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WATER SAMPLE AND EXPENDABLE
BATHYTHERMOGRAPH (XBT) DATA FROM
R/V ATLANTIS II CRUISE 107 - LEG X

by

Alberto R. Piola
Daniel T. Georgi
Marvel C. Stalcup

September 1981

TECHNICAL REPORT

*Prepared for the National Science Foundation
Office of International Decade of Ocean
Exploration under Grant OCE 78-22223.*

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PRESSURE, TEMPERATURE, SALINITY AND DISSOLVED-OXYGEN
PROFILE DATA FROM R/V ATLANTIS II CRUISE 107 - LEG X

by

Daniel T. Georgi, Alberto R. Piola,
and
Nancy Galbraith

WOODS HOLE OCEANOGRAPHIC INSTITUTION
Woods Hole, Massachusetts 02543

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TECHNICAL REPORT

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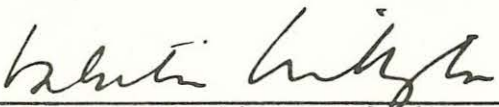

Valentine Worthington, Chairman
Department of Physical Oceanography



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Abstract

This report summarizes in graphical and tabular form the continuous conductivity-temperature-pressure-dissolved-oxygen (CTDO₂) data collected during the R/V ATLANTIS II Cruise 107, Leg X. These data were collected in the austral winter of 1980 as part of the International Southern Ocean Studies (ISOS) to evaluate and test various Antarctic Intermediate Water formation and circulation mechanisms.

1. INTRODUCTION

Continuous conductivity-temperature-pressure and dissolved-oxygen (CTDO₂) data from the southwestern Argentine Basin, northwestern Scotia Sea, and northern Drake Passage collected during the R/V ATLANTIS II Cruise 107, Leg X, are summarized in graphical and tabular form. These data were collected as a part of an austral winter hydrographic program for the International Southern Ocean Studies (ISOS) designed to evaluate various Antarctic Intermediate Water formation and circulation schemes (McCartney, 1977; Georgi, 1979; Molinelli, 1981). A discussion of the scientific goals has been given by Georgi and Piola (1981).

The R/V ATLANTIS II sailed from Mar del Plata, Argentina, August 5, and debarked after 33 days at sea in Punta Arenas, Chile, September 6, 1980. During the cruise, 99 CTDO₂ profiles were made (Figure 1) with one of two WHOI/Brown CTDO₂ profilers (Brown and Morrison, 1978). On most stations, profiles were made to within a few meters of the sea-floor, and up to 24 water samples were collected. These water samples provided the primary calibration data for the CTDO₂ conductivities (i.e., salinities) and dissolved-oxygen. In addition, the water sample data were analyzed for nutrient concentrations by members of Dr. L. Gordon's chemistry group of Oregon State University. The tabulated data from the 1500 water samples will be published in a separate volume. Water samples were also collected for tritium and helium-tritium analysis by Dr. W. Jenkins of Woods Hole Oceanographic Institution.

Along the 3972 nautical miles of track, between CTDO₂ stations, nearly 300 expendable bathythermographs (XBT) were collected, which will be reported with the water sample data.

2. CTDO₂ DATA COLLECTION AND PROCESSING METHODS

The CTDO₂ data were collected with two WHOI/Brown CTDO₂ systems referred to as CTD#3 and CTD#8. For stations 150-167 and 179-183, CTD#3

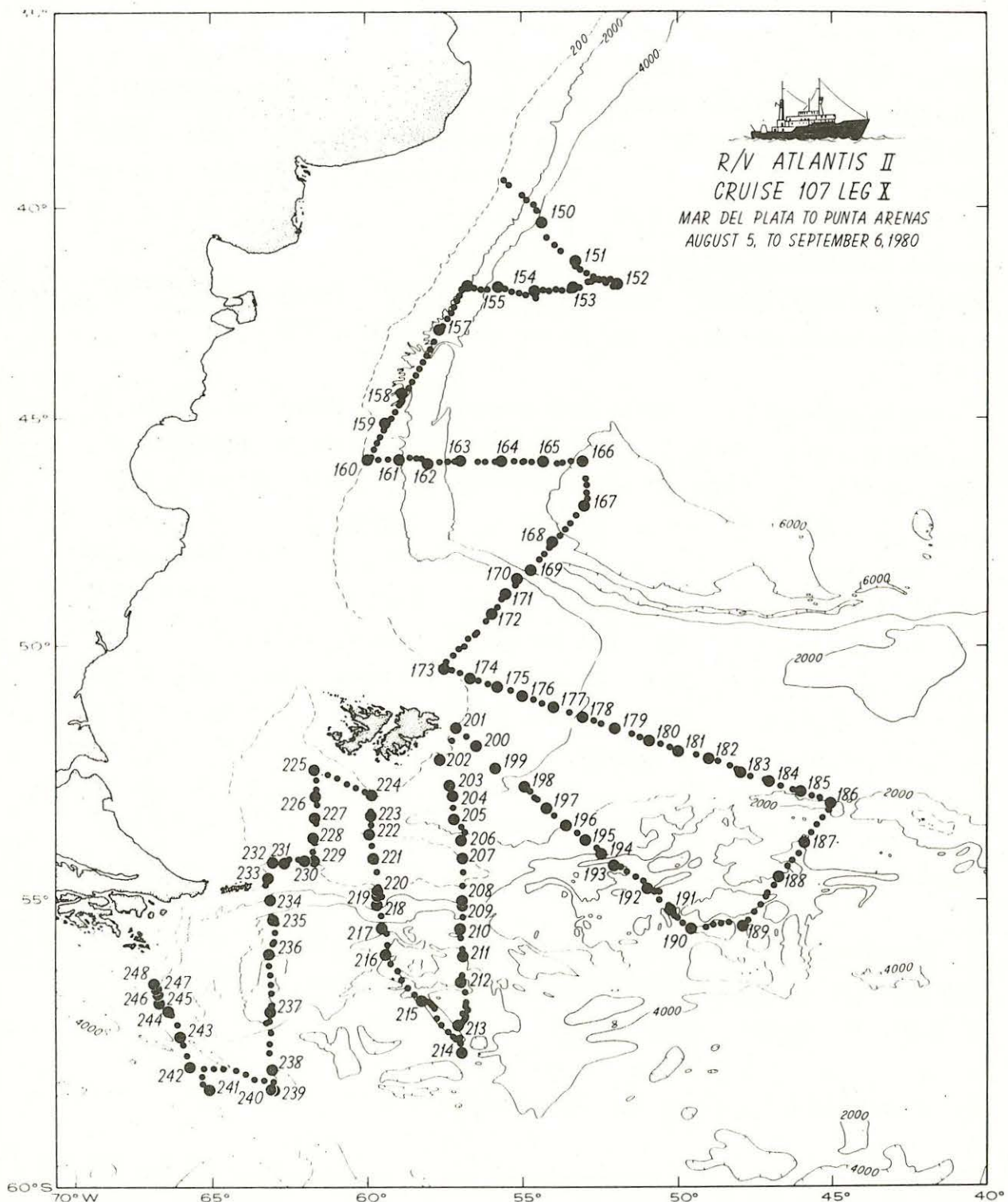


Figure 1: CTD_{O₂} and XBT station positions.

with a separate fast-response temperature sensor was used. For the remaining stations, CTD#8 with only a standard platinum thermometer was used. Both CTD₂ systems were equipped with a Beckman dissolved oxygen probe. To calibrate the CTD₂ salinities and dissolved-oxygens, a surface-activated water sampler, rosette, with 24 1.2-liter sample bottles was used (General Oceanics, Inc.). Generally, 1 to 3 thermometric temperatures and pressures were obtained on each station. However, as the pre- and post-cruise laboratory calibrations were consistent to millidegrees and decibars, the thermometric data were not used for CTD₂ calibration. However, the data were useful for sorting out rosette malfunctions.

During the cruise, two Hewlett-Packard mini-computers were used for CTD₂ data acquisition and editing. The post-cruise calibration and data processing were carried out on the WHOI VAX-11/70 computer system.

Shipboard salinity determinations were done with a Guildline Autosol 8400 salinometer which was standardized with Wormley Standard Water. Standardization was generally performed once per session or every 24 water samples. The salinometer calibration was found to drift less than .002‰ between standardizations and no drift corrections were applied to samples run between standardizations.

Dissolved oxygen determinations were made on 50 ml samples with a modified Winkler method. Repeated titrations indicate an accuracy of .05 ml/l.

Salinities were computed from the CTD₂ data with an algorithm similar to that described by Fofonoff et al. (1974), but updated (Millard, 1981) to use the 1978 practical salinity scale (Lewis, 1980). To calibrate CTD₂-derived salinities, the water sample salinities were inverted to obtain in situ conductivities and conductivity differences (rosette-CTD₂). These differences were analyzed using standard linear regression techniques. By adjusting the multiplicative constant, conductivity slope, used to

scale the CTD₀₂ conductivities, CTD#8 conductivity differences were reduced to 0 + .003 mmhos (Figure 2). The conductivity data from CTD#3 was somewhat more problematic, probably due to a failing conductivity cell. To calibrate CTD#3 conductivities, it was necessary to employ a pressure-dependent correction (equivalent salinity magnitude of .04‰). This correction was applied in the upper 1000 m, in addition to the standard multiplicative factor (Figure 3). Due to the erratic nature of the conductivity error, we believe that there may still be pressure-dependent errors as large as .01‰ in the CTD#3 salinities from the upper 1000 m. The accuracies of the deep water salinities are similar to those attained with CTD#8.

CTD₀₂ dissolved oxygens were calculated with the following algorithm:

$$O_2 = O_{2Sat}(T,S) \cdot (O_c \cdot A + B) e^{(T_{cor} \cdot T_w + P \cdot P_{cor} + T \cdot P \cdot TP_{cor})}$$

where O_2 : dissolved-oxygen [ml/l]
 T, S, P : the CTD₀₂ temperature, salinity and pressure
 O_{2Sat} : oxygen saturation [ml/l] (Weiss, 1970)
 O_c : CTD₀₂ oxygen current
 A, B : sensitivity and bias
 T_{cor} : temperature constant
 P_{cor} : pressure constant
 TP_{cor} : cross-term for temperature and pressure
 T_w : average of the CTD temperature and the oxygen probe temperature

Generally, CTD₀₂ dissolved-oxygens exhibit a hysteresis of 0(.1 ml/l) between down and up profile data. The source of this hysteresis is not well understood, but it is believed to be related to the behavior of the Teflon membrane used on the oxygen sensor. As the CTD₀₂ data of primary interest are collected during the descent portion of the station and the bottle data during the ascent, the CTD₀₂ and bottle dissolved-oxygens cannot be directly compared. To overcome this problem, density computed from the CTD₀₂ temperature and salinity data collected on the ascent were used

CONDUCTIVITY RESIDUALS

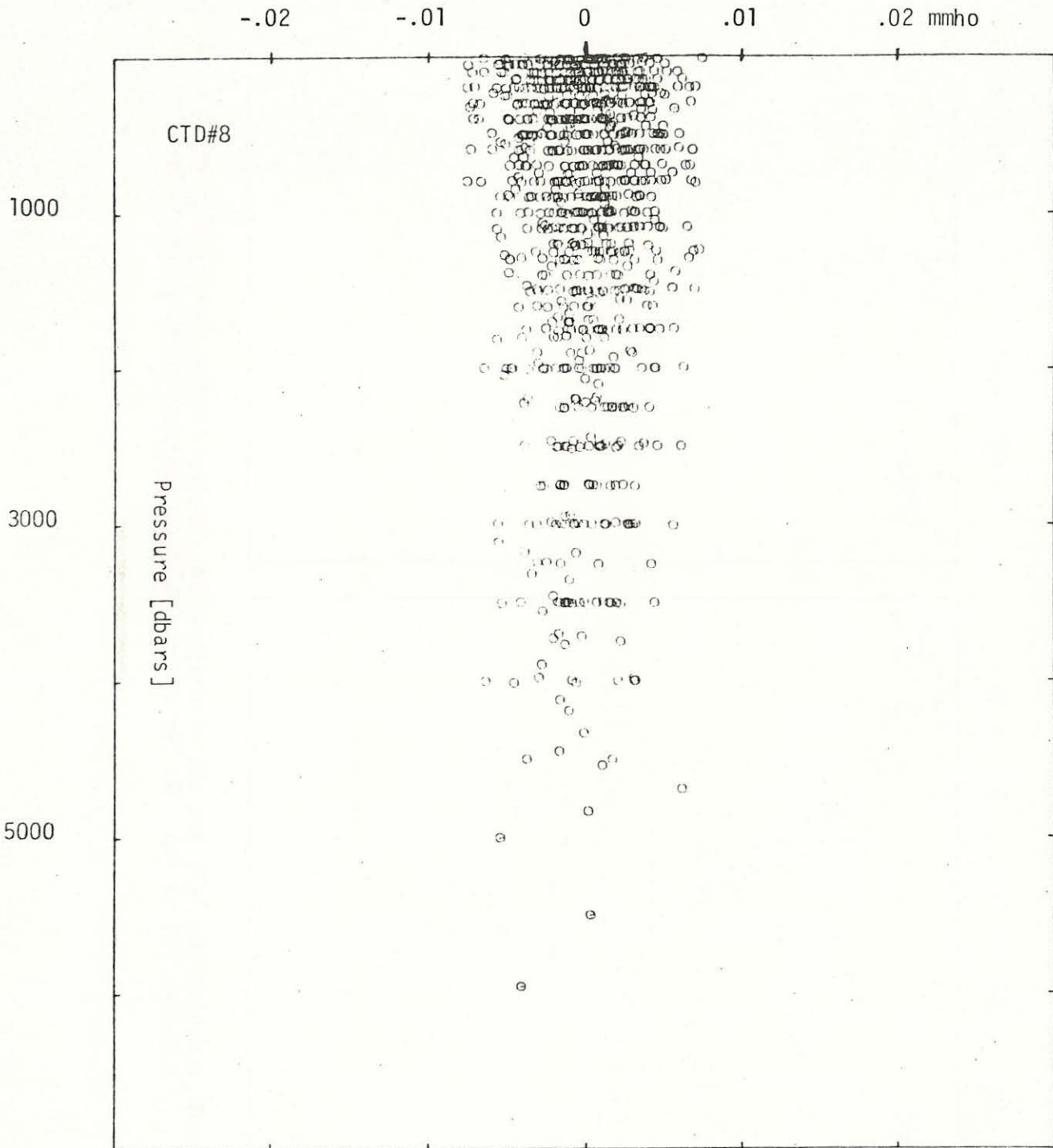


Figure 2: CTD#8 conductivity residuals. The standard deviation for the 1005 samples is .0028 mmho.

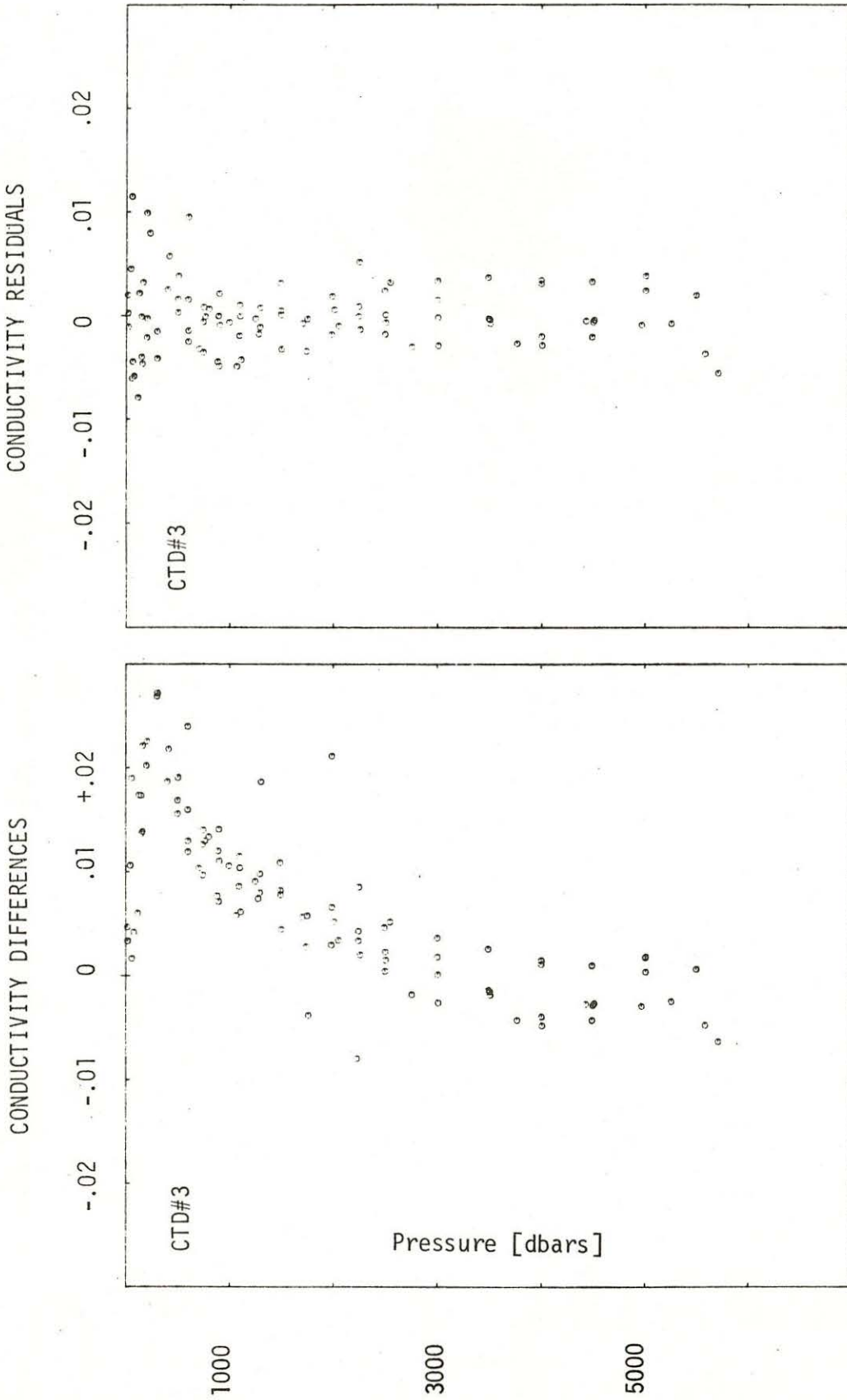


Figure 3: Shown on the left are the precalibration rosette - CTD02 conductivity differences for Stations 151 to 155. On the right are shown the post-calibration differences.

to find the corresponding density on the descent data. In this manner, we obtained a CTDO₂ data set from the descent mode, which could be compared directly with the bottle data.

If the above equation is divided by the dissolved-oxygen saturation, O₂Sat, the bias B neglected, and the logarithms taken, then standard linear regression techniques can be used to determine the constants, T_{cor}, P_{cor}, TP_{cor}, and A. With this procedure we were able to calibrate the CTDO₂ dissolved oxygens with a residual error of 2 percent, [0(.1 ml/l), Figures 4 and 5]. From visual inspection it was apparent that the CTDO₂ dissolved-oxygen data on some stations differed systematically from the bottle data. Thus, additional constant corrections, .15 ml/l and less but typically, 0(.05 ml/l), were applied to individual stations. On some stations (e.g., 176, 198), the CTDO₂ dissolved-oxygen data from the mixed layer, especially near the ocean surface, is questionable. The data are considered to be questionable because the upcast dissolved-oxygens and the water bottle data do not confirm the presence of an extremely high dissolved-oxygen layer near the ocean surface.

The CTDO₂ data were processed in two steps. The first step consisted of identifying in the original CTDO₂ data series (Millard *et al.*, 1978) questionable values based on a first-difference criterion and correcting position information (computer program CTDED). During the second step, calibration constants were applied, and the original data series was pressure-sorted to a uniform 2 dbar series and salinities and dissolved-oxygens computed.

Instead of correcting the temperature data for the difference in the time response of the conductivity and temperature sensors, the conductivity data were filtered to equalize the responses of the two sensors (Millard, 1981). The conductivity was filtered with a standard recursive filter assuming a time constant of .24 seconds (Bendat and Piersol, 1971). In addition, conductivity Cox numbers (Georgi and Millard, 1981) were calculated to summarize the high wavenumber (>.5 cycles/dbar) information.

DISSOLVED-OXYGEN RESIDUALS

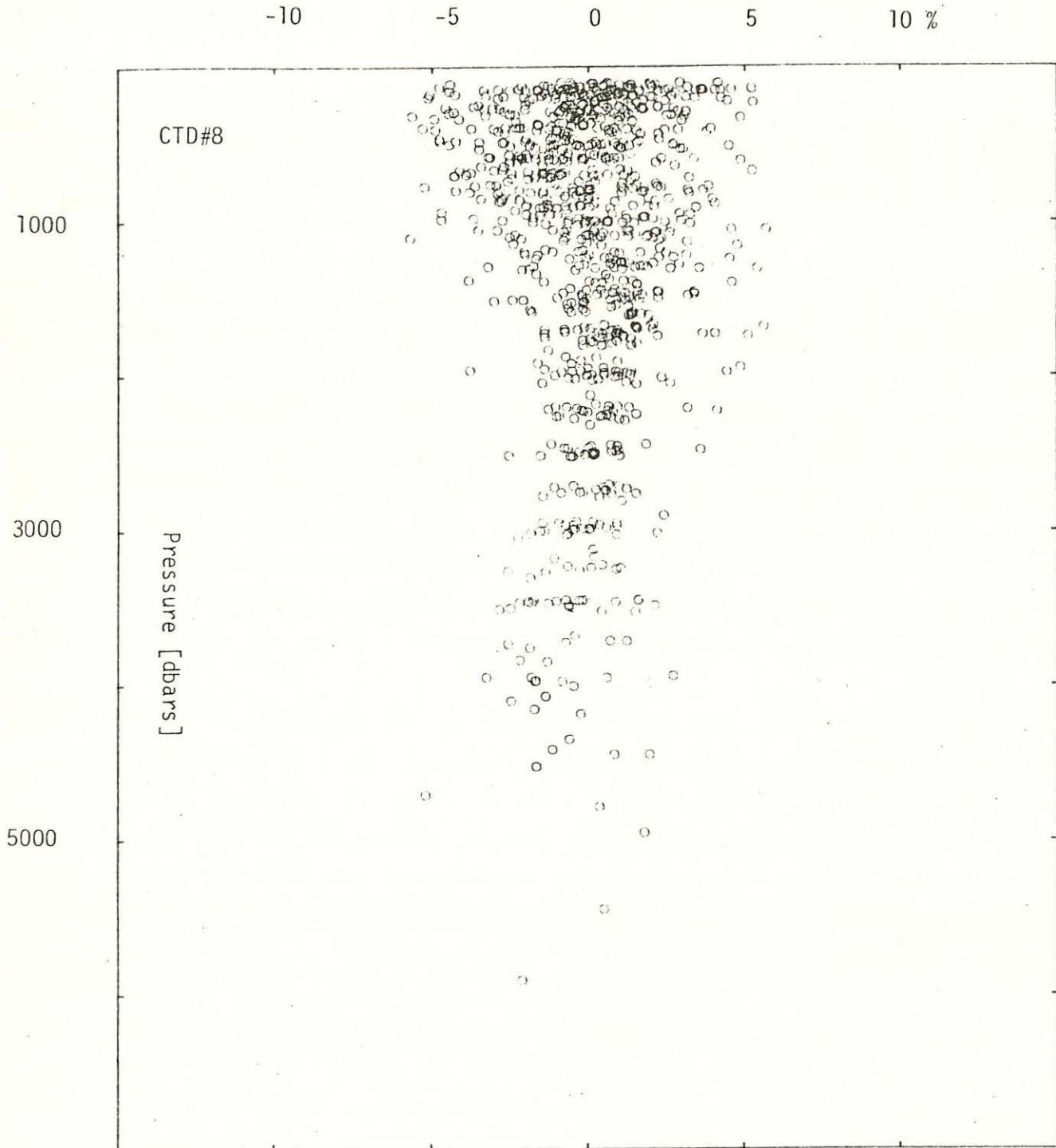


Figure 4: CTD#8 dissolved-oxygen residuals. Samples from the upper 100 dbars have not been used. The standard deviation of the residuals for the 927 samples is 2.1% , $\sim .1$ ml/l.

DISSOLVED-OXYGEN RESIDUALS

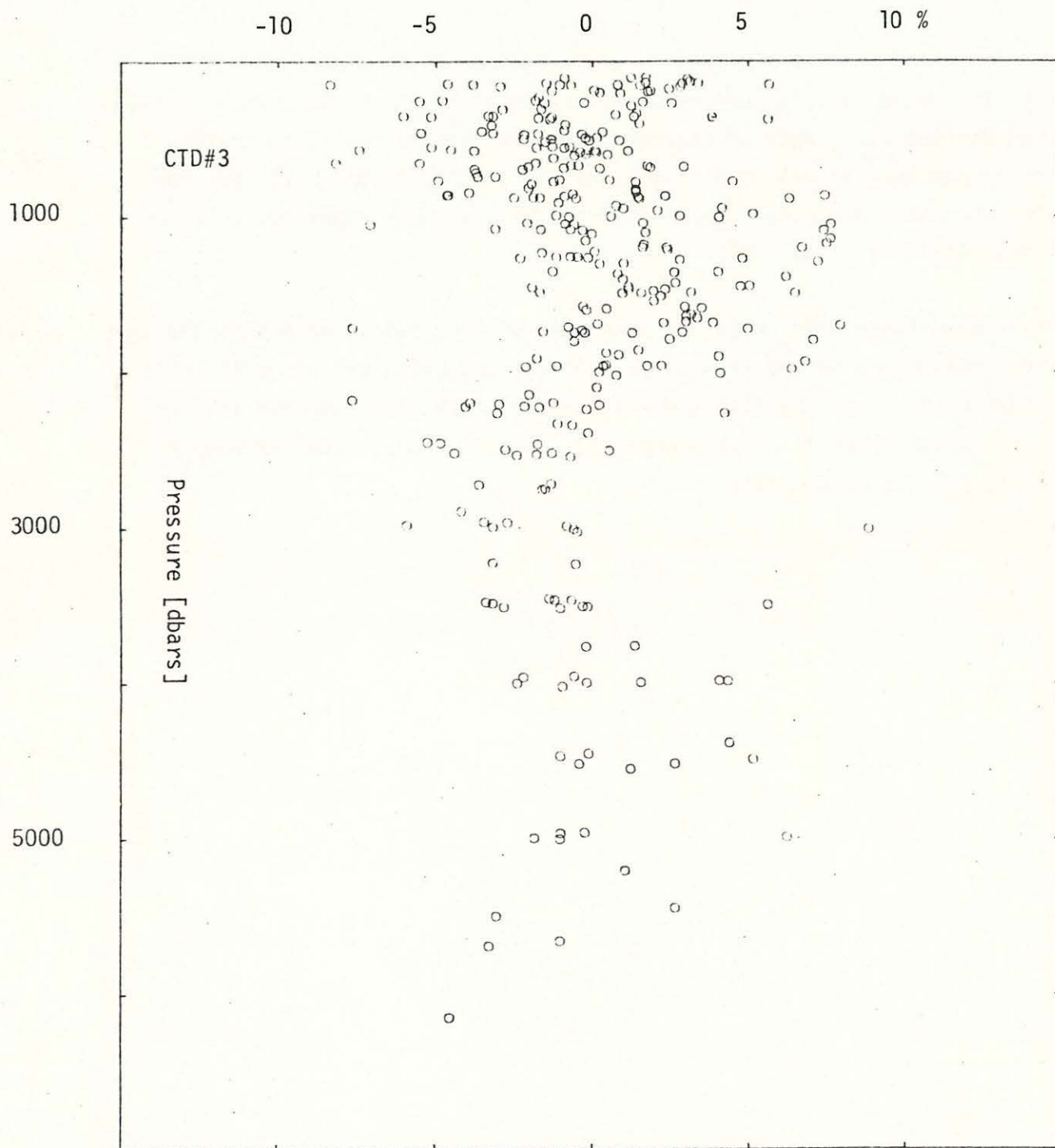


Figure 5: CTD#3 dissolved-oxygen residuals. Samples from the upper 100 dbars have not been used. The standard deviation of the residuals for the 416 samples is 6.4%, $\sim .3$ ml/l.

3. EXPLANATION OF CTDO₂ DATA PRESENTATION

For each station a graphical and a tabular presentation are given. The tabulated data include both station position information and observed and derived CTDO₂ data at standard pressure levels. The sonic depth, in corrected meters, was read from a shipboard depth recorder at the start of each station. Date (day/month/year) and time are reported in Coordinate Universal Time (GMT).

The primary CTDO₂ data are presented on the left of each page and derived quantities on the right. Definitions and units are given in Table I. Shown on the page opposite the listings for each CTDO₂ station are the vertical profiles of temperature (TE), salinity (SA), dissolved-oxygen (O₂), and the bottle data.

TABLE I

Explanation of CTDO₂ Data Listings

<u>Column Heading</u>	<u>Explanation</u>
PR	Standard level pressure in dbars (100 dbars = 1MPa).
T	In situ temperature, degree C (1968 International Practical Temperature Scale).
S	Salinity, in parts per thousand (‰) (according to the 1978 Practical Salinity Scale; Lewis, 1980).
θ	Potential temperature (Fofonoff, 1977).
Sig-θ, Sig-1, Sig-2, Sig-3, Sig-4	Anomaly of potential density, kg/m ³ , relative to 0, 1000, 2000, 3000, 4000 dbar.
HGTH	Geopotential in 10 Joule/kg, (or dynamic height in dynamic meters).
N	Brunt-Väisälä frequency in cycles per hour. Derivatives have been calculated with a least-squared algorithm using data from one-half the listing interval above and below the standard level.
DE	Depth in meters (Saunders and Fofonoff, 1976).

4. ACKNOWLEDGEMENTS

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We gratefully acknowledge the cooperation of Argentine Servicio de Hidrografía Naval and the Instituto Antártico in Buenos Aires and the assistance of the officers of the R/V ATLANTIS II; and finally, we wish to express our gratitude to the crew of the R/V ATLANTIS II whose cooperation and good spirits contributed so significantly to the success of the cruise.

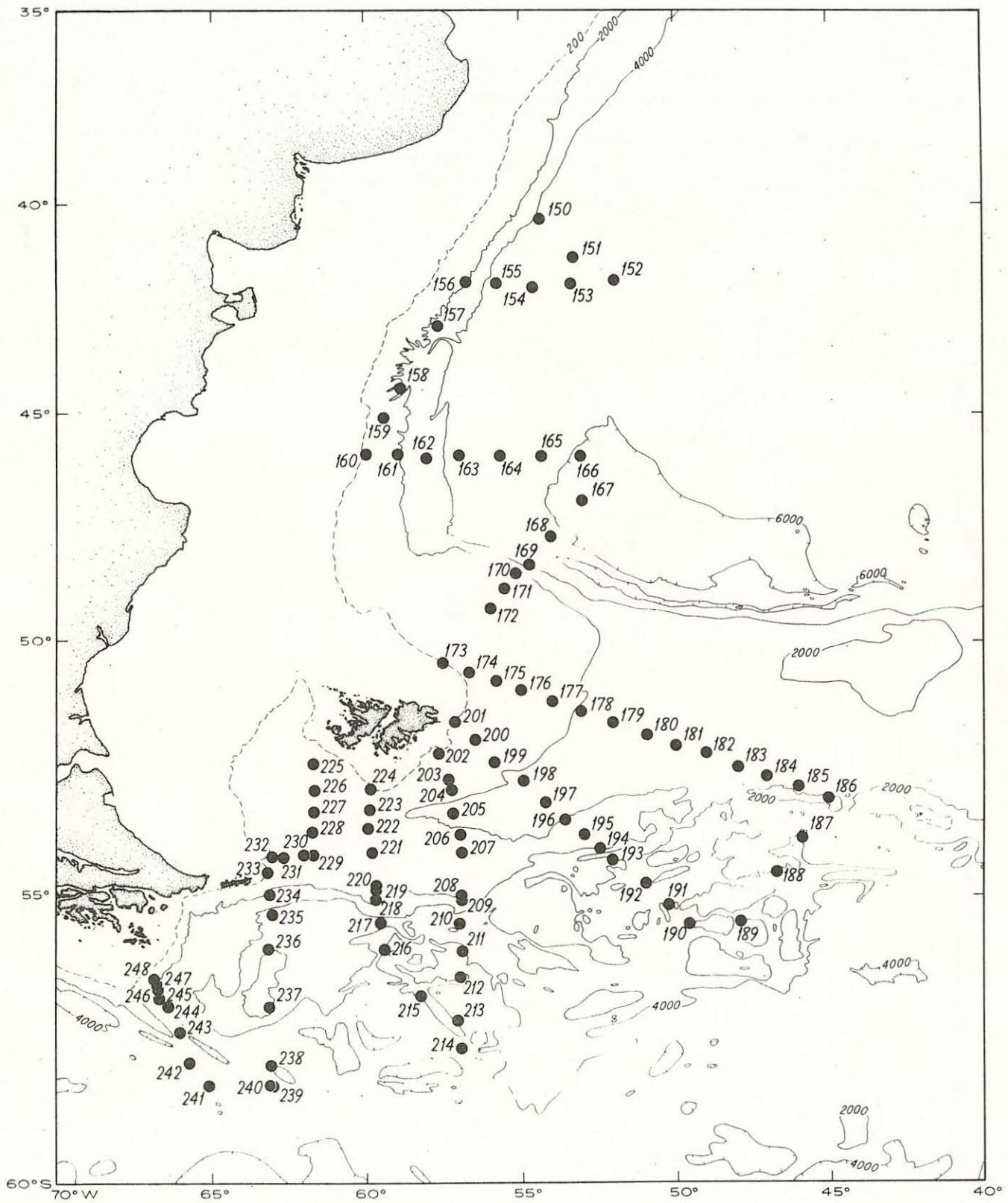
The data processing was aided by numerous computer programs developed by current and former members of the Woods Hole Oceanographic community: MLTRG, Nick Fofonoff; ROSEY, John Toole; PRSORT, Edward Horne and Bob Millard; CTD utility programs, Mary Hunt; and plotting programs, Roger Goldsmith.

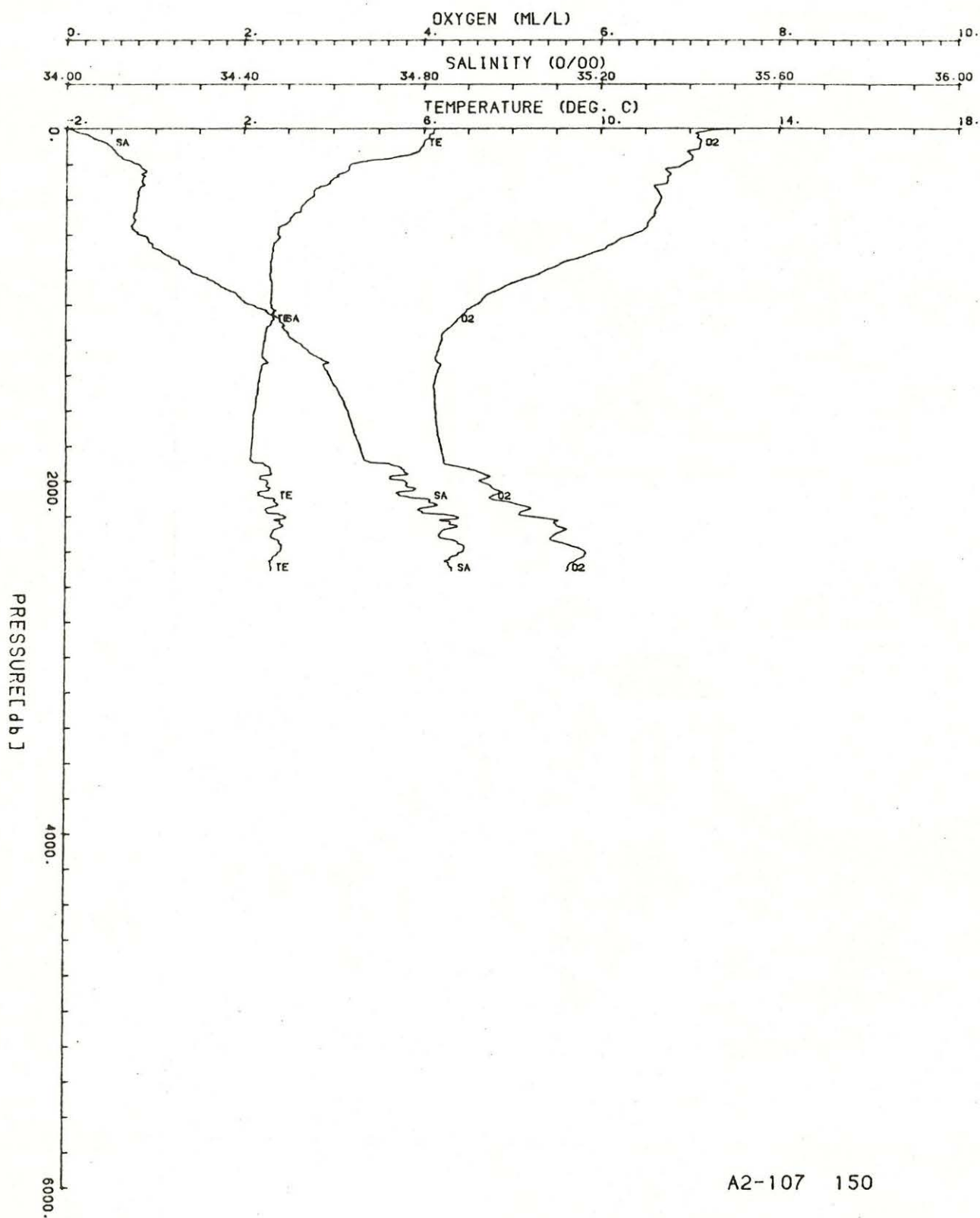
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6. LIST OF PERSONNELDuty, Affiliation

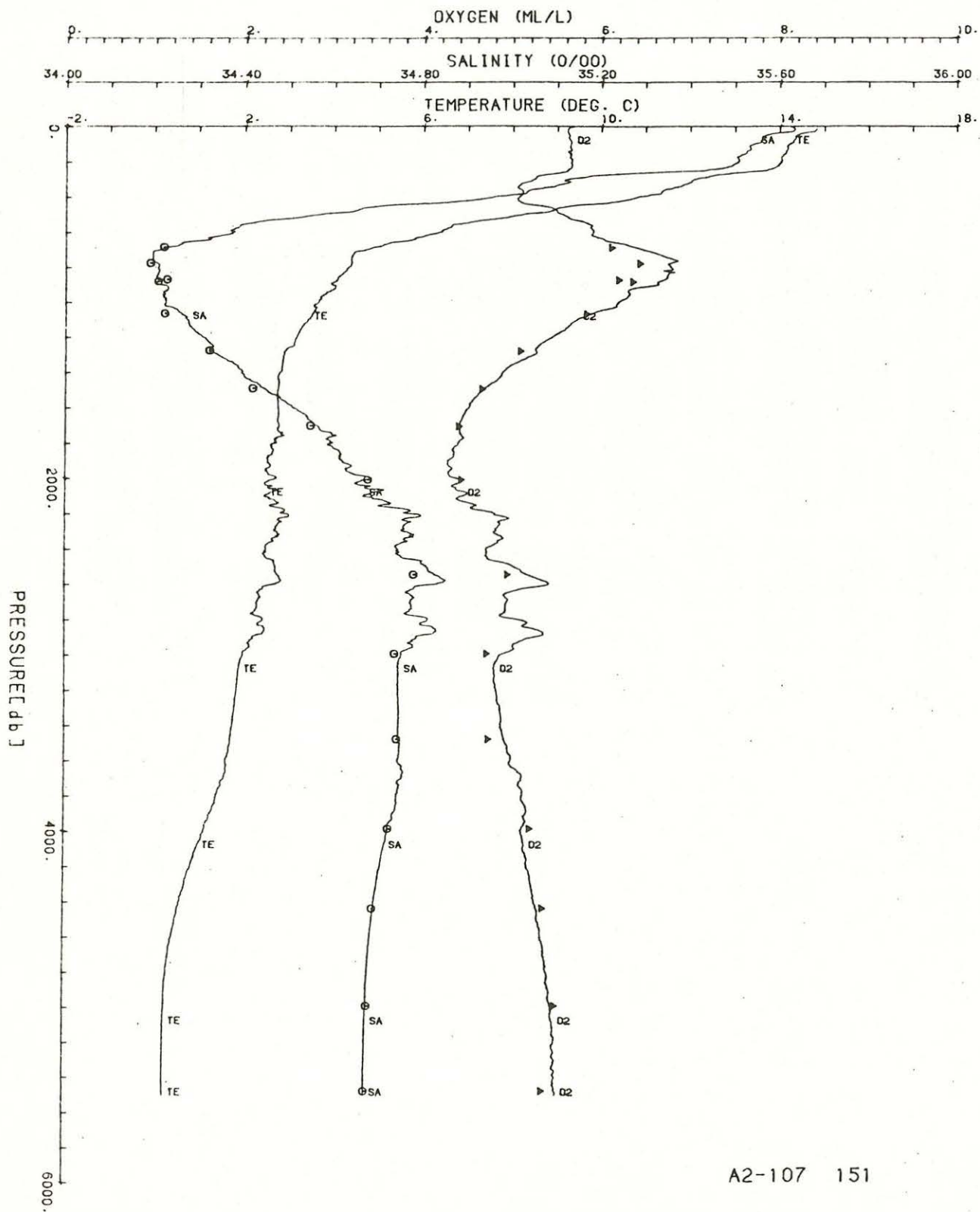
Alejandro (Flaco) Bianchi	Observer: Servicio de Hidrografía Naval, Buenos Aires
Cynthia (Cindy) Bryden	Oxygen Analysis: WHOI
Phillip Desjardin	Chemist: WHOI
Nancy (Nan) Galbraith	CTD Technician: WHOI
Guillermo (Blue Bird) Gallardo	Watchstander: Instituto Antártico, Buenos Aires
Daniel (Dan) Georgi	Chief Scientist: WHOI
Catherine (Kaki) Herrity	Watchstander: WHOI
Joseph (Joe) Jennings	Chemist: O.S.U.
George Knapp, III	Watchstander, salinities: WHOI
Ross Leigh	Watchstander: Owen Sound Collegiate
Dorothy (Bunny) Lowman	Chemist: Seattle, Washington
Yasukazu (Emilio) Matayoshi	Watchstander, electronics technician, Instituto Antártico, Buenos Aires
Robert (Mac) McDevitt	CTD technician: WHOI
Alberto (Albert) Piola	Watchstander, CTD: WHOI/Servicio de Hidro- grafía Naval, Buenos Aires/CONICET
Hedy Sladovick	Chemist: MBL/Ecosystems Center
Marvel (Marv) Stalcup	Watchstander, CTD, hydrographer: WHOI
Richard (Rich) Tench	Computer technician: WHOI
David Viani	Watchstander: West Haven, Connecticut



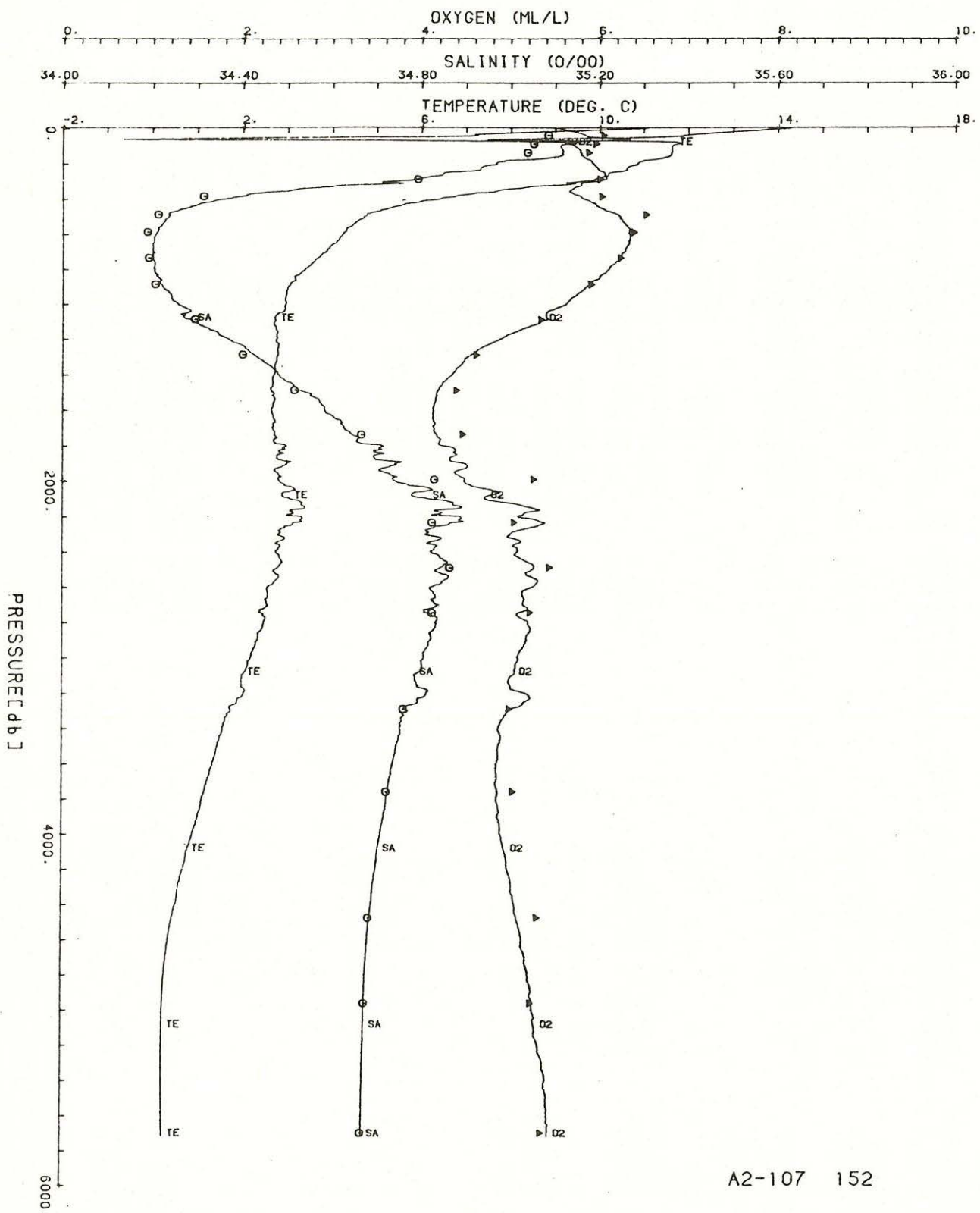


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 DATE 6/ 8/80 GMT 70% CTD# 3

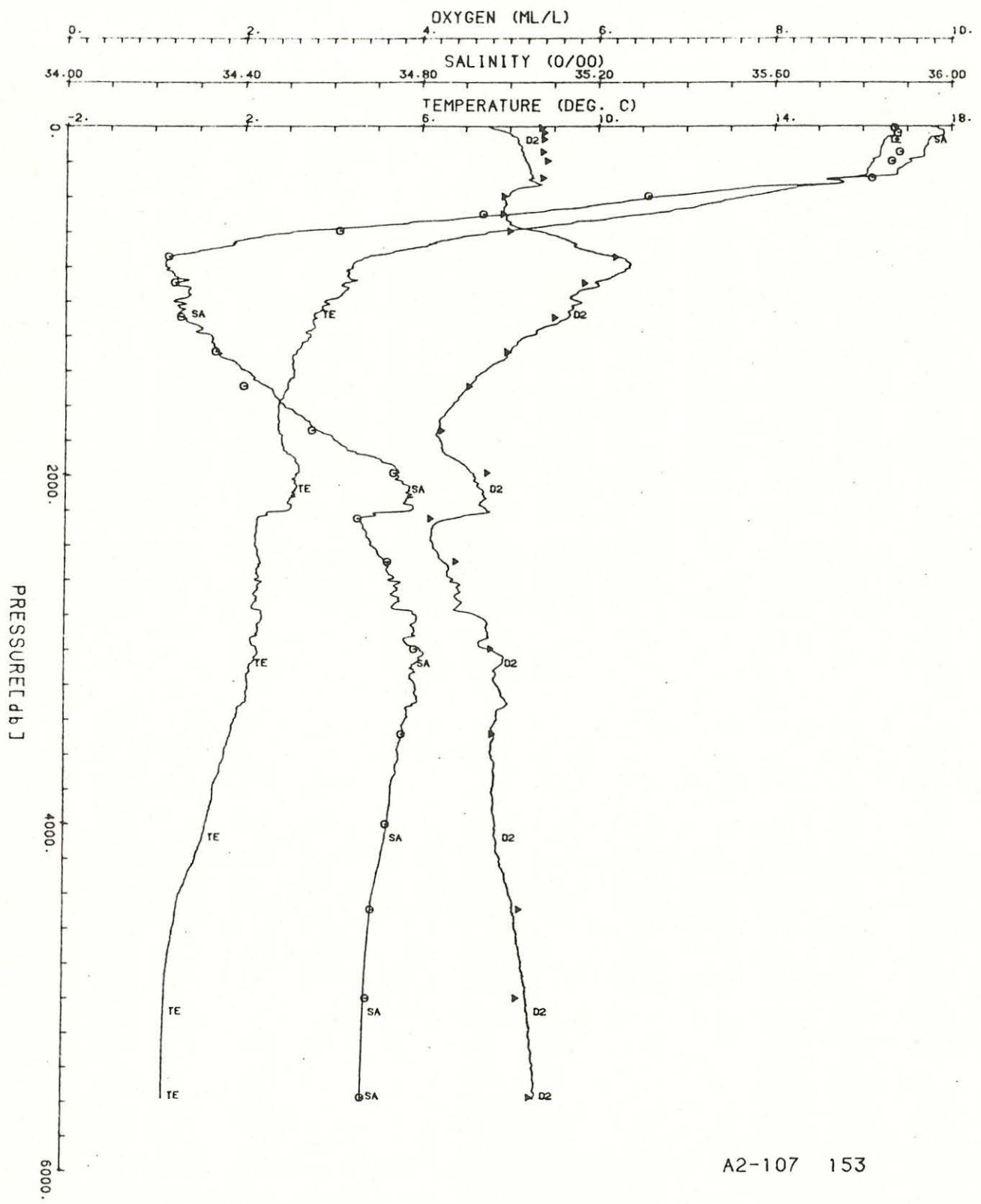
PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							coh	m
3	6.238	34.006	6.237	26.759	31.324	35.778	40.126	44.374	0.004	1.917	3
25	6.201	34.026	6.199	26.780	31.345	35.800	40.149	44.398	0.032	2.303	25
50	6.103	34.056	6.101	26.816	31.383	35.840	40.191	44.442	0.064	1.516	50
75	5.994	34.080	5.998	26.849	31.420	35.879	40.232	44.485	0.095	1.918	75
100	5.961	34.097	5.952	26.867	31.438	35.898	40.252	44.505	0.125	1.585	99
125	5.886	34.106	5.876	26.884	31.457	35.919	40.275	44.530	0.155	1.509	124
150	5.651	34.114	5.639	26.920	31.498	35.956	40.327	44.588	0.184	2.853	149
175	5.011	34.129	4.997	27.007	31.602	36.085	40.462	44.737	0.213	3.790	174
200	4.405	34.156	4.390	27.096	31.707	36.205	40.596	44.885	0.238	2.068	199
250	4.202	34.175	4.184	27.133	31.749	36.252	40.648	44.941	0.287	1.520	248
300	3.918	34.169	3.898	27.158	31.781	36.292	40.699	44.995	0.335	1.272	298
350	3.567	34.162	3.544	27.187	31.820	36.340	40.752	45.061	0.382	0.919	347
400	3.452	34.158	3.426	27.196	31.832	36.355	40.770	45.082	0.428	1.193	397
450	3.268	34.157	3.239	27.212	31.854	36.382	40.801	45.118	0.473	0.721	447
500	3.058	34.150	3.025	27.227	31.874	36.407	40.833	45.154	0.518	1.094	496
550	2.841	34.145	2.807	27.243	31.896	36.436	40.866	45.193	0.562	1.313	546
600	2.751	34.163	2.714	27.264	31.920	36.462	40.899	45.224	0.605	1.238	595
650	2.666	34.189	2.628	27.293	31.951	36.495	40.931	45.261	0.647	1.258	645
700	2.630	34.215	2.586	27.317	31.976	36.521	40.957	45.289	0.688	1.383	694
750	2.600	34.251	2.553	27.349	32.008	36.554	40.990	45.322	0.728	1.265	744
800	2.593	34.277	2.543	27.371	32.030	36.576	41.012	45.344	0.766	1.195	793
850	2.583	34.317	2.530	27.403	32.063	36.609	41.045	45.377	0.804	1.401	843
900	2.615	34.351	2.557	27.428	32.087	36.631	41.067	45.398	0.840	1.362	892
950	2.604	34.387	2.543	27.458	32.116	36.661	41.097	45.428	0.875	1.027	941
1000	2.601	34.415	2.536	27.482	32.140	36.685	41.120	45.452	0.910	1.457	991
1050	2.643	34.456	2.577	27.511	32.168	36.711	41.145	45.476	0.943	1.336	1040
1100	2.613	34.483	2.540	27.535	32.193	36.737	41.172	45.503	0.974	1.209	1090
1150	2.494	34.495	2.419	27.555	32.216	36.763	41.201	45.535	1.005	1.119	1139
1200	2.464	34.512	2.386	27.571	32.233	36.781	41.220	45.554	1.036	1.334	1188
1250	2.424	34.539	2.342	27.597	32.260	36.809	41.248	45.583	1.065	1.148	1238
1300	2.420	34.567	2.335	27.620	32.283	36.832	41.271	45.607	1.093	1.022	1287
1350	2.397	34.580	2.308	27.632	32.296	36.845	41.286	45.622	1.121	1.002	1336
1400	2.359	34.592	2.262	27.646	32.310	36.861	41.302	45.639	1.148	0.878	1386
1450	2.317	34.602	2.221	27.657	32.322	36.874	41.316	45.654	1.174	0.964	1435
1500	2.307	34.614	2.208	27.667	32.334	36.885	41.328	45.666	1.201	0.915	1484
1600	2.242	34.634	2.138	27.689	32.357	36.911	41.359	45.695	1.252	0.837	1583
1700	2.203	34.646	2.089	27.703	32.372	36.927	41.372	45.713	1.301	0.607	1681
1800	2.174	34.661	2.051	27.717	32.387	36.943	41.390	45.731	1.350	0.716	1780
1900	2.459	34.727	2.320	27.748	32.410	36.958	41.397	45.732	1.398	0.694	1878
2000	2.532	34.761	2.387	27.770	32.430	36.975	41.412	45.745	1.445	0.829	1977
2100	2.673	34.810	2.517	27.798	32.454	36.996	41.429	45.758	1.491	0.697	2075
2200	2.927	34.878	2.757	27.831	32.480	37.015	41.441	45.763	1.536	0.654	2173
2300	2.631	34.838	2.457	27.825	32.483	37.028	41.460	45.790	1.580	0.707	2271
2400	2.801	34.886	2.615	27.851	32.503	37.042	41.472	45.797	1.624	0.523	2370
2500	2.618	34.865	2.428	27.850	32.508	37.052	41.487	45.818	1.667	0.632	2468
2507	2.619	34.866	2.422	27.851	32.509	37.053	41.488	45.819	1.670	0.735	2475



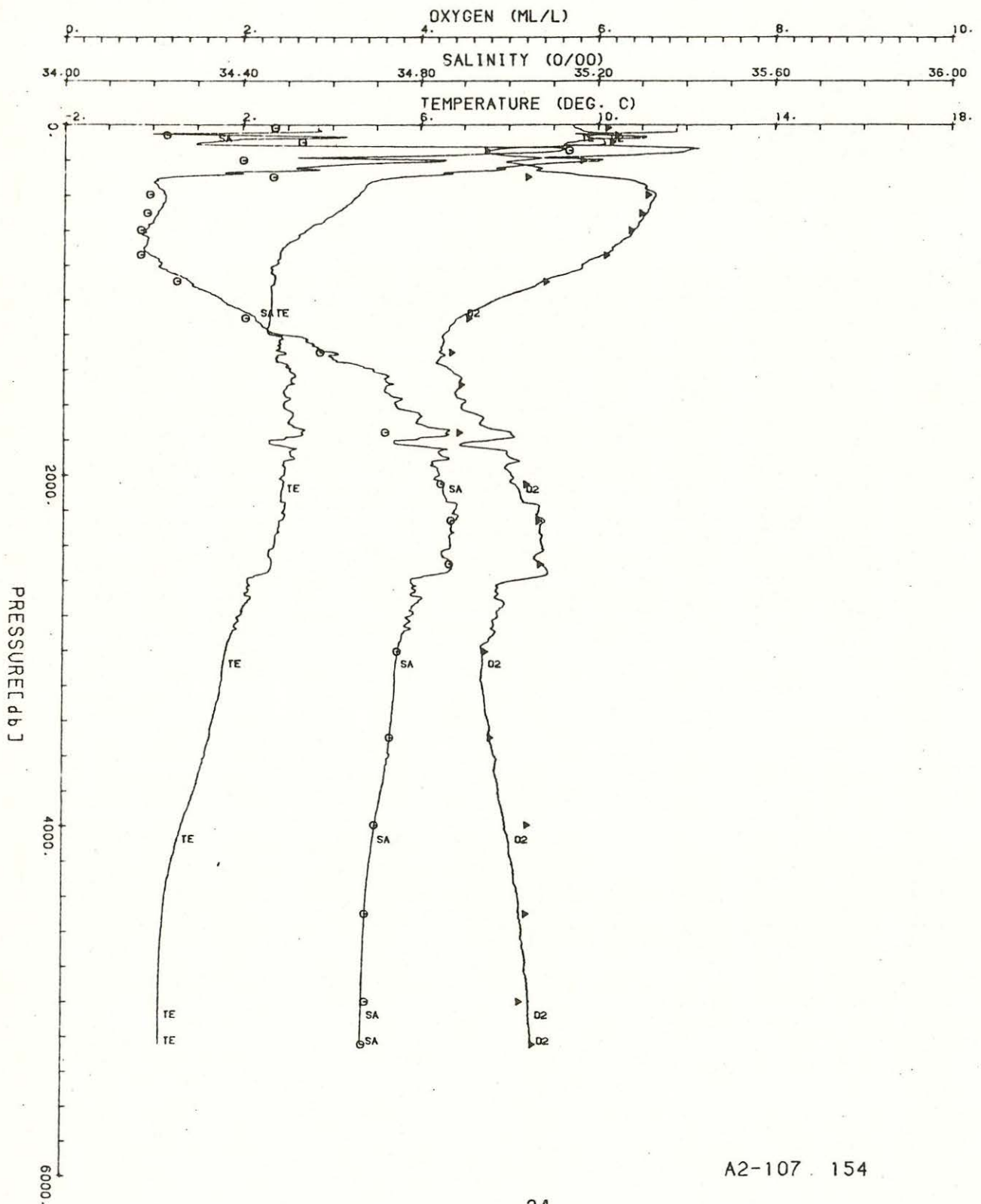
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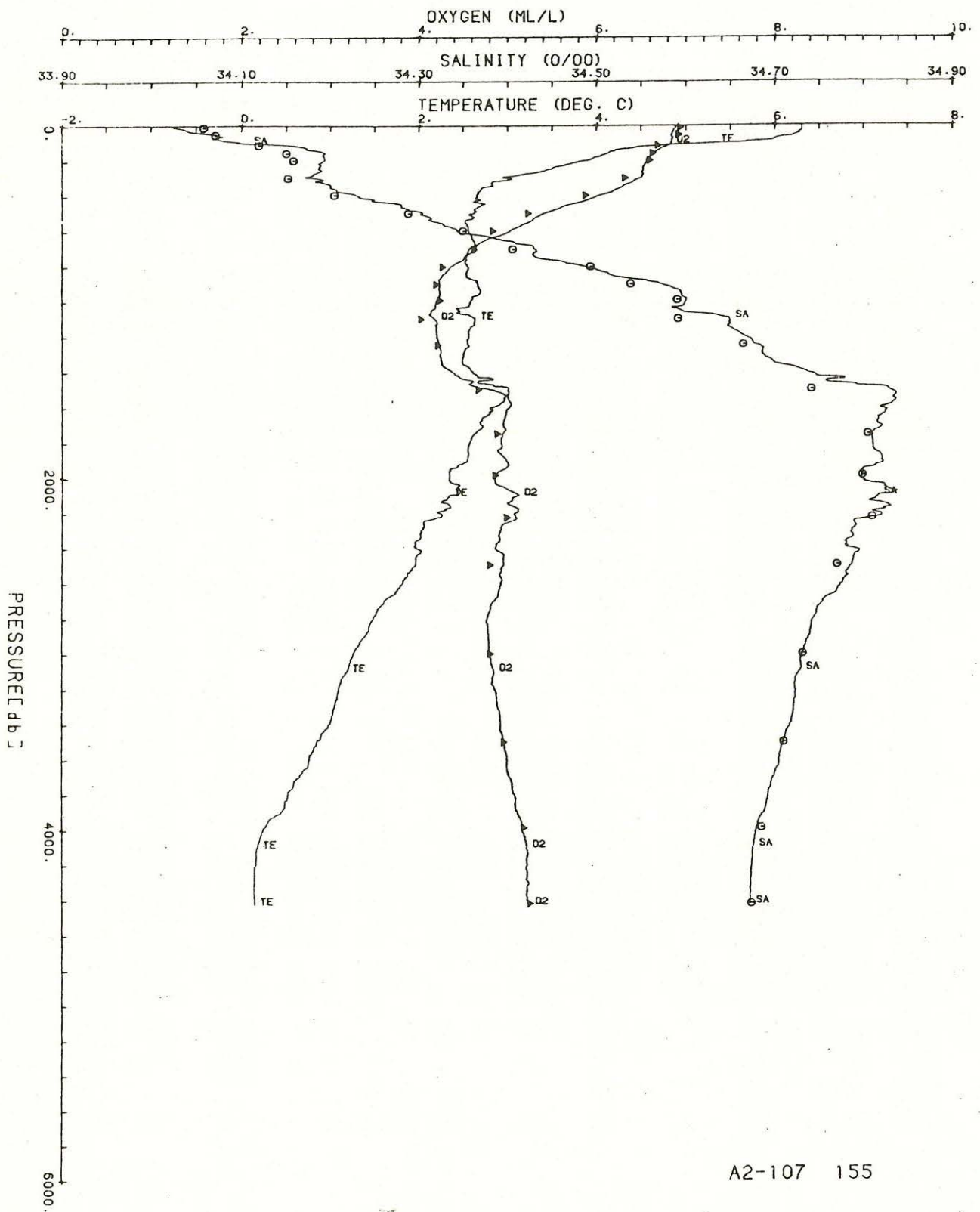
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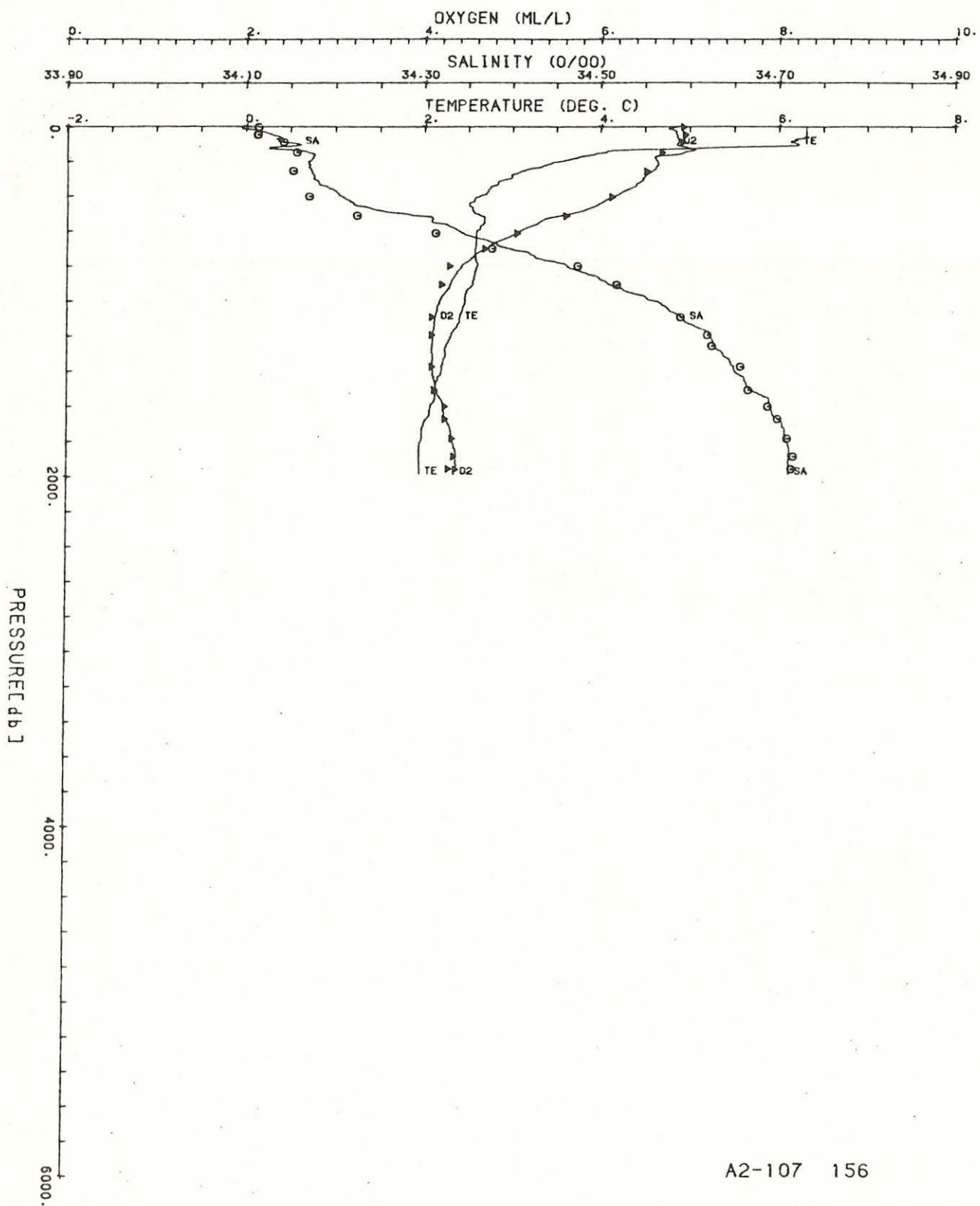
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A2-107 155

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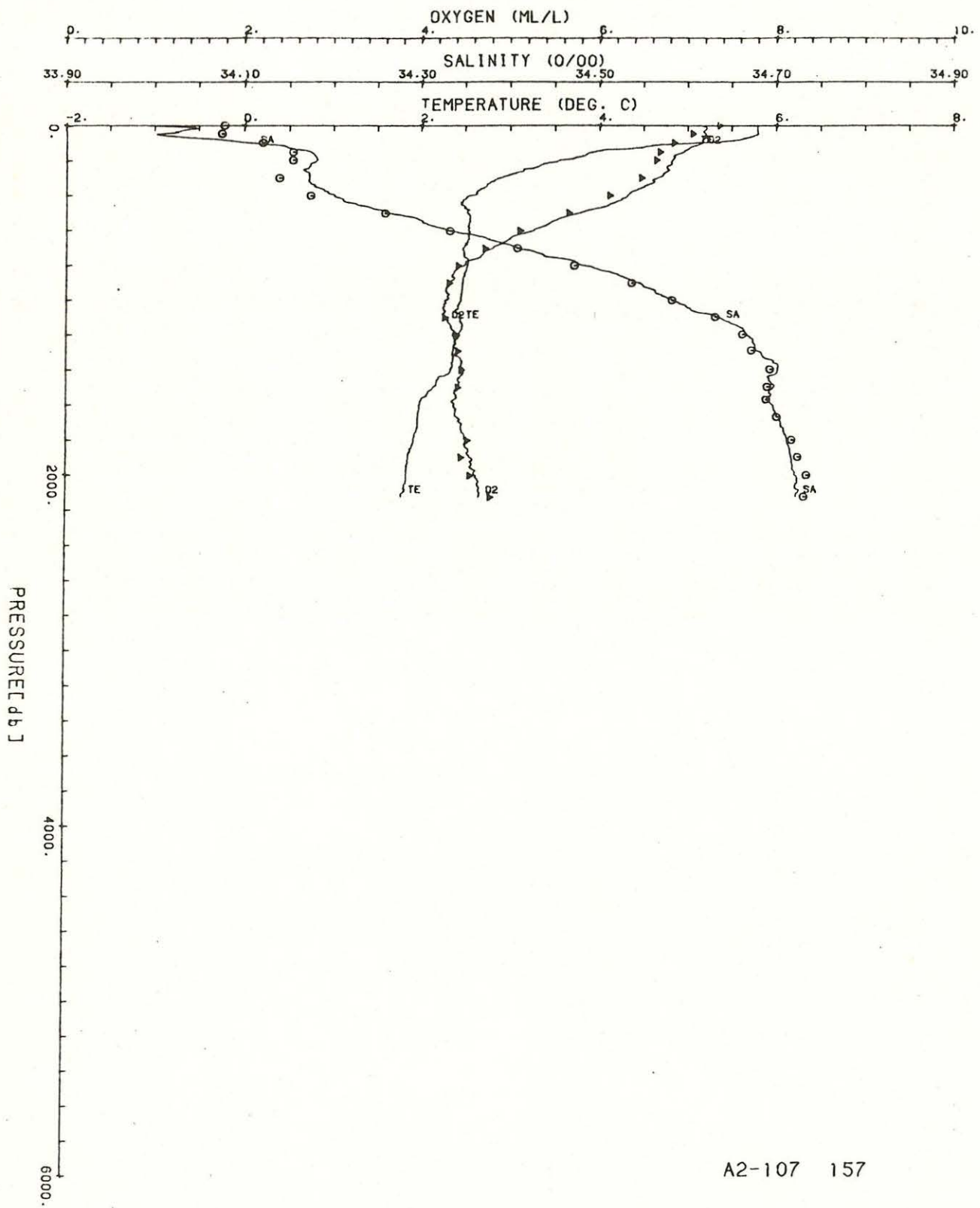
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25	6.305	34.039	6.303	26.776	31.339	35.791	40.138	44.384	0.032	1.329	25	
50	6.258	34.071	6.253	26.809	31.372	35.825	40.173	44.420	0.064	2.184	50	
75	6.010	34.074	6.004	26.843	31.413	35.872	40.225	44.477	0.095	2.134	74	
100	5.337	34.114	5.329	26.956	31.543	36.018	40.387	44.654	0.125	5.231	99	
125	4.421	34.172	4.412	27.107	31.716	36.214	40.604	44.892	0.151	2.871	124	
150	4.150	34.192	4.139	27.152	31.768	36.273	40.670	44.964	0.174	1.705	149	
175	4.021	34.193	4.009	27.165	31.786	36.293	40.694	44.991	0.198	1.520	174	
200	3.839	34.191	3.829	27.183	31.808	36.321	40.726	45.027	0.221	1.619	199	
250	3.442	34.189	3.426	27.220	31.856	36.379	40.794	45.105	0.265	1.538	248	
300	3.021	34.188	3.003	27.259	31.907	36.441	40.866	45.188	0.308	1.679	298	
350	2.723	34.201	2.702	27.296	31.952	36.494	40.927	45.256	0.350	1.388	347	
400	2.649	34.232	2.625	27.327	31.985	36.529	40.963	45.294	0.389	1.343	397	
450	2.700	34.280	2.673	27.362	32.018	36.560	40.993	45.322	0.428	1.447	446	
500	2.582	34.303	2.552	27.391	32.050	36.595	41.031	45.363	0.465	1.154	496	
550	2.520	34.325	2.487	27.413	32.074	36.621	41.058	45.392	0.501	1.211	545	
600	2.558	34.345	2.521	27.427	32.086	36.632	41.068	45.401	0.536	1.278	595	
650	2.609	34.397	2.569	27.464	32.122	36.666	41.101	45.431	0.570	1.345	644	
700	2.636	34.431	2.592	27.489	32.146	36.689	41.123	45.453	0.603	0.808	694	
750	2.525	34.434	2.478	27.502	32.161	36.708	41.149	45.477	0.635	1.522	743	
800	2.446	34.489	2.496	27.544	32.203	36.748	41.184	45.516	0.666	1.389	793	
850	2.534	34.518	2.480	27.568	32.227	36.772	41.209	45.541	0.695	1.231	842	
900	2.657	34.573	2.599	27.602	32.257	36.799	41.232	45.560	0.724	1.231	892	
950	2.683	34.595	2.621	27.617	32.272	36.813	41.245	45.573	0.751	0.997	941	
1000	2.977	34.600	2.512	27.631	32.289	36.832	41.267	45.598	0.778	0.531	991	
1050	2.450	34.594	2.383	27.637	32.299	36.846	41.284	45.618	0.805	1.281	1040	
1100	2.627	34.649	2.555	27.667	32.323	36.865	41.298	45.627	0.830	0.760	1089	
1150	2.575	34.650	2.498	27.672	32.330	36.873	41.308	45.639	0.856	1.036	1139	
1200	2.557	34.667	2.477	27.687	32.345	36.890	41.325	45.656	0.881	1.037	1188	
1250	2.558	34.682	2.474	27.699	32.357	36.902	41.337	45.668	0.905	1.011	1237	
1300	2.497	34.687	2.410	27.709	32.368	36.914	41.351	45.684	0.929	0.697	1287	
1350	2.489	34.700	2.399	27.721	32.381	36.927	41.364	45.696	0.953	0.907	1336	
1400	2.806	34.737	2.510	27.740	32.397	36.940	41.373	45.703	0.976	0.738	1385	
1450	2.681	34.760	2.581	27.753	32.407	36.948	41.380	45.707	0.999	0.987	1435	
1500	2.999	34.831	2.891	27.782	32.427	36.959	41.382	45.701	1.021	0.849	1484	
1600	2.819	34.822	2.704	27.791	32.442	36.979	41.407	45.731	1.065	0.742	1582	
1700	2.710	34.821	2.589	27.801	32.454	36.994	41.429	45.752	1.107	0.501	1681	
1800	2.568	34.811	2.438	27.806	32.464	37.008	41.443	45.774	1.150	0.638	1779	
1900	2.538	34.822	2.402	27.818	32.477	37.022	41.457	45.789	1.192	0.756	1878	
2000	2.336	34.798	2.194	27.816	32.481	37.031	41.473	45.810	1.233	0.479	1976	
2100	2.339	34.818	2.188	27.833	32.497	37.048	41.490	45.827	1.274	0.698	2074	
2200	2.238	34.819	2.080	27.841	32.509	37.063	41.507	45.847	1.314	0.604	2172	
2300	2.021	34.788	1.858	27.834	32.509	37.069	41.519	45.865	1.353	0.430	2271	
2400	1.975	34.787	1.802	27.838	32.514	37.075	41.527	45.874	1.393	0.510	2369	
2500	1.940	34.787	1.760	27.841	32.518	37.081	41.534	45.882	1.432	0.531	2467	
2600	1.801	34.776	1.614	27.844	32.525	37.092	41.549	45.901	1.471	0.555	2565	
2700	1.598	34.754	1.407	27.841	32.529	37.101	41.564	45.922	1.509	0.672	2663	
2800	1.469	34.744	1.271	27.842	32.534	37.111	41.577	45.938	1.546	0.571	2761	
2900	1.378	34.739	1.173	27.845	32.540	37.119	41.588	45.952	1.583	0.706	2859	
3000	1.244	34.731	1.033	27.848	32.547	37.130	41.603	45.970	1.619	0.576	2957	
3100	1.173	34.729	0.953	27.852	32.552	37.138	41.613	45.983	1.654	0.607	3055	
3200	1.080	34.723	0.854	27.853	32.557	37.146	41.624	45.996	1.689	0.535	3153	
3300	1.032	34.721	0.797	27.856	32.561	37.151	41.631	46.004	1.723	0.497	3250	
3400	0.971	34.717	0.728	27.857	32.564	37.157	41.638	46.014	1.757	0.631	3348	
3500	0.830	34.709	0.581	27.859	32.571	37.168	41.653	46.032	1.790	0.565	3446	
3600	0.745	34.704	0.488	27.861	32.576	37.175	41.663	46.045	1.822	0.513	3543	
3700	0.828	34.698	0.364	27.863	32.582	37.184	41.676	46.061	1.853	0.765	3641	
3800	0.506	34.692	0.236	27.865	32.588	37.194	41.690	46.078	1.882	0.638	3738	
3900	0.427	34.687	0.149	27.867	32.592	37.201	41.698	46.089	1.911	0.945	3836	
4000	0.228	34.679	-0.054	27.870	32.601	37.216	41.720	46.116	1.938	0.663	3933	
4100	0.166	34.675	-0.129	27.871	32.604	37.221	41.727	46.126	1.964	0.461	4031	
4200	0.148	34.674	-0.152	27.871	32.605	37.223	41.730	46.129	1.989	0.389	4128	
4300	0.135	34.673	-0.176	27.871	32.606	37.225	41.732	46.132	2.014	0.230	4225	
4400	0.139	34.672	-0.183	27.871	32.606	37.225	41.732	46.133	2.039	-0.157	4323	
4423	0.141	34.672	-0.183	27.871	32.606	37.225	41.732	46.132	2.045	0.283	4345	



A2-107 156

STA-156 LAT= 41 57.0 S LON= 56 44.0 W SONIC DEPTH 2036 m STA-156
 DATE 9/ 8/80 GMT 1255 CTD# 3

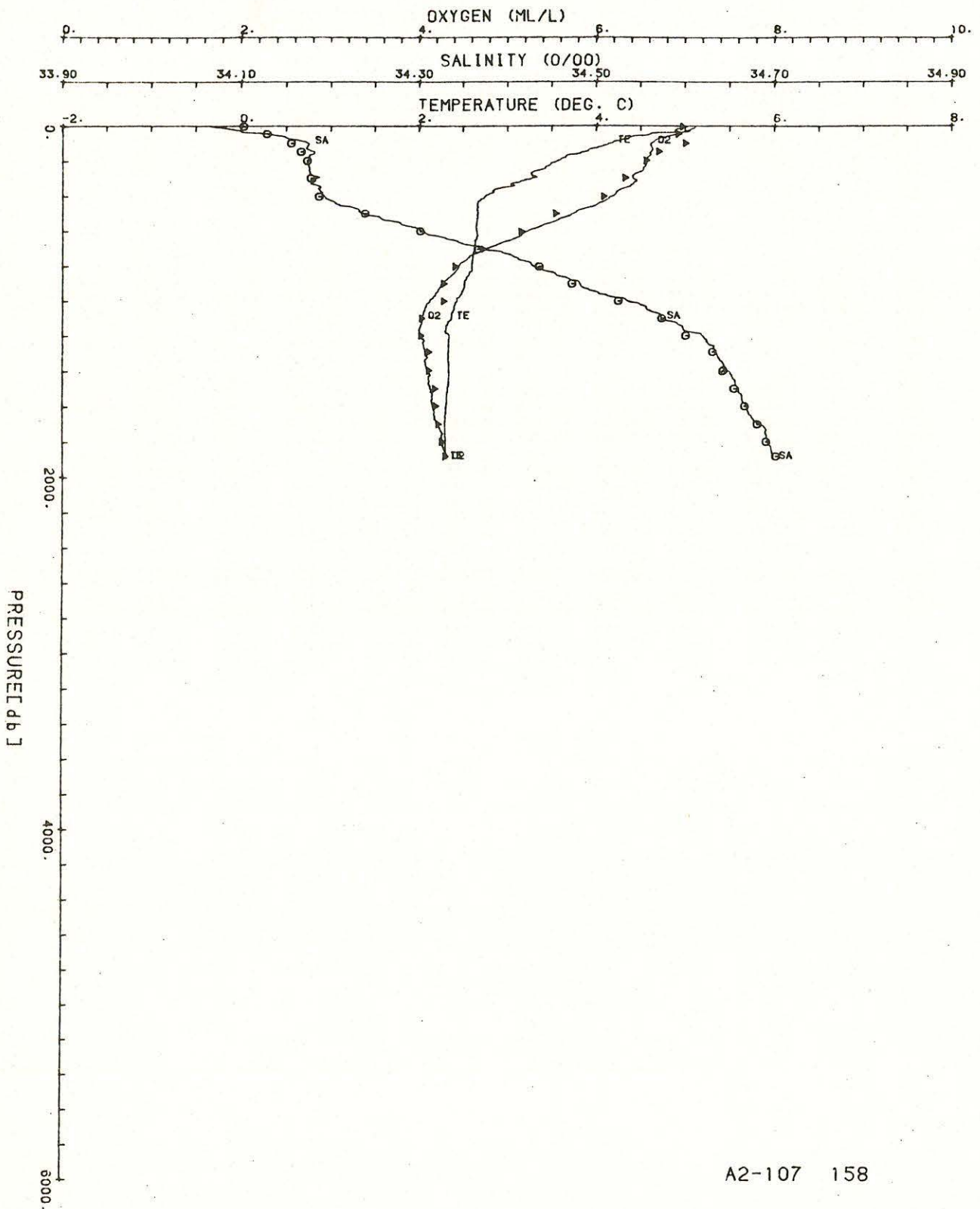
PR	T	S	A	SIG-#	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DF
dbar	Deg C	o/oo	Deg C							cmh	m
5	6.707	34.093	6.707	26.819	31.381	35.832	40.179	44.424	0.006	0.532	5
25	6.704	34.115	6.702	26.837	31.399	35.851	40.197	44.442	0.031	1.573	25
50	6.303	34.131	6.299	26.850	31.412	35.863	40.209	44.455	0.061	1.377	50
75	6.191	34.137	6.184	26.869	31.434	35.888	40.237	44.485	0.092	1.616	74
100	6.211	34.159	6.203	26.884	31.448	35.902	40.250	44.497	0.122	1.376	99
125	4.933	34.131	4.924	27.018	31.614	36.099	40.478	44.754	0.150	5.474	124
150	3.992	34.172	3.982	27.152	31.773	36.281	40.682	44.980	0.175	2.203	149
175	3.736	34.175	3.724	27.180	31.808	36.323	40.731	45.035	0.198	1.633	174
200	3.500	34.170	3.487	27.200	31.834	36.358	40.769	45.079	0.220	1.586	199
250	3.117	34.173	3.102	27.238	31.883	36.415	40.838	45.157	0.264	1.578	248
300	2.924	34.176	2.909	27.259	31.909	36.446	40.874	45.198	0.307	1.304	298
350	2.735	34.193	2.714	27.288	31.944	36.486	40.918	45.247	0.348	1.372	347
400	2.599	34.208	2.579	27.312	31.972	36.517	40.953	45.285	0.389	1.350	397
450	2.505	34.224	2.479	27.333	31.999	36.543	40.982	45.316	0.428	1.217	446
500	2.606	34.281	2.576	27.371	32.030	36.574	41.010	45.342	0.466	1.647	496
550	2.666	34.316	2.632	27.394	32.050	36.593	41.027	45.357	0.503	1.352	545
600	2.583	34.341	2.547	27.421	32.080	36.625	41.061	45.393	0.538	1.164	595
650	2.576	34.373	2.538	27.448	32.107	36.652	41.088	45.419	0.573	1.267	644
700	2.565	34.401	2.522	27.471	32.130	36.675	41.112	45.443	0.607	1.495	694
750	2.573	34.430	2.526	27.494	32.153	36.697	41.133	45.465	0.639	1.247	743
800	2.584	34.463	2.534	27.520	32.178	36.723	41.158	45.489	0.671	1.105	793
850	2.556	34.493	2.502	27.547	32.206	36.750	41.186	45.518	0.702	1.183	842
900	2.536	34.510	2.479	27.562	32.222	36.767	41.203	45.536	0.731	1.217	892
950	2.462	34.537	2.401	27.590	32.251	36.799	41.237	45.571	0.760	1.365	941
1000	2.449	34.565	2.385	27.614	32.275	36.823	41.261	45.595	0.788	1.133	991
1050	2.417	34.578	2.350	27.627	32.290	36.838	41.277	45.612	0.815	1.073	1040
1100	2.386	34.594	2.318	27.643	32.306	36.855	41.295	45.631	0.841	0.777	1089
1150	2.348	34.611	2.274	27.660	32.324	36.874	41.315	45.651	0.867	1.290	1139
1200	2.284	34.624	2.207	27.675	32.341	36.893	41.336	45.674	0.892	0.755	1188
1250	2.236	34.628	2.156	27.683	32.350	36.904	41.348	45.687	0.917	0.774	1237
1300	2.222	34.638	2.143	27.692	32.359	36.913	41.357	45.697	0.941	0.711	1287
1350	2.197	34.647	2.110	27.702	32.370	36.924	41.369	45.710	0.965	0.693	1336
1400	2.179	34.651	2.089	27.707	32.376	36.931	41.377	45.717	0.989	0.770	1385
1450	2.138	34.662	2.044	27.719	32.390	36.946	41.392	45.734	1.012	0.733	1435
1500	2.108	34.669	2.010	27.728	32.399	36.956	41.403	45.745	1.035	0.919	1484
1600	2.063	34.691	1.958	27.750	32.422	36.980	41.429	45.772	1.080	0.662	1582
1700	1.984	34.705	1.872	27.767	32.442	37.002	41.453	45.799	1.123	0.815	1681
1800	1.949	34.710	1.829	27.774	32.450	37.012	41.464	45.811	1.165	0.605	1779
1900	1.937	34.713	1.809	27.778	32.455	37.017	41.469	45.816	1.207	-0.117	1878
1983	1.943	34.712	1.808	27.778	32.454	37.016	41.469	45.816	1.243	0.098	1959



A2-107 157

STA-197 LAT= 42 59.9 S LON= 57 40.0 W SONIC DEPTH 2116 m STA-157
 DATE 10/ 8/90 GMT 12 CTD# 3

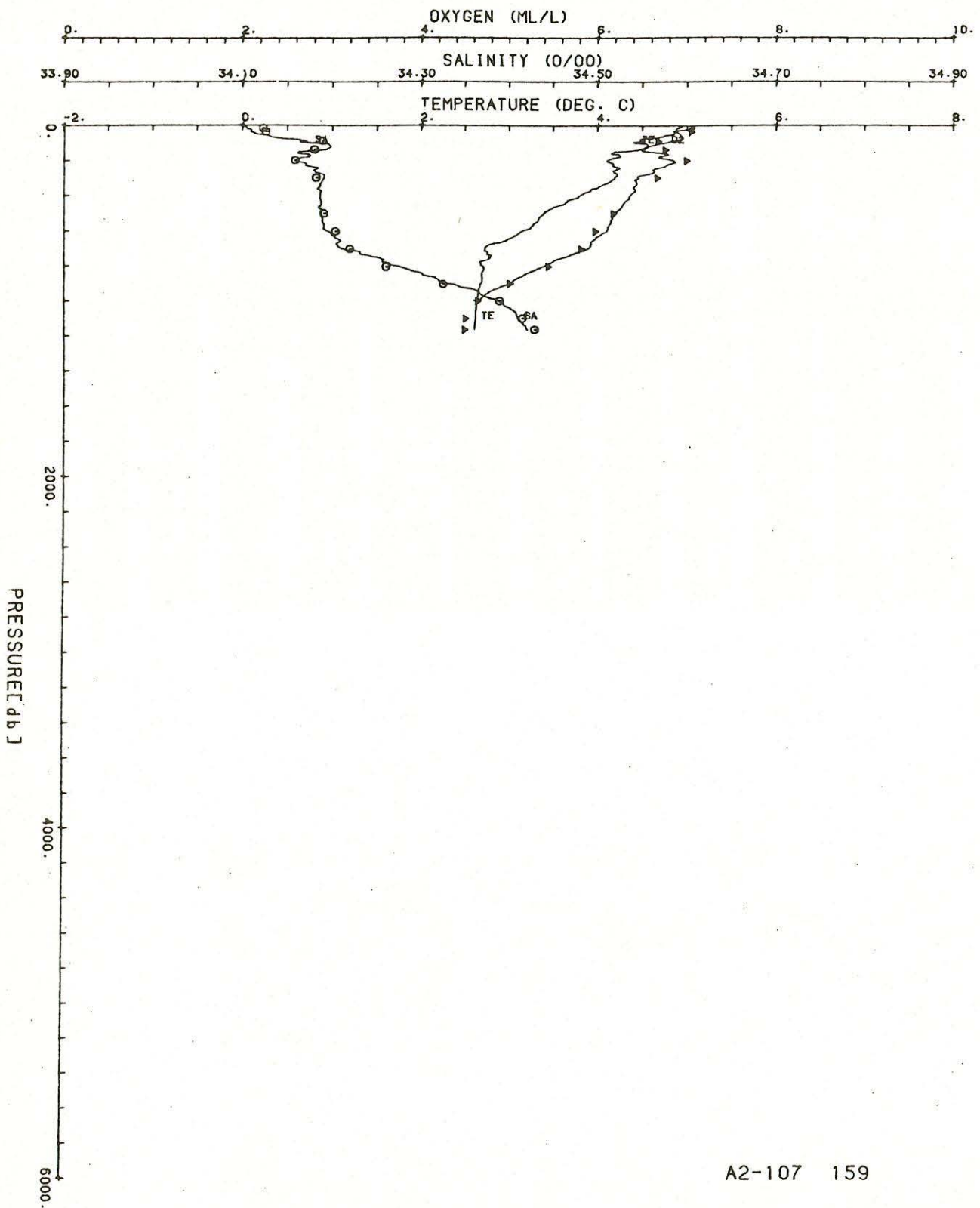
PR	T	S	σ	σ _θ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Dec C								coh	m
3	5.792	33.991	5.792	26.803	31.379	35.844	40.203	44.460	0.004	3.683	3	
25	5.790	34.036	5.788	26.840	31.415	35.880	40.238	44.496	0.031	-1.654	25	
50	5.791	34.006	5.786	26.816	31.392	35.857	40.216	44.473	0.061	-0.883	50	
75	5.839	34.059	5.833	26.877	31.456	35.924	40.288	44.547	0.092	3.207	74	
100	5.068	34.111	5.058	26.986	31.580	36.062	40.437	44.710	0.121	4.335	99	
125	4.479	34.149	4.470	27.082	31.691	36.187	40.576	44.863	0.147	2.845	124	
150	3.943	34.174	3.933	27.158	31.781	36.291	40.693	44.992	0.171	2.094	149	
175	3.807	34.179	3.795	27.177	31.803	36.316	40.721	45.024	0.194	1.567	174	
200	3.560	34.180	3.547	27.202	31.835	36.355	40.766	45.075	0.217	1.626	199	
250	3.175	34.167	3.159	27.228	31.871	36.401	40.823	45.141	0.261	1.413	248	
300	2.876	34.172	2.858	27.260	31.911	36.449	40.879	45.204	0.303	1.290	298	
350	2.716	34.181	2.695	27.281	31.937	36.479	40.913	45.242	0.345	1.366	347	
400	2.543	34.202	2.520	27.312	31.973	36.520	40.958	45.291	0.385	1.475	397	
450	2.455	34.229	2.429	27.342	32.005	36.554	40.994	45.329	0.424	1.333	446	
500	2.525	34.267	2.495	27.367	32.028	36.579	41.013	45.346	0.462	1.459	496	
550	2.540	34.303	2.507	27.394	32.054	36.601	41.038	45.371	0.499	1.105	545	
600	2.935	34.336	2.499	27.422	32.082	36.628	41.065	45.398	0.535	1.512	595	
650	2.928	34.379	2.488	27.456	32.117	36.663	41.100	45.433	0.569	1.346	644	
700	2.469	34.411	2.426	27.488	32.149	36.697	41.135	45.470	0.602	1.403	694	
750	2.498	34.447	2.451	27.514	32.174	36.721	41.159	45.492	0.634	1.432	743	
800	2.515	34.488	2.469	27.546	32.208	36.752	41.189	45.521	0.664	1.366	793	
850	2.486	34.523	2.433	27.576	32.237	36.783	41.221	45.554	0.693	1.264	842	
900	2.465	34.548	2.408	27.598	32.259	36.806	41.244	45.578	0.722	1.047	892	
950	2.457	34.565	2.397	27.613	32.274	36.821	41.259	45.593	0.749	0.963	941	
1000	2.444	34.585	2.381	27.630	32.292	36.839	41.277	45.611	0.776	1.154	990	
1050	2.397	34.605	2.330	27.650	32.313	36.861	41.301	45.636	0.802	1.102	1040	
1100	2.438	34.639	2.367	27.674	32.335	36.883	41.321	45.655	0.827	1.054	1089	
1150	2.458	34.660	2.383	27.689	32.350	36.897	41.335	45.668	0.852	1.024	1139	
1200	2.422	34.669	2.344	27.700	32.362	36.910	41.349	45.683	0.876	0.908	1188	
1250	2.372	34.677	2.290	27.711	32.374	36.923	41.363	45.699	0.899	0.661	1237	
1300	2.350	34.684	2.264	27.719	32.383	36.939	41.373	45.709	0.922	0.758	1287	
1350	2.352	34.698	2.263	27.730	32.394	36.944	41.384	45.720	0.946	1.006	1336	
1400	2.327	34.703	2.234	27.737	32.401	36.952	41.393	45.730	0.968	0.560	1385	
1450	2.186	34.694	2.092	27.741	32.409	36.964	41.409	45.749	0.991	0.824	1434	
1500	2.127	34.698	2.029	27.749	32.420	36.976	41.423	45.764	1.013	0.761	1484	
1600	1.977	34.698	1.873	27.761	32.436	36.997	41.447	45.793	1.056	0.712	1582	
1700	1.959	34.707	1.847	27.771	32.448	37.007	41.459	45.805	1.098	0.548	1681	
1800	1.911	34.714	1.792	27.781	32.458	37.020	41.473	45.821	1.140	0.635	1779	
1900	1.851	34.719	1.724	27.790	32.469	37.033	41.487	45.837	1.181	0.517	1878	
2000	1.829	34.724	1.694	27.796	32.475	37.040	41.496	45.846	1.221	0.479	1976	
2100	1.788	34.726	1.646	27.801	32.482	37.049	41.505	45.857	1.262	0.602	2074	
2123	1.772	34.724	1.629	27.801	32.483	37.049	41.506	45.858	1.271	-0.073	2097	



A2-107 158

STA-158 LAT= 44 28.9 S LON= 58 51.4 W SONIC DEPTH 1882 m STA-158
 DATE 10/ 8/90 GMT 1215 CTD# 3

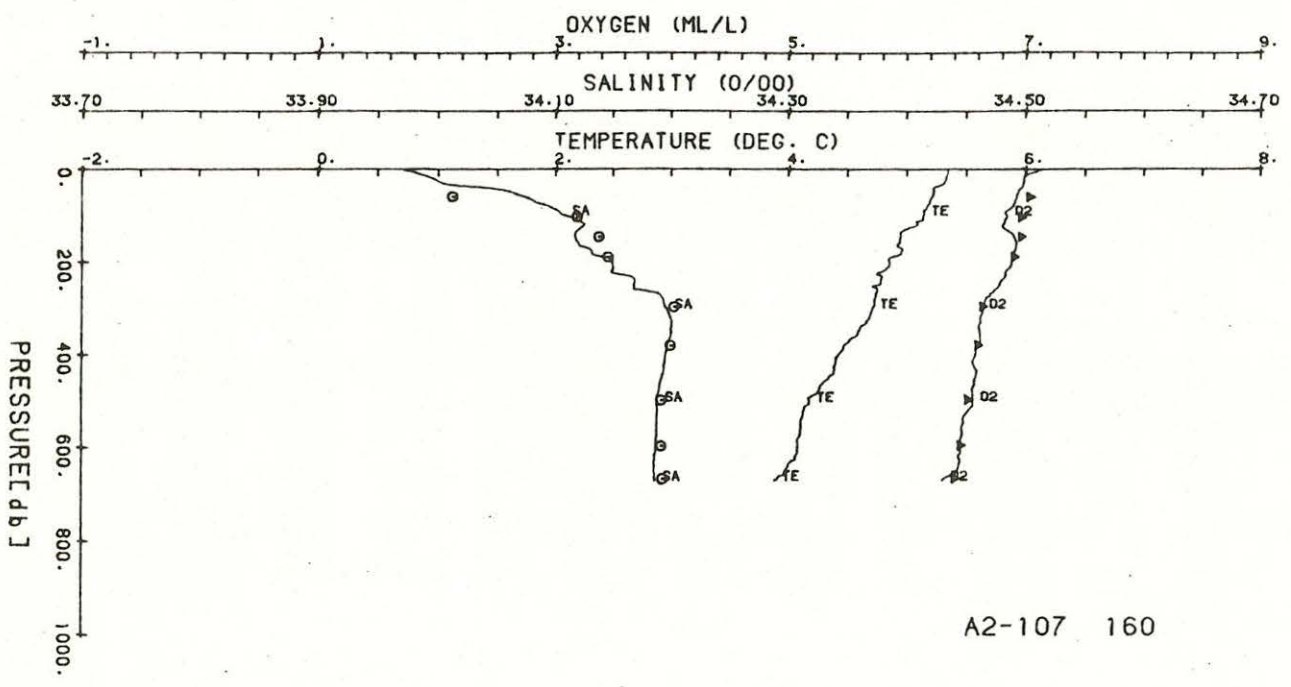
PR dbar	T Deg C	S o/oo	θ Deg C	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N cm	DE m
5	5.118	34.067	5.117	26.944	31.537	36.017	40.392	44.664	0.006	2.305	5
25	5.047	34.096	5.049	26.975	31.569	36.052	40.427	44.701	0.028	1.978	25
50	4.994	34.135	4.990	27.058	31.663	36.158	40.543	44.827	0.054	3.096	50
75	4.736	34.158	4.730	27.104	31.716	36.216	40.608	44.898	0.079	2.092	74
100	4.159	34.175	4.152	27.136	31.753	36.257	40.654	44.948	0.103	1.505	99
125	3.996	34.173	3.988	27.152	31.773	36.281	40.682	44.980	0.127	1.640	124
150	3.851	34.181	3.841	27.174	31.798	36.311	40.715	45.016	0.150	1.582	149
175	3.656	34.176	3.647	27.189	31.819	36.336	40.745	45.052	0.172	1.082	174
200	3.558	34.174	3.544	27.197	31.830	36.350	40.762	45.071	0.195	1.153	198
250	3.359	34.176	3.343	27.218	31.856	36.381	40.798	45.112	0.239	1.275	248
300	3.241	34.182	3.222	27.234	31.876	36.404	40.824	45.140	0.283	1.225	298
350	2.932	34.188	2.910	27.267	31.917	36.454	40.882	45.205	0.326	1.525	347
400	2.744	34.193	2.720	27.289	31.944	36.487	40.918	45.247	0.367	1.210	397
450	2.656	34.212	2.629	27.311	31.969	36.513	40.948	45.278	0.407	1.346	446
500	2.660	34.238	2.630	27.332	31.990	36.533	40.968	45.298	0.447	1.252	496
550	2.648	34.278	2.614	27.365	32.023	36.567	41.001	45.332	0.485	1.400	545
600	2.653	34.306	2.616	27.387	32.044	36.588	41.022	45.352	0.523	0.992	595
650	2.634	34.342	2.594	27.418	32.075	36.619	41.054	45.384	0.559	1.383	644
700	2.635	34.377	2.591	27.446	32.103	36.647	41.081	45.412	0.594	1.534	694
750	2.603	34.412	2.558	27.477	32.135	36.679	41.115	45.446	0.627	1.134	743
800	2.595	34.433	2.544	27.495	32.153	36.697	41.132	45.463	0.660	1.014	793
850	2.556	34.458	2.503	27.518	32.178	36.723	41.159	45.491	0.692	1.296	842
900	2.512	34.483	2.455	27.542	32.202	36.749	41.186	45.519	0.723	0.831	892
950	2.483	34.503	2.422	27.561	32.222	36.769	41.207	45.541	0.753	1.363	941
1000	2.421	34.538	2.358	27.595	32.257	36.806	41.249	45.580	0.782	1.387	990
1050	2.386	34.560	2.320	27.615	32.279	36.828	41.268	45.604	0.809	1.089	1040
1100	2.359	34.574	2.289	27.629	32.293	36.843	41.284	45.620	0.836	1.171	1089
1150	2.301	34.598	2.228	27.653	32.319	36.870	41.312	45.650	0.862	0.877	1138
1200	2.336	34.621	2.258	27.669	32.333	36.884	41.325	45.662	0.887	0.751	1188
1250	2.327	34.630	2.246	27.677	32.342	36.893	41.335	45.671	0.913	0.746	1237
1300	2.323	34.636	2.238	27.683	32.348	36.899	41.340	45.677	0.937	0.555	1286
1350	2.330	34.643	2.242	27.688	32.353	36.903	41.345	45.682	0.962	0.580	1336
1400	2.334	34.651	2.242	27.694	32.359	36.910	41.351	45.688	0.987	0.656	1385
1450	2.328	34.657	2.231	27.700	32.365	36.916	41.357	45.695	1.011	0.553	1434
1500	2.317	34.661	2.218	27.704	32.370	36.921	41.363	45.701	1.036	0.606	1484
1600	2.301	34.670	2.193	27.714	32.380	36.931	41.374	45.712	1.084	0.583	1582
1700	2.289	34.686	2.174	27.728	32.394	36.947	41.390	45.728	1.132	0.741	1681
1800	2.296	34.694	2.172	27.735	32.401	36.953	41.396	45.735	1.179	0.452	1779
1893	2.288	34.700	2.154	27.741	32.407	36.960	41.403	45.742	1.223	0.497	1870



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STA-159 LAT= 45 9.3 S LON= 59 24.8 W SONIC DEPTH 1175 m STA-159
 DATE 10/ 8/80 GMT 1925 CTD# 3

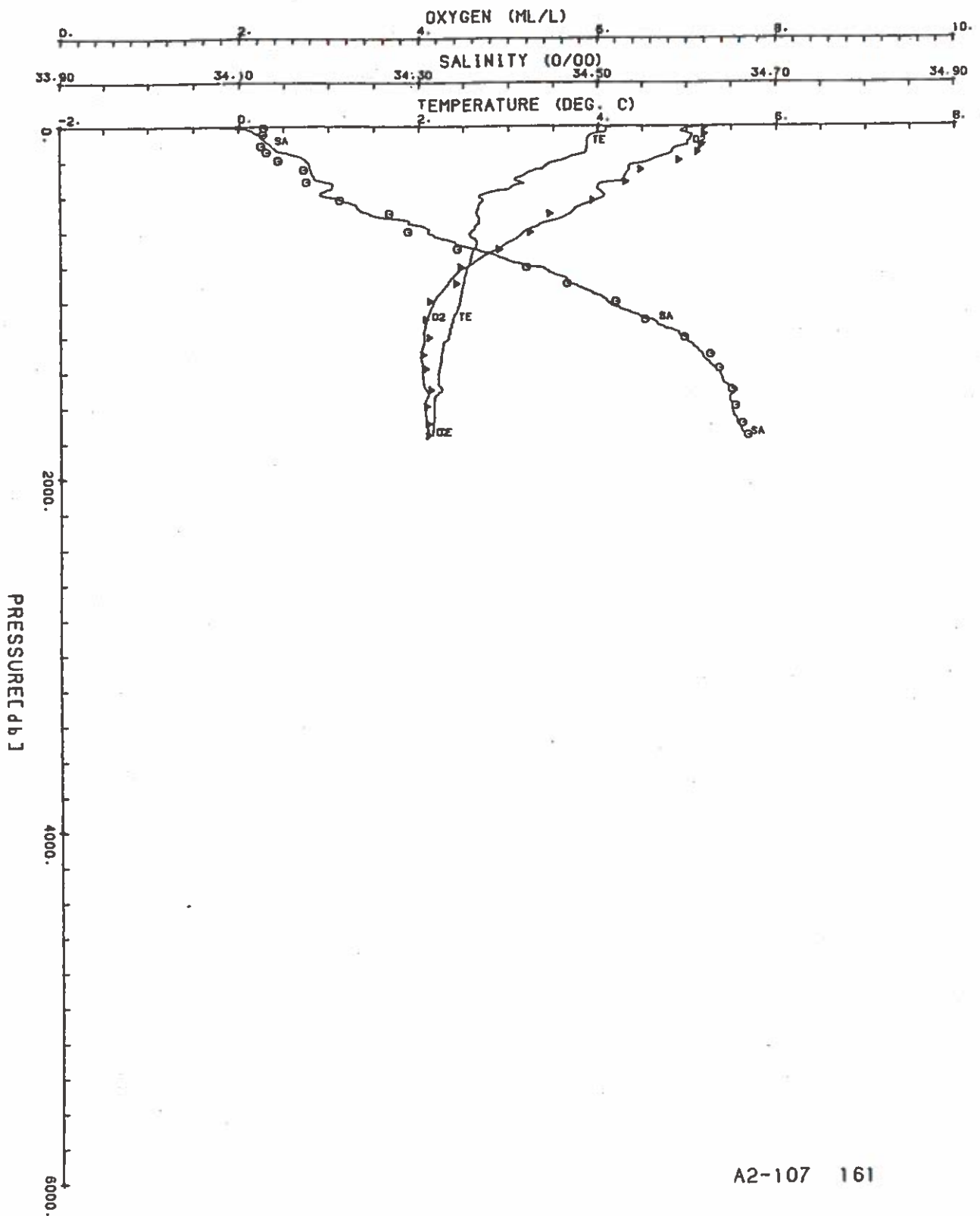
PR	T	S	θ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							coh	m
3	4.968	34.097	4.968	26.985	31.581	36.065	40.443	44.718	0.003	2.041	3
25	4.870	34.108	4.868	27.006	31.604	36.091	40.471	44.748	0.027	1.128	25
50	4.834	34.116	4.830	27.016	31.615	36.103	40.484	44.762	0.053	2.058	50
75	4.529	34.144	4.523	27.072	31.679	36.175	40.562	44.848	0.079	2.913	74
100	4.462	34.179	4.455	27.107	31.716	36.212	40.602	44.888	0.104	1.596	99
125	4.533	34.197	4.524	27.115	31.721	36.216	40.603	44.888	0.128	1.023	124
150	4.228	34.168	4.217	27.124	31.739	36.242	40.637	44.930	0.152	1.097	149
175	4.247	34.175	4.235	27.128	31.742	36.244	40.639	44.931	0.177	0.203	174
200	4.108	34.159	4.094	27.130	31.748	36.254	40.653	44.948	0.201	0.647	198
250	4.211	34.181	4.194	27.137	31.753	36.256	40.651	44.944	0.249	0.765	248
300	4.184	34.190	4.163	27.148	31.764	36.268	40.664	44.958	0.297	0.810	298
350	4.005	34.185	3.980	27.163	31.784	36.292	40.693	44.991	0.344	1.261	347
400	3.791	34.186	3.763	27.185	31.812	36.326	40.733	45.036	0.391	1.198	397
450	3.591	34.187	3.561	27.206	31.838	36.358	40.769	45.077	0.437	1.224	446
500	3.386	34.187	3.352	27.226	31.864	36.389	40.806	45.119	0.482	0.952	496
550	3.299	34.189	3.262	27.236	31.877	36.404	40.823	45.138	0.526	0.912	545
600	3.137	34.195	3.098	27.256	31.901	36.433	40.856	45.175	0.570	1.421	595
650	2.965	34.209	2.923	27.283	31.932	36.468	40.896	45.219	0.613	1.477	644
700	2.724	34.212	2.680	27.307	31.963	36.508	40.940	45.269	0.655	1.287	694
750	2.778	34.253	2.730	27.335	31.990	36.531	40.963	45.290	0.695	1.458	743
800	2.705	34.277	2.654	27.361	32.017	36.560	40.993	45.323	0.734	1.128	793
850	2.687	34.305	2.633	27.385	32.042	36.585	41.019	45.349	0.773	1.251	842
900	2.675	34.337	2.617	27.412	32.069	36.612	41.048	45.376	0.810	1.514	892
950	2.647	34.367	2.586	27.439	32.096	36.640	41.075	45.405	0.846	0.921	941
1000	2.636	34.390	2.572	27.459	32.116	36.660	41.095	45.425	0.881	1.038	990
1050	2.622	34.405	2.554	27.472	32.130	36.674	41.110	45.441	0.915	0.861	1040
1100	2.618	34.411	2.546	27.477	32.136	36.680	41.115	45.447	0.950	0.675	1089
1150	2.607	34.420	2.532	27.486	32.144	36.689	41.125	45.456	0.984	0.679	1138
1161	2.606	34.422	2.529	27.487	32.146	36.690	41.126	45.458	0.991	0.869	1149



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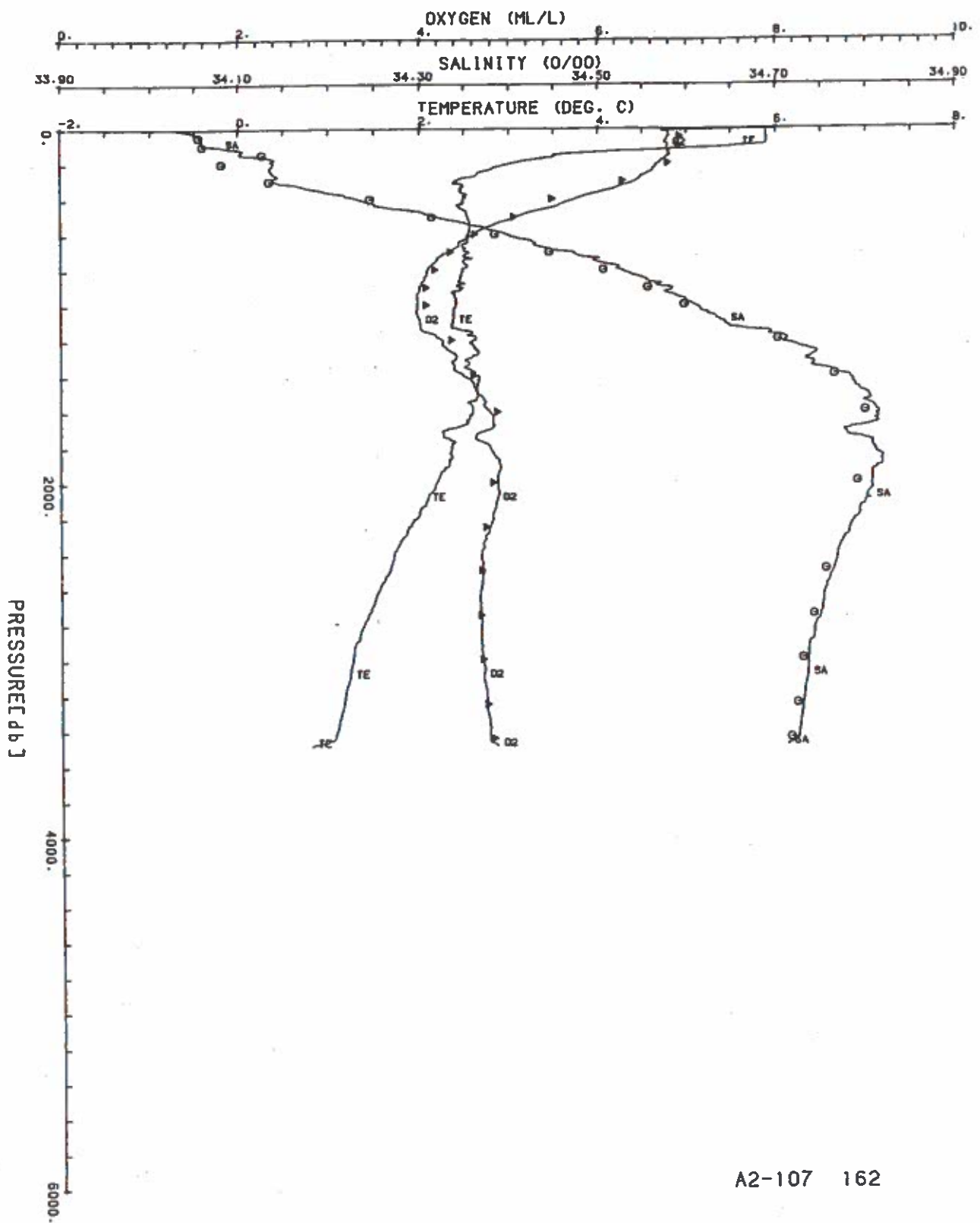
STA-160 LAT= 45 59.0 S LON= 59 59.5 W SONIC DEPTH 694 m STA-160
 DATE 11/ 8/80 GMT 207 CTD# 3

PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cm	m
3	5.343	33.972	5.343	26.843	31.430	35.906	40.275	44.543	0.004	1.934	3
25	5.320	33.999	5.318	26.867	31.455	35.931	40.301	44.569	0.030	1.970	25
50	5.223	34.062	5.220	26.928	31.518	35.998	40.368	44.638	0.059	2.254	50
75	5.184	34.088	5.175	26.954	31.544	36.024	40.396	44.667	0.089	1.825	74
100	5.139	34.109	5.132	26.976	31.568	36.048	40.421	44.693	0.115	1.573	99
125	5.042	34.123	5.033	26.998	31.592	36.075	40.451	44.724	0.143	1.453	124
150	4.943	34.118	4.931	27.006	31.603	36.098	40.466	44.742	0.170	0.798	149
175	4.957	34.131	4.944	27.015	31.611	36.096	40.474	44.750	0.197	1.168	174
200	4.854	34.150	4.838	27.042	31.641	36.128	40.508	44.786	0.223	1.214	198
250	4.750	34.168	4.731	27.068	31.670	36.160	40.542	44.823	0.275	1.416	248
300	4.709	34.197	4.687	27.096	31.698	36.189	40.572	44.854	0.326	0.959	298
350	4.549	34.200	4.563	27.112	31.718	36.212	40.598	44.882	0.376	1.080	347
400	4.416	34.195	4.386	27.128	31.738	36.238	40.627	44.915	0.426	0.794	397
450	4.328	34.192	4.299	27.135	31.747	36.248	40.641	44.931	0.475	0.994	446
500	4.173	34.188	4.136	27.149	31.766	36.270	40.667	44.961	0.524	0.983	496
550	4.101	34.188	4.061	27.156	31.775	36.282	40.681	44.977	0.573	0.447	545
600	4.073	34.187	4.029	27.159	31.779	36.288	40.686	44.983	0.621	0.389	595
650	3.969	34.186	3.922	27.169	31.792	36.302	40.704	45.004	0.670	1.002	644
669	3.879	34.186	3.831	27.179	31.804	36.316	40.721	45.022	0.688	1.456	663



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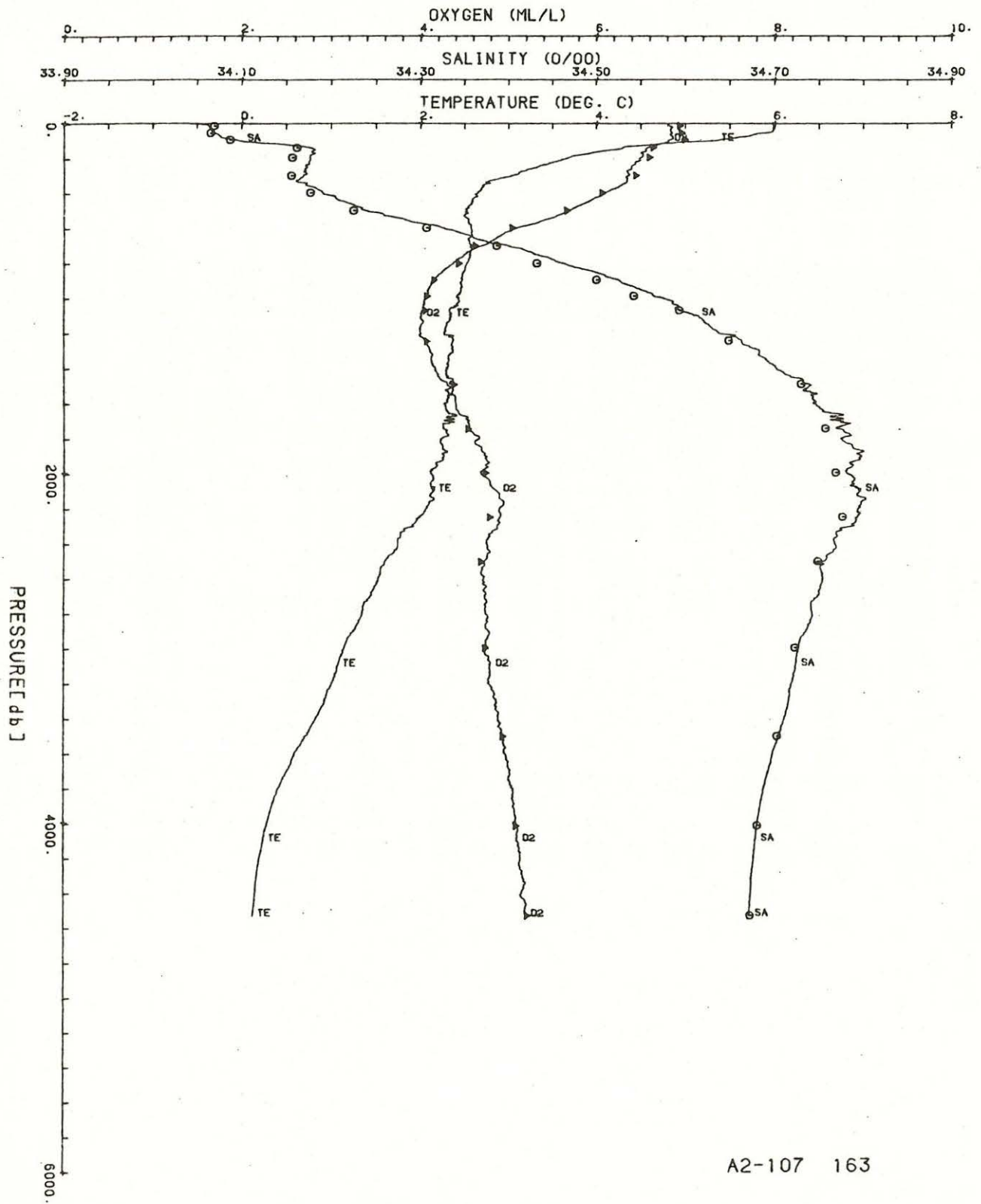
STA-161		LAT= 49 59.6 S		LON= 58 59.6 W		SONIC DEPTH 1769m				STA-161			
DATE 11/ 8/90		GMT 700		CTD# 3									
PR	T	S	θ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTM	σ _θ	DE		
dbar	Deg C	o/oo	Deg C									m	
3	4.109	34.078	4.102	27.065	31.684	36.190	40.589	44.885	0.003	2.945	3		
25	4.090	34.115	4.089	27.095	31.714	36.220	40.619	44.915	0.025	1.188	25		
50	3.927	34.124	3.923	27.120	31.743	36.254	40.656	44.956	0.049	1.663	50		
75	3.877	34.128	3.872	27.128	31.752	36.264	40.668	44.969	0.073	0.858	74		
100	3.875	34.134	3.868	27.133	31.758	36.269	40.674	44.975	0.097	0.815	99		
125	3.873	34.139	3.867	27.138	31.762	36.274	40.678	44.980	0.120	0.867	124		
150	3.851	34.154	3.841	27.152	31.777	36.289	40.694	44.995	0.144	1.754	149		
175	3.679	34.170	3.667	27.182	31.812	36.329	40.730	45.043	0.167	1.749	174		
200	3.522	34.176	3.509	27.202	31.836	36.357	40.770	45.079	0.190	1.545	198		
250	3.265	34.181	3.250	27.231	31.872	36.399	40.818	45.134	0.234	1.402	248		
300	3.070	34.186	3.052	27.253	31.899	36.432	40.856	45.177	0.276	1.050	298		
350	3.007	34.203	2.989	27.273	31.921	36.455	40.881	45.203	0.318	1.265	347		
400	2.685	34.201	2.661	27.300	31.956	36.499	40.934	45.263	0.359	1.299	397		
450	2.663	34.230	2.636	27.325	31.982	36.526	40.960	45.291	0.399	1.040	446		
500	2.648	34.247	2.617	27.340	31.997	36.541	40.976	45.307	0.438	1.299	496		
550	2.656	34.290	2.623	27.374	32.031	36.574	41.009	45.339	0.476	1.362	545		
600	2.575	34.311	2.539	27.398	32.057	36.603	41.039	45.371	0.513	0.909	595		
650	2.643	34.338	2.602	27.414	32.072	36.615	41.050	45.380	0.549	1.068	644		
700	2.600	34.368	2.557	27.442	32.101	36.645	41.081	45.412	0.584	1.486	694		
750	2.572	34.398	2.529	27.469	32.128	36.673	41.109	45.440	0.619	1.238	743		
800	2.532	34.439	2.492	27.505	32.165	36.711	41.148	45.480	0.651	1.437	793		
850	2.502	34.461	2.449	27.525	32.186	36.732	41.170	45.503	0.682	1.125	842		
900	2.483	34.476	2.428	27.539	32.200	36.747	41.188	45.519	0.713	1.167	891		
950	2.468	34.498	2.406	27.558	32.220	36.767	41.208	45.540	0.743	1.110	941		
1000	2.448	34.514	2.385	27.573	32.235	36.783	41.221	45.556	0.773	0.948	990		
1050	2.412	34.536	2.345	27.594	32.257	36.809	41.245	45.580	0.802	1.273	1040		
1100	2.371	34.563	2.302	27.619	32.283	36.833	41.273	45.610	0.829	1.182	1099		
1150	2.337	34.581	2.263	27.636	32.301	36.852	41.293	45.630	0.856	1.205	1138		
1200	2.322	34.598	2.244	27.652	32.317	36.868	41.310	45.647	0.882	0.991	1188		
1250	2.263	34.608	2.182	27.665	32.332	36.884	41.328	45.667	0.908	0.868	1237		
1300	2.245	34.618	2.162	27.674	32.342	36.895	41.339	45.678	0.933	0.884	1286		
1350	2.239	34.626	2.147	27.682	32.350	36.904	41.348	45.687	0.958	0.809	1334		
1400	2.212	34.636	2.122	27.693	32.361	36.915	41.360	45.700	0.983	0.737	1385		
1450	2.210	34.641	2.115	27.696	32.365	36.919	41.364	45.704	1.007	0.564	1434		
1500	2.249	34.656	2.149	27.706	32.373	36.927	41.370	45.710	1.031	0.402	1483		
1600	2.182	34.651	2.078	27.709	32.379	36.933	41.381	45.723	1.079	0.393	1582		
1700	2.151	34.659	2.030	27.717	32.388	36.944	41.391	45.733	1.127	0.494	1680		
1757	2.147	34.665	2.028	27.723	32.394	36.950	41.397	45.739	1.154	0.664	1736		



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STA-162 LAT= 46 4.4 S LON= 58 2.5 W SONIC DEPTH 3458 m STA-162
 DATE 11/ 8/90 GMT 1236 CTD# 3

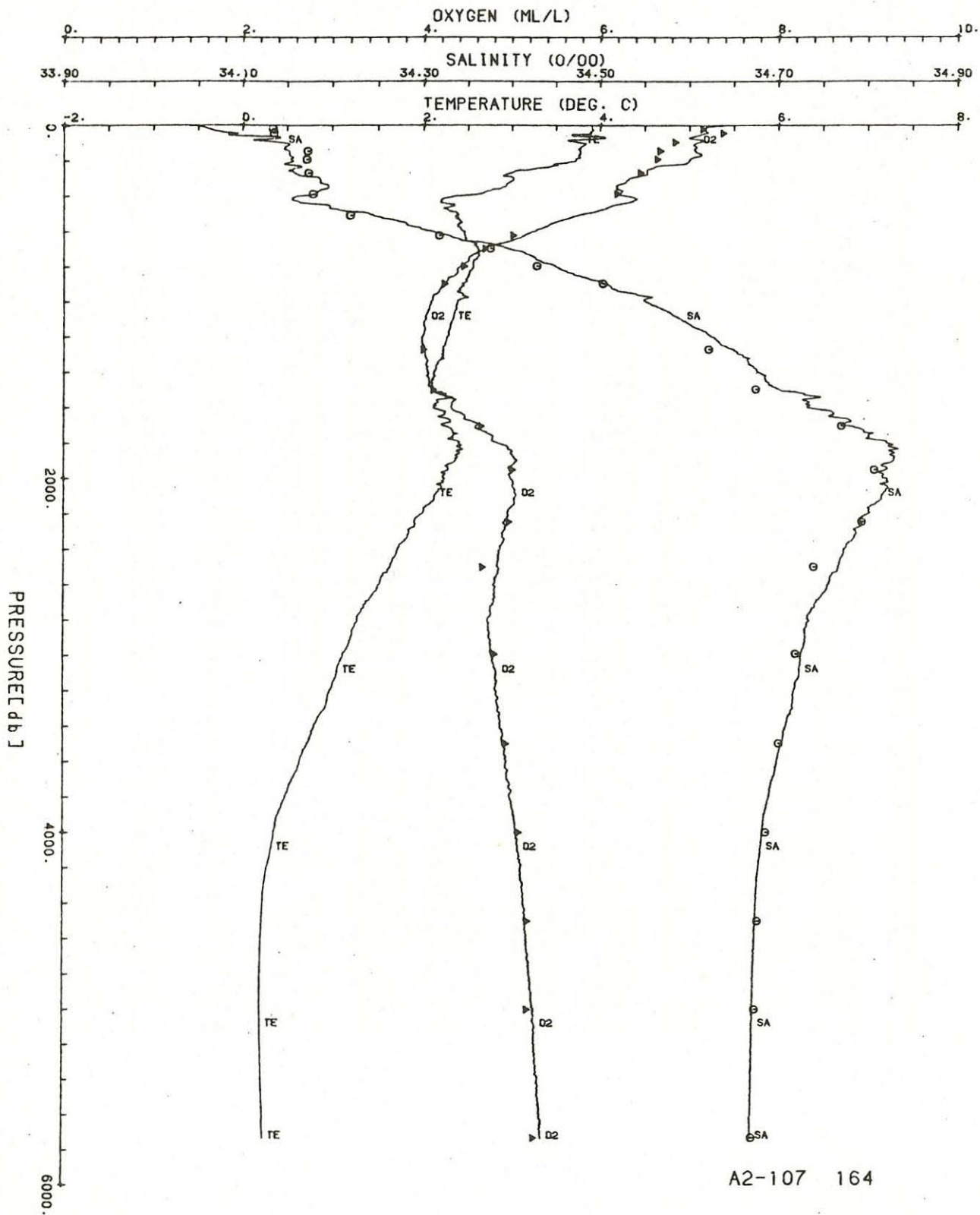
PR	T	S	θ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							con	m
7	5.892	34.032	5.891	26.924	31.397	35.859	40.215	44.470	0.009	1.803	7
25	5.896	34.053	5.894	26.840	31.413	35.874	40.230	44.485	0.031	1.138	25
50	5.900	34.058	5.896	26.844	31.416	35.878	40.234	44.489	0.061	0.548	50
75	5.902	34.058	5.899	26.844	31.416	35.879	40.234	44.489	0.092	0.160	75
100	5.585	34.079	5.577	26.900	31.480	35.949	40.315	44.574	0.122	4.060	99
125	4.414	34.105	4.406	27.054	31.665	36.163	40.554	44.843	0.150	4.180	124
150	3.520	34.116	3.510	27.154	31.789	36.310	40.723	45.033	0.174	2.807	149
175	3.259	34.140	3.244	27.198	31.840	36.368	40.787	45.103	0.197	2.145	174
200	2.977	34.139	2.967	27.223	31.872	36.408	40.835	45.157	0.219	1.432	198
250	2.652	34.139	2.637	27.252	31.910	36.454	40.890	45.221	0.262	1.401	248
300	2.797	34.144	2.380	27.278	31.943	36.494	40.936	45.274	0.303	1.339	298
350	2.450	34.194	2.430	27.314	31.977	36.526	40.967	45.302	0.344	1.485	347
400	2.482	34.235	2.458	27.344	32.006	36.554	40.993	45.328	0.382	1.792	397
450	2.457	34.273	2.430	27.377	32.040	36.588	41.028	45.363	0.420	1.614	446
500	2.531	34.321	2.501	27.409	32.069	36.618	41.055	45.386	0.456	1.359	496
550	2.556	34.366	2.523	27.444	32.103	36.648	41.085	45.417	0.491	1.425	545
600	2.533	34.400	2.496	27.473	32.132	36.678	41.115	45.447	0.524	1.329	595
650	2.498	34.429	2.459	27.499	32.160	36.706	41.144	45.477	0.556	1.186	644
700	2.539	34.474	2.498	27.532	32.191	36.736	41.172	45.504	0.587	1.474	694
750	2.485	34.499	2.439	27.557	32.217	36.764	41.202	45.535	0.617	1.251	743
800	2.480	34.529	2.431	27.581	32.241	36.788	41.225	45.559	0.646	1.151	793
850	2.447	34.554	2.394	27.604	32.266	36.813	41.251	45.585	0.673	1.177	842
900	2.467	34.584	2.410	27.627	32.287	36.834	41.272	45.605	0.700	1.041	891
950	2.786	34.590	2.326	27.639	32.302	36.851	41.290	45.626	0.727	1.014	941
1000	2.395	34.610	2.332	27.654	32.317	36.865	41.305	45.640	0.752	1.054	990
1050	2.768	34.626	2.301	27.670	32.333	36.882	41.322	45.658	0.777	0.999	1040
1100	2.365	34.644	2.299	27.684	32.348	36.897	41.337	45.673	0.802	0.921	1089
1150	2.769	34.693	2.493	27.707	32.364	36.908	41.343	45.673	0.826	0.988	1138
1200	2.596	34.712	2.516	27.720	32.377	36.920	41.354	45.683	0.849	0.890	1188
1250	2.627	34.736	2.543	27.737	32.392	36.934	41.367	45.696	0.872	0.822	1237
1300	2.557	34.738	2.470	27.744	32.402	36.946	41.381	45.711	0.894	0.829	1286
1350	2.503	34.741	2.412	27.752	32.412	36.957	41.393	45.725	0.916	0.965	1335
1400	2.647	34.779	2.551	27.771	32.426	36.967	41.400	45.728	0.938	0.784	1385
1450	2.642	34.788	2.542	27.779	32.434	36.979	41.408	45.736	0.960	0.733	1434
1500	2.642	34.801	2.538	27.789	32.444	36.986	41.419	45.747	0.981	0.877	1483
1600	2.584	34.813	2.472	27.805	32.462	37.005	41.439	45.769	1.022	0.646	1582
1700	2.311	34.783	2.194	27.804	32.469	37.020	41.461	45.798	1.063	0.633	1680
1800	2.352	34.809	2.227	27.822	32.485	37.035	41.476	45.812	1.103	0.682	1779
1900	2.323	34.818	2.190	27.832	32.497	37.048	41.498	45.826	1.143	0.529	1877
2000	2.178	34.807	2.038	27.836	32.505	37.060	41.506	45.846	1.182	0.432	1975
2100	2.067	34.803	1.920	27.842	32.514	37.073	41.521	45.865	1.220	0.511	2074
2200	1.957	34.791	1.799	27.841	32.517	37.079	41.531	45.878	1.258	0.550	2172
2300	1.825	34.779	1.665	27.842	32.522	37.088	41.543	45.894	1.296	0.515	2270
2400	1.702	34.769	1.535	27.843	32.527	37.096	41.555	45.909	1.333	0.493	2368
2500	1.650	34.764	1.477	27.844	32.530	37.100	41.561	45.917	1.370	0.506	2466
2600	1.538	34.756	1.357	27.846	32.535	37.109	41.573	45.932	1.407	0.542	2564
2700	1.456	34.751	1.268	27.848	32.540	37.117	41.583	45.944	1.443	0.561	2662
2800	1.366	34.744	1.171	27.850	32.544	37.123	41.593	45.956	1.479	0.500	2760
2900	1.285	34.738	1.082	27.851	32.548	37.130	41.601	45.967	1.515	0.482	2858
3000	1.243	34.735	1.031	27.852	32.550	37.134	41.607	45.974	1.550	0.451	2956
3100	1.206	34.734	0.986	27.854	32.554	37.139	41.613	45.981	1.585	0.413	3054
3200	1.149	34.731	0.921	27.855	32.557	37.144	41.620	45.990	1.620	0.389	3151
3300	1.107	34.728	0.871	27.857	32.560	37.148	41.626	45.997	1.654	0.499	3249
3400	1.041	34.726	0.816	27.858	32.563	37.153	41.632	46.005	1.689	0.490	3347
3487	0.781	34.712	0.434	27.865	32.578	37.176	41.663	46.043	1.718	1.424	3447



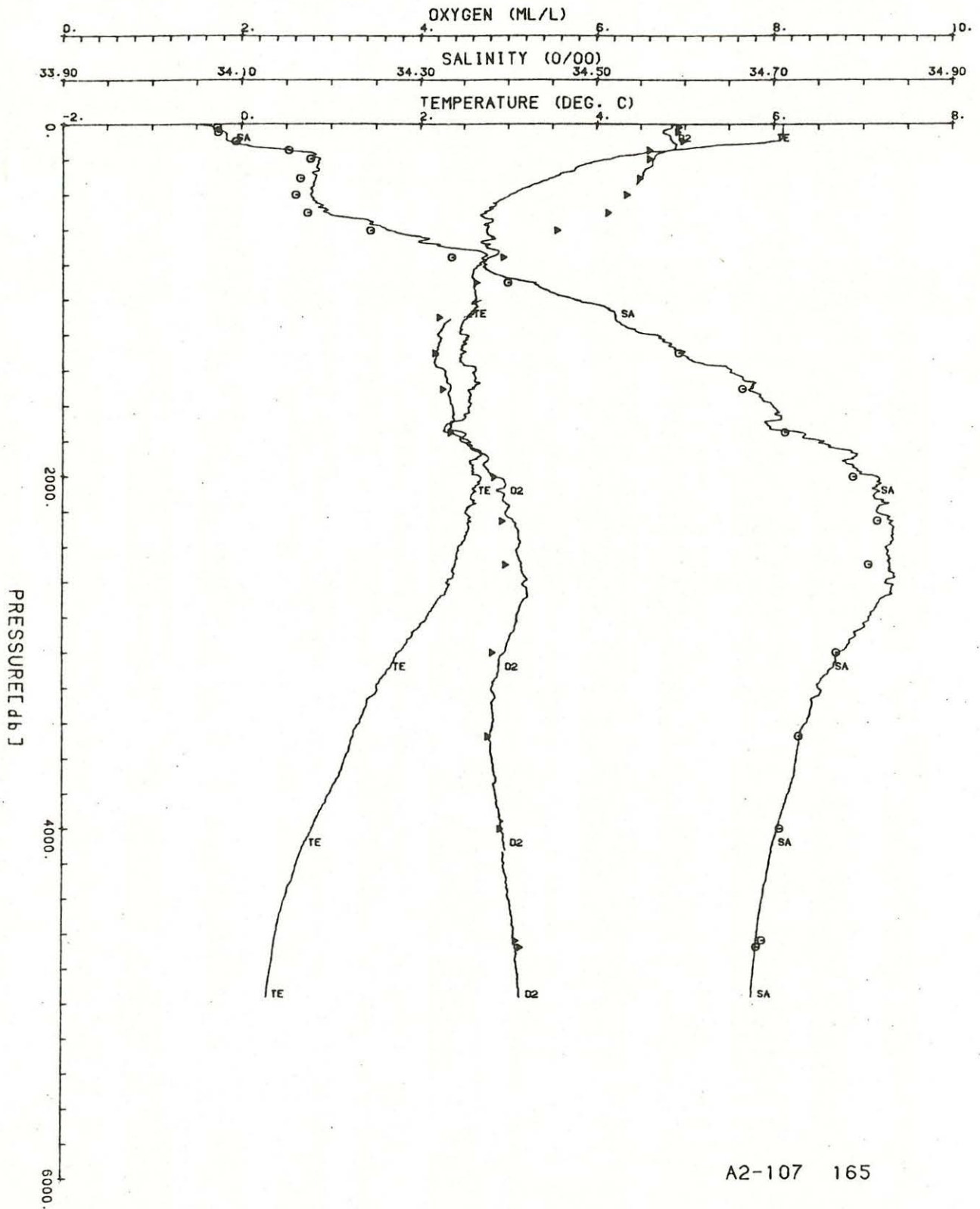
A2-107 163

STA-163 LAT= 45 59.9 S LON= 56 58.7 W SONIC DEPTH 4470 m STA-163
 DATE 11/ 8/80 GMT 1903 CTD# 3

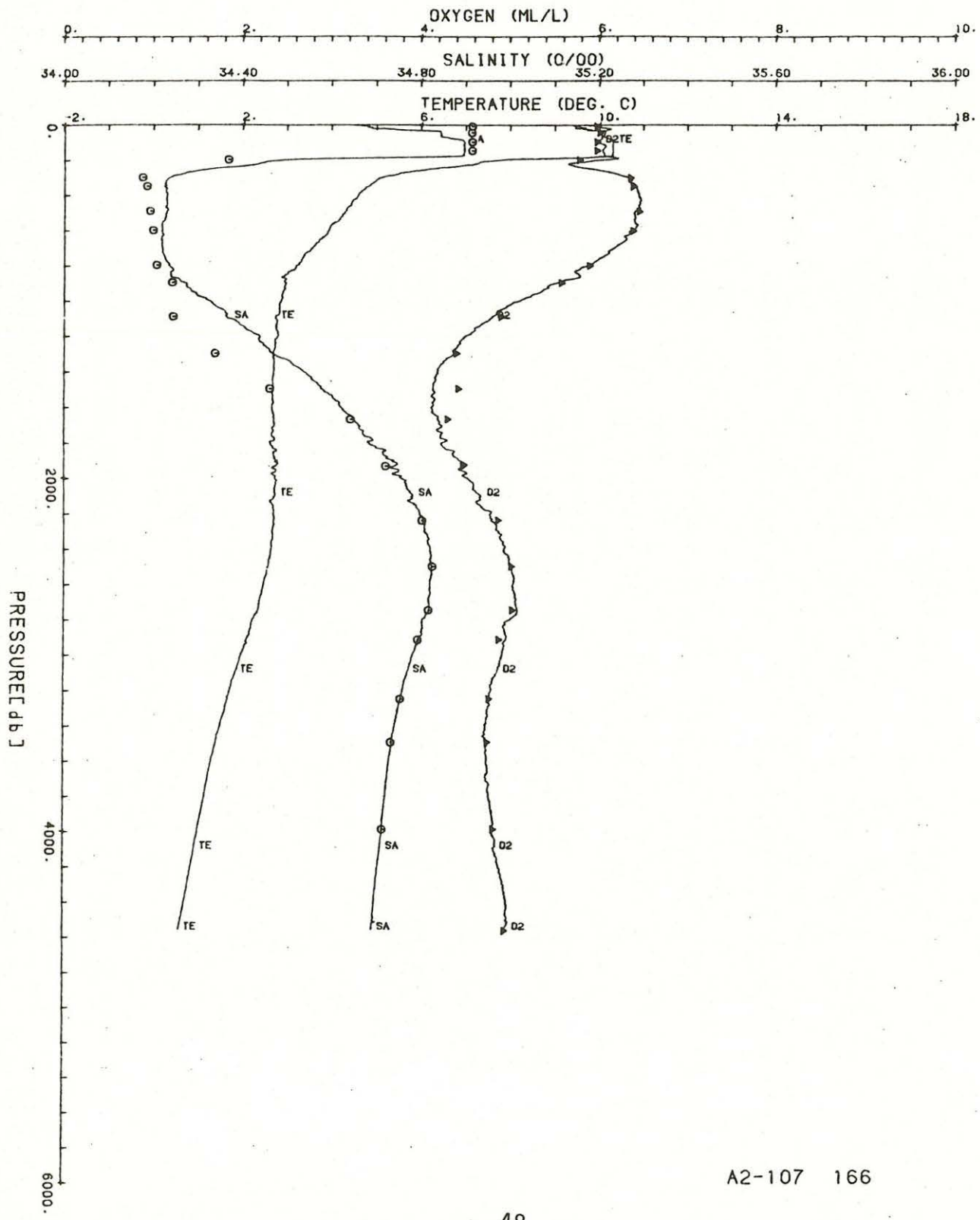
PR	T	S	σ	σ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Dec C	Dec C							cnh	m
3	5.981	34.041	5.981	26.819	31.390	35.849	40.204	44.457	0.004	2.097	3	
25	5.986	34.065	5.984	26.838	31.408	35.868	40.221	44.474	0.031	0.641	25	
50	5.946	34.069	5.942	26.846	31.417	35.878	40.233	44.487	0.061	2.064	50	
75	5.872	34.077	5.866	26.887	31.465	35.932	40.293	44.553	0.091	2.279	74	
100	5.260	34.101	5.253	26.956	31.544	36.022	40.392	44.661	0.120	3.776	99	
125	4.519	34.160	4.510	27.086	31.694	36.189	40.577	44.863	0.147	3.493	124	
150	4.182	34.181	4.172	27.140	31.756	36.259	40.656	44.949	0.171	2.160	149	
175	3.858	34.180	3.846	27.172	31.797	36.309	40.713	45.014	0.194	1.897	174	
200	3.648	34.177	3.635	27.191	31.821	36.338	40.748	45.054	0.217	1.440	198	
250	3.310	34.173	3.294	27.220	31.860	36.386	40.804	45.119	0.261	1.383	248	
300	3.015	34.169	2.996	27.244	31.892	36.427	40.852	45.174	0.305	1.297	298	
350	2.714	34.172	2.693	27.274	31.930	36.473	40.906	45.235	0.347	1.286	347	
400	2.633	34.192	2.610	27.297	31.955	36.500	40.935	45.266	0.388	1.247	397	
450	2.479	34.217	2.552	27.322	31.982	36.529	40.964	45.297	0.428	1.311	446	
500	2.513	34.241	2.483	27.347	32.008	36.556	40.994	45.328	0.466	1.374	496	
550	2.537	34.285	2.504	27.380	32.040	36.587	41.025	45.358	0.504	1.360	545	
600	2.570	34.330	2.534	27.413	32.073	36.618	41.055	45.387	0.540	1.335	595	
650	2.551	34.361	2.512	27.441	32.100	36.646	41.083	45.415	0.575	1.301	644	
700	2.565	34.403	2.522	27.473	32.132	36.677	41.113	45.445	0.609	1.447	694	
750	2.555	34.435	2.509	27.499	32.158	36.704	41.140	45.472	0.641	1.300	743	
800	2.516	34.464	2.466	27.527	32.187	36.733	41.170	45.503	0.673	1.362	793	
850	2.478	34.500	2.429	27.558	32.219	36.766	41.204	45.538	0.703	1.374	842	
900	2.457	34.527	2.400	27.582	32.244	36.791	41.230	45.563	0.732	1.129	891	
950	2.451	34.551	2.391	27.602	32.264	36.811	41.250	45.583	0.760	1.220	941	
1000	2.426	34.577	2.363	27.625	32.287	36.835	41.274	45.608	0.787	1.164	990	
1050	2.365	34.592	2.299	27.642	32.306	36.856	41.298	45.632	0.814	1.153	1040	
1100	2.335	34.613	2.265	27.662	32.326	36.877	41.318	45.655	0.839	1.098	1089	
1150	2.290	34.626	2.217	27.676	32.342	36.893	41.338	45.673	0.864	0.956	1138	
1200	2.263	34.638	2.188	27.689	32.355	36.907	41.350	45.689	0.888	0.912	1188	
1250	2.355	34.664	2.274	27.702	32.366	36.915	41.358	45.692	0.912	0.803	1237	
1300	2.360	34.683	2.275	27.717	32.380	36.930	41.370	45.706	0.936	0.936	1286	
1350	2.313	34.690	2.224	27.727	32.392	36.943	41.384	45.721	0.959	0.880	1336	
1400	2.290	34.702	2.198	27.738	32.404	36.959	41.398	45.735	0.982	0.919	1385	
1450	2.304	34.719	2.208	27.751	32.416	36.968	41.409	45.747	1.004	0.834	1434	
1500	2.357	34.740	2.256	27.764	32.428	36.977	41.418	45.754	1.026	0.727	1483	
1600	2.274	34.745	2.167	27.776	32.442	36.994	41.436	45.774	1.068	0.692	1582	
1700	2.337	34.773	2.221	27.794	32.458	37.009	41.450	45.786	1.110	0.866	1680	
1800	2.228	34.776	2.104	27.805	32.473	37.026	41.470	45.810	1.151	0.721	1779	
1900	2.258	34.798	2.129	27.822	32.488	37.041	41.484	45.823	1.191	0.505	1877	
2000	2.120	34.784	1.982	27.821	32.492	37.049	41.496	45.839	1.231	0.573	1975	
2100	2.136	34.797	1.988	27.831	32.502	37.058	41.505	45.848	1.271	0.547	2074	
2200	2.055	34.795	1.907	27.837	32.510	37.069	41.518	45.862	1.310	0.690	2172	
2300	1.898	34.787	1.739	27.844	32.521	37.085	41.539	45.887	1.348	0.585	2270	
2400	1.742	34.769	1.579	27.840	32.523	37.091	41.549	45.902	1.386	0.516	2368	
2500	1.594	34.754	1.421	27.840	32.527	37.100	41.562	45.919	1.423	0.570	2466	
2600	1.518	34.754	1.338	27.846	32.536	37.110	41.575	45.934	1.460	0.592	2564	
2700	1.431	34.749	1.243	27.849	32.541	37.118	41.588	45.947	1.496	0.545	2662	
2800	1.340	34.743	1.145	27.850	32.546	37.126	41.596	45.960	1.532	0.545	2760	
2900	1.244	34.736	1.042	27.852	32.550	37.133	41.606	45.973	1.567	0.592	2858	
3000	1.138	34.727	0.929	27.852	32.554	37.140	41.616	45.986	1.601	0.542	2956	
3100	1.067	34.724	0.850	27.855	32.559	37.147	41.625	45.997	1.636	0.481	3054	
3200	1.007	34.719	0.776	27.856	32.562	37.153	41.633	46.007	1.669	0.591	3151	
3300	0.923	34.716	0.691	27.858	32.567	37.160	41.643	46.019	1.702	0.579	3249	
3400	0.824	34.711	0.585	27.861	32.573	37.169	41.655	46.034	1.735	0.654	3347	
3500	0.709	34.705	0.463	27.863	32.578	37.178	41.667	46.049	1.766	0.692	3444	
3600	0.592	34.699	0.339	27.865	32.584	37.188	41.680	46.066	1.796	0.845	3542	
3700	0.506	34.694	0.246	27.866	32.588	37.194	41.689	46.078	1.826	0.667	3640	
3800	0.410	34.688	0.142	27.868	32.593	37.202	41.700	46.091	1.854	0.603	3737	
3900	0.338	34.685	0.062	27.869	32.596	37.208	41.708	46.102	1.882	0.524	3834	
4000	0.284	34.681	-0.001	27.870	32.599	37.213	41.715	46.110	1.909	0.521	3932	
4100	0.242	34.679	-0.051	27.870	32.601	37.216	41.720	46.116	1.935	0.416	4029	
4200	0.201	34.677	-0.101	27.871	32.604	37.220	41.725	46.123	1.961	0.464	4127	
4300	0.173	34.675	-0.139	27.871	32.605	37.223	41.729	46.128	1.987	0.374	4224	
4400	0.154	34.674	-0.168	27.872	32.607	37.229	41.732	46.132	2.012	0.325	4321	
4500	0.136	34.672	-0.198	27.872	32.608	37.227	41.735	46.135	2.037	0.392	4418	
4529	0.129	34.672	-0.206	27.873	32.608	37.229	41.736	46.137	2.045	0.431	4446	



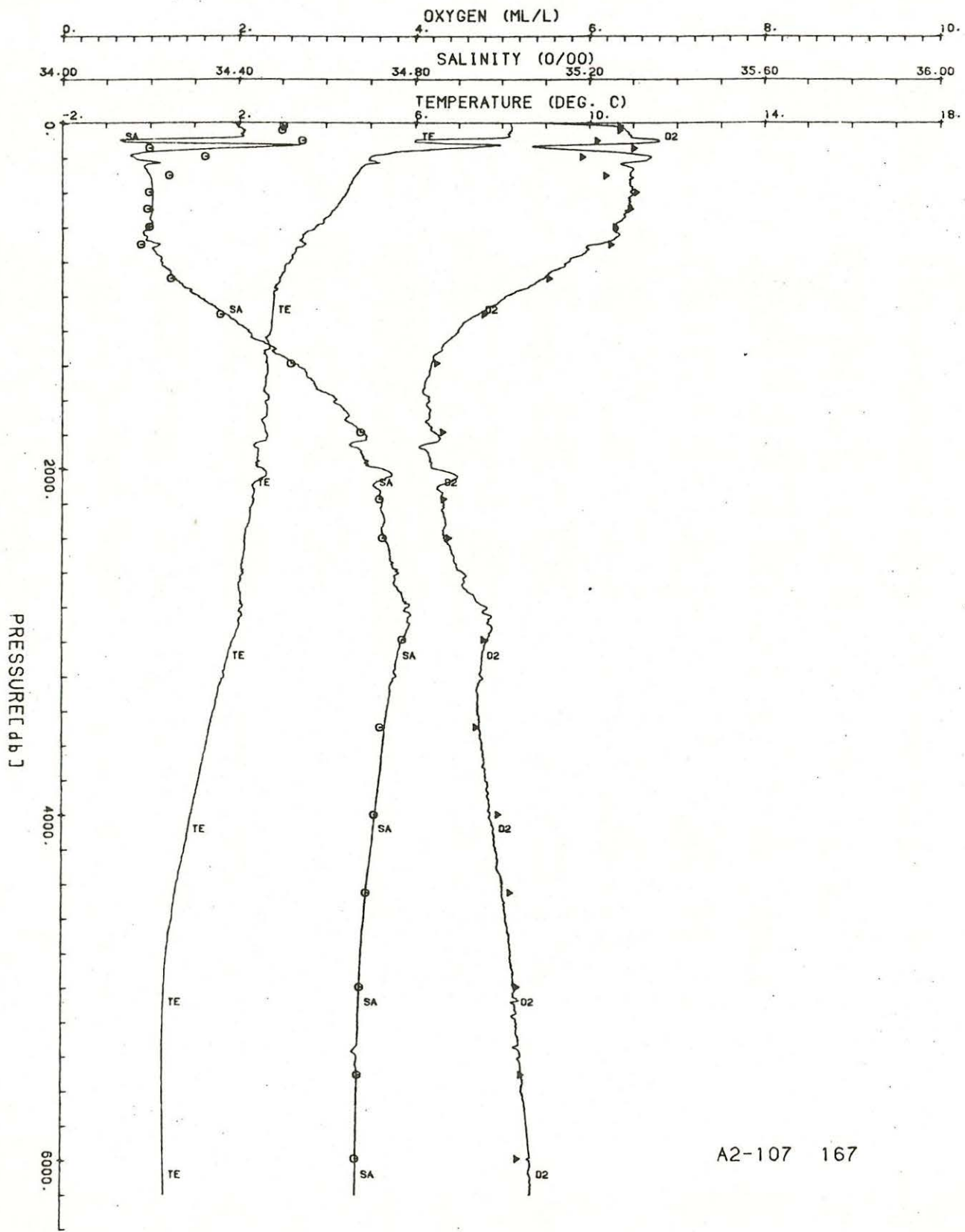
A2-107 164



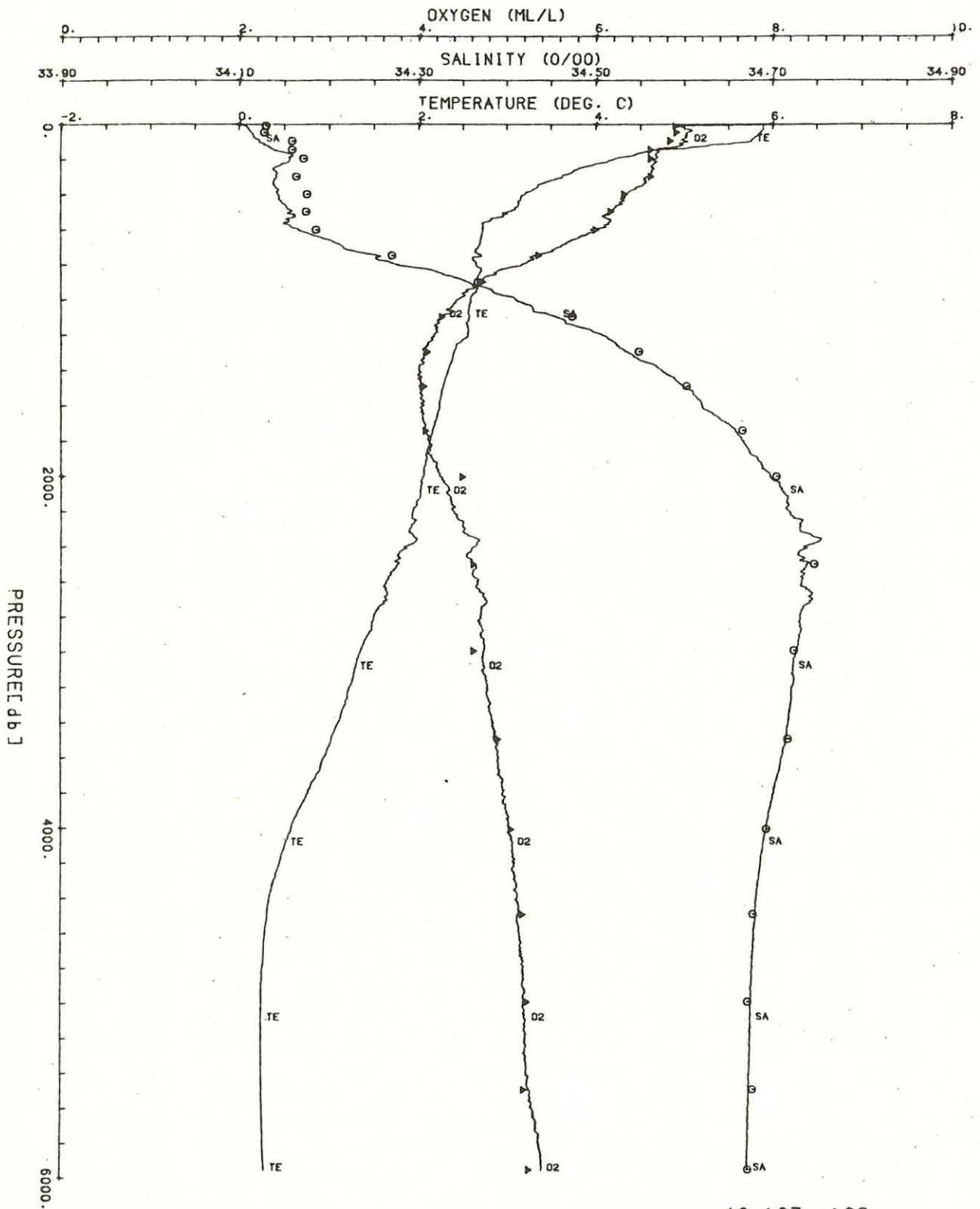
A2-107 165



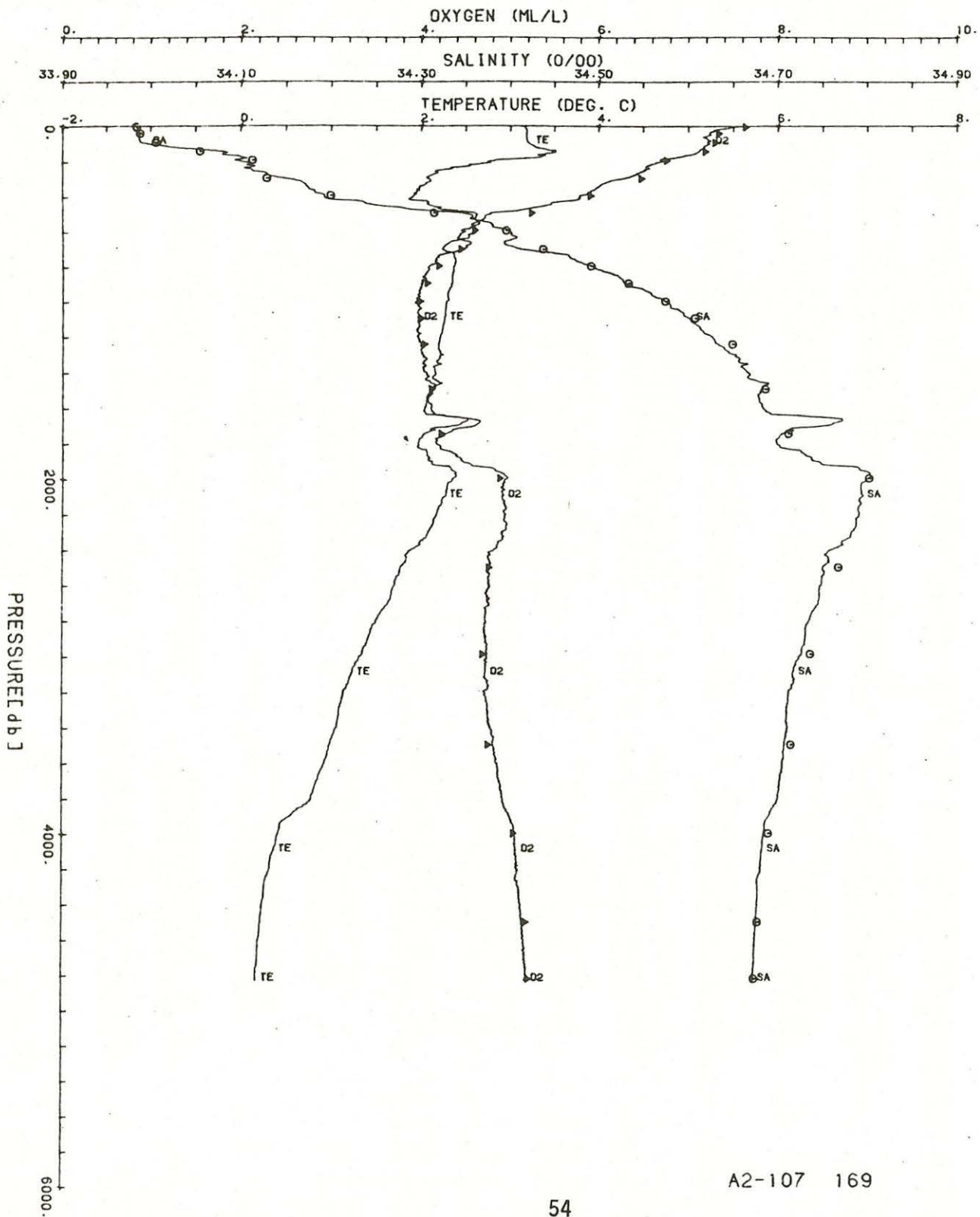
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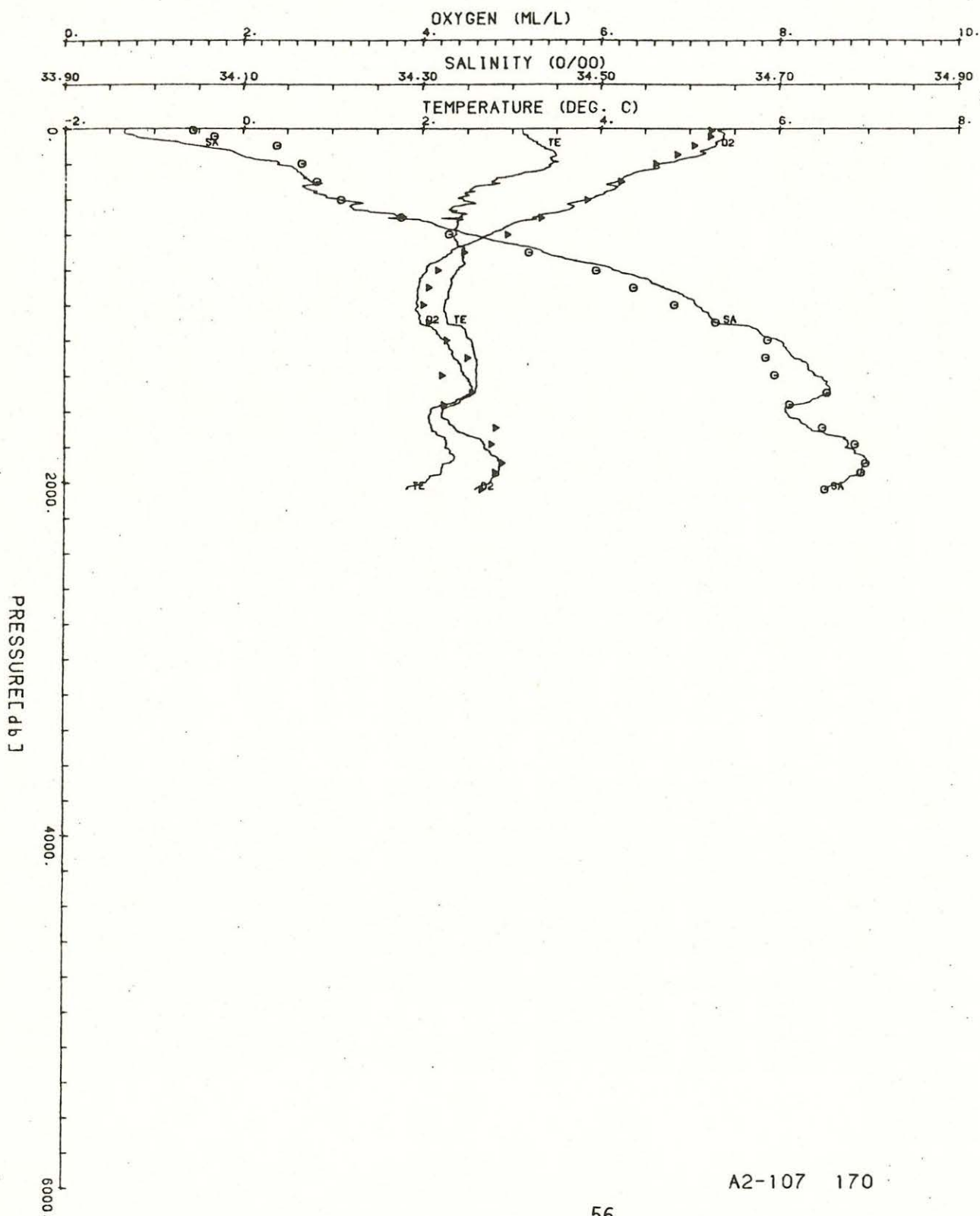


A2-107 167



A2-107 168

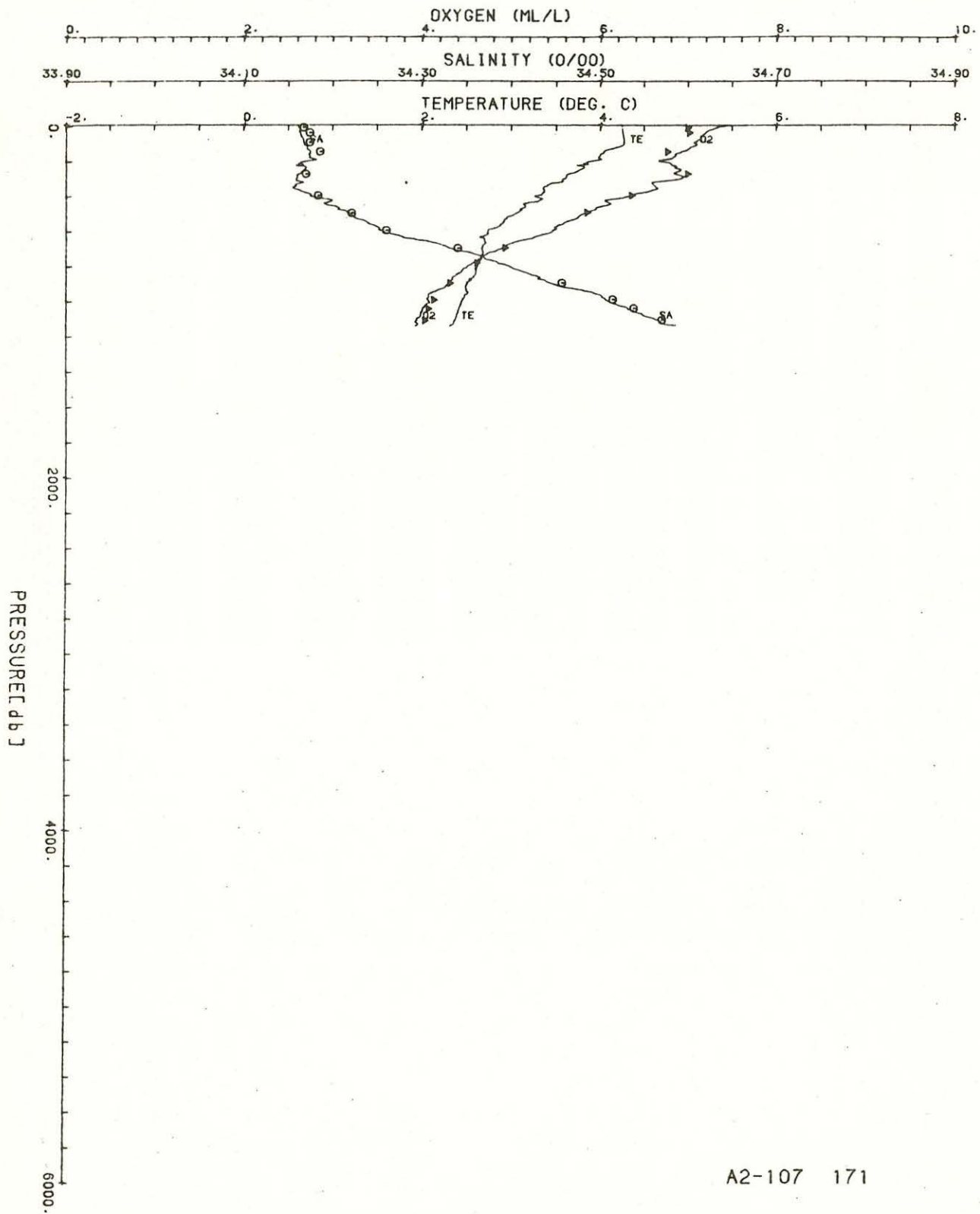




A2-107 170

STA-170 LAT= 48 35.6 S LON= 55 8.7 W SONIC DEPTH 2166 m STA-170
 DATE 14/ 8/80 GMT 1432 CTD# 8

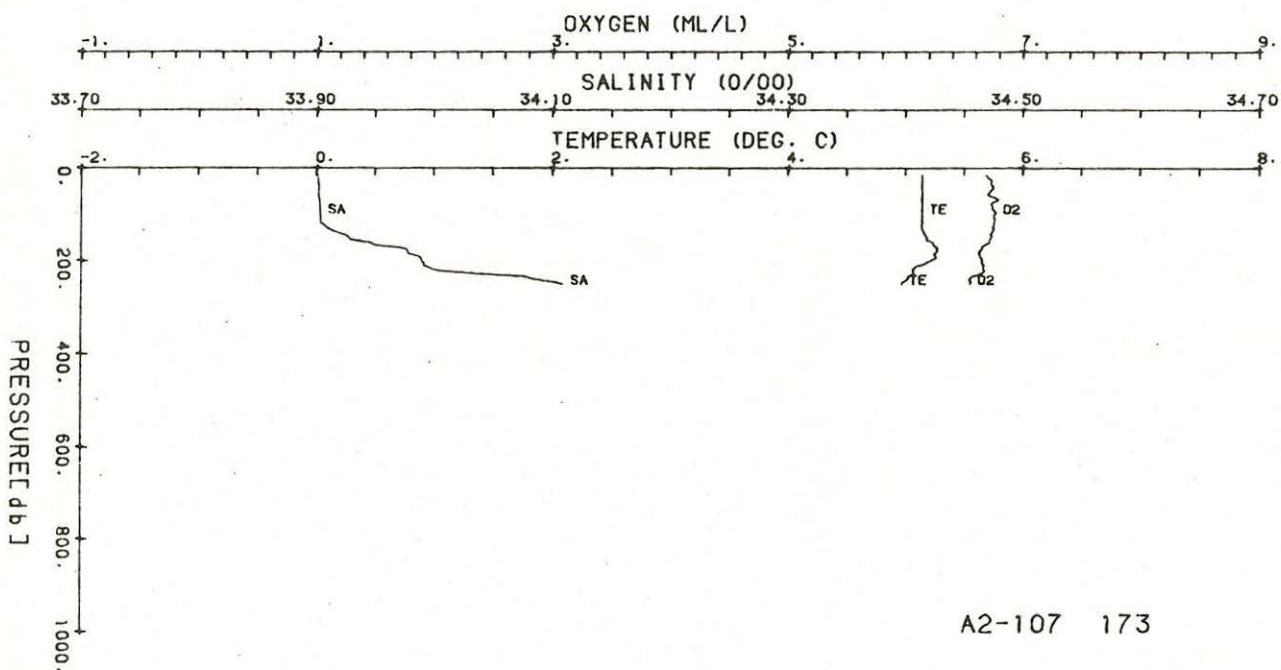
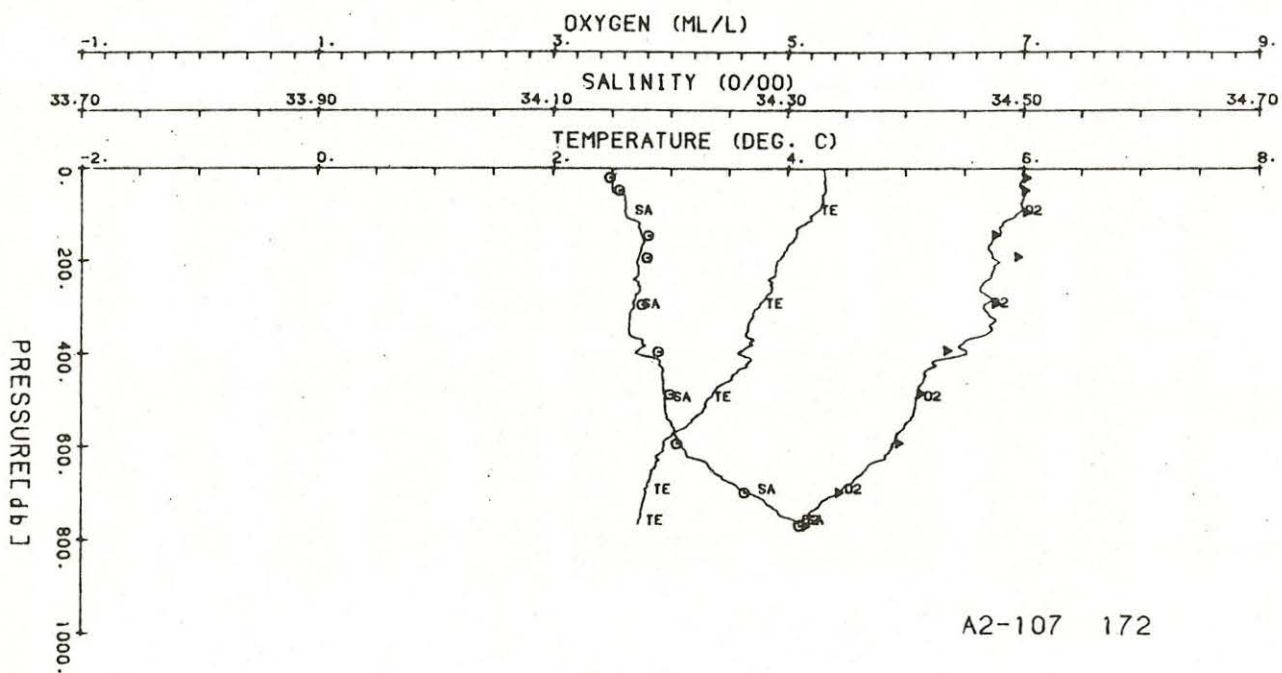
PR	T	S	θ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HCTH	N	DE
dbar	Deg C	o/oo	Deg C							cdh	m
3	3.114	33.969	3.114	27.074	31.721	36.254	40.678	44.999	0.003	-0.800	3
25	3.118	33.966	3.117	27.072	31.719	36.251	40.676	44.996	0.025	0.685	25
50	3.175	33.982	3.172	27.079	31.724	36.255	40.678	44.997	0.050	1.196	50
75	3.268	34.024	3.263	27.105	31.746	36.275	40.695	45.011	0.075	1.594	74
100	3.338	34.051	3.331	27.120	31.759	36.288	40.704	45.019	0.099	1.473	99
125	3.456	34.086	3.448	27.136	31.773	36.298	40.712	45.022	0.123	1.065	124
150	3.497	34.097	3.487	27.142	31.777	36.299	40.712	45.023	0.146	1.215	149
175	3.446	34.118	3.439	27.163	31.799	36.322	40.738	45.049	0.170	1.674	174
200	3.435	34.140	3.422	27.182	31.818	36.342	40.757	45.068	0.193	1.547	198
250	3.122	34.164	3.107	27.231	31.876	36.407	40.830	45.149	0.237	1.940	248
300	2.786	34.178	2.768	27.272	31.926	36.467	40.898	45.226	0.279	1.197	298
350	2.550	34.180	2.529	27.295	31.955	36.502	40.940	45.273	0.320	1.334	347
400	2.455	34.209	2.432	27.326	31.989	36.538	40.978	45.314	0.360	1.329	397
450	2.314	34.223	2.288	27.348	32.015	36.568	41.012	45.351	0.399	1.466	446
500	2.339	34.273	2.310	27.387	32.053	36.605	41.047	45.386	0.436	1.664	496
550	2.379	34.320	2.346	27.421	32.086	36.636	41.078	45.414	0.471	1.350	545
600	2.364	34.359	2.328	27.454	32.119	36.670	41.111	45.448	0.506	1.452	595
650	2.385	34.403	2.346	27.488	32.152	36.702	41.142	45.479	0.538	1.449	644
700	2.438	34.439	2.395	27.512	32.175	36.723	41.162	45.497	0.570	1.256	693
750	2.456	34.480	2.410	27.544	32.206	36.753	41.192	45.526	0.600	1.605	743
800	2.382	34.519	2.333	27.581	32.245	36.794	41.234	45.570	0.629	1.391	792
850	2.319	34.554	2.268	27.615	32.280	36.831	41.272	45.609	0.657	1.173	842
900	2.306	34.573	2.250	27.632	32.297	36.848	41.290	45.627	0.683	1.259	891
950	2.288	34.596	2.229	27.652	32.317	36.869	41.311	45.649	0.709	1.093	941
1000	2.245	34.609	2.183	27.665	32.332	36.885	41.328	45.667	0.733	0.817	990
1050	2.262	34.622	2.196	27.675	32.341	36.893	41.338	45.675	0.758	0.585	1039
1100	2.280	34.632	2.210	27.682	32.348	36.899	41.342	45.680	0.782	1.114	1089
1150	2.481	34.679	2.408	27.703	32.363	36.909	41.346	45.678	0.806	0.597	1138
1200	2.545	34.702	2.465	27.716	32.374	36.918	41.354	45.685	0.829	0.787	1187
1250	2.569	34.709	2.489	27.721	32.378	36.922	41.356	45.687	0.853	0.525	1237
1300	2.593	34.719	2.509	27.727	32.383	36.927	41.361	45.690	0.876	0.885	1286
1350	2.602	34.734	2.510	27.738	32.395	36.937	41.371	45.701	0.899	0.582	1335
1400	2.600	34.744	2.504	27.747	32.403	36.946	41.380	45.710	0.922	0.914	1384
1450	2.606	34.755	2.506	27.755	32.412	36.954	41.388	45.718	0.944	0.635	1434
1500	2.553	34.755	2.450	27.760	32.418	36.963	41.398	45.729	0.966	0.769	1483
1600	2.097	34.709	1.992	27.761	32.432	36.989	41.437	45.779	1.010	0.884	1581
1700	2.110	34.738	1.996	27.783	32.454	37.011	41.458	45.801	1.052	0.819	1680
1800	2.264	34.778	2.139	27.804	32.471	37.023	41.466	45.805	1.093	0.323	1778
1900	2.232	34.796	2.100	27.822	32.489	37.042	41.486	45.826	1.134	0.819	1877
2000	2.031	34.773	1.894	27.820	32.493	37.052	41.502	45.847	1.173	0.686	1975
2039	1.829	34.753	1.692	27.819	32.499	37.064	41.519	45.869	1.188	0.810	2013



A2-107 171

STA-171 LAT= 48 54.8 S LON= 55 31.2 W SONIC DEPTH 1175 m STA-171
 DATE 14/ 8/80 GMT 1936 CTD# 8

PR dbar	T Deg C	S o/oo	θ Deg C	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N coh	DE m
3	4.253	34.160	4.253	27.114	31.728	36.230	40.624	44.916	0.003	0.498	3
25	4.256	34.163	4.254	27.116	31.730	36.232	40.626	44.918	0.024	0.142	25
50	4.261	34.163	4.257	27.116	31.730	36.232	40.626	44.918	0.048	0.391	50
75	4.272	34.166	4.267	27.117	31.731	36.232	40.626	44.918	0.072	0.448	74
100	4.273	34.167	4.266	27.118	31.732	36.233	40.627	44.919	0.096	0.502	99
125	4.203	34.171	4.194	27.129	31.744	36.248	40.643	44.936	0.120	1.530	124
150	4.049	34.174	4.038	27.148	31.767	36.275	40.674	44.971	0.144	1.169	149
175	3.995	34.174	3.983	27.154	31.775	36.283	40.684	44.982	0.167	0.837	174
200	3.968	34.177	3.959	27.158	31.780	36.290	40.691	44.990	0.191	0.823	198
250	3.786	34.168	3.769	27.170	31.797	36.311	40.717	45.021	0.237	0.914	248
300	3.606	34.160	3.586	27.182	31.814	36.332	40.743	45.051	0.284	0.908	298
350	3.382	34.157	3.359	27.201	31.839	36.364	40.781	45.094	0.329	1.019	347
400	3.301	34.176	3.279	27.225	31.865	36.392	40.810	45.125	0.374	1.440	397
450	3.149	34.196	3.120	27.255	31.899	36.430	40.852	45.171	0.418	1.439	446
500	3.061	34.220	3.029	27.282	31.929	36.462	40.886	45.207	0.460	1.401	496
550	2.914	34.240	2.880	27.312	31.962	36.499	40.927	45.251	0.501	1.330	545
600	2.742	34.258	2.709	27.341	31.996	36.538	40.970	45.299	0.541	1.468	595
650	2.700	34.301	2.659	27.379	32.035	36.578	41.011	45.340	0.579	1.543	644
700	2.673	34.335	2.629	27.409	32.066	36.608	41.042	45.372	0.616	1.354	694
750	2.667	34.370	2.619	27.438	32.095	36.638	41.072	45.401	0.651	1.219	743
800	2.625	34.398	2.574	27.465	32.122	36.666	41.101	45.431	0.686	1.297	792
850	2.593	34.425	2.539	27.489	32.147	36.692	41.127	45.458	0.719	1.288	842
900	2.508	34.447	2.451	27.514	32.175	36.721	41.159	45.492	0.751	1.382	891
950	2.517	34.492	2.456	27.550	32.210	36.756	41.193	45.526	0.782	1.401	941
1000	2.449	34.510	2.389	27.570	32.232	36.780	41.218	45.553	0.812	1.147	990
1050	2.412	34.536	2.349	27.594	32.257	36.806	41.245	45.580	0.841	1.212	1039
1100	2.377	34.562	2.307	27.618	32.281	36.831	41.271	45.607	0.869	1.280	1089
1139	2.317	34.586	2.245	27.642	32.307	36.859	41.300	45.638	0.890	1.672	1127

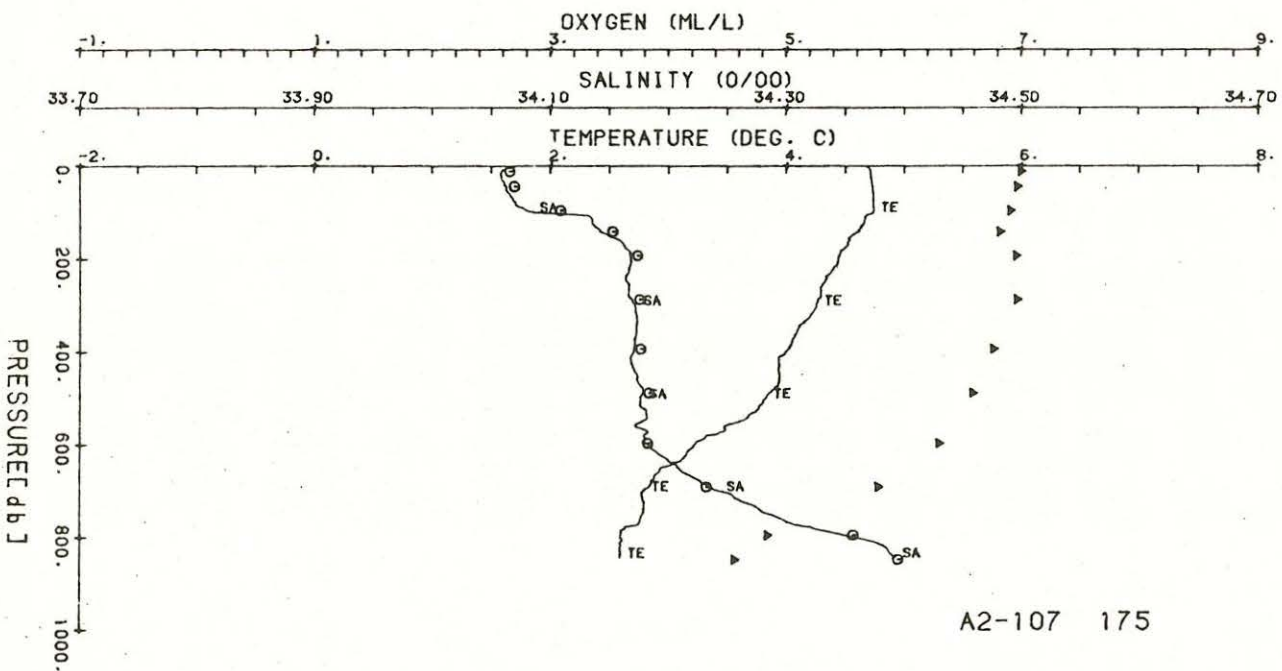
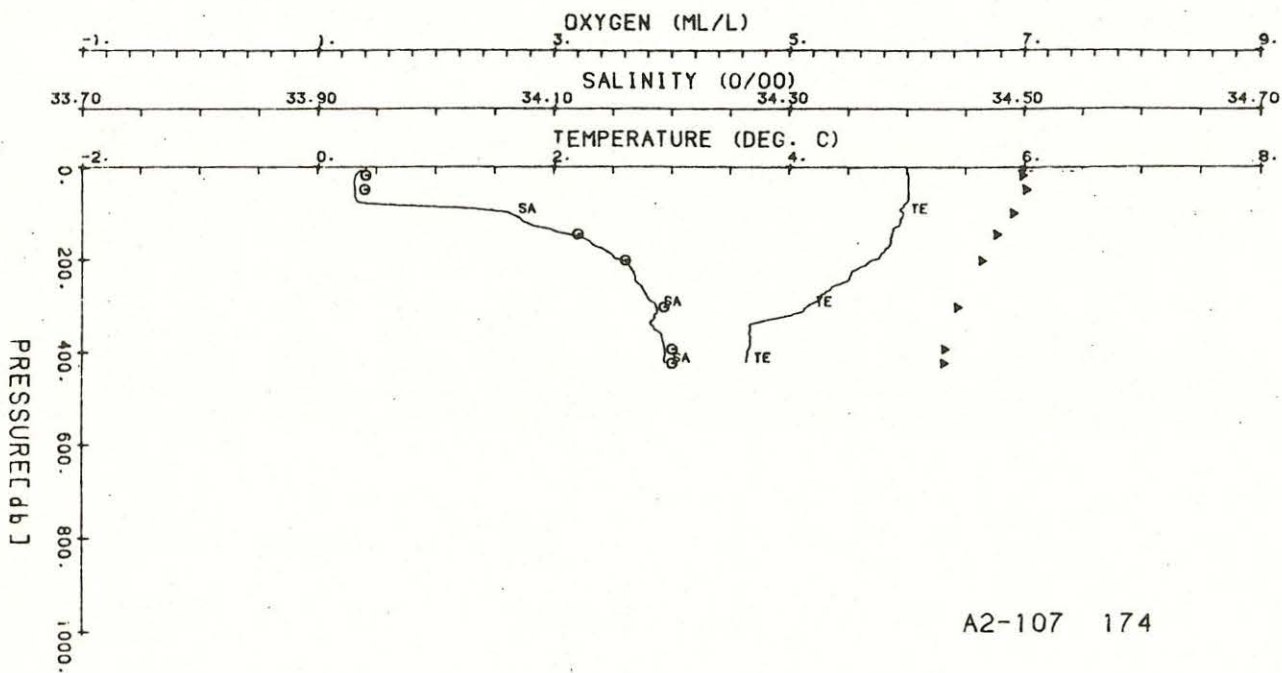


STA-172 LAT= 49 21.0 S LON= 56 3.0 W SONIC DEPTH 762 m STA-172
 DATE 14/ 8/90 GMT 2241 CTD# 8

PR dbar	T Deg C	S o/oo	θ Deg C	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N cob	DE m
3	4.309	34.153	4.309	27.102	31.715	36.215	40.608	44.899	0.003	0.759	3
25	4.316	34.151	4.314	27.100	31.713	36.213	40.606	44.896	0.024	-0.495	25
50	4.318	34.152	4.319	27.101	31.713	36.214	40.607	44.897	0.049	1.298	50
75	4.297	34.162	4.291	27.111	31.724	36.225	40.618	44.909	0.073	0.660	74
100	4.216	34.162	4.209	27.120	31.736	36.238	40.634	44.927	0.097	1.342	99
125	4.111	34.173	4.102	27.140	31.758	36.264	40.662	44.957	0.121	1.482	124
150	4.065	34.177	4.055	27.148	31.767	36.274	40.673	44.969	0.145	1.040	149
175	3.988	34.175	3.978	27.155	31.776	36.285	40.686	44.984	0.168	0.713	174
200	3.919	34.172	3.909	27.159	31.783	36.293	40.696	44.996	0.191	0.782	198
250	3.864	34.174	3.847	27.167	31.792	36.304	40.708	45.009	0.238	0.634	248
300	3.740	34.168	3.720	27.175	31.804	36.319	40.726	45.031	0.285	0.828	298
350	3.654	34.165	3.631	27.182	31.812	36.330	40.740	45.046	0.331	0.737	347
400	3.615	34.177	3.588	27.195	31.827	36.346	40.756	45.064	0.377	1.028	397
450	3.523	34.194	3.493	27.218	31.852	36.373	40.786	45.096	0.422	1.350	446
500	3.306	34.196	3.273	27.240	31.880	36.407	40.826	45.141	0.467	0.943	496
550	3.152	34.202	3.116	27.260	31.904	36.435	40.857	45.176	0.510	1.492	545
600	2.937	34.211	2.899	27.287	31.937	36.474	40.901	45.225	0.552	1.182	595
650	2.842	34.237	2.800	27.316	31.969	36.508	40.938	45.264	0.594	1.318	644
700	2.787	34.269	2.742	27.347	32.001	36.542	40.973	45.300	0.634	1.456	693
750	2.740	34.299	2.693	27.375	32.030	36.572	41.004	45.333	0.672	1.341	743
765	2.724	34.310	2.679	27.385	32.041	36.583	41.016	45.344	0.683	1.248	758

STA-173 LAT= 50 28.4 S LON= 57 31.6 W SONIC DEPTH 268 m STA-173
 DATE 15/ 8/90 GMT 1409 CTD# 8

PR dbar	T Deg C	S o/oo	θ Deg C	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N cob	DE m
15	5.136	33.901	5.139	26.811	31.404	35.886	40.261	44.534	0.019	-0.559	15
25	5.139	33.901	5.137	26.811	31.404	35.886	40.261	44.534	0.031	0.308	25
50	5.140	33.901	5.138	26.811	31.404	35.886	40.261	44.534	0.062	-0.233	50
75	5.140	33.902	5.134	26.812	31.405	35.887	40.262	44.535	0.094	0.390	74
100	5.140	33.903	5.133	26.813	31.406	35.888	40.263	44.536	0.125	0.251	99
125	5.137	33.907	5.127	26.817	31.410	35.892	40.267	44.540	0.157	1.092	124
150	5.178	33.927	5.167	26.828	31.420	35.901	40.275	44.547	0.188	1.305	149
175	5.271	33.976	5.257	26.857	31.446	35.924	40.295	44.565	0.219	1.852	174
200	5.211	33.990	5.199	26.875	31.466	35.944	40.318	44.589	0.249	2.069	198
250	4.971	34.108	4.952	26.996	31.592	36.077	40.454	44.730	0.307	3.106	248

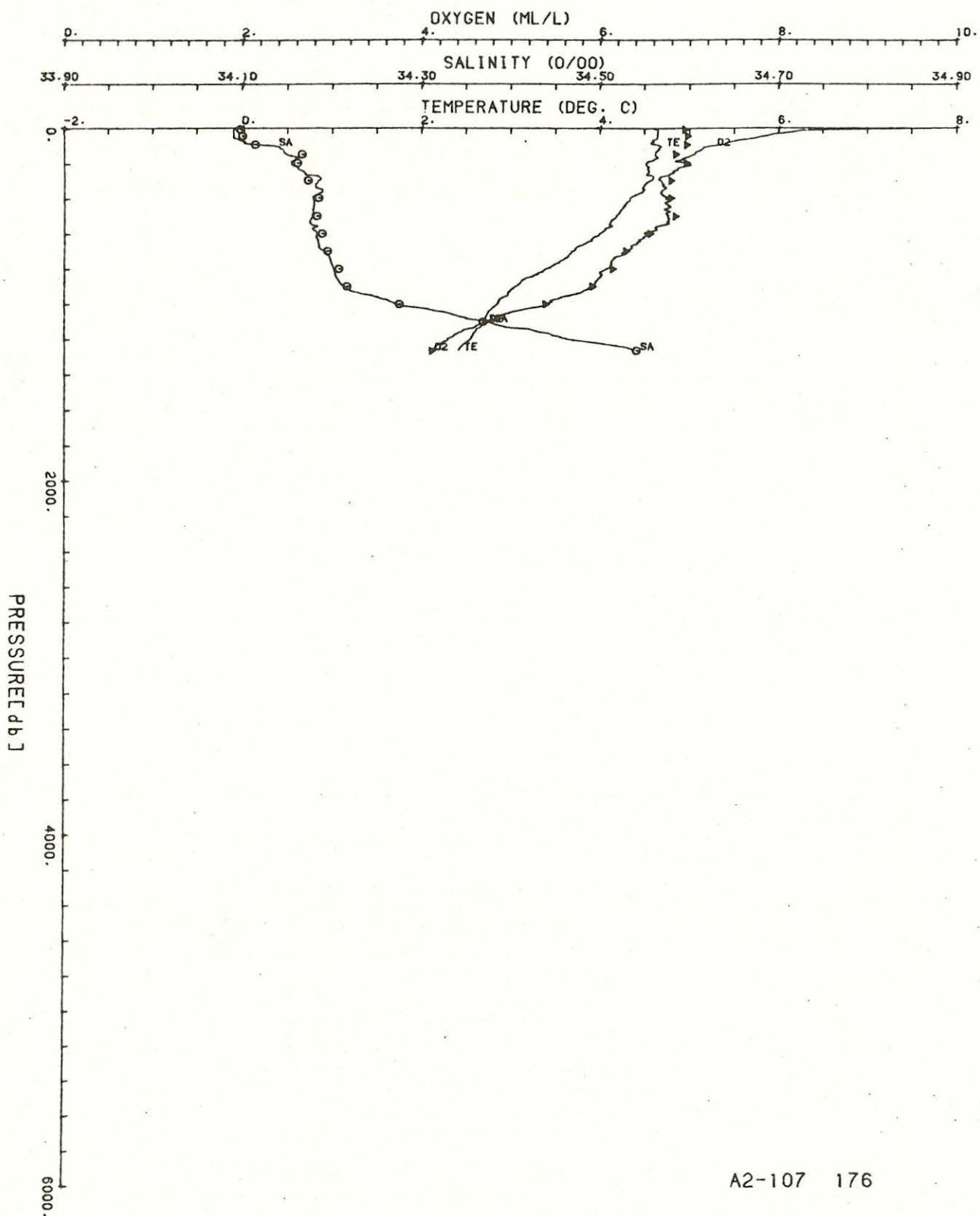


STA-174 LAT= 50 39.9 S LON= 56 39.9 W SONIC DEPTH 440 m STA-174
 DATE 15/ 8/80 GMT 2114 CTD# 8

PR	T	S	θ	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cdh	m
5	4.993	33.941	4.993	26.859	31.456	35.940	40.319	44.595	0.006	-1.545	5
25	5.009	33.931	5.007	26.950	31.446	35.930	40.308	44.584	0.030	-0.498	25
50	5.010	33.931	5.008	26.850	31.446	35.931	40.309	44.584	0.061	0.148	50
75	4.997	33.939	4.991	26.858	31.454	35.939	40.317	44.593	0.091	2.892	74
100	4.963	34.063	4.958	26.960	31.557	36.042	40.420	44.696	0.120	2.129	99
125	4.924	34.083	4.919	26.980	31.578	36.053	40.442	44.719	0.148	2.040	124
150	4.866	34.121	4.859	27.017	31.616	36.103	40.489	44.761	0.175	1.926	149
175	4.825	34.140	4.812	27.037	31.637	36.125	40.506	44.785	0.201	1.771	174
200	4.712	34.157	4.697	27.063	31.666	36.156	40.540	44.821	0.227	1.981	198
250	4.440	34.172	4.422	27.105	31.715	36.212	40.602	44.890	0.278	1.651	248
300	4.153	34.187	4.132	27.148	31.765	36.270	40.667	44.961	0.326	1.681	297
350	3.665	34.187	3.641	27.198	31.828	36.345	40.754	45.061	0.373	1.302	347
400	3.644	34.195	3.617	27.206	31.837	36.355	40.765	45.072	0.418	0.705	396
421	3.632	34.194	3.604	27.207	31.838	36.357	40.767	45.074	0.437	0.461	417

STA-175 LAT= 50 51.0 S LON= 55 48.0 W SONIC DEPTH 868 m STA-175
 DATE 16/ 8/80 GMT 135 CTD# 8

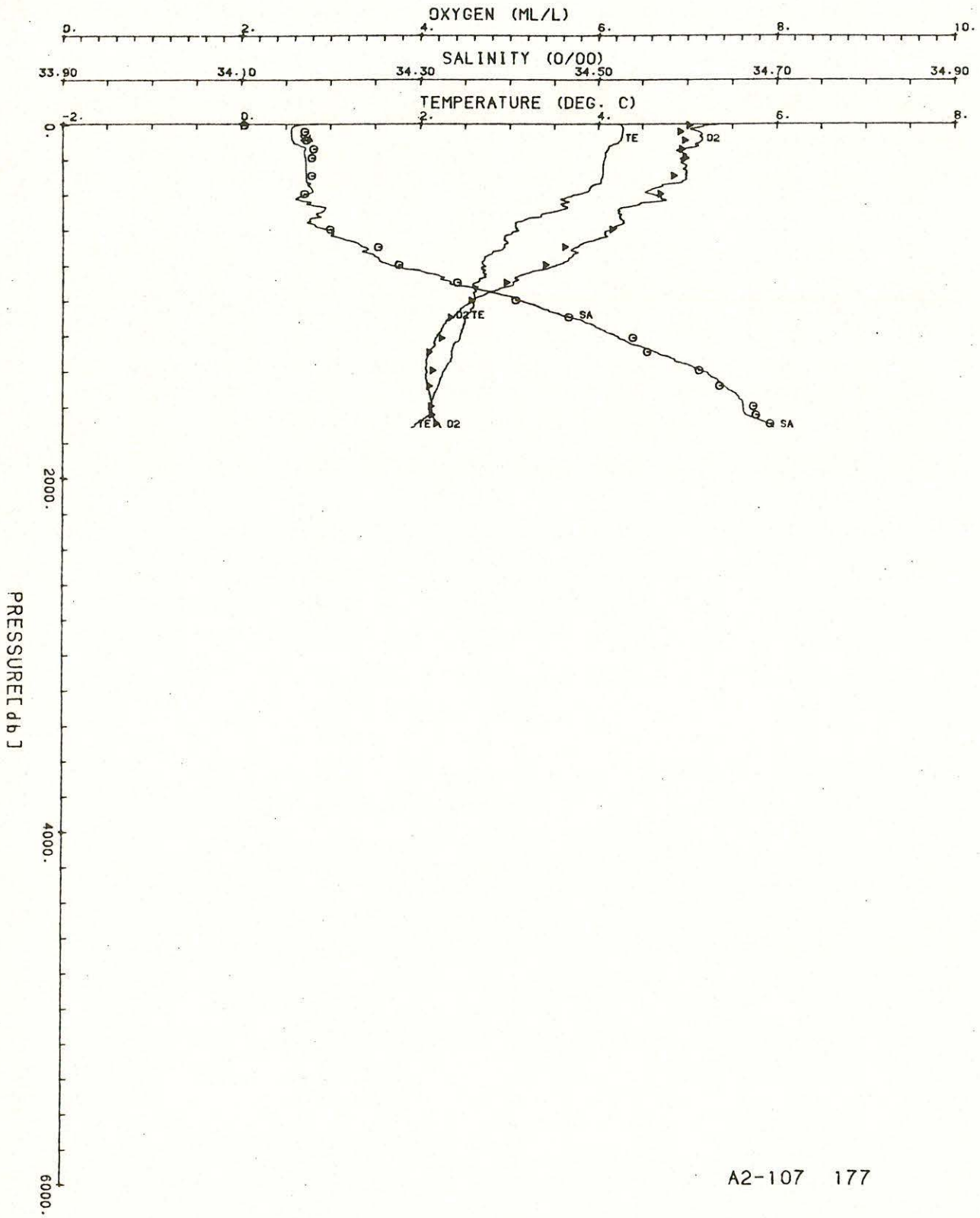
PR	T	S	θ	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cdh	m
3	4.683	34.070	4.683	26.996	31.599	36.091	40.476	44.758	0.003	-1.789	3
25	4.714	34.059	4.712	26.984	31.587	36.078	40.462	44.743	0.027	0.362	25
50	4.730	34.063	4.726	26.986	31.588	36.079	40.462	44.744	0.094	0.519	50
75	4.735	34.069	4.730	26.990	31.593	36.083	40.466	44.748	0.081	0.817	74
100	4.726	34.095	4.719	27.012	31.614	36.104	40.488	44.769	0.108	2.971	99
125	4.651	34.136	4.642	27.053	31.657	36.149	40.534	44.817	0.134	1.166	124
150	4.557	34.150	4.548	27.074	31.681	36.175	40.563	44.847	0.160	1.894	149
175	4.502	34.164	4.489	27.092	31.700	36.195	40.584	44.870	0.185	1.384	174
200	4.441	34.168	4.426	27.102	31.712	36.209	40.599	44.886	0.210	0.747	198
250	4.323	34.165	4.305	27.113	31.725	36.226	40.619	44.909	0.259	0.906	248
300	4.257	34.172	4.239	27.125	31.740	36.242	40.636	44.928	0.308	1.042	297
350	4.104	34.173	4.079	27.143	31.762	36.268	40.666	44.962	0.357	0.962	347
400	4.000	34.171	3.972	27.152	31.773	36.282	40.684	44.982	0.405	0.905	397
450	3.944	34.174	3.912	27.161	31.784	36.294	40.697	44.996	0.453	0.692	446
500	3.823	34.177	3.788	27.175	31.802	36.319	40.721	45.024	0.501	1.061	496
550	3.594	34.178	3.556	27.199	31.832	36.351	40.763	45.071	0.547	1.533	545
600	3.219	34.183	3.179	27.239	31.882	36.411	40.832	45.150	0.593	1.581	595
650	2.948	34.209	2.906	27.285	31.935	36.471	40.899	45.223	0.636	1.866	644
700	2.785	34.246	2.740	27.328	31.983	36.523	40.955	45.283	0.677	1.678	693
750	2.777	34.288	2.729	27.363	32.017	36.558	40.990	45.317	0.716	1.636	743
800	2.595	34.359	2.545	27.436	32.095	36.640	41.076	45.407	0.753	2.076	792
843	2.586	34.393	2.533	27.464	32.123	36.668	41.104	45.435	0.783	0.967	835



A2-107 176

STA-176 LAT= 51 1.8 S LON= 55 0.6 W SONIC DEPTH 1294 m STA-176
 DATE 16/ 8/80 GMT 532 CTD# 8

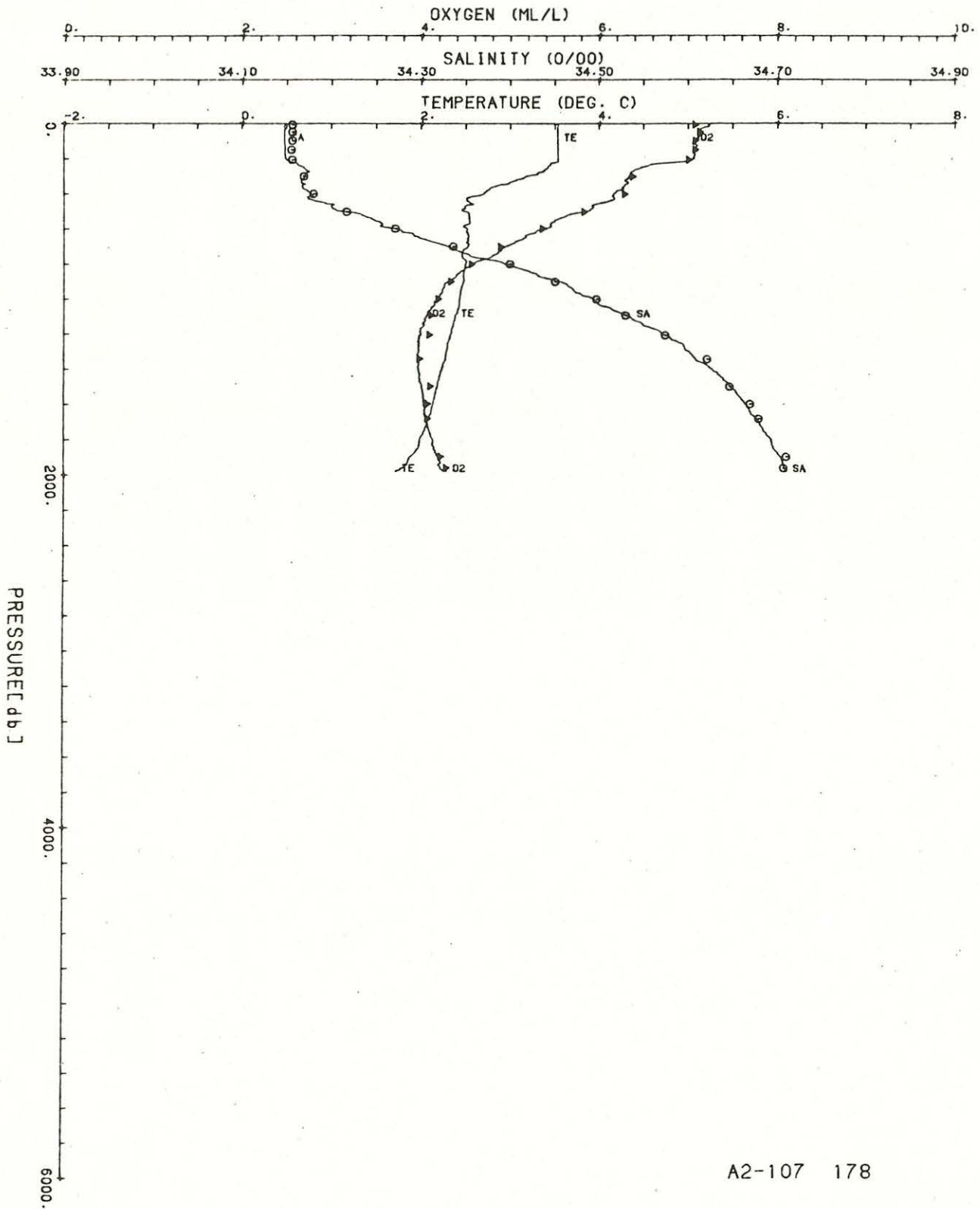
PR dbar	T Deg C	S o/oo	θ Deg C	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N cph	DE m
3	4.597	34.095	4.598	27.025	31.631	36.125	40.511	44.795	0.003	-1.674	3
25	4.645	34.090	4.644	27.017	31.621	36.113	40.499	44.782	0.026	0.105	25
50	4.641	34.090	4.638	27.017	31.622	36.114	40.500	44.783	0.053	0.646	50
75	4.595	34.101	4.590	27.031	31.636	36.130	40.517	44.801	0.079	1.224	74
100	4.676	34.133	4.669	27.048	31.651	36.142	40.527	44.809	0.105	1.753	99
125	4.650	34.145	4.640	27.060	31.664	36.156	40.541	44.824	0.131	1.088	124
150	4.621	34.150	4.610	27.067	31.672	36.165	40.551	44.834	0.156	1.096	149
175	4.614	34.159	4.601	27.076	31.681	36.174	40.559	44.843	0.182	0.907	174
200	4.522	34.155	4.507	27.082	31.690	36.185	40.573	44.859	0.207	0.668	198
250	4.548	34.169	4.529	27.091	31.698	36.193	40.580	44.865	0.257	0.949	248
300	4.550	34.184	4.527	27.103	31.710	36.205	40.592	44.877	0.308	0.770	297
350	4.495	34.189	4.469	27.114	31.722	36.218	40.607	44.893	0.358	0.870	347
400	4.342	34.179	4.313	27.123	31.735	36.235	40.628	44.918	0.407	0.835	397
450	4.264	34.179	4.231	27.131	31.746	36.248	40.649	44.935	0.457	0.743	446
500	4.189	34.178	4.152	27.139	31.755	36.259	40.656	44.950	0.506	0.748	496
550	4.128	34.181	4.086	27.148	31.766	36.272	40.670	44.966	0.555	0.886	545
600	3.998	34.183	3.954	27.163	31.785	36.294	40.696	44.994	0.604	1.113	595
650	3.843	34.184	3.797	27.180	31.806	36.320	40.725	45.028	0.652	1.264	644
700	3.685	34.192	3.638	27.203	31.833	36.350	40.760	45.066	0.699	1.155	693
750	3.564	34.199	3.512	27.220	31.853	36.374	40.787	45.096	0.746	1.194	743
800	3.381	34.202	3.328	27.240	31.879	36.404	40.822	45.135	0.791	1.233	792
850	3.167	34.205	3.110	27.263	31.908	36.439	40.861	45.180	0.836	1.344	842
900	3.042	34.215	2.981	27.283	31.931	36.465	40.891	45.213	0.880	1.282	891
950	2.949	34.246	2.888	27.316	31.966	36.509	40.931	45.255	0.922	1.722	941
1000	2.840	34.275	2.774	27.349	32.002	36.542	40.972	45.299	0.963	1.751	990
1050	2.740	34.333	2.671	27.404	32.060	36.602	41.034	45.363	1.001	1.602	1039
1100	2.689	34.376	2.616	27.444	32.100	36.643	41.077	45.407	1.038	1.576	1089
1150	2.609	34.429	2.533	27.493	32.151	36.696	41.131	45.463	1.073	1.822	1138
1200	2.543	34.469	2.464	27.530	32.190	36.737	41.174	45.506	1.106	1.907	1187
1250	2.428	34.534	2.348	27.592	32.255	36.804	41.243	45.578	1.136	1.880	1237
1259	2.419	34.539	2.338	27.597	32.260	36.809	41.249	45.585	1.141	1.430	1245



A2-107 177

STA-177 LAT= 51 15.9 S LON= 54 0.1 W SONIC DEPTH 1695 m STA-177
 DATE 16/ 8/90 GMT 1034 CTD# 8

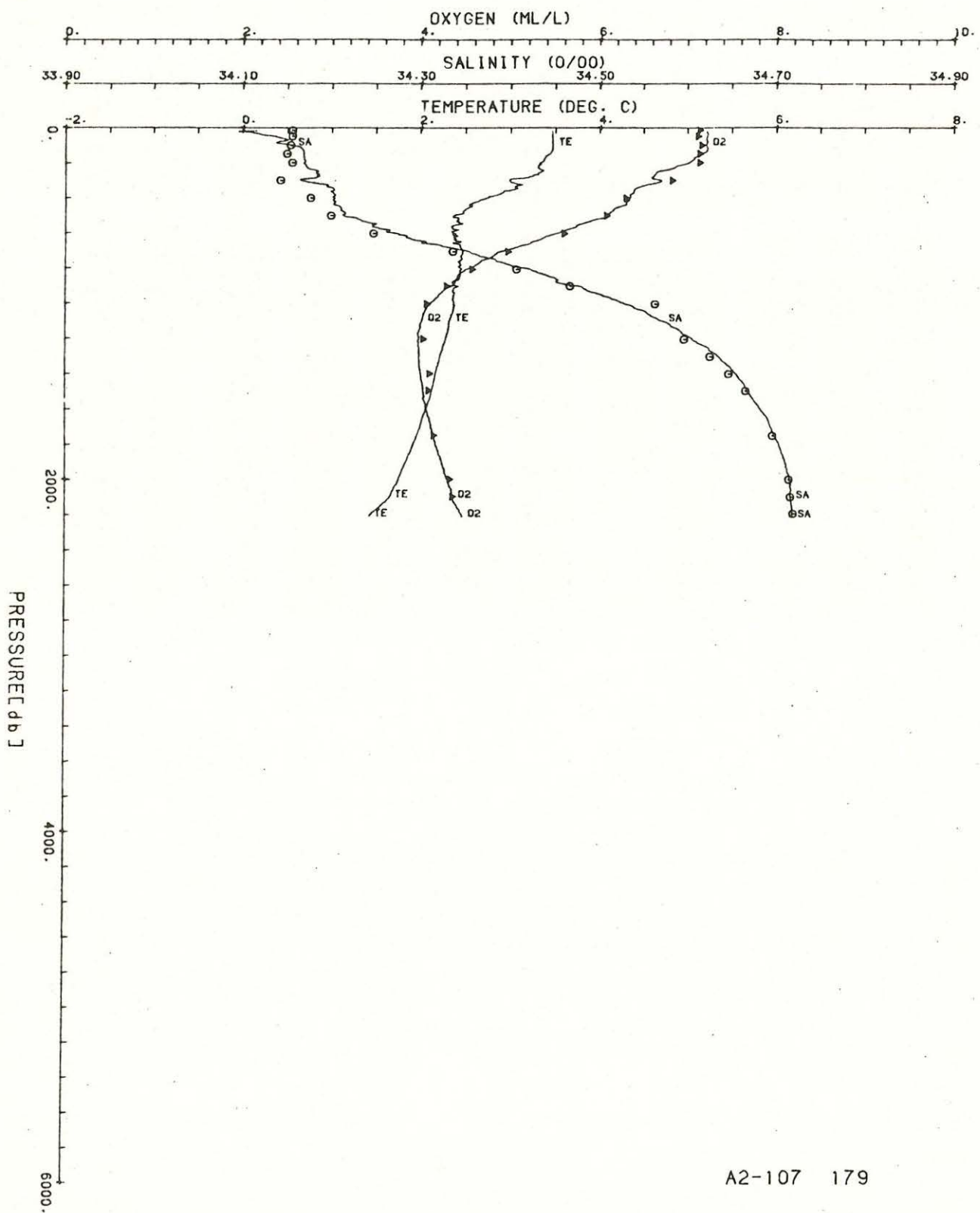
PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cph	m
3	4.254	34.172	4.254	27.123	31.737	36.239	40.633	44.925	0.003	-1.840	3
25	4.280	34.156	4.279	27.108	31.722	36.223	40.617	44.908	0.024	-0.587	25
50	4.276	34.156	4.272	27.109	31.722	36.224	40.617	44.909	0.048	0.428	50
75	4.268	34.156	4.263	27.110	31.724	36.225	40.620	44.911	0.072	0.504	74
100	4.239	34.158	4.232	27.115	31.729	36.232	40.627	44.919	0.097	0.981	99
125	4.140	34.167	4.131	27.133	31.750	36.255	40.652	44.946	0.121	1.582	124
150	4.102	34.171	4.092	27.140	31.758	36.264	40.662	44.957	0.145	0.524	149
175	4.081	34.171	4.068	27.142	31.761	36.267	40.668	44.962	0.168	0.390	174
200	4.072	34.172	4.058	27.144	31.763	36.270	40.669	44.965	0.192	0.531	198
250	4.053	34.172	4.038	27.147	31.766	36.274	40.673	44.970	0.239	0.254	248
300	4.047	34.173	4.028	27.148	31.768	36.275	40.675	44.972	0.287	0.494	297
350	3.932	34.176	3.908	27.162	31.786	36.296	40.699	44.999	0.335	1.217	347
400	3.748	34.170	3.720	27.177	31.805	36.321	40.728	45.032	0.382	1.132	397
450	3.602	34.175	3.572	27.196	31.828	36.347	40.758	45.066	0.428	1.188	446
500	3.452	34.189	3.418	27.221	31.857	36.380	40.795	45.107	0.474	1.399	496
550	3.117	34.177	3.082	27.243	31.888	36.420	40.844	45.164	0.518	1.295	545
600	3.089	34.202	3.050	27.266	31.912	36.445	40.869	45.189	0.561	1.272	594
650	2.943	34.217	2.901	27.291	31.941	36.478	40.908	45.229	0.604	1.271	644
700	2.929	34.242	2.884	27.313	31.963	36.500	40.928	45.252	0.645	1.179	693
750	2.724	34.253	2.677	27.340	31.996	36.538	40.971	45.301	0.685	1.177	743
800	2.717	34.274	2.666	27.357	32.013	36.558	40.989	45.318	0.725	1.412	792
850	2.724	34.320	2.669	27.394	32.049	36.591	41.024	45.353	0.763	1.277	842
900	2.601	34.334	2.543	27.416	32.075	36.620	41.057	45.388	0.800	1.442	891
950	2.606	34.382	2.545	27.454	32.113	36.658	41.093	45.425	0.835	1.498	940
1000	2.602	34.414	2.538	27.481	32.139	36.684	41.119	45.451	0.869	1.233	990
1050	2.566	34.442	2.498	27.506	32.165	36.711	41.147	45.480	0.903	1.345	1039
1100	2.503	34.474	2.432	27.537	32.198	36.745	41.183	45.516	0.935	1.367	1088
1150	2.480	34.498	2.405	27.559	32.220	36.768	41.206	45.540	0.965	1.118	1138
1200	2.448	34.521	2.368	27.580	32.242	36.791	41.230	45.565	0.995	1.128	1187
1250	2.374	34.541	2.293	27.602	32.267	36.817	41.258	45.594	1.024	1.402	1236
1300	2.351	34.568	2.268	27.626	32.291	36.842	41.283	45.620	1.052	1.141	1286
1350	2.327	34.592	2.238	27.648	32.313	36.864	41.308	45.644	1.079	1.342	1335
1400	2.264	34.619	2.172	27.674	32.341	36.894	41.338	45.677	1.105	1.208	1384
1450	2.223	34.635	2.127	27.691	32.359	36.913	41.357	45.697	1.130	0.986	1434
1500	2.189	34.646	2.090	27.703	32.372	36.927	41.372	45.713	1.154	1.021	1483
1600	2.128	34.663	2.022	27.722	32.393	36.949	41.398	45.739	1.201	0.528	1581
1700	1.948	34.695	1.836	27.762	32.438	36.999	41.451	45.798	1.247	1.528	1680
1715	1.911	34.698	1.798	27.767	32.444	37.007	41.460	45.807	1.253	1.574	1694



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STA-17# LAT= 51 28.5 S LON= 53 2.6 W SONIC DEPTH 1991 m STA-17#
 DATE 16/ 8/80 GMT 1521 CTD# 8

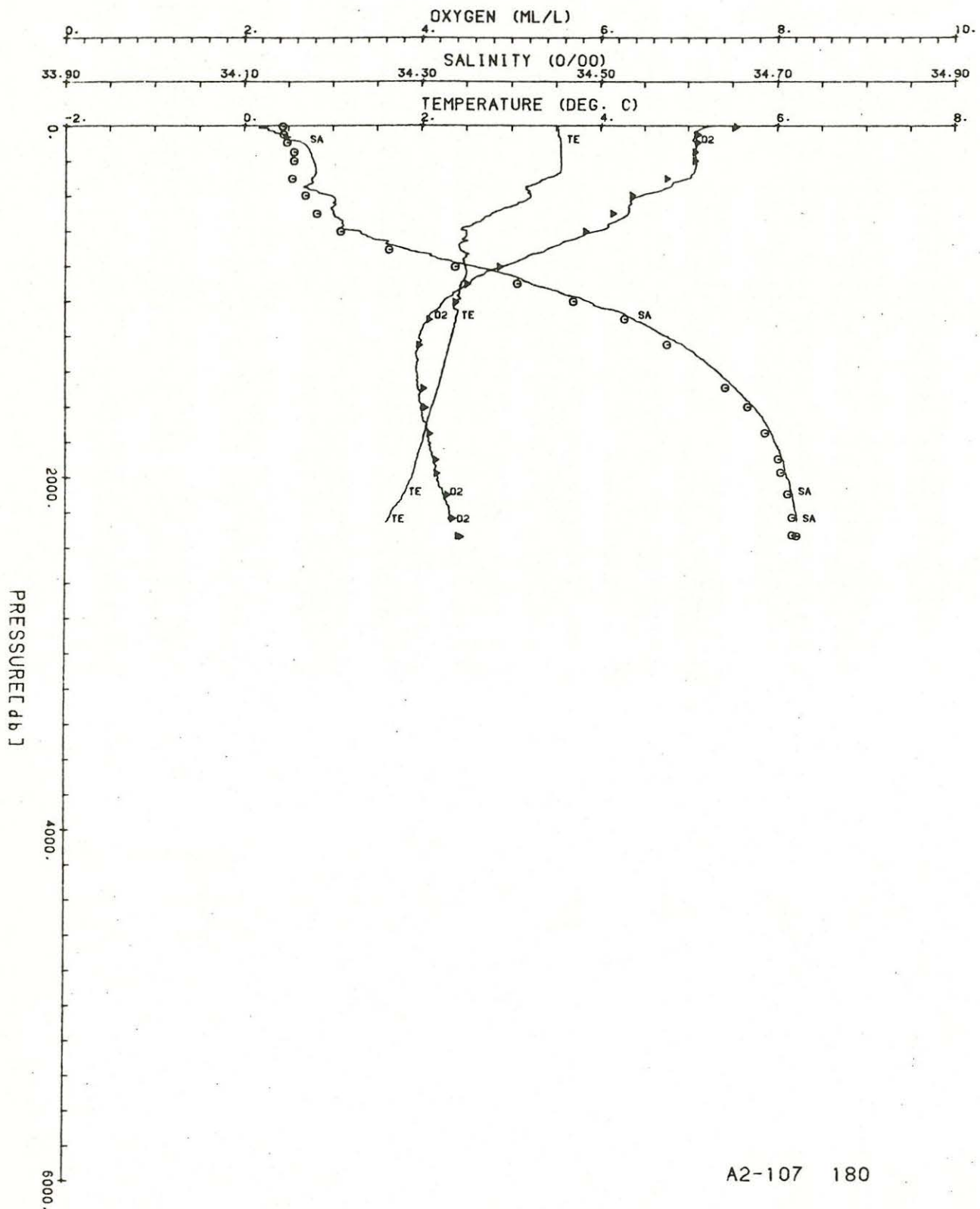
PR	T	S	σ	σ _θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	m	cdh	m
3	3.528	34.148	3.528	27.178	31.812	36.333	40.745	45.054	0.003	-0.579	3	
25	3.530	34.147	3.528	27.177	31.811	36.331	40.744	45.053	0.022	0.162	25	
50	3.532	34.147	3.529	27.177	31.811	36.331	40.744	45.053	0.045	0.088	50	
75	3.532	34.147	3.527	27.177	31.811	36.331	40.744	45.053	0.068	-0.078	74	
100	3.533	34.147	3.526	27.177	31.811	36.332	40.744	45.053	0.090	0.218	99	
125	3.534	34.147	3.528	27.178	31.811	36.332	40.745	45.054	0.113	0.254	124	
150	3.535	34.148	3.528	27.178	31.812	36.332	40.745	45.054	0.136	-0.101	149	
175	3.536	34.148	3.529	27.178	31.812	36.332	40.745	45.054	0.159	0.177	174	
200	3.538	34.149	3.529	27.179	31.813	36.333	40.746	45.055	0.181	1.167	198	
250	3.417	34.169	3.401	27.207	31.844	36.368	40.783	45.095	0.226	1.204	248	
300	3.176	34.169	3.157	27.230	31.873	36.403	40.825	45.143	0.271	1.284	297	
350	2.861	34.167	2.840	27.257	31.909	36.448	40.878	45.204	0.314	1.481	347	
400	2.688	34.178	2.664	27.281	31.938	36.481	40.915	45.245	0.355	1.275	396	
450	2.552	34.194	2.525	27.306	31.987	36.513	40.951	45.285	0.396	1.224	446	
500	2.503	34.221	2.473	27.331	31.993	36.541	40.980	45.314	0.436	1.348	495	
550	2.538	34.251	2.505	27.353	32.013	36.560	40.998	45.331	0.474	1.034	545	
600	2.515	34.276	2.479	27.375	32.036	36.583	41.022	45.356	0.512	1.282	594	
650	2.523	34.300	2.483	27.394	32.055	36.602	41.040	45.373	0.549	1.189	644	
700	2.519	34.332	2.478	27.420	32.081	36.628	41.066	45.399	0.585	1.343	693	
750	2.460	34.356	2.414	27.444	32.106	36.655	41.094	45.429	0.620	1.241	743	
800	2.496	34.397	2.448	27.474	32.138	36.683	41.121	45.455	0.654	1.267	792	
850	2.475	34.427	2.422	27.501	32.162	36.710	41.149	45.483	0.687	1.123	842	
900	2.473	34.458	2.418	27.526	32.188	36.735	41.174	45.508	0.718	1.268	891	
950	2.444	34.473	2.384	27.540	32.202	36.751	41.190	45.524	0.749	0.934	940	
1000	2.431	34.495	2.367	27.560	32.222	36.771	41.210	45.545	0.779	0.942	990	
1050	2.419	34.514	2.352	27.576	32.239	36.788	41.227	45.563	0.809	1.221	1039	
1100	2.379	34.537	2.309	27.597	32.261	36.811	41.252	45.588	0.837	1.082	1088	
1150	2.357	34.553	2.283	27.613	32.277	36.828	41.269	45.605	0.865	1.156	1138	
1200	2.333	34.575	2.258	27.633	32.298	36.849	41.290	45.627	0.892	1.012	1187	
1250	2.301	34.594	2.221	27.651	32.316	36.868	41.311	45.649	0.919	0.996	1236	
1300	2.284	34.603	2.200	27.659	32.326	36.878	41.321	45.659	0.945	0.861	1286	
1350	2.268	34.612	2.180	27.668	32.335	36.888	41.331	45.670	0.971	1.065	1335	
1400	2.233	34.629	2.141	27.685	32.352	36.908	41.350	45.690	0.996	0.954	1384	
1450	2.202	34.641	2.107	27.697	32.366	36.920	41.365	45.706	1.020	0.880	1433	
1500	2.180	34.649	2.081	27.706	32.375	36.930	41.376	45.717	1.044	0.798	1483	
1600	2.130	34.667	2.024	27.724	32.395	36.952	41.399	45.741	1.091	0.743	1581	
1700	2.065	34.681	1.952	27.742	32.414	36.973	41.422	45.765	1.137	0.812	1679	
1800	1.985	34.695	1.865	27.759	32.434	36.995	41.446	45.792	1.182	0.746	1778	
1900	1.875	34.706	1.748	27.777	32.455	37.019	41.473	45.822	1.225	0.970	1876	
1981	1.720	34.712	1.590	27.794	32.477	37.045	41.503	45.856	1.258	1.177	1956	



A2-107 179

STA-179 LAT= 51 42.7 S LON= 51 56.9 W SONIC DEPTH 2130 m STA-179
 DATE 15/ 8/80 GMT 2043 CTD# 3

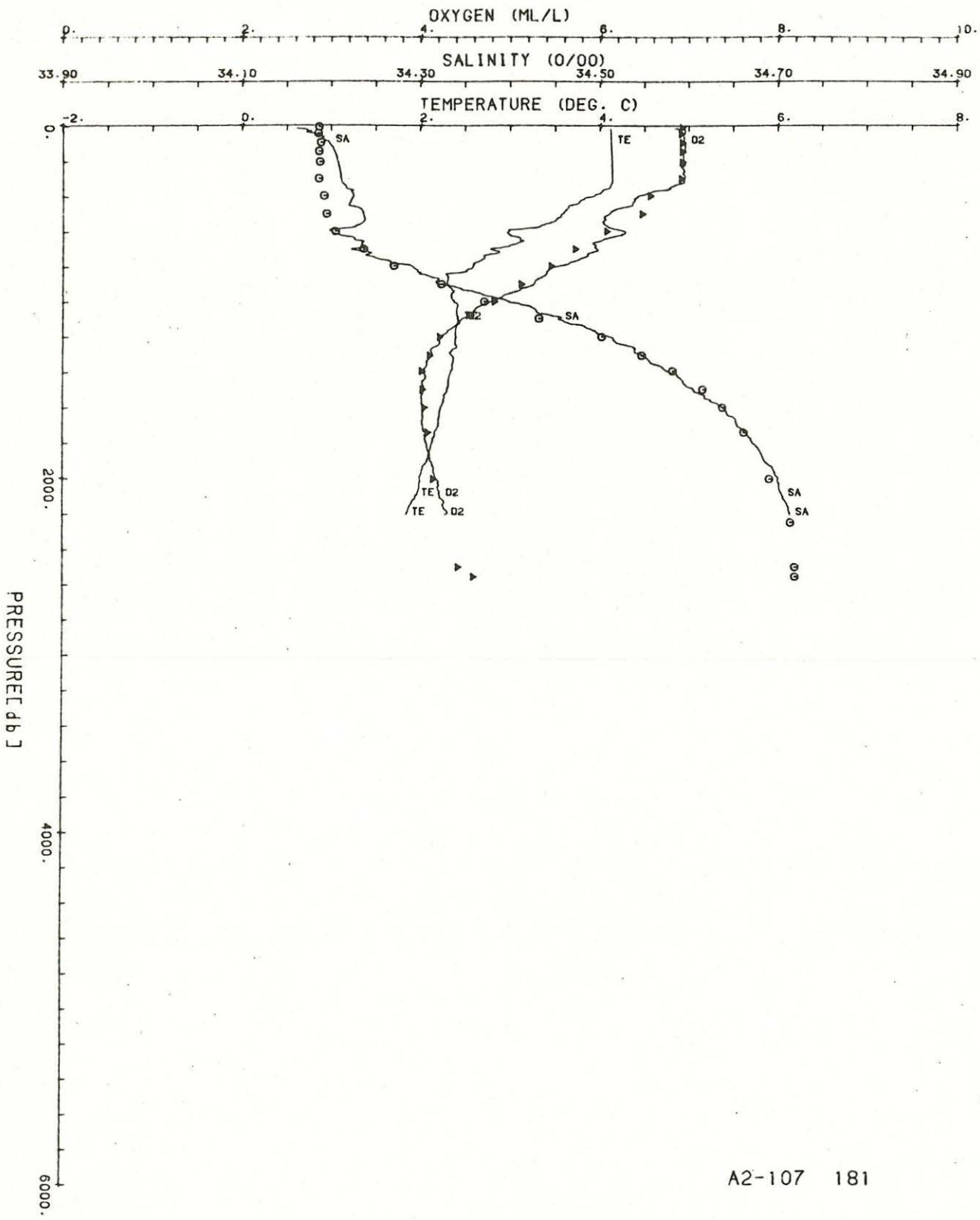
PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	MGTH	N	DE
dbar	Deg C	o/oo	Deg C							σ _θ	m
17	3.461	34.118	3.460	27.161	31.796	36.319	40.733	45.044	0.016	-3.956	17
25	3.462	34.105	3.461	27.151	31.786	36.309	40.724	45.035	0.023	1.893	25
50	3.464	34.137	3.461	27.175	31.811	36.333	40.748	45.058	0.046	1.672	50
75	3.466	34.145	3.461	27.182	31.818	36.340	40.754	45.065	0.068	-1.179	74
100	3.467	34.156	3.460	27.191	31.826	36.349	40.763	45.073	0.091	1.664	99
125	3.464	34.167	3.458	27.200	31.836	36.358	40.772	45.083	0.113	0.698	124
150	3.430	34.168	3.420	27.204	31.841	36.364	40.779	45.090	0.135	0.869	149
175	3.375	34.168	3.363	27.210	31.848	36.373	40.789	45.102	0.157	0.725	174
200	3.333	34.168	3.320	27.214	31.853	36.379	40.797	45.111	0.179	0.839	198
250	3.340	34.183	3.324	27.226	31.864	36.390	40.807	45.121	0.223	1.048	248
300	2.991	34.168	2.973	27.246	31.894	36.429	40.856	45.178	0.266	1.189	297
350	3.040	34.203	3.018	27.269	31.916	36.450	40.875	45.196	0.309	1.354	347
400	2.735	34.203	2.711	27.297	31.952	36.494	40.927	45.256	0.350	1.344	396
450	2.550	34.210	2.524	27.318	31.979	36.526	40.963	45.296	0.390	1.131	446
500	2.372	34.214	2.343	27.337	32.002	36.554	40.998	45.334	0.429	1.245	495
550	2.405	34.248	2.373	27.361	32.026	36.576	41.018	45.354	0.467	1.267	545
600	2.368	34.273	2.333	27.385	32.050	36.602	41.044	45.381	0.504	1.217	594
650	2.399	34.304	2.360	27.408	32.072	36.622	41.063	45.400	0.541	1.352	644
700	2.469	34.353	2.426	27.441	32.103	36.651	41.098	45.425	0.576	1.303	693
750	2.448	34.384	2.402	27.468	32.130	36.679	41.118	45.453	0.610	1.340	743
800	2.448	34.420	2.398	27.497	32.159	36.708	41.147	45.482	0.643	1.370	792
850	2.428	34.448	2.378	27.521	32.184	36.733	41.172	45.507	0.674	1.225	842
900	2.399	34.477	2.343	27.547	32.211	36.760	41.200	45.536	0.705	1.394	891
950	2.366	34.503	2.307	27.571	32.235	36.785	41.226	45.562	0.734	1.254	940
1000	2.368	34.530	2.309	27.593	32.256	36.806	41.247	45.583	0.763	1.095	990
1050	2.357	34.554	2.290	27.613	32.277	36.827	41.268	45.605	0.791	1.083	1039
1100	2.319	34.573	2.249	27.632	32.297	36.848	41.290	45.627	0.818	1.140	1088
1150	2.306	34.591	2.233	27.647	32.313	36.864	41.306	45.644	0.844	0.960	1138
1200	2.279	34.606	2.203	27.661	32.328	36.880	41.323	45.661	0.870	0.967	1187
1250	2.247	34.623	2.167	27.678	32.345	36.898	41.342	45.681	0.895	0.977	1236
1300	2.217	34.635	2.133	27.690	32.358	36.912	41.357	45.696	0.919	0.866	1286
1350	2.193	34.646	2.108	27.701	32.370	36.925	41.370	45.710	0.943	0.901	1335
1400	2.165	34.656	2.079	27.712	32.381	36.936	41.382	45.723	0.967	0.749	1384
1450	2.146	34.663	2.052	27.720	32.390	36.945	41.392	45.733	0.990	0.750	1433
1500	2.123	34.669	2.029	27.726	32.397	36.953	41.400	45.742	1.013	0.734	1483
1600	2.060	34.683	1.959	27.743	32.416	36.974	41.423	45.767	1.058	0.839	1581
1700	1.998	34.695	1.884	27.758	32.432	36.993	41.443	45.789	1.102	0.695	1679
1800	1.917	34.704	1.798	27.772	32.449	37.011	41.464	45.812	1.145	0.743	1778
1900	1.835	34.711	1.709	27.785	32.464	37.029	41.484	45.834	1.186	0.714	1876
2000	1.753	34.716	1.620	27.795	32.477	37.044	41.502	45.854	1.227	0.697	1974
2100	1.654	34.718	1.514	27.804	32.489	37.059	41.519	45.874	1.267	0.819	2072
2200	1.537	34.720	1.293	27.821	32.513	37.089	41.555	45.916	1.305	1.005	2171
2207	1.427	34.720	1.282	27.822	32.514	37.090	41.557	45.917	1.307	0.630	2178



A2-107 180

STA-180 LAT= 51 56.2 S LON= 50 54.8 W SONIC DEPTH 2365 m STA-180
 DATE 17/ 8780 GMT 305 CTD# 3

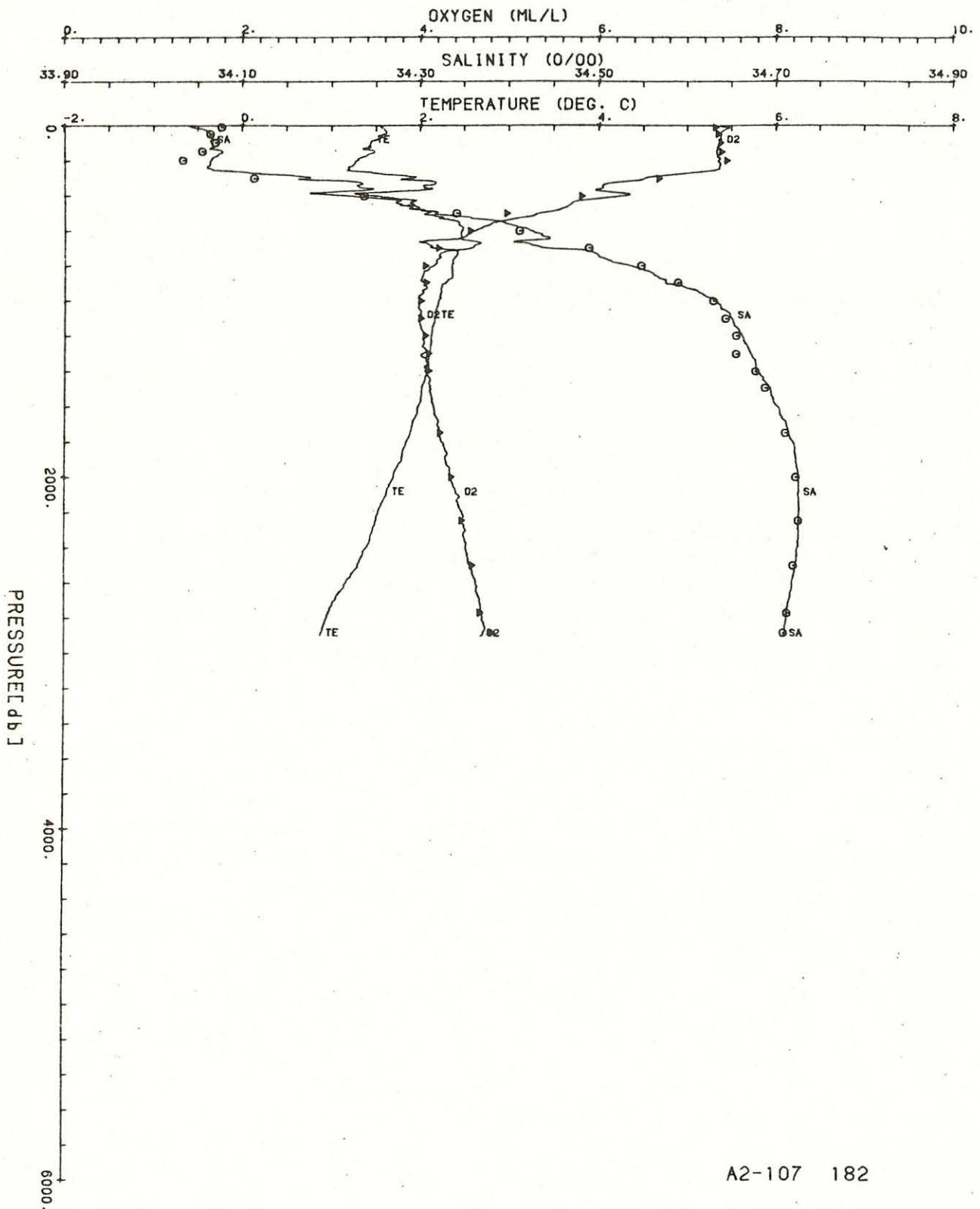
PR	T	S	#	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGT	N	DE
dbar	DB9 C	o/oo	Deg C							cmh	m
3	3.521	34.129	3.521	27.164	31.797	36.318	40.731	45.041	0.003	-2.045	3
25	3.523	34.127	3.521	27.162	31.796	36.317	40.729	45.039	0.023	1.353	25
50	3.523	34.144	3.519	27.176	31.810	36.330	40.743	45.053	0.046	1.223	50
75	3.543	34.148	3.538	27.177	31.810	36.330	40.743	45.051	0.068	0.499	74
100	3.547	34.166	3.541	27.191	31.824	36.344	40.756	45.065	0.091	0.884	99
125	3.549	34.171	3.541	27.196	31.829	36.349	40.761	45.069	0.113	0.609	124
150	3.550	34.174	3.540	27.198	31.831	36.351	40.763	45.071	0.135	0.484	149
175	3.551	34.176	3.539	27.199	31.832	36.352	40.764	45.073	0.158	0.358	174
200	3.553	34.178	3.539	27.201	31.834	36.354	40.766	45.074	0.180	0.442	198
250	3.550	34.181	3.533	27.203	31.837	36.357	40.769	45.078	0.225	0.444	248
300	3.401	34.177	3.381	27.215	31.852	36.376	40.792	45.105	0.269	1.191	297
350	3.171	34.169	3.149	27.231	31.874	36.405	40.828	45.145	0.313	1.021	347
400	3.211	34.198	3.189	27.250	31.893	36.422	40.843	45.160	0.357	1.155	396
450	3.056	34.203	3.027	27.269	31.915	36.449	40.874	45.194	0.399	1.229	446
500	2.784	34.201	2.753	27.292	31.946	36.486	40.918	45.246	0.441	1.237	495
550	2.626	34.211	2.593	27.314	31.972	36.517	40.953	45.284	0.482	1.207	545
600	2.497	34.230	2.461	27.340	32.002	36.551	40.990	45.324	0.521	1.182	594
650	2.482	34.255	2.442	27.361	32.024	36.572	41.012	45.347	0.560	1.376	644
700	2.430	34.283	2.388	27.388	32.052	36.602	41.042	45.378	0.597	1.155	693
750	2.489	34.317	2.443	27.411	32.073	36.621	41.060	45.394	0.634	1.382	743
800	2.488	34.359	2.438	27.445	32.106	36.654	41.093	45.427	0.669	1.422	792
850	2.497	34.398	2.444	27.476	32.137	36.684	41.122	45.456	0.703	1.376	842
900	2.445	34.422	2.388	27.500	32.162	36.711	41.150	45.485	0.736	1.309	891
950	2.426	34.455	2.368	27.527	32.190	36.739	41.179	45.514	0.768	1.236	940
1000	2.403	34.486	2.340	27.554	32.218	36.767	41.207	45.543	0.798	1.230	990
1050	2.403	34.514	2.336	27.577	32.240	36.789	41.230	45.565	0.828	1.248	1039
1100	2.385	34.537	2.314	27.597	32.261	36.811	41.251	45.587	0.856	1.077	1088
1150	2.368	34.558	2.294	27.615	32.279	36.830	41.270	45.607	0.884	1.022	1138
1200	2.340	34.575	2.263	27.632	32.297	36.848	41.289	45.626	0.911	1.102	1187
1250	2.313	34.594	2.232	27.650	32.315	36.867	41.309	45.647	0.938	1.012	1236
1300	2.291	34.608	2.205	27.663	32.329	36.881	41.324	45.662	0.964	0.923	1286
1350	2.263	34.621	2.179	27.676	32.343	36.896	41.339	45.678	0.989	0.880	1335
1400	2.238	34.634	2.147	27.688	32.356	36.909	41.354	45.693	1.014	0.887	1384
1450	2.214	34.645	2.119	27.700	32.368	36.922	41.367	45.707	1.038	0.884	1433
1500	2.188	34.655	2.088	27.710	32.379	36.934	41.380	45.720	1.062	0.861	1483
1600	2.118	34.675	2.013	27.732	32.403	36.960	41.407	45.750	1.109	0.859	1581
1700	2.062	34.689	1.949	27.749	32.421	36.980	41.428	45.772	1.154	0.719	1679
1800	2.018	34.699	1.897	27.760	32.434	36.994	41.444	45.789	1.198	0.698	1778
1900	1.953	34.708	1.829	27.773	32.449	37.011	41.463	45.810	1.241	0.631	1876
2000	1.904	34.712	1.768	27.781	32.458	37.022	41.475	45.823	1.284	0.750	1974
2100	1.802	34.719	1.660	27.794	32.475	37.042	41.497	45.848	1.325	0.778	2073
2200	1.668	34.723	1.519	27.808	32.492	37.062	41.522	45.877	1.366	0.809	2171
2253	1.612	34.724	1.460	27.813	32.499	37.071	41.532	45.889	1.386	0.754	2223



A2-107 181

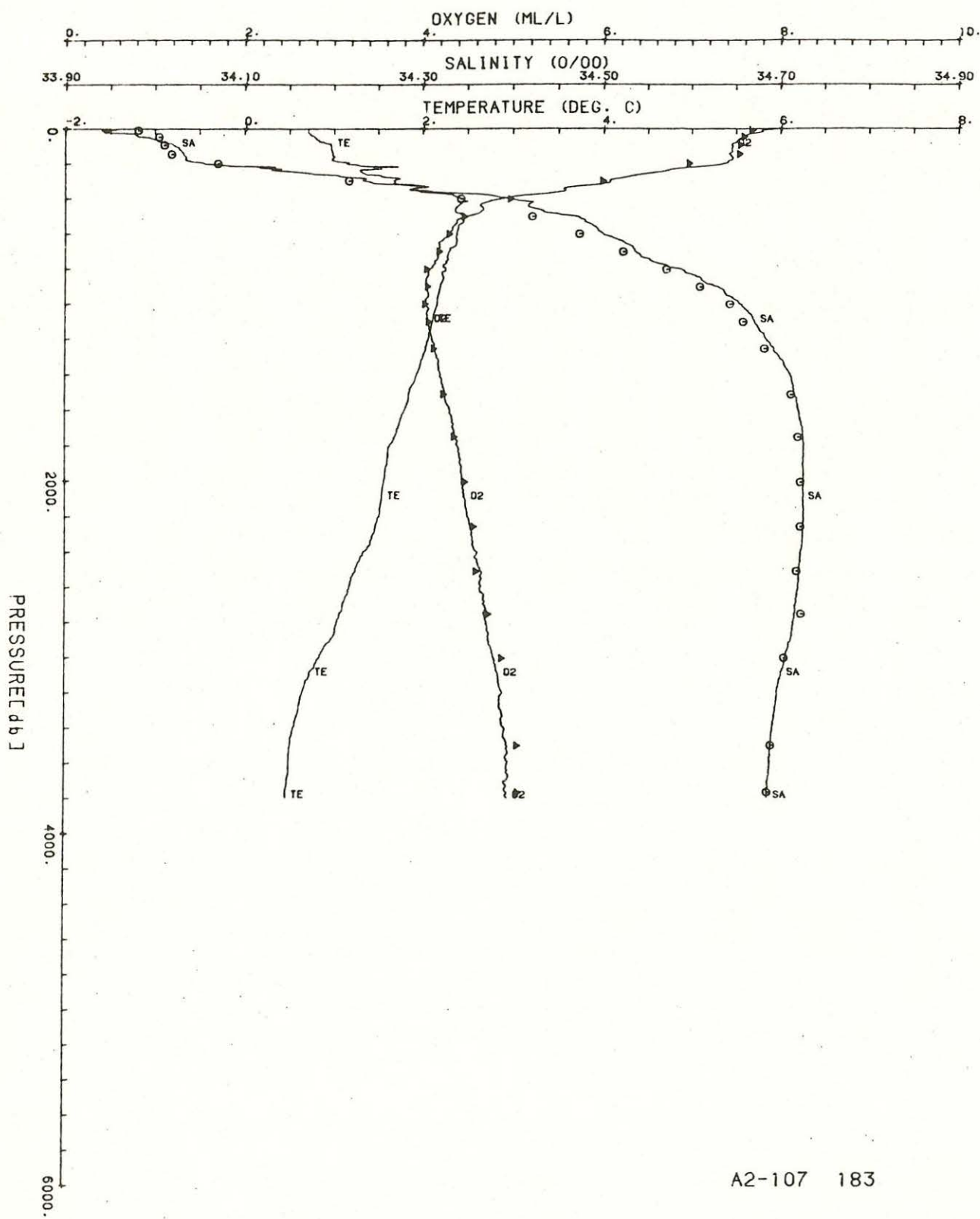
STA-181 LAT= 52 8.5 S LON= 49 57.8 W SONIC DEPTH 2545 m STA-181
 DATE 17/ 8/80 GMT 818 CTD# 3

PR	T	S	θ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cph	m
16	4.120	34.160	4.119	27.128	31.746	36.251	40.649	44.943	0.015	2.059	15
25	4.121	34.171	4.119	27.137	31.755	36.260	40.657	44.952	0.024	1.160	25
50	4.122	34.183	4.119	27.147	31.764	36.269	40.667	44.961	0.047	1.378	50
75	4.123	34.191	4.120	27.152	31.770	36.275	40.672	44.967	0.070	0.395	74
100	4.127	34.198	4.120	27.158	31.775	36.280	40.677	44.972	0.094	0.631	99
125	4.129	34.201	4.121	27.161	31.778	36.283	40.680	44.975	0.117	0.587	124
150	4.132	34.204	4.121	27.163	31.780	36.285	40.682	44.976	0.140	0.450	149
175	4.133	34.206	4.122	27.164	31.781	36.286	40.683	44.978	0.163	0.405	174
200	4.137	34.207	4.123	27.165	31.782	36.287	40.684	44.979	0.186	0.391	198
250	4.139	34.209	4.121	27.167	31.784	36.289	40.686	44.981	0.233	0.343	248
300	4.140	34.211	4.119	27.169	31.786	36.291	40.688	44.982	0.280	0.330	297
350	4.112	34.217	4.087	27.177	31.795	36.300	40.698	44.993	0.326	1.231	347
400	3.924	34.225	3.896	27.203	31.826	36.336	40.739	45.039	0.373	1.352	396
450	3.684	34.221	3.654	27.224	31.854	36.370	40.779	45.085	0.418	1.444	446
500	3.582	34.237	3.548	27.247	31.879	36.398	40.809	45.117	0.462	0.906	495
550	3.432	34.235	3.399	27.260	31.896	36.420	40.835	45.146	0.505	1.015	545
600	2.980	34.201	2.942	27.275	31.924	36.460	40.887	45.210	0.548	1.216	594
650	3.135	34.234	3.092	27.288	31.933	36.464	40.887	45.206	0.590	1.023	644
700	2.808	34.226	2.764	27.311	31.964	36.505	40.936	45.263	0.632	1.207	693
750	2.715	34.253	2.667	27.341	31.997	36.540	40.973	45.303	0.672	1.622	743
800	2.587	34.293	2.536	27.384	32.043	36.589	41.026	45.358	0.710	1.418	792
850	2.308	34.310	2.256	27.421	32.088	36.641	41.085	45.424	0.747	1.591	842
900	2.307	34.325	2.252	27.433	32.100	36.654	41.097	45.437	0.783	1.158	891
950	2.358	34.368	2.298	27.464	32.129	36.681	41.123	45.461	0.817	1.428	940
1000	2.388	34.402	2.323	27.489	32.154	36.704	41.146	45.482	0.851	1.138	990
1050	2.409	34.430	2.342	27.509	32.173	36.723	41.164	45.500	0.883	1.000	1039
1100	2.423	34.457	2.352	27.530	32.193	36.743	41.183	45.518	0.915	0.911	1088
1150	2.401	34.488	2.327	27.557	32.221	36.771	41.211	45.547	0.946	1.193	1138
1200	2.400	34.513	2.323	27.578	32.241	36.791	41.231	45.567	0.976	1.075	1187
1250	2.408	34.533	2.324	27.593	32.257	36.806	41.248	45.582	1.005	1.236	1236
1300	2.346	34.547	2.262	27.609	32.274	36.827	41.267	45.604	1.033	0.828	1286
1350	2.365	34.559	2.278	27.618	32.283	36.833	41.275	45.611	1.061	1.055	1335
1400	2.342	34.579	2.249	27.636	32.302	36.853	41.295	45.632	1.089	1.146	1384
1450	2.316	34.594	2.220	27.651	32.317	36.868	41.311	45.649	1.116	0.706	1433
1500	2.303	34.607	2.203	27.662	32.328	36.880	41.323	45.662	1.142	1.055	1483
1600	2.232	34.640	2.129	27.695	32.363	36.917	41.362	45.702	1.193	0.939	1581
1700	2.205	34.656	2.090	27.711	32.380	36.934	41.380	45.720	1.243	0.802	1679
1800	2.137	34.673	2.019	27.730	32.401	36.958	41.405	45.748	1.290	0.818	1778
1900	2.081	34.686	1.951	27.746	32.419	36.977	41.426	45.770	1.337	0.882	1876
2000	1.997	34.702	1.861	27.765	32.441	37.001	41.452	45.798	1.381	0.586	1974
2100	1.953	34.707	1.808	27.774	32.450	37.012	41.465	45.812	1.425	0.846	2073
2200	1.852	34.715	1.701	27.788	32.468	37.033	41.488	45.838	1.468	0.691	2171
2206	1.849	34.715	1.698	27.788	32.468	37.033	41.488	45.838	1.471	0.574	2177



STA-182 LAT= 52 17.4 S LON= 48 58.4 W SONIC DEPTH 2913 m STA-182
 DATE 17/ 8/80 GMT 1333 CTD# 3

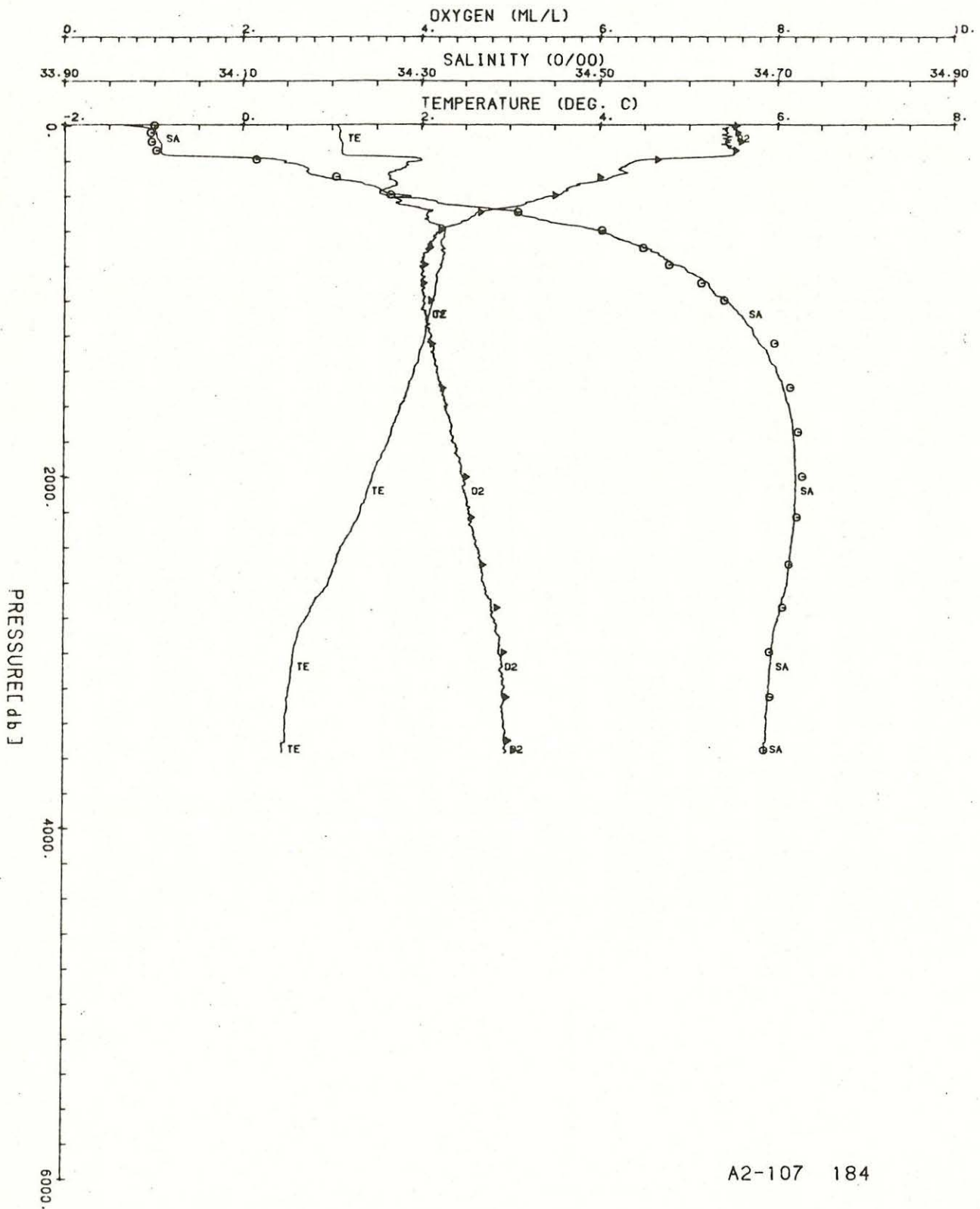
PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cmh	m
3	1.581	34.039	1.580	27.255	31.944	36.518	40.982	45.340	0.002	1.314	3
25	1.592	34.058	1.591	27.270	31.958	36.532	40.995	45.353	0.020	1.092	25
50	1.588	34.064	1.588	27.275	31.963	36.537	41.001	45.359	0.041	0.988	50
75	1.530	34.066	1.528	27.281	31.971	36.547	41.012	45.371	0.061	0.959	74
100	1.433	34.065	1.429	27.287	31.980	36.558	41.028	45.388	0.081	0.898	99
125	1.408	34.067	1.403	27.290	31.984	36.563	41.031	45.394	0.101	0.895	124
150	1.473	34.078	1.465	27.295	31.986	36.563	41.030	45.391	0.121	0.446	149
175	1.370	34.071	1.362	27.297	31.991	36.571	41.041	45.404	0.150	0.534	174
200	1.280	34.065	1.271	27.298	31.995	36.578	41.050	45.416	0.160	0.480	198
250	1.184	34.065	1.172	27.305	32.005	36.590	41.064	45.433	0.199	1.268	248
300	1.889	34.171	1.873	27.340	32.019	36.584	41.039	45.389	0.238	1.512	297
350	2.045	34.232	2.028	27.377	32.051	36.611	41.061	45.407	0.275	1.146	347
400	1.486	34.218	1.466	27.408	32.098	36.674	41.139	45.499	0.310	1.576	396
450	1.909	34.279	1.884	27.425	32.103	36.666	41.120	45.469	0.345	0.789	446
500	2.073	34.319	2.049	27.445	32.118	36.676	41.126	45.470	0.379	1.261	495
550	2.437	34.395	2.404	27.476	32.139	36.687	41.126	45.461	0.411	1.096	545
600	2.473	34.427	2.437	27.499	32.160	36.707	41.146	45.479	0.443	1.231	594
650	2.277	34.431	2.239	27.519	32.186	36.738	41.182	45.520	0.474	1.380	644
700	2.212	34.455	2.171	27.544	32.212	36.766	41.211	45.551	0.504	1.309	693
750	2.400	34.503	2.354	27.567	32.230	36.779	41.218	45.554	0.533	1.190	743
800	2.361	34.538	2.312	27.598	32.262	36.812	41.252	45.588	0.561	1.437	792
850	2.369	34.564	2.316	27.619	32.282	36.831	41.272	45.607	0.588	0.950	841
900	2.287	34.580	2.232	27.638	32.304	36.859	41.298	45.635	0.614	1.482	891
950	2.242	34.615	2.184	27.670	32.337	36.889	41.333	45.671	0.639	1.064	940
1000	2.213	34.635	2.151	27.689	32.356	36.909	41.353	45.693	0.663	0.961	989
1050	2.183	34.644	2.117	27.698	32.367	36.921	41.366	45.706	0.686	0.921	1039
1100	2.169	34.652	2.108	27.707	32.375	36.930	41.375	45.716	0.709	0.633	1088
1150	2.142	34.657	2.070	27.713	32.383	36.938	41.384	45.725	0.732	0.773	1137
1200	2.127	34.664	2.052	27.720	32.390	36.946	41.392	45.734	0.755	0.597	1187
1250	2.123	34.669	2.044	27.725	32.395	36.951	41.397	45.739	0.777	0.653	1236
1300	2.111	34.674	2.028	27.730	32.400	36.957	41.404	45.746	0.799	0.652	1285
1350	2.094	34.679	2.008	27.736	32.407	36.964	41.411	45.753	0.821	0.350	1335
1400	2.094	34.679	2.004	27.736	32.407	36.964	41.412	45.755	0.843	0.784	1384
1450	2.053	34.688	1.961	27.747	32.419	36.977	41.428	45.769	0.865	0.747	1433
1500	2.020	34.696	1.923	27.756	32.429	36.988	41.438	45.782	0.887	0.514	1482
1600	1.978	34.705	1.874	27.767	32.441	37.002	41.452	45.798	0.929	0.715	1581
1700	1.914	34.714	1.803	27.779	32.456	37.018	41.471	45.818	0.971	0.691	1679
1800	1.843	34.722	1.729	27.792	32.471	37.035	41.489	45.839	1.011	0.769	1778
1900	1.789	34.725	1.664	27.799	32.479	37.049	41.501	45.852	1.051	0.626	1876
2000	1.598	34.727	1.568	27.808	32.491	37.060	41.519	45.872	1.090	0.608	1974
2100	1.616	34.727	1.477	27.815	32.500	37.071	41.533	45.888	1.128	0.605	2072
2200	1.524	34.728	1.378	27.822	32.511	37.089	41.548	45.907	1.166	0.573	2170
2300	1.464	34.728	1.310	27.827	32.517	37.093	41.558	45.919	1.203	0.573	2269
2400	1.392	34.726	1.231	27.831	32.524	37.102	41.569	45.931	1.239	0.658	2367
2500	1.296	34.724	1.128	27.836	32.532	37.113	41.583	45.948	1.275	0.638	2465
2600	1.163	34.720	0.989	27.842	32.542	37.127	41.601	45.970	1.310	0.706	2563
2700	1.040	34.717	0.860	27.848	32.552	37.140	41.618	45.990	1.344	0.641	2660
2800	0.949	34.714	0.762	27.852	32.558	37.150	41.630	46.005	1.377	0.571	2758
2900	0.879	34.711	0.689	27.854	32.563	37.157	41.639	46.016	1.409	0.521	2856



A2-107 183

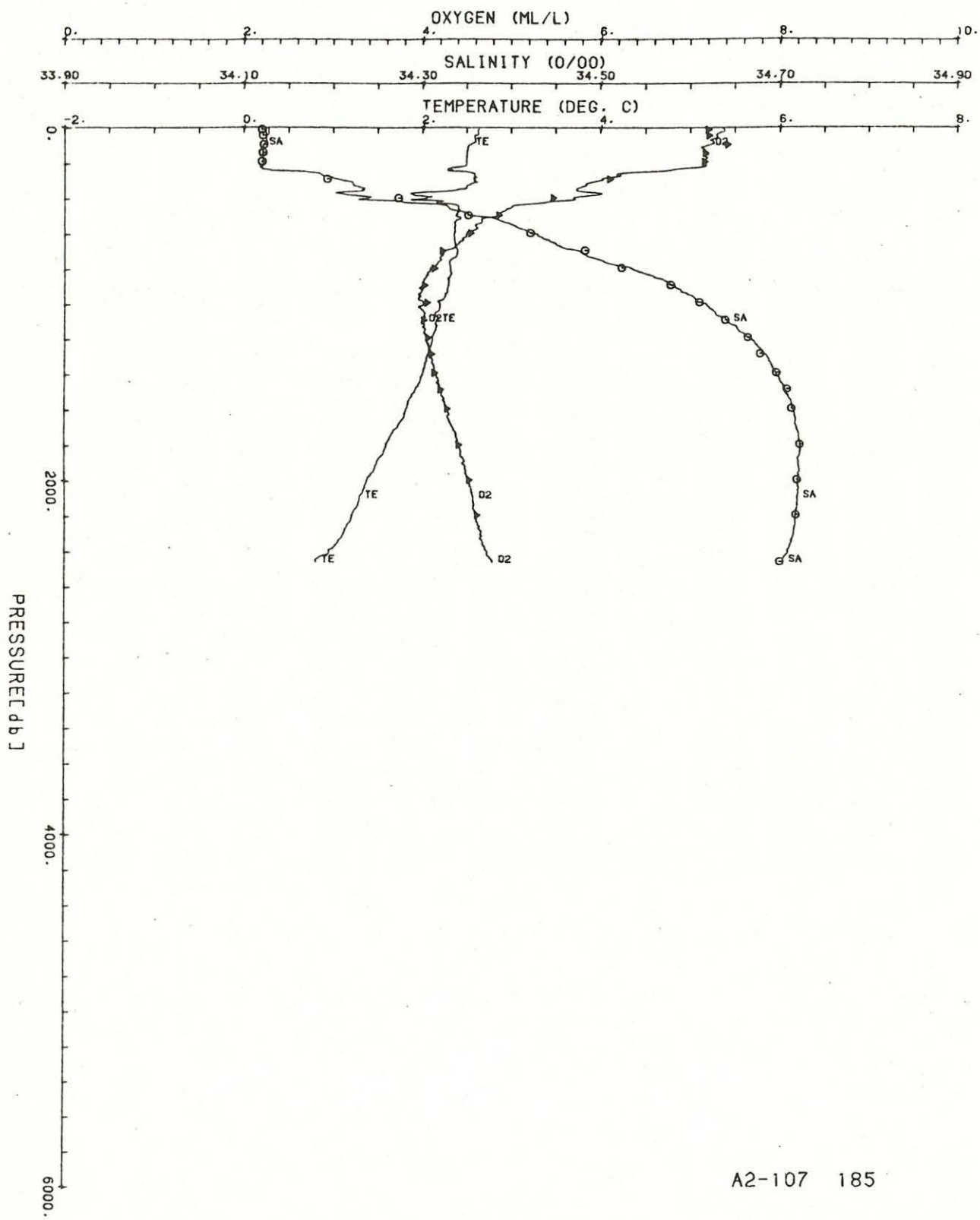
STA-183 LAT= 52 34.2 S LON= 47 56.3 W SONIC DEPTH 3749 m STA-183
 DATE 17/ 8/80 GMT 1922 CTD# 3

PR	T	S	θ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							coh	m
3	0.707	33.959	0.707	27.249	31.963	36.562	41.051	45.433	0.002	-2.420	3
25	0.711	33.960	0.710	27.249	31.964	36.563	41.051	45.433	0.021	2.160	25
50	0.777	33.992	0.777	27.271	31.984	36.581	41.067	45.447	0.041	1.462	50
75	0.852	34.008	0.849	27.280	31.990	36.585	41.069	45.446	0.062	0.949	74
100	0.959	34.023	0.954	27.285	31.992	36.583	41.064	45.439	0.082	0.915	99
125	0.965	34.029	0.960	27.289	31.996	36.587	41.068	45.443	0.101	0.575	124
150	0.976	34.032	0.970	27.291	31.998	36.589	41.069	45.444	0.121	0.412	149
175	0.974	34.034	0.966	27.293	32.000	36.591	41.071	45.446	0.141	0.550	174
200	1.179	34.062	1.170	27.302	32.002	36.588	41.062	45.431	0.161	1.815	198
250	1.319	34.167	1.307	27.378	32.073	36.654	41.124	45.488	0.198	2.016	248
300	1.678	34.239	1.663	27.410	32.094	36.664	41.124	45.479	0.233	1.342	297
350	1.902	34.300	1.883	27.442	32.120	36.684	41.137	45.486	0.267	1.550	347
400	2.443	34.402	2.419	27.481	32.142	36.690	41.129	45.464	0.300	1.359	396
450	2.371	34.424	2.344	27.504	32.168	36.718	41.159	45.495	0.331	1.256	446
500	2.459	34.472	2.429	27.536	32.197	36.744	41.182	45.516	0.361	1.332	495
550	2.398	34.489	2.369	27.555	32.218	36.766	41.208	45.541	0.390	1.104	545
600	2.376	34.501	2.340	27.567	32.230	36.779	41.219	45.555	0.418	1.092	594
650	2.371	34.526	2.332	27.587	32.251	36.800	41.240	45.576	0.446	1.101	644
700	2.286	34.538	2.244	27.604	32.269	36.821	41.263	45.601	0.473	0.885	693
750	2.264	34.555	2.219	27.620	32.286	36.838	41.281	45.619	0.500	1.296	743
800	2.251	34.591	2.203	27.649	32.316	36.868	41.311	45.649	0.525	1.229	792
850	2.228	34.611	2.177	27.668	32.334	36.887	41.331	45.670	0.549	0.881	841
900	2.194	34.631	2.139	27.687	32.355	36.908	41.353	45.692	0.573	1.119	891
950	2.166	34.643	2.108	27.699	32.367	36.922	41.367	45.707	0.596	0.967	940
1000	2.157	34.657	2.096	27.711	32.379	36.934	41.379	45.720	0.619	0.783	989
1050	2.124	34.666	2.060	27.721	32.391	36.947	41.393	45.734	0.641	0.801	1039
1100	2.104	34.671	2.036	27.727	32.398	36.954	41.401	45.742	0.663	0.697	1088
1150	2.083	34.678	2.011	27.734	32.405	36.962	41.409	45.752	0.685	0.788	1137
1200	2.059	34.685	1.984	27.742	32.414	36.971	41.419	45.762	0.706	0.792	1187
1250	2.029	34.693	1.951	27.751	32.424	36.982	41.431	45.775	0.727	0.690	1236
1300	1.998	34.699	1.916	27.759	32.433	36.992	41.441	45.786	0.748	0.839	1285
1350	1.968	34.705	1.883	27.766	32.441	37.001	41.452	45.797	0.768	0.692	1335
1400	1.929	34.711	1.841	27.774	32.450	37.011	41.463	45.809	0.789	0.725	1384
1450	1.891	34.714	1.799	27.780	32.457	37.019	41.472	45.819	0.809	0.749	1433
1500	1.847	34.716	1.752	27.785	32.463	37.027	41.481	45.829	0.828	0.531	1482
1600	1.794	34.721	1.692	27.794	32.473	37.039	41.494	45.844	0.867	0.679	1581
1700	1.718	34.725	1.610	27.803	32.485	37.053	41.510	45.863	0.906	0.603	1679
1800	1.622	34.727	1.507	27.812	32.497	37.067	41.527	45.882	0.943	0.612	1777
1900	1.596	34.726	1.474	27.814	32.500	37.071	41.532	45.888	0.980	0.409	1876
2000	1.561	34.725	1.431	27.817	32.504	37.077	41.539	45.896	1.018	0.789	1974
2100	1.536	34.726	1.398	27.819	32.507	37.081	41.544	45.902	1.055	0.370	2072
2200	1.502	34.727	1.356	27.823	32.512	37.086	41.551	45.910	1.092	0.493	2170
2300	1.438	34.726	1.285	27.827	32.518	37.095	41.561	45.922	1.129	0.546	2268
2400	1.330	34.724	1.170	27.833	32.528	37.107	41.577	45.940	1.165	0.749	2366
2500	1.242	34.722	1.076	27.838	32.536	37.118	41.590	45.956	1.200	0.601	2464
2600	1.172	34.721	0.998	27.843	32.542	37.127	41.601	45.969	1.235	0.473	2562
2700	1.099	34.718	0.917	27.845	32.547	37.134	41.611	45.981	1.269	0.496	2660
2800	1.033	34.715	0.844	27.848	32.552	37.141	41.619	45.992	1.302	0.486	2758
2900	0.965	34.713	0.769	27.851	32.557	37.148	41.629	46.003	1.336	0.741	2856
3000	0.835	34.707	0.633	27.854	32.565	37.160	41.644	46.022	1.368	0.640	2954
3100	0.727	34.702	0.519	27.857	32.571	37.169	41.657	46.038	1.399	0.605	3052
3200	0.647	34.697	0.431	27.859	32.575	37.176	41.668	46.049	1.430	0.523	3149
3300	0.604	34.695	0.379	27.860	32.578	37.180	41.672	46.056	1.460	0.418	3247
3400	0.549	34.692	0.315	27.861	32.581	37.185	41.678	46.065	1.489	0.459	3345
3500	0.513	34.690	0.272	27.862	32.583	37.189	41.683	46.071	1.519	0.713	3442
3600	0.497	34.689	0.247	27.863	32.585	37.191	41.686	46.074	1.548	0.722	3540
3700	0.481	34.687	0.221	27.862	32.585	37.192	41.688	46.077	1.577	0.369	3637
3745	0.464	34.687	0.199	27.863	32.587	37.195	41.691	46.081	1.604	0.298	3730



STA-184 LAT= 52 45.1 S LON= 46 59.3 W SONIC DEPTH 3548 m STA-184
 DATE 18/ 8/80 GMT 340 CTD# 8

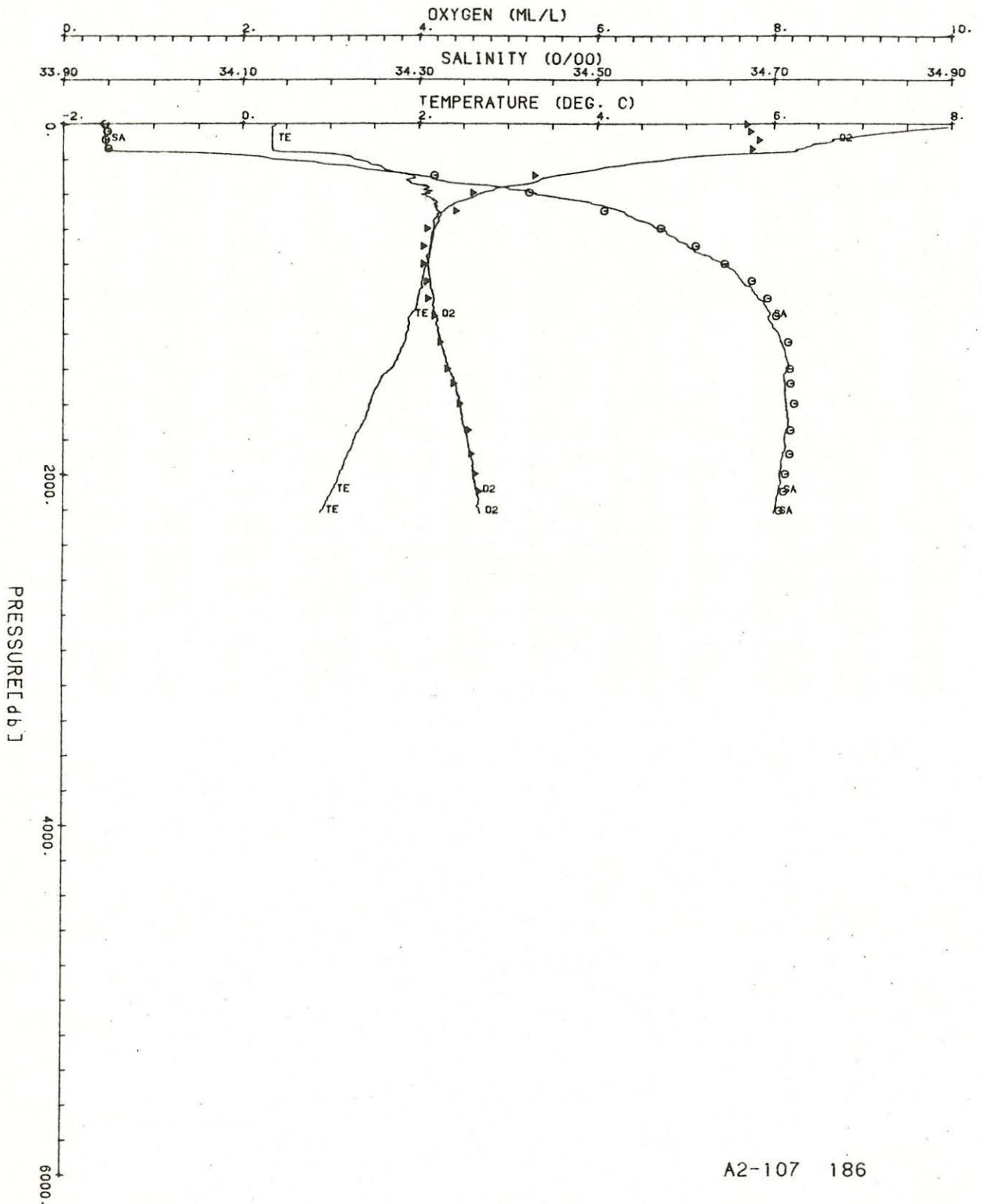
PR	T	S	R	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cph	m
3	1.052	33.966	1.052	27.233	31.938	36.527	41.006	45.378	0.003	2.302	3
25	1.078	33.997	1.077	27.256	31.960	36.548	41.026	45.398	0.021	1.107	25
50	1.075	34.002	1.073	27.260	31.964	36.552	41.030	45.402	0.041	0.412	50
75	1.076	34.003	1.072	27.261	31.965	36.553	41.031	45.403	0.062	0.323	74
100	1.100	34.006	1.096	27.263	31.965	36.553	41.030	45.402	0.082	0.385	99
125	1.109	34.007	1.100	27.263	31.966	36.554	41.031	45.402	0.103	0.221	124
150	1.100	34.007	1.094	27.264	31.966	36.554	41.032	45.403	0.123	-0.042	149
175	1.261	34.029	1.253	27.270	31.968	36.551	41.024	45.391	0.144	1.970	174
200	1.991	34.144	1.980	27.310	31.986	36.548	41.001	45.348	0.164	1.911	198
250	1.778	34.174	1.769	27.350	32.032	36.600	41.058	45.410	0.202	1.256	248
300	1.642	34.195	1.627	27.377	32.063	36.639	41.098	45.452	0.238	1.535	297
350	1.681	34.248	1.663	27.417	32.101	36.671	41.131	45.486	0.273	1.551	347
400	1.594	34.293	1.579	27.451	32.138	36.710	41.172	45.529	0.307	1.129	396
450	1.738	34.327	1.714	27.476	32.159	36.726	41.184	45.537	0.339	1.527	446
500	2.072	34.408	2.044	27.516	32.188	36.746	41.195	45.539	0.370	1.382	495
550	2.079	34.446	2.048	27.546	32.218	36.776	41.224	45.567	0.399	1.242	545
600	2.266	34.501	2.230	27.575	32.242	36.794	41.237	45.575	0.428	1.306	594
650	2.235	34.524	2.196	27.597	32.264	36.817	41.261	45.600	0.455	1.283	644
700	2.252	34.553	2.211	27.618	32.285	36.837	41.280	45.619	0.481	1.070	693
750	2.242	34.572	2.197	27.635	32.301	36.854	41.297	45.636	0.507	0.943	743
800	2.222	34.589	2.174	27.651	32.318	36.871	41.315	45.654	0.532	1.141	792
850	2.171	34.606	2.120	27.669	32.337	36.892	41.337	45.677	0.557	1.081	841
900	2.165	34.622	2.111	27.682	32.351	36.905	41.350	45.691	0.580	0.764	891
950	2.153	34.628	2.099	27.688	32.357	36.912	41.357	45.698	0.604	0.687	940
1000	2.128	34.643	2.067	27.702	32.372	36.927	41.373	45.715	0.627	0.919	989
1050	2.101	34.653	2.036	27.713	32.383	36.939	41.388	45.728	0.649	0.817	1039
1100	2.076	34.662	2.008	27.722	32.393	36.950	41.398	45.740	0.671	0.737	1088
1150	2.058	34.670	1.987	27.730	32.402	36.959	41.407	45.751	0.693	0.804	1137
1200	2.044	34.674	1.969	27.735	32.407	36.965	41.414	45.757	0.715	0.672	1187
1250	2.019	34.681	1.941	27.742	32.415	36.974	41.423	45.767	0.736	0.839	1236
1300	1.979	34.689	1.897	27.753	32.427	36.987	41.437	45.782	0.757	0.638	1285
1350	1.965	34.693	1.880	27.757	32.431	36.992	41.442	45.788	0.778	0.818	1335
1400	1.920	34.700	1.831	27.766	32.442	37.003	41.455	45.802	0.799	0.530	1384
1450	1.887	34.704	1.799	27.772	32.449	37.011	41.464	45.812	0.819	0.840	1433
1500	1.852	34.707	1.757	27.778	32.456	37.019	41.473	45.822	0.839	0.634	1482
1600	1.765	34.714	1.664	27.790	32.471	37.037	41.493	45.844	0.879	0.698	1581
1700	1.692	34.718	1.584	27.799	32.482	37.050	41.508	45.862	0.918	0.624	1679
1800	1.632	34.720	1.517	27.806	32.490	37.061	41.521	45.875	0.956	0.629	1777
1900	1.541	34.721	1.419	27.814	32.501	37.074	41.536	45.894	0.993	0.666	1876
2000	1.452	34.722	1.324	27.821	32.511	37.086	41.552	45.911	1.029	0.542	1974
2100	1.985	34.721	1.250	27.826	32.518	37.098	41.563	45.925	1.065	0.497	2072
2200	1.320	34.721	1.177	27.830	32.525	37.104	41.574	45.937	1.101	0.518	2170
2300	1.222	34.719	1.073	27.836	32.534	37.116	41.588	45.955	1.136	0.631	2268
2400	1.099	34.716	0.944	27.842	32.544	37.130	41.605	45.975	1.169	0.612	2366
2500	1.039	34.715	0.877	27.845	32.549	37.137	41.614	45.986	1.203	0.503	2464
2600	0.969	34.712	0.800	27.849	32.554	37.144	41.624	45.997	1.235	0.575	2562
2700	0.822	34.707	0.647	27.853	32.563	37.158	41.642	46.019	1.267	0.694	2660
2800	0.726	34.702	0.544	27.856	32.569	37.166	41.653	46.034	1.298	0.627	2758
2900	0.632	34.697	0.443	27.858	32.574	37.174	41.664	46.047	1.328	0.441	2856
3000	0.583	34.695	0.386	27.859	32.577	37.179	41.670	46.055	1.358	0.374	2954
3100	0.560	34.693	0.359	27.860	32.578	37.181	41.673	46.059	1.387	0.339	3052
3200	0.531	34.692	0.318	27.861	32.580	37.189	41.678	46.064	1.416	0.380	3149
3300	0.514	34.690	0.292	27.861	32.582	37.187	41.680	46.068	1.445	0.283	3247
3400	0.494	34.690	0.263	27.862	32.584	37.189	41.684	46.072	1.474	0.225	3344
3500	0.493	34.689	0.253	27.862	32.584	37.190	41.685	46.073	1.503	0.436	3442
3569	0.459	34.687	0.213	27.863	32.586	37.193	41.689	46.078	1.523	0.099	3509



A2-107 185

STA-185 LAT= 52 56.6 S LON= 45 57.8 W SONIC DEPTH 2405 m STA-185
 DATE 18/ 8780 GMT 1055 CTD# 8

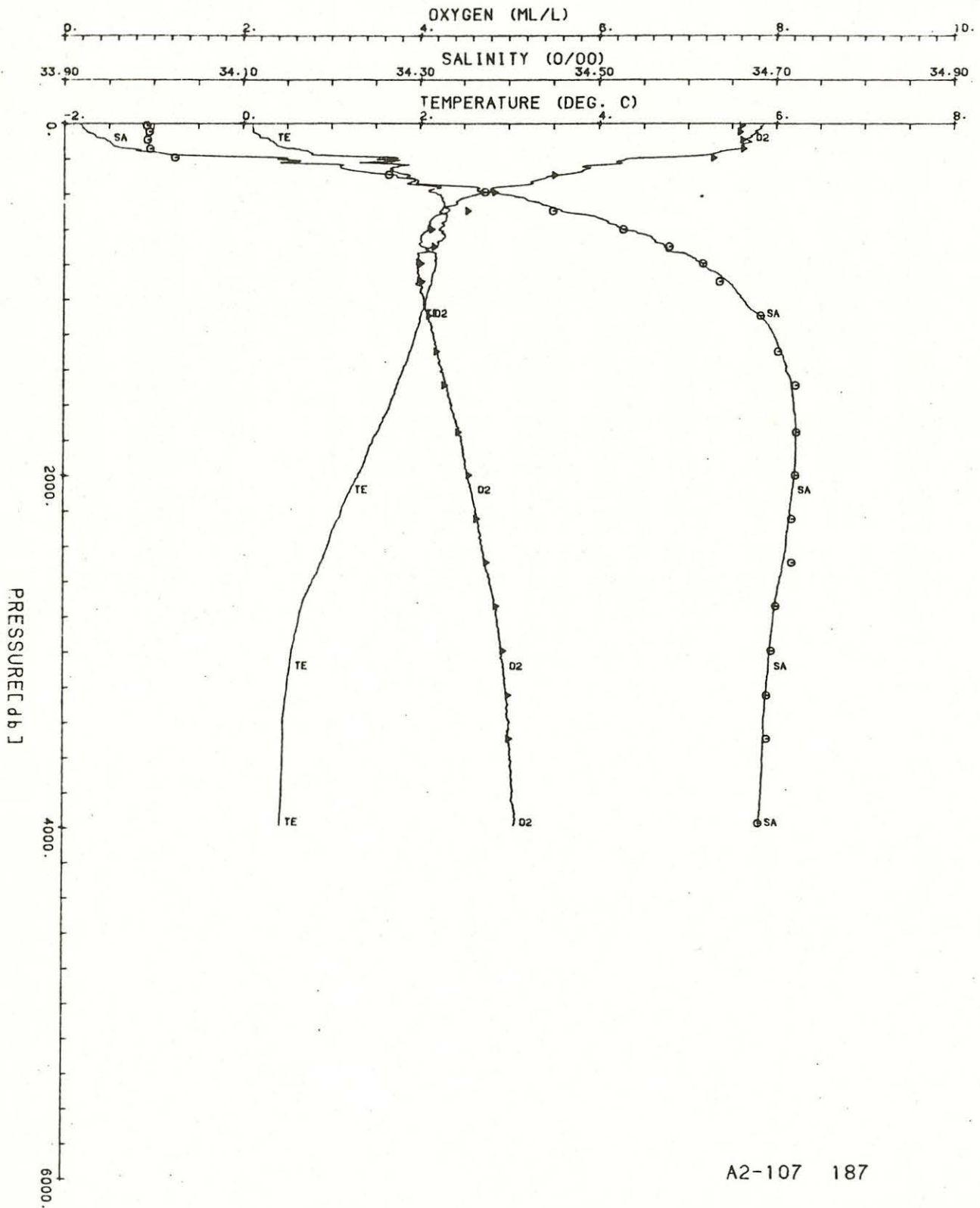
PR	T	S	A	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							coh	m
3	2.641	34.124	2.641	27.240	31.898	36.443	40.878	45.209	0.003	0.881	3
25	2.625	34.127	2.623	27.244	31.902	36.447	40.883	45.214	0.021	0.172	25
50	2.591	34.124	2.589	27.245	31.904	36.450	40.886	45.219	0.042	0.479	50
75	2.597	34.125	2.592	27.245	31.904	36.450	40.886	45.219	0.063	0.153	74
100	2.528	34.121	2.521	27.248	31.909	36.457	40.895	45.229	0.084	0.740	99
125	2.505	34.120	2.498	27.249	31.911	36.459	40.898	45.233	0.105	0.321	124
150	2.498	34.120	2.489	27.250	31.912	36.461	40.900	45.235	0.126	0.213	149
175	2.493	34.121	2.483	27.251	31.913	36.462	40.901	45.236	0.147	0.349	174
200	2.493	34.121	2.482	27.252	31.914	36.462	40.902	45.237	0.168	0.705	198
250	2.512	34.168	2.498	27.288	31.949	36.497	40.938	45.270	0.209	1.551	248
300	2.592	34.213	2.574	27.317	31.976	36.521	40.957	45.289	0.249	1.415	297
350	2.796	34.233	2.376	27.350	32.014	36.554	41.006	45.342	0.288	1.790	347
400	1.999	34.235	1.977	27.383	32.059	36.620	41.072	45.419	0.324	1.462	396
450	2.404	34.330	2.378	27.427	32.090	36.640	41.080	45.416	0.359	1.090	446
500	2.400	34.367	2.370	27.457	32.120	36.670	41.110	45.446	0.393	1.557	495
550	2.368	34.403	2.336	27.488	32.152	36.703	41.144	45.480	0.425	1.130	545
600	2.357	34.428	2.321	27.509	32.174	36.724	41.165	45.502	0.457	1.103	594
650	2.365	34.448	2.326	27.525	32.189	36.739	41.180	45.517	0.487	0.950	644
700	2.394	34.478	2.352	27.547	32.210	36.759	41.199	45.534	0.517	1.221	693
750	2.314	34.501	2.268	27.572	32.237	36.788	41.230	45.568	0.546	1.407	743
800	2.314	34.535	2.266	27.600	32.265	36.818	41.258	45.595	0.574	1.192	792
850	2.297	34.561	2.247	27.623	32.288	36.839	41.281	45.619	0.601	1.267	841
900	2.288	34.583	2.233	27.641	32.306	36.858	41.300	45.638	0.627	0.989	891
950	2.257	34.600	2.198	27.657	32.324	36.876	41.319	45.657	0.652	1.156	940
1000	2.195	34.618	2.133	27.677	32.345	36.899	41.343	45.683	0.677	0.970	989
1050	2.144	34.629	2.079	27.690	32.359	36.914	41.360	45.702	0.700	0.962	1039
1100	2.155	34.642	2.088	27.700	32.369	36.924	41.370	45.711	0.724	0.939	1088
1150	2.142	34.654	2.070	27.711	32.381	36.936	41.382	45.723	0.747	0.881	1137
1200	2.109	34.669	2.034	27.725	32.396	36.952	41.399	45.741	0.769	0.887	1187
1250	2.080	34.678	2.001	27.735	32.406	36.963	41.411	45.754	0.791	0.875	1236
1300	2.045	34.686	1.963	27.745	32.417	36.977	41.424	45.767	0.813	0.802	1285
1350	2.022	34.691	1.938	27.751	32.424	36.983	41.432	45.776	0.834	0.694	1335
1400	1.994	34.697	1.905	27.758	32.432	36.991	41.441	45.786	0.855	0.761	1384
1450	1.958	34.702	1.866	27.765	32.440	37.001	41.452	45.798	0.876	0.831	1433
1500	1.909	34.707	1.809	27.774	32.450	37.012	41.465	45.812	0.896	0.840	1482
1600	1.809	34.715	1.707	27.788	32.467	37.032	41.487	45.837	0.936	0.618	1581
1700	1.713	34.719	1.605	27.798	32.480	37.048	41.508	45.858	0.975	0.837	1679
1800	1.585	34.723	1.471	27.811	32.497	37.069	41.530	45.886	1.013	0.621	1777
1900	1.483	34.721	1.362	27.817	32.507	37.081	41.545	45.904	1.049	0.664	1876
2000	1.371	34.721	1.244	27.826	32.518	37.098	41.563	45.925	1.085	0.646	1974
2100	1.289	34.720	1.159	27.831	32.526	37.108	41.576	45.940	1.120	0.547	2072
2200	1.201	34.718	1.061	27.836	32.534	37.118	41.589	45.955	1.155	0.588	2170
2300	1.109	34.716	0.962	27.841	32.542	37.127	41.602	45.972	1.188	0.599	2268
2400	0.949	34.710	0.796	27.846	32.552	37.142	41.622	45.996	1.221	0.841	2366
2463	0.804	34.704	0.649	27.851	32.561	37.156	41.639	46.017	1.241	0.691	2468



A2-107 186

STA-186 LAT= 53 9.9 S LON= 44 59.0 W SONIC DEPTH 2250 m STA-186
 DATE 18/ 8/80 GMT 1605 CTD# 8

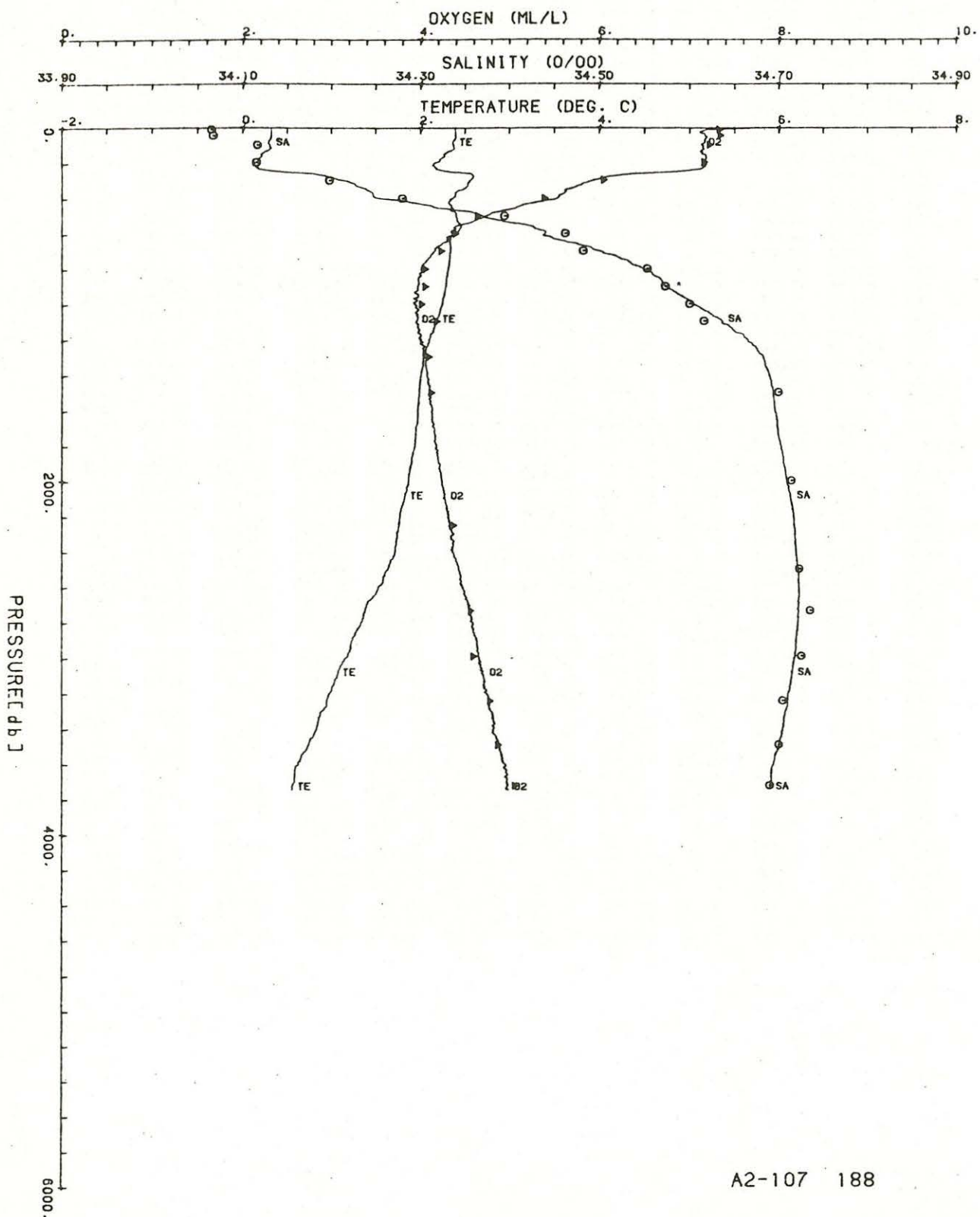
PR	T	S	θ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	σ ₀₀	Deg C							cph	m
3	0.385	33.940	0.384	27.252	31.976	36.585	41.082	45.473	0.002	1.303	3
25	0.334	33.945	0.333	27.259	31.985	36.595	41.094	45.486	0.021	0.490	25
50	0.335	33.946	0.333	27.260	31.985	36.595	41.094	45.486	0.041	0.186	50
75	0.335	33.946	0.332	27.260	31.986	36.596	41.095	45.487	0.062	0.248	74
100	0.335	33.947	0.331	27.261	31.987	36.597	41.095	45.488	0.082	0.209	99
125	0.336	33.947	0.331	27.261	31.987	36.597	41.096	45.488	0.103	0.070	124
150	0.353	33.950	0.347	27.262	31.988	36.597	41.095	45.487	0.123	1.298	149
175	1.080	34.085	1.073	27.327	32.030	36.618	41.095	45.466	0.143	2.559	174
200	1.276	34.136	1.266	27.355	32.052	36.634	41.105	45.471	0.161	1.938	198
250	1.595	34.234	1.582	27.411	32.098	36.671	41.133	45.490	0.197	1.609	248
300	1.947	34.309	1.931	27.445	32.122	36.688	41.136	45.483	0.230	1.412	297
350	2.053	34.375	2.034	27.490	32.163	36.722	41.171	45.515	0.262	1.776	347
400	2.082	34.433	2.060	27.535	32.206	36.764	41.212	45.555	0.292	1.575	396
450	2.197	34.494	2.171	27.574	32.242	36.796	41.241	45.581	0.320	1.489	446
500	2.225	34.530	2.196	27.602	32.269	36.822	41.265	45.604	0.347	1.018	495
550	2.164	34.549	2.132	27.622	32.291	36.844	41.290	45.631	0.373	1.270	545
600	2.165	34.574	2.130	27.642	32.310	36.865	41.310	45.650	0.398	1.028	594
650	2.154	34.589	2.116	27.655	32.324	36.879	41.324	45.664	0.422	0.986	644
700	2.137	34.604	2.098	27.669	32.338	36.893	41.339	45.680	0.446	0.856	693
750	2.121	34.626	2.078	27.688	32.357	36.913	41.359	45.700	0.469	1.160	742
800	2.087	34.645	2.040	27.706	32.376	36.933	41.379	45.721	0.491	1.069	792
850	2.058	34.658	2.008	27.719	32.390	36.947	41.395	45.738	0.513	0.754	841
900	2.033	34.666	1.979	27.727	32.399	36.957	41.405	45.749	0.534	0.775	891
950	2.010	34.677	1.953	27.739	32.411	36.970	41.419	45.762	0.555	0.801	940
1000	1.989	34.685	1.928	27.747	32.420	36.979	41.429	45.773	0.576	0.818	989
1050	1.968	34.693	1.905	27.755	32.429	36.988	41.438	45.783	0.596	0.828	1039
1100	1.893	34.695	1.827	27.762	32.438	37.000	41.452	45.799	0.616	0.537	1088
1150	1.888	34.700	1.818	27.767	32.443	37.005	41.458	45.805	0.636	0.616	1137
1200	1.858	34.707	1.789	27.775	32.452	37.015	41.468	45.816	0.656	0.686	1187
1250	1.838	34.710	1.762	27.780	32.458	37.021	41.475	45.823	0.675	0.721	1236
1300	1.795	34.714	1.716	27.786	32.465	37.030	41.485	45.835	0.694	0.633	1285
1350	1.750	34.716	1.668	27.792	32.472	37.038	41.494	45.845	0.713	0.722	1334
1400	1.688	34.717	1.600	27.797	32.479	37.047	41.505	45.858	0.732	0.699	1384
1450	1.581	34.713	1.493	27.802	32.487	37.058	41.519	45.874	0.750	0.698	1433
1500	1.534	34.714	1.443	27.806	32.493	37.065	41.528	45.884	0.769	0.646	1482
1600	1.448	34.715	1.350	27.814	32.504	37.078	41.543	45.902	0.804	0.554	1581
1700	1.381	34.717	1.277	27.821	32.512	37.089	41.556	45.917	0.839	0.613	1679
1800	1.272	34.713	1.162	27.825	32.520	37.100	41.570	45.934	0.874	0.556	1777
1900	1.189	34.711	1.073	27.830	32.527	37.110	41.582	45.948	0.908	0.512	1876
2000	1.105	34.708	0.982	27.833	32.534	37.119	41.593	45.962	0.941	0.583	1974
2100	1.016	34.706	0.887	27.838	32.541	37.129	41.606	45.977	0.974	0.569	2072
2200	0.917	34.702	0.781	27.842	32.548	37.139	41.619	45.993	1.006	0.548	2170
2219	0.891	34.702	0.754	27.843	32.550	37.141	41.622	45.997	1.012	0.550	2189



A2-107 187

STA-187 LAT= 53 55.8 S LON= 45 51.4 W SONIC DEPTH 3943 m STA-187
 DATE 19/ 8/80 GMT 33 CTD# 8

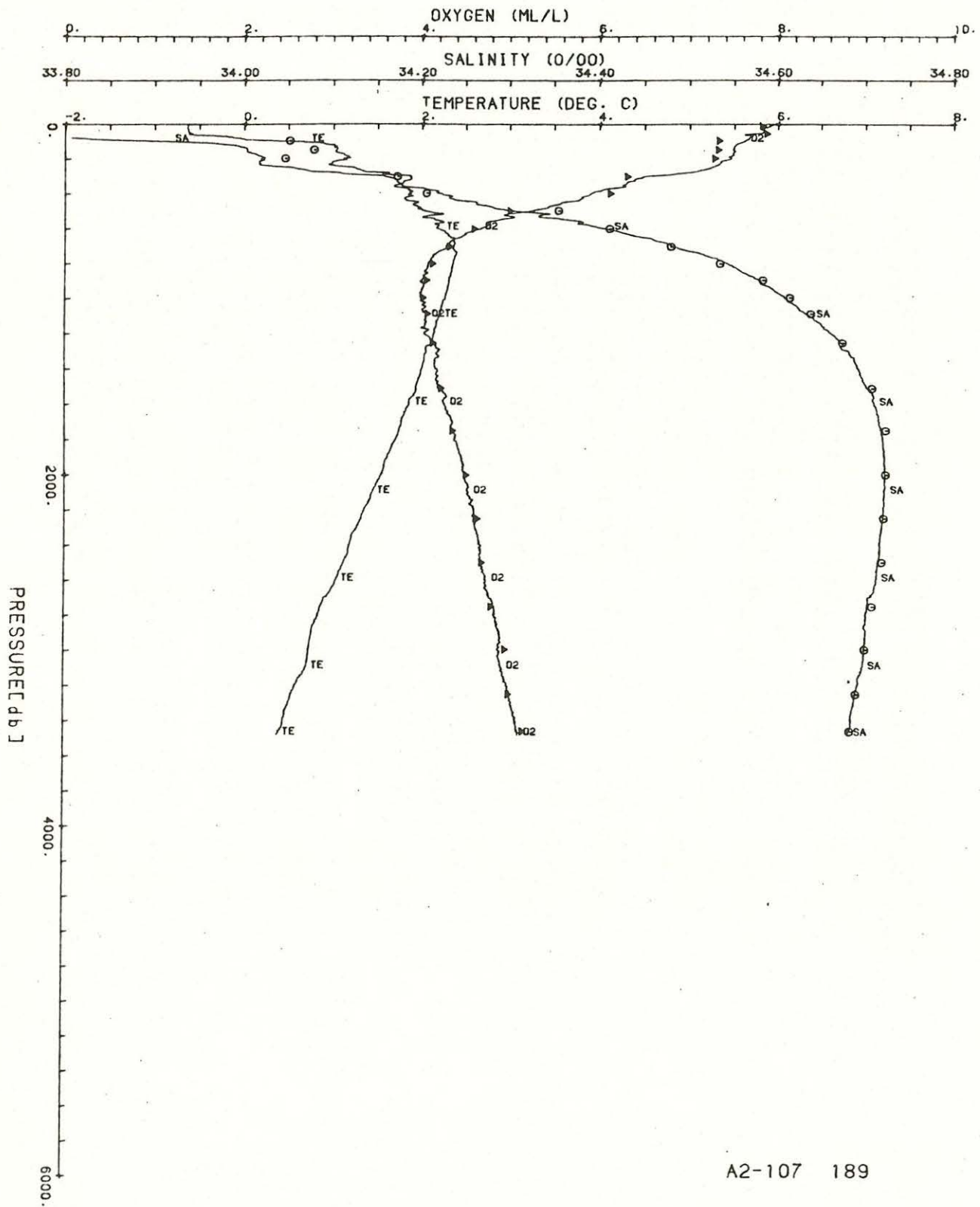
PR	T	S	θ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DF
dbar	Deg C	o/oo	Deg C							coh	m
3	0:108	33.916	0.108	27.248	31.981	36.597	41.103	45.501	0.002	0.700	3
25	0.106	33.921	0.109	27.251	31.984	36.601	41.107	45.505	0.021	0.625	25
50	0.119	33.927	0.117	27.256	31.988	36.605	41.110	45.508	0.041	0.795	50
75	0.188	33.935	0.188	27.259	31.989	36.604	41.107	45.503	0.062	0.673	74
100	0.321	33.949	0.317	27.263	31.989	36.600	41.099	45.491	0.082	0.471	99
125	0.384	33.955	0.379	27.264	31.989	36.597	41.095	45.485	0.103	0.599	124
150	0.658	33.981	0.652	27.270	31.986	36.587	41.076	45.460	0.123	0.919	149
175	0.797	34.020	0.790	27.293	32.004	36.601	41.086	45.466	0.143	2.084	174
200	1.660	34.144	1.650	27.335	32.021	36.592	41.053	45.409	0.162	1.642	198
250	1.699	34.210	1.686	27.385	32.069	36.639	41.099	45.453	0.199	1.623	248
300	1.867	34.274	1.851	27.423	32.102	36.667	41.122	45.471	0.234	1.403	297
350	2.028	34.329	2.009	27.456	32.130	36.689	41.139	45.485	0.267	1.603	347
400	2.206	34.394	2.187	27.494	32.162	36.717	41.162	45.502	0.299	1.453	396
450	2.275	34.435	2.249	27.521	32.187	36.740	41.183	45.521	0.329	1.244	446
500	2.233	34.464	2.209	27.548	32.216	36.769	41.213	45.552	0.359	1.477	495
550	2.292	34.509	2.260	27.580	32.245	36.798	41.239	45.576	0.387	1.193	545
600	2.222	34.528	2.187	27.601	32.268	36.821	41.265	45.604	0.413	1.275	594
650	2.269	34.560	2.231	27.623	32.288	36.840	41.283	45.621	0.440	1.094	644
700	2.138	34.575	2.097	27.645	32.315	36.870	41.316	45.657	0.465	1.205	693
750	2.174	34.602	2.130	27.665	32.333	36.887	41.332	45.672	0.489	0.989	742
800	2.179	34.617	2.131	27.676	32.345	36.899	41.343	45.683	0.513	0.832	792
850	2.148	34.634	2.097	27.693	32.362	36.917	41.362	45.703	0.536	1.066	841
900	2.130	34.647	2.076	27.705	32.374	36.929	41.375	45.716	0.558	0.864	891
950	2.094	34.655	2.038	27.714	32.385	36.941	41.388	45.730	0.581	0.805	940
1000	2.065	34.664	2.004	27.724	32.395	36.952	41.400	45.742	0.602	0.743	989
1050	2.045	34.671	1.981	27.732	32.403	36.961	41.409	45.753	0.624	0.960	1039
1100	2.002	34.684	1.935	27.745	32.418	36.977	41.426	45.771	0.645	0.820	1088
1150	1.984	34.693	1.913	27.754	32.428	36.987	41.437	45.782	0.666	0.774	1137
1200	1.949	34.699	1.875	27.762	32.436	36.997	41.447	45.793	0.686	0.656	1187
1250	1.924	34.703	1.847	27.767	32.443	37.004	41.455	45.802	0.706	0.664	1236
1300	1.886	34.707	1.806	27.774	32.450	37.012	41.465	45.812	0.726	0.730	1285
1350	1.859	34.710	1.775	27.779	32.456	37.019	41.473	45.821	0.746	0.672	1334
1400	1.812	34.713	1.729	27.784	32.463	37.028	41.482	45.832	0.765	0.603	1384
1450	1.770	34.717	1.680	27.792	32.472	37.037	41.493	45.844	0.784	0.596	1433
1500	1.735	34.719	1.642	27.796	32.477	37.043	41.500	45.852	0.803	0.573	1482
1600	1.662	34.721	1.562	27.804	32.487	37.056	41.515	45.868	0.841	0.578	1580
1700	1.572	34.723	1.468	27.812	32.498	37.070	41.531	45.887	0.878	0.622	1679
1800	1.470	34.724	1.357	27.820	32.509	37.084	41.548	45.907	0.914	0.641	1777
1900	1.388	34.723	1.268	27.826	32.518	37.095	41.562	45.923	0.949	0.529	1875
2000	1.305	34.722	1.179	27.831	32.526	37.105	41.574	45.938	0.984	0.625	1974
2100	1.201	34.719	1.069	27.837	32.534	37.117	41.589	45.955	1.018	0.596	2072
2200	1.115	34.717	0.976	27.841	32.541	37.126	41.601	45.970	1.051	0.511	2170
2300	1.025	34.715	0.879	27.845	32.549	37.137	41.614	45.985	1.084	0.563	2268
2400	0.941	34.713	0.809	27.848	32.554	37.143	41.623	45.996	1.116	0.521	2366
2500	0.879	34.709	0.720	27.851	32.559	37.151	41.633	46.009	1.148	0.537	2464
2600	0.791	34.705	0.629	27.854	32.564	37.160	41.644	46.022	1.179	0.580	2562
2700	0.699	34.701	0.526	27.856	32.570	37.168	41.655	46.036	1.210	0.536	2660
2800	0.645	34.699	0.465	27.858	32.573	37.173	41.662	46.045	1.240	0.402	2758
2900	0.600	34.697	0.412	27.859	32.576	37.178	41.668	46.052	1.269	0.417	2856
3000	0.559	34.694	0.363	27.860	32.579	37.182	41.673	46.059	1.298	0.362	2953
3100	0.536	34.693	0.332	27.861	32.581	37.184	41.677	46.063	1.327	0.359	3051
3200	0.511	34.691	0.298	27.861	32.582	37.187	41.680	46.067	1.356	0.294	3149
3300	0.486	34.689	0.264	27.862	32.583	37.189	41.684	46.072	1.385	0.242	3246
3400	0.464	34.688	0.234	27.862	32.585	37.191	41.687	46.075	1.413	0.247	3344
3500	0.466	34.688	0.226	27.863	32.585	37.192	41.688	46.077	1.442	0.190	3442
3600	0.461	34.687	0.212	27.863	32.586	37.193	41.689	46.078	1.471	0.215	3539
3700	0.454	34.686	0.199	27.863	32.587	37.195	41.691	46.081	1.499	0.251	3637
3800	0.451	34.686	0.182	27.863	32.587	37.195	41.692	46.082	1.528	0.207	3734
3900	0.441	34.685	0.162	27.864	32.588	37.197	41.694	46.085	1.557	0.290	3831
3989	0.430	34.683	0.142	27.863	32.588	37.198	41.696	46.087	1.583	0.265	3918



A2-107 188

STA-188 LAT= 54 34.5 S LON= 46 40.8 W SONIC DEPTH 3739 m STA-188
 DATE 19/ 8/80 GMT 1037 CTD# 8

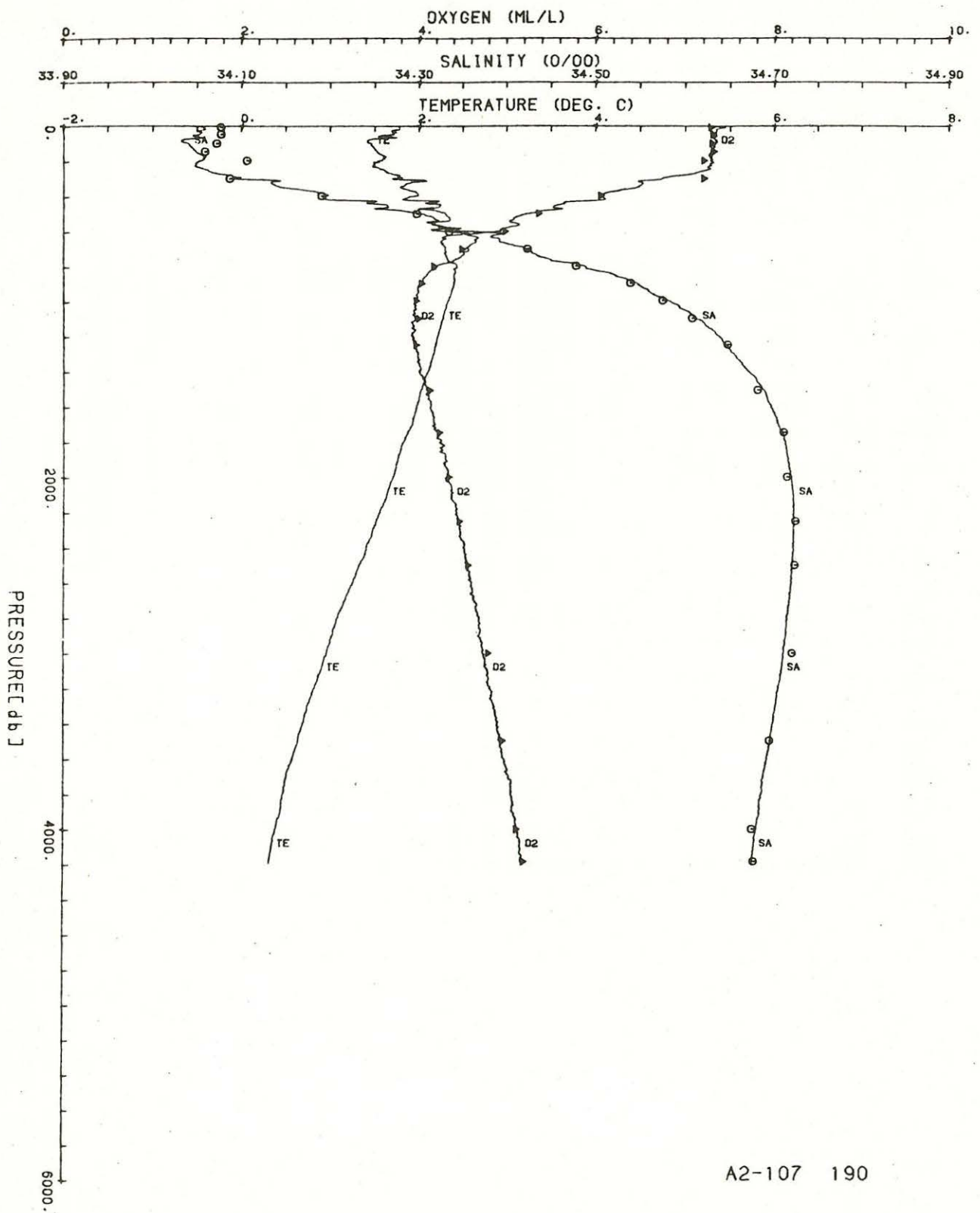
PR dbar	T Deg C	S o/oo	θ Deg C	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N cph	DE m
3	2.386	34.131	2.385	27.267	31.932	36.484	40.925	45.263	0.002	0.199	3
25	2.389	34.131	2.388	27.267	31.932	36.483	40.925	45.262	0.020	-0.194	25
50	2.394	34.132	2.391	27.267	31.932	36.483	40.925	45.262	0.041	-0.159	50
75	2.363	34.129	2.359	27.268	31.933	36.485	40.928	45.266	0.061	0.256	74
100	2.368	34.130	2.362	27.268	31.934	36.486	40.928	45.266	0.082	0.353	99
125	2.348	34.129	2.341	27.269	31.939	36.487	40.931	45.269	0.102	0.372	124
150	2.263	34.121	2.255	27.269	31.938	36.493	40.938	45.279	0.123	0.116	149
175	2.223	34.118	2.214	27.270	31.940	36.496	40.943	45.284	0.143	0.479	173
200	2.153	34.112	2.142	27.272	31.944	36.502	40.950	45.294	0.163	0.474	198
250	2.435	34.159	2.421	27.286	31.950	36.500	40.941	45.277	0.204	1.413	248
300	2.551	34.219	2.534	27.325	31.985	36.531	40.969	45.302	0.244	1.426	297
350	2.451	34.241	2.430	27.351	32.014	36.563	41.003	45.338	0.282	1.403	347
400	2.345	34.262	2.322	27.377	32.043	36.595	41.037	45.375	0.320	1.871	396
450	2.350	34.321	2.324	27.424	32.089	36.641	41.083	45.420	0.355	1.715	446
500	2.399	34.372	2.370	27.461	32.125	36.674	41.115	45.450	0.388	1.262	495
550	2.454	34.425	2.421	27.499	32.160	36.708	41.147	45.481	0.420	1.388	545
600	2.387	34.439	2.351	27.516	32.180	36.729	41.169	45.505	0.451	1.162	594
650	2.332	34.474	2.293	27.549	32.214	36.764	41.206	45.543	0.481	1.429	644
700	2.332	34.504	2.290	27.573	32.238	36.788	41.230	45.566	0.510	1.267	693
750	2.324	34.532	2.278	27.597	32.261	36.812	41.254	45.590	0.537	1.045	742
800	2.308	34.551	2.259	27.613	32.278	36.830	41.271	45.609	0.564	1.054	792
850	2.289	34.568	2.237	27.628	32.294	36.845	41.287	45.625	0.591	0.870	841
900	2.279	34.576	2.224	27.636	32.302	36.854	41.296	45.634	0.617	0.903	891
950	2.261	34.592	2.202	27.650	32.317	36.869	41.312	45.650	0.642	1.014	940
1000	2.240	34.606	2.178	27.664	32.331	36.883	41.327	45.666	0.667	0.987	989
1050	2.210	34.623	2.144	27.680	32.348	36.902	41.346	45.685	0.691	1.035	1039
1100	2.178	34.637	2.109	27.694	32.363	36.917	41.362	45.702	0.715	0.938	1088
1150	2.141	34.651	2.069	27.708	32.378	36.939	41.379	45.720	0.738	1.100	1137
1200	2.096	34.665	2.020	27.724	32.395	36.951	41.398	45.741	0.761	0.860	1187
1250	2.059	34.676	1.980	27.735	32.407	36.965	41.413	45.756	0.783	0.809	1236
1300	2.029	34.684	1.947	27.744	32.417	36.975	41.424	45.768	0.804	0.696	1285
1350	2.022	34.686	1.936	27.747	32.420	36.979	41.428	45.772	0.825	0.584	1334
1400	2.001	34.690	1.912	27.752	32.426	36.985	41.435	45.780	0.847	0.518	1384
1450	1.989	34.693	1.897	27.755	32.429	36.989	41.439	45.785	0.868	0.441	1433
1500	1.984	34.695	1.888	27.758	32.432	36.992	41.442	45.788	0.889	0.363	1482
1600	1.967	34.697	1.863	27.761	32.436	36.997	41.448	45.794	0.932	0.379	1580
1700	1.948	34.700	1.837	27.766	32.441	37.003	41.455	45.801	0.974	0.428	1679
1800	1.934	34.704	1.814	27.770	32.447	37.009	41.461	45.808	1.016	0.525	1777
1900	1.896	34.707	1.769	27.776	32.454	37.017	41.471	45.819	1.059	0.496	1875
2000	1.864	34.711	1.729	27.782	32.461	37.025	41.480	45.829	1.101	0.513	1974
2100	1.817	34.715	1.675	27.790	32.470	37.036	41.492	45.843	1.142	0.596	2072
2200	1.769	34.718	1.619	27.797	32.479	37.046	41.503	45.855	1.183	0.446	2170
2300	1.739	34.720	1.581	27.801	32.484	37.052	41.510	45.864	1.224	0.435	2268
2400	1.712	34.721	1.546	27.805	32.488	37.058	41.517	45.871	1.265	0.548	2366
2500	1.630	34.723	1.456	27.813	32.499	37.071	41.533	45.889	1.305	0.705	2464
2600	1.528	34.724	1.348	27.821	32.511	37.085	41.550	45.909	1.344	0.779	2562
2700	1.398	34.724	1.211	27.830	32.524	37.102	41.571	45.933	1.383	0.697	2660
2800	1.339	34.723	1.144	27.834	32.530	37.110	41.580	45.944	1.420	0.624	2758
2900	1.236	34.721	1.034	27.840	32.539	37.122	41.595	45.962	1.456	0.573	2856
3000	1.165	34.719	0.955	27.844	32.545	37.131	41.606	45.975	1.492	0.716	2953
3100	1.068	34.716	0.851	27.848	32.552	37.141	41.619	45.991	1.527	0.590	3051
3200	0.978	34.712	0.754	27.851	32.558	37.150	41.630	46.005	1.561	0.606	3149
3300	0.894	34.709	0.663	27.854	32.564	37.158	41.641	46.019	1.594	0.684	3246
3400	0.831	34.706	0.592	27.856	32.568	37.164	41.649	46.028	1.626	0.533	3344
3500	0.736	34.702	0.489	27.859	32.574	37.173	41.661	46.043	1.658	0.541	3442
3600	0.628	34.696	0.374	27.861	32.579	37.181	41.673	46.058	1.689	0.630	3539
3700	0.584	34.693	0.322	27.862	32.582	37.186	41.679	46.065	1.719	0.408	3637
3745	0.559	34.692	0.292	27.862	32.583	37.188	41.681	46.068	1.733	0.216	3680



A2-107 189

STA-189 LAT= 55 29.7 S LON= 47 51.4 W SONIC DEPTH 3480 m STA-189
 DATE 19/ 8/80 GMT 1922 CTD# 8

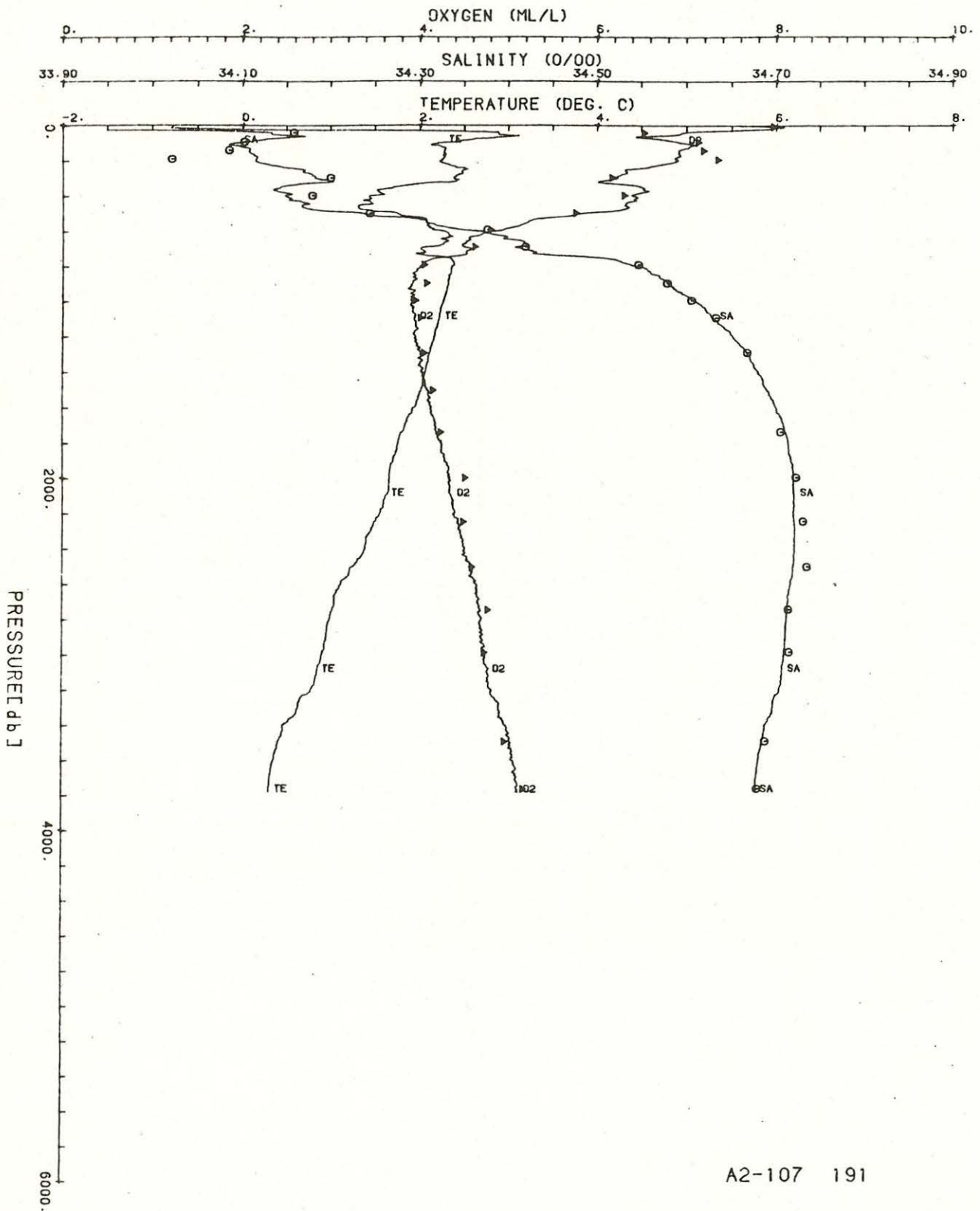
PR	T	S	σ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HTH	N	DF
dbar	Dec C	o/oo	Dec C							dbh	m
3	-0.634	33.731	-0.636	27.132	31.889	36.530	41.058	45.478	0.003	1.245	3
25	-0.643	33.738	-0.643	27.138	31.895	36.538	41.064	45.484	0.023	0.318	25
50	-0.617	33.741	-0.617	27.139	31.896	36.535	41.063	45.483	0.047	0.211	50
75	-0.131	33.801	-0.134	27.167	31.908	36.533	41.046	45.457	0.070	2.050	74
100	0.642	33.921	0.638	27.223	31.940	36.541	41.032	45.415	0.092	2.669	99
125	1.023	33.994	1.019	27.257	31.963	36.553	41.032	45.406	0.113	1.392	124
150	1.028	34.003	1.022	27.264	31.969	36.559	41.039	45.412	0.133	0.640	140
175	1.121	34.014	1.113	27.268	31.970	36.557	41.034	45.405	0.154	0.595	173
200	1.129	34.021	1.120	27.273	31.975	36.562	41.038	45.409	0.174	0.988	199
250	1.239	34.058	1.227	27.295	31.994	36.577	41.051	45.418	0.214	1.250	248
300	1.875	34.161	1.860	27.333	32.012	36.577	41.033	45.383	0.253	1.433	297
350	1.696	34.178	1.678	27.360	32.044	36.614	41.074	45.429	0.291	1.326	347
400	1.861	34.225	1.839	27.385	32.065	36.630	41.086	45.436	0.327	1.241	396
450	1.930	34.262	1.905	27.410	32.088	36.651	41.104	45.453	0.363	1.245	446
500	2.107	34.317	2.079	27.441	32.113	36.671	41.119	45.463	0.397	1.497	495
550	2.210	34.375	2.178	27.479	32.148	36.702	41.148	45.488	0.430	1.353	545
600	2.216	34.412	2.181	27.508	32.177	36.731	41.176	45.516	0.461	1.193	594
650	2.363	34.457	2.324	27.532	32.196	36.746	41.187	45.524	0.492	1.261	644
700	2.358	34.485	2.315	27.556	32.220	36.770	41.211	45.547	0.521	1.191	693
750	2.379	34.520	2.333	27.583	32.246	36.799	41.235	45.571	0.550	1.334	742
800	2.351	34.546	2.302	27.605	32.269	36.819	41.260	45.596	0.577	1.093	792
850	2.329	34.564	2.277	27.622	32.286	36.837	41.278	45.615	0.604	1.091	841
900	2.306	34.581	2.251	27.638	32.303	36.854	41.296	45.633	0.630	0.889	891
950	2.288	34.597	2.229	27.652	32.318	36.869	41.312	45.649	0.655	0.955	940
1000	2.256	34.611	2.194	27.667	32.333	36.885	41.328	45.667	0.680	0.956	989
1050	2.222	34.625	2.157	27.680	32.347	36.901	41.345	45.684	0.704	0.886	1039
1100	2.192	34.639	2.123	27.694	32.363	36.917	41.361	45.701	0.728	0.996	1088
1150	2.165	34.652	2.093	27.707	32.376	36.931	41.376	45.717	0.751	0.836	1137
1200	2.135	34.664	2.060	27.719	32.389	36.949	41.391	45.732	0.774	0.886	1186
1250	2.108	34.674	2.029	27.730	32.401	36.957	41.404	45.746	0.796	0.895	1236
1300	2.051	34.682	1.969	27.741	32.413	36.971	41.420	45.763	0.818	0.887	1285
1350	2.030	34.689	1.944	27.748	32.421	36.980	41.429	45.773	0.839	0.650	1334
1400	1.999	34.694	1.910	27.755	32.429	36.988	41.438	45.783	0.861	0.666	1384
1450	1.959	34.698	1.875	27.761	32.436	36.996	41.447	45.792	0.882	0.734	1433
1500	1.937	34.702	1.841	27.767	32.443	37.004	41.456	45.802	0.902	0.762	1482
1600	1.857	34.711	1.759	27.781	32.459	37.023	41.476	45.825	0.943	0.700	1580
1700	1.772	34.717	1.663	27.792	32.473	37.039	41.495	45.846	0.982	0.607	1679
1800	1.700	34.721	1.584	27.802	32.484	37.053	41.511	45.864	1.021	0.697	1777
1900	1.609	34.723	1.488	27.811	32.496	37.067	41.528	45.883	1.059	0.611	1875
2000	1.538	34.724	1.409	27.817	32.504	37.077	41.540	45.898	1.097	0.627	1974
2100	1.438	34.723	1.302	27.824	32.515	37.091	41.556	45.917	1.133	0.586	2072
2200	1.348	34.722	1.205	27.830	32.523	37.102	41.571	45.933	1.169	0.592	2170
2300	1.266	34.720	1.116	27.834	32.530	37.111	41.582	45.948	1.204	0.657	2268
2400	1.184	34.718	1.027	27.838	32.537	37.121	41.594	45.962	1.239	0.447	2366
2500	1.120	34.716	0.954	27.841	32.542	37.128	41.603	45.973	1.273	0.590	2464
2600	1.033	34.714	0.862	27.846	32.549	37.138	41.616	45.987	1.306	0.576	2562
2700	0.902	34.705	0.729	27.847	32.555	37.147	41.629	46.005	1.339	0.609	2660
2800	0.837	34.703	0.653	27.850	32.560	37.154	41.638	46.015	1.371	0.548	2758
2900	0.769	34.703	0.577	27.854	32.566	37.163	41.649	46.029	1.403	0.464	2855
3000	0.736	34.701	0.536	27.855	32.569	37.166	41.653	46.034	1.434	0.353	2953
3100	0.702	34.699	0.494	27.856	32.571	37.170	41.658	46.040	1.465	0.537	3051
3200	0.586	34.693	0.372	27.859	32.577	37.180	41.671	46.056	1.495	0.605	3149
3300	0.514	34.689	0.292	27.860	32.581	37.186	41.679	46.067	1.524	0.548	3246
3400	0.456	34.686	0.226	27.861	32.584	37.191	41.686	46.075	1.553	0.446	3344
3477	0.389	34.683	0.153	27.862	32.587	37.198	41.694	46.085	1.575	0.663	3419



A2-107 190

STA-190 LAT= 55 31.3 S LON= 49 33.2 W SONIC DEPTH 4174 m STA-190
 DATE 20/ 8/80 GMT 1605 CTD# 8

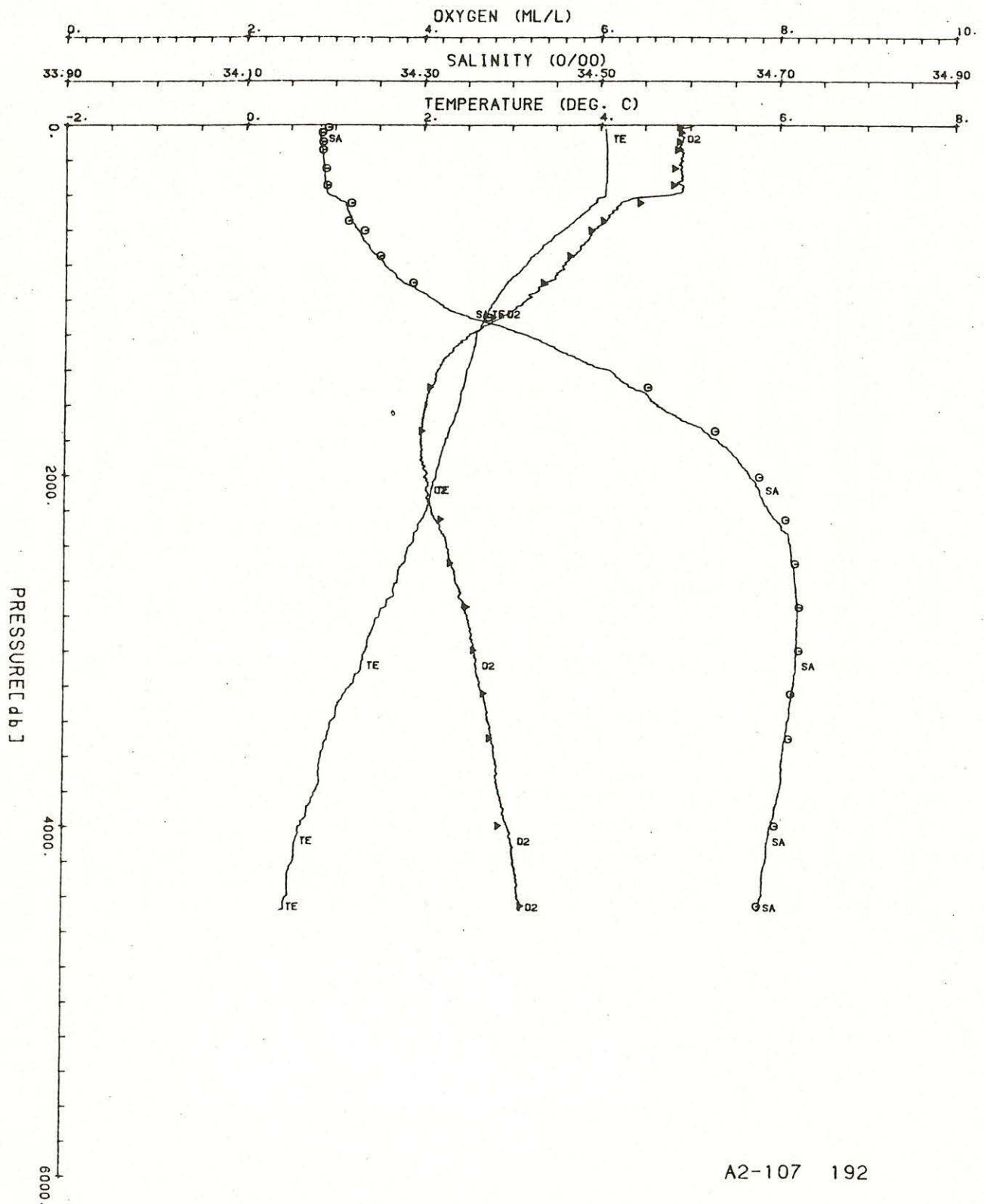
PR	T	S	σ _t	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGT	N	DF
dbar	Deg C	o/oo	Deg C	Deg C							coh	m
3	1.779	34.054	1.779	27.253	31.936	36.504	40.962	45.316	0.002	1.044	3	
25	1.719	34.054	1.718	27.257	31.942	36.512	40.972	45.327	0.021	0.352	25	
50	1.650	34.049	1.648	27.259	31.949	36.517	40.979	45.336	0.041	0.532	50	
75	1.477	34.036	1.473	27.261	31.953	36.530	40.998	45.358	0.062	0.692	74	
100	1.450	34.040	1.449	27.266	31.958	36.536	41.004	45.366	0.082	0.686	99	
125	1.499	34.045	1.484	27.267	31.959	36.535	41.002	45.363	0.103	0.353	124	
150	1.534	34.050	1.527	27.268	31.958	36.534	40.999	45.359	0.123	0.407	149	
175	1.610	34.059	1.602	27.270	31.958	36.531	40.994	45.352	0.144	0.368	173	
200	1.538	34.052	1.529	27.270	31.960	36.535	41.000	45.360	0.164	0.306	198	
250	1.609	34.062	1.598	27.273	31.961	36.534	40.998	45.356	0.205	0.627	248	
300	1.819	34.108	1.804	27.295	31.976	36.543	41.001	45.353	0.245	1.388	297	
350	1.812	34.152	1.794	27.331	32.012	36.579	41.037	45.389	0.284	1.515	347	
400	1.901	34.194	1.880	27.357	32.036	36.600	41.055	45.405	0.322	1.352	396	
450	2.238	34.265	2.213	27.388	32.057	36.611	41.057	45.397	0.359	1.209	446	
500	2.310	34.306	2.281	27.415	32.082	36.634	41.078	45.416	0.394	1.019	495	
550	2.169	34.314	2.137	27.433	32.104	36.660	41.107	45.449	0.429	1.253	545	
600	2.421	34.378	2.386	27.464	32.127	36.676	41.116	45.452	0.463	1.389	594	
650	2.258	34.392	2.220	27.489	32.157	36.710	41.154	45.494	0.495	1.133	644	
700	2.294	34.422	2.252	27.511	32.177	36.729	41.172	45.511	0.526	1.013	693	
750	2.321	34.445	2.276	27.527	32.193	36.744	41.186	45.524	0.557	1.080	742	
800	2.431	34.489	2.381	27.554	32.216	36.764	41.203	45.538	0.587	1.222	792	
850	2.399	34.522	2.347	27.583	32.246	36.795	41.234	45.570	0.616	1.246	841	
900	2.397	34.548	2.341	27.603	32.266	36.815	41.255	45.590	0.644	1.044	891	
950	2.368	34.562	2.308	27.618	32.282	36.831	41.272	45.608	0.671	1.020	940	
1000	2.327	34.584	2.264	27.639	32.304	36.854	41.296	45.633	0.697	1.141	989	
1050	2.296	34.601	2.230	27.655	32.321	36.872	41.314	45.652	0.723	1.055	1039	
1100	2.272	34.614	2.202	27.668	32.334	36.886	41.329	45.667	0.748	0.997	1088	
1150	2.243	34.627	2.170	27.681	32.348	36.901	41.344	45.683	0.772	0.950	1137	
1200	2.213	34.639	2.137	27.693	32.361	36.914	41.359	45.698	0.796	0.845	1186	
1250	2.189	34.647	2.109	27.702	32.370	36.925	41.370	45.710	0.820	0.815	1236	
1300	2.166	34.655	2.082	27.711	32.380	36.935	41.381	45.721	0.843	0.811	1285	
1350	2.135	34.664	2.049	27.721	32.391	36.946	41.393	45.735	0.866	0.792	1334	
1400	2.103	34.672	2.013	27.730	32.401	36.957	41.405	45.747	0.889	0.931	1384	
1450	2.064	34.681	1.970	27.740	32.412	36.970	41.419	45.762	0.911	0.718	1433	
1500	2.030	34.688	1.933	27.749	32.422	36.981	41.430	45.775	0.933	0.721	1482	
1600	1.978	34.698	1.872	27.761	32.436	36.997	41.447	45.793	0.976	0.699	1580	
1700	1.925	34.706	1.814	27.772	32.449	37.011	41.463	45.810	1.018	0.728	1679	
1800	1.827	34.714	1.709	27.787	32.466	37.031	41.486	45.836	1.059	0.697	1777	
1900	1.762	34.718	1.637	27.795	32.476	37.043	41.500	45.852	1.099	0.679	1875	
2000	1.708	34.722	1.579	27.803	32.486	37.054	41.513	45.866	1.139	0.644	1974	
2100	1.638	34.724	1.498	27.810	32.495	37.066	41.526	45.882	1.177	0.671	2072	
2200	1.557	34.724	1.411	27.817	32.505	37.078	41.541	45.898	1.216	0.616	2170	
2300	1.480	34.724	1.326	27.823	32.513	37.088	41.553	45.913	1.253	0.543	2268	
2400	1.408	34.724	1.249	27.828	32.521	37.098	41.565	45.927	1.290	0.547	2366	
2500	1.327	34.723	1.159	27.833	32.528	37.108	41.578	45.942	1.327	0.645	2464	
2600	1.251	34.722	1.076	27.838	32.539	37.118	41.590	45.956	1.362	0.616	2562	
2700	1.164	34.719	0.982	27.842	32.542	37.127	41.602	45.970	1.397	0.586	2660	
2800	1.083	34.717	0.893	27.846	32.549	37.136	41.613	45.984	1.431	0.547	2758	
2900	1.021	34.715	0.824	27.849	32.554	37.143	41.622	45.995	1.465	0.491	2855	
3000	0.959	34.713	0.754	27.852	32.558	37.150	41.631	46.005	1.498	0.556	2953	
3100	0.896	34.710	0.683	27.854	32.563	37.156	41.639	46.016	1.531	0.528	3051	
3200	0.821	34.707	0.600	27.856	32.568	37.164	41.649	46.027	1.563	0.548	3149	
3300	0.744	34.703	0.516	27.859	32.573	37.171	41.658	46.039	1.595	0.526	3246	
3400	0.695	34.700	0.458	27.860	32.575	37.175	41.664	46.047	1.626	0.492	3344	
3500	0.638	34.697	0.393	27.861	32.578	37.180	41.671	46.056	1.656	0.471	3441	
3600	0.576	34.693	0.323	27.862	32.581	37.185	41.678	46.065	1.687	0.537	3539	
3700	0.506	34.689	0.249	27.863	32.585	37.191	41.686	46.075	1.716	0.453	3636	
3800	0.468	34.687	0.199	27.864	32.587	37.195	41.691	46.081	1.745	0.416	3734	
3900	0.441	34.684	0.162	27.863	32.588	37.197	41.694	46.085	1.774	0.462	3831	
4000	0.384	34.682	0.097	27.865	32.591	37.202	41.701	46.094	1.802	0.483	3928	
4100	0.340	34.679	0.044	27.865	32.593	37.205	41.706	46.100	1.830	0.416	4026	
4195	0.313	34.677	0.008	27.865	32.595	37.208	41.710	46.105	1.856	0.351	4118	



A2-107 191

STA-191 LAT= 55 11.0 S LON= 50 13.3 W SONIC DEPTH 3786 m STA-191
 DATE 21/ 8/81 GMT 14 CTD# 8

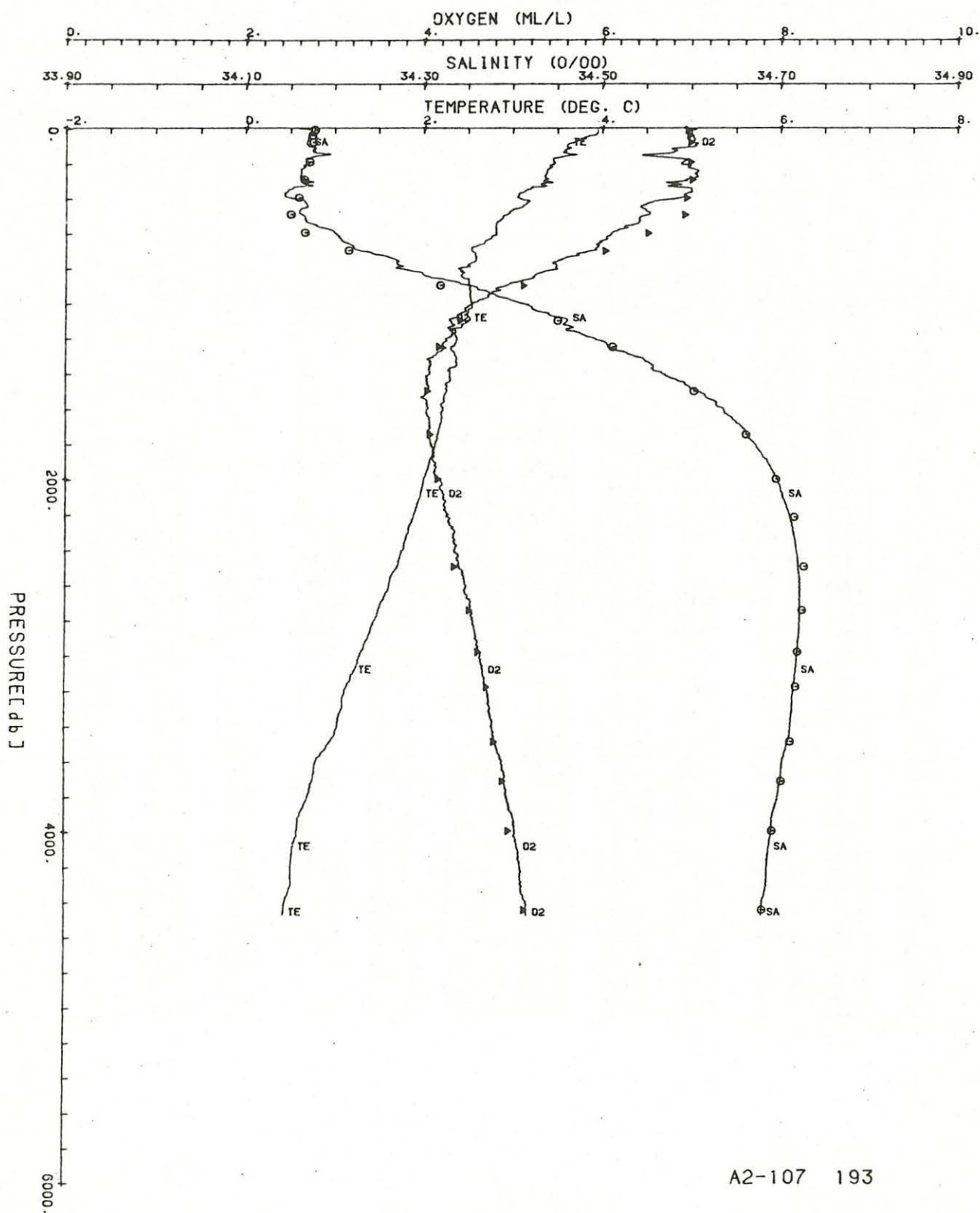
PR	T	S	A	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							coh	m
3	-0.772	33.680	-0.772	27.096	31.858	36.503	41.035	45.460	0.003	2.051	3
25	0.613	33.888	0.612	27.197	31.915	36.518	41.009	45.394	0.024	4.315	25
50	2.917	34.137	2.914	27.226	31.877	36.414	40.842	45.166	0.045	1.273	50
75	2.698	34.135	2.692	27.244	31.901	36.444	40.878	45.207	0.046	1.021	74
100	2.261	34.095	2.259	27.249	31.918	36.473	40.918	45.259	0.087	0.766	99
125	2.260	34.103	2.254	27.255	31.924	36.479	40.925	45.266	0.108	0.819	124
150	2.271	34.108	2.263	27.259	31.927	36.482	40.927	45.268	0.129	0.566	149
175	2.275	34.116	2.269	27.265	31.934	36.488	40.933	45.274	0.149	0.819	173
200	2.236	34.115	2.229	27.268	31.937	36.493	40.939	45.280	0.170	0.866	198
250	2.511	34.169	2.497	27.288	31.950	36.498	40.936	45.270	0.211	1.232	248
300	2.387	34.185	2.370	27.312	31.977	36.528	40.970	45.307	0.251	1.375	297
350	1.721	34.144	1.703	27.331	32.015	36.584	41.044	45.399	0.290	1.163	347
400	1.455	34.150	1.439	27.355	32.047	36.624	41.091	45.452	0.327	1.220	396
450	1.362	34.170	1.340	27.378	32.072	36.652	41.121	45.485	0.364	1.084	446
500	1.764	34.240	1.737	27.405	32.088	36.658	41.114	45.467	0.399	1.376	495
550	2.078	34.309	2.047	27.437	32.110	36.669	41.118	45.463	0.434	1.124	545
600	2.275	34.369	2.240	27.469	32.136	36.689	41.133	45.472	0.467	1.272	594
650	2.298	34.410	2.259	27.500	32.166	36.719	41.161	45.500	0.500	1.481	644
700	2.020	34.416	1.980	27.527	32.202	36.761	41.212	45.557	0.530	1.431	693
750	2.317	34.504	2.271	27.575	32.240	36.791	41.233	45.570	0.560	1.633	742
800	2.368	34.548	2.319	27.606	32.269	36.819	41.259	45.595	0.587	1.397	792
850	2.335	34.569	2.282	27.626	32.290	36.840	41.282	45.618	0.614	1.058	841
900	2.321	34.582	2.269	27.637	32.302	36.852	41.294	45.631	0.640	0.796	891
950	2.297	34.596	2.238	27.651	32.316	36.867	41.309	45.647	0.665	1.048	940
1000	2.265	34.612	2.209	27.666	32.332	36.889	41.327	45.665	0.690	1.000	989
1050	2.234	34.623	2.168	27.678	32.345	36.898	41.341	45.680	0.714	0.793	1039
1100	2.217	34.632	2.148	27.687	32.354	36.907	41.352	45.691	0.738	0.824	1088
1150	2.190	34.643	2.117	27.698	32.366	36.920	41.365	45.705	0.762	0.966	1137
1200	2.164	34.652	2.088	27.708	32.377	36.932	41.377	45.718	0.785	0.734	1187
1250	2.133	34.661	2.054	27.717	32.387	36.943	41.389	45.731	0.808	0.855	1236
1300	2.106	34.669	2.023	27.727	32.397	36.954	41.401	45.743	0.831	0.778	1285
1350	2.083	34.675	1.997	27.733	32.409	36.962	41.410	45.752	0.853	0.697	1334
1400	2.059	34.681	1.969	27.740	32.412	36.970	41.418	45.762	0.875	0.750	1384
1450	2.038	34.686	1.945	27.746	32.419	36.978	41.427	45.771	0.897	0.465	1433
1500	2.015	34.690	1.919	27.752	32.425	36.984	41.434	45.779	0.918	0.770	1482
1600	1.935	34.701	1.831	27.767	32.443	37.004	41.456	45.803	0.961	0.808	1580
1700	1.838	34.710	1.727	27.782	32.461	37.025	41.480	45.829	1.002	0.700	1679
1800	1.762	34.715	1.649	27.793	32.474	37.040	41.497	45.848	1.042	0.520	1777
1900	1.707	34.719	1.583	27.800	32.483	37.051	41.509	45.862	1.081	0.666	1875
2000	1.668	34.721	1.536	27.805	32.489	37.059	41.518	45.873	1.120	0.294	1974
2100	1.624	34.722	1.484	27.810	32.496	37.066	41.527	45.883	1.159	0.607	2072
2200	1.560	34.722	1.414	27.815	32.502	37.075	41.538	45.895	1.197	0.682	2170
2300	1.460	34.723	1.307	27.823	32.514	37.090	41.556	45.916	1.234	0.674	2268
2400	1.395	34.723	1.234	27.828	32.521	37.099	41.568	45.928	1.271	0.514	2366
2500	1.257	34.721	1.099	27.837	32.534	37.116	41.587	45.953	1.307	0.775	2464
2600	1.125	34.718	0.952	27.843	32.544	37.130	41.605	45.975	1.342	0.717	2562
2700	1.049	34.715	0.869	27.846	32.550	37.138	41.616	45.987	1.375	0.363	2660
2800	0.997	34.713	0.809	27.849	32.554	37.144	41.623	45.996	1.409	0.499	2758
2900	0.959	34.713	0.763	27.851	32.557	37.149	41.629	46.004	1.441	0.395	2855
3000	0.909	34.711	0.709	27.853	32.561	37.154	41.637	46.013	1.474	0.500	2953
3100	0.854	34.708	0.642	27.855	32.565	37.160	41.644	46.021	1.506	0.465	3051
3200	0.787	34.705	0.567	27.857	32.569	37.166	41.652	46.032	1.538	0.777	3149
3300	0.640	34.698	0.419	27.860	32.577	37.178	41.669	46.053	1.569	0.499	3246
3400	0.477	34.699	0.246	27.863	32.585	37.191	41.686	46.074	1.599	0.724	3344
3500	0.413	34.686	0.174	27.864	32.588	37.196	41.693	46.084	1.627	0.529	3441
3600	0.364	34.682	0.117	27.864	32.590	37.200	41.699	46.091	1.655	0.468	3539
3700	0.321	34.679	0.069	27.865	32.592	37.204	41.704	46.097	1.682	0.320	3636
3781	0.313	34.678	0.049	27.864	32.592	37.204	41.705	46.099	1.704	0.260	3715



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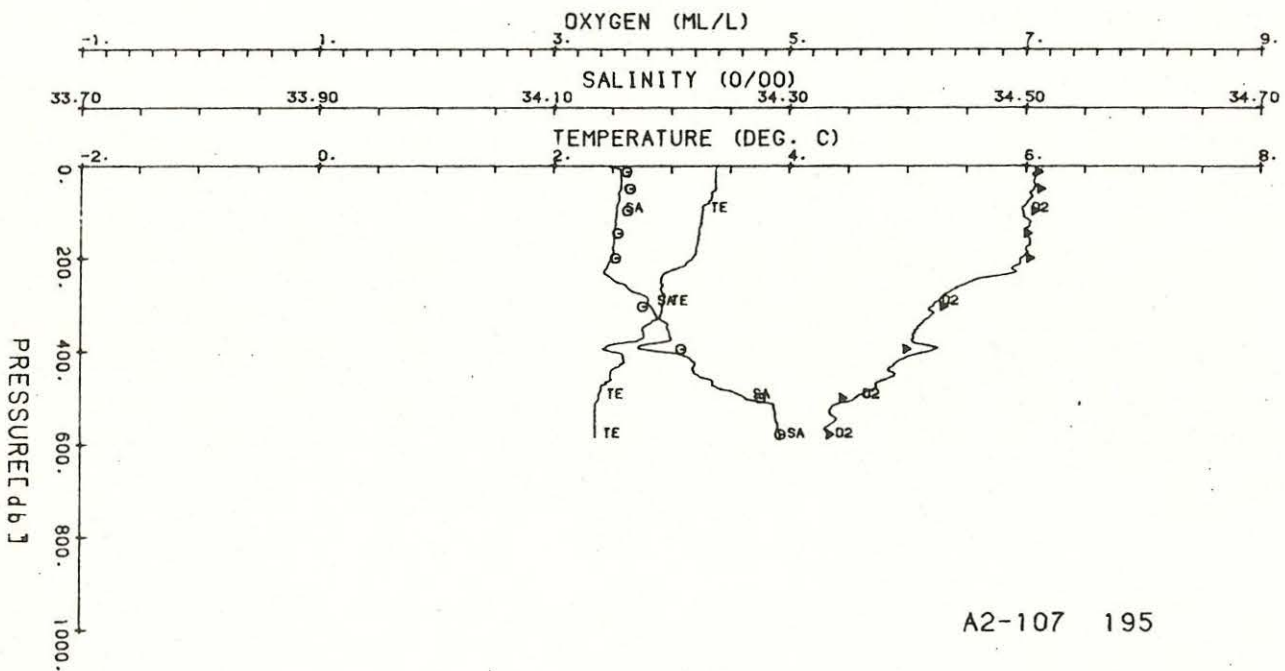
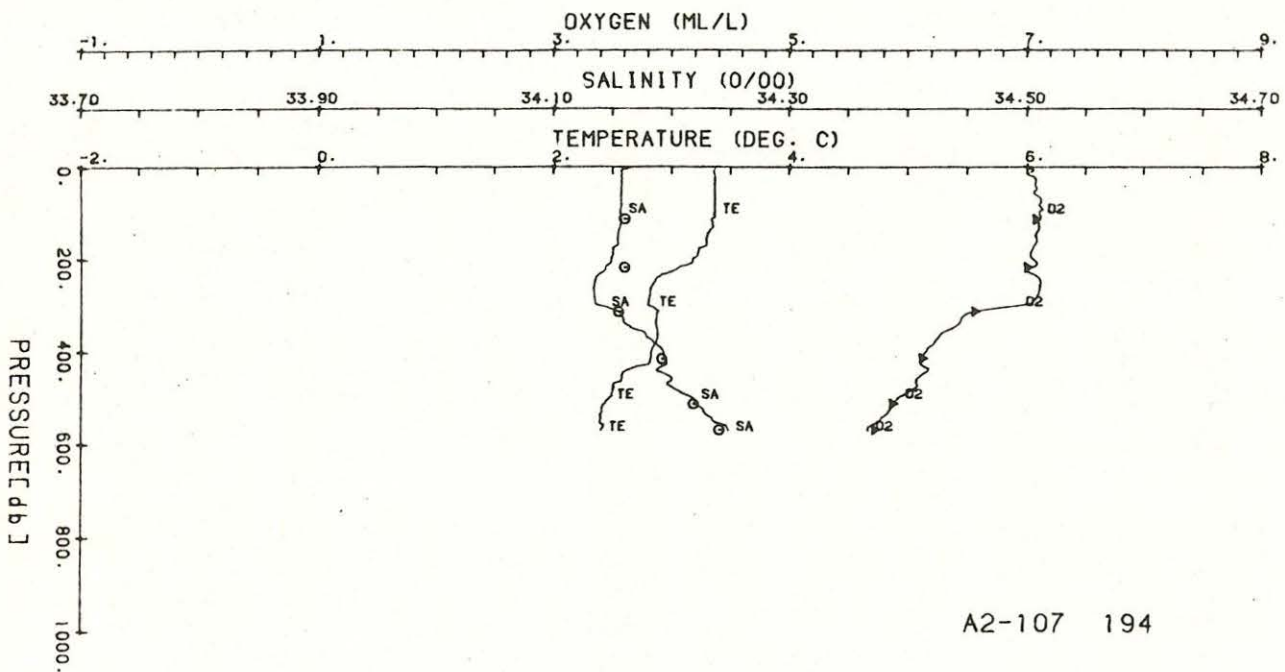
STA-192 LAT= 54 46.9 S LON= 50 57.1 W SONIC DEPTH 4582 m STA-192
 DATE 21/ 8/80 GMT 1110 CTD# 8

PR dbar	T Deg C	S o/oo	# Deg C	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	H6TH	N cph	DE m
7	4.055	34.183	4.059	27.153	31.772	36.279	40.678	44.974	0.006	-0.338	7
25	4.058	34.183	4.057	27.153	31.772	36.278	40.677	44.974	0.023	-0.244	25
50	4.064	34.183	4.060	27.152	31.771	36.278	40.677	44.973	0.046	0.154	50
75	4.067	34.183	4.062	27.152	31.771	36.278	40.676	44.972	0.069	0.241	74
100	4.073	34.185	4.066	27.153	31.772	36.278	40.677	44.973	0.093	0.374	99
125	4.076	34.185	4.067	27.153	31.772	36.278	40.677	44.973	0.116	0.138	124
150	4.077	34.185	4.067	27.153	31.772	36.279	40.677	44.973	0.139	0.258	149
175	4.075	34.186	4.063	27.155	31.773	36.280	40.679	44.975	0.163	0.173	174
200	4.077	34.186	4.063	27.155	31.774	36.280	40.679	44.975	0.186	0.271	198
250	4.077	34.187	4.060	27.156	31.775	36.282	40.680	44.977	0.233	0.299	248
300	4.077	34.188	4.059	27.157	31.776	36.283	40.682	44.978	0.281	0.271	297
350	4.065	34.190	4.040	27.160	31.780	36.287	40.686	44.983	0.328	0.384	347
400	4.061	34.195	4.033	27.165	31.785	36.292	40.691	44.988	0.375	1.266	396
450	3.932	34.213	3.900	27.193	31.816	36.326	40.729	45.028	0.422	1.107	446
500	3.818	34.216	3.783	27.207	31.833	36.347	40.752	45.055	0.468	1.092	495
550	3.703	34.220	3.664	27.222	31.851	36.368	40.776	45.081	0.514	1.058	545
600	3.579	34.227	3.538	27.240	31.873	36.392	40.804	45.112	0.559	1.191	594
650	3.455	34.232	3.410	27.257	31.893	36.416	40.830	45.142	0.603	1.039	644
700	3.346	34.240	3.298	27.273	31.912	36.438	40.855	45.169	0.646	0.930	693
750	3.231	34.250	3.181	27.292	31.934	36.463	40.883	45.200	0.689	1.163	743
800	3.159	34.257	3.109	27.305	31.949	36.480	40.902	45.221	0.731	1.007	792
850	3.062	34.269	3.009	27.323	31.970	36.504	40.928	45.249	0.773	1.143	841
900	2.948	34.279	2.888	27.342	31.992	36.528	40.956	45.279	0.813	1.228	891
950	2.875	34.298	2.812	27.364	32.016	36.554	40.984	45.309	0.853	1.202	940
1000	2.814	34.314	2.748	27.382	32.036	36.576	41.007	45.333	0.892	1.133	990
1050	2.749	34.328	2.679	27.400	32.055	36.596	41.029	45.358	0.930	1.154	1039
1100	2.707	34.353	2.628	27.424	32.081	36.623	41.057	45.387	0.967	1.401	1088
1150	2.652	34.390	2.579	27.458	32.116	36.660	41.095	45.425	1.003	1.374	1137
1200	2.601	34.419	2.521	27.485	32.144	36.689	41.125	45.457	1.038	1.283	1187
1250	2.589	34.441	2.506	27.505	32.164	36.709	41.145	45.477	1.072	1.087	1236
1300	2.560	34.462	2.473	27.524	32.184	36.730	41.166	45.499	1.104	1.180	1285
1350	2.534	34.483	2.444	27.544	32.204	36.751	41.188	45.521	1.137	1.173	1335
1400	2.491	34.513	2.397	27.571	32.233	36.781	41.219	45.553	1.168	1.250	1384
1450	2.476	34.524	2.379	27.582	32.243	36.792	41.230	45.565	1.198	0.903	1433
1500	2.452	34.540	2.350	27.596	32.259	36.808	41.247	45.582	1.228	1.128	1482
1600	2.410	34.567	2.301	27.622	32.286	36.836	41.277	45.613	1.286	0.968	1581
1700	2.339	34.603	2.223	27.658	32.324	36.879	41.318	45.655	1.341	1.164	1679
1800	2.258	34.634	2.139	27.690	32.358	36.912	41.356	45.696	1.394	0.996	1778
1900	2.197	34.656	2.066	27.712	32.382	36.938	41.384	45.725	1.444	0.793	1876
2000	2.153	34.670	2.014	27.728	32.399	36.959	41.403	45.745	1.493	0.792	1974
2100	2.097	34.681	1.950	27.742	32.415	36.973	41.422	45.766	1.541	0.628	2072
2200	2.045	34.692	1.890	27.755	32.430	36.990	41.440	45.786	1.588	0.854	2170
2300	1.956	34.706	1.794	27.774	32.451	37.014	41.466	45.814	1.633	0.886	2268
2400	1.858	34.716	1.689	27.790	32.470	37.035	41.491	45.841	1.676	0.772	2366
2500	1.789	34.719	1.612	27.798	32.480	37.047	41.505	45.857	1.719	0.782	2464
2600	1.728	34.721	1.543	27.805	32.489	37.058	41.518	45.872	1.761	0.641	2562
2700	1.627	34.724	1.439	27.815	32.502	37.074	41.536	45.893	1.802	0.807	2660
2800	1.427	34.725	1.328	27.823	32.513	37.088	41.554	45.913	1.841	0.703	2758
2900	1.429	34.724	1.222	27.830	32.523	37.101	41.569	45.931	1.880	0.653	2856
3000	1.369	34.724	1.159	27.834	32.529	37.109	41.579	45.943	1.918	0.580	2954
3100	1.325	34.723	1.102	27.837	32.534	37.116	41.587	45.952	1.956	0.636	3052
3200	1.202	34.720	0.973	27.843	32.544	37.129	41.604	45.973	1.992	0.798	3149
3300	1.069	34.717	0.833	27.850	32.554	37.144	41.622	45.995	2.028	0.671	3247
3400	0.986	34.714	0.743	27.853	32.560	37.152	41.633	46.008	2.062	0.651	3344
3500	0.942	34.712	0.690	27.855	32.564	37.157	41.639	46.016	2.096	0.530	3442
3600	0.877	34.709	0.617	27.857	32.568	37.163	41.648	46.026	2.129	0.482	3540
3700	0.855	34.708	0.589	27.858	32.570	37.166	41.652	46.031	2.162	0.189	3637
3800	0.808	34.705	0.529	27.859	32.573	37.171	41.658	46.038	2.195	0.642	3734
3900	0.723	34.700	0.437	27.861	32.577	37.178	41.667	46.051	2.228	0.543	3832
4000	0.639	34.695	0.335	27.862	32.582	37.185	41.678	46.064	2.259	0.587	3929
4100	0.584	34.692	0.281	27.863	32.584	37.189	41.683	46.071	2.290	0.425	4026
4200	0.567	34.691	0.254	27.863	32.585	37.191	41.686	46.074	2.320	0.559	4124
4300	0.510	34.687	0.188	27.864	32.588	37.196	41.693	46.083	2.350	0.253	4221
4400	0.495	34.685	0.163	27.864	32.589	37.197	41.695	46.086	2.380	0.558	4318
4475	0.434	34.682	0.099	27.865	32.592	37.202	41.702	46.094	2.402	0.463	4391



STA-193 LAT= 54 21.0 S LON= 52 2.2 W SONIC DEPTH 4439 m STA-193
 DATE 21/ 8/80 GMT 1929 CTD# 8

PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cph	m
3	3.954	34.159	3.954	27.144	31.766	36.276	40.678	44.976	0.003	1.710	3
25	3.951	34.173	3.950	27.156	31.778	36.287	40.689	44.988	0.023	0.551	25
50	3.826	34.169	3.823	27.166	31.791	36.304	40.709	45.011	0.046	1.716	50
75	3.708	34.168	3.703	27.177	31.806	36.321	40.729	45.034	0.069	1.295	74
100	3.607	34.169	3.601	27.188	31.819	36.338	40.748	45.055	0.091	0.993	99
125	3.588	34.175	3.580	27.195	31.826	36.345	40.756	45.064	0.114	0.840	124
150	3.483	34.192	3.473	27.199	31.828	36.345	40.753	45.059	0.136	0.794	149
175	3.452	34.167	3.441	27.201	31.837	36.360	40.774	45.085	0.158	0.772	174
200	3.463	34.170	3.450	27.203	31.838	36.361	40.775	45.086	0.181	0.301	198
250	3.382	34.162	3.368	27.205	31.842	36.367	40.784	45.096	0.225	0.452	248
300	3.385	34.167	3.366	27.209	31.847	36.372	40.788	45.101	0.270	0.821	297
350	3.164	34.149	3.142	27.215	31.859	36.390	40.812	45.131	0.314	0.681	347
400	3.097	34.151	3.072	27.224	31.870	36.402	40.826	45.146	0.359	0.768	396
450	3.092	34.168	3.063	27.238	31.884	36.416	40.841	45.161	0.403	0.962	446
500	2.890	34.165	2.859	27.254	31.905	36.443	40.873	45.198	0.446	1.123	495
550	2.811	34.177	2.778	27.271	31.924	36.465	40.898	45.223	0.489	1.235	545
600	2.813	34.201	2.779	27.290	31.944	36.484	40.915	45.242	0.531	1.018	594
650	2.680	34.212	2.640	27.311	31.968	36.511	40.946	45.276	0.572	1.444	644
700	2.552	34.233	2.509	27.338	31.999	36.546	40.984	45.317	0.611	1.222	693
750	2.584	34.269	2.538	27.365	32.025	36.570	41.007	45.340	0.650	1.137	743
800	2.405	34.274	2.358	27.384	32.049	36.600	41.041	45.378	0.688	1.397	792
850	2.451	34.311	2.398	27.410	32.073	36.622	41.063	45.398	0.725	1.241	841
900	2.515	34.358	2.458	27.442	32.103	36.651	41.089	45.423	0.761	1.227	891
950	2.519	34.382	2.459	27.461	32.122	36.669	41.107	45.441	0.795	1.168	940
1000	2.540	34.415	2.476	27.486	32.147	36.693	41.130	45.463	0.829	1.137	989
1050	2.493	34.438	2.426	27.509	32.170	36.718	41.156	45.490	0.862	1.312	1039
1100	2.500	34.461	2.428	27.527	32.188	36.735	41.173	45.507	0.894	0.965	1088
1150	2.300	34.463	2.227	27.545	32.212	36.765	41.208	45.547	0.925	1.224	1137
1200	2.370	34.493	2.292	27.564	32.229	36.779	41.221	45.558	0.956	1.179	1187
1250	2.309	34.509	2.228	27.582	32.248	36.801	41.244	45.582	0.985	1.110	1236
1300	2.356	34.538	2.271	27.601	32.266	36.817	41.259	45.596	1.014	1.067	1285
1350	2.369	34.557	2.278	27.616	32.281	36.832	41.273	45.610	1.042	1.007	1335
1400	2.291	34.570	2.199	27.633	32.299	36.852	41.295	45.634	1.070	0.991	1384
1450	2.264	34.593	2.169	27.654	32.321	36.874	41.318	45.657	1.097	1.184	1433
1500	2.255	34.609	2.159	27.668	32.335	36.889	41.333	45.672	1.123	1.031	1482
1600	2.214	34.637	2.108	27.694	32.363	36.917	41.362	45.702	1.174	0.780	1581
1700	2.180	34.658	2.069	27.714	32.384	36.939	41.385	45.726	1.223	0.839	1679
1800	2.130	34.673	2.008	27.731	32.402	36.959	41.406	45.749	1.270	0.796	1777
1900	2.067	34.687	1.938	27.747	32.420	36.979	41.428	45.772	1.317	0.792	1876
2000	2.004	34.699	1.867	27.762	32.437	36.998	41.449	45.795	1.362	0.700	1974
2100	1.963	34.704	1.819	27.771	32.447	37.009	41.461	45.808	1.406	0.686	2072
2200	1.893	34.712	1.741	27.783	32.461	37.025	41.479	45.828	1.449	0.680	2170
2300	1.832	34.717	1.673	27.792	32.472	37.038	41.494	45.845	1.492	0.623	2268
2400	1.769	34.720	1.602	27.800	32.482	37.050	41.507	45.860	1.533	0.627	2366
2500	1.706	34.722	1.531	27.806	32.491	37.060	41.520	45.874	1.575	0.723	2464
2600	1.618	34.724	1.439	27.815	32.502	37.074	41.536	45.893	1.615	0.534	2562
2700	1.530	34.724	1.340	27.822	32.511	37.086	41.551	45.910	1.654	0.661	2660
2800	1.458	34.724	1.261	27.827	32.519	37.098	41.563	45.925	1.693	0.671	2758
2900	1.383	34.723	1.178	27.832	32.526	37.106	41.575	45.938	1.731	0.628	2856
3000	1.292	34.721	1.080	27.837	32.534	37.117	41.588	45.955	1.768	0.621	2954
3100	1.215	34.719	0.994	27.841	32.541	37.126	41.600	45.968	1.805	0.656	3052
3200	1.119	34.716	0.892	27.846	32.549	37.136	41.613	45.984	1.841	0.588	3149
3300	1.089	34.715	0.853	27.848	32.551	37.140	41.618	45.990	1.876	0.504	3247
3400	1.036	34.714	0.791	27.850	32.556	37.146	41.626	46.000	1.911	0.470	3344
3500	0.935	34.710	0.683	27.854	32.563	37.156	41.639	46.015	1.945	0.769	3442
3600	0.794	34.705	0.539	27.858	32.572	37.170	41.657	46.037	1.978	0.629	3540
3700	0.760	34.703	0.493	27.860	32.574	37.173	41.661	46.043	2.010	0.484	3637
3800	0.706	34.700	0.430	27.861	32.577	37.178	41.668	46.051	2.042	0.551	3734
3900	0.616	34.694	0.333	27.862	32.581	37.187	41.678	46.064	2.073	0.586	3832
4000	0.581	34.692	0.288	27.863	32.584	37.189	41.682	46.070	2.103	0.404	3929
4100	0.534	34.689	0.232	27.863	32.586	37.193	41.688	46.077	2.133	0.393	4026
4200	0.516	34.688	0.204	27.864	32.587	37.195	41.691	46.081	2.163	0.291	4124
4300	0.520	34.687	0.197	27.864	32.587	37.195	41.691	46.081	2.193	0.417	4221
4400	0.451	34.683	0.119	27.865	32.590	37.200	41.699	46.091	2.223	0.527	4318
4473	0.431	34.682	0.092	27.865	32.592	37.202	41.702	46.094	2.244	0.406	4389

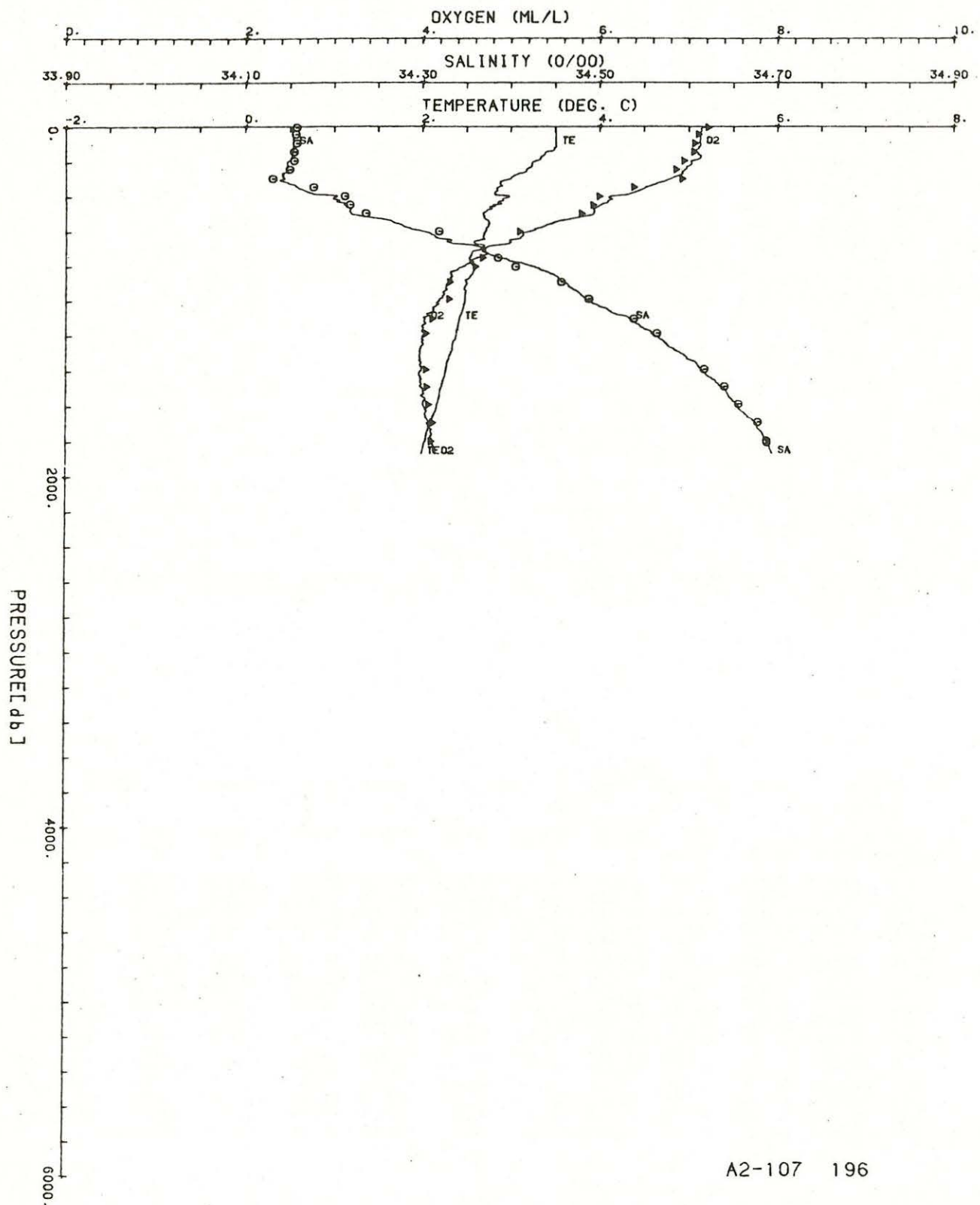


STA-194 LAT= 54 7.7 S LON= 52 27.0 W SONIC DEPTH 509 m STA-194
 DATE 22/ 8/80 GMT 415 CTD# 8

PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cph	m
3	3.373	34.167	3.373	27.208	31.845	36.370	40.786	45.099	0.003	-1.117	3
25	3.362	34.158	3.361	27.202	31.840	36.365	40.781	45.094	0.022	-0.230	25
50	3.363	34.158	3.360	27.202	31.840	36.365	40.781	45.094	0.044	-0.091	50
75	3.363	34.157	3.359	27.202	31.840	36.365	40.782	45.095	0.066	0.218	74
100	3.364	34.157	3.358	27.202	31.840	36.365	40.781	45.094	0.088	0.221	99
125	3.348	34.157	3.340	27.203	31.842	36.367	40.784	45.098	0.110	0.310	124
150	3.300	34.155	3.290	27.206	31.846	36.373	40.791	45.106	0.132	0.540	149
175	3.247	34.151	3.236	27.208	31.850	36.378	40.798	45.114	0.154	0.790	174
200	3.181	34.149	3.168	27.213	31.856	36.386	40.808	45.126	0.176	1.158	198
250	2.849	34.135	2.834	27.232	31.885	36.424	40.854	45.180	0.220	0.798	248
300	2.835	34.144	2.817	27.240	31.893	36.433	40.863	45.190	0.263	1.018	297
350	2.882	34.172	2.861	27.259	31.911	36.449	40.878	45.203	0.305	1.201	347
400	2.830	34.194	2.806	27.282	31.934	36.474	40.904	45.231	0.347	0.959	396
450	2.583	34.199	2.558	27.307	31.967	36.513	40.950	45.282	0.388	1.409	446
500	2.465	34.220	2.436	27.334	31.997	36.548	40.986	45.321	0.428	1.437	495
550	2.401	34.239	2.368	27.355	32.019	36.570	41.011	45.348	0.466	1.168	545
569	2.403	34.249	2.369	27.363	32.027	36.578	41.019	45.356	0.481	1.002	564

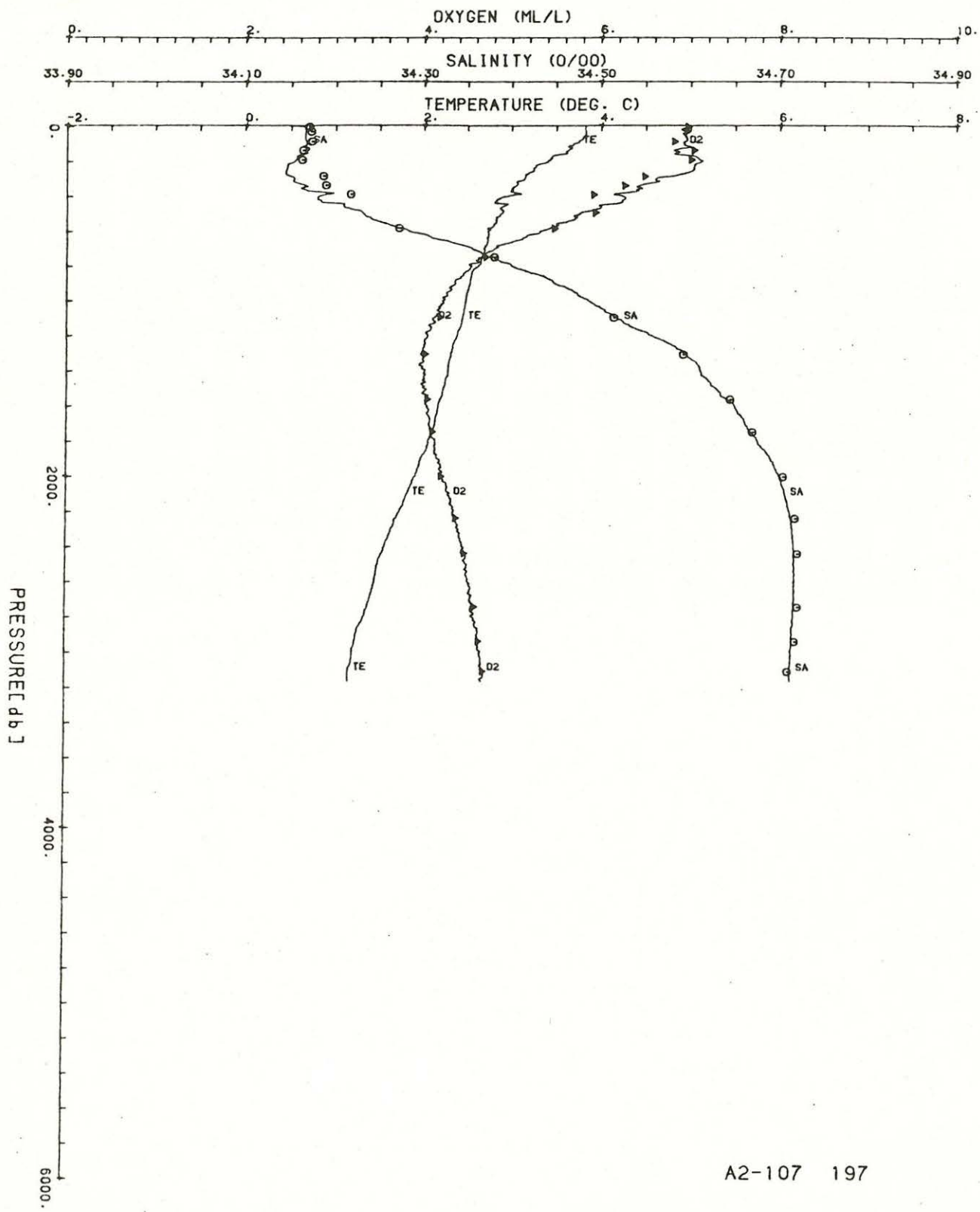
STA-195 LAT= 53 52.4 S LON= 52 57.0 W SONIC DEPTH 586 m STA-195
 DATE 22/ 8/80 GMT 934 CTD# 8

PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cph	m
3	3.384	34.147	3.384	27.192	31.829	36.353	40.769	45.082	0.003	1.454	3
25	3.371	34.157	3.369	27.201	31.839	36.363	40.780	45.092	0.022	0.263	25
50	3.367	34.157	3.364	27.201	31.839	36.364	40.780	45.093	0.044	0.453	50
75	3.323	34.156	3.318	27.204	31.843	36.369	40.787	45.101	0.066	0.834	74
100	3.259	34.154	3.252	27.209	31.850	36.377	40.797	45.113	0.088	0.389	99
125	3.247	34.153	3.239	27.209	31.851	36.379	40.798	45.114	0.110	0.386	124
150	3.229	34.152	3.220	27.210	31.852	36.381	40.801	45.118	0.132	0.434	149
175	3.210	34.151	3.199	27.212	31.854	36.383	40.804	45.121	0.154	0.412	174
200	3.171	34.149	3.158	27.214	31.857	36.388	40.810	45.128	0.176	1.032	198
250	2.914	34.154	2.899	27.242	31.892	36.429	40.858	45.182	0.219	1.356	248
300	2.924	34.182	2.906	27.263	31.913	36.450	40.878	45.202	0.261	0.936	297
350	2.758	34.197	2.737	27.290	31.945	36.488	40.918	45.246	0.303	1.212	347
400	2.518	34.195	2.494	27.309	31.971	36.518	40.957	45.291	0.343	1.451	396
450	2.482	34.223	2.455	27.335	31.997	36.548	40.985	45.320	0.383	1.424	446
500	2.380	34.265	2.350	27.377	32.042	36.593	41.035	45.372	0.420	1.786	495
550	2.352	34.291	2.320	27.400	32.066	36.617	41.059	45.397	0.456	0.425	545
583	2.354	34.293	2.319	27.402	32.067	36.619	41.061	45.399	0.480	0.660	577



STA-196 LAT= 53 35.4 S LON= 53 34.9 W SONIC DEPTH 1991 m STA-196
 DATE 22/ 8/80 GMT 1392 CTD# 8

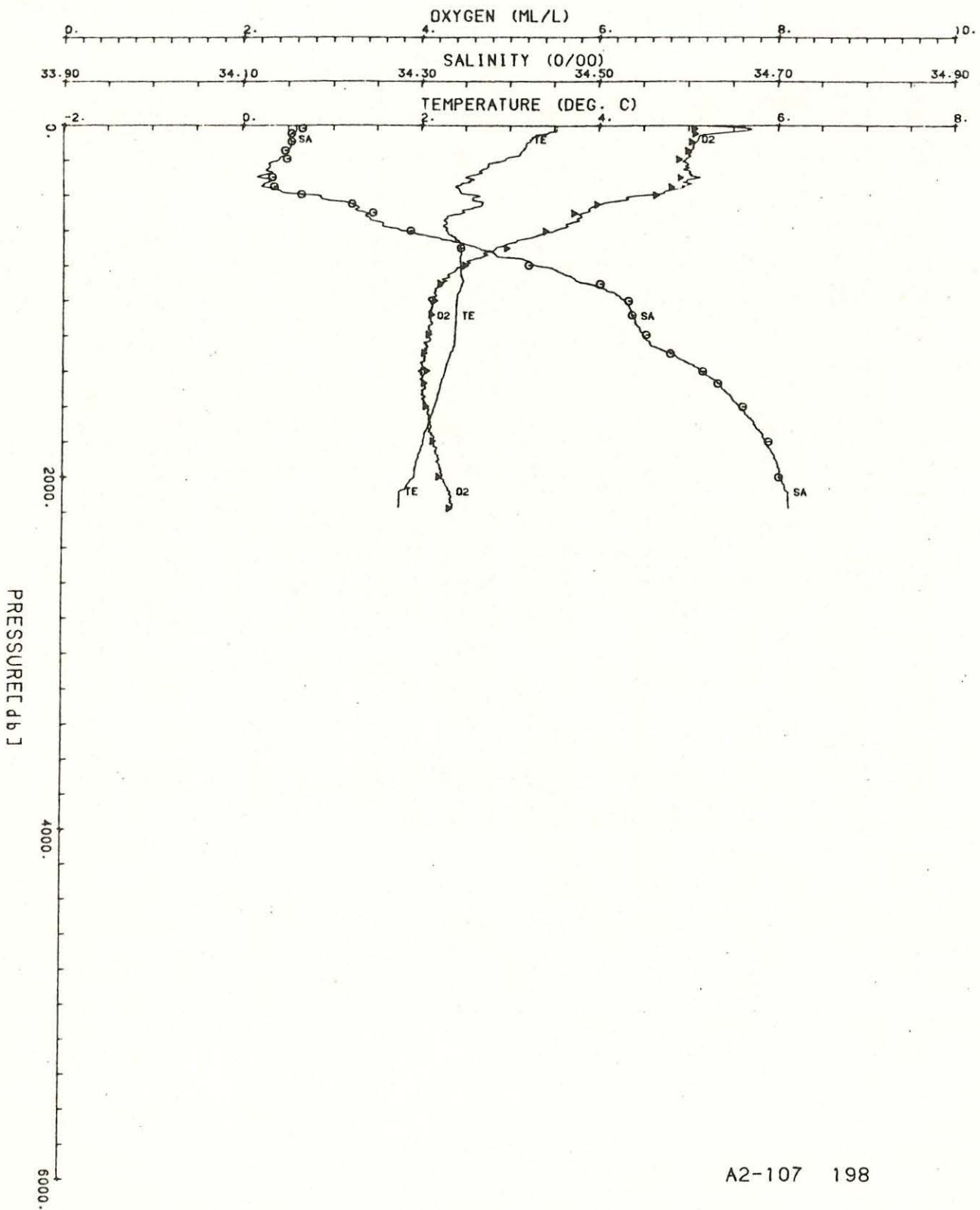
PR	T	S	θ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cpk	m
3	3.510	34.150	3.510	27.182	31.816	36.337	40.750	45.059	0.003	0.472	3
25	3.509	34.152	3.508	27.183	31.817	36.338	40.751	45.061	0.022	0.465	25
50	3.509	34.153	3.508	27.184	31.818	36.339	40.752	45.062	0.045	0.178	50
75	3.509	34.153	3.504	27.184	31.818	36.339	40.753	45.062	0.067	0.200	74
100	3.510	34.153	3.503	27.185	31.819	36.340	40.753	45.063	0.090	-0.062	99
125	3.491	34.153	3.483	27.186	31.821	36.343	40.756	45.066	0.112	0.639	124
150	3.392	34.152	3.383	27.195	31.832	36.357	40.773	45.085	0.135	1.000	149
175	3.341	34.151	3.330	27.200	31.839	36.364	40.782	45.096	0.157	0.700	174
200	3.265	34.148	3.252	27.204	31.845	36.373	40.792	45.108	0.179	0.700	198
250	3.175	34.147	3.159	27.212	31.856	36.386	40.808	45.126	0.224	0.883	248
300	2.978	34.143	2.957	27.227	31.876	36.412	40.839	45.162	0.268	1.206	298
350	2.849	34.158	2.828	27.251	31.903	36.442	40.873	45.199	0.311	1.220	347
400	2.977	34.203	2.952	27.276	31.924	36.460	40.888	45.209	0.353	1.127	397
450	2.818	34.213	2.791	27.298	31.951	36.491	40.922	45.248	0.394	1.317	446
500	2.689	34.220	2.658	27.315	31.972	36.515	40.949	45.279	0.434	1.351	496
550	2.756	34.270	2.722	27.350	32.004	36.545	40.977	45.305	0.473	1.149	545
600	2.705	34.304	2.668	27.381	32.037	36.579	41.012	45.341	0.511	1.412	595
650	2.628	34.331	2.588	27.410	32.067	36.612	41.047	45.377	0.548	1.543	644
700	2.654	34.372	2.610	27.440	32.097	36.640	41.074	45.404	0.583	1.349	694
750	2.533	34.392	2.487	27.467	32.127	36.673	41.110	45.443	0.617	1.332	743
800	2.585	34.428	2.534	27.491	32.150	36.695	41.130	45.461	0.650	1.087	793
850	2.549	34.451	2.499	27.514	32.173	36.718	41.153	45.487	0.683	1.167	842
900	2.499	34.465	2.442	27.529	32.190	36.737	41.174	45.508	0.714	0.920	892
950	2.485	34.478	2.429	27.541	32.202	36.749	41.187	45.521	0.745	0.827	941
1000	2.477	34.490	2.413	27.552	32.213	36.761	41.199	45.533	0.775	0.987	990
1050	2.452	34.511	2.385	27.571	32.233	36.781	41.219	45.554	0.805	1.082	1040
1100	2.416	34.536	2.346	27.594	32.256	36.805	41.245	45.580	0.834	1.019	1089
1150	2.398	34.549	2.324	27.606	32.270	36.819	41.259	45.595	0.862	1.026	1139
1200	2.377	34.564	2.299	27.620	32.284	36.834	41.275	45.611	0.890	0.980	1188
1250	2.339	34.577	2.257	27.634	32.299	36.850	41.292	45.629	0.917	0.853	1237
1300	2.315	34.594	2.230	27.650	32.315	36.867	41.309	45.647	0.943	1.063	1287
1350	2.276	34.609	2.188	27.665	32.332	36.885	41.328	45.666	0.969	0.978	1336
1400	2.261	34.617	2.169	27.673	32.340	36.893	41.337	45.676	0.995	0.795	1385
1450	2.233	34.630	2.138	27.686	32.354	36.908	41.352	45.692	1.020	0.957	1434
1500	2.204	34.641	2.109	27.698	32.366	36.921	41.366	45.706	1.045	0.777	1484
1600	2.160	34.657	2.054	27.714	32.384	36.940	41.388	45.729	1.093	0.830	1582
1700	2.077	34.678	1.964	27.738	32.410	36.969	41.417	45.761	1.139	0.847	1681
1800	2.025	34.690	1.905	27.752	32.426	36.986	41.436	45.781	1.185	0.723	1779
1867	1.992	34.695	1.866	27.760	32.435	36.999	41.446	45.792	1.214	0.658	1845



A2-107 197

STA-197 LAT= 53 15.2 S LON= 54 13.4 W SONIC DEPTH 3064 m STA-197
 DATE 22/ 8/80 GMT 2141 CTD# 8

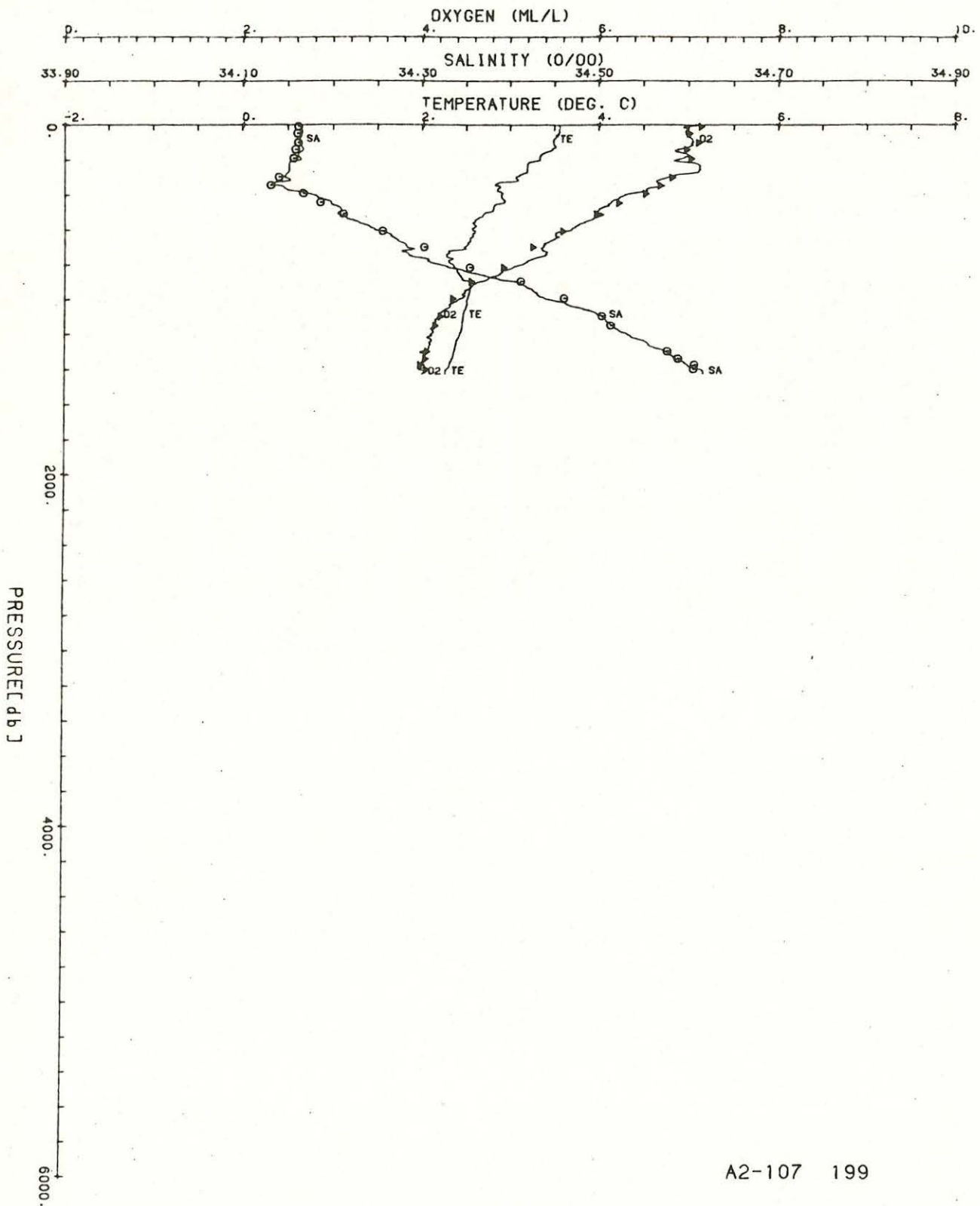
PR dbar	T Dwa C	S o/oo	θ Deg C	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	H6TH	N cph	DF m
3	3.835	34.149	3.835	27.148	31.774	36.286	40.691	44.993	0.003	1.891	3
25	3.828	34.166	3.827	27.163	31.788	36.301	40.705	45.007	0.023	-0.182	25
50	3.827	34.165	3.824	27.163	31.788	36.301	40.706	45.008	0.046	0.407	50
75	3.794	34.165	3.789	27.166	31.792	36.308	40.712	45.015	0.069	0.808	74
100	3.722	34.167	3.715	27.175	31.803	36.319	40.727	45.031	0.092	1.106	99
125	3.665	34.168	3.657	27.182	31.811	36.329	40.738	45.043	0.114	0.892	124
150	3.617	34.167	3.607	27.186	31.817	36.335	40.746	45.053	0.137	0.551	149
175	3.456	34.157	3.445	27.193	31.829	36.351	40.766	45.077	0.159	0.859	174
200	3.414	34.154	3.401	27.195	31.832	36.358	40.772	45.084	0.182	0.795	198
250	3.248	34.145	3.232	27.204	31.845	36.374	40.794	45.110	0.227	0.681	248
300	3.143	34.153	3.124	27.220	31.865	36.396	40.818	45.137	0.271	1.122	297
350	3.022	34.166	3.001	27.242	31.889	36.424	40.849	45.171	0.315	1.015	347
400	2.948	34.183	2.923	27.262	31.912	36.448	40.876	45.199	0.357	1.171	396
450	2.935	34.209	2.907	27.284	31.934	36.471	40.899	45.222	0.399	1.737	446
500	2.876	34.231	2.849	27.308	31.959	36.497	40.926	45.251	0.440	1.179	495
550	2.820	34.252	2.786	27.330	31.983	36.522	40.953	45.279	0.480	1.380	545
600	2.735	34.284	2.698	27.363	32.018	36.559	40.992	45.320	0.519	1.448	594
650	2.728	34.323	2.688	27.394	32.050	36.591	41.023	45.352	0.556	1.456	644
700	2.688	34.357	2.644	27.425	32.081	36.624	41.057	45.386	0.592	1.175	693
750	2.665	34.381	2.618	27.447	32.103	36.648	41.080	45.410	0.627	1.192	743
800	2.618	34.402	2.569	27.468	32.126	36.670	41.105	45.435	0.661	1.354	792
850	2.542	34.433	2.488	27.499	32.159	36.705	41.142	45.474	0.694	1.290	841
900	2.524	34.451	2.467	27.516	32.176	36.722	41.159	45.492	0.726	1.096	891
950	2.498	34.473	2.435	27.536	32.197	36.744	41.181	45.515	0.757	0.967	940
1000	2.477	34.489	2.413	27.550	32.212	36.759	41.197	45.531	0.788	0.949	990
1050	2.459	34.505	2.392	27.566	32.227	36.775	41.214	45.548	0.818	0.957	1039
1100	2.439	34.521	2.368	27.580	32.242	36.791	41.230	45.565	0.847	0.945	1088
1150	2.416	34.538	2.342	27.596	32.258	36.807	41.247	45.582	0.876	1.227	1138
1200	2.379	34.560	2.301	27.617	32.281	36.831	41.271	45.607	0.904	1.149	1187
1250	2.335	34.582	2.254	27.638	32.303	36.854	41.298	45.633	0.931	1.045	1236
1300	2.312	34.597	2.227	27.653	32.318	36.870	41.312	45.650	0.958	0.847	1285
1350	2.288	34.609	2.200	27.664	32.330	36.882	41.325	45.663	0.984	0.842	1335
1400	2.280	34.613	2.188	27.669	32.335	36.888	41.331	45.669	1.009	0.493	1384
1450	2.252	34.622	2.157	27.678	32.345	36.899	41.343	45.682	1.035	0.830	1433
1500	2.228	34.632	2.129	27.688	32.356	36.910	41.355	45.695	1.060	0.817	1482
1600	2.169	34.652	2.063	27.710	32.379	36.935	41.381	45.722	1.109	0.767	1581
1700	2.131	34.663	2.017	27.722	32.393	36.950	41.397	45.740	1.156	0.681	1679
1800	2.056	34.678	1.939	27.740	32.413	36.972	41.422	45.766	1.203	0.785	1778
1900	1.974	34.692	1.846	27.759	32.435	36.996	41.447	45.794	1.248	0.816	1876
2000	1.908	34.703	1.770	27.774	32.451	37.014	41.468	45.816	1.291	0.766	1974
2100	1.817	34.709	1.674	27.785	32.465	37.031	41.487	45.838	1.334	0.722	2072
2200	1.731	34.714	1.582	27.796	32.479	37.048	41.508	45.859	1.375	0.785	2170
2300	1.638	34.718	1.482	27.806	32.492	37.063	41.524	45.880	1.415	0.653	2269
2400	1.565	34.719	1.402	27.813	32.501	37.074	41.538	45.895	1.455	0.619	2367
2500	1.487	34.720	1.316	27.820	32.510	37.086	41.551	45.911	1.493	0.511	2465
2600	1.455	34.720	1.276	27.823	32.514	37.091	41.557	45.918	1.531	0.469	2563
2700	1.399	34.720	1.212	27.827	32.521	37.099	41.568	45.930	1.569	0.545	2660
2800	1.333	34.719	1.138	27.832	32.527	37.108	41.578	45.943	1.607	0.614	2758
2900	1.249	34.717	1.046	27.836	32.535	37.118	41.591	45.958	1.643	0.488	2856
3000	1.207	34.716	0.996	27.839	32.539	37.123	41.597	45.966	1.679	0.398	2954
3100	1.165	34.715	0.946	27.841	32.543	37.129	41.604	45.974	1.715	0.515	3052
3163	1.165	34.715	0.940	27.842	32.543	37.129	41.605	45.975	1.738	0.095	3113



A2-107 198

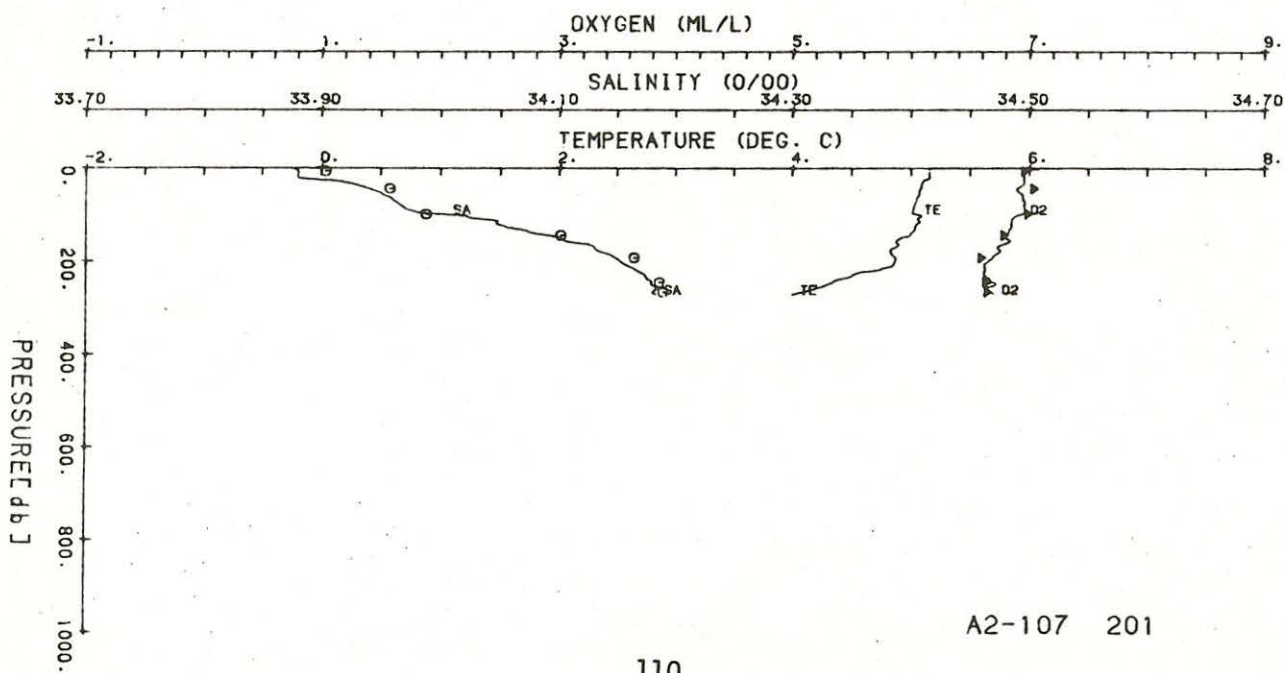
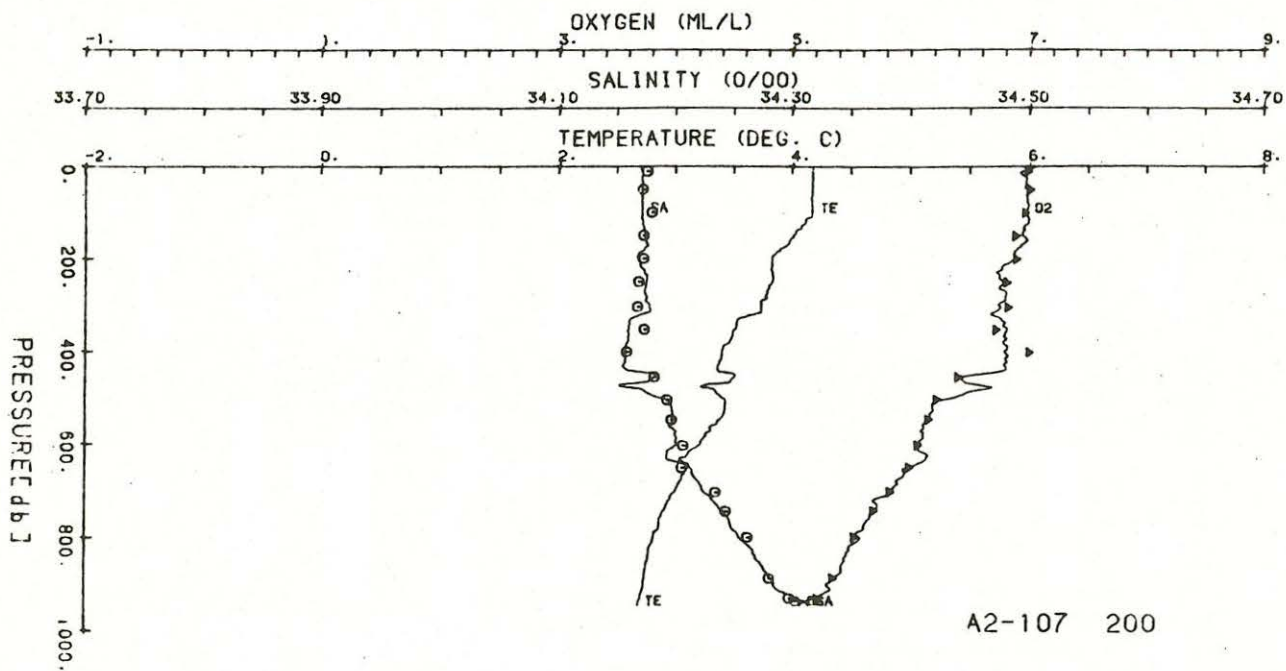
STA-198 LAT= 52 51.0 S LON= 54 55.4 W SONIC DEPTH 2186 m STA-198
 DATE 23/ 8/90 GMT 1237 CTD# 8

PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							coh	m
3	3.530	34.157	3.530	27.185	31.819	36.339	40.751	45.060	0.003	0.582	3
25	3.529	34.159	3.529	27.186	31.820	36.340	40.753	45.062	0.022	0.676	25
50	3.950	34.153	3.347	27.200	31.838	36.363	40.780	45.094	0.045	1.447	50
75	3.249	34.152	3.249	27.208	31.849	36.377	40.797	45.113	0.066	0.888	74
100	3.194	34.153	3.189	27.214	31.857	36.387	40.808	45.125	0.088	0.851	99
125	3.172	34.152	3.164	27.216	31.859	36.389	40.811	45.129	0.110	0.451	124
150	3.126	34.149	3.117	27.218	31.863	36.394	40.817	45.136	0.132	0.562	149
175	3.044	34.144	3.033	27.221	31.868	36.402	40.827	45.148	0.154	1.133	174
200	2.916	34.138	2.904	27.228	31.879	36.416	40.844	45.169	0.175	0.999	198
250	2.688	34.126	2.674	27.239	31.896	36.439	40.874	45.204	0.218	0.876	248
300	2.556	34.124	2.538	27.249	31.910	36.457	40.895	45.229	0.261	0.913	297
350	2.400	34.124	2.380	27.262	31.927	36.479	40.921	45.258	0.303	1.130	347
400	2.644	34.184	2.620	27.290	31.948	36.492	40.927	45.258	0.344	1.406	396
450	2.683	34.223	2.656	27.317	31.974	36.517	40.951	45.281	0.385	1.448	446
500	2.421	34.239	2.392	27.353	32.017	36.567	41.008	45.344	0.423	1.630	495
550	2.289	34.255	2.257	27.377	32.044	36.598	41.042	45.382	0.461	1.051	545
600	2.296	34.285	2.261	27.400	32.067	36.621	41.065	45.404	0.497	1.372	594
650	2.415	34.333	2.378	27.429	32.093	36.642	41.083	45.419	0.533	1.309	644
700	2.443	34.368	2.400	27.455	32.118	36.668	41.106	45.441	0.567	1.225	693
750	2.441	34.407	2.395	27.487	32.149	36.698	41.137	45.472	0.600	1.643	743
800	2.449	34.440	2.399	27.513	32.175	36.723	41.162	45.496	0.632	1.366	792
850	2.452	34.467	2.399	27.535	32.196	36.744	41.183	45.518	0.663	0.952	841
900	2.462	34.494	2.406	27.555	32.217	36.764	41.203	45.537	0.693	1.419	891
950	2.423	34.520	2.363	27.580	32.242	36.791	41.230	45.565	0.723	1.135	940
1000	2.404	34.531	2.341	27.590	32.253	36.803	41.242	45.578	0.751	0.754	990
1050	2.398	34.537	2.331	27.596	32.259	36.808	41.248	45.584	0.779	0.415	1039
1100	2.395	34.542	2.324	27.600	32.264	36.813	41.253	45.589	0.807	0.489	1088
1150	2.390	34.547	2.318	27.605	32.269	36.818	41.259	45.594	0.836	0.595	1138
1200	2.385	34.553	2.307	27.611	32.274	36.824	41.265	45.601	0.864	0.654	1187
1250	2.378	34.561	2.296	27.618	32.282	36.832	41.273	45.609	0.891	1.015	1236
1300	2.335	34.586	2.250	27.642	32.307	36.858	41.300	45.637	0.919	1.086	1285
1350	2.299	34.603	2.211	27.659	32.325	36.877	41.319	45.658	0.945	1.125	1335
1400	2.274	34.619	2.182	27.673	32.340	36.893	41.338	45.675	0.971	0.947	1384
1450	2.236	34.633	2.141	27.688	32.356	36.910	41.354	45.694	0.996	0.961	1433
1500	2.215	34.642	2.118	27.697	32.366	36.920	41.365	45.705	1.020	0.859	1482
1600	2.153	34.660	2.047	27.717	32.387	36.943	41.390	45.731	1.068	0.860	1581
1700	2.087	34.676	1.974	27.736	32.408	36.968	41.414	45.758	1.115	0.834	1679
1800	2.027	34.689	1.908	27.752	32.426	36.985	41.435	45.780	1.160	0.693	1778
1900	1.958	34.700	1.831	27.766	32.442	37.004	41.456	45.803	1.204	0.678	1876
2000	1.924	34.705	1.788	27.773	32.450	37.013	41.466	45.814	1.247	0.794	1974
2100	1.760	34.714	1.619	27.793	32.475	37.043	41.500	45.852	1.289	0.777	2072
2169	1.753	34.715	1.606	27.795	32.477	37.049	41.502	45.855	1.317	0.382	2140



STA-199 LAT= 52 29.0 S LON= 55 51.7 W SONIC DEPTH 1447 m STA-199
 DATE 23/ 8/80 GMT 2320 CTD# 8

PR	T	S	θ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cmh	m
5	3.561	34.166	3.561	27.189	31.822	36.341	40.753	45.061	0.004	-0.253	5
25	3.557	34.165	3.559	27.189	31.822	36.341	40.753	45.061	0.022	0.245	25
50	3.451	34.165	3.548	27.190	31.823	36.343	40.754	45.063	0.044	0.560	50
75	3.411	34.163	3.506	27.192	31.826	36.347	40.760	45.070	0.067	0.589	74
100	3.492	34.163	3.486	27.194	31.828	36.350	40.763	45.073	0.089	0.125	99
125	3.511	34.165	3.503	27.194	31.828	36.349	40.762	45.072	0.111	0.762	124
150	3.441	34.165	3.432	27.201	31.837	36.360	40.775	45.086	0.134	0.979	149
175	3.346	34.161	3.339	27.207	31.845	36.371	40.788	45.102	0.156	0.790	174
200	3.327	34.163	3.314	27.210	31.850	36.376	40.793	45.108	0.178	0.623	198
250	3.195	34.151	3.179	27.214	31.857	36.388	40.808	45.125	0.222	0.308	248
300	3.071	34.147	3.053	27.222	31.869	36.402	40.826	45.147	0.266	0.860	297
350	2.885	34.144	2.863	27.237	31.888	36.426	40.856	45.181	0.310	1.043	347
400	2.904	34.179	2.879	27.263	31.914	36.452	40.880	45.205	0.352	1.178	396
450	2.859	34.199	2.831	27.283	31.935	36.474	40.903	45.229	0.394	1.405	446
500	2.720	34.206	2.689	27.301	31.957	36.500	40.939	45.262	0.435	1.143	495
550	2.595	34.228	2.561	27.330	31.989	36.539	40.971	45.303	0.475	1.303	545
600	2.594	34.253	2.557	27.350	32.009	36.555	40.991	45.323	0.514	1.745	594
650	2.551	34.272	2.511	27.369	32.030	36.576	41.014	45.347	0.552	1.094	644
700	2.490	34.288	2.447	27.387	32.049	36.598	41.037	45.371	0.590	1.253	693
750	2.295	34.294	2.250	27.408	32.076	36.629	41.073	45.413	0.626	1.169	743
800	2.361	34.326	2.312	27.429	32.095	36.646	41.088	45.426	0.662	1.133	792
850	2.426	34.366	2.373	27.456	32.119	36.669	41.109	45.445	0.697	1.280	841
900	2.554	34.412	2.497	27.482	32.141	36.687	41.124	45.456	0.730	1.053	891
950	2.541	34.428	2.480	27.497	32.156	36.703	41.140	45.472	0.763	0.883	940
1000	2.513	34.448	2.449	27.515	32.176	36.723	41.160	45.494	0.796	1.408	990
1050	2.494	34.484	2.426	27.545	32.206	36.754	41.192	45.525	0.827	1.452	1039
1100	2.468	34.506	2.397	27.566	32.227	36.775	41.214	45.548	0.857	0.839	1088
1150	2.456	34.517	2.382	27.576	32.238	36.786	41.225	45.559	0.887	0.853	1138
1200	2.428	34.535	2.350	27.593	32.255	36.804	41.244	45.579	0.916	1.165	1187
1250	2.387	34.556	2.309	27.613	32.277	36.827	41.267	45.603	0.944	0.984	1236
1300	2.362	34.578	2.277	27.633	32.297	36.848	41.289	45.625	0.972	1.047	1286
1350	2.330	34.594	2.242	27.649	32.314	36.869	41.307	45.644	0.999	1.118	1335
1400	2.273	34.616	2.181	27.671	32.336	36.891	41.334	45.673	1.025	1.447	1384
1421	2.269	34.617	2.178	27.673	32.339	36.892	41.336	45.675	1.036	0.203	1405

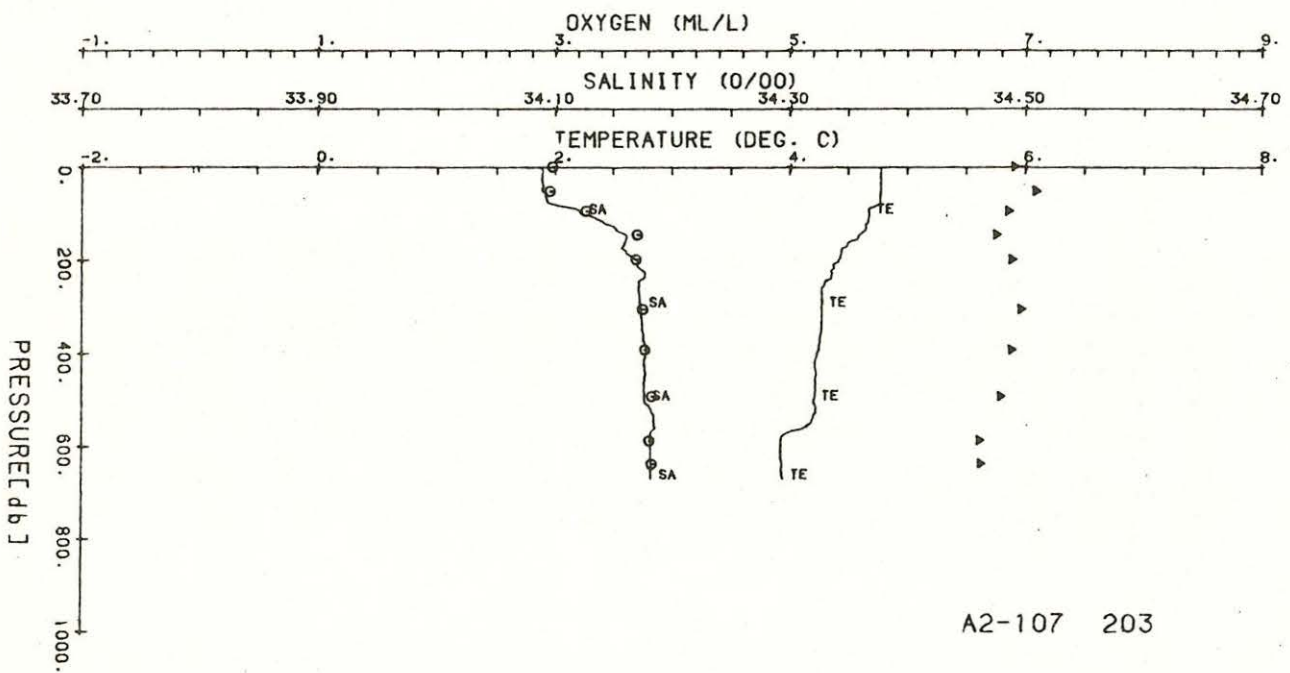
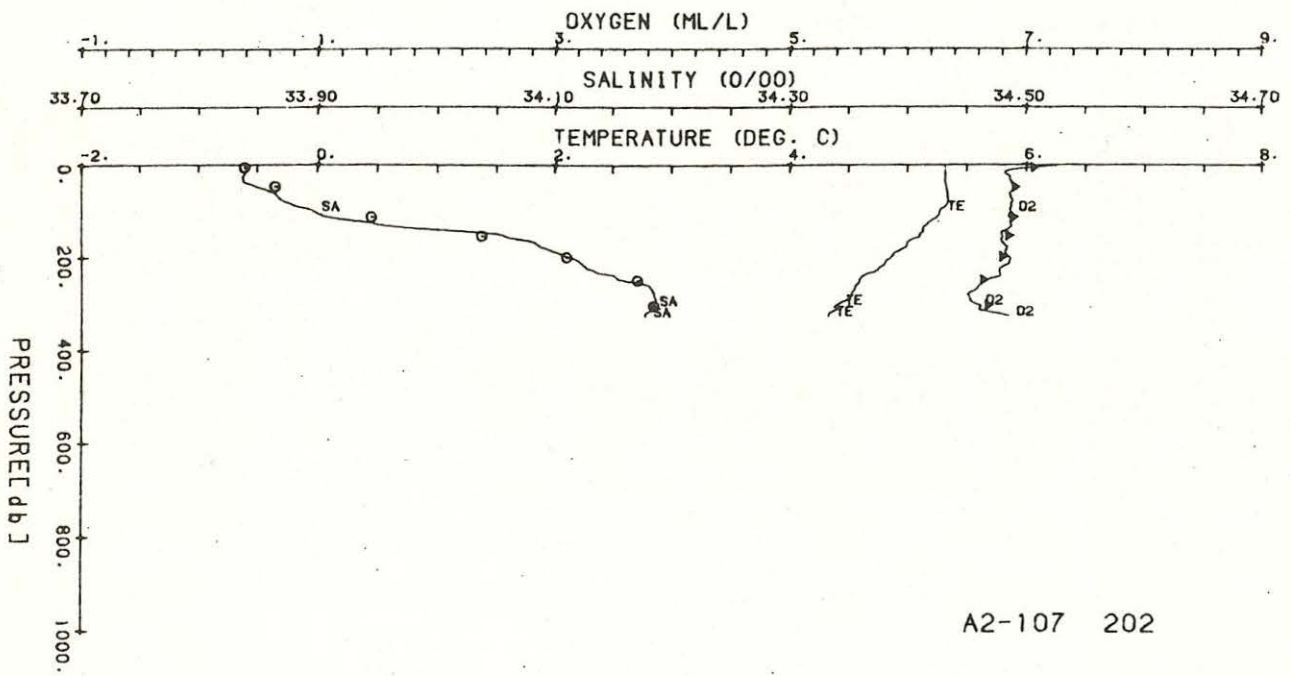


STA-200 LAT= 52 2.3 S LON= 56 28.5 W SONIC DEPTH 930 m STA-200
 DATE 24/ 8/80 GMT 507 CTD# 8

PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cpH	m
3	4.177	34.171	4.176	27.130	31.746	36.250	40.648	44.940	0.003	0.773	3
25	4.175	34.171	4.174	27.132	31.748	36.251	40.648	44.941	0.024	0.230	25
50	4.173	34.172	4.170	27.132	31.748	36.252	40.648	44.942	0.047	0.307	50
75	4.171	34.171	4.168	27.132	31.749	36.252	40.649	44.943	0.071	-0.061	74
100	4.173	34.172	4.168	27.132	31.749	36.253	40.649	44.943	0.095	0.433	99
125	4.099	34.172	4.090	27.141	31.759	36.265	40.663	44.959	0.118	1.136	124
150	4.012	34.174	4.001	27.152	31.772	36.280	40.681	44.978	0.142	1.049	149
175	3.926	34.175	3.914	27.161	31.784	36.294	40.697	44.997	0.165	1.015	174
200	3.832	34.169	3.819	27.166	31.791	36.304	40.709	45.011	0.189	0.762	198
250	3.828	34.175	3.809	27.172	31.798	36.311	40.716	45.018	0.235	0.638	248
300	3.739	34.178	3.719	27.183	31.812	36.327	40.734	45.039	0.281	0.906	297
350	3.511	34.160	3.488	27.192	31.826	36.348	40.761	45.071	0.327	0.651	347
400	3.403	34.157	3.377	27.200	31.838	36.362	40.778	45.091	0.372	0.667	396
450	3.510	34.183	3.480	27.211	31.845	36.367	40.780	45.090	0.418	0.857	446
500	3.422	34.192	3.389	27.226	31.863	36.387	40.802	45.115	0.463	0.942	495
550	3.364	34.198	3.327	27.237	31.876	36.401	40.818	45.132	0.507	1.137	545
600	3.208	34.201	3.167	27.254	31.897	36.427	40.848	45.166	0.551	0.905	594
650	3.105	34.215	3.063	27.275	31.920	36.453	40.876	45.196	0.594	1.208	644
700	2.997	34.226	2.952	27.294	31.943	36.478	40.905	45.227	0.637	1.286	693
750	2.887	34.245	2.839	27.319	31.971	36.509	40.938	45.263	0.678	1.121	743
800	2.817	34.258	2.766	27.336	31.990	36.529	40.960	45.287	0.718	1.249	792
850	2.765	34.274	2.711	27.354	32.009	36.550	40.982	45.310	0.758	0.989	842
900	2.736	34.287	2.678	27.367	32.022	36.564	40.997	45.326	0.797	1.101	891
943	2.691	34.316	2.630	27.394	32.051	36.594	41.028	45.358	0.830	1.502	933

STA-201 LAT= 51 39.9 S LON= 57 9.0 W SONIC DEPTH 273 m STA-201
 DATE 24/ 8/80 GMT 935 CTD# 8

PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cpH	m
1	5.154	33.875	5.154	26.788	31.381	35.863	40.237	44.510	0.001	0.958	1
25	5.130	33.897	5.128	26.809	31.402	35.884	40.259	44.532	0.032	2.811	25
50	5.072	33.947	5.068	26.855	31.449	35.932	40.308	44.583	0.062	1.739	50
75	5.037	33.964	5.031	26.873	31.468	35.952	40.329	44.604	0.092	1.382	74
100	5.055	34.006	5.047	26.904	31.499	35.981	40.358	44.632	0.122	2.682	99
125	5.040	34.055	5.030	26.945	31.539	36.022	40.399	44.673	0.151	1.955	124
150	4.928	34.101	4.917	26.994	31.591	36.077	40.455	44.732	0.179	2.574	149
175	4.842	34.132	4.828	27.029	31.628	36.116	40.496	44.775	0.205	1.768	174
200	4.866	34.153	4.851	27.043	31.642	36.128	40.508	44.786	0.232	2.063	198
250	4.296	34.181	4.278	27.128	31.741	36.242	40.636	44.927	0.282	2.186	248
271	4.002	34.183	3.983	27.161	31.782	36.290	40.691	44.989	0.302	2.327	269

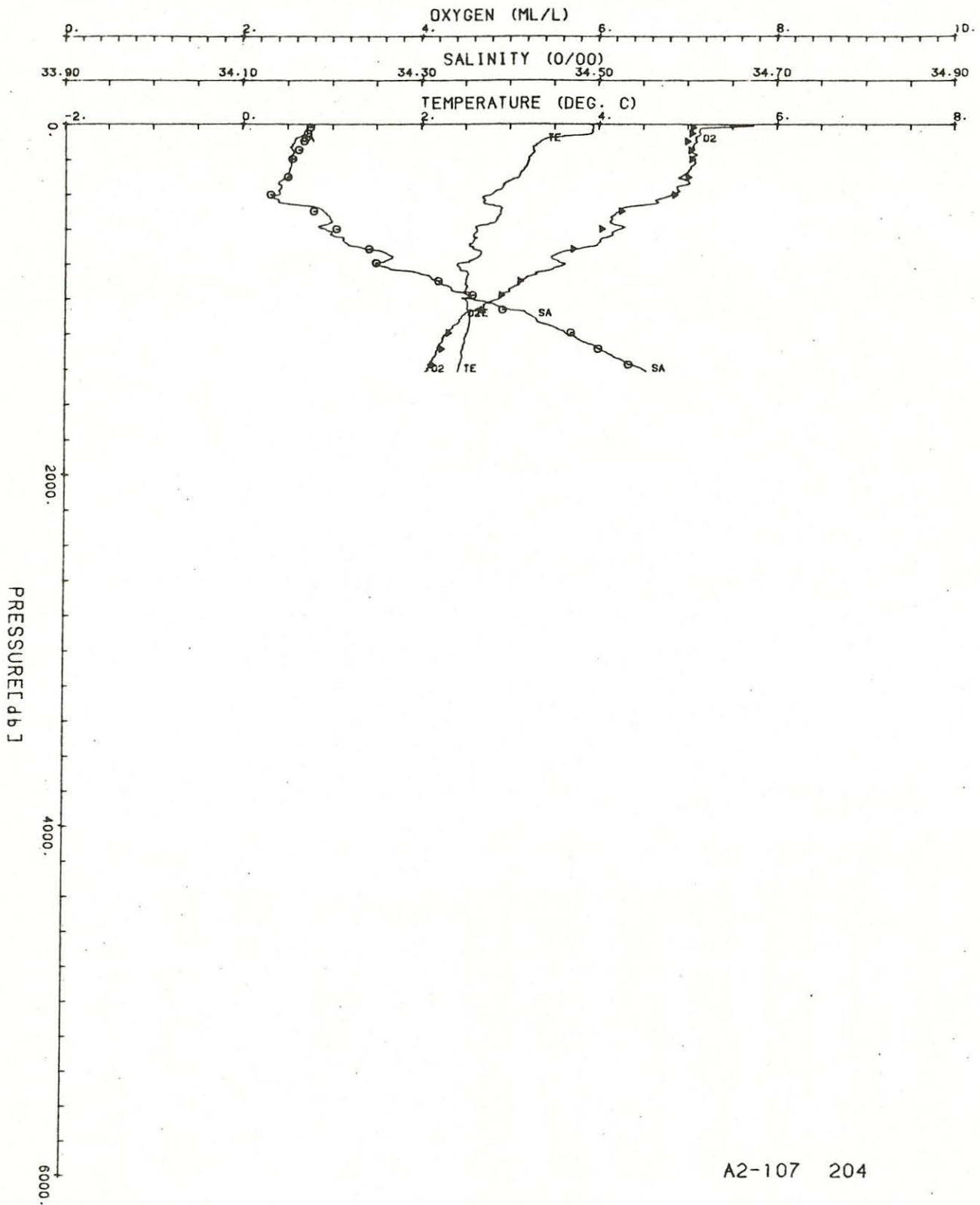


STA-202 LAT= 52 19.0 S LON= 57 40.3 W SONIC DEPTH 342 m STA-202
 DATE 24/ 8/80 GMT 1455 CTD# 8

PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cdh	m
3	5.312	33.840	5.312	26.742	31.331	35.809	40.180	44.450	0.004	-0.263	3
25	5.317	33.838	5.319	26.740	31.329	35.807	40.178	44.448	0.033	-0.519	25
50	5.328	33.852	5.324	26.750	31.339	35.816	40.187	44.457	0.066	1.578	50
75	5.340	33.870	5.334	26.763	31.351	35.828	40.199	44.468	0.098	1.274	74
100	5.274	33.897	5.268	26.793	31.382	35.861	40.233	44.503	0.131	1.935	99
125	5.176	33.945	5.168	26.843	31.435	35.915	40.289	44.561	0.162	3.095	124
150	5.107	34.055	5.096	26.937	31.530	36.012	40.386	44.659	0.192	3.035	149
175	4.986	34.089	4.972	26.979	31.575	36.059	40.438	44.712	0.220	1.936	174
200	4.854	34.117	4.839	27.016	31.615	36.102	40.482	44.761	0.247	1.844	198
250	4.593	34.169	4.574	27.086	31.692	36.189	40.572	44.856	0.300	2.089	248
300	4.407	34.185	4.389	27.119	31.730	36.228	40.619	44.907	0.349	1.268	297
323	4.334	34.179	4.311	27.123	31.735	36.239	40.628	44.918	0.372	0.774	320

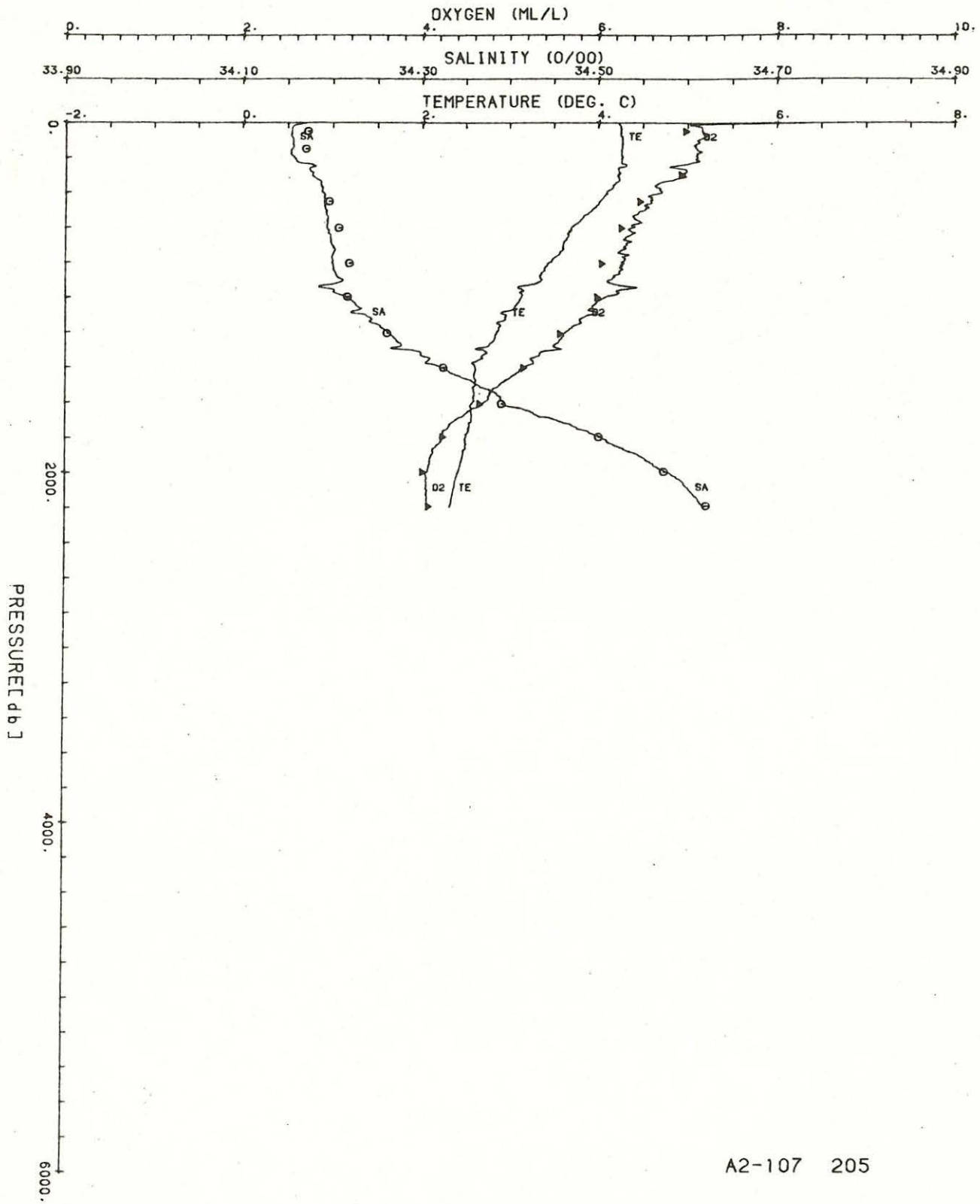
STA-203 LAT= 52 48.4 S LON= 57 21.2 W SONIC DEPTH 694 m STA-203
 DATE 24/ 8/80 GMT 1898 CTD# 8

PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cdh	m
3	4.774	34.088	4.774	27.000	31.601	36.090	40.472	44.752	0.003	0.254	3
25	4.776	34.088	4.774	27.001	31.602	36.091	40.473	44.753	0.027	0.202	25
50	4.775	34.090	4.771	27.002	31.603	36.092	40.474	44.754	0.053	0.664	50
75	4.768	34.095	4.763	27.007	31.608	36.097	40.480	44.760	0.080	1.681	74
100	4.677	34.125	4.670	27.041	31.644	36.136	40.520	44.803	0.106	1.534	99
125	4.653	34.148	4.644	27.062	31.666	36.158	40.543	44.826	0.132	1.509	124
150	4.586	34.162	4.579	27.081	31.686	36.180	40.566	44.850	0.158	1.488	149
175	4.457	34.159	4.444	27.093	31.702	36.199	40.589	44.876	0.183	1.170	174
200	4.417	34.170	4.403	27.106	31.716	36.214	40.605	44.893	0.207	1.275	198
250	4.299	34.173	4.281	27.121	31.734	36.235	40.629	44.920	0.256	0.709	248
300	4.275	34.174	4.253	27.125	31.739	36.241	40.635	44.927	0.305	0.389	297
350	4.271	34.176	4.246	27.127	31.741	36.243	40.637	44.929	0.354	0.506	347
400	4.237	34.179	4.208	27.134	31.749	36.251	40.647	44.939	0.403	0.552	396
450	4.224	34.178	4.192	27.135	31.750	36.253	40.649	44.942	0.453	0.087	446
500	4.211	34.177	4.174	27.136	31.752	36.256	40.652	44.945	0.502	0.591	495
550	4.173	34.186	4.133	27.147	31.764	36.269	40.666	44.960	0.551	1.441	545
600	3.928	34.183	3.889	27.170	31.794	36.308	40.708	45.008	0.599	0.335	594
650	3.936	34.183	3.889	27.170	31.794	36.304	40.708	45.008	0.648	-0.071	644
669	3.948	34.183	3.900	27.169	31.792	36.303	40.706	45.006	0.666	-0.635	663



STA-204 LAT= 53 2.0 S LON= 57 11.2 W SONIC DEPTH 1452 m STA-204
 DATE 24/ 8/80 GMT 2137 CTD# 8

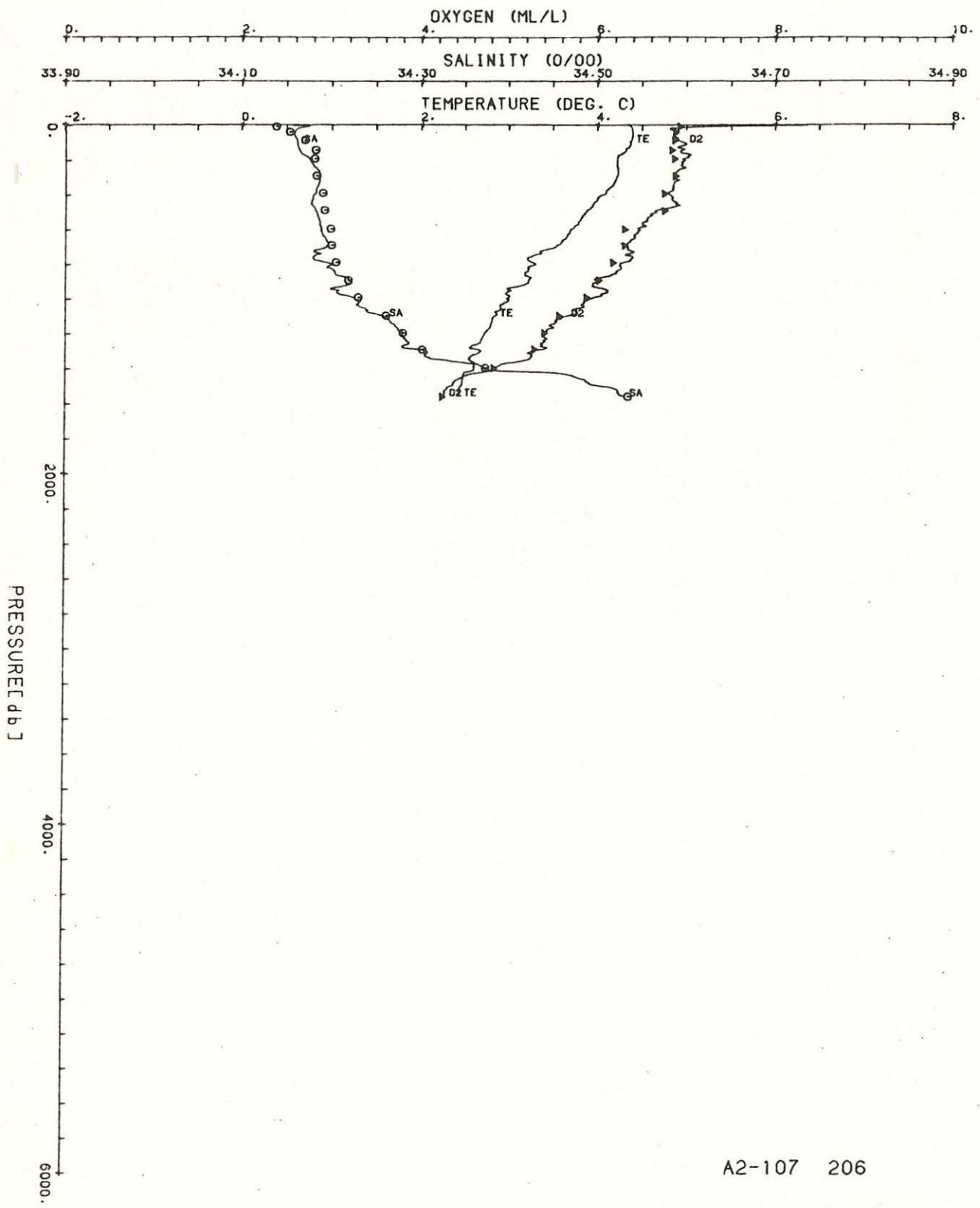
PR	T	S	A	SIG-A	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							coh	m
25	3.937	34.171	3.939	27.156	31.778	36.288	40.690	44.989	0.027	-0.346	25
50	3.928	34.171	3.925	27.157	31.779	36.290	40.692	44.991	0.050	0.974	50
75	3.534	34.162	3.529	27.189	31.822	36.343	40.755	45.064	0.073	2.101	74
100	3.748	34.157	3.742	27.203	31.842	36.367	40.784	45.098	0.095	0.842	99
125	3.288	34.154	3.280	27.207	31.847	36.374	40.793	45.108	0.117	0.704	124
150	3.269	34.155	3.260	27.209	31.850	36.377	40.797	45.112	0.139	0.425	149
175	3.245	34.155	3.234	27.212	31.853	36.381	40.801	45.117	0.161	0.578	174
200	3.213	34.154	3.201	27.214	31.856	36.385	40.806	45.123	0.183	0.410	199
250	3.171	34.153	3.155	27.217	31.861	36.391	40.813	45.131	0.227	0.549	248
300	3.105	34.152	3.086	27.223	31.868	36.400	40.824	45.144	0.271	0.648	297
350	2.931	34.142	2.910	27.231	31.882	36.418	40.847	45.171	0.315	0.803	347
400	2.802	34.141	2.778	27.242	31.896	36.436	40.868	45.195	0.358	0.877	396
450	2.716	34.143	2.689	27.251	31.907	36.450	40.884	45.214	0.401	1.057	446
500	2.896	34.191	2.865	27.274	31.925	36.463	40.892	45.216	0.444	0.909	495
550	2.846	34.199	2.812	27.285	31.937	36.477	40.907	45.233	0.486	0.877	545
600	2.630	34.192	2.593	27.298	31.957	36.502	40.938	45.270	0.527	1.063	594
650	2.622	34.213	2.582	27.316	31.975	36.520	40.956	45.288	0.568	0.993	644
700	2.577	34.229	2.533	27.333	31.993	36.539	40.976	45.309	0.608	1.207	693
750	2.662	34.266	2.619	27.355	32.013	36.557	40.992	45.322	0.647	1.059	743
800	2.410	34.250	2.361	27.364	32.029	36.580	41.021	45.358	0.686	1.087	792
850	2.529	34.298	2.476	27.393	32.054	36.601	41.039	45.373	0.723	1.390	841
900	2.509	34.321	2.453	27.413	32.075	36.623	41.061	45.395	0.760	1.012	891
950	2.502	34.336	2.442	27.426	32.088	36.636	41.075	45.409	0.796	0.934	940
1000	2.495	34.359	2.431	27.445	32.107	36.655	41.094	45.428	0.832	1.375	990
1050	2.522	34.394	2.454	27.471	32.132	36.679	41.117	45.451	0.866	1.346	1039
1100	2.550	34.427	2.479	27.495	32.155	36.702	41.139	45.471	0.900	0.874	1088
1150	2.543	34.446	2.468	27.512	32.172	36.718	41.155	45.488	0.933	1.240	1138
1200	2.511	34.467	2.433	27.532	32.193	36.740	41.178	45.511	0.965	1.173	1187
1250	2.490	34.488	2.408	27.550	32.212	36.759	41.198	45.532	0.997	1.184	1236
1300	2.457	34.508	2.371	27.570	32.232	36.780	41.220	45.554	1.027	1.037	1285
1350	2.451	34.528	2.362	27.587	32.249	36.797	41.237	45.572	1.057	1.110	1335
1400	2.423	34.551	2.330	27.607	32.270	36.819	41.259	45.595	1.086	1.165	1384
1413	2.417	34.554	2.323	27.610	32.274	36.823	41.263	45.599	1.094	0.764	1397



A2-107 205

STA-205 LAT= 53 27.9 S LON= 57 12.7 W SONIC DEPTH 2605 m STA-205
 DATE 25/ 8/80 GMT 239 CTD# 8

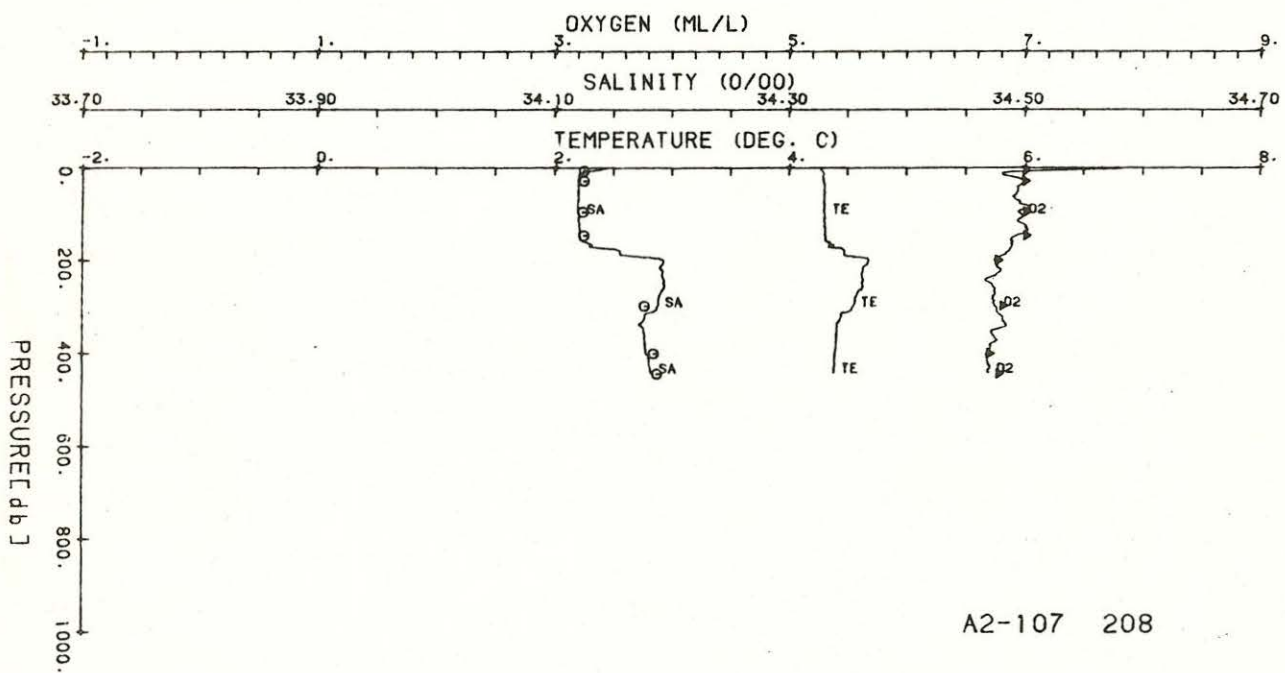
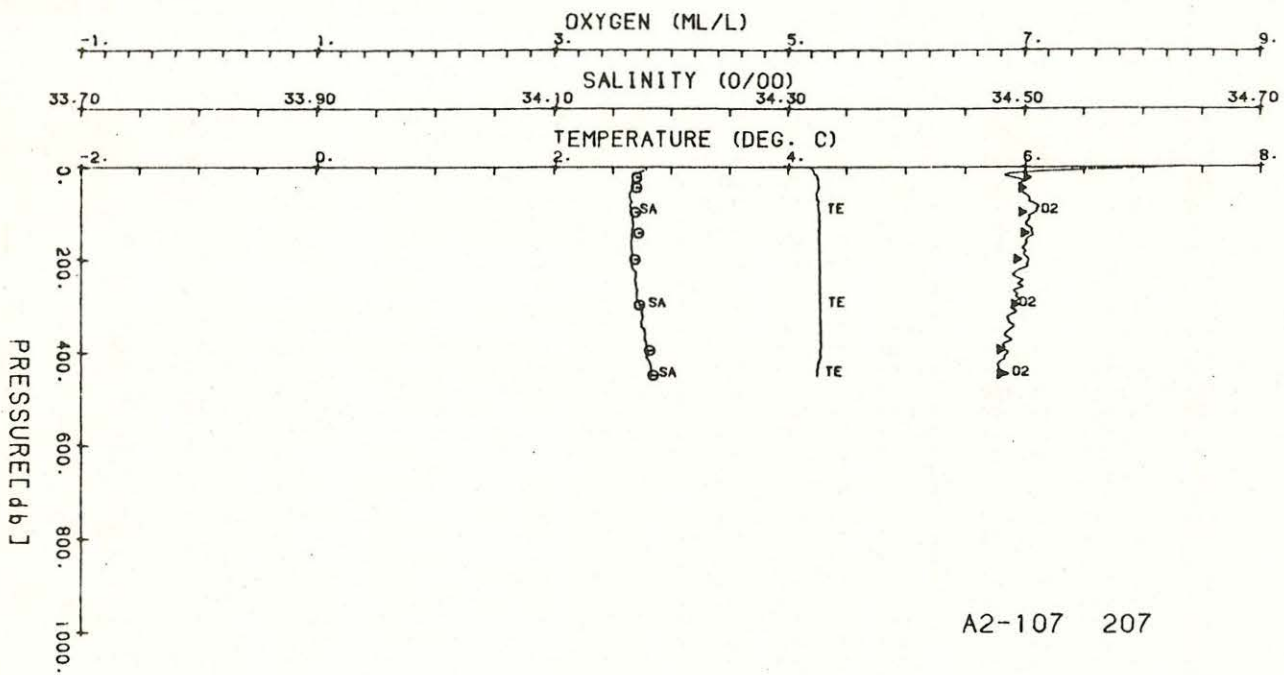
PR	T	S	g	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cpH	m
3	4.221	34.166	4.220	27.123	31.737	36.240	40.635	44.928	0.003	-1.954	3
25	4.249	34.155	4.247	27.111	31.725	36.227	40.621	44.913	0.024	-0.745	25
50	4.253	34.154	4.250	27.110	31.724	36.225	40.620	44.912	0.048	-0.150	50
75	4.258	34.153	4.252	27.109	31.723	36.225	40.619	44.911	0.072	-0.393	74
100	4.270	34.156	4.263	27.109	31.723	36.225	40.619	44.911	0.097	0.234	99
125	4.268	34.156	4.259	27.110	31.724	36.225	40.620	44.911	0.121	0.388	124
150	4.265	34.154	4.254	27.109	31.723	36.225	40.620	44.911	0.145	-0.464	149
175	4.259	34.153	4.247	27.109	31.724	36.228	40.620	44.912	0.170	0.367	174
200	4.268	34.158	4.254	27.112	31.726	36.228	40.622	44.914	0.194	0.700	198
250	4.291	34.179	4.273	27.127	31.741	36.242	40.638	44.927	0.243	0.952	248
300	4.223	34.177	4.202	27.133	31.748	36.251	40.647	44.939	0.292	0.651	297
350	4.187	34.187	4.162	27.145	31.761	36.269	40.661	44.955	0.340	0.910	347
400	4.097	34.189	4.068	27.157	31.775	36.282	40.680	44.976	0.388	0.899	396
450	4.019	34.190	3.987	27.166	31.787	36.295	40.696	44.994	0.436	0.764	446
500	3.928	34.193	3.893	27.178	31.801	36.312	40.715	45.015	0.484	0.992	495
550	3.809	34.194	3.770	27.191	31.818	36.331	40.737	45.040	0.531	0.850	545
600	3.697	34.193	3.655	27.202	31.832	36.348	40.757	45.063	0.577	0.802	594
650	3.657	34.197	3.612	27.209	31.840	36.358	40.768	45.075	0.623	0.695	644
700	3.604	34.200	3.558	27.217	31.849	36.368	40.780	45.088	0.670	0.641	693
750	3.556	34.200	3.504	27.222	31.856	36.376	40.789	45.098	0.716	0.777	743
800	3.438	34.200	3.383	27.233	31.870	36.394	40.810	45.122	0.761	0.870	792
850	3.373	34.203	3.314	27.242	31.881	36.407	40.824	45.138	0.807	0.856	842
900	3.353	34.211	3.290	27.251	31.891	36.417	40.835	45.149	0.852	0.819	891
950	3.150	34.200	3.085	27.261	31.907	36.438	40.862	45.181	0.896	1.006	940
1000	3.125	34.216	3.057	27.277	31.923	36.455	40.879	45.199	0.941	1.125	990
1050	3.058	34.228	2.987	27.293	31.940	36.474	40.900	45.222	0.984	1.037	1039
1100	2.959	34.237	2.889	27.309	31.959	36.498	40.924	45.248	1.027	1.072	1088
1150	2.889	34.250	2.811	27.325	31.978	36.516	40.946	45.272	1.069	1.012	1138
1200	2.854	34.263	2.772	27.340	31.993	36.533	40.963	45.290	1.110	0.996	1187
1250	2.807	34.272	2.722	27.351	32.006	36.547	40.979	45.307	1.151	1.092	1236
1300	2.720	34.292	2.632	27.375	32.032	36.575	41.009	45.339	1.192	1.260	1286
1350	2.668	34.309	2.576	27.393	32.052	36.596	41.032	45.363	1.231	1.147	1335
1400	2.613	34.325	2.518	27.411	32.071	36.617	41.054	45.386	1.269	0.995	1384
1450	2.600	34.345	2.502	27.429	32.089	36.635	41.072	45.405	1.307	1.094	1433
1500	2.610	34.366	2.508	27.445	32.104	36.650	41.087	45.419	1.344	1.095	1483
1600	2.577	34.394	2.467	27.470	32.131	36.678	41.115	45.449	1.417	1.086	1581
1700	2.570	34.458	2.451	27.522	32.183	36.730	41.167	45.500	1.486	1.310	1680
1800	2.498	34.507	2.371	27.569	32.231	36.779	41.219	45.553	1.552	1.062	1778
1900	2.470	34.548	2.339	27.604	32.267	36.816	41.258	45.591	1.614	1.103	1876
2000	2.410	34.581	2.268	27.636	32.301	36.852	41.293	45.630	1.674	1.090	1974
2100	2.362	34.603	2.212	27.659	32.325	36.878	41.319	45.657	1.731	0.809	2073
2193	2.324	34.620	2.166	27.676	32.343	36.896	41.340	45.679	1.782	0.804	2164



A2-107 206

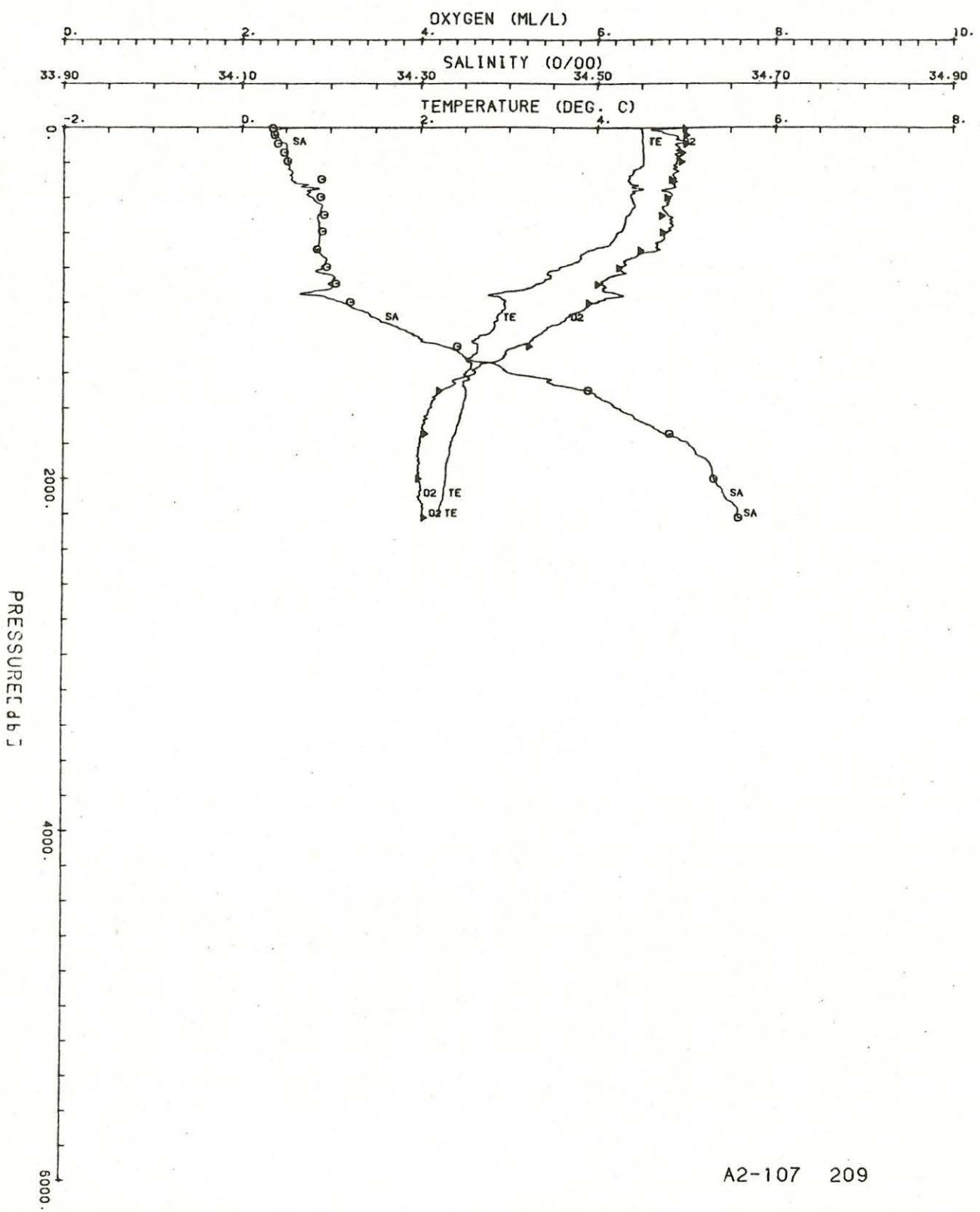
STA-206 LAT= 53 52.0 S LON= 56 59.0 W SONIC DEPTH 1550 m STA-206
 DATE 25/ 8/80 GMT 1326 CTD# 8

PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							coh	m
3	4.364	34.156	4.364	27.099	31.711	36.210	40.601	44.890	0.003	1.014	3
25	4.389	34.161	4.387	27.100	31.711	36.209	40.600	44.889	0.024	-1.046	25
50	4.396	34.158	4.392	27.098	31.708	36.208	40.597	44.886	0.049	-0.208	50
75	4.389	34.160	4.384	27.100	31.711	36.209	40.600	44.889	0.073	0.689	74
100	4.371	34.161	4.364	27.103	31.714	36.213	40.605	44.894	0.098	0.451	99
125	4.359	34.162	4.350	27.106	31.717	36.216	40.608	44.898	0.122	0.954	124
150	4.316	34.164	4.309	27.112	31.725	36.225	40.618	44.909	0.147	0.922	149
175	4.238	34.170	4.225	27.125	31.740	36.242	40.637	44.929	0.171	1.306	174
200	4.225	34.175	4.211	27.131	31.746	36.248	40.644	44.936	0.195	0.596	198
250	4.232	34.183	4.214	27.136	31.751	36.254	40.649	44.941	0.243	0.596	248
300	4.218	34.186	4.198	27.141	31.756	36.259	40.654	44.947	0.291	0.552	297
350	4.168	34.184	4.143	27.145	31.762	36.266	40.663	44.957	0.339	0.694	347
400	4.064	34.180	4.036	27.153	31.773	36.280	40.679	44.976	0.388	0.836	396
450	3.962	34.177	3.930	27.161	31.784	36.293	40.696	44.995	0.435	0.804	446
500	3.872	34.183	3.837	27.175	31.800	36.312	40.717	45.018	0.483	0.945	495
550	3.804	34.186	3.765	27.185	31.812	36.326	40.732	45.035	0.530	0.763	545
600	3.707	34.188	3.669	27.196	31.826	36.343	40.751	45.057	0.577	0.864	594
650	3.646	34.193	3.600	27.207	31.838	36.356	40.767	45.074	0.624	0.981	644
700	3.532	34.194	3.483	27.219	31.853	36.375	40.788	45.098	0.670	0.954	693
750	3.281	34.182	3.230	27.233	31.874	36.403	40.822	45.138	0.715	1.101	743
800	3.300	34.200	3.249	27.246	31.887	36.415	40.834	45.149	0.760	0.899	792
850	3.190	34.204	3.132	27.260	31.904	36.434	40.856	45.174	0.805	0.874	842
900	3.221	34.220	3.160	27.271	31.913	36.443	40.864	45.182	0.849	0.868	891
950	3.014	34.206	2.950	27.278	31.927	36.463	40.889	45.212	0.892	1.011	940
1000	2.986	34.227	2.919	27.297	31.947	36.483	40.910	45.234	0.935	1.120	990
1050	2.906	34.235	2.839	27.311	31.963	36.501	40.931	45.256	0.978	1.091	1039
1100	2.838	34.258	2.769	27.336	31.989	36.529	40.960	45.287	1.020	1.343	1088
1150	2.794	34.271	2.717	27.350	32.005	36.546	40.978	45.306	1.060	0.906	1138
1200	2.724	34.279	2.643	27.363	32.020	36.563	40.997	45.327	1.100	0.913	1187
1250	2.675	34.286	2.592	27.374	32.032	36.578	41.011	45.342	1.140	0.964	1236
1300	2.678	34.307	2.590	27.390	32.048	36.592	41.027	45.358	1.179	1.017	1286
1350	2.557	34.327	2.467	27.417	32.078	36.629	41.064	45.397	1.218	1.740	1335
1400	2.602	34.373	2.508	27.450	32.110	36.656	41.092	45.425	1.254	2.193	1384
1450	2.476	34.478	2.379	27.545	32.207	36.758	41.195	45.530	1.288	1.298	1433
1500	2.452	34.508	2.351	27.571	32.234	36.783	41.222	45.558	1.319	1.560	1483
1555	2.427	34.531	2.321	27.592	32.255	36.805	41.245	45.581	1.352	0.692	1537



STA-207		LAT= 54 12.5 S		LON= 56 55.9 W		SONIC DEPTH 421 m				STA-207	
DATE 25/ 8/80		GMT 2127		CTD# 8							
PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGT	N	DE
dbar	Deg C	o/oo	Deg C							cdh	m
3	4.198	34.178	4.198	27.134	31.749	36.252	40.648	44.941	0.003	-1.686	3
25	4.257	34.167	4.255	27.119	31.733	36.235	40.629	44.921	0.024	-0.837	25
50	4.258	34.166	4.254	27.119	31.732	36.234	40.628	44.920	0.048	-0.098	50
75	4.262	34.166	4.257	27.118	31.732	36.234	40.628	44.920	0.072	-0.192	74
100	4.270	34.167	4.263	27.118	31.732	36.233	40.627	44.919	0.096	0.323	99
125	4.274	34.168	4.265	27.119	31.732	36.234	40.628	44.919	0.120	-0.133	124
150	4.272	34.166	4.261	27.118	31.732	36.234	40.628	44.919	0.144	-0.286	149
175	4.273	34.167	4.261	27.118	31.732	36.234	40.628	44.919	0.168	0.308	174
200	4.275	34.166	4.261	27.118	31.732	36.234	40.628	44.919	0.193	0.441	198
250	4.278	34.170	4.260	27.121	31.735	36.237	40.631	44.922	0.242	0.301	248
300	4.282	34.175	4.261	27.125	31.739	36.240	40.634	44.926	0.290	0.547	297
350	4.287	34.178	4.261	27.127	31.741	36.243	40.637	44.928	0.340	0.472	347
400	4.283	34.181	4.254	27.130	31.744	36.246	40.640	44.932	0.389	0.582	396
449	4.258	34.184	4.229	27.136	31.750	36.253	40.648	44.940	0.437	0.390	445

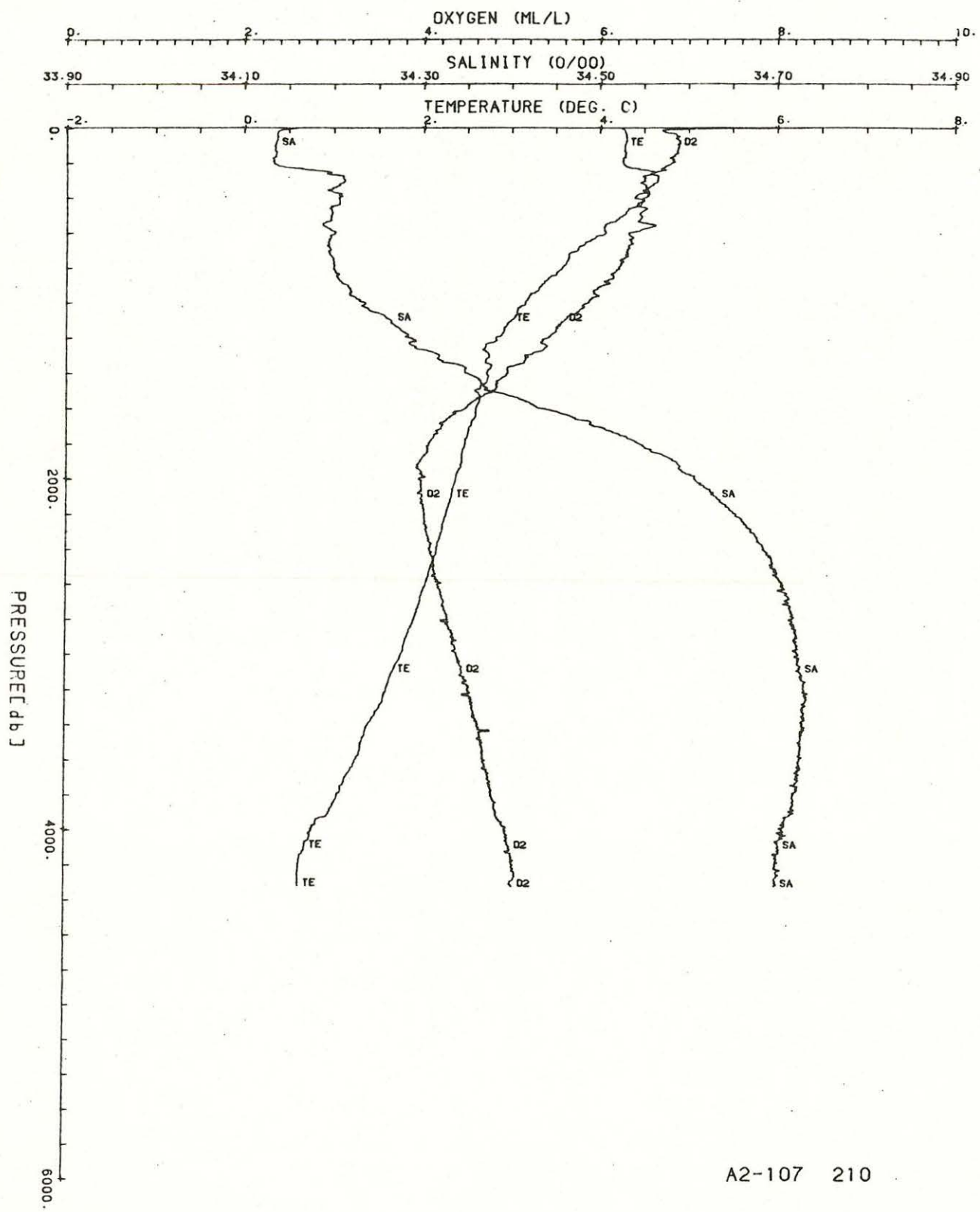
STA-208		LAT= 54 59.9 S		LON= 56 56.4 W		SONIC DEPTH 440 m				STA-208	
DATE 26/ 8/80		GMT 425		CTD# 8							
PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGT	N	DE
dbar	Deg C	o/oo	Deg C							cdh	m
3	4.272	34.144	4.272	27.099	31.713	36.214	40.608	44.899	0.003	-2.668	3
25	4.295	34.120	4.294	27.078	31.691	36.192	40.586	44.877	0.025	-0.764	25
50	4.305	34.120	4.301	27.077	31.690	36.191	40.585	44.875	0.050	0.248	50
75	4.303	34.120	4.297	27.077	31.690	36.191	40.585	44.876	0.075	-0.127	74
100	4.307	34.120	4.300	27.078	31.691	36.192	40.585	44.876	0.100	-0.089	99
125	4.309	34.121	4.300	27.078	31.691	36.192	40.585	44.876	0.125	0.167	124
150	4.313	34.121	4.302	27.078	31.691	36.192	40.585	44.876	0.150	0.416	149
175	4.435	34.146	4.423	27.085	31.695	36.192	40.582	44.870	0.175	1.113	174
200	4.680	34.193	4.669	27.095	31.698	36.189	40.573	44.855	0.200	0.836	198
250	4.632	34.194	4.613	27.102	31.706	36.198	40.584	44.867	0.250	0.493	248
300	4.549	34.188	4.527	27.107	31.719	36.208	40.595	44.880	0.300	0.666	297
350	4.413	34.176	4.387	27.112	31.723	36.221	40.612	44.901	0.350	0.594	347
400	4.397	34.179	4.367	27.117	31.727	36.226	40.618	44.907	0.400	0.642	396
441	4.386	34.182	4.353	27.121	31.732	36.231	40.623	44.912	0.441	0.597	437



A2-107 209

STA-209 LAT= 55 5.5 S LON= 56 55.8 W SONIC DEPTH 2191 m STA-209
 DATE 26/ 8/80 GMT 549 CTD# 8

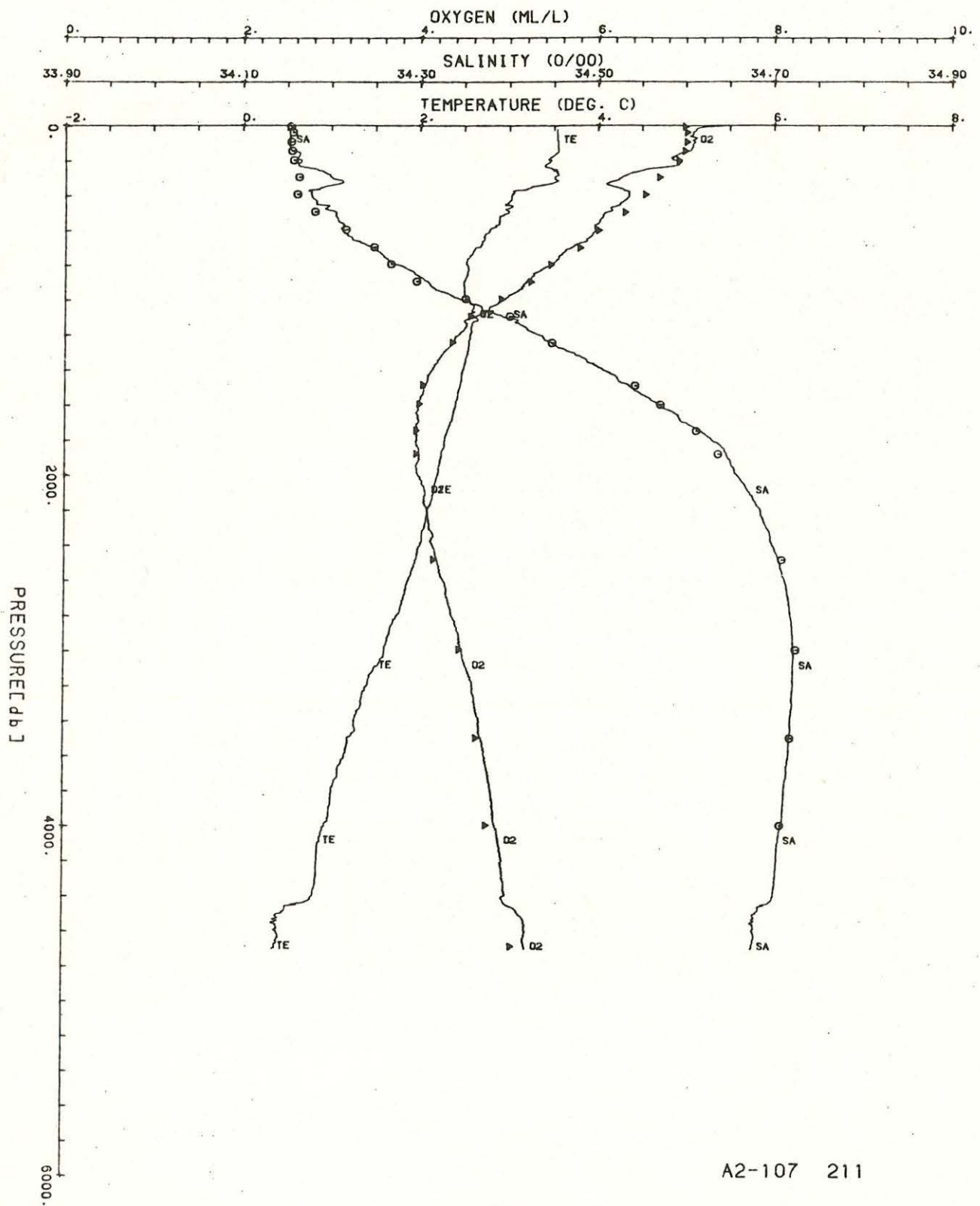
PR	T	S	σ	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	σ/00	σ/00							cdh	m
3	4.480	34.157	4.479	27.087	31.696	36.192	40.581	44.867	0.003	-2.229	3
25	4.505	34.136	4.503	27.068	31.676	36.172	40.560	44.846	0.025	-0.708	25
50	4.507	34.137	4.503	27.069	31.676	36.172	40.560	44.846	0.050	0.745	50
75	4.504	34.143	4.498	27.074	31.682	36.178	40.566	44.852	0.075	0.580	74
100	4.512	34.150	4.505	27.079	31.687	36.182	40.570	44.856	0.100	0.569	99
125	4.512	34.150	4.503	27.079	31.687	36.183	40.571	44.857	0.125	0.143	124
150	4.517	34.151	4.506	27.080	31.687	36.182	40.571	44.857	0.151	-0.152	149
175	4.519	34.151	4.507	27.080	31.687	36.183	40.571	44.857	0.176	0.405	174
200	4.519	34.152	4.504	27.081	31.688	36.184	40.572	44.858	0.201	0.586	198
250	4.410	34.156	4.392	27.096	31.707	36.205	40.596	44.884	0.252	0.973	248
300	4.352	34.156	4.330	27.102	31.714	36.214	40.607	44.897	0.302	0.555	297
350	4.505	34.186	4.479	27.110	31.718	36.214	40.603	44.889	0.352	0.645	347
400	4.389	34.179	4.360	27.118	31.729	36.228	40.619	44.908	0.402	0.657	396
450	4.420	34.190	4.387	27.124	31.734	36.232	40.623	44.911	0.451	0.695	446
500	4.340	34.186	4.303	27.130	31.742	36.242	40.635	44.926	0.501	0.637	495
550	4.307	34.187	4.267	27.134	31.747	36.249	40.643	44.934	0.551	0.544	545
600	4.227	34.187	4.182	27.143	31.759	36.262	40.658	44.951	0.601	0.901	594
650	4.161	34.187	4.113	27.150	31.768	36.273	40.670	44.965	0.650	0.828	644
700	3.899	34.183	3.849	27.174	31.798	36.310	40.715	45.016	0.699	1.534	693
750	3.802	34.195	3.748	27.194	31.821	36.336	40.742	45.046	0.747	0.985	743
800	3.572	34.190	3.516	27.213	31.846	36.367	40.779	45.088	0.794	1.215	792
850	3.469	34.203	3.410	27.233	31.870	36.393	40.808	45.119	0.840	1.067	841
900	3.282	34.200	3.220	27.248	31.890	36.418	40.838	45.154	0.886	1.354	891
950	2.799	34.168	2.737	27.267	31.922	36.463	40.896	45.224	0.930	1.251	940
1000	2.945	34.213	2.878	27.290	31.941	36.478	40.906	45.231	0.973	1.115	990
1050	2.919	34.236	2.849	27.311	31.962	36.500	40.929	45.254	1.016	1.409	1039
1100	2.863	34.254	2.790	27.331	31.984	36.523	40.954	45.280	1.058	1.215	1088
1150	2.821	34.278	2.743	27.354	32.008	36.548	40.980	45.307	1.098	1.279	1138
1200	2.648	34.298	2.568	27.385	32.044	36.589	41.025	45.356	1.138	1.397	1187
1250	2.644	34.329	2.560	27.411	32.069	36.614	41.050	45.381	1.176	1.224	1236
1300	2.588	34.349	2.501	27.431	32.091	36.638	41.075	45.407	1.213	1.329	1285
1350	2.575	34.387	2.485	27.463	32.123	36.669	41.107	45.440	1.249	1.232	1335
1400	2.506	34.404	2.412	27.483	32.145	36.693	41.132	45.467	1.285	1.527	1384
1450	2.483	34.445	2.386	27.518	32.180	36.729	41.168	45.503	1.318	1.248	1433
1500	2.512	34.491	2.410	27.552	32.214	36.762	41.199	45.533	1.351	1.151	1482
1550	2.472	34.524	2.362	27.583	32.246	36.794	41.233	45.568	1.413	1.062	1531
1600	2.411	34.563	2.294	27.619	32.283	36.834	41.274	45.611	1.472	1.106	1679
1650	2.339	34.604	2.214	27.659	32.325	36.877	41.320	45.657	1.529	1.011	1728
1700	2.298	34.626	2.167	27.681	32.348	36.901	41.344	45.683	1.583	0.872	1776
1750	2.280	34.633	2.139	27.688	32.356	36.910	41.354	45.694	1.635	0.577	1824
1800	2.254	34.645	2.105	27.701	32.369	36.924	41.369	45.709	1.687	0.762	2072
1850	2.212	34.660	2.059	27.716	32.386	36.942	41.388	45.730	1.738	0.420	2120
1900	2.211	34.660	2.052	27.717	32.387	36.943	41.389	45.731	1.745	0.528	2168



A2-107 210

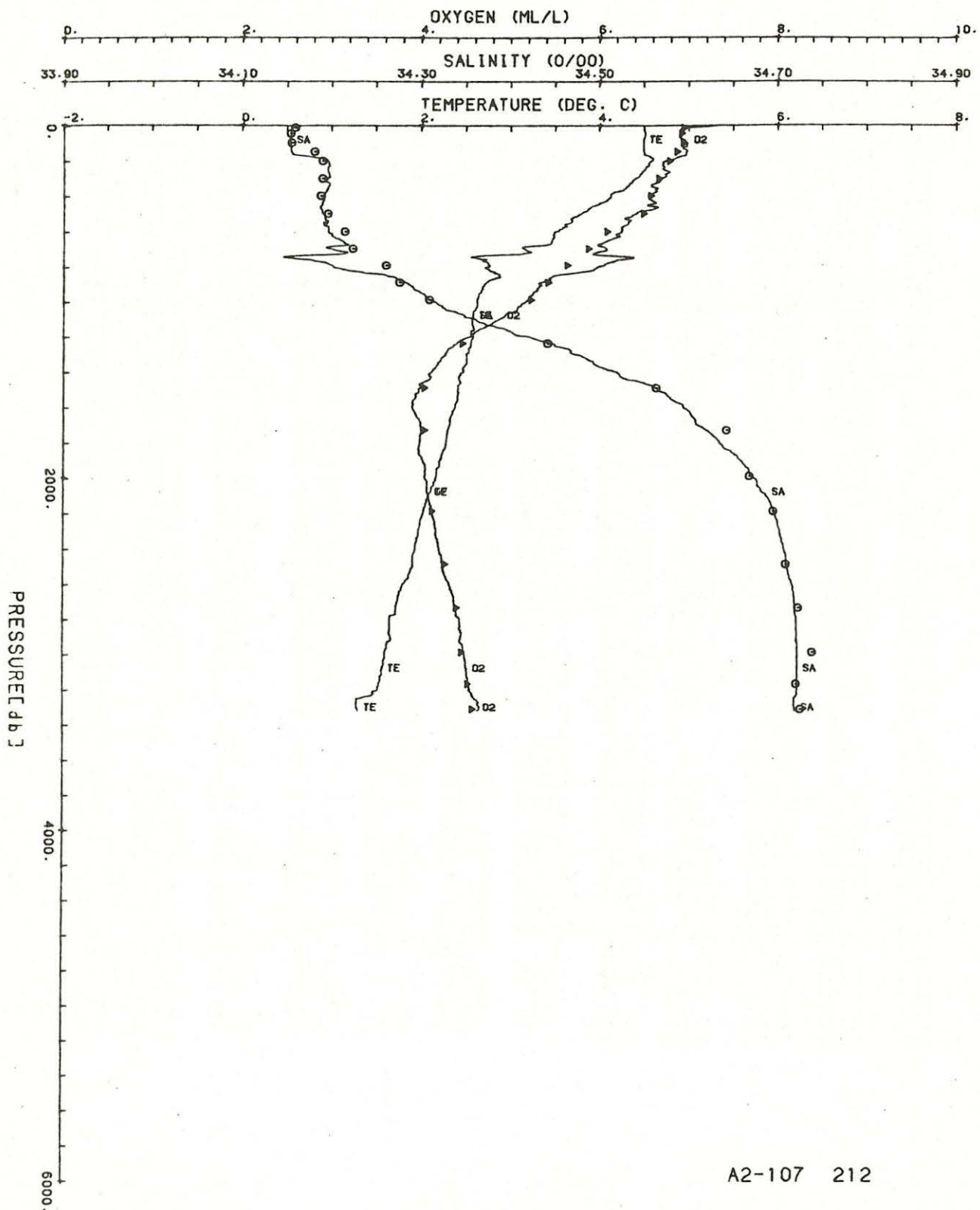
STA-210 LAT= 55 31.4 S LON= 57 0.9 W SONIC DEPTH 4199 m STA-210
 DATE 26/ 8/80 GMT 990 CTD# 8

PR	T	S	σ	SIG-R	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	M	DE
dbar	Deg C	o/oo	Deg C							cof	m
5	4.251	34.157	4.251	27.112	31.726	36.228	40.622	44.914	0.005	-2.364	5
25	4.281	34.137	4.279	27.093	31.707	36.208	40.602	44.893	0.024	-0.705	25
50	4.296	34.137	4.292	27.092	31.705	36.206	40.599	44.890	0.049	-0.189	50
75	4.297	34.136	4.292	27.091	31.704	36.205	40.599	44.890	0.074	0.068	74
100	4.281	34.134	4.274	27.091	31.705	36.206	40.600	44.892	0.098	0.224	99
125	4.279	34.134	4.270	27.092	31.705	36.207	40.601	44.893	0.123	0.251	124
150	4.287	34.135	4.274	27.092	31.706	36.207	40.601	44.892	0.148	-0.235	149
175	4.268	34.132	4.255	27.091	31.706	36.207	40.602	44.894	0.173	0.413	174
200	4.263	34.133	4.249	27.093	31.707	36.209	40.604	44.896	0.198	0.528	198
250	4.602	34.192	4.583	27.104	31.709	36.202	40.588	44.872	0.248	0.914	248
300	4.652	34.212	4.630	27.114	31.718	36.210	40.595	44.877	0.297	0.509	297
350	4.523	34.197	4.497	27.117	31.724	36.220	40.608	44.893	0.347	0.439	347
400	4.503	34.206	4.473	27.127	31.735	36.231	40.619	44.906	0.397	0.824	396
450	4.408	34.198	4.375	27.131	31.742	36.240	40.632	44.920	0.446	1.002	446
500	4.260	34.197	4.224	27.147	31.761	36.253	40.658	44.950	0.495	0.928	495
550	4.066	34.188	4.025	27.160	31.780	36.287	40.687	44.984	0.544	0.979	545
600	4.059	34.202	4.019	27.172	31.792	36.299	40.699	44.996	0.592	0.963	594
650	3.845	34.194	3.799	27.188	31.814	36.327	40.732	45.035	0.640	1.064	644
700	3.731	34.196	3.682	27.201	31.830	36.346	40.754	45.059	0.687	1.063	693
750	3.635	34.200	3.582	27.214	31.845	36.364	40.775	45.082	0.733	0.705	743
800	3.566	34.200	3.510	27.221	31.855	36.378	40.788	45.097	0.780	0.947	792
850	3.430	34.204	3.371	27.238	31.875	36.399	40.815	45.127	0.825	1.128	841
900	3.331	34.216	3.269	27.257	31.897	36.423	40.842	45.157	0.871	1.129	891
950	3.210	34.218	3.145	27.270	31.914	36.444	40.865	45.183	0.915	1.138	940
1000	3.153	34.235	3.089	27.289	31.934	36.465	40.888	45.208	0.959	1.030	990
1050	3.058	34.243	2.986	27.305	31.952	36.486	40.912	45.233	1.002	1.208	1039
1100	2.987	34.264	2.912	27.328	31.977	36.513	40.940	45.264	1.044	1.148	1088
1150	2.915	34.274	2.837	27.343	31.994	36.532	40.961	45.286	1.085	1.036	1138
1200	2.822	34.286	2.741	27.361	32.014	36.555	40.986	45.313	1.126	1.097	1187
1250	2.701	34.291	2.617	27.376	32.033	36.576	41.011	45.341	1.166	1.215	1236
1300	2.741	34.318	2.653	27.394	32.050	36.592	41.026	45.355	1.205	0.735	1285
1350	2.763	34.342	2.670	27.411	32.066	36.608	41.041	45.370	1.243	1.079	1335
1400	2.716	34.351	2.620	27.423	32.080	36.623	41.057	45.386	1.281	0.917	1384
1450	2.707	34.366	2.607	27.436	32.093	36.636	41.070	45.400	1.319	1.052	1433
1500	2.593	34.379	2.490	27.456	32.116	36.652	41.100	45.432	1.355	1.268	1482
1600	2.594	34.439	2.483	27.505	32.165	36.711	41.148	45.480	1.426	1.329	1581
1700	2.524	34.498	2.406	27.559	32.220	36.768	41.206	45.540	1.492	1.289	1679
1800	2.468	34.548	2.342	27.604	32.267	36.815	41.255	45.590	1.554	1.089	1778
1900	2.434	34.588	2.299	27.639	32.303	36.852	41.293	45.629	1.613	0.885	1876
2000	2.364	34.609	2.222	27.662	32.328	36.880	41.322	45.660	1.669	0.950	1974
2100	2.313	34.633	2.163	27.687	32.354	36.907	41.350	45.689	1.724	0.868	2072
2200	2.255	34.655	2.098	27.710	32.378	36.933	41.378	45.719	1.776	0.914	2170
2300	2.205	34.673	2.039	27.729	32.399	36.959	41.402	45.743	1.827	0.817	2268
2400	2.149	34.687	1.975	27.744	32.416	36.974	41.422	45.766	1.876	0.766	2367
2500	2.084	34.695	1.902	27.757	32.431	36.990	41.440	45.785	1.925	0.704	2465
2600	2.026	34.708	1.836	27.772	32.448	37.009	41.461	45.808	1.972	0.760	2563
2700	1.962	34.714	1.764	27.783	32.460	37.024	41.477	45.826	2.018	0.616	2660
2800	1.898	34.717	1.692	27.791	32.470	37.036	41.491	45.841	2.063	0.668	2758
2900	1.818	34.724	1.604	27.802	32.484	37.052	41.510	45.862	2.107	0.644	2856
3000	1.757	34.726	1.534	27.809	32.493	37.063	41.522	45.877	2.150	0.677	2954
3100	1.661	34.727	1.431	27.818	32.505	37.077	41.540	45.897	2.193	0.776	3052
3200	1.592	34.732	1.353	27.827	32.516	37.091	41.555	45.914	2.234	0.656	3149
3300	1.519	34.731	1.272	27.832	32.524	37.101	41.567	45.928	2.275	0.708	3247
3400	1.490	34.730	1.136	27.840	32.536	37.117	41.587	45.951	2.314	0.746	3345
3500	1.317	34.727	1.055	27.844	32.542	37.125	41.597	45.964	2.352	0.555	3442
3600	1.254	34.727	0.984	27.849	32.549	37.134	41.608	45.977	2.390	0.718	3540
3700	1.138	34.725	0.861	27.855	32.558	37.147	41.624	45.996	2.427	0.721	3637
3800	1.052	34.720	0.767	27.857	32.563	37.154	41.635	46.009	2.462	0.627	3734
3900	0.959	34.720	0.666	27.863	32.573	37.167	41.650	46.027	2.497	0.906	3832
4000	0.768	34.709	0.470	27.866	32.581	37.181	41.669	46.052	2.530	0.660	3929
4100	0.688	34.704	0.382	27.867	32.585	37.187	41.678	46.063	2.561	0.673	4026
4200	0.424	34.701	0.309	27.869	32.589	37.193	41.686	46.073	2.592	0.439	4124
4300	0.620	34.701	0.299	27.869	32.590	37.194	41.688	46.075	2.623	-0.262	4221
4319	0.620	34.700	0.293	27.869	32.589	37.194	41.688	46.075	2.628	-0.975	4239



STA-211 LAT= 56 1.2 S LON= 56 55.7 W SONIC DEPTH 4677 m STA-211
 DATE 26/ 8/80 GMT 1527 CTD# 8

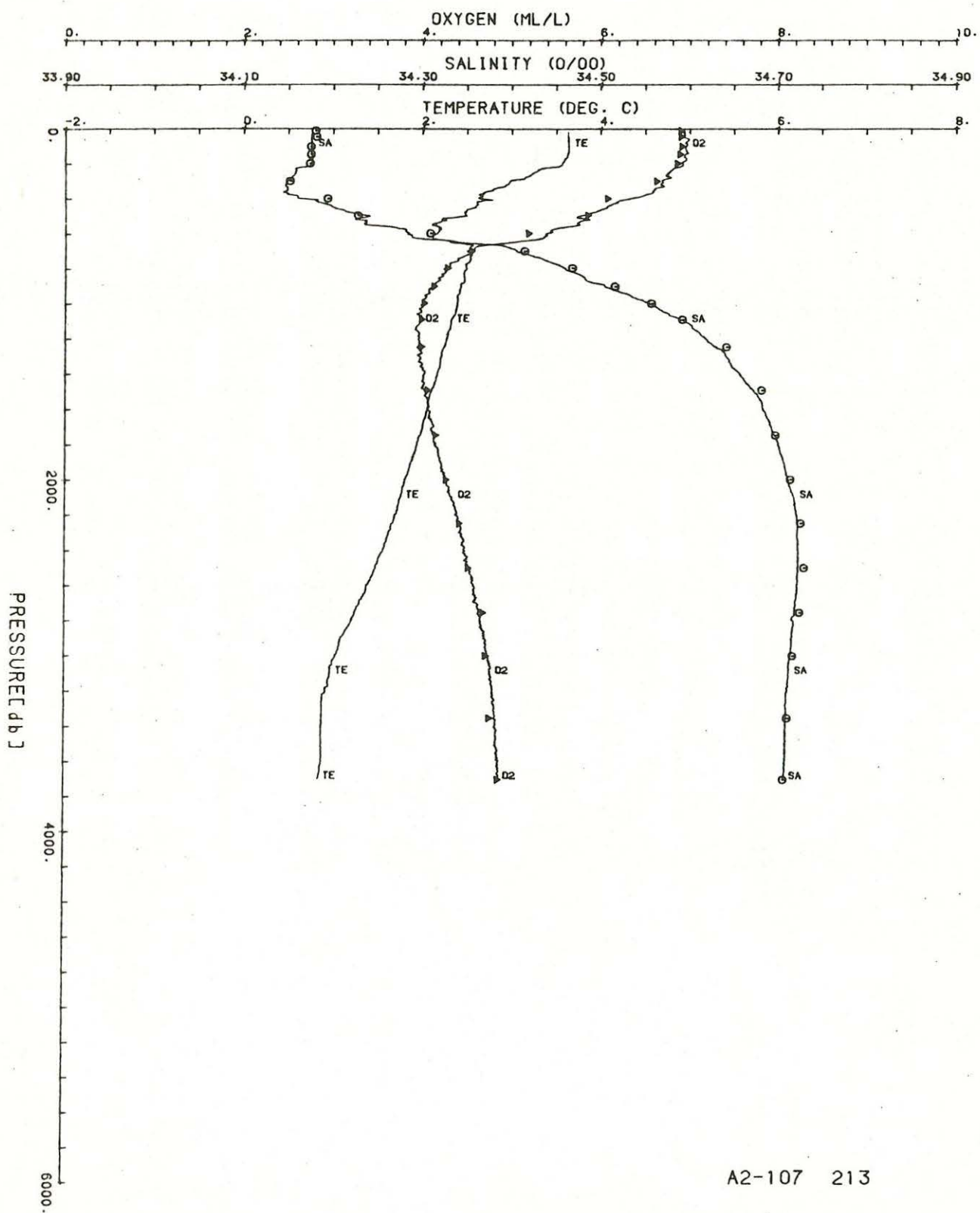
PR	T	S	θ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
hbar	Deg C	o/oo	Deg C							cdh	m
3	3.533	34.158	3.532	27.185	31.819	36.339	40.751	45.060	0.003	-0.088	3
25	3.530	34.153	3.529	27.182	31.815	36.336	40.748	45.057	0.022	-0.395	25
50	3.534	34.152	3.531	27.181	31.814	36.335	40.747	45.056	0.045	-0.713	50
75	3.535	34.152	3.530	27.181	31.814	36.335	40.747	45.056	0.067	-0.184	74
100	3.541	34.152	3.537	27.181	31.814	36.334	40.747	45.055	0.090	0.103	99
125	3.544	34.152	3.539	27.181	31.814	36.334	40.747	45.056	0.113	0.250	124
150	3.544	34.159	3.534	27.186	31.820	36.340	40.752	45.061	0.135	1.313	149
175	3.484	34.163	3.472	27.195	31.830	36.352	40.766	45.076	0.158	0.767	173
200	3.457	34.165	3.444	27.200	31.835	36.358	40.772	45.083	0.180	0.654	198
250	3.497	34.181	3.481	27.208	31.843	36.365	40.778	45.088	0.225	0.876	248
300	3.507	34.200	3.487	27.224	31.858	36.379	40.792	45.102	0.269	1.083	297
350	3.254	34.192	3.231	27.242	31.883	36.411	40.831	45.146	0.312	0.961	347
400	3.021	34.177	2.996	27.251	31.899	36.433	40.859	45.181	0.355	0.676	396
450	2.963	34.185	2.934	27.263	31.912	36.448	40.875	45.198	0.398	0.929	446
500	2.970	34.205	2.939	27.278	31.928	36.463	40.890	45.213	0.440	1.115	495
550	2.880	34.208	2.846	27.289	31.941	36.479	40.908	45.234	0.482	0.852	545
600	2.772	34.214	2.735	27.304	31.958	36.499	40.932	45.260	0.523	1.018	594
650	2.714	34.223	2.674	27.317	31.973	36.515	40.949	45.278	0.564	1.089	644
700	2.627	34.248	2.584	27.344	32.002	36.547	40.983	45.314	0.604	1.307	693
750	2.552	34.259	2.509	27.359	32.020	36.567	41.005	45.338	0.642	1.040	742
800	2.525	34.277	2.475	27.376	32.037	36.585	41.023	45.357	0.681	1.034	792
850	2.523	34.294	2.470	27.390	32.052	36.599	41.038	45.371	0.718	0.979	841
900	2.484	34.310	2.427	27.406	32.069	36.617	41.057	45.391	0.755	0.810	891
950	2.490	34.324	2.430	27.417	32.079	36.628	41.067	45.402	0.792	1.110	940
1000	2.537	34.350	2.473	27.434	32.095	36.642	41.080	45.413	0.828	0.918	989
1050	2.588	34.370	2.520	27.446	32.106	36.651	41.088	45.420	0.863	0.973	1039
1100	2.614	34.399	2.542	27.468	32.127	36.671	41.107	45.438	0.898	1.008	1088
1150	2.571	34.418	2.499	27.487	32.147	36.692	41.129	45.461	0.932	0.965	1137
1200	2.557	34.436	2.478	27.503	32.163	36.709	41.148	45.478	0.966	1.045	1187
1250	2.541	34.450	2.458	27.516	32.176	36.723	41.160	45.493	0.999	1.021	1236
1300	2.527	34.474	2.440	27.536	32.197	36.744	41.181	45.515	1.031	1.148	1285
1350	2.502	34.489	2.412	27.551	32.212	36.760	41.198	45.532	1.063	1.030	1334
1400	2.474	34.509	2.380	27.570	32.232	36.780	41.219	45.553	1.094	1.110	1384
1450	2.457	34.524	2.360	27.583	32.246	36.794	41.234	45.569	1.124	0.807	1433
1500	2.439	34.541	2.337	27.598	32.261	36.810	41.250	45.586	1.153	0.982	1482
1600	2.394	34.572	2.285	27.628	32.292	36.842	41.283	45.620	1.211	1.035	1581
1700	2.338	34.602	2.222	27.657	32.323	36.875	41.317	45.655	1.266	1.041	1679
1800	2.275	34.632	2.151	27.687	32.354	36.908	41.352	45.691	1.319	0.920	1777
1900	2.231	34.650	2.099	27.705	32.374	36.929	41.374	45.715	1.370	0.661	1876
2000	2.195	34.661	2.059	27.718	32.388	36.943	41.390	45.731	1.420	0.747	1974
2100	2.152	34.675	2.005	27.733	32.404	36.962	41.408	45.751	1.469	0.709	2072
2200	2.087	34.687	1.932	27.748	32.422	36.980	41.430	45.774	1.516	0.703	2170
2300	2.051	34.695	1.888	27.758	32.432	36.992	41.442	45.788	1.563	0.726	2268
2400	2.005	34.701	1.833	27.767	32.443	37.004	41.456	45.803	1.610	0.723	2366
2500	1.948	34.709	1.768	27.778	32.456	37.019	41.473	45.821	1.655	0.689	2464
2600	1.874	34.715	1.687	27.789	32.469	37.034	41.490	45.840	1.699	0.736	2562
2700	1.818	34.719	1.623	27.797	32.479	37.046	41.503	45.855	1.743	0.617	2660
2800	1.750	34.722	1.546	27.805	32.489	37.058	41.518	45.872	1.786	0.792	2758
2900	1.664	34.724	1.453	27.814	32.500	37.072	41.534	45.890	1.828	0.601	2856
3000	1.605	34.725	1.386	27.819	32.508	37.081	41.545	45.903	1.869	0.539	2953
3100	1.492	34.725	1.269	27.828	32.519	37.096	41.563	45.924	1.909	0.851	3051
3200	1.412	34.725	1.177	27.833	32.528	37.107	41.577	45.940	1.949	0.653	3149
3300	1.347	34.724	1.109	27.838	32.534	37.116	41.587	45.952	1.987	0.528	3246
3400	1.268	34.722	1.017	27.842	32.541	37.125	41.599	45.966	2.025	0.408	3344
3500	1.196	34.721	0.937	27.846	32.548	37.134	41.610	45.979	2.062	0.735	3442
3600	1.156	34.720	0.888	27.849	32.552	37.139	41.616	45.988	2.099	0.608	3539
3700	1.084	34.718	0.808	27.852	32.558	37.147	41.627	46.000	2.135	0.516	3637
3800	1.015	34.715	0.730	27.855	32.563	37.155	41.636	46.011	2.170	0.467	3734
3900	0.988	34.714	0.694	27.856	32.565	37.158	41.641	46.017	2.205	0.428	3831
4000	0.936	34.712	0.633	27.858	32.569	37.164	41.648	46.026	2.240	0.677	3929
4100	0.868	34.708	0.556	27.860	32.573	37.170	41.656	46.036	2.274	0.495	4026
4200	0.854	34.707	0.532	27.861	32.574	37.172	41.659	46.040	2.307	0.317	4123
4300	0.843	34.706	0.510	27.861	32.575	37.173	41.661	46.042	2.341	0.355	4220
4400	0.802	34.703	0.460	27.862	32.577	37.177	41.666	46.049	2.375	0.864	4318
4500	0.441	34.683	0.099	27.865	32.592	37.202	41.702	46.094	2.406	0.938	4415
4600	0.397	34.680	0.048	27.866	32.594	37.207	41.707	46.101	2.435	-0.372	4512
4700	0.362	34.671	0.001	27.861	32.591	37.204	41.708	46.102	2.463	0.599	4609



A2-107 212

STA-212 LAT= 56 29.5 S LON= 56 59.1 W SONIC DEPTH 3448 m STA-212
 DATE 26/ 8/80 GMT 2048 CTD# 8

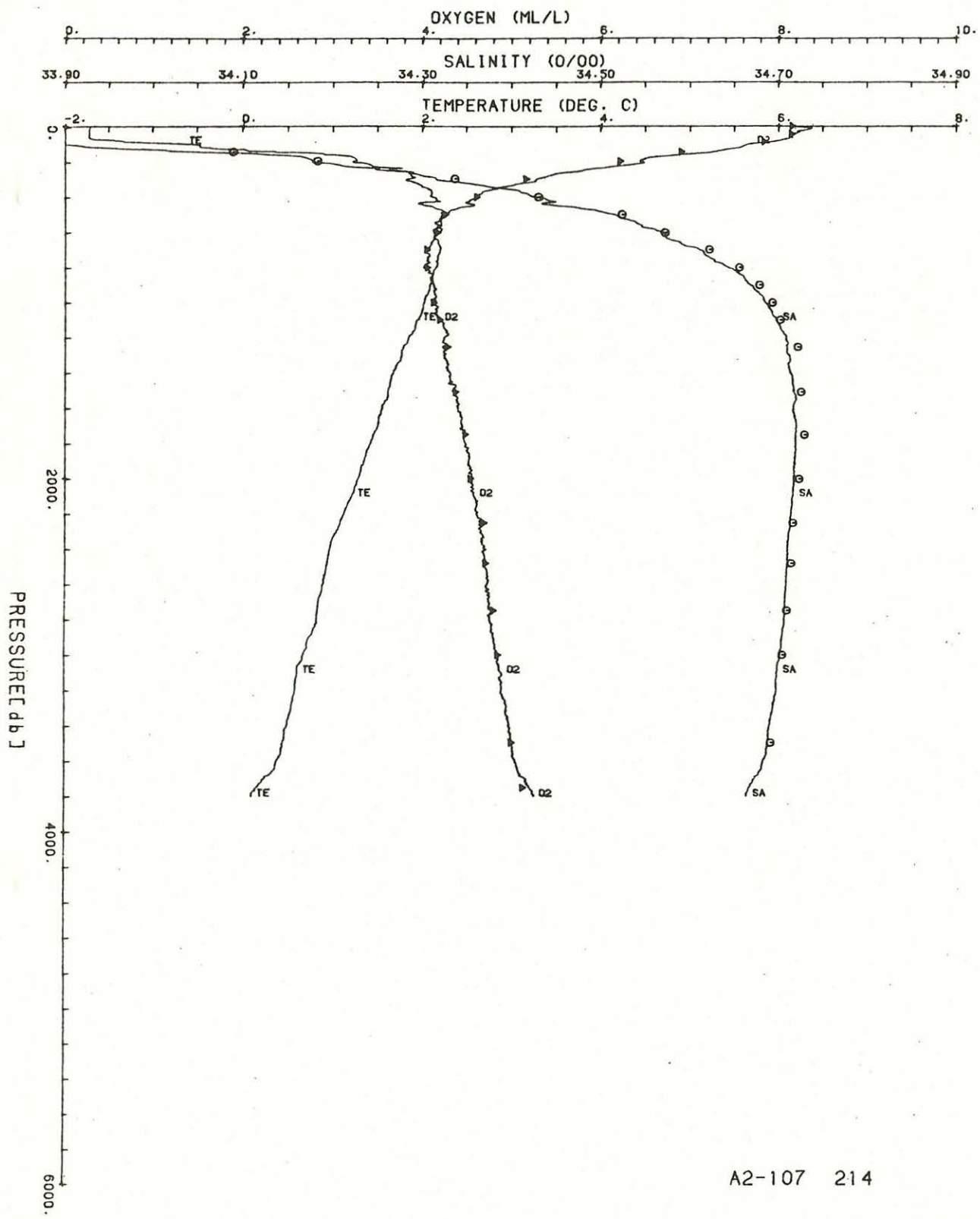
PR	T	S	σ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cdh	m
3	4.493	34.165	4.493	27.092	31.700	36.195	40.584	44.870	0.003	-1.551	3
25	4.505	34.154	4.503	27.083	31.690	36.186	40.574	44.860	0.025	-0.501	25
50	4.511	34.154	4.507	27.082	31.689	36.185	40.573	44.859	0.050	0.271	50
75	4.499	34.153	4.494	27.083	31.691	36.186	40.575	44.861	0.074	0.470	74
100	4.492	34.154	4.484	27.084	31.692	36.188	40.577	44.863	0.099	0.760	99
125	4.494	34.154	4.489	27.084	31.692	36.188	40.577	44.863	0.124	0.123	124
150	4.499	34.155	4.488	27.085	31.693	36.189	40.577	44.864	0.149	0.319	149
175	4.561	34.176	4.548	27.095	31.701	36.195	40.582	44.867	0.174	1.560	174
200	4.588	34.196	4.571	27.108	31.714	36.207	40.594	44.878	0.199	0.892	198
250	4.507	34.196	4.488	27.117	31.725	36.220	40.609	44.895	0.248	0.812	248
300	4.404	34.195	4.382	27.128	31.739	36.237	40.628	44.916	0.297	0.868	297
350	4.301	34.196	4.278	27.140	31.754	36.254	40.648	44.939	0.346	0.881	347
400	4.128	34.192	4.099	27.156	31.774	36.279	40.677	44.972	0.394	0.710	396
450	3.968	34.189	3.936	27.170	31.792	36.302	40.704	45.003	0.442	1.215	446
500	3.788	34.191	3.751	27.191	31.818	36.332	40.739	45.042	0.489	1.273	495
550	3.673	34.194	3.639	27.204	31.834	36.351	40.761	45.067	0.535	0.862	545
600	3.514	34.196	3.473	27.222	31.857	36.378	40.792	45.102	0.581	1.129	594
650	3.464	34.211	3.420	27.239	31.875	36.398	40.812	45.123	0.626	1.144	644
700	3.154	34.201	3.108	27.260	31.905	36.436	40.859	45.177	0.670	1.214	693
750	2.595	34.153	2.548	27.271	31.931	36.478	40.915	45.248	0.713	1.369	743
800	2.747	34.202	2.696	27.298	31.953	36.496	40.929	45.258	0.755	1.179	792
850	2.864	34.261	2.809	27.335	31.987	36.528	40.956	45.281	0.796	1.563	841
900	2.708	34.286	2.648	27.369	32.025	36.568	41.002	45.331	0.836	1.246	891
950	2.656	34.299	2.594	27.384	32.042	36.586	41.021	45.352	0.874	1.100	940
1000	2.614	34.313	2.550	27.399	32.058	36.603	41.039	45.371	0.912	0.980	989
1050	2.594	34.329	2.526	27.413	32.073	36.618	41.055	45.387	0.949	1.276	1039
1100	2.563	34.358	2.492	27.439	32.099	36.646	41.089	45.416	0.985	1.156	1088
1150	2.573	34.386	2.497	27.461	32.121	36.667	41.104	45.437	1.021	1.312	1137
1200	2.561	34.415	2.482	27.486	32.146	36.692	41.129	45.462	1.055	1.330	1187
1250	2.543	34.449	2.460	27.515	32.176	36.722	41.159	45.492	1.088	1.322	1236
1300	2.505	34.471	2.418	27.536	32.197	36.744	41.183	45.517	1.121	1.160	1285
1350	2.498	34.494	2.406	27.555	32.217	36.764	41.203	45.537	1.152	0.982	1334
1400	2.461	34.518	2.367	27.578	32.240	36.789	41.228	45.563	1.183	1.237	1384
1450	2.417	34.538	2.320	27.598	32.262	36.811	41.251	45.587	1.212	1.325	1433
1500	2.400	34.566	2.299	27.622	32.288	36.838	41.278	45.612	1.241	0.923	1482
1600	2.369	34.595	2.260	27.648	32.313	36.864	41.305	45.642	1.297	0.974	1581
1700	2.309	34.611	2.193	27.666	32.333	36.889	41.328	45.666	1.350	0.860	1679
1800	2.269	34.636	2.146	27.690	32.358	36.911	41.355	45.695	1.402	0.816	1777
1900	2.704	34.660	2.073	27.715	32.384	36.940	41.385	45.726	1.453	0.862	1876
2000	2.155	34.675	2.016	27.732	32.402	36.959	41.406	45.749	1.501	0.729	1974
2100	2.075	34.689	1.929	27.749	32.423	36.982	41.431	45.776	1.549	0.867	2072
2200	2.016	34.698	1.862	27.762	32.437	36.998	41.449	45.795	1.594	0.684	2170
2300	1.965	34.704	1.803	27.771	32.448	37.010	41.463	45.811	1.640	0.566	2268
2400	1.928	34.708	1.758	27.778	32.456	37.020	41.474	45.822	1.684	0.612	2366
2500	1.900	34.711	1.721	27.784	32.463	37.027	41.482	45.831	1.728	0.556	2464
2600	1.801	34.718	1.619	27.797	32.479	37.048	41.503	45.856	1.772	0.838	2562
2700	1.734	34.720	1.540	27.804	32.488	37.058	41.517	45.871	1.814	0.537	2660
2800	1.648	34.723	1.447	27.813	32.500	37.072	41.534	45.890	1.856	0.689	2758
2900	1.658	34.723	1.447	27.813	32.500	37.072	41.534	45.890	1.897	0.406	2856
3000	1.595	34.724	1.376	27.819	32.508	37.082	41.546	45.904	1.938	0.471	2953
3100	1.562	34.724	1.334	27.822	32.512	37.087	41.552	45.911	1.979	0.492	3051
3200	1.516	34.724	1.279	27.826	32.517	37.094	41.561	45.921	2.020	0.890	3149
3300	1.285	34.721	1.044	27.840	32.538	37.121	41.594	45.961	2.058	0.469	3246
3321	1.299	34.722	1.056	27.839	32.537	37.120	41.593	45.959	2.066	-0.624	3267



A2-107 213

STA-213 LAT= 57 15.5 S LON= 57 4.3 W SONIC DEPTH 3638 m STA-213
 DATE 27/ 8/90 GMT 1131 CTD# 8

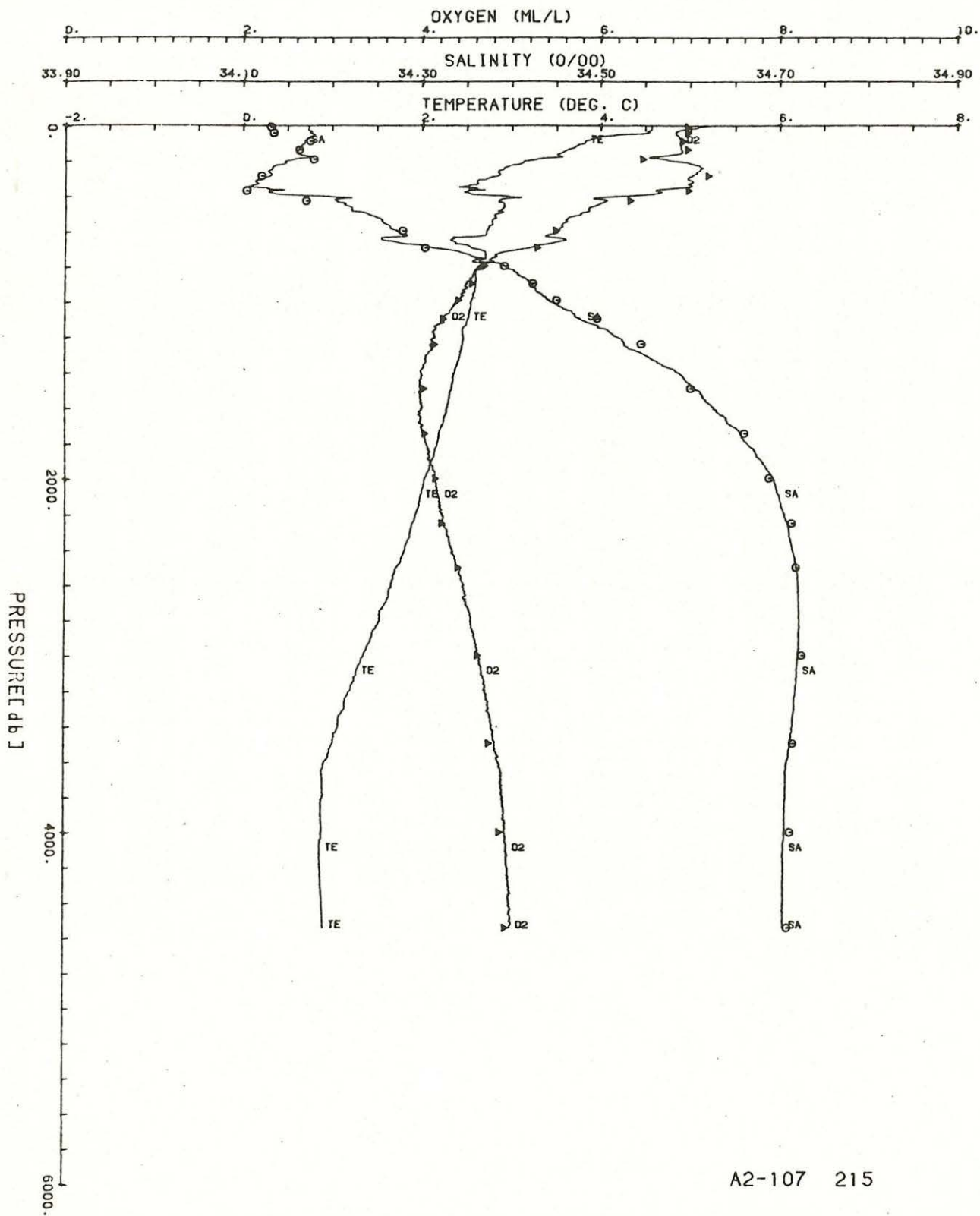
PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cpb	m
19	3.630	34.176	3.629	27.190	31.821	36.339	40.748	45.055	0.017	0.345	19
25	3.631	34.176	3.629	27.190	31.821	36.339	40.748	45.055	0.022	-0.357	25
50	3.634	34.175	3.631	27.190	31.820	36.339	40.748	45.054	0.044	-0.380	50
75	3.634	34.176	3.630	27.190	31.821	36.338	40.748	45.055	0.067	0.293	74
100	3.637	34.176	3.631	27.190	31.821	36.338	40.748	45.054	0.089	-0.171	99
125	3.637	34.176	3.629	27.190	31.821	36.338	40.748	45.055	0.112	-0.242	124
150	3.623	34.176	3.613	27.192	31.823	36.341	40.751	45.058	0.134	0.626	149
175	3.592	34.177	3.580	27.196	31.828	36.347	40.758	45.065	0.156	0.726	173
200	3.561	34.176	3.548	27.198	31.831	36.351	40.763	45.071	0.179	0.803	198
250	3.241	34.158	3.229	27.215	31.856	36.389	40.809	45.121	0.223	0.929	247
300	2.974	34.148	2.958	27.231	31.880	36.416	40.843	45.166	0.267	1.033	297
350	2.764	34.148	2.743	27.251	31.905	36.447	40.879	45.208	0.310	1.328	346
400	2.720	34.177	2.696	27.278	31.934	36.476	40.909	45.239	0.352	1.490	396
450	2.556	34.204	2.529	27.313	31.974	36.520	40.958	45.291	0.393	1.572	445
500	2.392	34.237	2.362	27.354	32.018	36.569	41.011	45.348	0.432	1.552	495
550	2.142	34.253	2.110	27.387	32.059	36.616	41.064	45.408	0.469	1.636	544
600	2.128	34.286	2.094	27.415	32.087	36.644	41.093	45.436	0.504	1.103	593
650	2.421	34.360	2.392	27.450	32.113	36.663	41.103	45.438	0.539	1.528	643
700	2.550	34.409	2.507	27.479	32.138	36.684	41.120	45.452	0.572	1.169	692
750	2.525	34.440	2.478	27.506	32.166	36.712	41.149	45.482	0.604	1.316	741
800	2.482	34.462	2.432	27.527	32.188	36.735	41.173	45.507	0.635	1.133	791
850	2.465	34.483	2.412	27.546	32.207	36.755	41.193	45.527	0.666	0.813	840
900	2.423	34.507	2.367	27.569	32.232	36.780	41.220	45.554	0.695	1.241	889
950	2.388	34.535	2.328	27.594	32.257	36.807	41.247	45.583	0.724	1.177	939
1000	2.384	34.558	2.321	27.614	32.277	36.826	41.266	45.602	0.751	1.039	988
1050	2.362	34.576	2.295	27.630	32.294	36.844	41.284	45.621	0.778	1.123	1037
1100	2.315	34.597	2.246	27.651	32.316	36.867	41.309	45.646	0.804	1.045	1086
1150	2.294	34.609	2.221	27.662	32.328	36.880	41.322	45.660	0.830	0.946	1136
1200	2.265	34.620	2.189	27.674	32.340	36.893	41.336	45.674	0.855	0.872	1185
1250	2.232	34.633	2.151	27.687	32.355	36.908	41.352	45.691	0.879	1.070	1234
1300	2.204	34.642	2.120	27.697	32.366	36.920	41.364	45.704	0.903	0.683	1283
1350	2.190	34.648	2.103	27.703	32.372	36.927	41.372	45.712	0.927	0.722	1332
1400	2.161	34.658	2.071	27.714	32.383	36.939	41.385	45.726	0.951	0.773	1382
1450	2.132	34.665	2.038	27.722	32.393	36.949	41.395	45.737	0.974	0.839	1431
1500	2.092	34.675	1.999	27.733	32.405	36.962	41.410	45.753	0.996	0.814	1480
1600	2.049	34.685	1.944	27.745	32.418	36.977	41.426	45.770	1.041	0.600	1578
1700	1.996	34.694	1.884	27.757	32.432	36.992	41.442	45.788	1.085	0.637	1676
1800	1.933	34.702	1.814	27.769	32.445	37.007	41.460	45.807	1.128	0.611	1775
1900	1.868	34.708	1.741	27.780	32.458	37.022	41.476	45.825	1.170	0.658	1873
2000	1.802	34.713	1.668	27.789	32.470	37.035	41.492	45.843	1.211	0.670	1971
2100	1.753	34.720	1.612	27.799	32.481	37.048	41.508	45.858	1.252	0.627	2069
2200	1.693	34.723	1.544	27.806	32.490	37.059	41.519	45.873	1.292	0.637	2167
2300	1.623	34.724	1.467	27.812	32.499	37.070	41.531	45.887	1.331	0.562	2265
2400	1.558	34.725	1.399	27.818	32.507	37.080	41.543	45.901	1.370	0.663	2363
2500	1.475	34.724	1.304	27.825	32.515	37.091	41.557	45.917	1.408	0.580	2460
2600	1.378	34.724	1.200	27.831	32.525	37.104	41.572	45.935	1.445	0.603	2558
2700	1.299	34.722	1.114	27.835	32.532	37.113	41.584	45.949	1.482	0.652	2656
2800	1.210	34.720	1.014	27.840	32.539	37.123	41.597	45.964	1.517	0.658	2754
2900	1.092	34.718	0.893	27.847	32.549	37.137	41.614	45.985	1.552	0.644	2851
3000	1.032	34.716	0.829	27.850	32.554	37.144	41.623	45.995	1.586	0.611	2949
3100	0.970	34.714	0.759	27.853	32.559	37.151	41.632	46.006	1.620	0.429	3047
3200	0.922	34.713	0.700	27.855	32.563	37.156	41.639	46.015	1.653	0.605	3144
3300	0.883	34.712	0.652	27.857	32.567	37.161	41.645	46.022	1.685	0.230	3242
3400	0.876	34.711	0.639	27.858	32.568	37.163	41.647	46.025	1.718	0.277	3339
3500	0.877	34.711	0.626	27.858	32.569	37.164	41.648	46.026	1.751	0.156	3437
3600	0.877	34.711	0.616	27.858	32.569	37.165	41.649	46.028	1.784	0.258	3534
3695	0.839	34.708	0.570	27.859	32.572	37.168	41.654	46.034	1.815	0.453	3626



A2-107 214

STA-214 LAT= 57 43.3 S LON= 56 57.1 W SONIC DEPTH 3769 m STA-214
 DATE 27/ 8/80 GMT 1642 CTD# 8

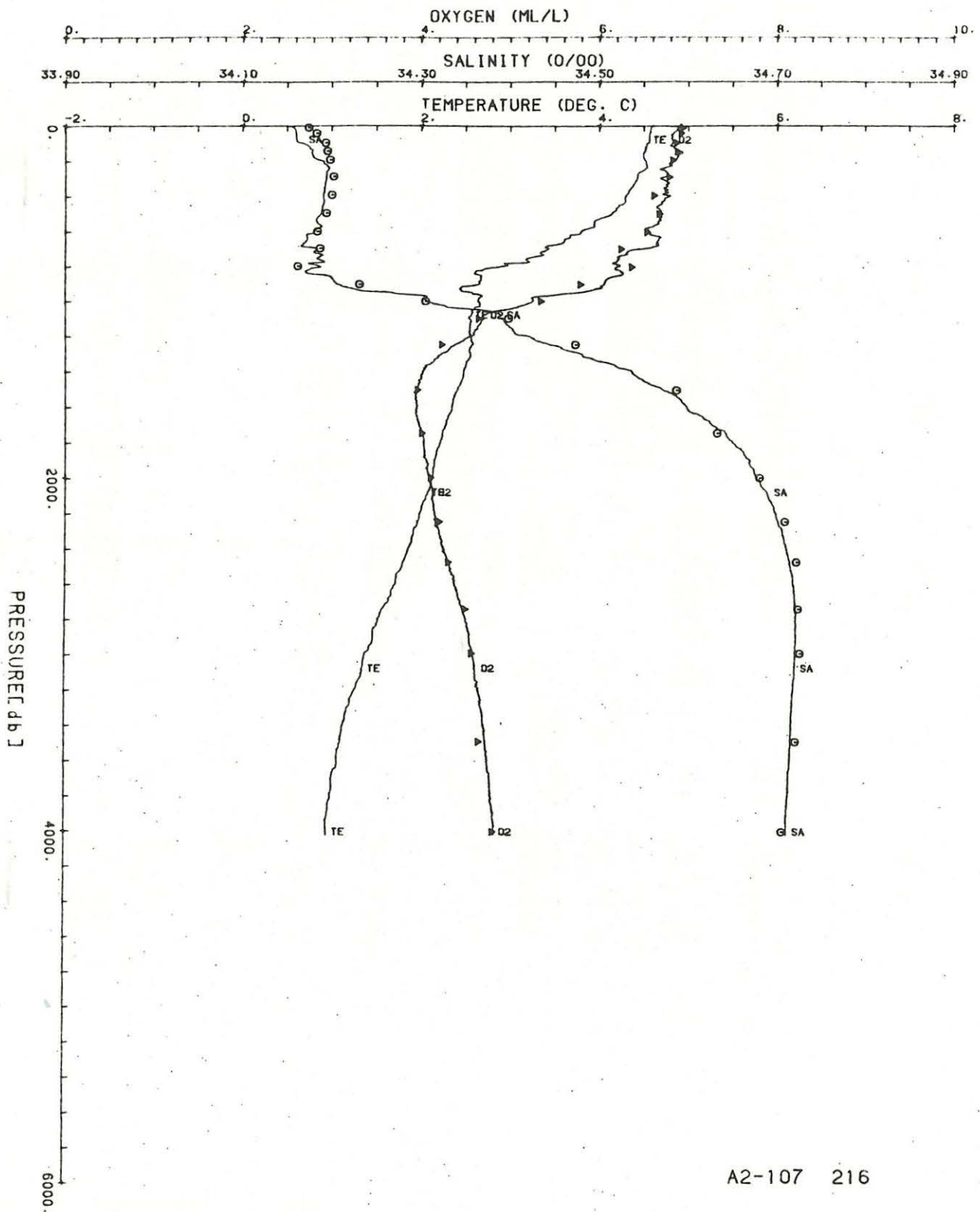
PR	T	S	θ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cmh	m
3	-1.711	33.755	-1.711	27.186	31.977	36.649	41.209	45.659	0.003	1.357	3
25	-1.728	33.764	-1.729	27.194	31.985	36.658	41.218	45.668	0.022	0.447	25
50	-1.730	33.768	-1.731	27.197	31.988	36.661	41.221	45.672	0.044	0.874	50
75	-1.565	33.796	-1.566	27.216	32.001	36.669	41.223	45.669	0.066	2.068	74
100	-0.623	33.897	-0.626	27.266	32.021	36.660	41.186	45.605	0.087	2.310	99
125	-0.270	33.969	-0.274	27.308	32.052	36.680	41.196	45.604	0.107	2.727	124
150	0.621	34.087	0.619	27.357	32.074	36.674	41.164	45.548	0.125	2.168	149
175	1.222	34.167	1.214	27.384	32.082	36.665	41.138	45.505	0.143	1.246	173
200	1.247	34.177	1.237	27.390	32.087	36.670	41.142	45.508	0.161	1.224	198
250	1.704	34.257	1.692	27.423	32.106	36.679	41.134	45.488	0.195	1.499	248
300	1.856	34.316	1.840	27.459	32.137	36.702	41.157	45.506	0.228	1.667	297
350	2.049	34.391	2.030	27.503	32.176	36.735	41.184	45.529	0.260	1.451	347
400	2.120	34.430	2.097	27.529	32.200	36.756	41.203	45.546	0.289	1.130	396
450	2.065	34.458	2.039	27.557	32.229	36.787	41.239	45.578	0.318	1.500	446
500	2.232	34.517	2.203	27.590	32.257	36.810	41.254	45.593	0.345	1.317	495
550	2.216	34.542	2.184	27.612	32.279	36.833	41.276	45.616	0.372	1.019	545
600	2.189	34.571	2.154	27.637	32.305	36.859	41.303	45.643	0.397	1.188	594
650	2.180	34.587	2.142	27.651	32.319	36.873	41.318	45.658	0.422	0.962	643
700	2.201	34.613	2.159	27.671	32.338	36.891	41.339	45.675	0.446	1.041	693
750	2.177	34.626	2.132	27.683	32.351	36.905	41.350	45.690	0.469	0.985	742
800	2.156	34.645	2.108	27.701	32.369	36.924	41.369	45.709	0.492	1.138	792
850	2.118	34.661	2.067	27.717	32.386	36.942	41.388	45.729	0.514	0.807	841
900	2.091	34.670	2.037	27.726	32.397	36.953	41.400	45.742	0.535	0.879	890
950	2.063	34.680	2.008	27.737	32.408	36.969	41.412	45.755	0.556	0.936	940
1000	2.022	34.687	1.962	27.746	32.418	36.976	41.424	45.768	0.577	0.742	989
1050	1.999	34.694	1.936	27.753	32.426	36.985	41.434	45.778	0.597	0.668	1038
1100	1.949	34.699	1.882	27.762	32.436	36.996	41.447	45.793	0.617	0.844	1088
1150	1.920	34.704	1.850	27.768	32.444	37.005	41.456	45.802	0.637	0.731	1137
1200	1.849	34.710	1.776	27.779	32.456	37.019	41.472	45.820	0.657	0.742	1186
1250	1.795	34.711	1.719	27.784	32.463	37.027	41.482	45.832	0.676	0.657	1235
1300	1.772	34.714	1.692	27.788	32.468	37.033	41.489	45.839	0.695	0.588	1285
1350	1.721	34.713	1.639	27.791	32.473	37.039	41.496	45.848	0.714	0.649	1334
1400	1.677	34.716	1.592	27.797	32.480	37.048	41.506	45.859	0.733	0.741	1383
1450	1.646	34.718	1.558	27.801	32.485	37.053	41.512	45.866	0.751	0.443	1432
1500	1.620	34.719	1.527	27.804	32.489	37.058	41.518	45.873	0.769	0.501	1482
1600	1.554	34.719	1.459	27.809	32.496	37.068	41.529	45.886	0.806	0.531	1580
1700	1.505	34.722	1.399	27.816	32.504	37.077	41.541	45.898	0.842	0.506	1678
1800	1.422	34.721	1.309	27.822	32.512	37.088	41.554	45.914	0.877	0.584	1777
1900	1.351	34.720	1.232	27.826	32.519	37.097	41.565	45.927	0.912	0.403	1875
2000	1.288	34.719	1.162	27.830	32.525	37.105	41.575	45.939	0.947	0.535	1973
2100	1.215	34.718	1.083	27.835	32.532	37.114	41.586	45.952	0.981	0.583	2071
2200	1.130	34.716	0.991	27.839	32.539	37.124	41.598	45.967	1.015	0.548	2169
2300	1.046	34.714	0.900	27.843	32.546	37.133	41.610	45.981	1.048	0.617	2267
2400	0.970	34.712	0.817	27.847	32.552	37.142	41.621	45.994	1.080	0.431	2365
2500	0.934	34.712	0.773	27.850	32.556	37.147	41.627	46.001	1.112	0.386	2463
2600	0.897	34.711	0.728	27.852	32.559	37.151	41.633	46.008	1.144	0.412	2561
2700	0.847	34.709	0.671	27.854	32.563	37.157	41.640	46.017	1.175	0.411	2659
2800	0.826	34.709	0.642	27.855	32.565	37.160	41.644	46.022	1.207	0.251	2757
2900	0.744	34.706	0.553	27.858	32.571	37.168	41.655	46.035	1.238	0.629	2855
3000	0.679	34.704	0.481	27.861	32.576	37.175	41.664	46.046	1.268	0.542	2952
3100	0.612	34.700	0.408	27.862	32.579	37.181	41.672	46.056	1.298	0.355	3050
3200	0.587	34.699	0.372	27.864	32.582	37.189	41.678	46.061	1.327	0.351	3148
3300	0.547	34.696	0.324	27.864	32.583	37.187	41.680	46.066	1.356	0.393	3245
3400	0.498	34.692	0.267	27.864	32.585	37.191	41.685	46.073	1.385	0.472	3343
3500	0.450	34.690	0.210	27.865	32.588	37.195	41.691	46.081	1.413	0.443	3440
3600	0.384	34.685	0.137	27.865	32.590	37.200	41.698	46.089	1.442	0.522	3538
3700	0.246	34.675	-0.007	27.865	32.594	37.208	41.710	46.106	1.469	0.922	3635
3799	0.110	34.666	-0.149	27.865	32.599	37.217	41.723	46.122	1.495	0.706	3732



A2-107 215

STA-215 LAT= 56 48.9 S LON= 58 16.9 W SONIC DEPTH 4457 m STA-215
 DATE 29/ 8/90 GMT 8:07 CTD# 8

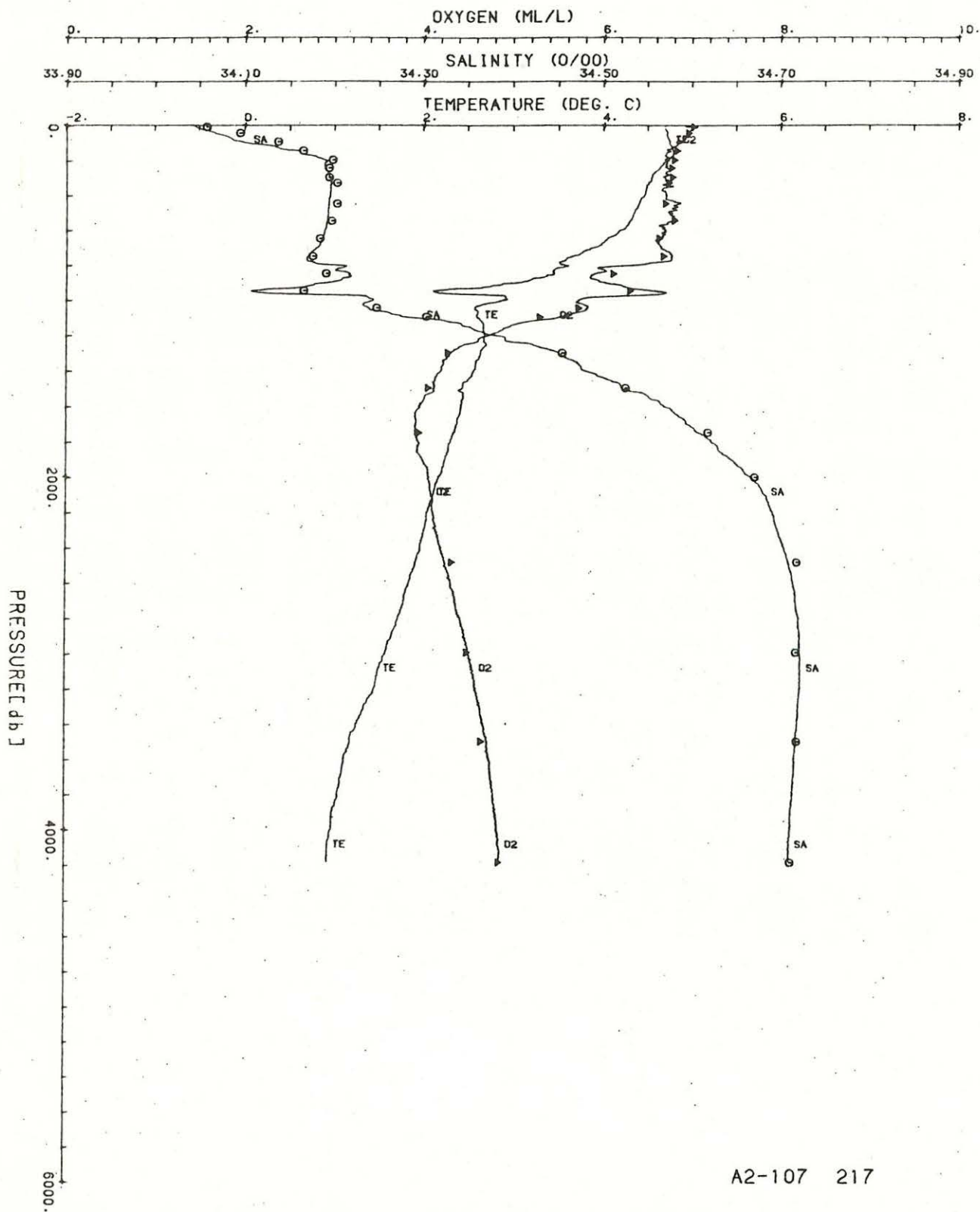
PR	T	S	θ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							coh	m
3	4.561	34.172	4.560	27.090	31.696	36.190	40.577	44.861	0.003	-0.100	3
25	4.559	34.174	4.557	27.092	31.698	36.192	40.579	44.863	0.025	1.120	25
50	4.312	34.179	4.308	27.123	31.736	36.236	40.629	44.919	0.049	2.904	50
75	3.903	34.172	3.899	27.160	31.783	36.294	40.697	44.997	0.072	1.345	74
100	3.807	34.168	3.801	27.167	31.793	36.307	40.712	45.015	0.095	0.954	99
125	3.691	34.164	3.683	27.176	31.805	36.321	40.730	45.035	0.118	1.065	124
150	3.569	34.160	3.560	27.185	31.817	36.337	40.748	45.057	0.141	1.087	149
175	3.532	34.175	3.521	27.200	31.834	36.354	40.767	45.076	0.163	1.520	173
200	3.167	34.149	3.155	27.214	31.858	36.388	40.810	45.128	0.185	1.045	198
250	2.882	34.131	2.867	27.226	31.878	36.418	40.845	45.170	0.229	0.775	248
300	2.719	34.124	2.702	27.234	31.891	36.433	40.867	45.197	0.272	0.901	297
350	2.502	34.118	2.482	27.249	31.911	36.460	40.899	45.234	0.315	1.333	347
400	2.987	34.200	2.962	27.272	31.921	36.456	40.882	45.205	0.357	1.316	396
450	2.911	34.217	2.883	27.293	31.943	36.480	40.909	45.233	0.399	0.876	446
500	2.819	34.241	2.788	27.321	31.974	36.513	40.944	45.270	0.439	1.512	495
550	2.780	34.259	2.746	27.338	31.992	36.533	40.964	45.291	0.479	0.969	545
600	2.711	34.274	2.673	27.357	32.013	36.559	40.988	45.317	0.517	1.237	594
650	2.337	34.265	2.298	27.381	32.047	36.600	41.043	45.381	0.555	1.367	644
700	2.840	34.330	2.596	27.408	32.066	36.610	41.045	45.375	0.591	1.039	693
750	2.674	34.368	2.627	27.436	32.093	36.635	41.069	45.398	0.627	1.507	742
800	2.614	34.394	2.564	27.462	32.120	36.664	41.099	45.430	0.662	1.187	792
850	2.593	34.410	2.539	27.477	32.135	36.680	41.116	45.447	0.695	0.878	841
900	2.590	34.423	2.533	27.488	32.146	36.691	41.127	45.458	0.728	0.712	891
950	2.567	34.433	2.506	27.498	32.158	36.703	41.139	45.471	0.761	0.948	940
1000	2.540	34.447	2.478	27.512	32.172	36.718	41.155	45.487	0.794	0.985	989
1050	2.524	34.467	2.456	27.529	32.190	36.736	41.173	45.506	0.825	1.028	1039
1100	2.503	34.480	2.431	27.542	32.203	36.750	41.187	45.521	0.857	1.160	1088
1150	2.448	34.505	2.374	27.567	32.229	36.777	41.216	45.551	0.887	1.161	1137
1200	2.456	34.521	2.378	27.579	32.241	36.789	41.228	45.563	0.917	0.914	1186
1250	2.437	34.529	2.355	27.588	32.250	36.799	41.238	45.573	0.946	0.893	1236
1300	2.415	34.550	2.330	27.607	32.270	36.819	41.259	45.594	0.975	1.056	1285
1350	2.386	34.568	2.297	27.623	32.287	36.837	41.278	45.614	1.003	1.116	1334
1400	2.351	34.587	2.258	27.642	32.307	36.858	41.299	45.636	1.030	0.971	1384
1450	2.337	34.596	2.240	27.651	32.316	36.867	41.309	45.647	1.057	0.800	1433
1500	2.311	34.610	2.211	27.664	32.330	36.882	41.324	45.662	1.084	0.831	1482
1600	2.271	34.627	2.163	27.681	32.349	36.902	41.345	45.684	1.136	0.867	1580
1700	2.213	34.648	2.098	27.704	32.372	36.927	41.372	45.713	1.186	0.912	1679
1800	2.166	34.665	2.053	27.721	32.392	36.948	41.394	45.736	1.234	0.848	1777
1900	2.097	34.682	1.967	27.741	32.413	36.971	41.420	45.763	1.282	0.831	1875
2000	2.025	34.695	1.888	27.758	32.432	36.992	41.443	45.788	1.327	0.705	1974
2100	1.976	34.701	1.831	27.767	32.443	37.004	41.456	45.803	1.372	0.510	2072
2200	1.928	34.707	1.775	27.776	32.453	37.016	41.470	45.818	1.416	0.708	2170
2300	1.867	34.712	1.707	27.785	32.465	37.029	41.485	45.834	1.459	0.556	2268
2400	1.806	34.716	1.638	27.793	32.475	37.041	41.498	45.850	1.502	0.671	2366
2500	1.710	34.720	1.535	27.805	32.489	37.058	41.518	45.872	1.544	0.765	2464
2600	1.656	34.723	1.473	27.811	32.497	37.068	41.529	45.885	1.585	0.571	2562
2700	1.594	34.723	1.403	27.816	32.504	37.078	41.541	45.898	1.625	0.732	2660
2800	1.530	34.724	1.331	27.822	32.512	37.087	41.552	45.912	1.664	0.540	2758
2900	1.434	34.723	1.228	27.829	32.522	37.100	41.568	45.930	1.703	0.620	2855
3000	1.352	34.722	1.138	27.834	32.530	37.110	41.581	45.945	1.741	0.638	2953
3100	1.272	34.721	1.050	27.839	32.537	37.120	41.593	45.960	1.778	0.569	3051
3200	1.196	34.719	0.967	27.843	32.544	37.129	41.604	45.973	1.815	0.653	3149
3300	1.138	34.718	0.901	27.847	32.549	37.136	41.613	45.984	1.851	0.612	3246
3400	1.070	34.716	0.824	27.850	32.555	37.144	41.623	45.996	1.886	0.505	3344
3500	1.002	34.713	0.748	27.852	32.560	37.151	41.632	46.007	1.920	0.554	3441
3600	0.919	34.710	0.657	27.855	32.565	37.159	41.643	46.020	1.954	0.622	3539
3700	0.898	34.709	0.627	27.856	32.567	37.162	41.646	46.024	1.988	0.024	3636
3800	0.899	34.709	0.618	27.857	32.568	37.163	41.648	46.026	2.022	0.413	3734
3900	0.880	34.707	0.589	27.857	32.569	37.165	41.651	46.030	2.055	0.182	3831
4000	0.886	34.707	0.584	27.857	32.569	37.166	41.651	46.030	2.089	0.308	3928
4100	0.870	34.706	0.559	27.858	32.571	37.168	41.654	46.034	2.123	0.204	4026
4200	0.873	34.706	0.550	27.859	32.572	37.169	41.655	46.036	2.157	0.122	4123
4300	0.884	34.706	0.551	27.858	32.571	37.169	41.655	46.035	2.191	-0.080	4220
4400	0.895	34.706	0.550	27.859	32.572	37.169	41.656	46.036	2.226	-0.028	4317
4500	0.907	34.706	0.551	27.859	32.571	37.169	41.655	46.035	2.261	0.074	4414
4537	0.908	34.706	0.547	27.859	32.572	37.169	41.656	46.036	2.274	0.215	4450



A2-107 216

STA-216 LAT= 55 59.5 S LON= 59 26.2 W SONIC DEPTH 3973 m STA-216
 DATE 28/ 8/80 GMT 1646 CTD# 8

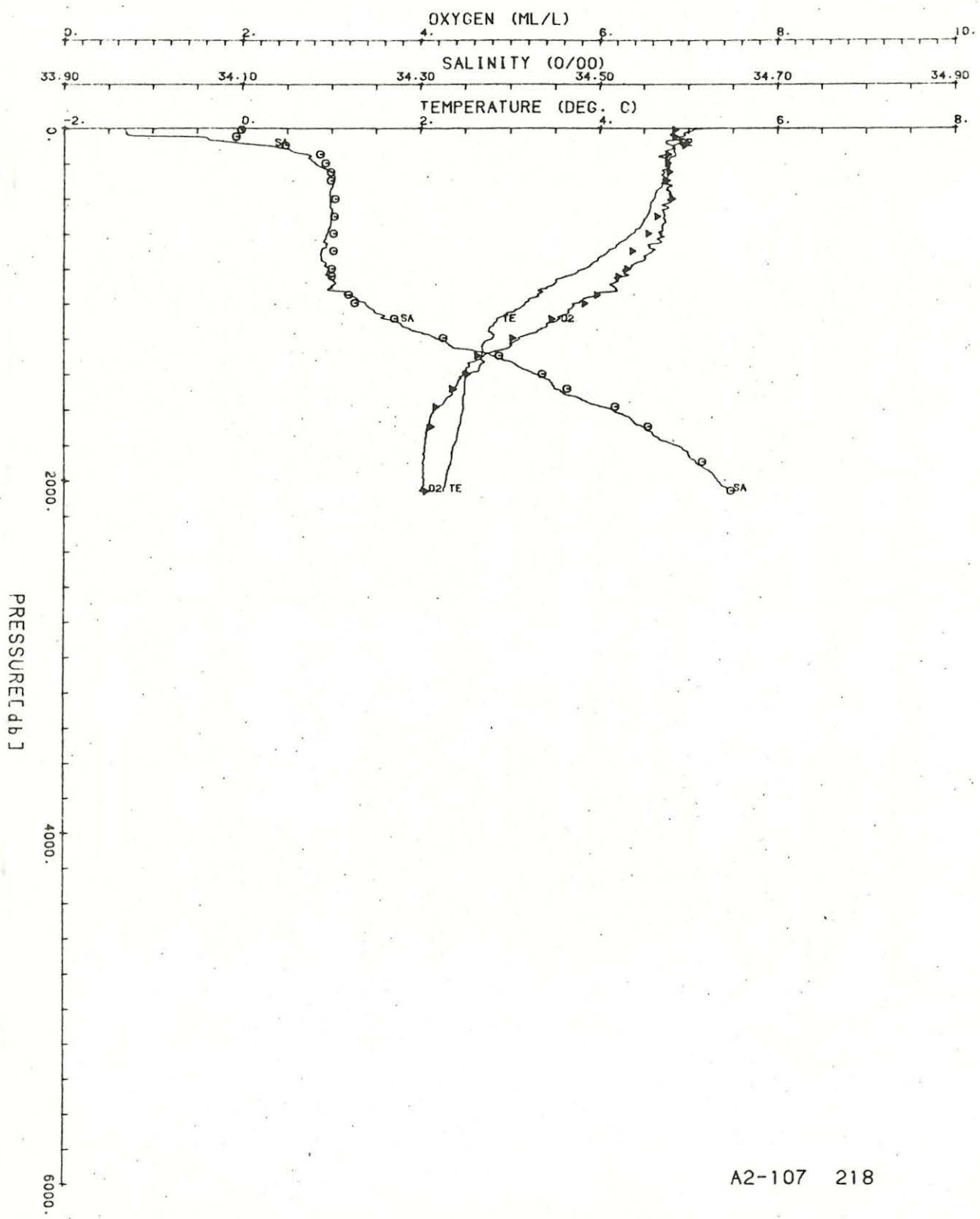
PR	T	S	σ	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg. C	o/oo	g C								cpk	m
3	4.599	34.150	4.599	27.069	31.674	36.167	40.553	44.837	0.003	1.549	3	
25	4.573	34.159	4.571	27.079	31.685	36.178	40.565	44.849	0.025	0.511	25	
50	4.561	34.160	4.557	27.081	31.687	36.181	40.568	44.853	0.050	0.507	50	
75	4.560	34.160	4.555	27.082	31.688	36.182	40.569	44.854	0.075	0.500	74	
100	4.541	34.167	4.534	27.089	31.696	36.190	40.578	44.863	0.100	1.428	99	
125	4.519	34.176	4.510	27.099	31.706	36.201	40.589	44.875	0.124	0.951	124	
150	4.503	34.178	4.492	27.103	31.710	36.206	40.594	44.880	0.149	0.554	149	
175	4.495	34.179	4.483	27.105	31.713	36.208	40.597	44.883	0.174	0.459	174	
200	4.522	34.189	4.507	27.110	31.717	36.212	40.600	44.885	0.199	0.762	199	
250	4.499	34.197	4.481	27.119	31.726	36.222	40.611	44.897	0.247	0.919	248	
300	4.425	34.194	4.403	27.125	31.735	36.233	40.623	44.911	0.296	0.484	297	
350	4.362	34.192	4.338	27.131	31.742	36.242	40.634	44.923	0.345	0.700	347	
400	4.295	34.191	4.266	27.137	31.751	36.252	40.646	44.937	0.394	0.548	396	
450	4.229	34.191	4.197	27.144	31.760	36.263	40.658	44.951	0.443	0.909	446	
500	4.133	34.188	4.097	27.153	31.771	36.276	40.674	44.969	0.492	1.061	495	
550	3.942	34.184	3.903	27.170	31.793	36.303	40.706	45.006	0.540	0.866	545	
600	3.794	34.181	3.751	27.182	31.810	36.324	40.731	45.034	0.588	0.926	594	
650	3.604	34.172	3.558	27.194	31.827	36.346	40.758	45.066	0.635	0.916	644	
700	3.413	34.183	3.366	27.222	31.859	36.384	40.800	45.113	0.681	1.324	693	
750	3.214	34.185	3.164	27.242	31.885	36.415	40.837	45.154	0.726	1.300	743	
800	2.900	34.187	2.848	27.272	31.924	36.462	40.892	45.217	0.771	1.740	792	
850	2.651	34.192	2.597	27.298	31.957	36.501	40.937	45.269	0.813	1.206	841	
900	2.643	34.207	2.586	27.311	31.970	36.515	40.952	45.282	0.854	1.655	891	
950	2.549	34.265	2.489	27.365	32.026	36.574	41.012	45.345	0.894	1.692	940	
1000	2.633	34.307	2.569	27.392	32.051	36.596	41.031	45.363	0.932	1.013	989	
1050	2.580	34.370	2.512	27.448	32.107	36.653	41.090	45.422	0.970	2.105	1039	
1100	2.537	34.390	2.469	27.467	32.128	36.675	41.112	45.446	1.004	0.645	1088	
1150	2.540	34.400	2.465	27.475	32.136	36.683	41.120	45.454	1.039	0.757	1137	
1200	2.552	34.420	2.473	27.491	32.151	36.697	41.135	45.468	1.073	1.166	1187	
1250	2.568	34.448	2.489	27.512	32.171	36.717	41.154	45.486	1.106	1.400	1236	
1300	2.548	34.480	2.461	27.540	32.200	36.746	41.183	45.516	1.138	1.168	1285	
1350	2.501	34.511	2.410	27.568	32.229	36.777	41.215	45.549	1.170	1.426	1335	
1400	2.471	34.538	2.378	27.592	32.254	36.802	41.241	45.576	1.200	1.036	1384	
1450	2.451	34.551	2.353	27.605	32.267	36.816	41.255	45.590	1.229	1.095	1433	
1500	2.405	34.572	2.304	27.626	32.290	36.840	41.280	45.616	1.257	1.173	1482	
1600	2.341	34.599	2.232	27.654	32.319	36.871	41.313	45.650	1.312	0.879	1581	
1700	2.273	34.628	2.157	27.683	32.350	36.904	41.347	45.687	1.365	1.024	1679	
1800	2.209	34.652	2.088	27.707	32.377	36.931	41.377	45.718	1.415	0.901	1777	
1900	2.146	34.671	2.015	27.728	32.399	36.956	41.403	45.746	1.464	0.696	1876	
2000	2.122	34.679	1.989	27.737	32.409	36.967	41.415	45.758	1.511	0.670	1974	
2100	2.051	34.691	1.908	27.754	32.428	36.987	41.437	45.782	1.558	0.817	2072	
2200	1.980	34.700	1.826	27.767	32.443	37.009	41.457	45.804	1.603	0.645	2170	
2300	1.914	34.708	1.753	27.778	32.456	37.020	41.474	45.823	1.648	0.715	2268	
2400	1.854	34.712	1.686	27.787	32.467	37.033	41.488	45.839	1.691	0.711	2366	
2500	1.784	34.717	1.608	27.796	32.479	37.046	41.504	45.856	1.734	0.747	2464	
2600	1.709	34.720	1.525	27.805	32.490	37.059	41.519	45.874	1.776	0.639	2562	
2700	1.631	34.722	1.439	27.813	32.500	37.072	41.534	45.891	1.817	0.779	2660	
2800	1.519	34.723	1.321	27.822	32.512	37.088	41.553	45.913	1.856	0.608	2758	
2900	1.462	34.723	1.256	27.827	32.519	37.096	41.563	45.925	1.895	0.402	2856	
3000	1.373	34.722	1.159	27.833	32.528	37.108	41.578	45.942	1.934	0.664	2954	
3100	1.339	34.722	1.116	27.835	32.531	37.113	41.584	45.949	1.972	0.507	3051	
3200	1.260	34.720	1.029	27.840	32.538	37.122	41.595	45.963	2.009	0.650	3149	
3300	1.180	34.718	0.941	27.844	32.546	37.132	41.607	45.977	2.046	0.590	3247	
3400	1.128	34.718	0.881	27.848	32.551	37.139	41.616	45.987	2.082	0.528	3344	
3500	1.096	34.717	0.840	27.850	32.554	37.143	41.622	45.994	2.117	0.489	3442	
3600	1.063	34.716	0.798	27.852	32.557	37.147	41.627	46.001	2.152	0.306	3539	
3700	1.003	34.715	0.729	27.855	32.562	37.159	41.638	46.011	2.187	0.411	3637	
3800	0.987	34.714	0.703	27.856	32.564	37.157	41.639	46.015	2.222	0.475	3734	
3900	0.954	34.713	0.661	27.857	32.567	37.161	41.645	46.022	2.257	0.418	3831	
4000	0.943	34.713	0.639	27.859	32.569	37.164	41.647	46.025	2.291	0.164	3929	
4027	0.946	34.713	0.639	27.859	32.569	37.164	41.648	46.025	2.300	-0.107	3955	



A2-107 217

STA-217 LAT= 55 29.5 S LON= 59 33.2 W SONIC DEPTH 4114 m STA-217
 DATE 28/ 8/80 GMT 2153 CTD# 8

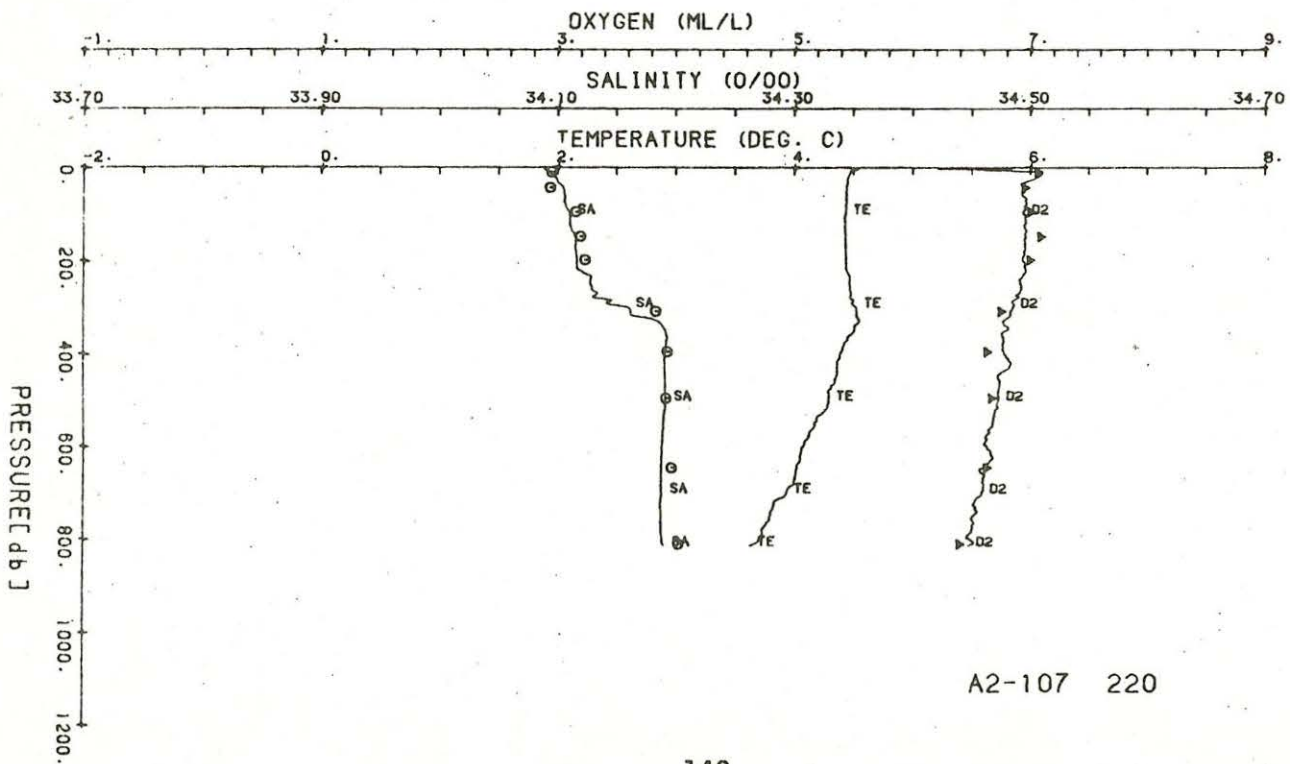
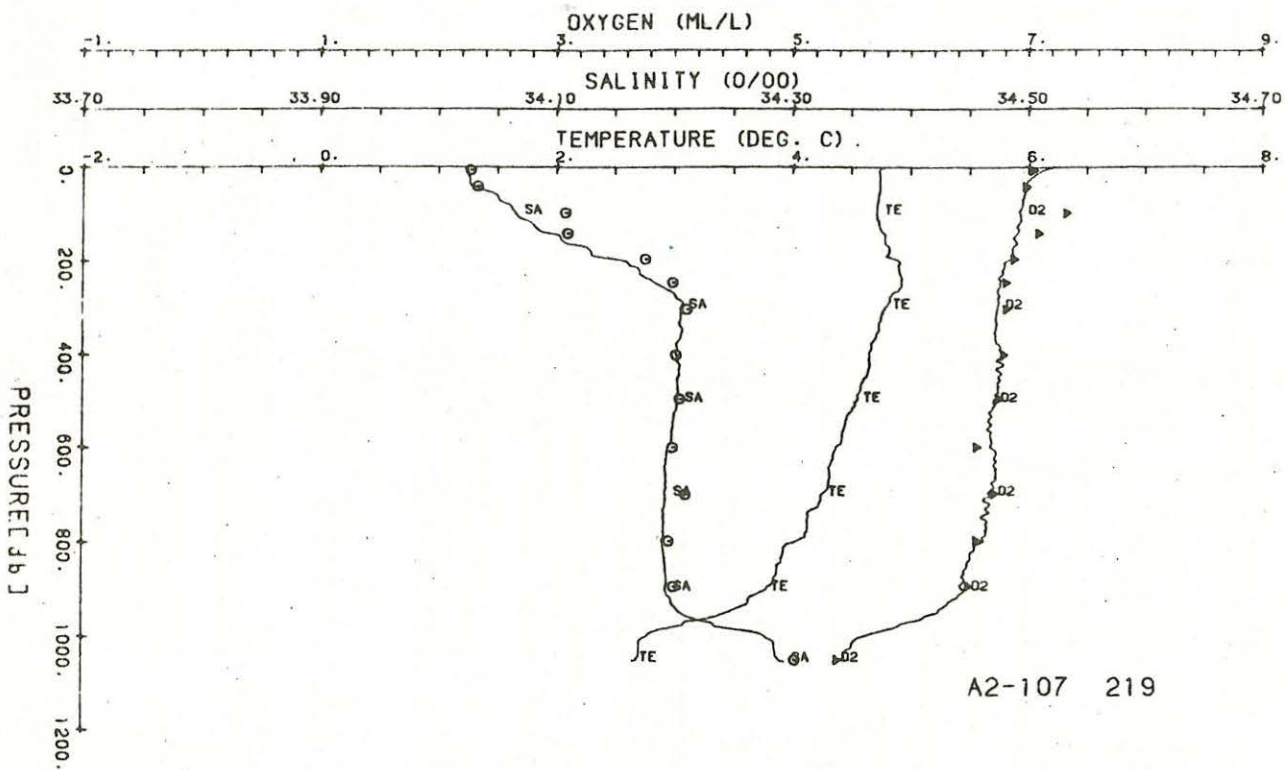
PR	T	S	θ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DF
dbar	Deg C	o/oo	Deg C							cpd	m
5	4.697	34.044	4.697	26.974	31.577	36.069	40.453	44.736	0.005	1.069	5
25	4.700	34.055	4.698	26.983	31.586	36.077	40.461	44.744	0.027	1.271	25
50	4.715	34.072	4.711	26.995	31.597	36.088	40.472	44.754	0.054	1.358	50
75	4.729	34.085	4.724	27.004	31.606	36.096	40.480	44.761	0.081	0.739	74
100	4.743	34.105	4.736	27.018	31.619	36.109	40.492	44.773	0.108	1.829	99
125	4.768	34.136	4.758	27.040	31.641	36.130	40.512	44.792	0.134	1.139	124
150	4.786	34.161	4.775	27.058	31.658	36.147	40.528	44.808	0.160	1.076	149
175	4.770	34.179	4.757	27.074	31.675	36.164	40.545	44.825	0.186	1.664	174
200	4.727	34.191	4.712	27.089	31.691	36.181	40.563	44.844	0.211	1.001	198
250	4.621	34.190	4.603	27.100	31.704	36.197	40.583	44.866	0.261	1.015	248
300	4.541	34.195	4.519	27.113	31.720	36.215	40.602	44.888	0.311	0.682	297
350	4.486	34.196	4.460	27.120	31.728	36.225	40.614	44.900	0.360	0.504	347
400	4.459	34.195	4.430	27.123	31.732	36.229	40.619	44.906	0.410	0.666	396
450	4.395	34.193	4.362	27.129	31.740	36.239	40.630	44.919	0.459	0.558	446
500	4.343	34.193	4.308	27.134	31.747	36.247	40.640	44.930	0.509	0.544	495
550	4.289	34.191	4.248	27.139	31.753	36.255	40.649	44.941	0.559	0.563	545
600	4.179	34.189	4.135	27.149	31.766	36.271	40.668	44.962	0.608	0.968	594
650	4.032	34.186	3.989	27.163	31.783	36.292	40.693	44.991	0.657	0.956	644
700	3.858	34.179	3.808	27.175	31.801	36.314	40.719	45.021	0.705	1.162	693
750	3.620	34.170	3.567	27.191	31.824	36.343	40.754	45.062	0.753	1.260	743
800	3.584	34.211	3.529	27.229	31.862	36.382	40.794	45.102	0.800	1.496	792
850	3.415	34.217	3.356	27.250	31.887	36.412	40.828	45.141	0.846	1.424	841
900	2.954	34.183	2.894	27.265	31.916	36.453	40.881	45.205	0.890	1.278	891
950	2.134	34.113	2.077	27.277	31.951	36.511	40.961	45.306	0.933	1.532	940
1000	2.874	34.241	2.808	27.319	31.972	36.510	40.940	45.266	0.975	1.327	990
1050	2.582	34.242	2.519	27.345	32.006	36.552	40.990	45.323	1.016	1.358	1039
1100	2.614	34.299	2.542	27.388	32.048	36.593	41.030	45.362	1.055	1.873	1088
1150	2.668	34.352	2.592	27.426	32.084	36.627	41.062	45.393	1.092	1.092	1138
1200	2.681	34.385	2.601	27.451	32.108	36.651	41.086	45.416	1.128	1.305	1187
1250	2.699	34.423	2.614	27.481	32.137	36.680	41.113	45.442	1.164	1.587	1236
1300	2.632	34.452	2.549	27.510	32.168	36.712	41.147	45.478	1.198	1.053	1285
1350	2.584	34.471	2.493	27.530	32.189	36.734	41.171	45.503	1.230	1.044	1335
1400	2.557	34.483	2.463	27.542	32.202	36.748	41.185	45.517	1.263	1.245	1384
1450	2.498	34.509	2.398	27.568	32.229	36.777	41.216	45.550	1.294	1.474	1433
1500	2.422	34.524	2.321	27.586	32.250	36.799	41.240	45.576	1.324	1.178	1482
1600	2.419	34.571	2.310	27.624	32.288	36.838	41.278	45.614	1.382	0.970	1581
1700	2.371	34.596	2.254	27.649	32.314	36.869	41.307	45.644	1.438	0.897	1679
1800	2.301	34.623	2.177	27.677	32.344	36.897	41.340	45.679	1.492	0.910	1778
1900	2.238	34.646	2.107	27.701	32.370	36.924	41.369	45.710	1.544	0.966	1876
2000	2.170	34.668	2.031	27.725	32.396	36.952	41.399	45.741	1.594	0.977	1974
2100	2.109	34.684	1.962	27.743	32.415	36.974	41.422	45.766	1.642	0.752	2072
2200	2.040	34.692	1.888	27.756	32.430	36.990	41.441	45.786	1.688	0.632	2170
2300	2.008	34.698	1.846	27.763	32.439	37.000	41.451	45.798	1.734	0.639	2268
2400	1.965	34.705	1.794	27.773	32.450	37.013	41.465	45.813	1.780	0.648	2366
2500	1.907	34.710	1.728	27.782	32.461	37.025	41.480	45.829	1.824	0.688	2464
2600	1.838	34.715	1.651	27.792	32.473	37.039	41.496	45.847	1.868	0.650	2562
2700	1.785	34.718	1.590	27.799	32.481	37.049	41.508	45.861	1.911	0.519	2660
2800	1.719	34.722	1.516	27.807	32.492	37.062	41.522	45.877	1.954	0.635	2758
2900	1.651	34.723	1.441	27.814	32.500	37.073	41.535	45.891	1.996	0.685	2856
3000	1.575	34.723	1.356	27.820	32.509	37.084	41.548	45.907	2.037	0.630	2954
3100	1.495	34.724	1.268	27.826	32.518	37.095	41.562	45.923	2.077	0.554	3051
3200	1.451	34.723	1.215	27.830	32.523	37.101	41.570	45.932	2.116	0.609	3149
3300	1.338	34.722	1.096	27.836	32.533	37.119	41.587	45.952	2.155	0.677	3247
3400	1.252	34.720	1.002	27.842	32.541	37.126	41.600	45.968	2.193	0.673	3344
3500	1.182	34.718	0.924	27.845	32.547	37.134	41.610	45.980	2.230	0.480	3442
3600	1.114	34.717	0.847	27.849	32.553	37.142	41.620	45.992	2.266	0.501	3539
3700	1.079	34.716	0.803	27.851	32.557	37.147	41.628	46.000	2.302	0.460	3637
3800	1.041	34.715	0.756	27.854	32.560	37.152	41.633	46.007	2.338	0.489	3734
3900	0.981	34.713	0.687	27.856	32.565	37.158	41.641	46.017	2.373	0.498	3832
4000	0.966	34.713	0.662	27.857	32.567	37.161	41.644	46.021	2.408	0.459	3929
4100	0.931	34.711	0.619	27.859	32.570	37.165	41.650	46.028	2.442	0.336	4026
4181	0.928	34.711	0.606	27.860	32.571	37.167	41.651	46.030	2.470	0.357	4105



A2-107 218

STA-218 LAT= 55 5.0 S LON= 59 43.7 W SONIC DEPTH 2046 m STA-218
 DATE 29/ 8/90 GMT 301 CTD# 8

PR	T	S	θ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cm	m
1	4.842	33.968	4.842	25.897	31.498	35.996	40.368	44.647	0.001	0.017	1
25	4.820	33.970	4.819	26.902	31.502	35.991	40.373	44.653	0.029	0.021	25
50	4.884	34.049	4.880	26.957	31.556	36.043	40.423	44.701	0.058	3.115	50
75	4.748	34.081	4.747	26.998	31.600	36.090	40.473	44.754	0.085	2.496	74
100	4.827	34.130	4.819	27.029	31.628	36.116	40.497	44.775	0.112	1.732	99
125	4.837	34.154	4.828	27.046	31.645	36.133	40.513	44.791	0.138	1.232	124
150	4.852	34.174	4.861	27.061	31.659	36.146	40.526	44.804	0.164	1.488	149
175	4.786	34.176	4.773	27.070	31.671	36.159	40.541	44.820	0.189	0.742	174
200	4.778	34.182	4.763	27.076	31.676	36.165	40.547	44.826	0.215	0.873	198
250	4.770	34.201	4.751	27.092	31.693	36.182	40.564	44.844	0.266	0.790	248
300	4.738	34.203	4.715	27.098	31.699	36.189	40.572	44.853	0.316	0.606	297
350	4.649	34.199	4.623	27.105	31.709	36.201	40.586	44.869	0.366	0.725	347
400	4.612	34.199	4.581	27.109	31.714	36.207	40.593	44.877	0.417	0.710	396
450	4.570	34.199	4.536	27.114	31.721	36.215	40.602	44.887	0.467	0.534	444
500	4.529	34.200	4.492	27.120	31.728	36.223	40.611	44.897	0.517	0.683	495
550	4.468	34.198	4.426	27.126	31.735	36.232	40.622	44.909	0.568	0.707	545
600	4.356	34.195	4.311	27.135	31.747	36.247	40.640	44.930	0.618	0.865	594
650	4.220	34.193	4.171	27.149	31.765	36.269	40.665	44.958	0.668	1.090	644
700	4.088	34.188	4.038	27.159	31.779	36.288	40.689	44.982	0.717	0.935	693
750	3.966	34.189	3.911	27.172	31.795	36.308	40.708	45.008	0.766	1.141	743
800	3.798	34.197	3.740	27.196	31.823	36.338	40.745	45.048	0.814	1.289	792
850	3.557	34.199	3.497	27.221	31.855	36.376	40.789	45.099	0.861	1.496	841
900	3.416	34.200	3.353	27.236	31.874	36.399	40.815	45.128	0.907	1.149	891
950	3.302	34.219	3.236	27.263	31.903	36.431	40.850	45.166	0.952	1.493	940
1000	3.154	34.238	3.086	27.292	31.938	36.468	40.891	45.210	0.996	1.227	990
1050	2.967	34.249	2.897	27.318	31.967	36.504	40.932	45.255	1.039	1.542	1039
1100	2.843	34.272	2.769	27.347	32.000	36.540	40.971	45.297	1.080	1.376	1088
1150	2.759	34.291	2.683	27.370	32.025	36.567	41.000	45.329	1.120	1.154	1138
1200	2.781	34.320	2.700	27.391	32.046	36.587	41.019	45.347	1.159	1.485	1187
1250	2.683	34.339	2.599	27.415	32.073	36.616	41.051	45.381	1.197	1.482	1236
1300	2.673	34.384	2.586	27.452	32.110	36.653	41.088	45.418	1.233	1.115	1285
1350	2.661	34.408	2.569	27.473	32.130	36.674	41.109	45.440	1.269	1.161	1335
1400	2.548	34.430	2.454	27.500	32.161	36.707	41.145	45.478	1.304	1.527	1384
1450	2.490	34.447	2.392	27.519	32.181	36.729	41.168	45.503	1.337	0.668	1433
1500	2.490	34.458	2.388	27.528	32.190	36.739	41.178	45.513	1.370	1.183	1482
1600	2.471	34.515	2.361	27.576	32.238	36.787	41.226	45.561	1.434	1.218	1581
1700	2.423	34.551	2.308	27.609	32.273	36.823	41.264	45.600	1.494	0.991	1679
1800	2.368	34.586	2.243	27.642	32.308	36.859	41.301	45.638	1.552	1.168	1778
1900	2.332	34.609	2.199	27.664	32.330	36.882	41.325	45.664	1.607	0.933	1876
2000	2.279	34.633	2.139	27.688	32.356	36.909	41.354	45.693	1.660	0.744	1974
2063	2.253	34.644	2.107	27.700	32.368	36.923	41.368	45.708	1.693	0.899	2036

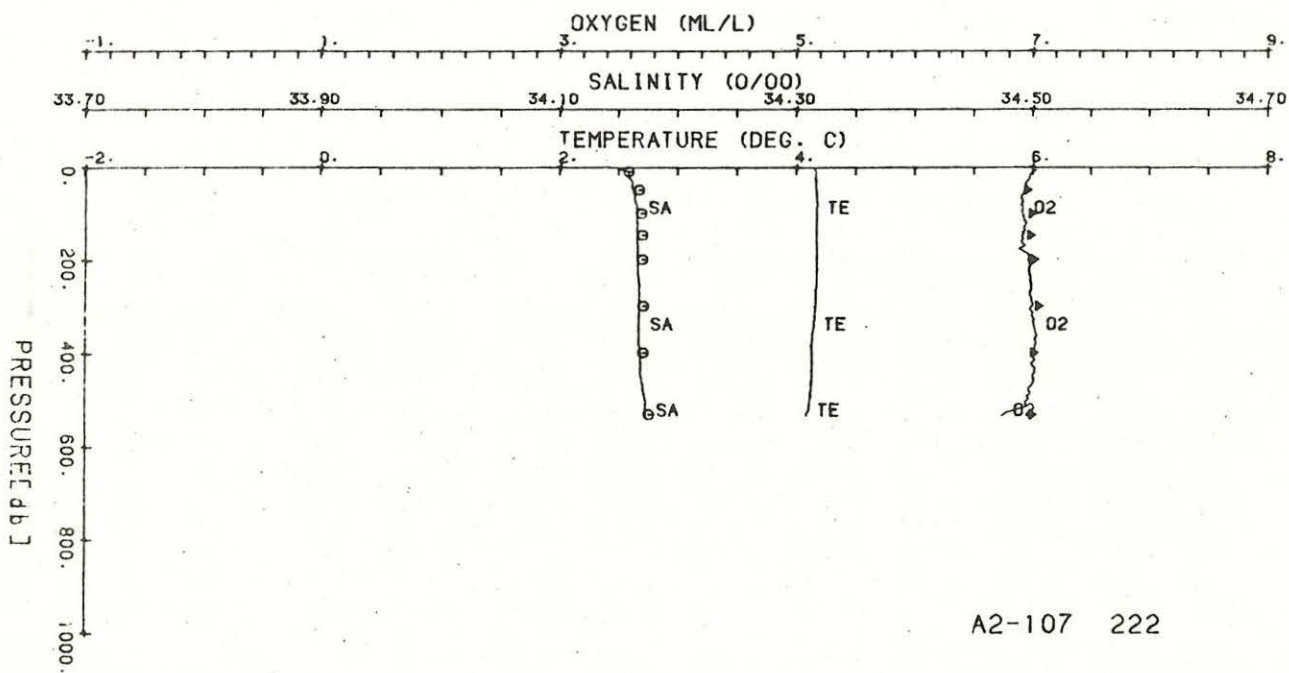
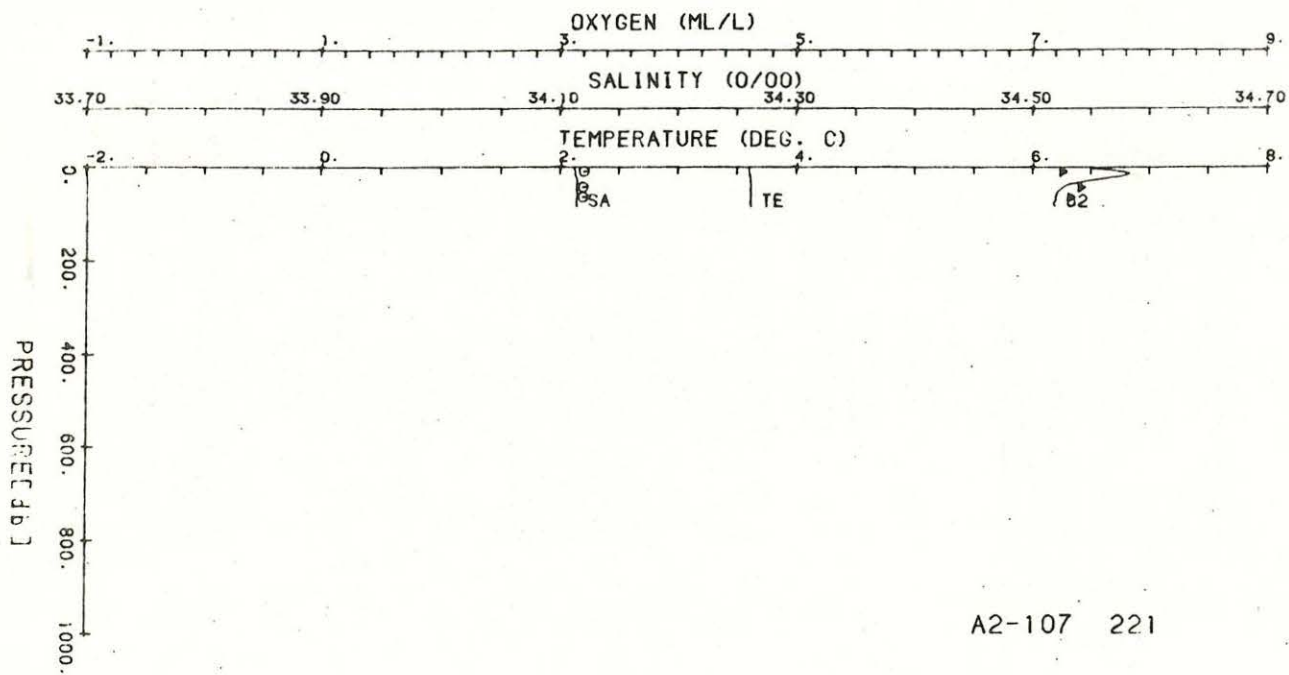


STA-219 LAT= 54 54.2 S LON= 59 42.0 W SONIC DEPTH 9790 m STA-219
 DATE 29/ 8/80 GMT 603 CTD# 8

PR	T	S	θ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cmh	m
3	4.764	34.023	4.764	26.950	31.552	36.042	40.425	44.705	0.003	0.962	3
25	4.738	34.026	4.738	26.955	31.558	36.048	40.432	44.713	0.028	0.441	25
50	4.737	34.040	4.733	26.967	31.569	36.060	40.443	44.725	0.056	1.703	50
75	4.721	34.055	4.719	26.981	31.584	36.075	40.458	44.740	0.083	1.301	74
100	4.713	34.066	4.709	26.991	31.593	36.085	40.469	44.750	0.110	0.951	99
125	4.738	34.082	4.729	27.000	31.603	36.093	40.476	44.757	0.137	0.848	124
150	4.782	34.104	4.771	27.013	31.614	36.103	40.485	44.765	0.164	1.174	149
175	4.819	34.128	4.806	27.028	31.628	36.116	40.497	44.777	0.191	1.279	174
200	4.899	34.159	4.884	27.044	31.641	36.127	40.506	44.783	0.217	1.293	198
250	4.921	34.188	4.901	27.065	31.662	36.147	40.525	44.802	0.269	1.523	248
300	4.779	34.206	4.758	27.095	31.696	36.185	40.566	44.846	0.320	0.916	297
350	4.722	34.207	4.696	27.103	31.705	36.195	40.578	44.860	0.371	0.679	347
400	4.650	34.202	4.629	27.108	31.712	36.204	40.589	44.872	0.421	0.566	396
450	4.610	34.203	4.578	27.113	31.719	36.212	40.598	44.882	0.472	0.778	446
500	4.538	34.203	4.501	27.121	31.728	36.224	40.611	44.897	0.522	0.751	495
550	4.449	34.199	4.404	27.129	31.739	36.236	40.627	44.915	0.572	0.592	545
600	4.367	34.195	4.322	27.134	31.746	36.246	40.638	44.928	0.622	0.710	594
650	4.313	34.193	4.269	27.139	31.753	36.254	40.648	44.939	0.672	0.447	644
700	4.244	34.193	4.192	27.146	31.762	36.265	40.661	44.953	0.722	0.888	693
750	4.129	34.192	4.073	27.158	31.776	36.283	40.681	44.977	0.772	0.576	743
800	3.974	34.191	3.919	27.174	31.796	36.306	40.709	45.008	0.822	1.419	792
850	3.871	34.193	3.809	27.186	31.812	36.325	40.730	45.032	0.870	0.816	841
900	3.751	34.193	3.689	27.199	31.828	36.344	40.752	45.057	0.918	1.522	891
950	3.402	34.208	3.335	27.244	31.883	36.408	40.825	45.138	0.965	2.613	940
1000	2.749	34.279	2.683	27.360	32.016	36.558	40.991	45.319	1.007	2.089	990
1050	2.663	34.291	2.595	27.377	32.035	36.579	41.015	45.345	1.046	0.870	1039

STA-220 LAT= 54 49.4 S LON= 59 42.6 W SONIC DEPTH 742 m STA-220
 DATE 29/ 8/80 GMT 820 CTD# 8

PR	T	S	θ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cmh	m
3	4.511	34.088	4.511	27.029	31.637	36.133	40.522	44.808	0.003	1.952	3
25	4.453	34.099	4.451	27.044	31.654	36.151	40.541	44.828	0.026	1.060	25
50	4.441	34.105	4.437	27.051	31.661	36.158	40.548	44.836	0.051	0.587	50
75	4.441	34.106	4.436	27.051	31.661	36.159	40.549	44.837	0.077	0.385	74
100	4.433	34.110	4.428	27.056	31.666	36.164	40.554	44.842	0.103	0.661	99
125	4.431	34.111	4.422	27.057	31.667	36.165	40.555	44.843	0.128	0.441	124
150	4.435	34.115	4.424	27.060	31.670	36.168	40.558	44.846	0.154	0.442	149
175	4.437	34.115	4.424	27.060	31.670	36.168	40.558	44.846	0.180	0.162	173
200	4.439	34.116	4.429	27.061	31.671	36.169	40.559	44.847	0.205	0.396	198
250	4.470	34.128	4.452	27.067	31.677	36.174	40.563	44.851	0.257	0.557	248
300	4.524	34.159	4.501	27.086	31.694	36.189	40.578	44.863	0.308	1.333	297
350	4.506	34.192	4.480	27.115	31.723	36.219	40.607	44.893	0.359	1.182	347
400	4.394	34.191	4.364	27.127	31.738	36.237	40.628	44.917	0.408	0.686	396
450	4.357	34.192	4.324	27.132	31.744	36.243	40.636	44.925	0.457	0.706	446
500	4.298	34.192	4.259	27.139	31.753	36.254	40.648	44.939	0.507	0.528	495
550	4.182	34.191	4.142	27.150	31.767	36.271	40.668	44.962	0.556	0.882	545
600	4.080	34.190	4.036	27.160	31.780	36.287	40.686	44.983	0.605	0.757	594
650	4.024	34.189	3.977	27.166	31.787	36.296	40.697	44.995	0.653	0.642	644
700	3.941	34.189	3.891	27.175	31.798	36.309	40.712	45.012	0.702	1.175	693
750	3.803	34.189	3.749	27.189	31.816	36.331	40.737	45.041	0.750	0.807	742
800	3.710	34.190	3.653	27.199	31.829	36.346	40.755	45.061	0.797	0.822	792
813	3.639	34.191	3.582	27.207	31.839	36.358	40.769	45.076	0.809	1.852	805

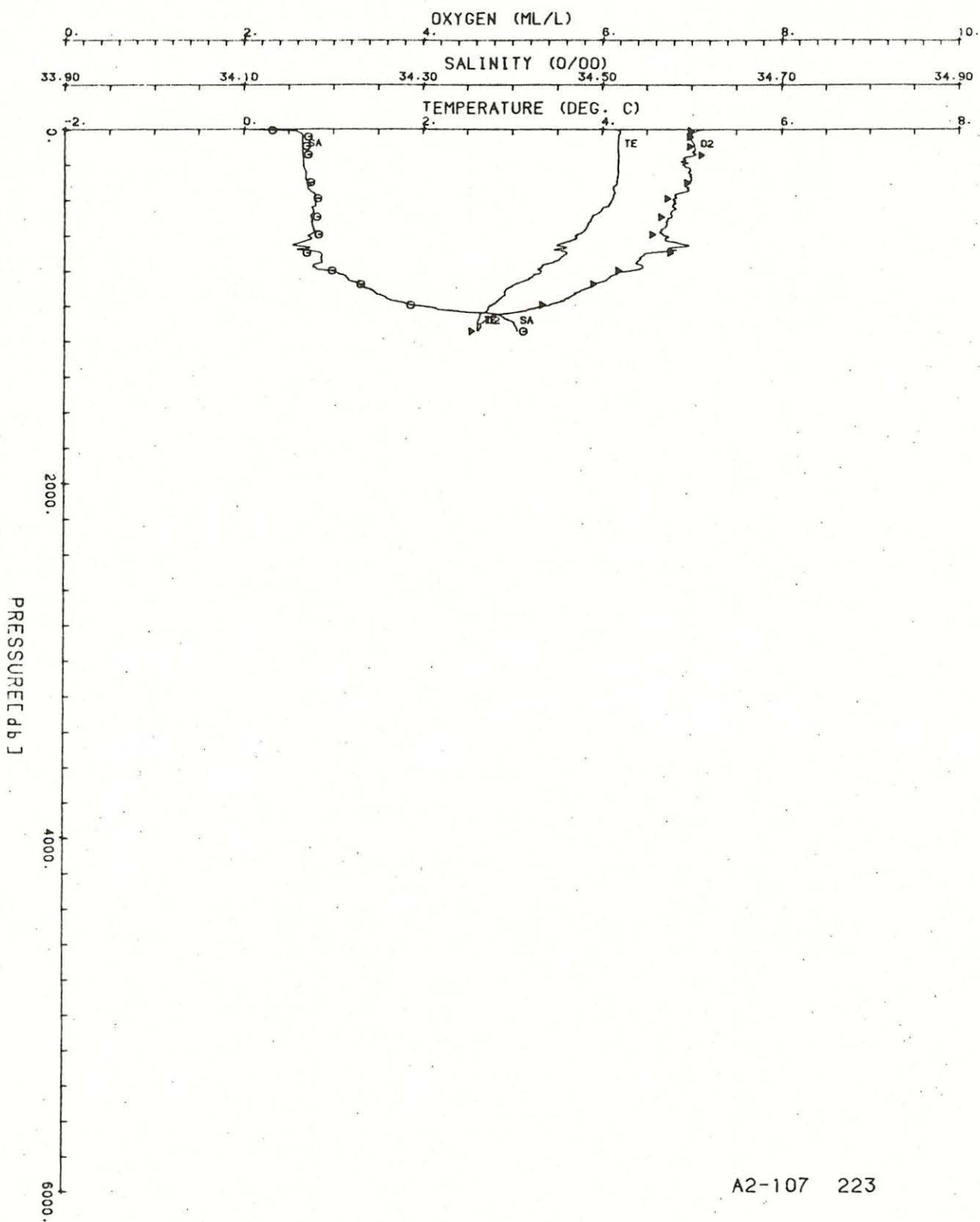


STA-221 LAT= 54 12.1 S LON= 59 50.0 W SONIC DEPTH 95 m STA-221
 DATE 29/ 8/90 GMT 1224 CTD# 8

PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cpk	m
3	3.601	34.111	3.601	27.142	31.774	36.293	40.704	45.011	0.003	0.304	3
25	3.611	34.114	3.610	27.143	31.775	36.293	40.704	45.011	0.023	0.233	25
50	3.614	34.114	3.611	27.143	31.775	36.293	40.704	45.011	0.047	0.085	50
75	3.614	34.114	3.609	27.143	31.775	36.293	40.704	45.011	0.070	-0.185	74
85	3.617	34.115	3.612	27.143	31.775	36.294	40.704	45.011	0.079	0.387	84

STA-222 LAT= 53 44.7 S LON= 59 58.7 W SONIC DEPTH 538 m STA-222
 DATE 29/ 8/90 GMT 1504 CTD# 8

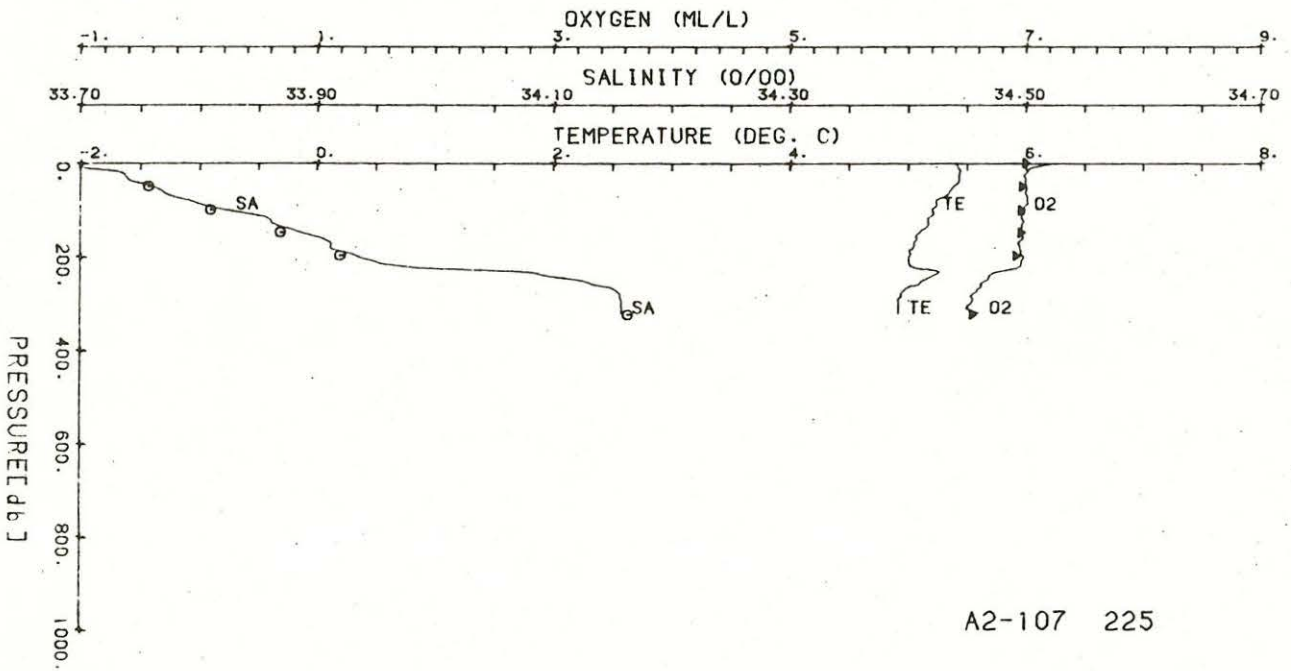
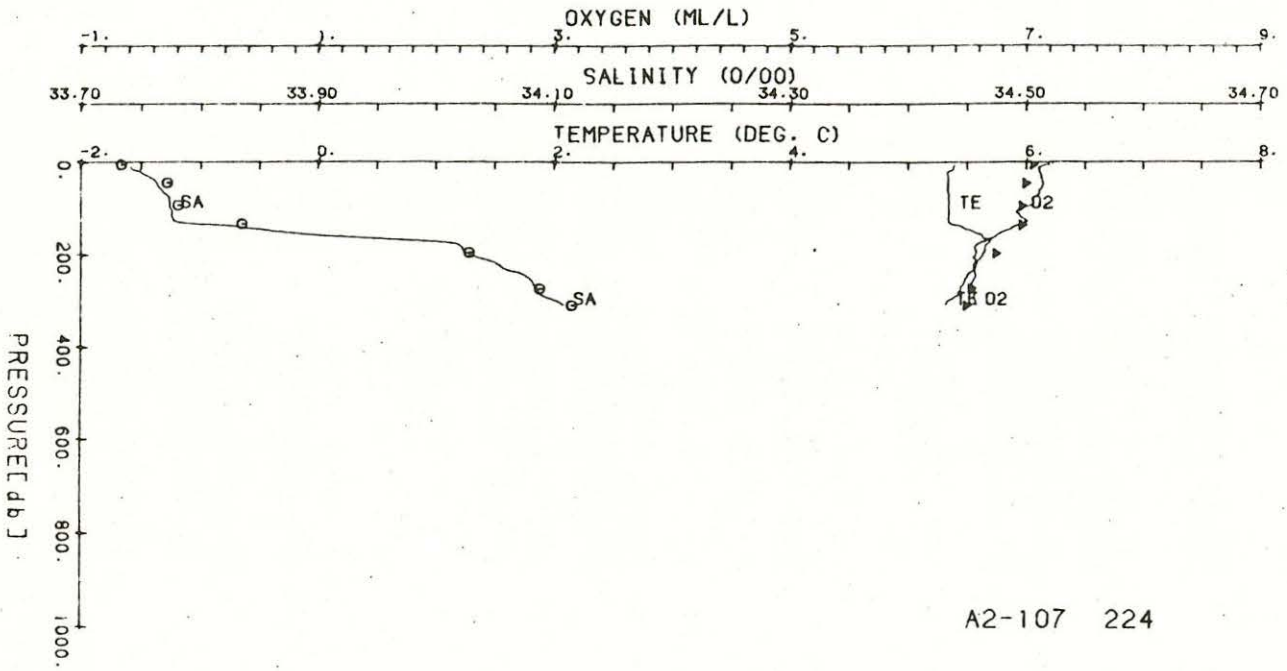
PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cpk	m
5	4.159	34.152	4.159	27.117	31.734	36.238	40.635	44.929	0.005	1.099	5
25	4.166	34.160	4.165	27.123	31.740	36.244	40.640	44.934	0.024	0.647	25
50	4.171	34.163	4.168	27.125	31.741	36.245	40.642	44.935	0.048	0.449	50
75	4.179	34.165	4.174	27.126	31.742	36.246	40.642	44.936	0.071	0.459	74
100	4.174	34.166	4.167	27.128	31.744	36.248	40.645	44.938	0.095	0.181	99
125	4.173	34.166	4.164	27.128	31.745	36.249	40.645	44.939	0.119	0.242	124
150	4.174	34.166	4.163	27.128	31.745	36.249	40.645	44.939	0.143	-0.058	149
175	4.176	34.167	4.164	27.129	31.745	36.249	40.646	44.939	0.167	0.185	174
200	4.178	34.167	4.164	27.129	31.745	36.249	40.646	44.939	0.191	0.189	199
250	4.175	34.168	4.157	27.131	31.747	36.251	40.648	44.942	0.240	0.428	248
300	4.165	34.168	4.143	27.132	31.749	36.253	40.650	44.945	0.288	0.283	297
350	4.147	34.168	4.122	27.134	31.751	36.257	40.654	44.949	0.337	0.425	347
400	4.137	34.169	4.109	27.136	31.754	36.260	40.657	44.953	0.386	0.269	396
450	4.138	34.170	4.106	27.137	31.755	36.261	40.659	44.954	0.435	0.473	446
500	4.120	34.173	4.083	27.142	31.761	36.267	40.665	44.961	0.484	0.589	495
533	4.095	34.173	4.058	27.145	31.764	36.271	40.670	44.966	0.516	0.730	528



A2-107 223

STA-223 LAT= 53 23.4 S LON= 59 55.3 W SONIC DEPTH 1146 m STA-223
 DATE 29/ 8/80 GMT 1736 CTD# 8

PR	T	S	A	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cm	m
3	4.171	34.105	4.171	27.079	31.696	36.200	40.597	44.891	0.003	3.737	3
25	4.196	34.164	4.194	27.123	31.739	36.242	40.638	44.931	0.024	0.993	25
50	4.182	34.165	4.179	27.126	31.742	36.246	40.642	44.935	0.048	0.283	50
75	4.178	34.165	4.173	27.127	31.743	36.246	40.643	44.936	0.072	0.147	74
100	4.177	34.165	4.170	27.127	31.743	36.247	40.643	44.937	0.096	0.259	99
125	4.180	34.165	4.172	27.127	31.743	36.247	40.643	44.937	0.120	-0.070	124
150	4.185	34.166	4.174	27.127	31.743	36.247	40.643	44.937	0.144	0.123	149
175	4.182	34.166	4.169	27.128	31.744	36.248	40.644	44.938	0.168	0.238	174
200	4.178	34.167	4.164	27.129	31.745	36.249	40.645	44.939	0.192	0.361	198
250	4.179	34.169	4.162	27.131	31.747	36.251	40.648	44.942	0.240	0.342	248
300	4.165	34.173	4.144	27.135	31.752	36.257	40.654	44.948	0.288	0.707	297
350	4.136	34.175	4.111	27.141	31.758	36.264	40.661	44.956	0.337	0.705	347
400	4.110	34.180	4.081	27.148	31.767	36.273	40.671	44.967	0.385	0.626	396
450	4.000	34.177	3.969	27.157	31.779	36.288	40.689	44.987	0.433	0.921	446
500	3.884	34.176	3.849	27.169	31.793	36.305	40.709	45.011	0.481	0.798	495
550	3.827	34.177	3.788	27.176	31.802	36.316	40.721	45.024	0.529	0.759	545
600	3.707	34.173	3.669	27.184	31.814	36.331	40.740	45.045	0.576	0.747	594
650	3.510	34.156	3.469	27.191	31.826	36.348	40.762	45.072	0.623	0.867	644
700	3.599	34.187	3.550	27.207	31.839	36.359	40.771	45.079	0.670	0.970	693
750	3.449	34.187	3.397	27.222	31.859	36.382	40.798	45.110	0.716	1.115	743
800	3.313	34.201	3.259	27.246	31.886	36.413	40.832	45.147	0.762	1.580	792
850	3.166	34.218	3.109	27.273	31.918	36.449	40.871	45.190	0.806	1.550	842
900	2.945	34.240	2.889	27.311	31.962	36.499	40.927	45.251	0.848	1.403	891
950	2.880	34.259	2.817	27.332	31.984	36.523	40.953	45.278	0.889	1.409	940
1000	2.746	34.302	2.681	27.378	32.034	36.576	41.008	45.337	0.929	1.903	990
1050	2.638	34.386	2.569	27.455	32.113	36.657	41.092	45.423	0.966	1.915	1039
1100	2.609	34.402	2.537	27.471	32.130	36.674	41.110	45.442	1.001	0.771	1088
1141	2.607	34.406	2.532	27.474	32.133	36.678	41.113	45.445	1.029	0.479	1129

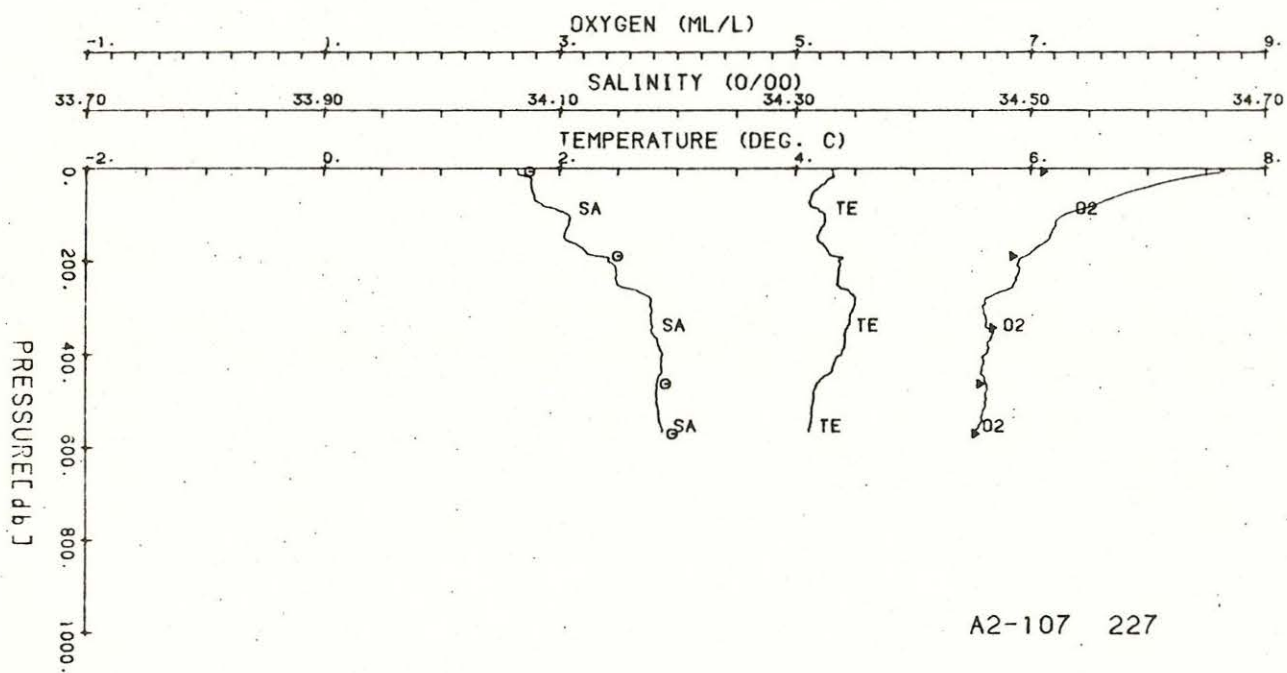
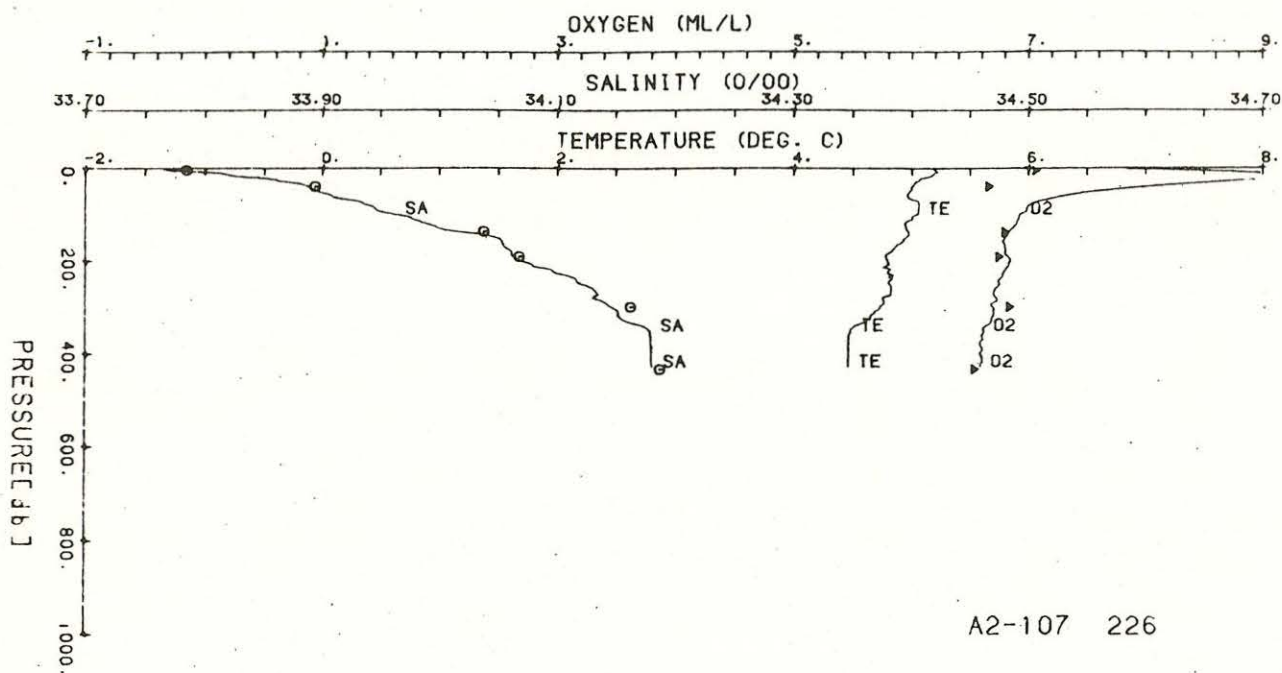


STA-224 LAT= 52 59.5 S LON= 59 53.2 W SONIC DEPTH 122 m STA-224
 DATE 29/ 8/80 GMT 2036 CTD# 8

PR dbar	T Deg C	S o/oo	θ Deg C	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N cm	DE m
5	5.395	33.742	5.395	26.655	31.243	35.719	40.089	44.357	0.007	0.721	5
25	5.337	33.751	5.335	26.669	31.258	35.736	40.107	44.377	0.035	1.604	25
50	5.339	33.763	5.335	26.679	31.268	35.746	40.117	44.387	0.069	0.875	50
75	5.345	33.772	5.339	26.685	31.274	35.752	40.123	44.393	0.104	0.790	74
100	5.345	33.774	5.337	26.687	31.276	35.754	40.125	44.394	0.138	0.515	99
125	5.346	33.777	5.338	26.690	31.279	35.756	40.127	44.397	0.172	1.463	124
150	5.577	33.867	5.569	26.734	31.316	35.787	40.153	44.416	0.206	2.480	149
175	5.673	34.015	5.659	26.839	31.418	35.885	40.247	44.508	0.239	3.162	174
200	5.630	34.031	5.614	26.857	31.437	35.906	40.268	44.530	0.270	1.886	198
250	5.491	34.080	5.471	26.913	31.496	35.968	40.334	44.598	0.330	1.597	248
300	5.337	34.105	5.313	26.952	31.539	36.014	40.383	44.651	0.389	1.996	298
305	5.322	34.108	5.297	26.956	31.543	36.019	40.389	44.657	0.394	1.515	302

STA-225 LAT= 52 31.7 S LON= 61 42.0 W SONIC DEPTH 333 m STA-225
 DATE 30/ 8/80 GMT 321 CTD# 8

PR dbar	T Deg C	S o/oo	θ Deg C	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N cm	DE m
3	5.410	33.701	5.409	26.621	31.208	35.685	40.055	44.323	0.004	1.410	3
25	5.431	33.737	5.429	26.647	31.234	35.709	40.079	44.346	0.035	1.473	25
50	5.385	33.761	5.381	26.672	31.259	35.736	40.106	44.375	0.070	2.092	50
75	5.273	33.784	5.268	26.703	31.293	35.773	40.145	44.416	0.105	2.312	74
100	5.209	33.823	5.201	26.742	31.334	35.814	40.189	44.461	0.138	2.426	99
125	5.168	33.861	5.158	26.777	31.370	35.851	40.226	44.499	0.171	1.444	124
150	5.085	33.890	5.073	26.809	31.404	35.888	40.264	44.539	0.203	2.194	149
175	5.048	33.911	5.039	26.831	31.427	35.911	40.288	44.563	0.234	1.258	174
200	5.009	33.936	4.994	26.855	31.451	35.936	40.314	44.590	0.265	1.996	198
250	5.134	34.120	5.114	26.987	31.579	36.059	40.433	44.705	0.324	2.926	248
300	4.917	34.157	4.894	27.042	31.639	36.124	40.503	44.780	0.378	0.780	298
321	4.918	34.157	4.893	27.042	31.639	36.125	40.504	44.780	0.400	-0.292	318

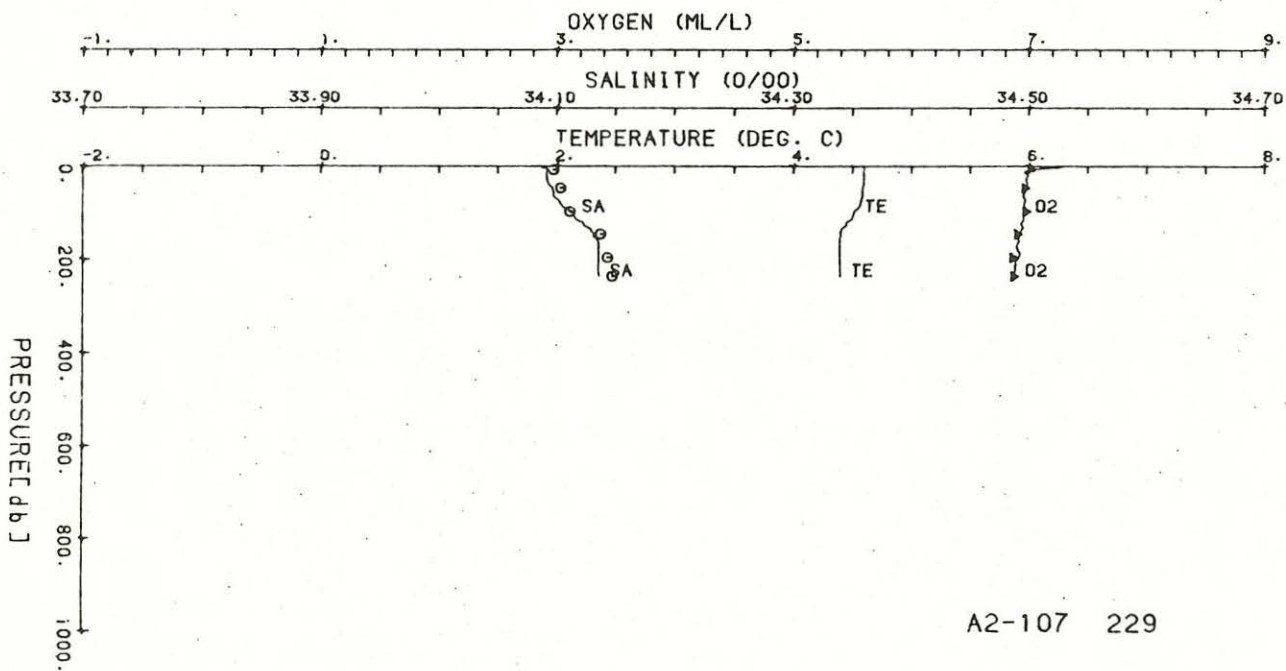
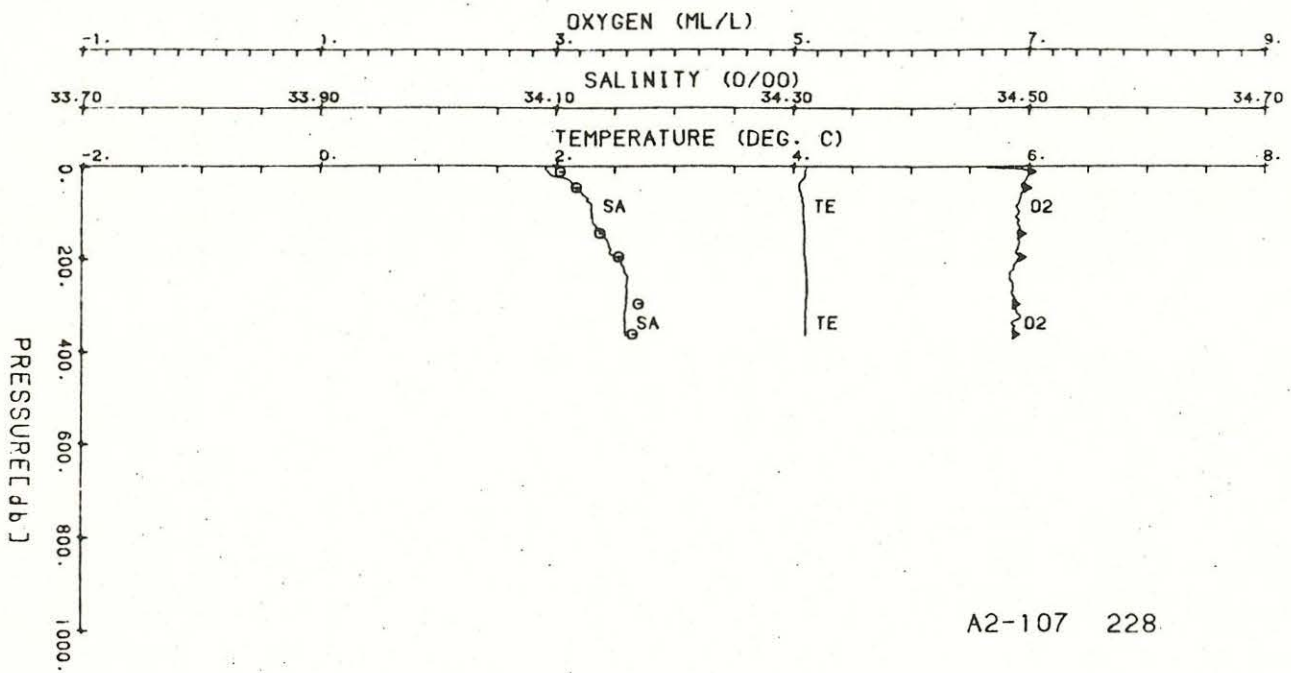


STA-226 LAT= 53 1.6 S LON= 61 43.0 W SONIC DEPTH 440 m STA-226
 DATE 30/ 8/80 GMT 64I CTD# 8

PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							coh	m
3	5.194	33.766	5.194	26.697	31.290	35.771	40.146	44.419	0.004	3.952	3
25	5.072	33.858	5.070	26.784	31.380	35.863	40.240	44.515	0.033	3.318	25
50	4.983	33.897	4.979	26.826	31.423	35.908	40.287	44.564	0.064	1.828	50
75	5.056	33.936	5.050	26.848	31.444	35.927	40.304	44.579	0.095	1.535	74
100	5.035	33.965	5.027	26.874	31.469	35.953	40.330	44.605	0.125	2.285	99
125	4.947	33.996	4.938	26.909	31.507	35.992	40.371	44.648	0.155	1.789	124
150	4.947	34.048	4.939	26.950	31.547	36.033	40.411	44.688	0.184	2.182	149
175	4.839	34.058	4.828	26.971	31.571	36.059	40.440	44.719	0.212	1.625	174
200	4.795	34.070	4.780	26.985	31.586	36.078	40.458	44.738	0.239	1.596	198
250	4.813	34.123	4.794	27.026	31.626	36.114	40.496	44.775	0.294	1.319	248
300	4.724	34.148	4.702	27.056	31.659	36.149	40.533	44.814	0.347	1.560	298
350	4.479	34.179	4.454	27.107	31.716	36.213	40.602	44.889	0.398	1.496	347
400	4.461	34.180	4.432	27.111	31.720	36.217	40.607	44.895	0.448	0.222	397
427	4.459	34.181	4.428	27.112	31.721	36.219	40.609	44.896	0.475	0.310	423

STA-227 LAT= 53 26.0 S LON= 61 43.2 W SONIC DEPTH 566 m STA-227
 DATE 30/ 8/80 GMT 917 CTD# 8

PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							coh	m
3	4.310	34.063	4.310	27.031	31.645	36.148	40.540	44.831	0.003	0.217	3
25	4.272	34.076	4.271	27.045	31.660	36.162	40.556	44.848	0.026	1.591	25
50	4.158	34.077	4.154	27.059	31.676	36.181	40.578	44.873	0.051	1.256	50
75	4.120	34.083	4.114	27.067	31.686	36.192	40.590	44.886	0.077	1.084	74
100	4.243	34.107	4.236	27.074	31.689	36.191	40.587	44.879	0.102	0.701	99
125	4.230	34.107	4.221	27.076	31.691	36.194	40.589	44.882	0.127	0.580	124
150	4.186	34.105	4.179	27.078	31.695	36.199	40.596	44.890	0.152	0.707	149
175	4.269	34.121	4.257	27.083	31.697	36.199	40.593	44.885	0.177	0.539	174
200	4.375	34.143	4.361	27.089	31.700	36.199	40.591	44.881	0.203	0.975	198
250	4.363	34.151	4.345	27.097	31.709	36.208	40.600	44.890	0.253	0.676	248
300	4.491	34.179	4.469	27.106	31.714	36.210	40.599	44.885	0.303	0.695	297
350	4.423	34.179	4.397	27.114	31.724	36.222	40.612	44.901	0.352	0.836	347
400	4.379	34.188	4.358	27.126	31.737	36.236	40.628	44.917	0.402	1.004	396
450	4.229	34.185	4.197	27.140	31.755	36.258	40.653	44.946	0.451	1.061	446
500	4.151	34.183	4.115	27.147	31.765	36.270	40.667	44.962	0.500	0.559	495
550	4.130	34.187	4.099	27.152	31.771	36.276	40.674	44.970	0.549	0.652	545
565	4.115	34.188	4.074	27.155	31.774	36.280	40.679	44.974	0.564	0.561	560

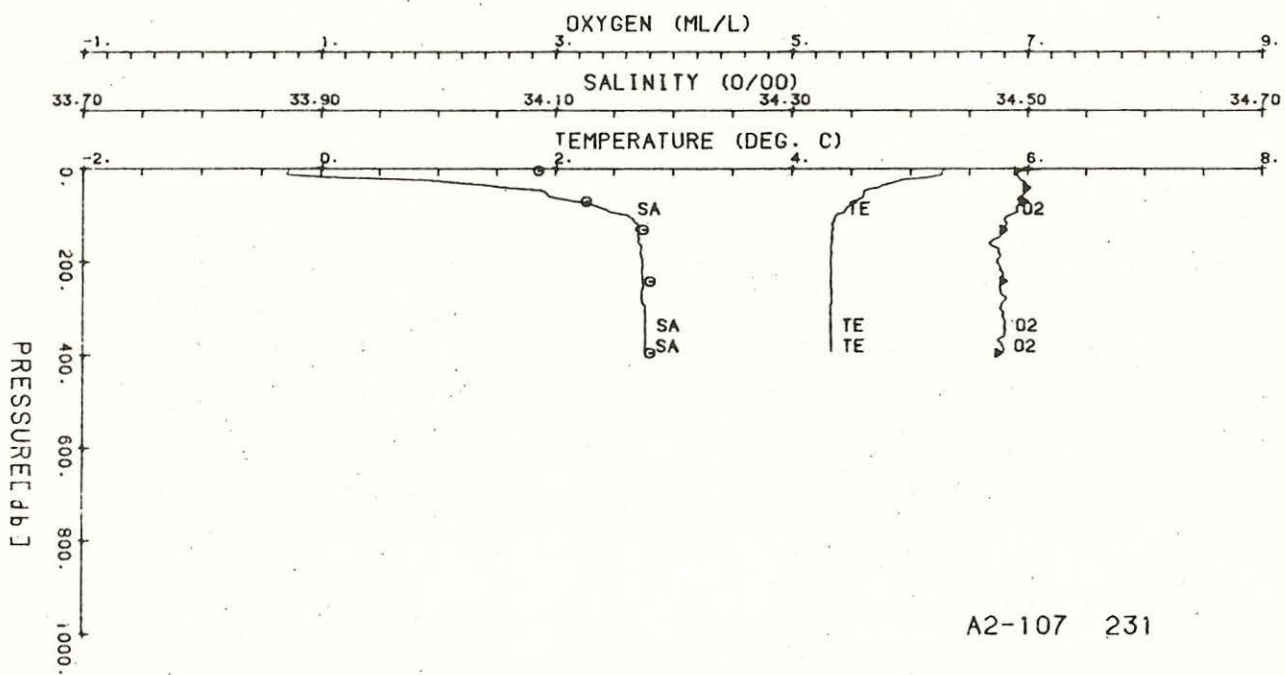
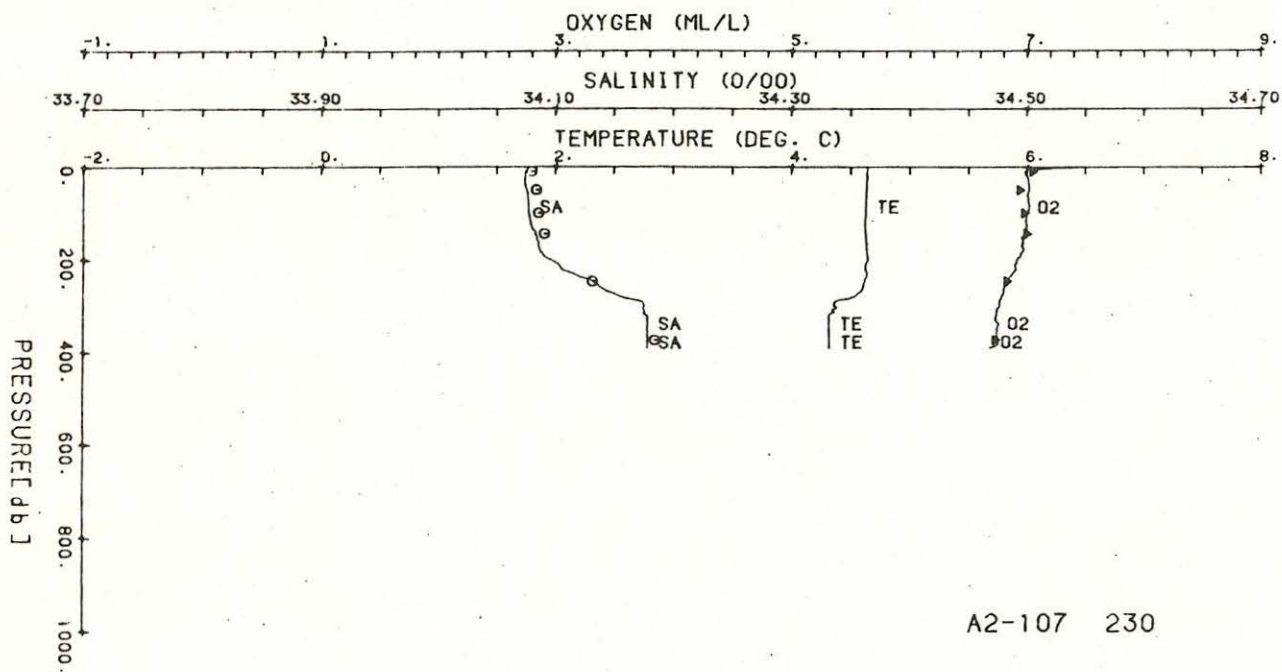


STA-228 LAT= 53 49.1 S LON= 61 46.7 W SONIC DEPTH 371 m STA-228
 DATE 30/ 8/80 GMT 1201 CTD# 8

PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							σ _θ	m
3	4.115	34.092	4.115	27.075	31.693	36.199	40.597	44.893	0.003	1.178	3
25	4.088	34.104	4.086	27.087	31.706	36.213	40.611	44.908	0.025	1.820	25
50	4.052	34.118	4.049	27.102	31.722	36.229	40.629	44.926	0.049	0.957	50
75	4.075	34.127	4.071	27.107	31.726	36.233	40.632	44.928	0.074	0.746	74
100	4.083	34.130	4.076	27.109	31.728	36.234	40.633	44.929	0.098	0.129	99
125	4.091	34.133	4.082	27.110	31.729	36.235	40.634	44.930	0.122	0.583	124
150	4.094	34.142	4.084	27.117	31.736	36.242	40.641	44.937	0.147	0.879	149
175	4.092	34.146	4.080	27.121	31.740	36.246	40.645	44.941	0.171	0.486	174
200	4.102	34.154	4.089	27.127	31.745	36.251	40.650	44.945	0.195	0.816	198
250	4.118	34.161	4.098	27.131	31.749	36.255	40.653	44.948	0.243	0.214	248
300	4.109	34.160	4.088	27.131	31.750	36.256	40.654	44.950	0.292	0.030	297
350	4.106	34.159	4.081	27.132	31.750	36.256	40.655	44.951	0.341	0.253	347
363	4.107	34.160	4.081	27.132	31.751	36.257	40.655	44.951	0.353	0.340	360

STA-229 LAT= 54 15.0 S LON= 61 48.0 W SONIC DEPTH 244 m STA-229
 DATE 30/ 8/80 GMT 1504 CTD# 8

PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							σ _θ	m
3	4.595	34.087	4.599	27.020	31.625	36.119	40.506	44.790	0.003	0.759	3
25	4.596	34.092	4.594	27.023	31.629	36.122	40.509	44.793	0.026	0.405	25
50	4.585	34.097	4.581	27.028	31.634	36.128	40.515	44.800	0.052	0.838	50
75	4.572	34.102	4.567	27.034	31.641	36.135	40.522	44.807	0.078	1.109	74
100	4.514	34.113	4.507	27.049	31.657	36.153	40.541	44.827	0.104	1.416	99
125	4.448	34.123	4.439	27.065	31.675	36.172	40.562	44.850	0.130	1.614	124
150	4.400	34.132	4.389	27.077	31.688	36.187	40.578	44.867	0.155	0.903	149
175	4.393	34.136	4.380	27.081	31.692	36.191	40.583	44.871	0.181	0.239	174
200	4.394	34.136	4.380	27.081	31.692	36.191	40.583	44.872	0.206	-0.137	198
237	4.397	34.136	4.380	27.082	31.693	36.191	40.583	44.872	0.243	0.308	235

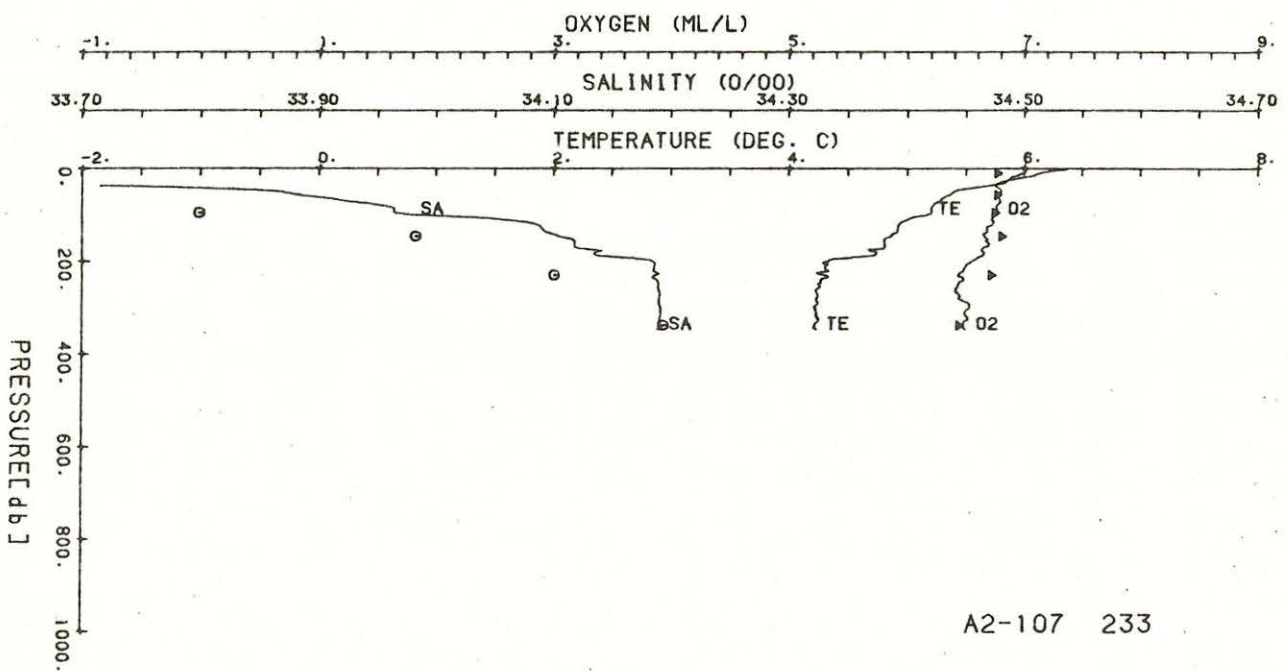
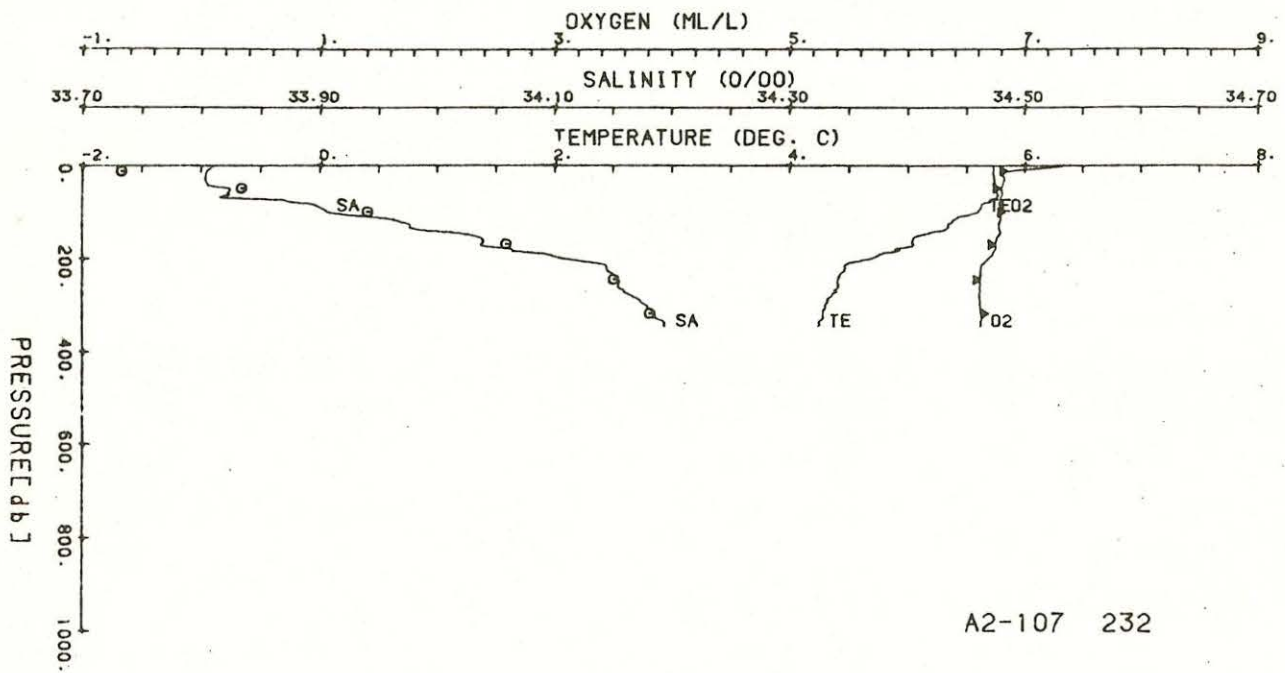


STA-230 LAT= 54 15.0 S LON= 62 4.0 W SONIC DEPTH 401 m STA-230
 DATE 30/ 8/80 GMT 1620 CTD# 8

PR dbar	T Deg C	S o/oo	θ Deg C	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N cpk	DE m
1	4.632	34.077	4.632	27.007	31.612	36.109	40.491	44.774	0.001	-0.845	1
25	4.637	34.074	4.636	27.004	31.609	36.102	40.489	44.771	0.027	0.197	25
50	4.632	34.075	4.629	27.006	31.611	36.104	40.490	44.774	0.053	0.594	50
75	4.629	34.077	4.623	27.008	31.613	36.106	40.492	44.776	0.080	0.399	74
100	4.627	34.077	4.620	27.009	31.614	36.107	40.493	44.777	0.107	0.423	99
125	4.621	34.079	4.612	27.011	31.617	36.110	40.496	44.780	0.133	0.617	124
150	4.630	34.084	4.619	27.014	31.619	36.112	40.498	44.782	0.160	0.456	149
175	4.635	34.086	4.623	27.016	31.621	36.114	40.500	44.783	0.187	0.517	174
200	4.643	34.097	4.629	27.023	31.628	36.121	40.506	44.790	0.214	1.270	198
250	4.614	34.135	4.595	27.057	31.653	36.156	40.542	44.826	0.266	1.604	248
300	4.366	34.175	4.344	27.116	31.728	36.227	40.619	44.909	0.317	1.587	297
350	4.317	34.179	4.292	27.125	31.738	36.238	40.631	44.922	0.366	-0.034	347
389	4.321	34.179	4.293	27.125	31.737	36.238	40.631	44.922	0.405	-0.139	386

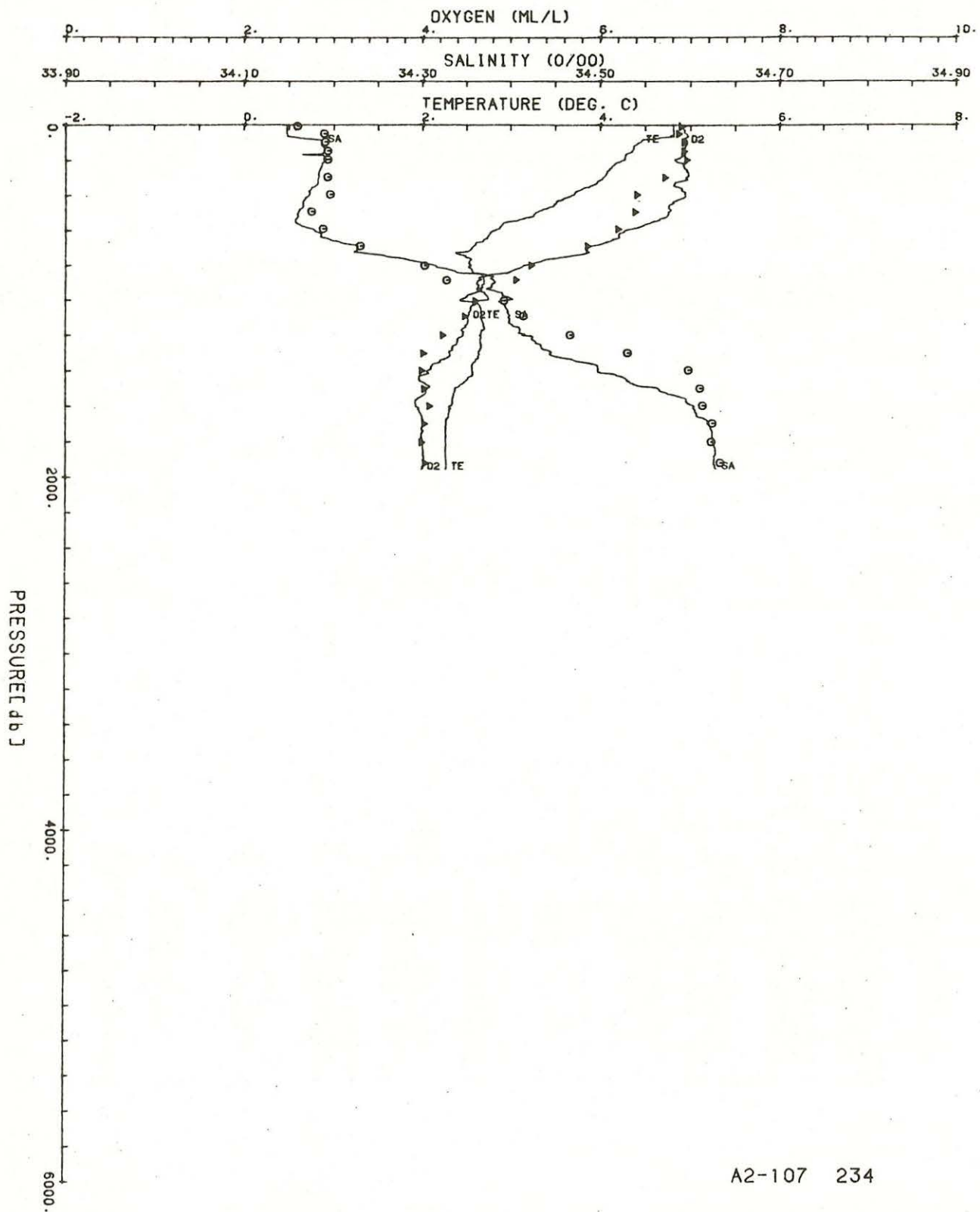
STA-231 LAT= 54 17.5 S LON= 62 42.5 W SONIC DEPTH 391 m STA-231
 DATE 30/ 8/80 GMT 1850 CTD# 8

PR dbar	T Deg C	S o/oo	θ Deg C	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N cpk	DE m
3	5.283	33.872	5.282	26.771	31.361	35.839	40.211	44.481	0.004	-0.380	3
25	4.954	33.981	4.952	26.895	31.493	35.978	40.357	44.634	0.031	5.327	25
50	4.614	34.090	4.611	27.020	31.625	36.118	40.504	44.788	0.059	2.753	50
75	4.500	34.128	4.499	27.063	31.671	36.166	40.555	44.841	0.085	2.563	74
100	4.385	34.160	4.378	27.100	31.711	36.210	40.601	44.890	0.110	2.169	99
125	4.344	34.169	4.339	27.113	31.725	36.224	40.617	44.906	0.134	0.666	124
150	4.338	34.171	4.327	27.115	31.727	36.227	40.619	44.909	0.159	0.756	149
175	4.331	34.173	4.319	27.118	31.730	36.230	40.622	44.912	0.183	0.746	174
200	4.328	34.174	4.314	27.119	31.731	36.232	40.624	44.914	0.207	0.058	198
250	4.330	34.175	4.312	27.120	31.732	36.232	40.625	44.915	0.256	-0.233	248
300	4.327	34.177	4.305	27.122	31.734	36.235	40.628	44.918	0.305	0.533	297
350	4.329	34.177	4.304	27.122	31.735	36.235	40.628	44.918	0.355	0.125	347
393	4.334	34.176	4.309	27.121	31.734	36.234	40.627	44.918	0.397	-0.305	390



STA-232		LAT= 54 16.7 S		LON= 63 5.8 W		SONIC DEPTH 371 m				STA-232	
DATE 30/ 8/80		GMT 2054		CTD# 8							
PR	T	S	R	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cm	m
3	5.727	33.809	5.727	26.668	31.247	35.715	40.076	44.337	0.004	-1.117	3
25	5.733	33.803	5.731	26.663	31.241	35.709	40.071	44.331	0.035	-0.486	25
50	5.755	33.820	5.751	26.674	31.252	35.719	40.080	44.340	0.069	1.452	50
75	5.714	33.859	5.708	26.709	31.288	35.756	40.118	44.378	0.104	3.383	74
100	5.588	33.907	5.580	26.763	31.345	35.816	40.180	44.443	0.137	2.621	99
125	5.360	33.972	5.350	26.842	31.429	35.905	40.274	44.542	0.168	2.174	124
150	5.119	34.026	5.109	26.913	31.506	35.987	40.362	44.635	0.199	3.435	149
175	5.001	34.045	4.987	26.942	31.538	36.022	40.399	44.675	0.228	2.406	174
200	4.694	34.106	4.679	27.025	31.628	36.120	40.504	44.786	0.255	3.032	198
250	4.404	34.155	4.386	27.096	31.707	36.205	40.596	44.885	0.306	1.084	248
300	4.305	34.177	4.283	27.125	31.738	36.239	40.632	44.923	0.356	1.421	297
347	4.241	34.195	4.218	27.145	31.760	36.263	40.658	44.950	0.401	1.330	344

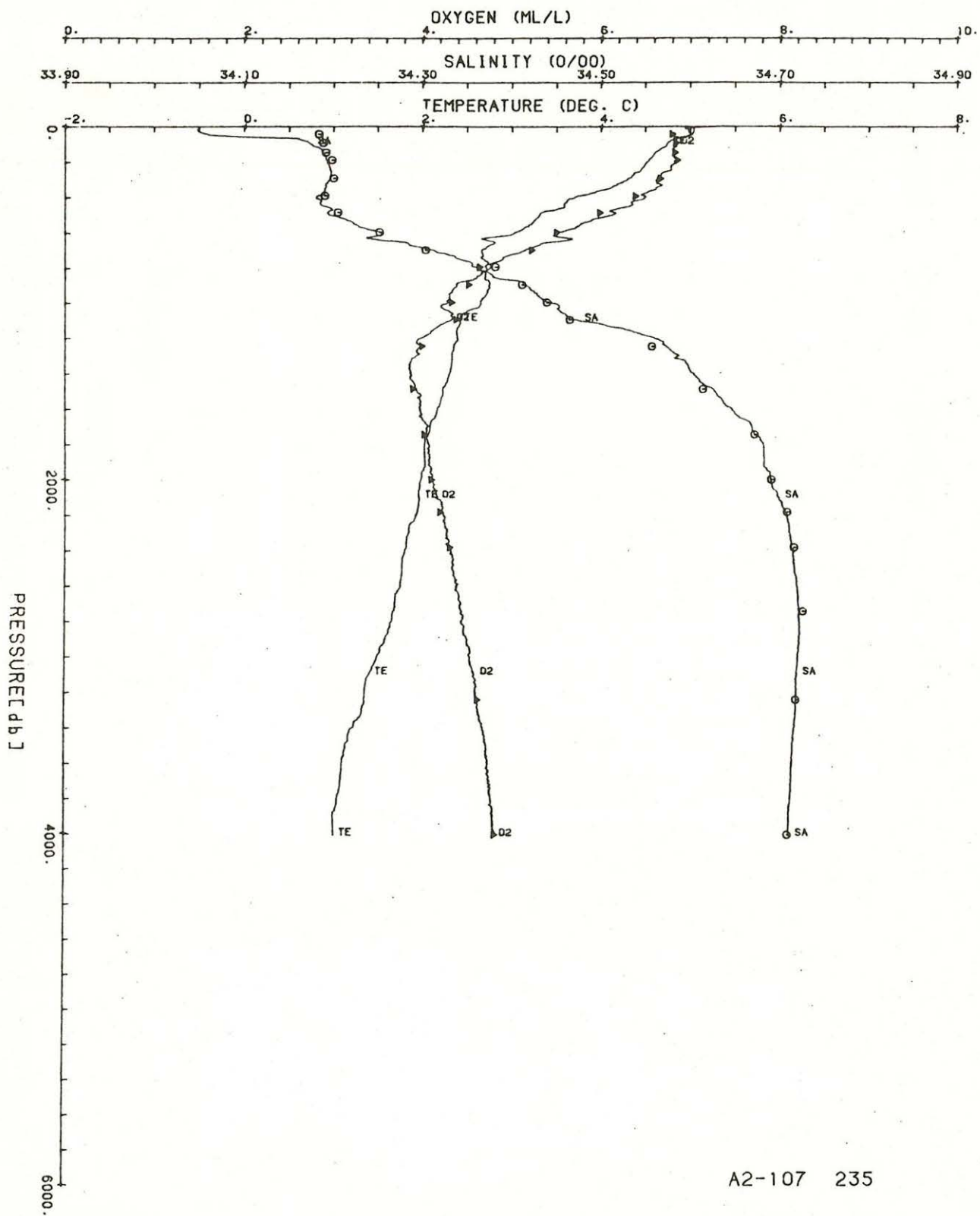
STA-233		LAT= 54 35.1 S		LON= 63 15.3 W		SONIC DEPTH 371 m				STA-233	
DATE 30/ 8/80		GMT 2358		CTD# 8							
PR	T	S	R	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cm	m
3	6.018	33.306	6.018	26.235	30.811	35.275	39.634	43.892	0.005	4.479	3
25	5.867	33.528	5.867	26.429	31.007	35.474	39.834	44.093	0.043	6.052	25
50	5.408	33.862	5.404	26.749	31.335	35.810	40.179	44.447	0.079	4.762	50
75	5.243	33.939	5.238	26.829	31.419	35.898	40.271	44.541	0.111	2.977	74
100	5.149	33.991	5.142	26.882	31.474	35.955	40.329	44.601	0.142	3.921	99
125	4.922	34.089	4.912	26.985	31.582	36.068	40.447	44.724	0.170	1.886	124
150	4.828	34.112	4.817	27.014	31.614	36.102	40.483	44.762	0.197	2.138	149
175	4.746	34.131	4.733	27.039	31.641	36.132	40.513	44.794	0.224	1.972	174
200	4.328	34.185	4.313	27.127	31.740	36.240	40.632	44.922	0.249	2.335	198
250	4.259	34.189	4.242	27.139	31.753	36.255	40.649	44.941	0.297	0.813	248
300	4.220	34.191	4.199	27.145	31.760	36.263	40.658	44.951	0.345	0.365	297
347	4.230	34.189	4.209	27.142	31.758	36.260	40.656	44.948	0.391	0.812	344



A2-107 234

STA-234 LAT= 54 59.9 S LON= 63 10.2 W SONIC DEPTH 1961 m STA-234
 DATE 31/ 9/80 GMT 301 CTD# 8

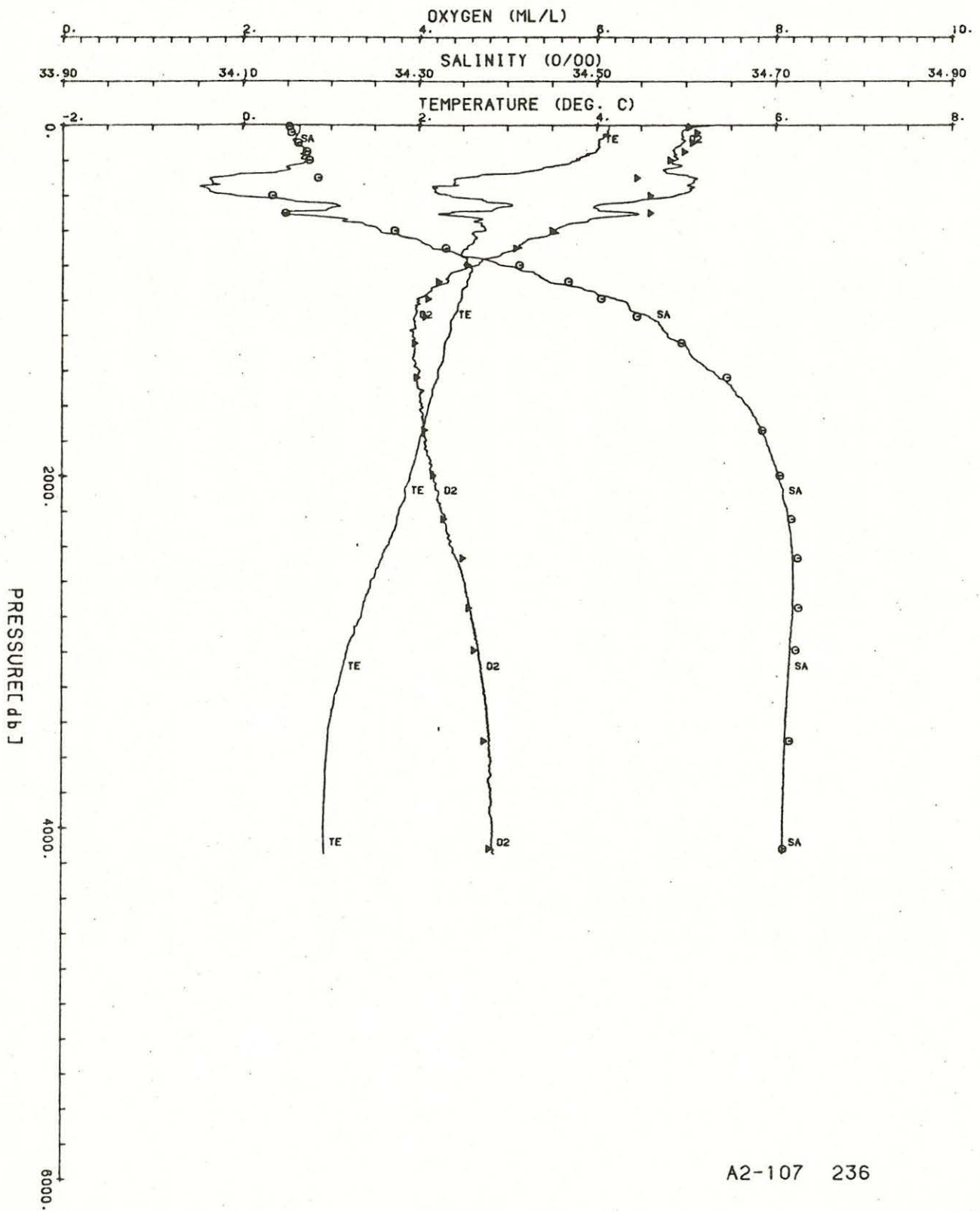
PP	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cmh	m
1	4.801	34.141	4.801	27.039	31.639	36.127	40.508	44.787	0.001	0.928	1
25	4.807	34.147	4.809	27.044	31.643	36.131	40.512	44.791	0.026	-0.135	25
50	4.811	34.147	4.807	27.043	31.643	36.131	40.512	44.791	0.051	0.628	50
75	4.655	34.161	4.649	27.072	31.675	36.157	40.552	44.834	0.077	3.045	74
100	4.435	34.186	4.427	27.116	31.725	36.222	40.612	44.900	0.102	0.972	99
125	4.369	34.188	4.360	27.124	31.735	36.234	40.626	44.915	0.126	0.924	124
150	4.350	34.190	4.339	27.128	31.740	36.239	40.631	44.921	0.150	0.778	149
175	4.279	34.188	4.267	27.135	31.748	36.250	40.643	44.935	0.174	0.786	174
200	4.257	34.191	4.243	27.140	31.754	36.256	40.650	44.942	0.198	0.984	198
250	4.105	34.185	4.098	27.151	31.769	36.275	40.673	44.969	0.245	0.657	248
300	4.030	34.183	4.009	27.158	31.778	36.286	40.686	44.983	0.292	0.833	297
350	3.883	34.179	3.859	27.170	31.794	36.306	40.710	45.011	0.340	1.059	347
400	3.691	34.172	3.663	27.184	31.814	36.330	40.739	45.045	0.386	0.983	396
450	3.494	34.165	3.464	27.198	31.833	36.355	40.769	45.080	0.432	0.931	446
500	3.284	34.160	3.251	27.214	31.855	36.383	40.802	45.118	0.478	0.977	495
550	2.997	34.157	2.962	27.238	31.887	36.422	40.849	45.172	0.522	1.605	545
600	2.811	34.178	2.773	27.272	31.926	36.466	40.897	45.225	0.566	1.486	594
650	2.704	34.195	2.663	27.294	31.951	36.494	40.928	45.258	0.608	1.581	644
700	2.558	34.227	2.513	27.333	31.994	36.540	40.978	45.312	0.648	1.148	693
750	2.495	34.265	2.449	27.369	32.031	36.579	41.018	45.353	0.687	1.439	743
800	2.536	34.315	2.486	27.406	32.067	36.613	41.051	45.385	0.724	1.342	792
850	2.658	34.371	2.603	27.441	32.098	36.641	41.075	45.405	0.760	1.277	841
900	2.696	34.381	2.638	27.446	32.102	36.644	41.077	45.406	0.795	0.778	891
950	2.680	34.387	2.618	27.452	32.108	36.651	41.084	45.414	0.830	0.574	940
1000	2.664	34.393	2.599	27.459	32.115	36.659	41.093	45.423	0.865	0.796	989
1050	2.659	34.396	2.590	27.462	32.119	36.662	41.097	45.427	0.900	0.304	1039
1100	2.663	34.399	2.591	27.463	32.121	36.664	41.098	45.428	0.935	-0.189	1088
1150	2.694	34.406	2.618	27.467	32.124	36.666	41.100	45.429	0.970	0.920	1137
1200	2.655	34.418	2.575	27.480	32.138	36.681	41.116	45.446	1.004	1.038	1187
1250	2.661	34.433	2.577	27.492	32.149	36.693	41.127	45.457	1.038	0.717	1236
1300	2.637	34.445	2.549	27.504	32.162	36.706	41.141	45.472	1.072	0.971	1285
1350	2.584	34.479	2.493	27.536	32.195	36.741	41.177	45.509	1.105	1.668	1335
1400	2.564	34.498	2.469	27.553	32.213	36.758	41.195	45.528	1.137	0.997	1384
1450	2.498	34.530	2.400	27.584	32.246	36.793	41.231	45.565	1.167	1.292	1433
1500	2.367	34.564	2.266	27.623	32.288	36.838	41.280	45.617	1.197	1.442	1482
1600	2.304	34.604	2.196	27.661	32.327	36.879	41.322	45.661	1.251	0.814	1581
1700	2.265	34.620	2.150	27.677	32.344	36.898	41.342	45.681	1.304	0.754	1679
1800	2.261	34.626	2.138	27.682	32.350	36.904	41.349	45.688	1.356	0.375	1777
1900	2.264	34.626	2.132	27.684	32.352	36.908	41.350	45.690	1.408	-0.311	1876
1953	2.261	34.629	2.125	27.686	32.354	36.909	41.353	45.693	1.436	0.571	1928



A2-107 235

STA-235 LAT= 55 21.0 S LON= 63 5.3 W SONIC DEPTH 4013 m STA-235
 DATE 31/ 8/80 GMT 706 CTD# 8

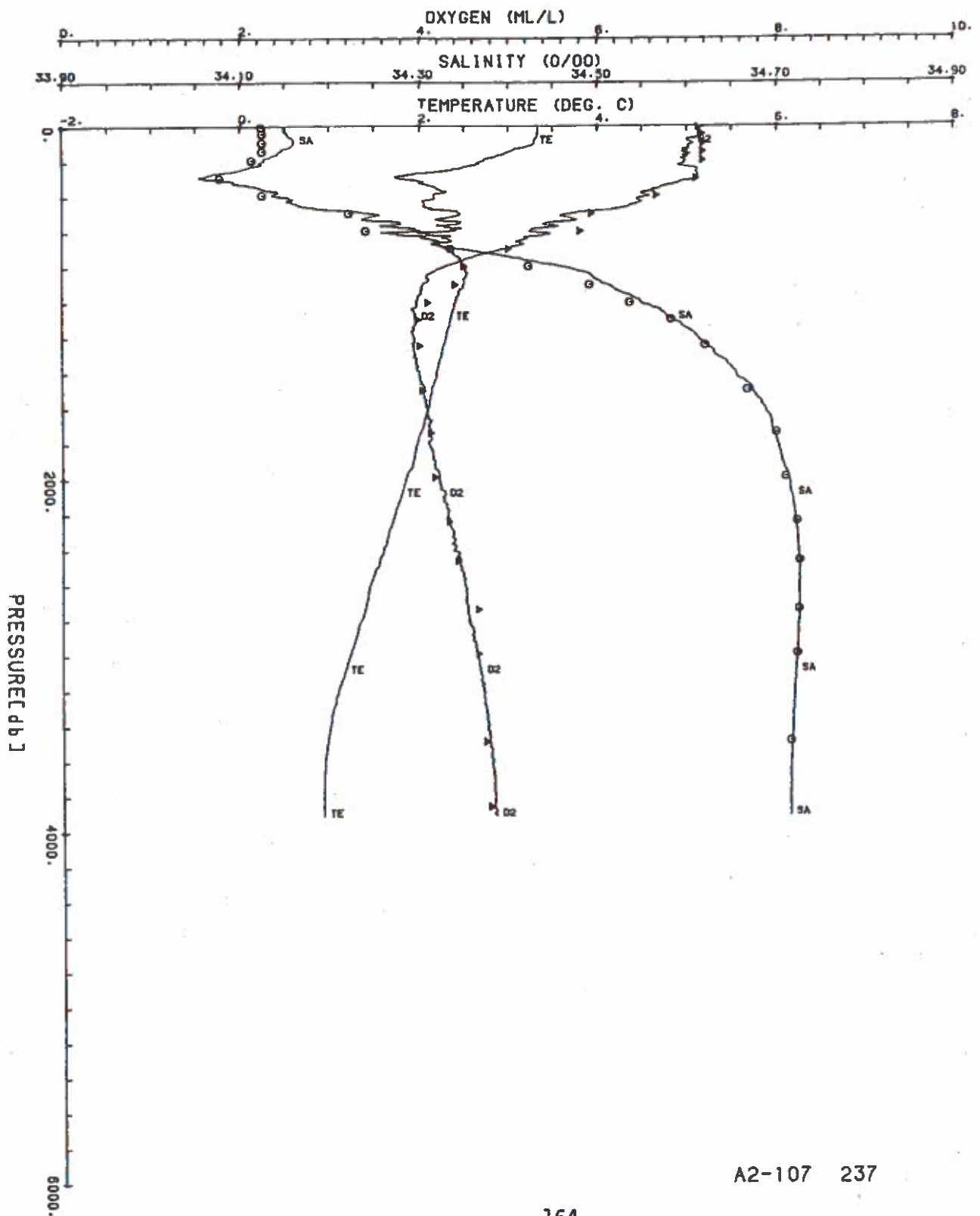
PR	T	S	A	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cm	m
3	5.056	34.049	5.056	26.937	31.531	36.013	40.389	44.663	0.003	0.462	3
25	5.038	34.049	5.038	26.940	31.534	36.017	40.393	44.668	0.028	0.854	25
50	4.995	34.069	4.992	26.961	31.556	36.040	40.417	44.692	0.056	2.773	50
75	4.801	34.164	4.799	27.058	31.658	36.146	40.527	44.806	0.083	2.273	74
100	4.739	34.175	4.732	27.074	31.675	36.165	40.547	44.828	0.108	1.076	99
125	4.678	34.185	4.669	27.089	31.692	36.183	40.567	44.849	0.133	1.483	124
150	4.608	34.189	4.599	27.100	31.705	36.197	40.583	44.867	0.158	1.074	149
175	4.570	34.191	4.557	27.106	31.712	36.206	40.592	44.877	0.183	0.879	174
200	4.521	34.193	4.507	27.113	31.720	36.215	40.609	44.889	0.207	0.909	198
250	4.443	34.197	4.425	27.125	31.734	36.231	40.621	44.908	0.256	1.040	248
300	4.294	34.195	4.272	27.140	31.753	36.254	40.648	44.939	0.305	0.999	297
350	4.087	34.190	4.062	27.158	31.777	36.283	40.682	44.978	0.352	1.426	347
400	3.704	34.181	3.677	27.190	31.819	36.335	40.744	45.049	0.399	1.406	396
450	3.585	34.190	3.559	27.209	31.841	36.361	40.772	45.080	0.445	1.380	446
500	3.307	34.196	3.274	27.241	31.881	36.408	40.826	45.141	0.489	1.355	495
550	3.213	34.224	3.177	27.272	31.914	36.443	40.864	45.181	0.532	1.362	545
600	3.031	34.254	2.993	27.313	31.960	36.494	40.919	45.240	0.574	1.643	594
650	2.788	34.273	2.747	27.350	32.004	36.544	40.975	45.303	0.614	1.609	644
700	2.661	34.313	2.617	27.393	32.050	36.594	41.028	45.358	0.652	1.512	693
750	2.678	34.343	2.631	27.415	32.072	36.619	41.048	45.378	0.688	0.911	743
800	2.712	34.362	2.661	27.429	32.084	36.626	41.059	45.387	0.724	1.032	792
850	2.700	34.380	2.646	27.444	32.100	36.642	41.075	45.404	0.759	1.199	841
900	2.743	34.417	2.684	27.470	32.125	36.665	41.097	45.425	0.794	0.845	891
950	2.714	34.429	2.652	27.483	32.138	36.679	41.112	45.440	0.828	0.977	940
1000	2.650	34.448	2.584	27.503	32.160	36.703	41.137	45.467	0.861	1.209	989
1050	2.495	34.456	2.428	27.523	32.184	36.731	41.170	45.503	0.893	1.435	1039
1100	2.410	34.478	2.340	27.548	32.212	36.761	41.202	45.537	0.924	1.694	1088
1150	2.387	34.530	2.313	27.592	32.256	36.805	41.246	45.582	0.954	1.521	1137
1200	2.392	34.563	2.314	27.618	32.282	36.831	41.272	45.607	0.982	1.182	1187
1250	2.351	34.576	2.270	27.632	32.297	36.847	41.289	45.625	1.009	0.878	1236
1300	2.332	34.588	2.247	27.643	32.309	36.860	41.301	45.639	1.036	0.755	1285
1350	2.325	34.599	2.237	27.653	32.318	36.870	41.312	45.649	1.062	0.612	1335
1400	2.303	34.605	2.211	27.660	32.326	36.878	41.321	45.659	1.089	0.875	1384
1450	2.274	34.614	2.178	27.670	32.337	36.890	41.339	45.672	1.114	0.981	1433
1500	2.230	34.629	2.131	27.686	32.354	36.908	41.352	45.692	1.140	0.771	1482
1600	2.171	34.648	2.064	27.706	32.376	36.932	41.378	45.719	1.189	0.898	1581
1700	2.090	34.670	1.977	27.731	32.403	36.961	41.409	45.753	1.236	0.738	1679
1800	2.029	34.683	1.908	27.747	32.421	36.980	41.430	45.775	1.282	0.530	1777
1900	2.034	34.684	1.905	27.748	32.422	36.981	41.431	45.777	1.327	0.393	1876
2000	1.988	34.692	1.852	27.758	32.433	36.994	41.446	45.792	1.372	0.525	1974
2100	1.969	34.701	1.824	27.767	32.444	37.005	41.457	45.804	1.417	0.533	2072
2200	1.933	34.710	1.780	27.778	32.456	37.018	41.472	45.820	1.461	0.743	2170
2300	1.853	34.713	1.692	27.788	32.467	37.033	41.488	45.838	1.504	0.533	2268
2400	1.810	34.717	1.642	27.794	32.476	37.042	41.499	45.851	1.546	0.591	2366
2500	1.779	34.719	1.603	27.799	32.481	37.049	41.506	45.859	1.588	0.384	2464
2600	1.762	34.722	1.577	27.803	32.486	37.054	41.513	45.866	1.630	0.604	2562
2700	1.699	34.724	1.506	27.809	32.494	37.065	41.525	45.880	1.672	0.408	2660
2800	1.664	34.725	1.462	27.813	32.500	37.071	41.533	45.889	1.713	0.538	2758
2900	1.591	34.725	1.382	27.819	32.508	37.081	41.545	45.903	1.754	0.661	2856
3000	1.502	34.723	1.284	27.825	32.516	37.093	41.559	45.920	1.794	0.630	2954
3100	1.412	34.722	1.187	27.831	32.525	37.104	41.573	45.936	1.833	0.677	3051
3200	1.364	34.721	1.131	27.834	32.530	37.110	41.581	45.946	1.871	0.331	3149
3300	1.331	34.721	1.088	27.836	32.539	37.119	41.587	45.953	1.910	0.559	3247
3400	1.228	34.719	0.979	27.842	32.542	37.127	41.602	45.971	1.947	0.757	3344
3500	1.144	34.717	0.888	27.847	32.550	37.137	41.615	45.986	1.984	0.559	3442
3600	1.103	34.716	0.837	27.849	32.553	37.143	41.621	45.994	2.020	0.414	3539
3700	1.089	34.716	0.813	27.850	32.555	37.149	41.624	45.997	2.056	0.372	3637
3800	1.049	34.715	0.763	27.852	32.559	37.150	41.631	46.005	2.092	0.460	3734
3900	1.001	34.713	0.707	27.855	32.563	37.156	41.638	46.014	2.127	0.428	3831
4000	1.010	34.713	0.709	27.855	32.563	37.156	41.638	46.014	2.162	0.093	3929
4011	1.011	34.714	0.709	27.855	32.564	37.157	41.639	46.015	2.166	0.606	3940



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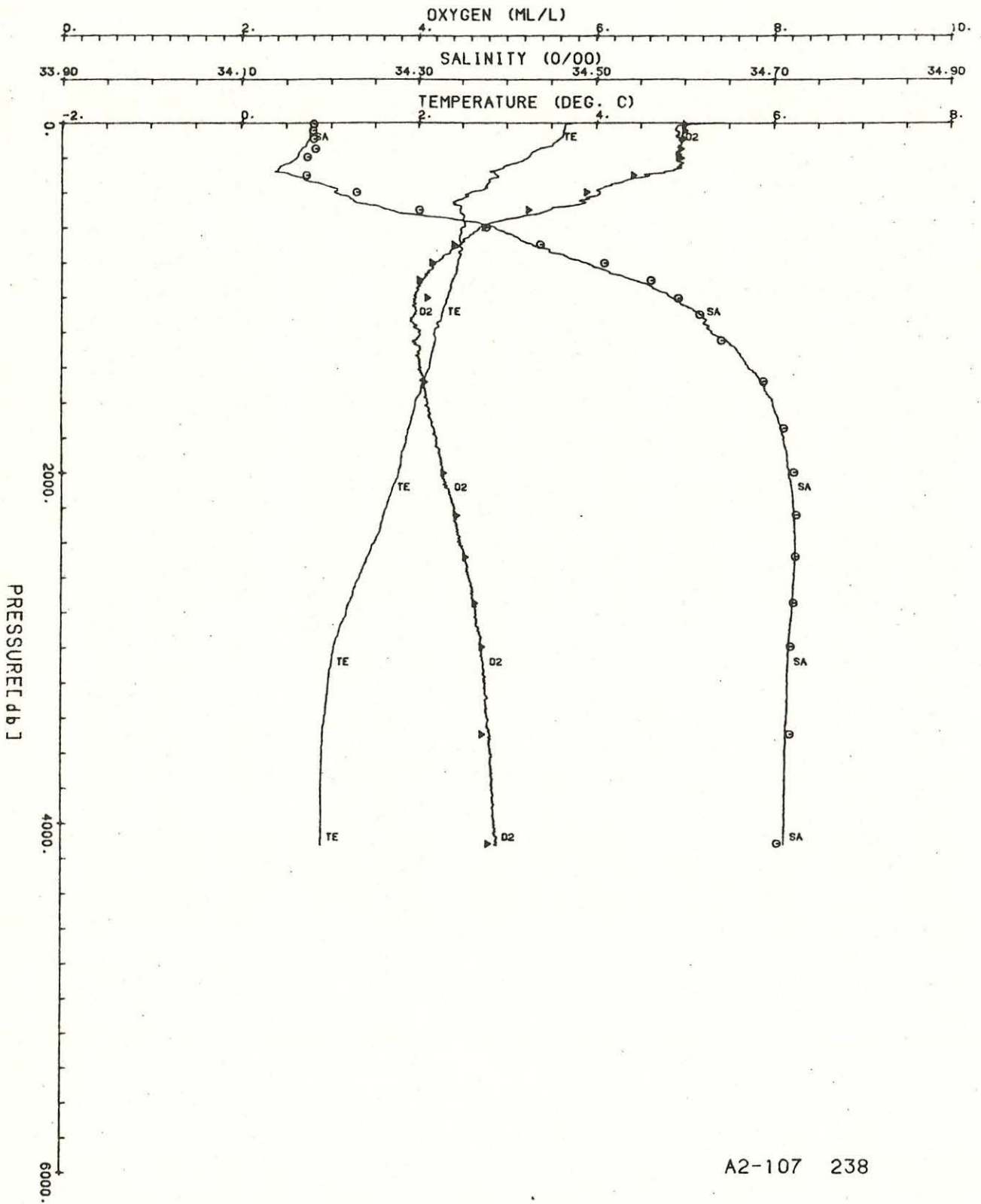
STA-236 LAT= 55 59.1 S LON= 63 13.7 W SONIC DEPTH 4073 m STA-236
 DATE 31/ 8/80 GMT 1343 CTD# 8

PR	T	S	θ	SIG-9	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cdh	m
3	4.148	34.160	4.148	27.125	31.742	36.246	40.643	44.938	0.003	0.985	3
25	4.133	34.163	4.131	27.130	31.747	36.252	40.649	44.944	0.024	0.527	25
50	4.109	34.161	4.106	27.130	31.748	36.254	40.652	44.947	0.047	0.571	50
75	4.065	34.159	4.060	27.133	31.753	36.259	40.658	44.955	0.071	0.731	74
100	4.026	34.159	4.019	27.138	31.758	36.266	40.666	44.963	0.095	0.791	99
125	4.029	34.167	4.020	27.144	31.764	36.272	40.672	44.969	0.118	1.057	124
150	3.993	34.170	3.983	27.150	31.771	36.280	40.681	44.979	0.142	0.839	149
175	3.873	34.170	3.861	27.162	31.787	36.298	40.702	45.003	0.165	1.180	174
200	3.781	34.174	3.768	27.175	31.802	36.316	40.722	45.025	0.188	1.115	198
250	3.370	34.152	3.354	27.198	31.836	36.361	40.778	45.091	0.234	1.457	248
300	2.476	34.069	2.458	27.211	31.875	36.424	40.865	45.201	0.278	0.823	297
350	2.173	34.054	2.154	27.225	31.897	36.459	40.909	45.247	0.322	1.140	347
400	2.355	34.090	2.332	27.239	31.906	36.459	40.902	45.241	0.366	1.214	396
450	3.043	34.207	3.019	27.273	31.920	36.454	40.879	45.200	0.408	1.217	446
500	2.298	34.146	2.269	27.289	31.957	36.511	40.956	45.296	0.450	1.464	495
550	2.666	34.227	2.633	27.323	31.980	36.524	40.959	45.289	0.490	1.350	545
600	2.718	34.257	2.678	27.343	31.999	36.541	40.974	45.303	0.529	1.604	594
650	2.630	34.300	2.589	27.385	32.043	36.587	41.022	45.353	0.567	1.330	644
700	2.537	34.318	2.494	27.408	32.068	36.619	41.052	45.386	0.604	1.601	693
750	2.512	34.361	2.467	27.445	32.105	36.652	41.090	45.424	0.639	1.387	742
800	2.531	34.400	2.481	27.474	32.134	36.680	41.118	45.450	0.673	1.061	792
850	2.572	34.434	2.519	27.498	32.157	36.702	41.138	45.469	0.706	1.172	841
900	2.544	34.455	2.487	27.517	32.177	36.722	41.159	45.491	0.738	1.560	891
950	2.483	34.498	2.423	27.557	32.218	36.765	41.203	45.537	0.768	1.228	940
1000	2.469	34.528	2.405	27.583	32.244	36.791	41.230	45.563	0.798	1.294	989
1050	2.434	34.538	2.367	27.594	32.256	36.804	41.243	45.578	0.826	0.891	1039
1100	2.379	34.562	2.309	27.617	32.281	36.831	41.271	45.607	0.854	1.139	1088
1150	2.357	34.573	2.283	27.629	32.293	36.843	41.284	45.621	0.881	0.600	1137
1200	2.340	34.580	2.263	27.636	32.301	36.851	41.293	45.630	0.908	0.887	1187
1250	2.287	34.598	2.207	27.655	32.321	36.873	41.318	45.654	0.934	0.986	1236
1300	2.280	34.604	2.196	27.661	32.327	36.880	41.323	45.661	0.960	0.597	1285
1350	2.264	34.615	2.176	27.671	32.338	36.891	41.334	45.673	0.985	1.000	1334
1400	2.215	34.629	2.124	27.686	32.354	36.908	41.359	45.693	1.010	0.963	1384
1450	2.202	34.643	2.107	27.699	32.367	36.922	41.367	45.707	1.035	1.017	1433
1500	2.160	34.653	2.062	27.710	32.380	36.936	41.382	45.723	1.059	0.722	1482
1600	2.108	34.670	2.002	27.729	32.400	36.958	41.405	45.748	1.106	0.771	1580
1700	2.063	34.682	1.950	27.742	32.415	36.973	41.422	45.766	1.151	0.676	1679
1800	2.004	34.691	1.884	27.755	32.429	36.990	41.440	45.786	1.196	0.657	1777
1900	1.961	34.698	1.833	27.764	32.440	37.002	41.454	45.800	1.240	0.652	1875
2000	1.900	34.705	1.769	27.775	32.453	37.016	41.470	45.818	1.283	0.624	1974
2100	1.849	34.710	1.708	27.784	32.463	37.028	41.489	45.833	1.325	0.436	2072
2200	1.779	34.715	1.629	27.793	32.475	37.042	41.499	45.851	1.367	0.648	2170
2300	1.736	34.718	1.578	27.799	32.482	37.051	41.509	45.863	1.408	0.648	2268
2400	1.644	34.720	1.479	27.809	32.494	37.069	41.526	45.882	1.448	0.721	2366
2500	1.558	34.721	1.386	27.816	32.505	37.078	41.542	45.900	1.488	0.670	2464
2600	1.461	34.721	1.281	27.824	32.515	37.092	41.558	45.919	1.526	0.630	2562
2700	1.399	34.721	1.212	27.828	32.522	37.100	41.569	45.931	1.564	0.586	2660
2800	1.354	34.721	1.159	27.832	32.527	37.107	41.577	45.941	1.601	0.565	2758
2900	1.275	34.719	1.072	27.836	32.534	37.116	41.588	45.955	1.638	0.601	2856
3000	1.189	34.718	0.979	27.841	32.542	37.127	41.601	45.970	1.674	0.504	2953
3100	1.139	34.717	0.921	27.844	32.546	37.133	41.609	45.979	1.710	0.511	3051
3200	1.087	34.716	0.860	27.847	32.551	37.139	41.617	45.989	1.745	0.556	3149
3300	1.038	34.715	0.803	27.850	32.555	37.148	41.625	45.998	1.780	0.460	3246
3400	0.994	34.714	0.750	27.852	32.559	37.151	41.632	46.007	1.814	0.467	3344
3500	0.971	34.713	0.718	27.854	32.562	37.154	41.636	46.012	1.848	0.330	3441
3600	0.954	34.712	0.692	27.855	32.564	37.157	41.639	46.016	1.882	0.361	3539
3700	0.942	34.712	0.670	27.856	32.565	37.159	41.642	46.019	1.916	0.246	3636
3800	0.933	34.711	0.651	27.857	32.567	37.161	41.645	46.022	1.950	0.278	3734
3900	0.927	34.711	0.639	27.857	32.568	37.163	41.647	46.024	1.984	0.267	3831
4000	0.921	34.710	0.618	27.858	32.569	37.164	41.649	46.027	2.018	0.246	3929
4100	0.929	34.710	0.619	27.858	32.569	37.164	41.649	46.027	2.053	0.097	4026
4147	0.932	34.710	0.613	27.858	32.569	37.164	41.649	46.028	2.069	-0.042	4071



STA-237 LAT= 57 1.0 S LON= 63 12.3 W SONIC DEPTH 3871 m STA-237
 DATE 31/ 8/80 GMT 2209 CTR# 8

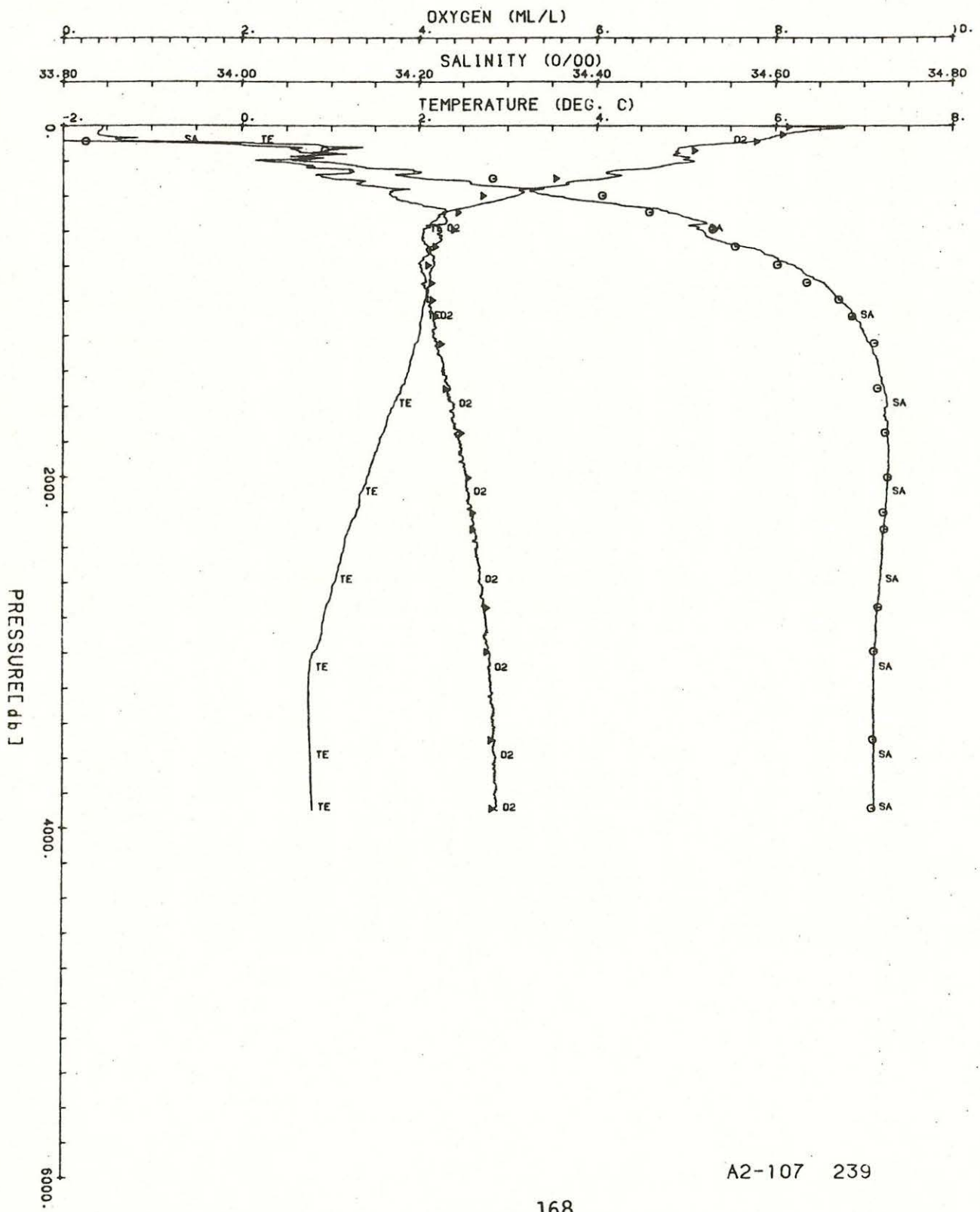
PR	T	S	σ	σ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	DEPTH	N	DE
dbar	Deg C	o/oo	Dec C	Dec C							cpk	m
3	3.341	34.148	3.341	27.196	31.833	36.360	40.777	45.091	0.003	0.838		3
25	3.340	34.151	3.338	27.199	31.837	36.363	40.780	45.094	0.022	0.798		25
50	3.334	34.154	3.331	27.201	31.840	36.366	40.783	45.097	0.044	0.629		50
75	3.309	34.160	3.305	27.209	31.848	36.375	40.793	45.107	0.066	0.901		74
100	3.293	34.160	3.286	27.211	31.851	36.378	40.796	45.111	0.088	0.488		99
125	3.153	34.152	3.145	27.218	31.862	36.392	40.814	45.133	0.110	1.196		124
150	2.992	34.144	2.982	27.226	31.874	36.409	40.839	45.158	0.131	0.907		149
175	2.848	34.134	2.837	27.231	31.884	36.422	40.859	45.179	0.153	0.842		173
200	2.707	34.126	2.699	27.237	31.893	36.436	40.870	45.200	0.174	0.803		198
250	2.343	34.098	2.329	27.245	31.912	36.465	40.909	45.248	0.217	1.116		248
300	1.822	34.066	1.808	27.261	31.943	36.510	40.968	45.320	0.259	0.908		297
350	2.179	34.122	2.160	27.278	31.950	36.507	40.955	45.298	0.300	0.871		347
400	2.141	34.147	2.139	27.300	31.972	36.530	40.978	45.321	0.341	1.479		396
450	2.049	34.167	2.024	27.325	32.000	36.561	41.012	45.359	0.380	1.203		446
500	2.450	34.252	2.421	27.361	32.024	36.573	41.013	45.349	0.418	1.302		495
550	2.450	34.279	2.417	27.383	32.046	36.595	41.034	45.370	0.456	1.144		545
600	2.178	34.278	2.144	27.404	32.074	36.631	41.078	45.420	0.492	1.234		594
650	2.350	34.320	2.311	27.424	32.090	36.641	41.083	45.421	0.527	1.188		644
700	2.320	34.351	2.278	27.452	32.118	36.670	41.113	45.451	0.562	1.404		693
750	2.449	34.413	2.403	27.491	32.153	36.701	41.141	45.475	0.595	1.428		742
800	2.518	34.464	2.466	27.526	32.186	36.733	41.170	45.502	0.626	1.468		792
850	2.519	34.494	2.467	27.550	32.210	36.756	41.193	45.525	0.656	1.001		841
900	2.490	34.512	2.433	27.567	32.228	36.774	41.212	45.545	0.686	1.106		890
950	2.438	34.529	2.378	27.586	32.248	36.796	41.235	45.570	0.715	1.714		940
1000	2.398	34.549	2.334	27.605	32.268	36.817	41.257	45.592	0.743	1.065		989
1050	2.367	34.571	2.301	27.625	32.289	36.839	41.280	45.616	0.770	1.044		1038
1100	2.341	34.584	2.271	27.639	32.303	36.853	41.294	45.631	0.797	1.048		1088
1150	2.315	34.599	2.242	27.653	32.318	36.869	41.311	45.648	0.823	1.018		1137
1200	2.292	34.611	2.219	27.665	32.330	36.882	41.325	45.663	0.848	0.782		1186
1250	2.257	34.623	2.178	27.677	32.344	36.897	41.340	45.679	0.873	0.933		1236
1300	2.239	34.631	2.159	27.685	32.353	36.906	41.350	45.689	0.898	0.801		1285
1350	2.208	34.644	2.121	27.699	32.367	36.921	41.366	45.706	0.922	0.820		1334
1400	2.184	34.654	2.093	27.709	32.378	36.932	41.378	45.718	0.946	0.643		1383
1450	2.161	34.664	2.067	27.719	32.388	36.944	41.390	45.731	0.969	1.047		1433
1500	2.129	34.672	2.031	27.729	32.399	36.959	41.402	45.744	0.992	0.659		1482
1600	2.087	34.686	1.982	27.743	32.415	36.973	41.421	45.764	1.037	0.729		1580
1700	2.038	34.694	1.924	27.754	32.428	36.987	41.436	45.781	1.081	0.606		1679
1800	1.968	34.701	1.846	27.765	32.441	37.002	41.454	45.800	1.125	0.622		1777
1900	1.922	34.706	1.799	27.774	32.450	37.013	41.466	45.813	1.167	0.611		1875
2000	1.839	34.714	1.703	27.787	32.468	37.031	41.486	45.836	1.209	0.664		1973
2100	1.783	34.717	1.643	27.794	32.478	37.042	41.499	45.850	1.251	0.640		2072
2200	1.719	34.721	1.570	27.802	32.485	37.054	41.513	45.866	1.291	0.590		2170
2300	1.651	34.723	1.495	27.810	32.495	37.066	41.526	45.882	1.331	0.584		2268
2400	1.494	34.724	1.430	27.816	32.503	37.079	41.537	45.894	1.370	0.623		2366
2500	1.528	34.726	1.356	27.822	32.511	37.086	41.550	45.909	1.409	0.627		2464
2600	1.447	34.725	1.268	27.828	32.520	37.096	41.563	45.924	1.447	0.551		2562
2700	1.406	34.725	1.219	27.831	32.524	37.103	41.571	45.933	1.484	0.478		2660
2800	1.347	34.725	1.151	27.835	32.530	37.111	41.580	45.945	1.521	0.619		2757
2900	1.285	34.724	1.082	27.839	32.536	37.118	41.590	45.956	1.558	0.593		2855
3000	1.217	34.722	1.008	27.843	32.543	37.127	41.601	45.969	1.594	0.577		2953
3100	1.154	34.721	0.939	27.847	32.548	37.134	41.610	45.980	1.629	0.564		3051
3200	1.081	34.719	0.854	27.850	32.554	37.143	41.621	45.993	1.664	0.576		3148
3300	1.028	34.718	0.792	27.854	32.560	37.150	41.630	46.003	1.699	0.557		3246
3400	0.989	34.717	0.749	27.856	32.563	37.155	41.636	46.010	1.732	0.444		3343
3500	0.955	34.716	0.702	27.858	32.566	37.159	41.641	46.017	1.766	0.419		3441
3600	0.926	34.715	0.664	27.859	32.568	37.162	41.648	46.023	1.800	0.311		3539
3700	0.917	34.714	0.648	27.860	32.570	37.164	41.648	46.026	1.833	0.298		3636
3800	0.914	34.714	0.633	27.860	32.570	37.165	41.649	46.027	1.866	0.259		3733
3900	0.914	34.714	0.622	27.861	32.571	37.167	41.651	46.029	1.900	0.123		3831
3913	0.916	34.714	0.622	27.860	32.571	37.166	41.651	46.029	1.904	0.251		3843



A2-107 238

STA-238 LAT= 58 1.1 S LON= 63 9.0 W SONIC DEPTH 4068 m STA-238
 DATE 1/ 9/80 GMT 1501 CTD# 8

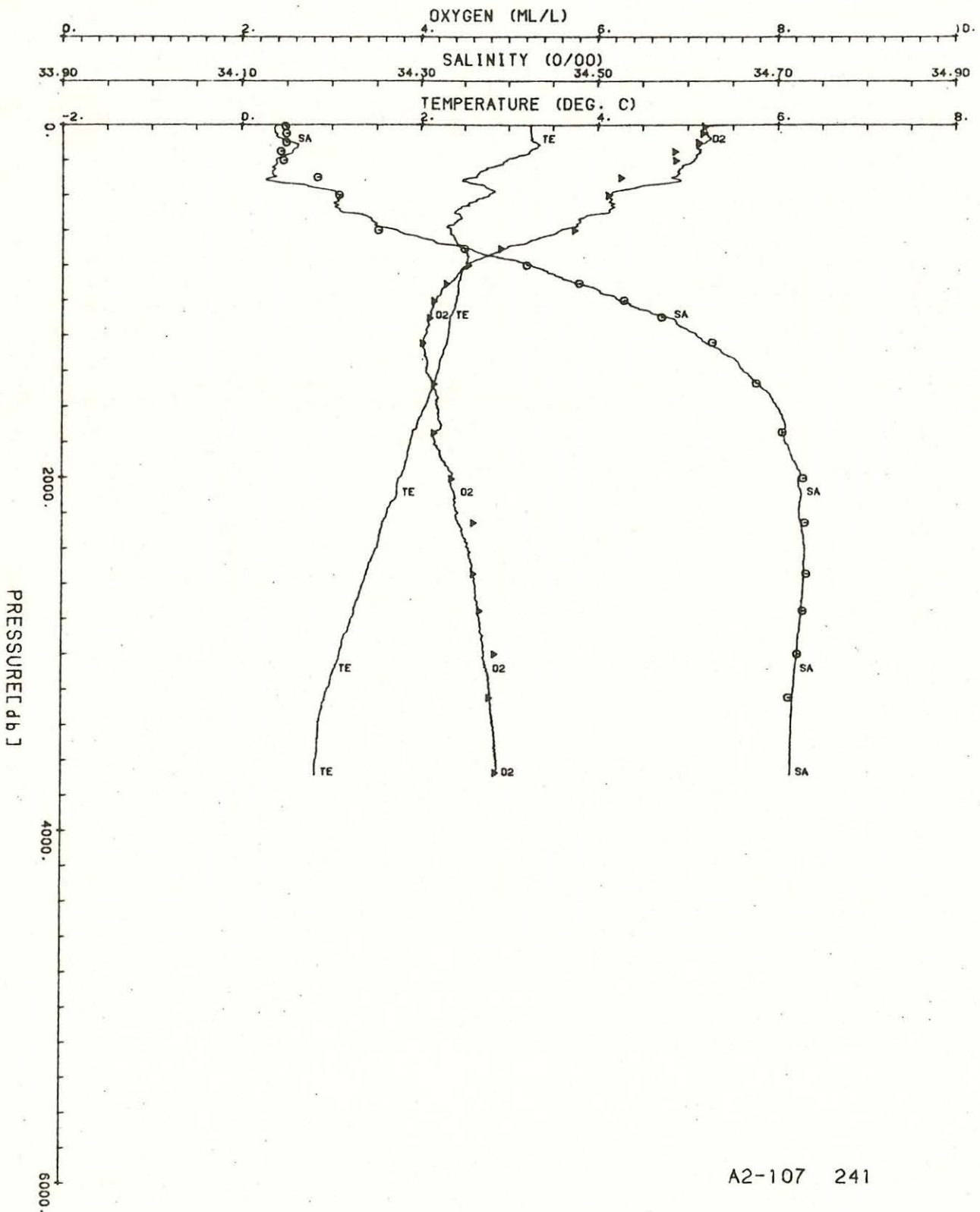
PR	T	S	θ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							coh	m
1	3.740	34.175	3.740	27.179	31.806	36.321	40.728	45.032	0.001	1.679	1
25	3.646	34.177	3.644	27.190	31.820	36.337	40.747	45.053	0.022	0.290	25
50	3.632	34.176	3.629	27.190	31.821	36.339	40.748	45.055	0.045	0.240	50
75	3.622	34.175	3.617	27.191	31.822	36.340	40.750	45.057	0.067	0.591	74
100	3.569	34.174	3.563	27.195	31.828	36.347	40.759	45.067	0.089	0.696	99
125	3.512	34.171	3.504	27.199	31.833	36.354	40.767	45.076	0.111	0.663	124
150	3.362	34.166	3.352	27.209	31.848	36.373	40.789	45.103	0.133	1.224	149
175	3.272	34.163	3.261	27.215	31.856	36.383	40.803	45.118	0.155	0.690	173
200	3.234	34.161	3.222	27.217	31.859	36.388	40.808	45.124	0.177	0.634	198
250	2.975	34.142	2.960	27.227	31.876	36.411	40.838	45.161	0.221	0.909	248
300	2.883	34.157	2.869	27.247	31.898	36.438	40.865	45.191	0.264	1.303	297
350	2.783	34.191	2.762	27.283	31.937	36.477	40.909	45.236	0.306	1.462	347
400	2.588	34.206	2.569	27.312	31.971	36.517	40.953	45.286	0.346	1.544	396
450	2.416	34.227	2.390	27.344	32.008	36.558	40.999	45.335	0.385	1.518	446
500	2.466	34.269	2.437	27.373	32.036	36.584	41.024	45.359	0.423	1.396	495
550	2.501	34.340	2.468	27.427	32.088	36.639	41.073	45.407	0.459	1.927	545
600	2.493	34.387	2.457	27.466	32.126	36.674	41.111	45.445	0.493	1.279	594
650	2.463	34.410	2.423	27.487	32.148	36.698	41.135	45.469	0.526	1.068	643
700	2.464	34.430	2.421	27.503	32.165	36.712	41.151	45.485	0.558	1.214	693
750	2.472	34.462	2.426	27.528	32.190	36.737	41.175	45.509	0.589	1.256	742
800	2.444	34.491	2.394	27.554	32.215	36.763	41.202	45.536	0.619	1.219	792
850	2.431	34.515	2.378	27.575	32.237	36.785	41.224	45.559	0.648	1.255	841
900	2.385	34.547	2.329	27.604	32.267	36.818	41.256	45.592	0.676	1.369	890
950	2.361	34.569	2.301	27.624	32.288	36.838	41.278	45.614	0.703	1.119	940
1000	2.329	34.588	2.266	27.642	32.306	36.857	41.298	45.635	0.729	1.036	989
1050	2.291	34.604	2.229	27.658	32.324	36.875	41.317	45.655	0.754	1.118	1038
1100	2.262	34.619	2.192	27.673	32.339	36.892	41.335	45.673	0.779	0.849	1088
1150	2.208	34.622	2.136	27.680	32.348	36.902	41.348	45.686	0.803	0.694	1137
1200	2.179	34.630	2.103	27.689	32.358	36.913	41.358	45.698	0.828	0.853	1186
1250	2.184	34.648	2.107	27.703	32.372	36.928	41.371	45.712	0.851	0.819	1236
1300	2.158	34.658	2.079	27.714	32.383	36.938	41.384	45.725	0.875	0.816	1285
1350	2.135	34.666	2.048	27.722	32.392	36.948	41.394	45.736	0.897	0.724	1334
1400	2.121	34.671	2.031	27.728	32.398	36.954	41.401	45.743	0.920	0.854	1383
1450	2.075	34.682	1.981	27.740	32.412	36.969	41.417	45.760	0.942	0.794	1432
1500	2.032	34.689	1.937	27.749	32.422	36.981	41.430	45.775	0.964	0.667	1482
1600	1.962	34.699	1.858	27.763	32.438	36.999	41.450	45.797	1.007	0.672	1580
1700	1.914	34.705	1.803	27.773	32.449	37.012	41.464	45.812	1.049	0.652	1678
1800	1.859	34.712	1.741	27.782	32.461	37.025	41.479	45.828	1.090	0.522	1777
1900	1.807	34.715	1.681	27.790	32.470	37.036	41.491	45.842	1.131	0.511	1875
2000	1.771	34.718	1.638	27.795	32.478	37.043	41.500	45.852	1.172	0.588	1973
2100	1.698	34.721	1.557	27.804	32.487	37.058	41.515	45.869	1.211	0.638	2071
2200	1.632	34.723	1.484	27.811	32.496	37.067	41.528	45.884	1.251	0.597	2169
2300	1.570	34.724	1.415	27.817	32.504	37.077	41.540	45.897	1.289	0.512	2267
2400	1.491	34.725	1.329	27.823	32.513	37.088	41.554	45.913	1.327	0.685	2365
2500	1.402	34.724	1.233	27.830	32.522	37.100	41.568	45.930	1.364	0.621	2463
2600	1.324	34.724	1.148	27.835	32.530	37.110	41.580	45.945	1.401	0.628	2561
2700	1.252	34.723	1.068	27.840	32.537	37.120	41.592	45.958	1.436	0.548	2659
2800	1.179	34.722	0.988	27.844	32.544	37.129	41.603	45.971	1.472	0.515	2757
2900	1.100	34.719	0.901	27.848	32.550	37.137	41.614	45.985	1.506	0.554	2855
3000	1.036	34.718	0.829	27.851	32.556	37.145	41.624	45.997	1.540	0.450	2953
3100	1.009	34.717	0.793	27.853	32.559	37.149	41.629	46.002	1.574	0.430	3050
3200	0.979	34.717	0.759	27.855	32.562	37.153	41.634	46.009	1.607	0.372	3148
3300	0.961	34.716	0.727	27.856	32.564	37.158	41.637	46.013	1.640	0.391	3246
3400	0.934	34.716	0.692	27.858	32.566	37.150	41.642	46.019	1.673	0.394	3343
3500	0.914	34.714	0.663	27.859	32.568	37.162	41.646	46.023	1.707	0.291	3441
3600	0.908	34.714	0.649	27.859	32.569	37.164	41.648	46.025	1.740	0.259	3538
3700	0.901	34.714	0.629	27.860	32.571	37.166	41.650	46.028	1.773	0.274	3636
3800	0.895	34.714	0.614	27.861	32.572	37.168	41.652	46.031	1.806	0.250	3733
3900	0.897	34.713	0.605	27.861	32.573	37.168	41.653	46.032	1.839	0.193	3830
4000	0.898	34.714	0.596	27.862	32.574	37.170	41.655	46.034	1.873	0.240	3928
4100	0.892	34.713	0.579	27.863	32.575	37.171	41.657	46.036	1.907	0.353	4025
4127	0.894	34.713	0.579	27.863	32.575	37.171	41.657	46.036	1.916	0.062	4051



A2-107 239

STA-239 LAT= 58 22.3 S LON= 63 4.3 W SONIC DEPTH 3673 m STA-239
 DATE 1/ 9/80 GMT 1856 CTD# 8

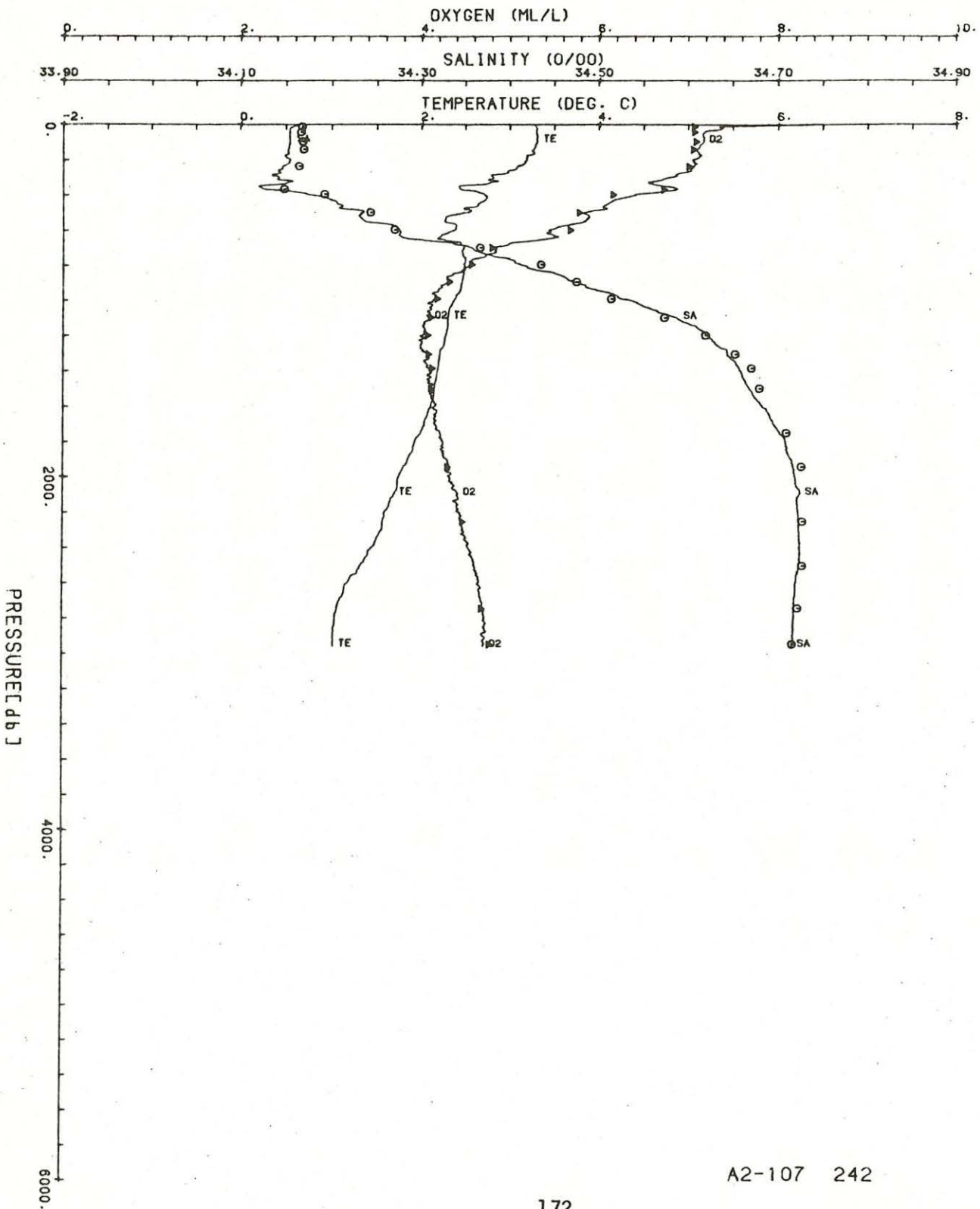
PR	T	S	A	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cm	m
3	-1.519	33.595	-1.519	27.052	31.838	36.506	41.061	45.507	0.003	2.557	3
25	-1.567	33.628	-1.567	27.090	31.867	36.536	41.092	45.540	0.025	1.741	25
50	-1.597	33.693	-1.598	27.133	31.920	36.590	41.146	45.594	0.049	3.093	50
75	-1.296	33.784	-1.298	27.198	31.975	36.639	41.182	45.620	0.072	2.607	74
100	0.200	33.938	0.198	27.261	31.991	36.609	41.108	45.503	0.093	2.059	99
125	1.269	34.062	1.263	27.296	31.994	36.576	41.049	45.415	0.113	2.192	124
150	0.913	34.069	0.906	27.325	32.033	36.625	41.107	45.483	0.133	1.897	149
175	0.626	34.068	0.619	27.342	32.058	36.659	41.148	45.532	0.151	1.562	173
200	0.239	34.066	0.231	27.362	32.090	36.702	41.203	45.596	0.170	1.694	198
250	1.203	34.191	1.191	27.405	32.103	36.687	41.160	45.527	0.205	1.315	248
300	1.032	34.210	1.018	27.431	32.135	36.723	41.201	45.572	0.239	1.559	297
350	1.627	34.306	1.609	27.468	32.153	36.724	41.185	45.541	0.271	1.708	347
400	1.710	34.354	1.689	27.500	32.183	36.751	41.210	45.563	0.302	1.474	396
450	2.044	34.426	2.019	27.533	32.206	36.764	41.213	45.558	0.332	1.215	446
500	2.291	34.490	2.262	27.564	32.229	36.791	41.223	45.561	0.361	1.751	495
550	2.308	34.523	2.275	27.589	32.254	36.805	41.247	45.584	0.388	1.235	545
600	2.058	34.520	2.024	27.607	32.279	36.837	41.285	45.629	0.415	0.952	594
650	2.047	34.536	2.010	27.621	32.293	36.851	41.300	45.643	0.441	1.130	643
700	2.129	34.579	2.087	27.649	32.319	36.874	41.321	45.662	0.466	1.234	693
750	2.170	34.601	2.126	27.664	32.332	36.887	41.332	45.672	0.490	0.968	742
800	2.165	34.623	2.118	27.682	32.350	36.905	41.350	45.690	0.514	1.136	792
850	2.127	34.636	2.076	27.696	32.365	36.920	41.366	45.708	0.537	0.928	841
900	2.125	34.656	2.070	27.712	32.382	36.937	41.383	45.724	0.559	0.942	890
950	2.089	34.665	2.032	27.723	32.393	36.949	41.396	45.738	0.581	0.717	940
1000	2.066	34.674	2.009	27.732	32.403	36.960	41.408	45.750	0.602	0.851	989
1050	2.044	34.685	1.980	27.743	32.415	36.972	41.420	45.764	0.623	0.712	1038
1100	2.031	34.689	1.964	27.747	32.420	36.978	41.428	45.770	0.644	0.812	1088
1150	2.020	34.696	1.949	27.754	32.427	36.985	41.434	45.778	0.665	0.458	1137
1200	2.003	34.702	1.928	27.760	32.433	36.992	41.442	45.786	0.685	0.657	1186
1250	1.956	34.708	1.878	27.769	32.444	37.004	41.454	45.800	0.705	0.854	1235
1300	1.937	34.711	1.856	27.773	32.448	37.009	41.460	45.806	0.725	0.671	1285
1350	1.903	34.716	1.819	27.780	32.456	37.018	41.470	45.817	0.745	0.564	1334
1400	1.885	34.718	1.797	27.783	32.460	37.022	41.475	45.822	0.765	0.550	1383
1450	1.848	34.720	1.757	27.788	32.466	37.029	41.483	45.832	0.784	0.560	1432
1500	1.800	34.723	1.708	27.794	32.474	37.038	41.493	45.843	0.803	0.690	1481
1600	1.710	34.727	1.609	27.804	32.486	37.054	41.511	45.864	0.841	0.557	1580
1700	1.633	34.728	1.528	27.811	32.496	37.069	41.525	45.880	0.878	0.566	1678
1800	1.557	34.728	1.443	27.817	32.504	37.076	41.538	45.895	0.915	0.579	1776
1900	1.483	34.729	1.362	27.824	32.513	37.087	41.551	45.910	0.951	0.560	1875
2000	1.414	34.727	1.288	27.828	32.520	37.098	41.562	45.923	0.986	0.492	1973
2100	1.329	34.727	1.199	27.834	32.528	37.107	41.575	45.938	1.022	0.512	2071
2200	1.291	34.725	1.149	27.836	32.531	37.111	41.581	45.946	1.056	0.587	2169
2300	1.202	34.723	1.053	27.841	32.539	37.122	41.594	45.961	1.091	0.540	2267
2400	1.150	34.722	0.994	27.843	32.543	37.128	41.602	45.970	1.124	0.437	2365
2500	1.095	34.720	0.931	27.846	32.548	37.134	41.610	45.980	1.158	0.463	2463
2600	1.039	34.719	0.868	27.849	32.553	37.141	41.618	45.990	1.191	0.526	2561
2700	0.986	34.717	0.807	27.852	32.557	37.147	41.626	45.999	1.223	0.538	2659
2800	0.923	34.714	0.738	27.854	32.561	37.153	41.635	46.010	1.256	0.433	2757
2900	0.894	34.714	0.699	27.856	32.565	37.158	41.640	46.016	1.288	0.464	2855
3000	0.801	34.712	0.600	27.860	32.572	37.168	41.653	46.032	1.319	0.587	2952
3100	0.765	34.711	0.559	27.863	32.575	37.172	41.659	46.039	1.350	0.319	3050
3200	0.752	34.711	0.533	27.864	32.577	37.175	41.662	46.043	1.380	0.205	3148
3300	0.754	34.711	0.528	27.864	32.578	37.176	41.663	46.044	1.411	0.135	3245
3400	0.757	34.712	0.519	27.865	32.579	37.177	41.664	46.045	1.442	0.171	3343
3500	0.765	34.711	0.517	27.865	32.579	37.177	41.664	46.045	1.473	0.129	3440
3600	0.774	34.711	0.518	27.865	32.579	37.177	41.665	46.046	1.504	0.087	3538
3700	0.777	34.712	0.509	27.866	32.580	37.179	41.666	46.047	1.536	0.190	3635
3800	0.784	34.712	0.506	27.866	32.580	37.179	41.667	46.048	1.567	0.127	3733
3899	0.795	34.712	0.506	27.866	32.580	37.179	41.666	46.048	1.599	0.123	3829



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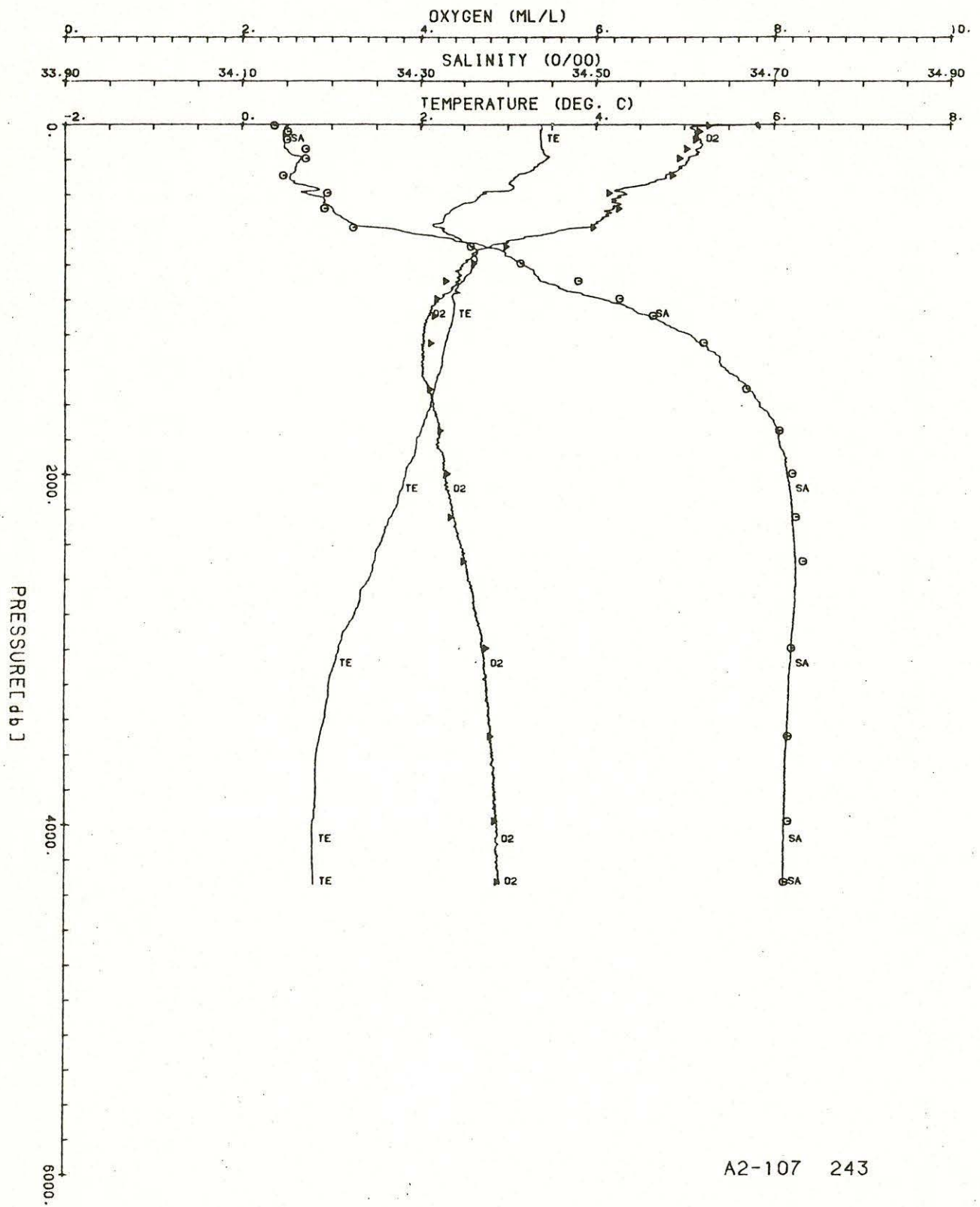
STA-241 LAT= 58 21.8 S LON= 65 9.5 W SONIC DEPTH 3563 m STA-241
 DATE 3/ 9/80 GMT 207 CTD# 8

PR	T	S	θ	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cmh	m
5	3.237	34.139	3.237	27.198	31.840	36.368	40.788	45.104	0.004	-0.873	5
25	3.244	34.136	3.242	27.196	31.837	36.365	40.785	45.101	0.022	0.146	25
50	3.248	34.138	3.245	27.197	31.838	36.366	40.786	45.102	0.044	0.489	50
75	3.256	34.141	3.251	27.199	31.840	36.368	40.787	45.103	0.066	0.935	74
100	3.308	34.155	3.302	27.205	31.845	36.371	40.789	45.104	0.088	0.738	99
125	3.320	34.162	3.312	27.210	31.849	36.375	40.793	45.107	0.110	0.698	124
150	3.234	34.156	3.229	27.213	31.855	36.384	40.804	45.120	0.132	0.581	149
175	3.124	34.148	3.113	27.217	31.862	36.393	40.816	45.135	0.154	0.929	173
200	2.976	34.138	2.964	27.223	31.872	36.407	40.834	45.157	0.176	0.942	198
250	2.748	34.136	2.733	27.242	31.897	36.439	40.871	45.200	0.219	1.165	248
300	2.585	34.135	2.568	27.255	31.915	36.461	40.898	45.231	0.261	0.970	297
350	2.733	34.174	2.712	27.274	31.929	36.471	40.904	45.233	0.303	1.147	347
400	2.773	34.207	2.749	27.297	31.951	36.492	40.924	45.251	0.344	1.257	396
450	2.536	34.203	2.510	27.314	31.975	36.523	40.961	45.294	0.384	1.087	446
500	2.400	34.217	2.371	27.337	32.002	36.553	40.994	45.331	0.424	1.352	495
550	2.398	34.246	2.363	27.361	32.025	36.576	41.018	45.355	0.462	1.181	545
600	2.337	34.273	2.302	27.388	32.054	36.606	41.049	45.387	0.499	1.195	594
650	2.390	34.310	2.351	27.413	32.077	36.628	41.069	45.406	0.535	1.172	643
700	2.500	34.353	2.457	27.438	32.099	36.647	41.085	45.419	0.570	1.164	693
750	2.536	34.388	2.490	27.464	32.124	36.670	41.107	45.440	0.604	1.568	742
800	2.515	34.427	2.465	27.497	32.157	36.704	41.141	45.474	0.637	1.277	792
850	2.455	34.452	2.402	27.522	32.184	36.732	41.171	45.505	0.669	1.135	841
900	2.428	34.476	2.372	27.544	32.206	36.755	41.194	45.529	0.700	1.369	890
950	2.425	34.503	2.365	27.566	32.228	36.777	41.216	45.551	0.729	1.058	940
1000	2.405	34.525	2.342	27.585	32.248	36.797	41.237	45.572	0.758	1.058	989
1050	2.377	34.548	2.311	27.606	32.270	36.819	41.260	45.596	0.786	1.314	1038
1100	2.331	34.580	2.261	27.636	32.301	36.852	41.293	45.630	0.813	1.278	1088
1150	2.323	34.593	2.249	27.647	32.312	36.863	41.305	45.642	0.839	0.957	1137
1200	2.311	34.610	2.234	27.662	32.328	36.879	41.321	45.658	0.865	0.907	1186
1250	2.289	34.623	2.208	27.675	32.340	36.892	41.335	45.673	0.890	1.137	1236
1300	2.252	34.639	2.168	27.691	32.358	36.911	41.354	45.693	0.915	0.983	1285
1350	2.212	34.656	2.124	27.708	32.376	36.930	41.374	45.714	0.939	0.762	1334
1400	2.195	34.662	2.104	27.715	32.383	36.938	41.383	45.723	0.962	0.925	1383
1450	2.162	34.673	2.068	27.726	32.396	36.951	41.397	45.738	0.985	0.919	1432
1500	2.127	34.684	2.029	27.738	32.408	36.964	41.411	45.753	1.008	0.911	1482
1600	2.048	34.700	1.949	27.757	32.430	36.988	41.437	45.781	1.052	0.818	1580
1700	1.959	34.709	1.848	27.772	32.447	37.008	41.460	45.806	1.094	0.627	1678
1800	1.881	34.709	1.762	27.778	32.456	37.020	41.473	45.822	1.136	0.666	1777
1900	1.836	34.717	1.710	27.789	32.468	37.033	41.488	45.838	1.177	0.678	1875
2000	1.754	34.724	1.621	27.801	32.483	37.050	41.507	45.859	1.217	0.616	1973
2100	1.724	34.726	1.589	27.806	32.489	37.057	41.515	45.868	1.256	0.599	2071
2200	1.616	34.724	1.469	27.813	32.499	37.070	41.531	45.887	1.295	0.605	2169
2300	1.540	34.727	1.389	27.821	32.510	37.083	41.547	45.905	1.333	0.570	2267
2400	1.489	34.730	1.327	27.828	32.518	37.093	41.558	45.918	1.371	0.638	2365
2500	1.407	34.729	1.238	27.833	32.526	37.104	41.571	45.933	1.408	0.576	2463
2600	1.344	34.729	1.167	27.838	32.532	37.112	41.581	45.945	1.444	0.550	2561
2700	1.274	34.727	1.089	27.841	32.538	37.120	41.592	45.958	1.480	0.570	2659
2800	1.214	34.726	1.022	27.845	32.544	37.128	41.601	45.969	1.515	0.535	2757
2900	1.135	34.723	0.935	27.849	32.550	37.136	41.612	45.982	1.550	0.611	2855
3000	1.089	34.722	0.881	27.851	32.554	37.142	41.619	45.990	1.584	0.486	2953
3100	1.017	34.720	0.801	27.854	32.560	37.150	41.629	46.003	1.618	0.588	3050
3200	0.951	34.718	0.728	27.857	32.565	37.157	41.639	46.014	1.651	0.589	3148
3300	0.897	34.717	0.665	27.860	32.570	37.164	41.647	46.024	1.684	0.503	3246
3400	0.856	34.716	0.616	27.862	32.573	37.169	41.653	46.032	1.716	0.355	3343
3500	0.844	34.715	0.594	27.863	32.575	37.171	41.656	46.035	1.748	0.298	3441
3600	0.824	34.715	0.565	27.865	32.577	37.174	41.660	46.040	1.780	0.445	3538
3685	0.818	34.715	0.550	27.866	32.578	37.178	41.662	46.042	1.807	0.152	3621



STA-242 LAT= 57 58.6 S LON= 65 47.1 W SONIC DEPTH 3070 m STA-242
 DATE 3/ 9/90 GMT 1144 CTD# 8

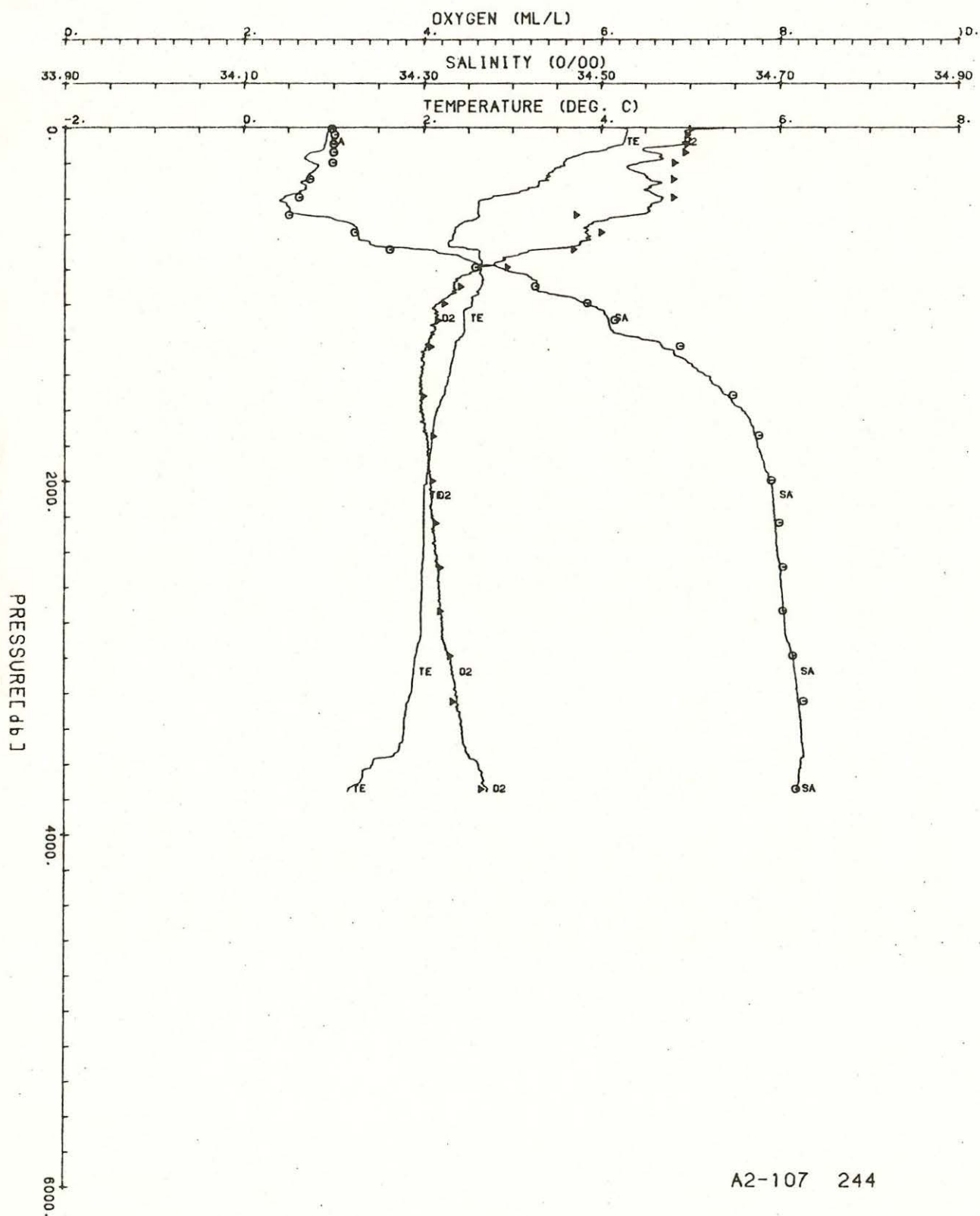
PR	T	S	A	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cdh	m
3	3.277	34.165	3.277	27.216	31.856	36.383	40.801	45.117	0.003	-1.605	3
25	3.296	34.154	3.295	27.205	31.845	36.372	40.790	45.105	0.022	-0.524	25
50	3.295	34.154	3.292	27.205	31.845	36.372	40.790	45.105	0.044	-0.325	50
75	3.300	34.154	3.295	27.205	31.845	36.371	40.790	45.104	0.066	0.300	74
100	3.300	34.154	3.294	27.205	31.845	36.371	40.790	45.104	0.088	0.357	99
125	3.280	34.153	3.273	27.206	31.847	36.374	40.793	45.108	0.110	0.393	124
150	3.254	34.152	3.245	27.208	31.849	36.377	40.797	45.113	0.132	-0.166	149
175	3.208	34.150	3.197	27.211	31.853	36.382	40.803	45.120	0.154	0.914	173
200	3.188	34.154	3.173	27.217	31.860	36.389	40.811	45.129	0.176	0.637	198
250	3.066	34.146	3.050	27.221	31.868	36.401	40.825	45.146	0.219	0.870	248
300	2.809	34.142	2.791	27.241	31.895	36.435	40.866	45.193	0.263	1.128	297
350	2.440	34.122	2.420	27.257	31.921	36.471	40.912	45.249	0.305	0.997	347
400	2.720	34.178	2.696	27.278	31.934	36.477	40.910	45.239	0.347	1.312	396
450	2.647	34.207	2.619	27.308	31.966	36.510	40.945	45.276	0.388	1.375	446
500	2.486	34.233	2.457	27.343	32.005	36.554	40.993	45.327	0.427	1.550	495
550	2.269	34.238	2.237	27.365	32.033	36.588	41.032	45.373	0.465	1.161	545
600	2.361	34.275	2.329	27.387	32.053	36.605	41.047	45.385	0.502	1.127	594
650	2.226	34.294	2.188	27.414	32.083	36.638	41.084	45.425	0.538	1.439	644
700	2.477	34.358	2.434	27.445	32.107	36.654	41.093	45.428	0.573	1.171	693
750	2.485	34.389	2.439	27.469	32.130	36.678	41.116	45.450	0.607	1.367	742
800	2.486	34.418	2.436	27.492	32.153	36.700	41.139	45.473	0.640	1.159	792
850	2.475	34.456	2.422	27.524	32.185	36.733	41.171	45.505	0.671	1.307	841
900	2.456	34.480	2.400	27.545	32.207	36.755	41.193	45.528	0.702	1.196	890
950	2.431	34.511	2.371	27.572	32.234	36.783	41.222	45.556	0.732	1.482	940
1000	2.367	34.539	2.304	27.600	32.264	36.814	41.255	45.591	0.760	1.389	989
1050	2.316	34.563	2.250	27.624	32.289	36.840	41.282	45.619	0.788	1.263	1038
1100	2.301	34.589	2.231	27.646	32.312	36.863	41.305	45.643	0.814	1.056	1088
1150	2.298	34.611	2.224	27.664	32.329	36.882	41.323	45.661	0.839	1.013	1137
1200	2.273	34.623	2.196	27.676	32.342	36.894	41.337	45.675	0.864	0.835	1186
1250	2.255	34.633	2.175	27.685	32.352	36.905	41.348	45.687	0.889	0.962	1236
1300	2.207	34.645	2.124	27.699	32.367	36.921	41.365	45.705	0.913	0.600	1285
1350	2.193	34.654	2.106	27.708	32.376	36.931	41.376	45.716	0.936	0.731	1334
1400	2.178	34.659	2.088	27.714	32.383	36.937	41.383	45.724	0.960	0.628	1383
1450	2.162	34.664	2.069	27.719	32.388	36.944	41.389	45.731	0.983	0.695	1433
1500	2.144	34.670	2.046	27.725	32.395	36.951	41.398	45.739	1.006	0.632	1482
1600	2.102	34.684	1.997	27.740	32.411	36.969	41.416	45.759	1.052	0.861	1580
1700	2.030	34.696	1.917	27.756	32.430	36.989	41.439	45.783	1.096	0.766	1678
1800	1.922	34.709	1.803	27.776	32.453	37.015	41.467	45.815	1.139	0.751	1777
1900	1.843	34.716	1.717	27.788	32.467	37.031	41.488	45.836	1.180	0.810	1875
2000	1.739	34.720	1.607	27.799	32.481	37.049	41.507	45.859	1.221	0.607	1973
2100	1.686	34.725	1.546	27.808	32.492	37.051	41.520	45.874	1.260	0.667	2071
2200	1.583	34.724	1.438	27.815	32.502	37.074	41.538	45.893	1.299	0.636	2169
2300	1.550	34.725	1.395	27.818	32.506	37.080	41.543	45.901	1.337	0.605	2268
2400	1.441	34.725	1.279	27.827	32.518	37.095	41.561	45.922	1.374	0.759	2366
2500	1.320	34.724	1.152	27.835	32.530	37.110	41.580	45.944	1.411	0.692	2464
2600	1.176	34.721	1.002	27.842	32.542	37.126	41.600	45.968	1.446	0.704	2561
2700	1.089	34.720	0.908	27.847	32.550	37.137	41.613	45.984	1.480	0.627	2659
2800	1.038	34.719	0.849	27.851	32.555	37.143	41.622	45.994	1.513	0.381	2757
2900	1.020	34.718	0.823	27.851	32.556	37.146	41.625	45.998	1.546	0.221	2855
2963	1.018	34.717	0.815	27.851	32.556	37.146	41.625	45.998	1.567	-0.215	2917



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STA-243 LAT= 57 27.1 S LON= 66 6.0 W SONIC DEPTH 4068 m STA-243
 DATE 3/ 9/80 GMT 1727 CTD# R

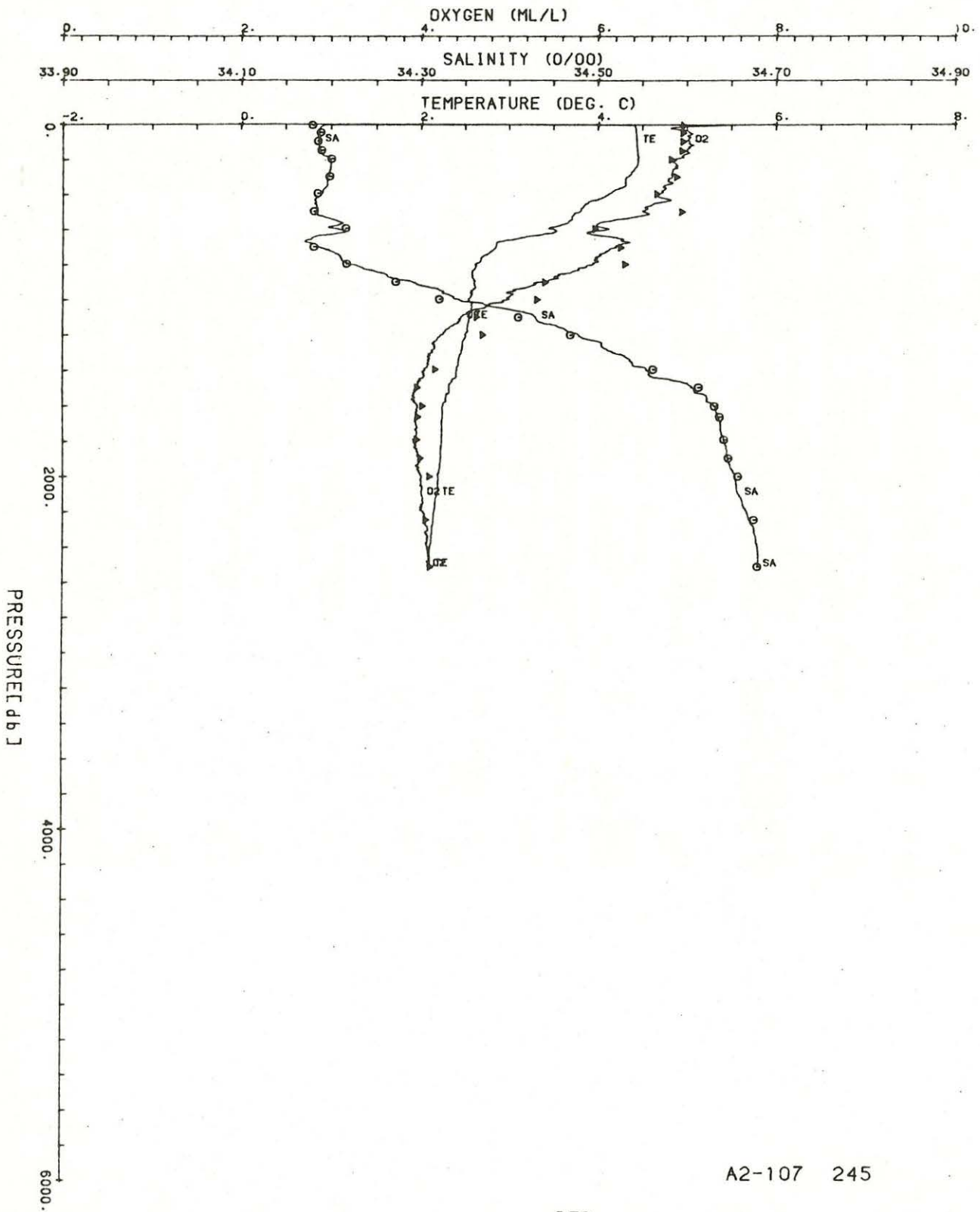
PR	T	S	A	SIG-B	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cm	m
3	3.371	34.153	3.371	27.197	31.835	36.350	40.776	45.089	0.003	-1.178	3
25	3.377	34.147	3.376	27.192	31.830	36.354	40.771	45.083	0.022	-0.086	25
50	3.365	34.146	3.362	27.192	31.830	36.359	40.772	45.085	0.044	0.247	50
75	3.365	34.146	3.361	27.193	31.831	36.356	40.772	45.086	0.067	0.170	74
100	3.372	34.147	3.366	27.193	31.831	36.356	40.772	45.085	0.089	0.276	99
125	3.373	34.147	3.366	27.193	31.831	36.355	40.772	45.085	0.111	-0.127	124
150	3.395	34.151	3.395	27.194	31.831	36.356	40.772	45.084	0.133	0.470	149
175	3.428	34.157	3.417	27.196	31.833	36.356	40.771	45.083	0.156	0.802	173
200	3.429	34.165	3.416	27.202	31.839	36.352	40.777	45.089	0.178	0.740	198
250	3.293	34.159	3.277	27.211	31.851	36.378	40.797	45.112	0.223	0.846	248
300	3.081	34.153	3.063	27.226	31.872	36.409	40.829	45.149	0.267	0.949	297
350	3.057	34.173	3.035	27.244	31.891	36.424	40.849	45.170	0.310	1.277	347
400	2.700	34.175	2.676	27.278	31.939	36.478	40.912	45.241	0.352	1.629	396
450	2.507	34.192	2.480	27.308	31.970	36.518	40.956	45.291	0.393	1.509	446
500	2.332	34.202	2.303	27.331	31.998	36.550	40.994	45.333	0.432	1.092	495
550	2.257	34.218	2.225	27.349	32.018	36.573	41.018	45.359	0.471	1.269	545
600	2.252	34.273	2.217	27.394	32.063	36.617	41.062	45.403	0.508	1.594	594
650	2.449	34.336	2.410	27.429	32.091	36.640	41.080	45.415	0.544	1.785	644
700	2.590	34.380	2.547	27.452	32.111	36.659	41.091	45.422	0.578	0.983	693
750	2.624	34.400	2.577	27.466	32.124	36.667	41.102	45.432	0.612	0.850	742
800	2.620	34.419	2.569	27.481	32.139	36.683	41.117	45.448	0.645	1.108	792
850	2.561	34.430	2.507	27.496	32.155	36.700	41.137	45.469	0.678	0.972	841
900	2.466	34.443	2.409	27.515	32.176	36.724	41.163	45.497	0.710	1.399	890
950	2.409	34.469	2.349	27.540	32.203	36.752	41.192	45.528	0.741	1.443	940
1000	2.372	34.511	2.309	27.577	32.241	36.791	41.232	45.568	0.771	1.289	989
1050	2.383	34.541	2.316	27.600	32.264	36.813	41.254	45.589	0.799	1.010	1038
1100	2.372	34.562	2.307	27.619	32.282	36.832	41.273	45.609	0.827	1.195	1088
1150	2.350	34.583	2.277	27.637	32.302	36.852	41.293	45.630	0.854	1.113	1137
1200	2.315	34.607	2.237	27.659	32.324	36.876	41.318	45.655	0.880	1.106	1186
1250	2.285	34.618	2.204	27.671	32.337	36.889	41.332	45.670	0.905	0.989	1236
1300	2.266	34.633	2.182	27.685	32.351	36.904	41.347	45.686	0.930	0.952	1285
1350	2.251	34.640	2.163	27.692	32.359	36.912	41.356	45.695	0.954	0.321	1334
1400	2.234	34.647	2.142	27.700	32.367	36.921	41.365	45.704	0.979	0.896	1383
1450	2.192	34.661	2.097	27.714	32.383	36.938	41.383	45.723	1.002	0.924	1433
1500	2.168	34.670	2.069	27.724	32.393	36.949	41.394	45.735	1.026	0.800	1482
1600	2.118	34.685	2.013	27.740	32.411	36.968	41.415	45.758	1.071	0.794	1580
1700	2.042	34.701	1.929	27.760	32.433	36.992	41.441	45.785	1.115	0.779	1679
1800	1.955	34.707	1.835	27.771	32.447	37.008	41.460	45.807	1.158	0.589	1777
1900	1.921	34.715	1.793	27.781	32.458	37.020	41.473	45.821	1.201	0.709	1875
2000	1.831	34.716	1.696	27.790	32.469	37.034	41.490	45.840	1.242	0.568	1973
2100	1.765	34.720	1.623	27.798	32.480	37.047	41.504	45.856	1.283	0.642	2071
2200	1.707	34.722	1.558	27.804	32.488	37.057	41.518	45.870	1.323	0.669	2170
2300	1.609	34.723	1.453	27.813	32.500	37.071	41.533	45.890	1.362	0.613	2268
2400	1.541	34.725	1.378	27.820	32.508	37.082	41.546	45.904	1.401	0.694	2366
2500	1.477	34.726	1.306	27.826	32.516	37.092	41.558	45.918	1.439	0.487	2464
2600	1.418	34.726	1.239	27.830	32.523	37.101	41.568	45.930	1.476	0.705	2562
2700	1.320	34.725	1.134	27.837	32.533	37.113	41.584	45.948	1.512	0.418	2659
2800	1.258	34.724	1.064	27.841	32.539	37.121	41.593	45.960	1.548	0.642	2757
2900	1.139	34.723	0.939	27.848	32.549	37.135	41.611	45.981	1.584	0.651	2855
3000	1.085	34.722	0.877	27.851	32.554	37.142	41.619	45.991	1.618	0.509	2953
3100	1.028	34.720	0.812	27.854	32.559	37.149	41.628	46.001	1.652	0.549	3051
3200	0.974	34.719	0.750	27.857	32.564	37.155	41.638	46.011	1.685	0.772	3148
3300	0.956	34.718	0.723	27.858	32.565	37.158	41.639	46.015	1.718	0.438	3246
3400	0.927	34.717	0.689	27.860	32.568	37.162	41.645	46.021	1.751	0.451	3343
3500	0.876	34.716	0.629	27.862	32.573	37.168	41.652	46.030	1.784	0.467	3441
3600	0.841	34.715	0.581	27.864	32.576	37.172	41.658	46.037	1.816	0.378	3538
3700	0.830	34.714	0.561	27.865	32.577	37.174	41.660	46.040	1.848	0.221	3636
3800	0.831	34.714	0.551	27.865	32.578	37.175	41.662	46.042	1.880	0.232	3733
3900	0.829	34.714	0.539	27.866	32.579	37.176	41.663	46.044	1.913	0.356	3831
4000	0.796	34.713	0.497	27.868	32.582	37.181	41.669	46.050	1.945	0.403	3928
4100	0.799	34.713	0.489	27.868	32.582	37.181	41.669	46.051	1.977	0.185	4025
4200	0.798	34.713	0.478	27.869	32.584	37.183	41.671	46.053	2.010	0.178	4122
4300	0.807	34.713	0.476	27.869	32.584	37.183	41.672	46.054	2.042	0.063	4220
4341	0.809	34.712	0.473	27.868	32.583	37.183	41.671	46.053	2.056	0.169	4259



A2-107 244

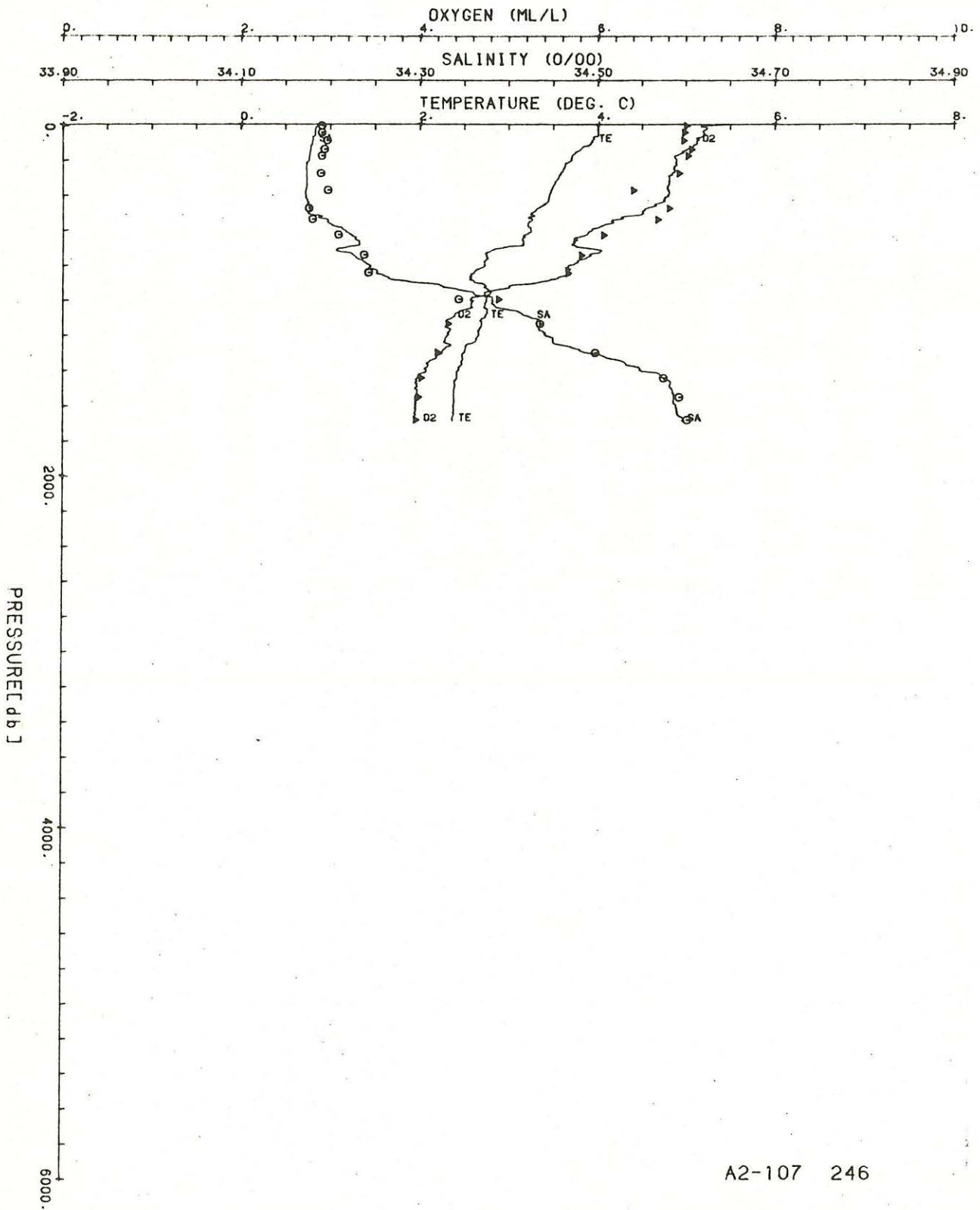
STA-244 LAT= 56 58.1 S LON= 66 28.9 W SONIC DEPTH 3719 m STA-244
 DATE 3/ 9/80 GMT 2214 CTD# 8

PR	T	S	A	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	H5TH	N	DE
dbar	Deg C	o/oo	Deg C							cpd	m
5	4.266	34.202	4.266	27.146	31.759	36.250	40.654	44.945	0.005	-1.417	5
25	4.289	34.194	4.287	27.137	31.750	36.251	40.644	44.935	0.023	-0.412	25
50	4.274	34.192	4.271	27.138	31.751	36.252	40.646	44.937	0.047	0.427	50
75	4.260	34.192	4.255	27.139	31.753	36.254	40.648	44.940	0.070	0.409	74
100	4.206	34.190	4.199	27.143	31.759	36.252	40.657	44.950	0.094	1.431	99
125	4.050	34.188	4.041	27.159	31.778	36.285	40.684	44.981	0.117	1.193	124
150	3.777	34.173	3.767	27.174	31.801	36.315	40.721	45.024	0.140	1.748	149
175	3.633	34.168	3.621	27.185	31.816	36.334	40.744	45.051	0.163	1.364	173
200	3.575	34.177	3.562	27.198	31.831	36.350	40.761	45.069	0.186	1.117	198
250	3.442	34.177	3.424	27.211	31.847	36.370	40.785	45.096	0.230	0.509	248
300	3.354	34.169	3.335	27.213	31.852	36.377	40.794	45.108	0.275	0.719	297
350	3.164	34.169	3.142	27.231	31.875	36.405	40.827	45.146	0.319	1.159	347
400	2.743	34.145	2.719	27.250	31.906	36.448	40.881	45.210	0.362	1.356	396
450	2.605	34.151	2.578	27.267	31.927	36.472	40.909	45.241	0.404	0.566	446
500	2.617	34.181	2.587	27.290	31.949	36.495	40.931	45.263	0.446	1.876	495
550	2.389	34.222	2.357	27.343	32.008	36.559	41.001	45.338	0.486	1.383	545
600	2.332	34.227	2.297	27.351	32.018	36.570	41.014	45.353	0.524	0.581	594
650	2.271	34.241	2.233	27.367	32.036	36.590	41.035	45.375	0.562	1.203	644
700	2.621	34.314	2.577	27.397	32.056	36.600	41.035	45.366	0.599	1.366	693
750	2.639	34.351	2.592	27.425	32.083	36.627	41.061	45.392	0.635	1.015	742
800	2.628	34.390	2.577	27.458	32.115	36.659	41.094	45.424	0.670	1.279	792
850	2.658	34.421	2.604	27.480	32.137	36.680	41.114	45.443	0.704	0.814	841
900	2.642	34.429	2.585	27.488	32.145	36.688	41.129	45.453	0.737	0.671	891
950	2.584	34.452	2.523	27.512	32.170	36.715	41.151	45.482	0.770	1.787	940
1000	2.535	34.485	2.471	27.543	32.202	36.748	41.185	45.518	0.801	1.238	989
1050	2.446	34.504	2.379	27.566	32.228	36.778	41.215	45.550	0.831	0.803	1039
1100	2.452	34.509	2.381	27.569	32.231	36.780	41.219	45.553	0.861	0.334	1088
1150	2.456	34.513	2.382	27.572	32.234	36.782	41.221	45.556	0.890	0.828	1137
1200	2.393	34.546	2.315	27.604	32.268	36.817	41.258	45.594	0.920	1.758	1186
1250	2.349	34.571	2.268	27.628	32.293	36.843	41.285	45.622	0.947	1.067	1236
1300	2.329	34.587	2.244	27.643	32.308	36.860	41.301	45.639	0.974	1.027	1285
1350	2.302	34.603	2.214	27.658	32.324	36.876	41.319	45.657	1.000	0.893	1334
1400	2.288	34.616	2.196	27.670	32.337	36.889	41.332	45.670	1.026	1.055	1383
1450	2.264	34.625	2.168	27.680	32.347	36.900	41.343	45.682	1.051	0.917	1433
1500	2.236	34.637	2.137	27.692	32.359	36.913	41.357	45.697	1.076	0.908	1482
1600	2.149	34.658	2.043	27.716	32.387	36.943	41.389	45.731	1.124	0.928	1580
1700	2.107	34.671	1.993	27.730	32.402	36.959	41.407	45.750	1.171	0.528	1679
1800	2.088	34.676	1.967	27.736	32.409	36.967	41.415	45.759	1.217	0.522	1777
1900	2.057	34.683	1.928	27.745	32.419	36.978	41.427	45.772	1.263	0.525	1875
2000	2.033	34.689	1.896	27.753	32.427	36.987	41.437	45.782	1.309	0.600	1973
2100	2.005	34.694	1.860	27.759	32.434	36.995	41.446	45.792	1.354	0.304	2072
2200	2.003	34.695	1.849	27.761	32.436	36.998	41.449	45.795	1.400	0.297	2170
2300	2.003	34.697	1.840	27.763	32.439	37.000	41.452	45.798	1.445	0.247	2268
2400	2.000	34.699	1.828	27.765	32.441	37.003	41.455	45.802	1.491	0.378	2366
2500	1.987	34.702	1.806	27.769	32.446	37.008	41.461	45.808	1.537	0.353	2464
2600	1.986	34.703	1.797	27.771	32.448	37.010	41.463	45.811	1.583	0.326	2562
2700	1.975	34.705	1.777	27.774	32.452	37.015	41.468	45.816	1.630	0.343	2660
2800	1.975	34.706	1.767	27.776	32.454	37.017	41.471	45.819	1.676	0.218	2758
2900	1.966	34.709	1.748	27.780	32.458	37.022	41.476	45.824	1.723	0.677	2855
3000	1.910	34.716	1.684	27.790	32.470	37.035	41.491	45.842	1.769	0.568	2953
3100	1.889	34.718	1.653	27.794	32.475	37.041	41.498	45.849	1.815	0.489	3051
3200	1.868	34.720	1.623	27.798	32.480	37.047	41.504	45.856	1.861	0.577	3149
3300	1.806	34.723	1.552	27.806	32.489	37.058	41.517	45.871	1.906	0.521	3246
3400	1.788	34.725	1.529	27.809	32.493	37.063	41.523	45.878	1.951	0.377	3344
3500	1.739	34.727	1.466	27.815	32.501	37.072	41.534	45.890	1.996	0.785	3441
3600	1.443	34.725	1.168	27.834	32.529	37.109	41.578	45.942	2.038	1.228	3539
3700	1.307	34.723	1.029	27.842	32.541	37.125	41.598	45.966	2.078	0.829	3636
3759	1.162	34.720	0.878	27.849	32.553	37.140	41.618	45.989	2.100	0.889	3694



STA-245 LAT= 56 51.1 S LON= 66 45.4 W SONIC DEPTH 2465 m STA-245
 DATE 4/ 9/80 GMT 200 CTD# 8

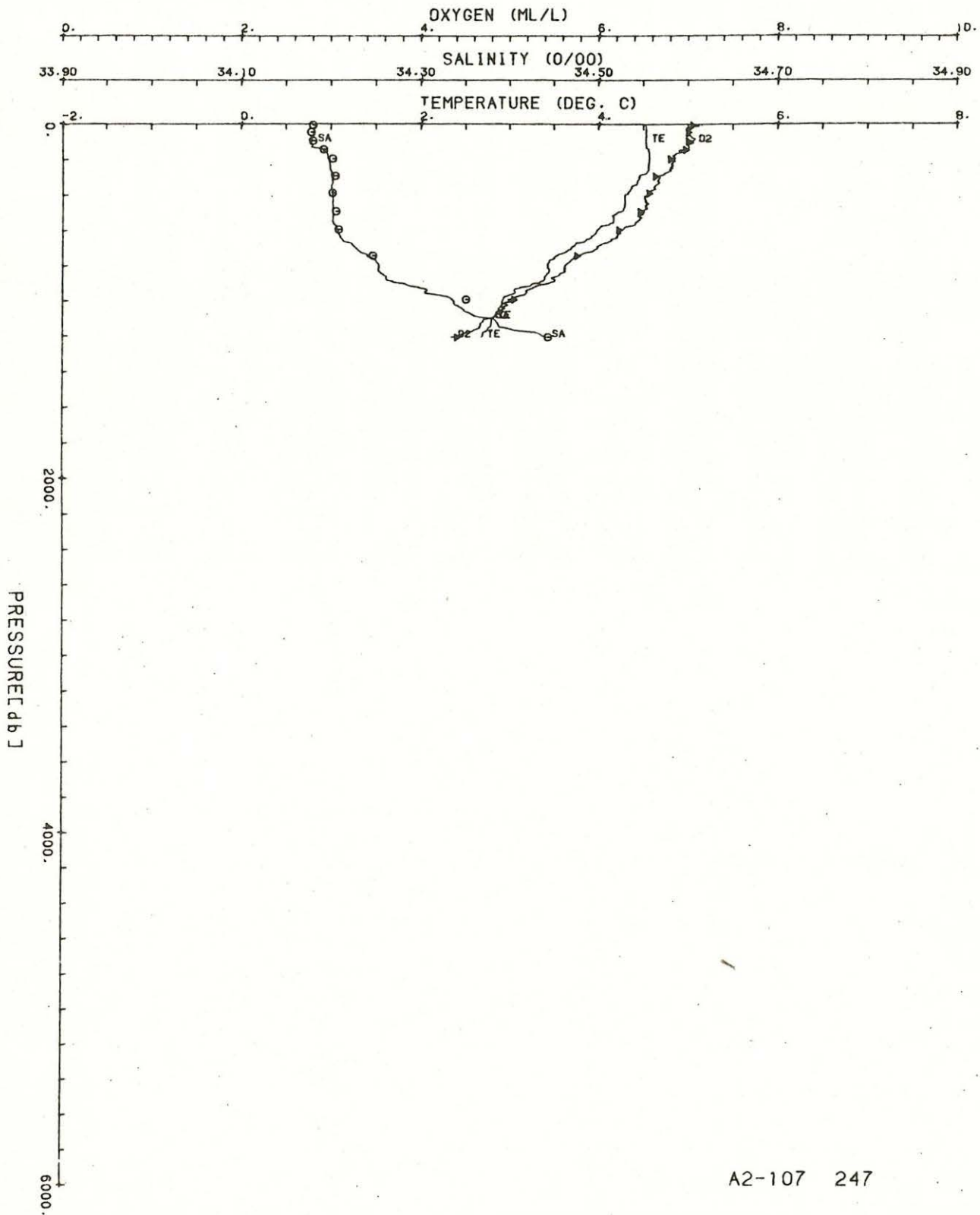
PR	T	S	P	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	η	DF
dbar	Deg C	σ _t	Deg C							cm	m
3	4.413	34.188	4.413	27.119	31.729	36.226	40.617	44.904	0.003	-0.639	3
25	4.424	34.187	4.423	27.117	31.726	36.224	40.614	44.901	0.024	-0.495	25
50	4.428	34.186	4.424	27.116	31.726	36.223	40.613	44.900	0.048	-0.405	50
75	4.433	34.185	4.428	27.115	31.725	36.222	40.612	44.899	0.072	-0.207	74
100	4.436	34.186	4.429	27.116	31.725	36.222	40.612	44.899	0.096	0.204	99
125	4.438	34.186	4.429	27.116	31.725	36.222	40.612	44.899	0.120	0.336	124
150	4.443	34.187	4.432	27.117	31.726	36.223	40.612	44.900	0.145	0.318	149
175	4.449	34.190	4.436	27.118	31.727	36.224	40.614	44.901	0.169	0.806	172
200	4.450	34.198	4.435	27.124	31.733	36.230	40.620	44.907	0.193	0.531	198
250	4.413	34.199	4.394	27.129	31.740	36.237	40.628	44.916	0.242	0.674	248
300	4.325	34.195	4.303	27.136	31.749	36.249	40.642	44.932	0.290	0.699	297
350	4.294	34.195	4.269	27.140	31.753	36.255	40.648	44.939	0.339	0.868	347
400	4.106	34.189	4.077	27.155	31.774	36.280	40.678	44.974	0.387	0.951	396
450	3.872	34.182	3.840	27.174	31.799	36.311	40.716	45.017	0.435	1.141	446
500	3.767	34.183	3.732	27.186	31.813	36.328	40.735	45.039	0.481	1.076	495
550	3.672	34.206	3.634	27.214	31.844	36.362	40.771	45.077	0.528	1.453	545
600	3.523	34.211	3.481	27.233	31.867	36.388	40.801	45.111	0.573	1.129	594
650	3.054	34.178	3.012	27.251	31.898	36.432	40.857	45.179	0.617	1.534	644
700	2.840	34.187	2.796	27.277	31.930	36.470	40.901	45.227	0.660	1.283	693
750	2.694	34.209	2.647	27.308	31.965	36.508	40.943	45.273	0.702	1.144	742
800	2.620	34.225	2.570	27.327	31.986	36.532	40.968	45.300	0.743	1.390	792
850	2.579	34.260	2.526	27.358	32.018	36.564	41.002	45.334	0.782	1.143	841
900	2.601	34.293	2.544	27.383	32.042	36.588	41.024	45.356	0.821	1.321	891
950	2.571	34.325	2.511	27.411	32.071	36.617	41.054	45.387	0.858	1.199	940
1000	2.542	34.345	2.478	27.431	32.091	36.638	41.076	45.409	0.894	1.464	990
1050	2.566	34.402	2.498	27.474	32.134	36.680	41.116	45.449	0.929	1.727	1039
1100	2.541	34.431	2.469	27.499	32.160	36.706	41.143	45.476	0.963	0.736	1088
1150	2.525	34.457	2.450	27.522	32.183	36.729	41.167	45.500	0.995	1.238	1137
1200	2.502	34.480	2.423	27.542	32.203	36.751	41.189	45.522	1.027	1.146	1187
1250	2.467	34.504	2.389	27.565	32.227	36.775	41.214	45.548	1.058	0.759	1236
1300	2.450	34.521	2.364	27.580	32.243	36.791	41.231	45.565	1.088	1.270	1285
1350	2.421	34.539	2.331	27.597	32.260	36.810	41.250	45.585	1.117	0.758	1334
1400	2.399	34.557	2.306	27.614	32.277	36.827	41.268	45.604	1.146	0.653	1384
1450	2.352	34.584	2.256	27.639	32.304	36.859	41.297	45.634	1.174	1.778	1433
1500	2.317	34.608	2.217	27.662	32.328	36.880	41.322	45.660	1.200	1.006	1482
1600	2.243	34.632	2.136	27.688	32.356	36.910	41.354	45.694	1.252	0.752	1530
1700	2.233	34.638	2.118	27.694	32.363	36.917	41.362	45.702	1.302	0.392	1579
1800	2.232	34.642	2.109	27.698	32.367	36.921	41.366	45.706	1.353	0.500	1777
1900	2.220	34.647	2.089	27.703	32.372	36.927	41.373	45.714	1.403	0.460	1875
2000	2.194	34.655	2.059	27.713	32.383	36.938	41.385	45.726	1.453	0.492	1974
2100	2.178	34.660	2.030	27.718	32.389	36.945	41.392	45.735	1.503	0.650	2072
2200	2.146	34.668	1.990	27.729	32.400	36.958	41.405	45.749	1.553	0.600	2170
2300	2.125	34.677	1.960	27.738	32.410	36.968	41.417	45.761	1.602	0.554	2268
2400	2.102	34.681	1.929	27.743	32.417	36.976	41.425	45.770	1.650	0.498	2366
2500	2.099	34.681	1.917	27.744	32.418	36.977	41.427	45.772	1.699	0.095	2464
2505	2.099	34.680	1.916	27.744	32.418	36.977	41.427	45.772	1.702	-0.363	2469



A2-107 246

STA-246 LAT= 56 41.2 S LON= 66 47.8 W SONIC DEPTH 1719 m STA-246
 DATE 4/ 9/80 GMT 452 CTD# 8

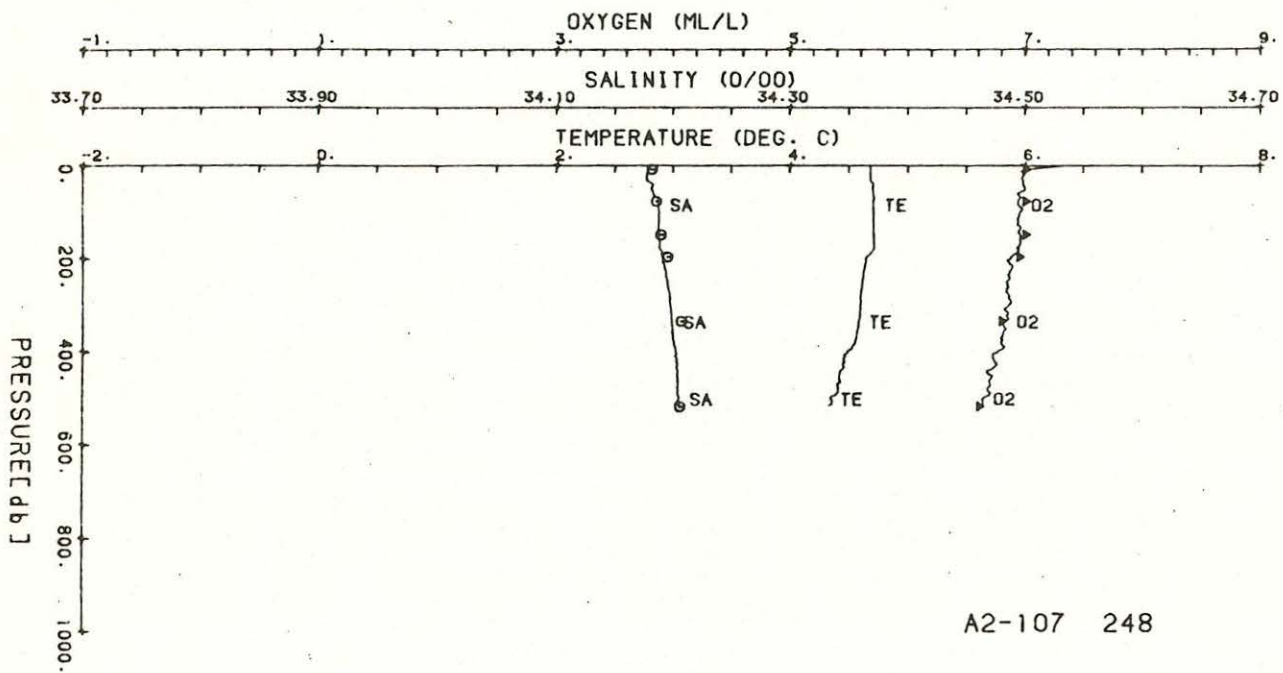
PR	T	S	A	SIG-0	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cm	m
1	3.976	34.200	3.976	27.175	31.796	36.304	40.709	45.003	0.001	-1.846	1
25	4.002	34.183	4.000	27.159	31.779	36.287	40.688	44.985	0.023	-0.415	25
50	4.002	34.182	3.999	27.158	31.779	36.287	40.688	44.985	0.046	-0.217	50
75	3.950	34.180	3.945	27.162	31.784	36.293	40.695	44.994	0.069	0.744	74
100	3.931	34.179	3.924	27.164	31.786	36.296	40.699	44.998	0.092	0.584	99
125	3.860	34.178	3.852	27.170	31.794	36.306	40.710	45.012	0.115	1.156	124
150	3.785	34.177	3.779	27.177	31.804	36.318	40.724	45.027	0.138	1.008	149
175	3.715	34.176	3.704	27.183	31.812	36.328	40.736	45.040	0.161	0.711	173
200	3.699	34.176	3.686	27.185	31.814	36.330	40.738	45.044	0.183	0.642	198
250	3.615	34.173	3.598	27.191	31.822	36.341	40.752	45.059	0.229	0.554	248
300	3.556	34.173	3.536	27.197	31.830	36.351	40.763	45.071	0.274	0.646	297
350	3.498	34.173	3.475	27.203	31.838	36.360	40.774	45.084	0.319	0.542	347
400	3.455	34.172	3.429	27.207	31.843	36.366	40.781	45.092	0.364	0.505	396
450	3.413	34.175	3.383	27.214	31.851	36.375	40.791	45.103	0.409	1.008	446
500	3.271	34.175	3.238	27.227	31.869	36.397	40.816	45.132	0.454	1.020	495
550	3.249	34.197	3.212	27.247	31.889	36.417	40.837	45.154	0.498	1.001	545
600	3.248	34.215	3.208	27.262	31.904	36.432	40.852	45.169	0.542	0.982	594
650	3.153	34.228	3.110	27.281	31.925	36.456	40.879	45.197	0.584	0.822	644
700	2.940	34.218	2.899	27.293	31.943	36.479	40.907	45.231	0.627	1.285	693
750	2.754	34.227	2.706	27.317	31.972	36.514	40.947	45.275	0.668	0.932	742
800	2.728	34.244	2.677	27.332	31.988	36.531	40.964	45.293	0.708	0.996	792
850	2.591	34.254	2.537	27.393	32.012	36.558	40.995	45.328	0.748	1.162	841
900	2.648	34.301	2.590	27.385	32.043	36.588	41.023	45.354	0.787	1.493	891
950	2.798	34.356	2.739	27.417	32.071	36.611	41.042	45.368	0.824	1.274	940
1000	2.745	34.382	2.680	27.443	32.097	36.639	41.071	45.399	0.860	0.688	989
1050	2.750	34.397	2.681	27.454	32.109	36.650	41.082	45.410	0.895	1.291	1039
1100	2.725	34.427	2.652	27.481	32.136	36.677	41.110	45.438	0.930	1.344	1088
1150	2.689	34.436	2.612	27.491	32.147	36.690	41.129	45.453	0.964	0.514	1137
1200	2.659	34.442	2.579	27.499	32.156	36.700	41.134	45.464	0.997	0.959	1187
1250	2.559	34.455	2.478	27.518	32.178	36.724	41.161	45.493	1.031	1.628	1236
1300	2.495	34.491	2.408	27.553	32.214	36.762	41.200	45.534	1.062	1.517	1285
1350	2.466	34.530	2.378	27.586	32.248	36.796	41.235	45.570	1.093	1.242	1334
1400	2.429	34.550	2.336	27.606	32.269	36.818	41.258	45.593	1.122	1.398	1384
1450	2.408	34.577	2.311	27.630	32.293	36.843	41.283	45.619	1.150	1.010	1433
1500	2.387	34.584	2.287	27.637	32.301	36.851	41.292	45.628	1.177	0.560	1482
1600	2.378	34.590	2.269	27.643	32.308	36.858	41.299	45.636	1.232	0.433	1580
1687	2.367	34.597	2.251	27.650	32.315	36.866	41.308	45.645	1.280	0.785	1666



A2-107 247

STA-247 LAT= 56 35.6 S LON= 66 51.2 W SONIC DEPTH 1175 m STA-247
 DATE 4/ 9/80 GMT 742 CTD# 8

PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DE
dbar	Deg C	o/oo	Deg C							cm	m
9	4.525	34.182	4.524	27.102	31.709	36.204	40.591	44.877	0.009	-0.644	9
25	4.529	34.181	4.527	27.101	31.708	36.202	40.590	44.875	0.024	0.161	25
50	4.530	34.180	4.526	27.101	31.707	36.202	40.590	44.875	0.049	-0.331	50
75	4.529	34.179	4.524	27.100	31.707	36.202	40.589	44.874	0.073	-0.378	74
100	4.528	34.178	4.521	27.100	31.706	36.201	40.589	44.874	0.098	-0.123	99
125	4.532	34.179	4.523	27.100	31.707	36.202	40.589	44.874	0.122	0.442	124
150	4.559	34.192	4.548	27.107	31.714	36.208	40.595	44.879	0.147	0.825	149
175	4.566	34.196	4.553	27.110	31.716	36.210	40.597	44.881	0.171	0.752	173
200	4.566	34.197	4.552	27.111	31.717	36.211	40.598	44.882	0.196	0.519	198
250	4.557	34.199	4.539	27.114	31.720	36.215	40.602	44.886	0.245	0.516	248
300	4.456	34.202	4.434	27.128	31.737	36.234	40.624	44.911	0.294	0.834	297
350	4.379	34.201	4.354	27.136	31.747	36.246	40.637	44.926	0.343	0.840	347
400	4.300	34.202	4.271	27.145	31.759	36.260	40.653	44.944	0.392	0.742	396
450	4.294	34.202	4.261	27.147	31.760	36.251	40.655	44.946	0.440	0.723	446
500	4.212	34.202	4.179	27.156	31.771	36.279	40.671	44.964	0.489	1.084	495
550	4.165	34.202	4.129	27.161	31.778	36.283	40.680	44.974	0.537	0.971	545
600	3.982	34.208	3.939	27.185	31.807	36.316	40.718	45.017	0.585	0.881	594
650	3.873	34.212	3.826	27.200	31.825	36.337	40.742	45.043	0.632	1.418	644
700	3.693	34.228	3.644	27.230	31.860	36.377	40.786	45.091	0.679	1.195	693
750	3.511	34.242	3.459	27.260	31.894	36.416	40.829	45.139	0.723	1.432	743
800	3.429	34.253	3.373	27.277	31.914	36.437	40.853	45.165	0.767	0.400	792
850	3.419	34.258	3.359	27.282	31.919	36.443	40.859	45.171	0.811	1.031	841
900	3.294	34.277	3.232	27.309	31.949	36.477	40.895	45.211	0.854	2.016	891
950	3.061	34.305	2.996	27.353	32.000	36.533	40.958	45.279	0.894	1.439	940
1000	2.915	34.337	2.848	27.392	32.042	36.579	41.007	45.332	0.933	0.793	989
1050	2.873	34.348	2.802	27.405	32.056	36.595	41.024	45.349	0.971	1.128	1039
1100	2.801	34.378	2.727	27.435	32.089	36.629	41.060	45.387	1.009	1.511	1088
1150	2.771	34.392	2.694	27.449	32.104	36.644	41.076	45.404	1.045	1.428	1137
1200	2.686	34.437	2.606	27.493	32.149	36.692	41.126	45.455	1.079	1.295	1187
1207	2.678	34.441	2.597	27.497	32.154	36.696	41.130	45.460	1.084	1.780	1194



A2-107 248

STA-248 LAT= 56 31.0 S LON= 66 56.2 W SONIC DEPTH 479 m STA-248
 DATE 4/ 9/80 GMT 1008 CTD# 8

PR	T	S	θ	SIG-θ	SIG-1	SIG-2	SIG-3	SIG-4	HGTH	N	DF
dbar	Deg C	o/oo	Deg C							cdh	m
1	4.673	34.178	4.673	27.083	31.686	36.177	40.561	44.843	0.001	-0.610	1
25	4.682	34.177	4.680	27.081	31.684	36.175	40.559	44.840	0.025	-0.043	25
50	4.703	34.182	4.700	27.083	31.685	36.175	40.559	44.840	0.050	0.244	50
75	4.710	34.187	4.709	27.087	31.689	36.179	40.562	44.843	0.074	0.714	74
100	4.709	34.188	4.702	27.087	31.690	36.180	40.563	44.844	0.099	0.273	99
125	4.710	34.188	4.701	27.088	31.690	36.180	40.563	44.844	0.124	-0.204	124
150	4.711	34.188	4.700	27.088	31.690	36.180	40.563	44.844	0.149	-0.071	149
175	4.714	34.189	4.701	27.088	31.690	36.181	40.564	44.845	0.174	0.664	174
200	4.650	34.192	4.639	27.098	31.702	36.193	40.578	44.861	0.199	0.861	198
250	4.618	34.196	4.599	27.105	31.710	36.202	40.588	44.871	0.249	0.621	248
300	4.602	34.198	4.580	27.109	31.714	36.207	40.593	44.877	0.299	0.414	297
350	4.580	34.200	4.554	27.113	31.719	36.213	40.600	44.884	0.349	0.605	347
400	4.491	34.203	4.461	27.126	31.734	36.231	40.619	44.906	0.398	1.040	396
450	4.425	34.204	4.391	27.135	31.745	36.242	40.633	44.921	0.448	0.657	446
500	4.359	34.205	4.322	27.143	31.755	36.254	40.647	44.936	0.497	0.986	495
515	4.340	34.206	4.302	27.145	31.758	36.258	40.651	44.941	0.512	0.890	510

REPORT DOCUMENTATION PAGE	1. REPORT NO. WHOI-81-71	2.	3. Recipient's Accession No.
4. Title and Subtitle PRESSURE, TEMPERATURE, SALINITY AND DISSOLVED-OXYGEN PROFILE DATA FROM R/V ATLANTIS II CRUISE 107 - LEG X		5. Report Date August 1981	6.
7. Author(s) Daniel T. Georgi, Alberto R. Piola and Nancy Galbraith		8. Performing Organization Rept. No.	
9. Performing Organization Name and Address Woods Hole Oceanographic Institution Woods Hole, MA 02543		10. Project/Task/Work Unit No. 11. Contract(C) or Grant(G) No. (C) (G) OCE 78-22223	
12. Sponsoring Organization Name and Address National Science Foundation- Office of International Decade of Ocean Exploration		13. Type of Report & Period Covered Technical 14.	
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16. Abstract (Limit: 200 words) This report summarizes in graphical and tabular form the continuous conductivity-temperature-pressure-dissolved-oxygen (CTDO ₂) data collected during the R/V ATLANTIS II cruise 107, Leg X. These data were collected in the austral winter of 1980 as part of the International Southern Ocean Studies (ISOS) to evaluate and test various Antarctic Intermediate Water formation and circulation mechanisms.			
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18. Availability Statement		19. Security Class (This Report) Unclassified	21. No. of Pages 185
		20. Security Class (This Page)	22. Price

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