3	6.808	33.829	6.767	26.523	26.528	31.081	28.589	1477.2	156.336	.70	9.88
475.0	478.5	6.484	33.873	6.441	26.601	26.606	31.165	28.784	1476.0	149.044	.66	-5.16
500.0	503.7	6.268	33.811	6.223	26.579	26.585	31.149	28.879	1475.1	151.160	.62	7.73
525.0	528.9	6.035	33.833	5.989	26.626	26.632	31.201	29.043	1474.3	146.754	.58	8.67
550.0	554.1	5.781	33.868	5.734	26.686	26.692	31.267	29.220	1473.3	141.147	.55	9.45
575.0	579.3	5.437	33.905	5.389	26.757	26.762	31.345	29.409	1472.0	134.348	.51	6.03
600.0	604.6	5.322	33.924	5.273	26.785	26.791	31.376	29.554	1471.6	131.763	.48	8.92
650.0	655.0	4.799	34.008	4.748	26.912	26.917	31.514	29.916	1469.7	119.693	.44	8.23
700.0	705.5	4.460	34.097	4.406	27.019	27.025	31.629	30.258	1468.5	109.564	.38	-5.93
750.0	755.9	4.472	34.028	4.415	26.963	26.969	31.574	30.432	1468.6	115.293	.32	9.25
800.0	806.4	4.060	34.144	4.000	27.099	27.105	31.719	30.804	1467.1	102.284	.26	-6.18
850.0	856.9	4.172	34.082	4.108	27.038	27.045	31.656	30.971	1467.5	108.602	.21	7.49
900.0	907.4	3.841	34.151	3.775	27.127	27.133	31.753	31.295	1466.3	100.032	.15	4.00
950.0	958.0	3.658	34.159	3.590	27.152	27.159	31.782	31.554	1465.7	97.674	.10	6.53
1000.0	1008.5	3.509	34.226	3.438	27.220	27.227	31.854	31.854	1465.2	91.383	.00	9.16

STATION 106

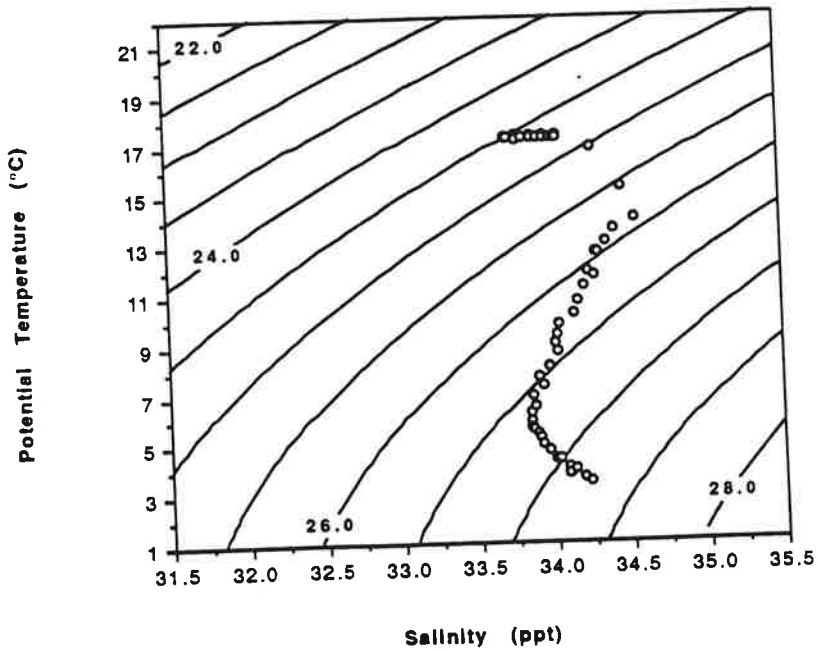
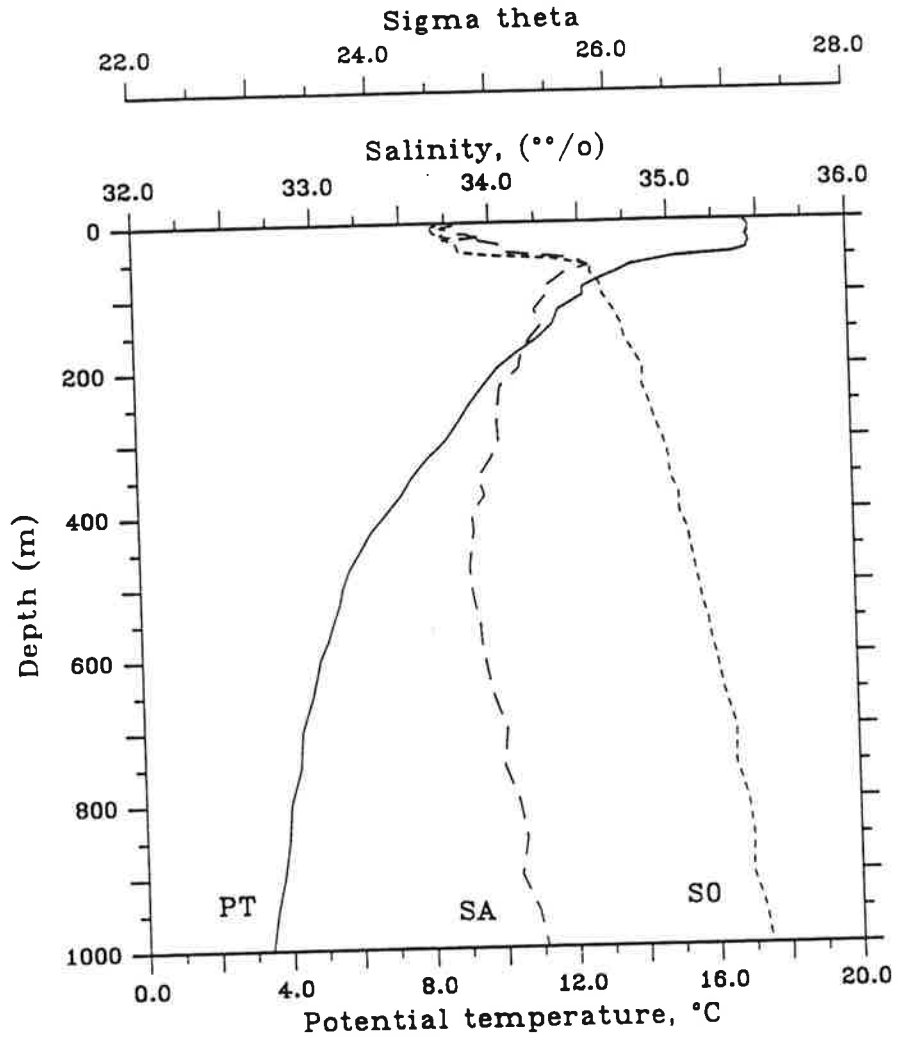


## STATION 107

LATITUDE: 38.2500 N LONGITUDE: 171.0000 W DATE: 28 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIGZ	SOUND	AVOL	DYNH	BVAI
.0	.0	17.153	33.798	17.153	24.557	24.557	28.926	24.557	1511.9	336.985	1.57	.00
2.0	2.0	17.153	33.798	17.153	24.557	24.557	28.926	24.566	1511.9	337.046	1.54	.34
4.0	4.0	17.153	33.798	17.153	24.557	24.557	28.926	24.574	1511.9	337.106	1.54	-32.12
6.0	6.0	17.244	33.741	17.243	24.491	24.491	28.859	24.518	1512.1	343.428	1.53	-12.02
8.0	8.1	17.235	33.726	17.234	24.482	24.482	28.850	24.517	1512.1	344.366	1.52	24.28
10.0	10.1	17.276	33.787	17.274	24.519	24.520	28.887	24.564	1512.3	340.850	1.52	10.56
12.0	12.1	17.258	33.791	17.256	24.526	24.527	28.894	24.580	1512.2	340.234	1.51	2.77
14.0	14.1	17.265	33.794	17.263	24.527	24.528	28.895	24.589	1512.3	340.250	1.50	35.51
16.0	16.1	17.234	33.889	17.232	24.607	24.608	28.975	24.678	1512.3	332.659	1.50	-15.61
18.0	18.1	17.278	33.882	17.274	24.592	24.592	28.959	24.672	1512.4	334.200	1.49	37.92
20.0	20.1	17.192	33.975	17.189	24.683	24.684	29.051	24.772	1512.3	325.537	1.48	-39.94
22.0	22.1	17.181	33.839	17.177	24.582	24.583	28.951	24.680	1512.1	335.273	1.48	29.94
24.0	24.1	17.235	33.931	17.231	24.639	24.640	29.007	24.746	1512.3	329.898	1.47	21.10
26.0	26.2	17.256	33.974	17.252	24.667	24.668	29.034	24.783	1512.5	327.260	1.46	24.18
28.0	28.2	17.238	34.017	17.234	24.704	24.705	29.072	24.829	1512.5	323.775	1.46	15.14
30.0	30.2	17.294	34.054	17.289	24.719	24.720	29.085	24.852	1512.7	322.448	1.45	8.21
35.0	35.2	17.231	34.048	17.225	24.730	24.731	29.097	24.885	1512.5	321.578	1.44	9.18
40.0	40.2	17.215	34.061	17.209	24.743	24.745	29.111	24.921	1512.5	320.454	1.43	40.18
45.0	45.3	16.819	34.273	16.812	25.000	25.002	29.372	25.200	1511.5	296.124	1.41	56.88
50.0	50.3	15.216	34.468	15.209	25.515	25.517	29.910	25.739	1506.8	247.171	1.39	32.29
60.0	60.4	13.971	34.552	13.963	25.848	25.850	30.262	26.117	1502.9	215.780	1.38	-5.79
70.0	70.4	13.505	34.413	13.495	25.837	25.839	30.259	26.151	1501.3	217.018	1.36	13.95
80.0	80.5	12.981	34.356	12.970	25.899	25.901	30.331	26.259	1499.5	211.326	1.33	10.01
90.0	90.6	12.570	34.293	12.558	25.931	25.933	30.370	26.336	1498.1	208.491	1.31	4.67
100.0	100.6	12.593	34.308	12.580	25.938	25.940	30.377	26.388	1498.2	208.085	1.29	11.53
120.0	120.8	11.873	34.238	11.857	26.022	26.025	30.475	26.564	1495.7	200.395	1.27	9.98
140.0	140.9	11.702	34.279	11.684	26.086	26.089	30.542	26.718	1495.2	194.806	1.23	6.71
160.0	161.0	11.247	34.208	11.227	26.114	26.118	30.579	26.838	1493.5	192.430	1.19	10.66
180.0	181.2	10.639	34.161	10.618	26.187	26.190	30.663	27.002	1491.4	185.824	1.15	10.88
200.0	201.3	10.131	34.144	10.108	26.262	26.266	30.748	27.170	1489.6	178.930	1.11	-3.77
225.0	226.5	9.703	34.037	9.677	26.250	26.254	30.746	27.273	1487.9	180.347	1.07	8.34
250.0	251.6	9.305	34.024	9.278	26.306	26.310	30.809	27.444	1486.5	175.414	1.03	7.63
275.0	276.8	8.976	34.016	8.946	26.352	26.356	30.862	27.605	1485.3	171.336	.98	8.88
300.0	302.0	8.604	34.022	8.572	26.414	26.419	30.932	27.783	1484.0	165.653	.94	7.34
325.0	327.2	8.072	33.973	8.040	26.457	26.462	30.986	27.943	1482.0	161.710	.89	3.23
350.0	352.4	7.642	33.903	7.608	26.465	26.470	31.003	28.067	1480.3	161.054	.85	9.41
375.0	377.6	7.327	33.936	7.291	26.535	26.540	31.080	28.254	1479.2	154.554	.81	- .50
400.0	402.7	6.903	33.861	6.866	26.535	26.540	31.090	28.371	1477.5	154.618	.77	9.04
425.0	427.9	6.462	33.868	6.424	26.600	26.604	31.164	28.554	1475.8	148.451	.73	5.59
450.0	453.1	6.175	33.853	6.136	26.624	26.629	31.195	28.696	1474.7	146.177	.69	6.25
475.0	478.4	5.860	33.842	5.819	26.655	26.660	31.233	28.844	1473.5	143.260	.66	6.14
500.0	503.5	5.659	33.848	5.617	26.685	26.690	31.268	28.991	1472.7	140.529	.62	5.84
525.0	528.8	5.549	33.866	5.505	26.712	26.717	31.297	29.134	1472.4	138.141	.58	7.39
550.0	554.0	5.363	33.892	5.318	26.755	26.760	31.345	29.294	1471.7	134.120	.55	5.39
575.0	579.2	5.200	33.897	5.154	26.778	26.784	31.372	29.434	1471.1	132.018	.51	7.13
600.0	604.4	4.963	33.914	4.916	26.818	26.824	31.417	29.592	1470.2	128.181	.48	5.98
650.0	654.8	4.736	33.953	4.686	26.875	26.881	31.479	29.881	1469.4	123.016	.44	7.67
700.0	705.3	4.399	34.025	4.346	26.969	26.974	31.580	30.209	1468.2	114.194	.38	-2.07
750.0	755.7	4.328	34.006	4.272	26.962	26.968	31.576	30.433	1467.9	115.171	.32	7.60
800.0	806.2	4.031	34.083	3.972	27.053	27.059	31.674	30.759	1466.9	106.474	.26	4.85
850.0	856.7	3.954	34.120	3.892	27.091	27.097	31.714	31.028	1466.7	103.241	.20	-2.64
900.0	907.2	3.801	34.086	3.736	27.079	27.086	31.706	31.249	1466.1	104.388	.15	7.73
950.0	957.7	3.575	34.177	3.507	27.174	27.181	31.806	31.578	1465.3	95.404	.10	5.52
1000.0	1008.2	3.423	34.219	3.353	27.222	27.229	31.858	31.858	1464.8	90.912	.00	9.22

STATION 107



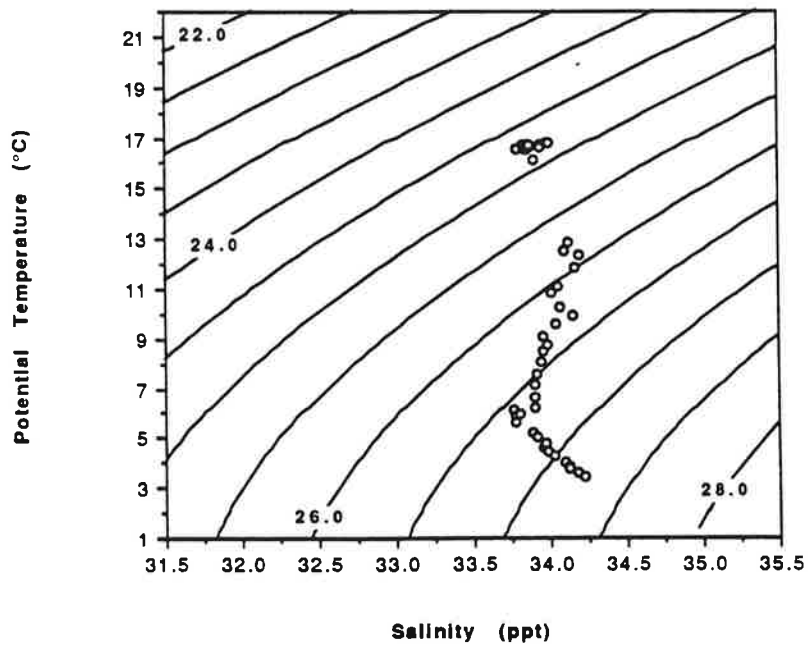
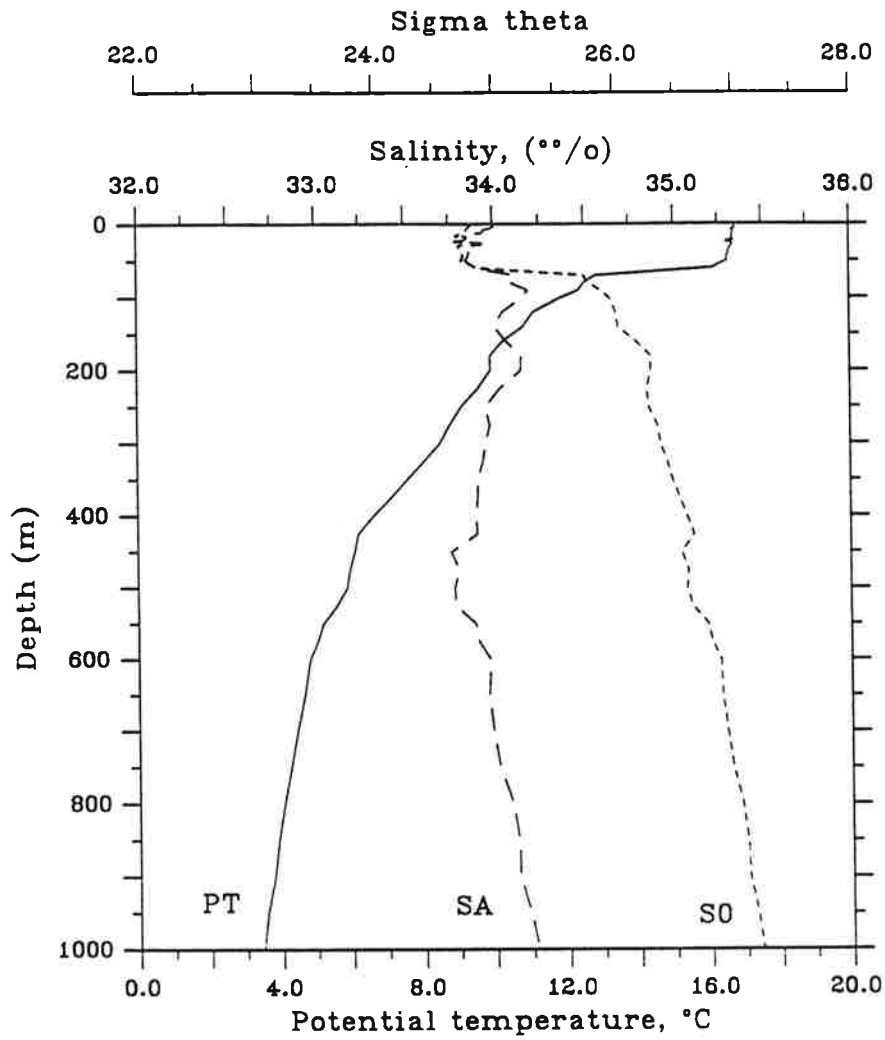
## STATION 108

LATITUDE: 38.4833 N LONGITUDE: 171.0342 W DATE: 28 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	16.750	34.007	16.750	24.812	24.812	29.185	24.812	1510.9	312.712	1.58	.00
2.0	2.0	16.750	34.007	16.750	24.812	24.812	29.185	24.820	1510.9	312.772	1.55	.33
4.0	4.0	16.750	34.007	16.750	24.812	24.812	29.185	24.829	1510.9	312.832	1.54	-17.36
6.0	6.0	16.776	33.989	16.775	24.792	24.793	29.166	24.819	1511.0	314.720	1.54	-6.59
8.0	8.1	16.660	33.951	16.659	24.790	24.790	29.165	24.825	1510.6	315.043	1.53	-14.96
10.0	10.1	16.719	33.950	16.718	24.775	24.776	29.150	24.820	1510.8	316.462	1.53	-11.24
12.0	12.1	16.725	33.941	16.723	24.767	24.768	29.142	24.821	1510.8	317.289	1.52	-24.83
14.0	14.1	16.687	33.878	16.684	24.728	24.729	29.103	24.790	1510.6	321.088	1.51	-23.98
16.0	16.1	16.691	33.832	16.689	24.691	24.692	29.067	24.763	1510.6	324.637	1.51	18.42
18.0	18.1	16.697	33.862	16.694	24.713	24.714	29.088	24.793	1510.6	322.639	1.50	9.33
20.0	20.2	16.657	33.857	16.654	24.719	24.719	29.095	24.808	1510.5	322.171	1.49	-21.75
22.0	22.2	16.737	33.842	16.734	24.688	24.689	29.064	24.786	1510.7	325.102	1.49	14.42
24.0	24.2	16.505	33.789	16.501	24.701	24.702	29.080	24.809	1510.0	323.893	1.48	34.44
26.0	26.2	16.693	33.944	16.689	24.777	24.778	29.152	24.893	1510.7	316.767	1.47	-8.69
28.0	28.2	16.695	33.939	16.690	24.772	24.773	29.148	24.897	1510.7	317.285	1.47	-30.91
30.0	30.2	16.669	33.851	16.664	24.711	24.712	29.088	24.845	1510.6	323.138	1.46	10.07
35.0	35.3	16.597	33.851	16.591	24.728	24.729	29.105	24.884	1510.3	321.746	1.45	11.04
40.0	40.3	16.586	33.873	16.579	24.747	24.748	29.125	24.925	1510.3	320.048	1.44	6.86
45.0	45.4	16.526	33.864	16.519	24.754	24.756	29.133	24.955	1510.2	319.481	1.42	-10.11
50.0	50.4	16.546	33.849	16.538	24.738	24.740	29.117	24.961	1510.2	321.181	1.40	21.24
60.0	60.5	16.121	33.909	16.112	24.882	24.884	29.267	25.149	1509.0	307.769	1.39	52.15
70.0	70.6	12.845	34.127	12.835	25.748	25.750	30.183	26.063	1498.7	225.382	1.36	12.05
80.0	80.7	12.505	34.101	12.495	25.794	25.796	30.236	26.155	1497.6	221.197	1.33	17.50
90.0	90.7	12.370	34.193	12.358	25.892	25.894	30.335	26.297	1497.3	212.159	1.31	15.32
100.0	100.8	11.862	34.164	11.850	25.966	25.969	30.419	26.418	1495.5	205.224	1.28	9.17
120.0	121.0	11.101	34.052	11.086	26.020	26.022	30.487	26.563	1492.8	200.460	1.26	4.91
140.0	141.2	10.826	34.009	10.810	26.035	26.038	30.508	26.669	1491.8	199.383	1.22	15.30
160.0	161.3	10.263	34.074	10.244	26.184	26.187	30.667	26.910	1489.9	185.507	1.18	13.83
180.0	181.5	9.916	34.154	9.896	26.306	26.310	30.796	27.124	1488.8	174.255	1.14	-2.18
200.0	201.7	9.924	34.152	9.901	26.303	26.307	30.793	27.212	1488.8	174.951	1.10	-6.23
225.0	226.9	9.563	34.035	9.538	26.272	26.276	30.770	27.295	1487.4	178.243	1.07	4.23
250.0	252.2	9.092	33.955	9.065	26.286	26.290	30.794	27.425	1485.7	177.169	1.02	9.41
275.0	277.4	8.767	33.980	8.738	26.356	26.361	30.871	27.611	1484.5	170.787	.98	5.62
300.0	302.6	8.483	33.956	8.452	26.381	26.386	30.902	27.751	1483.5	168.701	.93	8.38
325.0	327.9	8.032	33.940	7.999	26.437	26.442	30.967	27.923	1481.8	163.566	.89	7.53
350.0	353.1	7.566	33.911	7.532	26.482	26.487	31.022	28.085	1480.0	159.394	.85	8.79
375.0	378.3	7.119	33.909	7.084	26.543	26.548	31.093	28.264	1478.4	153.646	.81	8.64
400.0	403.6	6.638	33.901	6.601	26.602	26.607	31.163	28.441	1476.5	148.015	.77	8.60
425.0	428.8	6.209	33.905	6.172	26.661	26.666	31.231	28.618	1474.9	142.430	.73	-11.33
450.0	454.1	6.108	33.758	6.069	26.558	26.563	31.131	28.631	1474.3	152.310	.69	8.21
475.0	479.3	5.967	33.804	5.926	26.612	26.617	31.188	28.800	1473.9	147.426	.65	-3.87
500.0	504.6	5.886	33.776	5.843	26.600	26.605	31.178	28.904	1473.6	148.773	.62	7.39
525.0	529.9	5.585	33.784	5.541	26.643	26.648	31.228	29.065	1472.4	144.650	.58	12.89
550.0	555.1	5.198	33.893	5.153	26.775	26.780	31.368	29.316	1471.0	132.025	.54	6.42
575.0	580.4	5.033	33.910	4.987	26.808	26.813	31.405	29.465	1470.4	128.999	.51	9.73
600.0	605.7	4.812	33.974	4.765	26.883	26.888	31.485	29.658	1469.6	121.883	.47	2.60
650.0	656.2	4.650	33.965	4.600	26.894	26.899	31.500	29.901	1469.0	121.145	.44	5.09
700.0	706.8	4.436	33.987	4.383	26.935	26.940	31.546	30.175	1468.3	117.426	.38	5.47
750.0	757.3	4.252	34.022	4.195	26.982	26.988	31.598	30.455	1467.6	113.118	.32	6.88
800.0	807.9	4.057	34.091	3.998	27.057	27.063	31.677	30.763	1467.0	106.162	.26	5.17
850.0	858.5	3.889	34.123	3.827	27.100	27.106	31.724	31.038	1466.4	102.285	.20	3.07
900.0	909.1	3.773	34.126	3.707	27.114	27.121	31.742	31.284	1466.0	101.053	.15	6.41
950.0	959.7	3.569	34.183	3.501	27.179	27.186	31.812	31.583	1465.3	94.897	.10	5.32
1000.0	1010.3	3.461	34.226	3.390	27.225	27.231	31.859	31.859	1465.0	90.811	.00	9.17



## STATION 108

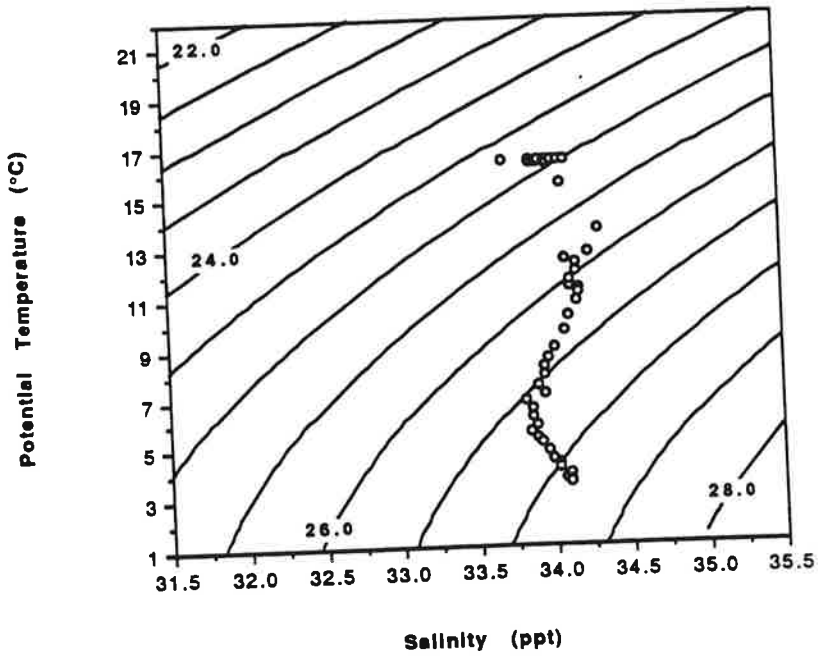
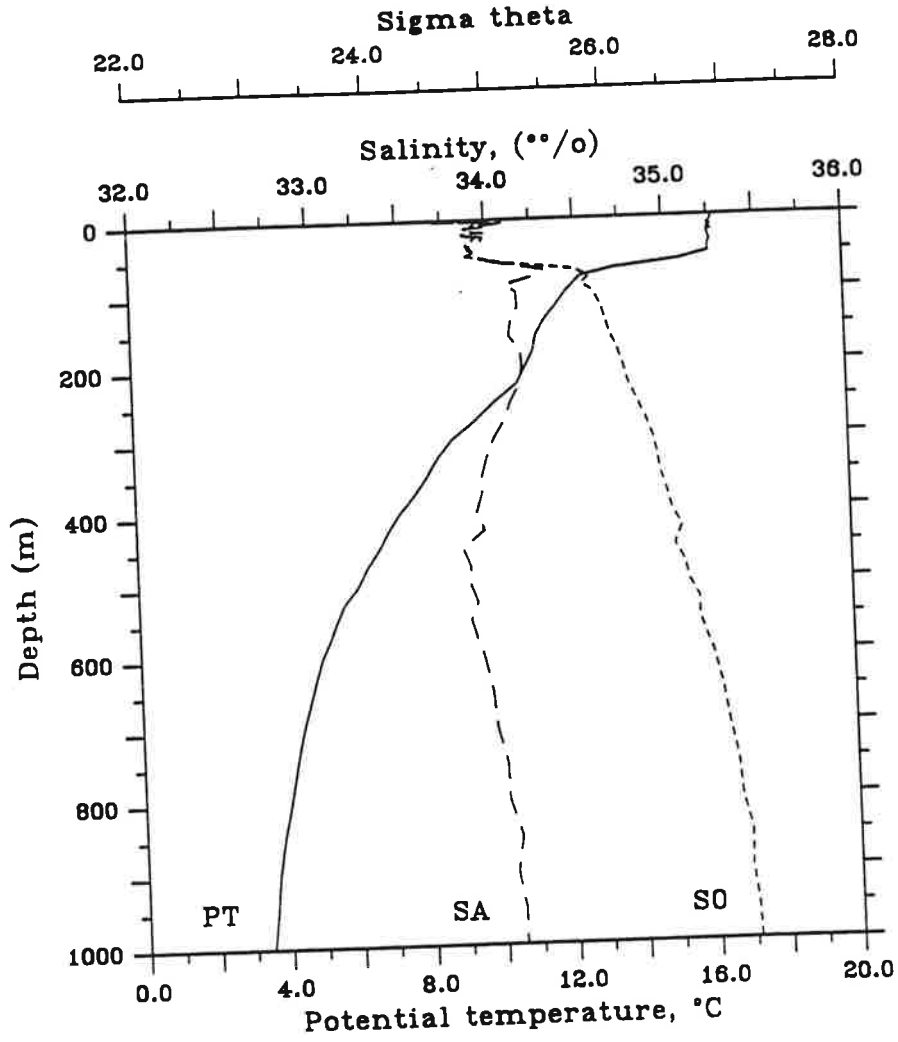


## STATION 112

LATITUDE: 39.4214 N LONGITUDE: 171.0247 W DATE: 29 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYHH	BVAI
.0	.0	16.358	33.711	16.358	24.676	24.676	29.056	24.676	1509.4	325.651	1.61	.00
2.0	2.0	16.358	33.711	16.358	24.676	24.676	29.056	24.685	1509.4	325.709	1.59	68.50
4.0	4.0	16.376	34.106	16.375	24.975	24.975	29.353	24.992	1509.9	297.308	1.58	-24.01
6.0	6.0	16.392	34.063	16.391	24.938	24.938	29.316	24.965	1509.9	300.866	1.57	-28.81
8.0	8.0	16.345	33.980	16.344	24.885	24.885	29.264	24.921	1509.7	305.959	1.57	24.60
10.0	10.1	16.336	34.027	16.335	24.924	24.924	29.303	24.968	1509.7	302.349	1.56	-37.48
12.0	12.1	16.250	33.885	16.248	24.834	24.834	29.216	24.888	1509.3	310.927	1.56	17.90
14.0	14.1	16.365	33.946	16.363	24.854	24.855	29.234	24.917	1509.7	309.047	1.55	-9.25
16.0	16.1	16.306	33.921	16.304	24.849	24.850	29.230	24.920	1509.5	309.624	1.54	33.41
18.0	18.1	16.252	33.998	16.250	24.920	24.921	29.301	25.000	1509.4	302.913	1.54	-41.72
20.0	20.1	16.374	33.890	16.371	24.809	24.810	29.189	24.898	1509.7	313.533	1.53	22.17
22.0	22.1	16.253	33.894	16.249	24.840	24.841	29.222	24.938	1509.3	310.607	1.52	35.35
24.0	24.1	16.239	33.994	16.236	24.920	24.921	29.302	25.027	1509.4	303.088	1.52	-15.31
26.0	26.2	16.289	33.989	16.285	24.905	24.906	29.286	25.021	1509.5	304.571	1.51	-9.23
28.0	28.2	16.292	33.983	16.287	24.900	24.901	29.281	25.025	1509.5	305.147	1.51	-25.82
30.0	30.2	16.296	33.929	16.292	24.857	24.858	29.239	24.991	1509.5	309.250	1.50	-11.12
35.0	35.2	16.330	33.913	16.324	24.837	24.839	29.219	24.994	1509.6	311.274	1.49	8.90
40.0	40.2	16.276	33.914	16.270	24.850	24.851	29.232	25.028	1509.4	310.219	1.48	10.28
45.0	45.3	16.265	33.932	16.258	24.867	24.868	29.249	25.068	1509.4	308.764	1.46	-14.59
50.0	50.3	16.283	33.894	16.275	24.833	24.835	29.216	25.056	1509.5	312.139	1.45	32.68
60.0	60.4	15.439	34.088	15.430	25.173	25.175	29.567	25.441	1507.1	280.017	1.43	42.47
70.0	70.4	13.590	34.320	13.580	25.748	25.750	30.169	26.062	1501.4	225.510	1.40	20.19
80.0	80.5	12.663	34.248	12.652	25.877	25.879	30.315	26.238	1498.3	213.315	1.37	-15.02
90.0	90.6	12.455	34.103	12.443	25.805	25.808	30.268	26.211	1497.4	220.356	1.35	16.81
100.0	100.6	12.245	34.167	12.232	25.896	25.898	30.341	26.347	1496.8	212.017	1.33	10.12
120.0	120.8	11.920	34.171	11.905	25.961	25.964	30.413	26.502	1495.7	206.241	1.31	7.54
140.0	140.9	11.565	34.132	11.548	25.997	26.000	30.456	26.629	1494.5	203.198	1.26	7.30
160.0	161.0	11.326	34.119	11.306	26.031	26.034	30.494	26.754	1493.7	200.376	1.22	9.88
180.0	181.1	11.253	34.181	11.231	26.093	26.097	30.558	26.907	1493.6	194.915	1.18	8.00
200.0	201.3	11.048	34.186	11.024	26.133	26.138	30.603	27.038	1492.9	191.434	1.14	6.88
225.0	226.5	10.778	34.172	10.751	26.171	26.176	30.646	27.190	1492.0	188.311	1.10	9.22
250.0	251.6	10.144	34.117	10.115	26.239	26.243	30.726	27.373	1489.7	182.163	1.05	9.41
275.0	276.8	9.553	34.080	9.523	26.309	26.314	30.808	27.559	1487.5	175.713	1.01	8.35
300.0	302.0	8.898	34.016	8.866	26.364	26.369	30.876	27.731	1485.1	170.593	.96	6.39
325.0	327.2	8.472	33.973	8.438	26.396	26.401	30.918	27.879	1483.5	167.715	.92	5.36
350.0	352.4	8.162	33.942	8.126	26.419	26.424	30.947	28.018	1482.3	165.783	.87	7.89
375.0	377.6	7.806	33.938	7.769	26.468	26.474	31.004	28.184	1481.0	161.262	.83	6.67
400.0	402.7	7.371	33.903	7.332	26.503	26.509	31.048	28.336	1479.4	157.982	.79	10.02
425.0	427.9	7.039	33.946	6.999	26.583	26.589	31.135	28.532	1478.2	150.535	.75	-8.83
450.0	453.1	6.764	33.819	6.723	26.521	26.526	31.080	28.587	1477.0	156.515	.71	9.89
475.0	478.3	6.422	33.860	6.379	26.598	26.604	31.164	28.782	1475.7	149.197	.67	6.26
500.0	503.5	6.158	33.856	6.114	26.629	26.635	31.201	28.930	1474.7	146.322	.63	10.07
525.0	528.7	5.748	33.893	5.703	26.710	26.715	31.291	29.129	1473.2	138.585	.59	-2.11
550.0	554.0	5.519	33.853	5.473	26.706	26.711	31.292	29.243	1472.3	138.957	.56	7.73
575.0	579.2	5.315	33.883	5.268	26.753	26.759	31.344	29.407	1471.5	134.517	.52	8.41
600.0	604.4	5.076	33.918	5.028	26.809	26.815	31.406	29.581	1470.6	129.190	.49	6.62
650.0	654.8	4.774	33.963	4.723	26.879	26.884	31.482	29.884	1469.5	122.731	.45	5.42
700.0	705.3	4.483	33.981	4.430	26.925	26.931	31.535	30.164	1468.5	118.392	.39	6.25
750.0	755.7	4.264	34.030	4.207	26.987	26.993	31.603	30.459	1467.7	112.658	.33	3.82
800.0	806.2	4.075	34.034	4.016	27.010	27.016	31.630	30.715	1467.0	110.596	.27	6.75
850.0	856.7	3.854	34.097	3.793	27.082	27.088	31.708	31.021	1466.2	103.820	.21	-2.06
900.0	907.2	3.691	34.067	3.626	27.075	27.081	31.705	31.247	1465.6	104.528	.16	4.83
950.0	957.7	3.598	34.102	3.530	27.112	27.119	31.744	31.515	1465.3	101.233	.10	2.87
1000.0	1008.2	3.481	34.104	3.411	27.125	27.132	31.760	31.760	1464.9	100.121	.00	8.54

STATION 112

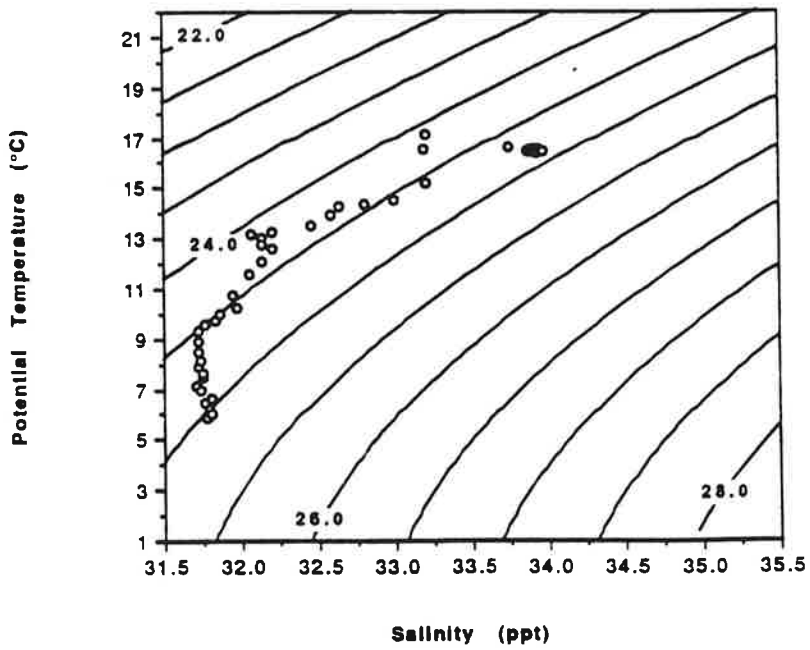
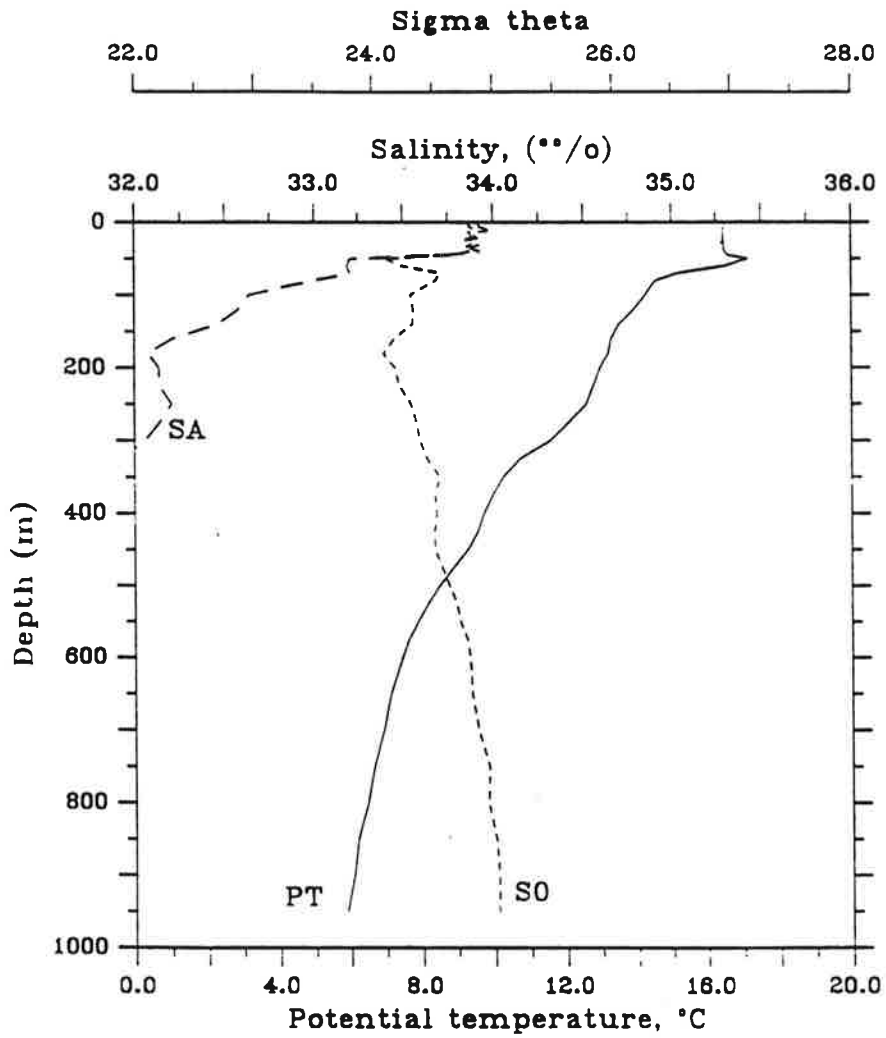


## STATION 113

LATITUDE: 39.6667 N LONGITUDE: 171.0000 W DATE: 29 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIGZ	SOUND	AVOL	DYMH	BVA1
.0	.0	16.506	33.923	16.506	24.804	24.804	29.181	24.804	1510.1	313.415	3.30	.00
2.0	2.0	16.506	33.923	16.505	24.804	24.804	29.181	24.813	1510.1	313.474	3.25	.33
4.0	4.0	16.506	33.923	16.505	24.804	24.804	29.182	24.822	1510.1	313.533	3.24	.33
6.0	6.1	16.506	33.923	16.504	24.804	24.804	29.181	24.831	1510.1	313.592	3.24	20.80
8.0	8.1	16.469	33.948	16.468	24.832	24.832	29.210	24.867	1510.0	311.029	3.23	17.26
10.0	10.1	16.462	33.970	16.460	24.851	24.851	29.229	24.895	1510.0	309.282	3.22	-6.13
12.0	12.1	16.475	33.971	16.473	24.848	24.849	29.226	24.902	1510.1	309.569	3.22	-28.92
14.0	14.1	16.469	33.900	16.467	24.795	24.795	29.173	24.857	1510.0	314.702	3.21	-19.34
16.0	16.1	16.465	33.930	16.462	24.819	24.819	29.197	24.890	1510.0	312.493	3.21	-14.24
18.0	18.1	16.472	33.915	16.469	24.806	24.806	29.184	24.886	1510.0	313.783	3.20	-20.70
20.0	20.2	16.490	33.885	16.487	24.779	24.779	29.157	24.868	1510.0	316.441	3.19	-23.96
22.0	22.2	16.443	33.918	16.440	24.815	24.816	29.194	24.913	1509.9	313.018	3.19	-25.40
24.0	24.2	16.459	33.870	16.455	24.774	24.775	29.153	24.881	1509.9	316.990	3.18	15.23
26.0	26.2	16.502	33.902	16.498	24.789	24.790	29.167	24.905	1510.1	315.644	3.17	26.37
28.0	28.2	16.408	33.931	16.404	24.833	24.834	29.213	24.958	1509.8	311.483	3.17	-15.71
30.0	30.3	16.508	33.941	16.504	24.817	24.819	29.196	24.951	1510.2	313.043	3.16	-16.85
35.0	35.3	16.481	33.874	16.476	24.772	24.773	29.152	24.928	1510.0	317.493	3.15	15.07
40.0	40.3	16.509	33.929	16.502	24.808	24.810	29.187	24.987	1510.2	314.203	3.14	-31.57
45.0	45.4	16.608	33.752	16.600	24.649	24.651	29.028	24.850	1510.3	329.470	3.12	-58.14
50.0	50.4	17.118	33.206	17.110	24.111	24.113	28.486	24.334	1511.2	380.918	3.11	20.04
60.0	60.5	16.517	33.190	16.507	24.239	24.241	28.623	24.507	1509.4	368.990	3.09	31.51
70.0	70.6	15.170	33.209	15.160	24.555	24.557	28.959	24.868	1505.2	339.043	3.05	-9.80
80.0	80.7	14.545	32.994	14.533	24.524	24.527	28.939	24.883	1503.0	342.149	3.01	-18.50
90.0	90.8	14.379	32.808	14.366	24.415	24.418	28.834	24.819	1502.3	352.759	2.98	-18.00
100.0	100.9	14.242	32.637	14.228	24.312	24.315	28.735	24.761	1501.6	362.810	2.94	5.78
120.0	121.0	13.915	32.577	13.898	24.333	24.337	28.762	24.872	1500.5	361.230	2.91	-2.64
140.0	141.2	13.501	32.462	13.482	24.329	24.332	28.766	24.959	1499.1	362.052	2.83	-15.41
160.0	161.4	13.287	32.211	13.265	24.177	24.181	28.620	24.898	1498.1	376.856	2.76	-12.00
180.0	181.6	13.216	32.074	13.191	24.085	24.090	28.531	24.896	1497.7	386.016	2.68	12.19
200.0	201.8	12.974	32.135	12.947	24.180	24.185	28.629	25.081	1497.0	377.398	2.61	6.99
225.0	227.0	12.784	32.137	12.754	24.219	24.225	28.672	25.233	1496.4	374.195	2.53	10.63
250.0	252.2	12.585	32.204	12.553	24.309	24.315	28.765	25.436	1495.9	366.135	2.43	7.54
275.0	277.5	12.081	32.139	12.046	24.353	24.360	28.820	25.596	1494.1	362.164	2.34	6.14
300.0	302.7	11.576	32.058	11.539	24.383	24.390	28.859	25.740	1492.3	359.589	2.24	8.75
325.0	328.0	10.719	31.941	10.681	24.444	24.450	28.936	25.918	1489.2	353.829	2.15	11.52
350.0	353.2	10.266	31.977	10.226	24.549	24.556	29.050	26.139	1487.7	344.000	2.06	-7.38
375.0	378.5	9.968	31.858	9.926	24.505	24.512	29.013	26.211	1486.5	348.349	1.97	4.33
400.0	403.7	9.730	31.827	9.686	24.520	24.527	29.033	26.341	1485.6	347.196	1.88	-4.94
425.0	429.0	9.557	31.767	9.510	24.500	24.508	29.017	26.436	1485.0	349.317	1.80	2.48
450.0	454.2	9.285	31.718	9.237	24.505	24.513	29.028	26.556	1484.0	349.037	1.71	8.68
475.0	479.5	8.889	31.715	8.840	24.565	24.572	29.096	26.733	1482.5	343.417	1.62	8.88
500.0	504.7	8.482	31.717	8.431	24.627	24.634	29.166	26.912	1481.0	337.481	1.53	8.77
525.0	530.0	8.169	31.736	8.116	24.688	24.695	29.234	27.090	1479.9	331.741	1.44	5.90
550.0	555.3	7.887	31.720	7.833	24.715	24.723	29.267	27.234	1478.9	329.169	1.36	8.52
575.0	580.6	7.627	31.747	7.572	24.773	24.780	29.330	27.408	1478.0	323.749	1.27	5.16
600.0	605.8	7.455	31.743	7.398	24.794	24.801	29.355	27.545	1477.3	321.865	1.19	2.98
650.0	656.4	7.128	31.705	7.068	24.807	24.815	29.376	27.791	1476.1	320.726	1.11	5.77
700.0	707.0	6.926	31.738	6.862	24.860	24.868	29.434	28.074	1475.4	316.026	.94	7.36
750.0	757.5	6.657	31.803	6.590	24.946	24.954	29.525	28.392	1474.5	308.066	.78	-2.24
800.0	808.1	6.476	31.763	6.405	24.938	24.946	29.522	28.615	1473.9	309.055	.62	6.24
850.0	858.7	6.202	31.798	6.128	24.999	25.008	29.589	28.908	1472.9	303.267	.46	3.71
900.0	909.4	6.078	31.806	6.000	25.021	25.030	29.614	29.160	1472.5	301.471	.31	.99
950.0	960.0	5.884	31.778	5.803	25.022	25.031	29.620	29.393	1471.8	301.420	.00	3.44

STATION 113

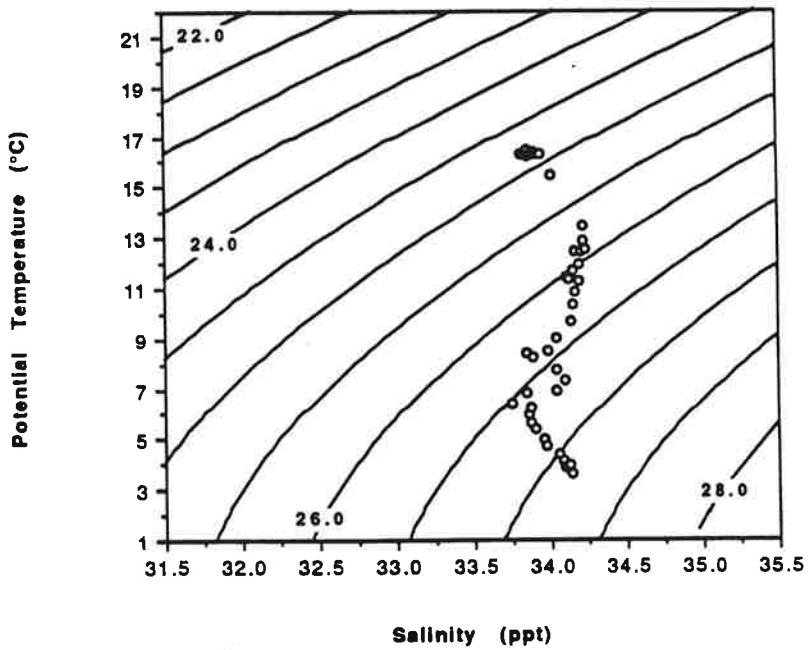
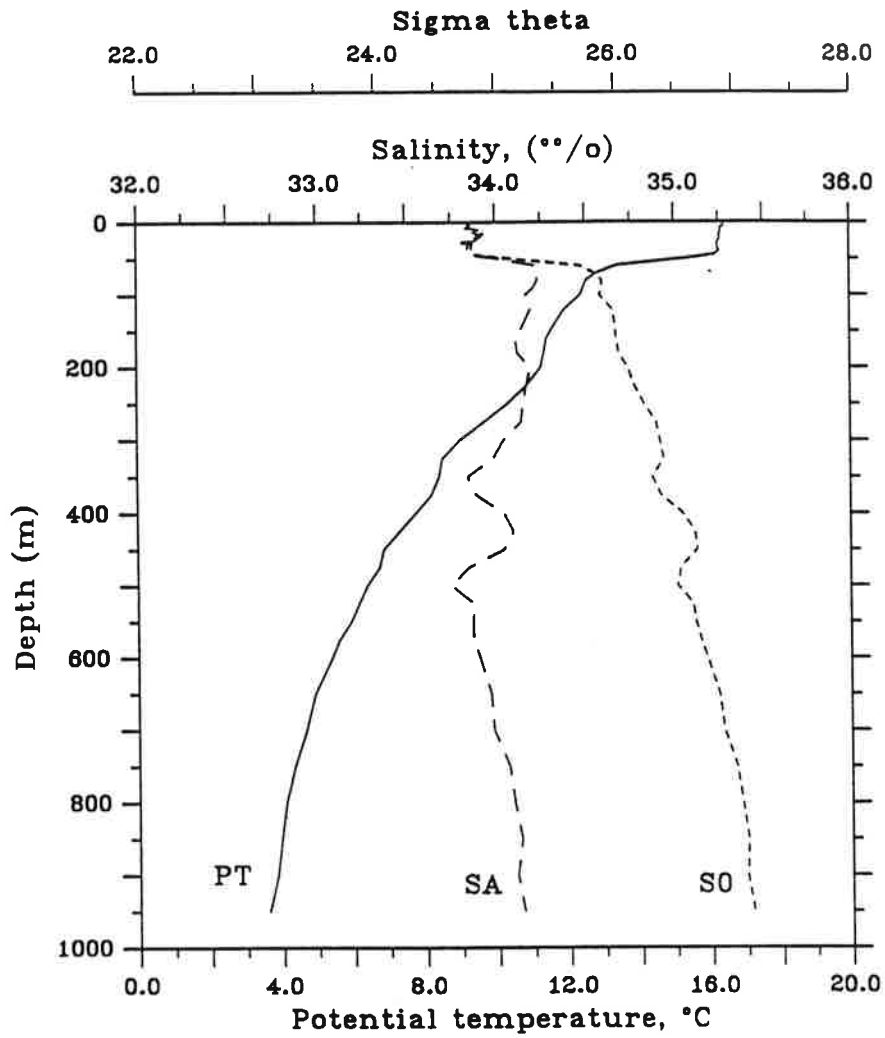


## STATION 115

LATITUDE: 40.1739 N LONGITUDE: 171.0250 W DATE: 29 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	STGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	16.424	33.865	16.424	24.779	24.779	29.158	24.779	1509.8	315.828	1.56	.00
2.0	2.0	16.424	33.865	16.423	24.779	24.779	29.158	24.788	1509.8	315.887	1.54	.33
4.0	4.0	16.424	33.865	16.423	24.779	24.779	29.158	24.797	1509.8	315.946	1.53	.33
6.0	6.0	16.424	33.865	16.423	24.779	24.779	29.158	24.806	1509.8	316.005	1.52	7.77
8.0	8.1	16.318	33.839	16.317	24.783	24.783	29.163	24.818	1509.4	315.697	1.52	25.39
10.0	10.1	16.338	33.898	16.336	24.824	24.824	29.204	24.868	1509.6	311.846	1.51	20.28
12.0	12.1	16.321	33.927	16.319	24.850	24.850	29.230	24.903	1509.5	309.412	1.51	-21.41
14.0	14.1	16.338	33.894	16.336	24.821	24.821	29.201	24.883	1509.6	312.251	1.50	25.51
16.0	16.1	16.311	33.940	16.308	24.862	24.863	29.243	24.934	1509.5	308.361	1.49	-19.12
18.0	18.1	16.285	33.902	16.282	24.839	24.840	29.220	24.919	1509.4	310.638	1.49	13.75
20.0	20.1	16.321	33.928	16.318	24.851	24.852	29.232	24.940	1509.6	309.552	1.48	-16.08
22.0	22.1	16.298	33.900	16.295	24.834	24.835	29.216	24.933	1509.5	311.178	1.47	17.07
24.0	24.2	16.317	33.930	16.313	24.853	24.854	29.234	24.960	1509.6	309.471	1.47	-17.51
26.0	26.2	16.255	33.886	16.251	24.833	24.834	29.215	24.949	1509.3	311.388	1.46	-28.24
28.0	28.2	16.253	33.819	16.248	24.783	24.784	29.165	24.908	1509.2	316.283	1.45	22.84
30.0	30.2	16.237	33.858	16.233	24.816	24.817	29.198	24.950	1509.2	313.178	1.45	-7.79
35.0	35.2	16.249	33.849	16.244	24.806	24.807	29.189	24.962	1509.3	314.247	1.44	4.54
40.0	40.3	16.286	33.864	16.280	24.809	24.811	29.192	24.988	1509.4	314.085	1.43	12.66
45.0	45.3	16.171	33.863	16.164	24.835	24.837	29.219	25.036	1509.1	311.797	1.41	42.21
50.0	50.3	15.443	34.019	15.436	25.119	25.120	29.513	25.342	1507.0	284.904	1.39	43.20
60.0	60.4	13.410	34.228	13.401	25.713	25.715	30.138	25.983	1500.7	228.489	1.38	18.63
70.0	70.5	12.850	34.226	12.841	25.824	25.826	30.258	26.139	1498.9	218.180	1.35	14.48
80.0	80.5	12.545	34.235	12.535	25.890	25.893	30.330	26.251	1497.9	212.053	1.33	-1.89
90.0	90.6	12.462	34.213	12.451	25.889	25.892	30.331	26.295	1497.6	212.397	1.31	-7.72
100.0	100.7	12.387	34.169	12.373	25.870	25.873	30.314	26.321	1497.3	214.432	1.29	12.90
120.0	120.8	11.934	34.194	11.918	25.976	25.979	30.428	26.518	1495.8	204.772	1.26	6.06
140.0	141.0	11.659	34.158	11.642	26.000	26.003	30.457	26.632	1494.9	202.961	1.22	3.54
160.0	161.1	11.421	34.111	11.401	26.007	26.011	30.469	26.731	1494.0	202.603	1.18	5.91
180.0	181.2	11.348	34.123	11.325	26.030	26.034	30.493	26.843	1493.8	200.928	1.14	10.53
200.0	201.4	11.253	34.191	11.228	26.100	26.105	30.566	27.004	1493.6	194.646	1.10	8.38
225.0	226.6	10.856	34.171	10.828	26.156	26.161	30.629	27.174	1492.2	189.764	1.06	9.98
250.0	251.8	10.318	34.151	10.289	26.235	26.240	30.719	27.369	1490.3	182.559	1.01	11.28
275.0	276.9	9.666	34.139	9.635	26.336	26.341	30.833	27.586	1488.0	173.176	.96	6.48
300.0	302.1	8.995	34.042	8.963	26.369	26.375	30.879	27.736	1485.5	170.138	.91	6.24
325.0	327.3	8.505	33.984	8.471	26.400	26.405	30.921	27.883	1483.6	167.366	.87	-10.97
350.0	352.5	8.409	33.843	8.373	26.304	26.310	30.828	27.902	1483.1	176.801	.83	9.48
375.0	377.7	8.187	33.891	8.148	26.375	26.381	30.904	28.088	1482.4	170.310	.78	15.15
400.0	402.9	7.751	34.042	7.711	26.558	26.564	31.095	28.388	1481.0	153.133	.74	11.51
425.0	428.2	7.306	34.095	7.265	26.664	26.669	31.209	28.610	1479.4	143.207	.70	4.76
450.0	453.4	6.876	34.042	6.834	26.681	26.687	31.236	28.746	1477.7	141.508	.66	-13.18
475.0	478.6	6.757	33.846	6.713	26.542	26.548	31.102	28.723	1477.0	154.791	.62	-6.11
500.0	503.8	6.408	33.749	6.363	26.512	26.518	31.080	28.811	1475.6	157.593	.59	12.82
525.0	529.0	6.171	33.876	6.125	26.643	26.649	31.215	29.058	1474.9	145.330	.55	5.28
550.0	554.2	5.943	33.868	5.895	26.665	26.671	31.242	29.197	1474.0	143.299	.51	7.35
575.0	579.5	5.610	33.870	5.562	26.708	26.714	31.292	29.358	1472.7	139.163	.47	8.13
600.0	604.7	5.399	33.904	5.350	26.760	26.766	31.350	29.528	1471.9	134.238	.44	8.03
650.0	655.2	4.918	33.963	4.867	26.862	26.868	31.463	29.866	1470.1	124.493	.40	5.06
700.0	705.6	4.662	33.978	4.607	26.903	26.909	31.509	30.139	1469.2	120.784	.33	8.05
750.0	756.1	4.331	34.062	4.275	27.006	27.012	31.619	30.477	1468.0	111.042	.27	5.49
800.0	806.6	4.083	34.090	4.024	27.053	27.059	31.673	30.758	1467.1	106.569	.21	5.23
850.0	857.1	3.951	34.127	3.889	27.097	27.103	31.720	31.034	1466.7	102.675	.16	-2.19
900.0	907.7	3.835	34.102	3.769	27.089	27.095	31.715	31.257	1466.2	103.567	.10	5.73
950.0	958.2	3.600	34.138	3.532	27.141	27.147	31.773	31.544	1465.4	98.585	.00	8.80

STATION 115



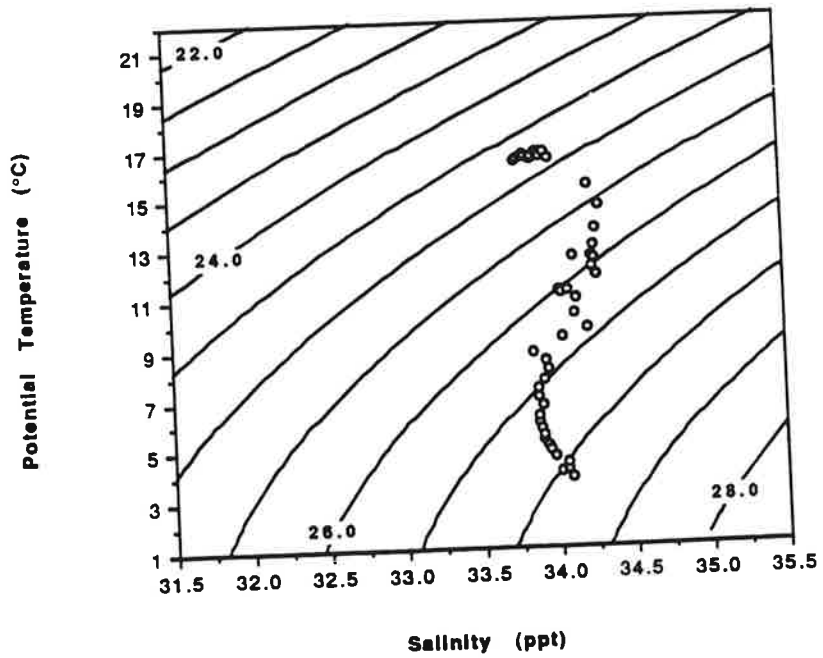
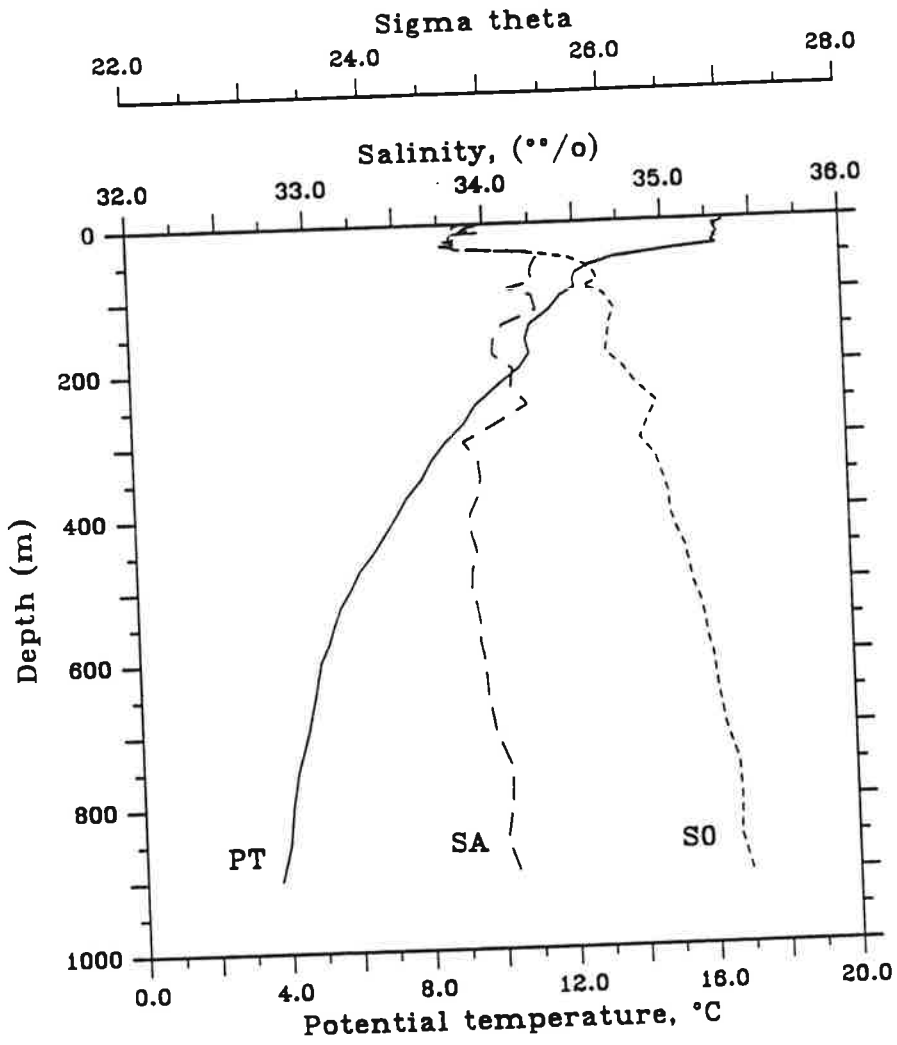
## STATION 116

LATITUDE: 40.4222 N LONGITUDE: 171.0361 W DATE: 29 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	16.700	33.963	16.700	24.790	24.790	29.164	24.790	1510.7	314.803	1.49	.00
2.0	2.0	16.700	33.963	16.700	24.790	24.790	29.164	24.799	1510.7	314.863	1.46	-24.39
4.0	4.1	16.743	33.926	16.743	24.752	24.752	29.126	24.770	1510.8	318.532	1.46	-11.14
6.0	6.1	16.688	33.900	16.688	24.744	24.744	29.119	24.771	1510.6	319.345	1.45	25.96
8.0	8.1	16.441	33.881	16.439	24.787	24.787	29.166	24.822	1509.9	315.314	1.44	8.31
10.0	10.1	16.577	33.928	16.576	24.791	24.792	29.168	24.836	1510.3	314.957	1.44	33.49
12.0	12.1	16.447	33.981	16.445	24.862	24.863	29.241	24.916	1510.0	308.215	1.43	-49.21
14.0	14.2	16.551	33.812	16.549	24.708	24.709	29.086	24.771	1510.1	322.966	1.42	17.00
16.0	16.2	16.509	33.823	16.507	24.727	24.727	29.105	24.798	1510.0	321.272	1.42	-14.47
18.0	18.2	16.576	33.826	16.573	24.713	24.714	29.091	24.794	1510.2	322.603	1.41	-5.70
20.0	20.2	16.586	33.826	16.583	24.711	24.712	29.089	24.800	1510.3	322.860	1.40	16.80
22.0	22.3	16.553	33.840	16.549	24.729	24.730	29.107	24.827	1510.2	321.208	1.40	-19.34
24.0	24.3	16.458	33.780	16.454	24.705	24.706	29.085	24.812	1509.8	323.531	1.39	14.61
26.0	26.3	16.549	33.825	16.545	24.719	24.720	29.097	24.835	1510.2	322.299	1.38	24.18
28.0	28.3	16.493	33.857	16.489	24.756	24.757	29.135	24.881	1510.0	318.811	1.38	-29.27
30.0	30.3	16.410	33.761	16.406	24.701	24.703	29.082	24.835	1509.7	324.065	1.37	19.90
35.0	35.4	16.540	33.882	16.535	24.764	24.766	29.143	24.921	1510.2	318.219	1.37	57.91
40.0	40.5	15.371	34.232	15.365	25.299	25.300	29.692	25.478	1507.0	267.494	1.35	38.79
45.0	45.5	14.518	34.301	14.512	25.538	25.540	29.944	25.740	1504.4	244.800	1.33	32.87
50.0	50.6	13.619	34.280	13.612	25.710	25.712	30.131	25.935	1501.5	228.508	1.32	20.19
60.0	60.7	12.899	34.260	12.891	25.840	25.842	30.274	26.110	1499.1	216.364	1.31	14.47
70.0	70.8	12.516	34.249	12.507	25.907	25.909	30.347	26.222	1497.8	210.238	1.29	9.94
80.0	80.9	12.437	34.270	12.427	25.938	25.941	30.380	26.299	1497.6	207.486	1.26	-19.38
90.0	91.0	12.490	34.128	12.478	25.819	25.821	30.260	26.224	1497.6	219.106	1.24	23.28
100.0	101.2	12.107	34.256	12.094	25.991	25.994	30.439	26.443	1496.5	202.897	1.22	11.39
120.0	121.4	11.750	34.275	11.734	26.074	26.077	30.528	26.616	1495.3	195.465	1.20	-8.16
140.0	141.6	11.197	34.090	11.180	26.031	26.034	30.497	26.665	1493.2	199.829	1.16	-5.25
160.0	161.9	11.070	34.037	11.050	26.014	26.017	30.483	26.738	1492.7	201.907	1.12	-5.87
180.0	182.1	11.159	34.030	11.137	25.992	25.996	30.459	26.806	1493.0	204.456	1.08	14.64
200.0	202.4	10.868	34.138	10.844	26.128	26.133	30.601	27.034	1492.2	191.862	1.04	11.53
225.0	227.7	10.216	34.127	10.190	26.234	26.238	30.719	27.255	1489.9	182.126	1.00	14.48
250.0	253.0	9.618	34.212	9.590	26.401	26.406	30.897	27.537	1487.9	166.566	.95	-9.95
275.0	278.3	9.284	34.041	9.254	26.322	26.326	30.826	27.573	1486.5	174.352	.90	-9.13
300.0	303.6	8.762	33.849	8.731	26.255	26.260	30.771	27.623	1484.4	180.824	.86	12.40
325.0	328.9	8.358	33.926	8.324	26.377	26.382	30.901	27.861	1483.0	169.448	.81	8.13
350.0	354.2	8.074	33.938	8.038	26.430	26.435	30.959	28.029	1482.0	164.713	.77	8.05
375.0	379.6	7.628	33.921	7.591	26.481	26.486	31.020	28.198	1480.3	159.934	.73	2.40
400.0	404.9	7.319	33.870	7.280	26.485	26.490	31.031	28.318	1479.1	159.652	.69	7.93
425.0	430.2	6.993	33.876	6.953	26.535	26.540	31.088	28.485	1477.9	155.035	.65	9.34
450.0	455.5	6.651	33.906	6.610	26.604	26.610	31.165	28.671	1476.7	148.539	.61	6.31
475.0	480.9	6.238	33.877	6.197	26.635	26.641	31.205	28.821	1475.0	145.497	.57	5.89
500.0	506.2	5.976	33.870	5.933	26.663	26.668	31.239	28.965	1474.0	142.951	.53	8.59
525.0	531.6	5.664	33.895	5.620	26.721	26.727	31.304	29.142	1472.9	137.391	.49	6.56
550.0	554.9	5.477	33.910	5.432	26.755	26.761	31.342	29.293	1472.2	134.249	.46	4.76
575.0	582.3	5.307	33.907	5.260	26.773	26.779	31.364	29.427	1471.5	132.628	.42	7.41
600.0	607.6	5.068	33.926	5.020	26.816	26.822	31.413	29.588	1470.6	128.491	.39	4.64
650.0	658.3	4.866	33.940	4.814	26.851	26.856	31.452	29.855	1469.9	125.519	.35	5.83
700.0	709.0	4.636	33.976	4.582	26.904	26.910	31.511	30.141	1469.1	120.596	.29	7.87
750.0	759.8	4.324	34.057	4.267	27.003	27.009	31.617	30.474	1468.0	111.327	.23	3.05
800.0	810.5	4.142	34.052	4.083	27.017	27.023	31.636	30.721	1467.3	110.069	.17	-3.06
850.0	861.3	4.035	34.019	3.973	27.002	27.008	31.624	30.938	1466.9	111.690	.11	7.21
900.0	912.0	3.768	34.088	3.703	27.084	27.091	31.712	31.254	1465.9	103.830	.00	8.98



STATION 116

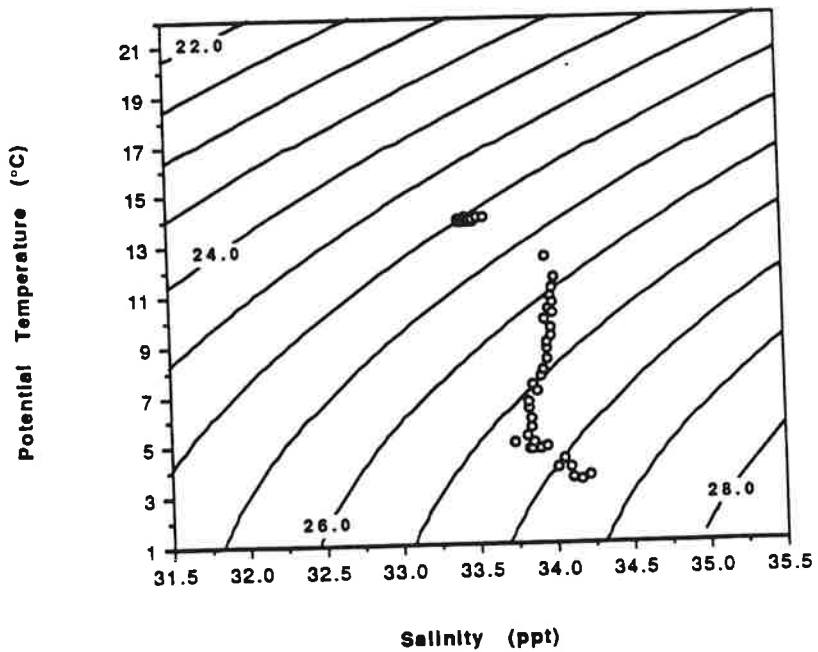
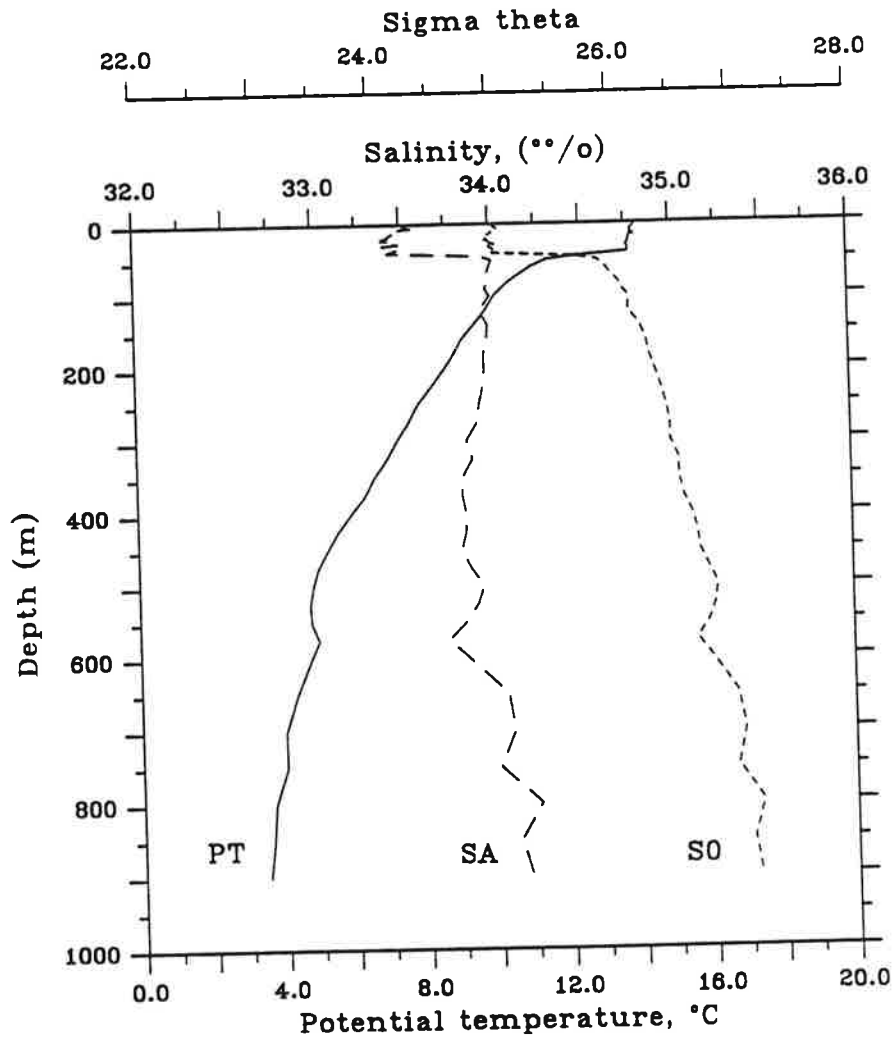


## STATION 120

LATITUDE: 41.3333 N LONGITUDE: 170.9739 W DATE: 30 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	14.045	33.528	14.045	25.041	25.041	29.458	25.041	1501.9	290.845	1.36	.00
2.0	2.0	14.045	33.528	14.044	25.041	25.041	29.458	25.050	1501.9	290.897	1.34	.30
4.0	4.0	14.045	33.528	14.044	25.041	25.041	29.458	25.059	1501.9	290.949	1.34	24.47
6.0	6.1	14.011	33.569	14.010	25.080	25.080	29.497	25.106	1501.8	287.370	1.33	-27.78
8.0	8.1	13.930	33.483	13.929	25.030	25.030	29.450	25.066	1501.5	292.102	1.33	-12.75
10.0	10.1	13.956	33.477	13.954	25.020	25.020	29.439	25.065	1501.5	293.139	1.32	14.24
12.0	12.1	13.970	33.497	13.969	25.033	25.033	29.452	25.087	1501.6	291.962	1.31	-17.99
14.0	14.2	13.918	33.457	13.916	25.012	25.013	29.432	25.075	1501.4	293.975	1.31	-23.83
16.0	16.2	14.040	33.442	14.037	24.976	24.976	29.394	25.048	1501.8	297.472	1.30	19.83
18.0	18.2	13.918	33.442	13.915	25.001	25.002	29.421	25.082	1501.4	295.136	1.30	-16.05
20.0	20.2	13.891	33.414	13.888	24.985	24.985	29.406	25.074	1501.3	296.749	1.29	-15.05
22.0	22.2	13.909	33.400	13.906	24.970	24.971	29.391	25.069	1501.3	298.174	1.28	30.46
24.0	24.3	13.866	33.465	13.862	25.029	25.030	29.451	25.137	1501.3	292.599	1.28	-20.32
26.0	26.3	13.901	33.440	13.897	25.003	25.004	29.424	25.120	1501.4	295.155	1.27	28.36
28.0	28.3	13.863	33.496	13.859	25.054	25.055	29.476	25.180	1501.3	290.328	1.27	-30.57
30.0	30.3	13.822	33.408	13.817	24.995	24.996	29.417	25.129	1501.1	296.041	1.26	17.95
35.0	35.4	13.878	33.490	13.873	25.046	25.047	29.467	25.203	1501.3	291.289	1.25	-15.33
40.0	40.4	13.848	33.433	13.842	25.008	25.010	29.431	25.188	1501.2	294.975	1.24	66.17
45.0	45.5	12.384	33.957	12.378	25.706	25.707	30.149	25.909	1496.9	228.695	1.22	35.01
50.0	50.6	11.595	34.016	11.589	25.902	25.903	30.358	26.128	1494.3	210.191	1.21	14.73
60.0	60.7	11.151	34.001	11.144	25.971	25.972	30.436	26.242	1492.8	203.807	1.20	11.57
70.0	70.8	10.852	33.986	10.843	26.013	26.015	30.484	26.331	1491.7	199.944	1.18	13.81
80.0	80.9	10.539	33.994	10.530	26.074	26.076	30.551	26.437	1490.7	194.346	1.16	8.59
90.0	91.0	10.328	33.977	10.317	26.097	26.099	30.579	26.506	1489.9	192.291	1.14	12.98
100.0	101.1	10.122	34.000	10.110	26.151	26.153	30.636	26.606	1489.2	187.364	1.12	-1.37
120.0	121.3	9.873	33.945	9.860	26.150	26.152	30.640	26.696	1488.3	187.835	1.10	11.72
140.0	141.6	9.541	33.987	9.526	26.237	26.240	30.734	26.875	1487.2	179.848	1.06	8.98
160.0	161.8	9.197	33.981	9.179	26.289	26.292	30.793	27.018	1485.9	175.264	1.02	5.75
180.0	182.0	8.988	33.965	8.969	26.310	26.313	30.818	27.131	1485.2	173.577	.99	8.29
200.0	202.3	8.710	33.965	8.689	26.354	26.357	30.868	27.267	1484.2	169.697	.95	8.09
225.0	227.5	8.325	33.956	8.302	26.406	26.409	30.928	27.434	1482.8	165.040	.92	7.18
250.0	252.8	7.920	33.931	7.895	26.446	26.450	30.978	27.591	1481.2	161.389	.87	6.12
275.0	278.1	7.643	33.918	7.616	26.476	26.480	31.014	27.736	1480.2	158.831	.83	.37
300.0	303.4	7.309	33.857	7.281	26.476	26.480	31.021	27.852	1478.9	159.021	.79	9.05
325.0	328.8	7.021	33.889	6.991	26.541	26.545	31.092	28.034	1477.9	153.045	.75	2.02
350.0	354.1	6.659	33.831	6.627	26.544	26.548	31.104	28.154	1476.4	152.848	.71	6.33
375.0	379.4	6.394	33.827	6.361	26.576	26.580	31.141	28.302	1475.4	149.982	.67	9.30
400.0	404.7	5.983	33.848	5.949	26.644	26.649	31.219	28.488	1473.9	143.478	.63	7.55
425.0	430.0	5.600	33.845	5.564	26.689	26.694	31.273	28.652	1472.4	139.171	.59	4.40
450.0	455.3	5.298	33.819	5.262	26.705	26.709	31.295	28.785	1471.2	137.721	.56	9.45
475.0	480.6	5.018	33.867	4.981	26.775	26.780	31.372	28.973	1470.1	131.012	.52	9.52
500.0	506.0	4.872	33.938	4.833	26.847	26.852	31.447	29.162	1469.7	124.318	.49	-4.62
525.0	531.3	4.779	33.903	4.738	26.830	26.835	31.433	29.261	1469.3	126.068	.46	-8.43
550.0	556.6	4.803	33.835	4.760	26.774	26.778	31.376	29.319	1469.3	131.666	.42	-11.31
575.0	582.0	5.005	33.735	4.959	26.672	26.677	31.271	29.330	1470.1	141.744	.39	12.03
600.0	607.3	4.779	33.848	4.733	26.787	26.792	31.391	29.563	1469.3	130.865	.36	11.58
650.0	658.0	4.352	34.059	4.304	27.001	27.006	31.613	30.011	1467.9	110.677	.32	6.20
700.0	708.7	4.021	34.091	3.970	27.061	27.066	31.681	30.307	1466.7	104.883	.26	-6.47
750.0	759.4	4.028	34.008	3.973	26.994	27.000	31.615	30.471	1466.7	111.564	.21	11.48
800.0	810.1	3.686	34.229	3.629	27.204	27.210	31.832	30.916	1465.6	91.721	.15	-7.28
850.0	860.8	3.616	34.113	3.556	27.119	27.125	31.750	31.063	1465.3	99.888	.10	5.90
900.0	911.6	3.497	34.168	3.433	27.175	27.181	31.808	31.350	1464.9	94.833	.00	9.14

STATION 120

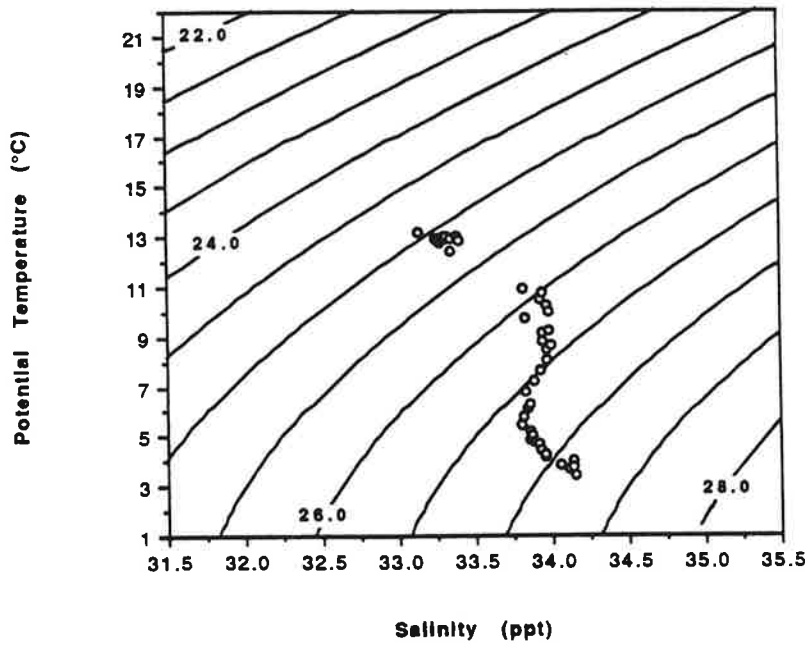
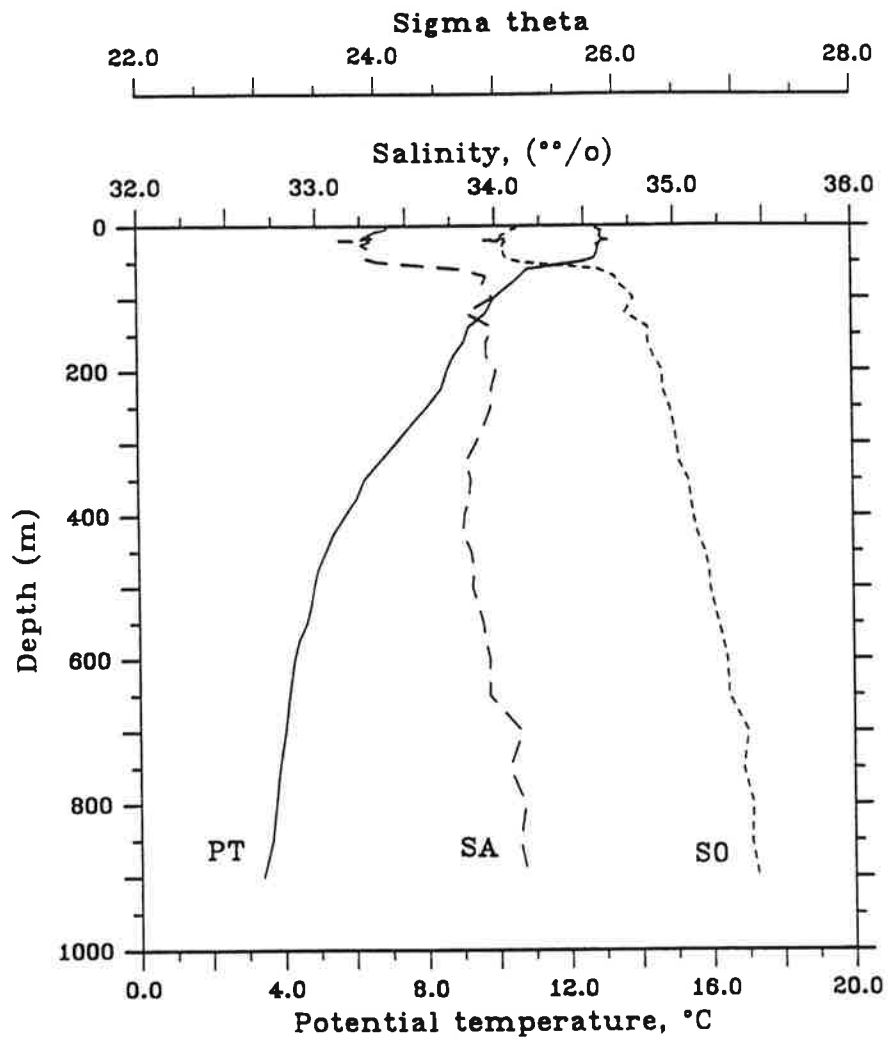


## STATION 121

LATITUDE: 41.5833 N LONGITUDE: 170.9833 W DATE: 30 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	12.836	33.401	12.836	25.187	25.187	29.625	25.187	1497.7	276.943	1.35	.00
2.0	2.0	12.836	33.401	12.836	25.187	25.187	29.625	25.196	1497.7	276.991	1.33	.29
4.0	4.0	12.836	33.401	12.836	25.187	25.187	29.625	25.205	1497.7	277.039	1.33	-27.98
6.0	6.1	13.037	33.388	13.036	25.138	25.138	29.572	25.164	1498.4	281.837	1.32	-15.47
8.0	8.1	12.936	33.342	12.935	25.122	25.122	29.559	25.158	1498.0	283.336	1.32	-20.05
10.0	10.1	12.991	33.323	12.990	25.097	25.097	29.533	25.142	1498.2	285.823	1.31	-15.78
12.0	12.1	12.989	33.302	12.988	25.081	25.081	29.517	25.135	1498.2	287.381	1.31	-23.25
14.0	14.2	12.932	33.243	12.930	25.046	25.047	29.484	25.109	1497.9	290.705	1.30	29.13
16.0	16.2	12.963	33.321	12.961	25.100	25.101	29.537	25.172	1498.1	285.611	1.29	-13.69
18.0	18.2	13.016	33.319	13.013	25.088	25.089	29.524	25.170	1498.3	286.797	1.29	-52.83
20.0	20.2	13.198	33.136	13.195	24.910	24.911	29.345	25.001	1498.7	303.775	1.28	53.66
22.0	22.2	12.952	33.310	12.949	25.094	25.095	29.531	25.193	1498.1	286.359	1.28	-19.06
24.0	24.3	12.963	33.283	12.960	25.071	25.071	29.508	25.179	1498.1	288.610	1.27	6.01
26.0	26.3	12.853	33.258	12.849	25.073	25.074	29.512	25.190	1497.7	288.435	1.26	-11.18
28.0	28.3	12.928	33.267	12.925	25.065	25.066	29.503	25.191	1497.9	289.244	1.26	20.61
30.0	30.3	12.896	33.293	12.892	25.092	25.093	29.531	25.228	1497.9	286.715	1.25	-11.30
35.0	35.4	12.889	33.266	12.885	25.072	25.073	29.511	25.230	1497.8	288.772	1.25	6.11
40.0	40.5	12.845	33.262	12.839	25.078	25.079	29.518	25.258	1497.7	288.324	1.23	12.35
45.0	45.5	12.795	33.281	12.790	25.102	25.103	29.543	25.305	1497.5	286.131	1.22	27.22
50.0	50.6	12.454	33.347	12.447	25.220	25.221	29.666	25.446	1496.5	275.000	1.20	45.12
60.0	60.7	10.903	33.813	10.896	25.869	25.870	30.340	26.141	1491.7	213.443	1.19	21.07
70.0	70.8	10.709	33.950	10.700	26.010	26.012	30.484	26.328	1491.2	200.200	1.16	9.14
80.0	80.9	10.467	33.930	10.458	26.037	26.039	30.516	26.400	1490.3	197.851	1.14	15.58
90.0	91.0	10.206	33.972	10.196	26.114	26.116	30.597	26.523	1489.5	190.679	1.12	12.35
100.0	101.1	9.960	33.980	9.949	26.163	26.165	30.651	26.618	1488.6	186.230	1.10	-10.67
120.0	121.4	9.735	33.839	9.721	26.090	26.092	30.584	26.636	1487.6	193.473	1.08	17.28
140.0	141.6	9.260	33.983	9.245	26.280	26.283	30.783	26.919	1486.1	175.708	1.04	-2.58
160.0	161.9	9.123	33.949	9.105	26.276	26.279	30.782	27.006	1485.6	176.451	1.01	8.59
180.0	182.1	8.825	33.949	8.806	26.323	26.326	30.835	27.145	1484.6	172.274	.97	10.58
200.0	202.3	8.637	34.002	8.616	26.394	26.397	30.910	27.308	1483.9	165.807	.94	2.15
225.0	227.7	8.470	33.974	8.446	26.398	26.401	30.917	27.426	1483.3	165.833	.90	8.62
250.0	253.0	8.070	33.973	8.045	26.457	26.461	30.985	27.601	1481.9	160.479	.86	6.55
275.0	278.3	7.619	33.932	7.593	26.491	26.495	31.029	27.751	1480.1	157.428	.82	5.40
300.0	303.6	7.204	33.887	7.176	26.514	26.518	31.061	27.891	1478.5	155.382	.78	4.76
325.0	328.9	6.761	33.832	6.732	26.531	26.535	31.089	28.026	1476.8	153.760	.74	9.83
350.0	354.2	6.328	33.857	6.297	26.608	26.612	31.175	28.220	1475.2	146.531	.70	4.94
375.0	379.6	6.113	33.847	6.080	26.628	26.632	31.199	28.356	1474.3	144.856	.66	5.10
400.0	404.9	5.778	33.820	5.745	26.648	26.652	31.227	28.494	1473.0	142.945	.62	6.55
425.0	430.2	5.447	33.812	5.412	26.682	26.686	31.269	28.646	1471.7	139.729	.59	8.77
450.0	455.5	5.222	33.856	5.186	26.743	26.747	31.335	28.824	1470.9	134.018	.55	6.76
475.0	480.9	5.004	33.870	4.967	26.779	26.783	31.376	28.977	1470.1	130.636	.51	2.91
500.0	506.2	4.887	33.862	4.849	26.786	26.790	31.386	29.100	1469.6	130.134	.48	6.51
525.0	531.6	4.800	33.892	4.759	26.819	26.824	31.421	29.250	1469.4	127.111	.45	6.62
550.0	556.9	4.674	33.918	4.631	26.854	26.859	31.459	29.401	1468.9	123.926	.41	6.72
575.0	582.3	4.441	33.931	4.398	26.890	26.895	31.500	29.555	1468.0	120.495	.38	6.37
600.0	607.6	4.311	33.954	4.266	26.922	26.927	31.535	29.704	1467.5	117.520	.35	2.96
650.0	658.3	4.162	33.952	4.114	26.936	26.941	31.553	29.950	1467.0	116.441	.32	9.90
700.0	709.0	4.044	34.133	3.993	27.092	27.097	31.711	30.337	1466.8	102.047	.26	-4.99
750.0	759.8	3.876	34.061	3.822	27.052	27.057	31.676	30.531	1466.1	105.918	.21	7.03
800.0	810.5	3.762	34.146	3.705	27.131	27.136	31.757	30.841	1465.8	98.733	.15	-2.89
850.0	861.3	3.655	34.115	3.595	27.117	27.123	31.747	31.060	1465.4	100.165	.10	6.00
900.0	912.0	3.403	34.156	3.341	27.174	27.180	31.810	31.351	1464.5	94.682	.00	8.64

STATION 121

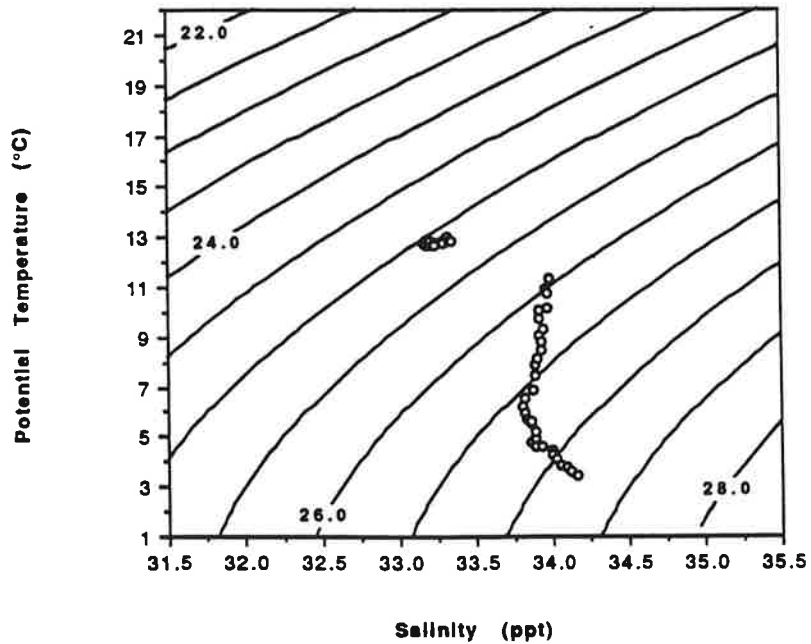
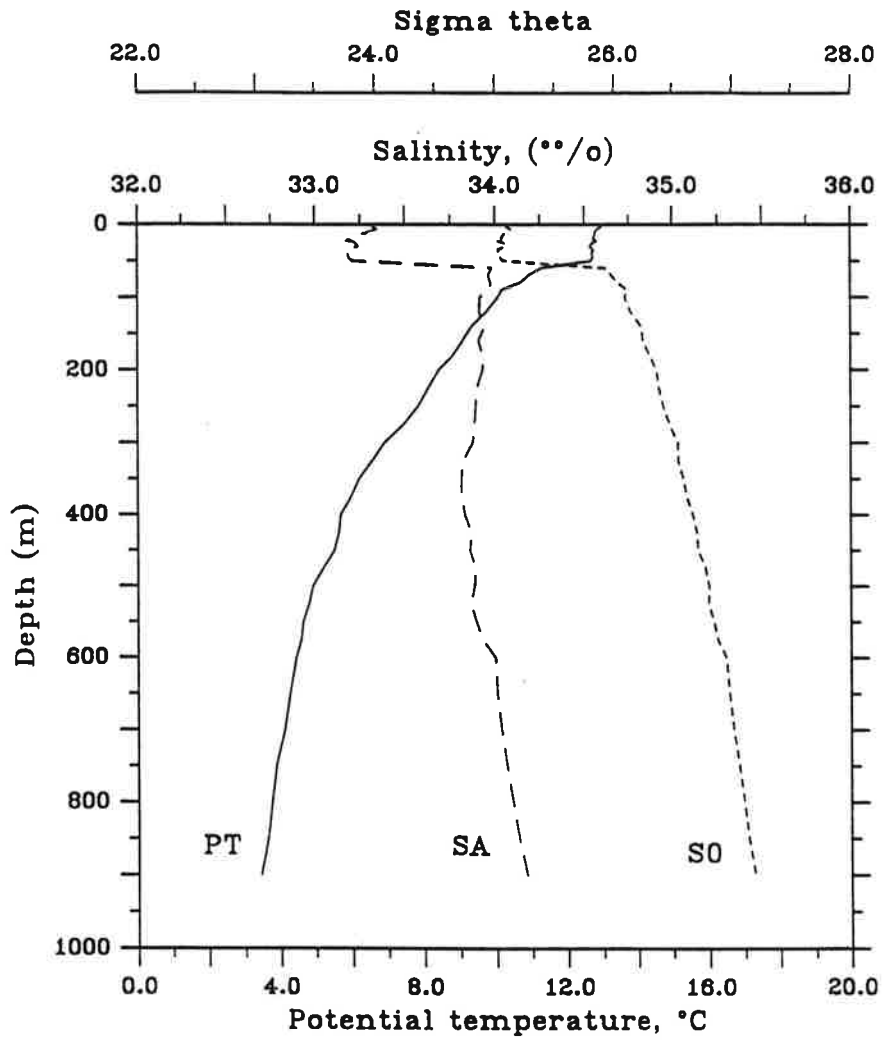


## STATION 122

LATITUDE: 41.8333 N LONGITUDE: 171.0000 W DATE: 30 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	12.981	33.324	12.981	25.099	25.099	29.535	25.099	1498.1	285.322	1.36	.00
2.0	2.0	12.981	33.324	12.981	25.099	25.099	29.535	25.108	1498.1	285.370	1.35	.29
4.0	4.0	12.981	33.324	12.980	25.099	25.099	29.535	25.117	1498.1	285.418	1.34	23.76
6.0	6.1	12.884	33.346	12.883	25.135	25.135	29.573	25.162	1497.8	282.044	1.33	-7.29
8.0	8.1	12.842	33.331	12.841	25.132	25.132	29.570	25.168	1497.7	282.414	1.33	-15.98
10.0	10.1	12.791	33.297	12.790	25.116	25.116	29.555	25.161	1497.5	284.009	1.32	-11.24
12.0	12.1	12.809	33.291	12.807	25.108	25.108	29.547	25.162	1497.5	284.823	1.32	-23.49
14.0	14.2	12.791	33.241	12.789	25.072	25.073	29.513	25.135	1497.4	288.217	1.31	-1.32
16.0	16.2	12.780	33.238	12.777	25.072	25.073	29.513	25.144	1497.4	288.275	1.30	-15.97
18.0	18.2	12.761	33.213	12.758	25.056	25.056	29.497	25.137	1497.3	289.869	1.30	6.02
20.0	20.2	12.747	33.212	12.744	25.058	25.059	29.500	25.149	1497.2	289.697	1.29	-26.58
22.0	22.2	12.844	33.178	12.841	25.013	25.014	29.453	25.113	1497.5	294.032	1.29	22.81
24.0	24.3	12.815	33.214	12.812	25.046	25.047	29.486	25.155	1497.5	290.924	1.28	23.60
26.0	26.3	12.712	33.234	12.709	25.082	25.083	29.524	25.199	1497.2	287.591	1.27	6.17
28.0	28.3	12.698	33.233	12.694	25.084	25.085	29.526	25.211	1497.1	287.408	1.27	14.80
30.0	30.3	12.661	33.242	12.657	25.098	25.099	29.541	25.234	1497.0	286.126	1.26	-21.48
35.0	35.4	12.762	33.173	12.757	25.025	25.026	29.466	25.183	1497.3	293.241	1.26	11.35
40.0	40.4	12.710	33.186	12.704	25.045	25.046	29.488	25.226	1497.1	291.406	1.24	-5.55
45.0	45.5	12.748	33.189	12.743	25.040	25.042	29.482	25.243	1497.3	291.996	1.23	12.94
50.0	50.6	12.684	33.208	12.677	25.067	25.068	29.510	25.292	1497.1	289.575	1.21	52.05
60.0	60.7	11.293	33.982	11.286	25.930	25.931	30.393	26.202	1493.3	207.656	1.20	12.35
70.0	70.8	10.939	33.962	10.931	25.979	25.980	30.448	26.296	1492.0	203.221	1.17	12.67
80.0	80.9	10.713	33.977	10.704	26.030	26.032	30.503	26.393	1491.3	198.553	1.15	16.47
90.0	91.0	10.188	33.970	10.177	26.116	26.118	30.600	26.525	1489.4	190.476	1.13	-8.56
100.0	101.1	10.080	33.917	10.069	26.093	26.095	30.579	26.548	1489.0	192.882	1.11	8.91
120.0	121.4	9.759	33.912	9.745	26.144	26.146	30.636	26.690	1487.8	188.417	1.09	11.98
140.0	141.6	9.346	33.943	9.331	26.235	26.237	30.736	26.873	1486.4	180.037	1.05	4.82
160.0	161.8	9.096	33.910	9.079	26.250	26.252	30.756	26.979	1485.5	178.943	1.02	9.68
180.0	182.0	8.828	33.932	8.809	26.309	26.312	30.821	27.131	1484.5	173.570	.98	9.60
200.0	202.3	8.446	33.931	8.425	26.368	26.371	30.888	27.282	1483.1	168.223	.94	4.99
225.0	227.6	8.148	33.899	8.125	26.388	26.391	30.914	27.417	1482.0	166.651	.91	6.70
250.0	252.9	7.868	33.892	7.843	26.423	26.427	30.956	27.568	1481.0	163.551	.86	8.23
275.0	278.2	7.463	33.886	7.437	26.477	26.481	31.018	27.738	1479.5	158.635	.82	9.17
300.0	303.5	6.922	33.875	6.894	26.544	26.548	31.097	27.922	1477.4	152.367	.78	1.97
325.0	328.8	6.576	33.820	6.547	26.546	26.550	31.108	28.042	1476.1	152.208	.74	7.24
350.0	354.1	6.203	33.812	6.172	26.588	26.592	31.157	28.201	1474.6	148.337	.70	6.06
375.0	379.4	5.985	33.814	5.953	26.617	26.621	31.191	28.346	1473.8	145.724	.66	7.87
400.0	404.8	5.702	33.832	5.669	26.666	26.670	31.247	28.513	1472.7	141.138	.63	6.49
425.0	430.1	5.648	33.866	5.613	26.700	26.704	31.282	28.662	1472.6	138.222	.59	3.30
450.0	455.4	5.528	33.858	5.490	26.708	26.713	31.293	28.786	1472.1	137.585	.56	8.71
475.0	480.7	5.220	33.888	5.182	26.769	26.773	31.361	28.964	1471.0	131.869	.52	5.98
500.0	506.1	4.932	33.882	4.893	26.797	26.801	31.395	29.110	1469.8	129.156	.49	-1.91
525.0	531.4	4.819	33.862	4.778	26.794	26.798	31.396	29.224	1469.4	129.558	.45	7.41
550.0	556.7	4.646	33.893	4.604	26.837	26.842	31.443	29.385	1468.8	125.488	.42	6.46
575.0	582.1	4.590	33.927	4.546	26.871	26.875	31.477	29.533	1468.6	122.531	.39	9.43
600.0	607.4	4.445	33.996	4.400	26.941	26.946	31.551	29.721	1468.2	115.925	.36	4.08
650.0	658.1	4.266	34.005	4.218	26.967	26.972	31.582	29.980	1467.5	113.648	.32	4.66
700.0	708.8	4.110	34.028	4.058	27.002	27.007	31.620	30.247	1467.0	110.596	.27	5.56
750.0	759.5	3.875	34.059	3.820	27.051	27.056	31.675	30.529	1466.1	106.021	.21	4.91
800.0	810.2	3.750	34.092	3.693	27.089	27.095	31.716	30.800	1465.7	102.601	.15	4.89
850.0	861.0	3.637	34.125	3.577	27.127	27.133	31.757	31.070	1465.4	99.209	.10	5.85
900.0	911.7	3.440	34.169	3.377	27.181	27.187	31.816	31.358	1464.7	94.091	.00	8.35

STATION 122



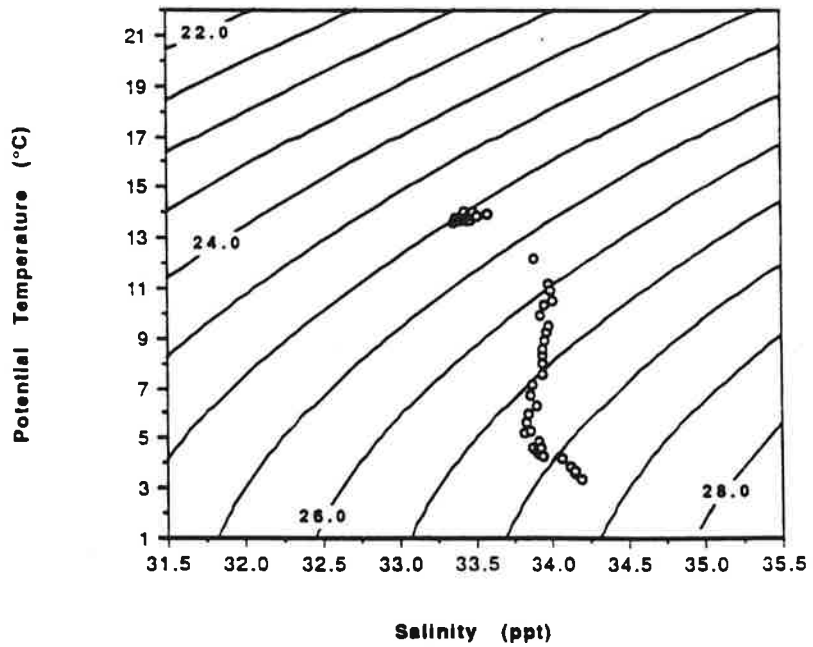
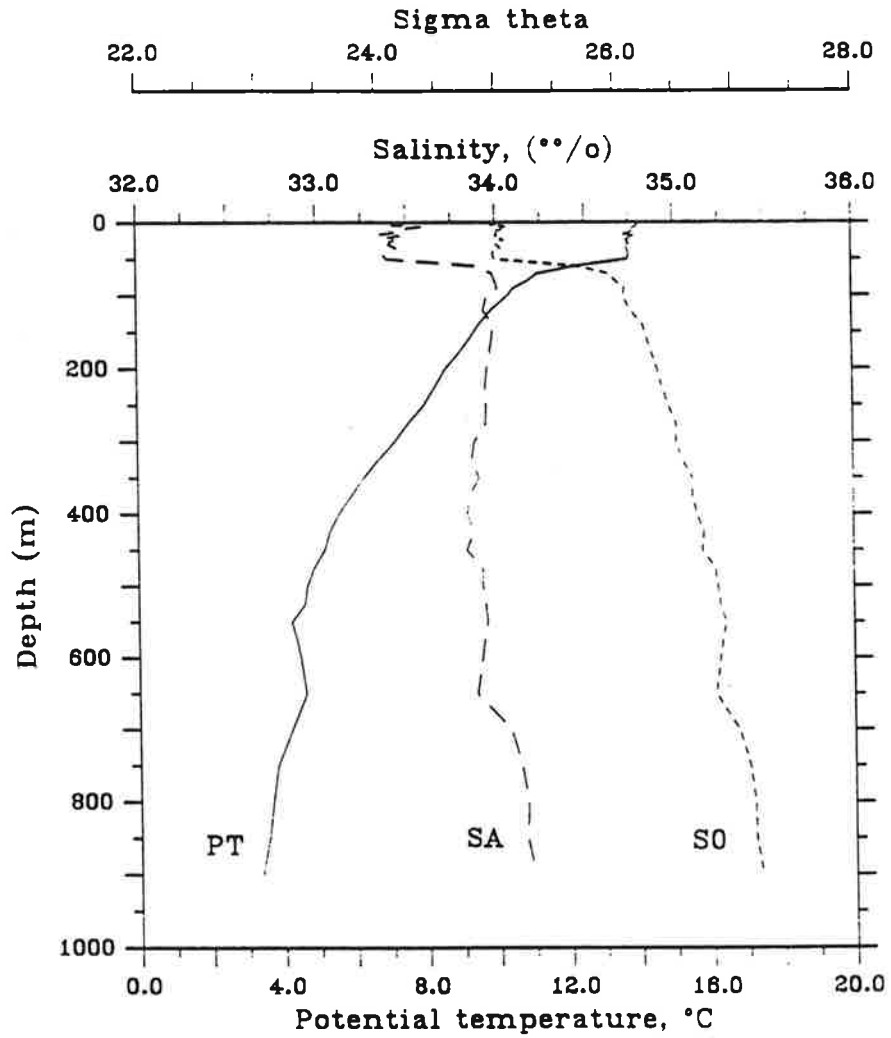
## STATION 123

LATITUDE: 42.0833 N LONGITUDE: 171.0000 W DATE: 30 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	14.037	33.492	14.037	25.015	25.015	29.433	25.015	1501.8	293.345	1.36	.00
2.0	2.0	14.037	33.492	14.037	25.015	25.015	29.433	25.024	1501.8	293.397	1.34	-27.87
4.0	4.0	14.031	33.426	14.030	24.965	24.966	29.383	24.983	1501.7	298.160	1.33	47.27
6.0	6.1	13.954	33.590	13.953	25.108	25.108	29.526	25.135	1501.7	284.660	1.33	-25.64
8.0	8.1	13.854	33.509	13.853	25.066	25.066	29.487	25.102	1501.3	288.697	1.32	-12.33
10.0	10.1	13.834	33.491	13.833	25.056	25.057	29.478	25.101	1501.2	289.670	1.32	-32.53
12.0	12.1	13.880	33.416	13.878	24.989	24.989	29.410	25.043	1501.2	296.141	1.31	23.09
14.0	14.1	13.801	33.439	13.799	25.023	25.023	29.445	25.086	1501.0	292.958	1.30	-17.48
16.0	16.2	13.603	33.361	13.601	25.003	25.004	29.429	25.075	1500.3	294.857	1.30	17.58
18.0	18.2	13.909	33.468	13.907	25.023	25.024	29.444	25.104	1501.4	293.043	1.29	-19.55
20.0	20.2	13.780	33.402	13.777	24.999	24.999	29.422	25.089	1500.9	295.407	1.29	22.69
22.0	22.2	13.793	33.448	13.790	25.031	25.032	29.454	25.130	1501.0	292.339	1.28	27.15
24.0	24.2	13.676	33.478	13.673	25.078	25.079	29.503	25.186	1500.7	287.917	1.27	-31.30
26.0	26.3	13.714	33.407	13.711	25.016	25.017	29.440	25.133	1500.7	293.908	1.27	-10.09
28.0	28.3	13.786	33.418	13.782	25.010	25.010	29.432	25.135	1501.0	294.579	1.26	3.42
30.0	30.3	13.731	33.404	13.727	25.010	25.011	29.434	25.145	1500.8	294.557	1.26	15.64
35.0	35.3	13.716	33.451	13.711	25.049	25.050	29.473	25.206	1500.8	290.979	1.25	-19.84
40.0	40.4	13.765	33.383	13.760	24.986	24.987	29.410	25.166	1500.9	297.073	1.23	-4.83
45.0	45.5	13.767	33.378	13.761	24.983	24.984	29.407	25.185	1500.9	297.555	1.22	10.93
50.0	50.5	13.733	33.394	13.726	25.002	25.003	29.426	25.226	1500.8	295.871	1.20	46.54
60.0	60.6	12.199	33.893	12.191	25.692	25.693	30.139	25.963	1496.3	230.390	1.19	28.58
70.0	70.7	11.177	33.983	11.168	25.952	25.954	30.417	26.269	1492.9	205.787	1.16	13.90
80.0	80.8	10.903	33.999	10.894	26.014	26.015	30.484	26.376	1491.9	200.127	1.14	15.74
90.0	90.9	10.516	34.012	10.505	26.093	26.094	30.570	26.501	1490.6	192.790	1.12	-7.48
100.0	101.0	10.349	33.952	10.337	26.075	26.077	30.556	26.529	1490.0	194.666	1.10	10.04
120.0	121.2	9.871	33.930	9.857	26.139	26.141	30.629	26.685	1488.3	188.884	1.08	12.71
140.0	141.4	9.520	33.988	9.505	26.242	26.244	30.739	26.879	1487.1	179.436	1.04	7.56
160.0	161.6	9.244	33.977	9.226	26.278	26.281	30.781	27.007	1486.1	176.293	1.00	7.77
180.0	181.9	8.938	33.963	8.918	26.316	26.320	30.826	27.138	1485.0	172.920	.97	8.20
200.0	202.1	8.588	33.948	8.567	26.359	26.362	30.876	27.273	1483.7	169.099	.93	6.84
225.0	227.4	8.292	33.938	8.269	26.396	26.400	30.920	27.425	1482.6	165.891	.90	7.95
250.0	252.6	7.976	33.942	7.951	26.447	26.450	30.977	27.591	1481.5	161.399	.85	9.05
275.0	277.9	7.520	33.940	7.493	26.512	26.515	31.051	27.772	1479.8	155.402	.81	1.06
300.0	303.2	7.143	33.874	7.115	26.512	26.516	31.060	27.889	1478.3	155.487	.77	7.87
325.0	328.5	6.689	33.858	6.660	26.561	26.565	31.120	28.056	1476.5	150.899	.73	10.37
350.0	353.8	6.277	33.898	6.247	26.647	26.651	31.214	28.259	1475.0	142.860	.69	1.30
375.0	379.1	5.925	33.843	5.893	26.648	26.652	31.223	28.377	1473.6	142.790	.66	6.44
400.0	404.3	5.579	33.831	5.547	26.681	26.684	31.264	28.528	1472.2	139.695	.62	8.47
425.0	429.6	5.325	33.864	5.291	26.737	26.742	31.327	28.702	1471.3	134.363	.58	-4.16
450.0	454.9	5.180	33.826	5.144	26.724	26.728	31.317	28.805	1470.7	135.798	.55	11.57
475.0	480.2	4.878	33.916	4.841	26.830	26.834	31.430	29.029	1469.6	125.706	.51	5.13
500.0	505.5	4.679	33.915	4.641	26.851	26.855	31.455	29.167	1468.8	123.768	.48	5.04
525.0	530.9	4.611	33.931	4.571	26.871	26.875	31.477	29.303	1468.6	122.031	.45	7.66
550.0	556.2	4.265	33.940	4.204	26.917	26.922	31.532	29.469	1467.2	117.434	.42	-5.96
575.0	581.5	4.380	33.922	4.337	26.889	26.894	31.501	29.555	1467.8	120.478	.39	-5.26
600.0	606.8	4.485	33.909	4.439	26.867	26.872	31.477	29.647	1468.2	122.904	.36	-5.00
650.0	657.4	4.629	33.879	4.580	26.828	26.833	31.435	29.835	1468.8	127.307	.33	11.04
700.0	708.1	4.219	34.067	4.167	27.021	27.027	31.637	30.264	1467.5	108.947	.26	7.40
750.0	758.7	3.823	34.125	3.769	27.108	27.114	31.733	30.587	1466.0	100.568	.20	4.99
800.0	809.4	3.684	34.157	3.628	27.147	27.153	31.776	30.859	1465.5	97.012	.15	2.15
850.0	860.1	3.569	34.152	3.509	27.154	27.160	31.786	31.099	1465.1	96.491	.10	5.71
900.0	910.8	3.368	34.192	3.306	27.206	27.212	31.843	31.384	1464.4	91.603	.00	8.58



STATION 123

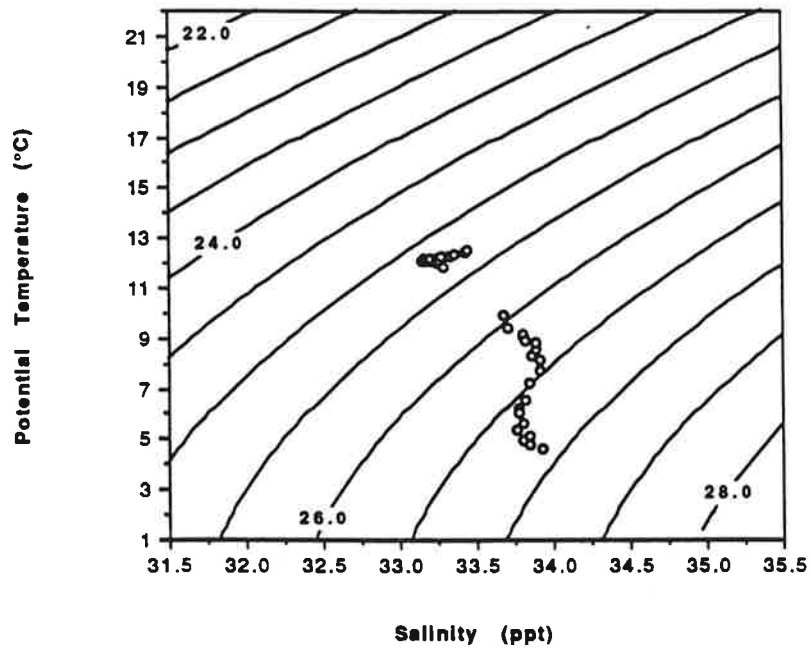
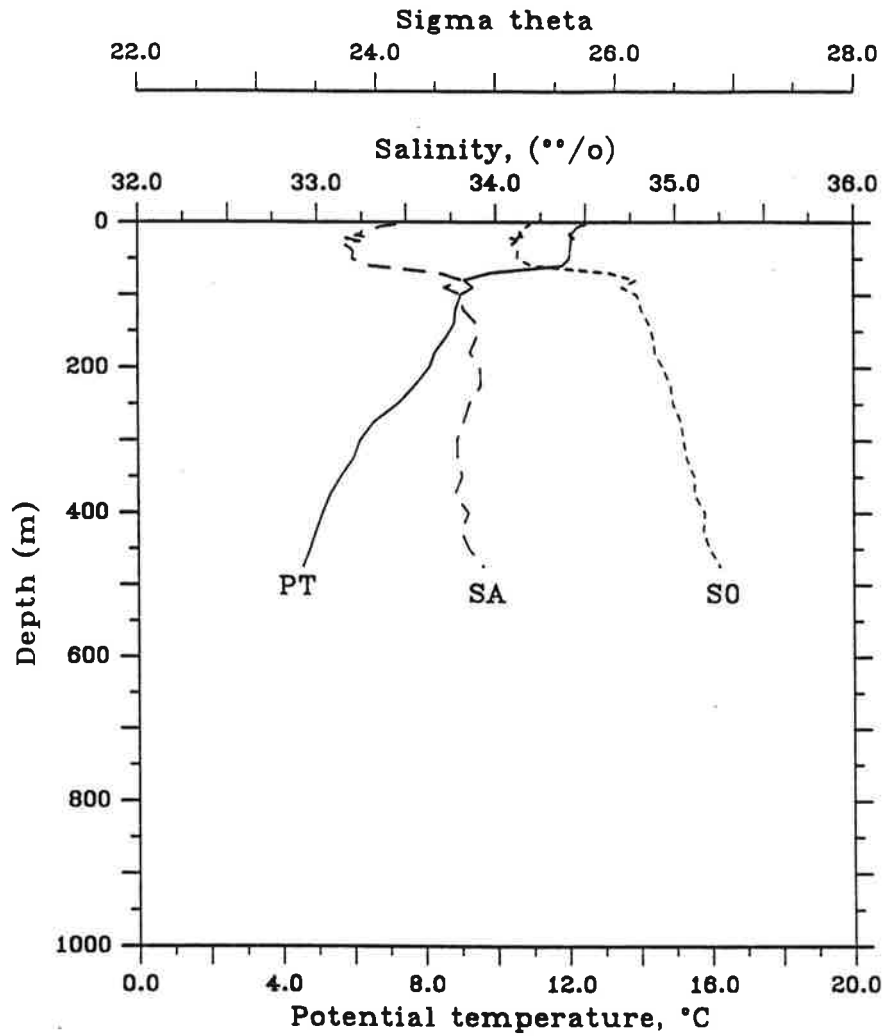


## STATION 124

LATITUDE: 42.3333 N LONGITUDE: 171.0000 W DATE: 30 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	12.536	33.447	12.536	25.282	25.282	29.725	25.282	1496.8	267.966	.85	.00
2.0	2.0	12.536	33.447	12.535	25.282	25.282	29.725	25.291	1496.8	268.013	.84	10.19
4.0	4.0	12.461	33.437	12.460	25.288	25.288	29.733	25.306	1496.5	267.431	.83	-22.13
6.0	6.1	12.325	33.363	12.324	25.257	25.257	29.704	25.284	1496.0	270.447	.83	-12.58
8.0	8.1	12.252	33.333	12.251	25.247	25.247	29.695	25.283	1495.7	271.453	.82	-23.05
10.0	10.1	12.220	33.281	12.219	25.213	25.213	29.663	25.258	1495.5	274.720	.81	-14.75
12.0	12.1	12.181	33.254	12.180	25.199	25.199	29.650	25.253	1495.4	276.085	.81	7.39
14.0	14.1	12.161	33.253	12.160	25.203	25.203	29.653	25.266	1495.3	275.800	.80	16.98
16.0	16.1	12.036	33.246	12.034	25.221	25.221	29.674	25.293	1494.9	274.095	.80	-26.67
18.0	18.2	12.142	33.214	12.140	25.176	25.176	29.627	25.257	1495.2	278.455	.79	29.28
20.0	20.2	12.063	33.265	12.061	25.230	25.231	29.683	25.321	1495.0	273.300	.79	-40.52
22.0	22.2	12.197	33.163	12.194	25.126	25.126	29.577	25.225	1495.3	283.306	.78	27.22
24.0	24.2	12.102	33.200	12.099	25.173	25.174	29.625	25.281	1495.1	278.857	.78	23.82
26.0	26.2	12.087	33.243	12.084	25.209	25.210	29.662	25.327	1495.1	275.462	.77	-28.72
28.0	28.2	12.099	33.178	12.095	25.156	25.157	29.609	25.283	1495.0	280.508	.76	-18.16
30.0	30.3	12.080	33.147	12.076	25.135	25.136	29.589	25.271	1494.9	282.553	.76	13.24
35.0	35.3	12.083	33.184	12.079	25.163	25.164	29.617	25.322	1495.0	280.013	.75	11.71
40.0	40.3	12.057	33.205	12.052	25.185	25.186	29.639	25.366	1494.9	278.048	.74	-5.83
45.0	45.4	12.061	33.199	12.056	25.180	25.181	29.634	25.383	1494.9	278.676	.72	2.95
50.0	50.4	12.048	33.198	12.041	25.181	25.182	29.635	25.407	1494.9	278.658	.71	18.88
60.0	60.5	11.848	33.296	11.840	25.295	25.296	29.752	25.566	1494.4	268.067	.70	45.11
70.0	70.6	9.875	33.680	9.867	25.943	25.944	30.434	26.262	1487.9	206.476	.67	26.71
80.0	80.7	9.113	33.812	9.104	26.170	26.172	30.676	26.535	1485.3	184.975	.64	-19.33
90.0	90.8	9.366	33.712	9.357	26.051	26.053	30.552	26.462	1486.1	196.501	.62	19.91
100.0	100.9	9.024	33.804	9.014	26.178	26.179	30.685	26.634	1485.0	184.636	.60	7.35
120.0	121.1	8.877	33.818	8.864	26.212	26.214	30.723	26.760	1484.5	181.708	.58	10.04
140.0	141.2	8.836	33.891	8.821	26.276	26.279	30.788	26.916	1484.5	175.970	.55	7.63
160.0	161.4	8.591	33.890	8.575	26.313	26.316	30.830	27.045	1483.6	172.744	.51	5.19
180.0	181.6	8.294	33.854	8.276	26.330	26.333	30.853	27.154	1482.4	171.367	.48	10.20
200.0	201.8	8.147	33.911	8.127	26.397	26.400	30.923	27.312	1482.0	165.369	.44	8.88
225.0	227.0	7.744	33.915	7.722	26.459	26.463	30.994	27.490	1480.5	159.665	.41	5.02
250.0	252.3	7.254	33.852	7.230	26.479	26.483	31.025	27.627	1478.6	157.928	.36	9.15
275.0	277.5	6.573	33.819	6.548	26.546	26.549	31.106	27.812	1476.0	151.619	.32	5.09
300.0	302.8	6.192	33.782	6.167	26.566	26.569	31.135	27.949	1474.5	149.778	.28	5.72
325.0	328.0	6.001	33.784	5.973	26.592	26.596	31.166	28.091	1473.7	147.502	.25	8.90
350.0	353.3	5.655	33.810	5.626	26.655	26.658	31.236	28.272	1472.4	141.603	.21	1.84
375.0	378.5	5.351	33.767	5.321	26.657	26.661	31.246	28.392	1471.2	141.401	.17	10.38
400.0	403.8	5.143	33.845	5.111	26.743	26.747	31.336	28.594	1470.5	133.403	.13	-4.00
425.0	429.0	4.961	33.802	4.928	26.730	26.734	31.328	28.698	1469.7	134.709	.10	8.22
450.0	454.3	4.789	33.845	4.755	26.784	26.788	31.385	28.869	1469.1	129.730	.07	10.46
475.0	479.6	4.584	33.927	4.549	26.871	26.875	31.477	29.073	1468.4	121.551	.00	11.08

STATION 124

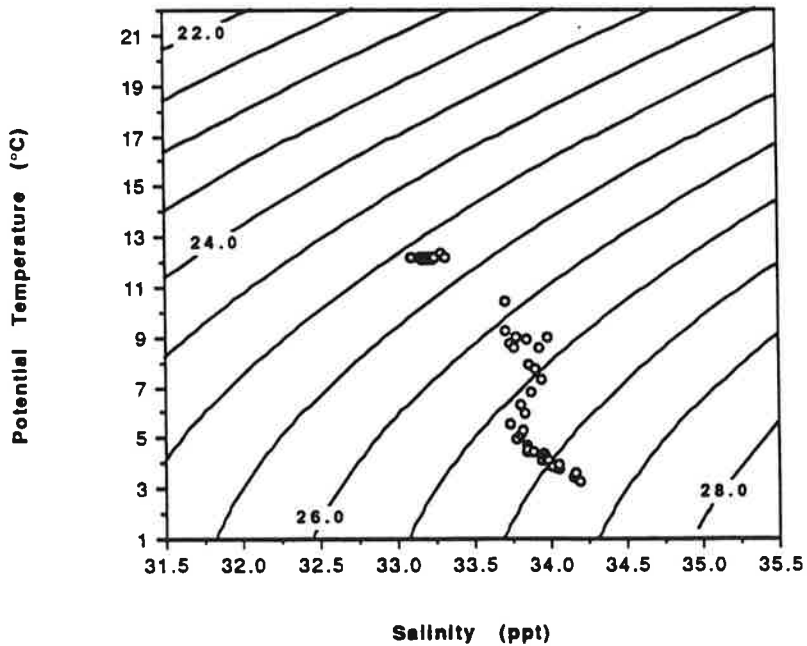
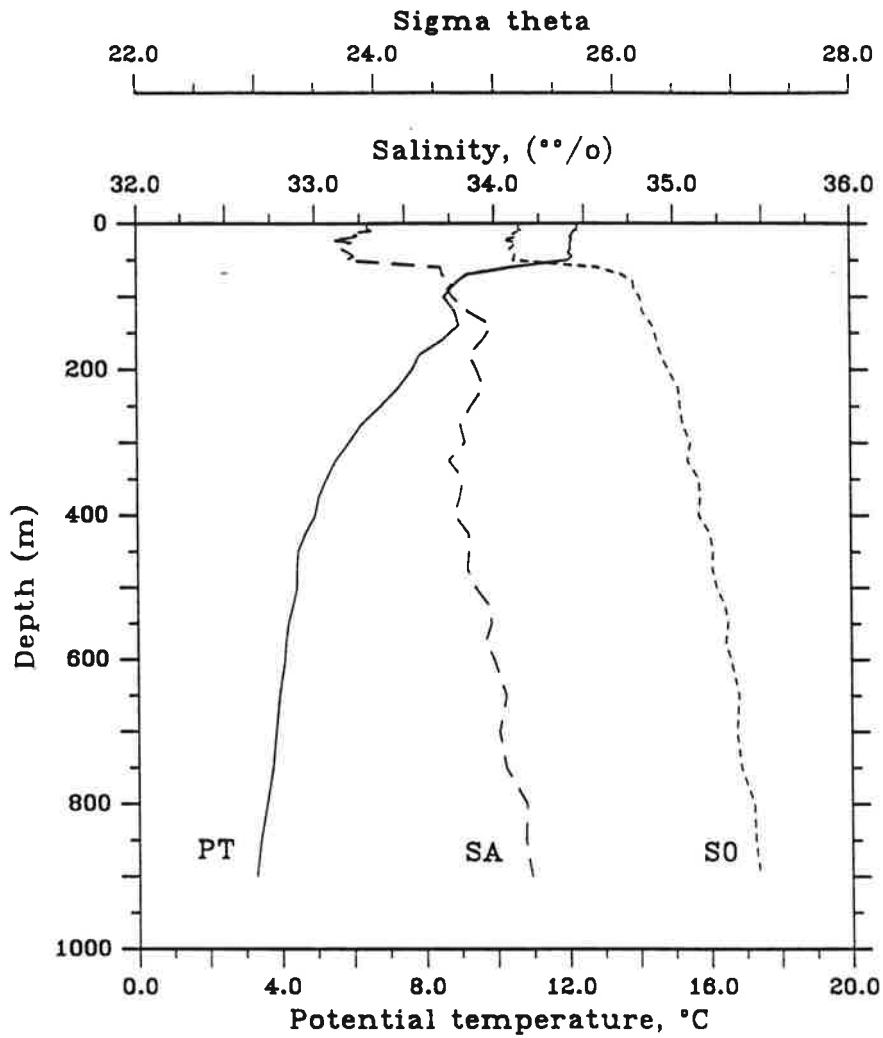


## STATION 125

LATITUDE: 42.5933 N LONGITUDE: 171.0139 W DATE: 30 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	12.314	33.296	12.314	25.206	25.206	29.654	25.206	1495.9	275.120	1.29	.00
2.0	2.0	12.314	33.296	12.314	25.206	25.206	29.654	25.215	1495.9	275.166	1.28	.28
4.0	4.0	12.314	33.296	12.314	25.206	25.207	29.654	25.225	1495.9	275.213	1.27	.28
6.0	6.1	12.314	33.296	12.313	25.206	25.207	29.654	25.234	1495.9	275.259	1.27	.28
8.0	8.1	12.314	33.296	12.313	25.206	25.207	29.654	25.243	1495.9	275.305	1.26	24.21
10.0	10.1	12.212	33.319	12.210	25.244	25.244	29.693	25.289	1495.5	271.797	1.25	-30.05
12.0	12.1	12.214	33.245	12.212	25.186	25.187	29.636	25.241	1495.5	277.317	1.25	-21.05
14.0	14.2	12.159	33.195	12.157	25.158	25.158	29.610	25.221	1495.2	280.047	1.24	22.68
16.0	16.2	12.168	33.240	12.166	25.191	25.191	29.642	25.263	1495.3	276.975	1.24	11.83
18.0	18.2	12.098	33.234	12.096	25.200	25.200	29.652	25.281	1495.1	276.172	1.23	-27.78
20.0	20.2	12.164	33.187	12.161	25.150	25.151	29.602	25.241	1495.2	280.899	1.23	-32.99
22.0	22.2	12.136	33.090	12.134	25.081	25.082	29.534	25.181	1495.0	287.540	1.22	26.35
24.0	24.3	12.150	33.151	12.147	25.125	25.126	29.577	25.234	1495.2	283.378	1.21	28.28
26.0	26.3	12.120	33.209	12.117	25.176	25.177	29.628	25.294	1495.1	278.576	1.21	-21.00
28.0	28.3	12.113	33.171	12.110	25.148	25.149	29.601	25.275	1495.1	281.294	1.20	16.96
30.0	30.3	12.118	33.196	12.114	25.167	25.167	29.619	25.302	1495.1	279.598	1.20	-15.16
35.0	35.4	12.131	33.152	12.127	25.130	25.131	29.583	25.288	1495.1	283.196	1.19	16.85
40.0	40.4	12.058	33.193	12.053	25.175	25.176	29.629	25.356	1494.9	279.005	1.18	-3.07
45.0	45.5	12.180	33.220	12.175	25.174	25.175	29.625	25.377	1495.4	279.270	1.16	-9.82
50.0	50.6	12.065	33.172	12.058	25.158	25.160	29.612	25.384	1494.9	280.837	1.15	47.04
60.0	60.7	10.443	33.702	10.436	25.863	25.864	30.343	26.136	1489.9	213.920	1.13	25.42
70.0	70.8	9.236	33.708	9.229	26.069	26.070	30.572	26.389	1485.6	194.418	1.11	17.32
80.0	80.9	8.950	33.772	8.942	26.165	26.166	30.674	26.530	1484.6	185.488	1.09	2.70
90.0	91.0	8.768	33.738	8.759	26.167	26.169	30.680	26.578	1483.9	185.420	1.07	12.39
100.0	101.1	8.589	33.765	8.578	26.216	26.218	30.732	26.673	1483.3	180.924	1.05	5.62
120.0	121.3	8.888	33.851	8.876	26.236	26.238	30.746	26.784	1484.6	179.431	1.03	11.65
140.0	141.6	9.013	33.986	8.998	26.323	26.325	30.830	26.961	1485.2	171.624	.99	7.33
160.0	161.8	8.536	33.935	8.520	26.357	26.359	30.874	27.088	1483.4	168.603	.96	7.65
180.0	182.0	7.900	33.861	7.883	26.394	26.396	30.925	27.219	1481.0	165.205	.92	9.66
200.0	202.3	7.703	33.900	7.684	26.453	26.456	30.988	27.370	1480.3	159.826	.89	10.41
225.0	227.6	7.309	33.938	7.288	26.540	26.542	31.083	27.572	1478.9	151.886	.86	4.01
250.0	252.9	6.820	33.868	6.798	26.552	26.555	31.106	27.702	1476.9	150.815	.82	5.41
275.0	278.2	6.280	33.807	6.256	26.575	26.578	31.142	27.843	1474.8	148.667	.78	9.04
300.0	303.5	5.926	33.833	5.901	26.640	26.643	31.215	28.025	1473.5	142.626	.74	-5.62
325.0	328.8	5.551	33.743	5.524	26.614	26.618	31.198	28.117	1471.9	145.058	.70	10.84
350.0	354.1	5.296	33.823	5.268	26.708	26.711	31.297	28.327	1471.0	136.314	.67	3.26
375.0	379.4	5.083	33.802	5.054	26.716	26.720	31.311	28.453	1470.2	135.621	.63	-3.85
400.0	404.7	4.981	33.772	4.950	26.704	26.708	31.302	28.557	1469.7	136.911	.60	10.85
425.0	430.0	4.700	33.851	4.668	26.798	26.801	31.401	28.768	1468.7	128.062	.56	5.49
450.0	455.3	4.492	33.852	4.458	26.822	26.825	31.430	28.910	1467.9	125.841	.53	-1.75
475.0	480.7	4.457	33.844	4.421	26.819	26.823	31.428	29.023	1467.8	126.265	.50	6.56
500.0	506.0	4.453	33.887	4.416	26.854	26.858	31.463	29.173	1467.9	123.254	.46	9.38
525.0	531.3	4.345	33.961	4.306	26.924	26.928	31.535	29.359	1467.6	116.768	.43	5.41
550.0	556.7	4.207	33.972	4.167	26.947	26.951	31.562	29.499	1467.1	114.632	.40	-4.88
575.0	582.0	4.142	33.939	4.100	26.928	26.932	31.545	29.596	1466.8	116.550	.37	7.32
600.0	607.3	4.102	33.988	4.059	26.970	26.975	31.588	29.755	1466.7	112.700	.34	6.49
650.0	658.0	3.952	34.052	3.905	27.037	27.042	31.659	30.054	1466.3	106.609	.31	-3.55
700.0	708.7	3.850	34.014	3.800	27.017	27.022	31.642	30.266	1465.9	108.745	.26	4.87
750.0	759.4	3.762	34.050	3.708	27.055	27.060	31.681	30.535	1465.6	105.445	.20	8.23
800.0	810.1	3.595	34.165	3.538	27.163	27.168	31.793	30.876	1465.2	95.434	.15	2.62
850.0	860.9	3.416	34.157	3.357	27.173	27.179	31.808	31.120	1464.5	94.450	.10	4.91
900.0	911.6	3.297	34.190	3.235	27.211	27.217	31.850	31.391	1464.1	90.966	.00	8.22

STATION 125

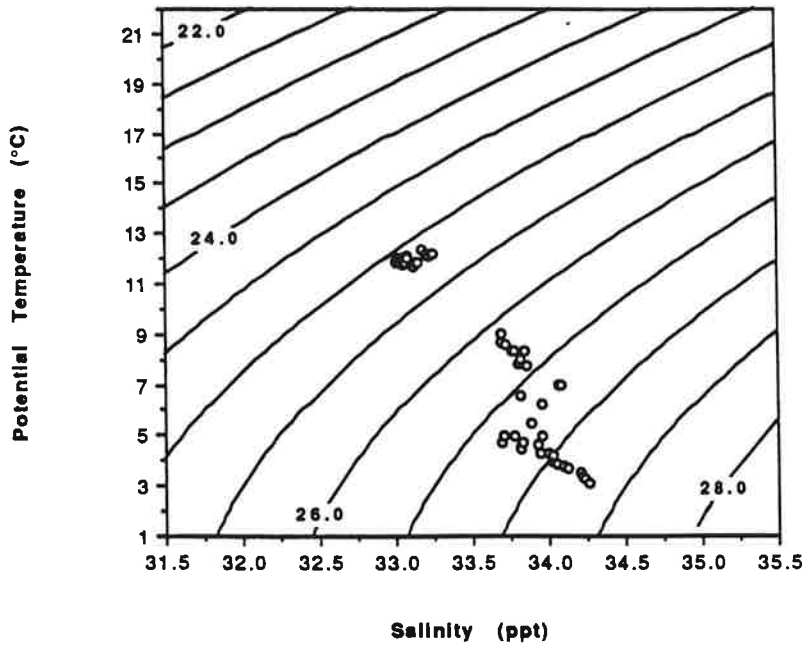
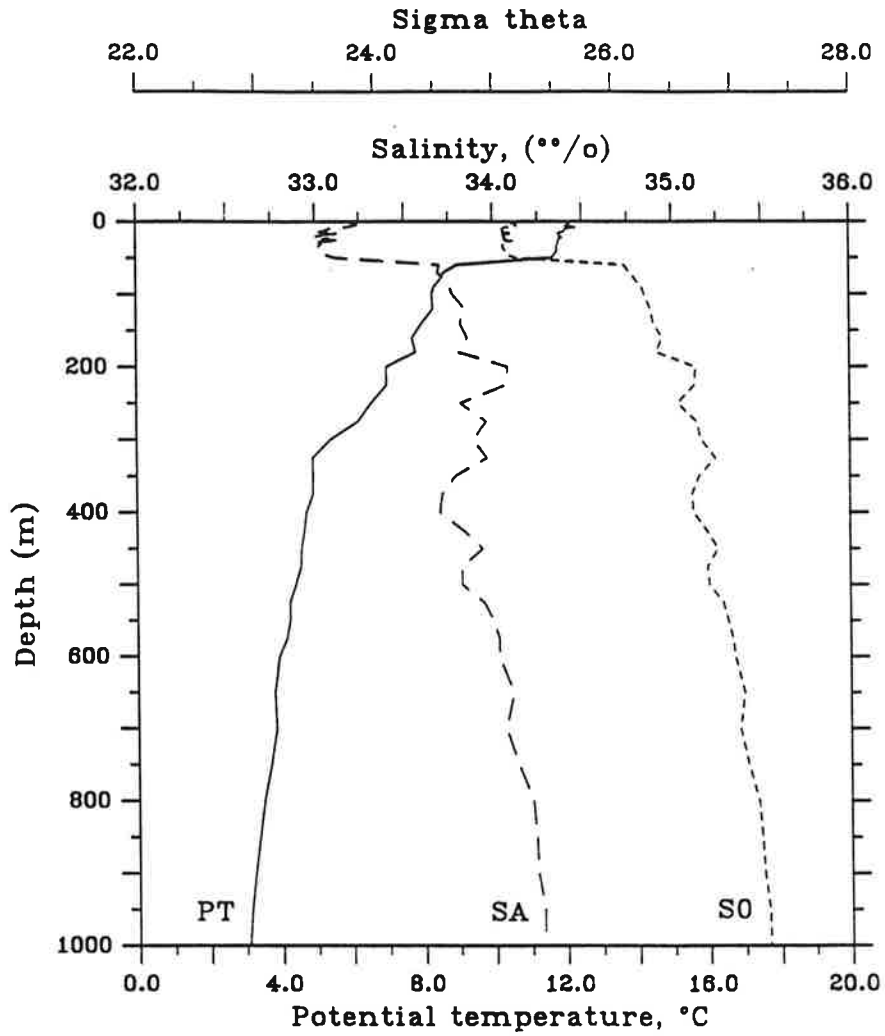


## STATION 126

LATITUDE: 42.9014 N LONGITUDE: 171.0089 W DATE: 30 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	12.178	33.208	12.178	25.164	25.164	29.615	25.164	1495.3	279.149	1.34	.00
2.0	2.0	12.178	33.208	12.178	25.164	25.164	29.615	25.173	1495.3	279.195	1.32	23.44
4.0	4.0	12.153	33.247	12.153	25.199	25.199	29.650	25.217	1495.3	275.909	1.32	9.42
6.0	6.0	12.048	33.228	12.047	25.205	25.205	29.657	25.232	1494.9	275.416	1.31	-38.14
8.0	8.1	12.340	33.180	12.339	25.112	25.112	29.560	25.148	1495.8	284.286	1.31	-20.60
10.0	10.1	12.072	33.080	12.071	25.085	25.085	29.538	25.130	1494.8	286.902	1.30	-10.02
12.0	12.1	12.034	33.063	12.033	25.079	25.079	29.533	25.133	1494.6	287.555	1.29	-18.56
14.0	14.1	12.001	33.026	12.000	25.057	25.057	29.512	25.120	1494.5	289.689	1.29	43.42
16.0	16.1	11.846	33.144	11.844	25.177	25.177	29.634	25.249	1494.1	278.302	1.28	-32.09
18.0	18.1	11.874	33.066	11.872	25.111	25.112	29.569	25.193	1494.1	284.589	1.28	-26.32
20.0	20.1	11.881	33.011	11.878	25.067	25.067	29.524	25.158	1494.1	288.833	1.27	26.10
22.0	22.1	11.966	33.087	11.963	25.111	25.111	29.566	25.210	1494.4	284.753	1.26	-14.92
24.0	24.2	11.863	33.044	11.860	25.096	25.097	29.554	25.205	1494.0	286.143	1.26	36.30
26.0	26.2	11.865	33.153	11.862	25.180	25.181	29.637	25.298	1494.2	278.200	1.25	-38.86
28.0	28.2	11.855	33.026	11.851	25.084	25.085	29.542	25.211	1494.0	287.399	1.25	15.83
30.0	30.2	11.842	33.044	11.838	25.100	25.101	29.558	25.236	1494.0	285.924	1.24	-8.73
35.0	35.2	11.800	33.018	11.795	25.088	25.089	29.547	25.246	1493.8	287.188	1.24	11.21
40.0	40.3	11.817	33.048	11.812	25.108	25.109	29.567	25.289	1493.9	285.396	1.22	8.81
45.0	45.3	11.755	33.049	11.749	25.120	25.121	29.580	25.324	1493.7	284.328	1.21	21.47
50.0	50.3	11.659	33.121	11.653	25.194	25.195	29.655	25.420	1493.5	277.449	1.19	53.32
60.0	60.4	9.014	33.701	9.008	26.099	26.100	30.607	26.373	1484.7	191.353	1.18	12.37
70.0	70.5	8.641	33.689	8.634	26.148	26.149	30.663	26.468	1483.4	186.855	1.15	12.41
80.0	80.5	8.526	33.729	8.518	26.197	26.198	30.715	26.563	1483.0	182.354	1.13	12.61
90.0	90.6	8.347	33.759	8.338	26.248	26.249	30.769	26.660	1482.4	177.686	1.12	7.99
100.0	100.7	8.285	33.773	8.275	26.268	26.270	30.790	26.726	1482.2	175.918	1.10	8.96
120.0	120.8	8.315	33.844	8.303	26.319	26.321	30.841	26.869	1482.4	171.408	1.08	6.27
140.0	141.0	8.000	33.816	7.986	26.344	26.346	30.873	26.986	1481.2	169.288	1.04	10.66
160.0	161.1	7.723	33.857	7.708	26.417	26.419	30.951	27.150	1480.3	162.667	1.01	-8.88
180.0	181.3	7.811	33.809	7.794	26.366	26.369	30.899	27.191	1480.6	167.783	.97	22.72
200.0	201.4	6.997	34.081	6.979	26.696	26.698	31.244	27.615	1477.8	136.623	.94	-3.30
225.0	226.6	7.002	34.071	6.981	26.687	26.690	31.236	27.721	1477.9	137.818	.91	-13.35
250.0	251.8	6.571	33.817	6.549	26.544	26.547	31.104	27.695	1475.9	151.408	.88	14.08
275.0	277.0	6.212	33.958	6.188	26.702	26.705	31.269	27.970	1474.7	136.620	.84	7.24
300.0	302.2	5.416	33.885	5.392	26.743	26.746	31.329	28.131	1471.5	132.510	.80	12.23
325.0	327.4	4.906	33.961	4.881	26.862	26.865	31.459	28.369	1469.6	121.194	.77	-13.33
350.0	352.6	4.918	33.784	4.891	26.721	26.723	31.319	28.343	1469.4	134.819	.73	-8.59
375.0	377.8	4.912	33.709	4.883	26.662	26.665	31.261	28.400	1469.3	140.609	.70	3.64
400.0	403.0	4.722	33.695	4.692	26.672	26.675	31.276	28.527	1468.6	139.699	.67	11.90
425.0	428.2	4.662	33.829	4.630	26.785	26.788	31.389	28.756	1468.5	129.248	.63	10.81
450.0	453.4	4.575	33.935	4.541	26.878	26.882	31.484	28.965	1468.4	120.629	.60	-10.55
475.0	478.6	4.557	33.820	4.522	26.789	26.793	31.397	28.992	1468.2	129.205	.57	4.48
500.0	503.9	4.413	33.820	4.376	26.805	26.809	31.416	29.125	1467.6	127.773	.53	11.99
525.0	529.1	4.245	33.942	4.207	26.920	26.924	31.534	29.356	1467.1	117.029	.50	7.14
550.0	554.3	4.244	33.993	4.203	26.960	26.964	31.574	29.512	1467.2	113.426	.47	6.68
575.0	579.5	4.150	34.026	4.109	26.996	27.000	31.612	29.664	1466.9	110.189	.44	5.13
600.0	604.8	3.941	34.025	3.898	27.016	27.021	31.638	29.803	1466.1	108.162	.41	6.92
650.0	655.2	3.809	34.104	3.763	27.093	27.097	31.717	30.111	1465.7	101.221	.38	-4.89
700.0	705.7	3.846	34.060	3.796	27.054	27.059	31.678	30.303	1465.9	105.252	.33	6.58
750.0	756.2	3.692	34.127	3.639	27.123	27.128	31.751	30.604	1465.4	98.927	.28	7.24
800.0	806.7	3.496	34.208	3.440	27.206	27.212	31.839	30.921	1464.8	91.135	.23	4.03
850.0	857.2	3.372	34.225	3.313	27.232	27.238	31.868	31.180	1464.4	88.845	.18	3.40
900.0	907.8	3.248	34.234	3.186	27.250	27.256	31.889	31.431	1463.9	87.224	.13	4.90
950.0	958.3	3.138	34.269	3.073	27.289	27.295	31.930	31.701	1463.6	83.750	.09	1.64
1000.0	1008.8	3.075	34.266	3.007	27.293	27.299	31.936	31.936	1463.4	83.535	.00	8.10

STATION 126



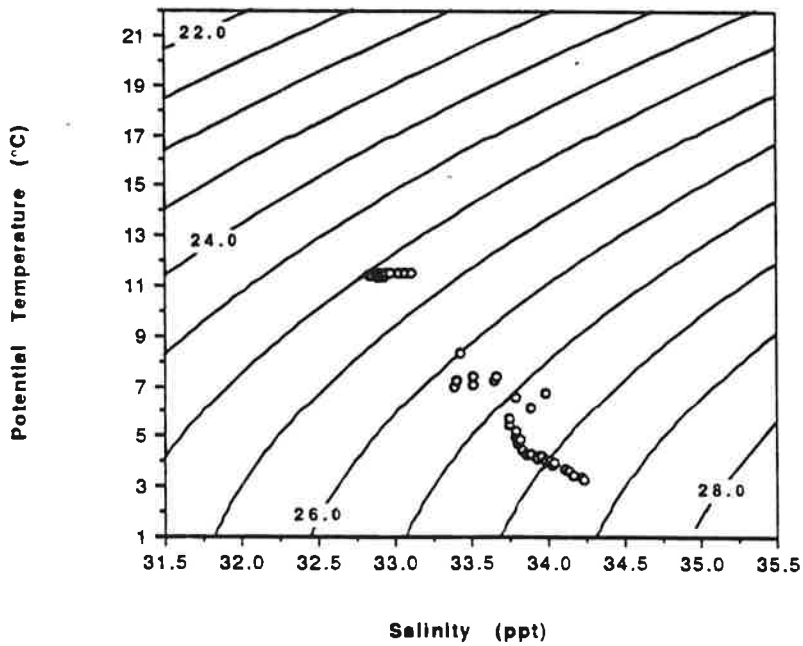
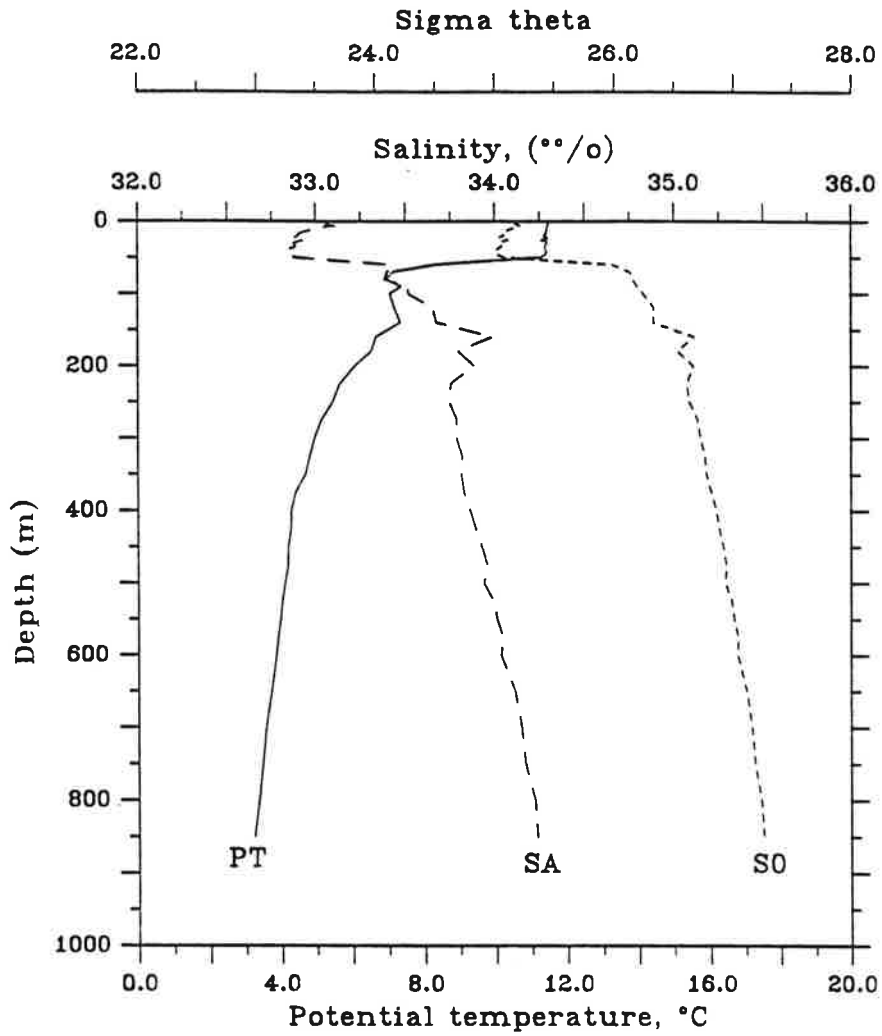
## STATION 130

LATITUDE: 43.6667 N LONGITUDE: 170.9561 W DATE: 31 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIGO	SIG1	SIGZ	SOUND	AVOL	DYNH	BVAI
.0	.0	11.516	33.063	11.516	25.175	25.175	29.638	25.175	1492.8	278.133	1.17	.00
2.0	2.0	11.516	33.063	11.516	25.175	25.175	29.638	25.184	1492.8	278.176	1.16	.26
4.0	4.0	11.516	33.063	11.516	25.175	25.175	29.638	25.193	1492.8	278.219	1.15	25.93
6.0	6.1	11.490	33.112	11.489	25.218	25.218	29.681	25.245	1492.8	274.187	1.15	-29.50
8.0	8.1	11.463	33.034	11.462	25.162	25.162	29.627	25.198	1492.6	279.507	1.14	-13.15
10.0	10.1	11.470	33.021	11.469	25.151	25.151	29.616	25.197	1492.6	280.599	1.14	-23.97
12.0	12.1	11.477	32.976	11.476	25.115	25.115	29.580	25.169	1492.6	284.125	1.13	-16.21
14.0	14.1	11.432	32.944	11.430	25.098	25.098	29.564	25.161	1492.4	285.760	1.12	-18.32
16.0	16.2	11.458	32.923	11.456	25.076	25.077	29.542	25.149	1492.5	287.839	1.12	-16.03
18.0	18.2	11.455	32.901	11.453	25.060	25.060	29.526	25.142	1492.5	289.440	1.11	18.72
20.0	20.2	11.370	32.910	11.367	25.082	25.083	29.550	25.173	1492.2	287.354	1.11	-24.60
22.0	22.2	11.468	32.883	11.465	25.044	25.044	29.510	25.144	1492.5	291.070	1.10	26.30
24.0	24.2	11.500	32.947	11.497	25.088	25.088	29.553	25.197	1492.7	286.920	1.10	19.60
26.0	26.3	11.319	32.936	11.316	25.112	25.113	29.581	25.230	1492.0	284.628	1.09	-28.67
28.0	28.3	11.469	32.904	11.466	25.060	25.060	29.526	25.187	1492.5	289.660	1.08	-19.47
30.0	30.3	11.482	32.876	11.478	25.036	25.037	29.502	25.172	1492.5	292.002	1.08	12.67
35.0	35.4	11.406	32.891	11.401	25.061	25.062	29.528	25.220	1492.3	289.672	1.07	-18.00
40.0	40.4	11.442	32.833	11.438	25.010	25.011	29.477	25.191	1492.4	294.694	1.06	5.60
45.0	45.5	11.454	32.842	11.449	25.015	25.016	29.482	25.219	1492.4	294.325	1.04	20.76
50.0	50.5	11.302	32.895	11.295	25.083	25.084	29.553	25.310	1492.0	287.889	1.03	53.30
60.0	60.6	8.350	33.429	8.344	25.988	25.989	30.511	26.263	1481.9	201.790	1.01	21.34
70.0	70.7	7.182	33.399	7.175	26.133	26.134	30.681	26.455	1477.5	188.023	.99	7.46
80.0	80.8	6.969	33.385	6.962	26.151	26.152	30.703	26.520	1476.6	186.449	.97	11.52
90.0	90.9	7.395	33.513	7.387	26.194	26.195	30.736	26.607	1478.5	182.652	.95	12.34
100.0	101.0	7.072	33.518	7.063	26.242	26.243	30.791	26.702	1477.2	178.133	.93	11.78
120.0	121.3	7.201	33.653	7.190	26.331	26.332	30.876	26.882	1477.9	170.055	.91	-3.52
140.0	141.5	7.369	33.673	7.356	26.323	26.324	30.865	26.966	1478.6	171.147	.88	23.24
160.0	161.7	6.684	33.991	6.669	26.667	26.669	31.222	27.404	1476.4	138.613	.84	-14.59
180.0	181.9	6.553	33.797	6.537	26.531	26.533	31.091	27.361	1475.7	151.695	.81	14.23
200.0	202.1	6.105	33.887	6.088	26.660	26.662	31.229	27.583	1474.1	139.569	.78	-8.02
225.0	227.4	5.676	33.754	5.657	26.608	26.611	31.188	27.649	1472.2	144.543	.75	4.54
250.0	252.7	5.477	33.745	5.457	26.625	26.627	31.209	27.782	1471.5	143.180	.71	9.36
275.0	277.9	5.161	33.786	5.140	26.694	26.697	31.286	27.969	1470.3	136.677	.68	5.21
300.0	303.2	4.969	33.785	4.945	26.716	26.719	31.312	28.107	1469.5	134.777	.64	7.11
325.0	328.5	4.830	33.816	4.805	26.756	26.759	31.356	28.264	1469.1	131.136	.61	3.63
350.0	353.8	4.708	33.813	4.682	26.767	26.770	31.369	28.391	1468.6	130.301	.57	7.28
375.0	379.1	4.424	33.826	4.396	26.809	26.812	31.418	28.551	1467.5	126.331	.54	7.29
400.0	404.4	4.296	33.863	4.267	26.851	26.854	31.463	28.709	1467.0	122.453	.51	5.56
425.0	429.7	4.288	33.893	4.257	26.875	26.879	31.488	28.850	1467.1	120.343	.47	6.70
450.0	455.0	4.202	33.926	4.170	26.911	26.915	31.526	29.002	1466.8	117.109	.44	5.44
475.0	480.3	4.198	33.955	4.164	26.935	26.938	31.550	29.141	1466.9	115.102	.41	-2.75
500.0	505.6	4.116	33.937	4.080	26.929	26.932	31.546	29.251	1466.6	115.799	.38	8.03
525.0	530.9	4.032	33.991	3.994	26.980	26.984	31.599	29.419	1466.3	111.084	.35	4.92
550.0	556.3	3.983	34.008	3.943	26.999	27.003	31.619	29.554	1466.2	109.421	.33	6.38
575.0	581.6	3.911	34.040	3.870	27.031	27.036	31.653	29.703	1465.9	106.491	.30	-1.78
600.0	606.9	3.859	34.030	3.816	27.029	27.033	31.652	29.816	1465.8	106.863	.27	6.84
650.0	657.5	3.724	34.106	3.678	27.103	27.108	31.730	30.123	1465.4	100.076	.24	5.25
700.0	708.2	3.570	34.142	3.521	27.147	27.152	31.777	30.400	1464.9	96.107	.19	4.05
750.0	758.9	3.476	34.164	3.424	27.173	27.178	31.806	30.658	1464.6	93.869	.14	5.85
800.0	809.6	3.364	34.218	3.309	27.227	27.233	31.863	30.944	1464.2	88.932	.09	3.74
850.0	860.2	3.232	34.230	3.174	27.249	27.255	31.888	31.199	1463.8	86.951	.00	8.78



STATION 130

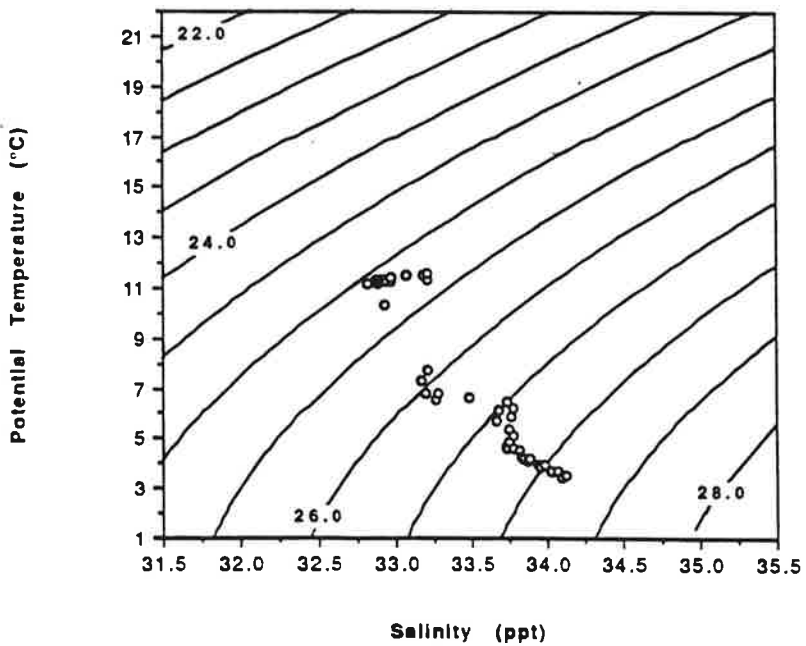
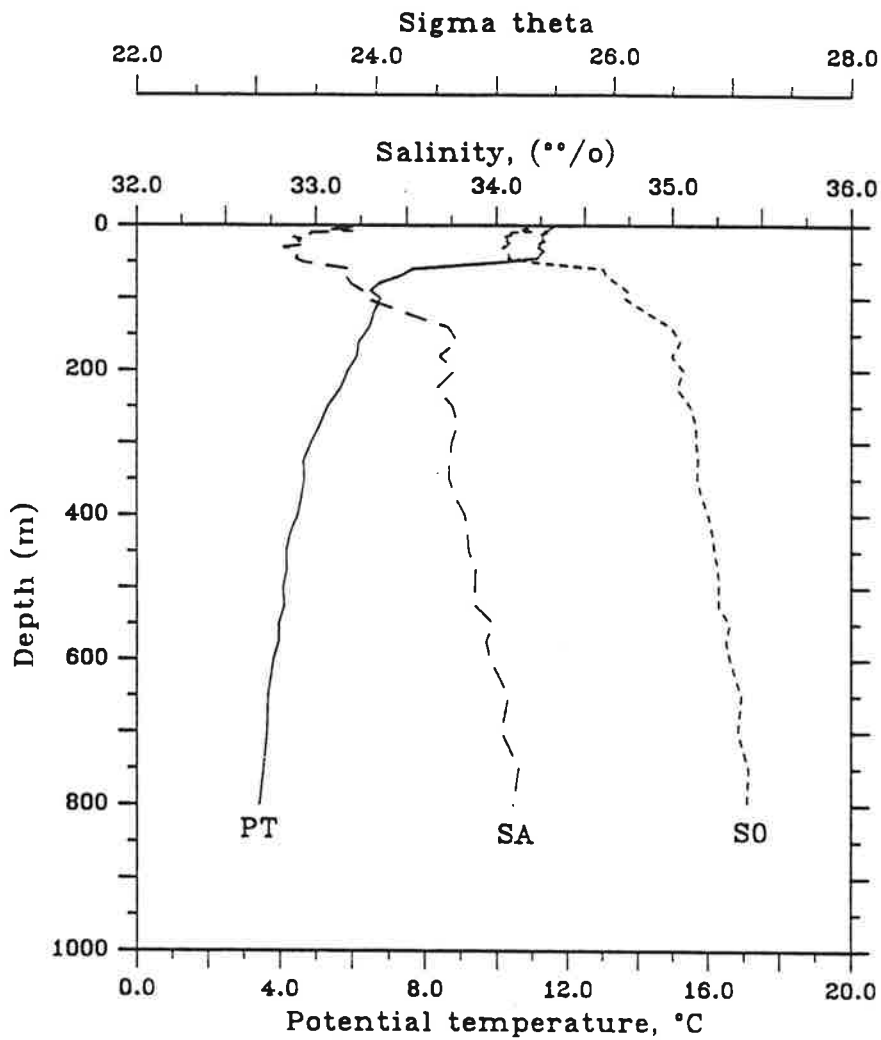


## STATION 131

LATITUDE: 43.9167 N LONGITUDE: 171.0000 W DATE: 31 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	11.606	33.208	11.606	25.271	25.271	29.732	25.271	1493.3	268.947	1.16	.00
2.0	2.0	11.606	33.208	11.606	25.271	25.271	29.732	25.281	1493.3	268.991	1.15	-5.59
4.0	4.0	11.515	33.184	11.514	25.269	25.269	29.732	25.287	1493.0	269.224	1.14	-35.10
6.0	6.1	11.486	33.076	11.485	25.191	25.191	29.655	25.218	1492.8	276.738	1.14	44.78
8.0	8.1	11.344	33.208	11.343	25.319	25.319	29.784	25.355	1492.4	264.622	1.13	-56.50
10.0	10.1	11.456	32.972	11.454	25.115	25.115	29.580	25.160	1492.5	284.021	1.13	23.51
12.0	12.1	11.260	32.972	11.259	25.150	25.151	29.619	25.205	1491.8	280.710	1.12	-25.26
14.0	14.1	11.294	32.927	11.292	25.110	25.110	29.578	25.173	1491.9	284.621	1.11	-27.04
16.0	16.1	11.321	32.874	11.319	25.063	25.063	29.531	25.136	1492.0	289.098	1.11	24.64
18.0	18.2	11.311	32.921	11.309	25.102	25.102	29.570	25.183	1492.0	285.460	1.10	-15.98
20.0	20.2	11.288	32.895	11.285	25.086	25.086	29.555	25.176	1491.9	287.050	1.10	4.29
22.0	22.2	11.367	32.915	11.364	25.087	25.087	29.554	25.186	1492.2	286.984	1.09	12.64
24.0	24.2	11.212	32.892	11.209	25.097	25.097	29.567	25.206	1491.6	286.052	1.08	23.49
26.0	26.2	11.216	32.938	11.213	25.132	25.133	29.602	25.250	1491.7	282.750	1.08	-25.60
28.0	28.2	11.238	32.889	11.234	25.090	25.091	29.560	25.217	1491.7	286.766	1.07	-25.13
30.0	30.3	11.169	32.822	11.165	25.050	25.051	29.522	25.186	1491.4	290.632	1.07	13.56
35.0	35.3	11.346	32.900	11.342	25.079	25.080	29.547	25.238	1492.1	287.961	1.06	12.59
40.0	40.4	11.213	32.902	11.208	25.105	25.105	29.575	25.286	1491.6	285.656	1.05	-6.65
45.0	45.4	11.181	32.886	11.176	25.097	25.098	29.569	25.302	1491.5	286.429	1.03	34.25
50.0	50.4	10.304	32.929	10.298	25.284	25.285	29.772	25.512	1488.5	268.691	1.02	44.26
60.0	60.5	7.683	33.202	7.677	25.908	25.909	30.446	26.184	1479.1	209.288	1.00	9.08
70.0	70.6	7.311	33.169	7.304	25.935	25.935	30.481	26.257	1477.7	206.891	.98	17.34
80.0	80.7	6.759	33.196	6.751	26.030	26.031	30.588	26.399	1475.6	197.850	.96	16.10
90.0	90.8	6.517	33.261	6.509	26.113	26.114	30.676	26.528	1474.7	190.104	.94	-8.96
100.0	100.9	6.797	33.275	6.788	26.087	26.089	30.644	26.549	1475.9	192.718	.92	17.41
120.0	121.1	6.609	33.489	6.599	26.281	26.282	30.840	26.834	1475.4	174.612	.90	18.00
140.0	141.3	6.492	33.731	6.480	26.487	26.489	31.048	27.133	1475.3	155.271	.86	11.07
160.0	161.5	6.199	33.782	6.186	26.565	26.567	31.133	27.304	1474.3	148.047	.83	-10.53
180.0	181.6	6.143	33.684	6.128	26.495	26.497	31.064	27.326	1473.9	154.973	.80	12.31
200.0	201.8	5.900	33.768	5.883	26.591	26.594	31.166	27.516	1473.1	145.973	.76	-8.19
225.0	227.1	5.693	33.668	5.675	26.538	26.540	31.118	27.579	1472.2	151.234	.73	11.90
250.0	252.3	5.335	33.756	5.315	26.650	26.653	31.238	27.808	1470.9	140.671	.70	7.62
275.0	277.6	5.124	33.783	5.102	26.697	26.699	31.289	27.971	1470.1	136.454	.66	2.15
300.0	302.8	4.868	33.751	4.845	26.700	26.703	31.299	28.092	1469.1	136.207	.62	4.23
325.0	328.1	4.653	33.739	4.629	26.714	26.717	31.318	28.223	1468.2	134.960	.59	-2.50
350.0	353.3	4.670	33.735	4.644	26.709	26.712	31.313	28.334	1468.3	135.679	.55	6.85
375.0	378.6	4.590	33.771	4.562	26.747	26.750	31.352	28.487	1468.1	132.322	.52	8.19
400.0	403.8	4.488	33.824	4.458	26.800	26.803	31.408	28.657	1467.8	127.421	.49	6.32
425.0	429.1	4.286	33.837	4.255	26.832	26.835	31.445	28.806	1467.0	124.462	.45	4.89
450.0	454.4	4.175	33.846	4.142	26.851	26.854	31.466	28.942	1466.6	122.779	.42	5.97
475.0	479.7	4.192	33.884	4.158	26.879	26.883	31.494	29.086	1466.8	120.331	.39	3.01
500.0	504.9	4.091	33.880	4.055	26.886	26.890	31.504	29.209	1466.4	119.757	.36	-1.76
525.0	530.2	4.119	33.881	4.081	26.884	26.888	31.501	29.322	1466.5	120.229	.33	10.85
550.0	555.5	3.973	33.980	3.934	26.977	26.981	31.598	29.533	1466.1	111.446	.30	-6.24
575.0	580.8	3.971	33.940	3.930	26.946	26.950	31.567	29.617	1466.1	114.565	.27	6.44
600.0	606.0	3.825	33.963	3.783	26.979	26.983	31.604	29.767	1465.5	111.469	.24	7.75
650.0	656.6	3.676	34.065	3.631	27.075	27.079	31.703	30.096	1465.1	102.655	.21	-4.21
700.0	707.2	3.647	34.026	3.598	27.046	27.051	31.676	30.299	1465.0	105.644	.16	7.39
750.0	757.8	3.551	34.123	3.499	27.133	27.139	31.765	30.618	1464.8	97.690	.10	-2.99
800.0	808.4	3.434	34.091	3.379	27.119	27.124	31.754	30.836	1464.4	99.184	.00	8.74

STATION 131

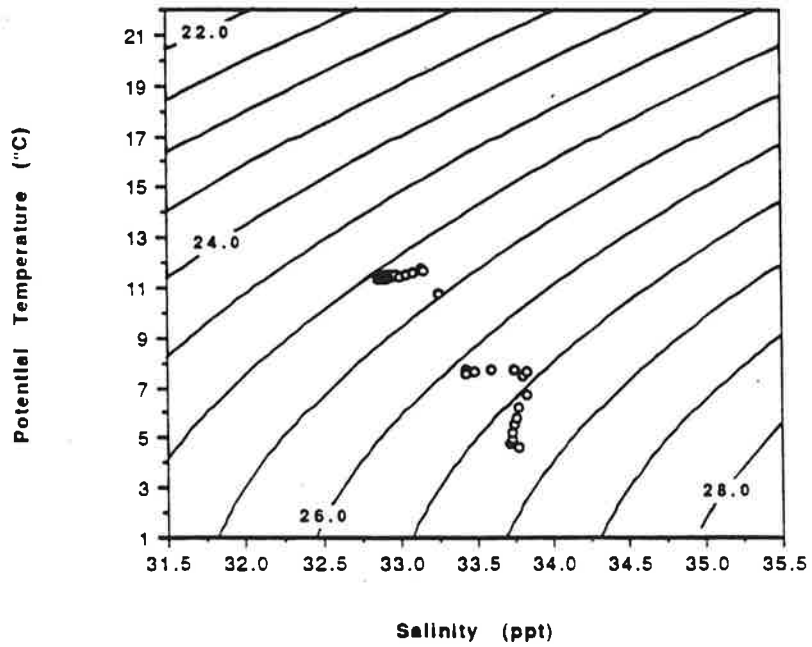
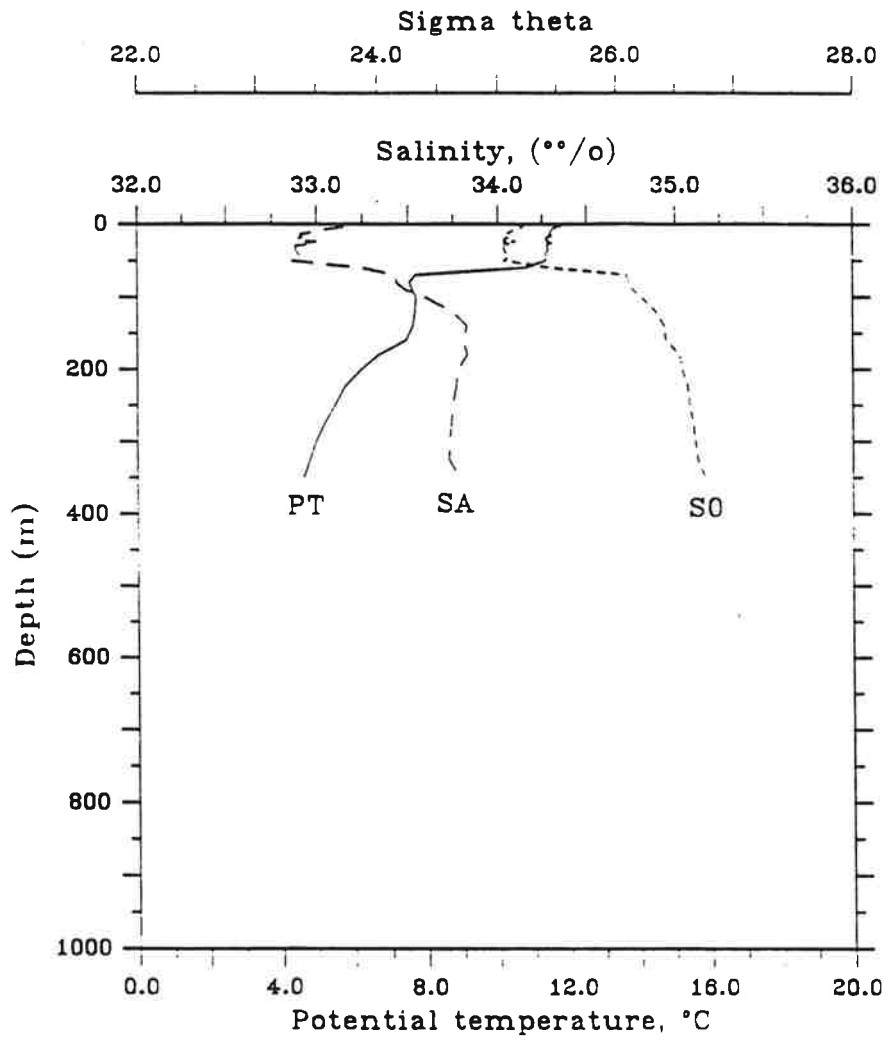


## STATION 132

LATITUDE: 44.1667 N LONGITUDE: 171.0000 W DATE: 31 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	11.786	33.139	11.786	25.184	25.184	29.642	25.184	1493.9	277.245	.64	.00
2.0	2.0	11.786	33.139	11.786	25.184	25.184	29.642	25.193	1493.9	277.289	.64	22.08
4.0	4.0	11.670	33.151	11.669	25.215	25.215	29.675	25.233	1493.5	274.377	.63	-21.34
6.0	6.0	11.560	33.088	11.559	25.186	25.186	29.649	25.213	1493.0	277.180	.62	-22.01
8.0	8.1	11.533	33.042	11.532	25.155	25.156	29.618	25.192	1492.9	280.160	.62	-26.43
10.0	10.1	11.510	32.979	11.508	25.111	25.111	29.575	25.156	1492.7	284.440	.61	-10.95
12.0	12.1	11.468	32.959	11.466	25.103	25.103	29.568	25.157	1492.6	285.209	.61	-24.59
14.0	14.1	11.448	32.905	11.446	25.065	25.065	29.531	25.128	1492.4	288.917	.60	-3.44
16.0	16.1	11.535	32.924	11.533	25.064	25.064	29.528	25.136	1492.8	289.034	.60	19.94
18.0	18.1	11.392	32.924	11.389	25.089	25.090	29.556	25.171	1492.3	286.663	.59	-19.16
20.0	20.1	11.353	32.884	11.350	25.066	25.066	29.534	25.156	1492.1	288.931	.58	-15.52
22.0	22.2	11.428	32.882	11.425	25.050	25.051	29.517	25.150	1492.3	290.437	.58	39.72
24.0	24.2	11.383	33.001	11.380	25.151	25.152	29.617	25.260	1492.3	280.912	.57	-40.02
26.0	26.2	11.524	32.903	11.521	25.049	25.050	29.514	25.167	1492.7	290.670	.57	29.69
28.0	28.2	11.393	32.944	11.389	25.105	25.106	29.572	25.232	1492.3	285.364	.56	-27.85
30.0	30.2	11.397	32.882	11.394	25.056	25.056	29.523	25.192	1492.2	290.107	.55	-5.29
35.0	35.3	11.429	32.883	11.424	25.051	25.052	29.518	25.210	1492.4	290.639	.55	11.38
40.0	40.3	11.366	32.895	11.361	25.072	25.073	29.540	25.253	1492.2	288.780	.53	12.23
45.0	45.3	11.352	32.923	11.346	25.096	25.097	29.564	25.300	1492.2	286.620	.52	-17.36
50.0	50.4	11.366	32.864	11.360	25.048	25.049	29.516	25.274	1492.2	291.293	.50	35.90
60.0	60.4	10.774	33.257	10.767	25.458	25.459	29.935	25.731	1490.6	252.407	.49	44.34
70.0	70.5	7.707	33.431	7.701	26.084	26.085	30.620	26.406	1479.5	192.741	.46	9.04
80.0	80.6	7.542	33.434	7.534	26.111	26.112	30.650	26.478	1478.9	190.395	.44	9.28
90.0	90.7	7.624	33.484	7.616	26.138	26.139	30.676	26.551	1479.3	187.956	.42	14.95
100.0	100.8	7.717	33.592	7.707	26.209	26.211	30.745	26.668	1479.8	181.368	.40	13.97
120.0	120.9	7.696	33.746	7.685	26.334	26.335	30.869	26.885	1480.0	169.878	.38	10.66
140.0	141.1	7.636	33.827	7.622	26.406	26.408	30.942	27.049	1479.9	163.316	.35	4.34
160.0	161.2	7.442	33.807	7.427	26.418	26.420	30.959	27.153	1479.1	162.434	.31	13.68
180.0	181.4	6.701	33.829	6.685	26.537	26.539	31.093	27.366	1476.3	151.183	.28	5.71
200.0	201.5	6.229	33.777	6.212	26.558	26.560	31.125	27.481	1474.4	149.305	.25	7.94
225.0	226.8	5.766	33.767	5.747	26.608	26.610	31.186	27.648	1472.6	144.654	.22	4.32
250.0	252.0	5.514	33.748	5.493	26.623	26.625	31.206	27.779	1471.6	143.411	.18	5.97
275.0	277.2	5.223	33.740	5.201	26.651	26.653	31.241	27.925	1470.5	140.843	.14	4.94
300.0	302.4	4.980	33.729	4.957	26.670	26.673	31.267	28.061	1469.5	139.116	.11	4.68
325.0	327.6	4.807	33.727	4.782	26.687	26.690	31.288	28.195	1468.8	137.601	.07	8.94
350.0	352.8	4.634	33.783	4.608	26.751	26.754	31.356	28.376	1468.2	131.697	.00	11.52

STATION 132

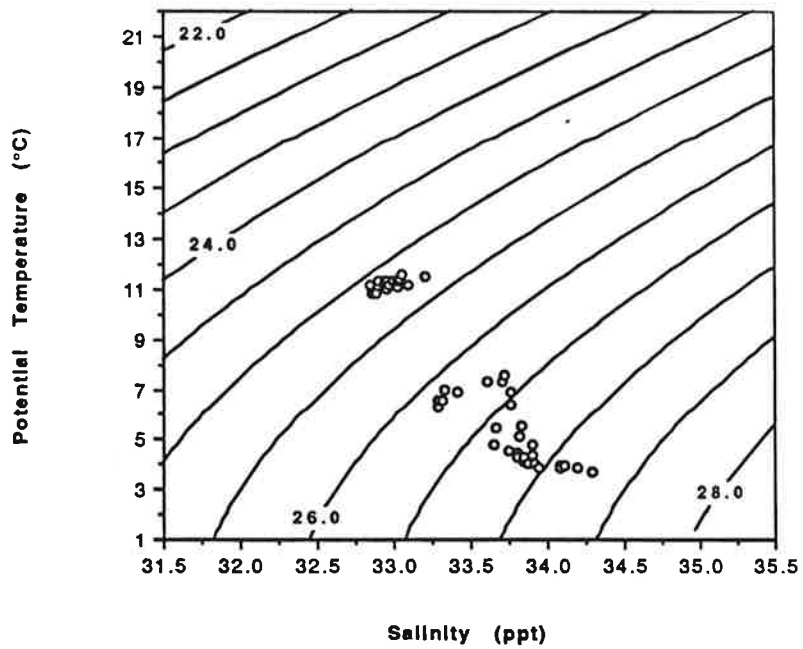
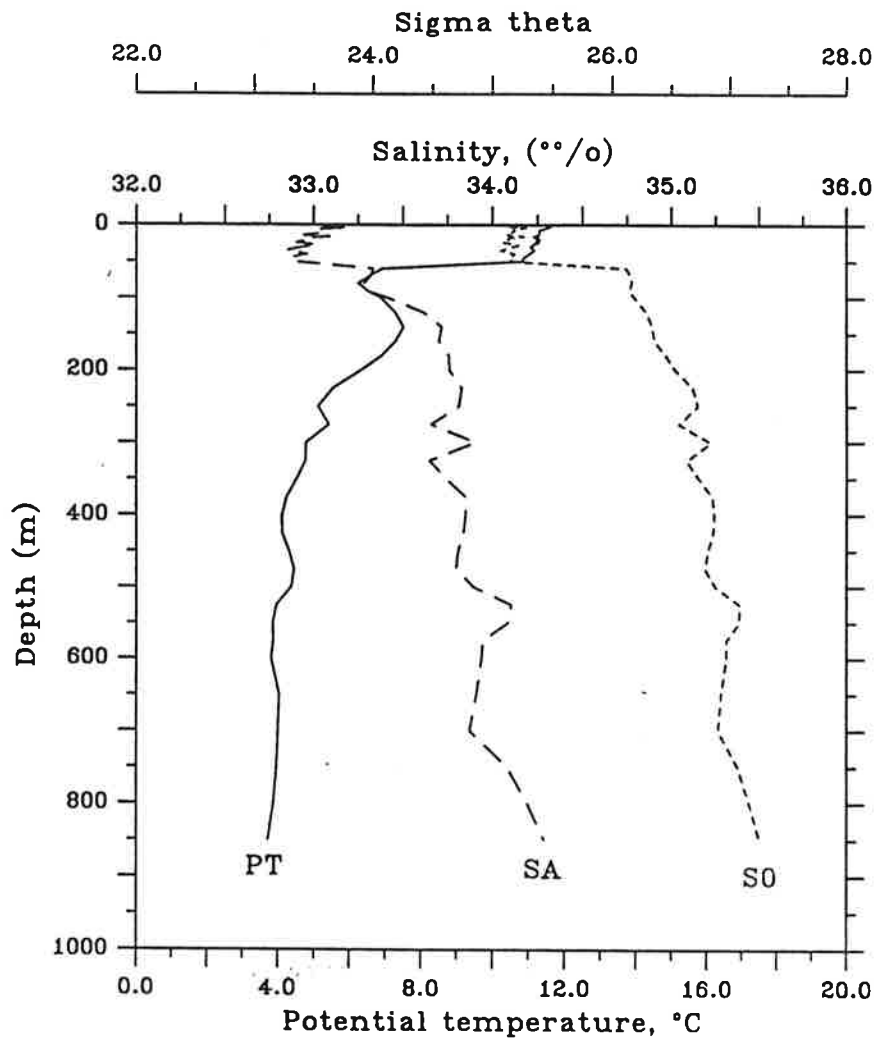


## STATION 133

LATITUDE: 44.4167 N LONGITUDE: 171.0000 W DATE: 31 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	11.625	33.052	11.625	25.146	25.146	29.608	25.146	1493.2	280.847	1.22	.00
2.0	2.0	11.625	33.052	11.625	25.146	25.146	29.608	25.155	1493.2	280.891	1.20	46.06
4.0	4.0	11.538	33.205	11.537	25.281	25.282	29.744	25.300	1493.1	268.068	1.20	-41.19
6.0	6.0	11.407	33.035	11.406	25.173	25.174	29.639	25.201	1492.4	278.400	1.19	15.88
8.0	8.0	11.290	33.029	11.289	25.190	25.190	29.657	25.226	1492.0	276.912	1.19	-20.71
10.0	10.1	11.302	32.996	11.300	25.162	25.162	29.630	25.208	1492.0	279.555	1.18	17.98
12.0	12.1	11.317	33.026	11.315	25.183	25.183	29.650	25.237	1492.1	277.637	1.18	-30.32
14.0	14.1	11.294	32.946	11.292	25.124	25.125	29.593	25.188	1491.9	283.252	1.17	46.39
16.0	16.1	11.161	33.091	11.159	25.261	25.262	29.731	25.334	1491.7	270.244	1.16	-44.33
18.0	18.1	11.240	32.949	11.238	25.136	25.136	29.605	25.218	1491.8	282.201	1.16	-10.34
20.0	20.1	11.320	32.958	11.318	25.129	25.130	29.597	25.220	1492.1	282.895	1.15	14.11
22.0	22.1	11.204	32.948	11.201	25.142	25.142	29.612	25.242	1491.6	281.725	1.15	-27.32
24.0	24.1	11.291	32.907	11.288	25.094	25.095	29.563	25.203	1491.9	286.296	1.14	33.04
26.0	26.2	11.194	32.974	11.191	25.164	25.164	29.634	25.282	1491.6	279.717	1.14	28.77
28.0	28.2	11.106	33.021	11.103	25.217	25.217	29.688	25.344	1491.4	274.738	1.13	-27.59
30.0	30.2	11.066	32.950	11.062	25.168	25.169	29.641	25.304	1491.2	279.391	1.12	-24.65
35.0	35.2	11.163	32.848	11.159	25.071	25.072	29.543	25.230	1491.4	288.709	1.12	26.87
40.0	40.3	11.022	32.963	11.018	25.186	25.187	29.660	25.368	1491.1	277.861	1.10	-17.46
45.0	45.3	10.868	32.866	10.863	25.138	25.139	29.615	25.342	1490.4	282.573	1.09	12.49
50.0	50.3	10.820	32.887	10.814	25.163	25.164	29.641	25.390	1490.3	280.306	1.07	54.75
60.0	60.4	6.925	33.335	6.919	26.117	26.118	30.670	26.394	1476.4	189.363	1.06	10.74
70.0	70.4	6.572	33.322	6.566	26.154	26.155	30.715	26.477	1475.0	185.962	1.04	5.99
80.0	80.5	6.264	33.286	6.257	26.165	26.166	30.733	26.535	1473.8	184.957	1.02	-8.34
90.0	90.6	6.512	33.298	6.504	26.143	26.144	30.706	26.559	1474.8	187.231	1.00	11.74
100.0	100.6	6.902	33.419	6.892	26.187	26.189	30.741	26.648	1476.5	183.268	.98	12.62
120.0	120.8	7.293	33.617	7.282	26.289	26.291	30.833	26.841	1478.3	174.018	.96	8.69
140.0	140.9	7.515	33.717	7.501	26.337	26.339	30.876	26.980	1479.3	169.818	.92	5.46
160.0	161.1	7.297	33.703	7.282	26.356	26.358	30.900	27.091	1478.4	168.257	.89	12.28
180.0	181.2	6.914	33.758	6.897	26.452	26.455	31.004	27.281	1477.1	159.308	.85	11.13
200.0	201.3	6.345	33.762	6.327	26.531	26.533	31.096	27.453	1474.9	151.887	.82	13.86
225.0	226.5	5.547	33.830	5.529	26.684	26.686	31.266	27.725	1471.8	137.351	.79	6.90
250.0	251.7	5.127	33.815	5.108	26.722	26.724	31.314	27.881	1470.1	133.834	.75	-14.11
275.0	276.9	5.436	33.660	5.414	26.563	26.566	31.149	27.836	1471.2	149.281	.72	18.45
300.0	302.1	4.789	33.909	4.766	26.834	26.837	31.434	28.226	1469.0	123.521	.68	-15.96
325.0	327.3	4.777	33.651	4.752	26.631	26.633	31.233	28.139	1468.6	142.930	.65	11.24
350.0	352.5	4.534	33.744	4.508	26.731	26.734	31.338	28.357	1467.8	133.482	.61	12.09
375.0	377.7	4.249	33.853	4.222	26.848	26.851	31.461	28.591	1466.8	122.493	.58	4.04
400.0	402.9	4.121	33.852	4.093	26.861	26.864	31.477	28.721	1466.3	121.370	.55	-3.28
425.0	428.1	4.123	33.841	4.093	26.852	26.855	31.469	28.828	1466.3	122.389	.51	-7.45
450.0	453.3	4.315	33.811	4.282	26.808	26.811	31.421	28.898	1467.1	126.957	.48	-5.48
475.0	478.5	4.457	33.800	4.422	26.784	26.788	31.394	28.988	1467.7	129.574	.45	10.37
500.0	503.7	4.377	33.897	4.340	26.870	26.874	31.481	29.190	1467.6	121.641	.42	16.25
525.0	528.9	3.964	34.107	3.927	27.080	27.084	31.700	29.519	1466.2	101.609	.39	-2.78
550.0	554.1	3.866	34.087	3.827	27.074	27.077	31.696	29.630	1465.8	102.279	.36	-11.87
575.0	579.3	3.873	33.946	3.832	26.961	26.965	31.584	29.633	1465.7	113.042	.33	1.29
600.0	604.6	3.817	33.941	3.775	26.962	26.967	31.587	29.751	1465.5	113.040	.30	-5.37
650.0	655.0	4.041	33.912	3.994	26.917	26.921	31.537	29.933	1466.4	118.056	.28	-4.04
700.0	705.5	4.005	33.875	3.954	26.890	26.896	31.513	30.138	1466.3	120.849	.22	10.32
750.0	756.0	3.965	34.083	3.911	27.060	27.066	31.683	30.538	1466.5	105.268	.16	7.86
800.0	806.5	3.878	34.196	3.819	27.159	27.165	31.783	30.867	1466.4	96.311	.10	7.45
850.0	857.0	3.719	34.287	3.658	27.247	27.253	31.874	31.188	1465.9	88.157	.00	8.74

## STATION 133



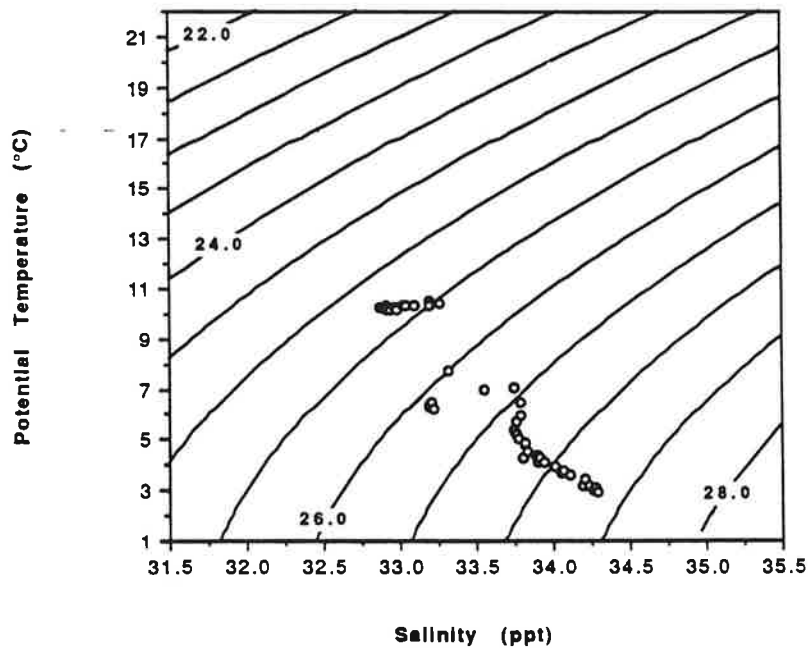
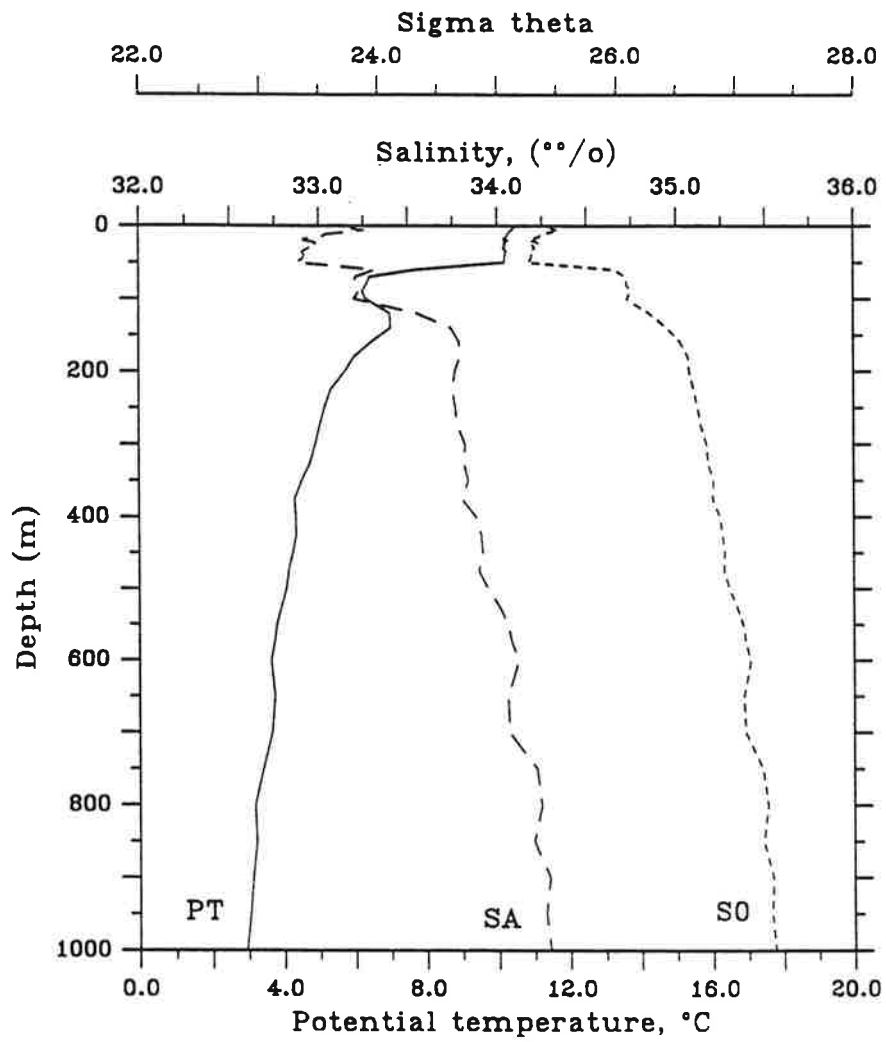
## STATION 136

LATITUDE: 45.1719 N LONGITUDE: 170.9558 W DATE: 31 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	10.462	33.188	10.462	25.459	25.459	29.941	25.459	1489.3	251.099	1.29	.00
2.0	2.0	10.462	33.188	10.462	25.459	25.459	29.941	25.468	1489.3	251.139	1.27	.25
4.0	4.0	10.462	33.188	10.461	25.459	25.459	29.941	25.477	1489.3	251.180	1.26	31.48
6.0	6.0	10.412	33.258	10.411	25.522	25.522	30.005	25.549	1489.2	245.212	1.26	-25.90
8.0	8.1	10.349	33.189	10.348	25.479	25.480	29.964	25.516	1488.9	249.318	1.25	-30.94
10.0	10.1	10.316	33.104	10.315	25.418	25.419	29.904	25.464	1488.7	255.162	1.25	-27.54
12.0	12.1	10.292	33.036	10.291	25.370	25.370	29.857	25.425	1488.5	259.800	1.24	-9.25
14.0	14.1	10.286	33.028	10.284	25.365	25.365	29.851	25.428	1488.5	260.359	1.24	-20.10
16.0	16.1	10.246	32.986	10.244	25.339	25.339	29.827	25.412	1488.3	262.847	1.23	-26.50
18.0	18.1	10.173	32.913	10.171	25.294	25.294	29.784	25.376	1487.9	267.139	1.23	-16.29
20.0	20.2	10.314	32.922	10.312	25.277	25.278	29.764	25.368	1488.5	268.792	1.22	30.04
22.0	22.2	10.217	32.974	10.214	25.335	25.335	29.823	25.435	1488.2	263.359	1.22	15.36
24.0	24.2	10.186	32.987	10.184	25.350	25.350	29.839	25.459	1488.1	261.968	1.21	-29.93
26.0	26.2	10.230	32.924	10.227	25.293	25.293	29.781	25.411	1488.2	267.438	1.21	15.54
28.0	28.2	10.216	32.940	10.213	25.308	25.309	29.797	25.435	1488.1	266.012	1.20	15.22
30.0	30.2	10.167	32.949	10.164	25.323	25.323	29.812	25.459	1488.0	264.644	1.20	-17.58
35.0	35.3	10.264	32.906	10.260	25.273	25.274	29.762	25.433	1488.3	269.430	1.19	10.58
40.0	40.3	10.219	32.919	10.215	25.291	25.292	29.780	25.473	1488.1	267.829	1.18	-5.06
45.0	45.4	10.203	32.911	10.198	25.287	25.288	29.777	25.492	1488.1	268.313	1.16	-13.89
50.0	50.4	10.206	32.872	10.200	25.256	25.257	29.747	25.484	1488.1	271.331	1.15	47.93
60.0	60.5	7.754	33.317	7.748	25.988	25.989	30.524	26.264	1479.5	201.703	1.14	16.97
70.0	70.6	6.445	33.207	6.439	26.080	26.081	30.645	26.403	1474.4	192.962	1.11	4.29
80.0	80.7	6.343	33.198	6.336	26.086	26.087	30.653	26.456	1474.0	192.514	1.09	10.66
90.0	90.8	6.229	33.225	6.221	26.122	26.123	30.692	26.538	1473.6	189.183	1.07	-10.24
100.0	100.9	6.327	33.199	6.319	26.089	26.090	30.656	26.551	1473.9	192.498	1.05	17.23
120.0	121.0	7.003	33.552	6.992	26.278	26.280	30.829	26.831	1477.0	174.968	1.03	15.19
140.0	141.2	7.028	33.743	7.015	26.425	26.427	30.975	27.070	1477.4	161.316	1.00	13.21
160.0	161.4	6.469	33.790	6.455	26.537	26.538	31.098	27.274	1475.3	150.887	.96	9.81
180.0	181.6	5.995	33.791	5.980	26.598	26.600	31.170	27.429	1473.5	145.172	.93	4.22
200.0	201.8	5.736	33.764	5.720	26.609	26.611	31.187	27.534	1472.5	144.239	.90	6.70
225.0	227.0	5.342	33.750	5.324	26.645	26.647	31.232	27.687	1470.9	140.961	.87	6.62
250.0	252.2	5.160	33.767	5.141	26.679	26.682	31.271	27.838	1470.2	137.838	.83	5.73
275.0	277.5	5.020	33.780	4.999	26.706	26.708	31.300	27.981	1469.7	135.546	.80	7.63
300.0	302.7	4.898	33.821	4.875	26.752	26.754	31.350	28.143	1469.3	131.341	.76	3.72
325.0	327.9	4.752	33.814	4.728	26.763	26.765	31.364	28.271	1468.7	130.451	.73	7.51
350.0	353.2	4.514	33.838	4.488	26.808	26.810	31.415	28.433	1467.8	126.269	.70	-2.79
375.0	378.4	4.308	33.802	4.281	26.801	26.804	31.413	28.544	1467.0	126.917	.66	8.69
400.0	403.7	4.340	33.882	4.311	26.862	26.865	31.473	28.720	1467.2	121.484	.63	5.08
425.0	428.9	4.350	33.909	4.319	26.882	26.885	31.493	28.856	1467.4	119.777	.60	4.63
450.0	454.2	4.253	33.918	4.221	26.899	26.903	31.513	28.989	1467.0	118.294	.57	-2.35
475.0	479.5	4.135	33.897	4.101	26.895	26.898	31.511	29.102	1466.5	118.805	.54	7.58
500.0	504.7	4.072	33.946	4.036	26.941	26.944	31.558	29.264	1466.4	114.632	.51	8.96
525.0	530.0	3.938	34.009	3.900	27.004	27.008	31.625	29.444	1465.9	108.670	.48	7.87
550.0	555.3	3.805	34.054	3.767	27.054	27.058	31.678	29.611	1465.5	104.071	.45	5.37
575.0	580.5	3.740	34.075	3.700	27.076	27.080	31.702	29.750	1465.3	102.028	.42	7.12
600.0	605.8	3.640	34.113	3.599	27.117	27.121	31.745	29.907	1464.9	98.290	.40	-6.05
650.0	656.4	3.744	34.053	3.699	27.059	27.063	31.685	30.078	1465.4	104.298	.37	2.86
700.0	707.0	3.666	34.059	3.617	27.072	27.076	31.700	30.323	1465.2	103.336	.32	9.63
750.0	757.5	3.409	34.213	3.358	27.219	27.224	31.853	30.705	1464.3	89.445	.27	5.18
800.0	808.1	3.178	34.239	3.124	27.261	27.267	31.901	30.982	1463.5	85.381	.22	-4.87
850.0	858.7	3.215	34.196	3.158	27.224	27.229	31.863	31.174	1463.7	89.312	.17	7.07
900.0	909.3	3.117	34.285	3.056	27.303	27.309	31.945	31.486	1463.4	82.007	.13	-2.52
950.0	960.0	3.039	34.263	2.975	27.293	27.299	31.937	31.708	1463.2	83.113	.08	4.30
1000.0	1010.6	2.933	34.287	2.866	27.322	27.328	31.969	31.969	1462.8	80.439	.00	8.27



## STATION 136

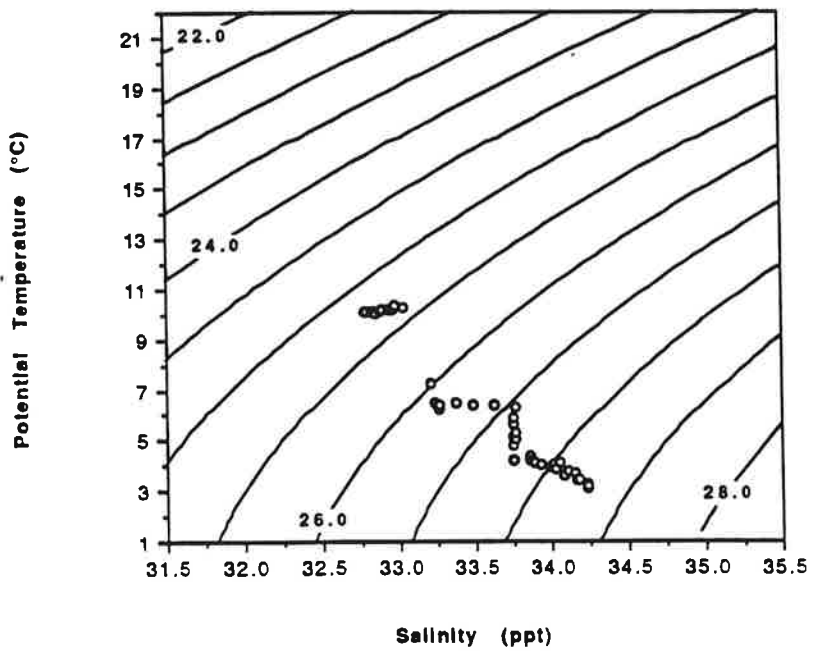
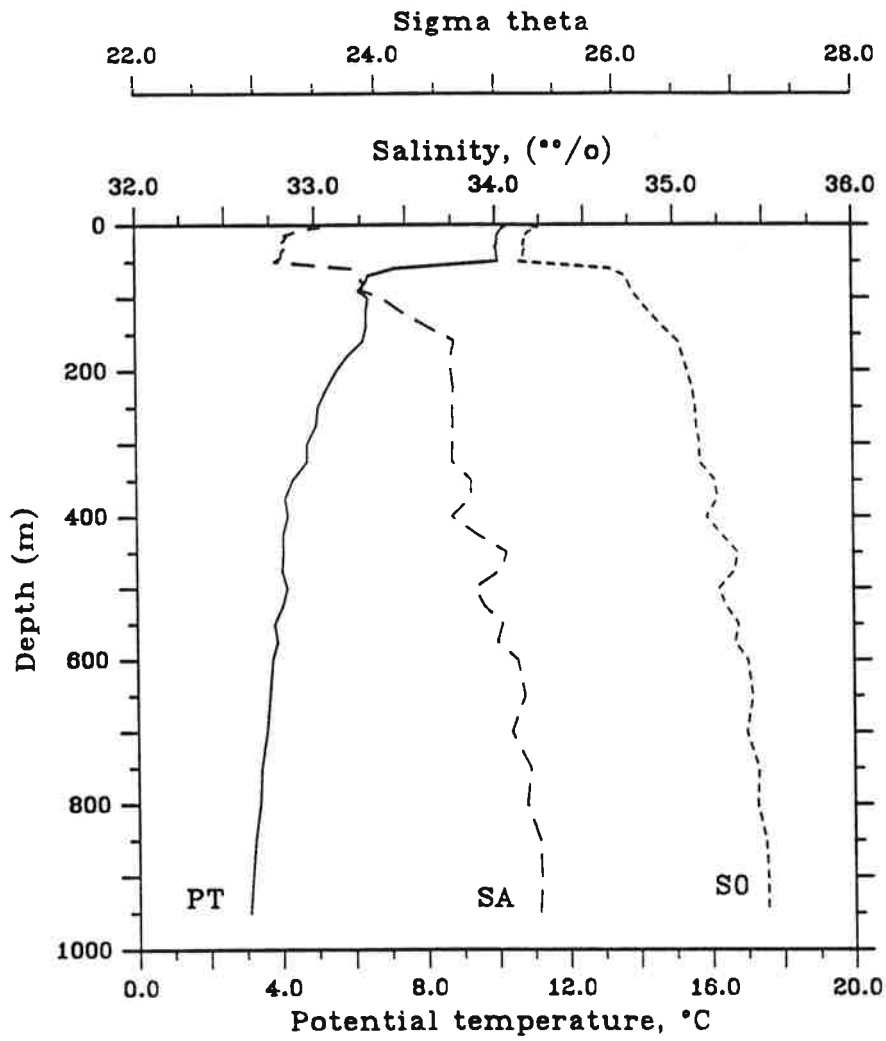


## STATION 138

LATITUDE: 45.4167 N LONGITUDE: 170.9389 W DATE: 31 OCT 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	10.325	32.974	10.325	25.316	25.316	29.802	25.316	1488.5	264.677	1.25	.00
2.0	2.0	10.325	32.974	10.325	25.316	25.316	29.802	25.325	1488.5	264.716	1.23	29.66
4.0	4.0	10.257	33.032	10.257	25.372	25.372	29.859	25.391	1488.4	259.421	1.23	-25.62
6.0	6.1	10.184	32.962	10.183	25.330	25.331	29.819	25.358	1488.0	263.438	1.22	-18.61
8.0	8.1	10.149	32.926	10.148	25.309	25.309	29.798	25.345	1487.8	265.575	1.22	-20.03
10.0	10.1	10.127	32.889	10.126	25.283	25.283	29.773	25.328	1487.7	268.047	1.21	-8.95
12.0	12.1	10.094	32.875	10.093	25.278	25.278	29.769	25.332	1487.6	268.570	1.21	-19.90
14.0	14.1	10.062	32.836	10.060	25.252	25.253	29.745	25.316	1487.4	271.009	1.20	12.97
16.0	16.2	10.058	32.849	10.056	25.263	25.264	29.755	25.336	1487.4	270.026	1.20	-6.89
18.0	18.2	10.065	32.846	10.063	25.260	25.260	29.752	25.342	1487.5	270.353	1.19	-12.92
20.0	20.2	10.066	32.833	10.064	25.250	25.250	29.742	25.341	1487.5	271.402	1.18	7.47
22.0	22.2	10.058	32.836	10.055	25.253	25.253	29.746	25.353	1487.4	271.102	1.18	-12.82
24.0	24.2	10.042	32.819	10.039	25.243	25.243	29.736	25.352	1487.4	272.135	1.17	5.38
26.0	26.2	10.054	32.824	10.052	25.244	25.245	29.737	25.363	1487.4	271.998	1.17	-5.99
28.0	28.3	10.041	32.818	10.038	25.242	25.243	29.735	25.370	1487.4	272.253	1.16	23.31
30.0	30.3	9.995	32.853	9.991	25.277	25.277	29.770	25.413	1487.2	268.996	1.16	-13.95
35.0	35.3	10.043	32.823	10.039	25.246	25.247	29.739	25.405	1487.4	272.044	1.15	-6.03
40.0	40.4	10.052	32.818	10.048	25.240	25.241	29.733	25.422	1487.4	272.690	1.14	1.12
45.0	45.4	10.051	32.818	10.046	25.240	25.241	29.733	25.445	1487.4	272.766	1.12	-14.59
50.0	50.5	10.086	32.782	10.080	25.206	25.207	29.699	25.434	1487.5	276.088	1.11	49.15
60.0	60.6	7.204	33.203	7.198	25.976	25.976	30.524	26.252	1477.3	202.843	1.10	20.10
70.0	70.6	6.464	33.241	6.458	26.104	26.105	30.669	26.428	1474.5	190.650	1.07	9.04
80.0	80.7	6.394	33.263	6.387	26.131	26.131	30.696	26.500	1474.2	188.294	1.05	8.87
90.0	90.8	6.196	33.263	6.189	26.156	26.156	30.726	26.572	1473.5	186.006	1.03	12.59
100.0	100.9	6.460	33.369	6.452	26.206	26.207	30.770	26.668	1474.7	181.388	1.01	12.39
120.0	121.1	6.404	33.484	6.393	26.304	26.305	30.868	26.858	1474.6	172.357	.99	13.09
140.0	141.3	6.409	33.624	6.397	26.413	26.415	30.977	27.059	1474.8	162.265	.96	14.12
160.0	161.5	6.312	33.769	6.298	26.541	26.542	31.105	27.279	1474.7	150.448	.92	7.74
180.0	181.7	5.889	33.750	5.874	26.579	26.580	31.153	27.411	1473.0	146.934	.89	7.55
200.0	201.9	5.591	33.749	5.575	26.615	26.617	31.196	27.541	1471.9	143.615	.86	7.33
225.0	227.2	5.306	33.761	5.288	26.657	26.660	31.246	27.700	1470.8	139.721	.83	5.36
250.0	252.4	5.075	33.756	5.056	26.680	26.683	31.274	27.840	1469.9	137.705	.80	3.10
275.0	277.7	5.023	33.758	5.002	26.688	26.690	31.283	27.963	1469.7	137.212	.76	5.74
300.0	302.9	4.772	33.755	4.750	26.714	26.717	31.315	28.106	1468.7	134.825	.73	-.98
325.0	328.2	4.765	33.753	4.740	26.713	26.716	31.315	28.221	1468.7	135.135	.69	12.66
350.0	353.5	4.359	33.858	4.333	26.841	26.844	31.451	28.468	1467.2	123.019	.66	5.21
375.0	378.7	4.150	33.858	4.123	26.862	26.865	31.478	28.606	1466.4	121.032	.62	-10.87
400.0	404.0	4.220	33.748	4.192	26.768	26.771	31.383	28.628	1466.6	130.180	.59	12.53
425.0	429.3	4.084	33.888	4.054	26.893	26.896	31.511	28.869	1466.2	118.464	.56	12.92
450.0	454.6	4.090	34.057	4.058	27.027	27.030	31.643	29.118	1466.5	106.136	.53	-5.57
475.0	479.8	4.049	34.020	4.015	27.002	27.005	31.620	29.209	1466.3	108.638	.50	-12.76
500.0	505.1	4.189	33.875	4.153	26.872	26.876	31.488	29.194	1466.8	121.211	.47	8.27
525.0	530.4	4.055	33.926	4.018	26.926	26.930	31.545	29.365	1466.3	116.147	.44	11.51
550.0	555.7	3.830	34.030	3.791	27.032	27.036	31.655	29.589	1465.6	106.151	.41	-6.41
575.0	581.0	3.907	33.999	3.866	26.999	27.003	31.622	29.671	1465.9	109.519	.38	11.54
600.0	606.3	3.767	34.114	3.725	27.105	27.110	31.730	29.894	1465.5	99.567	.36	4.97
650.0	656.9	3.688	34.154	3.643	27.145	27.149	31.772	30.165	1465.3	96.145	.33	-5.66
700.0	707.5	3.601	34.079	3.552	27.093	27.098	31.723	30.346	1464.9	101.188	.28	7.86
750.0	758.1	3.442	34.183	3.391	27.192	27.197	31.825	30.677	1464.4	92.067	.23	-2.73
800.0	808.7	3.395	34.162	3.340	27.180	27.185	31.815	30.897	1464.3	93.457	.18	6.60
850.0	859.4	3.251	34.232	3.193	27.249	27.254	31.887	31.199	1463.9	87.045	.13	2.88
900.0	910.0	3.167	34.238	3.106	27.262	27.267	31.903	31.444	1463.6	85.980	.09	.63
950.0	960.7	3.091	34.230	3.026	27.262	27.268	31.905	31.676	1463.3	86.087	.00	7.73

STATION 138

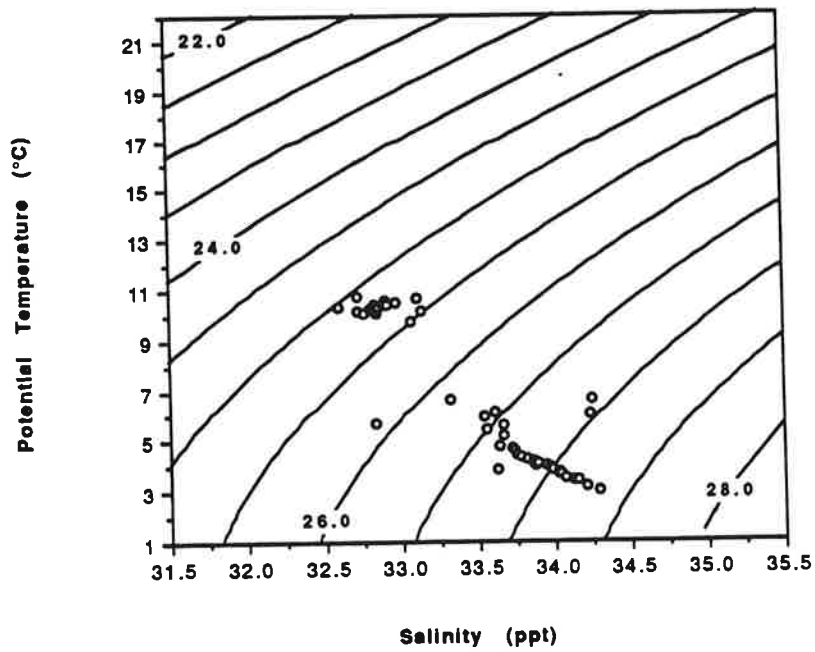
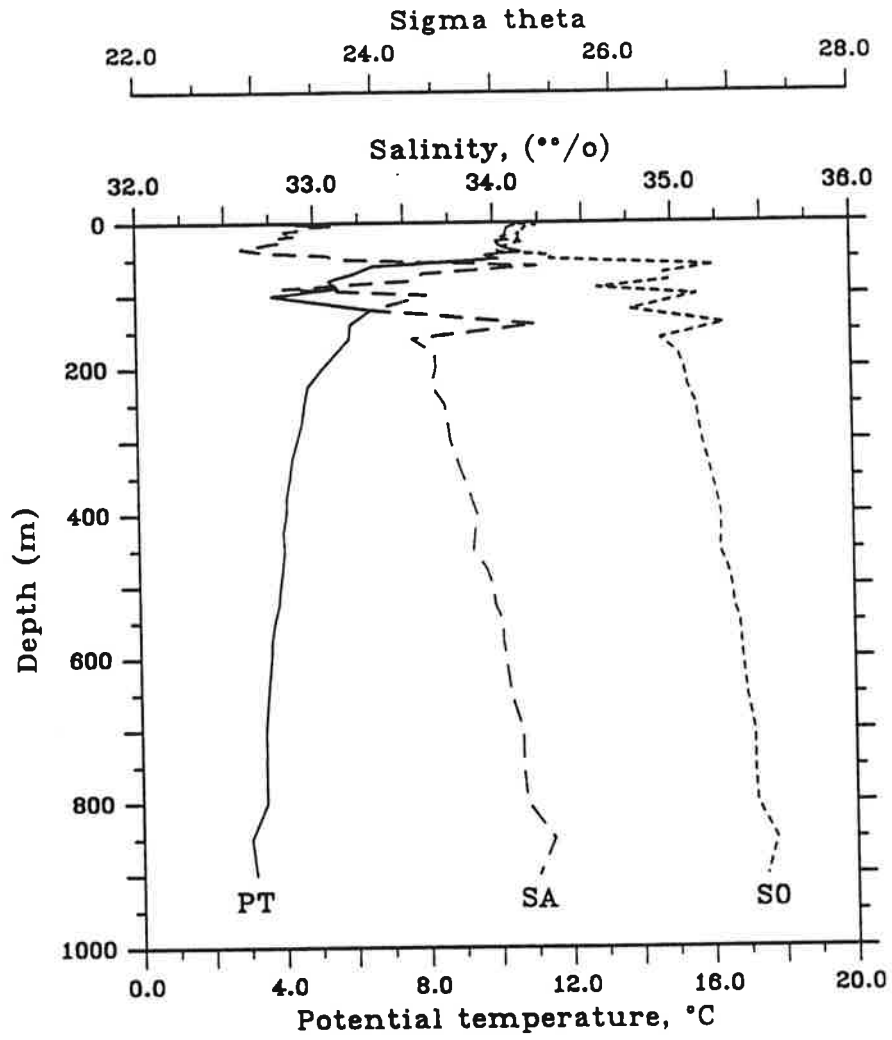


## STATION 141

LATITUDE: 46.1833 N LONGITUDE: 171.0000 W DATE: 1 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	10.608	32.906	10.608	25.214	25.214	29.695	25.214	1489.5	274.393	1.18	.00
2.0	2.0	10.608	32.906	10.608	25.214	25.214	29.695	25.223	1489.5	274.433	1.16	48.99
4.0	4.0	10.619	33.105	10.618	25.367	25.367	29.847	25.385	1489.7	259.923	1.16	-34.34
6.0	6.1	10.470	32.975	10.469	25.292	25.292	29.775	25.319	1489.1	267.110	1.15	-24.41
8.0	8.1	10.373	32.905	10.372	25.254	25.254	29.740	25.290	1488.6	270.761	1.15	10.23
10.0	10.1	10.395	32.918	10.394	25.261	25.261	29.746	25.306	1488.7	270.167	1.14	-29.91
12.0	12.1	10.347	32.835	10.346	25.204	25.204	29.690	25.258	1488.5	275.628	1.14	17.43
14.0	14.1	10.352	32.861	10.351	25.223	25.223	29.709	25.287	1488.5	273.824	1.13	-20.66
16.0	16.1	10.325	32.820	10.324	25.196	25.196	29.683	25.269	1488.4	276.451	1.12	26.87
18.0	18.2	10.384	32.892	10.381	25.242	25.242	29.728	25.324	1488.7	272.115	1.12	-22.92
20.0	20.2	10.215	32.812	10.212	25.208	25.209	29.698	25.299	1488.0	275.333	1.11	13.74
22.0	22.2	10.277	32.841	10.275	25.220	25.221	29.708	25.320	1488.2	274.230	1.11	-20.43
24.0	24.2	10.426	32.840	10.423	25.194	25.194	29.679	25.303	1488.8	276.804	1.10	30.62
26.0	26.2	10.080	32.841	10.077	25.253	25.254	29.746	25.372	1487.5	271.145	1.10	-31.72
28.0	28.3	10.105	32.764	10.102	25.189	25.190	29.681	25.317	1487.5	277.283	1.09	-22.72
30.0	30.3	10.132	32.728	10.128	25.156	25.157	29.648	25.293	1487.6	280.451	1.09	-28.70
35.0	35.3	10.306	32.597	10.302	25.025	25.026	29.515	25.185	1488.1	293.043	1.08	10.38
40.0	40.4	10.768	32.721	10.763	25.042	25.043	29.522	25.224	1489.9	291.538	1.07	52.89
45.0	45.4	9.772	33.076	9.767	25.488	25.489	29.984	25.693	1486.7	249.201	1.05	-9.35
50.0	50.5	10.164	33.142	10.159	25.474	25.475	29.963	25.701	1488.2	250.654	1.04	66.24
60.0	60.5	6.644	34.245	6.639	26.872	26.873	31.425	27.149	1476.4	117.762	1.02	-37.04
70.0	70.6	6.131	33.605	6.125	26.434	26.435	31.003	26.758	1473.6	159.339	1.00	12.17
80.0	80.7	5.425	33.556	5.419	26.481	26.482	31.066	26.852	1470.7	154.869	.99	-43.58
90.0	90.8	5.693	32.830	5.686	25.875	25.876	30.460	26.293	1470.9	212.485	.97	51.21
100.0	100.9	3.818	33.626	3.812	26.711	26.712	31.334	27.179	1464.3	132.913	.96	-29.71
120.0	121.1	6.598	33.319	6.587	26.148	26.150	30.709	26.702	1475.2	187.158	.94	35.41
140.0	141.3	6.013	34.237	6.001	26.948	26.950	31.516	27.595	1474.1	111.533	.91	-29.24
160.0	161.5	5.972	33.540	5.959	26.402	26.404	30.976	27.142	1473.0	163.409	.88	15.06
180.0	181.7	5.604	33.666	5.590	26.547	26.549	31.128	27.380	1471.8	149.822	.85	8.68
200.0	201.9	5.227	33.670	5.211	26.595	26.597	31.185	27.522	1470.3	145.348	.82	6.05
225.0	227.2	4.796	33.645	4.779	26.624	26.626	31.224	27.669	1468.5	142.645	.79	9.27
250.0	252.4	4.691	33.716	4.672	26.692	26.694	31.295	27.854	1468.2	136.351	.75	5.25
275.0	277.7	4.616	33.734	4.596	26.714	26.716	31.319	27.992	1468.0	134.470	.71	5.65
300.0	302.9	4.474	33.746	4.452	26.740	26.742	31.347	28.134	1467.5	132.213	.68	7.54
325.0	328.2	4.327	33.784	4.304	26.785	26.787	31.396	28.296	1466.9	128.061	.64	6.71
350.0	353.5	4.261	33.820	4.236	26.821	26.823	31.434	28.448	1466.8	124.843	.61	6.95
375.0	378.7	4.162	33.855	4.135	26.859	26.862	31.474	28.603	1466.4	121.346	.58	6.07
400.0	404.0	4.145	33.890	4.117	26.888	26.891	31.504	28.748	1466.4	118.778	.55	- .35
425.0	429.3	4.048	33.877	4.018	26.888	26.891	31.507	28.865	1466.1	118.909	.52	-3.68
450.0	454.5	4.076	33.867	4.044	26.877	26.881	31.495	28.969	1466.2	120.159	.49	8.82
475.0	479.8	4.018	33.938	3.984	26.940	26.943	31.559	29.148	1466.1	114.461	.46	6.70
500.0	505.1	3.947	33.974	3.912	26.975	26.979	31.596	29.300	1465.9	111.221	.43	4.01
525.0	530.4	3.898	33.983	3.861	26.988	26.992	31.610	29.429	1465.7	110.162	.40	7.63
550.0	555.7	3.767	34.025	3.729	27.034	27.038	31.659	29.592	1465.3	105.836	.37	3.34
575.0	581.0	3.685	34.026	3.645	27.043	27.047	31.670	29.718	1465.0	105.091	.34	4.01
600.0	606.3	3.658	34.039	3.617	27.056	27.060	31.684	29.846	1464.9	104.040	.32	4.33
650.0	656.9	3.559	34.064	3.514	27.086	27.090	31.716	30.108	1464.6	101.468	.29	6.05
700.0	707.5	3.473	34.127	3.425	27.144	27.149	31.777	30.399	1464.4	96.222	.24	.31
750.0	758.1	3.468	34.126	3.416	27.144	27.149	31.777	30.629	1464.5	96.557	.19	3.13
800.0	808.7	3.468	34.146	3.413	27.160	27.165	31.793	30.875	1464.6	95.455	.14	10.06
850.0	859.4	3.037	34.297	2.980	27.320	27.326	31.963	31.274	1463.0	79.920	.09	-7.21
900.0	910.0	3.155	34.207	3.094	27.238	27.243	31.879	31.420	1463.5	88.207	.00	8.19

## STATION 141

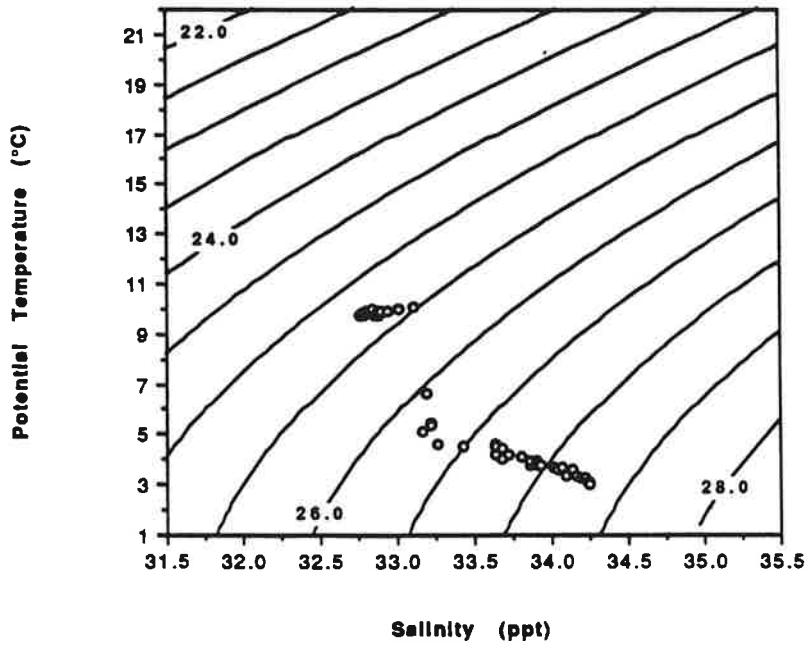
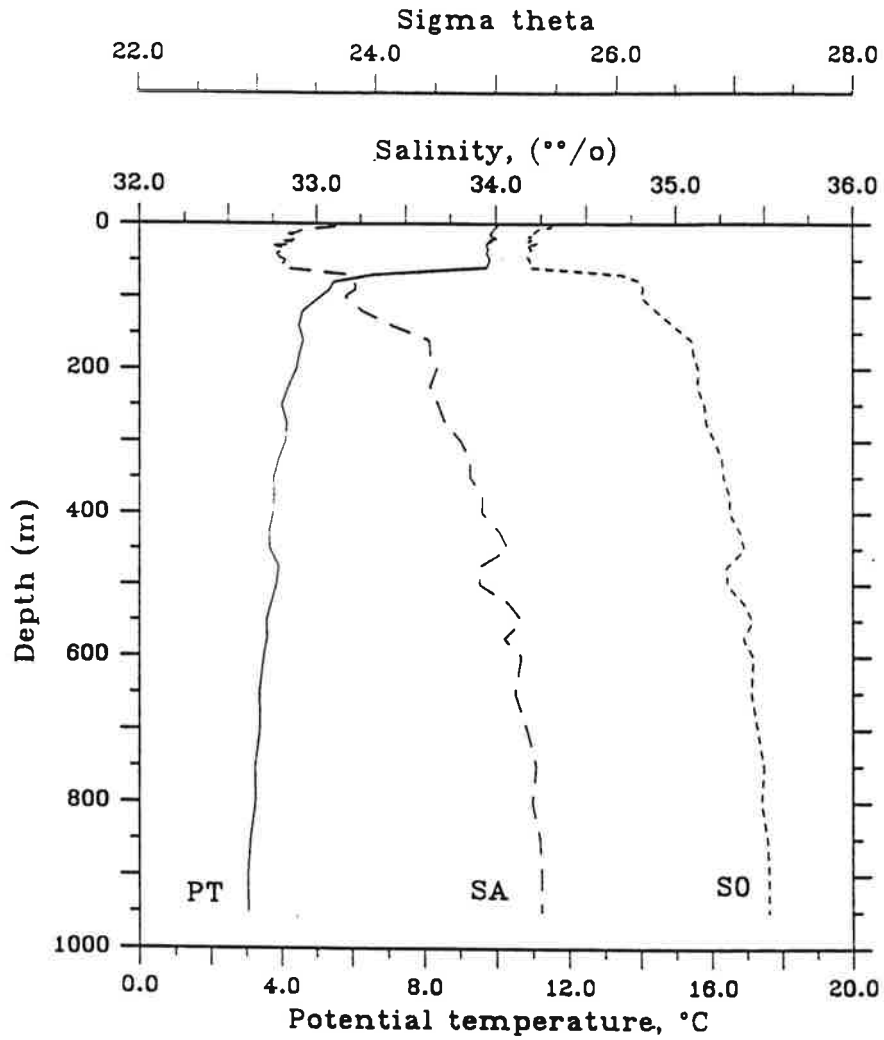


## STATION 142

LATITUDE: 46.4167 N LONGITUDE: 171.0000 W DATE: 1 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	10.041	33.107	10.041	25.467	25.467	29.958	25.467	1487.7	250.318	1.20	.00
2.0	2.0	10.041	33.107	10.041	25.467	25.467	29.958	25.476	1487.7	250.357	1.18	.25
4.0	4.0	10.041	33.107	10.041	25.467	25.467	29.958	25.486	1487.7	250.395	1.18	-29.16
6.0	6.1	9.960	33.020	9.959	25.413	25.413	29.906	25.440	1487.3	255.587	1.17	-31.08
8.0	8.1	9.944	32.938	9.943	25.351	25.352	29.845	25.388	1487.1	261.480	1.17	-18.43
10.0	10.1	9.913	32.903	9.912	25.330	25.330	29.824	25.375	1487.0	263.577	1.16	-8.89
12.0	12.1	9.884	32.890	9.882	25.325	25.325	29.820	25.379	1486.9	264.093	1.16	-23.34
14.0	14.1	9.832	32.835	9.830	25.290	25.290	29.787	25.354	1486.6	267.433	1.15	18.12
16.0	16.2	9.862	32.868	9.860	25.311	25.311	29.807	25.384	1486.8	265.480	1.15	-26.17
18.0	18.2	9.929	32.826	9.927	25.267	25.268	29.762	25.349	1486.9	269.672	1.14	10.40
20.0	20.2	10.012	32.853	10.009	25.274	25.274	29.767	25.365	1487.3	269.056	1.14	27.20
22.0	22.2	9.820	32.873	9.818	25.321	25.322	29.818	25.422	1486.6	264.601	1.13	-30.82
24.0	24.2	9.896	32.811	9.894	25.261	25.261	29.756	25.370	1486.8	270.400	1.13	35.22
26.0	26.3	9.763	32.884	9.760	25.340	25.340	29.838	25.458	1486.4	262.913	1.12	-17.83
28.0	28.3	9.749	32.855	9.746	25.320	25.320	29.818	25.447	1486.3	264.876	1.12	-33.92
30.0	30.3	9.736	32.759	9.733	25.246	25.247	29.746	25.383	1486.2	271.886	1.11	18.12
35.0	35.4	9.794	32.838	9.790	25.299	25.299	29.796	25.458	1486.5	267.007	1.10	-15.99
40.0	40.4	9.737	32.774	9.733	25.258	25.258	29.757	25.440	1486.2	270.967	1.09	-3.66
45.0	45.5	9.797	32.784	9.792	25.256	25.257	29.754	25.461	1486.5	271.267	1.08	12.55
50.0	50.5	9.836	32.824	9.830	25.281	25.282	29.778	25.509	1486.7	268.978	1.06	-5.93
60.0	60.6	9.741	32.790	9.734	25.270	25.271	29.769	25.543	1486.3	270.219	1.05	49.41
70.0	70.7	6.618	33.194	6.612	26.047	26.048	30.608	26.370	1475.0	196.121	1.02	22.50
80.0	80.8	5.486	33.220	5.479	26.208	26.209	30.795	26.580	1470.6	180.746	1.00	6.90
90.0	90.9	5.381	33.223	5.374	26.223	26.224	30.812	26.641	1470.2	179.393	.98	-7.38
100.0	101.1	5.134	33.166	5.126	26.206	26.207	30.801	26.671	1469.1	181.090	.96	14.48
120.0	121.3	4.614	33.262	4.606	26.340	26.341	30.946	26.899	1467.1	168.469	.94	14.88
140.0	141.5	4.508	33.425	4.498	26.481	26.482	31.089	27.133	1466.9	155.232	.91	15.37
160.0	161.7	4.636	33.633	4.625	26.632	26.633	31.236	27.376	1467.8	141.189	.87	5.18
180.0	181.9	4.517	33.638	4.504	26.649	26.650	31.256	27.486	1467.3	139.709	.84	7.72
200.0	202.2	4.438	33.675	4.424	26.687	26.688	31.295	27.618	1467.1	136.261	.81	-2.86
225.0	227.5	4.205	33.636	4.189	26.680	26.682	31.295	27.728	1466.1	136.986	.79	8.46
250.0	252.7	4.015	33.683	3.997	26.737	26.739	31.356	27.903	1465.4	131.695	.75	4.37
275.0	278.0	4.161	33.721	4.142	26.753	26.754	31.368	28.033	1466.1	130.544	.72	9.58
300.0	303.3	4.127	33.809	4.106	26.826	26.828	31.441	28.222	1466.1	123.826	.68	8.64
325.0	328.6	3.933	33.859	3.911	26.885	26.887	31.506	28.399	1465.4	118.285	.65	4.21
350.0	353.9	3.791	33.858	3.767	26.899	26.902	31.523	28.530	1464.8	117.043	.62	8.05
375.0	379.2	3.802	33.925	3.776	26.951	26.953	31.574	28.698	1465.0	112.378	.59	1.14
400.0	404.5	3.777	33.923	3.749	26.952	26.955	31.576	28.815	1464.9	112.452	.56	10.25
425.0	429.8	3.672	34.015	3.643	27.035	27.038	31.662	29.015	1464.7	104.657	.53	7.07
450.0	455.1	3.681	34.066	3.650	27.075	27.079	31.701	29.171	1464.8	101.100	.50	-13.82
475.0	480.5	3.928	33.906	3.895	26.923	26.927	31.545	29.132	1465.7	115.892	.48	3.47
500.0	505.8	3.863	33.910	3.828	26.933	26.936	31.556	29.258	1465.5	115.118	.45	13.09
525.0	531.1	3.723	34.063	3.686	27.069	27.073	31.695	29.512	1465.1	102.311	.42	9.68
550.0	556.4	3.586	34.140	3.549	27.144	27.147	31.772	29.703	1464.7	95.316	.39	-9.92
575.0	581.7	3.603	34.044	3.563	27.065	27.069	31.694	29.741	1464.7	102.891	.37	10.30
600.0	607.1	3.499	34.137	3.458	27.150	27.154	31.781	29.942	1464.4	94.999	.34	-3.20
650.0	657.7	3.374	34.101	3.330	27.133	27.138	31.768	30.159	1463.9	96.713	.32	5.73
700.0	708.4	3.383	34.168	3.336	27.186	27.190	31.820	30.442	1464.1	92.164	.27	5.75
750.0	759.1	3.247	34.218	3.197	27.238	27.243	31.876	30.727	1463.7	87.350	.22	-3.37
800.0	809.8	3.261	34.197	3.207	27.220	27.225	31.858	30.939	1463.8	89.411	.18	5.45
850.0	860.5	3.122	34.240	3.065	27.267	27.273	31.909	31.220	1463.3	85.053	.13	3.05
900.0	911.2	3.043	34.249	2.983	27.282	27.288	31.926	31.466	1463.1	83.833	.09	-1.27
950.0	961.9	3.059	34.248	2.995	27.279	27.285	31.923	31.694	1463.2	84.420	.00	8.27

STATION 142



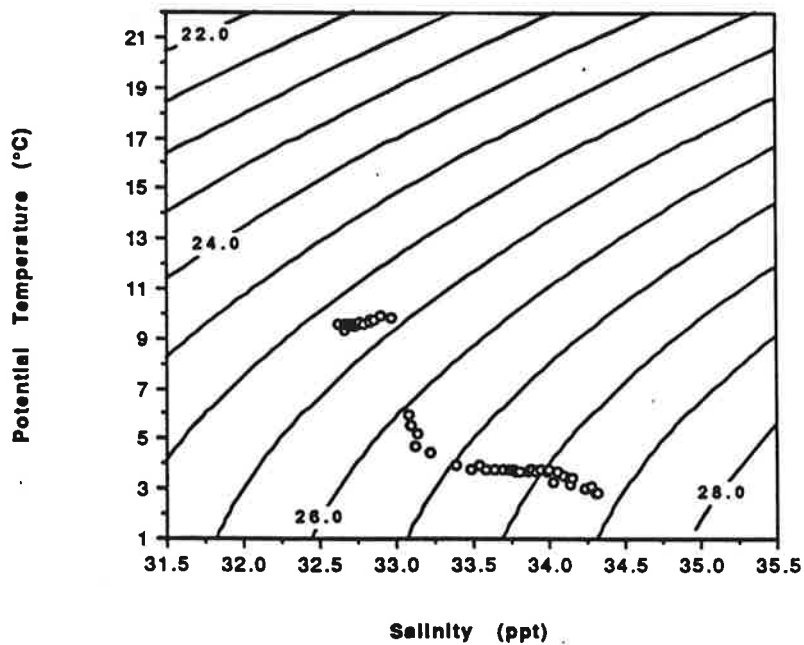
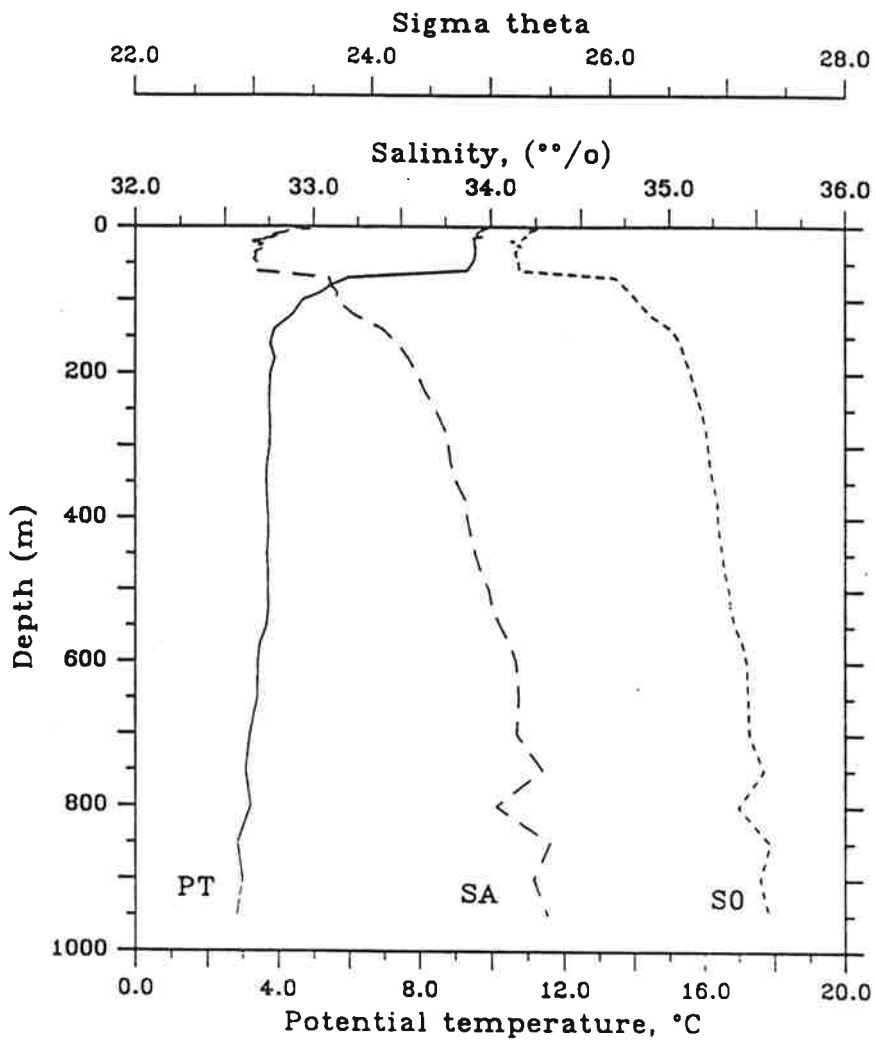
## STATION 143

LATITUDE: 46.6667 N LONGITUDE: 171.0000 W DATE: 1 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIGZ	SOUND	AVOL	DYNH	BVA1
.0	.0	9.909	32.900	9.909	25.328	25.328	29.822	25.328	1486.9	263.584	1.20	.00
2.0	2.0	9.909	32.900	9.909	25.328	25.328	29.822	25.337	1486.9	263.621	1.19	35.43
4.0	4.0	9.797	32.979	9.797	25.408	25.408	29.904	25.426	1486.6	256.047	1.18	-35.42
6.0	6.1	9.708	32.857	9.707	25.328	25.328	29.826	25.355	1486.2	263.690	1.18	-9.70
8.0	8.1	9.653	32.838	9.652	25.322	25.322	29.822	25.358	1485.9	264.297	1.17	-21.47
10.0	10.1	9.595	32.788	9.594	25.292	25.293	29.794	25.338	1485.7	267.128	1.17	-16.49
12.0	12.1	9.612	32.770	9.611	25.275	25.275	29.776	25.330	1485.7	268.814	1.16	18.77
14.0	14.1	9.760	32.829	9.759	25.298	25.298	29.795	25.361	1486.3	266.718	1.16	-21.98
16.0	16.2	9.511	32.738	9.509	25.267	25.267	29.770	25.340	1485.3	269.676	1.15	-13.20
18.0	18.2	9.524	32.727	9.522	25.256	25.256	29.759	25.338	1485.4	270.769	1.15	-37.29
20.0	20.2	9.561	32.621	9.559	25.167	25.167	29.670	25.258	1485.4	279.235	1.14	30.81
22.0	22.2	9.561	32.698	9.558	25.227	25.228	29.730	25.328	1485.5	273.516	1.13	17.69
24.0	24.2	9.541	32.720	9.538	25.247	25.248	29.751	25.357	1485.4	271.653	1.13	-20.49
26.0	26.2	9.551	32.688	9.548	25.221	25.221	29.724	25.340	1485.4	274.234	1.12	25.85
28.0	28.3	9.591	32.750	9.588	25.263	25.264	29.765	25.391	1485.6	270.223	1.12	-18.86
30.0	30.3	9.559	32.715	9.556	25.241	25.241	29.743	25.378	1485.5	272.412	1.11	-15.45
35.0	35.3	9.574	32.669	9.570	25.203	25.203	29.706	25.362	1485.5	276.119	1.11	7.92
40.0	40.4	9.555	32.678	9.551	25.212	25.213	29.716	25.395	1485.4	275.258	1.09	-8.01
45.0	45.4	9.547	32.663	9.542	25.202	25.203	29.706	25.408	1485.4	276.319	1.08	13.83
50.0	50.5	9.492	32.691	9.486	25.233	25.234	29.738	25.461	1485.2	273.505	1.06	3.19
60.0	60.6	9.341	32.664	9.334	25.236	25.237	29.744	25.510	1484.7	273.358	1.05	50.36
70.0	70.6	5.990	33.088	5.984	26.044	26.044	30.619	26.368	1472.4	196.342	1.02	14.37
80.0	80.7	5.504	33.097	5.497	26.110	26.110	30.696	26.481	1470.5	190.125	1.00	14.19
90.0	90.8	5.206	33.135	5.199	26.174	26.174	30.767	26.592	1469.3	184.087	.98	12.59
100.0	100.9	4.708	33.129	4.700	26.224	26.225	30.829	26.690	1467.3	179.289	.96	13.13
120.0	121.1	4.424	33.229	4.416	26.334	26.335	30.945	26.893	1466.3	168.972	.94	17.00
140.0	141.3	3.918	33.396	3.908	26.518	26.519	31.141	27.172	1464.4	151.512	.91	11.15
160.0	161.5	3.806	33.481	3.795	26.597	26.598	31.222	27.345	1464.1	144.120	.87	7.59
180.0	181.7	3.928	33.543	3.916	26.634	26.635	31.256	27.474	1464.7	140.841	.84	8.67
200.0	201.9	3.804	33.587	3.791	26.682	26.684	31.306	27.616	1464.3	136.403	.81	7.10
225.0	227.2	3.783	33.635	3.769	26.722	26.724	31.347	27.773	1464.3	132.779	.79	7.75
250.0	252.4	3.779	33.695	3.762	26.770	26.772	31.395	27.937	1464.4	128.440	.75	6.71
275.0	277.7	3.799	33.743	3.781	26.806	26.808	31.430	28.089	1464.6	125.243	.72	5.02
300.0	302.9	3.783	33.766	3.763	26.826	26.828	31.451	28.225	1464.6	123.522	.69	4.79
325.0	328.2	3.706	33.779	3.684	26.845	26.847	31.471	28.360	1464.3	121.927	.65	5.62
350.0	353.5	3.693	33.809	3.670	26.870	26.872	31.496	28.502	1464.4	119.722	.62	6.95
375.0	378.7	3.713	33.860	3.688	26.908	26.911	31.534	28.656	1464.6	116.288	.59	2.25
400.0	404.0	3.740	33.869	3.713	26.913	26.915	31.538	28.776	1464.7	116.118	.56	4.42
425.0	429.3	3.741	33.888	3.712	26.928	26.931	31.553	28.908	1464.8	114.841	.53	5.45
450.0	454.5	3.705	33.914	3.675	26.952	26.955	31.578	29.047	1464.7	112.768	.50	5.16
475.0	479.8	3.736	33.944	3.703	26.973	26.976	31.599	29.184	1464.9	110.988	.47	6.70
500.0	505.1	3.729	33.988	3.694	27.009	27.012	31.635	29.336	1465.0	107.806	.45	3.89
525.0	530.4	3.737	34.005	3.701	27.021	27.024	31.646	29.463	1465.1	106.873	.42	7.13
550.0	555.7	3.685	34.049	3.647	27.061	27.065	31.688	29.620	1465.0	103.188	.39	8.94
575.0	581.0	3.483	34.104	3.444	27.125	27.129	31.756	29.802	1464.2	97.129	.36	6.40
600.0	606.3	3.424	34.138	3.383	27.158	27.161	31.790	29.951	1464.1	94.164	.34	2.90
650.0	656.9	3.403	34.152	3.359	27.171	27.175	31.805	30.196	1464.1	93.234	.31	2.49
700.0	707.5	3.198	34.140	3.152	27.180	27.185	31.819	30.439	1463.3	92.345	.27	8.84
750.0	758.1	3.079	34.282	3.030	27.305	27.310	31.946	30.796	1463.0	80.800	.22	-11.72
800.0	808.7	3.226	34.025	3.173	27.086	27.091	31.726	30.807	1463.4	101.872	.17	13.08
850.0	859.4	2.856	34.324	2.800	27.358	27.363	32.006	31.316	1462.3	76.002	.13	-7.29
900.0	910.0	2.998	34.234	2.938	27.274	27.279	31.919	31.459	1462.9	84.497	.08	6.90
950.0	960.7	2.832	34.310	2.769	27.349	27.355	31.998	31.768	1462.3	77.370	.00	7.89



STATION 143

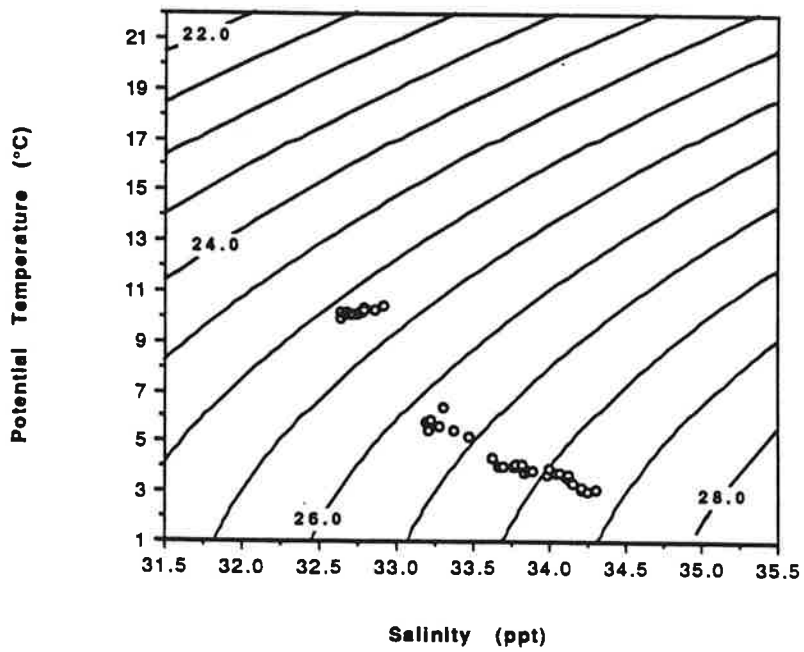
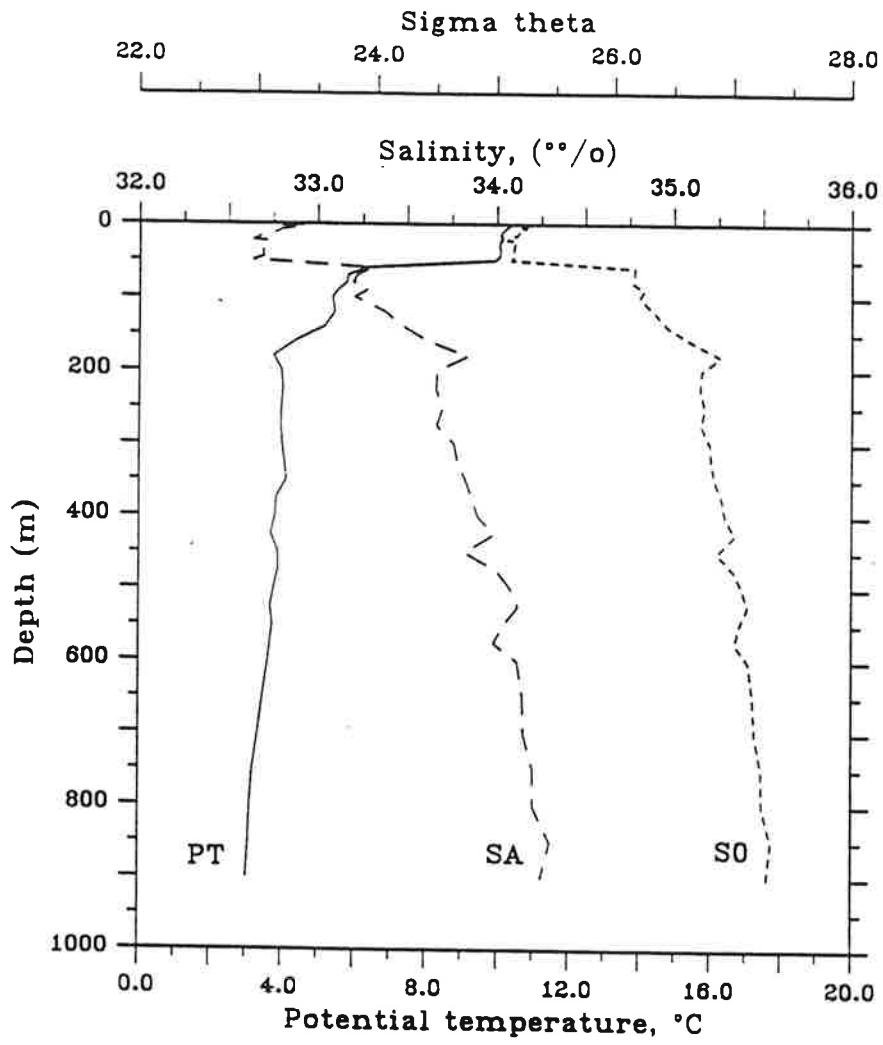


## STATION 148

LATITUDE: 46.8333 N LONGITUDE: 168.0075 W DATE: 2 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	10.367	32.918	10.367	25.265	25.265	29.751	25.265	1488.6	269.528	1.16	.00
2.0	2.0	10.367	32.918	10.367	25.265	25.265	29.751	25.274	1488.6	269.567	1.14	-37.52
4.0	4.0	10.309	32.791	10.308	25.176	25.176	29.663	25.194	1488.2	278.140	1.14	33.67
6.0	6.1	10.234	32.867	10.234	25.248	25.248	29.736	25.275	1488.1	271.303	1.13	-28.38
8.0	8.1	10.215	32.797	10.214	25.197	25.197	29.686	25.233	1487.9	276.226	1.13	4.13
10.0	10.1	10.149	32.784	10.148	25.198	25.198	29.688	25.243	1487.7	276.160	1.12	-14.88
12.0	12.1	10.146	32.765	10.144	25.184	25.184	29.674	25.238	1487.6	277.540	1.11	-12.14
14.0	14.1	10.113	32.746	10.111	25.174	25.174	29.666	25.238	1487.5	278.470	1.11	-10.96
16.0	16.2	10.076	32.729	10.074	25.166	25.167	29.659	25.239	1487.4	279.236	1.10	-29.45
18.0	18.2	10.158	32.675	10.156	25.111	25.111	29.602	25.193	1487.6	284.535	1.10	-7.62
20.0	20.2	10.113	32.661	10.111	25.107	25.108	29.600	25.199	1487.4	284.923	1.09	-19.58
22.0	22.2	10.149	32.637	10.147	25.083	25.083	29.575	25.183	1487.5	287.286	1.09	32.14
24.0	24.2	10.086	32.708	10.084	25.149	25.149	29.642	25.258	1487.4	281.062	1.08	16.65
26.0	26.3	10.072	32.728	10.069	25.167	25.167	29.659	25.285	1487.4	279.418	1.07	-17.55
28.0	28.3	10.065	32.701	10.061	25.147	25.147	29.640	25.274	1487.3	281.323	1.07	-7.13
30.0	30.3	10.053	32.694	10.049	25.144	25.144	29.637	25.280	1487.3	281.668	1.06	-6.59
35.0	35.4	10.084	32.692	10.080	25.137	25.137	29.630	25.296	1487.4	282.423	1.06	-4.00
40.0	40.4	10.088	32.690	10.083	25.134	25.135	29.627	25.316	1487.4	282.760	1.04	7.68
45.0	45.5	10.069	32.698	10.064	25.143	25.144	29.637	25.348	1487.3	281.959	1.03	-12.82
50.0	50.5	9.940	32.637	9.934	25.117	25.118	29.614	25.345	1486.8	284.531	1.01	57.43
60.0	60.6	6.352	33.303	6.346	26.168	26.168	30.734	26.445	1474.1	184.503	1.00	-2.89
70.0	70.7	5.855	33.221	5.849	26.165	26.166	30.743	26.489	1472.0	184.810	.97	-6.25
80.0	80.8	5.815	33.199	5.808	26.153	26.153	30.731	26.523	1471.9	186.101	.96	16.95
90.0	90.9	5.578	33.279	5.571	26.244	26.245	30.828	26.661	1471.0	177.486	.94	-10.99
100.0	101.0	5.424	33.207	5.417	26.205	26.206	30.793	26.670	1470.3	181.214	.92	14.02
120.0	121.3	5.489	33.375	5.479	26.331	26.332	30.917	26.887	1470.8	169.556	.90	13.23
140.0	141.5	5.214	33.476	5.203	26.443	26.444	31.034	27.092	1469.9	159.109	.86	18.03
160.0	161.7	4.386	33.621	4.375	26.650	26.651	31.259	27.395	1466.7	139.409	.83	19.19
180.0	181.9	3.784	33.839	3.772	26.885	26.886	31.507	27.725	1464.5	117.115	.80	-15.66
200.0	202.1	4.008	33.671	3.994	26.728	26.729	31.347	27.661	1465.3	132.165	.77	-3.66
225.0	227.4	4.045	33.662	4.029	26.717	26.719	31.335	27.766	1465.5	133.390	.75	6.63
250.0	252.7	4.004	33.701	3.987	26.752	26.754	31.372	27.918	1465.4	130.257	.72	-5.66
275.0	278.0	3.991	33.667	3.972	26.727	26.729	31.347	28.009	1465.3	132.858	.68	9.51
300.0	303.3	4.024	33.762	4.004	26.799	26.801	31.418	28.197	1465.6	126.267	.65	3.29
325.0	328.6	4.087	33.781	4.064	26.808	26.810	31.425	28.321	1465.9	125.697	.62	6.11
350.0	353.9	4.143	33.826	4.118	26.837	26.840	31.453	28.466	1466.3	123.141	.58	8.55
375.0	379.2	3.859	33.862	3.833	26.896	26.898	31.518	28.642	1465.2	117.617	.55	5.91
400.0	404.5	3.828	33.894	3.800	26.924	26.926	31.547	28.786	1465.1	115.160	.52	10.33
425.0	429.8	3.709	33.986	3.680	27.009	27.011	31.634	28.988	1464.8	107.224	.49	-13.77
450.0	455.1	3.913	33.821	3.882	26.858	26.861	31.479	28.951	1465.5	121.848	.46	13.28
475.0	480.4	3.912	33.998	3.879	26.998	27.002	31.619	29.208	1465.7	108.804	.43	9.58
500.0	505.7	3.798	34.076	3.763	27.071	27.075	31.695	29.397	1465.4	102.000	.40	7.46
525.0	531.0	3.697	34.119	3.661	27.116	27.119	31.741	29.558	1465.1	97.910	.38	-9.50
550.0	556.3	3.751	34.035	3.713	27.044	27.048	31.669	29.602	1465.2	104.934	.35	-6.70
575.0	581.7	3.689	33.982	3.649	27.008	27.012	31.635	29.682	1464.9	108.415	.33	11.79
600.0	607.0	3.624	34.113	3.583	27.119	27.123	31.747	29.909	1464.9	98.107	.30	5.05
650.0	657.6	3.467	34.145	3.423	27.159	27.163	31.791	30.183	1464.3	94.441	.27	3.16
700.0	708.3	3.340	34.150	3.293	27.175	27.179	31.810	30.431	1463.9	93.114	.22	6.02
750.0	759.0	3.195	34.205	3.145	27.232	27.237	31.871	30.722	1463.4	87.810	.18	1.85
800.0	809.7	3.132	34.204	3.079	27.238	27.243	31.878	30.959	1463.2	87.518	.13	7.08
850.0	860.4	3.095	34.300	3.038	27.318	27.323	31.959	31.270	1463.3	80.293	.08	-4.69
900.0	911.1	3.037	34.249	2.977	27.282	27.288	31.926	31.467	1463.1	83.772	.00	8.26

STATION 148

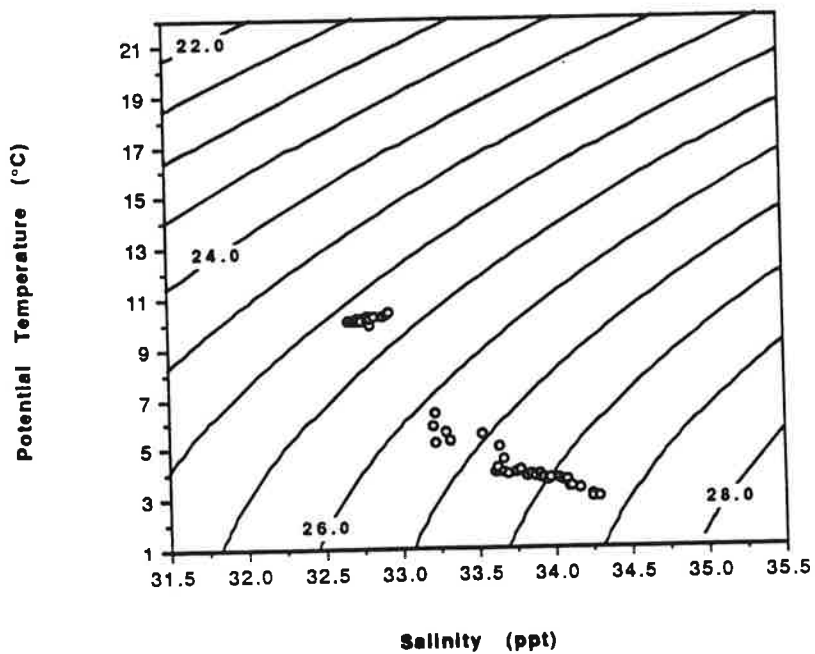
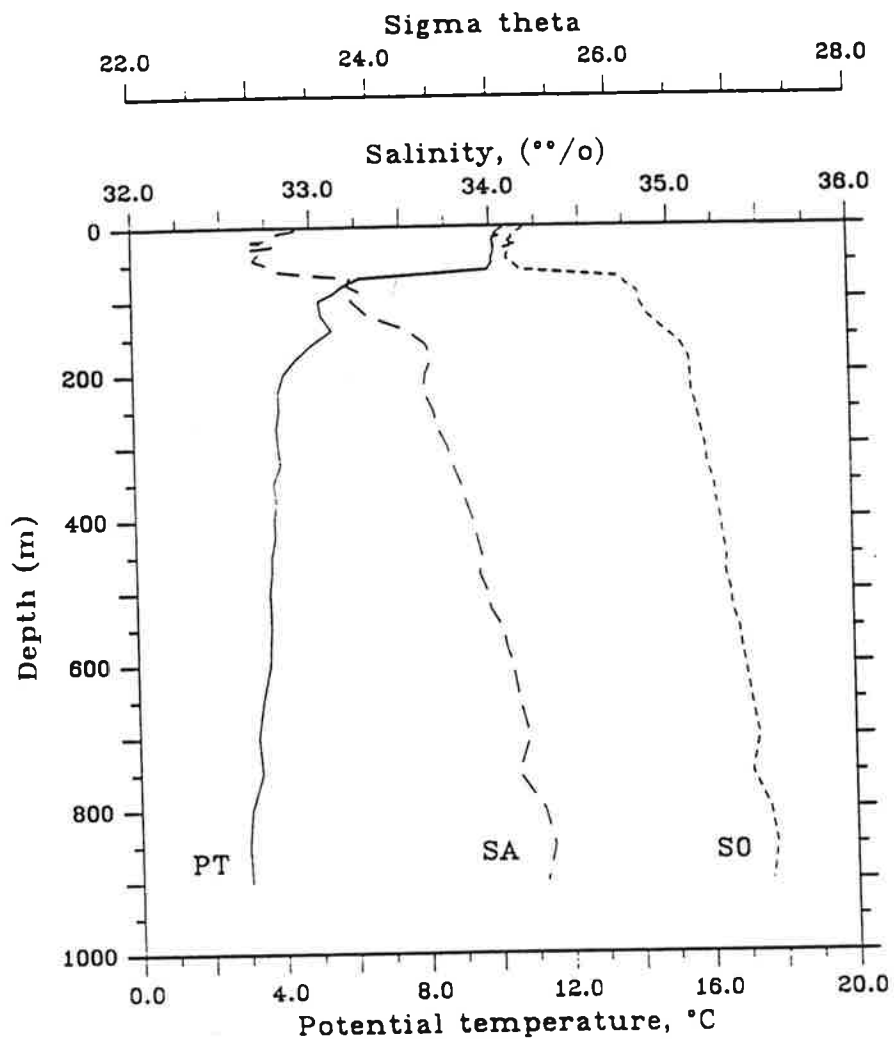


## STATION 149

LATITUDE: 46.5833 N LONGITUDE: 168.0000 W DATE: 2 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	10.380	32.929	10.380	25.271	25.271	29.757	25.271	1488.7	268.955	1.18	.00
2.0	2.0	10.380	32.929	10.380	25.271	25.271	29.757	25.280	1488.7	268.994	1.17	3.17
4.0	4.0	10.338	32.921	10.338	25.272	25.272	29.758	25.290	1488.5	268.973	1.16	-13.25
6.0	6.1	10.257	32.889	10.257	25.261	25.261	29.749	25.288	1488.2	270.076	1.16	-23.62
8.0	8.1	10.208	32.832	10.208	25.225	25.225	29.715	25.262	1487.9	273.498	1.15	-11.91
10.0	10.1	10.169	32.812	10.168	25.216	25.216	29.706	25.262	1487.8	274.396	1.15	-12.53
12.0	12.1	10.128	32.791	10.127	25.206	25.206	29.697	25.261	1487.6	275.386	1.14	-20.53
14.0	14.1	10.268	32.786	10.267	25.179	25.180	29.668	25.243	1488.1	277.982	1.13	9.97
16.0	16.1	10.093	32.757	10.091	25.185	25.186	29.678	25.258	1487.5	277.413	1.13	-7.09
18.0	18.2	10.091	32.752	10.089	25.182	25.183	29.675	25.264	1487.4	277.756	1.12	-29.38
20.0	20.2	10.069	32.677	10.067	25.127	25.128	29.621	25.219	1487.3	283.025	1.12	22.95
22.0	22.2	10.101	32.727	10.098	25.161	25.161	29.653	25.261	1487.5	279.871	1.11	10.56
24.0	24.2	10.085	32.732	10.082	25.168	25.169	29.661	25.277	1487.4	279.231	1.11	28.37
26.0	26.2	10.083	32.798	10.080	25.219	25.220	29.711	25.338	1487.5	274.392	1.10	-27.76
28.0	28.3	10.131	32.745	10.128	25.170	25.171	29.662	25.298	1487.6	279.102	1.09	-28.86
30.0	30.3	10.094	32.669	10.090	25.117	25.118	29.610	25.254	1487.4	284.185	1.09	15.97
35.0	35.3	10.115	32.726	10.111	25.158	25.158	29.650	25.317	1487.5	280.419	1.08	-10.20
40.0	40.4	10.082	32.697	10.077	25.141	25.142	29.635	25.323	1487.4	282.087	1.07	-4.36
45.0	45.4	10.040	32.685	10.035	25.138	25.139	29.632	25.343	1487.2	282.466	1.05	16.42
50.0	50.5	10.062	32.744	10.056	25.181	25.182	29.675	25.409	1487.4	278.478	1.04	14.84
60.0	60.5	9.930	32.806	9.923	25.251	25.252	29.747	25.525	1487.0	271.980	1.03	51.49
70.0	70.6	6.408	33.221	6.402	26.096	26.097	30.661	26.419	1474.2	191.457	1.00	12.36
80.0	80.7	5.911	33.204	5.904	26.145	26.145	30.721	26.515	1472.2	186.882	.97	17.42
90.0	90.8	5.649	33.286	5.642	26.241	26.242	30.823	26.658	1471.3	177.773	.95	2.28
100.0	100.9	5.224	33.225	5.216	26.243	26.243	30.835	26.707	1469.5	177.637	.94	10.17
120.0	121.1	5.285	33.317	5.275	26.309	26.310	30.899	26.866	1469.9	171.600	.92	14.54
140.0	141.3	5.572	33.530	5.561	26.444	26.445	31.027	27.092	1471.4	159.121	.88	15.39
160.0	161.5	4.998	33.637	4.986	26.595	26.596	31.190	27.338	1469.2	144.844	.85	10.62
180.0	181.7	4.550	33.665	4.537	26.666	26.668	31.272	27.504	1467.5	138.070	.82	3.77
200.0	201.9	4.200	33.629	4.186	26.675	26.677	31.290	27.607	1466.0	137.245	.79	2.62
225.0	227.1	4.045	33.616	4.030	26.681	26.682	31.299	27.730	1465.4	136.858	.76	7.29
250.0	252.4	4.050	33.670	4.033	26.723	26.725	31.341	27.888	1465.5	133.061	.73	5.72
275.0	277.6	3.978	33.693	3.959	26.749	26.751	31.369	28.031	1465.3	130.753	.69	6.81
300.0	302.9	4.022	33.745	4.001	26.786	26.788	31.405	28.184	1465.6	127.484	.66	4.46
325.0	328.1	4.077	33.773	4.054	26.802	26.804	31.420	28.315	1465.9	126.225	.63	8.20
350.0	353.4	3.880	33.815	3.856	26.856	26.858	31.478	28.486	1465.2	121.215	.59	4.35
375.0	378.7	3.950	33.843	3.924	26.871	26.873	31.491	28.617	1465.5	120.047	.56	6.48
400.0	403.9	3.887	33.877	3.860	26.904	26.907	31.526	28.767	1465.4	117.032	.53	4.54
425.0	429.2	3.898	33.899	3.869	26.921	26.924	31.542	28.899	1465.5	115.690	.50	6.18
450.0	454.5	3.796	33.924	3.765	26.951	26.954	31.575	29.046	1465.1	112.918	.47	-3.60
475.0	479.7	3.784	33.910	3.751	26.941	26.944	31.566	29.152	1465.1	114.070	.44	7.08
500.0	505.0	3.716	33.951	3.681	26.981	26.984	31.607	29.308	1464.9	110.427	.41	4.01
525.0	530.3	3.734	33.970	3.697	26.993	26.997	31.620	29.436	1465.0	109.429	.38	7.87
550.0	555.6	3.732	34.032	3.694	27.043	27.047	31.669	29.601	1465.2	104.979	.36	4.80
575.0	580.9	3.700	34.051	3.660	27.061	27.065	31.688	29.735	1465.1	103.406	.33	5.87
600.0	606.2	3.674	34.082	3.633	27.089	27.093	31.716	29.879	1465.1	100.983	.30	5.46
650.0	656.7	3.457	34.115	3.412	27.136	27.140	31.768	30.160	1464.3	96.595	.28	5.98
700.0	707.4	3.311	34.169	3.264	27.193	27.197	31.829	30.450	1463.8	91.388	.23	-6.18
750.0	758.0	3.400	34.103	3.348	27.132	27.137	31.767	30.618	1464.2	97.588	.18	9.49
800.0	808.6	3.086	34.245	3.033	27.275	27.280	31.917	30.997	1463.1	83.949	.13	5.59
850.0	859.2	3.005	34.298	2.949	27.325	27.330	31.968	31.279	1462.9	79.463	.08	-5.07
900.0	909.9	3.051	34.252	2.990	27.283	27.289	31.927	31.468	1463.1	83.704	.00	8.40

## STATION 149

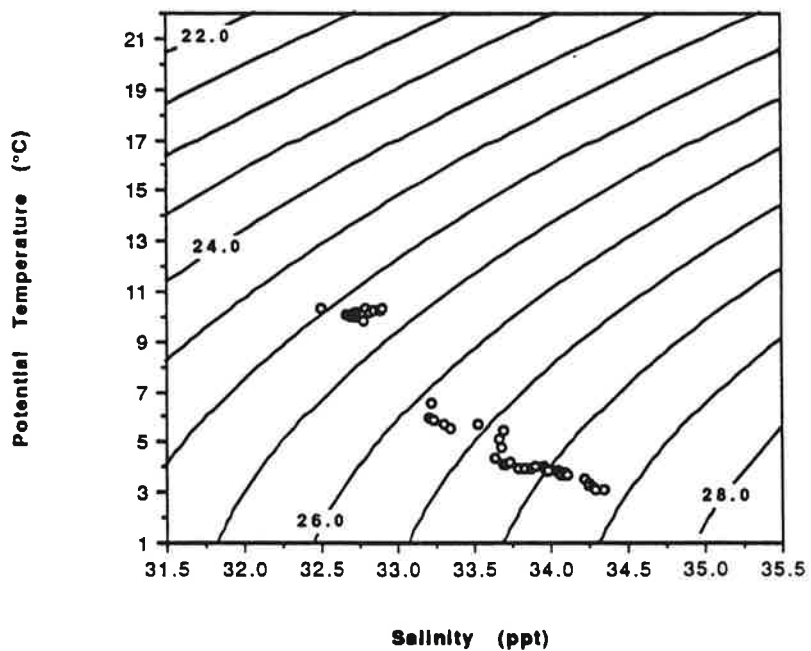
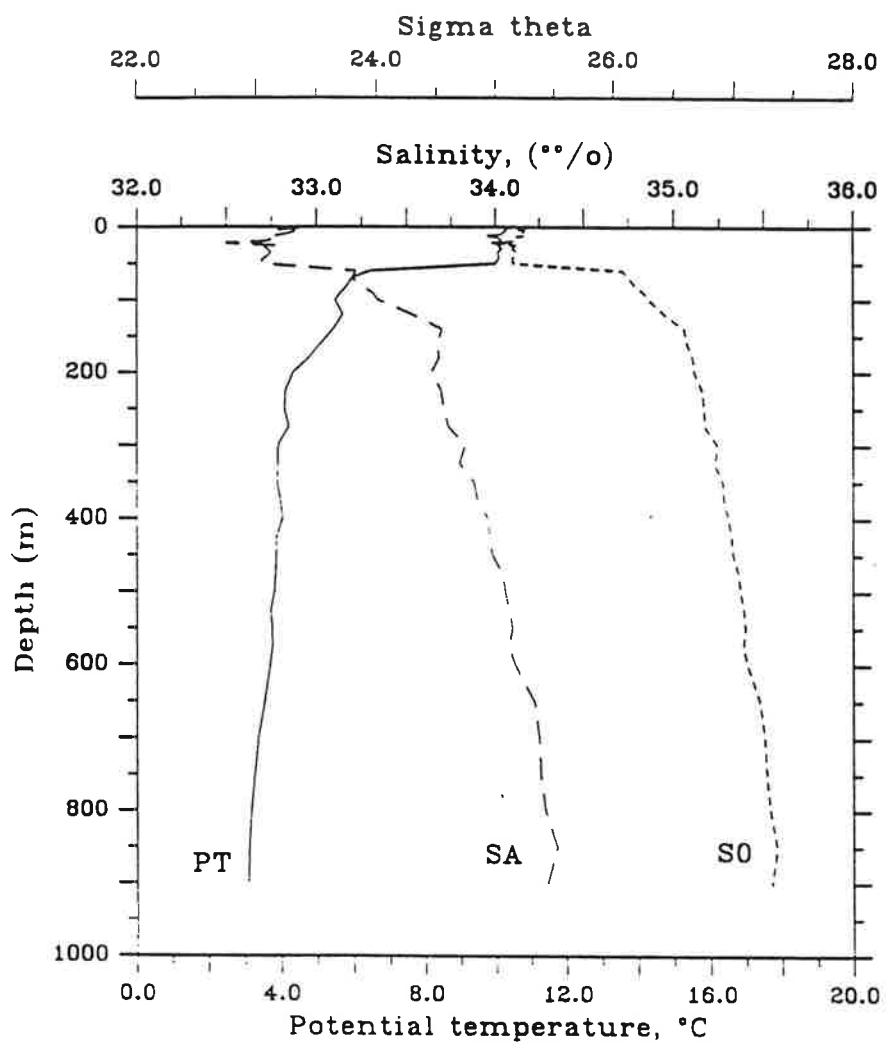


## STATION 150

LATITUDE: 46.3333 N LONGITUDE: 168.0000 W DATE: 2 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIGO	SIG1	SIGZ	SOUND	AVOL	DYNH	BVA1
.0	.0	10.342	32.903	10.342	25.257	25.257	29.743	25.257	1488.5	270.286	1.14	.00
2.0	2.0	10.342	32.903	10.342	25.257	25.257	29.743	25.266	1488.5	270.325	1.12	-35.19
4.0	4.0	10.285	32.789	10.285	25.178	25.178	29.666	25.197	1488.2	277.873	1.11	34.52
6.0	6.0	10.271	32.883	10.270	25.254	25.254	29.742	25.282	1488.2	270.688	1.11	-15.19
8.0	8.1	10.213	32.852	10.212	25.240	25.240	29.729	25.276	1488.0	272.125	1.10	-16.95
10.0	10.1	10.176	32.820	10.175	25.221	25.221	29.711	25.267	1487.8	273.905	1.10	22.05
12.0	12.1	9.800	32.780	9.799	25.252	25.252	29.750	25.307	1486.4	270.989	1.09	-36.08
14.0	14.1	10.018	32.720	10.016	25.169	25.170	29.663	25.233	1487.1	278.922	1.09	-11.96
16.0	16.1	10.122	32.730	10.120	25.160	25.160	29.652	25.233	1487.5	279.831	1.08	10.23
18.0	18.1	10.169	32.749	10.167	25.167	25.167	29.658	25.249	1487.7	279.236	1.08	-18.48
20.0	20.1	10.098	32.706	10.096	25.145	25.145	29.638	25.236	1487.4	281.341	1.07	-54.57
22.0	22.2	10.290	32.504	10.287	24.955	24.956	29.445	25.056	1487.9	299.442	1.06	50.06
24.0	24.2	10.087	32.665	10.085	25.115	25.115	29.608	25.224	1487.3	284.280	1.06	36.15
26.0	26.2	10.124	32.780	10.121	25.198	25.199	29.690	25.317	1487.6	276.400	1.05	-28.16
28.0	28.2	10.106	32.711	10.103	25.148	25.148	29.640	25.275	1487.5	281.243	1.05	-2.65
30.0	30.2	10.182	32.727	10.179	25.147	25.148	29.638	25.284	1487.8	281.328	1.04	15.09
35.0	35.3	10.061	32.747	10.057	25.184	25.184	29.677	25.343	1487.4	277.966	1.04	-11.53
40.0	40.3	10.100	32.728	10.095	25.162	25.163	29.655	25.345	1487.5	280.077	1.02	-10.89
45.0	45.3	10.076	32.699	10.071	25.143	25.144	29.637	25.348	1487.4	281.968	1.01	8.00
50.0	50.4	9.996	32.695	9.990	25.154	25.154	29.649	25.382	1487.1	281.086	.99	53.95
60.0	60.4	6.506	33.218	6.501	26.081	26.081	30.644	26.358	1474.6	192.782	.98	12.91
70.0	70.5	5.984	33.201	5.978	26.134	26.135	30.709	26.458	1472.5	187.791	.95	12.05
80.0	80.6	5.862	33.241	5.855	26.180	26.181	30.757	26.551	1472.1	183.495	.93	15.43
90.0	90.7	5.685	33.310	5.678	26.256	26.257	30.837	26.673	1471.5	176.373	.92	11.70
100.0	100.8	5.526	33.341	5.518	26.300	26.301	30.884	26.763	1470.9	172.314	.90	14.08
120.0	120.9	5.732	33.533	5.722	26.426	26.427	31.005	26.982	1472.0	160.597	.88	15.87
140.0	141.1	5.479	33.697	5.468	26.587	26.588	31.170	27.236	1471.2	145.541	.85	5.88
160.0	161.2	5.128	33.673	5.116	26.609	26.610	31.201	27.351	1469.8	143.558	.81	8.47
180.0	181.4	4.778	33.681	4.765	26.654	26.656	31.255	27.491	1468.4	139.299	.78	4.66
200.0	201.6	4.345	33.639	4.331	26.668	26.670	31.279	27.599	1466.6	137.994	.76	9.02
225.0	226.8	4.134	33.693	4.119	26.733	26.735	31.349	27.781	1465.9	131.974	.73	4.10
250.0	252.0	4.112	33.707	4.095	26.746	26.748	31.363	27.911	1465.8	130.905	.69	3.57
275.0	277.2	4.226	33.735	4.207	26.757	26.758	31.370	28.037	1466.4	130.218	.66	11.52
300.0	302.4	3.935	33.830	3.915	26.862	26.864	31.482	28.260	1465.3	120.248	.63	-5.55
325.0	327.7	3.930	33.799	3.908	26.837	26.840	31.458	28.352	1465.3	122.764	.59	9.12
350.0	352.9	3.911	33.880	3.887	26.904	26.906	31.525	28.534	1465.4	116.687	.56	3.12
375.0	378.1	4.001	33.901	3.975	26.912	26.915	31.531	28.657	1465.8	116.227	.53	7.01
400.0	403.3	4.058	33.958	4.030	26.951	26.954	31.568	28.812	1466.2	112.789	.50	5.48
425.0	428.6	3.892	33.966	3.862	26.975	26.978	31.596	28.953	1465.5	110.586	.47	4.20
450.0	453.8	3.881	33.982	3.849	26.989	26.992	31.611	29.083	1465.5	109.451	.45	7.51
475.0	479.0	3.859	34.036	3.826	27.034	27.037	31.656	29.243	1465.6	105.399	.42	4.60
500.0	504.3	3.829	34.054	3.794	27.051	27.054	31.674	29.376	1465.5	103.979	.39	5.82
525.0	529.5	3.727	34.075	3.691	27.078	27.081	31.703	29.520	1465.1	101.519	.36	3.87
550.0	554.8	3.759	34.094	3.721	27.090	27.094	31.714	29.647	1465.3	100.632	.34	-4.64
575.0	580.0	3.765	34.073	3.725	27.073	27.076	31.698	29.746	1465.4	102.447	.31	6.63
600.0	605.3	3.695	34.108	3.653	27.108	27.112	31.734	29.897	1465.2	99.255	.29	8.14
650.0	655.8	3.536	34.221	3.491	27.213	27.217	31.843	30.235	1464.7	89.497	.26	4.83
700.0	706.3	3.361	34.246	3.313	27.250	27.254	31.885	30.506	1464.1	86.109	.21	3.16
750.0	756.9	3.261	34.254	3.211	27.266	27.271	31.903	30.754	1463.8	84.811	.17	4.33
800.0	807.4	3.179	34.282	3.125	27.295	27.300	31.935	31.016	1463.5	82.215	.12	5.97
850.0	858.0	3.122	34.347	3.065	27.352	27.358	31.993	31.304	1463.5	77.125	.08	-5.10
900.0	908.5	3.096	34.291	3.035	27.311	27.316	31.953	31.494	1463.4	81.271	.00	8.44

## STATION 150



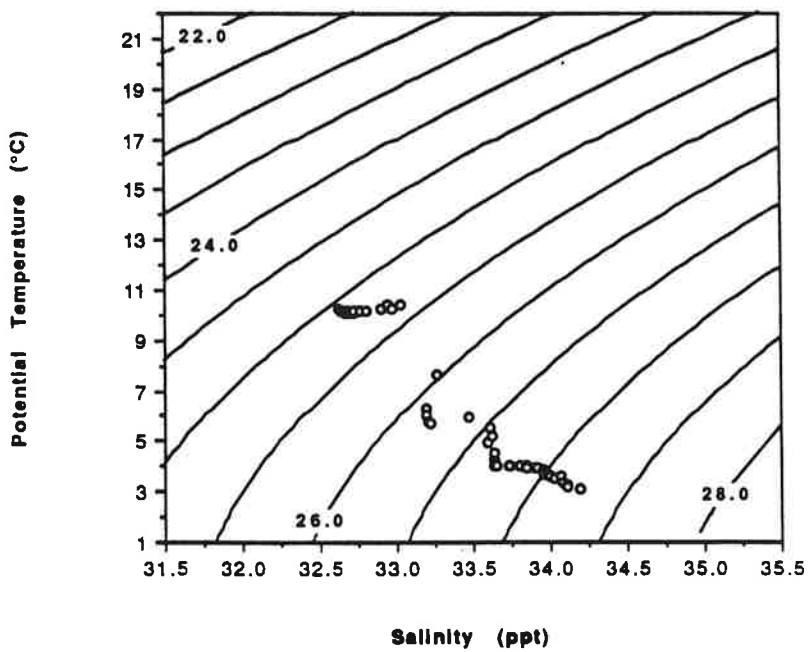
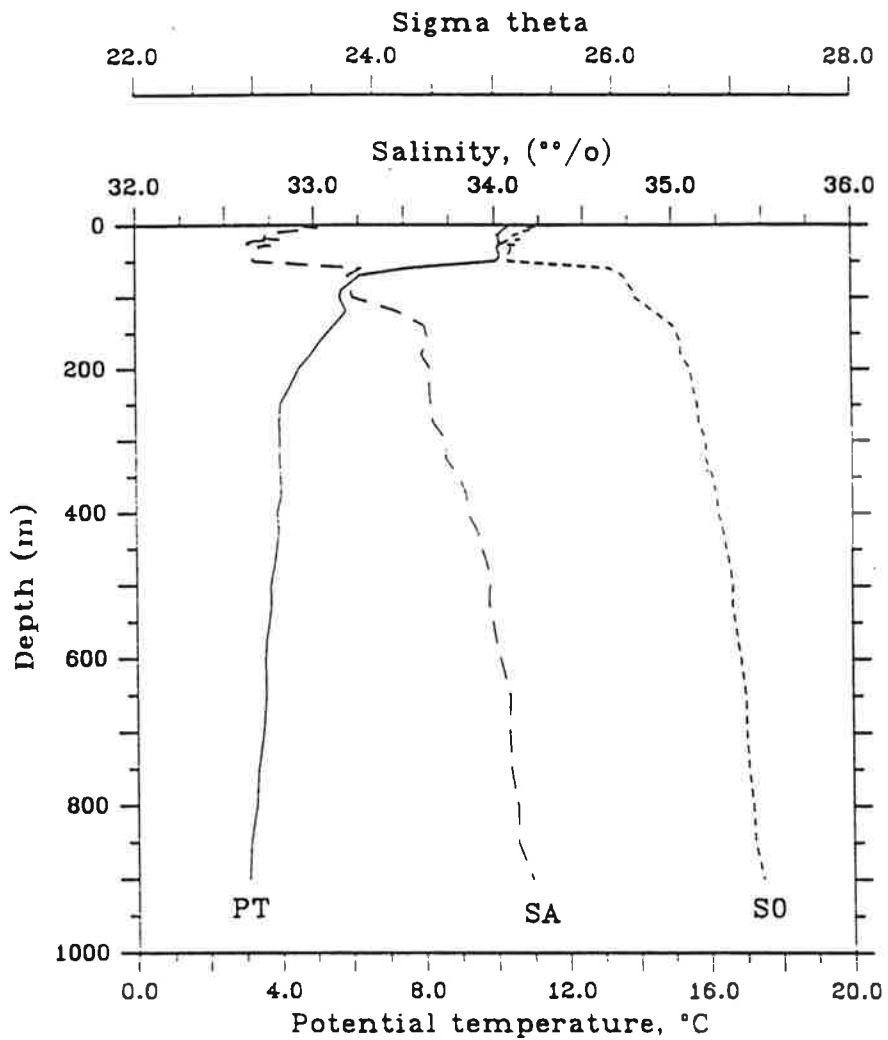
## STATION 151

LATITUDE: 46.0833 N LONGITUDE: 168.0000 W DATE: 2 NOV 1989

DEPTH	PRESS	TEMP	SAL	TNETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYMH	BVA1
.0	.0	10.380	32.943	10.380	25.282	25.282	29.767	25.282	1488.7	267.923	1.21	.00
2.0	2.0	10.380	32.943	10.380	25.282	25.282	29.767	25.291	1488.7	267.962	1.19	33.26
4.0	4.0	10.366	33.030	10.366	25.353	25.353	29.838	25.371	1488.7	261.294	1.19	-23.41
6.0	6.0	10.274	32.965	10.273	25.318	25.318	29.805	25.345	1488.3	264.655	1.18	-26.22
8.0	8.1	10.222	32.898	10.221	25.274	25.274	29.762	25.310	1488.1	268.862	1.18	-32.46
10.0	10.1	10.180	32.803	10.179	25.207	25.207	29.697	25.252	1487.8	275.286	1.17	9.88
12.0	12.1	10.160	32.806	10.158	25.213	25.213	29.704	25.268	1487.7	274.732	1.17	-27.64
14.0	14.1	10.070	32.724	10.068	25.164	25.165	29.657	25.228	1487.3	279.400	1.16	-10.73
16.0	16.1	10.127	32.727	10.125	25.157	25.157	29.649	25.230	1487.5	280.137	1.16	-9.78
18.0	18.1	10.128	32.720	10.126	25.151	25.151	29.643	25.233	1487.5	280.755	1.15	32.72
20.0	20.1	10.137	32.809	10.134	25.219	25.219	29.710	25.310	1487.7	274.303	1.14	-41.71
22.0	22.1	10.133	32.666	10.130	25.108	25.109	29.600	25.208	1487.5	284.889	1.14	-18.65
24.0	24.2	10.128	32.637	10.125	25.086	25.086	29.578	25.195	1487.4	287.034	1.13	-18.84
26.0	26.2	10.211	32.626	10.208	25.063	25.064	29.554	25.182	1487.7	289.228	1.13	42.85
28.0	28.2	10.137	32.760	10.134	25.180	25.181	29.672	25.308	1487.6	278.133	1.12	-26.77
30.0	30.2	10.084	32.690	10.080	25.135	25.135	29.628	25.271	1487.4	282.511	1.12	6.58
35.0	35.2	10.092	32.700	10.088	25.142	25.142	29.634	25.301	1487.4	281.949	1.11	-11.86
40.0	40.3	10.134	32.681	10.130	25.119	25.120	29.612	25.302	1487.6	284.177	1.10	-11.37
45.0	45.3	10.135	32.654	10.130	25.099	25.100	29.591	25.304	1487.5	286.229	1.08	12.54
50.0	50.3	10.035	32.665	10.029	25.124	25.125	29.618	25.352	1487.2	283.932	1.07	51.55
60.0	60.4	7.619	33.270	7.613	25.970	25.971	30.509	26.246	1479.0	203.419	1.05	18.98
70.0	70.5	6.313	33.192	6.307	26.085	26.086	30.652	26.408	1473.8	192.486	1.03	10.27
80.0	80.5	6.051	33.193	6.045	26.118	26.119	30.692	26.489	1472.8	189.374	1.01	11.94
90.0	90.6	5.793	33.210	5.786	26.164	26.165	30.743	26.581	1471.8	185.130	.99	6.35
100.0	100.7	5.734	33.217	5.726	26.177	26.178	30.757	26.640	1471.6	184.012	.97	16.49
120.0	120.8	5.920	33.465	5.910	26.350	26.352	30.926	26.906	1472.7	167.841	.95	15.84
140.0	140.9	5.563	33.613	5.552	26.510	26.512	31.093	27.159	1471.5	152.819	.91	9.17
160.0	161.1	5.210	33.628	5.198	26.564	26.565	31.154	27.306	1470.1	147.848	.88	3.44
180.0	181.2	4.912	33.595	4.898	26.571	26.573	31.169	27.407	1468.9	147.233	.85	11.00
200.0	201.4	4.554	33.642	4.540	26.648	26.650	31.254	27.579	1467.5	139.971	.82	5.31
225.0	226.5	4.304	33.637	4.288	26.671	26.672	31.283	27.718	1466.5	137.948	.79	6.64
250.0	251.7	4.024	33.645	4.007	26.706	26.707	31.325	27.871	1465.4	134.688	.76	4.11
275.0	276.9	3.996	33.658	3.977	26.719	26.721	31.339	28.001	1465.3	133.599	.72	8.64
300.0	302.1	4.003	33.734	3.983	26.779	26.781	31.398	28.176	1465.5	128.178	.69	-2.01
325.0	327.3	4.007	33.730	3.984	26.775	26.778	31.395	28.289	1465.5	128.684	.65	8.39
350.0	352.5	4.025	33.803	4.001	26.831	26.834	31.450	28.461	1465.8	123.599	.62	5.97
375.0	377.7	4.045	33.841	4.018	26.860	26.863	31.478	28.605	1465.9	121.135	.59	4.54
400.0	402.9	3.927	33.847	3.899	26.876	26.879	31.498	28.739	1465.5	119.687	.56	6.71
425.0	428.1	3.967	33.897	3.937	26.913	26.915	31.532	28.890	1465.8	116.539	.53	5.77
450.0	453.3	3.907	33.923	3.876	26.939	26.942	31.560	29.032	1465.6	114.186	.50	6.38
475.0	478.5	3.832	33.954	3.799	26.971	26.975	31.595	29.181	1465.3	111.250	.47	4.82
500.0	503.7	3.727	33.964	3.693	26.990	26.993	31.616	29.317	1465.0	109.586	.44	-2.52
525.0	529.0	3.737	33.959	3.701	26.985	26.988	31.611	29.427	1465.0	110.263	.41	5.34
550.0	554.2	3.681	33.981	3.643	27.007	27.011	31.635	29.566	1464.9	108.249	.38	5.23
575.0	579.4	3.595	33.997	3.556	27.029	27.033	31.659	29.705	1464.6	106.280	.35	5.43
600.0	604.6	3.560	34.023	3.519	27.052	27.056	31.683	29.844	1464.5	104.204	.33	4.96
650.0	655.1	3.567	34.073	3.522	27.092	27.096	31.722	30.114	1464.7	100.894	.30	1.81
700.0	705.6	3.488	34.070	3.440	27.097	27.102	31.730	30.352	1464.4	100.647	.25	3.45
750.0	756.0	3.350	34.076	3.299	27.116	27.120	31.752	30.603	1463.9	99.001	.20	4.57
800.0	806.5	3.299	34.112	3.245	27.149	27.154	31.787	30.868	1463.8	96.132	.15	3.10
850.0	857.0	3.144	34.113	3.086	27.164	27.169	31.806	31.117	1463.3	94.740	.10	6.57
900.0	907.6	3.092	34.193	3.031	27.233	27.238	31.875	31.416	1463.2	88.525	.00	8.31



## STATION 151

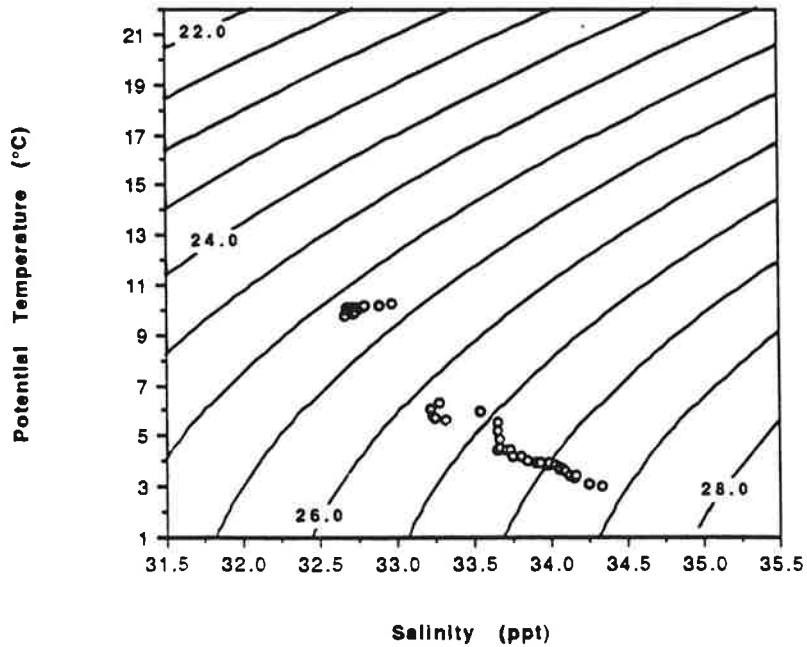
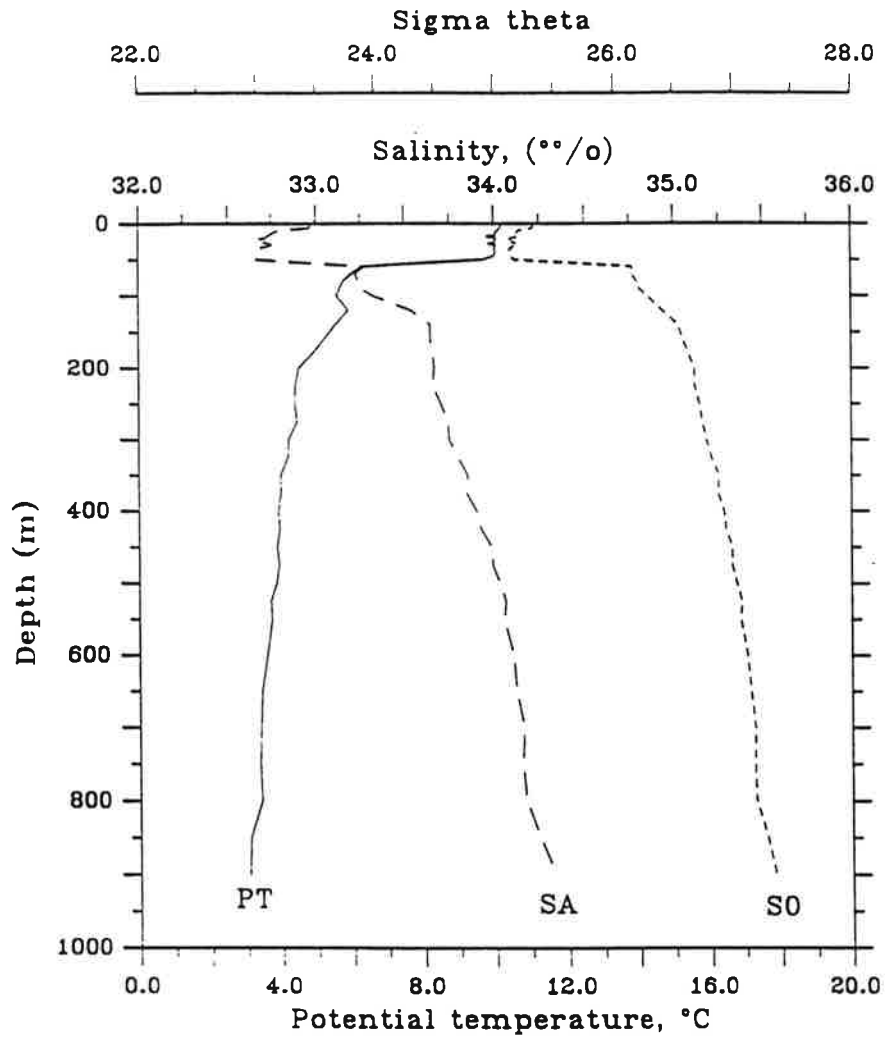


## STATION 152

LATITUDE: 45.8414 N LONGITUDE: 167.9900 W DATE: 2 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	10.208	32.969	10.208	25.332	25.332	29.820	25.332	1488.1	263.164	1.17	.00
2.0	2.0	10.208	32.969	10.207	25.332	25.332	29.820	25.341	1488.1	263.203	1.15	.25
4.0	4.0	10.208	32.969	10.207	25.332	25.332	29.820	25.350	1488.1	263.241	1.15	.25
6.0	6.1	10.208	32.969	10.207	25.332	25.332	29.820	25.360	1488.1	263.280	1.14	-28.21
8.0	8.1	10.158	32.894	10.157	25.281	25.282	29.771	25.318	1487.8	268.144	1.14	-34.34
10.0	10.1	10.130	32.791	10.129	25.206	25.206	29.697	25.252	1487.6	275.330	1.13	2.63
12.0	12.1	10.049	32.774	10.047	25.207	25.207	29.699	25.261	1487.3	275.325	1.13	-16.21
14.0	14.1	10.081	32.760	10.079	25.190	25.190	29.682	25.254	1487.4	276.957	1.12	-10.73
16.0	16.1	10.043	32.742	10.041	25.183	25.183	29.676	25.256	1487.3	277.692	1.11	20.07
18.0	18.1	9.815	32.727	9.813	25.208	25.209	29.706	25.290	1486.4	275.280	1.11	-26.76
20.0	20.2	10.069	32.722	10.067	25.163	25.163	29.656	25.254	1487.3	279.668	1.10	-21.53
22.0	22.2	10.066	32.684	10.064	25.133	25.133	29.626	25.233	1487.3	282.516	1.10	26.63
24.0	24.2	10.040	32.736	10.038	25.178	25.179	29.672	25.288	1487.3	278.253	1.09	-19.29
26.0	26.2	10.039	32.705	10.036	25.154	25.155	29.648	25.273	1487.2	280.547	1.09	30.09
28.0	28.2	9.866	32.743	9.863	25.212	25.213	29.709	25.340	1486.6	275.089	1.08	-19.55
30.0	30.2	10.078	32.757	10.074	25.188	25.188	29.681	25.325	1487.4	277.453	1.07	-17.55
35.0	35.3	10.026	32.682	10.022	25.139	25.139	29.633	25.298	1487.2	282.211	1.07	3.00
40.0	40.3	10.054	32.690	10.050	25.140	25.141	29.634	25.323	1487.3	282.171	1.05	7.09
45.0	45.4	10.010	32.691	10.005	25.148	25.149	29.643	25.353	1487.1	281.501	1.04	12.79
50.0	50.4	9.726	32.665	9.720	25.174	25.175	29.675	25.402	1486.1	279.091	1.03	55.42
60.0	60.5	6.308	33.277	6.303	26.153	26.153	30.720	26.430	1473.9	185.934	1.01	-3.71
70.0	70.6	6.009	33.224	6.003	26.148	26.149	30.722	26.472	1472.6	186.433	.99	11.69
80.0	80.7	5.775	33.243	5.769	26.192	26.192	30.771	26.562	1471.8	182.375	.97	8.01
90.0	90.7	5.677	33.253	5.670	26.212	26.213	30.794	26.629	1471.4	180.531	.95	14.57
100.0	100.8	5.585	33.325	5.577	26.280	26.281	30.863	26.743	1471.1	174.203	.93	14.15
120.0	121.0	5.924	33.539	5.914	26.408	26.409	30.982	26.963	1472.8	162.399	.91	14.32
140.0	141.2	5.549	33.646	5.538	26.538	26.540	31.121	27.187	1471.5	150.148	.88	7.77
160.0	161.3	5.225	33.647	5.213	26.577	26.578	31.167	27.319	1470.2	146.617	.85	8.68
180.0	181.5	4.899	33.660	4.885	26.625	26.626	31.222	27.461	1468.9	142.156	.82	8.60
200.0	201.7	4.520	33.667	4.506	26.672	26.673	31.278	27.602	1467.4	137.728	.79	2.25
225.0	226.9	4.416	33.658	4.399	26.676	26.677	31.285	27.723	1467.0	137.522	.76	6.85
250.0	252.1	4.402	33.703	4.384	26.713	26.715	31.323	27.876	1467.0	134.203	.72	5.52
275.0	277.3	4.466	33.743	4.446	26.737	26.740	31.346	28.016	1467.4	132.165	.69	6.23
300.0	302.6	4.229	33.750	4.207	26.768	26.771	31.382	28.164	1466.5	129.315	.65	7.22
325.0	327.8	4.213	33.800	4.190	26.810	26.812	31.424	28.322	1466.5	125.590	.62	8.92
350.0	353.0	4.007	33.853	3.983	26.873	26.876	31.492	28.503	1465.7	119.665	.59	-2.76
375.0	378.3	4.011	33.846	3.985	26.867	26.870	31.486	28.612	1465.8	120.448	.56	8.01
400.0	403.5	3.938	33.901	3.911	26.918	26.921	31.539	28.780	1465.6	115.762	.53	4.55
425.0	428.8	3.971	33.926	3.941	26.935	26.938	31.555	28.912	1465.8	114.435	.50	8.26
450.0	454.0	3.892	33.984	3.860	26.989	26.992	31.611	29.083	1465.6	109.433	.47	-1.37
475.0	479.3	3.949	33.990	3.916	26.988	26.991	31.608	29.197	1465.9	109.834	.44	7.14
500.0	504.5	3.869	34.031	3.834	27.028	27.032	31.651	29.354	1465.6	106.126	.41	7.18
525.0	529.8	3.710	34.062	3.674	27.069	27.073	31.695	29.512	1465.1	102.278	.38	-3.55
550.0	555.0	3.732	34.052	3.693	27.059	27.063	31.685	29.617	1465.2	103.441	.36	5.91
575.0	580.3	3.662	34.078	3.622	27.087	27.091	31.715	29.762	1465.0	100.926	.33	5.81
600.0	605.6	3.585	34.103	3.543	27.114	27.118	31.743	29.905	1464.7	98.484	.30	4.25
650.0	656.1	3.423	34.119	3.379	27.143	27.147	31.776	30.167	1464.1	95.916	.28	4.64
700.0	706.6	3.393	34.159	3.345	27.177	27.181	31.811	30.433	1464.1	93.002	.23	-1.77
750.0	757.2	3.368	34.149	3.316	27.172	27.177	31.807	30.659	1464.1	93.782	.18	2.69
800.0	807.8	3.414	34.169	3.359	27.184	27.189	31.818	30.900	1464.4	93.128	.13	7.61
850.0	858.3	3.079	34.245	3.022	27.275	27.281	31.918	31.229	1463.2	84.207	.09	6.60
900.0	908.9	3.052	34.329	2.991	27.345	27.350	31.988	31.528	1463.2	77.991	.00	8.49

STATION 152

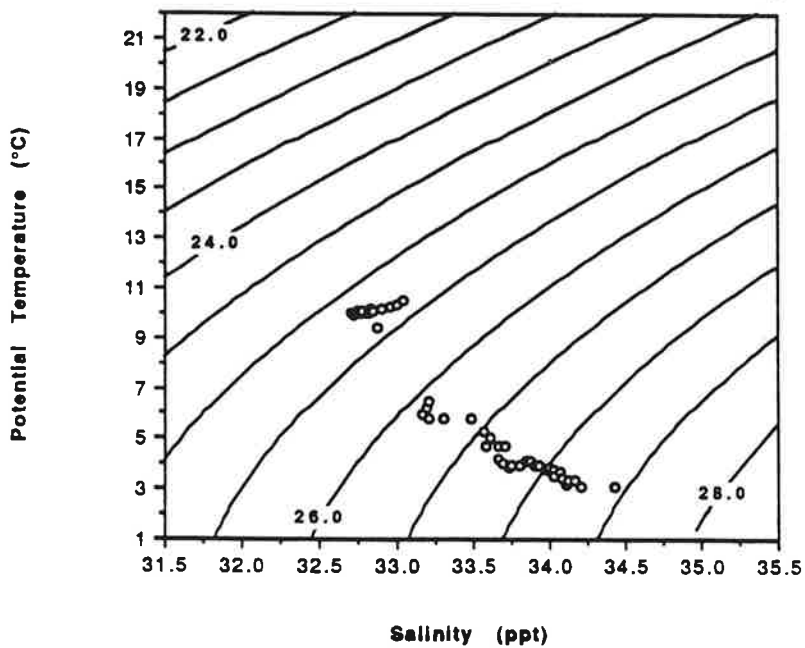
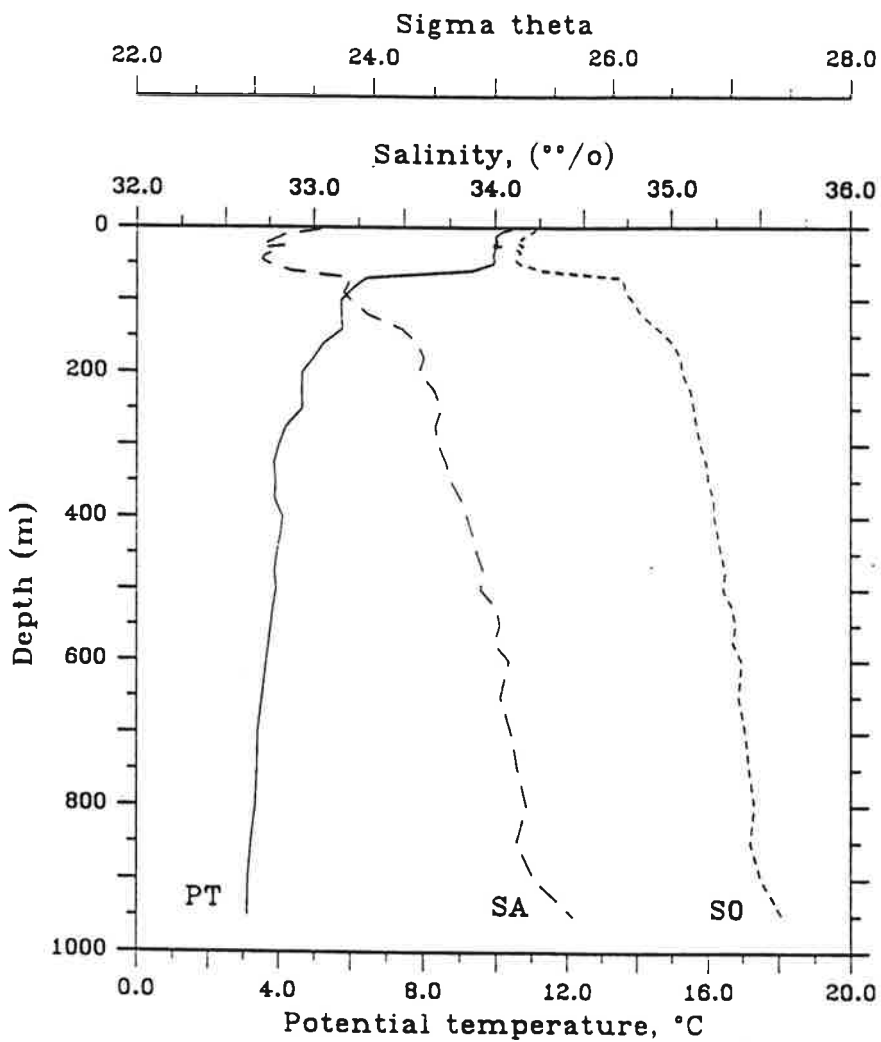


## STATION 153

LATITUDE: 45.5833 N LONGITUDE: 167.9833 W DATE: 2 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	10.464	33.040	10.464	25.344	25.344	29.826	25.344	1489.1	262.078	1.26	.00
2.0	2.0	10.464	33.040	10.464	25.344	25.344	29.826	25.353	1489.1	262.118	1.25	-11.62
4.0	4.0	10.359	33.006	10.359	25.335	25.335	29.820	25.353	1488.7	262.976	1.24	-13.65
6.0	6.0	10.205	32.957	10.204	25.323	25.323	29.812	25.351	1488.1	264.143	1.24	-20.58
8.0	8.1	10.143	32.909	10.142	25.296	25.296	29.786	25.333	1487.8	266.748	1.23	-25.20
10.0	10.1	10.083	32.845	10.082	25.256	25.256	29.747	25.301	1487.5	270.636	1.23	-11.84
12.0	12.1	10.025	32.821	10.024	25.247	25.247	29.740	25.301	1487.3	271.522	1.22	-.98
14.0	14.1	10.005	32.816	10.003	25.247	25.247	29.740	25.310	1487.2	271.566	1.22	-22.03
16.0	16.1	10.033	32.782	10.031	25.216	25.216	29.709	25.289	1487.3	274.547	1.21	6.48
18.0	18.1	10.001	32.779	9.999	25.218	25.219	29.712	25.300	1487.2	274.329	1.20	-23.03
20.0	20.1	10.079	32.752	10.077	25.185	25.185	29.677	25.276	1487.4	277.585	1.20	-6.35
22.0	22.1	10.026	32.738	10.024	25.182	25.182	29.676	25.282	1487.2	277.865	1.19	20.65
24.0	24.2	9.949	32.756	9.946	25.209	25.210	29.704	25.319	1486.9	275.315	1.19	20.55
26.0	26.2	10.172	32.839	10.170	25.236	25.237	29.726	25.354	1487.9	272.803	1.18	-25.03
28.0	28.2	9.960	32.742	9.957	25.196	25.197	29.691	25.324	1487.0	276.628	1.18	-19.35
30.0	30.2	9.997	32.719	9.994	25.172	25.173	29.667	25.309	1487.1	278.936	1.17	15.92
35.0	35.2	9.973	32.766	9.969	25.213	25.213	29.707	25.372	1487.1	275.188	1.16	-13.38
40.0	40.3	9.946	32.723	9.941	25.184	25.185	29.680	25.366	1486.9	277.992	1.15	-9.71
45.0	45.3	9.979	32.711	9.974	25.169	25.170	29.664	25.374	1487.0	279.516	1.14	13.66
50.0	50.3	9.968	32.747	9.963	25.199	25.200	29.694	25.427	1487.0	276.781	1.12	24.86
60.0	60.4	9.366	32.873	9.359	25.396	25.397	29.902	25.670	1485.0	258.182	1.11	46.17
70.0	70.5	6.487	33.207	6.481	26.075	26.076	30.639	26.398	1474.5	193.467	1.08	8.59
80.0	80.5	6.196	33.190	6.190	26.098	26.099	30.669	26.468	1473.4	191.314	1.06	5.26
90.0	90.6	5.982	33.167	5.974	26.107	26.108	30.683	26.524	1472.5	190.560	1.04	13.43
100.0	100.7	5.767	33.207	5.759	26.164	26.165	30.745	26.628	1471.7	185.178	1.02	10.86
120.0	120.8	5.771	33.303	5.761	26.240	26.241	30.819	26.795	1471.9	178.276	1.00	15.11
140.0	140.9	5.798	33.491	5.786	26.385	26.387	30.963	27.033	1472.3	164.712	.96	14.13
160.0	161.1	5.271	33.572	5.258	26.513	26.514	31.102	27.255	1470.3	152.710	.93	9.67
180.0	181.2	4.997	33.608	4.984	26.572	26.574	31.168	27.408	1469.2	147.169	.89	4.64
200.0	201.4	4.686	33.582	4.671	26.586	26.587	31.189	27.516	1468.0	145.939	.86	9.31
225.0	226.5	4.662	33.665	4.646	26.655	26.657	31.258	27.701	1468.0	139.633	.83	5.94
250.0	251.7	4.685	33.704	4.666	26.683	26.685	31.286	27.844	1468.2	137.221	.80	5.58
275.0	276.9	4.220	33.672	4.200	26.708	26.709	31.322	27.988	1466.3	134.836	.76	6.39
300.0	302.1	4.024	33.688	4.004	26.740	26.742	31.359	28.138	1465.5	131.841	.73	7.71
325.0	327.3	3.884	33.729	3.862	26.787	26.790	31.410	28.302	1465.0	127.468	.69	4.62
350.0	352.5	3.926	33.756	3.902	26.804	26.807	31.426	28.435	1465.3	126.087	.66	7.51
375.0	377.7	3.911	33.811	3.885	26.849	26.852	31.471	28.596	1465.3	122.028	.63	2.42
400.0	402.9	4.134	33.846	4.106	26.854	26.857	31.471	28.714	1466.3	121.979	.60	6.21
425.0	428.1	4.071	33.876	4.041	26.885	26.888	31.503	28.861	1466.2	119.230	.57	5.96
450.0	453.3	3.969	33.898	3.937	26.913	26.916	31.533	29.006	1465.8	116.671	.54	6.58
475.0	478.5	3.905	33.934	3.871	26.948	26.951	31.569	29.157	1465.6	113.561	.51	-4.61
500.0	503.7	3.948	33.918	3.913	26.931	26.934	31.552	29.255	1465.8	115.406	.48	9.87
525.0	529.0	3.861	34.004	3.824	27.008	27.012	31.631	29.449	1465.6	108.209	.45	5.31
550.0	554.2	3.796	34.024	3.758	27.031	27.034	31.655	29.588	1465.4	106.217	.42	-5.05
575.0	579.4	3.733	33.991	3.693	27.010	27.014	31.636	29.684	1465.1	108.240	.39	9.64
600.0	604.6	3.660	34.075	3.619	27.084	27.088	31.712	29.875	1465.0	101.371	.36	-4.10
650.0	655.1	3.542	34.026	3.498	27.057	27.062	31.689	30.080	1464.5	104.092	.34	6.13
700.0	705.6	3.407	34.085	3.359	27.117	27.122	31.751	30.373	1464.1	98.631	.28	4.33
750.0	756.0	3.391	34.121	3.340	27.147	27.152	31.782	30.634	1464.2	96.147	.23	5.24
800.0	806.5	3.351	34.171	3.296	27.191	27.196	31.827	30.908	1464.1	92.333	.18	-4.54
850.0	857.0	3.225	34.114	3.168	27.157	27.163	31.797	31.109	1463.6	95.512	.14	7.44
900.0	907.6	3.136	34.215	3.075	27.246	27.251	31.888	31.428	1463.4	87.416	.09	10.43
950.0	958.1	3.112	34.430	3.047	27.420	27.426	32.061	31.831	1463.7	71.494	.00	8.31

STATION 153

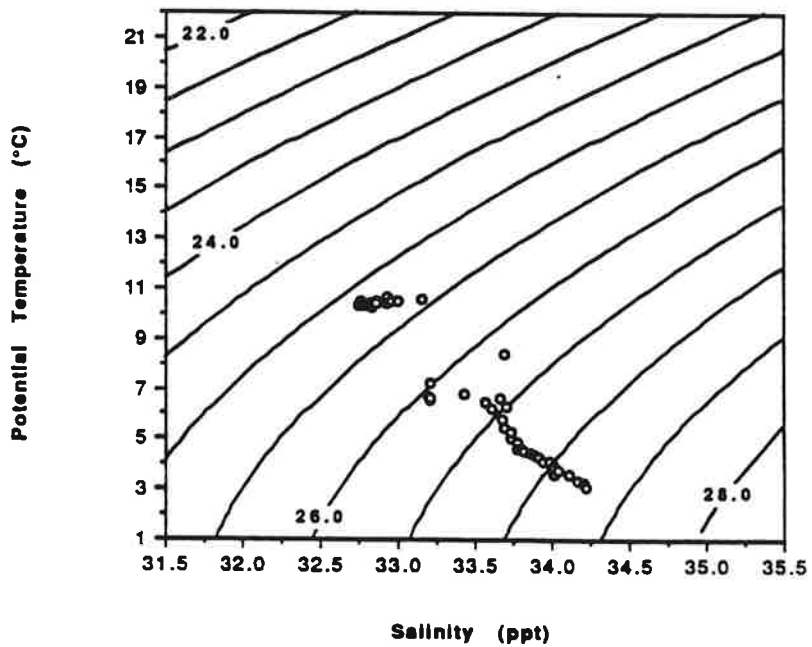
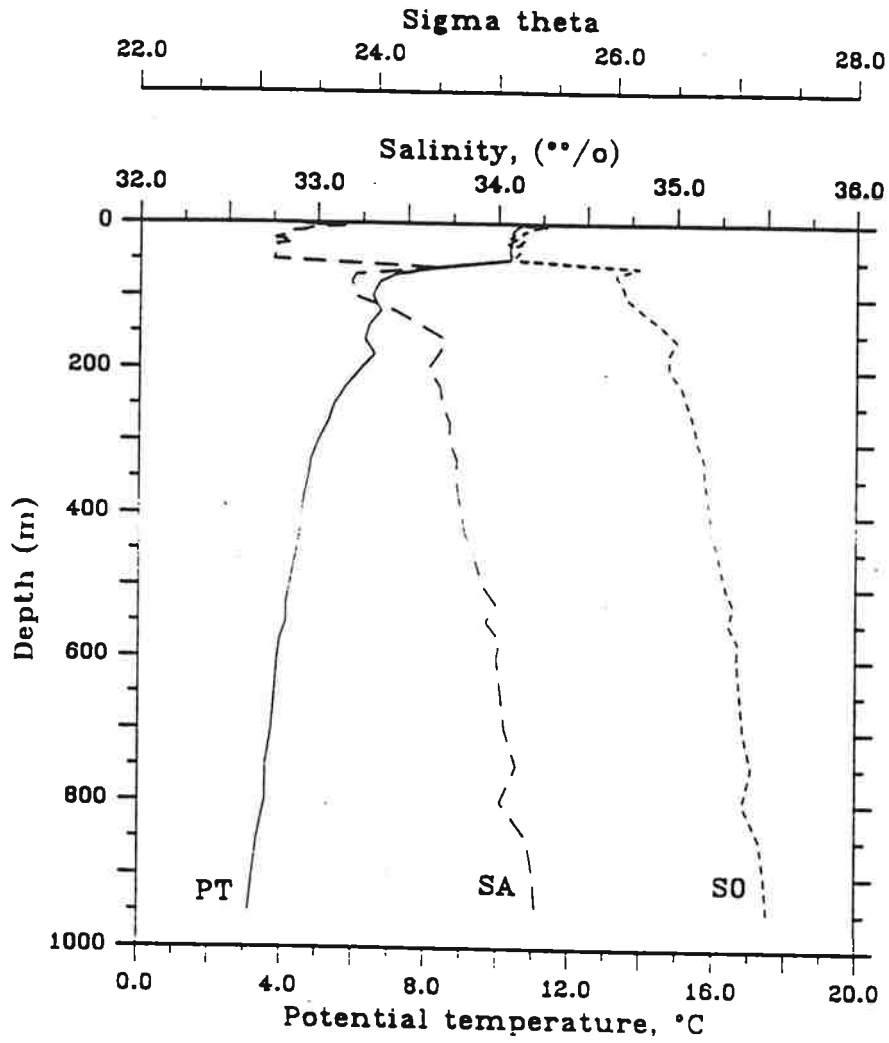


## STATION 157

LATITUDE: 44.5000 N LONGITUDE: 167.9928 W DATE: 3 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIGO	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	10.639	32.926	10.639	25.225	25.225	29.705	25.225	1489.6	273.389	1.32	.00
2.0	2.0	10.639	32.926	10.639	25.225	25.225	29.705	25.234	1489.6	273.429	1.30	53.64
4.0	4.0	10.587	33.150	10.587	25.408	25.408	29.888	25.426	1489.7	256.028	1.30	-39.06
6.0	6.1	10.488	33.003	10.487	25.311	25.311	29.794	25.338	1489.2	265.317	1.29	-23.85
8.0	8.1	10.480	32.955	10.479	25.274	25.275	29.758	25.311	1489.1	268.805	1.29	-10.77
10.0	10.1	10.418	32.932	10.417	25.267	25.267	29.752	25.313	1488.8	269.547	1.28	-31.92
12.0	12.1	10.401	32.845	10.400	25.202	25.202	29.688	25.257	1488.7	275.762	1.27	5.30
14.0	14.1	10.371	32.841	10.369	25.204	25.204	29.690	25.268	1488.6	275.630	1.27	-6.61
16.0	16.1	10.453	32.855	10.451	25.201	25.201	29.686	25.274	1488.9	275.937	1.26	-15.36
18.0	18.1	10.381	32.820	10.379	25.186	25.187	29.673	25.268	1488.6	277.403	1.26	-18.68
20.0	20.2	10.304	32.775	10.302	25.164	25.164	29.652	25.255	1488.2	279.555	1.25	-26.93
22.0	22.2	10.508	32.760	10.505	25.118	25.118	29.602	25.218	1489.0	283.999	1.25	39.48
24.0	24.2	10.372	32.858	10.370	25.217	25.218	29.704	25.326	1488.6	274.585	1.24	-23.42
26.0	26.2	10.359	32.810	10.356	25.182	25.183	29.669	25.301	1488.5	277.947	1.23	24.70
28.0	28.2	10.258	32.838	10.255	25.221	25.221	29.710	25.348	1488.2	274.284	1.23	-34.15
30.0	30.3	10.358	32.764	10.355	25.147	25.147	29.634	25.283	1488.4	281.395	1.22	14.95
35.0	35.3	10.316	32.801	10.312	25.182	25.183	29.670	25.342	1488.3	278.102	1.22	-4.91
40.0	40.3	10.311	32.795	10.306	25.178	25.179	29.667	25.361	1488.3	278.564	1.20	-14.91
45.0	45.4	10.354	32.759	10.349	25.143	25.144	29.631	25.348	1488.4	282.034	1.19	1.46
50.0	50.4	10.317	32.751	10.312	25.143	25.144	29.632	25.371	1488.3	282.095	1.17	57.18
60.0	60.5	8.413	33.692	8.407	26.185	26.186	30.704	26.460	1482.5	183.147	1.16	-24.86
70.0	70.6	7.183	33.214	7.177	25.987	25.988	30.536	26.310	1477.2	201.858	1.14	10.95
80.0	80.7	6.749	33.188	6.742	26.026	26.027	30.584	26.395	1475.5	198.304	1.12	10.31
90.0	90.8	6.629	33.211	6.621	26.059	26.060	30.620	26.475	1475.1	195.199	1.10	5.18
100.0	100.9	6.540	33.207	6.531	26.068	26.069	30.631	26.530	1474.8	194.501	1.08	15.02
120.0	121.0	6.763	33.427	6.752	26.212	26.213	30.769	26.765	1476.0	181.171	1.06	15.80
140.0	141.2	6.445	33.576	6.433	26.371	26.373	30.934	27.017	1474.9	166.272	1.02	13.94
160.0	161.4	6.321	33.713	6.307	26.495	26.497	31.060	27.233	1474.6	154.763	.98	-10.20
180.0	181.6	6.592	33.673	6.576	26.429	26.431	30.988	27.258	1475.1	161.403	.95	2.53
200.0	201.8	6.219	33.617	6.202	26.433	26.435	31.001	27.356	1474.2	161.134	.92	11.43
225.0	227.0	5.793	33.682	5.775	26.537	26.539	31.114	27.577	1472.6	151.393	.89	7.91
250.0	252.3	5.470	33.695	5.450	26.586	26.589	31.171	27.743	1471.4	146.809	.85	8.05
275.0	277.5	5.306	33.736	5.284	26.638	26.640	31.227	27.912	1470.8	142.106	.81	5.95
300.0	302.7	5.036	33.732	5.013	26.666	26.669	31.261	28.057	1469.7	139.542	.77	8.46
325.0	328.0	4.842	33.776	4.817	26.723	26.726	31.323	28.231	1469.1	134.273	.73	2.53
350.0	353.2	4.765	33.772	4.738	26.728	26.731	31.330	28.352	1468.8	133.981	.70	5.44
375.0	378.5	4.644	33.785	4.616	26.752	26.754	31.356	28.492	1468.3	131.901	.67	5.28
400.0	403.7	4.580	33.804	4.550	26.774	26.777	31.380	28.630	1468.1	129.985	.63	4.67
425.0	429.0	4.531	33.819	4.499	26.791	26.795	31.399	28.763	1468.0	128.533	.60	7.48
450.0	454.3	4.437	33.862	4.404	26.836	26.839	31.445	28.924	1467.7	124.468	.57	6.42
475.0	479.5	4.342	33.891	4.307	26.868	26.872	31.480	29.073	1467.4	121.505	.53	6.64
500.0	504.8	4.241	33.922	4.205	26.904	26.907	31.518	29.225	1467.1	118.308	.50	9.13
525.0	530.1	4.144	33.993	4.106	26.970	26.974	31.586	29.408	1466.8	112.158	.47	-7.37
550.0	555.3	4.142	33.938	4.102	26.927	26.931	31.544	29.480	1466.7	116.438	.44	10.08
575.0	580.6	3.969	34.017	3.928	27.008	27.012	31.628	29.678	1466.2	108.824	.41	-3.23
600.0	605.9	3.896	33.997	3.853	26.999	27.003	31.622	29.786	1465.9	109.714	.38	4.07
650.0	656.4	3.822	34.021	3.776	27.025	27.030	31.650	30.044	1465.7	107.525	.36	4.07
700.0	707.0	3.735	34.043	3.686	27.052	27.056	31.679	30.302	1465.4	105.302	.30	6.55
750.0	757.6	3.577	34.109	3.525	27.120	27.125	31.750	30.603	1464.9	99.019	.25	-6.74
800.0	808.2	3.576	34.018	3.520	27.047	27.053	31.679	30.762	1464.9	106.163	.19	9.43
850.0	858.8	3.361	34.170	3.303	27.189	27.194	31.825	31.137	1464.3	92.857	.14	5.13
900.0	909.4	3.230	34.207	3.168	27.231	27.236	31.870	31.411	1463.8	89.023	.09	3.59
950.0	960.1	3.115	34.219	3.051	27.251	27.257	31.894	31.664	1463.4	87.193	.00	7.95

STATION 157



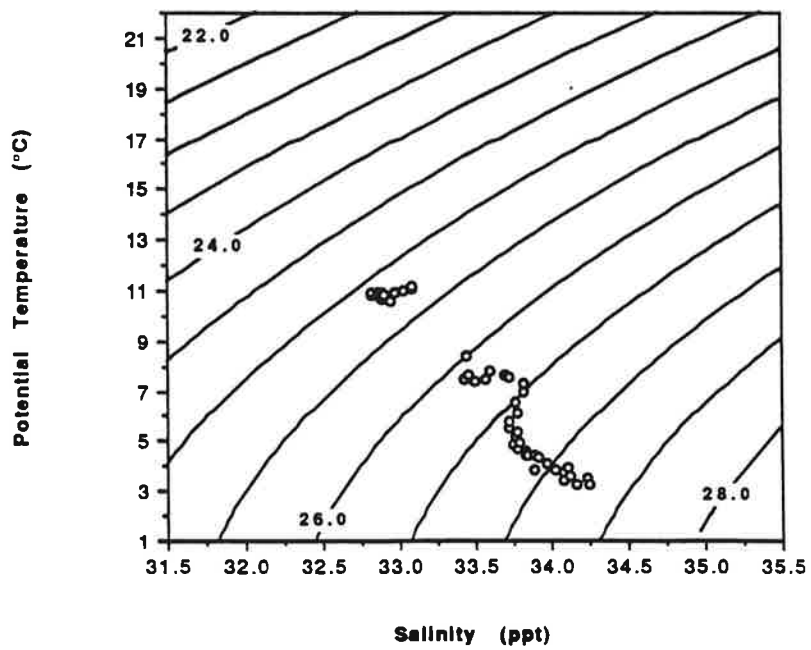
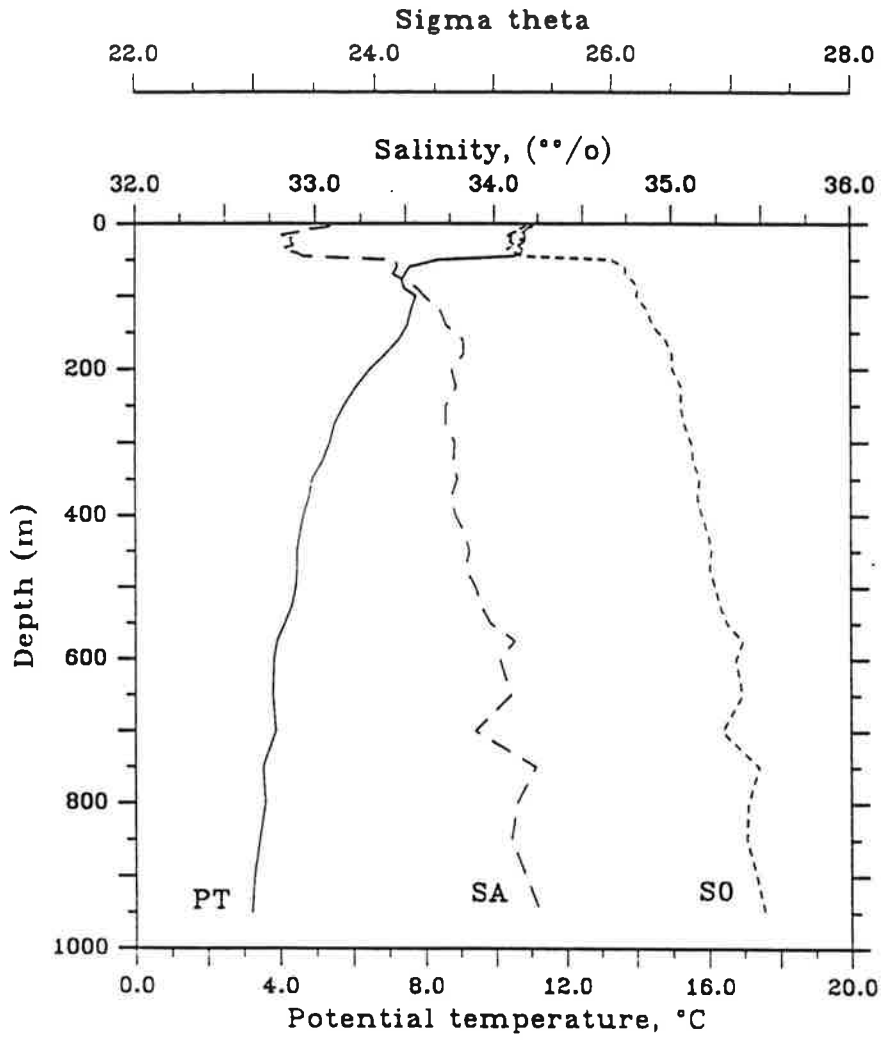
## STATION 158

LATITUDE: 44.2500 N LONGITUDE: 168.0294 W DATE: 3 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	11.054	33.081	11.054	25.272	25.272	29.743	25.272	1491.2	268.867	1.31	.00
2.0	2.0	11.054	33.081	11.054	25.272	25.272	29.743	25.281	1491.2	268.909	1.29	-13.75
4.0	4.0	11.128	33.083	11.128	25.260	25.260	29.730	25.278	1491.5	270.098	1.29	-14.03
6.0	6.0	10.972	33.031	10.971	25.248	25.248	29.721	25.275	1490.9	271.332	1.28	-24.94
8.0	8.1	10.915	32.967	10.914	25.208	25.208	29.683	25.244	1490.6	275.145	1.28	12.75
10.0	10.1	10.905	32.978	10.903	25.218	25.219	29.694	25.264	1490.6	274.200	1.27	-25.70
12.0	12.1	10.807	32.902	10.806	25.176	25.177	29.654	25.231	1490.2	278.246	1.27	-24.19
14.0	14.1	10.852	32.864	10.850	25.139	25.139	29.616	25.202	1490.3	281.836	1.26	-25.97
16.0	16.1	10.884	32.816	10.882	25.096	25.096	29.573	25.169	1490.3	285.969	1.25	30.65
18.0	18.1	10.893	32.895	10.891	25.156	25.156	29.632	25.237	1490.5	280.316	1.25	-20.83
20.0	20.1	10.906	32.862	10.904	25.128	25.128	29.604	25.219	1490.5	282.988	1.24	22.81
22.0	22.2	10.746	32.869	10.743	25.161	25.162	29.640	25.261	1489.9	279.868	1.24	-21.05
24.0	24.2	10.895	32.866	10.892	25.133	25.133	29.610	25.242	1490.5	282.601	1.23	12.60
26.0	26.2	10.832	32.865	10.829	25.143	25.144	29.621	25.261	1490.2	281.676	1.23	17.69
28.0	28.2	10.790	32.881	10.787	25.163	25.164	29.641	25.290	1490.1	279.818	1.22	18.39
30.0	30.2	10.678	32.883	10.674	25.185	25.185	29.665	25.321	1489.7	277.803	1.21	-22.27
35.0	35.2	10.817	32.813	10.813	25.106	25.106	29.584	25.265	1490.1	285.429	1.21	21.29
40.0	40.3	10.787	32.899	10.782	25.178	25.179	29.656	25.360	1490.1	278.664	1.19	20.84
45.0	45.3	10.568	32.939	10.563	25.247	25.248	29.730	25.451	1489.4	272.169	1.18	68.58
50.0	50.4	8.405	33.449	8.400	25.996	25.997	30.517	26.225	1482.2	200.889	1.17	19.29
60.0	60.4	7.610	33.452	7.605	26.115	26.115	30.652	26.390	1479.2	189.702	1.15	3.17
70.0	70.5	7.476	33.432	7.469	26.118	26.119	30.659	26.440	1478.6	189.533	1.13	14.56
80.0	80.6	7.391	33.502	7.383	26.185	26.187	30.728	26.553	1478.4	183.257	1.11	11.07
90.0	90.7	7.467	33.566	7.459	26.225	26.226	30.765	26.638	1478.8	179.710	1.10	-7.21
100.0	100.7	7.777	33.601	7.767	26.208	26.209	30.742	26.667	1480.1	181.495	1.08	11.98
120.0	120.9	7.648	33.694	7.637	26.300	26.301	30.836	26.850	1479.7	173.110	1.06	7.97
140.0	141.0	7.548	33.727	7.535	26.340	26.342	30.878	26.983	1479.4	169.555	1.02	13.04
160.0	161.2	7.315	33.823	7.300	26.448	26.451	30.991	27.184	1478.7	159.515	.99	9.11
180.0	181.3	6.939	33.825	6.923	26.501	26.503	31.052	27.329	1477.2	154.669	.95	2.84
200.0	201.5	6.511	33.758	6.493	26.506	26.508	31.067	27.428	1475.5	154.297	.92	9.47
225.0	226.7	6.111	33.784	6.092	26.577	26.580	31.147	27.616	1474.0	147.693	.89	-2.55
250.0	251.9	5.789	33.726	5.768	26.572	26.575	31.150	27.728	1472.7	148.334	.85	6.10
275.0	277.1	5.534	33.724	5.512	26.602	26.604	31.185	27.874	1471.7	145.686	.81	8.39
300.0	302.3	5.405	33.776	5.381	26.658	26.660	31.244	28.046	1471.3	140.585	.78	4.74
325.0	327.5	5.209	33.769	5.184	26.675	26.678	31.267	28.180	1470.5	139.040	.74	7.86
350.0	352.8	4.915	33.789	4.888	26.725	26.728	31.323	28.347	1469.4	134.441	.70	-4.74
375.0	378.0	4.828	33.754	4.800	26.706	26.710	31.307	28.445	1469.1	136.311	.67	6.78
400.0	403.2	4.676	33.778	4.646	26.743	26.746	31.347	28.598	1468.5	132.968	.63	8.11
425.0	428.4	4.572	33.830	4.540	26.795	26.799	31.402	28.767	1468.2	128.169	.60	5.98
450.0	453.6	4.486	33.854	4.452	26.824	26.827	31.432	28.912	1467.9	125.633	.57	-4.62
475.0	478.9	4.483	33.832	4.447	26.807	26.810	31.416	29.010	1467.9	127.459	.53	7.91
500.0	504.1	4.449	33.890	4.412	26.857	26.861	31.466	29.176	1467.9	122.958	.50	6.62
525.0	529.3	4.339	33.919	4.300	26.892	26.896	31.503	29.327	1467.5	119.775	.47	8.84
550.0	554.6	4.145	33.972	4.105	26.954	26.958	31.570	29.507	1466.8	113.907	.44	12.98
575.0	579.8	3.927	34.113	3.886	27.088	27.092	31.709	29.759	1466.1	101.220	.41	-8.70
600.0	605.1	3.842	34.026	3.799	27.027	27.032	31.651	29.815	1465.7	106.981	.38	5.82
650.0	655.5	3.806	34.089	3.760	27.081	27.086	31.706	30.100	1465.7	102.254	.36	-10.36
700.0	706.1	3.884	33.884	3.833	26.910	26.915	31.535	30.159	1465.8	118.803	.30	13.95
750.0	756.6	3.536	34.230	3.484	27.220	27.226	31.851	30.704	1464.9	89.554	.25	-7.64
800.0	807.1	3.605	34.122	3.549	27.127	27.133	31.757	30.840	1465.1	98.751	.19	-2.51
850.0	857.6	3.438	34.089	3.379	27.117	27.122	31.752	31.064	1464.5	99.750	.14	7.14
900.0	908.2	3.292	34.173	3.230	27.198	27.204	31.836	31.377	1464.0	92.224	.09	6.55
950.0	958.7	3.229	34.251	3.164	27.266	27.272	31.906	31.676	1464.0	86.053	.00	8.22



## STATION 158

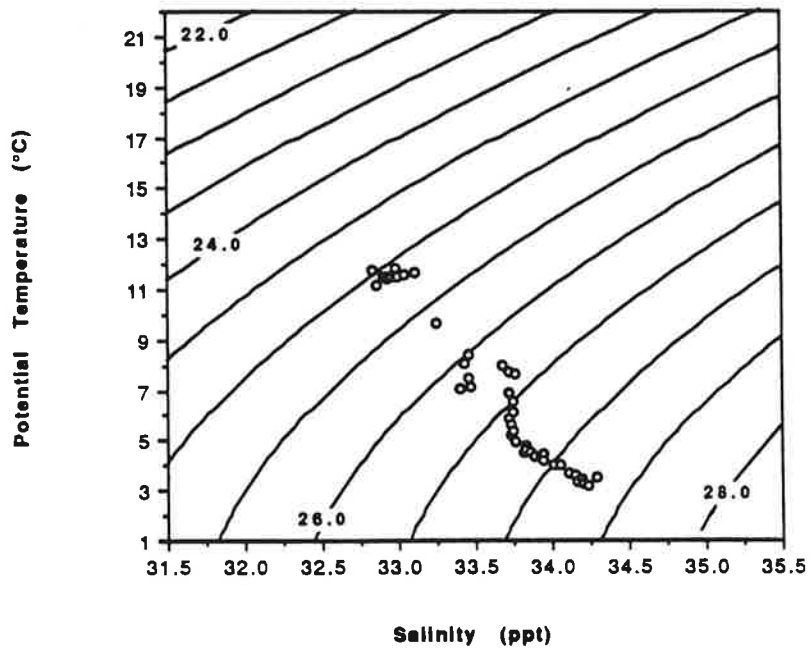
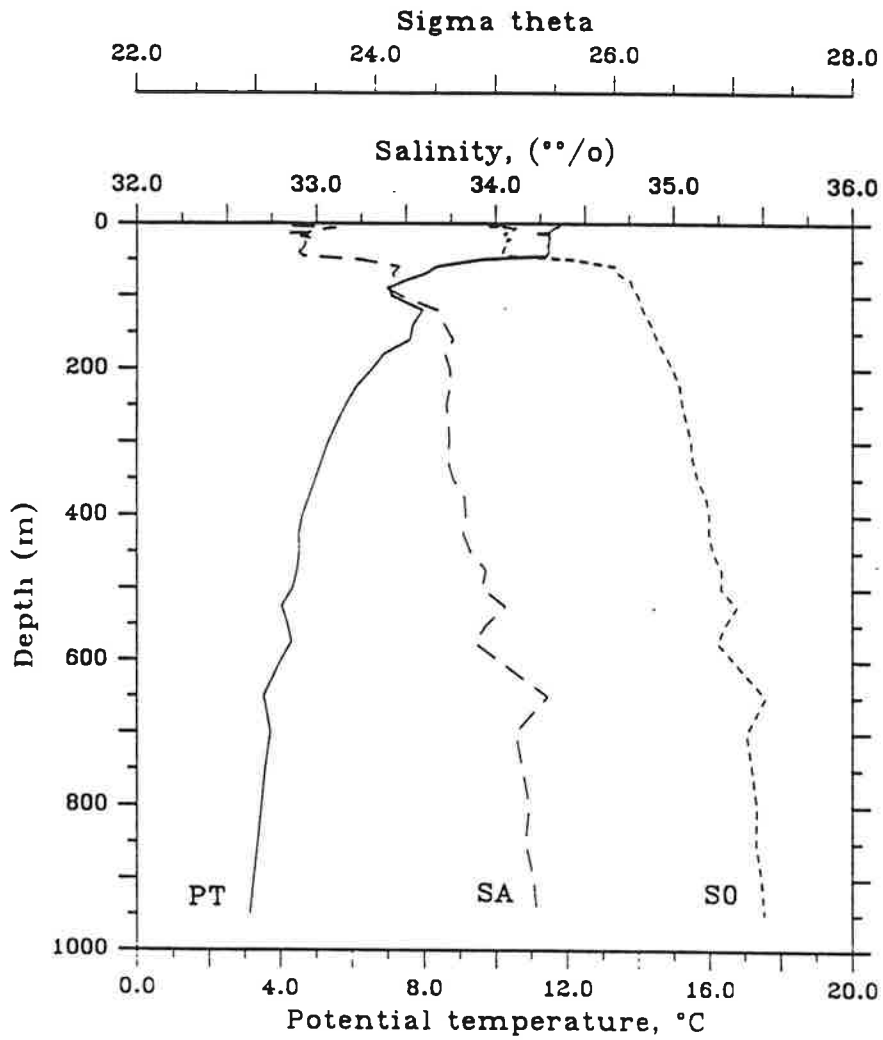


## STATION 160

LATITUDE: 43.7500 N LONGITUDE: 168.0000 W DATE: 3 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	11.810	32.985	11.810	25.060	25.060	29.519	25.060	1493.8	289.028	1.30	.00
2.0	2.0	11.810	32.985	11.810	25.060	25.060	29.519	25.069	1493.8	289.072	1.29	-42.96
4.0	4.0	11.784	32.827	11.784	24.943	24.943	29.403	24.961	1493.5	300.310	1.28	61.20
6.0	6.0	11.678	33.110	11.678	25.181	25.181	29.642	25.209	1493.5	277.642	1.27	-25.65
8.0	8.1	11.607	33.039	11.606	25.139	25.140	29.601	25.176	1493.1	281.675	1.27	16.51
10.0	10.1	11.552	33.048	11.551	25.157	25.157	29.620	25.202	1493.0	280.066	1.26	-20.75
12.0	12.1	11.526	33.007	11.525	25.129	25.130	29.593	25.184	1492.8	282.719	1.26	-29.59
14.0	14.1	11.182	32.855	11.180	25.074	25.074	29.545	25.137	1491.4	288.062	1.25	15.74
16.0	16.1	11.531	32.956	11.529	25.089	25.090	29.553	25.162	1492.8	286.612	1.24	-20.36
18.0	18.1	11.489	32.912	11.487	25.063	25.063	29.528	25.145	1492.6	289.167	1.24	19.75
20.0	20.1	11.537	32.956	11.534	25.088	25.088	29.552	25.178	1492.8	286.846	1.23	24.15
22.0	22.1	11.486	32.992	11.483	25.125	25.125	29.590	25.225	1492.7	283.352	1.23	-18.98
24.0	24.1	11.497	32.965	11.494	25.102	25.103	29.567	25.211	1492.7	285.580	1.22	-18.99
26.0	26.2	11.501	32.936	11.498	25.079	25.080	29.544	25.197	1492.7	287.811	1.22	4.80
28.0	28.2	11.508	32.939	11.504	25.080	25.081	29.545	25.207	1492.7	287.715	1.21	10.81
30.0	30.2	11.455	32.937	11.451	25.088	25.089	29.554	25.224	1492.5	287.047	1.20	-9.71
35.0	35.2	11.488	32.925	11.483	25.073	25.074	29.538	25.232	1492.6	288.583	1.20	-10.22
40.0	40.2	11.485	32.903	11.480	25.056	25.057	29.522	25.237	1492.6	290.275	1.18	13.10
45.0	45.3	11.434	32.926	11.428	25.083	25.085	29.550	25.288	1492.5	287.777	1.17	59.48
50.0	50.3	9.635	33.251	9.629	25.647	25.648	30.145	25.875	1486.5	234.155	1.15	34.05
60.0	60.4	8.351	33.465	8.345	26.017	26.017	30.539	26.291	1482.0	199.112	1.14	7.52
70.0	70.4	8.033	33.428	8.026	26.034	26.035	30.564	26.356	1480.8	197.528	1.12	17.96
80.0	80.5	7.451	33.452	7.443	26.137	26.138	30.679	26.505	1478.6	187.844	1.10	7.03
90.0	90.6	7.036	33.399	7.028	26.153	26.154	30.704	26.567	1476.9	186.426	1.08	11.91
100.0	100.6	7.113	33.470	7.104	26.198	26.199	30.747	26.658	1477.3	182.296	1.06	8.17
120.0	120.8	7.970	33.679	7.958	26.241	26.243	30.771	26.791	1480.9	178.749	1.04	10.38
140.0	140.9	7.698	33.716	7.684	26.309	26.311	30.845	26.952	1480.0	172.495	1.00	8.72
160.0	161.0	7.622	33.763	7.607	26.358	26.360	30.895	27.092	1479.8	168.196	.97	10.09
180.0	181.2	6.896	33.717	6.880	26.423	26.425	30.975	27.251	1476.9	162.099	.93	10.11
200.0	201.3	6.581	33.746	6.563	26.488	26.490	31.047	27.409	1475.8	156.092	.90	8.71
225.0	226.5	6.124	33.748	6.105	26.548	26.550	31.118	27.587	1474.0	150.496	.87	4.90
250.0	251.6	5.832	33.726	5.811	26.567	26.569	31.144	27.722	1472.9	148.850	.83	7.11
275.0	276.8	5.580	33.738	5.558	26.607	26.610	31.190	27.879	1471.9	145.193	.79	6.38
300.0	302.0	5.344	33.743	5.320	26.639	26.642	31.228	28.028	1471.0	142.262	.75	4.23
325.0	327.2	5.163	33.735	5.137	26.654	26.657	31.246	28.159	1470.3	141.063	.72	7.26
350.0	352.4	4.989	33.763	4.962	26.696	26.699	31.292	28.317	1469.7	137.232	.68	9.49
375.0	377.6	4.808	33.827	4.779	26.767	26.771	31.368	28.506	1469.1	130.564	.64	5.84
400.0	402.8	4.617	33.835	4.587	26.794	26.798	31.399	28.650	1468.3	128.081	.61	-1.23
425.0	428.0	4.517	33.819	4.485	26.793	26.796	31.401	28.765	1467.9	128.340	.58	6.35
450.0	453.2	4.527	33.861	4.494	26.825	26.829	31.433	28.913	1468.1	125.547	.54	9.59
475.0	478.4	4.472	33.946	4.437	26.899	26.902	31.507	29.102	1468.0	118.821	.51	-2.35
500.0	503.6	4.351	33.924	4.314	26.894	26.898	31.505	29.214	1467.5	119.337	.48	13.01
525.0	528.8	4.053	34.055	4.016	27.029	27.033	31.647	29.467	1466.5	106.537	.45	-11.17
550.0	554.0	4.213	33.950	4.173	26.929	26.934	31.544	29.482	1467.1	116.285	.42	-9.05
575.0	579.2	4.319	33.882	4.276	26.864	26.868	31.478	29.531	1467.4	122.763	.39	13.04
600.0	604.4	4.032	34.015	3.989	26.999	27.004	31.619	29.785	1466.5	109.879	.36	13.00
650.0	654.9	3.544	34.292	3.499	27.268	27.273	31.898	30.290	1464.9	84.325	.33	-9.98
700.0	705.3	3.715	34.113	3.666	27.110	27.115	31.737	30.360	1465.4	99.844	.28	5.27
750.0	755.8	3.572	34.151	3.520	27.154	27.159	31.784	30.637	1465.0	95.838	.24	5.01
800.0	806.2	3.470	34.189	3.415	27.194	27.199	31.827	30.909	1464.7	92.287	.19	-1.87
850.0	856.7	3.371	34.169	3.312	27.188	27.193	31.824	31.136	1464.3	92.983	.14	5.33
900.0	907.2	3.260	34.213	3.198	27.233	27.239	31.872	31.413	1464.0	88.881	.09	3.89
950.0	957.7	3.153	34.230	3.088	27.257	27.263	31.899	31.669	1463.6	86.739	.00	8.11

## STATION 160

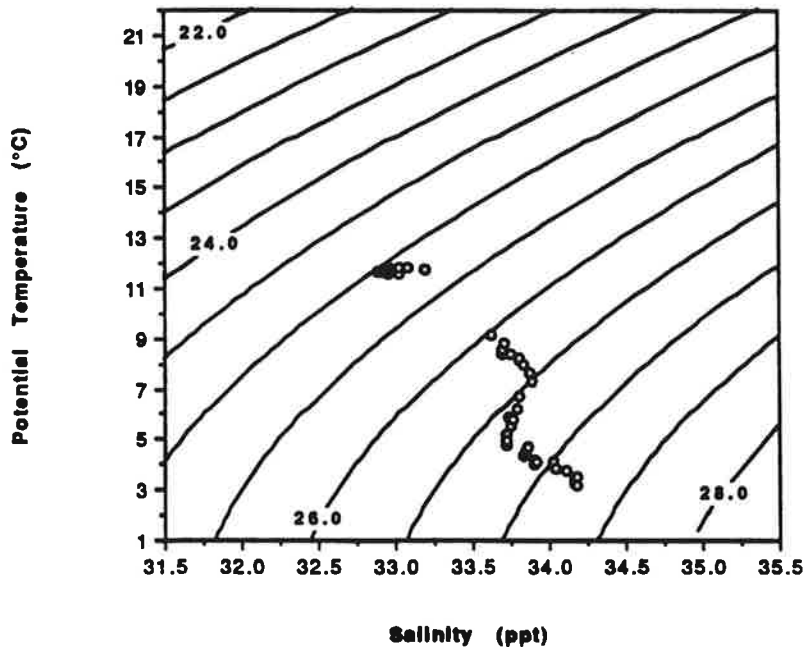
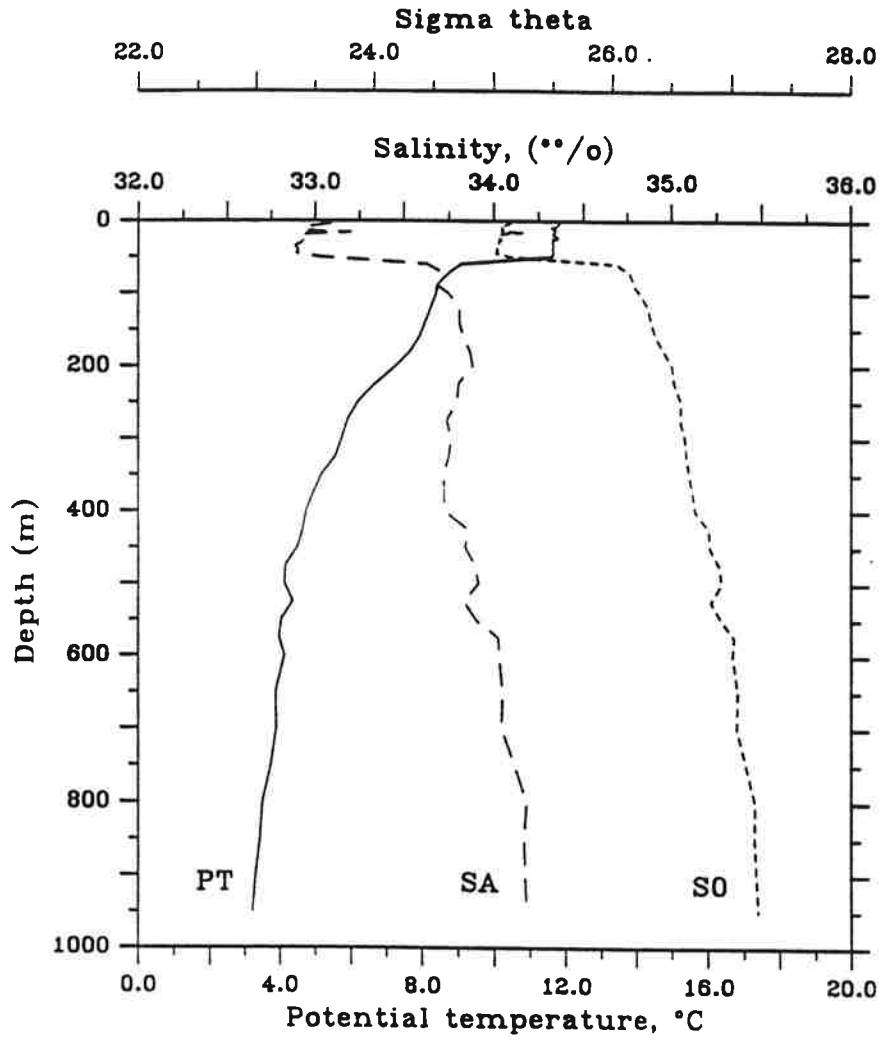


## STATION 161

LATITUDE: 43.5000 N LONGITUDE: 168.0000 W DATE: 3 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	SVAI
.0	.0	11.834	33.088	11.834	25.136	25.136	29.593	25.136	1494.0	281.852	1.34	.00
2.0	2.0	11.834	33.088	11.833	25.136	25.136	29.593	25.145	1494.0	281.896	1.32	.28
4.0	4.0	11.834	33.088	11.833	25.136	25.136	29.593	25.154	1494.0	281.941	1.31	-25.19
6.0	6.0	11.801	33.028	11.800	25.095	25.096	29.554	25.122	1493.8	285.834	1.31	-27.31
8.0	8.1	11.755	32.956	11.753	25.048	25.048	29.508	25.084	1493.5	290.399	1.30	19.91
10.0	10.1	11.622	32.957	11.621	25.073	25.073	29.535	25.118	1493.1	288.037	1.30	13.79
12.0	12.1	11.736	32.999	11.734	25.085	25.085	29.545	25.139	1493.5	286.930	1.29	-19.06
14.0	14.1	11.713	32.964	11.712	25.062	25.062	29.523	25.125	1493.4	289.176	1.28	53.47
16.0	16.1	11.721	33.201	11.719	25.244	25.244	29.703	25.317	1493.7	271.888	1.28	-51.21
18.0	18.1	11.653	32.969	11.651	25.077	25.077	29.539	25.159	1493.2	287.832	1.27	-25.01
20.0	20.1	11.676	32.923	11.674	25.037	25.038	29.499	25.128	1493.3	291.668	1.27	-7.22
22.0	22.1	11.767	32.941	11.764	25.034	25.034	29.494	25.133	1493.6	292.031	1.26	7.50
24.0	24.2	11.799	32.953	11.796	25.037	25.038	29.497	25.146	1493.7	291.736	1.25	19.81
26.0	26.2	11.645	32.948	11.641	25.062	25.063	29.525	25.180	1493.2	289.393	1.25	-14.42
28.0	28.2	11.647	32.932	11.644	25.049	25.050	29.512	25.176	1493.2	290.698	1.24	-8.50
30.0	30.2	11.650	32.927	11.646	25.045	25.045	29.507	25.180	1493.2	291.180	1.24	-14.44
35.0	35.2	11.665	32.887	11.660	25.011	25.012	29.474	25.170	1493.2	294.449	1.23	10.69
40.0	40.3	11.648	32.907	11.643	25.029	25.030	29.492	25.211	1493.2	292.826	1.22	-8.59
45.0	45.3	11.666	32.896	11.660	25.018	25.019	29.480	25.222	1493.2	294.053	1.20	26.70
50.0	50.3	11.601	33.027	11.594	25.131	25.133	29.594	25.358	1493.2	283.354	1.19	53.04
60.0	60.4	9.110	33.629	9.104	26.028	26.029	30.534	26.302	1485.0	198.159	1.17	18.21
70.0	70.5	8.817	33.705	8.810	26.133	26.134	30.645	26.453	1484.0	188.270	1.15	10.01
80.0	80.5	8.590	33.701	8.582	26.165	26.167	30.682	26.531	1483.2	185.381	1.13	7.18
90.0	90.6	8.421	33.689	8.412	26.182	26.183	30.702	26.594	1482.6	183.968	1.11	12.26
100.0	100.7	8.402	33.746	8.392	26.229	26.231	30.750	26.687	1482.6	179.594	1.09	10.55
120.0	120.8	8.256	33.809	8.244	26.300	26.302	30.824	26.850	1482.2	173.179	1.07	6.08
140.0	141.0	8.098	33.809	8.084	26.324	26.326	30.851	26.965	1481.6	171.238	1.03	8.02
160.0	161.1	7.944	33.832	7.928	26.365	26.367	30.895	27.098	1481.1	167.636	1.00	10.27
180.0	181.3	7.678	33.868	7.660	26.432	26.435	30.968	27.258	1480.1	161.501	.96	10.30
200.0	201.4	7.281	33.882	7.262	26.500	26.502	31.044	27.418	1478.7	155.263	.93	4.82
225.0	226.6	6.698	33.804	6.678	26.518	26.521	31.075	27.554	1476.3	153.628	.90	8.58
250.0	251.8	6.205	33.797	6.184	26.576	26.579	31.144	27.729	1474.4	148.180	.86	-3.19
275.0	277.0	5.906	33.739	5.883	26.568	26.571	31.143	27.838	1473.2	149.100	.82	6.88
300.0	302.2	5.751	33.762	5.726	26.606	26.609	31.185	27.992	1472.7	145.743	.78	3.98
325.0	327.4	5.569	33.750	5.542	26.618	26.621	31.201	28.121	1472.0	144.726	.75	5.37
350.0	352.6	5.181	33.721	5.154	26.641	26.644	31.233	28.261	1470.4	142.561	.71	6.03
375.0	377.8	4.957	33.725	4.928	26.669	26.673	31.267	28.407	1469.5	139.913	.67	5.35
400.0	403.0	4.747	33.724	4.716	26.692	26.695	31.295	28.547	1468.7	137.834	.64	11.99
425.0	428.2	4.656	33.856	4.624	26.807	26.810	31.411	28.778	1468.6	127.181	.60	2.73
450.0	453.4	4.496	33.841	4.462	26.813	26.816	31.421	28.900	1467.9	126.707	.57	10.04
475.0	478.7	4.154	33.896	4.120	26.893	26.896	31.509	29.099	1466.6	119.023	.53	4.65
500.0	503.9	4.124	33.914	4.088	26.910	26.913	31.527	29.233	1466.6	117.579	.50	-10.57
525.0	529.1	4.359	33.833	4.320	26.821	26.825	31.433	29.257	1467.5	126.438	.47	10.36
550.0	554.3	4.035	33.898	3.996	26.906	26.910	31.526	29.461	1466.2	118.223	.44	11.51
575.0	579.6	3.975	34.023	3.934	27.012	27.016	31.632	29.682	1466.2	108.422	.41	-4.16
600.0	604.8	4.134	34.027	4.090	26.998	27.003	31.615	29.782	1466.9	110.132	.38	5.15
650.0	655.3	3.886	34.048	3.839	27.040	27.045	31.663	30.058	1466.0	106.243	.35	-2.15
700.0	705.8	3.898	34.040	3.848	27.033	27.038	31.656	30.281	1466.1	107.353	.30	6.88
750.0	756.2	3.731	34.113	3.678	27.108	27.113	31.735	30.589	1465.6	100.411	.24	6.98
800.0	806.8	3.489	34.181	3.434	27.185	27.191	31.818	30.900	1464.7	93.106	.19	-1.72
850.0	857.3	3.418	34.166	3.359	27.180	27.186	31.815	31.127	1464.5	93.778	.14	3.18
900.0	907.8	3.300	34.172	3.238	27.196	27.202	31.834	31.376	1464.1	92.385	.09	3.12
950.0	958.3	3.215	34.181	3.150	27.212	27.218	31.852	31.623	1463.8	91.097	.00	8.44

STATION 161

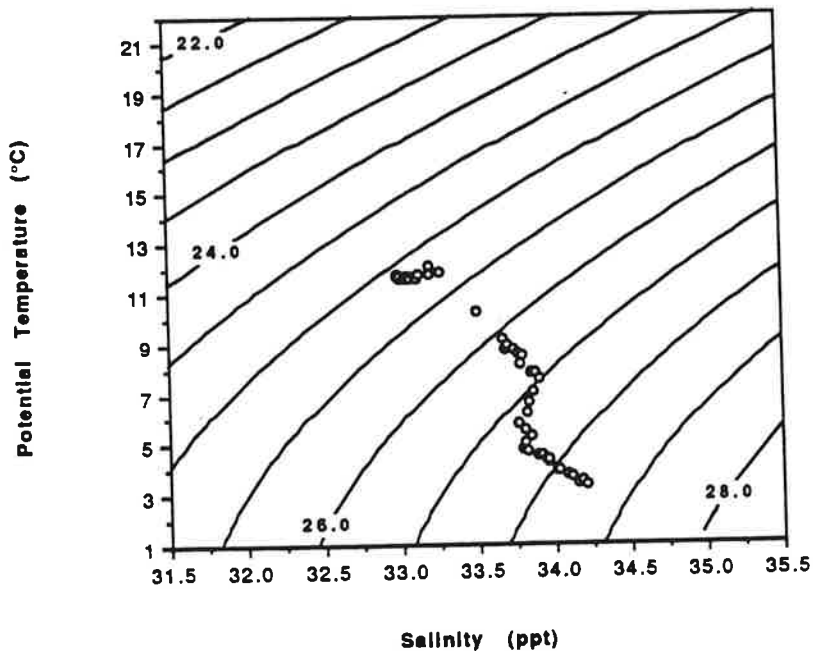
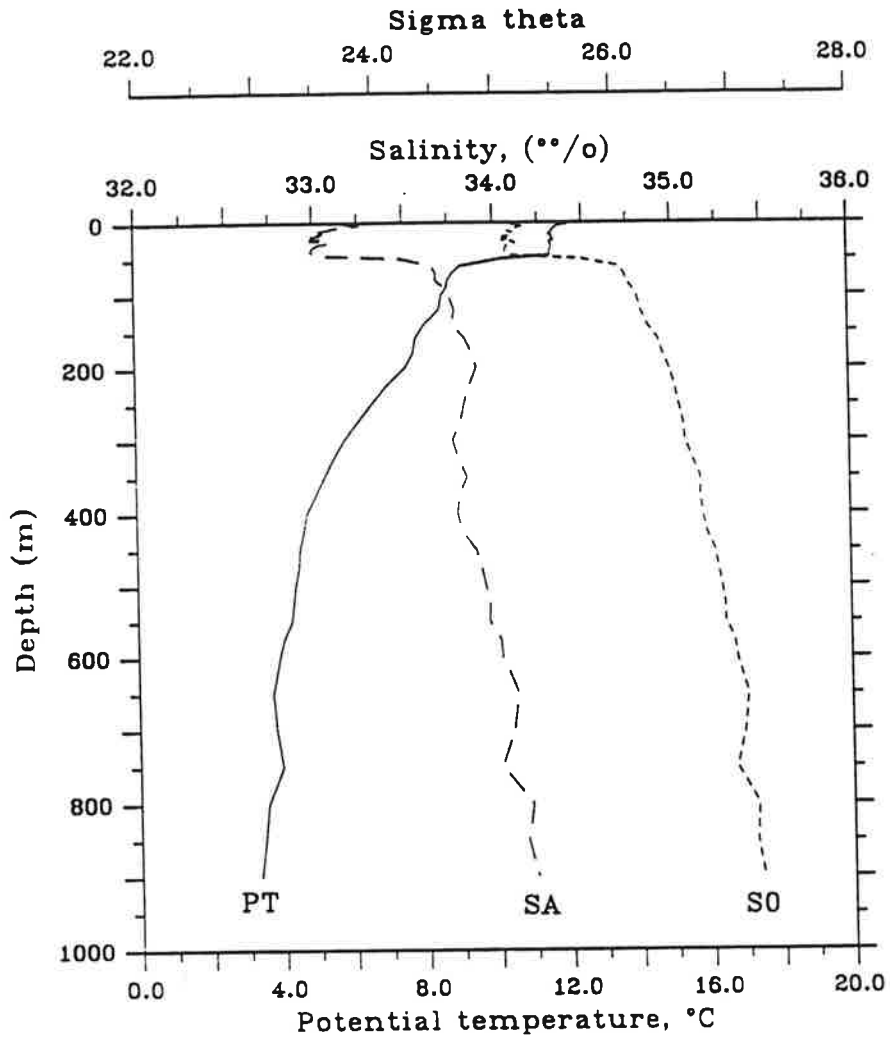


## STATION 162

LATITUDE: 43.2606 N LONGITUDE: 167.9845 W DATE: 3 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	12.106	33.188	12.106	25.163	25.163	29.615	25.163	1495.0	279.310	1.28	.00
2.0	2.0	12.106	33.188	12.106	25.163	25.163	29.615	25.171	1495.0	279.356	1.26	40.39
4.0	4.0	11.873	33.265	11.872	25.267	25.267	29.722	25.285	1494.3	269.507	1.25	-24.74
6.0	6.1	11.773	33.191	11.772	25.227	25.228	29.685	25.255	1493.9	273.262	1.25	-27.93
8.0	8.1	11.736	33.119	11.736	25.178	25.178	29.637	25.214	1493.7	278.036	1.24	-10.44
10.0	10.1	11.667	33.093	11.666	25.171	25.171	29.631	25.216	1493.4	278.740	1.24	-26.16
12.0	12.1	11.672	33.038	11.671	25.127	25.127	29.588	25.181	1493.4	282.934	1.23	28.82
14.0	14.1	11.637	33.098	11.636	25.180	25.180	29.641	25.243	1493.3	277.943	1.22	-25.04
16.0	16.1	11.562	33.029	11.560	25.140	25.140	29.603	25.212	1493.0	281.786	1.22	-6.88
18.0	18.1	11.680	33.053	11.677	25.137	25.138	29.598	25.219	1493.4	282.120	1.21	-28.44
20.0	20.2	11.655	32.980	11.652	25.085	25.086	29.547	25.176	1493.2	287.068	1.21	29.05
22.0	22.2	11.654	33.049	11.651	25.139	25.140	29.601	25.239	1493.3	281.995	1.20	-30.34
24.0	24.2	11.725	32.991	11.722	25.081	25.081	29.541	25.189	1493.5	287.623	1.20	36.84
26.0	26.2	11.595	33.071	11.592	25.167	25.168	29.629	25.285	1493.2	279.435	1.19	20.28
28.0	28.2	11.591	33.104	11.587	25.193	25.194	29.656	25.320	1493.2	276.985	1.18	-30.55
30.0	30.3	11.647	33.041	11.643	25.134	25.135	29.596	25.270	1493.3	282.687	1.18	-13.63
35.0	35.3	11.645	33.002	11.641	25.104	25.105	29.566	25.263	1493.3	285.611	1.17	3.79
40.0	40.3	11.594	32.993	11.589	25.106	25.107	29.570	25.288	1493.1	285.499	1.16	16.82
45.0	45.4	11.605	33.054	11.600	25.152	25.153	29.614	25.355	1493.2	281.322	1.14	60.96
50.0	50.4	10.231	33.502	10.225	25.744	25.745	30.229	25.971	1488.9	225.047	1.13	31.11
60.0	60.5	9.119	33.662	9.113	26.052	26.053	30.558	26.326	1485.1	195.837	1.12	13.24
70.0	70.6	8.894	33.688	8.887	26.108	26.109	30.618	26.428	1484.3	190.685	1.10	7.53
80.0	80.7	8.760	33.685	8.752	26.126	26.127	30.639	26.492	1483.8	189.130	1.08	11.96
90.0	90.8	8.726	33.736	8.717	26.172	26.173	30.685	26.583	1483.8	184.972	1.06	11.20
100.0	100.9	8.584	33.759	8.574	26.212	26.213	30.728	26.669	1483.3	181.331	1.04	7.12
120.0	121.0	8.513	33.786	8.500	26.244	26.246	30.762	26.793	1483.1	178.598	1.02	9.17
140.0	141.2	8.100	33.775	8.086	26.297	26.299	30.824	26.939	1481.6	173.758	.98	11.88
160.0	161.4	7.837	33.840	7.821	26.387	26.390	30.919	27.121	1480.7	165.486	.95	7.77
180.0	181.6	7.767	33.876	7.749	26.426	26.428	30.959	27.251	1480.5	162.140	.91	8.84
200.0	201.8	7.538	33.898	7.519	26.476	26.478	31.014	27.393	1479.7	157.653	.88	7.55
225.0	227.0	7.011	33.862	6.991	26.521	26.524	31.071	27.555	1477.6	153.512	.84	6.38
250.0	252.2	6.605	33.833	6.583	26.553	26.556	31.112	27.704	1476.1	150.610	.81	6.72
275.0	277.5	6.209	33.813	6.185	26.589	26.592	31.157	27.857	1474.5	147.332	.77	4.32
300.0	302.7	5.823	33.771	5.798	26.603	26.606	31.180	27.989	1473.0	146.008	.73	8.73
325.0	328.0	5.522	33.801	5.496	26.664	26.667	31.248	28.167	1471.8	140.367	.69	8.95
350.0	353.2	5.265	33.843	5.237	26.728	26.731	31.317	28.347	1470.9	134.439	.65	-1.89
375.0	378.5	5.021	33.804	4.991	26.725	26.728	31.320	28.462	1469.9	134.787	.62	5.13
400.0	403.7	4.753	33.792	4.722	26.745	26.749	31.348	28.600	1468.8	132.838	.59	6.22
425.0	429.0	4.659	33.818	4.627	26.776	26.779	31.381	28.747	1468.5	130.089	.55	9.17
450.0	454.2	4.535	33.885	4.501	26.843	26.847	31.450	28.930	1468.1	123.898	.52	6.04
475.0	479.5	4.500	33.917	4.465	26.872	26.876	31.480	29.075	1468.1	121.358	.49	5.93
500.0	504.7	4.397	33.938	4.360	26.900	26.904	31.510	29.219	1467.7	118.838	.45	5.41
525.0	530.0	4.339	33.959	4.300	26.923	26.927	31.535	29.358	1467.5	116.807	.42	1.96
550.0	555.3	4.281	33.955	4.241	26.926	26.930	31.540	29.478	1467.3	116.674	.39	9.48
575.0	580.6	4.057	34.016	4.016	26.998	27.002	31.616	29.667	1466.5	109.877	.36	5.08
600.0	605.8	3.928	34.025	3.885	27.018	27.022	31.640	29.805	1466.0	107.984	.33	7.39
650.0	656.4	3.718	34.108	3.673	27.105	27.109	31.731	30.125	1465.4	99.921	.31	-4.49
700.0	707.0	3.799	34.077	3.749	27.073	27.078	31.698	30.322	1465.7	103.441	.25	-6.67
750.0	757.5	3.960	34.009	3.905	27.002	27.007	31.625	30.479	1466.4	110.739	.20	10.61
800.0	808.1	3.536	34.181	3.480	27.181	27.187	31.813	30.895	1464.9	93.591	.15	-2.94
850.0	858.7	3.441	34.152	3.382	27.167	27.173	31.802	31.114	1464.6	95.067	.10	5.81
900.0	909.4	3.313	34.204	3.251	27.221	27.226	31.858	31.399	1464.2	90.148	.00	8.54

## STATION 162



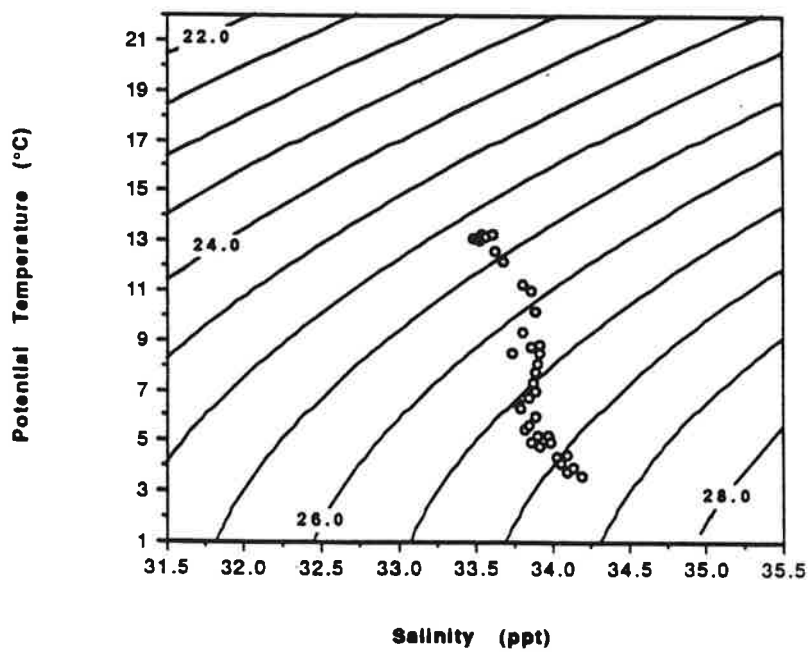
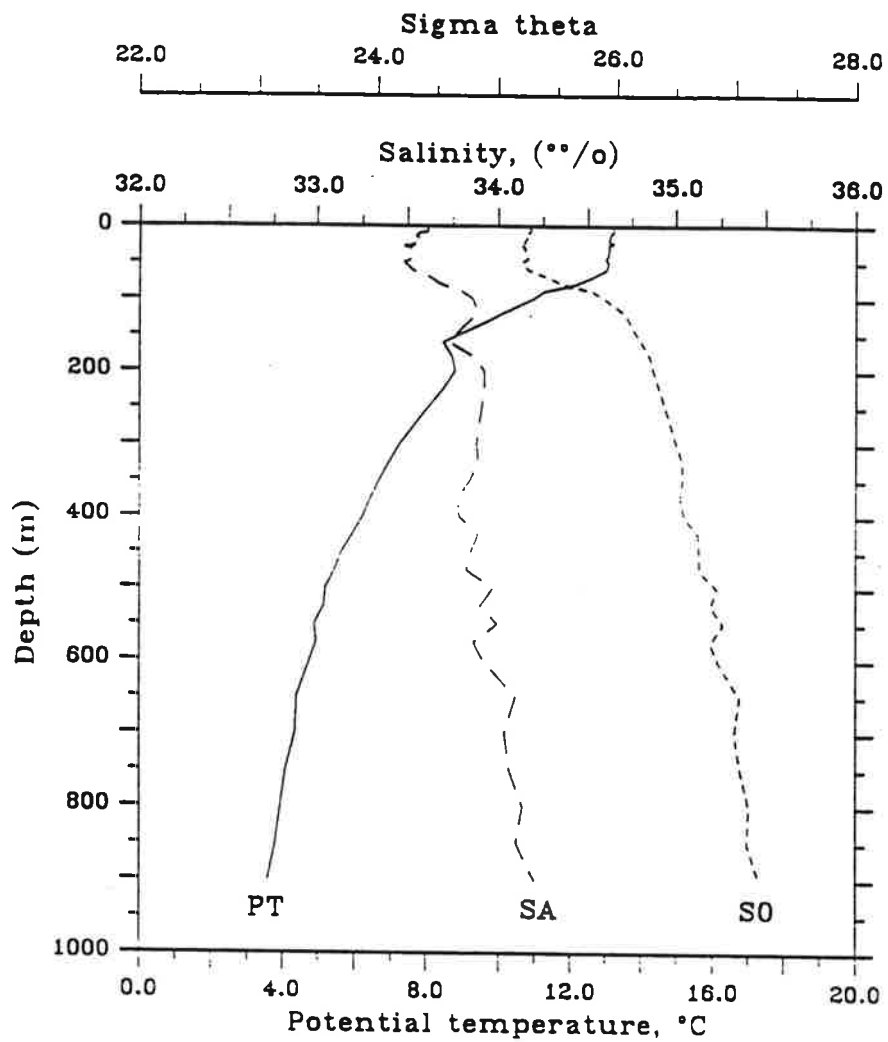
## STATION 168

LATITUDE: 41.5000 N LONGITUDE: 168.0000 W DATE: 4 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIGO	SIG1	SIG2	SOUND	AVOL	DYNH	BVA1
.0	.0	13.234	33.613	13.234	25.273	25.273	29.703	25.273	1499.3	268.820	1.40	.00
2.0	2.0	13.234	33.613	13.234	25.273	25.273	29.703	25.282	1499.3	268.869	1.38	.29
4.0	4.0	13.234	33.613	13.234	25.273	25.273	29.703	25.291	1499.3	268.919	1.38	.29
6.0	6.0	13.234	33.613	13.234	25.273	25.273	29.703	25.300	1499.3	268.969	1.37	.29
8.0	8.1	13.234	33.613	13.233	25.273	25.273	29.703	25.309	1499.3	269.019	1.37	-20.00
10.0	10.1	13.165	33.563	13.164	25.247	25.248	29.679	25.292	1499.0	271.492	1.36	-7.80
12.0	12.1	13.146	33.553	13.144	25.243	25.244	29.675	25.297	1499.0	271.911	1.36	-9.05
14.0	14.1	13.142	33.545	13.140	25.238	25.239	29.671	25.301	1499.0	272.457	1.35	15.20
16.0	16.1	13.142	33.564	13.140	25.253	25.253	29.685	25.325	1499.0	271.105	1.35	-16.20
18.0	18.1	13.102	33.532	13.100	25.236	25.237	29.669	25.317	1498.8	272.746	1.34	-11.43
20.0	20.1	13.101	33.521	13.098	25.228	25.228	29.661	25.318	1498.8	273.588	1.34	-10.64
22.0	22.2	13.100	33.511	13.097	25.221	25.221	29.654	25.320	1498.8	274.323	1.33	-10.92
24.0	24.2	13.237	33.537	13.233	25.213	25.214	29.644	25.321	1499.3	275.101	1.32	20.11
26.0	26.2	13.121	33.540	13.118	25.239	25.240	29.672	25.356	1498.9	272.694	1.32	-24.82
28.0	28.2	13.094	33.482	13.090	25.199	25.200	29.633	25.326	1498.7	276.476	1.31	20.95
30.0	30.2	13.115	33.524	13.111	25.227	25.228	29.661	25.363	1498.9	273.867	1.31	-6.61
35.0	35.3	13.087	33.508	13.082	25.221	25.221	29.655	25.378	1498.8	274.652	1.30	9.73
40.0	40.3	13.083	33.526	13.078	25.236	25.237	29.670	25.416	1498.8	273.343	1.29	9.37
45.0	45.3	13.012	33.526	13.006	25.250	25.251	29.685	25.452	1498.6	272.131	1.27	-17.78
50.0	50.4	13.085	33.480	13.078	25.199	25.200	29.634	25.424	1498.7	277.049	1.26	11.95
60.0	60.5	13.031	33.525	13.022	25.245	25.246	29.680	25.515	1498.6	272.965	1.25	22.00
70.0	70.5	12.628	33.621	12.618	25.399	25.401	29.841	25.715	1497.4	258.504	1.22	21.04
80.0	80.6	12.157	33.687	12.147	25.540	25.542	29.990	25.901	1495.9	245.280	1.19	28.06
90.0	90.7	11.280	33.799	11.269	25.791	25.793	30.256	26.198	1493.0	221.560	1.16	17.80
100.0	100.8	10.979	33.859	10.967	25.892	25.894	30.362	26.345	1492.1	212.149	1.14	16.28
120.0	120.9	10.128	33.886	10.114	26.060	26.063	30.547	26.606	1489.1	196.370	1.12	10.23
140.0	141.1	9.326	33.801	9.311	26.127	26.129	30.629	26.765	1486.1	190.247	1.08	11.01
160.0	161.2	8.490	33.731	8.473	26.204	26.206	30.724	26.936	1483.0	183.056	1.04	10.37
180.0	181.4	8.734	33.867	8.715	26.273	26.276	30.787	27.095	1484.1	176.990	1.00	6.96
200.0	201.6	8.813	33.922	8.792	26.304	26.307	30.816	27.216	1484.5	174.448	.96	7.90
225.0	226.8	8.489	33.921	8.465	26.353	26.357	30.873	27.381	1483.3	170.061	.93	8.00
250.0	252.0	8.079	33.907	8.054	26.404	26.408	30.932	27.548	1481.8	165.475	.88	7.66
275.0	277.2	7.681	33.892	7.654	26.451	26.455	30.987	27.711	1480.3	161.256	.84	7.77
300.0	302.4	7.277	33.880	7.249	26.498	26.502	31.044	27.875	1478.8	156.874	.80	7.87
325.0	327.6	6.977	33.890	6.947	26.548	26.552	31.100	28.040	1477.7	152.397	.76	.92
350.0	352.9	6.705	33.844	6.673	26.548	26.552	31.107	28.157	1476.6	152.505	.72	-4.97
375.0	378.1	6.469	33.779	6.436	26.528	26.532	31.092	28.254	1475.7	154.531	.68	6.45
400.0	403.3	6.250	33.785	6.215	26.561	26.566	31.130	28.403	1474.9	151.556	.64	12.11
425.0	428.5	5.966	33.887	5.930	26.678	26.682	31.253	28.636	1473.9	140.619	.60	2.87
450.0	453.8	5.657	33.847	5.620	26.684	26.688	31.266	28.760	1472.7	140.025	.56	2.35
475.0	479.0	5.468	33.823	5.429	26.688	26.693	31.275	28.882	1471.9	139.717	.53	13.44
500.0	504.3	5.217	33.968	5.177	26.832	26.837	31.424	29.142	1471.1	126.190	.49	-7.92
525.0	529.5	5.173	33.898	5.131	26.782	26.787	31.375	29.206	1470.9	131.113	.46	11.39
550.0	554.7	4.914	33.991	4.871	26.885	26.890	31.484	29.429	1470.0	121.360	.43	-11.64
575.0	580.0	4.959	33.861	4.914	26.777	26.782	31.376	29.435	1470.0	131.829	.39	8.72
600.0	605.2	4.779	33.911	4.733	26.837	26.842	31.440	29.613	1469.4	126.162	.36	10.83
650.0	655.8	4.410	34.096	4.360	27.024	27.029	31.634	30.034	1468.2	108.592	.33	-5.26
700.0	706.3	4.360	34.033	4.307	26.979	26.985	31.592	30.220	1468.0	113.116	.27	5.60
750.0	756.8	4.086	34.059	4.030	27.029	27.035	31.648	30.504	1467.0	108.441	.21	6.79
800.0	807.4	3.941	34.133	3.882	27.102	27.108	31.725	30.809	1466.6	101.719	.16	-3.02
850.0	857.9	3.805	34.097	3.743	27.087	27.094	31.714	31.027	1466.0	103.238	.10	8.00
900.0	908.5	3.583	34.197	3.519	27.189	27.195	31.821	31.363	1465.3	93.659	.00	8.42



STATION 168

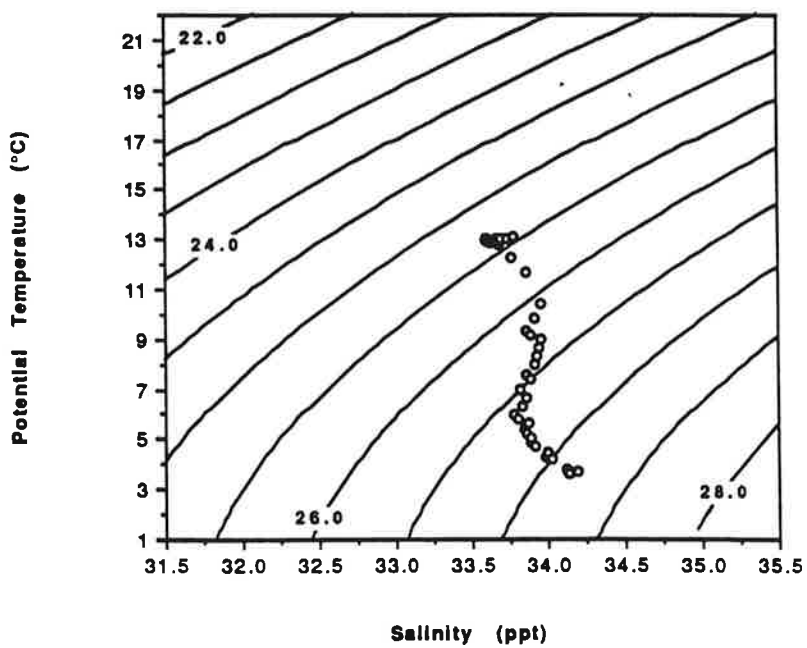
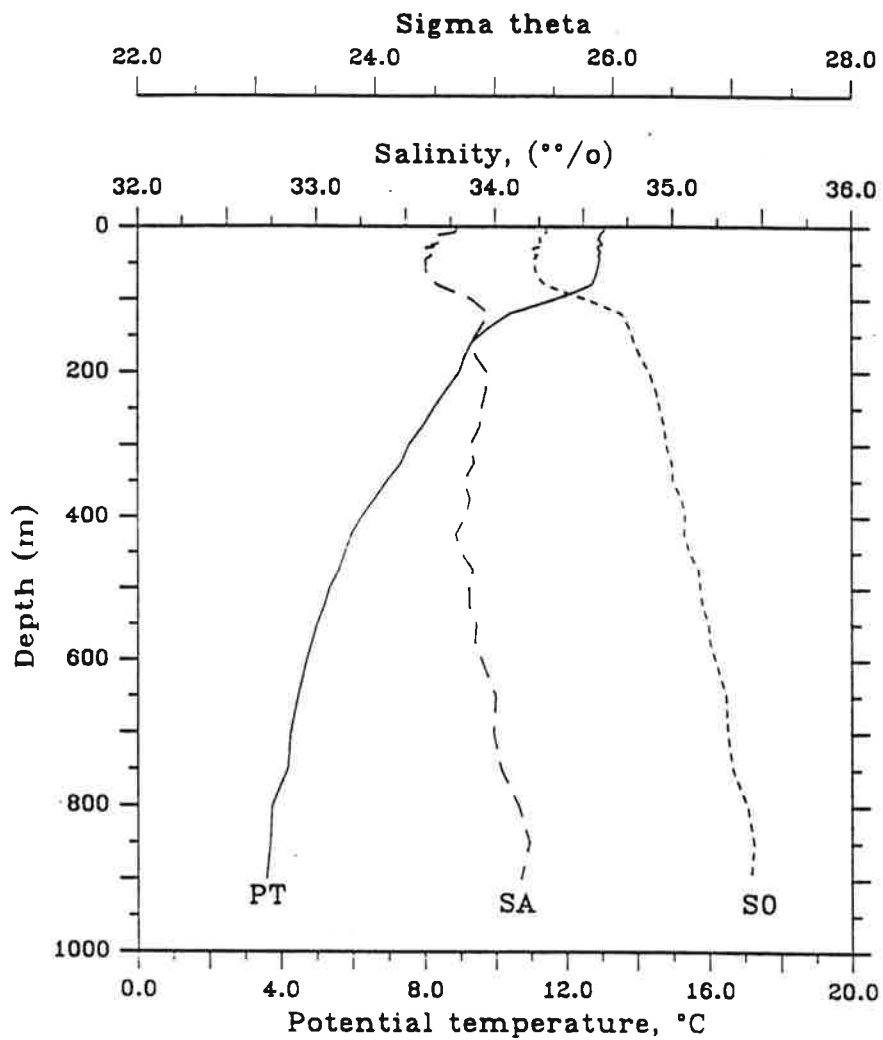


## STATION 169

LATITUDE: 41.2500 N LONGITUDE: 168.0000 W DATE: 4 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIG0	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	13.086	33.782	13.086	25.433	25.433	29.864	25.433	1499.0	253.574	1.42	.00
2.0	2.0	13.086	33.782	13.086	25.433	25.433	29.864	25.442	1499.0	253.623	1.40	.29
4.0	4.0	13.086	33.782	13.085	25.433	25.433	29.865	25.451	1499.0	253.673	1.39	.29
6.0	6.0	13.086	33.782	13.085	25.433	25.433	29.865	25.460	1499.0	253.723	1.39	11.84
8.0	8.1	13.020	33.777	13.019	25.442	25.442	29.875	25.478	1498.8	252.922	1.38	-20.28
10.0	10.1	12.991	33.736	12.990	25.416	25.416	29.849	25.461	1498.7	255.464	1.38	-22.64
12.0	12.1	12.947	33.682	12.945	25.383	25.383	29.818	25.437	1498.5	258.621	1.37	4.80
14.0	14.1	12.972	33.690	12.970	25.385	25.385	29.819	25.448	1498.6	258.531	1.37	-11.96
16.0	16.1	12.951	33.673	12.949	25.375	25.376	29.810	25.448	1498.5	259.448	1.36	13.84
18.0	18.1	12.909	33.678	12.906	25.388	25.388	29.823	25.469	1498.3	258.336	1.36	1.77
20.0	20.1	12.989	33.699	12.986	25.388	25.388	29.822	25.478	1498.6	258.369	1.35	-14.69
22.0	22.1	13.001	33.684	12.998	25.374	25.375	29.808	25.473	1498.7	259.727	1.35	-18.01
24.0	24.1	13.045	33.669	13.042	25.353	25.354	29.787	25.462	1498.8	261.745	1.34	-5.35
26.0	26.2	12.945	33.641	12.941	25.352	25.352	29.787	25.469	1498.4	261.964	1.33	19.56
28.0	28.2	12.906	33.662	12.902	25.376	25.377	29.812	25.502	1498.3	259.693	1.33	-27.78
30.0	30.2	12.895	33.596	12.891	25.327	25.327	29.763	25.462	1498.2	264.418	1.32	-9.63
35.0	35.2	12.987	33.600	12.982	25.312	25.313	29.747	25.470	1498.5	265.950	1.32	17.54
40.0	40.3	12.919	33.646	12.914	25.361	25.362	29.797	25.541	1498.4	261.411	1.31	-15.02
45.0	45.3	12.960	33.610	12.953	25.325	25.326	29.761	25.528	1498.5	264.955	1.29	7.11
50.0	50.3	12.934	33.614	12.927	25.333	25.334	29.770	25.558	1498.4	264.311	1.28	4.90
60.0	60.4	12.887	33.612	12.879	25.341	25.342	29.778	25.611	1498.3	263.824	1.26	8.86
70.0	70.5	12.826	33.629	12.817	25.366	25.367	29.804	25.681	1498.1	261.688	1.24	13.21
80.0	80.5	12.731	33.676	12.721	25.421	25.423	29.861	25.782	1497.8	256.636	1.21	22.50
90.0	90.6	12.275	33.771	12.263	25.582	25.585	30.030	25.989	1496.4	241.492	1.18	23.87
100.0	100.7	11.705	33.866	11.693	25.784	25.766	30.221	26.216	1494.6	224.395	1.16	21.98
120.0	120.8	10.419	33.964	10.405	26.072	26.074	30.552	26.617	1490.3	195.367	1.14	10.13
140.0	140.9	9.809	33.915	9.794	26.137	26.140	30.629	26.774	1488.0	189.438	1.09	7.89
160.0	161.1	9.330	33.865	9.313	26.177	26.179	30.679	26.906	1486.3	185.933	1.05	9.28
180.0	181.2	9.136	33.895	9.116	26.231	26.235	30.738	27.052	1485.6	181.041	1.02	10.28
200.0	201.4	8.995	33.952	8.974	26.299	26.302	30.808	27.211	1485.2	174.979	.98	8.30
225.0	226.5	8.627	33.949	8.604	26.354	26.357	30.870	27.381	1483.9	170.094	.94	6.53
250.0	251.7	8.278	33.924	8.253	26.387	26.391	30.912	27.530	1482.6	167.163	.90	6.99
275.0	276.9	7.967	33.914	7.939	26.426	26.430	30.957	27.684	1481.4	163.742	.85	4.22
300.0	302.1	7.591	33.862	7.562	26.440	26.444	30.979	27.815	1480.0	162.592	.81	7.72
325.0	327.3	7.376	33.884	7.345	26.487	26.492	31.031	27.978	1479.2	158.361	.77	3.03
350.0	352.5	6.993	33.825	6.960	26.494	26.499	31.047	28.101	1477.7	157.786	.73	9.57
375.0	377.7	6.654	33.860	6.620	26.567	26.572	31.127	28.291	1476.5	150.999	.69	5.91
400.0	402.9	6.292	33.834	6.257	26.595	26.599	31.163	28.436	1475.1	148.428	.65	-2.73
425.0	428.1	5.996	33.779	5.959	26.588	26.593	31.163	28.547	1473.9	149.055	.61	7.45
450.0	453.3	5.822	33.807	5.784	26.632	26.637	31.211	28.708	1473.3	145.031	.57	9.76
475.0	478.5	5.641	33.875	5.601	26.708	26.713	31.291	28.900	1472.7	137.995	.54	4.37
500.0	503.7	5.373	33.854	5.332	26.723	26.728	31.312	29.032	1471.6	136.573	.50	4.86
525.0	528.9	5.221	33.855	5.179	26.742	26.747	31.335	29.168	1471.0	134.909	.47	8.18
550.0	554.2	5.021	33.893	4.977	26.795	26.800	31.392	29.338	1470.3	129.930	.43	3.61
575.0	579.4	4.877	33.885	4.832	26.805	26.810	31.406	29.465	1469.7	129.038	.40	7.65
600.0	604.6	4.723	33.922	4.677	26.852	26.857	31.456	29.628	1469.2	124.706	.36	7.49
650.0	655.1	4.485	34.001	4.435	26.941	26.946	31.551	29.950	1468.4	116.460	.33	2.73
700.0	705.5	4.280	33.988	4.228	26.952	26.958	31.567	30.195	1467.6	115.501	.27	5.18
750.0	756.0	4.200	34.032	4.144	26.995	27.001	31.612	30.469	1467.4	111.793	.21	8.82
800.0	806.5	3.761	34.131	3.704	27.119	27.125	31.746	30.829	1465.8	99.844	.15	5.70
850.0	857.0	3.712	34.190	3.651	27.171	27.177	31.799	31.112	1465.8	95.289	.10	-3.96
900.0	907.5	3.595	34.143	3.531	27.145	27.152	31.777	31.319	1465.3	97.780	.00	8.09

## STATION 169

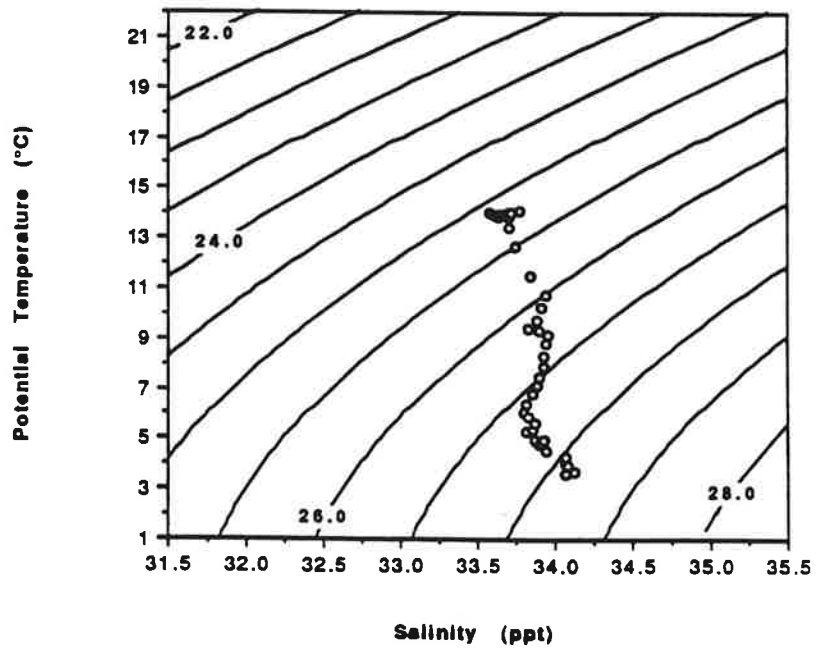
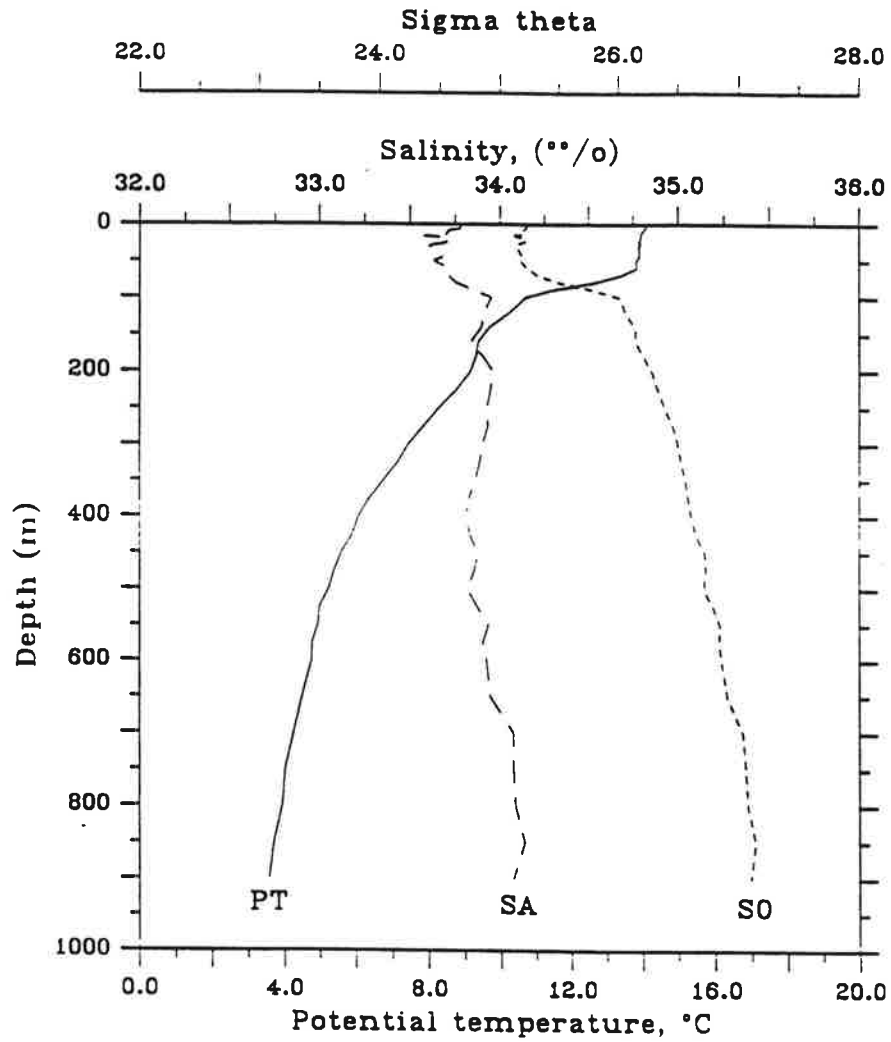


## STATION 170

LATITUDE: 41.0000 N LONGITUDE: 167.9833 W DATE: 4 NOV 1989

DEPTH	PRESS	TEMP	SAL	THETA	SIGT	SIGO	SIG1	SIG2	SOUND	AVOL	DYNH	BVAI
.0	.0	14.107	33.780	14.107	25.223	25.223	29.638	25.223	1502.4	273.555	1.42	.00
2.0	2.0	14.107	33.780	14.106	25.223	25.223	29.638	25.232	1502.4	273.608	1.40	.30
4.0	4.0	14.107	33.780	14.106	25.223	25.223	29.638	25.241	1502.4	273.660	1.39	.30
6.0	6.0	14.107	33.780	14.106	25.223	25.223	29.638	25.250	1502.4	273.713	1.39	-21.96
8.0	8.0	14.048	33.725	14.047	25.192	25.192	29.609	25.228	1502.1	276.688	1.38	-13.25
10.0	10.1	14.033	33.706	14.031	25.181	25.181	29.598	25.226	1502.1	277.806	1.38	16.85
12.0	12.1	13.969	33.712	13.968	25.199	25.199	29.617	25.253	1501.9	276.135	1.37	-12.72
14.0	14.1	13.979	33.701	13.977	25.189	25.189	29.606	25.252	1501.9	277.169	1.36	-38.45
16.0	16.1	13.987	33.582	13.985	25.095	25.095	29.513	25.167	1501.8	286.184	1.36	36.00
18.0	18.1	13.960	33.681	13.957	25.177	25.178	29.596	25.258	1501.8	278.380	1.35	-15.28
20.0	20.1	13.960	33.662	13.957	25.162	25.163	29.581	25.252	1501.8	279.849	1.35	9.54
22.0	22.1	13.948	33.666	13.945	25.168	25.169	29.587	25.267	1501.8	279.349	1.34	25.17
24.0	24.1	13.907	33.708	13.903	25.208	25.209	29.628	25.316	1501.7	275.560	1.34	-21.70
26.0	26.2	13.962	33.684	13.958	25.178	25.179	29.597	25.295	1501.8	278.468	1.33	-25.32
28.0	28.2	13.967	33.632	13.963	25.138	25.138	29.556	25.263	1501.8	282.407	1.32	-8.17
30.0	30.2	13.896	33.607	13.891	25.133	25.134	29.553	25.268	1501.5	282.861	1.32	10.59
35.0	35.2	13.929	33.639	13.924	25.151	25.152	29.571	25.308	1501.7	281.294	1.31	9.76
40.0	40.2	13.923	33.657	13.917	25.166	25.167	29.586	25.346	1501.7	279.981	1.30	10.84
45.0	45.3	13.921	33.681	13.914	25.185	25.186	29.605	25.387	1501.7	278.331	1.28	-10.62
50.0	50.3	13.830	33.633	13.823	25.167	25.169	29.589	25.392	1501.4	280.165	1.27	13.15
60.0	60.4	13.861	33.713	13.852	25.222	25.224	29.643	25.492	1501.6	275.189	1.26	16.90
70.0	70.4	13.405	33.710	13.395	25.313	25.315	29.742	25.628	1500.1	266.750	1.23	24.20
80.0	80.5	12.635	33.753	12.624	25.500	25.502	29.941	25.860	1497.6	249.175	1.20	30.34
90.0	90.5	11.483	33.850	11.471	25.793	25.795	30.254	26.200	1493.8	221.396	1.17	26.05
100.0	100.6	10.715	33.950	10.703	26.009	26.011	30.483	26.463	1491.3	200.957	1.15	8.72
120.0	120.8	10.266	33.912	10.252	26.058	26.060	30.541	26.603	1489.6	196.691	1.13	11.34
140.0	140.9	9.704	33.895	9.688	26.139	26.142	30.634	26.776	1487.6	189.193	1.09	3.23
160.0	161.0	9.386	33.837	9.369	26.146	26.149	30.647	26.875	1486.4	188.862	1.05	9.99
180.0	181.1	9.325	33.906	9.306	26.209	26.213	30.712	27.029	1486.3	183.193	1.01	10.20
200.0	201.3	9.175	33.959	9.153	26.276	26.279	30.781	27.187	1485.9	177.239	.97	7.95
225.0	226.5	8.789	33.945	8.765	26.326	26.330	30.839	27.353	1484.5	172.780	.94	8.67
250.0	251.6	8.301	33.926	8.275	26.386	26.389	30.909	27.528	1482.7	167.336	.89	9.16
275.0	276.8	7.881	33.931	7.854	26.452	26.456	30.985	27.711	1481.1	161.225	.85	6.97
300.0	302.0	7.452	33.901	7.423	26.491	26.495	31.032	27.866	1479.5	157.720	.81	5.95
325.0	327.2	7.161	33.885	7.131	26.519	26.523	31.067	28.010	1478.4	155.255	.76	6.70
350.0	352.4	6.764	33.861	6.732	26.554	26.559	31.111	28.163	1476.9	151.974	.72	5.21
375.0	377.6	6.383	33.825	6.350	26.575	26.580	31.141	28.302	1475.4	149.997	.69	5.70
400.0	402.7	6.082	33.808	6.047	26.601	26.605	31.174	28.444	1474.2	147.639	.65	6.96
425.0	427.9	5.903	33.829	5.867	26.639	26.644	31.216	28.599	1473.6	144.156	.61	9.66
450.0	453.1	5.601	33.876	5.563	26.714	26.718	31.297	28.791	1472.5	137.169	.57	3.11
475.0	478.3	5.396	33.854	5.357	26.721	26.726	31.309	28.915	1471.6	136.530	.54	-4.29
500.0	503.5	5.250	33.814	5.209	26.706	26.711	31.298	29.017	1471.0	138.037	.50	9.75
525.0	528.7	4.990	33.871	4.948	26.782	26.786	31.379	29.210	1470.1	130.891	.47	8.18
550.0	554.0	4.942	33.932	4.899	26.835	26.840	31.434	29.379	1470.0	126.074	.43	-2.69
575.0	579.2	4.779	33.901	4.734	26.829	26.834	31.432	29.490	1469.4	126.674	.40	4.72
600.0	604.4	4.761	33.921	4.715	26.847	26.852	31.450	29.623	1469.4	125.226	.37	5.39
650.0	654.8	4.487	33.941	4.438	26.893	26.898	31.503	29.902	1468.3	120.982	.33	8.93
700.0	705.3	4.248	34.069	4.196	27.020	27.025	31.635	30.262	1467.6	109.155	.27	3.97
750.0	755.7	4.011	34.069	3.956	27.044	27.050	31.665	30.521	1466.7	106.860	.21	3.23
800.0	806.2	3.928	34.079	3.869	27.061	27.067	31.684	30.768	1466.4	105.569	.16	6.42
850.0	856.7	3.690	34.131	3.629	27.126	27.132	31.755	31.068	1465.6	99.385	.10	-4.85
900.0	907.2	3.567	34.068	3.503	27.088	27.094	31.721	31.263	1465.1	103.029	.00	7.61

STATION 170









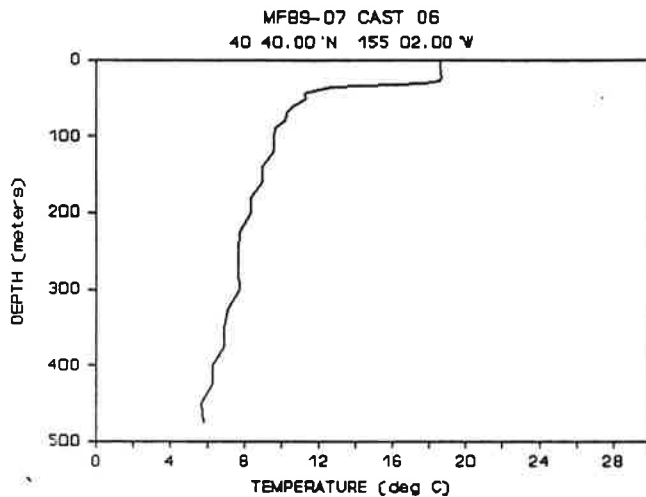


## **APPENDIX C**

**XBT CASTS: Tabulated data and profiles.**

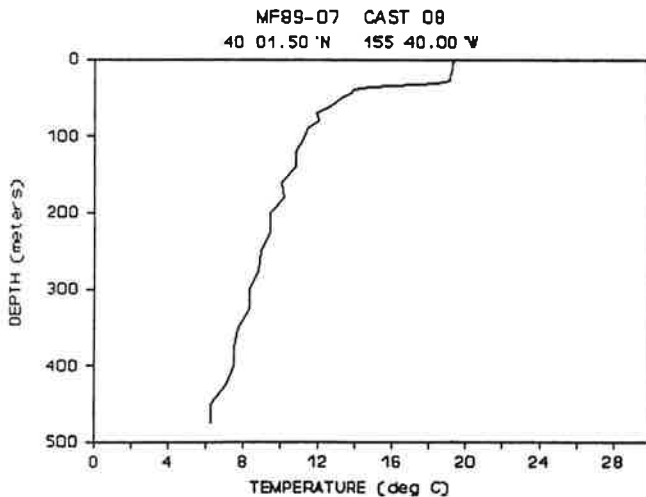


T-07 XBT probe  
October 07 1989, 1715 Local



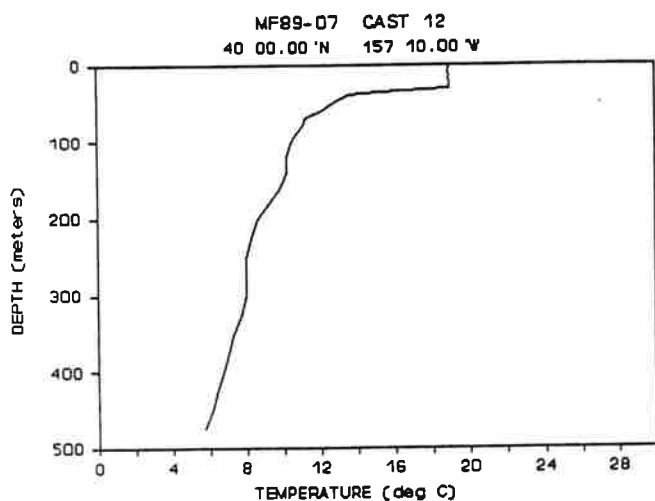
DEPTH	TEMP.	DEPTH	TEMP.
0	18.6	60	10.6
2	18.6	70	10.3
4	18.6	80	10.2
6	18.6	90	9.7
8	18.6	100	9.5
10	18.6	120	9.6
12	18.6	140	9.0
14	18.6	160	8.9
16	18.6	180	8.3
18	18.6	200	8.3
20	18.6	225	7.7
22	18.6	250	7.7
24	18.6	275	7.7
26	18.6	300	7.7
28	18.6	325	7.1
30	17.8	350	6.9
35	12.6	375	6.9
40	12.0	400	6.3
45	11.3	425	6.3
50	11.3	450	5.6
		475	5.8

T-07 XBT probe  
October 08 1989, 1219 Local



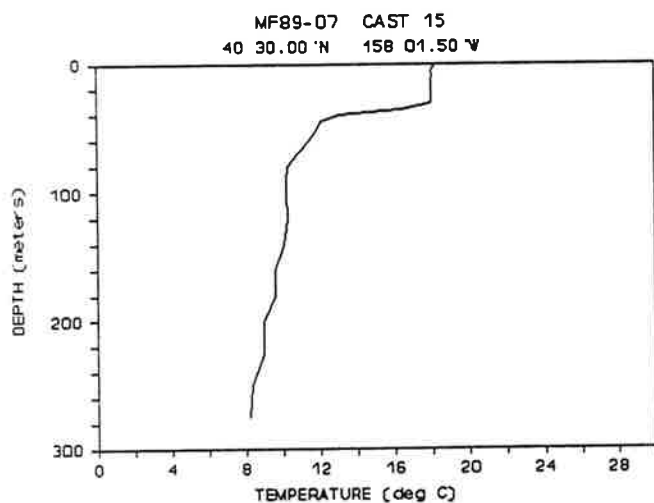
DEPTH	TEMP.	DEPTH	TEMP.
0	19.3	60	12.7
2	19.3	70	11.9
4	19.3	80	12.1
6	19.3	90	11.4
8	19.3	100	11.3
10	19.3	120	10.8
12	19.3	140	10.8
14	19.3	160	10.1
16	19.2	180	10.2
18	19.2	200	9.5
20	19.2	225	9.4
22	19.2	250	9.0
24	19.2	275	8.8
26	19.2	300	8.3
28	19.2	325	8.3
30	18.4	350	7.7
35	14.8	375	7.5
40	13.9	400	7.5
45	13.8	425	7.1
50	13.2	450	6.3
		475	6.3

T-07 XBT probe  
October 08 1989, 1805 Local



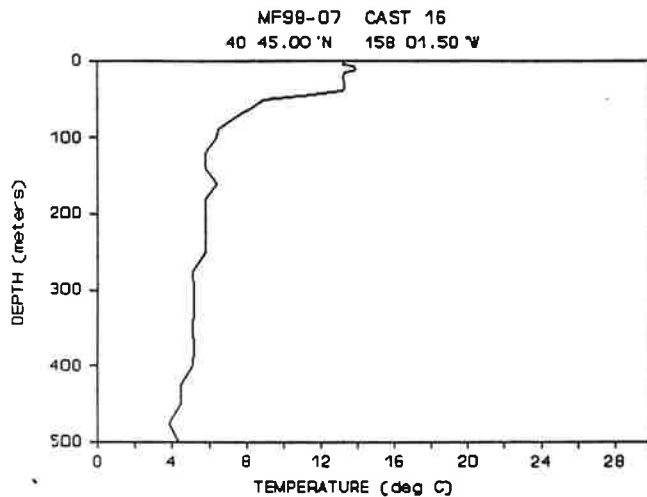
DEPTH	TEMP.	DEPTH	TEMP.
0	18.9	60	12.0
2	18.9	70	11.2
4	18.9	80	11.1
6	18.9	90	10.8
8	18.9	100	10.5
10	18.9	120	10.2
12	18.9	140	10.2
14	18.9	160	9.8
16	19.0	180	9.3
18	18.9	200	8.6
20	18.9	225	8.3
22	18.9	250	8.0
24	18.9	275	8.0
26	18.9	300	8.0
28	18.9	325	7.7
30	18.9	350	7.3
35	15.2	375	7.0
40	13.5	400	6.8
45	13.2	425	6.4
50	12.6	450	6.1
		475	5.7

T-04 XBT probe  
October 09 1989, 1121 Local



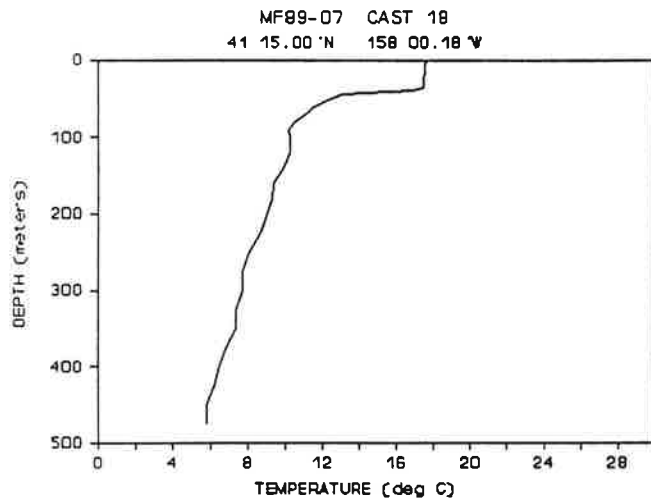
DEPTH	TEMP.	DEPTH	TEMP.
0	18.1	35	16.4
2	18.1	40	13.1
4	18.0	45	12.1
6	18.0	50	11.9
8	18.0	60	11.5
10	18.0	70	10.8
12	18.0	80	10.2
14	18.0	90	10.2
16	18.0	100	10.2
18	18.0	120	10.2
20	18.0	140	10.1
22	18.0	160	9.6
24	18.0	180	9.6
26	18.0	200	9.0
28	18.0	225	9.0
30	18.0	250	8.4
		275	8.2

T-07 XBT probe  
October 09 1989, 1240 Local



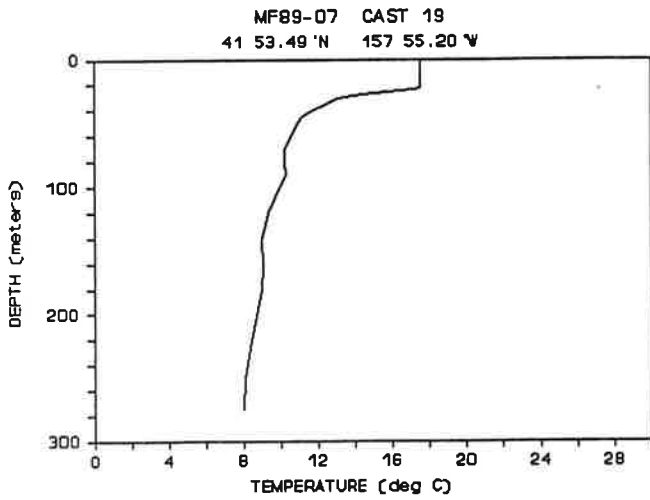
DEPTH	TEMP.	DEPTH	TEMP.
0	13.3	70	7.7
2	13.3	80	7.1
4	13.3	90	6.5
6	13.2	100	6.4
8	13.9	120	5.8
10	13.9	140	5.8
12	13.9	160	6.4
14	13.9	180	5.8
16	13.3	200	5.8
18	13.3	225	5.8
20	13.3	250	5.8
22	13.3	275	5.1
24	13.3	300	5.2
26	13.3	325	5.2
28	13.3	350	5.1
30	13.3	375	5.1
35	13.3	400	5.1
40	13.3	425	4.5
45	11.6	450	4.5
50	9.0	475	3.9
60	8.3	500	4.3

T-07 XBT probe  
October 09 1989, 1526 Local



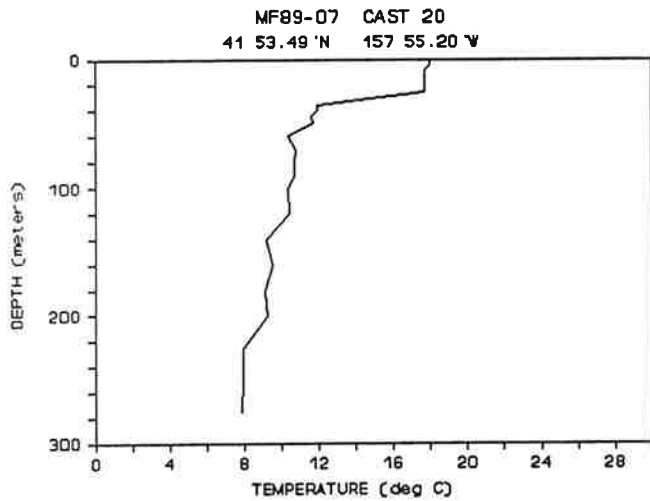
DEPTH	TEMP.	DEPTH	TEMP.
0	17.6	60	11.5
2	17.6	70	11.2
4	17.6	80	10.6
6	17.6	90	10.2
8	17.6	100	10.3
10	17.6	120	10.3
12	17.6	140	9.9
14	17.6	160	9.3
16	17.6	180	9.3
18	17.6	200	9.0
20	17.5	225	8.7
22	17.5	250	8.1
24	17.5	275	7.8
26	17.5	300	7.7
28	17.5	325	7.4
30	17.5	350	7.4
35	17.5	375	6.8
40	17.0	400	6.5
45	13.1	425	6.2
50	12.4	450	5.8
		475	5.8

T-04 XBT probe  
October 09 1989, 1712 Local



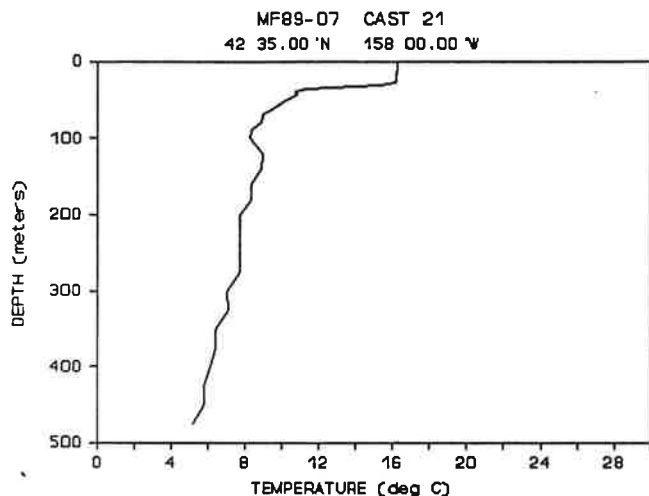
DEPTH	TEMP.	DEPTH	TEMP.
0	17.5	35	12.4
2	17.5	40	11.7
4	17.5	45	11.2
6	17.5	50	10.9
8	17.5	60	10.5
10	17.5	70	10.2
12	17.5	80	10.2
14	17.5	90	10.3
16	17.5	100	9.9
18	17.5	120	9.3
20	17.5	140	9.0
22	17.5	160	9.0
24	17.1	180	9.0
26	15.7	200	8.7
28	14.4	225	8.3
30	13.0	250	8.1
		275	8.0

T-04 XBT probe  
October 09 1989, 1855 Local



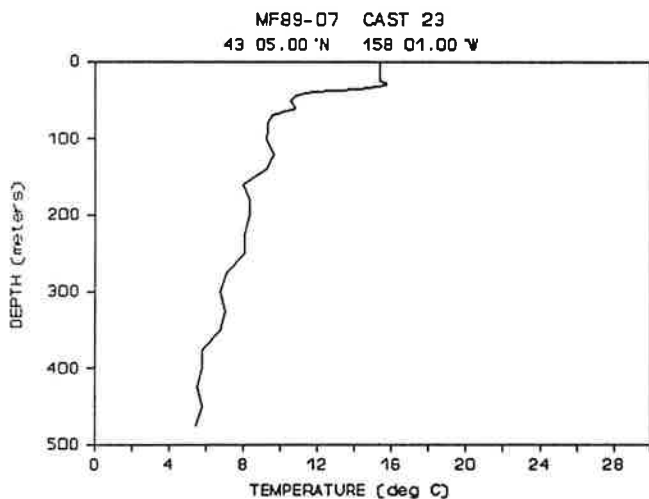
DEPTH	TEMP.	DEPTH	TEMP.
0	18.0	35	11.9
2	18.0	40	11.9
4	17.9	45	11.6
6	17.8	50	11.7
8	17.7	60	10.4
10	17.7	70	10.7
12	17.7	80	10.7
14	17.7	90	10.7
16	17.7	100	10.4
18	17.7	120	10.4
20	17.7	140	9.2
22	17.7	160	9.5
24	17.7	180	9.1
26	17.7	200	9.2
28	16.6	225	7.9
30	14.7	250	7.9
		275	7.9

T-07 XBT probe  
October 10 1989, 1243 Local



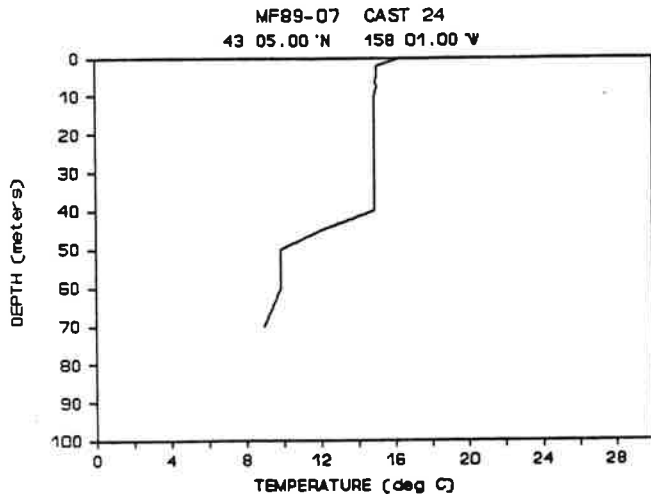
DEPTH	TEMP.	DEPTH	TEMP.
0	16.2	60	9.6
2	16.2	70	8.9
4	16.2	80	8.9
6	16.2	90	8.3
8	16.2	100	8.3
10	16.2	120	8.9
12	16.2	140	8.9
14	16.2	160	8.3
16	16.2	180	8.4
18	16.2	200	7.7
20	16.2	225	7.7
22	16.2	250	7.7
24	16.2	275	7.7
26	16.2	300	7.0
28	16.2	325	7.1
30	15.3	350	6.4
35	11.4	375	6.4
40	10.8	400	6.1
45	10.8	425	5.8
50	10.2	450	5.8
		475	5.2

T-07 XBT probe  
October 10 1989, 1513 Local



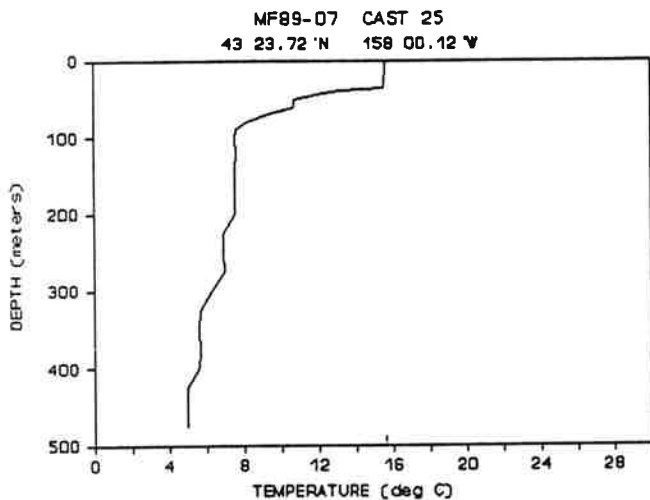
DEPTH	TEMP.	DEPTH	TEMP.
0	15.4	60	10.8
2	15.4	70	9.6
4	15.4	80	9.3
6	15.4	90	9.3
8	15.4	100	9.3
10	15.4	120	9.6
12	15.4	140	9.3
14	15.4	160	8.0
16	15.4	180	8.3
18	15.4	200	8.4
20	15.4	225	8.1
22	15.4	250	8.1
24	15.4	275	7.1
26	15.4	300	6.7
28	15.7	325	7.1
30	15.7	350	6.8
35	14.3	375	5.8
40	11.8	400	5.8
45	10.9	425	5.5
50	10.5	450	5.8
		475	5.5

T-04 XBT probe  
October 10 1989, 1627 Local



DEPTH	TEMP.	DEPTH	TEMP.
0	16.2	22	14.9
2	15.0	24	14.9
4	15.0	26	14.9
6	15.0	28	14.9
8	15.0	30	14.9
10	14.9	35	14.9
12	14.9	40	14.9
14	14.9	45	12.1
16	14.9	50	9.8
18	14.9	60	9.9
20	14.9	70	9.0

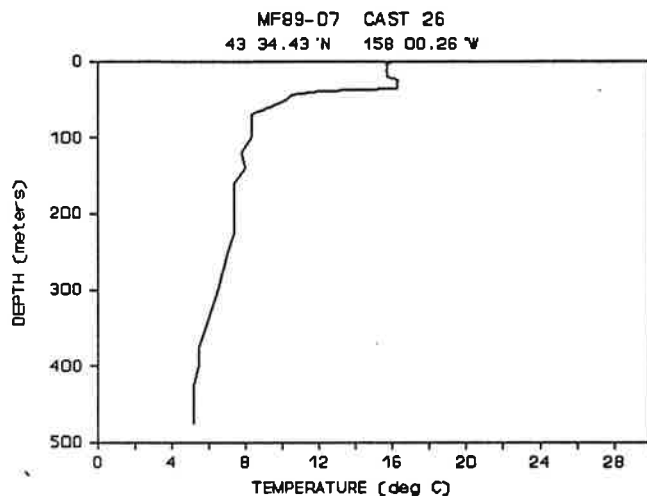
T-07 XBT probe  
October 10 1989, 1639 Local



DEPTH	TEMP.	DEPTH	TEMP.
0	15.6	60	10.7
2	15.6	70	9.4
4	15.6	80	8.2
6	15.6	90	7.6
8	15.6	100	7.5
10	15.6	120	7.6
12	15.6	140	7.5
14	15.6	160	7.5
16	15.6	180	7.5
18	15.6	200	7.5
20	15.5	225	6.9
22	15.5	250	6.9
24	15.5	275	6.9
26	15.5	300	6.3
28	15.5	325	5.6
30	15.5	350	5.6
35	15.5	375	5.6
40	13.2	400	5.6
45	11.9	425	5.0
50	10.7	450	5.0
		475	5.0

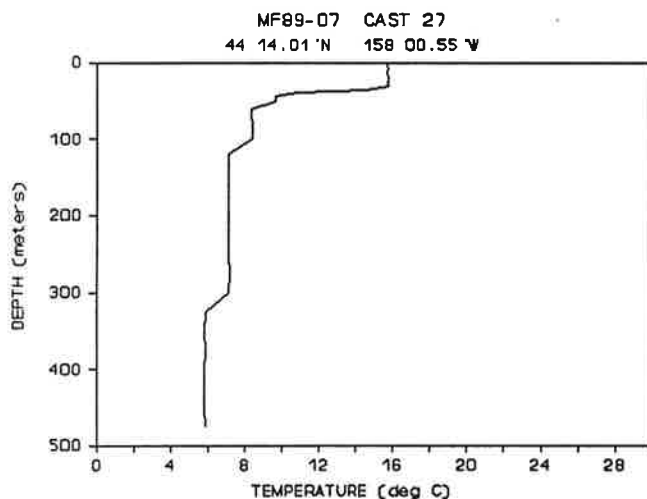


T-07 XBT probe  
October 10 1989, 1749 Local



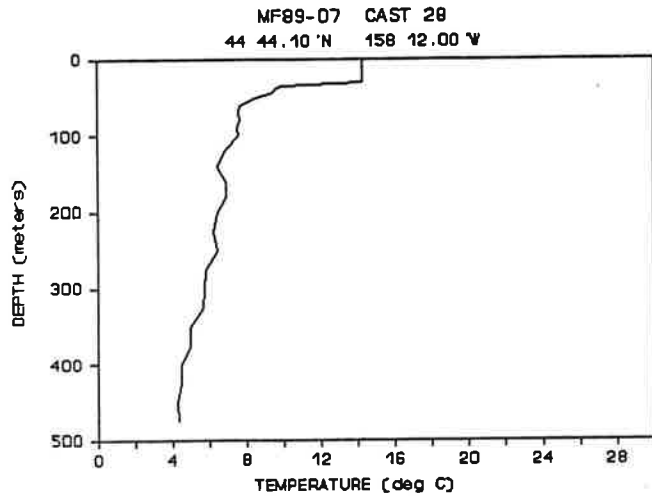
DEPTH	TEMP.	DEPTH	TEMP.
0	15.7	60	9.3
2	15.9	70	8.3
4	15.7	80	8.4
6	15.7	90	8.4
8	15.7	100	8.3
10	15.7	120	7.8
12	15.7	140	8.0
14	15.7	160	7.4
16	15.7	180	7.4
18	15.7	200	7.4
20	15.7	225	7.4
22	16.0	250	7.1
24	16.3	275	6.8
26	16.3	300	6.4
28	16.3	325	6.1
30	16.3	350	5.8
35	16.2	375	5.5
40	12.1	400	5.4
45	10.5	425	5.2
50	10.2	450	5.2
		475	5.2

T-07 XBT probe  
October 11 1989, 0043 Local



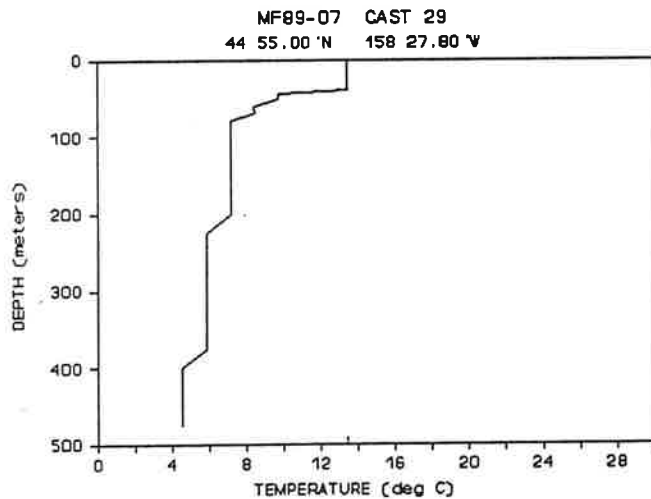
DEPTH	TEMP.	DEPTH	TEMP.
0	15.8	60	8.4
2	15.7	70	8.4
4	15.7	80	8.4
6	15.7	90	8.4
8	15.8	100	8.4
10	15.7	120	7.1
12	15.7	140	7.1
14	15.7	160	7.1
16	15.7	180	7.1
18	15.8	200	7.1
20	15.8	225	7.1
22	15.8	250	7.1
24	15.8	275	7.1
26	15.7	300	7.1
28	15.8	325	5.8
30	15.8	350	5.8
35	14.6	375	5.8
40	10.9	400	5.8
45	9.6	425	5.8
50	9.6	450	5.8
		475	5.9

T-07 XBT probe  
October 11 1989, 1027 Local



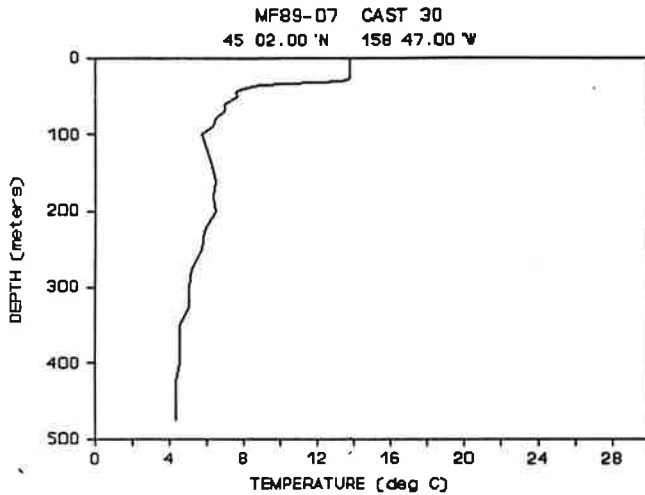
DEPTH	TEMP.	DEPTH	TEMP.
0	14.3	60	7.7
2	14.3	70	7.6
4	14.3	80	7.7
6	14.3	90	7.5
8	14.3	100	7.6
10	14.3	120	6.8
12	14.3	140	6.4
14	14.3	160	6.9
16	14.3	180	6.9
18	14.3	200	6.4
20	14.3	225	6.2
22	14.3	250	6.4
24	14.3	275	5.8
26	14.3	300	5.8
28	14.3	325	5.6
30	14.3	350	5.0
35	9.9	375	5.0
40	9.6	400	4.5
45	9.4	425	4.5
50	8.5	450	4.3
		475	4.3

T-04 XBT probe  
October 11 1989, 1151 Local



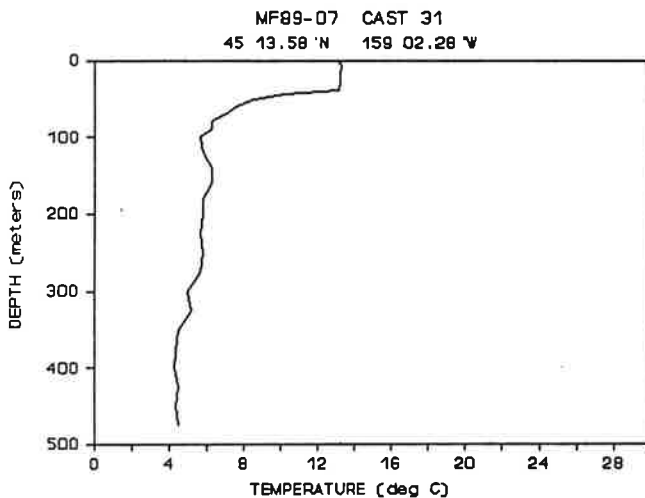
DEPTH	TEMP.	DEPTH	TEMP.
0	13.4	60	8.4
2	13.4	70	8.5
4	13.4	80	7.1
6	13.4	90	7.2
8	13.4	100	7.2
10	13.4	120	7.2
12	13.4	140	7.2
14	13.5	160	7.2
16	13.4	180	7.2
18	13.4	200	7.2
20	13.4	225	5.9
22	13.4	250	5.9
24	13.4	275	5.9
26	13.4	300	5.9
28	13.4	325	5.9
30	13.4	350	5.9
35	13.5	375	5.9
40	13.5	400	4.6
45	9.7	425	4.6
50	9.7	450	4.6
		475	4.5

T-07 XBT probe  
October 11 1989, 1309 Local



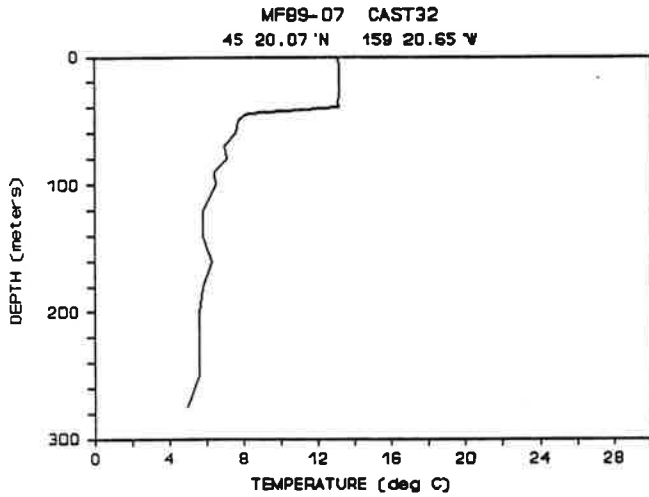
DEPTH	TEMP.	DEPTH	TEMP.
0	13.8	60	6.9
2	13.8	70	7.0
4	13.8	80	6.5
6	13.8	90	6.3
8	13.8	100	5.7
10	13.8	120	6.0
12	13.8	140	6.3
14	13.8	160	6.5
16	13.8	180	6.3
18	13.8	200	6.5
20	13.8	225	5.9
22	13.8	250	5.8
24	13.8	275	5.2
26	13.8	300	5.0
28	13.8	325	5.1
30	13.3	350	4.5
35	8.9	375	4.5
40	8.2	400	4.5
45	7.6	425	4.4
50	7.7	450	4.3
		475	4.4

T-07 XBT probe  
October 11 1989, 1444 Local



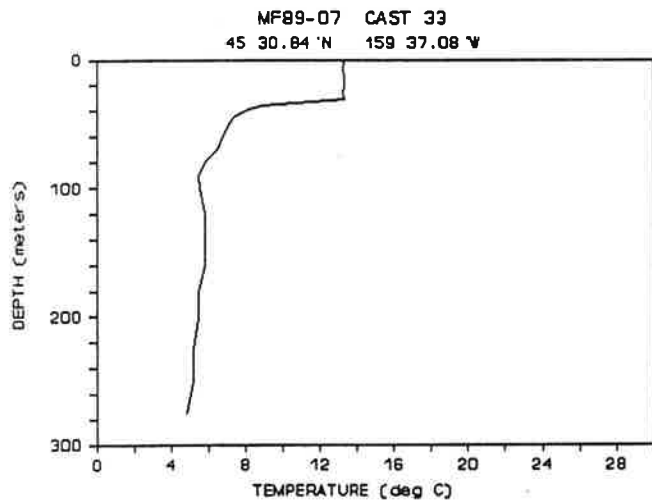
DEPTH	TEMP.	DEPTH	TEMP.
0	13.3	60	7.5
2	13.3	70	7.1
4	13.2	80	6.3
6	13.3	90	6.3
8	13.3	100	5.6
10	13.3	120	5.8
12	13.3	140	6.2
14	13.3	160	6.3
16	13.3	180	5.8
18	13.2	200	5.8
20	13.3	225	5.6
22	13.3	250	5.8
24	13.2	275	5.7
26	13.3	300	5.0
28	13.3	325	5.2
30	13.2	350	4.5
35	13.2	375	4.3
40	13.1	400	4.3
45	10.2	425	4.5
50	8.5	450	4.4
		475	4.5

T-04 XBT probe  
October 11 1989, 1620 Local

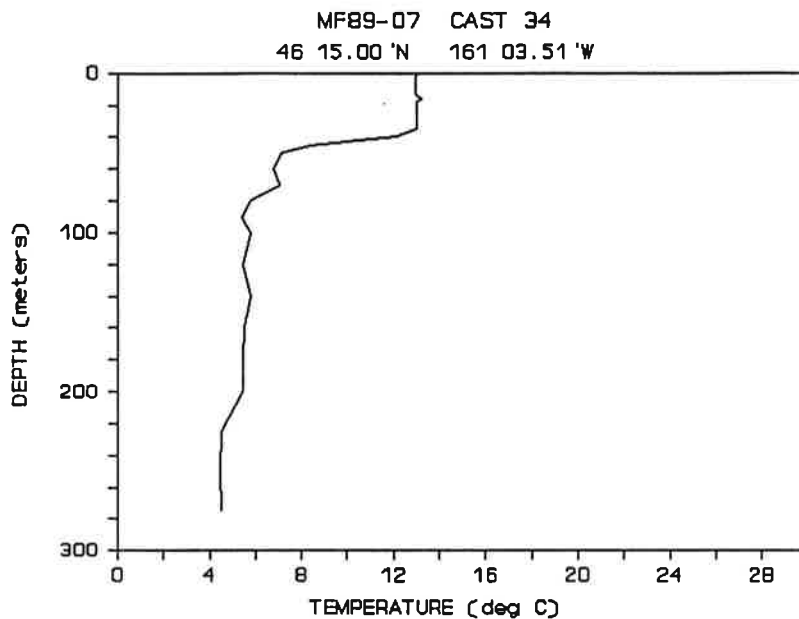


DEPTH	TEMP.	DEPTH	TEMP.
0	13.1	35	13.1
2	13.1	40	13.1
4	13.1	45	8.2
6	13.1	50	7.7
8	13.1	60	7.6
10	13.1	70	6.9
12	13.1	80	7.1
14	13.1	90	6.4
16	13.1	100	6.4
18	13.1	120	5.8
20	13.1	140	5.8
22	13.1	160	6.3
24	13.1	180	5.8
26	13.1	200	5.6
28	13.1	225	5.6
30	13.1	250	5.6
		275	5.0

T-04 XBT probe  
October 11 1989, 1749 Local

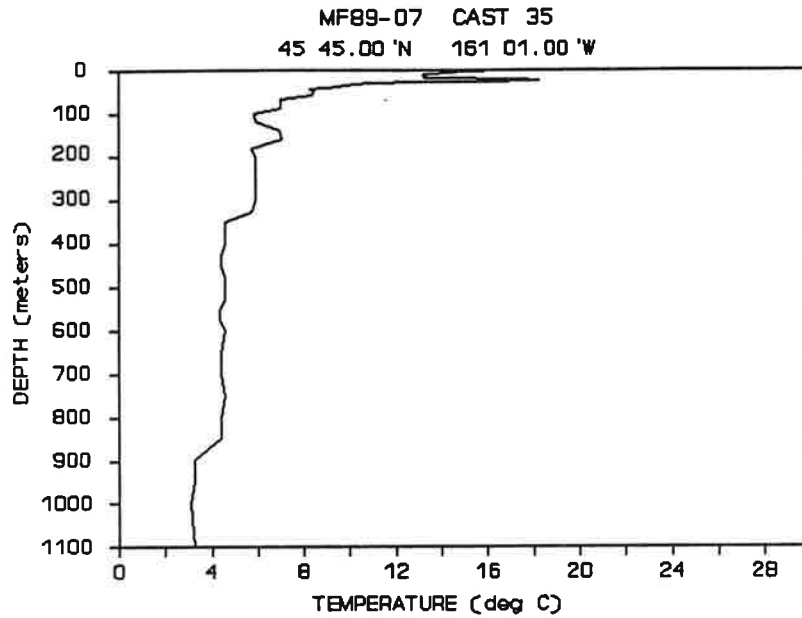


DEPTH	TEMP.	DEPTH	TEMP.
0	13.3	35	8.9
2	13.3	40	8.0
4	13.3	45	7.4
6	13.3	50	7.1
8	13.3	60	6.8
10	13.3	70	6.4
12	13.3	80	5.8
14	13.3	90	5.5
16	13.3	100	5.5
18	13.3	120	5.8
20	13.3	140	5.8
22	13.3	160	5.8
24	13.3	180	5.5
26	13.3	200	5.5
28	13.3	225	5.1
30	13.3	250	5.2
		275	4.8



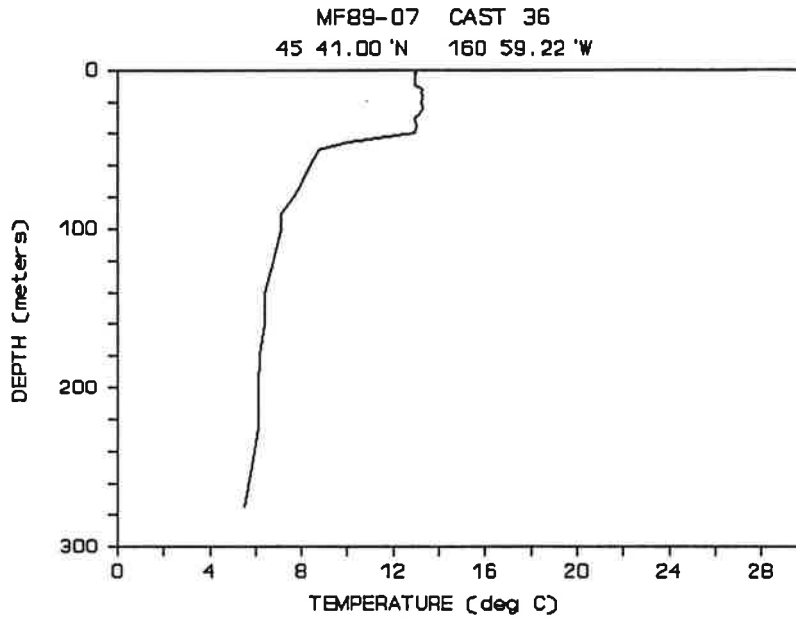
T-04 XBT probe  
October 12 1989, 0951 Local

DEPTH	TEMP.	DEPTH	TEMP.
0	13.0	35	13.0
2	12.9	40	12.1
4	12.9	45	8.4
6	12.9	50	7.1
8	12.9	60	6.8
10	12.9	70	7.1
12	13.0	80	5.8
14	13.0	90	5.4
16	13.2	100	5.8
18	13.0	120	5.5
20	13.0	140	5.8
22	13.0	160	5.5
24	13.0	180	5.4
26	13.0	200	5.4
28	13.0	225	4.5
30	13.0	250	4.5
		275	4.5



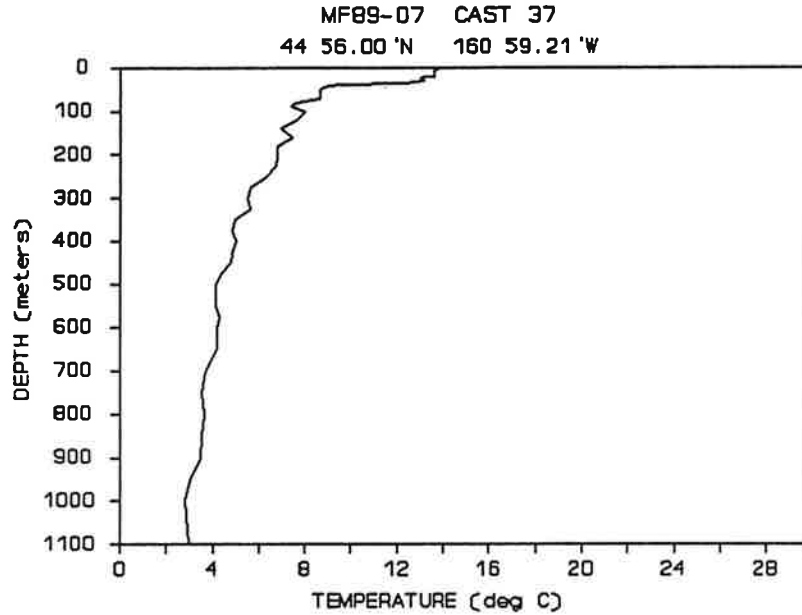
T-05 XBT probe  
October 12 1989, 1303 Local

DEPTH	TEMP.	DEPTH	TEMP.	DEPTH	TEMP.
0	14.5	45	8.2	375	4.5
2	17.0	50	8.4	400	4.5
4	14.6	60	8.3	425	4.3
6	14.3	70	7.0	450	4.4
8	14.6	80	7.0	475	4.5
10	13.2	90	7.0	500	4.5
12	13.1	100	5.8	525	4.5
14	13.3	120	5.8	550	4.3
16	13.3	140	6.9	575	4.3
18	13.2	160	7.0	600	4.5
20	13.6	180	5.7	650	4.4
22	17.3	200	5.8	700	4.3
24	18.2	225	5.8	750	4.5
26	15.6	250	5.8	800	4.4
28	13.0	275	5.8	850	4.4
30	10.8	300	5.8	900	3.2
35	9.6	325	5.7	950	3.2
40	9.6	350	4.5	1000	3.0
				1100	3.2



T-04 XBT probe  
October 12 1989, 1559 Local

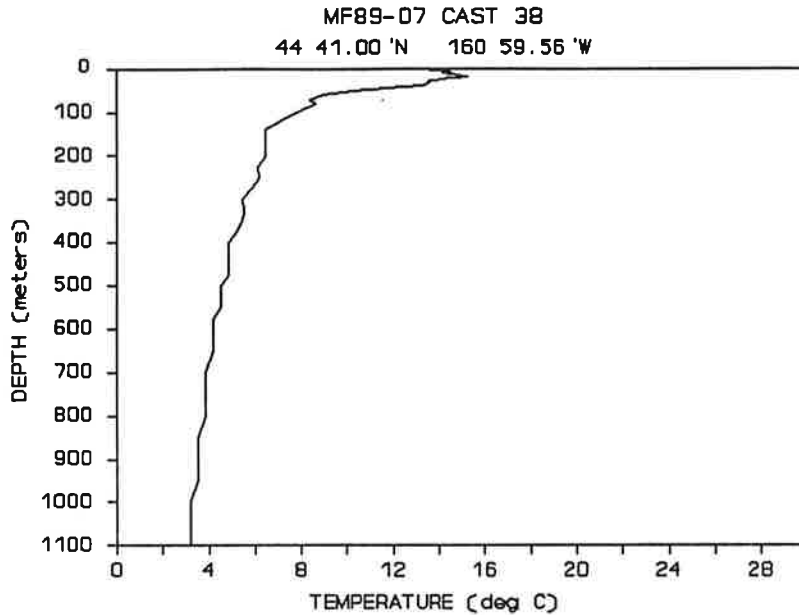
DEPTH	TEMP.	DEPTH	TEMP.
0	13.0	35	13.0
2	13.0	40	12.9
4	12.9	45	10.1
6	12.9	50	8.8
8	13.0	60	8.4
10	12.9	70	8.1
12	13.3	80	7.6
14	13.2	90	7.1
16	13.3	100	7.1
18	13.3	120	6.8
20	13.2	140	6.4
22	13.3	160	6.4
24	13.3	180	6.2
26	13.2	200	6.1
28	13.1	225	6.1
30	13.0	250	5.8
		275	5.5



T-05 XBT probe  
October 12 1989, 1733 Local

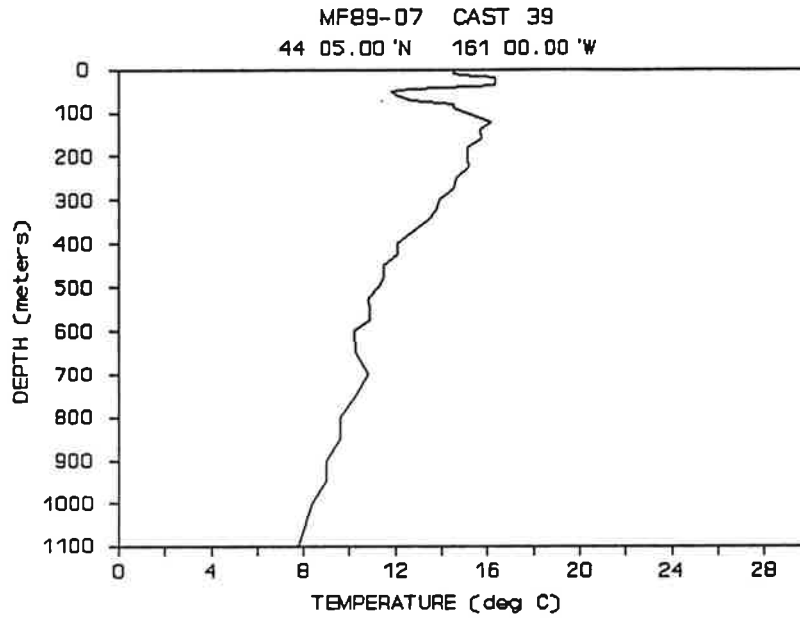
DEPTH	TEMP.	DEPTH	TEMP.	DEPTH	TEMP.
0	13.7	45	8.8	375	4.8
2	13.7	50	8.7	400	5.0
4	13.7	60	8.6	425	4.8
6	13.6	70	8.6	450	4.8
8	13.6	80	7.6	475	4.3
10	13.5	90	7.4	500	4.1
12	13.6	100	8.0	525	4.1
14	13.6	120	7.6	550	4.1
16	13.6	140	6.9	575	4.3
18	13.5	160	7.4	600	4.2
20	13.6	180	6.8	650	4.2
22	13.1	200	6.8	700	3.7
24	13.0	225	6.7	750	3.5
26	13.0	250	6.3	800	3.6
28	13.1	275	5.6	850	3.5
30	13.1	300	5.5	900	3.5
35	12.3	325	5.6	950	3.0
40	9.4	350	5.0	1000	2.8
				1100	3.0





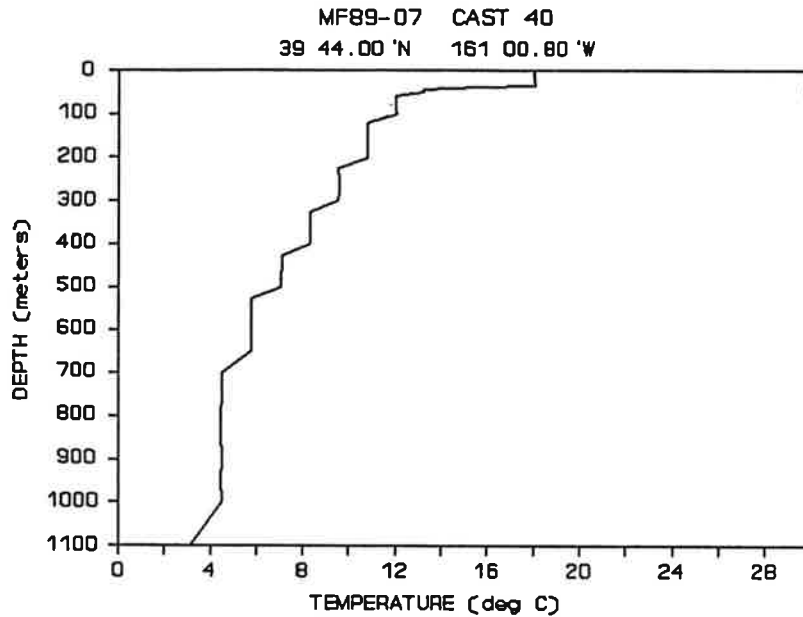
T-05 XBT probe  
October 12 1989, 1844 Local

DEPTH	TEMP.	DEPTH	TEMP.	DEPTH	TEMP.
0	13.6	45	11.7	375	5.2
2	13.6	50	10.2	400	4.8
4	13.8	60	9.0	425	4.8
6	14.5	70	8.4	450	4.8
8	14.6	80	8.7	475	4.8
10	14.2	90	8.2	500	4.5
12	14.5	100	7.7	525	4.5
14	15.0	120	7.1	550	4.5
16	14.7	140	6.4	575	4.2
18	15.2	160	6.4	600	4.2
20	14.8	180	6.4	650	4.2
22	14.5	200	6.5	700	3.9
24	14.1	225	6.1	750	3.9
26	13.9	250	6.1	800	3.8
28	13.6	275	5.8	850	3.5
30	13.6	300	5.5	900	3.5
35	13.4	325	5.5	950	3.5
40	13.3	350	5.5	1000	3.2
				1100	3.2



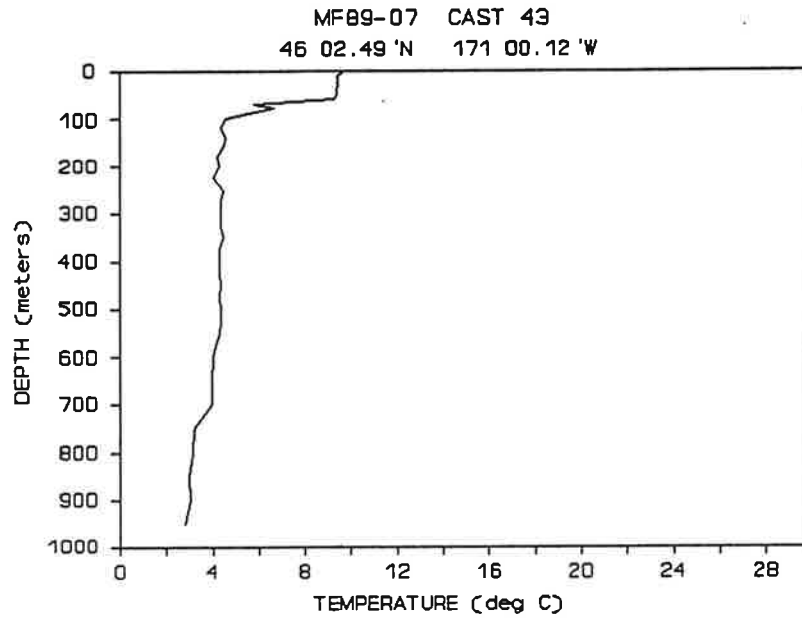
T-05 XBT probe  
October 13 1989, 0325 Local

DEPTH	TEMP.	DEPTH	TEMP.	DEPTH	TEMP.
0	14.5	45	12.7	375	12.7
2	14.5	50	11.8	400	12.1
4	14.5	60	12.0	425	12.1
6	14.5	70	12.7	450	11.5
8	14.5	80	14.5	475	11.5
10	14.5	90	14.5	500	11.2
12	14.9	100	15.1	525	10.8
14	15.5	120	16.1	550	10.9
16	15.7	140	15.7	575	10.9
18	16.3	160	15.7	600	10.2
20	16.3	180	15.1	650	10.2
22	16.3	200	15.1	700	10.8
24	16.3	225	15.1	750	10.2
26	16.3	250	14.6	800	9.6
28	16.3	275	14.5	850	9.6
30	16.3	300	13.9	900	9.0
35	16.3	325	13.7	950	9.0
40	15.3	350	13.3	1000	8.4
				1100	7.7



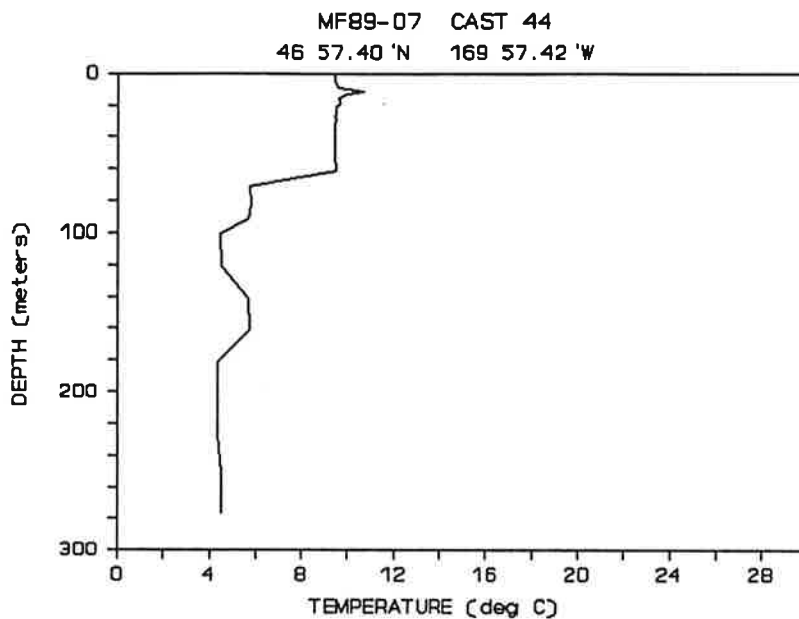
T-05 XBT probe  
October 14 1989, 1828 Local

DEPTH	TEMP.	DEPTH	TEMP.	DEPTH	TEMP.
0	18.0	45	13.2	375	8.3
2	18.0	50	13.2	400	8.3
4	18.0	60	12.0	425	7.1
6	18.0	70	12.0	450	7.1
8	18.0	80	12.0	475	7.0
10	18.0	90	12.0	500	7.0
12	18.0	100	12.0	525	5.8
14	18.0	120	10.8	550	5.8
16	18.0	140	10.8	575	5.8
18	18.0	160	10.8	600	5.8
20	18.0	180	10.8	650	5.8
22	18.0	200	10.8	700	4.5
24	18.0	225	9.5	750	4.5
26	18.0	250	9.6	800	4.5
28	18.0	275	9.6	850	4.5
30	18.0	300	9.5	900	4.5
35	18.1	325	8.3	950	4.5
40	15.6	350	8.3	1000	4.5
				1100	3.1



T-05 XBT probe  
November 01 1989, 1140 Local

DEPTH	TEMP.	DEPTH	TEMP.	DEPTH	TEMP.
0	9.5	40	9.4	350	4.4
2	9.5	45	9.4	375	4.3
4	9.6	50	9.4	400	4.3
6	9.6	60	9.2	425	4.3
8	9.4	70	5.8	450	4.3
10	9.4	80	6.7	475	4.3
12	9.4	90	5.5	500	4.3
14	9.4	100	4.5	525	4.3
16	9.4	120	4.3	550	4.3
18	9.4	140	4.5	575	4.1
20	9.4	160	4.5	600	4.0
22	9.4	180	4.2	650	4.0
24	9.4	200	4.3	700	4.0
26	9.4	225	4.0	750	3.2
28	9.4	250	4.5	800	3.1
30	9.4	275	4.3	850	3.0
35	9.4	300	4.3	900	3.0
		325	4.3	950	2.8



T-04 XBT probe  
November 01 1989, 2232 Local

DEPTH	TEMP.	DEPTH	TEMP.
0	9.4	35	9.4
2	9.4	40	9.4
4	9.4	45	9.4
6	9.5	50	9.4
8	9.6	60	9.5
10	10.7	70	5.7
12	10.0	80	5.8
14	9.6	90	5.7
16	9.6	100	4.5
18	9.6	120	4.5
20	9.5	140	5.7
22	9.5	160	5.8
24	9.5	180	4.4
26	9.4	200	4.3
28	9.5	225	4.3
30	9.4	250	4.5
		275	4.5