

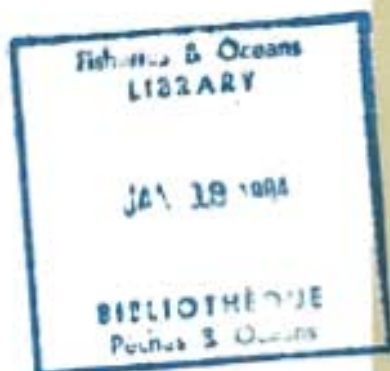
Alberni Inlet CTD Data Report; 1979 to 1981

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Canada

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**Canadian Data Report of
Hydrography and Ocean Sciences
No. 15**



Pêches
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Canada

Canadian Data Report Of Hydrography and Ocean Sciences

Data reports provide a medium for the documentation and dissemination of data in a form directly useable by the scientific and engineering communities. Generally, the reports contain raw and/or analyzed data but will not contain interpretations of the data. Such compilations commonly will have been prepared in support of work related to the programs and interests of the Ocean Science and Surveys (OSS) sector of the Department of Fisheries and Oceans.

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Les rapports statistiques sont produits à l'échelon régional, mais numérotés à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page du titre. Les rapports épuisés sont fournis contre rétribution par des agents commerciaux.

Les établissements des Sciences et levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports en décembre 1981. Une liste complète de ces publications figure dans le volume 39, Index des publications 1982, du *Journal canadien des sciences halieutiques et aquatiques*. La série actuelle a commencé avec la publication du rapport numéro 1 en janvier 1982.

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ABSTRACT

Lee, A.Y.P. and D.J. Stucchi, 1983. Alberni Inlet CTD Data Report: 1979 to 1981. Can. Data Rep. Hydrogr. Ocean Sci: 15 :326p.

From January, 1979 to September 1981 the Coastal Zone Oceanography Group of the Institute of Ocean Sciences conducted 23 cruises to Alberni Inlet during which a total of 461 CTD (conductivity, temperature and depth) casts were obtained. This report describes the sampling program, the instrumentation used to collect the data, data processing procedures, and data quality. An index to the calibrated data files is also provided. The bulk of the report contains the listing of the CTD and dissolved oxygen data at standard depths.

Key words: Salinity profiles, temperature profiles, Alberni Inlet.

RESUME

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De janvier 1979 à septembre 1981, le Groupe d'océanographie côtière de l'Institut des sciences de la mer a effectué 23 croisières dans l'inlet Alberni au cours desquelles il a enregistré 461 lectures de conductivité, de température et de profondeur (CTD). Le présent rapport décrit le programme d'échantillonnage, les instruments ayant servi à rassembler les données, les méthodes de traitement des données et la qualité de ces dernières. Y figure également un index des fichiers de données étalonnées. La majeure partie du rapport est consacrée à l'énumération des données sur la conductivité, la température, la profondeur et l'oxygène en dissolution aux profondeurs normales.

Mots clés: profils de salinité, profils de température, inlet Alberni.

ACKNOWLEDGEMENTS

The vast majority of the data was collected by the personnel of the Coastal Zone Oceanography Group. We would like to thank R. Bigham, H.J. Freeland, J.H. Meikle, D.G. Knigge-Seiberg, L.A.F. Spearing, and J.A. Stickland for their competent work on this project. We would also like to thank the personnel from the Offshore Oceanography Group and the Frozen Sea Research Group for the valuable assistance provided to us in our time of need. Finally we would like to thank the officers and crew of the C.S.S. Parizeau, C.S.S. Vector, Pandora II and C.F.A.V. Endeavour for their assistance and cooperation.

INTRODUCTION

Alberni Inlet is a 70 km long fjord located on the southwestern coast of Vancouver Island, B.C. (see Figure 1). The fjord comprises two main basins, a 15 km long inner basin of maximum depth 130m which is separated from the outer basin by a double sill at 40m depth. The outer basin is considerably larger, about 40 km in extent with maximum depth of 350m. The outer basin is connected to the Pacific Ocean over a short, shallow 30m sill at the seaward end of Trevor Channel, but the main deep passage to the Pacific is via Junction Passage and Barkley Sound where the depth is approximately 100m all the way to the shelf.

In January 1979, the Coastal Zone Oceanography Group embarked on a study of the continental shelf off southern Vancouver Island. This was one component of the larger Coastal Ocean Dynamics Experiment, CODE, which involved a number of other groups from the institute. Concurrent with CODE, the Coastal Zone Oceanography Group (CZO) initiated an investigation of the exchanges between Alberni Inlet and the adjacent continental shelf. Part of the observation program from the Alberni Inlet Study entailed CTD and dissolved oxygen sampling. Reported here are the CTD and dissolved oxygen content data collected during this study. The entire Alberni Inlet CTD data set is indexed chronologically in Appendix 1.

OBSERVATION PROGRAM

The synoptic program of CTD and dissolved oxygen content measurements was started in January 1979 and was terminated in September 1982. In all, 23 cruises were carried out during this period using a number of different vessels. The stations (A0 to A15) occupied during the survey of Alberni Inlet are shown in Figure 1. Vertical profiles of temperature and conductivity were obtained routinely at all these stations, but hydrocasts for dissolved oxygen content determinations were undertaken only at stations: A1, A2, A5, A7, A9, A12 and A14. Station positions and details of the sampling procedure at those stations are listed in Table 1.

INSTRUMENTATION

The instrumentation used to collect the data consisted of 1) a Guildline Instruments Ltd. model 8700 MK II CTD (conductivity, temperature and depth) probe and control console, 2) a programmable data acquisition system - PRODAS - built by McDonald-Detwiller Ltd., 3) a Hewlett-Packard XY₁Y₂ plotter and, 4) a winch with seven-conductor cable and slip ring assembly.

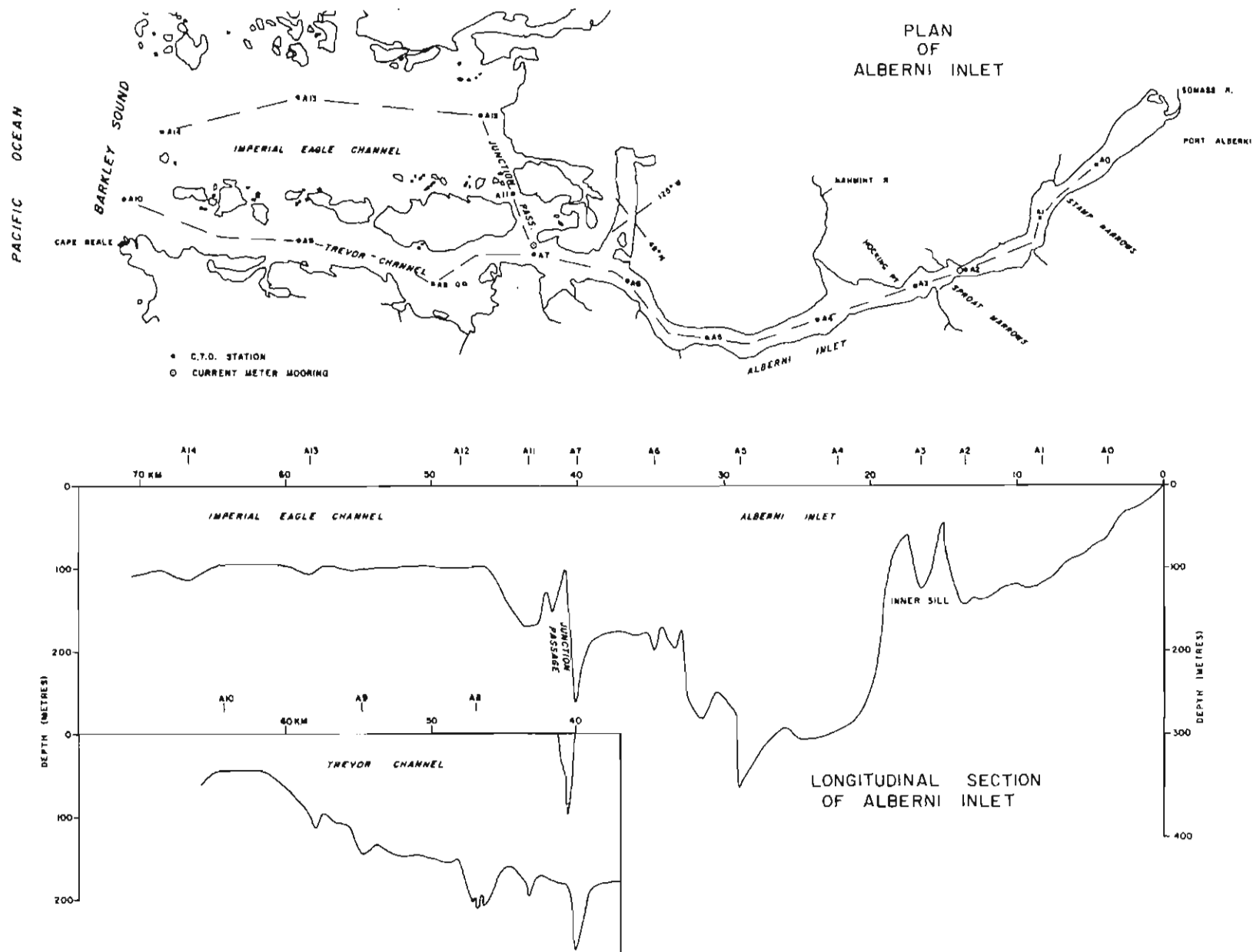


Figure 1 Plan view and longitudinal section of Alberni Inlet.

Table 1ALBERNI INLET CTD AND DISSOLVED OXYGEN STATIONS

<u>STATION</u>	<u>LATITUDE</u> N	<u>LONGITUDE</u> W	<u>DEPTH</u> (m)	<u>OXYGEN DEPTHS</u> (m)
AO	49°12.16'	124°49.02'	60	
* A1	49°09.91'	124°48.62'	110	50, 75, 100 m
* A2+	49°07.15'	124°48.80'	140	50, 75, 100, 125 m, salinity sample at 125 m
A3	49°05.50'	124°49.50'	120	
A4+	49°02.70'	124°51.11'	290	salinity sample at 250 m
* A5	48°59.58'	124°53.38'	360	50, 75, 100, 125, 150, 200, 200, 250, 300, 350 m
A6+	48°58.78'	124°57.80'	200	salinity sample at 175 m
* A7	48°57.02'	125°01.30'	240	50, 75, 100, 125, 150, 200 m
A8+	48°53.78'	125°03.05'	200	salinity sample at 175m
* A9	48°51.50'	125°08.10'	125	50, 75, 100, 125 m
A10	48°48.20'	125°14.40'	40	
A11+	48°57.60'	125°04.00'	150	salinity sample at 125 m
* A12	48°58.20'	125°07.80'	100	50, 75, bottom -10 m
A13	48°54.15'	125°12.95'	105	
* A14	48°50.05'	125°15.80'	110	50, 75, 100 m
A15	48°44.80'	125°21.60'	100	
* Hydro cqt for dissolved oxygen samples				
+ Salinity calibration samples for CTD				

The method of operation is straightforward. The CTD probe is lowered and raised through the water column at the rate of 1 to 1.5m s⁻¹. Power for the probe is sent down the cable from the control console. The analogue data signals are sent up the cable (one conductor for each sensor plus a signal ground) through the slip ring assembly to the CTD deck unit and data acquisition system. In the CTD deck unit the temperature, conductivity and pressure signals are put through an analogue computer to calculate salinity and then fed to the XY₁Y₂ plotter for a real time plot of the temperature and salinity profile.

The data acquisition system accepts the probe signals directly then multiplexes (1.2 ms/6 channel scan), digitizes (16 bit A-D converter), and sums for an integral number (usually 15) of 60 Hz power supply cycles - this corresponds to a 0.25 second summation. The number of summations, the summation for each sensor and those for the zero and reference voltages are then stored in a buffer, along with header information, and subsequently written onto nine-track (800 BPI) tape. A thermal printer is used to display, in real time, a small portion of this data and any error messages relating to the operation of the data acquisition system. The operation of the data acquisition system relies on a micro-processor which has been programmed to co-ordinate and perform input-output function, summation and diagnostic checks.

For the most part CZO group's CTD system was used, however there were a number of occasions when CZO's CTD system failed and data was obtained by manually digitizing the XY₁Y₂ plots, or when other CTD probes and systems were used. These departures from the norm and other relevant comments about the data are noted in the comments column of Table 2.

DATA PROCESSING

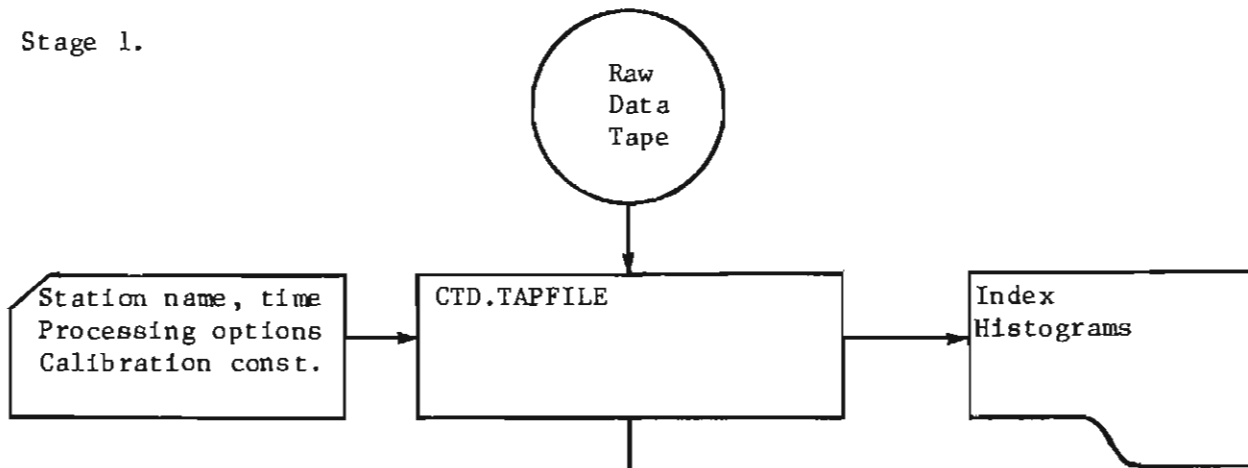
The processing of the data collected with the CTD system was carried out on the Univac 1106 computer at the Institute of Ocean Sciences. The processing is divided into four stages: 1) the conversion of the raw datalogger data, preliminary correction and calibration, and calculation of histograms, 2) manual editing of data, 3) final calibrations and calculations, and 4) data presentation. The data processing scheme is depicted in Figure 2.

The first stage of the processing begins with the conversion of the data written by PRODAS to Univac word format. The data are next converted to voltage units, the reference voltages checked for drift and then preliminary

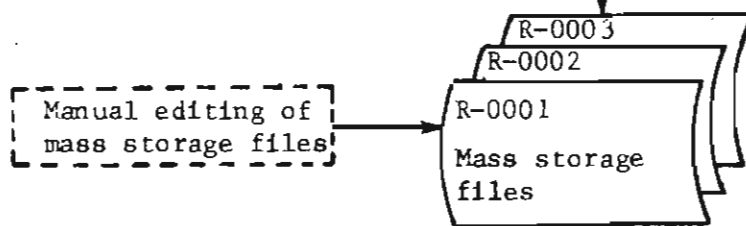
CRUISE #	VESSEL	DATE YR/MO/DY	TIME RESPONSE CORRECTION	DESCENT RATE CUT-OFF	COMMENTS
1	CFAV ENDEAVOUR	79/01/30	YES	YES	
2	PANDORA II	79/03/08	N/A	N/A	DIGITIZED XYX PLOTS-DATA QUALITY POOR DATALOGGER (PRODAS) FAILURE
3	CSS VECTOR	79/04/19	YES	YES	
4	CSS PARIZEAU	79/05/20	YES	YES	
5	PANDORA II	79/06/21	YES	YES	
6	CSS VECTOR	79/08/22	N/A	N/A	OCEAN ECOLOGY'S PROFILING SYSTEM
7	CSS PARIZEAU	79/10/04	YES	YES	
8	CSS PARIZEAU	79/11/28	YES	YES	
9	CSS PARIZEAU	80/02/08	YES	YES	
10	PANDORA II	80/03/26	YES	YES	
11	CSS PARIZEAU	80/04/23	YES	YES	
12	CSS PARIZEAU	80/06/13	NO	YES	OFFSHORE'S CTD PROBE (#40447) +PRODAS DATA QUALITY POOR -SLIP RING NOISE
12A	CFAV ENDEAVOUR	80/07/25	N/A	N/A	OFFSHORE'S CTD SYSTEM - DATA LOST DIGITIZED XYX PLOTS - DATA POOR
13	CSS VECTOR	80/08/12	NO	YES	NEW TEMP AND COND SENSORS INSTALLED
14	CSS PARIZEAU	80/09/19	NO	YES	
15	CSS VECTOR	80/10/23	NO	YES	
16	CSS VECTOR	80/11/24	NO	YES	
17	CSS VECTOR	81/01/07	NO	YES	
18	CSS PARIZEAU	81/02/05	NO	YES	TIME SERIES AT STATION A15,A14,A13, A12,A11,A7 AND A6.
19	CSS VECTOR	81/03/11	NO	YES	
20	CSS PARIZEAU	81/04/22	NO	YES	
21	CSS PARIZEAU	81/06/07	NO	YES	OFFSHORE'S CTD SYSTEM USED
22	CSS PARIZEAU	81/09/07	NO	YES	

Table 2

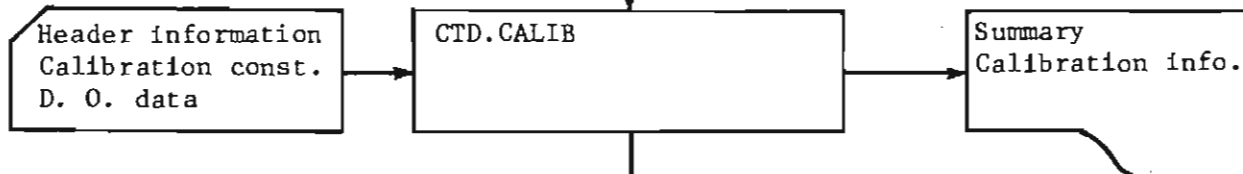
Stage 1.



Stage 2.



Stage 3.



Stage 4.

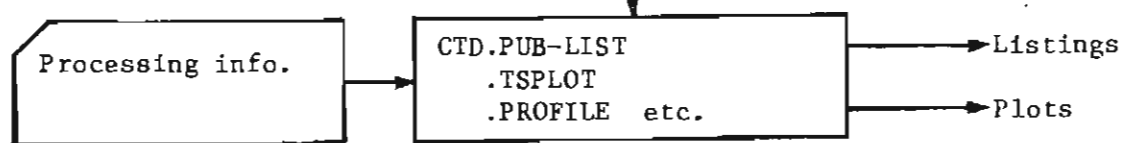


Figure 2. Data processing flow chart.

calibration applied to convert voltage to physical units, of temperature, conductivity and pressure. Because the temperature sensor has a slower response time than the conductivity sensor, the temperature data is corrected for this time response mismatch between the sensors. (This time response correction to the temperature data was only applied when the slow response - 0.25s - thermometer was fitted on the CTD.) The pressure data are checked to ensure that not only do they monotonically increase with time but also that the CTD probe is descending through the water column at a minimum speed of 0.5 m s^{-1} . The data are rejected when the above criteria are not satisfied. The reasons for rejection of these data will be discussed in the next section. Next, salinity is calculated according to the IAPSO "Practical Salinity Scale" (UNESCO 1981a). The corrected data with brief headers are written to mass storage files. Finally first difference histograms of pressure, temperature and salinity are computed and listed out together with data records which have abnormally large first differences.

The second stage is the editing of the mass storage files. The histograms and editing information produced in stage one are used to determine what editing is to be done. Editing is performed manually and usually entails the deletion of data spikes or errors, i.e. data that exceeds predetermined first difference criteria for each sensor. The determination of the editing criteria will vary as the oceanographic state being sampled changes, but as with any editing scheme there will always be a subjective component and some data errors will pass uncorrected. Our experience with these CTD data has shown that the amount of editing performed on each file is small (0 to 5 data errors/profile) with the errors invariably located in the top 10 metres of the profile.

In the third stage, the final calibrations are applied, and sigma-t ($\sigma_t = [\rho(S,T,0) - 1000.] [\text{kg m}^{-3}]$) and depth are computed. Sigma-t is computed using the new equation of state for seawater introduced by the UNESCO/ICES/SCOR/IAPSO joint panel on oceanographic standards (UNESCO 1981b). Depth is computed from pressure by the numerical integration of the hydrostatic pressure equation. All data is averaged over a one metre depth interval. The calibrated data is then written (unformatted) to nine track, 1600 BPI tape along with a header, which contains all the pertinent information about the particular CTD profile. The header includes: station name, position, time, date, pass number, cruise number, processing options, calibration constants, description of instrumentation, a comment field and any dissolved oxygen content data obtained at the station. Most of

this header information is input in this third processing stage. One record of calibrated data is depicted below.

Depth (m)	Pressure (db)	Salinity (PPT)	Temperature (°C)	Sigma-t (kg m ⁻³)	Conductivity Ratio
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The fourth and final stage of processing consists of a number of different programs which are used to present and display the data. Computer programs are available to produce profile plots, temperature-salinity (TS) diagrams, displacement plots, and various listing programs. The publication listing program was used to produce the standard depth listings contained in this report.

DATA QUALITY

Calibrations in the laboratory were performed on the temperature sensor. These consisted of either ice point determinations or calibrations over a range of temperatures using the Frozen Sea Research Group's temperature bath and 3 NRC thermistors as standards or Offshore Oceanography Group's temperature bath. Checks on the conductivity circuit were performed by replacing the conductivity cell with a decade resistance box and running through the resistance range of interest.

The field checks of the temperature and conductivity sensors were obtained by placing a Niskin water sampling bottle with reversing thermometers on the 7 conductor cable, several metres above the probe. The probe and bottle were then positioned at a depth where vertical gradients in temperature and salinity were small. After a suitable stabilization period the bottle and thermometers were tripped, and simultaneously, the data from the data acquisition system were noted. Salinities determined from the bottle sample, and temperatures from reversing thermometers were then compared with those computed from the CTD data. Differences were calculated between the Guildline CTD data and in situ bottle data. The mean salinity difference or offset was then incorporated as a correction to the salinity in the third data processing stage. The mean temperature difference or offset was not used to correct the data because of the relatively large uncertainty in the reversing thermometer temperature ($\pm 0.02^{\circ}\text{C}$) and the large scatter in these differences (see Figure 3). The reversing thermometer data were used as an indicator for gross calibration shifts in the CTD temperature sensor. The statistics for the 2 years of in situ calibration data (153 samples) for different CTD probes and different temperature sensors indicate a mean temperature difference (CTD temperature-reversing thermometer reading) of -0.01°C with a sample standard deviation of $\pm 0.05^{\circ}\text{C}$ - five times as large as

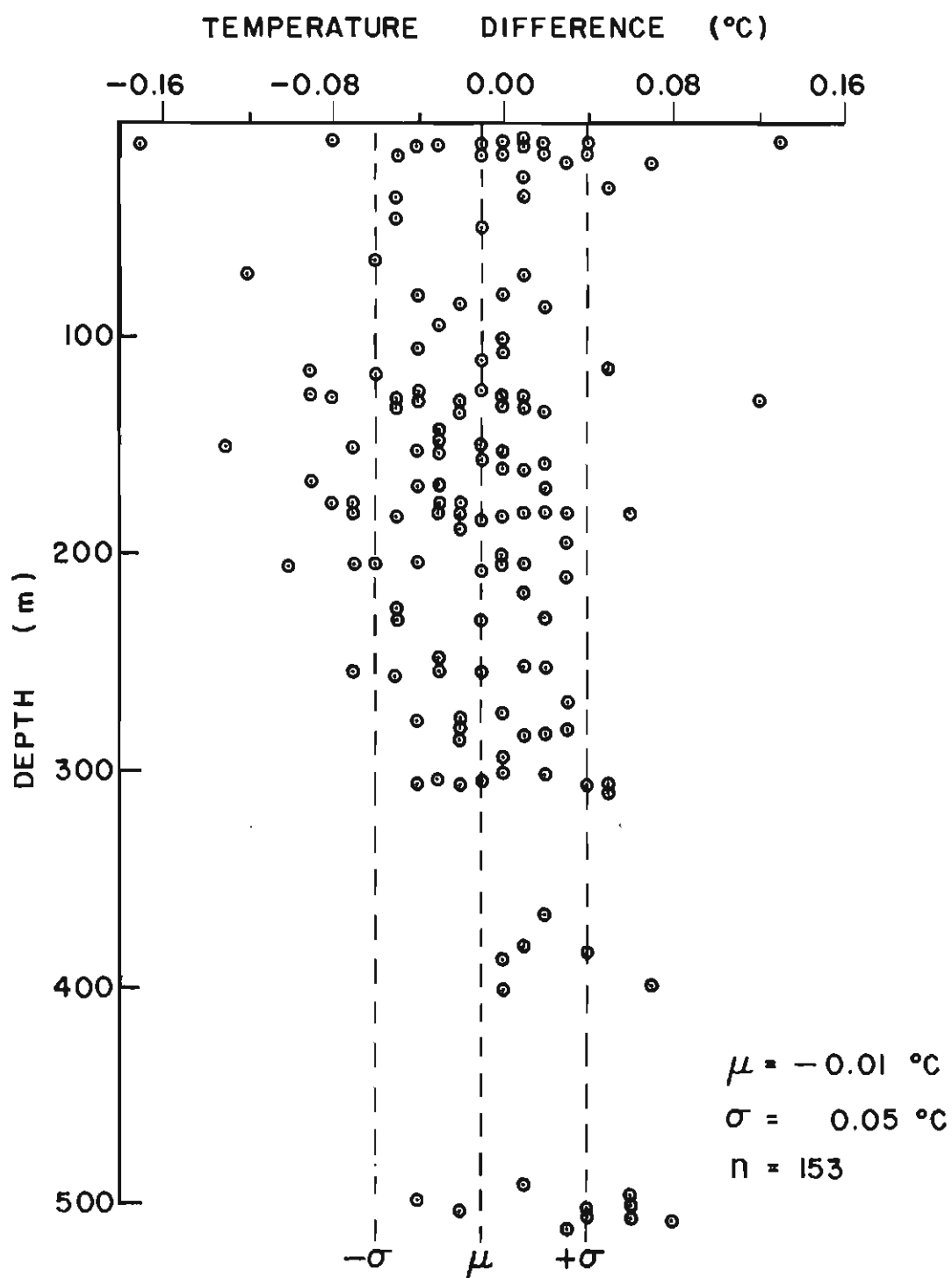


Figure 3 Temperature differences (Guildline CTD - reversing thermometers) for the period January 1977 to September 1981.

the mean. The 90% confidence interval for the mean is -0.02 to $+0.00^{\circ}\text{C}$ which indicates that the computed mean of -0.01 is not significantly different from a zero mean at 90% level of significance. The plot of temperature differences versus depth in Figure 3 indicates that there may be a bias with depth, however the large scatter in these data makes a depth dependent correction unwarranted. The statistics for the salinity differences (corrected CTD salinity - in situ bottle salinity) for different CTD probes and different conductivity sensors (169 samples) show no mean offset because the salinity data for each cruise have been corrected for the mean offset observed for that cruise (Figure 4). The mean salinity offsets for each cruise were in the range of 0.006 to 0.092 ‰. The sample standard deviation of 0.013 ‰ indicates that the scatter of the salinity differences about the offsets is small. The plot of salinity differences versus depth in Figure 4 also indicates a possible bias with depth, however even if the depth dependence of the salinity difference is significant the correction would be small (~ 0.006 ‰ at 500m). The temperature and salinity differences plotted in Figures 3 and 4 are not exclusively from samples taken in Alberni Inlet, included are the calibration samples from the offshore stations (CODE), Nootka Sound Inlets and Knight Inlet.

An important aspect of these CTD data that is relevant to the discussion of data quality is related to the variable descent rate of the CTD probe caused by ship motion. In the protected waters of Alberni Inlet ship motion is not significant but in the outermost oceanic stations where sea swells are present (A10, A14, A15) ship motion is an important consideration. It has been observed that when the CTD probe slows down and reverses its descent, positive going spikes or loops appear in the salinity signal. These spikes have been observed to be as large as 0.15 ‰ in regions where the vertical gradients are large. Since we did not know how to correct the conductivity signal the data were discarded. The criterion used to discard the data was based on the observation that these salinity spikes or loops occurred whenever the probe descent rate approached zero. Consequently, whenever the descent rate was less than 0.5m s^{-1} the data were discarded. This descent rate cut-off criterion, though arbitrarily chosen, eliminated or reduced substantially this spiking problem. Unfortunately, it did not completely eliminate the salinity spikes.

Another problem area of the CTD data is in the near surface region (0 to 5m). Not only do most of the data spikes occur in this region but there are many instances when unrealistically large density inversions occur, and it is not obvious how they should be corrected. These inversions may result from problems with the CTD and/or the manner in which profiles were taken from the vessels. It has been noted that if the conductivity cell is not properly cleaned and soaked prior to each cast large conductivity readings

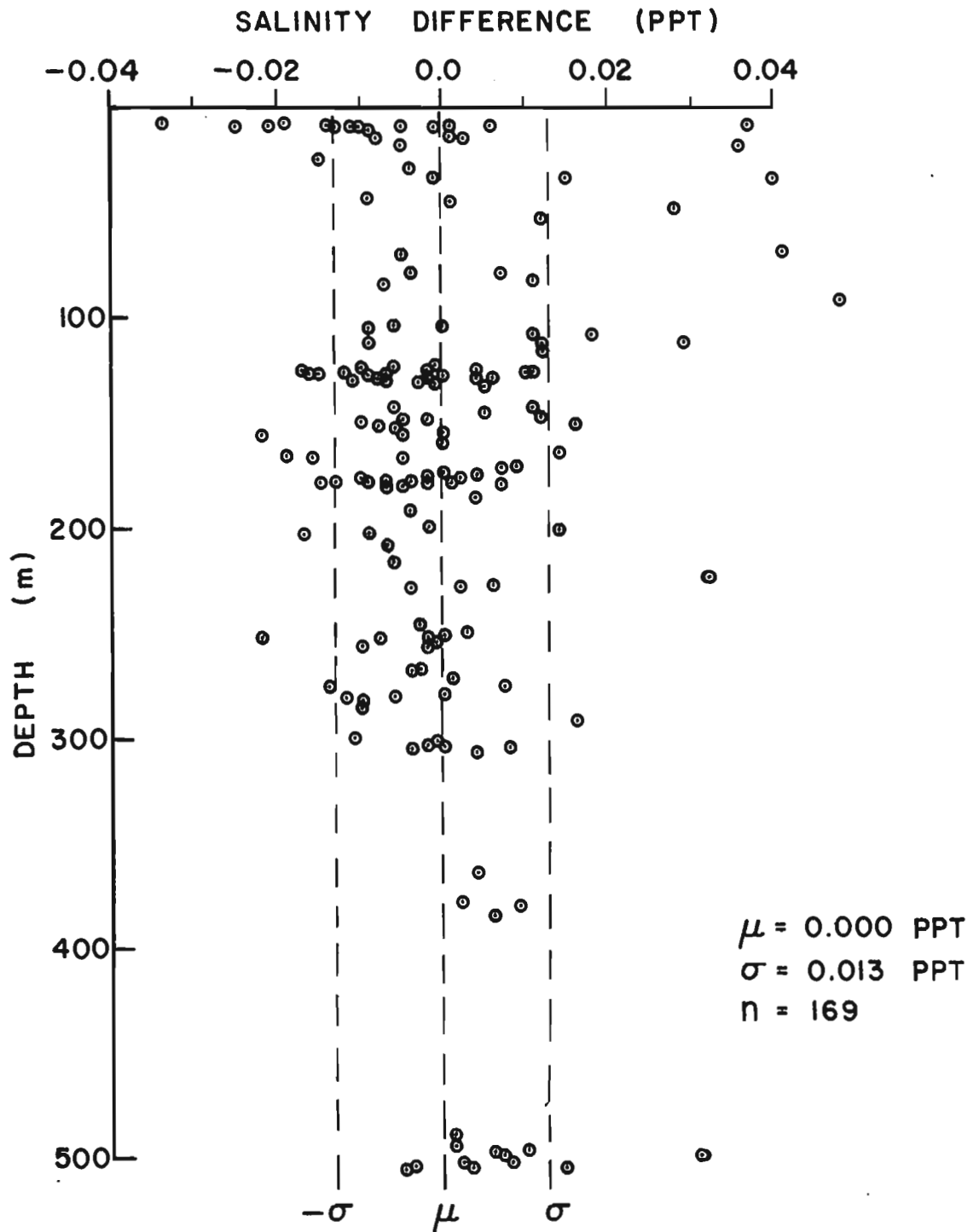


Figure 4 Salinity differences (corrected Guildline salinity - in situ bottle salinity) for the period from January 1977 to September 1981.

may occur at the start of the cast. Furthermore, during the cruises with the C.S.S. Parizeau and C.S.S. Vector the profiles were obtained from the stern directly in the propeller wash from these vessels. The constant stirring of the stratified surface waters by the propellers and the presence of bubbles in the wash may also have contributed to the spurious readings. The listings of data have been blanked out near the surface for these profiles in which these near surface inversions were observed.

The statement of data accuracy is necessarily ambiguous. The manufacturer states accuracies of ± 0.01 ‰ for equivalent salinity, $\pm 0.01^{\circ}\text{C}$ for temperature and ± 1.25 db for pressure. From the static, in situ calibrations the accuracy of the salinity is only slightly poorer at ± 0.013 ‰. It is difficult to comment upon the accuracy of the temperature data using the static, in situ calibrations because the large standard deviation of the temperature differences. This large scatter is probably due to the limited accuracy ($\sim 0.02^{\circ}\text{C}$) of the reversing thermometers. When the CTD probe is descending through regions of large vertical gradients, and especially when the descent rate is varying due to ship motion the accuracy of the data deteriorates considerably, and the accuracies stated by the manufacturer are optimistic. Data quality has been observed to be poor in the top few metres of a number of profiles, but in the vast majority of profiles no abnormalities are present. Consequently it is difficult to assign an accuracy to these measurements given the transient nature of the problem. The problem of time response mismatch between the temperature and conductivity sensor has been addressed by applying a correction to the temperature data. This correction has improved the data but it has not completely resolved the spiking problems probably because the time response mismatch between the sensors is a function of probe descent rate which usually is not constant. The problem associated with variable descent rate has been reduced by rejecting data where the descent rate was less than 0.5 m s^{-1} . This has eliminated some obvious inversions in the data, but many still remain. The problem of dynamic calibration of the temperature and conductivity sensor still remains.

DISSOLVED OXYGEN DATA

Samples for dissolved oxygen content determination were obtained at standard depths using Niskin water sampling bottles. Samples were drawn, pickled and analyzed within 24 hours. A modified Winkler titration method (Strickland and Parsons 1965) was used to determine the dissolved oxygen content of the samples. Two titrations were done on each sample giving an accuracy of about ± 0.02 ml/l under ideal laboratory conditions.

The dissolved oxygen content (in units of ml/l) data is presented together with the CTD data at the appropriate depths.

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APPENDIX 1. Index to calibrated data files

CRUISE

#	FILE #	STN	DATE YR/MO/DY	TIME (PST)	PASS #	LATITUDE (N)	LONGITUDE (W)	MXDEP (M)	DO
1									
	1	A0	79/01/30	0910	1	49 12.16	124 49.02	.0	0
	2	A1	79/01/30	0940	3	49 9.91	124 48.62	51.7	0
	3	A2	79/01/30	1030	5	49 7.15	124 48.80	101.3	4
	4	A3	79/01/30	1135	7	49 5.50	124 49.50	129.4	0
	5	A4	79/01/30	1205	9	49 2.70	124 51.11	103.3	0
	6	A5	79/01/30	1246	11	48 59.58	124 53.38	284.8	8
	7	A6	79/01/30	1425	13	48 58.78	124 57.80	356.4	0
	8	A7	79/01/30	1503	15	48 57.02	125 1.30	189.9	6
	9	A8	79/01/30	1629	17	48 53.78	125 3.05	182.9	0
	10	A9	79/01/30	1717	19	48 51.50	125 8.10	187.8	3
	11	A11	79/01/30	1833	21	48 57.72	125 4.48	110.0	0
	12	A12	79/01/30	1900	23	48 58.20	125 7.80	143.8	3
	13	A13	79/01/30	1948	25	48 54.15	125 12.95	81.1	0
	14	A14	79/01/30	2030	27	48 50.05	125 15.80	90.7	0
	15	A10	79/01/30	2102	29	48 48.20	125 14.40	98.2	0
	16	A10	79/02/04	0508	227	48 48.20	125 14.40	40.5	0
	17	A14	79/02/04	0527	229	48 50.05	125 15.80	40.8	0
	18	A13	79/02/04	0601	231	48 54.15	125 12.95	104.1	0
	19	A12	79/02/04	0640	233	48 58.20	125 7.80	103.4	3
	20	A11	79/02/04	0710	235	48 57.72	125 4.48	92.4	0
	21	A9	79/02/04	0803	237	48 51.50	125 8.10	149.1	4
	22	A8	79/02/04	0852	239	48 53.78	125 3.05	132.2	0
	23	A7	79/02/04	0922	241	48 57.02	125 1.30	151.0	5
	24	A6	79/02/04	1000	243	48 58.78	124 57.80	190.8	0
	25	A5	79/02/04	1030	245	48 59.58	124 53.38	170.8	7
	26	A4	79/02/04	1126	247	49 2.70	124 51.11	270.2	0
	27	A3	79/02/04	1153	249	49 5.50	124 49.50	278.0	0
	28	A2	79/02/04	1219	251	49 7.15	124 48.80	101.1	4
	29	A1	79/02/04	1255	253	49 9.91	124 48.62	125.1	0
	30	A0	79/02/04	1303	255	49 12.16	124 49.02	109.4	0
2									
	31	A1	79/03/08	0522	33	49 9.91	124 48.62	60.6	0
	32	A2	79/03/08	0553	5	49 7.15	124 48.80	103.5	4
	33	A3	79/03/08	0655	7	49 5.50	124 49.50	122.4	0
	34	A4	79/03/08	0723	9	49 2.70	124 51.11	109.5	0
	35	A5	79/03/08	0806	11	48 59.58	124 53.38	219.7	8
	36	A6	79/03/08	0935	13	48 58.78	124 57.80	323.0	0
	37	A7	79/03/08	1012	15	48 57.02	125 1.30	161.1	5
	38	A8	79/03/08	1110	17	48 53.78	125 3.05	161.1	0
	39	A9	79/03/08	1146	19	48 51.50	125 8.10	173.0	3
	40	A10	79/03/08	1235	21	48 48.20	125 14.40	123.3	0
	41	A11	79/03/08	1405	23	48 57.72	125 4.48	40.8	0
	42	A12	79/03/08	1426	25	48 58.20	125 7.80	51.8	2
	43	A13	79/03/08	1514	27	48 54.15	125 12.95	88.6	0
	44	A14	79/03/08	1545	29	48 50.05	125 15.80	85.6	3
3									
	45	A7	79/04/18	2009	1	48 57.02	125 1.30	90.6	5
	46	A8	79/04/18	2106	2	48 53.78	125 3.05	186.8	0

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#	FILE #	STN	DATE YR/MO/DY	TIME (PST)	PASS #	LATITUDE (N)	LONGITUDE (W)	MXDEP (M)	DO
	47	A9	79/04/18	2148	5	48 51.50	125 8.10	172.7	3
	48	A10	79/04/18	2238	7	48 48.20	125 14.40	119.1	0
	49	A14	79/04/18	2303	9	48 50.05	125 15.80	37.7	3
	50	A13	79/04/18	2354	11	48 54.15	125 12.95	96.6	0
	51	A12	79/04/19	0042	13	48 58.20	125 7.80	99.4	3
	52	A11	79/04/19	0125	15	48 57.72	125 4.48	92.2	0
	53	A7	79/04/19	0158	17	48 57.02	125 1.30	171.0	1
	54	A6	79/04/19	0239	19	48 58.78	124 57.80	189.5	0
	55	A5	79/04/19	0328	21	48 59.58	124 53.38	173.8	8
	56	A4	79/04/19	0453	23	49 2.70	124 51.11	290.1	0
	57	A3	79/04/19	0543	25	49 5.50	124 49.50	288.1	0
	58	A2	79/04/19	0609	28	49 7.15	124 48.80	120.0	4
	59	A1	79/04/19	0701	29	49 9.91	124 48.62	139.3	0
	60	A0	79/04/19	0727	31	49 12.16	124 49.02	110.4	0
4	61	A0	79/05/20	1404	21	49 12.16	124 49.02	60.7	0
	62	A1	79/05/20	1431	23	49 9.91	124 48.62	37.5	0
	63	A2	79/05/20	1511	25	49 7.15	124 48.80	92.6	4
	64	A3	79/05/20	1601	27	49 5.50	124 49.50	132.1	0
	65	A4	79/05/20	1640	30	49 2.70	124 51.11	101.4	0
	66	A5	79/05/20	1728	32	48 59.58	124 53.38	276.1	8
	67	A6	79/05/20	1841	34	48 58.78	124 57.80	338.9	0
	68	A7	79/05/20	1910	36	48 57.02	125 1.30	184.9	6
	69	A11	79/05/20	2000	37	48 57.72	125 4.48	221.6	0
	70	A12	79/05/20	2030	39	48 58.20	125 7.80	149.1	2
	71	A13	79/05/20	2125	41	48 54.15	125 12.95	78.5	0
	72	A14	79/05/20	2136	43	48 50.05	125 15.80	90.3	2
	73	A10	79/05/20	2230	45	48 48.20	125 14.40	80.4	0
	74	A9	79/05/21	2317	47	48 51.50	125 8.10	74.6	4
	75	A8	79/05/21	0015	49	48 53.78	125 3.05	123.1	0
	76	A7	79/05/20	0054	51	48 57.02	125 1.30	151.8	0
5	77	A1	79/06/21	0745	3	49 9.91	124 48.62	215.6	0
	78	A2	79/06/21	0829	5	49 7.15	124 48.80	110.4	4
	79	A3	79/06/21	0852	7	49 5.50	124 49.50	129.3	0
	80	A4	79/06/21	0920	9	49 2.70	124 51.11	109.3	0
	81	A5	79/06/21	1030	11	48 59.58	124 53.38	290.0	9
	82	A6	79/06/21	1107	13	48 58.78	124 57.80	325.9	0
	83	A7	79/06/21	1201	15	48 57.02	125 1.30	164.9	6
	84	A11	79/06/21	1242	17	48 57.72	125 4.48	239.4	0
	85	A12	79/06/21	1333	19	48 58.20	125 7.80	159.1	3
	86	A13	79/06/21	1421	21	48 54.15	125 12.95	90.4	0
	87	A14	79/06/21	1509	23	48 50.05	125 15.80	90.3	3
	88	A10	79/06/21	1539	25	48 48.20	125 14.40	106.3	0
	89	A9	79/06/21	1635	27	48 51.50	125 8.10	41.6	4
	90	A8	79/06/21	1713	29	48 53.78	125 3.05	130.1	0
	91	A7	79/06/21	1750	31	48 57.02	125 1.30	175.6	0
6	92	A0	79/08/22	1248	0	49 12.16	124 49.02	222.6	0

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FILE #	STN	DATE YR/MO/OY	TIME (PST)	PASS #	LATITUDE (N)	LONGITUDE (W)	MXDEP (M)	DO
93	A1	79/08/22	1343	0	49 9.91	124 48.62	39.6	0
94	A2	79/08/22	1502	0	49 7.15	124 48.80	100.4	4
95	A3	79/08/22	1534	0	49 5.50	124 49.50	124.9	0
96	A4	79/08/22	1612	0	49 2.70	124 51.11	98.2	0
97	A5	79/08/22	1707	0	48 59.58	124 53.38	247.1	7
98	A6	79/08/22	1805	0	48 58.78	124 57.80	247.4	0
99	A7	79/08/22	1841	0	48 57.02	125 1.30	175.8	6
100	A7	79/08/23	0053	0	48 57.02	125 1.30	192.5	0
101	A8	79/08/23	0009	0	48 53.78	125 3.05	199.7	0
102	A9	79/08/22	2320	0	48 51.50	125 8.10	164.0	0
103	A10	79/08/22	2230	0	48 48.20	125 14.40	122.9	0
104	A11	79/08/22	1923	0	48 57.72	125 4.48	116.4	0
105	A12	79/08/22	2001	0	48 58.20	125 7.80	149.8	3
106	A13	79/08/22	2104	0	48 54.15	125 12.95	83.6	0
107	A14	79/08/22	2153	0	48 50.05	125 15.80	87.2	3
7								
108	A0	79/10/04	1131	1	49 12.16	124 49.02	99.1	0
109	A1	79/10/04	1159	3	49 9.91	124 48.62	54.8	0
110	A2	79/10/04	1229	5	49 7.15	124 48.80	103.4	4
111	A3	79/10/04	1315	7	49 5.50	124 49.50	135.0	0
112	A4	79/10/04	1346	9	49 2.70	124 51.11	111.3	0
113	A5	79/10/04	0143	11	48 59.58	124 53.38	285.0	8
114	A6	79/10/04	0000	13	48 58.78	124 57.80	303.9	0
115	A7	79/10/04	1634	15	48 57.02	125 1.30	185.8	6
116	A11	79/10/04	1753	17	48 57.72	125 4.48	228.2	0
117	A12	79/10/04	1831	19	48 58.20	125 7.80	134.1	2
118	A13	79/10/04	1925	21	48 54.15	125 12.95	91.2	0
119	A14	79/10/04	1957	23	48 50.05	125 15.80	90.3	2
120	A10	79/10/04	2037	25	48 48.20	125 14.40	88.3	0
121	A9	79/10/04	2117	27	48 51.50	125 8.10	74.7	3
122	A8	79/10/04	2204	29	48 53.78	125 3.05	122.4	0
123	A7	79/10/04	2239	31	48 57.02	125 1.30	165.9	0
124	A5	79/10/05	1430	1	48 59.58	124 53.38	219.5	0
125	A5	79/10/05	1453	3	48 59.58	124 53.38	198.8	0
8								
126	A0	79/11/28	1048	1	49 12.16	124 49.02	197.7	0
127	A1	79/11/28	1116	3	49 9.91	124 48.62	49.6	0
128	A2	79/11/28	1203	5	49 7.15	124 48.80	92.4	4
129	A3	79/11/28	1255	7	49 5.50	124 49.50	126.4	0
130	A4	79/11/28	1339	9	49 2.70	124 51.11	104.6	0
131	A5	79/11/28	1421	11	48 59.58	124 53.38	181.0	8
132	A6	79/11/28	1522	13	48 58.78	124 57.80	300.2	0
133	A7	79/11/28	1557	15	48 57.02	125 1.30	175.7	6
134	A11	79/11/28	1647	17	48 57.72	125 4.48	203.6	0
135	A12	79/11/28	1719	19	48 58.20	125 7.80	70.7	2
136	A13	79/11/28	1813	21	48 54.15	125 12.95	83.4	0
137	A14	79/11/28	1847	22	48 50.05	125 15.80	92.3	2
138	A10	79/11/28	1745	25	48 48.20	125 14.40	82.4	0
139	A9	79/11/28	2023	27	48 51.50	125 8.10	74.5	3

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#	FILE #	STN	DATE YR/MO/DY	TIME (PST)	PASS #	LATITUDE (N)	LONGITUDE (W)	MXDEP (M)	DO
9	140	A8	79/11/28	2107	29	48 53.78	125 3.05	110.1	0
	141	A7	80/02/08	1503	42	48 57.02	125 1.30	144.9	6
	142	A8	80/02/08	1559	44	48 53.78	125 3.05	214.7	0
	143	A9	80/02/08	1635	46	48 51.50	125 8.10	158.0	3
	144	A10	80/02/08	1721	48	48 48.20	125 14.40	88.5	0
	145	A14	80/02/08	1742	50	48 50.05	125 15.80	41.7	3
	146	A13	80/02/08	1825	52	48 54.15	125 12.95	91.2	0
	147	A12	80/02/08	1912	54	48 58.20	125 7.80	98.6	3
	148	A11	80/02/08	1951	56	48 57.72	125 4.48	93.5	0
	149	A7	80/02/08	2022	58	48 57.02	125 1.30	85.3	0
	150	A6	80/02/08	2107	60	48 58.78	124 57.80	224.6	0
	151	A5	80/02/08	2155	62	48 59.58	124 53.38	160.8	8
	152	A4	80/02/08	2320	64	49 2.70	124 51.11	312.1	0
	153	A3	80/02/08	0005	66	49 5.50	124 49.50	288.0	0
	154	A2	80/02/09	0034	68	49 7.15	124 48.80	110.4	4
	155	A1	80/02/09	0123	70	49 9.91	124 48.62	127.2	3
	156	A0	80/02/09	0230	72	49 12.16	124 49.02	107.2	0
10	157	A7	80/02/10	1933	1	48 57.02	125 1.30	54.9	0
	158	A0	80/03/26	0810	27	49 12.16	124 49.02	182.1	0
	159	A1	80/03/26	0829	29	49 9.91	124 48.62	55.4	0
	160	A2	80/03/26	0904	31	49 7.15	124 48.80	107.5	4
	161	A3	80/03/26	0939	33	49 5.50	124 49.50	136.2	0
	162	A0	80/03/26	1907	36	49 12.16	124 49.02	107.3	0
	163	A1	80/03/26	1930	37	49 9.91	124 48.62	54.4	0
	164	A2	80/03/26	2010	39	49 7.15	124 48.80	99.5	4
	165	A3	80/03/26	2048	42	49 5.50	124 49.50	130.4	0
	166	A4	80/03/26	2116	43	49 2.70	124 51.11	109.0	0
	167	A5	80/03/26	2224	45	48 59.58	124 53.38	280.1	9
	168	A6	80/03/26	2257	46	48 58.78	124 57.80	328.8	0
	169	A7	80/03/26	2327	50	48 57.02	125 1.30	169.8	6
	170	A11	80/03/27	0013	52	48 57.72	125 4.48	215.6	0
	171	A12	80/03/27	0042	54	48 58.20	125 7.80	145.6	3
	172	A13	80/03/27	0131	55	48 54.15	125 12.95	85.5	0
11	173	A14	80/03/27	0205	57	48 50.05	125 15.80	92.3	2
	174	A10	80/03/27	0238	59	48 48.20	125 14.40	85.5	0
	175	A9	80/03/27	0325	61	48 51.50	125 8.10	74.6	4
	176	A8	80/03/27	0415	63	48 53.78	125 3.05	123.3	0
	177	A7	80/03/27	0503	65	48 57.02	125 1.30	160.3	0
	178	CYCLE	80/03/27	0001	1	1 2.30	4 5.60	246.5	0
	179	A7	80/04/23	1114	39	48 57.02	125 1.30	82.5	6
	180	A8	80/04/23	2113	41	48 53.78	125 3.05	218.6	0
	181	A9	80/04/23	1251	43	48 51.50	125 8.10	155.2	2
	182	A10	80/04/23	1346	45	48 48.20	125 14.40	91.6	0
	183	A14	80/04/23	1410	47	48 50.05	125 15.80	40.8	3
	184	A13	80/04/23	1449	49	48 54.15	125 12.95	94.1	0

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#	FILE #	STN	DATE YR/MO/DY	TIME (PST)	PASS #	LATITUDE (N)	LONGITUDE (W)	MXDEP (M)	DO
	185	A12	80/04/23	1527	51	48 58.20	125 7.80	102.6	3
	186	A11	80/04/23	1601	53	48 57.72	125 4.48	95.2	0
	187	A7	80/04/23	1627	55	48 57.02	125 1.30	94.5	0
	188	A6	80/04/23	1701	58	48 58.78	124 57.80	211.6	0
	189	A5	80/04/23	1736	60	48 59.58	124 53.38	167.8	8
	190	A4	80/04/23	1851	61	49 2.70	124 51.11	310.0	0
	191	A3	80/04/23	1930	63	49 5.50	124 49.50	273.4	0
	192	A2	80/04/23	2005	66	49 7.15	124 48.80	95.4	4
	193	A1	80/04/23	2045	68	49 9.91	124 48.62	133.4	3
	194	A0	80/04/23	2111	69	49 12.16	124 49.02	98.3	0
12	195	A0	80/06/13	1209	74	49 12.16	124 49.02	54.5	0
	196	A1	80/06/13	1326	78	49 9.91	124 48.62	58.4	3
	197	A2	80/06/13	1425	82	49 7.15	124 48.80	113.3	4
	198	A3	80/06/13	1538	85	49 5.50	124 49.50	138.1	0
	199	A4	80/06/13	1615	87	49 2.70	124 51.11	102.5	0
	200	A5	80/06/13	1706	89	48 59.58	124 53.38	281.3	7
	201	A6	80/06/13	1807	91	48 58.78	124 57.80	320.9	0
	202	A7	80/06/13	1850	93	48 57.02	125 1.30	176.7	6
	203	A11	80/06/13	1936	95	48 57.72	125 4.48	212.7	0
	204	A12	80/06/13	2010	97	48 58.20	125 7.80	166.9	3
	205	A13	80/06/13	2105	99	48 54.15	125 12.95	93.4	0
	206	A14	80/06/13	2141	101	48 50.05	125 15.80	103.4	3
	207	A10	80/06/13	2212	103	48 48.20	125 14.40	99.3	0
	208	A9	80/06/13	2256	106	48 51.50	125 8.10	44.5	3
	209	A8	80/06/13	2342	108	48 53.78	125 3.05	92.5	0
	210	A7	80/06/14	0042	111	48 57.02	125 1.30	178.5	0
12A	211	A0	80/07/25	0815	0	49 12.16	124 49.02	199.4	0
	212	A1	80/07/25	0852	0	49 9.91	124 48.62	51.3	4
	213	A2	80/07/25	0953	0	49 7.15	124 48.80	100.0	3
	214	A3	80/07/25	1039	0	49 5.50	124 49.50	84.7	0
	215	A6	80/07/25	1258	0	48 58.78	124 57.80	62.7	0
	216	A11	80/07/25	1451	0	48 57.72	125 4.48	171.9	0
	217	A7	80/07/25	1346	0	48 57.02	125 1.30	126.2	7
	218	A12	80/07/25	1526	0	48 58.20	125 7.80	195.8	4
	219	A13	80/07/25	1618	0	48 54.15	125 12.95	78.5	0
	220	A14	80/07/25	1714	0	48 50.05	125 15.80	83.5	4
	221	A10	80/07/25	1743	0	48 48.20	125 14.40	99.4	0
	222	A9	80/07/25	1830	0	48 51.50	125 8.10	53.7	5
13	223	A0	80/08/12	1236	1	49 12.16	124 49.02	122.3	0
	224	A1	80/08/12	1302	3	49 9.91	124 48.62	187.9	3
	225	A2	80/08/12	1358	5	49 7.15	124 48.80	107.6	4
	226	A3	80/08/12	1452	7	49 5.50	124 49.50	136.9	0
	227	A4	80/08/12	1516	9	49 2.70	124 51.11	100.4	0
	228	A5	80/08/12	1606	11	48 59.58	124 53.38	188.5	9
	229	A6	80/08/12	1709	13	48 58.78	124 57.80	346.8	0
	230	A7	80/08/12	1743	15	48 57.02	125 1.30	191.8	6

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#	FILE #	STN	DATE YR/MO/DY	TIME (PST)	PASS #	LATITUDE (N)	LONGITUDE (W)	MXDEP (M)	DO
14	231	A11	80/08/12	1824	17	48 57.72	125 4.48	219.6	0
	232	A12	80/08/12	1855	19	48 58.20	125 7.80	148.2	2
	233	A13	80/08/12	1943	21	48 54.15	125 12.95	86.4	0
	234	A14	80/08/12	2015	23	48 50.05	125 15.80	90.2	2
	235	A10	80/08/12	2051	25	48 48.20	125 14.40	90.6	0
	236	A9	80/08/12	2133	27	48 51.50	125 8.10	37.5	4
	237	A8	80/08/12	2219	29	48 53.78	125 3.05	136.2	0
14	238	A7	80/09/19	1853	1	48 57.02	125 1.30	160.0	0
	239	A8	80/09/19	1937	3	48 53.78	125 3.05	207.7	0
	240	A9	80/09/19	2028	5	48 51.50	125 8.10	164.9	3
	241	A10	80/09/19	2125	7	48 48.20	125 14.40	125.5	0
	242	A14	80/09/19	2148	9	48 50.05	125 15.80	38.5	2
	243	A13	80/09/19	2033	11	48 54.15	125 12.95	89.4	0
	244	A12	80/09/19	2321	13	48 58.20	125 7.80	93.4	3
	245	A11	80/09/19	2359	15	48 57.72	125 4.48	88.2	0
	246	A7	80/09/20	0034	17	48 57.02	125 1.30	124.0	6
	247	A6	80/09/20	0132	19	48 58.78	124 57.80	243.3	0
	248	A5	80/09/20	0212	21	48 59.58	124 53.38	164.0	8
	249	A4	80/09/20	0325	23	49 2.70	124 51.11	317.7	0
	250	A3	80/09/20	0412	25	49 5.50	124 49.50	271.3	0
	251	A2	80/09/20	0443	27	49 7.15	124 48.80	99.5	4
	252	A1	80/09/20	0530	29	49 9.91	124 48.62	126.3	3
	253	A0	80/09/20	0500	31	49 12.16	124 49.02	101.5	0
15	254	A0	80/10/23	1412	1	49 12.16	124 49.02	43.9	0
	255	A1	80/10/23	1438	3	49 9.91	124 48.62	39.8	0
	256	A2	80/10/23	1505	5	49 7.15	124 48.80	103.5	5
	257	A3	80/10/23	1600	7	49 5.50	124 49.50	125.0	0
	258	A4	80/10/23	1624	9	49 2.70	124 51.11	99.5	0
	259	A5	80/10/23	1713	11	48 59.58	124 53.38	204.3	9
	260	A7	80/10/23	1739	13	48 57.02	125 1.30	303.0	6
	261	A12	80/10/23	1843	15	48 58.20	125 7.80	301.2	3
	262	A14	80/10/23	1956	17	48 50.05	125 15.80	95.5	3
	263	A7	80/10/22	0917	1	48 57.02	125 1.30	90.5	0
16	264	A7	80/11/24	2228	1	48 57.02	125 1.30	235.4	0
	265	A8	80/11/24	2301	3	48 53.78	125 3.05	181.8	0
	266	A9	80/11/24	2343	5	48 51.50	125 8.10	174.9	4
	267	A10	80/11/25	0044	7	48 48.20	125 14.40	126.0	0
	268	A14	80/11/25	0106	8	48 50.05	125 15.80	49.7	3
	269	A13	80/11/25	0144	11	48 54.15	125 12.95	99.3	0
	270	A12	80/11/25	0223	13	48 58.20	125 7.80	105.4	3
	271	A11	80/11/25	0258	15	48 57.72	125 4.48	102.6	0
	272	A6	80/11/25	0341	17	48 58.78	124 57.80	114.4	6
	273	A7	80/11/25	0515	19	48 57.02	125 1.30	177.7	6
	274	A6	80/11/25	0604	21	48 58.78	124 57.80	194.0	0
	275	A5	80/11/25	0646	23	48 59.58	124 53.38	169.0	7
	276	A4	80/11/25	0753	25	49 2.70	124 51.11	349.8	0

CRUISE

#	FILE #	STN	DATE YR/MO/DY	TIME (PST)	PASS #	LATITUDE (N)	LONGITUDE (W)	MXDEP (M)	DO
	277	A3	80/11/25	0827	27	49 5.50	124 49.50	226.7	0
	278	A2	80/11/25	8477	29	49 7.15	124 48.80	121.5	4
	279	A1	80/11/25	0931	31	49 9.91	124 48.62	143.1	3
	280	A0	80/11/25	1006	33	49 12.16	124 49.02	114.5	0
17	281	A7	81/01/07	0459	20	48 57.02	125 1.30	39.9	0
	282	A8	81/01/07	0547	21	48 53.78	125 3.05	213.8	0
	283	A9	81/01/07	0630	23	48 51.50	125 8.10	178.7	4
	284	A10	81/01/07	0730	25	48 48.20	125 14.40	130.4	0
	285	A14	81/01/07	0758	27	48 50.05	125 15.80	44.9	3
	286	A13	81/01/07	0841	29	48 54.15	125 12.95	101.4	0
	287	A12	81/01/07	0919	31	48 58.20	125 7.80	108.3	3
	288	A11	81/01/07	0952	33	48 57.72	125 4.48	98.5	0
	289	A7	81/01/07	1018	35	48 57.02	125 1.30	133.4	6
	290	A6	81/01/07	1101	37	48 58.78	124 57.80	238.6	0
	291	A5	81/01/07	1137	39	48 59.58	124 53.38	182.1	9
	292	A4	81/01/07	1237	41	49 2.70	124 51.11	361.7	0
	293	A3	81/01/07	1306	43	49 5.50	124 49.50	224.8	0
	294	A2	81/01/07	1353	45	49 7.15	124 48.80	122.3	4
	295	A1	81/01/07	1435	47	49 9.91	124 48.62	141.2	3
	296	A0	81/01/07	1504	49	49 12.16	124 49.02	114.6	0
18	297	A0	81/02/05	1802	39	49 12.16	124 49.02	38.6	0
	298	A1	81/02/05	1828	31	49 9.91	124 48.62	62.8	3
	299	A2	81/02/05	1904	43	49 7.15	124 48.80	112.1	4
	300	A3	81/02/05	1946	45	49 5.50	124 49.50	127.3	0
	301	A4	81/02/05	2021	47	49 2.70	124 51.11	117.4	0
	302	A5	81/02/05	2120	49	48 59.58	124 53.38	293.1	7
	303	A6	81/02/05	2230	51	48 58.78	124 57.80	305.1	0
	304	A7	81/02/05	2309	53	48 57.02	125 1.30	175.0	7
	305	A11	81/02/06	0016	55	48 57.72	125 4.48	234.7	0
	306	A12	81/02/06	0056	57	48 58.20	125 7.80	113.2	3
	307	A13	81/02/06	0155	59	48 54.15	125 12.95	99.5	0
	308	A14	81/02/06	0229	61	48 50.05	125 15.80	109.2	3
	309	A10	81/02/06	0329	63	48 48.20	125 14.40	101.6	0
	310	A9	81/02/06	0438	65	48 51.50	125 8.10	42.9	4
	311	A8	81/02/06	0532	67	48 53.78	125 3.05	113.4	0
	312	A8	81/02/09	0009	1	48 53.78	125 3.05	148.1	0
	313	A9	81/02/09	0115	3	48 51.50	125 8.10	178.2	4
	314	A10	81/02/09	0211	5	48 48.20	125 14.40	142.1	0
	315	A15	81/02/09	0249	7	48 44.80	125 21.60	44.7	0
	316	A14	81/02/09	0347	9	48 50.05	125 15.80	100.3	3
	317	A13	81/02/09	0434	11	48 54.15	125 12.95	96.4	0
	318	A12	81/02/09	0516	13	48 58.20	125 7.80	110.2	3
	319	A11	81/02/09	0559	15	48 57.72	125 4.48	101.3	0
	320	A7	81/02/09	0635	17	48 57.02	125 1.30	93.2	6
	321	A6	81/02/09	0728	19	48 58.78	124 57.80	244.7	0
	322	A5	81/02/09	0810	21	48 59.58	124 53.38	184.7	9
	323	A4	81/02/09	0914	23	49 2.70	124 51.11	354.5	0

CRUISE
#

FILE #	STN	DATE YR/MO/DY	TIME (PST)	PASS #	LATITUDE (N)	LONGITUDE (W)	MXDEP (M)	DO
324	A3	81/02/09	0952	25	49 5.50	124 49.50	285.1	0
325	A2	81/02/09	1014	27	49 7.15	124 48.80	100.6	4
326	A1	81/02/09	1057	29	49 9.91	124 48.62	138.4	3
327	A0	81/02/09	1121	31	49 12.16	124 49.02	113.5	0
328	A6	81/02/09	1714	33	48 58.78	124 57.80	61.5	0
329	A7	81/02/09	1748	35	48 57.02	125 1.30	186.7	0
330	A11	81/02/09	1816	37	48 57.72	125 4.48	226.3	0
331	A12	81/02/09	1840	39	48 58.20	125 7.80	100.4	0
332	A13	81/02/09	1921	41	48 54.15	125 12.95	90.6	0
333	A14	81/02/09	1957	43	48 50.05	125 15.80	92.7	0
334	A15	81/02/09	2054	45	48 44.80	125 21.60	86.5	0
335	A6	81/02/09	2308	47	48 58.78	124 57.80	95.4	0
336	A7	81/02/09	2341	49	48 57.02	125 1.30	177.6	0
337	A11	81/02/10	0013	51	48 57.72	125 4.48	236.5	0
338	A12	81/02/10	0046	53	48 58.20	125 7.80	144.3	0
339	A13	81/02/10	0127	55	48 54.15	125 12.95	98.5	0
340	A14	81/02/10	0203	57	48 50.05	125 15.80	101.3	0
341	A15	81/02/10	0301	59	48 44.80	125 21.60	103.4	0
342	A6	81/02/10	0520	61	48 58.78	124 57.80	98.7	0
343	A7	81/02/10	0555	63	48 57.02	125 1.30	183.9	0
344	A11	81/02/10	0621	65	48 57.72	125 4.48	233.4	0
345	A12	81/02/10	0645	67	48 58.20	125 7.80	87.4	0
346	A13	81/02/10	0725	69	48 54.15	125 12.95	87.3	0
347	A14	81/02/10	0800	71	48 50.05	125 15.80	97.5	0
348	A15	81/02/10	0853	73	48 44.80	125 21.60	92.3	0
349	A6	81/02/10	1121	75	48 58.78	124 57.80	92.6	0
350	A7	81/02/10	1158	77	48 57.02	125 1.30	175.8	0
351	A11	81/02/10	1229	79	48 57.72	125 4.48	235.3	0
352	A12	81/02/10	1258	81	48 58.20	125 7.80	142.0	0
353	A13	81/02/10	1340	83	48 54.15	125 12.95	98.7	0
354	A14	81/02/10	1422	87	48 50.05	125 15.80	100.6	0
355	A15	81/02/10	1519	89	48 44.80	125 21.60	100.6	0
356	A6	81/02/10	1740	91	48 58.78	124 57.80	100.3	0
357	A7	81/02/10	1813	93	48 57.02	125 1.30	166.3	0
358	A11	81/02/10	1836	95	48 57.72	125 4.48	180.8	0
359	A12	81/02/10	1858	97	48 58.20	125 7.80	107.2	0
360	A13	81/02/10	1940	99	48 54.15	125 12.95	90.6	0
361	A14	81/02/10	2015	101	48 50.05	125 15.80	97.1	0
362	A15	81/02/10	2112	103	48 44.80	125 21.60	97.4	0
363	A6	81/02/10	2333	105	48 58.78	124 57.80	94.3	0
364	A7	81/02/11	0001	107	48 57.02	125 1.30	176.9	0
365	A11	81/02/11	0026	109	48 57.72	125 4.48	223.6	0
366	A12	81/02/11	0051	111	48 58.20	125 7.80	97.7	0
367	A13	81/02/11	0131	113	48 54.15	125 12.95	99.5	0
368	A14	81/02/11	0207	115	48 50.05	125 15.80	104.6	0
369	A15	81/02/11	0302	117	48 44.80	125 21.60	101.5	0
370	A6	81/02/11	0527	119	48 58.78	124 57.80	100.3	0
371	A7	81/02/11	0605	121	48 57.02	125 1.30	170.8	0
372	A11	81/02/11	0634	123	48 57.72	125 4.48	238.4	0

CRUISE

#	FILE #	STN	DATE YR/MO/DY	TIME (PST)	PASS #	LATITUDE (N)	LONGITUDE (W)	MXDEP (M)	DO
	373	A12	81/02/11	0656	125	48 58.20	125 7.80	128.3	0
	374	A13	81/02/11	0736	127	48 54.15	125 12.95	89.7	0
	375	A14	81/02/11	0807	129	48 50.05	125 15.80	92.6	0
	376	A15	81/02/11	0904	131	48 44.80	125 21.60	94.3	0
	377	A6	81/02/11	1122	133	48 58.78	124 57.80	93.4	0
	378	A7	81/02/11	1153	135	48 57.02	125 1.30	175.7	0
	379	A11	81/02/11	1217	137	48 57.72	125 4.48	219.8	0
	380	A12	81/02/11	1236	139	48 58.20	125 7.80	105.5	0
	381	A13	81/02/11	1316	141	48 54.15	125 12.95	100.2	0
	382	A14	81/02/11	1350	143	48 50.05	125 15.80	109.3	0
	383	A15	81/02/11	1453	145	48 44.80	125 21.60	99.1	0
	384	A0	81/02/11	1814	147	49 12.16	124 49.02	102.3	0
	385	A1	81/02/11	1840	149	49 9.91	124 48.62	53.8	3
	386	A2	81/02/11	1920	151	49 7.15	124 48.80	101.2	4
	387	A3	81/02/11	2000	153	49 5.50	124 49.50	128.0	0
	388	A4	81/02/11	2022	155	49 2.70	124 51.11	100.6	0
	389	A5	81/02/11	2101	157	48 59.58	124 53.38	283.0	9
	390	A6	81/02/11	2201	159	48 58.78	124 57.80	341.5	0
	391	A7	81/02/11	2232	161	48 57.02	125 1.30	184.5	7
	392	A11	81/02/11	2325	163	48 57.72	125 4.48	232.7	0
	393	A12	81/02/11	2357	165	48 58.20	125 7.80	93.6	3
	394	A13	81/02/12	0039	167	48 54.15	125 12.95	93.2	0
	395	A14	81/02/12	0110	169	48 50.05	125 15.80	107.6	3
	396	A15	81/02/12	0205	171	48 44.80	125 21.60	99.1	0
	397	A10	81/02/12	0245	173	48 48.20	125 14.40	98.6	0
	398	A9	81/02/12	0328	175	48 51.50	125 8.10	41.4	4
	399	A8	81/02/12	0424	177	48 53.78	125 3.05	136.9	0
	400	A7	81/02/12	0504	179	48 57.02	125 1.30	159.1	0
19	401	A8	81/03/11	0603	21	48 53.78	125 3.05	232.6	0
	402	A9	81/03/11	0645	23	48 51.50	125 8.10	167.1	4
	403	A10	81/03/11	0738	25	48 48.20	125 14.40	118.4	0
	404	A15	81/03/11	0811	27	48 44.80	125 21.60	40.8	0
	405	A14	81/03/11	0905	29	48 50.05	125 15.80	99.2	3
	406	A13	81/03/11	0948	31	48 54.15	125 12.95	99.6	0
	407	A12	81/03/11	1028	33	48 58.20	125 7.80	103.3	3
	408	A11	81/03/11	1100	35	48 57.72	125 4.48	96.5	0
	409	A7	81/03/11	1123	37	48 57.02	125 1.30	90.2	6
	410	A6	81/03/11	1208	39	48 58.78	124 57.80	243.4	0
	411	A5	81/03/11	1248	41	48 59.58	124 53.38	188.8	8
	412	A4	81/03/11	1351	43	49 2.70	124 51.11	296.1	0
	413	A3	81/03/11	1423	45	49 5.50	124 49.50	205.8	0
	414	A2	81/03/11	1444	47	49 7.15	124 48.80	118.6	4
	415	A1	81/03/11	1531	49	49 9.91	124 48.62	142.3	3
	416	A0	81/03/11	1602	51	49 12.16	124 49.02	114.6	0
20	417	A0	81/04/22	0946	1	49 12.16	124 49.02	38.7	0
	418	A1	81/04/22	1013	3	49 9.91	124 48.62	53.5	3
	419	A2	81/04/22	1054	5	49 7.15	124 48.80	108.4	4

CRUISE

#	FILE #	STN	DATE YR/MO/DY	TIME (PST)	PASS #	LATITUDE (N)	LONGITUDE (W)	MXDEP (M)	DO
	420	A3	81/04/22	1129	7	49 5.50	124 49.50	127.5	0
	421	A4	81/04/22	1202	9	49 2.70	124 51.11	104.3	0
	422	A5	81/04/22	1254	11	48 59.58	124 53.38	292.0	9
	423	A6	81/04/22	1352	13	48 58.78	124 57.80	331.8	0
	424	A7	81/04/22	1437	15	48 57.02	125 1.30	178.0	6
	425	A11	81/04/22	1520	17	48 57.72	125 4.48	229.7	0
	426	A12	81/04/22	1548	19	48 58.20	125 7.80	125.9	3
	427	A13	81/04/22	1640	21	48 54.15	125 12.95	93.6	0
	428	A14	81/04/22	1718	23	48 50.05	125 15.80	101.4	3
	429	A15	81/04/22	1834	25	48 44.80	125 21.60	99.4	0
	430	A10	81/04/22	1926	27	48 48.20	125 14.40	96.5	0
	431	A9	81/04/22	2015	29	48 51.50	125 8.10	43.8	4
	432	A8	81/04/22	2118	31	48 53.78	125 3.05	128.3	0
21	433	A0	81/06/07	1352	0	49 12.16	124 49.02	169.2	0
	434	A1	81/06/07	1427	0	49 9.91	124 48.62	53.8	3
	435	A2	81/06/07	1500	0	49 7.15	124 48.80	102.5	4
	436	A3	81/06/07	1548	0	49 5.50	124 49.50	134.2	0
	437	A4	81/06/07	1618	0	49 2.70	124 51.11	105.4	0
	438	A5	81/06/07	1705	0	48 59.58	124 53.38	282.3	8
	439	A6	81/06/07	1827	0	48 58.78	124 57.80	351.7	0
	440	A7	81/06/07	1904	0	48 57.02	125 1.30	180.0	6
	441	A11	81/06/07	1951	0	48 57.72	125 4.48	184.9	0
	442	A12	81/06/07	2026	0	48 58.20	125 7.80	152.0	3
	443	A13	81/06/07	2117	0	48 54.15	125 12.95	87.5	0
	444	A14	81/06/07	2145	0	48 50.05	125 15.80	102.2	3
	445	A15	81/06/07	2235	0	48 44.80	125 21.60	97.3	0
	446	A10	81/06/07	2313	0	48 48.20	125 14.40	92.2	0
	447	A9	81/06/07	2354	0	48 51.50	125 8.10	37.5	4
	448	A8	81/06/08	0044	0	48 53.78	125 3.05	136.2	0
22	449	A0	81/09/07	0617	47	49 12.16	124 49.02	180.7	0
	450	A1	81/09/07	0638	49	49 9.91	124 48.62	65.6	3
	451	A2	81/09/07	0711	51	49 7.15	124 48.80	106.4	4
	452	A3	81/09/07	0746	53	49 5.50	124 49.50	124.2	0
	453	A4	81/09/07	0813	55	49 2.70	124 51.11	113.4	0
	454	A5	81/09/07	0857	57	48 59.58	124 53.38	283.9	9
	455	A6	81/09/07	0958	59	48 58.78	124 57.80	343.5	0
	456	A7	81/09/07	1109	63	48 57.02	125 1.30	172.8	6
	457	A12	81/09/07	1158	63	48 58.20	125 7.80	212.6	3
	458	A13	81/09/07	1241	65	48 54.15	125 12.95	90.2	0
	459	A14	81/09/07	1312	67	48 50.05	125 15.80	98.5	3
	460	A10	81/09/07	1341	69	48 48.20	125 14.40	97.1	0
	461	A9	81/09/07	1423	71	48 51.50	125 8.10	74.5	4

1979 CTD data

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 1 ALBERNI PROGRAM

LAT N 49 12.16

DATE 30/ 1/79

TIME (PST) 0910

TAPE: U01166 -001

LONG W 124 49.02

PASS NO. 1

STN: A0

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.3	.3	15.38	5.44	12.13
2.0	2.0	28.65	7.65	22.34
4.9	4.9	30.85	7.72	24.06
10.0	10.0	31.35	7.66	24.46
15.0	15.0	31.58	8.06	24.58
19.9	20.0	31.71	7.99	24.70
24.9	25.0	31.86	8.35	24.76
29.8	30.0	32.04	8.79	24.83
34.8	35.0	32.18	9.10	24.90
39.7	39.9	32.21	9.01	24.94
44.8	45.0	32.21	8.92	24.95
49.7	50.0	32.23	8.84	24.98
51.7	52.0	32.23	8.80	24.98

CRUISE NO: 1 ALBERNI PROGRAM

LAT N 49 9.91

DATE 30/ 1/79

TIME (PST) 0940

TAPE: U01166 -002

LONG W 124 48.62

PASS NO. 3

STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.3	.3	24.98	6.73	19.57
2.0	2.0	29.31	7.49	22.88
5.0	5.0	30.89	7.54	24.11
10.0	10.0	31.43	7.48	24.55
15.0	15.1	31.61	7.61	24.67
19.8	19.9	31.69	7.70	24.72
24.8	24.9	31.75	7.82	24.75
29.9	30.0	31.84	8.01	24.80
34.8	35.0	31.96	8.35	24.84
39.8	40.0	32.06	8.62	24.88
44.7	45.0	32.19	8.97	24.92
49.7	50.0	32.20	8.88	24.95
59.7	60.0	32.24	8.78	24.99
69.6	70.0	32.26	8.68	25.02
79.6	80.0	32.27	8.63	25.04
90.4	90.9	32.28	8.60	25.05
100.3	100.9	32.28	8.57	25.06
101.3	101.9	32.28	8.57	25.06

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 1 ALBERNI PROGRAM
 LAT N 49 7.15
 DATE 30/ 1/79
 TIME (PST) 1030

TAPE: U01166 -003
 LONG W 124 48.80
 PASS NO. 5
 STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
1.0	1.0	23.75	5.64	18.71	
2.0	2.0	26.91	6.62	21.10	
5.1	5.1	29.93	7.24	23.40	
10.0	10.0	31.30	7.43	24.45	
14.9	15.0	31.60	7.61	24.67	
19.8	19.9	31.72	7.71	24.74	
24.8	24.9	31.82	7.87	24.80	
29.8	30.0	31.88	7.95	24.84	
34.9	35.0	31.92	8.02	24.86	
39.7	39.9	31.94	8.04	24.87	
44.8	45.1	32.00	8.15	24.90	
49.8	50.1	32.06	8.23	24.93	4.00
59.7	60.0	32.13	8.36	24.97	
69.7	70.0	32.22	8.53	25.01	
74.6	75.0	32.24	8.66	25.01	3.43
79.6	80.0	32.25	8.66	25.02	
89.6	90.1	32.26	8.62	25.04	
100.5	101.0	32.27	8.59	25.05	3.51
110.4	111.0	32.28	8.58	25.05	
120.3	120.9	32.28	8.57	25.06	
124.4	125.0	32.28	8.57	25.06	3.51
129.4	130.1	32.28	8.57	25.06	

CRUISE NO: 1 ALBERNI PROGRAM
 LAT N 49 5.50
 DATE 30/ 1/79
 TIME (PST) 1135

TAPE: U01166 -004
 LONG W 124 49.50
 PASS NO. 7
 STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.9	.9	27.12	5.75	21.36
2.0	2.0	28.93	6.82	22.66
5.0	5.0	30.94	7.13	24.21
10.0	10.1	31.36	6.95	24.56
15.0	15.0	31.54	7.15	24.67
19.9	20.0	31.65	7.34	24.74
24.9	25.0	31.79	7.76	24.79
29.9	30.0	31.93	7.90	24.88
34.8	35.0	31.96	7.96	24.90
39.8	40.0	31.96	7.95	24.89
44.8	45.0	32.00	8.04	24.92
49.7	50.0	32.04	8.15	24.93
59.6	59.9	32.13	8.22	24.99
69.7	70.0	32.13	8.22	24.99
79.6	80.0	32.16	8.22	25.02
89.5	90.0	32.26	8.31	25.08
100.5	101.0	32.32	8.33	25.12
103.3	103.8	32.33	8.33	25.13

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 1 ALBERNI PROGRAM

LAT N 49 2.70

DATE 30/ 1/79

TIME (PST) 1205

TAPE: UD1166 -005

LONG W 124 51.11

PASS NO. 9

STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.7	.7	29.97	7.02	23.46
2.0	2.0	30.01	6.97	23.50
5.1	5.1	31.17	7.08	24.39
10.0	10.1	31.38	6.83	24.60
15.0	15.1	31.52	7.00	24.68
19.9	20.0	31.57	7.11	24.71
24.9	25.0	31.77	7.74	24.78
29.9	30.0	31.95	8.07	24.87
34.8	35.0	32.06	8.27	24.93
39.8	40.0	32.10	8.25	24.96
44.8	45.0	32.17	8.35	25.00
49.7	49.9	32.24	8.45	25.04
59.6	59.9	32.34	8.25	25.15
69.7	70.0	32.46	8.34	25.23
79.6	80.0	32.53	8.45	25.27
90.5	91.0	32.59	8.51	25.31
100.4	101.0	32.61	8.53	25.32
110.3	110.9	32.66	8.53	25.36
120.3	121.0	32.72	8.48	25.41
130.3	131.1	32.75	8.42	25.44
140.1	140.9	32.79	8.34	25.49
150.1	151.0	32.81	8.28	25.52
160.0	161.0	32.84	8.23	25.54
170.0	171.0	32.85	8.20	25.56
179.9	181.0	32.85	8.19	25.56
189.8	191.0	32.85	8.18	25.56
199.9	201.1	32.86	8.17	25.57
224.6	226.0	32.87	8.16	25.58
250.5	252.1	32.87	8.15	25.58
275.2	276.9	32.87	8.14	25.58
284.8	286.6	32.87	8.15	25.58

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 1 ALBERNI PROGRAM
 LAT N 48 59.58
 DATE 30/ 1/79
 TIME (PST) 1246

TAPE: U01166 -006
 LONG W 124 53.38
 PASS NO. 11
 STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
1.8	1.8	30.38	6.55	23.84	
4.6	4.6	31.24	6.81	24.49	
9.8	9.9	31.44	6.79	24.65	
14.8	14.8	31.51	6.85	24.69	
20.0	20.1	31.69	7.18	24.79	
24.8	24.9	31.84	7.62	24.85	
29.8	30.0	31.96	7.93	24.90	
34.8	35.0	32.04	8.13	24.93	
39.8	40.0	32.10	8.27	24.96	
44.7	45.0	32.18	8.37	25.00	
49.7	49.9	32.22	8.43	25.03	3.91
59.7	60.1	32.27	8.28	25.09	
69.6	70.0	32.33	8.23	25.15	
74.5	75.0	32.34	8.23	25.16	4.15
79.6	80.0	32.41	8.22	25.21	
89.5	90.0	32.48	8.27	25.26	
100.4	101.0	32.53	8.34	25.29	3.52
110.3	111.0	32.56	8.36	25.31	
120.3	121.0	32.64	8.44	25.36	
125.3	126.0	32.68	8.43	25.39	2.46
130.2	131.0	32.69	8.42	25.40	
140.1	140.9	32.75	8.36	25.46	
150.1	151.0	32.77	8.33	25.48	1.97
160.0	160.9	32.80	8.29	25.51	
170.0	171.0	32.80	8.28	25.51	
179.9	181.0	32.81	8.26	25.52	
189.9	191.1	32.84	8.20	25.55	
199.8	201.0	32.86	8.17	25.57	1.68
224.6	226.0	32.86	8.16	25.57	
250.4	252.0	32.86	8.16	25.57	1.75
275.3	277.0	32.87	8.16	25.58	
300.1	302.0	32.87	8.16	25.58	1.70
324.9	327.1	32.87	8.16	25.58	
349.7	352.0	32.87	8.16	25.58	
356.4	358.8	32.87	8.16	25.58	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 1 ALBERNI PROGRAM

LAT N 48 58.78

DATE 30/ 1/79

TIME (PST) 1425

TAPE: U01166 -007

LONG W 124 57.80

PASS NO. 13

STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.0	1.0	29.59	6.16	23.27
2.0	2.0	29.27	6.08	23.02
5.0	5.0	30.58	6.42	24.02
9.9	10.0	31.40	6.81	24.61
15.0	15.0	31.51	6.85	24.69
19.9	20.0	31.57	6.93	24.73
24.9	25.0	31.68	7.08	24.80
29.8	30.0	31.82	7.42	24.86
34.8	35.0	32.00	7.95	24.93
39.9	40.1	32.11	8.20	24.98
44.7	45.0	32.16	8.29	25.01
49.7	49.9	32.22	8.31	25.05
59.7	60.0	32.29	8.17	25.12
69.6	70.0	32.34	8.07	25.18
79.6	80.0	32.43	8.07	25.25
89.6	90.1	32.48	8.19	25.27
100.4	101.0	32.53	8.29	25.29
110.3	111.0	32.57	8.35	25.31
120.3	121.0	32.66	8.37	25.38
130.3	131.0	32.70	8.36	25.42
140.2	141.0	32.74	8.32	25.45
150.1	151.0	32.79	8.32	25.50
160.1	161.0	32.82	8.27	25.52
170.0	171.0	32.82	8.25	25.53
179.9	181.0	32.83	8.23	25.54
189.9	191.1	32.84	8.21	25.55

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 1 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 30/ 1/79
 TIME (PST) 1503

TAPE: U01166 -008
 LONG W 125 1.30
 PASS NO. 15
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.0	2.0	29.71	6.20	23.36	
5.1	5.1	30.14	6.30	23.68	
10.0	10.1	31.42	6.81	24.63	
15.0	15.0	31.55	6.88	24.72	
19.9	20.0	31.62	7.00	24.76	
24.9	25.0	31.78	7.25	24.85	
29.9	30.0	31.84	7.35	24.89	
34.9	35.1	31.89	7.40	24.92	
39.9	40.1	32.01	7.60	24.99	
44.7	45.0	32.19	7.92	25.08	
49.7	50.0	32.24	7.92	25.12	4.71
59.7	60.0	32.27	7.81	25.16	
69.7	70.1	32.38	7.85	25.24	
74.5	74.9	32.42	7.98	25.26	3.78
79.6	80.1	32.44	8.00	25.27	
90.5	91.0	32.49	8.13	25.29	
100.4	101.0	32.55	8.20	25.32	2.75
110.3	110.9	32.69	8.38	25.41	
120.3	121.0	32.71	8.38	25.42	
125.2	126.0	32.72	8.38	25.43	2.00
130.2	130.9	32.75	8.37	25.45	
140.2	141.0	32.78	8.34	25.49	
150.1	151.0	32.80	8.32	25.50	1.75
160.0	161.0	32.81	8.31	25.51	
170.0	171.0	32.81	8.30	25.51	
180.0	181.1	32.81	8.30	25.51	
182.9	184.1	32.81	8.30	25.51	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 1 ALBERNI PROGRAM

LAT N 48 53.78

DATE 30/ 1/79

TIME (PST) 1629

TAPE: UD1166 -009

LONG W 125 3.05

PASS NO. 17

STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
5.7	5.8	30.49	6.50	23.93
10.0	10.0	31.40	6.76	24.62
14.9	15.0	31.54	6.88	24.71
19.9	20.0	31.61	6.95	24.76
24.8	25.0	31.68	7.06	24.80
29.8	30.0	31.90	7.49	24.91
34.9	35.1	31.98	7.60	24.96
39.9	40.1	32.03	7.76	24.98
44.7	45.0	32.04	7.74	24.99
49.7	50.0	32.08	7.82	25.01
59.7	60.0	32.28	8.03	25.14
69.6	70.0	32.40	8.19	25.20
80.5	80.9	32.46	8.28	25.24
89.5	90.0	32.48	8.30	25.25
100.4	101.0	32.55	8.37	25.30
110.4	111.0	32.65	8.41	25.37
120.3	121.0	32.68	8.41	25.40
130.2	131.0	32.75	8.38	25.45
140.2	141.0	32.76	8.37	25.46
150.1	151.0	32.78	8.36	25.48
160.1	161.0	32.78	8.35	25.48
169.9	170.9	32.79	8.35	25.49
179.9	181.0	32.79	8.35	25.49
187.8	189.0	32.78	8.35	25.49

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 1 ALBERNI PROGRAM
 LAT N 48 51.50
 DATE 30/ 1/79
 TIME (PST) 1717

TAPE: U01166 -010
 LONG W 125 8.10
 PASS NO. 19
 STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.2	2.3	30.94	6.41	24.30	
5.0	5.0	31.13	6.52	24.43	
10.0	10.0	31.35	6.60	24.60	
14.9	15.0	31.48	6.69	24.69	
19.9	20.0	31.70	6.90	24.83	
25.0	25.1	31.75	6.99	24.86	
29.9	30.0	31.81	7.06	24.90	
34.8	35.0	31.82	7.08	24.91	
39.7	40.0	31.84	7.11	24.92	
44.9	45.1	31.87	7.15	24.94	
49.7	49.9	32.08	7.50	25.05	5.16
59.7	60.0	32.25	7.84	25.14	
69.4	69.8	32.39	8.04	25.22	
74.6	75.0	32.45	8.13	25.25	3.04
79.6	80.1	32.47	8.16	25.26	
90.5	91.0	32.52	8.23	25.29	
100.4	101.0	32.55	8.27	25.31	2.27
110.0	110.6	32.61	8.33	25.35	
110.0	110.6	32.61	8.33	25.35	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 1 ALBERNI PROGRAM

LAT N 48 57.72

DATE 30/ 1/79

TIME (PST) 1833

TAPE: U01166 -011

LONG W 125 4.48

PASS NO. 21

STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.9	.9	29.52	5.98	23.23
2.0	2.0	29.76	6.12	23.40
5.0	5.0	30.56	6.44	24.00
9.9	10.0	31.35	6.73	24.58
15.0	15.0	31.43	6.76	24.64
20.0	20.0	31.57	6.88	24.74
24.8	25.0	31.72	7.00	24.84
29.8	30.0	31.79	7.11	24.88
34.9	35.1	31.91	7.33	24.95
39.9	40.1	32.06	7.58	25.02
44.5	44.7	32.15	7.71	25.08
49.7	50.0	32.27	7.83	25.16
59.7	60.1	32.34	7.82	25.21
69.7	70.1	32.35	7.84	25.22
79.6	80.0	32.36	7.83	25.23
89.5	90.0	32.38	7.83	25.24
100.5	101.1	32.39	7.83	25.25
110.3	111.0	32.39	7.78	25.25
120.3	121.0	32.38	7.78	25.25
130.4	131.1	32.40	7.86	25.26
139.2	140.0	32.46	8.06	25.27
143.8	144.6	32.49	8.13	25.29

CRUISE NO: 1 ALBERNI PROGRAM

LAT N 48 58.20

DATE 30/ 1/79

TIME (PST) 1900

TAPE: U01166 -012

LONG W 125 7.80

PASS NO. 23

STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.3	3.3	28.44	5.05	22.48	
5.0	5.0	29.96	5.71	23.61	
10.0	10.1	31.42	6.77	24.63	
15.0	15.0	31.49	6.74	24.69	
20.0	20.1	31.58	6.80	24.75	
24.9	25.0	31.66	6.93	24.80	
29.8	30.0	31.79	7.14	24.88	
34.9	35.1	31.95	7.47	24.96	
39.8	40.0	32.10	7.71	25.04	
44.8	45.0	32.22	7.81	25.12	
49.7	50.0	32.26	7.87	25.15	4.54
59.7	60.0	32.38	8.03	25.21	
69.6	69.9	32.42	8.07	25.24	
74.6	75.1	32.42	8.09	25.24	3.90
79.6	80.0	32.45	8.11	25.25	
81.1	81.6	32.45	8.12	25.25	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 1 ALBERNI PROGRAM

LAT N 48 54.15

DATE 30/ 1/79

TIME (PST) 1948

TAPE: U01166 -013

LONG W 125 12.95

PASS NO. 25

STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
4.9	5.0	30.36	5.73	23.93
10.0	10.0	31.02	6.23	24.38
14.9	15.0	31.35	6.64	24.59
19.9	20.0	31.47	6.80	24.67
24.9	25.1	31.62	6.89	24.77
29.8	30.0	31.74	7.07	24.85
34.9	35.0	31.89	7.22	24.94
39.8	40.0	32.02	7.40	25.02
44.8	45.0	32.14	7.54	25.10
49.9	50.1	32.20	7.62	25.13
59.7	60.0	32.25	7.43	25.20
69.6	70.0	32.30	7.37	25.24
79.6	80.1	32.37	7.30	25.31
90.5	91.0	32.44	7.31	25.36
90.7	91.2	32.44	7.31	25.36

CRUISE NO: 1 ALBERNI PROGRAM

LAT N 48 50.05

DATE 30/ 1/79

TIME (PST) 2030

TAPE: U01166 -014

LONG W 125 15.80

PASS NO. 27

STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.9	.9	31.02	6.23	24.38
2.0	2.0	31.00	6.22	24.37
5.0	5.1	31.33	6.57	24.58
10.1	10.1	31.50	6.75	24.70
15.3	15.4	31.62	6.85	24.78
20.0	20.1	31.76	7.02	24.87
24.9	25.0	31.87	7.20	24.93
29.9	30.0	31.96	7.30	24.99
34.8	35.0	32.03	7.38	25.03
39.8	40.0	32.11	7.43	25.09
44.8	45.0	32.18	7.41	25.14
49.7	50.0	32.18	7.15	25.18
59.7	60.0	32.26	7.17	25.24
69.7	70.0	32.35	7.24	25.30
79.6	80.0	32.43	7.28	25.36
89.5	90.0	32.45	7.30	25.37
98.2	98.7	32.47	7.31	25.39

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 1 ALBERNI PROGRAM
 LAT N 48 48.20
 DATE 30/ 1/79
 TIME (PST) 2102

TAPE: U01166 -015
 LONG W 125 14.40
 PASS NO. 29
 STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.5	.5	31.34	6.34	24.62
1.9	1.9	31.31	6.37	24.59
5.0	5.0	31.40	6.44	24.65
10.0	10.0	31.58	6.55	24.79
14.9	15.0	31.74	6.66	24.90
19.8	19.9	31.84	6.67	24.98
24.7	24.9	31.91	6.72	25.02
29.9	30.0	31.96	6.92	25.03
34.9	35.1	32.02	6.82	25.09
39.7	39.9	32.09	6.93	25.14
39.7	39.9	32.09	6.93	25.14

CRUISE NO: 1 ALBERNI PROGRAM
 LAT N 48 48.20
 DATE 4/ 2/79
 TIME (PST) 0508

TAPE: U01166 -016
 LONG W 125 14.40
 PASS NO.227
 STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.3	.3	31.78	6.32	24.97
1.9	1.9	31.80	6.30	24.99
5.0	5.0	31.79	6.33	24.98
10.0	10.1	31.82	6.25	25.01
14.9	15.0	31.83	6.28	25.02
19.8	19.9	31.85	6.33	25.03
24.8	24.9	31.90	6.36	25.06
29.8	30.0	31.91	6.41	25.06
34.8	35.0	31.92	6.41	25.07
39.8	40.0	32.04	6.52	25.15
39.8	40.0	32.04	6.52	25.15

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 1 ALBERNI PROGRAM
 LAT N 48 50.05
 DATE 4/ 2/79
 TIME (PST) 0527

TAPE: U01166 -017
 LONG W 125 15.80
 PASS NO.229
 STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.3	.3	31.45	6.46	24.69
2.0	2.0	31.51	6.47	24.74
4.9	4.9	31.54	6.45	24.77
10.0	10.1	31.74	6.32	24.94
14.9	15.0	31.78	6.20	24.99
19.9	20.0	31.86	6.27	25.04
24.8	24.9	31.87	6.30	25.05
29.8	29.9	31.91	6.33	25.07
34.8	35.0	31.94	6.37	25.10
39.8	40.1	31.98	6.40	25.12
44.8	45.0	32.02	6.45	25.15
49.8	50.0	32.15	6.71	25.21
59.7	60.0	32.24	7.03	25.24
69.7	70.1	32.30	7.21	25.27
80.4	80.9	32.35	7.20	25.31
89.5	90.0	32.40	7.22	25.35
100.4	101.0	32.44	7.23	25.37
104.1	104.7	32.44	7.23	25.38

CRUISE NO: 1 ALBERNI PROGRAM
 LAT N 48 54.15
 DATE 4/ 2/79
 TIME (PST) 0601

TAPE: U01166 -018
 LONG W 125 12.95
 PASS NO.231
 STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.4	.4	30.53	5.61	24.07
2.0	2.0	30.60	5.58	24.13
5.0	5.0	30.57	5.59	24.11
10.0	10.0	30.57	5.58	24.10
14.9	15.0	31.34	6.41	24.61
19.9	20.0	31.68	6.82	24.83
24.9	25.0	31.83	6.71	24.96
29.9	30.0	31.90	6.72	25.02
34.8	35.0	32.08	7.20	25.09
39.8	40.0	32.19	7.43	25.15
44.8	45.1	32.23	7.45	25.18
49.7	50.0	32.29	7.56	25.21
59.7	60.1	32.34	7.47	25.26
69.6	70.0	32.35	7.28	25.30
79.5	80.0	32.38	7.26	25.32
90.5	91.0	32.48	7.24	25.40
100.3	100.9	32.51	7.26	25.42
103.4	104.0	32.51	7.27	25.42

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 1 ALBERNI PROGRAM

LAT N 48 58.20

DATE 4/ 2/79

TIME (PST) 0640

TAPE: UD1166 -019

LONG W 125 7.80

PASS NO.233

STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.3	.3	29.48	4.74	23.33	
1.9	2.0	29.73	4.83	23.52	
5.0	5.0	30.81	6.14	24.23	
10.0	10.0	31.50	6.98	24.67	
14.9	15.0	31.63	7.04	24.76	
20.0	20.1	31.81	7.18	24.88	
24.8	25.0	31.96	7.49	24.96	
29.8	29.9	32.04	7.53	25.02	
34.8	35.0	32.13	7.73	25.06	
39.9	40.1	32.23	7.86	25.12	
44.8	45.0	32.33	8.00	25.18	
49.7	50.0	32.38	8.01	25.22	4.36
59.6	59.9	32.42	7.96	25.25	
69.6	70.0	32.42	7.74	25.28	
74.5	75.0	32.39	7.53	25.30	5.18
79.6	80.0	32.40	7.37	25.33	
89.5	90.0	32.44	7.28	25.37	5.37
92.4	92.9	32.47	7.28	25.39	

CRUISE NO: 1 ALBERNI PROGRAM

LAT N 48 57.72

DATE 4/ 2/79

TIME (PST) 0710

TAPE: UD1166 -020

LONG W 125 4.48

PASS NO.235

STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.9	.9	30.68	6.66	24.06
1.9	1.9	30.63	6.61	24.03
5.0	5.0	31.53	6.89	24.70
10.0	10.1	31.65	6.93	24.79
14.9	15.0	31.77	7.10	24.87
19.8	19.9	31.90	7.29	24.94
24.8	24.9	31.98	7.42	24.99
29.8	29.9	32.03	7.50	25.01
34.9	35.1	32.09	7.56	25.05
39.8	40.0	32.15	7.62	25.09
44.7	45.0	32.23	7.70	25.14
49.7	50.0	32.29	7.79	25.18
59.7	60.1	32.41	7.97	25.25
69.6	70.0	32.38	7.51	25.29
79.5	80.0	32.39	7.38	25.32
89.5	90.0	32.42	7.34	25.34
100.4	101.0	32.43	7.34	25.35
110.5	111.1	32.44	7.34	25.36
120.3	121.0	32.45	7.33	25.37
130.3	131.0	32.45	7.32	25.37
140.2	141.0	32.45	7.33	25.37
149.1	150.0	32.46	7.32	25.38

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 1 ALBERNI PROGRAM
 LAT N 48 51.50
 DATE 4/ 2/79
 TIME (PST) 0803

TAPE: U01166 -021
 LONG W 125 8.10
 PASS NO.237
 STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.3	.3	31.17	6.72	24.44	
2.0	2.0	31.14	6.66	24.43	
5.0	5.0	31.66	6.98	24.79	
10.0	10.1	31.73	6.88	24.86	
15.0	15.0	31.87	6.96	24.96	
19.8	19.9	31.89	7.05	24.97	
24.9	25.0	31.93	7.06	24.99	
29.8	30.0	31.96	6.95	25.03	
34.8	35.0	32.00	6.91	25.07	
39.8	40.1	32.08	7.18	25.10	5.64
44.7	45.0	32.15	7.47	25.12	
49.7	50.0	32.23	7.69	25.15	
59.6	59.9	32.37	7.97	25.21	
64.6	65.0	32.40	8.06	25.23	3.76
69.7	70.1	32.46	8.17	25.26	
80.5	81.0	32.49	8.19	25.28	
89.5	90.0	32.52	8.20	25.30	3.12
100.4	101.0	32.55	8.23	25.32	
110.3	111.0	32.64	8.33	25.38	
115.5	116.1	32.69	8.36	25.41	1.94
120.3	121.0	32.73	8.39	25.44	
130.2	131.0	32.74	8.39	25.45	
132.2	133.0	32.74	8.39	25.44	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 1 ALBERNI PROGRAM
 LAT N 48 53.78
 DATE 4/ 2/79
 TIME (PST) 0852

TAPE: U01166 -022
 LONG W 125 3.05
 PASS NO.239
 STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.5	.5	30.62	6.33	24.05
2.0	2.0	31.05	6.55	24.37
5.0	5.1	31.45	6.90	24.64
10.0	10.0	31.74	7.08	24.84
15.0	15.1	31.84	7.21	24.90
19.9	20.0	31.91	7.32	24.94
24.8	25.0	31.95	7.32	24.98
29.8	29.9	32.04	7.51	25.02
34.8	35.0	32.12	7.65	25.06
39.9	40.1	32.15	7.66	25.09
44.7	45.0	32.20	7.77	25.11
49.8	50.1	32.30	8.00	25.16
59.5	59.9	32.38	8.01	25.22
69.6	70.0	32.41	8.01	25.24
80.5	80.9	32.48	8.09	25.28
90.4	90.9	32.52	8.17	25.30
100.4	101.0	32.52	8.07	25.32
110.3	111.0	32.57	8.23	25.34
120.3	121.0	32.70	8.39	25.41
130.3	131.0	32.75	8.39	25.45
140.1	140.9	32.77	8.38	25.47
150.2	151.1	32.80	8.36	25.49
151.0	151.9	32.80	8.36	25.50

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 1 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 4/ 2/79
 TIME (PST) 0922

TAPE: U01166 -023
 LONG W 125 1.30
 PASS NO.241
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.5	.5	30.81	6.71	24.16	
1.9	1.9	30.79	6.74	24.14	
5.0	5.0	31.38	6.95	24.57	
10.0	10.0	31.77	7.16	24.86	
14.9	15.0	31.84	7.27	24.90	
19.9	20.0	31.97	7.45	24.98	
24.9	25.0	32.02	7.56	25.00	
29.8	30.0	32.10	7.66	25.05	
34.8	35.0	32.15	7.73	25.08	
39.8	40.1	32.20	7.76	25.11	
44.7	45.0	32.27	7.79	25.16	
49.6	49.9	32.29	7.79	25.18	4.63
59.6	60.0	32.34	7.81	25.22	
70.5	70.9	32.39	7.76	25.26	
75.5	75.9	32.40	7.74	25.27	4.58
79.5	80.0	32.41	7.67	25.29	
89.5	90.0	32.47	7.60	25.35	
100.3	100.9	32.49	7.60	25.36	4.47
110.4	111.0	32.54	7.77	25.38	
120.3	121.0	32.64	8.08	25.41	
125.2	125.9	32.73	8.33	25.45	2.26
130.1	130.9	32.76	8.34	25.46	
140.0	140.9	32.80	8.35	25.49	
150.0	150.9	32.81	8.33	25.51	1.81
160.1	161.1	32.82	8.33	25.52	
169.9	171.0	32.83	8.30	25.53	
179.9	181.0	32.83	8.30	25.53	
189.8	191.0	32.84	8.29	25.53	
189.8	191.0	32.84	8.29	25.53	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 1 ALBERNI PROGRAM

LAT N 48 58.78

DATE 4/ 2/79

TIME (PST) 1000

TAPE: U01166 -024

LONG W 124 57.80

PASS NO.243

STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.5	.5	28.78	6.43	22.60
2.1	2.1	31.35	7.01	24.54
5.0	5.1	31.67	7.17	24.77
9.9	10.0	31.76	7.30	24.83
15.0	15.1	31.91	7.66	24.89
19.9	20.0	32.00	7.75	24.96
24.8	25.0	32.12	8.06	25.01
29.8	30.0	32.17	8.17	25.03
34.7	34.9	32.25	8.21	25.08
39.8	40.0	32.31	8.07	25.15
44.8	45.0	32.31	7.92	25.17
49.7	50.0	32.35	7.89	25.21
59.6	60.0	32.38	7.88	25.24
69.6	70.0	32.41	7.85	25.26
79.5	80.0	32.45	7.90	25.29
89.5	90.0	32.47	7.94	25.30
100.4	100.9	32.47	7.77	25.32
110.5	111.1	32.52	7.90	25.34
120.2	120.9	32.64	8.33	25.38
130.2	131.0	32.74	8.33	25.45
140.1	141.0	32.78	8.34	25.49
150.1	151.0	32.80	8.33	25.50
160.1	161.0	32.82	8.29	25.52
169.9	171.0	32.84	8.25	25.54
169.9	171.0	32.84	8.25	25.54

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 1 ALBERNI PROGRAM

LAT N 48 59.58

DATE 4/ 2/79

TIME (PST) 1030

TAPE: U01166 -025

LONG W 124 53.38

PASS NO.245

STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.8	.8	30.11	6.84	23.59	
1.9	1.9	31.12	6.98	24.37	
4.9	4.9	31.44	6.99	24.62	
10.0	10.0	31.82	7.56	24.84	
14.9	15.0	31.95	7.87	24.90	
19.9	20.0	32.03	8.02	24.94	
24.8	25.0	32.12	8.21	24.99	
29.9	30.1	32.20	8.37	25.02	
34.7	34.9	32.27	8.30	25.09	
39.8	40.0	32.33	8.16	25.15	
44.8	45.0	32.39	8.02	25.22	
49.8	50.1	32.42	8.02	25.24	4.15
59.7	60.0	32.43	8.05	25.25	
69.6	70.0	32.49	8.13	25.29	
74.6	75.0	32.50	8.13	25.30	3.76
80.5	80.9	32.51	8.15	25.30	
89.5	90.0	32.54	8.22	25.31	
100.4	101.0	32.57	8.27	25.33	3.11
110.4	111.1	32.65	8.40	25.37	
120.3	121.0	32.70	8.41	25.41	
125.3	126.0	32.75	8.39	25.45	2.17
130.2	131.0	32.76	8.38	25.46	
140.3	141.1	32.81	8.31	25.51	
150.2	151.1	32.83	8.28	25.53	1.92
160.0	160.9	32.84	8.26	25.54	
170.1	171.1	32.85	8.24	25.56	
179.8	180.9	32.87	8.20	25.57	
189.9	191.1	32.88	8.19	25.58	
199.9	201.1	32.89	8.17	25.59	1.73
224.7	226.1	32.89	8.17	25.59	
250.5	252.1	32.89	8.16	25.60	1.71
270.2	271.9	32.89	8.16	25.60	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 1 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 4/ 2/79
 TIME (PST) 1126

TAPE: U01166 -026
 LONG W 124 51.11
 PASS NO.247
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.5	.5	30.09	7.04	23.55
2.0	2.0	30.93	7.04	24.21
4.9	4.9	31.46	7.02	24.63
9.9	10.0	31.68	7.22	24.77
15.0	15.1	31.86	7.75	24.85
19.8	19.9	32.01	8.02	24.93
24.8	25.0	32.13	8.24	24.99
29.7	29.9	32.24	8.35	25.06
34.7	34.9	32.29	8.37	25.09
39.8	40.0	32.32	8.27	25.13
44.8	45.1	32.37	8.24	25.18
49.8	50.0	32.41	8.22	25.21
59.7	60.0	32.45	8.25	25.24
69.7	70.1	32.50	8.32	25.26
79.6	80.0	32.52	8.33	25.28
89.6	90.1	32.55	8.42	25.29
100.4	101.0	32.59	8.48	25.31
110.4	111.0	32.63	8.52	25.34
120.2	120.9	32.67	8.53	25.37
130.1	130.9	32.74	8.48	25.43
140.1	141.0	32.78	8.41	25.47
150.2	151.1	32.80	8.37	25.49
160.1	161.1	32.81	8.33	25.51
170.0	171.0	32.83	8.29	25.53
180.0	181.1	32.85	8.25	25.55
189.9	191.1	32.87	8.21	25.57
199.8	201.0	32.88	8.19	25.58
224.6	226.0	32.88	8.18	25.59
250.5	252.1	32.89	8.16	25.59
275.2	277.0	32.90	8.15	25.60
278.0	279.8	32.90	8.15	25.60

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 1 ALBERNI PROGRAM
 LAT N 49 5.50
 DATE 4/ 2/79
 TIME (PST) 1153

TAPE: U01166 -027
 LONG W 124 49.50
 PASS NO.249
 STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.2	.2	29.48	7.11	23.06
2.0	2.0	29.56	7.26	23.11
5.0	5.0	30.45	7.40	23.78
10.0	10.0	31.66	7.73	24.69
15.0	15.0	31.83	7.84	24.81
19.9	20.0	31.88	7.90	24.84
24.9	25.0	32.07	8.09	24.96
29.8	29.9	32.09	8.11	24.98
34.8	35.0	32.12	8.13	25.00
39.8	40.0	32.23	8.23	25.07
44.7	45.0	32.32	8.26	25.13
49.8	50.1	32.36	8.27	25.16
59.7	60.0	32.39	8.26	25.19
69.7	70.0	32.39	8.27	25.19
79.5	80.0	32.40	8.27	25.20
89.6	90.1	32.41	8.27	25.21
99.5	100.1	32.42	8.28	25.21
101.1	101.7	32.42	8.28	25.21

CRUISE NO: 1 ALBERNI PROGRAM
 LAT N 49 7.15
 DATE 4/ 2/79
 TIME (PST) 1219

TAPE: U01166 -028
 LONG W 124 48.80
 PASS NO.251
 STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.4	.4	28.29	6.92	22.15	
1.9	1.9	29.84	7.31	23.32	
4.9	4.9	31.14	7.43	24.33	
9.9	10.0	31.59	7.61	24.65	
14.9	15.0	31.76	7.77	24.77	
19.9	20.0	31.89	7.96	24.84	
24.8	24.9	32.00	8.21	24.89	
29.9	30.0	32.06	8.27	24.93	
34.8	35.0	32.10	8.25	24.96	
39.8	40.0	32.13	8.33	24.97	
44.8	45.0	32.15	8.27	25.00	
49.7	50.0	32.16	8.26	25.01	3.90
59.7	60.0	32.18	8.25	25.03	
69.6	70.0	32.22	8.31	25.05	
74.6	75.0	32.25	8.38	25.06	3.36
79.6	80.1	32.27	8.44	25.07	
89.5	90.0	32.29	8.57	25.07	
100.4	101.0	32.30	8.57	25.08	3.25
110.3	111.0	32.31	8.57	25.08	
120.4	121.1	32.32	8.57	25.09	
125.1	125.8	32.32	8.57	25.09	3.20
125.1	125.8	32.32	8.57	25.09	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 1 ALBERNI PROGRAM

LAT N 49 9.91

DATE 4/ 2/79

TIME (PST) 1255

TAPE: UD1166 -029

LONG W 124 48.62

PASS NO.253

STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.6	.6	21.35	6.62	16.73
2.0	2.0	30.32	7.69	23.65
4.9	4.9	31.40	7.79	24.48
9.9	10.0	31.67	7.90	24.67
14.9	15.0	31.81	8.13	24.76
19.9	20.0	31.87	8.13	24.80
24.9	25.0	32.00	8.54	24.84
29.9	30.0	32.11	8.74	24.90
34.8	35.0	32.13	8.56	24.94
39.8	40.0	32.20	8.81	24.96
44.8	45.0	32.23	8.82	24.98
49.7	50.0	32.25	8.80	25.00
59.7	60.1	32.26	8.77	25.01
69.6	70.0	32.27	8.73	25.03
79.6	80.0	32.28	8.70	25.04
89.5	90.0	32.30	8.63	25.06
100.5	101.1	32.31	8.59	25.08
109.4	110.0	32.31	8.58	25.08

CRUISE NO: 1 ALBERNI PROGRAM

LAT N 49 12.16

DATE 4/ 2/79

TIME (PST) 1303

TAPE: UD1166 -030

LONG W 124 49.02

PASS NO.255

STN: A0

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.2	.2	20.09	6.52	15.75
2.0	2.0	27.49	7.37	21.47
5.0	5.0	30.86	7.76	24.06
9.9	10.0	31.67	7.93	24.67
15.0	15.0	31.83	8.30	24.74
19.9	20.0	32.00	8.77	24.81
24.9	25.0	32.10	8.89	24.86
29.8	30.0	32.18	8.97	24.92
34.9	35.1	32.19	8.82	24.95
39.8	40.0	32.21	8.80	24.96
44.9	45.1	32.22	8.80	24.97
49.7	50.0	32.24	8.82	24.99
59.7	60.0	32.26	8.78	25.01
59.7	60.0	32.26	8.78	25.01

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 2 ALBERNI PROGRAM
 LAT N 49 9.91
 DATE 8/ 3/79
 TIME (PST) 0522

TAPE: UD1166 -031
 LONG W 124 48.62
 PASS NO. 33
 STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.0	.0		4.91	
2.0	2.0		4.90	
5.0	5.0		5.99	
10.0	10.0	29.16	6.59	22.87
15.0	15.0	29.54	6.65	23.16
19.9	20.0	29.86	6.74	23.41
24.9	25.0	30.09	6.89	23.57
29.9	30.0	30.36	7.01	23.76
34.9	35.0	30.75	7.31	24.03
39.8	40.0	30.96	7.59	24.16
44.8	45.0	31.35	7.85	24.43
49.8	50.0	31.65	8.13	24.63
60.2	60.5	31.89	8.36	24.78
70.2	70.5	32.01	8.50	24.85
80.1	80.5	32.14	8.56	24.95
90.1	90.5	32.16	8.54	24.96
100.0	100.5	32.17	8.52	24.98
103.5	104.0	32.18	8.52	24.98

CRUISE NO: 2 ALBERNI PROGRAM
 LAT N 49 7.15
 DATE 8/ 3/79
 TIME (PST) 0553

TAPE: UD1166 -032
 LONG W 124 48.80
 PASS NO. 5
 STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.0	.0		5.11		
2.0	2.0		5.19		
5.0	5.0		6.10		
10.0	10.0	29.32	6.58	23.00	
15.0	15.0	29.64	6.66	23.25	
19.9	20.0	29.95	6.76	23.47	
24.9	25.0	30.21	6.93	23.66	
29.9	30.0	30.38	7.04	23.78	
34.9	35.0	30.62	7.23	23.94	
39.8	40.0	30.96	7.49	24.17	
44.8	45.0	31.24	7.74	24.36	
49.8	50.0	31.57	8.05	24.57	4.20
60.2	60.5	31.95	8.39	24.83	
70.2	70.5	32.14	8.56	24.95	
75.2	75.5	32.18	8.57	24.98	2.73
80.1	80.5	32.20	8.52	25.00	
90.1	90.5	32.22	8.48	25.02	
100.0	100.5	32.23	8.46	25.03	3.07
109.9	110.5	32.23	8.46	25.03	
119.9	120.5	32.23	8.48	25.03	
122.4	123.0	32.24	8.48	25.04	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 2 ALBERNI PROGRAM

LAT N 49 5.50

DATE 8/ 3/79

TIME (PST) 0655

TAPE: U01166 -033

LONG W 124 49.50

PASS NO. 7

STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.0	.0		5.27	
2.0	2.0		5.30	
5.0	5.0		5.97	
10.0	10.0		6.46	
15.0	15.0	29.64	6.42	23.27
19.9	20.0	29.88	6.58	23.44
24.9	25.0	30.24	6.86	23.69
29.9	30.0	30.44	7.01	23.83
34.9	35.0	30.77	7.27	24.05
39.8	40.0	30.95	7.46	24.17
44.8	45.0	31.03	7.52	24.22
49.8	50.0	31.24	7.62	24.38
60.2	60.5	31.47	7.80	24.53
70.2	70.5	31.54	7.88	24.58
80.1	80.5	31.61	7.94	24.62
90.1	90.5	31.64	7.97	24.64
100.0	100.5	31.65	7.99	24.65
109.5	110.0	31.66	8.00	24.65

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 2 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 8/ 3/79
 TIME (PST) 0723

TAPE: U01166 -034
 LONG W 124 51.11
 PASS NO. 9
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.0	.0		4.96	
2.0	2.0		4.96	
5.0	5.0		6.13	
10.0	10.0		6.61	
15.0	15.0	29.55	6.38	23.21
19.9	20.0	29.80	6.40	23.40
24.9	25.0	30.12	6.52	23.64
29.9	30.0	30.52	6.66	23.94
34.9	35.0	30.76	7.05	24.07
39.8	40.0	30.97	7.32	24.20
44.8	45.0	31.22	7.57	24.37
49.8	50.0	31.43	7.75	24.51
60.2	60.5	31.73	7.78	24.74
70.2	70.5	31.99	7.99	24.92
80.1	80.5	32.15	8.11	25.02
90.1	90.5	32.31	8.21	25.13
100.0	100.5	32.46	8.33	25.24
109.9	110.5	32.53	8.40	25.28
119.9	120.5	32.61	8.42	25.34
129.8	130.5	32.63	8.42	25.35
140.2	141.0	32.66	8.41	25.38
150.2	151.0	32.67	8.37	25.39
160.1	161.0	32.71	8.36	25.42
170.0	171.0	32.72	8.34	25.43
180.0	181.0	32.73	8.31	25.45
189.9	191.0	32.74	8.29	25.46
199.8	201.0	32.75	8.27	25.47
219.7	221.0	32.75	8.21	25.48

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 2 ALBERNI PROGRAM

LAT N 48 59.58

DATE 8/ 3/79

TIME (PST) 0806

TAPE: U01166 -035

LONG W 124 53.38

PASS NO. 11

STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.0	.0		5.28		
2.0	2.0		5.74		
5.0	5.0		6.63		
10.0	10.0	29.26	6.57	22.95	
15.0	15.0	29.61	6.49	23.24	
19.9	20.0	29.83	6.53	23.41	
24.9	25.0	29.99	6.51	23.54	
29.9	30.0	30.28	6.59	23.75	
34.9	35.0	30.55	6.76	23.95	
39.8	40.0	30.88	7.11	24.16	
44.8	45.0	31.07	7.29	24.29	
49.8	50.0	31.27	7.49	24.42	5.07
60.2	60.5	31.66	7.57	24.71	
70.2	70.5	31.96	7.75	24.92	
75.2	75.5	32.00	7.78	24.95	4.35
80.1	80.5	32.10	7.84	25.02	
90.1	90.5	32.23	8.04	25.10	
100.0	100.5	32.33	8.15	25.16	3.75
109.9	110.5	32.42	8.27	25.21	
119.9	120.5	32.49	8.30	25.26	
124.9	125.5	32.51	8.29	25.28	2.95
129.8	130.5	32.52	8.30	25.29	
140.3	141.0	32.57	8.26	25.33	
150.2	151.0	32.66	8.26	25.40	2.43
160.1	161.0	32.67	8.26	25.41	
170.1	171.0	32.68	8.25	25.41	
180.0	181.0	32.69	8.24	25.43	
189.9	191.0	32.71	8.24	25.45	
199.9	201.0	32.73	8.23	25.46	1.79
225.2	226.5	32.73	8.22	25.46	
250.0	251.5	32.73	8.22	25.46	1.72
274.8	276.5	32.72	8.22	25.45	
300.1	302.0	32.71	8.23	25.44	1.71
323.0	325.0	32.70	8.23	25.43	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 2 ALBERNI PROGRAM
 LAT N 48 58.78
 DATE 8/ 3/79
 TIME (PST) 0935

TAPE: U01166 -036
 LONG W 124 57.80
 PASS NO. 13
 STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.0	.0		5.47	
2.0	2.0		5.60	
5.0	5.0		6.53	
10.0	10.0		6.75	
15.0	15.0	29.66	6.55	23.27
19.9	20.0	29.98	6.58	23.52
24.9	25.0	30.19	6.58	23.69
29.9	30.0	30.49	6.74	23.90
34.9	35.0	30.87	7.00	24.17
39.8	40.0	31.04	7.10	24.29
44.8	45.0	31.19	7.20	24.39
49.8	50.0	31.25	7.25	24.43
60.2	60.5	31.49	7.37	24.60
70.2	70.5	31.75	7.57	24.79
80.1	80.5	31.96	7.72	24.93
90.1	90.5	32.12	7.86	25.04
100.0	100.5	32.25	7.99	25.12
109.9	110.5	32.34	8.09	25.17
119.9	120.5	32.42	8.14	25.23
129.8	130.5	32.51	8.21	25.29
139.8	140.5	32.57	8.22	25.33
150.2	151.0	32.60	8.24	25.36
160.1	161.0	32.65	8.24	25.39
161.1	162.0	32.65	8.24	25.39

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 2 ALBERNI PROGRAM

LAT N 48 57.02

DATE 8/ 3/79

TIME (PST) 1012

TAPE: U01166 -037

LONG W 125 1.30

PASS NO. 15

STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.0	.0		5.45		
2.0	2.0		5.46		
5.0	5.0		6.49		
10.0	10.0	29.44	6.79	23.07	
15.0	15.0	29.79	6.63	23.36	
19.9	20.0	30.08	6.64	23.60	
24.9	25.0	30.20	6.65	23.69	
29.9	30.0	30.40	6.68	23.84	
34.9	35.0	30.53	6.80	23.93	
39.8	40.0	30.91	7.03	24.20	
44.8	45.0	31.09	7.12	24.33	
49.8	50.0	31.18	7.16	24.39	5.62
60.2	60.5	31.46	7.35	24.59	
70.2	70.5	31.85	7.56	24.86	
75.2	75.5	32.05	7.69	25.00	4.43
80.1	80.5	32.07	7.76	25.01	
90.1	90.5	32.23	7.89	25.12	
100.0	100.5	32.33	7.93	25.19	2.63
109.9	110.5	32.43	8.08	25.25	
119.9	120.5	32.51	8.14	25.30	
124.8	125.5	32.53	8.15	25.32	3.48
129.8	130.5	32.58	8.19	25.35	
140.2	141.0	32.59	8.20	25.36	
150.2	151.0	32.64	8.22	25.39	2.16
160.1	161.0	32.67	8.22	25.41	
161.1	162.0	32.67	8.22	25.41	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 2 ALBERNI PROGRAM
 LAT N 48 53.78
 DATE 8/ 3/79
 TIME (PST) 1110

TAPE: U01166 -038
 LONG W 125 3.05
 PASS NO. 17
 STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.0	.0		5.84	
2.0	2.0		6.60	
5.0	5.0		6.88	
10.0	10.0	29.38	6.89	23.01
15.0	15.0	29.68	6.77	23.26
19.9	20.0	30.20	6.73	23.68
24.9	25.0	30.35	6.77	23.79
29.9	30.0	30.54	6.82	23.93
34.9	35.0	30.58	6.83	23.96
39.8	40.0	30.72	6.85	24.07
44.8	45.0	30.85	6.88	24.17
49.8	50.0	31.02	6.93	24.29
60.2	60.5	31.33	7.18	24.51
70.2	70.5	31.81	7.52	24.84
80.1	80.5	32.05	7.67	25.01
90.1	90.5	32.16	7.80	25.08
100.0	100.5	32.29	7.94	25.16
109.9	110.5	32.39	8.05	25.22
119.9	120.5	32.49	8.12	25.29
129.8	130.5	32.55	8.19	25.33
140.3	141.0	32.59	8.22	25.35
150.2	151.0	32.62	8.23	25.37
160.1	161.0	32.63	8.24	25.38
170.1	171.0	32.65	8.24	25.39
173.0	174.0	32.65	8.23	25.40

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 2 ALBERNI PROGRAM

LAT N 48 51.50

DATE 8/ 3/79

TIME (PST) 1146

TAPE: U01166 -039

LONG W 125 8.10

PASS NO. 19

STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.0	.0		6.38		
2.0	2.0		6.74		
5.0	5.0		6.88		
10.0	10.0	29.71	6.82	23.28	
15.0	15.0	30.29	7.26	23.68	
19.9	20.0	30.39	7.15	23.77	
24.9	25.0	30.58	7.33	23.90	
29.9	30.0	30.76	7.45	24.02	
34.9	35.0	30.81	7.31	24.08	
39.8	40.0	30.93	7.41	24.16	
44.8	45.0	30.89	7.25	24.15	
49.8	50.0	31.12	7.00	24.36	6.09
60.2	60.5	31.57	7.28	24.69	
70.2	70.5	31.97	7.61	24.95	
75.1	75.5	32.01	7.67	24.98	4.36
80.1	80.5	32.06	7.71	25.01	
90.1	90.5	32.23	7.84	25.12	
100.0	100.5	32.38	8.00	25.22	3.21
109.9	110.5	32.47	8.12	25.27	
119.9	120.5	32.54	8.26	25.30	
123.4	124.0	32.56	8.30	25.31	

CRUISE NO: 2 ALBERNI PROGRAM

LAT N 48 48.20

DATE 8/ 3/79

TIME (PST) 1235

TAPE: U01166 -040

LONG W 125 14.40

PASS NO. 21

STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.0	.0		7.19	
2.0	2.0	29.01	7.05	22.70
5.0	5.0	29.75	7.20	23.26
10.0	10.0	30.03	7.89	23.39
14.9	15.0	30.48	8.00	23.73
19.9	20.0	30.85	8.14	24.00
24.9	25.0	30.97	8.15	24.09
29.9	30.0	31.04	7.81	24.19
34.9	35.0	31.10	7.42	24.29
39.8	40.0	31.47	8.15	24.48
40.8	41.0	31.50	8.13	24.51

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 2 ALBERNI PROGRAM

LAT N 48 57.72

DATE 8/ 3/79

TIME (PST) 1405

TAPE: UD1166 -041

LONG W 125 4.48

PASS NO. 23

STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.0	.0		6.30	
2.0	2.0		6.30	
5.0	5.0		6.81	
10.0	10.0	29.61	6.81	23.20
15.0	15.0	29.84	6.74	23.39
19.9	20.0	30.23	6.83	23.69
24.9	25.0	30.35	6.85	23.78
29.9	30.0	30.56	6.96	23.93
34.9	35.0	30.80	7.02	24.11
39.8	40.0	30.83	7.20	24.11
44.8	45.0	31.04	7.15	24.28
49.8	50.0	31.16	7.25	24.36
51.8	52.0	31.18	7.24	24.38

CRUISE NO: 2 ALBERNI PROGRAM

LAT N 48 58.20

DATE 8/ 3/79

TIME (PST) 1426

TAPE: UD1166 -042

LONG W 125 7.80

PASS NO. 25

STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.0	.0		6.68		
2.0	2.0		6.67		
5.0	5.0		6.75		
10.0	10.0	29.54	6.69	23.16	
15.0	15.0	29.94	6.74	23.47	
19.9	20.0	30.22	6.88	23.67	
24.9	25.0	30.49	6.86	23.89	
29.9	30.0	30.61	6.90	23.97	
34.9	35.0	30.78	6.97	24.10	
39.8	40.0	30.94	7.02	24.22	
44.8	45.0	31.09	7.05	24.33	
49.8	50.0	31.26	7.18	24.45	5.79
60.2	60.5	31.52	7.37	24.63	
70.2	70.5	31.78	7.54	24.81	
75.1	75.5	31.91	7.65	24.90	4.54
80.1	80.5	31.95	7.68	24.93	
88.6	89.0	32.01	7.75	24.96	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 2 ALBERNI PROGRAM

LAT N 48 54.15

DATE 8/ 3/79

TIME (PST) 1514

TAPE: UD1166 -043

LONG W 125 12.95

PASS NO. 27

STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.0	.0		7.10	
2.0	2.0		7.27	
5.0	5.0		7.23	
10.0	10.0		7.27	
15.0	15.0	30.01	6.94	23.50
19.9	20.0	30.28	7.04	23.70
24.9	25.0	30.59	7.05	23.94
29.9	30.0	30.85	7.30	24.11
34.9	35.0	30.99	7.60	24.18
39.8	40.0	31.13	7.56	24.30
44.8	45.0	31.33	7.57	24.46
49.8	50.0	31.49	7.56	24.58
60.2	60.5	31.69	7.54	24.74
70.2	70.5	31.91	7.66	24.90
80.1	80.5	32.01	7.74	24.97
85.6	86.0	32.11	7.80	25.03

CRUISE NO: 2 ALBERNI PROGRAM

LAT N 48 50.05

DATE 8/ 3/79

TIME (PST) 1545

TAPE: UD1166 -044

LONG W 125 15.80

PASS NO. 29

STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.0	.0		7.29		
2.0	2.0		7.31		
5.0	5.0	29.05	7.25	22.70	
10.0	10.0	29.41	7.49	22.96	
15.0	15.0	30.12	7.22	23.55	
19.9	20.0	30.20	7.62	23.56	
24.9	25.0	30.64	7.94	23.86	
29.9	30.0	30.85	8.02	24.01	
34.9	35.0	30.93	7.93	24.09	
39.8	40.0	31.17	8.02	24.27	
44.8	45.0	31.53	8.05	24.55	
49.8	50.0	31.56	8.06	24.57	6.32
60.2	60.5	31.65	8.10	24.63	
70.2	70.5	31.82	8.04	24.77	
75.1	75.5	31.94	7.98	24.88	6.29
80.1	80.5	32.08	7.86	25.00	
85.1	85.5	32.21	7.88	25.10	6.10
90.1	90.5	32.42	7.93	25.26	
90.6	91.0	32.43	7.93	25.27	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 3 ALBERNI PROGRAM

LAT N 48 57.02

DATE 18/ 4/79

TIME (PST) 2009

TAPE: U01166 -045

LONG W 125 1.30

PASS NO. 1

STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.1	.1		9.71		
2.1	2.1		9.08		
5.0	5.0	30.10	8.36	23.38	
10.0	10.0	31.42	8.05	24.46	
14.9	15.0	31.58	8.03	24.58	
19.9	20.0	31.68	7.96	24.68	
24.9	25.0	31.77	7.97	24.74	
29.8	29.9	31.84	7.93	24.81	
34.9	35.0	31.87	7.91	24.83	
39.8	40.0	31.99	7.84	24.93	
44.7	44.9	32.05	7.82	24.99	
49.8	50.0	32.20	7.90	25.09	5.21
59.7	60.0	32.30	7.96	25.16	
69.6	70.0	32.39	8.03	25.22	
74.7	75.1	32.43	8.08	25.24	5.07
80.4	80.9	32.46	8.12	25.26	
89.5	90.0	32.49	8.14	25.28	
100.5	101.1	32.52	8.16	25.30	5.23
110.4	111.0	32.55	8.18	25.32	
120.3	121.0	32.57	8.19	25.34	
125.3	126.0	32.58	8.19	25.35	5.26
130.2	131.0	32.59	8.19	25.36	
140.2	141.0	32.59	8.19	25.36	
150.1	151.0	32.61	8.19	25.37	5.15
160.1	161.1	32.62	8.20	25.38	
170.0	171.0	32.62	8.20	25.38	
180.0	181.0	32.62	8.20	25.38	
186.8	187.9	32.63	8.20	25.38	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 3 ALBERNI PROGRAM
 LAT N 48 53.78
 DATE 18/ 4/79
 TIME (PST) 2106

TAPE: U01166 -046
 LONG W 125 3.05
 PASS NO. 2
 STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.2	.2	23.39	9.70	17.95
2.1	2.1	25.52	9.50	19.64
5.0	5.0	30.72	8.37	23.87
9.9	10.0	31.45	8.08	24.48
15.0	15.0	31.63	8.11	24.61
19.9	20.0	31.74	8.05	24.71
24.9	25.0	31.79	8.02	24.75
29.9	30.0	31.89	7.85	24.86
34.9	35.0	31.94	7.83	24.90
39.8	39.9	31.99	7.83	24.94
44.7	44.9	32.08	7.82	25.01
49.8	50.0	32.18	7.87	25.08
59.7	60.0	32.33	7.98	25.19
69.7	70.0	32.40	8.04	25.23
79.7	80.1	32.45	8.07	25.26
90.5	91.0	32.47	8.09	25.27
100.4	101.0	32.51	8.15	25.30
110.4	111.0	32.55	8.19	25.32
120.3	121.0	32.58	8.21	25.34
130.2	131.0	32.59	8.22	25.35
140.2	141.0	32.59	8.22	25.35
150.2	151.0	32.60	8.23	25.36
160.0	161.0	32.61	8.23	25.36
170.0	171.0	32.61	8.23	25.37
172.7	173.8	32.61	8.23	25.37

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 3 ALBERNI PROGRAM
 LAT N 48 51.50
 DATE 18/ 4/79
 TIME (PST) 2148

TAPE: U01166 -047
 LONG W 125 8.10
 PASS NO. 5
 STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.1	.1	26.07	9.43	20.07	
2.0	2.0	27.50	9.33	21.21	
5.0	5.0	30.84	8.61	23.92	
10.0	10.0	31.65	8.21	24.62	
15.0	15.0	31.73	8.17	24.68	
19.9	19.9	31.79	8.12	24.74	
24.9	25.0	31.81	8.08	24.76	
29.8	30.0	31.91	8.06	24.84	
34.8	35.0	32.02	8.00	24.94	
39.9	40.1	32.08	7.93	24.99	
44.8	45.0	32.16	7.90	25.06	
49.8	50.0	32.24	7.92	25.12	3.90
59.8	60.1	32.33	7.97	25.19	
69.6	70.0	32.41	8.04	25.24	
74.6	75.0	32.43	8.05	25.25	3.76
79.5	80.0	32.47	8.08	25.28	
90.4	90.9	32.51	8.12	25.31	
100.4	101.0	32.53	8.15	25.32	3.87
110.3	110.9	32.56	8.18	25.34	
119.1	119.8	32.59	8.20	25.35	

CRUISE NO: 3 ALBERNI PROGRAM
 LAT N 48 48.20
 DATE 18/ 4/79
 TIME (PST) 2238

TAPE: U01166 -048
 LONG W 125 14.40
 PASS NO. 7
 STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.0	2.1	30.85	8.65	23.93
4.9	5.0	31.30	8.47	24.30
10.0	10.0	31.65	8.28	24.61
15.0	15.0	31.77	8.21	24.71
20.1	20.2	31.88	8.15	24.81
24.9	25.1	32.02	8.11	24.92
29.8	30.0	32.06	8.20	24.94
34.8	35.0	32.12	8.19	24.98
37.7	37.9	32.11	8.18	24.98

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 3 ALBERNI PROGRAM

LAT N 48 50.05

DATE 18/ 4/79

TIME (PST) 2303

TAPE: UD1166 -049

LONG W 125 15.80

PASS NO. 9

STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.1	.1	30.68	8.67	23.79	
3.8	3.8	31.37	8.41	24.37	
4.9	4.9	31.45	8.39	24.43	
10.1	10.2	31.62	8.26	24.58	
14.9	15.0	31.66	8.24	24.62	
19.8	19.9	31.81	8.16	24.75	
24.9	25.1	31.93	8.11	24.85	
29.8	30.0	32.10	8.06	24.99	
34.9	35.0	32.13	8.05	25.01	
39.7	39.9	32.19	8.06	25.06	
44.8	45.0	32.21	8.05	25.08	
49.7	49.9	32.22	8.01	25.09	5.70
59.8	60.1	32.30	8.04	25.15	
69.6	70.0	32.46	8.10	25.27	
74.5	74.9	32.48	8.10	25.28	5.39
80.5	80.9	32.51	8.08	25.31	
90.3	90.8	32.51	8.07	25.31	5.39
96.6	97.1	32.52	8.06	25.32	

CRUISE NO: 3 ALBERNI PROGRAM

LAT N 48 54.15

DATE 18/ 4/79

TIME (PST) 2354

TAPE: UD1166 -050

LONG W 125 12.95

PASS NO. 11

STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.2	.2	27.72	9.52	21.35
2.0	2.0	28.26	9.44	21.78
5.0	5.0	31.01	8.51	24.07
10.0	10.0	31.55	8.16	24.54
14.9	15.0	31.63	8.05	24.63
19.9	19.9	31.79	8.17	24.73
24.8	24.9	31.88	8.15	24.80
29.8	29.9	31.95	8.11	24.86
34.9	35.1	32.00	8.05	24.91
39.8	40.0	32.03	7.87	24.97
44.8	45.0	32.12	7.88	25.03
49.7	50.0	32.19	7.92	25.08
59.6	59.9	32.30	7.98	25.16
69.5	69.9	32.46	8.11	25.27
79.5	80.0	32.55	8.17	25.33
90.4	90.9	32.60	8.16	25.37
99.4	100.0	32.66	8.15	25.41

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 3 ALBERNI PROGRAM
 LAT N 48 58.20
 DATE 19/ 4/79
 TIME (PST) 0042

TAPE: U01166 -051
 LONG W 125 7.80
 PASS NO. 13
 STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.2	.2	25.98	9.80	19.95	
2.0	2.0	26.83	9.66	20.63	
5.0	5.0	29.67	8.93	22.96	
10.0	10.0	31.36	8.31	24.37	
15.0	15.1	31.67	8.13	24.64	
20.0	20.1	31.74	8.13	24.70	
24.8	25.0	31.78	8.08	24.74	
29.8	30.0	31.83	8.09	24.78	
34.9	35.0	31.94	7.88	24.89	
39.8	40.0	31.99	7.83	24.94	
44.9	45.1	32.10	7.88	25.02	
49.8	50.0	32.16	7.90	25.06	5.17
59.7	60.0	32.33	8.01	25.18	
69.7	70.0	32.45	8.09	25.26	
74.6	75.0	32.52	8.14	25.31	5.19
79.6	80.0	32.55	8.15	25.33	
89.5	90.0	32.61	8.18	25.37	5.25
92.2	92.7	32.64	8.19	25.40	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 3 ALBERNI PROGRAM
 LAT N 48 57.72
 DATE 19/ 4/79
 TIME (PST) 0125

TAPE: U01166 -052
 LONG W 125 4.48
 PASS NO. 15
 STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.3	.3	18.50	9.81	14.13
1.9	1.9	22.16	10.04	16.94
5.0	5.0	30.28	8.55	23.50
10.1	10.1	31.39	8.10	24.43
15.0	15.0	31.59	8.06	24.59
20.0	20.1	31.73	8.04	24.70
25.0	25.1	31.77	8.00	24.74
29.8	30.0	31.86	7.96	24.82
34.8	35.0	31.95	7.91	24.90
39.8	40.0	32.08	7.90	25.00
44.8	45.0	32.13	7.90	25.04
49.7	49.9	32.17	7.92	25.07
59.8	60.1	32.30	7.96	25.16
69.6	70.0	32.48	8.12	25.28
79.6	80.0	32.50	8.12	25.29
90.5	91.0	32.59	8.17	25.36
100.4	101.0	32.61	8.19	25.37
110.3	110.9	32.62	8.19	25.38
120.3	121.0	32.63	8.19	25.39
130.2	131.0	32.64	8.19	25.39
140.2	141.0	32.64	8.19	25.39
150.1	151.0	32.64	8.19	25.40
160.0	161.0	32.64	8.19	25.40
170.0	171.0	32.65	8.19	25.40
171.0	172.1	32.65	8.19	25.40

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 3 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 19/ 4/79
 TIME (PST) 0158

TAPE: U01166 -053
 LONG W 125 1.30
 PASS NO. 17
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.5	.5	21.75	9.61	16.68	
2.3	2.3	22.90	9.48	17.60	
5.0	5.0	30.45	8.25	23.67	
10.0	10.0	31.44	8.04	24.48	
15.0	15.0	31.61	8.00	24.61	
19.9	20.0	31.72	8.00	24.70	
24.9	25.0	31.77	7.98	24.74	
29.8	30.0	31.89	7.90	24.85	
34.9	35.1	31.96	7.85	24.91	
39.8	40.0	32.03	7.80	24.97	
44.7	45.0	32.09	7.83	25.02	
49.8	50.0	32.19	7.89	25.09	5.28
59.7	60.0	32.31	7.96	25.17	
69.6	70.0	32.42	8.07	25.24	
79.5	80.0	32.44	8.09	25.25	
89.6	90.1	32.47	8.12	25.27	
100.4	101.0	32.52	8.16	25.31	
110.4	111.0	32.56	8.19	25.33	
120.3	121.0	32.58	8.19	25.35	
130.2	131.0	32.59	8.18	25.35	
140.2	141.0	32.60	8.19	25.36	
150.1	151.0	32.61	8.19	25.37	
160.0	161.0	32.62	8.20	25.38	
170.0	171.0	32.63	8.20	25.38	
179.8	180.9	32.63	8.20	25.38	
189.5	190.7	32.64	8.21	25.39	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 3 ALBERNI PROGRAM
 LAT N 48 58.78
 DATE 19/ 4/79
 TIME (PST) 0239

TAPE: U01166 -054
 LONG W 124 57.80
 PASS NO. 19
 STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.1	.1	14.46	9.34	11.05
2.5	2.5	22.64	9.30	17.42
5.0	5.0	30.34	8.12	23.61
10.1	10.1	31.46	7.99	24.50
15.0	15.0	31.63	7.98	24.64
20.0	20.1	31.73	7.95	24.71
25.0	25.0	31.77	7.95	24.74
29.9	30.0	31.83	7.91	24.80
34.8	34.9	31.92	7.81	24.89
39.8	40.0	32.04	7.83	24.98
44.8	45.0	32.09	7.83	25.02
49.8	50.0	32.16	7.86	25.06
59.7	60.0	32.30	7.95	25.17
69.6	70.0	32.38	8.00	25.22
79.6	80.0	32.44	8.05	25.26
89.6	90.0	32.48	8.11	25.28
100.5	101.0	32.52	8.14	25.31
110.3	111.0	32.56	8.19	25.33
120.3	121.0	32.58	8.21	25.35
130.3	131.0	32.60	8.23	25.36
140.2	141.0	32.61	8.23	25.37
150.1	151.0	32.63	8.23	25.38
160.0	161.0	32.64	8.22	25.39
169.9	170.9	32.65	8.22	25.40
173.8	174.8	32.66	8.22	25.40

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 3 ALBERNI PROGRAM
 LAT N 48 59.58
 DATE 19/ 4/79
 TIME (PST) 0328

TAPE: U01166 -055
 LONG W 124 53.38
 PASS NO. 21
 STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.3	.3	20.29	8.87	15.64	
2.0	2.0	23.07	8.82	17.82	
5.0	5.0	29.06	8.19	22.59	
9.9	9.9	31.20	7.99	24.29	
14.9	15.0	31.55	7.95	24.57	
19.9	20.0	31.64	7.94	24.65	
24.8	24.9	31.76	7.91	24.74	
29.9	30.0	31.80	7.85	24.79	
34.9	35.1	31.87	7.79	24.85	
39.9	40.1	31.92	7.78	24.89	
44.8	45.0	32.06	7.92	24.98	
49.7	50.0	32.09	7.87	25.01	4.45
59.7	60.0	32.25	7.93	25.13	
69.7	70.0	32.39	8.01	25.22	
74.6	75.0	32.42	8.04	25.24	4.54
79.6	80.0	32.44	8.06	25.26	
89.6	90.1	32.48	8.09	25.28	
100.4	100.9	32.51	8.13	25.30	4.44
110.4	111.0	32.55	8.19	25.33	
120.4	121.0	32.58	8.21	25.34	
125.3	126.0	32.58	8.21	25.35	4.61
130.2	130.9	32.59	8.22	25.35	
140.2	141.0	32.62	8.23	25.37	
150.2	151.1	32.63	8.23	25.38	4.23
160.1	161.0	32.65	8.24	25.40	
170.1	171.1	32.69	8.24	25.42	
180.0	181.1	32.72	8.24	25.45	
189.9	191.0	32.74	8.24	25.47	
199.8	201.0	32.75	8.24	25.48	1.92
224.7	226.0	32.76	8.24	25.48	
250.5	252.0	32.77	8.24	25.49	1.76
275.3	277.0	32.77	8.24	25.49	1.78
290.1	291.9	32.77	8.25	25.49	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 3 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 19/ 4/79
 TIME (PST) 0453

TAPE: U01166 -056
 LONG W 124 51.11
 PASS NO. 23
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.2	.2	12.54	8.22	9.67
2.0	2.0	16.44	8.94	12.63
5.0	5.0	29.27	8.09	22.77
10.1	10.1	31.30	7.85	24.39
15.0	15.0	31.54	7.88	24.58
19.9	19.9	31.72	7.87	24.72
25.0	25.0	31.76	7.90	24.75
29.9	30.0	31.87	7.98	24.83
34.9	35.0	31.99	7.99	24.92
39.8	39.9	32.09	8.01	24.99
44.7	44.9	32.15	8.01	25.03
49.7	49.9	32.19	7.90	25.09
59.7	60.0	32.36	8.01	25.20
69.6	69.9	32.43	8.10	25.24
79.6	80.0	32.48	8.14	25.27
89.6	90.1	32.51	8.17	25.30
100.5	101.0	32.53	8.19	25.31
110.4	111.0	32.55	8.20	25.32
120.4	121.1	32.58	8.23	25.34
130.3	131.0	32.59	8.24	25.34
140.2	141.0	32.61	8.28	25.36
150.1	151.0	32.64	8.32	25.38
160.1	161.0	32.66	8.35	25.39
170.1	171.1	32.70	8.34	25.42
179.9	180.9	32.74	8.31	25.45
189.8	190.9	32.76	8.28	25.47
199.8	201.0	32.76	8.26	25.48
224.8	226.1	32.77	8.27	25.48
250.5	252.0	32.77	8.26	25.49
275.2	277.0	32.77	8.26	25.49
288.1	289.9	32.78	8.26	25.49

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 3 ALBERNI PROGRAM

LAT N 49 5.50

DATE 19/ 4/79

TIME (PST) 0543

TAPE: U01166 -057

LONG W 124 49.50

PASS NO. 25

STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.4	.4	13.60	8.59	10.46
2.0	2.0	15.42	8.63	11.87
5.0	5.0	27.79	8.11	21.61
10.0	10.0	31.32	7.88	24.40
15.0	15.0	31.63	7.82	24.66
19.9	20.0	31.75	7.87	24.74
24.9	24.9	31.81	7.92	24.78
29.8	29.9	31.88	7.96	24.83
34.9	35.0	31.97	8.00	24.90
39.9	40.0	32.01	8.01	24.93
44.8	45.0	32.11	8.02	25.00
49.8	50.0	32.14	8.02	25.03
59.7	60.0	32.24	8.02	25.10
69.7	70.0	32.29	8.03	25.14
79.6	80.0	32.30	8.04	25.15
90.6	91.0	32.30	8.04	25.15
100.5	101.0	32.30	8.04	25.15
110.4	110.9	32.31	8.04	25.15
120.0	120.7	32.31	8.04	25.16
120.0	120.7	32.31	8.04	25.16

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 3 ALBERNI PROGRAM
 LAT N 49 7.15
 DATE 19/ 4/79
 TIME (PST) 0609

TAPE: U01166 -058
 LONG W 124 48.80
 PASS NO. 28
 STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.9	.9	13.43	8.64	10.32	
2.0	2.0	16.01	8.71	12.33	
5.1	5.0	29.74	8.02	23.14	
10.0	10.0	31.36	7.92	24.43	
15.0	15.0	31.61	7.92	24.63	
19.9	20.0	31.79	7.95	24.76	
24.9	25.0	31.85	7.97	24.81	
29.9	30.0	31.93	8.00	24.87	
34.9	35.1	31.97	8.01	24.90	
39.8	39.9	31.99	8.05	24.91	
44.8	45.0	32.02	8.11	24.92	
49.9	50.1	32.04	8.08	24.94	3.55
59.7	60.0	32.06	8.04	24.97	
69.6	69.9	32.08	8.04	24.98	
74.7	75.0	32.08	8.04	24.98	3.67
79.6	80.0	32.09	8.03	24.99	
89.5	89.9	32.10	8.03	25.00	
100.4	100.9	32.11	8.03	25.00	3.69
110.4	111.0	32.12	8.03	25.01	
120.3	121.0	32.12	8.03	25.01	
124.4	125.1	32.12	8.03	25.01	3.69
130.4	131.1	32.13	8.03	25.02	
139.3	140.1	32.14	8.04	25.02	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 3 ALBERNI PROGRAM

LAT N 49 9.91

DATE 19/ 4/79

TIME (PST) 0701

TAPE: U01166 -059

LONG W 124 48.62

PASS NO. 29

STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.3	.3	9.45	8.29	7.25
2.1	2.1	11.90	8.72	9.12
5.1	5.0	28.91	7.96	22.51
10.0	10.0	31.24	7.92	24.33
15.0	15.0	31.61	8.02	24.61
20.0	20.0	31.73	8.07	24.70
24.9	25.0	31.85	8.12	24.79
29.8	29.9	31.94	8.16	24.85
34.9	35.0	32.00	8.16	24.89
39.8	40.0	32.02	8.16	24.92
44.8	45.0	32.04	8.10	24.94
49.7	50.0	32.05	8.02	24.95
59.8	60.0	32.06	7.99	24.97
69.7	70.0	32.08	8.00	24.98
79.5	79.9	32.09	8.01	24.99
89.7	90.1	32.11	8.01	25.00
100.4	100.9	32.11	8.02	25.01
110.4	111.0	32.12	8.04	25.01
110.4	111.0	32.12	8.04	25.01

CRUISE NO: 3 ALBERNI PROGRAM

LAT N 49 12.16

DATE 19/ 4/79

TIME (PST) 0727

TAPE: U01166 -060

LONG W 124 49.02

PASS NO. 31

STN: A0

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.2	.2	6.93	8.43	5.27
2.0	2.0	7.45	8.65	5.65
4.9	4.9	28.19	7.96	21.94
10.0	10.0	31.16	7.93	24.27
15.0	15.0	31.52	8.02	24.54
20.0	20.0	31.70	8.07	24.67
24.8	24.9	31.79	8.09	24.74
29.9	30.0	31.87	8.13	24.80
34.8	34.9	31.93	8.16	24.84
39.9	40.0	31.97	8.17	24.87
44.9	45.0	32.00	8.18	24.89
49.9	50.0	32.03	8.16	24.92
59.8	60.0	32.04	8.08	24.94
59.8	60.0	32.04	8.08	24.94

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 4 ALBERNI PROGRAM
 LAT N 49 12.16
 DATE 20/ 5/79
 TIME (PST) 1404

TAPE: U01166 -061
 LONG W 124 49.02
 PASS NO. 21
 STN: A0

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.2	.2	9.26	13.84	6.41
2.0	2.0	13.18	12.83	9.58
5.1	5.1	28.77	9.41	22.18
10.0	10.0	30.86	8.68	23.93
15.0	15.0	31.28	8.40	24.30
19.9	20.0	31.48	8.16	24.49
24.9	24.9	31.65	8.11	24.63
30.0	30.1	32.74	8.27	25.46
34.9	35.0	32.90	8.15	25.60
37.5	37.6	32.98	8.08	25.68

CRUISE NO: 4 ALBERNI PROGRAM
 LAT N 49 9.91
 DATE 20/ 5/79
 TIME (PST) 1431

TAPE: U01166 -062
 LONG W 124 48.62
 PASS NO. 23
 STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.3	.3	8.45	14.48	5.69
2.1	2.0	17.15	11.90	12.79
5.0	5.0	30.35	9.12	23.46
10.0	10.0	31.15	8.68	24.16
15.0	15.0	31.39	8.51	24.37
20.0	20.1	31.50	8.28	24.49
24.9	25.0	31.63	8.18	24.61
30.0	30.1	31.73	8.12	24.69
34.8	34.9	31.81	8.09	24.75
39.8	40.0	31.87	8.09	24.80
44.8	45.0	31.93	8.09	24.85
49.8	50.0	31.96	8.09	24.87
59.8	60.1	31.99	8.08	24.90
69.6	69.9	32.02	8.07	24.93
79.6	80.0	32.05	8.06	24.95
89.6	90.1	32.06	8.05	24.96
92.6	93.0	32.07	8.04	24.97

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 4 ALBERNI PROGRAM

LAT N 49 7.15

DATE 20/ 5/79

TIME (PST) 1511

TAPE: U01166 -063

LONG W 124 48.80

PASS NO. 25

STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.0	2.0	20.50	12.06	15.35	
5.0	5.0	30.31	9.28	23.41	
10.0	10.0	31.32	8.70	24.29	
14.9	15.0	31.55	8.58	24.48	
19.9	20.0	31.66	8.48	24.59	
24.9	25.0	31.82	8.34	24.73	
29.8	29.9	31.88	8.29	24.78	
35.0	35.1	31.91	8.22	24.81	
39.8	40.0	31.94	8.20	24.85	
44.8	45.0	31.97	8.19	24.87	
49.8	50.0	31.99	8.17	24.89	3.24
59.8	60.1	32.03	8.16	24.92	
69.6	69.9	32.05	8.14	24.94	
74.6	75.0	32.06	8.13	24.95	3.38
79.6	80.0	32.07	8.13	24.96	
89.6	90.0	32.08	8.11	24.97	
99.5	100.1	32.09	8.08	24.98	3.58
110.4	111.0	32.09	8.06	24.98	
120.4	121.1	32.09	8.05	24.99	
125.3	126.0	32.09	8.05	24.99	3.28
130.3	131.0	32.09	8.05	24.99	
132.1	132.8	32.10	8.04	24.99	

CRUISE NO: 4 ALBERNI PROGRAM

LAT N 49 5.50

DATE 20/ 5/79

TIME (PST) 1601

TAPE: U01166 -064

LONG W 124 49.50

PASS NO. 27

STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.3	.3	10.53	14.37	7.30
2.1	2.1	15.52	12.85	11.38
5.0	5.0	30.90	9.06	23.90
10.0	10.0	31.43	8.70	24.37
15.0	15.0	31.76	8.40	24.67
20.0	20.0	31.87	8.28	24.78
25.0	25.1	31.96	8.16	24.87
29.9	30.0	32.02	8.12	24.92
34.9	35.0	32.08	8.09	24.97
39.8	40.0	32.22	8.04	25.08
44.8	44.9	32.25	8.04	25.11
49.8	50.0	32.25	8.04	25.11
59.7	60.0	32.26	8.04	25.12
69.6	70.0	32.32	8.05	25.17
79.7	80.1	32.32	8.05	25.16
89.5	90.0	32.33	8.05	25.17
100.5	101.0	32.34	8.06	25.18
101.4	101.9	32.34	8.06	25.18

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 4 ALBERNI PROGRAM

LAT N 49 2.70

DATE 20/ 5/79

TIME (PST) 1640

TAPE: U01166 -065

LONG W 124 51.11

PASS NO. 30

STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.5	.5	18.38	12.71	13.61
2.0	2.0	25.64	10.86	19.52
4.9	4.9	30.55	9.31	23.59
9.9	9.9	31.47	8.86	24.38
15.0	15.1	31.65	8.41	24.59
19.9	20.0	31.82	8.15	24.75
25.0	25.1	31.98	8.10	24.89
29.8	29.9	32.07	8.04	24.97
34.8	35.0	32.16	8.02	25.04
39.8	40.0	32.26	8.01	25.13
44.8	45.1	32.37	8.04	25.20
49.7	50.0	32.42	8.07	25.24
59.7	60.0	32.45	8.09	25.26
69.6	69.9	32.48	8.11	25.28
79.6	80.0	32.50	8.12	25.29
90.5	91.0	32.51	8.15	25.30
100.4	101.0	32.52	8.16	25.31
110.4	111.0	32.54	8.18	25.32
120.3	121.0	32.56	8.21	25.33
130.2	131.0	32.58	8.24	25.35
140.2	141.0	32.61	8.26	25.36
150.1	151.0	32.63	8.27	25.38
160.1	161.0	32.67	8.28	25.41
170.1	171.1	32.69	8.28	25.42
179.9	181.0	32.71	8.27	25.44
189.8	190.9	32.73	8.26	25.45
199.8	201.0	32.73	8.25	25.46
224.6	225.9	32.74	8.25	25.46
250.5	252.0	32.74	8.26	25.46
275.3	277.1	32.74	8.26	25.46
276.1	277.8	32.74	8.26	25.46

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 4 ALBERNI PROGRAM
 LAT N 48 59.58
 DATE 20/ 5/79
 TIME (PST) 1728

TAPE: U01166 -066
 LONG W 124 53.38
 PASS NO. 32
 STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.2	.2	19.12	12.92	14.15	
2.0	2.0	29.62	9.81	22.79	
5.0	5.1	30.79	9.46	23.76	
10.0	10.1	31.43	9.07	24.31	
15.0	15.0	31.70	8.23	24.65	
19.8	19.9	31.80	8.12	24.75	
24.8	24.9	31.91	8.06	24.84	
29.9	30.1	31.99	8.03	24.91	
34.9	35.0	32.09	8.01	24.99	
39.8	40.0	32.16	8.01	25.04	
44.8	45.1	32.28	8.02	25.14	
49.7	50.0	32.35	8.04	25.19	4.13
59.6	59.9	32.45	8.09	25.26	
69.6	70.0	32.48	8.11	25.28	
74.5	74.9	32.49	8.12	25.29	4.07
79.5	79.9	32.50	8.12	25.29	
90.4	90.9	32.51	8.14	25.30	
100.5	101.0	32.53	8.15	25.31	4.17
110.4	111.0	32.53	8.16	25.32	
120.4	121.1	32.55	8.17	25.32	
125.2	126.0	32.55	8.18	25.33	4.09
130.2	131.0	32.56	8.18	25.33	
140.2	141.0	32.58	8.19	25.35	
150.1	151.0	32.59	8.20	25.35	3.79
160.1	161.0	32.61	8.21	25.37	
170.0	171.0	32.64	8.22	25.39	
179.9	181.0	32.66	8.23	25.41	
189.8	190.9	32.69	8.24	25.42	
199.8	201.0	32.73	8.25	25.46	2.10
224.6	226.0	32.73	8.25	25.46	
250.4	251.9	32.73	8.25	25.46	1.93
275.2	277.0	32.74	8.26	25.46	
300.1	302.0	32.73	8.26	25.46	1.91
324.9	327.0	32.74	8.26	25.46	
338.9	341.2	32.73	8.26	25.46	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 4 ALBERNI PROGRAM

LAT N 48 58.78

DATE 20/ 5/79

TIME (PST) 1841

TAPE: U01166 -067

LONG W 124 57.80

PASS NO. 34

STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.5	.5	16.16	14.26	11.63
2.0	2.0	19.76	13.08	14.61
5.0	4.9	30.75	9.59	23.71
10.0	10.0	31.53	8.69	24.45
15.0	15.1	31.73	8.28	24.67
20.0	20.0	31.87	8.20	24.79
24.9	25.0	31.94	8.09	24.86
29.8	30.0	32.03	8.06	24.94
34.9	35.0	32.13	8.08	25.01
39.8	40.0	32.25	8.07	25.11
44.8	45.0	32.33	8.07	25.17
49.8	50.0	32.38	8.08	25.21
59.8	60.1	32.45	8.09	25.26
69.6	70.0	32.47	8.10	25.28
79.7	80.1	32.49	8.10	25.29
89.5	90.0	32.51	8.12	25.30
99.5	100.1	32.53	8.14	25.32
110.4	111.0	32.56	8.19	25.33
120.4	121.0	32.57	8.21	25.34
130.3	131.0	32.59	8.26	25.34
140.2	141.0	32.60	8.27	25.36
150.1	150.9	32.61	8.27	25.36
160.1	161.1	32.61	8.20	25.37
170.0	171.0	32.63	8.21	25.38
179.9	181.0	32.65	8.22	25.40
184.9	186.0	32.65	8.22	25.40

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 4 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 20/ 5/79
 TIME (PST) 1910

TAPE: U01166 -068
 LONG W 125 1.30
 PASS NO. 36
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.4	.4	22.87	13.02	17.02	
1.9	1.9	26.26	12.14	19.79	
5.0	5.0	30.20	10.04	23.20	
10.0	10.0	31.39	8.91	24.31	
14.9	15.0	31.63	8.37	24.57	
19.8	19.9	31.84	8.28	24.76	
25.0	25.1	31.96	8.20	24.86	
29.9	30.0	32.00	8.15	24.90	
34.8	34.9	32.12	8.12	25.00	
39.9	40.1	32.24	8.11	25.10	
44.8	45.0	32.33	8.12	25.16	
49.8	50.1	32.35	8.13	25.18	4.13
59.7	60.0	32.40	8.15	25.21	
69.6	69.9	32.48	8.15	25.27	
74.7	75.1	32.49	8.18	25.28	4.05
79.6	80.0	32.50	8.18	25.29	
89.5	90.0	32.51	8.21	25.29	
100.4	101.0	32.53	8.21	25.30	4.05
110.4	111.0	32.53	8.22	25.31	
120.3	121.0	32.55	8.26	25.32	
125.2	125.9	32.56	8.27	25.32	4.06
130.2	130.9	32.60	8.30	25.35	
140.1	141.0	32.61	8.31	25.36	
150.2	151.0	32.62	8.32	25.36	4.11
160.1	161.0	32.63	8.33	25.37	
170.0	171.0	32.63	8.33	25.36	
179.9	181.0	32.63	8.33	25.37	
189.9	191.0	32.64	8.34	25.37	
199.8	201.0	32.64	8.34	25.38	4.23
221.6	222.9	32.65	8.34	25.38	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 4 ALBERNI PROGRAM

LAT N 48 57.72

DATE 20/ 5/79

TIME (PST) 2000

TAPE: U01166 -069

LONG W 125 4.48

PASS NO. 37

STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.0	2.0	27.30	13.25	20.40
5.1	5.1	27.96	12.22	21.10
9.9	10.0	31.61	9.10	24.45
14.9	15.0	31.76	8.66	24.64
19.9	20.0	31.85	8.42	24.74
24.9	25.0	31.92	8.23	24.82
29.9	30.1	32.03	8.10	24.93
34.8	35.0	32.15	8.07	25.03
39.8	40.0	32.39	8.09	25.21
44.8	45.0	32.45	8.14	25.25
49.8	50.0	32.52	8.25	25.29
59.7	60.0	32.57	8.32	25.32
69.5	69.9	32.58	8.33	25.33
79.6	80.0	32.59	8.33	25.34
89.6	90.1	32.64	8.35	25.38
100.5	101.1	32.67	8.36	25.39
110.4	111.0	32.68	8.36	25.40
120.4	121.0	32.69	8.36	25.41
130.3	131.1	32.70	8.36	25.42
140.2	141.0	32.71	8.36	25.42
149.1	150.0	32.71	8.36	25.43

CRUISE NO: 4 ALBERNI PROGRAM

LAT N 48 58.20

DATE 20/ 5/79

TIME (PST) 2030

TAPE: U01166 -070

LONG W 125 7.80

PASS NO. 39

STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.0	2.0	27.86	12.23	21.01	
5.0	5.0	28.37	11.98	21.45	
10.0	10.0	31.35	9.67	24.16	
14.9	15.0	31.57	9.11	24.42	
19.9	20.0	31.82	8.33	24.73	
24.9	25.0	31.92	8.16	24.84	
30.0	30.1	32.08	8.07	24.98	
34.8	35.0	32.24	8.05	25.10	
39.8	40.0	32.35	8.06	25.19	
44.8	45.0	32.41	8.08	25.23	
49.8	50.0	32.46	8.10	25.27	4.32
59.7	60.0	32.51	8.14	25.30	
69.6	70.0	32.59	8.27	25.35	
74.6	75.0	32.65	8.33	25.38	3.93
78.5	79.0	32.68	8.35	25.40	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 4 ALBERNI PROGRAM

LAT N 48 54.15

DATE 20/ 5/79

TIME (PST) 2125

TAPE: U01166 -071

LONG W 125 12.95

PASS NO. 41

STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.4	.4	28.78	12.79	21.62
1.9	1.9	30.01	11.83	22.75
5.0	5.0	30.34	11.57	23.05
9.9	9.9	31.66	10.11	24.33
15.0	15.0	31.74	9.27	24.52
19.9	20.0	31.91	8.75	24.74
24.9	25.0	32.18	8.90	24.93
29.8	30.0	32.23	8.57	25.02
34.9	35.1	32.32	8.43	25.11
39.8	40.0	32.38	8.35	25.17
44.8	45.0	32.45	8.36	25.22
49.8	50.0	32.56	8.42	25.29
59.7	60.1	32.65	8.38	25.37
69.6	70.0	32.68	8.34	25.40
79.5	80.0	32.73	8.29	25.45
90.3	90.8	32.82	8.23	25.53
90.3	90.8	32.82	8.23	25.53

CRUISE NO: 4 ALBERNI PROGRAM

LAT N 48 50.05

DATE 20/ 5/79

TIME (PST) 2136

TAPE: U01166 -072

LONG W 125 15.80

PASS NO. 43

STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.3	.3	29.66	12.28	22.39	
2.1	2.1	29.66	12.29	22.39	
5.0	5.0	30.13	11.90	22.83	
10.0	10.0	31.74	9.17	24.54	
15.1	15.1	31.88	8.74	24.71	
19.9	20.0	32.04	9.03	24.80	
24.9	25.0	32.19	8.84	24.95	
29.9	30.0	32.31	8.75	25.05	
34.9	35.1	32.42	8.63	25.16	
39.9	40.1	32.45	8.60	25.18	
44.8	45.0	32.45	8.60	25.18	
49.8	50.0	32.51	8.54	25.24	4.36
59.6	59.9	32.54	8.50	25.27	
69.6	70.0	32.65	8.36	25.38	
74.6	75.0	32.68	8.33	25.41	4.56
80.4	80.9	32.74	8.28	25.46	
80.4	80.9	32.74	8.28	25.46	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 4 ALBERNI PROGRAM

LAT N 48 48.20

DATE 20/ 5/79

TIME (PST) 2230

TAPE: U01166 -073

LONG W 125 14.40

PASS NO. 45

STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.0	.0	30.23	11.15	23.04
2.1	2.1	30.22	11.16	23.03
4.9	4.9	31.38	9.91	24.14
9.9	10.0	32.15	9.06	24.88
14.9	15.0	32.20	8.93	24.94
19.9	20.0	32.26	8.83	25.00
24.9	25.0	32.34	8.75	25.08
29.8	30.0	32.45	8.63	25.18
73.6	74.0	32.68	8.33	25.40
73.6	74.0	32.68	8.33	25.40

CRUISE NO: 4 ALBERNI PROGRAM

LAT N 48 51.50

DATE 21/ 5/79

TIME (PST) 2317

TAPE: U01166 -074

LONG W 125 8.10

PASS NO. 47

STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.3	.3	28.59	12.07	21.60	
2.0	2.0	28.73	11.93	21.74	
5.0	5.0	29.75	11.13	22.67	
10.0	10.0	31.61	8.90	24.49	
15.0	15.1	31.75	8.45	24.66	
19.9	20.0	31.86	8.19	24.79	
24.9	25.0	32.02	8.12	24.92	
29.8	30.0	32.07	8.09	24.96	
34.8	35.0	32.12	8.01	25.01	
39.8	40.0	32.24	8.02	25.10	
44.8	45.0	32.33	8.05	25.17	
49.7	50.0	32.38	8.07	25.21	3.46
59.7	60.0	32.45	8.11	25.26	
69.7	70.0	32.47	8.12	25.27	
74.5	74.9	32.48	8.12	25.28	3.57
79.5	79.9	32.50	8.13	25.29	
90.5	91.0	32.51	8.15	25.30	
100.4	100.9	32.52	8.15	25.31	3.80
110.3	110.9	32.54	8.16	25.32	
120.3	121.0	32.55	8.18	25.33	
123.1	123.9	32.55	8.18	25.33	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 4 ALBERNI PROGRAM

LAT N 48 53.78

DATE 21/ 5/79

TIME (PST) 0015

TAPE: U01166 -075

LONG W 125 3.05

PASS NO. 49

STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.1	.1	23.85	13.19	17.74
1.9	1.9	27.44	12.05	20.72
5.1	5.1	30.69	10.31	23.54
10.0	10.0	31.69	8.74	24.57
15.0	15.0	31.80	8.41	24.70
19.9	20.0	31.91	8.23	24.82
24.9	25.0	32.00	8.08	24.91
29.8	29.9	32.10	8.06	24.99
34.8	35.0	32.15	8.03	25.04
39.8	40.0	32.25	8.02	25.11
44.8	45.1	32.32	8.03	25.16
49.8	50.1	32.36	8.05	25.19
59.7	60.0	32.43	8.08	25.24
69.6	70.0	32.45	8.09	25.26
79.6	80.1	32.49	8.11	25.29
90.4	90.9	32.51	8.12	25.30
100.5	101.0	32.53	8.14	25.31
110.4	111.0	32.56	8.17	25.33
120.3	121.0	32.57	8.18	25.34
130.2	131.0	32.57	8.19	25.34
140.2	141.0	32.59	8.19	25.35
150.1	151.0	32.59	8.20	25.36
151.8	152.7	32.59	8.20	25.36

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 4 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 20/ 5/79
 TIME (PST) 0054

TAPE: U01166 -076
 LONG W 125 1.30
 PASS NO. 51
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.3	.3	18.82	13.79	13.76
1.6	1.6	23.65	12.45	17.72
5.0	5.0	29.19	10.54	22.34
10.0	10.0	31.48	8.93	24.37
15.0	15.0	31.71	8.30	24.65
19.9	20.0	31.86	8.34	24.76
24.9	25.0	31.97	8.20	24.87
29.9	30.1	32.10	8.12	24.98
35.0	35.1	32.15	8.12	25.02
39.9	40.1	32.29	8.10	25.14
44.9	45.1	32.35	8.10	25.18
49.7	50.0	32.39	8.11	25.21
59.8	60.1	32.43	8.12	25.24
69.6	70.0	32.48	8.14	25.28
79.6	80.1	32.52	8.18	25.30
90.4	90.9	32.53	8.19	25.31
100.3	100.9	32.55	8.22	25.32
110.4	111.0	32.56	8.25	25.32
120.3	121.0	32.59	8.27	25.34
130.3	131.0	32.59	8.28	25.34
140.1	140.9	32.60	8.30	25.35
150.1	150.9	32.63	8.31	25.37
160.1	161.0	32.63	8.32	25.37
170.1	171.1	32.63	8.32	25.37
179.9	181.0	32.64	8.32	25.38
189.8	191.0	32.64	8.33	25.38
199.8	201.0	32.65	8.33	25.38
215.6	216.9	32.65	8.34	25.38

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 5 ALBERNI PROGRAM
 LAT N 49 9.91
 DATE 21/ 6/79
 TIME (PST) 0745

TAPE: U01166 -077
 LONG W 124 48.62
 PASS NO. 3
 STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.3	.3	10.07	15.86	6.69
2.0	2.0	14.09	15.45	9.84
5.1	5.1	26.64	10.51	20.36
10.0	10.0	31.57	8.74	24.47
15.0	15.0	31.90	8.16	24.82
20.0	20.0	32.03	8.10	24.93
25.0	25.1	32.15	8.12	25.02
29.8	29.9	32.20	8.12	25.06
34.9	35.0	32.24	8.12	25.09
39.9	40.1	32.28	8.13	25.12
44.8	45.0	32.30	8.13	25.14
49.8	50.0	32.31	8.13	25.15
59.8	60.0	32.33	8.14	25.16
69.6	69.9	32.34	8.16	25.17
79.6	80.0	32.36	8.16	25.18
89.6	90.0	32.37	8.17	25.19
100.5	101.0	32.38	8.17	25.19
110.4	110.9	32.39	8.18	25.20
110.4	110.9	32.39	8.18	25.20

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 5 ALBERNI PROGRAM
 LAT N 49 7.15
 DATE 21/ 6/79
 TIME (PST) 0829

TAPE: U01166 -078
 LONG W 124 48.80
 PASS NO. 5
 STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.3	.3	13.00	15.48	9.00	
1.9	1.9	15.57	14.97	11.06	
5.1	5.1	26.75	10.78	20.40	
10.0	10.0	31.55	9.04	24.42	
15.1	15.1	32.03	8.48	24.87	
20.0	20.1	32.12	8.34	24.96	
24.9	24.9	32.12	8.22	24.98	
29.9	30.0	32.14	8.18	25.00	
34.9	35.0	32.19	8.12	25.05	
39.8	40.0	32.21	8.12	25.07	
44.9	45.1	32.24	8.12	25.10	
49.7	49.9	32.27	8.12	25.12	3.54
59.7	60.0	32.31	8.13	25.15	
69.9	70.2	32.32	8.14	25.15	
74.7	75.0	32.33	8.15	25.16	3.49
79.7	80.1	32.34	8.16	25.17	
89.5	90.0	32.36	8.16	25.18	
100.5	101.0	32.37	8.17	25.19	3.46
110.3	110.9	32.38	8.17	25.19	
120.3	121.0	32.39	8.17	25.20	
125.3	126.0	32.39	8.17	25.20	3.38
129.3	130.0	32.38	8.17	25.20	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 5 ALBERNI PROGRAM

LAT N 49 5.50

DATE 21/ 6/79

TIME (PST) 0852

TAPE: U01166 -079

LONG W 124 49.50

PASS NO. 7

STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.5	.5	16.52	14.89	11.80
2.0	2.0	18.29	14.32	13.26
5.0	5.0	28.37	10.45	21.71
9.9	9.9	31.78	9.38	24.54
15.0	15.0	31.92	8.61	24.77
20.1	20.1	32.21	8.24	25.05
24.9	25.0	32.25	8.22	25.08
29.9	30.0	32.26	8.22	25.09
34.9	35.0	32.29	8.20	25.12
39.8	40.0	32.34	8.19	25.16
44.9	45.1	32.35	8.19	25.17
49.7	50.0	32.38	8.18	25.19
59.7	60.0	32.55	8.20	25.32
69.7	70.1	32.55	8.20	25.32
79.6	80.0	32.57	8.21	25.33
89.6	90.0	32.57	8.21	25.34
100.5	101.0	32.58	8.21	25.34
109.3	109.9	32.59	8.22	25.35

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 5 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 21/ 6/79
 TIME (PST) 0920

TAPE: U01166 -080
 LONG W 124 51.11
 PASS NO. 9
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.2	.2	19.13	14.31	13.91
2.0	2.0	29.36	10.26	22.51
5.0	5.0	31.15	9.61	24.01
10.0	10.0	31.87	9.79	24.54
14.9	14.9	31.94	8.74	24.77
19.8	19.9	32.00	8.24	24.89
24.9	25.0	32.13	8.19	25.00
29.9	30.1	32.23	8.17	25.08
34.7	34.9	32.36	8.17	25.18
39.7	39.9	32.41	8.15	25.22
44.8	45.0	32.48	8.13	25.28
49.9	50.1	32.53	8.17	25.31
59.7	60.0	32.65	8.25	25.40
69.6	70.0	32.70	8.25	25.43
79.7	80.1	32.74	8.24	25.47
89.5	90.1	32.77	8.22	25.49
100.4	101.0	32.80	8.20	25.52
110.3	111.0	32.82	8.19	25.54
120.2	120.9	32.84	8.18	25.55
130.3	131.0	32.86	8.17	25.57
140.2	141.0	32.87	8.17	25.58
150.0	151.0	32.88	8.16	25.59
160.0	161.0	32.89	8.16	25.60
170.0	171.1	32.90	8.16	25.60
180.0	181.1	32.91	8.15	25.61
189.8	191.0	32.91	8.15	25.61
199.7	201.0	32.92	8.15	25.62
224.6	226.0	32.92	8.14	25.62
250.3	251.9	32.92	8.15	25.62
275.3	277.1	32.93	8.14	25.63
290.0	291.9	32.93	8.14	25.63

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 5 ALBERNI PROGRAM

LAT N 48 59.58

DATE 21/ 6/79

TIME (PST) 1030

TAPE: UD1166 -081

LONG W 124 53.38

PASS NO. 11

STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.4	.4	22.32	13.54	16.50	
2.0	2.0	23.43	13.04	17.44	
5.0	5.0	30.65	10.78	23.43	
10.1	10.1	31.79	10.27	24.41	
15.0	15.0	32.04	9.49	24.73	
19.9	20.0	32.09	8.56	24.91	
24.8	25.0	32.14	8.16	25.00	
29.8	29.9	32.19	8.16	25.05	
34.9	35.1	32.25	8.14	25.10	
39.9	40.1	32.33	8.11	25.16	
44.9	45.1	32.40	8.10	25.22	
49.8	50.0	32.50	8.14	25.29	3.34
59.7	60.0	32.61	8.22	25.37	
69.7	70.1	32.66	8.24	25.40	
74.6	75.0	32.69	8.25	25.43	2.93
79.5	80.0	32.70	8.25	25.44	
90.5	91.0	32.75	8.23	25.48	
100.4	101.0	32.78	8.21	25.50	3.09
110.3	111.0	32.84	8.18	25.55	
120.2	120.9	32.84	8.18	25.55	
125.3	126.0	32.84	8.18	25.56	3.06
130.2	131.0	32.85	8.18	25.56	
140.2	141.0	32.87	8.17	25.58	
150.3	151.2	32.87	8.17	25.58	2.97
160.0	161.0	32.87	8.16	25.58	
170.0	171.1	32.88	8.16	25.59	
179.8	180.9	32.89	8.16	25.59	
189.7	190.9	32.90	8.15	25.60	
199.7	201.0	32.90	8.15	25.61	2.99
224.8	226.2	32.90	8.15	25.61	
250.4	252.0	32.91	8.15	25.62	2.87
275.1	276.9	32.92	8.15	25.62	
299.9	301.9	32.92	8.15	25.62	2.26
324.9	327.0	32.94	8.14	25.64	
324.9	327.0	32.94	8.14	25.64	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 5 ALBERNI PROGRAM
 LAT N 48 58.78
 DATE 21/ 6/79
 TIME (PST) 1107

TAPE: U01166 -082
 LONG W 124 57.80
 PASS NO. 13
 STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.3	.3	21.24	14.45	15.50
2.0	2.0	22.57	13.82	16.64
5.1	5.1	30.49	11.16	23.24
9.9	9.9	31.85	10.24	24.45
14.9	15.0	31.96	9.94	24.59
19.9	20.0	32.07	9.44	24.76
24.9	25.0	32.11	8.95	24.87
29.8	30.0	32.17	8.21	25.03
34.8	34.9	32.22	8.16	25.07
39.9	40.1	32.40	8.13	25.21
44.7	45.0	32.46	8.13	25.26
49.9	50.1	32.50	8.15	25.29
59.7	60.0	32.60	8.21	25.36
69.6	70.0	32.66	8.24	25.40
79.6	80.1	32.70	8.24	25.43
89.6	90.1	32.74	8.24	25.47
100.5	101.0	32.77	8.22	25.49
110.3	110.9	32.81	8.19	25.53
120.4	121.1	32.84	8.18	25.55
130.3	131.1	32.87	8.17	25.58
140.2	141.1	32.92	8.13	25.62
150.0	150.9	32.99	8.08	25.68
160.0	160.9	33.03	8.04	25.72
164.9	165.9	33.03	8.03	25.73

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 5 ALBERNI PROGRAM

LAT N 48 57.02

DATE 21/ 6/79

TIME (PST) 1201

TAPE: U01166 -083

LONG W 125 1.30

PASS NO. 15

STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.8	.8	22.93	13.93	16.90	
2.0	2.0	24.52	13.24	18.25	
4.9	4.9	30.66	11.56	23.31	
10.0	10.0	31.98	9.98	24.60	
15.0	15.0	32.04	9.91	24.66	
20.0	20.0	32.16	9.17	24.87	
24.9	25.1	32.25	8.40	25.06	
29.8	29.9	32.24	8.29	25.07	
34.9	35.0	32.28	8.20	25.11	
39.8	40.0	32.39	8.13	25.21	
44.9	45.1	32.49	8.15	25.29	
49.7	49.9	32.55	8.18	25.32	3.54
59.7	60.0	32.60	8.21	25.36	
69.6	69.9	32.68	8.23	25.42	
74.6	75.0	32.69	8.23	25.43	3.03
80.5	81.0	32.71	8.23	25.45	
90.4	90.9	32.74	8.22	25.47	
100.5	101.1	32.79	8.21	25.51	3.04
110.3	111.0	32.83	8.18	25.54	
120.3	121.0	32.86	8.17	25.57	
125.1	125.8	32.87	8.16	25.58	2.91
130.3	131.0	32.88	8.15	25.59	
140.4	141.2	32.91	8.12	25.62	
150.1	151.0	32.93	8.10	25.64	2.70
159.9	160.9	33.01	8.05	25.70	
170.0	171.0	33.02	8.04	25.72	
179.9	181.0	33.02	8.04	25.71	
189.8	191.0	33.02	8.04	25.71	
199.8	201.1	33.04	8.03	25.73	2.62
224.6	226.0	33.04	8.03	25.73	
239.4	241.0	33.04	8.03	25.73	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 5 ALBERNI PROGRAM
 LAT N 48 57.72
 DATE 21/ 6/79
 TIME (PST) 1242

TAPE: U01166 -084
 LONG W 125 4.48
 PASS NO. 17
 STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.4	.4	24.02	14.17	17.69
2.0	2.0	24.79	13.76	18.36
5.0	5.0	30.53	11.53	23.21
10.0	10.0	31.95	10.45	24.50
14.9	15.0	32.08	10.05	24.66
20.0	20.1	32.20	9.43	24.86
24.9	25.0	32.21	8.86	24.96
29.9	30.0	32.27	8.58	25.04
34.9	35.0	32.28	8.38	25.09
39.8	40.0	32.33	8.35	25.13
44.9	45.1	32.43	8.18	25.23
49.8	50.0	32.51	8.24	25.29
59.7	60.0	32.57	8.20	25.34
69.6	70.0	32.72	8.22	25.45
79.6	80.0	32.85	8.15	25.57
89.6	90.1	33.07	8.00	25.76
100.5	101.0	33.11	7.95	25.80
110.3	111.0	33.12	7.93	25.81
120.3	121.0	33.12	7.93	25.81
130.3	131.1	33.13	7.93	25.82
140.1	141.0	33.13	7.93	25.82
150.2	151.1	33.13	7.93	25.82
159.1	160.1	33.13	7.93	25.82

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 5 ALBERNI PROGRAM
 LAT N 48 58.20
 DATE 21/ 6/79
 TIME (PST) 1333

TAPE: U01166 -085
 LONG W 125 7.80
 PASS NO. 19
 STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.9	.9	25.95	15.25	18.96	
2.1	2.1	27.50	14.03	20.40	
5.0	5.0	30.67	11.53	23.32	
10.0	10.0	31.97	9.87	24.61	
15.0	15.0	32.13	9.20	24.85	
19.9	20.0	32.23	9.23	24.92	
25.0	25.1	32.27	8.92	25.00	
29.8	29.9	32.28	8.78	25.02	
34.8	35.0	32.29	8.67	25.05	
39.7	39.9	32.33	8.58	25.09	
44.8	45.0	32.41	8.66	25.15	
49.7	50.0	32.45	8.40	25.22	3.74
59.7	60.0	32.55	8.23	25.32	
69.7	70.1	32.76	8.19	25.49	
74.5	74.9	32.86	8.14	25.57	2.80
80.5	80.9	33.02	8.06	25.72	
84.6	85.1	33.08	8.00	25.77	2.57
90.4	90.9	33.16	7.88	25.85	
90.4	90.9	33.16	7.88	25.85	

CRUISE NO: 5 ALBERNI PROGRAM
 LAT N 48 54.15
 DATE 21/ 6/79
 TIME (PST) 1421

TAPE: U01166 -086
 LONG W 125 12.95
 PASS NO. 21
 STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.2	.2	28.11	15.13	20.65
2.1	2.1	28.28	14.96	20.81
5.0	5.0	31.73	11.38	24.17
9.9	10.0	32.01	10.39	24.56
15.0	15.1	32.16	9.76	24.78
19.9	20.0	32.20	9.59	24.84
25.1	25.2	32.30	9.23	24.97
29.9	30.1	32.36	9.18	25.03
34.9	35.1	32.39	8.83	25.10
39.9	40.1	32.41	8.79	25.12
44.8	45.0	32.43	8.45	25.20
49.8	50.1	32.47	8.37	25.24
59.6	59.9	32.57	8.24	25.33
69.6	70.0	32.81	8.19	25.53
79.5	80.0	33.03	8.05	25.72
90.3	90.8	33.12	7.92	25.81
90.3	90.8	33.12	7.92	25.81

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 5 ALBERNI PROGRAM

LAT N 48 50.05

DATE 21/ 6/79

TIME (PST) 1509

TAPE: U01166 -087

LONG W 125 15.80

PASS NO. 23

STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.2	.2	31.37	12.03	23.77	
2.0	2.0	31.39	12.20	23.75	
4.9	5.0	31.77	11.11	24.24	
10.0	10.1	32.17	10.24	24.70	
14.9	15.0	32.14	9.79	24.76	
19.9	20.0	32.25	9.42	24.90	
24.9	25.0	32.30	9.20	24.97	
29.9	30.0	32.31	9.15	24.99	
34.8	35.0	32.39	8.92	25.09	
39.8	40.0	32.43	8.85	25.13	
44.8	45.1	32.46	8.67	25.18	
49.6	49.9	32.48	8.61	25.20	3.84
59.6	59.9	32.56	8.27	25.32	
69.6	70.0	32.71	8.24	25.44	
74.6	75.0	32.84	8.19	25.56	3.29
79.5	80.0	32.87	8.16	25.58	
90.5	91.1	32.93	8.12	25.64	
100.4	101.0	33.05	7.99	25.74	2.64
106.3	106.9	33.08	7.96	25.77	

CRUISE NO: 5 ALBERNI PROGRAM

LAT N 48 48.20

DATE 21/ 6/79

TIME (PST) 1539

TAPE: U01166 -088

LONG W 125 14.40

PASS NO. 25

STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.2	.2	31.21	12.92	23.48
2.1	2.1	31.19	12.93	23.46
5.4	5.4	31.64	11.79	24.02
10.6	10.7	32.13	9.86	24.73
15.0	15.0	32.25	9.25	24.93
19.9	20.0	32.27	9.23	24.94
25.1	25.2	32.30	9.13	24.99
29.9	30.0	32.33	9.05	25.02
34.9	35.0	32.36	9.01	25.05
41.1	41.3	32.45	8.86	25.14
41.6	41.9	32.45	8.85	25.15

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 5 ALBERNI PROGRAM

LAT N 48 51.50

DATE 21/ 6/79

TIME (PST) 1635

TAPE: U01166 -089

LONG W 125 8.10

PASS NO. 27

STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.2	.2	29.55	14.47	21.89	
2.0	2.0	31.01	12.37	23.43	
4.9	5.0	31.81	10.95	24.31	
10.0	10.1	32.08	10.03	24.67	
14.8	14.9	32.16	9.64	24.79	
19.9	20.0	32.17	9.58	24.81	
24.9	25.0	32.27	9.04	24.98	
29.8	29.9	32.29	8.79	25.03	
34.7	34.9	32.42	8.70	25.15	
39.9	40.1	32.43	8.47	25.19	
44.8	45.0	32.56	8.19	25.33	
49.7	50.0	32.57	8.20	25.34	3.17
59.6	60.0	32.62	8.21	25.37	
69.7	70.1	32.70	8.23	25.43	
74.6	75.0	32.72	8.23	25.45	3.12
79.6	80.0	32.73	8.23	25.46	
89.6	90.1	32.76	8.21	25.49	
100.2	100.8	32.77	8.21	25.49	3.12
110.3	111.0	32.84	8.18	25.55	
120.2	120.9	32.87	8.17	25.58	
125.3	126.0	32.88	8.16	25.59	2.89
130.1	130.9	32.91	8.15	25.61	
130.1	130.9	32.91	8.15	25.61	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 5 ALBERNI PROGRAM
 LAT N 48 53.78
 DATE 21/ 6/79
 TIME (PST) 1713

TAPE: U01166 -090
 LONG W 125 3.05
 PASS NO. 29
 STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.2	.2	26.94	15.11	19.75
2.0	2.0	29.07	13.59	21.70
5.1	5.1	31.58	10.78	24.15
10.0	10.0	32.00	10.23	24.57
15.0	15.0	32.07	9.91	24.68
20.0	20.1	32.10	9.35	24.79
24.8	24.9	32.16	8.48	24.97
29.9	30.1	32.20	8.37	25.02
34.7	34.9	32.26	8.28	25.08
39.8	40.0	32.42	8.20	25.22
44.9	45.1	32.49	8.18	25.28
49.7	49.9	32.51	8.18	25.30
59.8	60.1	32.65	8.23	25.40
69.7	70.0	32.69	8.23	25.42
79.6	80.1	32.72	8.23	25.45
89.5	90.0	32.75	8.22	25.47
100.4	101.0	32.78	8.20	25.50
110.3	111.0	32.83	8.18	25.54
120.4	121.1	32.85	8.17	25.57
130.3	131.0	32.87	8.17	25.58
140.2	141.0	32.91	8.14	25.62
150.1	151.0	32.95	8.12	25.65
160.0	161.0	32.97	8.11	25.66
169.8	170.9	33.00	8.08	25.69
175.6	176.7	33.00	8.08	25.69

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 5 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 21/ 6/79
 TIME (PST) 1750

TAPE: U01166 -091
 LONG W 125 1.30
 PASS NO. 31
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.4	.4	26.89	12.24	20.26
2.6	2.6	28.35	11.94	21.44
5.0	5.0	29.77	11.63	22.60
9.8	9.8	31.07	11.09	23.70
14.2	14.3	32.06	9.90	24.67
18.6	18.7	32.16	9.39	24.83
25.1	25.2	32.14	8.27	24.99
29.9	30.0	32.20	8.30	25.04
34.8	34.9	32.30	8.13	25.13
39.8	40.0	32.37	8.11	25.19
44.8	45.0	32.42	8.12	25.24
49.7	50.0	32.51	8.15	25.30
59.6	59.9	32.63	8.23	25.38
69.7	70.1	32.70	8.24	25.43
79.5	80.0	32.72	8.24	25.46
89.5	90.0	32.77	8.21	25.49
100.4	100.9	32.80	8.20	25.52
110.3	110.9	32.82	8.19	25.54
120.3	121.0	32.86	8.17	25.57
130.4	131.2	32.88	8.14	25.59
140.2	141.1	32.93	8.11	25.63
150.1	151.0	32.98	8.07	25.68
159.9	160.9	33.01	8.04	25.71
169.9	170.9	33.03	8.04	25.72
179.9	181.0	33.03	8.03	25.73
190.0	191.2	33.03	8.03	25.73
199.8	201.0	33.04	8.03	25.73
222.6	224.0	33.04	8.03	25.73

CRUISE NO: 6 ALBERNI PROGRAM
 LAT N 49 12.16
 DATE 22/ 8/79
 TIME (PST) 1248

TAPE: U01166 -092
 LONG W 124 49.02
 PASS NO. 0
 STN: AD

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.9	2.0	31.84	9.18	24.62
5.0	5.1	31.90	8.94	24.70
9.9	10.0	31.98	8.79	24.79
14.9	15.0	32.03	8.60	24.86
20.0	20.1	32.09	8.52	24.91
25.0	25.1	32.14	8.44	24.97
30.0	30.1	32.19	8.37	25.02
34.9	35.1	32.21	8.38	25.03
39.6	39.8	32.23	8.39	25.04

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 6 ALBERNI PROGRAM
 LAT N 49 9.91
 DATE 22/ 8/79
 TIME (PST) 1343

TAPE: U01166 -093
 LONG W 124 48.62
 PASS NO. 0
 STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.4	.4	20.18	16.91	14.19
2.1	2.1	20.77	16.03	14.83
5.1	5.1	25.30	13.45	18.81
10.1	10.1	31.65	9.60	24.41
15.1	15.1	31.92	9.15	24.69
20.0	20.1	32.05	9.01	24.81
25.0	25.1	32.11	8.75	24.90
29.9	30.0	32.16	8.53	24.97
34.9	35.1	32.21	8.45	25.02
39.9	40.0	32.24	8.39	25.05
44.8	45.0	32.26	8.38	25.07
49.8	50.0	32.30	8.40	25.10
59.9	60.2	32.34	8.37	25.13
69.7	70.0	32.35	8.38	25.14
79.6	80.0	32.36	8.37	25.15
89.6	90.1	32.38	8.46	25.15
100.4	100.9	32.41	8.54	25.16
100.4	100.9	32.41	8.54	25.16

CRUISE NO: 6 ALBERNI PROGRAM
 LAT N 49 7.15
 DATE 22/ 8/79
 TIME (PST) 1502

TAPE: U01166 -094
 LONG W 124 48.80
 PASS NO. 0
 STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.4	.4	20.39	17.48	14.23	
2.2	2.2	21.63	16.16	15.46	
5.1	5.1	27.18	12.83	20.37	
10.1	10.1	31.81	9.49	24.55	
15.0	15.0	32.10	9.09	24.84	
20.0	20.1	32.18	8.92	24.92	
24.9	25.0	32.21	8.86	24.96	
29.9	30.0	32.26	8.79	25.01	
34.9	35.1	32.28	8.60	25.05	
39.8	40.0	32.28	8.57	25.06	
44.8	45.0	32.31	8.54	25.08	
49.8	50.0	32.35	8.61	25.11	2.21
59.8	60.1	32.39	8.61	25.14	
68.7	69.1	32.40	8.60	25.15	
74.7	75.1	32.41	8.60	25.15	2.57
79.7	80.1	32.42	8.59	25.16	
89.5	90.0	32.42	8.59	25.16	
99.6	100.2	32.42	8.59	25.17	2.56
109.5	110.1	32.43	8.59	25.17	
120.4	121.1	32.44	8.58	25.18	
124.9	125.6	32.44	8.59	25.18	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 6 ALBERNI PROGRAM

LAT N 49 5.50

DATE 22/ 8/79

TIME (PST) 1534

TAPE: U01166 -095

LONG W 124 49.50

PASS NO. 0

STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.3	.3	20.55	17.78	14.29
2.0	2.0	21.08	17.46	14.77
5.1	5.1	26.95	13.32	20.11
10.0	10.0	31.59	9.89	24.31
15.0	15.0	31.90	9.56	24.61
21.1	21.1	32.03	9.36	24.74
24.9	25.0	32.13	9.13	24.85
29.9	30.0	32.19	9.00	24.92
34.8	35.0	32.25	8.89	24.98
39.9	40.1	32.33	8.74	25.07
44.9	45.1	32.35	8.69	25.09
49.8	50.0	32.42	8.61	25.16
59.8	60.1	32.69	8.31	25.42
69.7	70.0	32.75	8.25	25.47
79.6	80.0	32.76	8.23	25.48
89.5	90.0	32.77	8.23	25.49
98.2	98.7	32.77	8.23	25.49

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 6 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 22/ 8/79
 TIME (PST) 1612

TAPE: U01166 -096
 LONG W 124 51.11
 PASS NO. 0
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.3	.3	23.92	16.82	17.07
2.1	2.1	24.12	16.62	17.27
5.1	5.1	26.84	14.15	19.87
10.1	10.1	31.04	10.86	23.72
14.9	14.9	31.95	10.58	24.48
20.0	20.1	32.06	10.06	24.65
25.0	25.1	32.12	9.60	24.77
29.9	30.0	32.16	9.20	24.87
34.9	35.1	32.23	9.00	24.96
39.9	40.0	32.29	8.98	25.00
45.0	45.2	32.33	8.76	25.07
49.9	50.1	32.40	8.74	25.13
59.9	60.2	32.56	8.54	25.28
69.7	70.0	32.76	8.22	25.48
79.7	80.1	32.84	8.17	25.55
89.6	90.1	32.89	8.13	25.60
99.5	100.1	32.92	8.09	25.63
110.5	111.1	32.94	8.07	25.65
120.8	121.5	32.94	8.07	25.65
130.3	131.0	32.96	8.12	25.66
140.3	141.1	32.98	8.19	25.66
150.2	151.1	32.99	8.20	25.67
160.1	161.1	33.01	8.21	25.68
170.0	171.0	33.00	8.21	25.68
180.0	181.1	33.01	8.20	25.68
189.9	191.1	33.02	8.19	25.69
199.8	201.0	33.02	8.19	25.69
224.7	226.1	33.03	8.16	25.71
247.1	248.7	33.05	8.15	25.72

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 6 ALBERNI PROGRAM

LAT N 48 59.58

DATE 22/ 8/79

TIME (PST) 1707

TAPE: U01166 -097

LONG W 124 53.38

PASS NO. 0

STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.4	.4	24.28	18.52	16.96	
2.1	2.1	27.10	15.55	19.78	
5.1	5.1	29.88	13.75	22.29	
10.1	10.1	31.88	11.12	24.33	
15.0	15.0	32.05	10.52	24.57	
20.0	20.1	32.10	10.17	24.66	
25.0	25.1	32.17	9.86	24.77	
29.9	30.0	32.22	9.55	24.85	
34.8	35.0	32.30	9.20	24.98	
39.9	40.1	32.44	9.10	25.10	
44.8	45.1	32.54	8.89	25.22	
49.8	50.0	32.57	8.47	25.30	2.51
59.8	60.1	32.74	8.26	25.46	
69.7	70.0	32.84	8.17	25.56	
74.7	75.1	32.86	8.15	25.58	2.40
79.7	80.1	32.86	8.15	25.57	
89.5	90.0	32.92	8.10	25.62	
99.4	100.0	32.94	8.09	25.64	2.33
110.5	111.1	32.95	8.09	25.65	
120.4	121.1	32.95	8.11	25.65	
125.4	126.1	32.97	8.14	25.66	2.06
130.3	131.0	32.98	8.17	25.67	
140.3	141.1	32.98	8.17	25.67	
150.2	151.1	33.00	8.19	25.68	2.00
160.1	161.1	33.00	8.20	25.68	
170.1	171.1	33.02	8.19	25.69	
180.0	181.1	33.02	8.18	25.69	
189.8	191.0	33.03	8.16	25.71	
199.8	201.0	33.02	8.17	25.70	1.95
224.6	226.0	33.05	8.14	25.72	
247.4	249.0	33.05	8.14	25.72	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 6 ALBERNI PROGRAM
LAT N 48 58.78
DATE 22/ 8/79
TIME (PST) 1805

TAPE: UD1166 -098
LONG W 124 57.80
PASS NO. 0
STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
5.1	5.1	31.63	12.10	23.96
10.1	10.1	31.99	10.86	24.46
15.1	15.1	32.09	10.54	24.59
20.0	20.1	32.17	10.20	24.71
24.9	25.0	32.24	9.73	24.84
29.9	30.0	32.29	9.52	24.92
34.9	35.1	32.40	9.25	25.05
39.8	40.0	32.49	9.06	25.14
44.8	45.0	32.63	8.72	25.31
49.8	50.1	32.70	8.39	25.42
59.7	60.1	32.80	8.23	25.52
67.3	67.7	32.84	8.18	25.56
79.7	80.1	32.91	8.12	25.62
90.5	91.0	32.94	8.11	25.64
100.5	101.1	32.95	8.11	25.65
110.3	111.0	32.96	8.11	25.66
120.3	121.1	32.99	8.14	25.67
130.3	131.0	33.00	8.17	25.68
140.3	141.1	33.04	8.14	25.71
150.1	151.0	33.08	8.09	25.76
160.1	161.1	33.10	8.06	25.77
170.0	171.0	33.13	8.02	25.80
175.8	176.9	33.14	8.02	25.81

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 6 ALBERNI PROGRAM

LAT N 48 57.02

DATE 22/ 8/79

TIME (PST) 1841

TAPE: U01166 -099

LONG W 125 1.30

PASS NO. 0

STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
1.0	1.0	27.05	17.60	19.29	
2.1	2.1	27.83	16.84	20.06	
5.1	5.1	30.59	13.76	22.83	
10.1	10.1	31.95	11.06	24.39	
15.0	15.0	32.03	10.77	24.51	
20.0	20.1	32.14	10.30	24.67	
25.0	25.1	32.17	10.19	24.71	
30.1	30.2	32.21	10.06	24.76	
34.9	35.1	32.32	9.56	24.93	
39.9	40.1	32.39	9.34	25.02	
44.9	45.1	32.41	9.26	25.05	
49.7	50.0	32.51	9.05	25.17	2.71
59.8	60.1	32.76	8.37	25.46	
69.8	70.1	32.85	8.22	25.55	
74.6	75.0	32.87	8.25	25.57	1.90
79.7	80.1	32.89	8.25	25.58	
89.5	90.0	32.92	8.27	25.61	
100.4	101.0	32.96	8.25	25.64	1.84
110.5	111.1	32.97	8.19	25.65	
120.4	121.1	32.98	8.17	25.66	
125.3	126.0	32.99	8.16	25.67	2.00
130.3	131.0	33.01	8.17	25.69	
140.2	141.0	33.04	8.21	25.70	
150.1	151.0	33.07	8.17	25.74	1.84
160.1	161.1	33.09	8.11	25.76	
170.0	171.0	33.11	8.04	25.79	
180.0	181.1	33.13	8.00	25.81	
190.0	191.2	33.13	8.00	25.81	
192.5	193.7	33.15	7.99	25.82	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 6 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 23/ 8/79
 TIME (PST) 0053

TAPE: U01166 -100
 LONG W 125 1.30
 PASS NO. 0
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.4	.4	26.99	16.90	19.40
2.1	2.1	29.66	14.75	21.91
5.1	5.2	31.69	11.86	24.05
10.1	10.1	32.06	10.77	24.53
15.0	15.0	32.06	10.65	24.55
20.0	20.1	32.12	10.47	24.63
24.9	25.0	32.16	10.32	24.68
29.9	30.0	32.19	10.25	24.72
34.9	35.1	32.26	9.95	24.82
39.8	40.0	32.32	9.66	24.92
44.8	45.0	32.40	9.35	25.03
49.8	50.1	32.50	9.03	25.16
59.7	60.1	32.72	8.47	25.42
69.7	70.1	32.84	8.23	25.54
79.6	80.0	32.91	8.25	25.60
90.5	91.0	32.94	8.28	25.62
100.4	101.0	32.95	8.25	25.63
110.3	111.0	32.97	8.12	25.66
120.3	121.1	32.99	8.14	25.68
130.4	131.1	33.02	8.17	25.69
140.3	141.1	33.05	8.21	25.71
150.2	151.1	33.08	8.17	25.74
160.0	161.0	33.10	8.13	25.76
170.1	171.1	33.12	8.03	25.80
179.9	181.0	33.14	8.01	25.82
190.0	191.2	33.15	7.99	25.82
199.7	200.9	33.15	7.99	25.83

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 6 ALBERNI PROGRAM
 LAT N 48 53.78
 DATE 23/ 8/79
 TIME (PST) 0009

TAPE: U01166 -101
 LONG W 125 3.05
 PASS NO. 0
 STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.1	2.1	29.48	14.83	21.76
5.0	5.1	31.38	12.14	23.76
10.0	10.0	31.79	11.35	24.22
15.1	15.1	31.97	10.89	24.43
20.0	20.1	32.06	10.68	24.54
24.9	25.0	32.11	10.54	24.61
29.9	30.0	32.18	10.24	24.71
34.9	35.1	32.31	9.64	24.91
39.9	40.1	32.42	9.23	25.06
44.8	45.0	32.57	8.77	25.25
49.8	50.1	32.64	8.57	25.34
59.7	60.1	32.76	8.34	25.47
69.8	70.1	32.85	8.25	25.55
79.7	80.1	32.88	8.24	25.58
89.6	90.1	32.92	8.25	25.61
99.5	100.0	32.98	8.25	25.65
110.3	111.0	33.00	8.25	25.67
120.4	121.1	33.00	8.24	25.67
130.4	131.1	33.02	8.23	25.69
140.2	141.0	33.05	8.21	25.72
150.1	151.0	33.05	8.21	25.71
160.1	161.1	33.06	8.20	25.72
164.0	165.0	33.06	8.20	25.72

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 6 ALBERNI PROGRAM
LAT N 48 51.50
DATE 22/ 8/79
TIME (PST) 2320

TAPE: U01166 -102
LONG W 125 8.10
PASS NO. 0
STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.0	1.0	30.22	14.01	22.50
2.1	2.2	30.82	13.13	23.13
5.0	5.1	31.17	12.50	23.53
10.1	10.1	31.66	11.57	24.08
15.1	15.1	31.81	11.21	24.26
20.0	20.1	31.93	10.89	24.41
25.0	25.1	31.95	10.85	24.43
29.9	30.0	32.05	10.60	24.56
34.9	35.1	32.19	10.22	24.73
39.9	40.1	32.34	9.49	24.96
44.8	45.0	32.42	9.28	25.06
49.8	50.1	32.49	9.04	25.15
59.7	60.1	32.67	8.51	25.37
69.8	70.1	32.80	8.32	25.50
79.7	80.1	32.90	8.24	25.59
89.6	90.1	32.92	8.24	25.61
99.5	100.0	32.96	8.25	25.64
110.4	111.0	32.98	8.26	25.65
120.4	121.1	33.00	8.27	25.66
123.0	123.7	33.01	8.26	25.67

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 6 ALBERNI PROGRAM

LAT N 48 48.20

DATE 22/ 8/79

TIME (PST) 2230

TAPE: U01166 -103

LONG W 125 14.40

PASS NO. 0

STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.4	.4	31.56	12.34	23.86
2.0	2.1	31.59	12.30	23.89
5.1	5.1	31.65	11.68	24.05
9.9	10.0	31.72	11.31	24.17
15.0	15.0	31.77	11.01	24.26
20.0	20.1	32.03	10.09	24.62
24.9	25.0	32.20	9.71	24.81
29.9	30.0	32.38	9.35	25.01
34.5	34.7	32.53	9.05	25.18
34.5	34.7	32.53	9.05	25.18

CRUISE NO: 6 ALBERNI PROGRAM

LAT N 48 57.72

DATE 22/ 8/79

TIME (PST) 1923

TAPE: U01166 -104

LONG W 125 4.48

PASS NO. 0

STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.4	.4	27.89	17.82	19.88
2.0	2.0	29.03	16.87	20.97
5.0	5.0	30.36	14.69	22.47
10.1	10.1	31.84	11.75	24.19
15.1	15.1	31.99	11.09	24.42
20.0	20.1	32.09	10.65	24.57
25.1	25.2	32.18	10.29	24.70
29.9	30.0	32.25	10.03	24.80
34.9	35.1	32.28	9.86	24.85
39.9	40.1	32.36	9.60	24.96
44.8	45.0	32.44	9.28	25.07
49.8	50.1	32.55	9.02	25.20
59.7	60.0	32.73	8.54	25.42
69.7	70.0	32.79	8.40	25.48
79.7	80.1	32.87	8.28	25.56
89.6	90.1	32.90	8.24	25.59
99.5	100.0	32.98	8.16	25.67
110.4	111.1	33.00	8.14	25.68
120.4	121.1	33.08	8.06	25.76
130.4	131.1	33.11	8.03	25.79
140.2	141.0	33.11	8.03	25.79
149.8	150.7	33.12	8.03	25.79

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 6 ALBERNI PROGRAM

LAT N 48 58.20

DATE 22/ 8/79

TIME (PST) 2001

TAPE: U01166 -105

LONG W 125 7.80

PASS NO. 0

STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
1.0	1.0	30.33	15.39	22.29	
2.0	2.1	30.65	14.99	22.62	
5.0	5.1	31.09	13.72	23.23	
10.1	10.1	31.87	11.71	24.21	
15.1	15.1	31.92	11.11	24.36	
17.9	17.9	32.00	10.80	24.48	
25.0	25.1	32.08	10.49	24.60	
29.9	30.0	32.20	10.17	24.74	
34.9	35.1	32.23	10.08	24.77	
39.8	40.0	32.30	9.83	24.87	
44.9	45.1	32.39	9.53	24.99	
49.8	50.1	32.46	9.32	25.08	3.20
59.7	60.1	32.53	9.00	25.19	
69.7	70.0	32.83	8.35	25.52	
74.7	75.1	32.93	8.22	25.62	1.92
79.6	80.0	32.99	8.16	25.67	
83.6	84.1	32.99	8.15	25.68	

CRUISE NO: 6 ALBERNI PROGRAM

LAT N 48 54.15

DATE 22/ 8/79

TIME (PST) 2104

TAPE: U01166 -106

LONG W 125 12.95

PASS NO. 0

STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
5.0	5.1	31.56	12.25	23.87
10.0	10.1	31.75	11.44	24.17
15.2	15.2	31.95	10.61	24.47
19.9	20.0	31.96	10.52	24.50
24.9	25.0	32.01	10.42	24.55
29.9	30.0	32.14	10.13	24.70
34.9	35.1	32.22	10.02	24.78
39.8	40.0	32.32	9.66	24.92
44.8	45.0	32.42	9.56	25.01
49.8	50.1	32.47	9.30	25.09
59.7	60.1	32.55	9.03	25.20
69.7	70.0	32.75	8.59	25.42
79.7	80.1	32.86	8.37	25.54
87.2	87.7	33.09	8.10	25.76

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 6 ALBERNI PROGRAM

LAT N 48 50.05

DATE 22/ 8/79

TIME (PST) 2153

TAPE: U01166 -107

LONG W 125 15.80

PASS NO. 0

STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.1	2.2	31.57	11.92	23.94	
4.9	5.0	31.56	11.91	23.94	
10.0	10.0	31.76	10.88	24.28	
14.9	14.9	31.81	10.67	24.35	
20.1	20.2	31.97	10.37	24.52	
24.9	25.0	32.05	10.31	24.60	
29.9	30.0	32.18	10.07	24.74	
34.9	35.1	32.31	9.70	24.90	
39.9	40.1	32.47	9.21	25.11	
44.8	45.0	32.59	8.86	25.26	
49.8	50.1	32.63	8.80	25.30	3.14
59.7	60.1	32.71	8.69	25.37	
69.6	70.0	32.82	8.50	25.49	
74.7	75.2	32.95	8.32	25.62	2.30
79.7	80.1	33.01	8.24	25.68	
89.6	90.1	33.03	8.23	25.70	
99.1	99.7	33.05	8.21	25.71	

CRUISE NO: 7 ALBERNI PROGRAM

LAT N 49 12.16

DATE 4/10/79

TIME (PST) 1131

TAPE: U01166 -108

LONG W 124 49.02

PASS NO. 1

STN: A0

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.2	.2	21.32	13.58	15.73
2.1	2.1	24.38	13.13	18.16
5.0	5.0	30.40	11.96	23.03
9.9	9.9	31.35	11.35	23.87
15.0	15.0	31.41	10.99	23.99
20.0	20.1	31.56	10.65	24.16
25.0	25.1	31.67	10.38	24.30
29.8	30.0	31.76	10.10	24.41
34.9	35.0	31.85	9.88	24.51
39.9	40.0	31.91	9.69	24.60
44.9	45.1	31.96	9.52	24.66
49.7	50.0	32.00	9.39	24.71
54.8	55.0	32.03	9.28	24.75

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 7 ALBERNI PROGRAM
 LAT N 49 9.91
 DATE 4/10/79
 TIME (PST) 1159

TAPE: U01166 -109
 LONG W 124 48.62
 PASS NO. 3
 STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.3	.3	21.80	13.78	16.06
2.0	2.0	27.14	12.85	20.34
5.0	5.0	29.63	12.42	22.35
9.9	9.9	31.47	11.92	23.86
14.9	15.0	31.50	11.75	23.92
19.9	20.0	31.59	11.22	24.08
24.9	25.0	31.60	11.12	24.11
29.9	30.0	31.68	10.84	24.22
34.8	35.0	31.76	10.46	24.35
39.9	40.0	31.78	10.32	24.39
44.8	45.0	31.83	10.07	24.47
49.8	50.0	31.93	9.69	24.61
59.7	60.0	32.08	9.26	24.79
69.7	70.0	32.18	8.97	24.92
79.6	80.0	32.30	8.70	25.05
89.6	90.0	32.33	8.62	25.09
100.5	101.0	32.36	8.58	25.12
103.4	104.0	32.37	8.56	25.13

CRUISE NO: 7 ALBERNI PROGRAM
 LAT N 49 7.15
 DATE 4/10/79
 TIME (PST) 1229

TAPE: U01166 -110
 LONG W 124 48.80
 PASS NO. 5
 STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
5.1	5.2	30.37	12.39	22.92	
12.1	12.1	31.53	11.95	23.91	
16.0	16.1	31.66	11.70	24.06	
19.9	20.0	31.77	11.27	24.22	
25.1	25.2	31.90	10.56	24.44	
29.9	30.0	31.92	10.46	24.47	
34.9	35.0	31.97	10.21	24.56	
39.8	40.0	32.02	10.04	24.62	
44.9	45.1	32.07	9.70	24.72	
49.8	50.0	32.10	9.53	24.76	2.62
59.8	60.1	32.15	9.11	24.87	
69.7	70.0	32.24	8.81	24.99	
73.6	74.0	32.32	8.63	25.08	1.62
80.4	80.8	32.34	8.60	25.10	
90.6	91.1	32.36	8.57	25.12	
100.1	100.7	32.37	8.55	25.13	1.69
110.0	110.6	32.38	8.54	25.14	
120.5	121.2	32.38	8.53	25.14	
125.5	126.1	32.39	8.52	25.15	1.58
130.4	131.1	32.40	8.52	25.16	
135.0	135.7	32.40	8.52	25.16	

COASTAL ZONE OCEANOGRAPHY
CRUISE NO: 7 ALBERNI PROGRAM
LAT N 49 5.50
DATE 4/10/79
TIME (PST) 1315

TAPE: U01166 -111
LONG W 124 49.50
PASS NO. 7
STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.2	.2	23.47	13.82	17.33
2.0	2.0	25.02	13.47	18.60
5.0	5.0	29.95	12.76	22.53
9.9	9.9	31.46	12.46	23.76
14.9	14.9	31.72	12.28	24.00
20.0	20.1	31.75	11.59	24.15
24.9	25.0	31.83	11.09	24.29
29.9	30.0	31.85	10.88	24.35
34.9	35.0	31.98	10.35	24.54
39.9	40.1	32.05	9.97	24.66
44.8	45.0	32.06	9.89	24.68
49.8	50.0	32.09	9.81	24.71
59.7	60.0	32.19	9.47	24.85
69.7	70.0	32.26	9.34	24.92
79.6	80.0	32.32	9.23	24.99
89.6	90.0	32.35	9.17	25.02
100.5	101.0	32.36	9.16	25.03
110.2	110.7	32.37	9.15	25.04
111.3	111.9	32.37	9.15	25.04

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 7 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 4/10/79
 TIME (PST) 1346

TAPE: U01166 -112
 LONG W 124 51.11
 PASS NO. 9
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.9	1.9	28.33	13.36	21.16
5.1	5.1	31.08	13.06	23.35
10.0	10.0	31.60	12.79	23.80
15.0	15.0	31.71	12.51	23.94
19.9	20.0	31.80	12.22	24.07
24.9	25.0	31.85	11.78	24.19
29.9	30.1	31.87	11.49	24.26
34.9	35.0	31.91	11.04	24.37
39.8	40.0	31.93	10.65	24.45
44.9	45.1	32.00	10.20	24.58
49.8	50.0	32.05	9.92	24.67
59.7	60.0	32.15	9.59	24.79
69.7	70.0	32.35	9.32	24.99
79.6	80.0	32.69	8.53	25.39
89.5	89.9	32.80	8.33	25.50
100.5	101.0	32.85	8.21	25.56
110.4	111.0	32.90	8.23	25.59
120.4	121.0	32.92	8.19	25.62
130.3	131.0	32.94	8.14	25.64
140.2	141.0	32.95	8.13	25.64
150.1	150.9	32.98	8.10	25.67
160.1	161.0	33.00	8.10	25.69
170.0	171.0	33.02	8.11	25.71
179.9	181.0	33.03	8.12	25.71
189.9	191.1	33.05	8.12	25.72
199.9	201.1	33.06	8.14	25.73
224.5	225.9	33.06	8.13	25.74
250.4	252.0	33.07	8.13	25.74
275.2	277.0	33.08	8.13	25.75
285.0	286.8	33.08	8.13	25.75

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 7 ALBERNI PROGRAM

LAT N 48 59.58

DATE 4/10/79

TIME (PST) 0143

TAPE: U01166 -113

LONG W 124 53.38

PASS NO. 11

STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.1	.1	25.08	13.93	18.55	
1.9	2.0	29.43	13.18	22.05	
5.0	5.0	31.19	12.81	23.48	
10.0	10.1	31.41	12.80	23.66	
14.9	14.9	31.72	12.37	23.97	
20.0	20.1	31.88	11.97	24.17	
25.0	25.1	31.95	11.40	24.34	
29.8	30.0	31.96	11.32	24.35	
34.9	35.1	32.03	10.89	24.48	
39.9	40.1	32.06	10.07	24.65	
44.8	45.0	32.12	9.86	24.73	
49.7	49.9	32.32	9.57	24.93	3.11
59.7	60.0	32.65	8.97	25.28	
69.7	70.0	32.78	8.57	25.45	
74.6	75.0	32.80	8.54	25.47	1.97
79.6	80.0	32.81	8.52	25.48	
90.5	91.0	32.89	8.44	25.56	
100.4	101.0	32.93	8.38	25.59	1.71
110.4	111.0	32.96	8.30	25.63	
120.3	121.0	32.98	8.25	25.66	
125.3	126.0	33.00	8.20	25.68	1.78
130.2	130.9	33.02	8.17	25.69	
140.2	141.0	33.02	8.16	25.70	
150.2	151.0	33.03	8.16	25.71	1.83
160.1	161.0	33.03	8.15	25.71	
170.0	171.0	33.04	8.14	25.72	
179.9	181.0	33.05	8.14	25.73	
189.9	191.0	33.06	8.13	25.74	
199.7	200.9	33.06	8.13	25.74	1.73
224.6	226.0	33.07	8.13	25.74	
250.5	252.1	33.07	8.13	25.74	1.82
275.2	277.0	33.07	8.13	25.75	
300.0	302.0	33.07	8.13	25.75	1.75
303.9	305.9	33.07	8.13	25.74	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 7 ALBERNI PROGRAM
 LAT N 48 58.78
 DATE 4/10/79
 TIME (PST) 0000

TAPE: U01166 -114
 LONG W 124 57.80
 PASS NO. 13
 STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.9	1.9	29.75	13.02	22.33
5.0	5.0	30.92	12.85	23.27
10.0	10.0	31.69	12.38	23.95
15.0	15.1	31.78	12.06	24.08
20.0	20.1	31.84	11.89	24.16
24.8	24.9	31.97	11.55	24.32
29.9	30.0	32.03	11.10	24.45
34.9	35.1	32.04	10.62	24.54
39.8	40.0	32.10	10.08	24.68
44.7	44.9	32.29	9.77	24.88
49.8	50.0	32.35	9.68	24.94
59.8	60.1	32.71	8.88	25.35
69.6	70.0	32.85	8.62	25.50
79.6	80.0	32.91	8.63	25.54
89.5	90.0	32.95	8.58	25.58
99.5	100.1	32.96	8.53	25.60
110.3	111.0	32.98	8.38	25.64
120.3	120.9	33.00	8.31	25.66
130.2	131.0	33.01	8.24	25.68
140.2	141.0	33.03	8.21	25.70
150.2	151.1	33.05	8.16	25.72
160.1	161.1	33.05	8.15	25.72
169.9	170.9	33.06	8.15	25.73
179.8	180.9	33.06	8.14	25.73
185.9	187.0	33.06	8.14	25.73

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 7 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 4/10/79
 TIME (PST) 1634

TAPE: U01166 -115
 LONG W 125 1.30
 PASS NO. 15
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.5	.5	28.41	13.64	21.18	
2.0	2.0	29.71	13.33	22.24	
5.1	5.1	30.91	12.87	23.26	
9.9	9.9	31.61	12.33	23.89	
14.9	15.0	31.75	11.93	24.08	
19.9	19.9	31.76	11.87	24.10	
24.9	25.0	31.83	11.76	24.18	
29.9	30.0	31.93	11.64	24.27	
34.9	35.1	31.99	11.41	24.36	
39.8	40.0	32.06	11.20	24.45	
44.8	45.0	32.11	10.80	24.56	
49.8	50.0	32.20	10.37	24.71	3.62
59.6	59.9	32.43	9.65	25.00	
69.6	70.0	32.68	9.20	25.27	
74.6	75.0	32.73	9.04	25.34	2.17
79.7	80.1	32.79	8.97	25.40	
89.6	90.1	32.89	8.74	25.51	
100.4	100.9	32.95	8.65	25.57	1.75
110.5	111.1	32.97	8.60	25.60	
120.3	121.0	32.99	8.47	25.63	
125.3	126.0	32.99	8.43	25.64	1.61
130.3	131.0	33.01	8.27	25.68	
140.3	141.1	33.02	8.23	25.68	
150.1	151.0	33.02	8.22	25.69	1.42
160.0	161.0	33.03	8.19	25.70	
170.0	171.0	33.03	8.18	25.70	
179.9	181.0	33.03	8.18	25.70	
189.8	190.9	33.03	8.18	25.70	
199.8	201.0	33.03	8.18	25.70	1.55
224.6	226.0	33.04	8.17	25.71	
228.3	229.7	33.04	8.16	25.71	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 7 ALBERNI PROGRAM
 LAT N 48 57.72
 DATE 4/10/79
 TIME (PST) 1753

TAPE: U01166 -116
 LONG W 125 4.48
 PASS NO. 17
 STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.4	.4	29.79	13.42	22.28
2.0	2.0	29.82	13.44	22.30
5.0	5.0	30.17	13.30	22.60
9.9	9.9	31.21	12.75	23.51
14.9	14.9	31.67	12.07	23.99
19.9	20.0	31.72	11.96	24.05
25.0	25.1	31.75	11.92	24.08
29.9	30.1	31.83	11.60	24.20
34.9	35.0	31.91	11.48	24.29
39.8	40.0	32.02	11.26	24.41
44.7	44.9	32.06	11.15	24.46
49.7	49.9	32.13	10.91	24.56
59.8	60.1	32.28	10.35	24.77
69.6	69.9	32.58	9.48	25.15
79.6	80.0	32.76	9.01	25.37
90.4	90.9	32.84	8.85	25.46
99.5	100.1	32.90	8.74	25.52
110.4	111.0	32.93	8.65	25.55
120.4	121.0	32.93	8.64	25.56
130.3	131.0	32.93	8.63	25.56
134.1	134.9	32.93	8.63	25.56

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 7 ALBERNI PROGRAM
 LAT N 48 58.20
 DATE 4/10/79
 TIME (PST) 1831

TAPE: U01166 -117
 LONG W 125 7.80
 PASS NO. 19
 STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
10.1	10.1	31.34	12.73	23.62	
15.0	15.0	31.43	12.14	23.79	
19.9	19.9	31.63	12.36	23.91	
25.0	25.1	31.74	12.15	24.03	
29.9	30.0	31.75	11.77	24.11	
34.8	35.0	31.84	11.70	24.19	
39.9	40.1	31.90	11.61	24.26	
44.8	45.0	32.02	11.46	24.37	
49.8	50.0	32.10	11.04	24.51	3.91
59.7	60.0	32.25	10.48	24.73	
69.8	70.1	32.58	9.53	25.14	
74.5	74.9	32.84	8.93	25.44	2.02
79.6	80.0	32.89	8.81	25.50	
89.6	90.0	32.94	8.80	25.54	
91.2	91.7	32.96	8.75	25.56	

CRUISE NO: 7 ALBERNI PROGRAM
 LAT N 48 54.15
 DATE 4/10/79
 TIME (PST) 1925

TAPE: U01166 -118
 LONG W 125 12.95
 PASS NO. 21
 STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.9	1.9	29.56	14.28	21.93
5.1	5.1	29.78	14.00	22.16
10.1	10.2	31.11	12.15	23.55
15.0	15.1	31.35	10.93	23.95
19.9	20.0	31.47	10.88	24.05
24.6	24.7	31.63	11.26	24.11
29.9	30.0	31.83	11.56	24.21
35.0	35.2	31.93	11.45	24.31
39.9	40.0	32.00	11.31	24.39
44.7	44.9	32.04	11.28	24.42
49.7	49.9	32.13	11.08	24.53
59.8	60.1	32.25	10.71	24.68
69.7	70.0	32.59	9.62	25.14
79.6	80.0	32.81	9.04	25.40
90.3	90.8	33.02	8.66	25.62
90.3	90.8	33.02	8.66	25.62

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 7 ALBERNI PROGRAM

LAT N 48 50.05

DATE 4/10/79

TIME (PST) 1957

TAPE: U01166 -119

LONG W 125 15.80

PASS NO. 23

STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.1	.1	30.79	12.13	23.30	
2.1	2.1	30.90	12.02	23.40	
5.0	5.1	30.90	11.86	23.44	
10.5	10.5	31.26	11.08	23.85	
14.9	15.0	31.34	10.80	23.96	
19.8	19.9	31.38	10.69	24.01	
25.1	25.2	31.41	10.67	24.04	
29.9	30.0	31.41	10.66	24.04	
35.0	35.1	31.51	10.76	24.11	
39.9	40.0	31.78	10.64	24.33	
44.6	44.8	31.98	10.72	24.48	
50.1	50.4	32.27	10.46	24.75	3.56
59.7	59.9	32.68	9.55	25.22	
69.6	69.9	32.83	9.08	25.41	
74.7	75.1	32.92	8.90	25.51	2.08
79.6	80.0	32.96	8.78	25.56	
88.3	88.8	33.00	8.71	25.60	

CRUISE NO: 7 ALBERNI PROGRAM

LAT N 48 48.20

DATE 4/10/79

TIME (PST) 2037

TAPE: U01166 -120

LONG W 125 14.40

PASS NO. 25

STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.0	2.0	31.13	11.32	23.71
4.9	4.9	31.11	11.35	23.69
10.0	10.0	31.29	11.02	23.89
15.0	15.0	31.29	11.00	23.89
19.9	20.0	31.34	10.84	23.96
25.2	25.3	31.45	10.83	24.04
30.0	30.1	31.71	10.72	24.27
34.6	34.7	31.87	10.52	24.43
34.6	34.7	31.87	10.52	24.43

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 7 ALBERNI PROGRAM

LAT N 48 51.50

DATE 4/10/79

TIME (PST) 2117

TAPE: U01166 -121

LONG W 125 8.10

PASS NO. 27

STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.4	.4	29.91	13.24	22.41	
2.1	2.1	30.11	13.06	22.60	
4.9	4.9	30.22	12.98	22.70	
9.9	10.0	31.05	11.92	23.54	
14.9	15.0	31.42	11.33	23.93	
19.8	19.9	31.45	11.32	23.96	
24.9	25.0	31.52	11.45	23.99	
29.9	30.1	31.61	11.41	24.07	
34.9	35.0	31.70	11.36	24.15	
39.9	40.1	31.97	11.25	24.37	
44.8	45.0	32.07	10.95	24.51	
49.7	49.9	32.17	10.60	24.64	3.68
59.6	59.9	32.30	9.99	24.85	
69.7	70.1	32.46	9.47	25.06	
74.7	75.1	32.55	9.23	25.17	1.57
79.6	80.0	32.62	9.05	25.25	
89.6	90.1	32.80	8.63	25.45	
100.4	101.0	32.86	8.49	25.52	.84
110.4	111.0	32.87	8.47	25.53	
120.4	121.0	32.93	8.37	25.59	
122.4	123.1	32.93	8.37	25.60	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 7 ALBERNI PROGRAM
 LAT N 48 53.78
 DATE 4/10/79
 TIME (PST) 2204

TAPE: U01166 -122
 LONG W 125 3.05
 PASS NO. 29
 STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.3	.3	30.22	12.75	22.74
2.0	2.0	30.26	12.69	22.78
5.1	5.1	30.67	12.31	23.18
10.0	10.0	31.46	11.70	23.90
15.0	15.0	31.58	11.83	23.97
19.9	20.0	31.61	11.68	24.02
24.9	25.0	31.75	11.66	24.13
29.9	30.0	31.88	11.72	24.22
34.8	35.0	31.99	11.51	24.35
39.7	39.9	32.13	10.99	24.54
44.8	45.0	32.25	10.49	24.73
49.8	50.1	32.43	9.82	24.98
59.7	60.0	32.56	9.30	25.16
69.6	70.0	32.79	8.70	25.44
79.6	80.0	32.86	8.55	25.52
89.5	90.0	32.93	8.44	25.58
100.3	100.9	32.94	8.38	25.60
110.4	111.0	32.97	8.30	25.64
120.4	121.0	32.99	8.26	25.66
130.2	131.0	33.00	8.24	25.67
140.3	141.1	33.01	8.22	25.68
150.1	151.0	33.02	8.21	25.69
160.0	160.9	33.01	8.21	25.68
165.9	166.9	33.01	8.21	25.68

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 7 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 4/10/79
 TIME (PST) 2239

TAPE: U01166 -123
 LONG W 125 1.30
 PASS NO. 31
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T
10.2	10.3	31.57	12.19	23.89
14.9	15.0	31.65	12.14	23.96
19.9	20.0	31.66	12.14	23.98
24.8	24.9	31.76	11.98	24.08
29.9	30.1	31.87	11.77	24.20
34.8	35.0	31.94	11.60	24.29
39.8	40.0	31.98	11.44	24.35
44.7	44.9	32.10	10.97	24.52
49.8	50.0	32.12	10.85	24.57
59.8	60.1	32.32	10.20	24.83
69.6	70.0	32.58	9.45	25.15
79.6	80.0	32.78	8.98	25.38
90.6	91.1	32.89	8.77	25.51
100.4	101.0	32.94	8.69	25.55
110.3	111.0	32.96	8.61	25.58
120.4	121.1	32.99	8.47	25.63
130.2	131.0	33.01	8.30	25.67
140.1	141.0	33.02	8.24	25.69
150.0	150.9	33.02	8.22	25.69
160.1	161.0	33.03	8.21	25.69
169.9	170.9	33.03	8.19	25.70
179.9	181.0	33.04	8.17	25.71
189.9	191.1	33.04	8.17	25.71
199.8	201.0	33.04	8.17	25.71
219.5	220.9	33.04	8.16	25.71

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 7 ALBERNI PROGRAM
 LAT N 48 59.58
 DATE 5/10/79
 TIME (PST) 1430

TAPE: U01166 -124
 LONG W 124 53.38
 PASS NO. 1
 STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.2	.2	29.61	13.14	22.20
2.0	2.0	29.93	13.06	22.46
5.0	5.0	30.96	12.81	23.30
10.0	10.0	31.51	12.48	23.80
15.0	15.0	31.69	12.31	23.97
19.9	20.0	31.74	12.17	24.03
24.9	25.0	31.85	11.91	24.17
29.8	30.0	31.95	11.59	24.30
34.8	34.9	31.99	11.06	24.42
39.8	40.0	32.05	10.20	24.62
44.9	45.1	32.12	9.81	24.74
49.8	50.0	32.27	9.59	24.89
59.7	60.0	32.58	9.02	25.22
69.7	70.0	32.70	8.74	25.36
79.6	80.0	32.81	8.59	25.47
89.5	90.0	32.90	8.51	25.55
100.4	100.9	32.93	8.48	25.58
110.4	111.0	32.96	8.40	25.61
120.4	121.1	32.97	8.34	25.63
130.2	131.0	32.98	8.31	25.64
140.2	141.0	33.00	8.22	25.67
150.1	151.0	33.01	8.21	25.68
160.0	161.0	33.01	8.20	25.68
170.0	171.0	33.02	8.18	25.70
179.9	181.0	33.04	8.16	25.71
189.8	191.0	33.05	8.14	25.72
198.8	200.0	33.05	8.14	25.73

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 7 ALBERNI PROGRAM

LAT N 48 59.58

DATE 5/10/79

TIME (PST) 1453

TAPE: U01166 -125

LONG W 124 53.38

PASS NO. 3

STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.9	1.9	30.10	13.11	22.58
5.0	5.0	30.17	13.03	22.65
10.0	10.0	31.48	12.50	23.77
14.9	15.0	31.68	12.35	23.95
19.9	20.0	31.73	12.22	24.01
24.8	25.0	31.85	11.91	24.16
29.9	30.0	31.94	11.68	24.27
34.8	34.9	32.00	10.96	24.45
39.8	40.0	32.08	10.06	24.66
44.8	45.0	32.14	9.76	24.76
49.7	50.0	32.24	9.63	24.86
59.7	60.0	32.62	8.94	25.26
69.6	70.0	32.75	8.65	25.41
79.5	80.0	32.80	8.58	25.46
90.5	91.0	32.88	8.51	25.54
100.4	101.0	32.94	8.46	25.59
110.4	111.0	32.96	8.37	25.62
120.4	121.1	32.98	8.30	25.64
130.3	131.0	32.99	8.26	25.66
140.2	141.0	33.00	8.22	25.68
150.1	151.0	33.01	8.19	25.69
160.0	161.0	33.02	8.18	25.70
169.9	171.0	33.03	8.18	25.70
179.9	181.0	33.04	8.16	25.71
189.8	191.0	33.04	8.15	25.72
197.7	199.0	33.05	8.14	25.73

CRUISE NO: 8 ALBERNI PROGRAM

LAT N 49 12.16

DATE 28/11/79

TIME (PST) 1048

TAPE: U01166 -126

LONG W 124 49.02

PASS NO. 1

STN: A0

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.9	1.9	12.90	9.12	9.86
5.0	5.0	30.12	10.56	23.06
10.0	10.0	31.36	10.99	23.95
15.0	15.0	31.48	10.89	24.05
19.9	20.0	31.50	10.68	24.11
25.0	25.1	31.55	10.64	24.15
30.0	30.1	31.60	10.60	24.20
34.9	35.1	31.64	10.48	24.25
40.0	40.1	31.68	10.40	24.29
44.8	45.0	31.71	10.33	24.33
49.6	49.8	31.74	10.28	24.37

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 8 ALBERNI PROGRAM

LAT N 49 9.91

DATE 28/11/79

TIME (PST) 1116

TAPE: U01166 -127

LONG W 124 48.62

PASS NO. 3

STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.5	2.5	28.39	10.80	21.67
5.0	5.0	28.95	10.86	22.09
10.0	10.0	31.20	11.06	23.81
14.9	14.9	31.48	10.99	24.04
19.9	20.0	31.57	10.94	24.12
24.9	25.0	31.61	10.86	24.16
30.0	30.1	31.64	10.83	24.20
35.0	35.1	31.67	10.74	24.23
39.9	40.1	31.68	10.70	24.25
44.8	45.0	31.74	10.56	24.31
49.9	50.1	31.75	10.47	24.34
59.8	60.0	31.79	10.28	24.40
69.7	70.0	31.90	9.95	24.54
79.6	80.0	32.10	9.49	24.78
89.6	90.0	32.17	9.29	24.86
92.4	92.9	32.18	9.26	24.87

CRUISE NO: 8 ALBERNI PROGRAM

LAT N 49 7.15

DATE 28/11/79

TIME (PST) 1203

TAPE: U01166 -128

LONG W 124 48.80

PASS NO. 5

STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.6	2.6	25.17	10.22	19.25	
5.0	5.0	27.56	10.72	21.03	
10.0	10.1	31.54	11.14	24.06	
14.9	15.0	31.54	11.10	24.07	
19.9	20.0	31.61	11.07	24.13	
24.9	25.0	31.67	10.99	24.19	
29.9	30.0	31.74	10.79	24.28	
34.9	35.0	31.75	10.68	24.31	
39.8	40.0	31.78	10.64	24.34	
44.8	45.0	31.82	10.47	24.39	
49.8	50.0	31.84	10.33	24.44	2.79
59.7	60.0	31.93	9.86	24.58	
69.6	69.9	32.08	9.50	24.76	
74.6	74.9	32.15	9.34	24.84	1.51
79.7	80.0	32.18	9.24	24.87	
89.7	90.1	32.18	9.22	24.88	
100.5	101.0	32.19	9.21	24.89	1.38
110.4	111.0	32.20	9.18	24.90	
120.4	121.0	32.21	9.16	24.91	
125.3	125.9	32.22	9.14	24.92	1.94
126.4	127.0	32.22	9.14	24.92	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 8 ALBERNI PROGRAM

LAT N 49 5.50

DATE 28/11/79

TIME (PST) 1255

TAPE: U01166 -129

LONG W 124 49.50

PASS NO. 7

STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.5	2.5	27.19	10.33	20.81
5.0	5.0	28.09	10.68	21.45
10.0	10.0	31.47	11.37	23.97
14.9	15.0	31.63	11.66	24.04
20.0	20.1	31.73	11.58	24.13
24.9	25.0	31.75	11.49	24.16
29.8	29.9	31.79	11.31	24.23
34.9	35.0	31.80	10.99	24.29
39.8	40.0	31.78	10.93	24.28
44.8	45.0	31.83	10.64	24.38
49.7	49.9	31.86	10.45	24.43
59.8	60.0	31.86	10.43	24.43
69.7	70.0	31.89	10.36	24.47
79.7	80.1	31.92	10.34	24.49
89.6	90.0	31.94	10.28	24.52
99.6	100.0	31.95	10.28	24.52
104.6	105.1	31.95	10.29	24.53

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 8 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 28/11/79
 TIME (PST) 1339

TAPE: U01166 -130
 LONG W 124 51.11
 PASS NO. 9
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.9	1.9	28.58	10.94	21.79
5.0	5.0	30.49	11.42	23.20
10.1	10.1	31.62	11.70	24.02
14.9	15.0	31.74	11.78	24.10
19.9	20.0	31.78	11.64	24.16
24.9	25.0	31.81	11.42	24.22
30.0	30.1	31.84	11.17	24.28
34.9	35.0	31.82	10.98	24.31
39.8	40.0	31.83	10.86	24.34
44.7	44.9	31.84	10.68	24.38
49.7	50.0	31.86	10.59	24.40
59.7	60.0	31.90	10.46	24.46
69.7	70.0	32.08	10.39	24.61
79.7	80.1	32.15	10.13	24.71
89.5	89.9	32.30	9.72	24.89
99.5	100.0	32.55	9.16	25.18
110.5	111.1	32.74	8.69	25.40
120.4	121.0	32.81	8.46	25.49
130.2	130.9	32.87	8.33	25.55
140.3	141.1	32.89	8.33	25.57
150.1	151.0	32.91	8.32	25.59
160.2	161.1	32.93	8.28	25.61
170.0	171.0	32.94	8.25	25.62
179.9	181.0	32.95	8.24	25.63
179.9	181.0	32.95	8.24	25.63

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 8 ALBERNI PROGRAM

LAT N 48 59.58

DATE 28/11/79

TIME (PST) 1421

TAPE: U01166 -131

LONG W 124 53.38

PASS NO. 11

STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
1.0	1.0	25.91	9.89	19.89	
2.0	2.0	26.62	9.98	20.42	
4.9	4.9	26.55	10.05	20.36	
9.9	9.9	31.10	11.78	23.61	
15.0	15.0	31.76	11.76	24.12	
19.9	19.9	31.83	11.69	24.19	
24.9	25.0	31.84	11.52	24.22	
30.0	30.1	31.85	11.28	24.28	
34.8	35.0	31.85	11.24	24.29	
39.9	40.0	31.86	11.17	24.31	
44.8	45.0	31.87	11.07	24.33	
49.8	50.0	31.89	10.92	24.37	3.93
59.7	60.0	31.97	10.72	24.47	
69.8	70.1	32.04	10.72	24.52	
74.6	74.9	32.12	10.51	24.62	3.33
79.7	80.1	32.18	10.35	24.69	
89.6	90.1	32.33	9.83	24.90	
99.6	100.1	32.61	9.18	25.22	1.86
110.5	111.0	32.75	8.84	25.38	
120.5	121.1	32.81	8.70	25.45	
125.4	126.0	32.85	8.61	25.49	1.63
130.2	130.9	32.87	8.56	25.52	
140.1	140.9	32.91	8.46	25.57	
150.2	151.1	32.92	8.41	25.58	1.57
160.1	161.0	32.93	8.40	25.59	
170.2	171.2	32.95	8.36	25.61	
180.0	181.0	32.95	8.35	25.61	
189.9	190.9	32.97	8.32	25.63	
199.8	200.9	32.98	8.29	25.65	1.56
224.6	226.0	32.99	8.24	25.67	
249.6	251.1	33.00	8.22	25.67	1.63
275.2	276.9	33.00	8.22	25.68	
300.2	302.1	33.00	8.21	25.68	1.61
300.2	302.1	33.00	8.21	25.68	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 8 ALBERNI PROGRAM
 LAT N 48 58.78
 DATE 28/11/79
 TIME (PST) 1522

TAPE: U01166 -132
 LONG W 124 57.80
 PASS NO. 13
 STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.9	.9	28.39	10.46	21.72
2.0	2.0	28.41	10.46	21.74
5.1	5.1	28.41	10.46	21.74
10.0	10.0	31.49	11.59	23.94
15.0	15.0	31.86	11.63	24.22
19.9	19.9	31.88	11.57	24.25
24.9	25.0	31.89	11.55	24.26
30.0	30.1	31.91	11.43	24.30
34.9	35.0	31.93	11.43	24.31
39.8	39.9	31.94	11.34	24.34
44.8	45.0	31.95	11.29	24.35
49.8	50.1	31.98	11.22	24.39
59.8	60.1	32.03	11.12	24.44
69.7	70.0	32.10	11.01	24.52
79.6	80.0	32.19	10.67	24.65
89.6	90.0	32.29	10.19	24.81
100.5	101.0	32.59	9.32	25.18
110.5	111.1	32.75	8.94	25.37
120.4	121.1	32.86	8.69	25.50
130.3	131.0	32.89	8.54	25.54
140.2	140.9	32.91	8.48	25.57
150.1	151.0	32.92	8.46	25.58
160.1	161.0	32.95	8.41	25.60
170.0	171.0	32.95	8.36	25.62
175.8	176.8	32.96	8.36	25.62

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 8 ALBERNI PROGRAM

LAT N 48 57.02

DATE 28/11/79

TIME (PST) 1557

TAPE: U01166 -133

LONG W 125 1.30

PASS NO. 15

STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.1	2.1	29.64	10.95	22.61	
4.9	5.0	29.62	10.94	22.60	
10.0	10.1	30.75	11.35	23.41	
14.9	15.0	31.70	11.46	24.13	
20.0	20.1	31.79	11.28	24.23	
24.9	25.0	31.84	11.21	24.28	
29.9	30.0	31.87	11.09	24.33	
34.8	35.0	31.88	11.08	24.33	
39.7	39.9	31.90	11.10	24.35	
44.8	45.0	31.91	11.09	24.36	
49.9	50.1	31.91	11.09	24.36	5.15
59.7	60.0	32.02	11.01	24.46	
69.7	70.0	32.07	10.96	24.50	
74.6	75.0	32.17	10.79	24.61	4.18
79.6	80.0	32.19	10.74	24.64	
89.5	90.0	32.49	9.71	25.04	
100.5	101.0	32.54	9.50	25.12	2.20
110.5	111.1	32.72	8.94	25.34	
120.4	121.0	32.81	8.73	25.45	
125.4	126.1	32.83	8.69	25.47	1.47
130.3	131.0	32.88	8.58	25.52	
140.2	141.0	32.91	8.50	25.56	
150.2	151.0	32.92	8.47	25.57	1.31
160.0	160.9	32.93	8.43	25.59	
170.0	171.0	32.94	8.42	25.59	
179.9	180.9	32.94	8.41	25.60	
189.7	190.8	32.94	8.41	25.60	
199.8	201.0	32.94	8.40	25.60	1.31
203.6	204.8	32.95	8.40	25.61	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 8 ALBERNI PROGRAM

LAT N 48 57.72

DATE 28/11/79

TIME (PST) 1647

TAPE: U01166 -134

LONG W 125 4.48

PASS NO. 17

STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.7	2.7	30.66	11.19	23.37
5.0	5.0	30.94	11.26	23.57
10.0	10.0	31.73	11.20	24.19
15.0	15.0	31.75	11.28	24.20
19.8	19.9	31.75	11.21	24.21
24.9	25.1	31.81	11.11	24.28
29.8	29.9	31.82	11.05	24.29
34.9	35.0	31.85	11.10	24.31
39.8	40.0	31.88	11.11	24.33
44.7	44.9	31.89	11.03	24.35
49.8	50.0	31.88	11.03	24.35
59.7	60.0	32.00	11.07	24.43
69.7	70.0	32.11	11.02	24.52
69.7	70.0	32.11	11.02	24.52

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 8 ALBERNI PROGRAM

LAT N 48 58.20

DATE 28/11/79

TIME (PST) 1719

TAPE: U01166 -135

LONG W 125 7.80

PASS NO. 19

STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
1.4	1.4	28.88	9.74	22.22	
4.9	5.0	28.97	9.89	22.27	
10.6	10.6	30.57	11.11	23.31	
14.8	14.9	31.74	11.69	24.12	
20.6	20.7	31.76	10.93	24.27	
25.0	25.1	31.82	11.35	24.24	
29.8	29.9	31.88	11.45	24.27	
34.9	35.0	31.93	11.46	24.30	
39.8	40.0	31.93	11.26	24.34	
44.9	45.1	31.99	11.17	24.41	
49.8	50.1	32.05	11.17	24.45	4.75
59.7	60.0	32.13	11.05	24.54	
69.4	69.8	32.20	10.86	24.62	
74.7	75.0	32.21	10.80	24.64	3.78
79.7	80.1	32.24	10.70	24.68	
83.5	83.9	32.25	10.63	24.70	

CRUISE NO: 8 ALBERNI PROGRAM

LAT N 48 54.15

DATE 28/11/79

TIME (PST) 1813

TAPE: U01166 -136

LONG W 125 12.95

PASS NO. 21

STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.6	1.6	31.10	10.58	23.82
5.0	5.0	31.15	10.59	23.85
10.0	10.1	31.17	10.59	23.87
14.9	15.0	31.48	10.79	24.08
19.9	20.0	31.56	10.95	24.11
25.0	25.1	31.58	10.92	24.13
29.7	29.9	31.60	10.96	24.14
34.8	35.0	31.80	11.67	24.17
39.6	39.8	31.93	11.70	24.27
44.7	44.9	31.97	11.63	24.31
49.8	50.0	31.96	11.32	24.35
59.7	60.0	32.12	11.18	24.51
69.7	70.0	32.18	10.79	24.62
79.6	80.0	32.27	10.58	24.73
90.5	91.0	32.38	10.16	24.88
92.4	92.8	32.41	10.06	24.92

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 8 ALBERNI PROGRAM

LAT N 48 50.05

DATE 28/11/79

TIME (PST) 1847

TAPE: U01166 -137

LONG W 125 15.80

PASS NO. 22

STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.1	2.1	31.32	10.53	24.00	
5.1	5.1	31.33	10.53	24.00	
10.0	10.0	31.34	10.53	24.01	
14.9	15.0	31.41	10.59	24.06	
20.1	20.1	31.47	10.64	24.09	
24.8	25.0	31.52	10.67	24.13	
29.7	29.9	31.74	11.18	24.21	
34.8	35.0	32.01	11.63	24.34	
39.9	40.1	32.06	11.74	24.36	
44.7	44.9	32.11	11.78	24.39	
49.8	50.1	32.16	11.74	24.43	5.85
59.7	60.0	32.24	11.71	24.50	
69.8	70.1	32.32	11.48	24.61	
74.5	74.9	32.38	11.28	24.69	5.03
79.6	80.0	32.39	11.26	24.70	
82.4	82.8	32.43	11.28	24.72	

CRUISE NO: 8 ALBERNI PROGRAM

LAT N 48 48.20

DATE 28/11/79

TIME (PST) 1745

TAPE: U01166 -138

LONG W 125 14.40

PASS NO. 25

STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.1	2.1	31.58	10.91	24.13
4.9	4.9	31.58	10.91	24.13
9.9	10.0	31.57	10.90	24.13
15.0	15.1	31.60	10.95	24.14
19.9	20.0	31.80	11.29	24.24
23.9	24.0	31.85	11.36	24.26
67.7	68.0	32.30	11.53	24.58
69.8	70.1	32.32	11.48	24.61
74.5	74.9	32.38	11.28	24.69

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 8 ALBERNI PROGRAM
 LAT N 48 51.50
 DATE 28/11/79
 TIME (PST) 2023

TAPE: U01166 -139
 LONG W 125 8.10
 PASS NO. 27
 STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
1.6	1.6	31.51	10.95	24.07	
5.1	5.2	31.52	10.95	24.08	
10.0	10.0	31.51	10.95	24.07	
14.9	15.0	31.52	10.94	24.08	
19.8	19.9	31.53	10.93	24.09	
24.8	24.9	31.56	11.02	24.10	
29.9	30.1	31.80	11.33	24.23	
34.8	34.9	31.87	11.37	24.27	
39.9	40.1	31.90	11.33	24.30	
44.9	45.1	31.93	11.34	24.33	
49.7	49.9	31.92	11.25	24.34	5.42
59.7	60.0	31.95	11.11	24.39	
69.6	69.9	32.08	10.83	24.53	
74.7	75.1	32.11	10.68	24.58	3.92
79.6	79.9	32.15	10.46	24.65	
89.6	90.0	32.34	9.94	24.89	
100.4	101.0	32.62	9.22	25.22	1.18
110.2	110.7	32.75	8.93	25.37	
110.2	110.7	32.75	8.93	25.37	

CRUISE NO: 8 ALBERNI PROGRAM
 LAT N 48 53.78
 DATE 28/11/79
 TIME (PST) 2107

TAPE: U01166 -140
 LONG W 125 3.05
 PASS NO. 29
 STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
5.0	5.0	30.88	11.08	23.56
10.0	10.0	31.26	11.32	23.81
15.0	15.1	31.64	11.63	24.05
19.9	20.0	31.83	11.37	24.24
24.9	25.0	31.87	11.55	24.24
29.9	30.1	31.87	11.54	24.24
34.9	35.0	31.91	11.33	24.31
39.8	40.0	31.92	11.39	24.31
44.9	45.1	31.96	11.41	24.34
49.7	50.0	31.98	11.36	24.36
59.6	59.9	32.03	11.20	24.43
69.6	69.9	32.11	10.90	24.55
79.6	80.0	32.22	10.44	24.71
89.6	90.0	32.37	9.89	24.92
100.5	101.0	32.63	9.13	25.24
110.4	111.0	32.76	8.81	25.40
120.3	120.9	32.84	8.64	25.49
130.2	131.0	32.88	8.55	25.53
140.3	141.0	32.91	8.49	25.56
144.9	145.7	32.92	8.46	25.58

1980 CTD data

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 9 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 8/ 2/80
 TIME (PST) 1503

TAPE: U01166 -141
 LONG W 125 1.30
 PASS NO. 42
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
1.0	1.0	21.87	7.74	17.02	
1.8	1.8	24.04	7.69	18.72	
5.0	5.0	25.38	7.85	19.75	
10.0	10.0	30.04	8.40	23.32	
15.1	15.1	30.33	8.35	23.56	
19.9	20.0	30.46	8.28	23.67	
25.0	25.1	31.10	9.13	24.05	
29.9	30.0	31.46	9.63	24.25	
34.9	35.0	31.61	9.96	24.31	
39.9	40.0	31.71	10.10	24.37	
44.8	45.0	31.76	9.96	24.43	
49.8	50.0	31.85	10.00	24.50	5.26
59.7	60.0	31.99	9.92	24.61	
69.7	70.0	32.10	9.84	24.72	
74.7	75.0	32.12	9.83	24.74	5.21
79.6	80.0	32.15	9.81	24.76	
89.7	90.1	32.19	9.76	24.80	
99.5	100.0	32.24	9.73	24.85	5.16
110.5	111.0	32.33	9.67	24.92	
120.4	121.0	32.45	9.53	25.04	
125.3	126.0	32.59	9.31	25.19	2.06
130.4	131.0	32.69	9.09	25.30	
140.3	141.0	32.77	8.87	25.40	
150.2	151.0	32.81	8.77	25.44	1.38
160.3	161.1	32.82	8.74	25.45	
170.2	171.1	32.83	8.69	25.47	
180.0	181.0	32.84	8.66	25.49	
189.9	190.9	32.85	8.65	25.49	
199.9	201.1	32.85	8.65	25.49	1.34
214.7	216.0	32.85	8.65	25.49	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 9 ALBERNI PROGRAM
LAT N 48 53.78
DATE 8/ 2/80
TIME (PST) 1559

TAPE: U01166 -142
LONG W 125 3.05
PASS NO. 44
STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.2	2.3	25.85	8.14	20.08
5.2	5.2	28.32	8.17	22.01
10.0	10.1	29.74	8.18	23.12
15.0	15.0	30.09	8.28	23.39
19.9	20.0	30.70	8.77	23.79
24.9	25.0	30.99	9.13	23.96
29.8	29.9	31.45	9.69	24.23
34.9	35.1	31.72	10.03	24.39
39.9	40.0	31.84	10.07	24.48
44.9	45.1	31.88	10.07	24.50
49.7	49.9	31.91	10.06	24.53
59.7	60.0	32.03	10.01	24.63
69.7	70.0	32.10	9.97	24.70
79.7	80.1	32.16	9.89	24.75
89.6	90.0	32.23	9.81	24.82
99.6	100.1	32.30	9.74	24.89
110.5	111.0	32.37	9.67	24.95
120.4	121.0	32.60	9.30	25.19
130.3	131.0	32.70	9.07	25.31
140.2	141.0	32.76	8.91	25.38
150.2	151.0	32.80	8.83	25.42
158.0	158.8	32.80	8.81	25.43

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 9 ALBERNI PROGRAM
 LAT N 48 51.50
 DATE 8/ 2/80
 TIME (PST) 1635

TAPE: U01166 -143
 LONG W 125 8.10
 PASS NO. 46
 STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
5.0	5.1	28.05	8.02	21.82	
10.1	10.1	29.51	8.08	22.96	
15.0	15.0	29.73	8.05	23.13	
19.9	20.0	30.11	8.28	23.40	
24.9	25.0	30.62	8.47	23.77	6.31
30.0	30.1	30.94	8.98	23.94	
34.9	35.0	31.45	9.71	24.23	
39.7	39.9	31.64	9.90	24.35	
44.9	45.0	31.78	9.69	24.49	
49.8	50.0	31.80	9.86	24.48	5.17
59.8	60.0	31.87	9.70	24.56	
69.6	69.9	32.04	10.00	24.64	
74.7	75.0	32.08	10.00	24.67	4.13
79.6	80.0	32.11	10.00	24.70	
88.5	88.9	32.20	9.93	24.78	

CRUISE NO: 9 ALBERNI PROGRAM
 LAT N 48 48.20
 DATE 8/ 2/80
 TIME (PST) 1721

TAPE: U01166 -144
 LONG W 125 14.40
 PASS NO. 48
 STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
9.9	10.0	30.04	7.95	23.39
15.1	15.1	30.70	8.13	23.88
19.9	20.0	30.94	8.34	24.04
24.9	25.0	31.03	8.38	24.10
29.9	30.0	31.04	8.38	24.11
34.8	35.0	31.10	8.38	24.16
39.7	39.9	31.22	8.45	24.25
41.7	41.9	31.24	8.45	24.26

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 9 ALBERNI PROGRAM
 LAT N 48 50.05
 DATE 8/ 2/80
 TIME (PST) 1742

TAPE: U01166 -145
 LONG W 125 15.80
 PASS NO. 50
 STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.2	3.2	28.64	7.73	22.32	
5.1	5.2	28.61	7.73	22.30	
10.1	10.1	28.79	7.75	22.43	
15.0	15.0	29.53	7.95	22.99	
20.0	20.0	30.06	8.18	23.37	
24.7	24.8	30.48	8.28	23.69	
29.9	30.0	30.90	8.37	24.00	
34.9	35.0	31.02	8.44	24.09	
39.7	39.9	31.27	8.56	24.27	
44.9	45.1	31.38	8.68	24.33	
49.9	50.1	31.69	9.54	24.44	5.95
59.8	60.0	31.90	9.55	24.61	
69.8	70.1	31.98	9.04	24.75	
74.7	75.0	32.10	9.17	24.82	5.80
79.7	80.1	32.11	9.12	24.84	
89.6	90.0	32.25	9.20	24.93	
91.2	91.6	32.28	9.22	24.96	

CRUISE NO: 9 ALBERNI PROGRAM
 LAT N 48 54.15
 DATE 8/ 2/80
 TIME (PST) 1825

TAPE: U01166 -146
 LONG W 125 12.95
 PASS NO. 52
 STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.1	2.1	27.18	7.83	21.16
5.0	5.0	27.29	7.84	21.25
10.0	10.0	29.24	8.24	22.73
14.9	15.0	30.11	8.08	23.43
19.9	20.0	30.43	8.14	23.67
24.9	25.0	30.59	8.24	23.78
29.9	30.0	30.95	8.40	24.04
34.9	35.0	31.15	8.23	24.22
39.8	40.0	31.49	9.44	24.30
44.8	45.0	31.69	9.68	24.42
49.9	50.1	31.74	9.75	24.45
59.7	60.0	31.96	9.71	24.63
69.8	70.1	32.11	9.49	24.78
79.6	80.0	32.10	9.31	24.80
89.5	90.0	32.24	9.32	24.91
98.6	99.1	32.29	9.30	24.95

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 9 ALBERNI PROGRAM

LAT N 48 58.20

DATE 8/ 2/80

TIME (PST) 1912

TAPE: U01166 -147

LONG W 125 7.80

PASS NO. 54

STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.8	2.8	24.06	7.95	18.71	
5.0	5.0	27.84	8.16	21.64	
8.8	8.8	29.41	8.19	22.86	
15.1	15.1	30.31	8.29	23.55	
20.0	20.1	30.53	8.39	23.71	
24.9	25.0	30.82	8.62	23.91	
29.9	30.0	31.02	8.79	24.04	
34.9	35.0	31.35	9.35	24.21	
39.9	40.1	31.52	9.58	24.31	
44.9	45.1	31.68	9.77	24.40	
47.8	48.0	31.73	9.80	24.44	5.34
49.8	50.0	31.74	9.80	24.44	
59.9	60.1	32.08	9.82	24.70	
69.7	70.0	32.14	9.68	24.77	
72.6	73.0	32.14	9.67	24.77	5.22
79.5	79.9	32.21	9.65	24.83	
87.6	88.0	32.24	9.69	24.85	5.34
89.6	90.0	32.24	9.68	24.85	
93.5	94.0	32.24	9.68	24.85	

CRUISE NO: 9 ALBERNI PROGRAM

LAT N 48 57.72

DATE 8/ 2/80

TIME (PST) 1951

TAPE: U01166 -148

LONG W 125 4.48

PASS NO. 56

STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.3	2.3	27.99	8.14	21.76
5.0	5.1	28.82	8.26	22.39
10.1	10.1	29.96	8.19	23.29
14.9	15.0	30.25	8.15	23.53
19.9	20.0	30.50	8.30	23.70
25.0	25.1	30.92	8.86	23.95
29.8	29.9	31.36	9.51	24.20
34.9	35.0	31.58	9.80	24.31
39.8	40.0	31.70	9.95	24.39
44.9	45.0	31.77	9.96	24.44
49.9	50.1	31.81	9.98	24.47
59.7	60.0	31.97	9.91	24.60
69.7	70.1	32.10	9.83	24.72
79.7	80.0	32.17	9.77	24.78
85.3	85.7	32.21	9.72	24.82

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 9 ALBERNI PROGRAM

LAT N 48 57.02

DATE 8/ 2/80

TIME (PST) 2022

TAPE: U01166 -149

LONG W 125 1.30

PASS NO. 58

STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.1	2.1	27.12	7.93	21.10
5.0	5.0	29.03	8.12	22.57
9.9	10.0	30.24	8.51	23.47
15.0	15.1	30.43	8.50	23.62
19.9	19.9	30.69	8.72	23.79
24.9	25.0	31.24	9.44	24.11
29.9	30.0	31.42	9.65	24.22
34.9	35.0	31.58	9.85	24.31
39.8	40.0	31.67	9.95	24.36
44.8	45.0	31.81	10.08	24.45
49.7	50.0	31.92	10.01	24.55
59.7	60.0	31.95	9.94	24.59
69.6	69.9	32.06	9.88	24.68
79.6	80.0	32.13	9.81	24.74
89.6	90.0	32.22	9.73	24.83
100.5	101.0	32.27	9.70	24.87
110.4	110.9	32.33	9.66	24.93
120.4	121.0	32.51	9.40	25.11
130.3	131.0	32.74	8.99	25.35
140.3	141.1	32.78	8.85	25.41
150.2	151.0	32.81	8.76	25.44
160.1	161.0	32.83	8.71	25.46
170.1	171.0	32.83	8.68	25.47
179.9	180.9	32.84	8.67	25.48
190.0	191.0	32.84	8.66	25.48
199.8	200.9	32.84	8.65	25.49
224.6	225.9	32.85	8.64	25.49

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 9 ALBERNI PROGRAM
 LAT N 48 58.78
 DATE 8/ 2/80
 TIME (PST) 2107

TAPE: U01166 -150
 LONG W 124 57.80
 PASS NO. 60
 STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
6.6	6.7	29.89	8.35	23.22
10.0	10.0	30.26	8.39	23.50
15.0	15.1	30.48	8.48	23.66
19.9	20.0	30.72	8.77	23.80
24.9	25.0	31.36	9.96	24.12
29.9	30.0	31.47	9.99	24.20
34.8	35.0	31.66	10.12	24.32
39.9	40.0	31.75	10.15	24.40
44.8	45.0	31.83	10.16	24.45
49.8	50.0	31.90	10.14	24.51
59.7	60.0	31.98	10.02	24.60
69.8	70.1	32.11	9.91	24.71
79.7	80.1	32.19	9.81	24.79
89.5	90.0	32.27	9.72	24.87
99.5	100.0	32.30	9.68	24.89
110.4	111.0	32.44	9.48	25.04
120.3	120.9	32.59	9.18	25.21
130.4	131.1	32.76	8.82	25.39
140.2	141.0	32.78	8.76	25.42
150.3	151.1	32.81	8.70	25.45
159.9	160.8	32.82	8.67	25.47
159.9	160.8	32.82	8.67	25.47

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 9 ALBERNI PROGRAM

LAT N 48 59.58

DATE 8/ 2/80

TIME (PST) 2155

TAPE: U01166 -151

LONG W 124 53.38

PASS NO. 62

STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
5.1	5.2	29.60	8.36	22.99	
9.9	10.0	30.49	8.54	23.66	
14.9	15.0	30.83	9.06	23.85	
19.9	20.0	31.11	9.50	24.00	
24.8	24.9	31.36	9.88	24.13	
29.9	30.0	31.56	10.21	24.24	
34.9	35.0	31.62	10.22	24.28	
39.9	40.1	31.66	10.21	24.31	
44.8	45.0	31.80	10.18	24.43	
49.8	50.0	31.85	10.22	24.46	4.80
59.7	60.0	31.98	10.15	24.57	
69.7	70.1	32.08	10.04	24.67	
74.7	75.1	32.13	9.96	24.72	4.57
79.7	80.1	32.16	9.89	24.76	
89.6	90.1	32.24	9.82	24.83	
99.5	100.0	32.28	9.71	24.88	4.13
109.6	110.1	32.40	9.56	25.00	
120.4	121.0	32.57	9.23	25.18	
125.2	125.9	32.67	9.01	25.29	2.28
130.2	130.9	32.72	8.90	25.35	
140.3	141.0	32.76	8.83	25.39	
150.2	151.0	32.79	8.75	25.43	1.73
160.2	161.0	32.82	8.69	25.46	
170.1	171.1	32.83	8.64	25.48	
180.1	181.1	32.85	8.60	25.50	
190.0	191.1	32.87	8.55	25.52	
199.8	201.0	32.88	8.50	25.54	1.48
224.7	226.1	32.90	8.45	25.56	
250.4	252.0	32.91	8.42	25.57	1.38
275.3	277.0	32.91	8.41	25.58	
300.2	302.1	32.91	8.41	25.58	1.36
312.1	314.1	32.91	8.41	25.58	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 9 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 8/ 2/80
 TIME (PST) 2320

TAPE: U01166 -152
 LONG W 124 51.11
 PASS NO. 64
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.1	2.1	27.02	8.28	20.98
5.1	5.1	28.75	8.57	22.30
10.0	10.0	30.38	9.38	23.45
14.9	15.0	30.92	9.64	23.83
19.9	19.9	31.32	10.08	24.07
25.0	25.0	31.47	10.21	24.16
29.8	30.0	31.57	10.25	24.23
34.9	35.0	31.65	10.24	24.30
39.9	40.0	31.72	10.26	24.35
44.8	45.0	31.80	10.28	24.41
49.7	50.0	31.84	10.28	24.44
59.8	60.0	32.00	10.25	24.57
69.7	70.0	32.10	10.15	24.67
79.6	80.0	32.15	10.06	24.72
89.6	90.0	32.22	9.85	24.81
100.5	101.0	32.28	9.74	24.87
110.5	111.0	32.41	9.64	24.99
120.4	121.1	32.59	9.24	25.19
130.4	131.0	32.72	8.89	25.35
140.2	141.0	32.76	8.79	25.40
150.2	151.0	32.80	8.73	25.44
160.2	161.0	32.81	8.70	25.45
170.1	171.0	32.82	8.67	25.46
180.0	181.0	32.83	8.63	25.48
189.9	191.0	32.84	8.58	25.49
199.9	201.1	32.85	8.55	25.50
224.6	225.9	32.89	8.45	25.55
249.6	251.1	32.91	8.41	25.58
275.3	277.0	32.92	8.38	25.58
288.0	289.8	32.92	8.37	25.59

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 9 ALBERNI PROGRAM
 LAT N 49 5.50
 DATE 8/ 2/80
 TIME (PST) 0005

TAPE: U01166 -153
 LONG W 124 49.50
 PASS NO. 66
 STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
5.0	5.0	27.20	8.77	21.05
10.0	10.0	30.49	9.34	23.54
15.0	15.0	30.81	9.78	23.72
19.9	19.9	31.19	10.04	23.97
24.9	25.0	31.34	10.11	24.08
29.9	30.0	31.42	10.14	24.14
34.9	35.0	31.57	10.18	24.25
39.8	40.0	31.67	10.20	24.32
44.8	45.0	31.76	10.22	24.39
49.8	50.0	31.81	10.23	24.43
59.7	59.9	31.90	10.24	24.49
69.8	70.1	32.03	10.23	24.60
79.7	80.0	32.07	10.21	24.63
89.5	89.9	32.08	10.20	24.64
99.5	99.9	32.09	10.20	24.65
110.4	110.9	32.10	10.20	24.65
110.4	110.9	32.10	10.20	24.65

CRUISE NO: 9 ALBERNI PROGRAM
 LAT N 49 7.15
 DATE 9/ 2/80
 TIME (PST) 0034

TAPE: U01166 -154
 LONG W 124 48.80
 PASS NO. 68
 STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.3	2.3	15.38	6.63	12.04	
5.0	5.0	27.81	8.92	21.51	
10.0	10.0	30.88	9.87	23.76	
15.0	15.0	31.38	10.16	24.10	
20.0	20.0	31.48	10.19	24.18	
24.9	24.9	31.56	10.19	24.24	
30.0	30.0	31.65	10.21	24.31	
34.8	34.9	31.69	10.22	24.33	
39.9	40.1	31.71	10.23	24.35	
44.8	44.9	31.73	10.21	24.36	
49.9	50.1	31.75	10.20	24.38	3.64
59.8	60.0	31.79	10.21	24.41	
69.7	70.0	31.82	10.20	24.44	
74.7	75.0	31.84	10.19	24.45	3.58
79.6	79.9	31.87	10.17	24.48	
89.6	90.0	31.90	10.07	24.53	
99.6	100.0	31.95	9.86	24.60	1.52
110.4	110.9	31.97	9.81	24.62	
119.5	120.1	31.99	9.78	24.64	
125.3	125.9	32.00	9.77	24.65	1.21
127.2	127.8	32.00	9.76	24.65	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 9 ALBERNI PROGRAM

LAT N 49 9.91

DATE 9/ 2/80

TIME (PST) 0123

TAPE: U01166 -155

LONG W 124 48.62

PASS NO. 70

STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
5.1	5.1	27.64	9.00	21.36	
10.0	10.0	30.94	10.05	23.78	
15.0	15.0	31.34	10.19	24.06	
19.9	19.9	31.46	10.18	24.16	
24.9	25.0	31.54	10.17	24.22	
29.9	30.0	31.60	10.15	24.28	
34.8	35.0	31.64	10.14	24.31	
39.8	39.9	31.67	10.14	24.33	
44.8	45.0	31.70	10.15	24.35	
49.8	50.0	31.73	10.15	24.38	3.16
59.8	60.0	31.78	10.20	24.41	
69.6	69.9	31.82	10.13	24.45	
74.7	75.1	31.81	10.09	24.45	2.31
79.6	80.0	31.83	10.04	24.48	
90.5	90.9	31.91	9.95	24.55	
99.6	100.1	31.96	9.85	24.60	1.31
107.2	107.7	31.98	9.79	24.63	

CRUISE NO: 9 ALBERNI PROGRAM

LAT N 49 12.16

DATE 9/ 2/80

TIME (PST) 0230

TAPE: U01166 -156

LONG W 124 49.02

PASS NO. 72

STN: A0

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.9	1.9	6.54	5.57	5.15
5.0	5.0	27.85	9.33	21.48
9.9	9.9	30.97	10.12	23.79
14.9	14.9	31.29	10.19	24.03
20.0	20.0	31.44	10.19	24.14
24.9	25.0	31.52	10.16	24.21
30.0	30.0	31.57	10.15	24.25
34.9	35.0	31.62	10.15	24.29
39.9	40.0	31.65	10.13	24.32
44.8	45.0	31.68	10.13	24.34
50.0	50.1	31.72	10.14	24.37
54.9	55.1	31.73	10.14	24.38

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 2 ALBERNI PROGRAM

LAT N 48 57.02

DATE 10/ 2/80

TIME (PST) 1933

TAPE: U01166 -157

LONG W 125 1.30

PASS NO. 1

STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.3	.3	25.69	7.62	20.02
1.9	1.9	26.35	7.65	20.54
5.0	5.0	27.62	7.80	21.51
10.0	10.0	28.96	7.92	22.55
14.7	14.7	29.71	8.15	23.10
20.0	20.0	30.29	8.37	23.53
25.0	25.0	30.68	8.71	23.78
29.9	30.0	31.35	9.79	24.14
34.9	35.0	31.53	10.16	24.22
39.8	40.0	31.62	10.16	24.29
44.8	45.0	31.81	10.13	24.44
49.8	50.0	31.84	10.02	24.49
60.0	60.2	31.96	10.00	24.58
69.7	70.0	32.02	9.90	24.65
79.7	80.1	32.12	9.87	24.73
90.1	90.6	32.22	9.75	24.82
100.3	100.8	32.30	9.67	24.90
109.5	110.1	32.41	9.57	25.00
120.3	120.9	32.68	9.09	25.29
129.4	130.0	32.76	8.88	25.38
140.1	140.8	32.80	8.76	25.44
150.2	151.0	32.82	8.72	25.46
159.9	160.8	32.82	8.70	25.46
170.0	171.0	32.83	8.69	25.47
179.9	181.0	32.83	8.69	25.47
182.1	183.1	32.82	8.70	25.46

CRUISE NO: 10 ALBERNI PROGRAM

LAT N 49 12.16

DATE 26/ 3/80

TIME (PST) 0810

TAPE: U01166 -158

LONG W 124 49.02

PASS NO. 27

STN: A0

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.7	.7	4.78	6.84	3.69
2.5	2.5	7.58	7.43	5.85
5.0	5.0	29.22	9.14	22.57
10.1	10.0	30.51	9.35	23.55
14.9	14.9	30.90	9.62	23.82
20.0	20.0	31.09	9.71	23.95
25.1	25.1	31.24	9.81	24.05
29.9	29.9	31.39	9.87	24.15
34.9	35.0	31.48	9.92	24.22
39.9	40.0	31.54	9.94	24.26
44.8	45.0	31.57	9.96	24.28
49.9	50.0	31.60	9.97	24.31
55.4	55.6	31.64	9.99	24.33

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 10 ALBERNI PROGRAM
 LAT N 49 9.91
 DATE 26/ 3/80
 TIME (PST) 0829

TAPE: UD1166 -159
 LONG W 124 48.62
 PASS NO. 29
 STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.7	.7	8.51	7.35	6.59
2.0	2.0	8.79	7.37	6.81
5.2	5.1	28.56	9.00	22.08
10.1	10.1	30.09	9.17	23.25
15.1	15.1	30.75	9.42	23.73
19.9	20.0	31.05	9.54	23.95
24.9	25.0	31.24	9.62	24.08
30.0	30.1	31.40	9.81	24.17
34.9	35.0	31.49	9.79	24.25
39.8	40.0	31.56	9.87	24.29
44.8	45.0	31.62	9.96	24.33
49.8	50.0	31.67	9.98	24.36
59.8	60.0	31.70	9.92	24.40
69.6	69.9	31.75	9.94	24.43
79.7	80.0	31.77	9.93	24.45
89.7	90.1	31.81	9.94	24.48
99.6	100.0	31.83	9.94	24.49
107.5	108.0	31.85	9.93	24.51

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 10 ALBERNI PROGRAM
 LAT N 49 7.15
 DATE 26/ 3/80
 TIME (PST) 0904

TAPE: U01166 -160
 LONG W 124 48.80
 PASS NO. 31
 STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.7	.7	9.98	7.76	7.71	
2.1	2.1	14.48	8.00	11.21	
5.0	5.0	28.87	8.91	22.34	
10.0	10.0	30.46	9.16	23.54	
15.1	15.1	30.97	9.36	23.91	
20.0	20.1	31.05	9.41	23.97	
25.1	25.1	31.12	9.44	24.01	
30.0	30.1	31.29	9.57	24.13	
34.9	35.0	31.42	9.65	24.21	
39.8	39.9	31.51	9.72	24.27	3.45
44.8	44.9	31.56	9.78	24.31	
49.9	50.1	31.59	9.81	24.32	
59.7	59.9	31.67	9.71	24.40	
64.8	65.1	31.70	9.69	24.43	3.99
69.7	69.9	31.71	9.69	24.43	
79.6	80.0	31.73	9.69	24.46	
89.6	90.0	31.81	9.72	24.51	4.14
99.6	100.0	31.82	9.74	24.51	
110.5	111.0	31.83	9.71	24.53	
114.5	115.0	31.84	9.71	24.53	4.26
120.5	121.0	31.83	9.71	24.53	
130.4	131.0	31.83	9.72	24.53	
136.2	136.9	31.87	9.68	24.56	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 10 ALBERNI PROGRAM

LAT N 49 5.50

DATE 26/ 3/80

TIME (PST) 0939

TAPE: U01166 -161

LONG W 124 49.50

PASS NO. 33

STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.8	.8	10.74	7.59	8.32
2.0	2.0	12.61	7.78	9.77
5.0	4.9	29.66	9.16	22.92
10.0	10.0	30.76	9.29	23.75
15.0	15.0	31.13	9.41	24.03
20.0	20.0	31.44	9.60	24.24
24.9	25.0	31.89	9.68	24.58
30.0	30.0	31.99	9.67	24.66
34.9	35.0	32.02	9.69	24.68
39.9	40.1	32.04	9.67	24.70
44.8	45.0	32.04	9.66	24.70
49.7	49.9	32.05	9.65	24.71
59.7	60.0	32.08	9.62	24.74
69.7	70.0	32.10	9.63	24.75
79.6	80.0	32.11	9.63	24.76
89.6	90.0	32.12	9.64	24.77
99.6	100.1	32.14	9.65	24.78
107.3	107.8	32.15	9.66	24.78

CRUISE NO: 10 ALBERNI PROGRAM

LAT N 49 12.16

DATE 26/ 3/80

TIME (PST) 1907

TAPE: U01166 -162

LONG W 124 49.02

PASS NO. 36

STN: A0

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.9	2.9	18.72	8.31	14.49
5.6	5.6	29.47	9.10	22.78
10.0	10.1	30.66	9.43	23.66
14.9	14.9	31.00	9.64	23.89
19.9	19.9	31.17	9.75	24.01
24.9	25.0	31.33	9.84	24.11
29.8	29.9	31.47	9.91	24.21
34.8	35.0	31.54	9.95	24.26
39.9	40.0	31.58	9.99	24.29
44.8	45.0	31.60	9.98	24.30
49.8	50.0	31.62	9.99	24.32
54.4	54.7	31.64	9.99	24.34

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 10 ALBERNI PROGRAM

LAT N 49 9.91

DATE 26/ 3/80

TIME (PST) 1930

TAPE: UD1166 -163

LONG W 124 48.62

PASS NO. 37

STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.6	.6	9.93	7.67	7.68
2.0	2.0	13.15	7.89	10.18
5.1	5.0	30.18	9.33	23.30
10.1	10.0	30.86	9.43	23.81
15.1	15.1	31.13	9.60	24.00
19.9	19.9	31.32	9.78	24.12
25.2	25.2	31.39	9.76	24.18
29.8	29.9	31.50	9.89	24.24
34.9	35.0	31.55	9.94	24.27
39.9	40.0	31.63	9.98	24.33
44.8	45.0	31.65	9.99	24.34
49.7	49.9	31.66	9.98	24.35
59.7	60.0	31.69	9.92	24.38
69.6	69.9	31.75	9.91	24.43
79.8	80.1	31.76	9.91	24.44
89.7	90.1	31.81	9.94	24.48
99.5	100.0	31.82	9.94	24.49

CRUISE NO: 10 ALBERNI PROGRAM

LAT N 49 7.15

DATE 26/ 3/80

TIME (PST) 2010

TAPE: UD1166 -164

LONG W 124 48.80

PASS NO. 39

STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.7	.7	7.97	7.88	6.12	
2.2	2.2	9.13	7.79	7.04	
5.0	5.0	29.68	9.10	22.94	
10.0	9.9	30.40	9.19	23.50	
15.1	15.1	30.82	9.30	23.81	
20.1	20.1	31.14	9.47	24.03	
25.0	25.0	31.22	9.53	24.08	
29.9	30.0	31.32	9.58	24.15	
35.0	35.1	31.40	9.64	24.21	
40.0	40.2	31.50	9.73	24.26	
44.8	45.0	31.61	9.88	24.33	
49.8	49.9	31.64	9.84	24.36	2.86
59.8	60.0	31.70	9.73	24.42	
69.8	70.0	31.72	9.74	24.44	
74.6	74.9	31.74	9.73	24.45	3.68
79.7	80.0	31.74	9.72	24.46	
89.6	90.0	31.80	9.70	24.51	
99.6	100.0	31.82	9.70	24.52	4.05
109.5	110.0	31.82	9.70	24.52	
120.5	121.0	31.82	9.70	24.52	
125.5	126.1	31.82	9.70	24.52	4.14
130.4	131.0	31.82	9.69	24.52	
130.4	131.0	31.82	9.69	24.52	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 10 ALBERNI PROGRAM

LAT N 49 5.50

DATE 26/ 3/80

TIME (PST) 2048

TAPE: U01166 -165

LONG W 124 49.50

PASS NO. 42

STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.9	1.8	15.18	8.06	11.75
5.0	5.0	28.81	9.07	22.27
10.2	10.2	31.20	9.47	24.07
14.9	14.9	31.44	9.63	24.23
20.0	20.1	31.69	9.67	24.43
25.0	25.1	31.79	9.68	24.50
29.9	30.0	31.97	9.64	24.65
34.7	34.8	32.01	9.63	24.68
39.9	40.0	32.03	9.64	24.69
44.9	45.0	32.06	9.63	24.72
49.9	50.1	32.06	9.62	24.72
59.7	60.0	32.11	9.64	24.76
69.6	69.9	32.12	9.65	24.76
79.6	80.0	32.14	9.66	24.77
89.5	89.9	32.15	9.66	24.79
99.6	100.1	32.16	9.66	24.80
109.0	109.6	32.18	9.66	24.81

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 10 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 26/ 3/80
 TIME (PST) 2116

TAPE: U01166 -166
 LONG W 124 51.11
 PASS NO. 43
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.7	.7	10.87	7.81	8.40
2.0	2.0	11.04	7.83	8.53
5.1	5.1	29.41	9.02	22.74
10.1	10.1	30.73	9.10	23.76
14.9	15.0	31.13	9.37	24.03
19.9	19.9	31.51	9.64	24.29
25.0	25.1	31.79	9.68	24.50
29.9	30.0	31.92	9.64	24.61
34.8	34.9	32.00	9.47	24.70
39.9	40.0	32.09	9.49	24.76
44.8	45.0	32.10	9.42	24.79
49.9	50.1	32.11	9.41	24.79
59.8	60.0	32.19	9.62	24.83
69.6	69.9	32.26	9.73	24.86
79.7	80.1	32.25	9.53	24.88
89.7	90.1	32.28	9.52	24.91
99.6	100.1	32.32	9.39	24.96
110.4	111.0	32.36	9.39	24.99
120.5	121.1	32.43	9.27	25.07
130.3	131.0	32.56	9.18	25.18
140.3	141.0	32.64	9.03	25.27
150.1	150.9	32.67	8.96	25.30
160.0	160.9	32.70	8.90	25.34
170.0	170.9	32.72	8.86	25.36
179.9	180.9	32.74	8.83	25.38
189.9	190.9	32.77	8.76	25.41
199.8	201.0	32.78	8.73	25.42
224.7	226.0	32.80	8.66	25.45
249.6	251.0	32.81	8.65	25.46
275.2	276.9	32.82	8.63	25.47
280.1	281.8	32.82	8.63	25.47

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 10 ALBERNI PROGRAM

LAT N 48 59.58

DATE 26/ 3/80

TIME (PST) 2224

TAPE: UD1166 -167

LONG W 124 53.38

PASS NO. 45

STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.8	.8	14.27	8.10	11.04	
2.0	2.0	28.84	8.84	22.33	
5.0	5.0	30.12	8.90	23.32	
10.0	10.0	30.91	9.04	23.92	
15.0	15.0	31.32	9.41	24.18	
19.9	20.0	31.52	9.55	24.31	
24.7	24.8	31.74	9.41	24.50	
29.9	30.1	31.84	9.31	24.60	
34.8	35.0	31.94	9.30	24.67	
39.9	40.0	31.99	9.36	24.71	
44.9	45.1	32.09	9.40	24.78	
49.9	50.1	32.12	9.44	24.80	4.64
59.7	60.0	32.16	9.43	24.83	
69.6	69.9	32.18	9.38	24.85	
74.6	75.0	32.19	9.36	24.87	4.50
79.7	80.1	32.21	9.37	24.88	
89.6	90.0	32.23	9.33	24.90	
99.6	100.1	32.31	9.31	24.97	4.42
110.4	111.0	32.36	9.24	25.01	
120.4	121.0	32.42	9.21	25.07	
125.4	126.1	32.44	9.19	25.09	4.19
130.4	131.1	32.48	9.13	25.13	
140.3	141.0	32.59	9.02	25.23	
150.1	151.0	32.64	8.95	25.28	2.41
160.1	161.0	32.69	8.85	25.33	
170.1	171.1	32.72	8.79	25.37	
180.0	181.1	32.74	8.75	25.39	
189.8	190.9	32.77	8.70	25.42	
199.8	201.0	32.78	8.67	25.44	1.70
224.6	225.9	32.80	8.66	25.45	
250.5	252.0	32.81	8.64	25.46	1.64
275.3	277.0	32.81	8.64	25.46	
300.0	301.9	32.81	8.63	25.46	1.62
324.9	327.0	32.81	8.63	25.47	1.58
328.8	330.9	32.81	8.63	25.47	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 10 ALBERNI PROGRAM
 LAT N 48 58.78
 DATE 26/ 3/80
 TIME (PST) 2257

TAPE: UD1166 -168
 LONG W 124 57.80
 PASS NO. 46
 STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.8	.8	22.33	8.30	17.31
2.0	2.0	27.19	8.67	21.06
5.0	5.0	29.78	8.76	23.07
10.0	10.1	30.26	8.80	23.44
14.9	14.9	31.21	9.34	24.10
20.0	20.1	31.44	9.51	24.25
24.9	25.0	31.70	9.29	24.49
29.9	30.0	31.75	9.21	24.54
34.8	35.0	31.82	9.23	24.59
39.9	40.0	31.87	9.22	24.64
44.8	45.0	31.93	9.23	24.68
49.7	49.9	31.97	9.24	24.71
59.8	60.1	32.07	9.26	24.78
69.6	70.0	32.10	9.27	24.81
79.7	80.1	32.17	9.29	24.86
90.5	91.0	32.23	9.27	24.91
99.6	100.1	32.31	9.28	24.97
110.4	111.0	32.39	9.30	25.03
120.4	121.0	32.46	9.32	25.08
130.2	130.9	32.51	9.29	25.12
140.4	141.1	32.53	9.18	25.15
150.1	150.9	32.66	8.87	25.31
160.1	161.0	32.71	8.80	25.36
169.8	170.7	32.72	8.78	25.37

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 10 ALBERNI PROGRAM

LAT N 48 57.02

DATE 26/ 3/80

TIME (PST) 2327

TAPE: U01166 -169

LONG W 125 1.30

PASS NO. 50

STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
5.1	5.1	30.26	8.77	23.44	
10.1	10.1	30.99	8.97	23.98	
14.7	14.8	31.34	9.07	24.24	
20.7	20.8	31.60	9.18	24.43	
24.8	24.9	31.73	9.29	24.52	
30.0	30.1	31.78	9.32	24.55	
34.9	35.1	31.85	9.32	24.60	
39.9	40.1	31.91	9.35	24.65	
45.0	45.2	31.97	9.31	24.70	
49.7	49.9	32.00	9.33	24.72	4.88
60.6	60.9	32.06	9.27	24.78	
69.7	70.0	32.11	9.27	24.82	
74.6	75.0	32.11	9.28	24.82	5.13
80.2	80.6	32.14	9.30	24.84	
89.4	89.9	32.22	9.29	24.90	
99.4	100.0	32.28	9.31	24.94	5.17
110.5	111.1	32.42	9.34	25.05	
119.4	120.1	32.46	9.40	25.07	
124.3	125.0	32.56	9.36	25.15	4.91
130.5	131.2	32.59	9.24	25.20	
140.4	141.1	32.64	8.98	25.27	
150.3	151.1	32.69	8.90	25.33	1.96
160.1	161.0	32.71	8.84	25.35	
170.6	171.6	32.71	8.81	25.36	
180.0	181.0	32.73	8.80	25.37	
190.0	191.1	32.74	8.78	25.39	
200.0	201.2	32.74	8.77	25.39	1.80
215.6	216.8	32.74	8.77	25.39	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 10 ALBERNI PROGRAM
 LAT N 48 57.72
 DATE 27/ 3/80
 TIME (PST) 0013

TAPE: U01166 -170
 LONG W 125 4.48
 PASS NO. 52
 STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.1	2.1	24.23	8.43	18.77
5.1	5.1	29.85	8.79	23.12
10.0	10.0	30.46	8.74	23.61
14.7	14.8	31.22	9.12	24.14
20.2	20.3	31.46	9.19	24.32
24.7	24.8	31.50	9.15	24.36
29.9	30.0	31.75	9.19	24.54
34.9	35.0	31.78	9.21	24.57
40.1	40.2	31.95	9.28	24.69
44.7	44.9	32.02	9.26	24.75
49.7	49.9	32.05	9.27	24.77
59.8	60.1	32.10	9.27	24.81
69.7	70.0	32.23	9.33	24.90
79.5	79.9	32.31	9.36	24.96
90.6	91.0	32.42	9.41	25.03
99.6	100.1	32.51	9.46	25.10
110.4	111.0	32.54	9.49	25.12
120.4	121.0	32.57	9.51	25.14
130.4	131.1	32.58	9.51	25.14
140.3	141.1	32.57	9.52	25.14
145.6	146.4	32.58	9.52	25.14

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 10 ALBERNI PROGRAM

LAT N 48 58.20

DATE 27/ 3/80

TIME (PST) 0042

TAPE: U01166 -171

LONG W 125 7.80

PASS NO. 54

STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.2	2.2	22.87	8.05	17.76	
4.9	4.9	29.03	8.65	22.50	
10.0	10.0	30.97	8.62	24.02	
14.9	15.0	31.09	8.64	24.11	
19.6	19.7	31.27	8.76	24.24	
24.8	24.9	31.38	8.85	24.31	
29.8	29.9	31.47	8.91	24.37	
34.8	35.0	31.78	9.21	24.57	
40.0	40.2	31.94	9.26	24.68	
44.9	45.1	32.08	9.26	24.79	
49.9	50.2	32.12	9.30	24.82	4.95
60.4	60.6	32.17	9.31	24.85	
69.6	69.9	32.33	9.36	24.97	
74.7	75.0	32.36	9.38	25.00	5.67
79.6	80.0	32.40	9.39	25.02	5.70
85.5	85.9	32.52	9.48	25.11	

CRUISE NO: 10 ALBERNI PROGRAM

LAT N 48 54.15

DATE 27/ 3/80

TIME (PST) 0131

TAPE: U01166 -172

LONG W 125 12.95

PASS NO. 55

STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.0	2.0	26.92	8.42	20.88
5.1	5.1	27.63	8.46	21.43
10.0	10.0	30.36	8.52	23.56
15.0	15.0	30.75	8.51	23.87
20.0	20.0	31.03	8.63	24.07
24.9	25.0	31.19	8.68	24.18
29.8	30.0	31.40	8.69	24.35
34.8	35.0	31.77	9.07	24.58
39.8	40.0	31.95	9.15	24.71
44.8	45.0	32.02	9.20	24.76
49.8	50.1	32.09	9.21	24.81
59.6	59.9	32.21	9.25	24.90
69.6	70.0	32.32	9.31	24.97
79.7	80.1	32.46	9.44	25.06
89.6	90.0	32.67	9.57	25.21
92.4	92.8	32.68	9.58	25.22

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 10 ALBERNI PROGRAM

LAT N 48 50.05

DATE 27/ 3/80

TIME (PST) 0205

TAPE: U01166 -173

LONG W 125 15.80

PASS NO. 57

STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
1.6	1.6	29.85	8.54	23.16	
4.8	4.8	30.80	8.66	23.89	
10.0	10.1	31.19	8.72	24.18	
15.0	15.1	31.33	8.73	24.29	
20.0	20.1	31.42	8.76	24.35	
24.8	24.9	31.44	8.74	24.38	
29.7	29.9	31.63	8.80	24.51	
34.9	35.1	31.90	8.94	24.70	
39.8	39.9	31.94	8.94	24.73	
44.7	45.0	31.97	8.95	24.75	
49.7	50.0	32.01	8.98	24.78	5.82
59.6	59.9	32.18	9.14	24.90	
69.5	69.9	32.38	9.36	25.01	
74.6	75.0	32.40	9.37	25.03	5.82
80.5	80.9	32.46	9.42	25.07	
85.5	85.9	32.53	9.49	25.11	

CRUISE NO: 10 ALBERNI PROGRAM

LAT N 48 48.20

DATE 27/ 3/80

TIME (PST) 0238

TAPE: U01166 -174

LONG W 125 14.40

PASS NO. 59

STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
5.0	5.1	30.12	8.57	23.36
10.0	10.1	30.33	8.62	23.52
14.9	15.0	30.60	8.65	23.73
19.9	20.0	31.19	8.66	24.19
24.9	25.0	31.61	8.72	24.51
29.8	30.0	31.83	8.74	24.68
32.6	32.8	31.90	8.81	24.73
32.6	32.8	31.90	8.81	24.73

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 10 ALBERNI PROGRAM

LAT N 48 51.50

DATE 27/ 3/80

TIME (PST) 0325

TAPE: U01166 -175

LONG W 125 8.10

PASS NO. 61

STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.9	.9	25.32	7.92	19.70	
2.0	2.0	27.51	8.47	21.33	
5.0	5.0	28.46	8.63	22.06	
15.0	15.0	31.10	8.80	24.10	
19.9	20.0	31.28	8.86	24.23	
24.9	25.0	31.41	8.92	24.32	
29.9	30.0	31.62	9.10	24.46	
34.8	35.0	31.80	9.17	24.59	
39.7	39.9	31.85	9.11	24.64	
44.8	45.0	31.88	9.10	24.67	
50.0	50.2	31.97	9.10	24.73	5.50
59.7	60.0	32.06	9.22	24.78	
69.7	70.0	32.19	9.49	24.84	
74.5	74.9	32.22	9.51	24.87	3.92
79.5	79.9	32.23	9.51	24.87	
89.5	90.0	32.25	9.46	24.90	
100.4	100.9	32.32	9.40	24.96	3.64
110.3	110.9	32.40	9.31	25.04	
120.3	121.0	32.48	9.25	25.11	2.80
123.3	124.0	32.49	9.22	25.12	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 10 ALBERNI PROGRAM
 LAT N 48 53.78
 DATE 27/ 3/80
 TIME (PST) 0415

TAPE: U01166 -176
 LONG W 125 3.05
 PASS NO. 63
 STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.0	2.0	23.88	8.27	18.52
4.9	4.9	27.88	8.62	21.60
10.0	10.0	30.34	8.77	23.51
15.0	15.0	31.37	9.09	24.27
20.0	20.0	31.45	9.13	24.32
24.9	25.0	31.55	9.21	24.39
30.0	30.1	31.65	9.25	24.46
34.9	35.0	31.77	9.36	24.54
39.7	39.9	31.87	9.33	24.62
44.7	44.9	31.98	9.44	24.68
49.7	49.9	32.02	9.54	24.70
59.7	60.0	32.11	9.57	24.77
69.5	69.8	32.15	9.50	24.81
79.8	80.2	32.21	9.40	24.88
89.6	90.0	32.23	9.40	24.89
100.4	100.9	32.30	9.34	24.95
109.6	110.2	32.35	9.32	24.99
120.3	120.9	32.45	9.24	25.09
130.3	131.0	32.57	9.10	25.20
140.2	140.9	32.59	9.07	25.22
150.3	151.1	32.66	8.97	25.29
160.3	161.1	32.69	8.90	25.32
160.3	161.1	32.69	8.90	25.32

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 10 ALBERNI PROGRAM

LAT N 48 57.02

DATE 27/ 3/80

TIME (PST) 0503

TAPE: U01166 -177

LONG W 125 1.30

PASS NO. 65

STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.1	2.1	19.14	8.07	14.84
5.0	4.9	29.69	8.77	23.00
10.0	10.0	31.01	9.05	23.99
15.0	15.0	31.30	9.18	24.20
20.0	20.0	31.37	9.08	24.27
24.9	25.0	31.63	9.21	24.45
29.9	30.0	31.77	9.31	24.54
34.9	35.0	31.92	9.36	24.65
39.9	40.0	31.93	9.33	24.67
44.8	45.0	31.97	9.26	24.71
49.8	50.0	32.00	9.33	24.72
59.5	59.8	32.08	9.26	24.79
69.7	70.0	32.11	9.27	24.82
79.7	80.1	32.16	9.28	24.85
89.6	90.0	32.21	9.28	24.89
100.5	101.0	32.29	9.31	24.95
110.6	111.2	32.34	9.33	24.99
120.3	120.9	32.45	9.24	25.08
130.5	131.1	32.54	9.30	25.15
140.3	141.1	32.62	9.09	25.25
150.2	151.0	32.68	8.92	25.32
160.1	161.0	32.69	8.88	25.33
170.0	171.0	32.72	8.81	25.36
180.0	181.0	32.73	8.79	25.38
189.8	190.9	32.74	8.77	25.38
199.8	200.9	32.75	8.77	25.39
224.6	226.0	32.74	8.77	25.39
246.5	247.9	32.74	8.77	25.39

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 10 ALBERNI PROGRAM
LAT N 1 2.30
DATE 27/ 3/80
TIME (PST) 0001

TAPE: UD1166 -178
LONG W 4 5.60
PASS NO. 1
STN: CYCLESONE

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.6	.6	28.39	8.31	22.05
2.4	2.4	28.61	8.23	22.23
5.1	5.1	28.93	8.07	22.51
10.0	10.1	29.43	7.74	22.94
15.0	15.0	29.63	7.57	23.12
19.9	20.0	29.66	7.56	23.15
24.8	24.9	29.68	7.56	23.16
29.9	30.0	29.71	7.54	23.19
34.8	35.0	29.74	7.53	23.21
39.8	40.0	29.77	7.56	23.23
44.8	44.9	29.83	7.56	23.28
50.0	50.2	29.89	7.57	23.32
59.9	60.1	29.97	7.61	23.38
69.7	70.0	30.09	7.69	23.47
79.7	80.0	30.12	7.70	23.49
82.5	82.8	30.14	7.70	23.51

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 11 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 23/ 4/80
 TIME (PST) 1114

TAPE: U01166 -179
 LONG W 125 1.30
 PASS NO. 39
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.3	.3	11.38	10.18	8.56	
2.1	2.1	25.37	10.00	19.45	
5.0	5.0	29.67	9.88	22.81	
10.0	10.0	30.27	9.58	23.33	
15.0	15.0	30.68	9.33	23.69	
20.0	20.0	31.00	9.26	23.95	
25.0	25.1	31.15	9.22	24.08	
29.9	30.0	31.23	9.19	24.14	
35.1	35.2	31.30	9.17	24.20	
39.9	40.0	31.39	9.17	24.27	
44.8	45.0	31.54	9.20	24.38	
49.8	50.0	31.82	9.21	24.60	4.87
59.7	59.9	32.02	9.21	24.75	
69.7	70.0	32.12	9.20	24.83	
74.7	75.0	32.15	9.23	24.86	4.26
79.6	80.0	32.19	9.28	24.88	
89.6	90.1	32.30	9.31	24.96	
99.6	100.1	32.37	9.31	25.01	4.24
110.4	111.0	32.44	9.29	25.07	
120.4	121.0	32.49	9.24	25.12	
125.4	126.1	32.51	9.23	25.13	3.99
130.3	131.0	32.53	9.22	25.15	
140.3	141.0	32.56	9.17	25.18	
150.2	151.0	32.62	9.07	25.24	2.92
160.1	161.0	32.66	8.99	25.29	
170.1	171.0	32.67	8.96	25.30	
180.0	181.0	32.68	8.93	25.32	
189.9	191.0	32.69	8.92	25.32	
200.0	201.1	32.69	8.90	25.33	2.27
218.6	219.8	32.70	8.89	25.34	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 11 ALBERNI PROGRAM
 LAT N 48 53.78
 DATE 23/ 4/80
 TIME (PST) 2113

TAPE: U01166 -180
 LONG W 125 3.05
 PASS NO. 41
 STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.9	.9	17.77	10.42	13.48
2.0	2.0	27.39	10.22	20.98
5.2	5.2	28.22	10.12	21.65
10.0	10.0	30.13	9.72	23.20
15.1	15.1	30.92	9.29	23.88
19.9	20.0	31.08	9.20	24.02
24.9	25.0	31.22	9.17	24.13
30.0	30.1	31.26	9.16	24.17
34.9	35.0	31.35	9.23	24.23
39.9	40.1	31.44	9.27	24.29
44.8	45.0	31.55	9.31	24.37
49.8	50.0	31.68	9.33	24.47
59.7	60.0	31.89	9.30	24.64
69.7	70.0	32.08	9.28	24.79
79.6	80.0	32.23	9.31	24.91
89.5	90.0	32.29	9.31	24.95
99.6	100.0	32.34	9.31	24.99
110.5	111.0	32.42	9.27	25.06
120.4	121.0	32.48	9.23	25.11
130.4	131.0	32.52	9.18	25.15
140.3	141.1	32.57	9.13	25.20
150.2	151.0	32.60	9.09	25.23
155.2	156.1	32.61	9.05	25.24

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 11 ALBERNI PROGRAM

LAT N 48 51.50

DATE 23/ 4/80

TIME (PST) 1251

TAPE: U01166 -181

LONG W 125 8.10

PASS NO. 43

STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.5	.5	16.89	11.49	12.65	
2.0	2.0	23.76	10.66	18.09	
5.0	5.0	29.90	9.90	22.99	
10.0	10.0	30.77	9.37	23.75	
14.9	15.0	30.96	9.26	23.92	
19.9	19.9	31.07	9.33	24.00	
25.0	25.1	31.23	9.31	24.12	
29.8	29.9	31.32	9.32	24.19	
34.9	35.0	31.42	9.20	24.29	
39.8	40.0	31.46	9.18	24.32	
44.7	44.9	31.58	9.22	24.41	
49.7	49.9	31.74	9.23	24.53	4.78
59.8	60.1	31.99	9.28	24.72	
69.7	70.0	32.13	9.31	24.82	
74.7	75.0	32.19	9.30	24.87	3.83
79.6	80.0	32.23	9.30	24.91	
89.6	90.0	32.31	9.29	24.97	
91.6	92.0	32.33	9.29	24.98	

CRUISE NO: 11 ALBERNI PROGRAM

LAT N 48 48.20

DATE 23/ 4/80

TIME (PST) 1346

TAPE: U01166 -182

LONG W 125 14.40

PASS NO. 45

STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.7	.7	30.07	10.16	23.08
2.0	2.0	30.12	10.16	23.12
5.0	5.0	30.07	10.15	23.08
10.1	10.1	30.56	9.88	23.51
15.0	15.0	30.93	9.64	23.83
19.7	19.8	31.04	9.57	23.93
25.1	25.2	31.38	9.33	24.24
30.0	30.1	31.46	9.25	24.31
34.7	34.9	31.68	9.02	24.52
39.8	40.0	31.77	8.95	24.60
39.8	40.0	31.77	8.95	24.60

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 11 ALBERNI PROGRAM

LAT N 48 50.05

DATE 23/ 4/80

TIME (PST) 1410

TAPE: U01166 -183

LONG W 125 15.80

PASS NO. 47

STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
1.8	1.8	27.37	10.72	20.89	
5.0	5.0	28.28	10.47	21.64	
10.0	10.1	30.10	9.87	23.15	
15.0	15.0	30.67	9.65	23.63	
20.5	20.6	31.11	9.55	23.99	
25.0	25.1	31.37	9.39	24.22	
29.8	29.9	31.56	9.28	24.39	
35.0	35.1	31.59	9.23	24.42	
39.8	40.0	31.63	9.23	24.44	
44.8	45.0	31.72	9.18	24.53	
49.8	50.0	31.91	9.00	24.70	5.47
59.8	60.0	31.95	9.00	24.73	
69.7	70.0	32.13	8.89	24.89	
74.7	75.0	32.16	8.87	24.91	5.05
79.7	80.1	32.21	8.84	24.96	
89.6	90.1	32.33	8.80	25.06	4.85
94.1	94.6	32.33	8.80	25.06	

CRUISE NO: 11 ALBERNI PROGRAM

LAT N 48 54.15

DATE 23/ 4/80

TIME (PST) 1449

TAPE: U01166 -184

LONG W 125 12.95

PASS NO. 49

STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.3	.3	24.37	11.22	18.48
1.9	1.9	27.10	10.32	20.75
5.1	5.1	27.78	10.50	21.25
9.9	10.0	30.13	9.80	23.19
15.0	15.0	30.76	9.30	23.75
20.0	20.0	31.04	9.15	24.00
24.9	25.0	31.18	9.23	24.09
29.8	29.9	31.35	9.22	24.23
34.9	35.0	31.49	9.21	24.34
39.8	40.0	31.63	9.19	24.45
44.8	45.0	31.72	9.12	24.53
49.8	50.0	31.80	9.15	24.59
59.8	60.0	32.00	9.22	24.74
69.7	70.0	32.09	8.93	24.85
79.6	80.0	32.15	8.91	24.90
89.7	90.1	32.32	8.78	25.05
100.5	101.0	32.33	8.77	25.06
102.6	103.2	32.33	8.77	25.07

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 11 ALBERNI PROGRAM

LAT N 48 58.20'

DATE 23/ 4/80

TIME (PST) 1527

TAPE: U01166 -185

LONG W 125 7.80

PASS NO. 51

STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.6	.6	22.81	10.82	17.34	
1.9	1.9	24.81	11.09	18.85	
5.0	5.0	27.65	10.33	21.17	
10.0	10.0	30.11	9.79	23.17	
14.9	14.9	30.71	9.28	23.72	
19.9	20.0	31.07	9.10	24.03	
24.9	25.0	31.22	9.08	24.15	
29.9	30.0	31.40	9.14	24.28	
34.8	34.9	31.52	9.16	24.37	
39.9	40.0	31.71	9.18	24.51	
44.9	45.0	31.77	9.20	24.56	
49.8	50.0	31.84	9.21	24.62	4.71
59.7	59.9	32.01	9.22	24.75	
69.7	70.1	32.14	9.28	24.84	
74.6	75.0	32.15	9.29	24.85	4.34
79.5	79.9	32.20	9.31	24.88	
89.5	90.0	32.28	9.34	24.94	3.94
95.2	95.6	32.29	9.35	24.94	

CRUISE NO: 11 ALBERNI PROGRAM

LAT N 48 57.72

DATE 23/ 4/80

TIME (PST) 1601

TAPE: U01166 -186

LONG W 125 4.48

PASS NO. 53

STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.2	2.2	23.47	10.25	17.94
5.0	5.0	29.09	9.81	22.37
10.0	10.0	30.55	9.44	23.57
15.0	15.0	30.66	9.40	23.66
20.0	20.0	31.03	9.23	23.98
24.9	24.9	31.16	9.18	24.09
29.9	30.0	31.28	9.11	24.19
34.9	35.0	31.36	9.11	24.26
39.8	39.9	31.59	9.13	24.43
44.8	44.9	31.67	9.11	24.49
49.8	50.0	31.85	9.14	24.63
59.7	60.0	32.08	9.18	24.80
69.7	70.0	32.14	9.13	24.86
79.7	80.0	32.16	9.09	24.89
89.6	90.0	32.16	9.11	24.88
94.5	95.0	32.18	9.13	24.89

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 11 ALBERNI PROGRAM

LAT N 48 57.02

DATE 23/ 4/80

TIME (PST) 1627

TAPE: U01166 -187

LONG W 125 1.30

PASS NO. 55

STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.1	2.1	22.32	10.08	17.06
5.0	5.0	28.03	9.89	21.54
9.9	9.9	29.99	9.71	23.09
14.9	14.9	30.54	9.42	23.57
19.9	19.9	31.09	9.23	24.03
25.0	25.1	31.23	9.20	24.14
29.9	30.0	31.30	9.19	24.20
34.9	35.0	31.38	9.20	24.26
39.8	40.0	31.50	9.13	24.36
44.8	45.0	31.55	9.14	24.40
49.8	50.0	31.70	9.15	24.51
59.7	60.0	31.91	9.16	24.68
69.7	70.0	32.08	9.17	24.81
79.6	80.0	32.22	9.30	24.90
89.6	90.0	32.26	9.31	24.93
99.6	100.1	32.31	9.31	24.97
110.5	111.0	32.36	9.31	25.00
120.4	121.0	32.47	9.26	25.10
130.2	130.8	32.51	9.23	25.14
140.2	140.9	32.57	9.16	25.19
150.2	151.0	32.62	9.06	25.25
160.3	161.1	32.64	9.02	25.27
170.2	171.1	32.67	8.96	25.30
180.0	181.0	32.69	8.93	25.32
189.9	191.0	32.69	8.92	25.33
199.9	201.0	32.69	8.91	25.33
211.7	212.9	32.70	8.89	25.34

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 11 ALBERNI PROGRAM
 LAT N 48 58.78
 DATE 23/ 4/80
 TIME (PST) 1701

TAPE: U01166 -188
 LONG W 124 57.80
 PASS NO. 58
 STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.6	.6	10.94	10.30	8.19
3.0	2.9	22.40	10.03	17.13
5.2	5.2	29.80	9.82	22.93
10.0	10.0	30.26	9.56	23.33
15.0	15.0	30.64	9.34	23.66
19.9	20.0	30.95	9.25	23.91
24.9	25.0	31.06	9.25	24.00
30.0	30.1	31.25	9.25	24.15
34.9	35.0	31.34	9.22	24.23
39.8	40.0	31.50	9.19	24.35
44.8	44.9	31.66	9.22	24.48
49.8	50.0	31.81	9.22	24.59
59.8	60.1	32.00	9.22	24.73
69.7	70.0	32.08	9.28	24.79
79.6	80.0	32.18	9.30	24.87
89.5	89.9	32.25	9.32	24.92
99.6	100.1	32.34	9.33	24.99
110.5	111.0	32.40	9.30	25.04
120.5	121.1	32.46	9.25	25.09
130.4	131.0	32.51	9.20	25.14
140.3	141.0	32.57	9.10	25.20
150.2	150.9	32.63	9.01	25.26
160.2	161.0	32.66	8.94	25.30
167.8	168.7	32.69	8.91	25.32

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 11 ALBERNI PROGRAM
 LAT N 48 59.58
 DATE 23/ 4/80
 TIME (PST) 1736

TAPE: U01166 -189
 LONG W 124 53.38
 PASS NO. 60
 STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.0	2.0	22.81	9.94	17.46	
5.0	5.0	27.77	9.90	21.33	
10.1	10.1	30.10	9.64	23.19	
15.0	15.0	30.60	9.35	23.63	
20.0	20.0	31.00	9.27	23.95	
24.9	24.9	31.20	9.32	24.10	
29.9	30.0	31.35	9.33	24.21	
34.8	34.9	31.47	9.29	24.32	
39.9	40.0	31.56	9.26	24.39	
44.8	45.0	31.66	9.26	24.47	
49.9	50.1	31.79	9.28	24.56	4.67
59.8	60.0	31.94	9.30	24.68	
69.6	69.9	32.06	9.35	24.76	
74.8	75.1	32.11	9.38	24.80	4.32
79.5	79.9	32.16	9.37	24.84	
89.5	89.9	32.24	9.37	24.90	
99.6	100.0	32.31	9.36	24.96	4.39
110.4	110.9	32.36	9.34	25.00	
120.4	121.0	32.43	9.29	25.06	
125.4	126.0	32.46	9.27	25.09	3.86
130.3	130.9	32.50	9.21	25.13	
140.3	141.0	32.59	9.08	25.22	
150.1	150.9	32.64	9.00	25.27	3.04
160.2	161.0	32.67	8.94	25.30	
170.1	171.1	32.68	8.91	25.32	
180.0	181.0	32.68	8.90	25.32	
189.9	190.9	32.71	8.84	25.35	
199.9	201.0	32.75	8.78	25.39	2.05
224.6	225.9	32.76	8.75	25.40	
249.5	251.0	32.76	8.75	25.41	1.84
275.5	277.1	32.76	8.75	25.41	
300.1	301.9	32.77	8.75	25.41	1.74
310.0	311.9	32.77	8.74	25.41	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 11 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 23/ 4/80
 TIME (PST) 1851

TAPE: UD1166 -190
 LONG W 124 51.11
 PASS NO. 61
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.6	1.6	13.31	10.17	10.06
5.1	5.0	25.45	9.85	19.53
10.0	10.0	29.98	9.69	23.09
15.0	15.0	30.57	9.33	23.61
19.9	20.0	31.02	9.32	23.96
24.9	24.9	31.24	9.44	24.11
29.9	30.0	31.40	9.50	24.22
35.0	35.1	31.46	9.47	24.28
39.9	40.0	31.65	9.54	24.42
44.8	45.0	31.80	9.49	24.54
49.8	50.0	31.87	9.51	24.59
59.8	60.0	32.05	9.44	24.74
69.6	69.9	32.15	9.43	24.82
79.7	80.0	32.27	9.42	24.91
89.7	90.1	32.33	9.42	24.96
99.6	100.1	32.38	9.38	25.01
110.5	111.0	32.43	9.29	25.06
120.4	121.0	32.47	9.24	25.10
130.4	131.1	32.52	9.19	25.15
140.1	140.9	32.58	9.10	25.21
150.3	151.1	32.62	9.04	25.25
160.2	161.0	32.64	8.99	25.28
170.0	170.9	32.67	8.95	25.31
180.1	181.0	32.69	8.91	25.33
189.9	191.0	32.73	8.85	25.37
199.9	201.0	32.74	8.80	25.39
224.8	226.1	32.76	8.76	25.41
249.6	251.0	32.77	8.75	25.41
273.4	275.0	32.77	8.74	25.42

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 11 ALBERNI PROGRAM

LAT N 49 5.50

DATE 23/ 4/80

TIME (PST) 1930

TAPE: U01166 -191

LONG W 124 49.50

PASS NO. 63

STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
45.4	45.1	16.92	9.83	12.90
4.9	5.0	26.10	9.78	20.05
9.8	10.0	30.20	9.62	23.27
15.0	15.1	30.70	9.56	23.67
19.8	19.9	30.97	9.53	23.88
24.8	25.0	31.20	9.53	24.06
29.8	30.1	31.39	9.54	24.21
34.7	35.0	31.60	9.56	24.37
39.8	40.0	31.63	9.58	24.39
44.8	45.1	31.70	9.58	24.45
49.5	49.9	31.74	9.58	24.48
59.7	60.1	31.77	9.57	24.50
69.5	70.0	31.80	9.57	24.53
80.5	81.0	31.83	9.57	24.55
90.5	91.0	31.85	9.56	24.57
95.4	96.0	31.86	9.56	24.58

CRUISE NO: 11 ALBERNI PROGRAM

LAT N 49 7.15

DATE 23/ 4/80

TIME (PST) 2005

TAPE: U01166 -192

LONG W 124 48.80

PASS NO. 66

STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.0	2.0	8.28	10.27	6.14	
5.0	4.9	27.99	9.69	21.53	
10.0	9.9	29.81	9.65	22.96	
14.9	14.8	30.09	9.62	23.18	
19.9	19.9	30.49	9.56	23.50	
25.2	25.2	30.84	9.55	23.78	
29.9	30.0	30.99	9.56	23.90	
34.9	35.0	31.18	9.57	24.04	
39.9	40.0	31.36	9.59	24.18	
44.7	44.8	31.42	9.60	24.23	
49.9	50.1	31.60	9.61	24.36	3.91
59.7	59.9	31.73	9.67	24.46	
69.9	70.1	31.73	9.69	24.45	
74.7	75.0	31.79	9.75	24.49	3.09
79.6	79.9	31.87	9.70	24.56	
89.8	90.1	31.91	9.65	24.60	
99.5	99.9	31.93	9.64	24.62	3.70
109.6	110.1	31.94	9.63	24.63	
120.5	121.1	31.94	9.63	24.63	
124.5	125.0	31.94	9.63	24.63	3.69
130.3	130.9	31.95	9.63	24.63	
133.4	134.0	31.95	9.63	24.63	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 11 ALBERNI PROGRAM

LAT N 49 9.91

DATE 23/ 4/80

TIME (PST) 2045

TAPE: U01166 -193

LONG W 124 48.62

PASS NO. 68

STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.0	2.0	6.24	10.26	4.55	
5.2	5.2	24.28	9.68	18.64	
10.1	10.1	29.56	9.58	22.77	
15.0	15.0	29.95	9.57	23.08	
19.9	19.9	30.34	9.45	23.41	
24.9	24.9	30.69	9.52	23.67	
30.0	30.0	30.94	9.55	23.86	
35.6	35.6	31.15	9.59	24.02	
39.8	39.9	31.30	9.61	24.13	
44.9	45.1	31.42	9.66	24.22	
50.0	50.2	31.55	9.78	24.30	2.71
59.6	59.9	31.72	9.75	24.43	
69.7	69.9	31.82	9.72	24.51	
74.8	75.1	31.84	9.71	24.54	3.20
80.2	80.5	31.88	9.68	24.57	
89.7	90.0	31.92	9.66	24.61	
98.3	98.7	31.94	9.65	24.62	

CRUISE NO: 11 ALBERNI PROGRAM

LAT N 49 12.16

DATE 23/ 4/80

TIME (PST) 2111

TAPE: U01166 -194

LONG W 124 49.02

PASS NO. 69

STN: A0

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.5	.4	4.10	10.25	2.89
1.9	1.9	7.84	10.07	5.81
5.1	5.0	17.71	9.84	13.51
10.0	9.9	29.35	9.53	22.62
15.1	15.0	30.02	9.51	23.15
20.1	20.0	30.47	9.53	23.49
25.0	25.0	30.91	9.62	23.82
30.0	30.0	31.16	9.70	24.01
35.0	35.0	31.29	9.74	24.10
39.9	40.0	31.37	9.75	24.16
44.9	45.0	31.50	9.75	24.26
49.8	50.0	31.58	9.76	24.32
54.5	54.7	31.63	9.75	24.36

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 12 ALBERNI PROGRAM

LAT N 49 12.16

DATE 13/ 6/80

TIME (PST) 1209

TAPE: U01166 -195

LONG W 124 49.02

PASS NO. 74

STN: AD

DEPTH	PRESS	SAL	TEMP	SIGMA-T
4.7	4.6	12.60	15.55	8.68
4.9	4.8	13.07	15.08	9.12
9.9	9.8	29.74	10.28	22.81
14.9	14.8	31.64	9.65	24.39
20.1	20.0	31.83	9.59	24.55
25.6	25.6	31.98	9.49	24.68
29.9	29.9	32.04	9.45	24.73
35.0	35.0	32.08	9.42	24.77
39.8	39.9	32.14	9.38	24.83
44.6	44.7	32.17	9.34	24.85
49.9	50.1	32.19	9.31	24.87
58.4	58.6	32.22	9.29	24.90

CRUISE NO: 12 ALBERNI PROGRAM

LAT N 49 9.91

DATE 13/ 6/80

TIME (PST) 1326

TAPE: U01166 -196

LONG W 124 48.62

PASS NO. 78

STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
4.7	4.6	14.21	14.96	10.02	
5.0	4.9	15.00	14.88	10.63	
10.1	10.1	22.38	12.93	16.65	
15.0	15.0	31.68	9.59	24.43	
20.0	19.9	31.84	9.55	24.56	
25.1	25.1	31.96	9.48	24.66	
30.0	30.0	32.05	9.43	24.75	
35.1	35.1	32.11	9.39	24.80	
40.0	40.1	32.14	9.36	24.82	
45.0	45.1	32.17	9.33	24.85	
49.9	50.0	32.20	9.30	24.88	3.51
59.8	60.0	32.23	9.28	24.91	
69.7	69.9	32.24	9.27	24.92	
74.9	75.2	32.25	9.25	24.93	3.51
79.6	79.9	32.26	9.24	24.93	
89.7	90.0	32.27	9.23	24.94	
99.7	100.1	32.27	9.23	24.95	3.47
109.6	110.1	32.28	9.22	24.96	
113.3	113.8	32.28	9.22	24.96	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 12 ALBERNI PROGRAM

LAT N 49 7.15

DATE 13/ 6/80

TIME (PST) 1425

TAPE: U01166 -197

LONG W 124 48.80

PASS NO. 82

STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
5.0	4.9	15.43	15.23	10.90	
10.2	10.1	25.45	11.82	19.22	
15.0	15.0	31.58	9.62	24.34	
20.0	20.0	31.84	9.45	24.58	
24.9	25.0	31.96	9.38	24.68	
30.0	30.0	31.98	9.38	24.70	
35.0	35.1	32.02	9.36	24.73	
39.8	39.9	32.09	9.31	24.79	
44.9	45.0	32.13	9.30	24.83	
49.9	50.1	32.15	9.30	24.84	3.52
59.8	60.0	32.18	9.30	24.87	
69.7	70.0	32.20	9.29	24.88	
74.8	75.0	32.21	9.28	24.89	3.56
79.7	80.0	32.21	9.27	24.90	
89.7	90.1	32.23	9.25	24.92	
99.6	100.0	32.24	9.24	24.92	3.56
109.5	110.0	32.25	9.24	24.93	
120.5	121.1	32.26	9.23	24.94	
125.4	126.0	32.26	9.23	24.94	3.51
130.4	131.0	32.26	9.23	24.94	
138.2	138.8	32.27	9.23	24.95	

CRUISE NO: 12 ALBERNI PROGRAM

LAT N 49 5.50

DATE 13/ 6/80

TIME (PST) 1538

TAPE: U01166 -198

LONG W 124 49.50

PASS NO. 85

STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
5.0	5.0	18.27	14.49	13.22
10.1	10.1	28.80	10.64	22.02
15.1	15.0	31.52	9.65	24.29
20.0	20.0	31.83	9.50	24.56
25.0	25.0	31.86	9.50	24.58
30.0	30.0	31.96	9.41	24.68
35.1	35.1	32.04	9.35	24.75
40.1	40.2	32.18	9.27	24.87
44.8	44.9	32.19	9.26	24.88
49.8	50.0	32.21	9.25	24.90
59.8	60.0	32.27	9.21	24.95
69.7	69.9	32.34	9.16	25.01
79.7	80.0	32.42	9.10	25.08
89.7	90.1	32.48	9.06	25.14
99.6	100.0	32.50	9.05	25.15
102.5	103.0	32.49	9.05	25.15

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 12 ALBERNI PROGRAM

LAT N 49 2.70

DATE 13/ 6/80

TIME (PST) 1615

TAPE: UD1166 -199

LONG W 124 51.11

PASS NO. 87

STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.6	.6	24.03	13.03	17.91
5.0	5.0	24.20	13.02	18.04
9.9	9.9	24.47	12.91	18.27
15.0	15.0	31.25	9.94	24.04
19.8	19.9	31.66	9.64	24.40
25.0	25.1	31.78	9.59	24.51
29.8	29.9	31.90	9.47	24.62
34.9	35.0	32.02	9.39	24.73
40.0	40.1	32.10	9.33	24.80
45.1	45.2	32.17	9.28	24.86
49.9	50.1	32.27	9.21	24.95
59.8	60.0	32.43	9.01	25.10
69.7	70.0	32.58	8.98	25.23
79.6	80.0	32.61	8.90	25.27
89.6	90.0	32.68	8.79	25.33
99.6	100.0	32.70	8.76	25.36
110.5	111.0	32.73	8.74	25.38
120.4	121.1	32.73	8.75	25.39
130.3	131.0	32.74	8.74	25.39
140.2	140.9	32.74	8.74	25.39
150.2	151.0	32.73	8.68	25.39
160.1	161.0	32.72	8.59	25.40
170.2	171.2	32.71	8.52	25.40
180.0	181.0	32.71	8.52	25.40
189.9	191.0	32.72	8.51	25.41
199.8	201.0	32.72	8.49	25.41
224.8	226.1	32.74	8.45	25.44
249.6	251.1	32.75	8.45	25.44
275.4	277.1	32.76	8.45	25.45
281.3	283.0	32.76	8.45	25.45

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 12 ALBERNI PROGRAM

LAT N 48 59.58

DATE 13/ 6/80

TIME (PST) 1706

TAPE: U01166 -200

LONG W 124 53.38

PASS NO. 89

STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
5.1	5.1	26.59	12.91	19.91	
10.1	10.1	31.53	10.19	24.22	
14.8	14.9	31.75	9.82	24.45	
20.0	20.0	31.83	9.67	24.53	
25.1	25.2	31.93	9.46	24.65	
29.9	30.0	32.01	9.37	24.72	
34.9	35.1	32.12	9.33	24.81	
39.8	40.0	32.19	9.26	24.88	
44.7	44.9	32.27	9.19	24.96	
49.9	50.2	32.42	9.00	25.10	3.53
59.7	60.0	32.58	8.90	25.24	
69.8	70.2	32.66	8.82	25.31	
74.6	75.0	32.66	8.81	25.32	4.14
79.7	80.1	32.67	8.80	25.32	
89.5	90.0	32.67	8.79	25.33	
100.3	100.9	32.70	8.74	25.36	2.68
110.5	111.1	32.72	8.70	25.38	
120.3	121.0	32.73	8.68	25.39	
125.4	126.1	32.72	8.68	25.39	2.45
130.3	131.1	32.73	8.66	25.39	
140.2	141.0	32.72	8.63	25.40	
150.1	151.0	32.72	8.58	25.40	2.60
160.0	161.0	32.72	8.55	25.40	
170.0	171.0	32.72	8.52	25.41	
179.9	181.0	32.73	8.49	25.42	
189.8	191.0	32.74	8.49	25.43	
199.7	200.9	32.74	8.49	25.43	3.03
224.7	226.1	32.76	8.47	25.44	
250.3	251.8	32.77	8.46	25.45	2.97
275.3	277.1	32.77	8.45	25.46	
300.0	301.9	32.77	8.45	25.46	
320.9	322.9	32.77	8.45	25.46	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 12 ALBERNI PROGRAM
 LAT N 48 58.78
 DATE 13/ 6/80
 TIME (PST) 1807

TAPE: U01166 -201
 LONG W 124 57.80
 PASS NO. 91
 STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.3	2.3	28.58	12.20	21.58
5.0	5.0	28.68	12.09	21.67
10.1	10.1	31.57	10.20	24.25
15.0	15.1	31.71	9.96	24.39
20.0	20.0	31.80	9.76	24.49
24.9	25.0	31.90	9.51	24.61
29.9	30.1	32.01	9.37	24.72
34.8	35.0	32.11	9.30	24.81
39.7	39.9	32.17	9.24	24.87
44.8	45.0	32.28	9.14	24.97
49.8	50.0	32.38	9.01	25.07
59.7	60.0	32.52	8.91	25.20
69.6	70.0	32.60	8.83	25.27
79.5	80.0	32.63	8.78	25.30
89.6	90.0	32.67	8.74	25.33
100.4	100.9	32.70	8.70	25.37
110.3	110.9	32.71	8.66	25.38
120.5	121.2	32.72	8.64	25.39
130.2	131.0	32.72	8.63	25.40
140.3	141.1	32.73	8.56	25.41
150.1	151.0	32.75	8.48	25.44
160.1	161.0	32.83	8.32	25.52
170.0	171.0	32.87	8.24	25.57
176.7	177.7	32.88	8.23	25.58

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 12 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 13/ 6/80
 TIME (PST) 1850

TAPE: U01166 -202
 LONG W 125 1.30
 PASS NO. 93
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.7	2.7	27.53	13.36	20.55	
4.9	4.9	27.70	13.47	20.66	
10.1	10.1	30.00	11.53	22.80	
15.0	15.0	31.80	9.92	24.47	
19.9	20.0	31.87	9.70	24.56	
25.0	25.1	31.94	9.51	24.65	
30.0	30.1	32.01	9.35	24.72	
34.9	35.0	32.05	9.31	24.77	
39.8	40.0	32.14	9.27	24.84	
44.7	44.9	32.26	9.18	24.94	
49.8	50.1	32.38	8.99	25.07	3.79
59.7	60.0	32.56	8.81	25.24	
69.6	69.9	32.62	8.73	25.30	
74.7	75.0	32.64	8.69	25.32	3.53
79.6	80.1	32.65	8.67	25.33	
89.5	90.0	32.66	8.62	25.35	
100.5	101.0	32.69	8.64	25.37	3.21
110.4	111.1	32.70	8.62	25.38	
120.3	120.9	32.73	8.62	25.40	
125.3	126.0	32.74	8.55	25.42	3.09
130.4	131.1	32.74	8.49	25.43	
140.2	141.0	32.76	8.50	25.44	
150.1	151.0	32.78	8.39	25.48	3.08
160.2	161.2	32.84	8.31	25.54	
170.0	171.0	32.86	8.28	25.56	
179.8	180.9	32.87	8.26	25.57	
189.7	190.9	32.89	8.24	25.58	
199.8	201.0	32.89	8.24	25.58	2.99
212.7	214.0	32.89	8.24	25.58	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 12 ALBERNI PROGRAM

LAT N 48 57.72

DATE 13/ 6/80

TIME (PST) 1936

TAPE: U01166 -203

LONG W 125 4.48

PASS NO. 95

STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
4.7	4.9	27.26	13.69	20.28
9.8	10.0	31.25	10.83	23.89
14.8	15.0	31.68	10.09	24.35
19.7	20.0	31.85	9.64	24.55
24.7	25.0	31.89	9.53	24.60
29.7	30.0	31.97	9.40	24.69
34.6	35.0	32.07	9.25	24.79
39.7	40.0	32.15	9.20	24.86
44.7	45.1	32.22	9.12	24.93
49.5	49.9	32.32	8.99	25.02
59.6	60.1	32.52	8.82	25.20
69.6	70.1	32.60	8.73	25.28
79.5	80.1	32.69	8.59	25.37
90.4	91.0	32.82	8.32	25.52
100.3	101.0	32.88	8.22	25.58
110.2	111.0	32.91	8.18	25.61
120.1	121.0	32.93	8.15	25.63
130.2	131.1	32.94	8.14	25.64
140.1	141.1	32.94	8.14	25.64
150.0	151.0	32.93	8.15	25.63
160.0	161.1	32.93	8.15	25.63
166.9	168.1	32.94	8.14	25.64

CRUISE NO: 12 ALBERNI PROGRAM

LAT N 48 58.20

DATE 13/ 6/80

TIME (PST) 2010

TAPE: U01166 -204

LONG W 125 7.80

PASS NO. 97

STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
5.0	5.0	29.25	12.91	21.97	
10.0	10.1	30.55	11.61	23.21	
15.1	15.1	31.72	10.16	24.37	
19.9	20.0	31.84	9.71	24.53	
24.9	25.0	31.91	9.55	24.62	
29.9	30.0	31.96	9.43	24.68	
34.9	35.1	32.02	9.30	24.74	
39.8	40.0	32.09	9.18	24.82	
44.8	45.0	32.16	9.11	24.88	
49.7	49.9	32.24	9.03	24.96	3.89
59.7	60.0	32.46	8.81	25.16	
69.7	70.0	32.66	8.61	25.35	
74.6	75.0	32.75	8.47	25.44	3.03
79.5	79.9	32.82	8.33	25.52	
90.5	91.0	32.86	8.26	25.56	2.82
93.4	93.9	32.94	8.15	25.63	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 12 ALBERNI PROGRAM

LAT N 48 54.15

DATE 13/ 6/80

TIME (PST) 2105

TAPE: U01166 -205

LONG W 125 12.95

PASS NO. 99

STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.1	2.1	30.86	12.28	23.33
5.0	5.0	30.98	11.77	23.52
9.9	9.9	31.41	11.03	23.98
14.9	15.0	31.76	10.02	24.42
20.0	20.0	31.81	9.82	24.49
24.9	25.0	31.86	9.68	24.55
29.9	30.1	31.99	9.39	24.70
34.8	35.0	32.08	9.21	24.80
39.8	40.0	32.13	9.13	24.85
44.8	45.0	32.17	9.06	24.90
49.7	50.0	32.21	8.98	24.94
59.7	60.0	32.35	8.89	25.07
69.7	70.1	32.47	8.82	25.17
80.5	80.9	32.65	8.62	25.34
89.5	90.0	32.90	8.19	25.60
100.3	100.9	32.97	8.10	25.67
103.4	103.9	32.97	8.10	25.67

CRUISE NO: 12 ALBERNI PROGRAM

LAT N 48 50.05

DATE 13/ 6/80

TIME (PST) 2141

TAPE: U01166 -206

LONG W 125 15.80

PASS NO.101

STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
5.1	5.1	31.15	11.12	23.76	
10.0	10.0	31.63	10.09	24.31	
14.9	15.0	31.80	9.57	24.52	
20.0	20.1	31.82	9.36	24.58	
24.9	25.0	31.87	9.34	24.62	
29.9	30.0	31.94	9.28	24.68	
34.8	34.9	32.09	9.07	24.83	
39.8	40.0	32.18	8.97	24.92	
44.9	45.1	32.19	8.96	24.93	
49.9	50.1	32.23	8.93	24.96	3.94
59.7	60.0	32.37	8.83	25.09	
69.7	70.1	32.66	8.55	25.36	
74.6	75.0	32.69	8.42	25.40	3.60
80.4	80.9	32.79	8.31	25.49	
90.5	91.0	32.92	8.17	25.62	
95.4	95.9	32.97	8.14	25.66	3.40
99.3	99.9	32.97	8.14	25.66	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 12 ALBERNI PROGRAM

LAT N 48 48.20

DATE 13/ 6/80

TIME (PST) 2212

TAPE: U01166 -207

LONG W 125 14.40

PASS NO.103

STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
5.1	5.1	31.62	10.06	24.31
9.9	10.0	31.60	10.08	24.29
15.0	15.1	31.67	9.95	24.36
20.0	20.0	31.67	9.97	24.36
24.9	25.0	31.68	9.73	24.41
29.9	30.1	32.12	8.83	24.89
34.9	35.1	32.39	8.59	25.14
39.8	40.0	32.58	8.45	25.31
44.5	44.7	32.62	8.42	25.35

CRUISE NO: 12 ALBERNI PROGRAM

LAT N 48 51.50

DATE 13/ 6/80

TIME (PST) 2256

TAPE: U01166 -208

LONG W 125 8.10

PASS NO.106

STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
5.0	5.1	30.48	11.95	23.09	
10.0	10.0	31.05	11.24	23.66	
15.0	15.1	31.71	10.09	24.37	
19.9	20.0	31.74	9.93	24.42	
24.9	25.0	31.80	9.77	24.50	
29.8	30.0	31.86	9.62	24.57	
34.9	35.0	32.03	9.36	24.74	
39.8	40.0	32.08	9.28	24.79	
44.9	45.1	32.19	9.12	24.90	
49.7	49.9	32.33	8.99	25.03	3.60
59.8	60.1	32.41	8.94	25.10	
69.7	70.0	32.55	8.82	25.23	
74.6	75.0	32.58	8.78	25.26	2.97
79.5	80.0	32.59	8.77	25.27	
89.6	90.1	32.63	8.70	25.31	3.03
92.5	93.0	32.64	8.68	25.32	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 12 ALBERNI PROGRAM

LAT N 48 53.78

DATE 13/ 6/80

TIME (PST) 2342

TAPE: UQ1166 -209

LONG W 125 3.05

PASS NO.108

STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.0	2.0	29.17	13.19	21.85
5.0	5.0	29.30	13.06	21.97
10.0	10.0	30.85	11.26	23.50
14.9	14.9	31.69	10.11	24.35
19.8	19.9	31.77	9.93	24.45
25.0	25.1	31.88	9.59	24.59
29.9	30.0	31.95	9.46	24.66
34.9	35.0	32.06	9.28	24.77
39.8	40.0	32.11	9.24	24.82
44.8	45.0	32.23	9.12	24.93
49.8	50.0	32.30	9.04	25.00
59.8	60.1	32.49	8.86	25.18
69.6	70.0	32.58	8.78	25.26
79.5	80.0	32.62	8.74	25.30
89.5	90.0	32.65	8.66	25.33
100.5	101.0	32.66	8.63	25.34
110.4	111.0	32.67	8.60	25.36
120.3	121.0	32.69	8.55	25.38
130.2	131.0	32.71	8.52	25.40
140.1	140.9	32.73	8.47	25.42
150.1	151.0	32.76	8.41	25.46
160.1	161.0	32.76	8.41	25.46
170.0	171.0	32.78	8.38	25.48
178.5	179.6	32.80	8.36	25.50

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 12 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 14/ 6/80
 TIME (PST) 0042

TAPE: U01166 -210
 LONG W 125 1.30
 PASS NO.111
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T
5.1	5.1	27.83	13.66	20.73
10.0	10.0	27.94	13.66	20.81
14.9	15.0	31.75	10.21	24.38
20.0	20.1	31.81	9.84	24.49
24.8	24.9	31.85	9.72	24.54
29.8	29.9	31.96	9.47	24.67
34.8	35.0	32.08	9.30	24.79
39.8	39.9	32.22	9.15	24.92
44.7	44.9	32.27	9.11	24.96
49.8	50.0	32.31	9.05	25.01
59.7	60.0	32.52	8.83	25.20
69.7	70.0	32.61	8.74	25.29
79.7	80.1	32.62	8.72	25.30
89.6	90.0	32.64	8.67	25.33
100.4	100.9	32.67	8.61	25.35
110.4	111.0	32.69	8.59	25.37
120.4	121.0	32.71	8.61	25.39
130.4	131.1	32.74	8.50	25.43
140.2	141.0	32.75	8.47	25.44
150.2	151.0	32.77	8.44	25.46
160.1	161.0	32.77	8.44	25.46
169.9	170.9	32.81	8.36	25.51
179.9	181.0	32.84	8.32	25.53
189.8	191.0	32.86	8.29	25.55
199.4	200.6	32.88	8.25	25.57

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 12A ALBERNI PROGRAM

LAT N 49 12.16

DATE 25/ 7/80

TIME (PST) 0815

TAPE: U01166 -211

LONG W 124 49.02

PASS NO. 0

STN: A0

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.1	.1	12.58	18.38	8.10
2.1	2.0	14.24	18.06	9.43
5.0	5.0	25.05	13.15	18.67
10.0	10.0	31.75	9.66	24.47
15.0	15.0	31.92	9.53	24.62
20.1	20.2	32.07	9.44	24.76
24.8	24.8	32.13	9.39	24.82
30.0	30.1	32.22	9.31	24.90
35.0	35.1	32.26	9.27	24.93
39.6	39.8	32.27	9.26	24.95
45.0	45.2	32.29	9.24	24.96
49.7	49.9	32.29	9.23	24.97
51.3	51.5	32.29	9.23	24.97

CRUISE NO: 12A ALBERNI PROGRAM

LAT N 49 9.91

DATE 25/ 7/80

TIME (PST) 0852

TAPE: U01166 -212

LONG W 124 48.62

PASS NO. 0

STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.0	.0	13.10	18.43	8.49	5.08
1.6	1.6	17.91	18.02	12.23	
4.9	4.9	22.93	15.07	16.68	
10.0	10.0	31.72	9.77	24.43	
15.2	15.2	31.90	9.59	24.60	
19.9	20.0	32.05	9.47	24.74	
25.2	25.3	32.15	9.39	24.83	
30.1	30.2	32.20	9.33	24.87	
35.1	35.2	32.23	9.29	24.91	
40.0	40.1	32.25	9.28	24.92	
45.0	45.2	32.28	9.24	24.95	
50.1	50.3	32.29	9.23	24.96	2.45
59.9	60.2	32.31	9.22	24.98	
69.7	70.0	32.34	9.18	25.01	
74.8	75.2	32.33	9.19	25.00	2.77
80.0	80.4	32.34	9.18	25.01	
89.7	90.1	32.35	9.18	25.02	
100.0	100.5	32.35	9.18	25.02	2.62
100.0	100.5	32.35	9.18	25.02	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 12A ALBERNI PROGRAM

LAT N 49 7.15

DATE 25/ 7/80

TIME (PST) 0953

TAPE: U01166 -213

LONG W 124 48.80

PASS NO. 0

STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.1	.1	16.54	17.77	11.24	5.55
1.5	1.5	18.22	17.23	12.64	
5.3	5.2	28.98	11.66	21.98	
10.2	10.2	31.48	9.93	24.21	
15.1	15.1	31.85	9.67	24.55	
20.2	20.3	31.93	9.60	24.62	
25.0	25.1	31.96	9.56	24.66	
30.0	30.1	32.14	9.40	24.82	
34.9	35.0	32.14	9.39	24.82	
40.1	40.2	32.18	9.36	24.85	
45.0	45.2	32.21	9.32	24.89	
50.1	50.3	32.22	9.32	24.89	3.19
60.0	60.3	32.24	9.29	24.91	
69.9	70.3	32.27	9.27	24.94	
80.1	80.5	32.33	9.19	25.00	
84.7	85.1	32.32	9.21	24.99	

CRUISE NO: 12A ALBERNI PROGRAM

LAT N 49 5.50

DATE 25/ 7/80

TIME (PST) 1039

TAPE: U01166 -214

LONG W 124 49.50

PASS NO. 0

STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.0	.0	28.76	17.82	20.55
3.0	3.0	28.77	16.99	20.75
5.0	5.0	28.77	12.81	21.61
10.0	10.0	31.96	9.70	24.63
15.9	16.0	32.00	9.63	24.68
19.9	20.0	32.13	9.52	24.80
24.9	25.0	32.26	9.35	24.92
30.9	31.0	32.32	9.28	24.98
34.8	35.0	32.37	9.25	25.03
40.8	41.0	32.41	9.16	25.07
44.8	45.0	32.50	9.08	25.15
49.8	50.0	32.55	9.02	25.20
59.7	60.0	32.63	8.90	25.28
62.7	63.0	32.64	8.90	25.29

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 12A ALBERNI PROGRAM

LAT N 48 58.78

DATE 25/ 7/80

TIME (PST) 1258

TAPE: U01166 -215

LONG W 124 57.80

PASS NO. 0

STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.0	.0	28.76	17.99	20.51
2.0	2.0	29.49	14.55	21.83
5.0	5.0	31.82	10.95	24.31
10.0	10.0	31.87	10.38	24.45
14.9	15.0	31.98	9.90	24.62
19.9	20.0	32.13	9.57	24.79
24.9	25.0	32.20	9.36	24.88
29.9	30.0	32.24	9.31	24.91
34.8	35.0	32.33	9.23	25.00
39.8	40.0	32.40	9.12	25.07
45.8	46.0	32.45	9.03	25.12
49.7	50.0	32.58	8.89	25.25
58.7	59.0	32.71	8.77	25.37
69.6	70.0	32.77	8.64	25.43
79.6	80.0	32.80	8.55	25.47
87.5	88.0	32.83	8.47	25.51
100.4	101.0	32.84	8.46	25.52
109.4	110.0	32.87	8.42	25.54
119.3	120.0	32.87	8.42	25.54
130.2	131.0	32.90	8.42	25.57
140.2	141.0	32.92	8.43	25.58
149.1	150.0	32.95	8.42	25.61
158.0	159.0	32.96	8.42	25.62
170.0	171.0	32.98	8.41	25.63
170.0	171.0	32.98	8.41	25.63

CRUISE NO: 12A ALBERNI PROGRAM

LAT N 48 57.72

DATE 25/ 7/80

TIME (PST) 1451

TAPE: U01166 -216

LONG W 125 4.48

PASS NO. 0

STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.2	1.2	31.64	11.46	24.08
10.1	10.1	31.92	10.16	24.53
15.2	15.3	32.05	9.76	24.69
20.0	20.1	32.13	9.52	24.80
34.9	35.1	32.39	9.15	25.06
44.9	45.1	32.69	8.64	25.37
54.7	55.0	32.76	8.54	25.44
59.8	60.1	32.79	8.51	25.47
69.6	70.0	32.94	8.36	25.61
79.8	80.3	32.96	8.35	25.63
89.6	90.1	32.98	8.33	25.64
99.8	100.4	32.99	8.32	25.65
109.3	110.0	32.99	8.31	25.66
119.3	120.0	32.87	8.42	25.54
126.2	127.0	32.88	8.42	25.55

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 12A ALBERNI PROGRAM

LAT N 48 57.02

DATE 25/ 7/80

TIME (PST) 1346

TAPE: U01166 -217

LONG W 125 1.30

PASS NO. 0

STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.0	.0	28.77	15.21	21.14	6.95
2.0	2.0	28.77	14.52	21.28	
5.0	5.0	31.63	12.69	23.85	
10.0	10.0	31.99	10.18	24.58	
14.9	15.0	32.09	9.79	24.72	
19.9	20.0	32.11	9.67	24.76	
24.9	25.0	32.17	9.56	24.82	
29.9	30.0	32.24	9.47	24.89	
35.8	36.0	32.30	9.30	24.96	
40.8	41.0	32.50	8.99	25.17	
44.8	45.0	32.61	8.84	25.28	
48.8	49.0	32.72	8.66	25.39	2.74
59.7	60.0	32.76	8.61	25.43	
68.6	69.0	32.78	8.54	25.46	
75.6	76.0	32.80	8.53	25.47	2.43
80.6	81.0	32.80	8.51	25.48	
90.5	91.0	32.84	8.47	25.51	
100.4	101.0	32.86	8.45	25.53	2.62
112.3	113.0	32.88	8.42	25.55	
117.3	118.0	32.89	8.42	25.56	
126.3	127.0	32.90	8.43	25.57	2.56
129.2	130.0	32.92	8.43	25.58	
138.2	139.0	32.93	8.44	25.59	
149.1	150.0	32.94	8.43	25.60	2.52
160.0	161.0	32.95	8.41	25.61	
167.0	168.0	32.97	8.41	25.62	
179.9	181.0	32.98	8.41	25.63	
190.8	192.0	32.98	8.40	25.63	
195.8	197.0	32.98	8.40	25.63	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 12A ALBERNI PROGRAM
 LAT N 48 58.20
 DATE 25/ 7/80
 TIME (PST) 1526

TAPE: U01166 -218
 LONG W 125 7.80
 PASS NO. 0
 STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.0	.0	28.77	16.34	20.89	6.90
2.0	2.0	31.45	13.35	23.58	
5.0	5.0	31.76	11.30	24.21	
10.0	10.0	32.02	9.87	24.65	
14.9	15.0	32.10	9.61	24.76	
20.9	21.0	32.21	9.43	24.87	
24.9	25.0	32.29	9.39	24.94	
29.9	30.0	32.35	9.24	25.01	
35.8	36.0	32.40	9.19	25.06	
39.8	40.0	32.49	9.05	25.15	
45.8	46.0	32.66	8.78	25.33	
49.7	50.0	32.69	8.69	25.36	2.81
60.7	61.0	32.85	8.50	25.52	
70.6	71.0	32.91	8.43	25.57	
75.6	76.0	32.97	8.41	25.62	2.21
78.6	79.0	32.98	8.39	25.64	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 12A ALBERNI PROGRAM
 LAT N 48 54.15
 DATE 25/ 7/80
 TIME (PST) 1618

TAPE: U01166 -219
 LONG W 125 12.95
 PASS NO. 0
 STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.0	.0	28.76	18.37	20.42
2.0	2.0	29.66	15.12	21.84
5.0	5.0	31.91	11.55	24.28
10.0	10.0	31.91	11.19	24.34
14.9	15.0	31.97	10.44	24.52
20.9	21.0	32.17	9.96	24.75
25.9	26.0	32.24	9.60	24.87
29.9	30.0	32.30	9.39	24.95
35.8	36.0	32.38	9.21	25.04
39.8	40.0	32.42	9.11	25.09
45.8	46.0	32.52	8.97	25.19
49.7	50.0	32.60	8.81	25.27
59.7	60.0	32.81	8.54	25.48
69.6	70.0	32.96	8.42	25.62
79.6	80.0	32.99	8.37	25.65
83.5	84.0	33.02	8.35	25.67

CRUISE NO: 12A ALBERNI PROGRAM
 LAT N 48 50.05
 DATE 25/ 7/80
 TIME (PST) 1714

TAPE: U01166 -220
 LONG W 125 15.80
 PASS NO. 0
 STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.0	.0	30.68	14.07	22.84	6.24
2.0	2.0	30.68	13.60	22.94	
6.0	6.0	31.88	10.92	24.37	
10.0	10.0	32.05	10.23	24.62	
15.9	16.0	32.19	9.62	24.83	
19.9	20.0	32.20	9.55	24.84	
24.9	25.0	32.28	9.35	24.94	
30.8	31.0	32.34	9.22	25.01	
35.8	36.0	32.41	9.13	25.08	
40.8	41.0	32.44	9.08	25.11	
45.8	46.0	32.45	9.06	25.12	
49.7	50.0	32.55	8.92	25.22	3.46
59.7	60.0	32.67	8.76	25.34	
68.6	69.0	32.93	8.46	25.59	
74.6	75.0	32.94	8.43	25.60	2.74
79.6	80.0	33.01	8.33	25.67	
90.5	91.0	33.12	8.20	25.77	
99.4	100.0	33.17	8.13	25.82	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 12A ALBERNI PROGRAM

LAT N 48 48.20

DATE 25/ 7/80

TIME (PST) 1743

TAPE: U01166 -221

LONG W 125 14.40

PASS NO. 0

STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.0	.0	30.20	14.02	22.48
2.0	2.0	31.14	12.43	23.52
5.0	5.0	31.91	10.77	24.42
11.0	11.0	31.97	10.34	24.54
14.9	15.0	32.22	9.42	24.88
19.9	20.0	32.27	9.40	24.92
24.9	25.0	32.32	9.32	24.98
29.8	30.0	32.38	9.20	25.04
34.8	35.0	32.45	9.02	25.12
53.7	54.0	32.60	8.89	25.26

CRUISE NO: 12A ALBERNI PROGRAM

LAT N 48 51.50

DATE 25/ 7/80

TIME (PST) 1830

TAPE: U01166 -222

LONG W 125 8.10

PASS NO. 0

STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.0	.0	28.76	16.34	20.89	7.31
2.0	2.0	31.07	12.61	23.43	
5.0	5.0	31.72	11.28	24.18	
10.0	10.0	31.95	10.20	24.54	
14.9	15.0	32.11	9.74	24.74	
19.9	20.0	32.21	9.61	24.84	
25.9	26.0	32.25	9.45	24.90	
29.9	30.0	32.30	9.38	24.95	
34.8	35.0	32.38	9.22	25.04	
39.8	40.0	32.43	9.12	25.09	
44.8	45.0	32.50	8.98	25.17	
49.7	50.0	32.57	8.83	25.25	2.77
60.7	61.0	32.74	8.59	25.42	
70.6	71.0	32.80	8.50	25.48	
76.6	77.0	32.82	8.48	25.50	1.92
80.5	81.0	32.83	8.47	25.51	
88.5	89.0	32.84	8.46	25.52	
104.4	105.0	32.86	8.44	25.53	2.68
109.4	110.0	32.89	8.41	25.56	
122.3	123.0	32.90	8.40	25.57	
122.3	123.0	32.90	8.40	25.57	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 13 ALBERNI PROGRAM
 LAT N 49 12.16
 DATE 12/ 8/80
 TIME (PST) 1236

TAPE: U01166 -223
 LONG W 124 49.02
 PASS NO. 1
 STN: A0

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.4	.4	10.79	20.35	6.32
2.0	2.0	11.37	20.06	6.81
5.0	5.0	21.29	16.00	15.23
10.1	10.0	31.14	10.33	23.89
15.0	15.0	31.73	9.75	24.44
20.0	20.0	31.87	9.61	24.58
24.9	25.0	31.99	9.51	24.69
29.9	29.9	32.11	9.41	24.80
34.9	35.0	32.17	9.36	24.85
34.9	35.0	32.17	9.36	24.85

CRUISE NO: 13 ALBERNI PROGRAM
 LAT N 49 9.91
 DATE 12/ 8/80
 TIME (PST) 1302

TAPE: U01166 -224
 LONG W 124 48.62
 PASS NO. 3
 STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.5	.5	16.36	18.90	10.86	
2.0	2.0	16.94	18.61	11.36	
5.1	5.0	21.28	17.24	14.97	
10.0	10.0	30.96	10.52	23.71	
15.1	15.0	31.81	9.71	24.51	
20.0	20.0	31.94	9.59	24.63	
25.0	25.1	32.06	9.47	24.75	
29.9	29.9	32.14	9.39	24.82	
34.8	34.9	32.18	9.35	24.86	
39.9	40.0	32.23	9.30	24.91	
44.9	45.0	32.28	9.25	24.95	
49.9	50.1	32.29	9.23	24.97	2.28
59.9	60.1	32.31	9.21	24.98	
69.7	70.0	32.33	9.18	25.00	
74.7	75.1	32.33	9.18	25.01	2.58
79.6	80.0	32.34	9.17	25.01	
89.6	90.0	32.34	9.16	25.01	
99.5	100.0	32.35	9.16	25.02	2.53
107.6	108.2	32.35	9.15	25.02	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 13 ALBERNI PROGRAM

LAT N 49 7.15

DATE 12/ 8/80

TIME (PST) 1358

TAPE: U01166 -225

LONG W 124 48.80

PASS NO. 5

STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.7	.7	18.76	18.42	12.79	
2.0	2.0	19.46	17.98	13.42	
5.0	5.0	21.03	17.22	14.78	
10.1	10.1	31.11	10.71	23.80	
14.9	15.0	31.87	9.81	24.54	
19.9	20.0	31.91	9.74	24.59	
24.9	24.9	31.99	9.63	24.67	
30.0	30.1	32.10	9.50	24.77	
34.9	35.0	32.19	9.37	24.87	
40.0	40.1	32.23	9.31	24.90	
44.9	45.0	32.25	9.29	24.92	
49.8	50.0	32.28	9.25	24.95	2.79
59.6	59.9	32.31	9.20	24.99	
69.8	70.1	32.32	9.20	25.00	
74.7	75.0	32.33	9.18	25.00	2.68
79.6	80.0	32.33	9.18	25.00	
89.6	90.0	32.34	9.17	25.01	
99.5	100.0	32.34	9.16	25.01	2.77
110.5	111.0	32.35	9.16	25.02	
120.4	121.0	32.35	9.16	25.02	
125.3	125.9	32.35	9.15	25.02	2.75
130.3	131.0	32.36	9.15	25.03	
136.9	137.6	32.36	9.15	25.03	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 13 ALBERNI PROGRAM
 LAT N 49 5.50
 DATE 12/ 8/80
 TIME (PST) 1452

TAPE: U01166 -226
 LONG W 124 49.50
 PASS NO. 7
 STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.7	.7	22.06	17.26	15.56
2.0	2.0	22.12	17.21	15.61
5.1	5.0	22.25	17.11	15.74
10.0	9.9	29.09	12.77	21.86
14.9	14.9	31.70	10.14	24.35
20.0	20.0	31.85	9.89	24.51
24.9	24.9	31.96	9.72	24.63
29.9	30.0	32.18	9.40	24.85
34.9	35.0	32.28	9.25	24.96
39.8	39.9	32.29	9.25	24.96
44.8	45.0	32.34	9.17	25.01
49.8	50.0	32.39	9.09	25.07
59.8	60.0	32.56	8.85	25.23
69.6	69.9	32.62	8.76	25.29
79.6	79.9	32.66	8.70	25.33
89.6	90.0	32.68	8.67	25.35
100.4	100.9	32.68	8.66	25.36
100.4	100.9	32.68	8.66	25.36

COASTAL ZONE OCEANOGRAPHY
CRUISE NO: 13 ALBERNI PROGRAM
LAT N 49 2.70
DATE 12/ 8/80
TIME (PST) 1516

TAPE: U01166 -227
LONG W 124 51.11
PASS NO. 9
STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
5.0	5.0	24.24	16.02	17.49
10.0	10.0	29.81	12.47	22.48
15.0	15.0	31.75	10.47	24.34
20.1	20.1	31.96	10.07	24.57
25.0	25.1	32.03	9.66	24.69
29.8	29.9	32.12	9.46	24.79
34.9	35.0	32.24	9.33	24.91
39.9	40.1	32.29	9.24	24.96
44.9	45.1	32.35	9.15	25.03
49.8	50.0	32.43	9.04	25.10
59.8	60.1	32.68	8.69	25.35
69.8	70.1	32.77	8.47	25.45
79.6	80.0	32.81	8.40	25.49
90.5	90.9	32.84	8.37	25.53
100.5	101.0	32.87	8.36	25.55
110.5	111.1	32.88	8.37	25.55
120.3	121.0	32.89	8.37	25.56
130.4	131.1	32.89	8.37	25.57
140.2	141.0	32.90	8.37	25.57
150.2	151.0	32.91	8.37	25.58
160.1	161.0	32.91	8.36	25.58
170.1	171.1	32.92	8.36	25.59
179.9	181.0	32.93	8.35	25.60
188.5	189.6	32.93	8.35	25.60

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 13 ALBERNI PROGRAM
 LAT N 48 59.58
 DATE 12/ 8/80
 TIME (PST) 1606

TAPE: U01166 -228
 LONG W 124 53.38
 PASS NO. 11
 STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
4.9	4.9	31.13	12.33	23.53	
9.9	9.9	31.85	10.72	24.37	
15.0	15.0	31.97	10.23	24.55	
19.9	20.0	32.02	10.02	24.62	
25.0	25.1	32.10	9.55	24.76	
29.9	30.0	32.19	9.34	24.87	
34.8	34.9	32.26	9.24	24.94	
39.8	40.0	32.37	9.11	25.04	
44.8	45.0	32.46	8.99	25.13	
49.7	49.9	32.56	8.85	25.23	2.75
59.8	60.1	32.76	8.50	25.44	
69.6	70.0	32.80	8.44	25.48	
74.6	75.0	32.81	8.42	25.49	2.43
80.5	80.9	32.82	8.41	25.50	
90.5	91.0	32.85	8.37	25.54	
100.4	101.0	32.87	8.37	25.55	2.48
110.4	111.0	32.89	8.37	25.56	
120.3	121.0	32.89	8.37	25.57	
125.2	125.9	32.89	8.37	25.57	2.43
130.2	131.0	32.89	8.37	25.57	
140.1	140.9	32.91	8.36	25.58	
150.0	150.9	32.92	8.36	25.59	2.43
160.0	161.0	32.92	8.35	25.59	
170.0	171.0	32.93	8.34	25.60	
179.8	180.9	32.94	8.33	25.61	
189.8	191.0	32.94	8.33	25.61	
199.8	201.0	32.94	8.33	25.61	2.35
224.7	226.1	32.96	8.31	25.63	
250.3	251.9	32.96	8.31	25.63	2.37
275.3	277.1	32.96	8.31	25.63	
300.0	302.0	32.97	8.31	25.63	2.33
324.8	327.0	32.97	8.31	25.63	
339.7	342.0	32.97	8.31	25.64	2.32
346.8	349.1	32.97	8.31	25.64	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 13 ALBERNI PROGRAM
 LAT N 48 58.78
 DATE 12/ 8/80
 TIME (PST) 1709

TAPE: U01166 -229
 LONG W 124 57.80
 PASS NO. 13
 STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.0	2.0	27.38	15.70	19.96
5.0	5.0	30.26	13.23	22.68
10.0	10.1	31.82	11.02	24.30
15.0	15.0	31.93	10.59	24.46
19.9	20.0	32.01	10.29	24.57
24.9	25.0	32.04	10.04	24.64
29.8	29.9	32.13	9.64	24.77
34.9	35.1	32.28	9.24	24.95
39.8	40.0	32.37	9.12	25.04
44.8	45.0	32.44	9.00	25.12
49.7	50.0	32.65	8.71	25.32
59.7	60.0	32.72	8.58	25.40
69.6	70.0	32.78	8.47	25.47
79.5	79.9	32.82	8.41	25.50
89.5	90.0	32.84	8.39	25.52
100.4	101.0	32.86	8.37	25.54
110.4	111.1	32.88	8.37	25.56
120.4	121.1	32.89	8.36	25.57
130.3	131.1	32.90	8.36	25.58
140.2	141.1	32.93	8.33	25.60
150.1	151.0	32.98	8.28	25.65
160.0	161.0	33.03	8.23	25.70
170.0	171.0	33.04	8.23	25.70
179.9	181.0	33.04	8.23	25.70
189.8	191.0	33.05	8.22	25.71
191.8	193.0	33.05	8.22	25.71

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 13 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 12/ 8/80
 TIME (PST) 1743

TAPE: U01166 -230
 LONG W 125 1.30
 PASS NO. 15
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.1	.1	28.15	16.87	20.29	
1.9	1.9	28.17	16.84	20.32	
5.0	5.0	28.41	16.63	20.55	
10.1	10.1	31.93	10.95	24.40	
14.9	15.0	31.97	10.52	24.50	
20.0	20.1	32.03	10.22	24.60	
25.0	25.1	32.07	10.02	24.66	
29.8	29.9	32.18	9.61	24.81	
35.0	35.1	32.26	9.36	24.92	
39.7	39.9	32.37	9.14	25.04	
44.8	45.1	32.56	8.83	25.23	
49.8	50.0	32.66	8.67	25.34	2.44
59.6	59.9	32.77	8.50	25.45	
69.6	70.0	32.81	8.45	25.49	
74.7	75.1	32.82	8.44	25.50	2.24
79.6	80.0	32.83	8.42	25.51	
90.5	91.0	32.85	8.39	25.53	
100.4	101.0	32.86	8.38	25.54	2.43
110.3	111.0	32.89	8.36	25.57	
120.3	121.0	32.91	8.35	25.58	
125.3	126.1	32.92	8.34	25.59	2.33
130.2	131.0	32.93	8.33	25.60	
140.3	141.1	32.97	8.29	25.64	
150.1	151.0	32.99	8.27	25.66	2.27
160.1	161.0	33.00	8.26	25.67	
169.9	170.9	33.02	8.25	25.69	
179.9	181.0	33.03	8.24	25.69	
189.9	191.1	33.04	8.23	25.70	
199.8	201.0	33.04	8.23	25.70	2.13
219.6	221.0	33.04	8.24	25.70	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 13 ALBERNI PROGRAM
 LAT N 48 57.72
 DATE 12/ 8/80
 TIME (PST) 1824

TAPE: U01166 -231
 LONG W 125 4.48
 PASS NO. 17
 STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
5.0	5.1	31.69	12.02	24.01
10.0	10.0	31.88	11.05	24.34
14.9	15.0	31.96	10.65	24.47
19.9	20.0	32.07	10.11	24.65
24.9	25.0	32.14	9.84	24.74
29.9	30.0	32.22	9.51	24.86
34.9	35.1	32.30	9.31	24.96
39.8	40.0	32.37	9.16	25.03
44.9	45.1	32.52	8.92	25.19
49.8	50.0	32.62	8.74	25.30
59.7	60.0	32.76	8.53	25.44
69.7	70.1	32.90	8.35	25.57
79.6	80.1	33.00	8.28	25.66
89.5	90.0	33.04	8.23	25.70
100.4	101.0	33.04	8.23	25.71
110.3	110.9	33.05	8.22	25.71
120.2	120.9	33.06	8.22	25.72
130.2	131.0	33.06	8.21	25.73
140.1	140.9	33.07	8.20	25.73
148.2	149.1	33.09	8.19	25.75

CRUISE NO: 13 ALBERNI PROGRAM
 LAT N 48 58.20
 DATE 12/ 8/80
 TIME (PST) 1855

TAPE: U01166 -232
 LONG W 125 7.80
 PASS NO. 19
 STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.0	2.0	29.19	17.40	20.97	
5.0	5.0	29.36	16.95	21.20	
10.0	10.0	31.78	11.62	24.16	
15.0	15.1	31.96	10.73	24.46	
20.0	20.0	32.01	10.47	24.54	
24.9	25.0	32.05	10.27	24.61	
29.8	30.0	32.13	9.80	24.75	
34.9	35.1	32.16	9.57	24.81	
39.8	40.0	32.32	9.26	24.98	
44.8	45.0	32.41	9.16	25.06	
49.7	50.0	32.54	8.92	25.21	2.70
59.8	60.1	32.75	8.57	25.43	
69.6	70.0	32.92	8.35	25.59	
74.6	75.0	32.98	8.30	25.64	2.24
79.6	80.0	33.00	8.28	25.66	
86.4	86.9	33.08	8.19	25.74	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 13 ALBERNI PROGRAM

LAT N 48 54.15

DATE 12/ 8/80

TIME (PST) 1943

TAPE: U01166 -233

LONG W 125 12.95

PASS NO. 21

STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.0	2.0	31.13	13.18	23.36
5.0	5.0	31.19	13.12	23.42
10.0	10.0	31.57	11.99	23.93
15.0	15.1	31.84	10.94	24.33
19.8	19.9	31.96	10.57	24.49
24.8	24.9	32.02	10.38	24.57
29.8	30.0	32.13	9.93	24.72
34.8	35.0	32.19	9.69	24.81
39.8	40.0	32.24	9.49	24.88
44.9	45.1	32.34	9.31	24.99
49.7	50.0	32.40	9.17	25.06
59.7	60.0	32.59	8.82	25.26
69.6	70.0	32.86	8.43	25.53
79.5	80.0	33.05	8.22	25.71
90.2	90.7	33.13	8.08	25.79
90.2	90.7	33.13	8.08	25.79

CRUISE NO: 13 ALBERNI PROGRAM

LAT N 48 50.05

DATE 12/ 8/80

TIME (PST) 2015

TAPE: U01166 -234

LONG W 125 15.80

PASS NO. 23

STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.3	2.3	31.31	13.43	23.45	
5.0	5.0	31.46	12.37	23.78	
10.0	10.0	31.60	11.28	24.09	
15.0	15.1	31.63	11.25	24.11	
20.0	20.0	31.79	10.84	24.31	
24.8	25.0	31.93	10.45	24.49	
30.0	30.1	32.08	10.05	24.67	
34.7	34.9	32.11	9.98	24.70	
39.7	39.9	32.23	9.53	24.87	
44.8	45.0	32.34	9.36	24.98	
49.7	50.0	32.43	9.15	25.09	3.35
59.6	60.0	32.57	8.87	25.24	
69.6	70.0	32.94	8.35	25.61	
74.6	75.0	32.99	8.29	25.65	2.25
79.6	80.0	33.01	8.26	25.68	
89.5	90.0	33.11	8.09	25.78	
89.5	90.0	33.11	8.09	25.78	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 13 ALBERNI PROGRAM

LAT N 48 48.20

DATE 12/ 8/80

TIME (PST) 2051

TAPE: U01166 -235

LONG W 125 14.40

PASS NO. 25

STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
4.9	4.9	31.50	11.88	23.90
10.0	10.1	31.56	11.43	24.03
15.0	15.1	31.72	10.78	24.26
19.9	20.0	31.91	10.38	24.48
24.9	25.0	32.04	10.04	24.64
29.9	30.0	32.17	9.62	24.81
34.9	35.1	32.24	9.48	24.89
37.5	37.7	32.41	9.20	25.06

CRUISE NO: 13 ALBERNI PROGRAM

LAT N 48 51.50

DATE 12/ 8/80

TIME (PST) 2133

TAPE: U01166 -236

LONG W 125 8.10

PASS NO. 27

STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.0	2.0	29.84	14.59	22.09	
5.1	5.1	31.56	11.76	23.97	
9.9	10.0	31.67	11.32	24.13	
14.9	15.0	31.86	10.78	24.37	
19.9	20.0	31.90	10.62	24.43	
24.9	25.0	31.99	10.35	24.54	
29.9	30.0	32.17	9.65	24.80	
34.9	35.0	32.33	9.23	24.99	
39.8	40.0	32.37	9.15	25.04	
44.7	45.0	32.44	9.00	25.12	
49.7	50.0	32.60	8.78	25.27	2.23
59.7	60.0	32.76	8.53	25.44	
69.6	70.0	32.80	8.47	25.48	
74.5	74.9	32.81	8.46	25.49	1.91
79.6	80.0	32.82	8.45	25.50	
89.6	90.1	32.84	8.43	25.51	
100.5	101.0	32.85	8.43	25.52	1.95
110.4	111.0	32.88	8.40	25.55	
120.3	121.0	32.89	8.39	25.56	
125.3	126.1	32.90	8.38	25.57	2.09
130.3	131.0	32.90	8.38	25.57	
136.2	137.0	32.91	8.37	25.58	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 13 ALBERNI PROGRAM
 LAT N 48 53.78
 DATE 12/ 8/80
 TIME (PST) 2219

TAPE: U01166 -237
 LONG W 125 3.05
 PASS NO. 29
 STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
5.0	5.0	29.00	15.98	21.14
10.0	10.1	31.67	11.43	24.11
15.0	15.0	31.83	10.94	24.32
19.9	19.9	31.91	10.68	24.43
24.9	25.0	32.01	10.25	24.58
29.8	30.0	32.10	9.90	24.70
34.9	35.0	32.15	9.67	24.79
39.9	40.0	32.31	9.28	24.97
44.7	44.9	32.38	9.14	25.05
49.7	49.9	32.51	8.90	25.19
59.8	60.1	32.66	8.66	25.34
69.7	70.1	32.81	8.45	25.49
79.5	80.0	32.84	8.42	25.52
89.5	90.0	32.84	8.42	25.52
100.5	101.1	32.86	8.41	25.54
110.4	111.0	32.88	8.38	25.56
120.4	121.1	32.88	8.38	25.56
130.2	131.0	32.90	8.37	25.57
140.2	141.0	32.93	8.35	25.60
150.1	151.0	32.94	8.33	25.61
160.0	160.9	32.95	8.33	25.61

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 14 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 19/ 9/80
 TIME (PST) 1853

TAPE: U01166 -238
 LONG W 125 1.30
 PASS NO. 1
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T
5.1	5.1	28.77	14.08	21.37
10.0	10.0	30.80	11.77	23.37
15.1	15.1	31.86	10.67	24.39
20.0	20.1	31.93	10.46	24.48
24.9	25.0	32.04	10.17	24.62
30.0	30.1	32.14	9.89	24.74
34.9	35.1	32.17	9.80	24.78
39.8	40.0	32.24	9.63	24.86
44.7	44.9	32.30	9.46	24.94
49.8	50.0	32.38	9.30	25.02
59.6	59.9	32.68	8.74	25.35
69.8	70.1	32.81	8.48	25.49
80.5	80.9	32.88	8.40	25.55
90.5	91.0	32.92	8.36	25.59
100.4	101.0	32.97	8.30	25.64
110.4	111.0	32.98	8.28	25.65
120.3	121.0	33.00	8.26	25.66
130.2	130.9	33.01	8.26	25.67
140.2	141.0	33.01	8.25	25.68
149.9	150.8	33.03	8.24	25.69
160.1	161.0	33.04	8.24	25.70
170.0	171.0	33.04	8.23	25.71
179.8	180.9	33.04	8.23	25.71
189.9	191.0	33.05	8.23	25.71
199.8	201.0	33.05	8.23	25.71
207.7	209.0	33.05	8.23	25.71

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 14 ALBERNI PROGRAM

LAT N 48 53.78

DATE 19/ 9/80

TIME (PST) 1937

TAPE: UD1166 -239

LONG W 125 3.05

PASS NO. 3

STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.2	2.2	30.15	12.54	22.73
4.9	4.9	30.32	12.43	22.88
10.0	10.1	31.22	11.62	23.73
15.0	15.0	31.96	10.44	24.51
19.9	20.0	32.01	10.29	24.57
24.9	25.0	32.05	10.15	24.63
29.8	29.9	32.10	9.97	24.70
34.9	35.0	32.16	9.81	24.77
39.8	40.0	32.23	9.62	24.86
44.8	45.0	32.30	9.47	24.93
49.7	49.9	32.40	9.24	25.05
59.6	59.9	32.69	8.71	25.36
69.6	70.0	32.82	8.50	25.49
79.6	80.0	32.90	8.38	25.57
89.6	90.1	32.91	8.37	25.58
100.4	101.0	32.96	8.31	25.63
110.3	111.0	32.97	8.29	25.64
120.3	121.0	32.99	8.27	25.66
130.2	131.0	33.00	8.26	25.67
140.2	141.0	33.01	8.25	25.68
150.1	151.0	33.02	8.24	25.68
160.1	161.1	33.02	8.24	25.69
164.9	165.9	33.02	8.24	25.69

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 14 ALBERNI PROGRAM
 LAT N 48 51.50
 DATE 19/ 9/80
 TIME (PST) 2028

TAPE: U01166 -240
 LONG W 125 8.10
 PASS NO. 5
 STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
5.3	5.3	31.51	11.24	24.02	
10.0	10.1	31.52	11.22	24.03	
14.9	15.0	31.78	10.75	24.32	
20.0	20.1	31.87	10.56	24.42	
24.9	25.0	32.03	10.15	24.61	
29.9	30.0	32.08	10.03	24.67	
34.9	35.1	32.15	9.89	24.75	
39.9	40.1	32.19	9.78	24.80	
44.8	45.0	32.25	9.63	24.87	
49.7	50.0	32.33	9.38	24.97	2.79
59.7	60.0	32.52	8.99	25.18	
69.7	70.1	32.69	8.73	25.35	
74.6	75.0	32.79	8.55	25.46	1.56
79.5	80.0	32.82	8.50	25.49	
89.6	90.1	32.90	8.39	25.57	
100.4	101.0	32.94	8.33	25.61	1.14
110.6	111.2	32.96	8.31	25.63	
120.4	121.1	32.98	8.29	25.65	
125.5	126.2	32.98	8.28	25.65	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 14 ALBERNI PROGRAM

LAT N 48 48.20

DATE 19/ 9/80

TIME (PST) 2125

TAPE: U01166 -241

LONG W 125 14.40

PASS NO. 7

STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.9	3.0	31.73	10.62	24.30
5.0	5.0	31.73	10.64	24.29
9.9	9.9	31.82	10.45	24.40
14.8	14.9	31.87	10.39	24.44
19.9	20.0	31.90	10.31	24.48
24.8	25.0	31.91	10.22	24.51
29.9	30.0	31.96	9.99	24.59
34.8	35.0	32.06	9.92	24.68
38.5	38.7	32.09	9.90	24.70

CRUISE NO: 14 ALBERNI PROGRAM

LAT N 48 50.05

DATE 19/ 9/80

TIME (PST) 2148

TAPE: U01166 -242

LONG W 125 15.80

PASS NO. 9

STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.2	2.2	31.18	12.14	23.60	
4.9	4.9	31.18	12.14	23.60	
9.9	10.0	31.68	11.22	24.16	
15.0	15.1	31.96	10.43	24.51	
19.9	20.0	32.00	10.06	24.61	
24.7	24.8	32.09	9.87	24.71	
29.8	29.9	32.20	9.65	24.83	
34.9	35.1	32.20	9.64	24.83	
39.9	40.1	32.27	9.51	24.91	
44.8	45.0	32.30	9.42	24.94	
49.7	50.0	32.35	9.38	24.99	3.20
59.7	60.0	32.55	8.98	25.21	
69.6	69.9	32.78	8.60	25.44	
74.6	75.0	32.91	8.42	25.57	1.82
80.5	80.9	32.98	8.34	25.64	
89.4	90.0	33.07	8.24	25.72	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 14 ALBERNI PROGRAM

LAT N 48 54.15

DATE 19/ 9/80

TIME (PST) 2033

TAPE: U01166 -243

LONG W 125 12.95

PASS NO. 11

STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
4.9	4.9	31.18	11.93	23.64
10.1	10.1	31.18	11.92	23.64
14.8	14.8	31.82	10.70	24.36
19.9	20.0	31.97	10.34	24.54
24.5	24.6	32.01	10.15	24.60
29.8	29.9	32.08	10.01	24.68
34.9	35.0	32.16	9.79	24.78
39.7	39.9	32.28	9.60	24.90
44.8	45.0	32.36	9.45	24.99
49.8	50.0	32.40	9.37	25.03
59.7	60.0	32.52	9.13	25.15
69.7	70.1	32.72	8.70	25.38
79.5	80.0	32.92	8.41	25.58
89.7	90.2	33.04	8.25	25.70
93.4	93.9	33.06	8.24	25.72

CRUISE NO: 14 ALBERNI PROGRAM

LAT N 48 58.20

DATE 19/ 9/80

TIME (PST) 2321

TAPE: U01166 -244

LONG W 125 7.80

PASS NO. 13

STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.0	2.0	30.20	13.06	22.67	
4.8	4.8	30.75	12.53	23.19	
9.9	9.9	30.86	12.33	23.32	
14.9	15.0	31.01	12.08	23.48	
20.0	20.1	31.86	10.53	24.41	
25.0	25.1	31.95	10.29	24.53	
29.8	29.9	32.02	10.14	24.60	
34.8	34.9	32.07	10.02	24.66	
39.8	40.0	32.16	9.76	24.78	
44.9	45.1	32.26	9.53	24.89	
49.6	49.8	32.30	9.44	24.94	3.40
59.7	60.0	32.50	9.08	25.15	
69.7	70.0	32.76	8.63	25.42	
74.6	75.0	32.88	8.43	25.55	1.81
79.5	80.0	32.91	8.39	25.57	
88.2	88.7	32.96	8.32	25.62	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 14 ALBERNI PROGRAM
 LAT N 48 57.72
 DATE 19/ 9/80
 TIME (PST) 2359

TAPE: U01166 -245
 LONG W 125 4.48
 PASS NO. 15
 STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.7	1.7	29.82	13.42	22.31
4.9	4.9	29.82	13.42	22.31
10.0	10.0	30.57	12.65	23.03
14.9	15.0	31.75	10.81	24.28
20.0	20.0	31.89	10.51	24.44
24.9	25.0	31.93	10.40	24.50
29.9	30.0	32.01	10.18	24.59
34.9	35.0	32.13	9.89	24.73
39.8	40.0	32.22	9.66	24.84
44.8	45.0	32.28	9.52	24.91
49.7	50.0	32.31	9.45	24.94
59.8	60.1	32.45	9.16	25.10
69.7	70.1	32.74	8.63	25.40
79.5	79.9	32.82	8.49	25.49
89.5	90.0	32.89	8.38	25.57
100.5	101.0	32.92	8.35	25.59
110.3	110.9	32.93	8.34	25.60
120.4	121.1	32.94	8.33	25.61
124.0	124.7	32.94	8.33	25.61

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 14 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 20/ 9/80
 TIME (PST) 0034

TAPE: U01166 -246
 LONG W 125 1.30
 PASS NO. 17
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.2	.2	29.90	12.64	22.52	
2.6	2.6	30.27	12.66	22.80	
4.9	4.9	30.33	12.51	22.88	
10.0	10.1	31.84	10.72	24.36	
15.0	15.0	31.92	10.50	24.47	
20.0	20.1	31.97	10.35	24.53	
24.9	25.0	32.03	10.18	24.61	4.02
29.9	30.0	32.10	10.00	24.69	
34.8	35.0	32.15	9.86	24.75	
39.7	39.9	32.21	9.67	24.83	
44.8	45.0	32.28	9.50	24.91	
49.8	50.0	32.31	9.42	24.95	3.05
59.8	60.1	32.49	9.06	25.15	
69.6	70.0	32.78	8.53	25.46	
74.5	74.9	32.84	8.44	25.51	2.15
79.7	80.1	32.89	8.38	25.56	
89.5	90.0	32.92	8.34	25.60	
100.4	101.0	32.95	8.31	25.62	2.02
110.3	111.0	32.97	8.29	25.64	
120.4	121.1	32.98	8.27	25.65	
125.4	126.1	33.00	8.26	25.66	1.92
130.1	130.9	32.99	8.26	25.66	
140.1	140.9	33.00	8.26	25.67	
150.0	150.9	33.02	8.24	25.69	
160.0	161.0	33.03	8.24	25.70	
170.0	171.1	33.04	8.23	25.70	
175.0	176.1	33.04	8.23	25.70	1.60
179.9	181.0	33.04	8.23	25.71	
189.7	190.9	33.05	8.23	25.71	
199.7	201.0	33.05	8.23	25.71	
224.6	226.0	33.05	8.23	25.71	
243.3	244.9	33.05	8.23	25.71	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 14 ALBERNI PROGRAM

LAT N 48 58.78

DATE 20/ 9/80

TIME (PST) 0132

TAPE: U01166 -247

LONG W 124 57.80

PASS NO. 19

STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.7	1.7	28.86	13.43	21.56
4.9	4.9	29.03	13.32	21.72
10.0	10.0	29.58	12.95	22.21
15.0	15.0	31.89	10.63	24.42
20.0	20.1	31.97	10.39	24.52
24.8	24.9	32.07	10.08	24.66
29.8	30.0	32.12	9.91	24.72
34.9	35.1	32.17	9.74	24.79
39.9	40.0	32.23	9.58	24.86
45.0	45.2	32.30	9.40	24.94
49.8	50.0	32.38	9.25	25.03
59.8	60.0	32.59	8.86	25.26
69.7	70.1	32.81	8.48	25.48
79.6	80.0	32.86	8.40	25.54
90.4	90.9	32.89	8.37	25.56
100.4	101.0	32.95	8.31	25.62
110.5	111.1	32.98	8.28	25.65
120.3	121.0	32.99	8.26	25.66
130.2	131.0	33.01	8.25	25.67
140.2	141.0	33.01	8.25	25.68
150.1	151.0	33.02	8.24	25.68
160.1	161.1	33.02	8.24	25.69
164.1	165.0	33.02	8.24	25.69

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 14 ALBERNI PROGRAM
 LAT N 48 59.58
 DATE 20/ 9/80
 TIME (PST) 0212

TAPE: UD1166 -248
 LONG W 124 53.38
 PASS NO. 21
 STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.0	2.0	28.60	13.46	21.35	
4.9	4.9	28.74	13.31	21.49	
10.0	10.0	31.66	10.91	24.20	
15.0	15.0	31.92	10.57	24.45	
19.9	20.0	31.97	10.40	24.52	
25.0	25.1	32.04	10.17	24.62	
29.9	30.0	32.08	9.97	24.68	
34.9	35.1	32.16	9.82	24.76	
39.8	40.0	32.20	9.65	24.83	
44.8	45.0	32.24	9.44	24.89	
49.8	50.0	32.33	9.25	25.00	2.73
59.7	60.0	32.47	9.07	25.13	
69.7	70.0	32.79	8.49	25.46	
74.7	75.1	32.81	8.44	25.49	2.42
79.6	80.0	32.83	8.41	25.52	
89.6	90.1	32.88	8.37	25.56	
99.6	100.1	32.93	8.32	25.61	2.10
110.3	110.9	32.95	8.31	25.62	
120.2	120.9	32.98	8.28	25.65	
125.3	126.0	33.00	8.26	25.66	2.00
130.1	130.9	33.00	8.25	25.67	
140.2	141.1	33.01	8.25	25.67	
150.1	151.0	33.02	8.24	25.68	1.85
160.0	161.0	33.02	8.24	25.69	
170.0	171.0	33.02	8.23	25.69	
180.0	181.1	33.02	8.23	25.69	
189.9	191.0	33.02	8.23	25.69	
199.8	201.0	33.02	8.23	25.69	1.86
224.5	225.9	33.03	8.23	25.69	
250.4	252.0	33.03	8.23	25.69	1.75
275.1	276.9	33.03	8.24	25.69	
300.0	302.0	33.03	8.24	25.69	1.76
317.7	319.8	33.03	8.24	25.69	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 14 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 20/ 9/80
 TIME (PST) 0325

TAPE: U01166 -249
 LONG W 124 51.11
 PASS NO. 23
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.9	1.9	28.13	13.03	21.08
5.0	5.0	28.26	13.02	21.18
10.0	10.0	28.91	12.18	21.83
14.9	15.0	30.12	11.49	22.90
19.9	20.0	31.84	10.43	24.41
24.9	25.0	31.96	10.27	24.54
29.8	30.0	32.02	9.98	24.63
35.0	35.1	32.11	9.69	24.75
39.8	40.0	32.17	9.53	24.82
44.8	45.0	32.25	9.42	24.90
49.7	50.0	32.31	9.28	24.97
59.8	60.1	32.50	8.94	25.17
69.7	70.0	32.75	8.52	25.43
79.5	79.9	32.84	8.38	25.52
90.5	91.0	32.90	8.35	25.57
99.5	100.0	32.94	8.32	25.61
110.4	111.0	32.96	8.29	25.63
120.3	121.0	32.99	8.27	25.66
130.3	131.0	32.99	8.26	25.66
140.2	141.0	33.01	8.25	25.67
150.1	151.0	33.01	8.24	25.67
159.9	160.8	33.01	8.24	25.68
170.1	171.1	33.02	8.23	25.68
179.9	181.0	33.02	8.23	25.69
189.9	191.0	33.02	8.23	25.69
199.8	201.0	33.02	8.23	25.69
224.6	226.0	33.03	8.23	25.69
250.4	252.0	33.03	8.23	25.69
271.3	273.0	33.03	8.23	25.69

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 14 ALBERNI PROGRAM
LAT N 49 5.50
DATE 20/ 9/80
TIME (PST) 0412

TAPE: U01166 -250
LONG W 124 49.50
PASS NO. 25
STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.9	1.9	25.61	12.99	19.13
5.0	5.0	25.59	13.00	19.12
10.0	10.0	28.50	12.28	21.50
15.0	15.0	30.99	10.70	23.71
19.9	20.0	31.76	10.20	24.39
25.0	25.0	31.91	10.02	24.54
29.9	30.0	32.11	9.75	24.74
34.9	35.0	32.21	9.55	24.85
39.8	40.0	32.26	9.44	24.91
44.8	45.0	32.29	9.37	24.94
49.7	49.9	32.31	9.34	24.96
59.7	60.0	32.41	9.14	25.07
69.7	70.0	32.55	8.89	25.22
79.6	80.0	32.63	8.75	25.30
89.6	90.1	32.65	8.71	25.32
99.5	100.0	32.66	8.71	25.33

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 14 ALBERNI PROGRAM

LAT N 49 7.15

DATE 20/ 9/80

TIME (PST) 0443

TAPE: U01166 -251

LONG W 124 48.80

PASS NO. 27

STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
5.0	4.9	24.27	13.52	18.01	
10.0	10.0	27.87	12.48	20.98	
15.0	15.0	31.47	10.40	24.13	
20.0	20.0	31.82	10.22	24.44	
25.0	25.0	31.92	10.06	24.54	
29.9	30.0	32.02	9.88	24.65	
34.8	34.9	32.09	9.73	24.72	
39.9	40.0	32.16	9.62	24.80	
44.9	45.0	32.21	9.54	24.85	
49.8	50.0	32.21	9.53	24.86	2.68
59.7	59.9	32.26	9.41	24.91	
69.7	70.0	32.29	9.32	24.95	
74.6	74.9	32.30	9.27	24.97	2.21
79.6	80.0	32.31	9.24	24.98	
89.5	90.0	32.33	9.22	25.00	
100.5	101.0	32.34	9.20	25.01	2.16
110.4	111.0	32.34	9.19	25.01	
120.3	120.9	32.34	9.19	25.01	
125.3	126.0	32.35	9.18	25.01	2.32
126.3	127.0	32.35	9.18	25.02	

CRUISE NO: 14 ALBERNI PROGRAM

LAT N 49 9.91

DATE 20/ 9/80

TIME (PST) 0530

TAPE: U01166 -252

LONG W 124 48.62

PASS NO. 29

STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.6	2.6	20.52	14.19	15.00	
5.0	5.0	21.17	14.12	15.51	
10.1	10.0	26.56	12.44	19.97	
15.1	15.0	31.57	10.11	24.26	
19.9	19.9	31.79	10.00	24.45	
24.9	25.0	31.91	9.80	24.57	
29.8	29.9	31.99	9.75	24.64	
34.9	35.0	32.08	9.54	24.75	
39.9	40.0	32.13	9.42	24.81	
44.9	45.0	32.18	9.37	24.85	
49.7	49.9	32.22	9.33	24.89	1.52
59.8	60.0	32.27	9.26	24.94	
69.7	70.0	32.29	9.24	24.96	
74.8	75.1	32.30	9.22	24.98	1.51
79.6	79.9	32.32	9.21	24.99	
89.7	90.1	32.33	9.19	25.00	
99.6	100.0	32.34	9.18	25.01	1.92
101.5	102.0	32.34	9.17	25.01	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 14 ALBERNI PROGRAM

LAT N 49 12.16

DATE 20/ 9/80

TIME (PST) 0500

TAPE: U01166 -253

LONG W 124 49.02

PASS NO. 31

STN: AD

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.7	2.7	13.33	15.01	9.34
5.1	5.1	19.42	14.12	14.16
9.9	9.9	29.83	11.16	22.73
15.0	15.0	31.71	9.96	24.39
20.1	20.1	31.83	9.79	24.51
24.9	25.0	31.91	9.66	24.60
29.9	29.9	32.02	9.54	24.70
34.9	35.0	32.08	9.48	24.76
40.0	40.1	32.17	9.37	24.85
43.9	44.0	32.20	9.35	24.87

CRUISE NO: 15 ALBERNI PROGRAM

LAT N 49 12.16

DATE 23/10/80

TIME (PST) 1412

TAPE: U01166 -254

LONG W 124 49.02

PASS NO. 1

STN: AD

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.8	2.8	28.32	11.27	21.54
5.1	5.1	31.13	10.65	23.82
10.0	10.0	31.50	10.45	24.15
15.0	15.0	31.65	10.30	24.29
19.8	19.9	31.70	10.18	24.35
24.9	25.0	31.80	9.97	24.46
29.9	30.1	31.85	9.88	24.52
34.9	35.1	31.91	9.79	24.58
39.8	40.0	32.02	9.64	24.69

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 15 ALBERNI PROGRAM

LAT N 49 9.91

DATE 23/10/80

TIME (PST) 1438

TAPE: U01166 -255

LONG W 124 48.62

PASS NO. 3

STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.4	2.4	24.81	11.53	18.77
5.0	5.0	26.00	11.36	19.72
10.0	10.0	31.28	10.68	23.94
15.0	15.0	31.56	10.55	24.18
19.9	20.0	31.66	10.39	24.29
25.0	25.1	31.72	10.32	24.34
29.9	30.0	31.77	10.20	24.40
35.0	35.2	31.80	10.16	24.43
39.8	40.0	31.86	10.06	24.49
44.8	45.0	31.96	9.84	24.61
49.8	50.0	32.04	9.69	24.69
59.7	60.0	32.13	9.50	24.79
69.7	70.0	32.19	9.40	24.86
79.6	80.0	32.22	9.37	24.89
89.6	90.1	32.27	9.30	24.93
99.5	100.0	32.28	9.27	24.95
103.5	104.0	32.29	9.27	24.96

CRUISE NO: 15 ALBERNI PROGRAM

LAT N 49 7.15

DATE 23/10/80

TIME (PST) 1505

TAPE: U01166 -256

LONG W 124 48.80

PASS NO. 5

STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.3	2.3	20.28	11.26	15.31	
5.0	5.0	25.66	11.18	19.49	
10.0	10.0	31.51	10.58	24.13	
15.0	15.0	31.77	10.29	24.39	
20.0	20.1	31.84	10.20	24.46	
24.8	24.9	31.85	10.18	24.47	3.16
29.9	30.0	31.86	10.15	24.48	
34.9	35.0	31.90	10.07	24.53	
39.9	40.0	32.07	9.70	24.71	
44.9	45.0	32.11	9.62	24.76	
49.8	50.0	32.12	9.59	24.78	1.80
59.7	60.0	32.15	9.49	24.81	
69.6	70.0	32.25	9.36	24.91	
74.6	74.9	32.26	9.33	24.92	1.97
79.6	80.0	32.27	9.30	24.94	
89.6	90.0	32.28	9.28	24.95	
100.4	100.9	32.29	9.26	24.96	1.62
110.4	110.9	32.30	9.25	24.97	
120.3	120.9	32.30	9.24	24.97	
125.0	125.7	32.31	9.23	24.97	1.45
125.0	125.7	32.31	9.23	24.97	

COASTAL ZONE OCEANOGRAPHY
CRUISE NO: 15 ALBERNI PROGRAM
LAT N 49 5.50
DATE 23/10/80
TIME (PST) 1600

TAPE: U01166 -257
LONG W 124 49.50
PASS NO. 7
STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.8	2.8	27.86	11.06	21.22
4.9	5.0	29.60	10.99	22.58
9.9	10.0	31.14	11.10	23.75
15.0	15.0	31.58	10.83	24.14
20.0	20.0	31.79	10.42	24.38
24.9	25.0	31.88	10.18	24.49
29.8	30.0	31.95	10.03	24.57
34.8	35.0	31.96	9.99	24.59
39.8	40.0	32.01	9.89	24.64
44.8	45.0	32.08	9.74	24.72
49.7	49.9	32.10	9.69	24.74
59.7	60.0	32.28	9.36	24.93
69.6	70.0	32.38	9.20	25.04
79.6	80.0	32.46	9.06	25.12
89.5	90.0	32.56	8.90	25.22
99.5	100.0	32.59	8.83	25.26

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 15 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 23/10/80
 TIME (PST) 1624

TAPE: U01166 -258
 LONG W 124 51.11
 PASS NO. 9
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.2	2.2	26.66	11.20	20.26
5.0	5.0	30.80	11.21	23.47
9.9	10.0	31.53	10.94	24.09
15.0	15.1	31.64	10.74	24.21
19.9	20.0	31.75	10.61	24.32
24.9	25.0	31.82	10.61	24.37
29.8	30.0	31.89	10.47	24.45
34.8	35.0	31.91	10.33	24.49
39.8	40.0	31.95	10.11	24.55
44.8	45.0	32.03	9.89	24.65
49.8	50.0	32.10	9.73	24.74
59.7	60.0	32.23	9.48	24.88
69.6	70.0	32.44	9.14	25.09
79.7	80.1	32.66	8.75	25.32
89.6	90.1	32.78	8.52	25.46
100.5	101.0	32.87	8.38	25.54
110.4	111.0	32.90	8.34	25.58
120.3	121.0	32.93	8.32	25.61
130.3	131.1	32.94	8.30	25.62
140.2	141.0	32.96	8.29	25.63
150.1	151.0	32.97	8.28	25.64
160.1	161.0	32.98	8.27	25.65
170.0	171.0	32.99	8.25	25.66
179.9	181.0	33.00	8.24	25.67
189.9	191.0	33.01	8.24	25.67
199.8	201.0	33.01	8.24	25.67
204.3	205.6	33.01	8.24	25.68

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 15 ALBERNI PROGRAM

LAT N 48 59.58

DATE 23/10/80

TIME (PST) 1713

TAPE: U01166 -259

LONG W 124 53.38

PASS NO. 11

STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
4.9	4.9	26.10	11.27	19.82	
10.0	10.0	31.70	11.17	24.18	
15.0	15.1	31.77	11.02	24.26	
20.0	20.0	31.87	10.79	24.38	
25.0	25.1	31.90	10.62	24.43	
29.8	29.9	31.93	10.40	24.50	
34.9	35.0	31.97	10.23	24.55	
39.8	40.0	32.01	10.12	24.60	
44.8	45.0	32.10	9.87	24.71	
49.8	50.0	32.17	9.72	24.79	2.94
59.7	60.0	32.52	9.09	25.16	
69.6	69.9	32.76	8.65	25.42	
74.7	75.1	32.80	8.57	25.47	2.00
79.5	79.9	32.83	8.53	25.49	
90.5	91.0	32.84	8.50	25.51	
100.5	101.0	32.91	8.40	25.58	1.79
110.4	111.0	32.94	8.35	25.60	
120.4	121.1	32.97	8.30	25.64	
125.3	126.0	32.97	8.30	25.64	1.76
130.2	131.0	32.97	8.29	25.64	
140.2	141.0	32.98	8.29	25.65	
150.1	150.9	33.00	8.26	25.66	1.64
160.0	160.9	33.00	8.25	25.67	
170.0	171.0	33.01	8.24	25.68	
180.0	181.1	33.01	8.24	25.68	
189.8	190.9	33.01	8.23	25.68	
199.9	201.1	33.01	8.24	25.68	1.69
224.7	226.1	33.01	8.23	25.68	
249.9	251.5	33.02	8.24	25.69	1.69
275.2	277.0	33.02	8.23	25.68	
300.1	302.0	33.02	8.24	25.69	1.69
303.0	304.9	33.02	8.24	25.69	

CRUISE NO: 15 ALBERNI PROGRAM

LAT N 48 57.02

DATE 23/10/80

TIME (PST) 1739

TAPE: U01166 -260

LONG W 125 1.30

PASS NO. 13

STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.4	2.4	29.19	11.18	22.23	
4.9	4.9	29.38	11.19	22.38	
9.9	9.9	31.37	11.39	23.89	
13.7	13.8	31.80	11.09	24.27	
20.0	20.1	31.87	10.89	24.36	
23.7	23.8	31.90	10.77	24.41	3.43
23.7	23.8	31.90	10.77	24.41	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 15 ALBERNI PROGRAM

LAT N 48 58.20

DATE 23/10/80

TIME (PST) 1843

TAPE: U01166 -261

LONG W 125 7.80

PASS NO. 15

STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.4	2.4	30.05	11.81	22.78	
5.0	5.0	30.36	11.79	23.03	
9.9	10.0	30.92	11.65	23.49	
14.8	14.9	31.70	11.33	24.15	
19.9	20.0	31.83	10.96	24.32	
24.9	25.0	31.91	10.62	24.44	
29.9	30.1	31.97	10.64	24.48	
34.9	35.1	32.00	10.54	24.52	
39.8	40.0	32.06	10.39	24.60	
44.7	45.0	32.15	10.13	24.71	
49.9	50.1	32.19	10.04	24.75	3.52
59.8	60.1	32.36	9.73	24.94	
69.6	69.9	32.74	8.94	25.36	
74.6	75.0	32.79	8.77	25.43	1.91
79.6	80.0	32.86	8.66	25.50	
84.6	85.0	32.90	8.60	25.54	1.71
90.4	90.9	32.93	8.53	25.57	
95.5	96.0	32.99	8.50	25.62	

CRUISE NO: 15 ALBERNI PROGRAM

LAT N 48 50.05

DATE 23/10/80

TIME (PST) 1956

TAPE: U01166 -262

LONG W 125 15.80

PASS NO. 17

STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.6	2.6	31.46	11.45	23.94	
4.9	4.9	31.46	11.45	23.94	
9.9	9.9	31.54	11.64	23.97	
14.8	14.9	31.77	12.01	24.08	
19.9	19.9	31.76	11.54	24.16	
24.9	25.1	31.80	11.46	24.21	
29.8	30.0	31.82	11.23	24.26	
34.8	35.0	31.89	11.06	24.35	
39.8	40.0	31.93	10.79	24.43	
44.8	45.0	31.93	10.68	24.45	
49.8	50.1	32.04	10.32	24.59	4.54
59.7	60.0	32.14	10.33	24.67	
69.7	70.0	32.68	9.23	25.27	
74.7	75.1	32.80	8.89	25.42	2.34
79.7	80.1	32.87	8.72	25.50	
89.7	90.1	32.98	8.58	25.61	2.64
89.7	90.1	32.98	8.58	25.61	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 15 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 22/10/80
 TIME (PST) 0917

TAPE: UD1166 -263
 LONG W 125 1.30
 PASS NO. 1
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.9	2.9	29.06	11.62	22.05
5.0	5.0	29.35	11.68	22.27
10.0	10.1	31.37	12.03	23.77
15.0	15.0	31.59	11.82	23.98
19.9	20.0	31.77	11.43	24.19
24.9	25.0	31.80	11.31	24.23
29.8	30.0	31.86	11.01	24.33
34.9	35.0	31.97	10.60	24.49
39.8	40.0	32.06	10.34	24.60
44.8	45.0	32.17	10.01	24.74
49.8	50.0	32.18	9.93	24.77
59.7	60.0	32.29	9.88	24.86
69.7	70.1	32.42	9.45	25.03
79.6	80.0	32.87	8.61	25.51
89.5	90.0	32.92	8.49	25.57
100.4	101.0	32.93	8.45	25.59
110.3	110.9	32.93	8.44	25.59
120.3	121.0	32.94	8.41	25.60
130.3	131.1	32.97	8.34	25.63
140.2	141.0	33.00	8.29	25.66
150.0	150.9	33.00	8.28	25.66
160.1	161.0	33.00	8.28	25.67
169.9	170.9	33.01	8.27	25.67
179.9	181.0	33.00	8.27	25.67
189.9	191.0	33.01	8.26	25.67
199.8	201.0	33.01	8.26	25.68
224.6	226.0	33.01	8.26	25.68
235.4	236.9	33.02	8.26	25.68

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 16 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 24/11/80
 TIME (PST) 2228

TAPE: UD1166 -264
 LONG W 125 1.30
 PASS NO. 1
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.5	3.5	25.56	10.31	19.55
11.3	11.4	30.79	11.81	23.36
15.1	15.1	31.00	11.75	23.53
19.9	20.0	31.04	11.73	23.57
25.0	25.0	31.21	11.64	23.72
29.9	30.0	31.29	11.58	23.79
34.9	35.0	31.42	11.46	23.91
39.9	40.0	31.56	11.21	24.07
44.8	45.0	31.60	11.23	24.09
49.8	50.0	31.73	11.13	24.21
59.8	60.0	31.93	10.85	24.41
69.6	69.9	32.05	10.62	24.55
79.6	79.9	32.27	10.04	24.81
89.6	90.0	32.38	9.74	24.95
99.6	100.1	32.55	9.28	25.16
110.5	111.0	32.80	8.68	25.45
120.4	121.0	32.85	8.57	25.51
130.3	131.0	32.90	8.46	25.56
140.3	141.0	32.91	8.45	25.57
150.2	151.0	32.93	8.41	25.59
160.2	161.0	32.94	8.39	25.60
170.1	171.0	32.94	8.38	25.60
180.0	181.0	32.95	8.34	25.62
181.8	182.8	32.96	8.34	25.62

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 16 ALBERNI PROGRAM

LAT N 48 53.78

DATE 24/11/80

TIME (PST) 2301

TAPE: U01166 -265

LONG W 125 3.05

PASS NO. 3

STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.5	3.5	29.15	10.75	22.27
5.0	5.1	29.77	11.32	22.65
9.7	9.8	30.78	11.80	23.35
14.9	15.0	31.04	11.72	23.57
20.0	20.0	31.10	11.64	23.63
24.9	25.0	31.24	11.62	23.74
29.8	29.9	31.39	11.61	23.86
34.9	35.0	31.44	11.53	23.92
39.9	40.0	31.51	11.38	23.99
44.8	45.0	31.62	11.07	24.13
49.9	50.1	31.72	10.92	24.24
59.7	60.0	31.97	10.52	24.50
69.7	70.0	32.17	10.12	24.73
79.6	79.9	32.45	9.45	25.05
89.6	90.1	32.67	8.98	25.30
99.5	100.0	32.81	8.65	25.46
110.4	111.0	32.84	8.58	25.50
120.3	121.0	32.88	8.50	25.54
130.3	131.0	32.90	8.46	25.56
140.2	140.9	32.91	8.44	25.57
150.2	151.1	32.91	8.43	25.58
160.1	161.0	32.92	8.41	25.58
170.0	171.0	32.92	8.41	25.58
174.9	175.9	32.92	8.41	25.58

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 16 ALBERNI PROGRAM
 LAT N 48 51.50
 DATE 24/11/80
 TIME (PST) 2343

TAPE: U01166 -266
 LONG W 125 8.10
 PASS NO. 5
 STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.3	3.3	28.11	10.57	21.49	
5.5	5.5	28.13	10.59	21.50	
10.0	10.0	30.59	11.32	23.29	
14.9	15.0	30.86	11.30	23.50	
20.0	20.1	30.93	11.23	23.57	
24.9	25.0	31.15	11.31	23.73	
29.9	30.1	31.25	11.41	23.78	
34.8	35.0	31.47	11.52	23.94	
39.9	40.1	31.49	11.48	23.96	
44.8	45.0	31.60	11.36	24.07	
49.8	50.0	31.64	11.33	24.11	4.91
59.7	60.0	31.83	10.88	24.33	
69.7	70.0	31.95	10.63	24.47	
74.7	75.1	32.01	10.52	24.53	3.90
79.6	79.9	32.07	10.38	24.60	
89.6	90.0	32.18	10.12	24.73	
99.6	100.0	32.52	9.34	25.13	1.82
110.3	110.9	32.67	9.00	25.30	
120.1	120.7	32.72	8.87	25.36	1.32
126.0	126.6	32.76	8.77	25.40	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 16 ALBERNI PROGRAM

LAT N 48 48.20

DATE 25/11/80

TIME (PST) 0044

TAPE: U01166 -267

LONG W 125 14.40

PASS NO. 7

STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.5	3.5	29.97	10.41	22.96
5.1	5.1	29.97	10.41	22.96
10.1	10.1	29.98	10.42	22.97
14.8	14.9	30.13	10.46	23.08
19.9	19.9	30.29	10.59	23.18
24.8	24.9	30.63	10.83	23.41
29.9	30.0	30.75	10.73	23.51
34.9	35.0	30.89	10.79	23.62
39.9	40.0	30.90	10.80	23.62
45.0	45.2	30.90	10.80	23.62
49.7	49.9	30.90	10.79	23.62

CRUISE NO: 16 ALBERNI PROGRAM

LAT N 48 50.05

DATE 25/11/80

TIME (PST) 0106

TAPE: U01166 -268

LONG W 125 15.80

PASS NO. 8

STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.9	3.9	29.90	10.50	22.89	
5.6	5.6	29.90	10.50	22.89	
9.8	9.9	29.93	10.55	22.90	
14.9	15.0	30.05	10.46	23.01	
19.9	20.0	30.10	10.42	23.06	
25.1	25.2	30.15	10.42	23.10	
29.9	30.0	30.18	10.39	23.13	
34.8	34.9	30.24	10.39	23.18	
39.9	40.0	30.47	10.58	23.32	
44.8	45.0	30.88	11.03	23.57	
49.8	49.9	31.26	11.12	23.85	5.59
59.9	60.1	31.69	11.47	24.12	
70.0	70.3	32.01	11.60	24.34	
74.7	75.0	32.16	11.37	24.50	5.40
79.6	79.9	32.23	10.79	24.66	
90.1	90.5	32.27	10.20	24.79	3.66
99.3	99.7	32.38	9.86	24.93	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 16 ALBERNI PROGRAM
 LAT N 48 54.15
 DATE 25/11/80
 TIME (PST) 0144

TAPE: U01166 -269
 LONG W 125 12.95
 PASS NO. 11
 STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.2	3.2	26.46	9.88	20.31
4.9	4.9	26.48	9.88	20.33
9.9	9.9	29.00	10.74	22.15
15.0	15.1	29.33	10.57	22.44
19.9	19.9	29.79	10.85	22.75
24.9	24.9	30.65	11.26	23.35
29.9	30.0	30.89	11.67	23.46
35.0	35.1	31.10	11.91	23.58
39.9	40.1	31.26	11.53	23.78
44.9	45.1	31.55	11.57	23.99
49.8	50.0	31.71	11.41	24.14
59.7	59.9	31.98	11.37	24.36
69.8	70.0	32.05	10.76	24.52
79.8	80.1	32.16	10.34	24.68
89.6	90.0	32.35	9.82	24.92
99.4	99.9	32.58	9.26	25.18
105.4	105.8	32.61	9.13	25.23

CRUISE NO: 16 ALBERNI PROGRAM
 LAT N 48 58.20
 DATE 25/11/80
 TIME (PST) 0223

TAPE: U01166 -270
 LONG W 125 7.80
 PASS NO. 13
 STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.6	3.7	29.79	11.47	22.64	
5.1	5.1	30.00	11.50	22.80	
10.0	10.0	30.76	11.61	23.37	
14.9	14.9	30.95	11.75	23.49	
19.9	20.0	31.17	11.94	23.63	
24.9	25.0	31.21	11.89	23.67	
29.7	29.9	31.40	11.76	23.84	
34.8	34.9	31.48	11.59	23.93	
39.9	40.1	31.56	11.47	24.02	
44.9	45.0	31.62	11.36	24.08	
49.7	49.9	31.67	11.18	24.16	4.87
59.7	60.0	31.96	11.05	24.40	
69.7	70.0	32.00	10.63	24.51	
74.7	75.1	32.08	10.46	24.60	3.69
79.5	79.9	32.16	10.18	24.71	
89.6	90.1	32.34	9.74	24.92	1.72
99.4	99.9	32.67	8.97	25.30	
102.6	103.1	32.69	8.92	25.32	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 16 ALBERNI PROGRAM

LAT N 48 57.72

DATE 25/11/80

TIME (PST) 0258

TAPE: U01166 -271

LONG W 125 4.48

PASS NO. 15

STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.4	3.4	26.44	10.69	20.17
4.9	4.9	28.80	11.29	21.90
10.0	10.1	30.69	11.76	23.29
14.9	15.0	30.94	11.80	23.48
20.0	20.1	31.11	11.80	23.61
24.9	24.9	31.21	11.77	23.69
29.9	30.0	31.35	11.70	23.81
34.9	35.0	31.43	11.61	23.89
39.9	40.0	31.53	11.50	23.99
44.8	45.0	31.69	11.38	24.14
49.8	50.0	31.80	11.28	24.24
59.8	60.0	31.91	10.94	24.39
69.7	70.0	32.03	10.67	24.52
79.7	80.1	32.17	10.31	24.70
89.6	90.0	32.36	9.77	24.93
99.6	100.1	32.61	9.13	25.23
110.4	110.9	32.76	8.77	25.40
114.5	115.0	32.77	8.76	25.41

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 16 ALBERNI PROGRAM
 LAT N 48 58.78
 DATE 25/11/80
 TIME (PST) 0341

TAPE: UD1166 -272
 LONG W 124 57.80
 PASS NO. 17
 STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.4	3.3	21.80	10.22	16.64	
5.1	5.1	28.65	11.43	21.76	
10.0	10.0	30.80	11.78	23.37	
14.9	14.9	30.99	11.68	23.53	
20.0	20.1	31.21	11.57	23.73	
24.9	25.0	31.37	11.50	23.86	
29.9	30.0	31.49	11.37	23.98	
34.9	35.0	31.57	11.31	24.06	
39.9	40.1	31.65	11.22	24.13	
44.8	45.0	31.71	11.11	24.20	
49.8	50.0	31.82	11.00	24.30	4.50
59.8	60.0	32.00	10.55	24.52	
69.7	70.0	32.14	9.96	24.73	
74.7	75.0	32.23	9.83	24.82	2.65
79.7	80.0	32.38	9.58	24.97	
89.6	90.0	32.60	9.12	25.22	
99.5	100.0	32.80	8.66	25.45	1.62
110.5	111.0	32.86	8.53	25.52	
120.4	121.0	32.89	8.48	25.55	
125.4	126.0	32.89	8.47	25.55	1.46
130.3	131.0	32.91	8.44	25.57	
140.3	141.0	32.92	8.42	25.58	
150.2	151.0	32.93	8.39	25.60	1.56
160.1	161.0	32.94	8.36	25.61	
170.0	171.0	32.96	8.32	25.63	1.51
177.7	178.7	32.96	8.31	25.63	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 16 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 25/11/80
 TIME (PST) 0515

TAPE: U01166 -273
 LONG W 125 1.30
 PASS NO. 19
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.7	3.7	25.84	10.82	19.69	
5.0	5.0	28.56	11.48	21.69	
10.0	10.0	30.86	11.79	23.42	
14.9	14.9	31.01	11.75	23.54	
19.9	19.9	31.09	11.73	23.61	
24.9	25.0	31.21	11.59	23.72	
29.8	29.9	31.34	11.50	23.84	
34.9	35.0	31.51	11.35	24.00	
39.9	40.1	31.58	11.27	24.07	
44.9	45.1	31.67	11.20	24.15	
49.8	50.0	31.74	11.13	24.22	4.74
59.8	60.1	31.96	10.77	24.45	
69.7	70.0	32.13	10.42	24.64	
74.7	75.1	32.19	10.23	24.72	3.47
79.6	79.9	32.33	9.90	24.88	
89.7	90.1	32.50	9.41	25.09	
100.4	100.9	32.76	8.77	25.41	1.84
110.4	111.0	32.83	8.62	25.48	
120.3	121.0	32.86	8.55	25.51	
125.4	126.0	32.88	8.51	25.53	1.41
130.3	131.0	32.91	8.45	25.57	
140.3	141.1	32.92	8.43	25.58	
150.2	151.0	32.92	8.42	25.58	1.36
160.1	161.0	32.93	8.40	25.59	
170.0	170.9	32.93	8.41	25.59	1.46
180.0	181.0	32.93	8.39	25.60	
190.0	191.0	32.94	8.38	25.60	
194.0	195.1	32.94	8.38	25.60	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 16 ALBERNI PROGRAM
 LAT N 48 58.78
 DATE 25/11/80
 TIME (PST) 0604

TAPE: U01166 -274
 LONG W 124 57.80
 PASS NO. 21
 STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.2	3.1	18.99	9.74	14.52
5.0	4.9	27.33	10.95	20.82
10.1	10.1	30.67	11.74	23.28
15.0	15.0	30.89	11.73	23.45
19.9	20.0	31.02	11.65	23.57
24.9	25.0	31.23	11.58	23.74
29.9	30.0	31.39	11.48	23.89
35.0	35.1	31.50	11.38	23.98
39.9	40.0	31.62	11.25	24.11
44.8	45.0	31.74	11.08	24.22
49.9	50.1	31.83	10.96	24.32
59.7	60.0	31.97	10.61	24.48
69.7	70.0	32.10	10.05	24.68
79.6	80.0	32.31	9.65	24.91
89.6	90.0	32.65	9.00	25.28
99.6	100.0	32.78	8.69	25.43
110.5	111.1	32.86	8.53	25.52
120.5	121.1	32.89	8.48	25.54
130.2	130.9	32.90	8.44	25.56
140.2	140.9	32.92	8.40	25.59
150.2	151.0	32.94	8.38	25.60
160.1	160.9	32.95	8.35	25.61
169.0	170.0	32.97	8.30	25.64

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 16 ALBERNI PROGRAM
 LAT N 48 59.58
 DATE 25/11/80
 TIME (PST) 0646

TAPE: U01166 -275
 LONG W 124 53.38
 PASS NO. 23
 STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.7	3.7	15.73	9.17	12.06	
5.1	5.0	24.81	11.22	18.82	
10.1	10.1	30.60	11.79	23.21	
15.0	15.0	30.74	11.70	23.34	
20.0	20.0	30.96	11.56	23.53	
25.0	25.0	31.02	11.49	23.59	
30.0	30.1	31.25	11.31	23.80	
34.9	34.9	31.36	11.13	23.92	
40.0	40.1	31.51	10.92	24.07	
45.0	45.1	31.61	10.83	24.17	
49.7	49.9	31.68	10.82	24.22	3.95
59.8	60.0	31.84	10.56	24.39	
69.7	70.0	31.93	10.38	24.49	
74.6	74.9	32.07	10.05	24.66	2.96
79.7	80.0	32.20	9.77	24.80	
89.7	90.1	32.50	9.20	25.13	
99.6	100.1	32.72	8.82	25.36	1.80
110.5	111.0	32.78	8.65	25.43	
120.4	121.0	32.85	8.52	25.51	
125.4	126.0	32.87	8.49	25.53	1.84
130.3	131.0	32.87	8.49	25.53	
140.3	141.0	32.91	8.41	25.57	
150.3	151.1	32.93	8.37	25.59	1.82
160.1	160.9	32.94	8.34	25.61	
170.1	171.0	32.96	8.32	25.63	
180.1	181.0	32.96	8.31	25.63	
189.9	191.0	32.97	8.30	25.64	
199.9	201.1	32.97	8.29	25.64	1.68
224.7	226.0	32.99	8.27	25.65	
250.5	252.0	32.99	8.27	25.66	1.68
275.4	277.0	32.99	8.27	25.66	
300.2	302.1	32.99	8.27	25.66	
325.0	327.0	32.99	8.27	25.65	
349.8	352.1	32.99	8.28	25.66	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 16 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 25/11/80
 TIME (PST) 0753

TAPE: U01166 -276
 LONG W 124 51.11
 PASS NO. 25
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.2	3.1	6.91	8.29	5.26
5.1	5.0	19.41	10.24	14.78
10.1	10.0	30.51	11.76	23.15
15.1	15.0	30.76	11.71	23.35
20.0	19.9	30.95	11.45	23.55
25.0	25.0	31.08	11.28	23.68
29.9	30.0	31.26	11.07	23.85
35.0	35.1	31.41	10.78	24.02
39.9	40.0	31.49	10.62	24.11
44.9	45.0	31.55	10.51	24.18
49.9	50.0	31.65	10.35	24.28
59.8	60.0	31.80	10.29	24.41
69.7	69.9	31.91	10.11	24.52
79.7	80.0	32.10	9.73	24.74
89.6	90.0	32.50	9.06	25.15
99.6	100.0	32.74	8.64	25.41
109.5	110.0	32.81	8.51	25.48
119.6	120.1	32.85	8.43	25.53
130.5	131.1	32.88	8.39	25.55
140.3	140.9	32.91	8.35	25.58
150.3	151.1	32.92	8.33	25.60
160.2	161.0	32.94	8.31	25.62
170.1	171.0	32.96	8.29	25.63
180.0	180.9	32.96	8.28	25.64
190.0	191.0	32.97	8.28	25.64
200.1	201.2	32.98	8.27	25.65
224.7	226.0	32.98	8.27	25.65
226.7	228.0	32.98	8.27	25.65

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 16 ALBERNI PROGRAM
 LAT N 49 5.50
 DATE 25/11/80
 TIME (PST) 0827

TAPE: U01166 -277
 LONG W 124 49.50
 PASS NO. 27
 STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.6	3.6	10.26	8.96	7.82
5.0	5.0	17.14	9.98	13.05
10.0	10.0	30.45	11.41	23.17
15.0	15.0	30.78	11.29	23.44
20.1	20.1	30.95	11.16	23.59
25.1	25.1	31.07	11.09	23.70
29.9	30.0	31.26	10.87	23.89
35.0	35.1	31.39	10.70	24.02
40.0	40.1	31.54	10.48	24.18
45.0	45.1	31.61	10.38	24.25
49.8	49.9	31.66	10.31	24.30
59.9	60.1	31.73	10.22	24.36
69.7	70.0	31.79	10.14	24.43
79.7	80.0	31.82	10.12	24.45
89.7	90.0	31.86	10.07	24.49
99.6	100.0	31.88	10.02	24.52
109.5	110.0	31.89	10.01	24.53
119.6	120.1	31.91	9.98	24.54
121.5	122.1	31.91	9.97	24.55

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 16 ALBERNI PROGRAM
 LAT N 49 7.15
 DATE 25/11/80
 TIME (PST) 8477

TAPE: U01166 -278
 LONG W 124 48.80
 PASS NO. 29
 STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.6	3.6	8.88	8.59	6.78	
5.1	5.0	18.38	10.11	14.00	
10.1	10.0	30.10	11.47	22.89	
15.0	15.0	30.56	11.45	23.25	
20.0	20.0	30.72	11.38	23.38	
24.9	24.9	30.82	11.21	23.49	
29.9	29.9	30.92	11.15	23.58	
35.1	35.1	31.11	10.95	23.76	
40.0	40.1	31.20	10.84	23.85	
44.9	45.0	31.44	10.55	24.08	
49.9	50.0	31.58	10.36	24.22	2.57
59.9	60.1	31.72	10.15	24.37	
69.9	70.1	31.87	9.89	24.53	
74.8	75.0	31.92	9.82	24.58	1.25
79.7	79.9	32.03	9.67	24.69	
89.6	90.0	32.14	9.50	24.80	
99.7	100.1	32.20	9.41	24.86	1.17
109.5	110.0	32.21	9.38	24.88	
120.4	120.9	32.22	9.36	24.89	
125.4	126.0	32.23	9.36	24.89	1.17
130.4	131.0	32.23	9.35	24.89	
140.4	141.0	32.23	9.34	24.90	
143.1	143.7	32.24	9.34	24.91	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 16 ALBERNI PROGRAM

LAT N 49 9.91

DATE 25/11/80

TIME (PST) 0931

TAPE: U01166 -279

LONG W 124 48.62

PASS NO. 31

STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.4	3.3	7.75	9.36	5.82	
4.9	4.9	13.99	9.75	10.64	
10.1	10.1	30.22	11.54	22.96	
15.1	15.0	30.69	11.31	23.37	
20.1	20.0	30.85	11.15	23.52	
24.9	24.9	30.93	11.14	23.58	
30.0	30.0	31.07	10.85	23.75	
34.9	34.9	31.25	10.70	23.91	
39.8	39.9	31.46	10.43	24.12	
45.0	45.1	31.54	10.30	24.20	
49.9	50.0	31.68	10.10	24.34	1.51
59.8	60.0	31.83	9.90	24.50	
69.9	70.1	31.98	9.70	24.65	
74.8	75.1	32.07	9.61	24.73	1.10
79.7	80.0	32.12	9.53	24.78	
89.6	89.9	32.18	9.43	24.85	
99.6	100.0	32.21	9.38	24.88	1.10
109.6	110.0	32.22	9.38	24.88	
114.5	115.0	32.21	9.38	24.88	

CRUISE NO: 16 ALBERNI PROGRAM

LAT N 49 12.16

DATE 25/11/80

TIME (PST) 1006

TAPE: U01166 -280

LONG W 124 49.02

PASS NO. 33

STN: A0

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.3	3.3	4.76	9.28	3.50
5.0	4.9	13.17	9.93	9.97
10.1	10.0	30.38	11.48	23.10
15.0	14.9	30.60	11.29	23.30
20.1	20.1	30.71	11.06	23.43
25.0	25.0	30.84	10.86	23.56
30.0	30.0	31.05	10.67	23.76
35.0	35.0	31.24	10.52	23.94
39.9	40.0	31.38	10.42	24.06

1981 CTD data

COASTAL ZONE OCEANOGRAPHY
CRUISE NO: 17 ALBERNI PROGRAM
LAT N 48 57.02
DATE 7/ 1/81
TIME (PST) 0459

TAPE: U01166 -281
LONG W 125 1.30
PASS NO. 20
STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T
4.9	4.9	24.16	9.36	18.59
10.0	10.0	29.12	10.28	22.32
15.0	15.1	29.47	10.30	22.59
19.9	19.9	29.66	10.29	22.74
25.0	25.0	29.83	10.29	22.87
30.0	30.0	30.03	10.28	23.03
35.0	35.1	30.22	10.29	23.18
39.9	40.0	30.46	10.33	23.36
45.0	45.1	30.65	10.40	23.49
49.8	49.9	30.91	10.44	23.69
59.8	60.0	31.31	10.53	23.99
69.8	70.1	31.59	10.35	24.24
79.7	80.0	31.84	10.08	24.48
89.7	90.0	32.03	9.88	24.65
99.6	100.0	32.18	9.71	24.80
109.6	110.0	32.34	9.52	24.96
120.4	121.0	32.57	9.13	25.20
130.3	130.9	32.73	8.83	25.37
140.3	140.9	32.76	8.78	25.40
150.2	150.9	32.80	8.69	25.44
160.1	160.9	32.81	8.66	25.46
170.1	171.0	32.83	8.61	25.48
180.0	180.9	32.84	8.59	25.49
190.1	191.1	32.85	8.58	25.50
200.0	201.1	32.85	8.57	25.50
213.8	215.0	32.85	8.57	25.50

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 17 ALBERNI PROGRAM
 LAT N 48 53.78
 DATE 7/ 1/81
 TIME (PST) 0547

TAPE: U01166 -282
 LONG W 125 3.05
 PASS NO. 21
 STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.1	3.1	24.59	9.15	18.96
4.9	4.9	24.97	9.30	19.24
10.0	10.0	29.10	10.27	22.31
15.0	15.0	29.39	10.29	22.53
20.0	20.0	29.59	10.27	22.69
25.0	25.0	29.84	10.22	22.89
29.9	30.0	30.00	10.22	23.01
34.9	35.0	30.16	10.22	23.14
39.9	40.0	30.34	10.28	23.27
44.9	45.0	30.62	10.40	23.47
49.9	50.1	30.92	10.53	23.69
59.9	60.1	31.37	10.60	24.02
69.7	70.0	31.77	10.43	24.36
79.7	80.0	31.95	10.24	24.53
89.7	90.1	32.02	10.11	24.61
99.6	100.0	32.18	9.87	24.78
110.5	110.9	32.41	9.49	25.02
120.5	121.1	32.77	8.76	25.41
130.4	131.0	32.79	8.71	25.43
140.4	141.1	32.80	8.69	25.44
150.2	150.9	32.80	8.68	25.45
160.3	161.1	32.81	8.66	25.46
170.2	171.1	32.83	8.62	25.48
178.7	179.6	32.82	8.62	25.47

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 17 ALBERNI PROGRAM

LAT N 48 51.50

DATE 7/ 1/81

TIME (PST) 0630

TAPE: U01166 -283

LONG W 125 8.10

PASS NO. 23

STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.2	3.2	27.74	9.49	21.37	
5.0	5.0	28.25	9.94	21.70	
9.9	10.0	29.15	10.24	22.35	
14.9	14.9	29.30	10.15	22.48	
19.9	20.0	29.51	10.09	22.66	
25.0	25.0	29.63	10.11	22.75	
30.0	30.1	29.79	10.11	22.87	
34.9	35.0	30.10	10.10	23.12	
39.8	39.9	30.35	10.14	23.30	
44.9	45.0	30.63	10.32	23.49	
49.9	50.0	31.01	10.51	23.76	4.61
59.9	60.1	31.47	10.61	24.10	
69.8	70.0	31.81	10.42	24.39	
74.6	74.9	31.97	10.22	24.55	3.58
79.6	79.9	32.04	10.12	24.62	
89.6	90.0	32.08	10.03	24.67	
99.6	100.0	32.30	9.69	24.90	2.34
110.5	111.0	32.49	9.33	25.11	
120.4	121.0	32.67	8.97	25.30	
125.4	126.0	32.69	8.93	25.32	1.19
130.4	131.0	32.71	8.88	25.35	
130.4	131.0	32.71	8.88	25.35	

CRUISE NO: 17 ALBERNI PROGRAM

LAT N 48 48.20

DATE 7/ 1/81

TIME (PST) 0730

TAPE: U01166 -284

LONG W 125 14.40

PASS NO. 25

STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.9	3.9	28.47	9.74	21.90
4.9	4.9	28.62	9.74	22.02
10.0	10.0	29.13	9.80	22.41
14.9	14.9	29.41	9.85	22.62
20.0	20.1	29.56	9.79	22.74
24.9	24.9	29.89	9.84	22.99
30.0	30.1	30.23	9.86	23.25
34.8	35.0	30.47	9.97	23.42
39.8	39.9	30.91	10.16	23.73
44.9	45.1	31.69	10.20	24.34

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 17 ALBERNI PROGRAM
 LAT N 48 50.05
 DATE 7/ 1/81
 TIME (PST) 0758

TAPE: U01166 -285
 LONG W 125 15.80
 PASS NO. 27
 STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
4.7	4.7	27.95	9.65	21.51	
5.1	5.1	28.04	9.67	21.58	
10.1	10.1	28.58	9.84	21.97	
15.0	15.0	29.22	9.94	22.46	
19.9	20.0	29.47	10.21	22.61	
25.0	25.1	29.66	10.06	22.78	
29.8	29.9	30.10	10.12	23.11	
34.9	35.0	30.22	10.05	23.22	
39.9	40.0	30.46	10.10	23.39	
44.9	45.0	30.67	10.11	23.56	
49.9	50.1	30.86	10.22	23.68	5.51
59.7	59.9	31.67	10.17	24.33	
69.8	70.1	31.90	10.10	24.52	
74.7	75.0	31.99	10.10	24.59	5.21
79.5	79.8	32.05	10.06	24.64	
89.7	90.1	32.29	9.95	24.85	
99.6	100.1	32.35	9.95	24.89	5.20
101.4	101.9	32.35	9.95	24.89	

CRUISE NO: 17 ALBERNI PROGRAM
 LAT N 48 54.15
 DATE 7/ 1/81
 TIME (PST) 0841

TAPE: U01166 -286
 LONG W 125 12.95
 PASS NO. 29
 STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.0	1.0	26.08	9.21	20.11
5.0	5.0	26.12	9.26	20.14
10.1	10.1	28.98	10.17	22.23
15.0	15.0	29.37	10.22	22.53
20.0	20.0	29.53	10.30	22.64
25.0	25.1	29.82	10.38	22.85
29.9	30.0	30.02	10.27	23.03
35.0	35.0	30.21	10.30	23.17
39.9	40.0	30.32	10.06	23.29
44.9	45.0	30.61	10.30	23.48
49.9	50.1	30.96	10.34	23.74
59.6	59.8	31.35	10.38	24.04
69.8	70.0	31.86	10.06	24.50
79.6	80.0	32.00	9.92	24.63
89.6	90.0	32.05	9.86	24.68
99.7	100.1	32.10	9.80	24.72
108.3	108.7	32.14	9.73	24.77

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 17 ALBERNI PROGRAM
 LAT N 48 58.20
 DATE 7/ 1/81
 TIME (PST) 0919

TAPE: U01166 -287
 LONG W 125 7.80
 PASS NO. 31
 STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.5	3.5	25.60	9.06	19.76	
5.0	5.0	27.05	9.62	20.81	
10.0	10.0	28.67	10.19	21.99	
15.0	15.0	29.27	10.28	22.43	
19.9	20.0	29.46	10.28	22.59	
24.9	25.0	29.73	10.39	22.78	
29.9	29.9	29.93	10.32	22.95	
34.9	35.0	30.10	10.22	23.10	
39.9	40.1	30.25	10.25	23.20	
44.9	45.1	30.36	10.26	23.29	
49.9	50.1	30.62	10.34	23.48	5.47
59.8	60.0	31.11	10.39	23.85	
69.9	70.1	31.62	10.19	24.28	
74.7	75.0	31.80	10.07	24.44	4.31
79.7	80.0	31.91	9.97	24.55	
89.7	90.1	32.01	9.87	24.64	
94.7	95.1	32.10	9.77	24.73	3.47
98.5	98.9	32.18	9.67	24.81	

CRUISE NO: 17 ALBERNI PROGRAM
 LAT N 48 57.72
 DATE 7/ 1/81
 TIME (PST) 0952

TAPE: U01166 -288
 LONG W 125 4.48
 PASS NO. 33
 STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.3	3.3	22.97	9.03	17.71
5.1	5.1	25.66	9.58	19.74
10.0	10.0	28.95	10.24	22.20
15.1	15.1	29.23	10.26	22.41
20.0	20.0	29.35	10.29	22.50
24.9	24.9	29.52	10.32	22.63
29.9	30.0	29.84	10.36	22.87
34.9	35.0	30.08	10.24	23.08
39.9	40.0	30.24	10.28	23.19
44.9	45.1	30.42	10.29	23.34
49.8	49.9	30.63	10.33	23.49
59.8	60.0	31.19	10.36	23.92
69.7	70.0	31.59	10.23	24.26
79.8	80.1	31.82	10.04	24.47
89.7	90.0	32.01	9.86	24.65
99.6	100.1	32.15	9.70	24.78
109.5	110.0	32.34	9.46	24.97
120.5	121.0	32.41	9.37	25.03
130.3	130.9	32.45	9.30	25.08
133.4	134.0	32.46	9.28	25.09

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 17 ALBERNI PROGRAM

LAT N 48 57.02

DATE 7/ 1/81

TIME (PST) 1018

TAPE: UD1166 -289

LONG W 125 1.30

PASS NO. 35

STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.2	3.2	24.92	9.37	19.19	
5.0	5.0	25.72	9.63	19.78	
10.0	10.0	29.00	10.26	22.23	
15.0	15.0	29.41	10.29	22.55	
19.9	19.9	29.65	10.30	22.73	
25.0	25.0	29.85	10.30	22.89	
29.9	30.0	30.00	10.27	23.01	
35.0	35.0	30.11	10.26	23.10	
39.9	40.0	30.40	10.29	23.32	
44.9	45.0	30.50	10.34	23.39	
49.9	50.0	30.85	10.41	23.65	5.16
59.8	60.0	31.30	10.40	24.00	
69.7	69.9	31.67	10.25	24.32	
74.7	75.0	31.74	10.14	24.39	4.13
79.6	79.9	31.97	9.94	24.60	
89.7	90.0	32.08	9.84	24.70	
99.6	100.0	32.11	9.81	24.73	3.42
109.6	110.0	32.27	9.58	24.89	
120.4	121.0	32.49	9.25	25.12	
125.4	126.0	32.65	8.99	25.28	2.16
130.4	131.0	32.72	8.85	25.36	
140.3	140.9	32.78	8.73	25.42	
150.3	151.0	32.81	8.65	25.46	1.35
160.2	161.0	32.82	8.62	25.48	
170.2	171.1	32.83	8.61	25.48	
180.2	181.1	32.83	8.60	25.48	
190.0	191.0	32.83	8.59	25.49	
200.0	201.0	32.84	8.58	25.50	1.41
224.7	225.9	32.85	8.57	25.50	
238.6	240.0	32.85	8.57	25.50	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 17 ALBERNI PROGRAM
 LAT N 48 58.78
 DATE 7/ 1/81
 TIME (PST) 1101

TAPE: U01166 -290
 LONG W 124 57.80
 PASS NO. 37
 STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.0	3.0	24.96	9.55	19.19
5.0	5.0	26.62	10.03	20.41
10.1	10.1	29.26	10.30	22.43
15.1	15.1	29.47	10.30	22.59
20.0	20.0	29.71	10.25	22.79
24.9	24.9	29.93	10.26	22.96
29.9	30.0	30.09	10.26	23.08
34.8	34.9	30.27	10.28	23.22
39.9	40.0	30.50	10.34	23.39
45.0	45.1	30.78	10.46	23.58
49.8	50.0	30.94	10.46	23.71
59.8	60.1	31.37	10.57	24.03
69.7	70.0	31.73	10.38	24.34
79.8	80.1	31.90	10.16	24.50
89.7	90.0	32.02	10.03	24.62
99.6	100.0	32.11	9.90	24.71
110.5	111.0	32.28	9.64	24.89
120.5	121.1	32.50	9.29	25.11
130.3	130.9	32.68	8.92	25.32
140.3	141.0	32.78	8.71	25.43
150.3	151.1	32.81	8.65	25.46
160.3	161.1	32.83	8.60	25.49
170.2	171.0	32.87	8.52	25.52
180.0	180.9	32.88	8.48	25.54
182.1	183.0	32.89	8.47	25.55

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 17 ALBERNI PROGRAM
 LAT N 48 59.58
 DATE 7/ 1/81
 TIME (PST) 1137

TAPE: U01166 -291
 LONG W 124 53.38
 PASS NO. 39
 STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.0	3.0	17.53	8.46	13.54	
5.0	4.9	26.93	9.89	20.68	
10.0	10.0	29.04	10.27	22.26	
15.0	15.0	29.42	10.27	22.56	
19.9	19.9	29.59	10.22	22.70	
24.9	24.9	29.79	10.20	22.86	
30.0	30.1	30.11	10.21	23.10	
34.9	35.0	30.35	10.29	23.28	
39.8	39.9	30.56	10.37	23.43	
44.8	44.9	30.78	10.43	23.59	
49.8	49.9	31.09	10.50	23.82	3.98
59.7	59.9	31.33	10.49	24.01	
69.8	70.1	31.70	10.37	24.32	
74.6	74.9	31.82	10.26	24.43	3.50
79.8	80.0	31.99	10.11	24.58	
89.7	90.1	32.13	9.90	24.73	
99.6	100.0	32.25	9.69	24.85	2.48
110.4	110.9	32.54	9.15	25.17	
120.5	121.0	32.70	8.85	25.34	
125.3	125.9	32.75	8.74	25.40	1.72
130.4	131.0	32.80	8.66	25.45	
140.2	140.9	32.80	8.65	25.45	
150.1	150.9	32.83	8.59	25.48	1.57
160.3	161.1	32.85	8.53	25.51	
170.2	171.1	32.89	8.45	25.55	
180.0	180.9	32.91	8.41	25.57	
190.0	191.0	32.93	8.37	25.60	
200.0	201.1	32.94	8.35	25.60	1.51
224.8	226.0	32.95	8.33	25.62	
249.7	251.1	32.95	8.33	25.62	1.46
275.5	277.1	32.95	8.34	25.61	
300.3	302.1	32.95	8.34	25.61	1.46
325.1	327.1	32.95	8.34	25.62	
349.7	351.9	32.95	8.34	25.62	1.46
361.7	364.0	32.95	8.34	25.62	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 17 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 7/ 1/81
 TIME (PST) 1237

TAPE: U01166 -292
 LONG W 124 51.11
 PASS NO. 41
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.2	3.1	15.26	8.13	11.80
4.9	4.9	24.57	9.47	18.90
10.0	10.0	28.89	10.13	22.17
15.0	15.0	29.32	10.16	22.50
19.9	19.9	29.48	10.14	22.62
25.0	25.0	29.71	10.10	22.81
30.0	30.0	29.98	10.11	23.02
34.9	35.0	30.25	10.27	23.20
39.9	40.0	30.39	10.31	23.31
44.9	45.0	30.71	10.39	23.54
49.9	50.1	30.95	10.42	23.72
59.8	60.0	31.28	10.41	23.98
69.8	70.0	31.68	10.44	24.29
79.7	80.0	31.95	10.20	24.54
89.8	90.1	32.05	10.02	24.65
99.6	100.0	32.11	9.90	24.72
110.6	111.0	32.30	9.49	24.93
119.5	120.0	32.50	9.11	25.15
130.5	131.0	32.69	8.76	25.35
140.4	141.0	32.76	8.62	25.43
150.3	151.0	32.80	8.55	25.47
160.3	161.1	32.83	8.52	25.49
170.2	171.0	32.85	8.48	25.51
180.2	181.1	32.86	8.44	25.53
190.0	191.0	32.89	8.39	25.56
200.0	201.1	32.91	8.36	25.58
224.8	226.0	32.94	8.33	25.61

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 17 ALBERNI PROGRAM
 LAT N 49 5.50
 DATE 7/ 1/81
 TIME (PST) 1306

TAPE: U01166 -293
 LONG W 124 49.50
 PASS NO. 43
 STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.5	3.5	17.60	8.75	13.56
4.7	4.7	20.85	9.13	16.05
9.9	9.9	28.89	10.20	22.15
14.9	14.9	29.43	10.19	22.58
20.0	20.0	29.64	10.20	22.74
25.0	25.0	29.76	10.22	22.83
30.0	30.1	29.97	10.27	22.98
35.0	35.1	30.29	10.32	23.23
40.0	40.1	30.64	10.39	23.49
45.0	45.1	30.76	10.46	23.57
49.8	50.0	31.01	10.44	23.77
59.7	59.9	31.21	10.43	23.93
69.9	70.2	31.36	10.41	24.04
79.8	80.1	31.44	10.39	24.11
89.6	89.9	31.55	10.38	24.20
99.6	100.0	31.60	10.38	24.24
109.5	110.0	31.61	10.37	24.25
119.5	120.0	31.71	10.36	24.32
122.3	122.8	31.71	10.36	24.33

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 17 ALBERNI PROGRAM
 LAT N 49 7.15
 DATE 7/ 1/81
 TIME (PST) 1353

TAPE: U01166 -294
 LONG W 124 48.80
 PASS NO. 45
 STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.0	3.0	10.65	7.91	8.22	
5.1	5.0	22.27	9.38	17.12	
10.0	9.9	28.89	10.17	22.16	
15.0	15.0	29.47	10.20	22.61	
20.0	20.0	29.83	10.26	22.87	
24.9	24.9	29.94	10.29	22.96	
30.0	30.0	30.35	10.43	23.25	
34.9	35.0	30.61	10.42	23.46	
40.0	40.0	30.97	10.47	23.74	
44.9	45.0	31.15	10.52	23.87	
50.0	50.1	31.25	10.57	23.93	2.72
59.8	59.9	31.44	10.36	24.11	
69.8	70.0	31.61	10.16	24.28	
74.7	74.9	31.83	9.90	24.49	1.36
79.7	79.9	31.99	9.70	24.65	
89.6	90.0	32.05	9.62	24.71	
99.6	100.0	32.07	9.58	24.73	.84
109.6	110.0	32.08	9.57	24.75	
119.5	120.0	32.10	9.54	24.77	
124.5	125.0	32.12	9.51	24.79	.73
129.5	130.0	32.13	9.50	24.79	
140.3	141.0	32.14	9.48	24.80	
141.2	141.9	32.14	9.48	24.80	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 17 ALBERNI PROGRAM

LAT N 49 9.91

DATE 7/ 1/81

TIME (PST) 1435

TAPE: UD1166 -295

LONG W 124 48.62

PASS NO. 47

STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.1	3.0	10.00	8.25	7.68	
5.0	5.0	17.39	8.71	13.40	
10.0	10.0	28.86	10.11	22.15	
15.0	15.0	29.32	10.17	22.50	
19.9	19.9	29.55	10.12	22.68	
24.9	24.9	29.83	10.15	22.90	
29.9	29.9	30.17	10.50	23.10	
34.9	34.9	30.40	10.71	23.25	
40.1	40.1	30.72	10.81	23.48	
45.0	45.1	30.96	10.80	23.67	
49.8	49.9	31.11	10.73	23.80	2.19
59.9	60.0	31.32	10.54	23.99	
69.9	70.1	31.45	10.39	24.12	
74.9	75.1	31.53	10.29	24.20	1.43
79.9	80.1	31.62	10.18	24.29	
89.8	90.1	31.97	9.72	24.64	
99.8	100.1	32.05	9.62	24.71	.83
109.6	110.0	32.08	9.57	24.74	
114.6	115.0	32.08	9.57	24.74	

CRUISE NO: 17 ALBERNI PROGRAM

LAT N 49 12.16

DATE 7/ 1/81

TIME (PST) 1504

TAPE: UD1166 -296

LONG W 124 49.02

PASS NO. 49

STN: AD

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.0	3.0	10.02	7.89	7.73
5.0	5.0	17.94	8.79	13.82
10.1	10.0	29.00	10.02	22.27
15.1	15.0	29.33	10.06	22.52
20.0	20.0	29.53	10.08	22.68
25.0	25.0	29.78	10.16	22.86
30.1	30.1	29.99	10.47	22.97
34.9	35.0	30.24	10.70	23.13
38.6	38.6	30.54	10.89	23.32

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 49 12.16
 DATE 5/ 2/81
 TIME (PST) 1802

TAPE: UD1166 -297
 LONG W 124 49.02
 PASS NO. 39
 STN: AD

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.8	3.8	21.95	9.34	16.88
5.0	5.0	26.41	9.82	20.28
10.0	10.0	30.26	10.59	23.16
15.0	15.0	30.60	10.65	23.42
19.9	20.0	30.79	10.59	23.58
24.9	24.9	30.99	10.51	23.74
29.8	29.9	31.05	10.50	23.79
34.9	35.0	31.15	10.46	23.88
39.9	40.0	31.22	10.46	23.93
44.9	45.1	31.25	10.44	23.96
49.9	50.0	31.28	10.41	23.98
59.7	59.9	31.35	10.36	24.05
62.8	63.0	31.38	10.35	24.07

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 49 9.91
 DATE 5/ 2/81
 TIME (PST) 1828

TAPE: UD1166 -298
 LONG W 124 48.62
 PASS NO. 31
 STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
5.4	5.4	26.57	9.66	20.43	
10.0	10.0	30.59	10.42	23.45	
14.9	15.0	30.83	10.40	23.63	
19.9	20.0	30.91	10.38	23.70	
24.9	25.0	30.99	10.37	23.76	
30.0	30.1	31.11	10.41	23.85	
34.9	35.0	31.17	10.35	23.91	
39.9	40.1	31.22	10.36	23.95	
44.9	45.1	31.27	10.40	23.98	
49.8	50.0	31.31	10.39	24.01	3.14
59.8	60.0	31.36	10.33	24.06	
69.7	70.0	31.42	10.28	24.11	
74.6	74.9	31.52	10.23	24.20	2.23
79.6	79.9	31.59	10.16	24.27	
89.6	90.0	31.87	9.83	24.54	
99.6	100.0	31.99	9.69	24.65	2.41
110.5	111.0	32.01	9.67	24.67	
112.1	112.7	32.01	9.67	24.67	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM

LAT N 49 7.15

DATE 5/ 2/81

TIME (PST) 1904

TAPE: U01166 -299

LONG W 124 48.80

PASS NO. 43

STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.6	3.6	22.10	8.31	17.13	
5.0	5.0	27.93	9.41	21.53	
10.1	10.1	30.15	10.36	23.11	
15.0	15.1	30.61	10.32	23.48	
20.0	20.0	30.79	10.27	23.62	
24.9	25.0	30.96	10.26	23.76	
29.9	30.0	31.06	10.27	23.84	
35.0	35.1	31.18	10.24	23.93	
39.9	40.1	31.26	10.24	24.00	
44.8	45.0	31.29	10.22	24.02	
49.8	50.0	31.30	10.23	24.03	3.51
59.8	60.0	31.37	10.19	24.09	
69.7	70.0	31.49	10.12	24.19	
74.8	75.1	31.53	10.09	24.23	2.97
79.6	79.9	31.58	10.05	24.28	
89.6	90.0	31.80	9.91	24.47	
99.6	100.0	31.98	9.71	24.64	.70
109.5	110.0	31.99	9.69	24.66	
119.5	120.0	32.02	9.66	24.68	
125.4	125.9	32.04	9.64	24.70	.68
127.3	127.9	32.05	9.63	24.71	

CRUISE NO: 18 ALBERNI PROGRAM

LAT N 49 5.50

DATE 5/ 2/81

TIME (PST) 1946

TAPE: U01166 -300

LONG W 124 49.50

PASS NO. 45

STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.0	3.0	18.31	9.99	13.96
5.0	5.0	28.53	9.96	21.92
9.9	9.9	30.22	10.27	23.18
14.9	14.9	30.63	10.26	23.50
20.0	20.0	30.79	10.26	23.63
24.9	25.0	30.99	10.25	23.78
29.9	30.0	31.13	10.23	23.89
34.9	35.0	31.19	10.22	23.94
39.9	40.0	31.26	10.20	24.00
45.0	45.1	31.35	10.20	24.07
49.9	50.1	31.41	10.19	24.12
59.8	60.0	31.52	10.19	24.20
69.7	70.0	31.55	10.19	24.23
79.6	80.0	31.68	10.18	24.33
89.5	89.9	31.70	10.18	24.35
99.6	100.1	31.71	10.18	24.36
109.5	110.0	31.72	10.18	24.36
117.4	117.9	31.72	10.18	24.37

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 5/ 2/81
 TIME (PST) 2021

TAPE: U01166 -301
 LONG W 124 51.11
 PASS NO. 47
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.5	3.5	27.92	9.83	21.46
5.1	5.1	28.86	10.03	22.16
10.0	10.0	30.06	10.25	23.06
14.9	15.0	30.64	10.31	23.50
19.9	19.9	30.80	10.32	23.62
24.9	25.0	30.97	10.31	23.76
29.8	29.9	31.07	10.28	23.84
34.8	34.9	31.17	10.19	23.93
39.9	40.1	31.27	10.14	24.02
44.8	45.0	31.36	10.11	24.10
49.8	50.0	31.46	10.13	24.17
59.7	60.0	31.60	10.16	24.27
69.7	70.0	31.76	10.11	24.41
79.5	79.9	31.99	10.06	24.59
89.6	90.0	32.05	9.98	24.66
99.6	100.0	32.21	9.70	24.83
110.4	110.9	32.42	9.32	25.05
120.4	121.0	32.61	8.97	25.26
130.3	130.9	32.70	8.83	25.34
140.2	141.0	32.72	8.79	25.37
150.3	151.1	32.75	8.73	25.40
160.2	161.0	32.77	8.70	25.42
170.0	170.9	32.79	8.64	25.44
180.1	181.1	32.81	8.60	25.46
190.0	191.0	32.84	8.52	25.51
200.0	201.1	32.86	8.48	25.53
224.6	225.9	32.91	8.42	25.57
250.4	251.9	32.92	8.40	25.58
275.3	277.0	32.92	8.40	25.58
293.1	294.9	32.93	8.38	25.59

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 48 59.58
 DATE 5/ 2/81
 TIME (PST) 2120

TAPE: U01166 -302
 LONG W 124 53.38
 PASS NO. 49
 STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.9	3.9	28.34	9.74	21.80	
5.1	5.1	28.52	9.95	21.91	
10.0	10.0	30.25	10.26	23.20	
14.9	15.0	30.69	10.19	23.56	
19.9	20.0	30.87	10.19	23.70	
24.9	25.0	30.96	10.18	23.77	
30.0	30.1	31.08	10.17	23.87	
34.9	35.0	31.20	10.15	23.96	
39.9	40.1	31.32	10.11	24.06	
44.8	45.0	31.37	10.10	24.11	
49.9	50.1	31.45	10.04	24.18	5.02
59.9	60.1	31.58	10.02	24.28	
69.7	70.0	31.80	10.01	24.46	
74.7	75.0	31.85	10.00	24.50	3.70
79.6	80.0	31.89	9.98	24.53	
89.6	90.0	32.03	9.88	24.65	
99.6	100.1	32.06	9.85	24.68	3.19
109.6	110.1	32.18	9.71	24.80	
120.4	121.0	32.27	9.59	24.89	
125.3	125.9	32.45	9.30	25.07	2.21
130.3	130.9	32.54	9.12	25.18	
140.3	141.0	32.71	8.82	25.36	
150.3	151.1	32.75	8.75	25.39	1.58
160.2	161.0	32.77	8.70	25.42	
170.1	171.0	32.81	8.62	25.47	
175.0	176.0	32.81	8.63	25.46	1.57
180.0	180.9	32.83	8.60	25.48	
190.1	191.2	32.87	8.51	25.53	
199.9	201.0	32.86	8.52	25.52	1.48
224.7	226.0	32.91	8.42	25.57	
249.5	251.0	32.91	8.42	25.57	
275.4	277.0	32.91	8.42	25.57	
300.1	302.0	32.91	8.42	25.57	
305.1	307.0	32.91	8.42	25.57	

COASTAL ZONE OCEANOGRAPHY
CRUISE NO: 18 ALBERNI PROGRAM
LAT N 48 58.78
DATE 5/ 2/81
TIME (PST) 2230

TAPE: U01166 -303
LONG W 124 57.80
PASS NO. 51
STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
4.0	4.0	28.55	9.62	21.98
9.9	9.9	30.55	10.10	23.46
15.1	15.1	30.72	10.09	23.60
20.0	20.1	30.83	10.10	23.68
25.0	25.1	30.91	10.07	23.75
30.0	30.1	30.99	10.08	23.81
34.9	35.1	31.11	10.12	23.90
39.9	40.1	31.16	10.12	23.94
44.9	45.1	31.25	10.11	24.01
49.7	49.9	31.31	10.09	24.06
59.8	60.1	31.48	10.10	24.19
69.6	69.9	31.67	9.96	24.36
79.6	80.0	31.84	9.93	24.50
89.5	89.9	31.93	9.89	24.58
100.4	100.9	32.09	9.76	24.73
110.5	111.0	32.31	9.48	24.94
120.5	121.1	32.44	9.29	25.07
130.3	131.0	32.62	8.99	25.26
140.3	141.0	32.67	8.88	25.32
150.2	151.0	32.76	8.73	25.41
160.1	161.0	32.80	8.66	25.45
170.1	171.0	32.81	8.62	25.46
175.0	175.9	32.84	8.56	25.49

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 5/ 2/81
 TIME (PST) 2309

TAPE: U01166 -304
 LONG W 125 1.30
 PASS NO. 53
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
5.1	5.1	28.14	9.51	21.68	
10.1	10.1	30.20	9.89	23.23	
15.0	15.1	30.59	9.94	23.52	
19.9	20.0	30.84	9.94	23.71	
24.9	25.0	31.08	9.99	23.90	
29.9	30.0	31.08	9.89	23.91	
34.8	35.0	31.12	9.80	23.95	
39.8	40.0	31.24	9.89	24.04	
44.9	45.1	31.30	9.96	24.07	
49.7	49.9	31.38	10.01	24.13	5.50
59.7	60.0	31.56	10.02	24.27	
69.8	70.1	31.76	9.96	24.43	
74.7	75.0	31.86	9.91	24.52	4.31
79.6	79.9	31.90	9.89	24.56	
89.6	90.1	31.99	9.85	24.63	
99.5	100.0	32.08	9.76	24.71	3.24
110.4	111.0	32.31	9.49	24.94	
120.5	121.1	32.54	9.13	25.17	
125.4	126.0	32.54	9.13	25.17	1.80
130.4	131.0	32.62	8.99	25.26	
140.3	141.0	32.71	8.84	25.35	
150.1	150.9	32.75	8.76	25.40	1.41
160.3	161.1	32.77	8.72	25.42	
170.1	171.0	32.78	8.70	25.43	
175.1	176.1	32.78	8.70	25.43	1.34
180.0	181.0	32.79	8.69	25.43	
190.0	191.1	32.79	8.68	25.44	
199.7	200.9	32.79	8.67	25.45	1.41
224.7	226.0	32.80	8.66	25.45	
234.7	236.1	32.80	8.65	25.45	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 48 57.72
 DATE 6/ 2/81
 TIME (PST) 0016

TAPE: U01166 -305
 LONG W 125 4.48
 PASS NO. 55
 STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
4.9	4.9	29.00	9.48	22.35
10.0	10.0	29.46	9.53	22.71
15.0	15.0	30.70	9.64	23.66
19.9	20.0	30.83	9.60	23.76
24.8	24.9	30.91	9.64	23.82
29.9	30.0	30.92	9.64	23.83
34.9	35.0	30.92	9.54	23.84
39.8	39.9	31.04	9.60	23.93
44.8	45.0	31.19	9.69	24.03
49.7	49.9	31.40	9.96	24.15
59.8	60.0	31.62	10.05	24.31
69.8	70.1	31.86	9.96	24.51
79.7	80.0	32.00	9.90	24.63
89.6	90.0	32.07	9.83	24.70
99.5	100.0	32.08	9.80	24.71
110.5	111.0	32.26	9.54	24.89
113.3	113.8	32.28	9.52	24.91

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 48 58.20
 DATE 6/ 2/81
 TIME (PST) 0056

TAPE: U01166 -306
 LONG W 125 7.80
 PASS NO. 57
 STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.5	3.5	28.50	9.25	22.00	
5.0	5.0	28.79	9.47	22.19	
10.0	10.0	30.21	10.08	23.20	
15.0	15.0	30.66	9.87	23.59	
19.9	19.9	30.91	9.55	23.83	
24.9	25.0	31.00	9.54	23.91	
30.0	30.1	31.19	9.98	23.98	
34.9	35.1	31.29	9.95	24.07	
39.9	40.1	31.33	9.94	24.10	
44.8	45.0	31.46	10.09	24.18	
49.7	49.9	31.50	10.10	24.21	5.31
59.8	60.1	31.68	10.09	24.35	
69.7	70.0	31.84	9.98	24.50	
74.7	75.0	31.88	9.96	24.53	4.43
79.7	80.1	31.94	9.93	24.58	
84.6	85.0	31.98	9.91	24.61	4.13
89.6	90.0	32.03	9.84	24.66	
99.6	100.0	32.13	9.71	24.76	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM

LAT N 48 54.15

DATE 6/ 2/81

TIME (PST) 0155

TAPE: U01166 -307

LONG W 125 12.95

PASS NO. 59

STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.5	3.5	29.67	9.37	22.90
5.0	5.0	29.81	9.55	22.98
10.0	10.0	30.23	9.83	23.26
15.1	15.1	30.61	9.83	23.56
20.0	20.0	30.88	9.82	23.77
24.9	25.0	30.99	9.48	23.91
29.9	30.1	31.11	9.50	24.00
34.8	35.0	31.17	9.52	24.04
39.8	40.0	31.26	9.54	24.11
44.8	45.0	31.36	9.72	24.16
49.8	50.0	31.42	9.67	24.22
59.7	60.0	31.50	9.68	24.28
69.8	70.1	31.82	10.09	24.46
79.6	79.9	31.96	10.11	24.56
89.6	90.0	32.11	10.19	24.67
100.4	100.9	32.20	10.12	24.75
109.2	109.7	32.21	10.12	24.76

CRUISE NO: 18 ALBERNI PROGRAM

LAT N 48 50.05

DATE 6/ 2/81

TIME (PST) 0229

TAPE: U01166 -308

LONG W 125 15.80

PASS NO. 61

STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
5.0	5.0	29.61	8.98	22.90	
10.0	10.0	30.29	8.87	23.45	
14.9	15.0	30.68	8.64	23.79	
19.9	20.0	30.69	8.57	23.81	
24.9	25.0	30.73	8.58	23.84	
30.0	30.1	30.80	8.66	23.88	
34.9	35.0	30.83	8.59	23.92	
39.8	39.9	30.87	8.53	23.96	
44.8	45.0	30.94	8.59	24.00	
49.8	50.0	31.02	8.90	24.02	5.81
59.7	60.0	31.38	9.06	24.27	
69.7	70.0	31.48	9.52	24.29	
74.5	74.8	31.66	9.65	24.41	5.56
79.6	79.9	31.71	9.65	24.44	
89.5	90.0	31.99	9.91	24.62	5.58
99.5	100.0	32.15	10.08	24.72	
101.6	102.1	32.18	10.10	24.74	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM

LAT N 48 48.20

DATE 6/ 2/81

TIME (PST) 0329

TAPE: U01166 -309

LONG W 125 14.40

PASS NO. 63

STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.2	3.2	30.14	8.67	23.36
6.2	6.2	30.15	8.80	23.35
9.8	9.8	30.57	8.57	23.71
15.1	15.1	30.82	8.51	23.92
20.0	20.1	30.87	8.54	23.96
24.9	25.0	30.96	8.59	24.02
29.6	29.7	31.01	8.58	24.06
34.8	35.0	31.13	8.64	24.15
39.9	40.0	31.21	8.75	24.19
42.9	43.1	31.22	8.77	24.20

CRUISE NO: 18 ALBERNI PROGRAM

LAT N 48 51.50

DATE 6/ 2/81

TIME (PST) 0438

TAPE: U01166 -310

LONG W 125 8.10

PASS NO. 65

STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.9	2.9	29.92	9.15	23.12	
5.1	5.1	29.93	9.17	23.13	
10.0	10.0	30.48	9.11	23.57	
15.0	15.1	30.67	9.14	23.71	
20.0	20.1	30.79	9.14	23.81	
24.8	24.9	30.98	9.48	23.90	
29.8	30.0	31.03	9.46	23.94	
34.8	35.0	31.05	9.47	23.96	
39.7	39.9	31.19	9.76	24.02	
44.7	44.9	31.33	10.05	24.08	
49.9	50.1	31.39	10.00	24.14	4.51
59.7	59.9	31.61	10.20	24.28	
69.5	69.9	31.81	10.17	24.44	
74.7	75.0	31.88	10.13	24.49	3.54
79.5	79.9	31.98	10.02	24.59	
89.6	90.0	32.06	9.92	24.67	
100.4	100.9	32.26	9.66	24.87	2.34
109.6	110.1	32.48	9.31	25.10	
113.4	114.0	32.51	9.26	25.13	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 48 53.78
 DATE 6/ 2/81
 TIME (PST) 0532

TAPE: U01166 -311
 LONG W 125 3.05
 PASS NO. 67
 STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.6	3.6	28.09	9.15	21.70
4.9	4.9	29.48	9.50	22.73
10.0	10.0	30.56	10.10	23.48
14.8	14.9	30.64	9.70	23.60
19.9	20.0	30.87	9.81	23.76
24.8	24.9	30.91	9.92	23.77
29.8	29.9	31.05	10.00	23.87
34.9	35.1	31.10	10.07	23.90
39.8	39.9	31.16	10.11	23.94
44.8	45.0	31.33	10.16	24.07
49.9	50.1	31.45	10.10	24.17
59.9	60.1	31.61	10.06	24.30
69.7	70.0	31.73	10.02	24.40
79.7	80.1	31.88	9.97	24.53
89.6	90.0	31.98	9.91	24.61
100.6	101.0	32.13	9.80	24.75
110.5	111.0	32.21	9.72	24.83
120.4	121.0	32.42	9.39	25.04
130.3	131.0	32.58	9.11	25.21
140.2	140.9	32.69	8.90	25.33
148.1	148.9	32.70	8.87	25.34

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 48 53.78
 DATE 9/ 2/81
 TIME (PST) 0009

TAPE: UD1166 -312
 LONG W 125 3.05
 PASS NO. 1
 STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.8	2.8	29.90	9.47	23.06
5.0	5.0	29.89	9.49	23.05
9.9	10.0	30.80	9.92	23.69
15.0	15.0	30.96	9.98	23.80
19.9	20.0	31.12	9.98	23.93
24.8	24.9	31.25	10.13	24.01
29.9	30.0	31.29	10.01	24.06
34.9	35.1	31.36	10.05	24.10
39.8	40.0	31.44	10.08	24.16
44.7	44.9	31.47	10.07	24.19
49.7	50.0	31.58	10.06	24.27
59.6	59.9	31.76	10.00	24.43
69.7	70.0	31.85	9.95	24.50
79.6	80.0	31.95	9.90	24.59
89.6	90.1	32.05	9.85	24.67
100.4	100.9	32.19	9.73	24.81
110.4	111.0	32.40	9.41	25.02
120.5	121.1	32.63	9.01	25.26
130.3	131.0	32.66	8.95	25.29
140.1	140.9	32.72	8.82	25.37
150.2	151.0	32.73	8.80	25.38
160.1	161.0	32.74	8.78	25.39
170.0	171.0	32.75	8.76	25.40
178.2	179.2	32.75	8.76	25.40

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 48 51.50
 DATE 9/ 2/81
 TIME (PST) 0115

TAPE: U01166 -313
 LONG W 125 8.10
 PASS NO. 3
 STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.0	3.0	30.63	9.49	23.63	
5.0	5.0	30.61	9.53	23.60	
10.0	10.1	30.70	9.60	23.66	
14.9	15.0	30.85	9.10	23.85	
19.8	19.9	30.97	9.17	23.94	
24.9	25.0	31.04	9.34	23.97	
29.8	30.0	31.09	9.36	24.01	
34.8	34.9	31.15	9.56	24.02	
39.9	40.1	31.39	10.18	24.11	
44.8	45.0	31.43	10.14	24.14	
49.8	50.0	31.49	9.85	24.24	4.67
59.7	60.0	31.75	10.10	24.40	
69.6	69.9	31.89	10.06	24.52	
74.5	74.9	31.92	10.03	24.54	3.35
79.5	79.9	31.98	9.98	24.60	
89.6	90.0	32.04	9.93	24.65	
99.6	100.1	32.05	9.91	24.67	3.05
110.4	110.9	32.11	9.84	24.72	
120.5	121.1	32.29	9.57	24.91	
125.3	125.9	32.57	9.13	25.20	1.69
130.3	131.0	32.60	9.09	25.23	
140.3	141.0	32.62	9.05	25.25	
142.1	142.9	32.61	9.05	25.24	

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 48 48.20
 DATE 9/ 2/81
 TIME (PST) 0211

TAPE: U01166 -314
 LONG W 125 14.40
 PASS NO. 5
 STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
4.0	4.0	30.58	8.13	23.79
5.0	5.0	30.58	8.13	23.79
10.0	10.1	30.58	8.14	23.79
15.0	15.1	30.67	8.22	23.85
19.8	19.9	30.76	8.28	23.91
24.9	25.0	30.90	8.34	24.01
29.8	30.0	30.96	8.35	24.06
35.0	35.1	31.01	8.35	24.09
39.8	40.0	31.03	8.35	24.11
44.7	44.9	31.07	8.42	24.13

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM

LAT N 48 44.80

DATE 9/ 2/81

TIME (PST) 0249

TAPE: U01166 -315

LONG W 125 21.60

PASS NO. 7

STN: A15

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.3	3.3	30.86	8.16	24.00
5.1	5.1	30.88	8.18	24.01
10.1	10.1	30.88	8.22	24.01
15.1	15.1	30.89	8.20	24.02
20.0	20.1	30.90	8.16	24.03
24.9	25.0	30.91	8.14	24.05
30.0	30.1	30.98	8.26	24.08
34.8	34.9	31.05	8.35	24.13
39.9	40.1	31.13	8.43	24.18
44.8	45.0	31.17	8.48	24.20
49.7	50.0	31.17	8.46	24.20
59.6	59.9	31.25	8.57	24.25
69.6	69.9	31.36	8.63	24.32
79.6	80.0	31.42	8.70	24.37
89.5	90.0	31.46	8.76	24.39
100.3	100.8	31.77	9.45	24.52
100.3	100.8	31.77	9.45	24.52

CRUISE NO: 18 ALBERNI PROGRAM

LAT N 48 50.05

DATE 9/ 2/81

TIME (PST) 0347

TAPE: U01166 -316

LONG W 125 15.80

PASS NO. 9

STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.6	3.6	30.57	8.83	23.68	
4.9	4.9	30.57	8.83	23.68	
10.0	10.0	30.57	8.79	23.68	
14.9	14.9	30.65	8.60	23.77	
19.9	20.0	30.73	8.39	23.87	
24.8	24.9	30.71	8.34	23.86	
29.9	30.1	30.73	8.36	23.88	
34.9	35.1	30.88	8.48	23.97	
39.8	40.0	30.98	8.52	24.05	
44.8	45.0	31.01	8.54	24.07	
49.9	50.1	31.08	8.57	24.12	5.86
59.8	60.0	31.34	8.82	24.28	
69.6	69.9	31.61	9.24	24.43	
74.6	74.9	31.74	9.44	24.50	5.62
79.7	80.1	31.80	9.56	24.53	
89.5	89.9	31.92	9.73	24.60	5.59
96.4	96.9	31.97	9.82	24.62	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM

LAT N 48 54.15

DATE 9/ 2/81

TIME (PST) 0434

TAPE: UQ1166 -317

LONG W 125 12.95

PASS NO. 11

STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.3	3.3	30.03	8.78	23.27
5.0	5.0		8.73	
10.0	10.1	30.05	8.75	23.28
14.9	15.0	30.18	9.17	23.32
19.9	20.0	30.63	9.19	23.67
24.9	25.0	30.80	9.16	23.81
29.8	30.0	30.92	8.93	23.94
34.8	35.0	31.08	9.14	24.03
39.8	40.0	31.20	9.31	24.10
44.8	45.0	31.36	9.49	24.19
49.8	50.0	31.47	9.77	24.23
59.8	60.0	31.77	10.02	24.43
69.6	70.0	31.87	10.06	24.50
79.6	80.0	31.96	10.11	24.56
89.6	90.0	32.05	10.16	24.63
100.4	100.9	32.12	10.17	24.68
110.2	110.7	32.18	10.15	24.73
110.2	110.7	32.18	10.15	24.73

CRUISE NO: 18 ALBERNI PROGRAM

LAT N 48 58.20

DATE 9/ 2/81

TIME (PST) 0516

TAPE: UQ1166 -318

LONG W 125 7.80

PASS NO. 13

STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
10.0	10.0	30.44	10.18	23.37	
15.0	15.0	30.89	10.02	23.74	
19.9	20.0	31.04	9.94	23.87	
24.9	25.0	31.12	9.74	23.97	
29.9	30.0	31.22	10.04	24.00	
34.9	35.0	31.40	10.01	24.14	
39.8	40.0	31.45	10.01	24.18	
44.8	45.0	31.53	10.05	24.24	
49.8	50.0	31.58	10.08	24.27	5.56
59.8	60.0	31.74	10.06	24.40	
69.7	70.0	31.86	9.98	24.51	
74.7	75.1	31.91	9.99	24.55	4.47
79.6	80.0	31.94	9.98	24.57	
89.6	90.0	31.99	9.90	24.62	4.35
99.6	100.0	32.08	9.81	24.71	
101.3	101.8	32.11	9.78	24.73	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM

LAT N 48 57.72

DATE 9/ 2/81

TIME (PST) 0559

TAPE: U01166 -319

LONG W 125 4.48

PASS NO. 15

STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.5	3.5	29.49	9.54	22.73
4.9	4.9	29.90	9.29	23.08
9.9	10.0	30.42	9.72	23.43
15.0	15.1	30.93	9.72	23.82
19.9	20.0	31.06	9.74	23.92
24.9	25.0	31.15	9.78	23.99
29.8	29.9	31.22	9.84	24.03
34.8	35.0	31.27	9.81	24.08
39.8	40.0	31.36	9.87	24.13
45.0	45.1	31.47	9.87	24.22
49.8	50.1	31.62	9.94	24.32
59.6	59.9	31.72	9.69	24.44
69.6	69.9	31.87	9.97	24.51
79.6	80.0	31.93	9.98	24.56
90.5	90.9	32.00	9.97	24.62
93.2	93.6	32.01	9.96	24.63

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 9/ 2/81
 TIME (PST) 0635

TAPE: U01166 -320
 LONG W 125 1.30
 PASS NO. 17
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.9	2.9	28.20	9.19	21.77	
4.9	5.0	28.46	9.28	21.96	
10.1	10.1	30.70	10.10	23.58	
15.0	15.1	30.95	9.76	23.83	
20.0	20.1	31.05	9.84	23.90	
25.0	25.1	31.13	9.84	23.96	
29.9	30.0	31.15	9.82	23.98	
34.9	35.0	31.27	9.91	24.06	
39.8	39.9	31.41	9.90	24.16	
44.8	45.0	31.46	9.94	24.20	
49.6	49.8	31.54	9.95	24.26	5.46
59.8	60.0	31.84	9.96	24.49	
69.6	69.9	31.93	9.95	24.56	
74.6	75.0	31.97	9.93	24.60	4.26
79.6	79.9	32.03	9.87	24.66	
89.7	90.1	32.11	9.78	24.74	
99.6	100.1	32.17	9.71	24.80	3.05
110.4	110.9	32.38	9.38	25.01	
120.5	121.1	32.58	9.07	25.21	
125.3	126.0	32.64	8.97	25.28	1.73
130.2	130.9	32.68	8.89	25.32	
140.2	141.0	32.73	8.81	25.37	
150.1	150.9	32.75	8.76	25.40	1.46
160.2	161.1	32.78	8.71	25.43	
170.0	171.0	32.78	8.69	25.43	
179.9	180.9	32.79	8.68	25.44	
189.9	191.0	32.80	8.66	25.45	
199.8	200.9	32.80	8.66	25.45	1.37
224.7	226.0	32.81	8.65	25.46	
244.7	246.2	32.81	8.64	25.46	

COASTAL ZONE OCEANOGRAPHY
CRUISE NO: 18 ALBERNI PROGRAM
LAT N 48 58.78
DATE 9/ 2/81
TIME (PST) 0728

TAPE: U01166 -321
LONG W 124 57.80
PASS NO. 19
STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.4	3.4	29.21	9.56	22.51
5.0	5.0	29.37	9.53	22.63
10.1	10.1	30.82	10.16	23.67
14.9	15.0	30.97	10.10	23.79
19.8	19.9	31.12	10.11	23.91
25.0	25.1	31.22	10.11	23.98
30.0	30.1	31.28	10.11	24.04
35.0	35.1	31.38	10.10	24.12
39.9	40.1	31.46	10.07	24.18
45.0	45.2	31.57	10.03	24.27
49.7	49.9	31.63	9.95	24.33
59.8	60.1	31.75	9.99	24.42
69.6	69.9	31.88	9.94	24.53
79.6	80.0	31.95	9.89	24.59
89.6	90.1	32.10	9.75	24.73
100.4	100.9	32.24	9.58	24.87
110.5	111.0	32.41	9.32	25.04
120.6	121.2	32.63	8.94	25.27
130.3	131.0	32.67	8.87	25.32
140.3	141.0	32.70	8.82	25.35
150.1	150.9	32.74	8.75	25.39
160.1	160.9	32.77	8.70	25.42
170.0	171.0	32.81	8.62	25.46
179.8	180.8	32.83	8.59	25.48
184.7	185.8	32.82	8.59	25.48

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 48 59.58
 DATE 9/ 2/81
 TIME (PST) 0810

TAPE: U01166 -322
 LONG W 124 53.38
 PASS NO. 21
 STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.1	3.1	29.46	9.91	22.65	
5.0	5.0	29.86	9.98	22.95	
10.0	10.1	30.61	10.22	23.50	
14.9	15.0	30.96	10.18	23.78	
19.9	20.0	31.10	10.15	23.89	
24.9	25.0	31.21	10.14	23.97	
29.8	29.9	31.29	10.11	24.04	
34.9	35.1	31.36	10.09	24.10	
39.8	40.0	31.41	10.06	24.15	
44.7	44.9	31.56	10.01	24.27	
49.8	50.0	31.58	10.02	24.28	4.71
59.7	60.0	31.69	9.98	24.38	
69.7	70.1	31.83	9.93	24.49	
74.7	75.0	31.85	9.92	24.51	3.81
79.5	79.9	31.93	9.89	24.57	
89.5	90.0	32.04	9.84	24.67	
100.5	101.0	32.17	9.69	24.79	3.16
110.4	111.0	32.41	9.35	25.04	
120.4	121.0	32.62	8.99	25.26	
125.4	126.1	32.62	8.98	25.26	1.94
130.4	131.1	32.63	8.97	25.27	
140.2	141.0	32.69	8.86	25.34	
150.2	151.1	32.71	8.82	25.36	1.71
160.1	160.9	32.74	8.75	25.39	
170.2	171.1	32.77	8.69	25.42	
175.0	176.0	32.79	8.67	25.44	1.58
180.1	181.1	32.80	8.65	25.45	
189.9	191.0	32.81	8.62	25.46	
199.8	200.9	32.84	8.57	25.49	1.51
224.7	226.0	32.90	8.44	25.56	1.41
250.5	252.0	32.90	8.43	25.57	
275.3	277.0	32.91	8.42	25.57	1.38
300.2	302.0	32.91	8.42	25.57	
325.0	327.1	32.91	8.42	25.57	
349.8	352.0	32.91	8.42	25.57	
354.6	356.8	32.91	8.42	25.57	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 9/ 2/81
 TIME (PST) 0914

TAPE: U01166 -323
 LONG W 124 51.11
 PASS NO. 23
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
5.0	5.0	25.04	9.37	19.28
9.9	9.9	30.76	10.32	23.59
15.0	15.1	30.96	10.24	23.77
20.0	20.1	31.06	10.18	23.85
24.9	25.0	31.14	10.16	23.91
30.0	30.1	31.22	10.15	23.98
34.9	35.0	31.31	10.11	24.06
39.8	40.0	31.43	10.08	24.15
44.8	45.0	31.52	10.10	24.22
49.8	50.0	31.59	10.06	24.28
59.7	60.0	31.75	9.97	24.42
69.8	70.1	31.86	9.97	24.51
79.6	79.9	31.96	10.00	24.58
89.5	89.9	32.04	10.00	24.64
99.6	100.1	32.11	9.88	24.72
110.5	111.0	32.26	9.61	24.88
120.5	121.1	32.43	9.30	25.06
130.3	131.0	32.60	9.01	25.24
140.2	140.9	32.69	8.84	25.33
150.2	151.0	32.74	8.77	25.38
160.2	161.1	32.77	8.68	25.42
170.2	171.1	32.79	8.64	25.44
180.0	181.0	32.80	8.60	25.46
190.0	191.0	32.83	8.55	25.49
199.9	201.0	32.86	8.51	25.52
224.7	226.0	32.89	8.45	25.55
249.6	251.0	32.90	8.43	25.57
275.3	277.0	32.91	8.41	25.58
285.1	286.8	32.91	8.40	25.58

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 49 5.50
 DATE 9/ 2/81
 TIME (PST) 0952

TAPE: U01166 -324
 LONG W 124 49.50
 PASS NO. 25
 STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
5.0	5.0	24.21	9.54	18.61
10.0	10.0	30.80	10.21	23.64
15.0	15.0	30.85	10.21	23.68
20.0	20.0	31.07	10.20	23.86
24.9	25.0	31.24	10.18	23.99
29.9	30.0	31.25	10.18	24.00
34.9	35.0	31.28	10.17	24.03
39.8	40.0	31.34	10.17	24.07
44.8	45.0	31.45	10.16	24.15
49.8	49.9	31.56	10.15	24.25
59.7	59.9	31.63	10.15	24.30
69.7	70.0	31.72	10.13	24.38
79.6	79.9	31.74	10.13	24.39
89.5	89.9	31.75	10.13	24.40
99.6	100.1	31.77	10.13	24.41
99.6	100.1	31.77	10.13	24.41

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 49 7.15
 DATE 9/ 2/81
 TIME (PST) 1014

TAPE: U01166 -325
 LONG W 124 48.80
 PASS NO. 27
 STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.2	3.2	22.54	8.00	17.51	
4.9	4.9	27.48	9.82	21.12	
10.1	10.1	30.43	10.37	23.33	
14.9	15.0	30.80	10.26	23.63	
19.9	20.0	30.96	10.23	23.77	
24.9	24.9	31.05	10.20	23.84	
29.9	30.0	31.15	10.22	23.91	
34.9	35.0	31.21	10.23	23.96	
39.8	39.9	31.23	10.19	23.98	
44.9	45.1	31.27	10.19	24.02	
49.8	50.0	31.33	10.18	24.06	3.68
59.8	60.0	31.40	10.15	24.12	
69.8	70.0	31.43	10.14	24.15	
74.6	75.0	31.52	10.09	24.22	2.23
79.7	80.0	31.53	10.09	24.23	
89.5	89.9	31.72	9.94	24.40	
99.5	99.9	31.90	9.79	24.57	.88
109.5	110.0	31.93	9.75	24.60	
119.5	120.1	31.96	9.73	24.62	
125.4	126.0	31.98	9.70	24.64	.66
130.5	131.1	31.99	9.69	24.65	
138.4	139.0	32.04	9.64	24.70	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 49 9.91
 DATE 9/ 2/81
 TIME (PST) 1057

TAPE: U01166 -326
 LONG W 124 48.62
 PASS NO. 29
 STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.3	3.3	28.79	10.16	22.09	
5.0	5.0	29.46	10.37	22.57	
10.0	10.1	30.59	10.47	23.44	
14.9	14.9	30.88	10.36	23.68	
20.1	20.1	31.05	10.36	23.81	
24.9	25.0	31.12	10.36	23.87	
29.8	29.9	31.22	10.39	23.94	
34.9	35.0	31.28	10.38	23.99	
40.0	40.1	31.31	10.32	24.02	
44.9	45.0	31.34	10.32	24.04	
49.8	50.0	31.37	10.33	24.07	2.03
59.8	60.1	31.42	10.27	24.12	
69.7	70.0	31.49	10.16	24.19	
74.7	75.1	31.56	10.08	24.26	2.28
79.7	80.1	31.68	10.00	24.36	
89.5	89.9	31.88	9.80	24.55	
99.5	100.0	31.95	9.73	24.62	.73
110.4	111.0	31.98	9.71	24.64	
113.5	114.1	31.98	9.70	24.64	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM

LAT N 49 12.16

DATE 9/ 2/81

TIME (PST) 1121

TAPE: UD1166 -327

LONG W 124 49.02

PASS NO. 31

STN: A0

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.1	3.1	28.35	10.21	21.74
10.0	10.0	30.61	10.56	23.43
15.1	15.1	30.82	10.52	23.61
19.9	20.0	31.01	10.51	23.76
25.0	25.1	31.09	10.47	23.82
29.9	30.0	31.15	10.48	23.87
34.9	35.1	31.22	10.40	23.94
39.9	40.0	31.27	10.37	23.98
44.9	45.1	31.30	10.37	24.01
49.8	50.1	31.35	10.36	24.05
59.8	60.1	31.39	10.31	24.08
61.5	61.8	31.39	10.30	24.09

CRUISE NO: 18 ALBERNI PROGRAM

LAT N 48 58.78

DATE 9/ 2/81

TIME (PST) 1714

TAPE: U01166 -328

LONG W 124 57.80

PASS NO. 33

STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.3	3.3	29.52	9.75	22.71
4.9	5.0	29.52	9.80	22.71
10.0	10.0	30.36	9.99	23.33
14.8	14.9	31.09	10.12	23.88
19.9	20.0	31.20	10.11	23.97
25.0	25.1	31.26	10.10	24.02
29.9	30.0	31.31	10.07	24.07
34.8	35.0	31.38	10.04	24.12
39.8	40.0	31.47	10.02	24.20
44.7	44.9	31.54	10.02	24.25
49.8	50.0	31.59	10.00	24.30
59.7	60.0	31.75	9.98	24.42
69.6	70.0	31.87	9.96	24.52
79.6	79.9	31.97	9.88	24.61
89.6	90.0	32.01	9.84	24.65
99.5	100.0	32.08	9.75	24.72
110.4	110.9	32.27	9.52	24.91
120.5	121.1	32.41	9.32	25.05
130.4	131.0	32.56	9.07	25.20
140.2	141.0	32.72	8.79	25.37
150.3	151.1	32.74	8.75	25.39
160.2	161.1	32.78	8.68	25.44
170.1	171.1	32.81	8.61	25.47
180.0	181.0	32.82	8.59	25.47
186.7	187.8	32.83	8.57	25.49

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 48 44.80
 DATE 11/ 2/81
 TIME (PST) 1453

TAPE: U01166 -383
 LONG W 125 21.60
 PASS NO.145
 STN: A15

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.6	3.6	31.45	8.62	24.40
5.0	5.0	31.54	8.63	24.47
9.9	10.0	31.59	8.63	24.51
14.9	15.0	31.59	8.63	24.51
19.9	20.0	31.61	8.69	24.51
24.9	25.0	31.61	8.69	24.52
29.9	30.1	31.61	8.69	24.52
34.8	34.9	31.61	8.68	24.52
39.9	40.1	31.61	8.68	24.52
44.7	45.0	31.61	8.68	24.52
49.8	50.0	31.61	8.67	24.52
59.7	60.0	31.64	8.71	24.53
69.6	70.0	31.66	8.75	24.54
79.5	79.9	31.69	8.79	24.56
89.6	90.0	31.88	9.28	24.64
100.5	101.1	32.33	9.99	24.87
102.3	102.8	32.33	10.00	24.87

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 49 12.16
 DATE 11/ 2/81
 TIME (PST) 1814

TAPE: U01166 -384
 LONG W 124 49.02
 PASS NO.147
 STN: A0

DEPTH	PRESS	SAL	TEMP	SIGMA-T
4.9	4.9	28.18	9.90	21.65
10.0	10.0	30.82	10.50	23.61
15.0	15.0	31.12	10.44	23.85
19.9	20.0	31.18	10.41	23.90
24.9	25.0	31.25	10.37	23.97
29.9	30.0	31.28	10.36	23.99
35.0	35.1	31.32	10.34	24.02
39.8	40.0	31.36	10.31	24.06
44.8	45.0	31.38	10.31	24.08
49.8	50.0	31.41	10.28	24.10
53.8	54.1	31.43	10.27	24.12

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 49 9.91
 DATE 11/ 2/81
 TIME (PST) 1840

TAPE: UD1166 -385
 LONG W 124 48.62
 PASS NO.149
 STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.3	3.3	29.48	10.25	22.60	
5.0	5.0	29.64	10.25	22.73	
10.0	10.0	29.88	10.24	22.92	
14.9	15.0	31.00	10.33	23.78	
19.9	20.0	31.10	10.35	23.85	
24.8	24.9	31.17	10.36	23.91	
29.9	30.0	31.25	10.35	23.97	
34.9	35.1	31.28	10.33	23.99	
39.8	40.0	31.31	10.30	24.03	
44.8	45.0	31.40	10.28	24.10	
49.8	50.0	31.42	10.26	24.12	2.08
59.8	60.0	31.47	10.19	24.17	
69.7	70.0	31.53	10.08	24.24	
74.7	75.0	31.58	10.05	24.28	2.39
79.7	80.1	31.64	10.00	24.33	
89.6	90.0	31.83	9.87	24.50	
99.5	100.0	31.91	9.77	24.58	.74
101.2	101.6	31.93	9.75	24.60	

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 49 7.15
 DATE 11/ 2/81
 TIME (PST) 1920

TAPE: UD1166 -386
 LONG W 124 48.80
 PASS NO.151
 STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.4	3.4	22.84	7.06	17.85	
4.9	4.9	26.58	9.24	20.50	
10.0	10.0	30.81	10.28	23.64	
15.0	15.0	30.98	10.25	23.77	
19.9	20.0	31.09	10.19	23.87	
24.9	25.0	31.16	10.17	23.93	
29.8	29.9	31.22	10.17	23.98	
34.9	35.1	31.25	10.17	24.00	
39.9	40.0	31.32	10.15	24.06	
44.9	45.1	31.36	10.15	24.09	
49.8	50.0	31.40	10.15	24.12	3.87
59.8	60.1	31.46	10.13	24.17	
69.6	69.9	31.55	10.10	24.24	
74.7	75.0	31.62	10.05	24.31	3.07
79.6	80.0	31.64	10.03	24.33	
89.6	90.0	31.83	9.85	24.50	
99.5	100.0	31.94	9.75	24.60	.75
110.5	111.0	31.96	9.72	24.63	
120.4	121.0	31.99	9.70	24.65	
125.5	126.1	32.01	9.67	24.68	.58
128.0	128.7	32.03	9.65	24.69	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 49 5.50
 DATE 11/ 2/81
 TIME (PST) 2000

TAPE: UD1166 -387
 LONG W 124 49.50
 PASS NO.153
 STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.7	3.7		7.42	
5.0	5.0	24.39	7.99	18.95
10.0	10.0	30.04	10.12	23.07
15.0	15.0	31.14	10.16	23.91
19.9	20.0	31.25	10.13	24.01
24.9	24.9	31.32	10.11	24.06
29.9	30.0	31.41	10.07	24.14
35.0	35.1	31.46	10.08	24.18
39.9	40.0	31.52	10.10	24.22
44.8	45.0	31.59	10.10	24.28
49.8	50.0	31.68	10.09	24.35
59.8	60.1	31.73	10.08	24.39
69.7	70.0	31.76	10.08	24.42
79.6	80.0	31.77	10.07	24.42
89.6	90.0	31.79	10.07	24.43
99.6	100.0	31.79	10.07	24.43
99.6	100.0	31.79	10.07	24.43

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 11/ 2/81
 TIME (PST) 2022

TAPE: U01166 -388
 LONG W 124 51.11
 PASS NO.155
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.7	3.7	29.13	8.66	22.58
4.9	4.9	29.85	9.29	23.05
10.0	10.0	30.97	10.25	23.77
15.0	15.0	31.14	10.16	23.92
19.9	20.0	31.25	10.12	24.01
24.9	25.0	31.33	10.09	24.08
29.9	30.0	31.40	10.07	24.13
34.9	35.0	31.48	10.04	24.20
39.8	40.0	31.52	10.03	24.23
44.9	45.1	31.60	10.02	24.30
49.7	49.9	31.63	10.01	24.32
59.7	60.0	31.73	10.00	24.40
69.7	70.0	31.85	9.95	24.50
79.6	80.0	31.97	9.99	24.59
89.6	90.0	32.06	9.93	24.67
100.5	101.0	32.18	9.74	24.80
110.3	110.9	32.28	9.57	24.90
120.4	121.0	32.40	9.34	25.03
130.3	131.0	32.61	8.96	25.26
140.3	141.0	32.69	8.83	25.34
150.1	151.0	32.73	8.78	25.37
160.2	161.1	32.77	8.70	25.42
170.1	171.0	32.77	8.69	25.42
180.1	181.1	32.79	8.64	25.44
189.9	191.0	32.81	8.60	25.47
199.9	201.0	32.85	8.52	25.51
224.6	225.9	32.88	8.47	25.54
249.5	251.0	32.89	8.44	25.55
275.3	277.0	32.90	8.42	25.56
283.0	284.8	32.91	8.41	25.57

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 48 59.58
 DATE 11/ 2/81
 TIME (PST) 2101

TAPE: U01166 -389
 LONG W 124 53.38
 PASS NO.157
 STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.3	3.3	27.50	7.98	21.40	
4.9	4.9	27.58	8.11	21.44	
10.0	10.0	28.26	8.63	21.90	
15.0	15.0	31.16	10.14	23.94	
20.0	20.1	31.27	10.06	24.03	
24.9	25.0	31.34	10.07	24.08	
29.9	30.0	31.40	10.01	24.14	
35.0	35.1	31.48	10.00	24.20	
39.9	40.0	31.52	9.97	24.24	
44.8	45.0	31.55	9.98	24.26	
49.8	50.0	31.61	9.99	24.31	5.22
59.7	59.9	31.76	9.98	24.43	
69.7	70.0	31.86	9.93	24.51	
74.6	74.9	31.89	9.92	24.54	3.87
79.7	80.1	31.95	9.89	24.59	
90.5	90.9	32.10	9.78	24.72	
99.6	100.0	32.19	9.67	24.81	2.99
110.4	110.9	32.41	9.34	25.04	
120.3	120.9	32.55	9.09	25.19	
125.4	126.0	32.62	8.98	25.26	1.91
130.3	131.0	32.65	8.92	25.29	
140.3	141.0	32.68	8.87	25.32	
150.2	151.0	32.71	8.82	25.36	1.70
160.1	161.0	32.74	8.74	25.39	
170.1	171.0	32.76	8.71	25.41	
175.0	175.9	32.78	8.68	25.43	1.55
180.0	180.9	32.80	8.64	25.45	
189.9	190.9	32.83	8.58	25.48	
199.9	201.0	32.87	8.49	25.53	1.41
224.8	226.1	32.89	8.45	25.55	
250.5	252.0	32.89	8.44	25.56	1.38
275.3	277.0	32.90	8.43	25.56	
300.2	302.1	32.91	8.43	25.57	1.36
325.0	327.0	32.90	8.43	25.57	
341.5	343.7	32.90	8.44	25.56	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 48 58.78
 DATE 11/ 2/81
 TIME (PST) 2201

TAPE: U01166 -390
 LONG W 124 57.80
 PASS NO.159
 STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
5.2	5.3	29.51	9.02	22.82
10.0	10.1	29.85	9.14	23.07
15.0	15.0	31.13	9.88	23.95
19.9	20.0	31.29	9.93	24.07
24.9	25.0	31.35	9.91	24.12
30.0	30.1	31.40	9.87	24.17
34.9	35.0	31.48	9.88	24.22
39.8	40.0	31.55	9.93	24.27
44.8	45.0	31.61	9.93	24.32
49.8	50.0	31.65	9.86	24.36
59.8	60.0	31.79	9.96	24.46
69.8	70.1	31.92	9.92	24.56
79.6	80.0	31.99	9.85	24.63
89.6	90.0	32.06	9.77	24.70
100.5	101.0	32.23	9.58	24.86
109.5	110.1	32.34	9.43	24.97
120.4	121.0	32.60	8.99	25.25
130.3	131.0	32.70	8.82	25.34
140.2	140.9	32.71	8.81	25.35
150.1	150.9	32.74	8.76	25.39
160.2	161.0	32.77	8.70	25.42
170.1	171.0	32.78	8.67	25.43
180.0	181.0	32.79	8.65	25.44
184.5	185.6	32.79	8.65	25.45

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 11/ 2/81
 TIME (PST) 2232

TAPE: U01166 -391
 LONG W 125 1.30
 PASS NO.161
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.5	3.5	30.02	9.34	23.17	
4.9	4.9	30.13	9.31	23.26	
10.0	10.0	30.81	9.64	23.74	
15.0	15.1	30.85	9.65	23.77	
19.9	20.0	31.07	9.79	23.92	
24.8	25.0	31.26	9.97	24.04	
29.9	30.0	31.36	9.95	24.12	
34.9	35.1	31.40	9.90	24.16	
39.9	40.1	31.41	9.86	24.17	
44.9	45.1	31.43	9.83	24.20	
49.8	50.0	31.47	9.82	24.23	5.43
59.7	60.0	31.80	9.84	24.48	
69.8	70.1	31.94	9.90	24.58	
74.6	75.0	32.00	9.89	24.63	4.22
79.6	79.9	32.02	9.86	24.65	
89.5	90.0	32.07	9.83	24.69	
100.5	101.0	32.17	9.70	24.79	2.69
110.4	110.9	32.40	9.36	25.03	
120.5	121.2	32.59	9.05	25.23	
125.3	126.0	32.66	8.94	25.30	1.64
130.3	131.0	32.68	8.90	25.32	
140.2	141.0	32.71	8.84	25.35	
150.2	151.0	32.74	8.78	25.39	1.34
160.2	161.0	32.77	8.72	25.42	
170.2	171.1	32.79	8.68	25.44	
175.1	176.1	32.79	8.67	25.44	1.30
180.1	181.1	32.79	8.66	25.44	
189.9	191.0	32.80	8.65	25.45	
199.9	201.1	32.80	8.65	25.45	1.34
224.7	226.0	32.81	8.64	25.46	
232.7	234.0	32.80	8.64	25.46	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 48 57.72
 DATE 11/ 2/81
 TIME (PST) 2325

TAPE: U01166 -392
 LONG W 125 4.48
 PASS NO.163
 STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.6	3.7	30.17	9.03	23.34
4.9	5.0	30.16	9.04	23.33
10.0	10.1	30.25	9.17	23.38
15.0	15.1	30.82	9.51	23.77
19.9	20.0	31.18	9.66	24.03
24.9	25.0	31.22	9.68	24.06
29.9	30.0	31.25	9.69	24.08
34.9	35.0	31.28	9.64	24.11
39.8	39.9	31.38	9.82	24.16
44.8	45.0	31.49	9.69	24.26
49.8	50.0	31.55	9.58	24.33
59.8	60.0	31.67	9.64	24.41
69.7	70.0	31.81	9.78	24.50
79.6	80.0	31.98	10.03	24.59
89.6	90.0	32.03	9.94	24.64
93.6	94.0	32.06	9.88	24.68

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 48 58.20
 DATE 11/ 2/81
 TIME (PST) 2357

TAPE: U01166 -393
 LONG W 125 7.80
 PASS NO.165
 STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
4.9	4.9	29.68	8.67	23.01	
9.9	10.0	30.19	9.05	23.35	
14.9	15.0	30.51	9.01	23.60	
20.0	20.1	30.76	9.23	23.76	
24.8	24.9	31.17	9.96	23.97	
29.9	30.0	31.32	9.88	24.10	
34.9	35.0	31.40	9.91	24.16	
39.9	40.1	31.51	9.92	24.25	
44.8	45.0	31.54	9.88	24.28	
49.8	50.1	31.60	10.06	24.29	5.15
59.7	60.0	31.78	10.02	24.44	
69.7	70.0	31.89	9.99	24.53	
74.7	75.0	31.92	10.00	24.55	4.60
79.6	80.0	31.96	10.00	24.58	
89.6	90.0	32.05	10.10	24.64	4.12
93.2	93.7	32.11	9.99	24.70	

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 48 54.15
 DATE 12/ 2/81
 TIME (PST) 0039

TAPE: U01166 -394
 LONG W 125 12.95
 PASS NO.167
 STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.3	3.3	29.94	8.47	23.24
4.9	4.9	29.94	8.47	23.24
10.0	10.0	30.09	8.52	23.35
14.9	15.0	30.54	8.75	23.67
19.9	20.0	30.70	9.00	23.76
24.9	25.0	30.81	9.28	23.80
30.0	30.1	31.20	9.78	24.02
34.9	35.0	31.27	9.77	24.08
39.7	39.9	31.42	9.89	24.18
44.8	45.0	31.41	9.60	24.22
49.7	49.9	31.54	9.63	24.32
59.5	59.8	31.64	9.61	24.39
69.7	70.0	31.90	10.04	24.53
79.7	80.1	31.91	9.85	24.57
89.6	90.0	32.03	10.03	24.63
99.5	100.0	32.12	9.88	24.73
107.6	108.1	32.17	9.87	24.76

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM

LAT N 48 50.05

DATE 12/ 2/81

TIME (PST) 0110

TAPE: UD1166 -395

LONG W 125 15.80

PASS NO.169

STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.7	3.7	30.82	8.66	23.90	
5.0	5.0	30.83	8.65	23.91	
9.9	9.9	30.83	8.64	23.91	
15.0	15.1	30.82	8.59	23.91	
19.8	19.9	30.82	8.56	23.92	
25.0	25.1	30.80	8.60	23.90	
30.0	30.1	31.01	9.14	23.98	
34.7	34.9	31.16	8.98	24.12	
39.8	40.0	31.24	8.78	24.21	
44.9	45.1	31.28	8.80	24.24	
49.8	50.0	31.42	8.95	24.32	5.60
59.7	60.0	31.58	9.15	24.42	
69.8	70.1	31.68	9.28	24.48	
74.7	75.1	31.74	9.32	24.52	5.65
79.6	79.9	31.76	9.39	24.52	
89.7	90.2	31.87	9.50	24.59	5.65
99.1	99.6	32.04	9.71	24.69	

CRUISE NO: 18 ALBERNI PROGRAM

LAT N 48 44.80

DATE 12/ 2/81

TIME (PST) 0205

TAPE: UD1166 -396

LONG W 125 21.60

PASS NO.171

STN: A15

DEPTH	PRESS	SAL	TEMP	SIGMA-T
4.0	4.0	31.23	8.21	24.28
5.0	5.0	31.22	8.22	24.28
10.1	10.1	31.23	8.22	24.29
14.8	14.9	31.23	8.22	24.29
19.9	20.0	31.25	8.25	24.30
24.9	25.1	31.32	8.30	24.34
29.7	29.9	31.35	8.35	24.36
34.8	35.0	31.49	8.52	24.45
39.7	39.9	31.56	8.61	24.49
44.8	45.1	31.58	8.62	24.50
49.8	50.0	31.59	8.63	24.51
59.7	60.0	31.66	8.77	24.54
69.6	70.0	31.72	8.87	24.57
79.5	79.9	31.85	9.20	24.62
89.6	90.1	32.00	9.43	24.71
98.6	99.1	32.13	9.58	24.78

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 48 48.20
 DATE 12/ 2/81
 TIME (PST) 0245

TAPE: U01166 -397
 LONG W 125 14.40
 PASS NO.173
 STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.9	4.0	30.85	8.44	23.95
5.0	5.0	30.86	8.44	23.96
10.0	10.0	30.85	8.44	23.96
14.9	15.0	30.86	8.43	23.97
19.8	19.9	30.91	8.38	24.01
24.8	24.9	31.21	8.67	24.20
29.9	30.0	31.39	8.91	24.31
34.8	35.0	31.48	8.94	24.37
39.8	40.0	31.49	8.91	24.39
41.4	41.6	31.50	8.89	24.40

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 48 51.50
 DATE 12/ 2/81
 TIME (PST) 0328

TAPE: U01166 -398
 LONG W 125 8.10
 PASS NO.175
 STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.5	2.6	30.83	8.76	23.89	
5.0	5.0	30.83	8.81	23.89	
10.0	10.0	30.91	8.71	23.96	
15.0	15.1	30.89	8.69	23.95	
20.0	20.0	30.89	8.68	23.95	
25.0	25.1	31.03	8.76	24.05	
29.7	29.9	31.14	8.85	24.12	
35.1	35.2	31.21	9.04	24.14	
39.9	40.1	31.38	9.79	24.16	
44.7	44.9	31.50	10.01	24.22	
49.7	49.9	31.55	10.03	24.26	4.78
59.8	60.0	31.78	10.11	24.42	
69.8	70.1	31.95	9.99	24.57	
74.6	75.0	31.96	9.98	24.59	3.82
79.6	79.9	31.99	9.96	24.61	
89.6	90.1	32.07	9.87	24.69	
100.3	100.9	32.12	9.83	24.73	3.12
110.3	110.8	32.16	9.76	24.78	
120.3	120.9	32.33	9.52	24.94	
125.4	126.0	32.54	9.19	25.16	2.34
130.2	130.9	32.57	9.12	25.20	
136.9	137.6	32.60	9.08	25.23	

COASTAL ZONE OCEANOGRAPHY
CRUISE NO: 18 ALBERNI PROGRAM
LAT N 48 53.78
DATE 12/ 2/81
TIME (PST) 0424

TAPE: UQ1166 -399
LONG W 125 3.05
PASS NO.177
STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.1	3.1	31.58	9.30	8.81
5.0	5.0	30.49	9.29	23.55
10.0	10.0	30.57	9.37	23.59
15.0	15.0	30.88	9.30	23.85
20.0	20.1	31.11	9.47	24.00
25.0	25.0	31.10	9.30	24.03
29.9	29.9	31.20	9.67	24.04
34.9	35.0	31.44	10.08	24.16
39.9	40.0	31.48	10.06	24.19
45.0	45.1	31.55	10.02	24.26
49.8	50.0	31.62	10.01	24.32
59.7	59.9	31.79	9.97	24.45
69.8	70.1	31.87	9.95	24.52
79.6	79.9	31.98	9.89	24.62
89.6	90.0	32.04	9.87	24.67
99.6	100.1	32.21	9.72	24.82
110.4	110.9	32.33	9.52	24.95
120.4	121.0	32.56	9.14	25.19
130.4	131.0	32.67	8.94	25.30
140.2	140.9	32.71	8.86	25.35
150.4	151.2	32.72	8.82	25.37
159.1	159.9	32.74	8.80	25.38

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 18 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 12/ 2/81
 TIME (PST) 0504

TAPE: U01166 -400
 LONG W 125 1.30
 PASS NO.179
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T
5.0	5.0	29.36	8.89	22.73
10.0	10.0	29.99	9.12	23.18
14.9	15.0	30.36	9.40	23.43
19.9	20.0	31.04	9.71	23.91
24.9	25.0	31.16	9.70	24.01
29.9	30.0	31.24	9.67	24.07
34.9	35.0	31.34	9.79	24.13
39.8	39.9	31.36	9.76	24.15
44.8	45.0	31.51	9.66	24.28
49.8	50.1	31.59	9.65	24.35
59.7	60.0	31.61	9.66	24.37
69.7	70.0	31.81	9.79	24.50
79.6	80.0	31.95	9.95	24.58
89.5	89.9	32.02	9.91	24.65
99.6	100.1	32.19	9.71	24.80
110.4	111.0	32.29	9.55	24.91
120.5	121.1	32.45	9.28	25.08
130.1	130.8	32.61	9.02	25.25
140.4	141.1	32.69	8.88	25.33
150.3	151.1	32.74	8.78	25.39
160.1	161.0	32.77	8.73	25.41
170.1	171.0	32.79	8.67	25.44
180.1	181.1	32.79	8.66	25.44
189.9	191.0	32.80	8.66	25.45
199.9	201.1	32.80	8.65	25.45
224.7	226.0	32.80	8.65	25.45
232.6	234.0	32.80	8.65	25.45

COASTAL ZONE OCEANOGRAPHY
CRUISE NO: 19 ALBERNI PROGRAM
LAT N 48 53.78
DATE 11/ 3/81
TIME (PST) 0603

TAPE: U01166 -401
LONG W 125 3.05
PASS NO. 21
STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.5	3.5	26.76	9.60	20.59
5.0	5.0	27.37	9.63	21.06
9.9	9.9	29.41	9.55	22.67
15.0	15.0	30.12	9.20	23.27
19.9	20.0	30.36	9.15	23.47
24.9	25.0	30.46	9.15	23.54
30.0	30.1	30.51	9.21	23.57
34.9	35.0	30.64	9.36	23.65
39.9	40.1	30.78	9.44	23.75
44.8	44.9	30.93	9.48	23.86
49.9	50.1	31.18	9.61	24.03
59.8	60.0	31.37	9.71	24.17
69.7	70.0	31.71	9.82	24.41
79.7	80.0	31.87	9.80	24.55
89.7	90.1	31.96	9.78	24.61
99.5	100.0	32.01	9.76	24.66
110.4	111.0	32.16	9.64	24.79
120.4	121.0	32.30	9.46	24.94
130.3	130.9	32.61	9.01	25.24
140.3	141.0	32.64	8.95	25.28
150.3	151.1	32.66	8.91	25.31
160.0	160.8	32.67	8.89	25.32
167.1	168.0	32.69	8.87	25.33

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 19 ALBERNI PROGRAM
 LAT N 48 51.50
 DATE 11/ 3/81
 TIME (PST) 0645

TAPE: U01166 -402
 LONG W 125 8.10
 PASS NO. 23
 STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.6	3.7	29.38	9.29	22.68	
5.0	5.0	29.46	9.28	22.74	
9.9	9.9	29.89	9.22	23.09	
14.9	15.0	30.09	9.12	23.26	
20.0	20.1	30.29	9.04	23.43	
24.9	25.0	30.46	9.06	23.56	
29.9	30.0	30.71	9.18	23.74	
34.8	34.9	30.87	9.40	23.82	
39.9	40.0	30.97	9.49	23.89	
44.8	45.0	31.20	9.63	24.05	
49.8	50.0	31.34	9.72	24.14	5.15
59.8	60.0	31.64	9.83	24.36	
69.7	70.0	31.82	9.83	24.50	
74.6	75.0	31.86	9.82	24.53	4.10
79.5	79.9	31.86	9.82	24.54	
89.7	90.1	31.96	9.77	24.62	
99.5	100.0	32.06	9.70	24.71	2.81
110.4	110.9	32.47	9.23	25.11	
115.4	116.0	32.53	9.16	25.16	1.50
118.4	119.0	32.54	9.14	25.17	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 19 ALBERNI PROGRAM

LAT N 48 48.20

DATE 11/ 3/81

TIME (PST) 0738

TAPE: U01166 -403

LONG W 125 14.40

PASS NO. 25

STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.6	3.6	28.87	9.27	22.28
5.1	5.1	29.26	9.28	22.59
10.0	10.1	30.03	9.07	23.22
15.5	15.5	30.40	9.03	23.51
20.0	20.1	30.47	9.00	23.58
25.0	25.1	30.63	8.94	23.71
29.9	30.0	30.82	9.03	23.84
34.8	35.0	31.03	8.98	24.01
39.7	39.9	31.25	9.21	24.15
39.7	39.9	31.25	9.21	24.15

CRUISE NO: 19 ALBERNI PROGRAM

LAT N 48 44.80

DATE 11/ 3/81

TIME (PST) 0811

TAPE: U01166 -404

LONG W 125 21.60

PASS NO. 27

STN: A15

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.4	3.4	30.13	8.85	23.33
5.0	5.0	30.54	8.76	23.66
9.9	10.0	30.79	8.66	23.88
15.0	15.0	30.85	8.61	23.93
20.0	20.1	30.86	8.62	23.94
24.8	24.9	30.88	8.62	23.95
29.8	30.0	30.90	8.61	23.97
35.7	35.8	30.92	8.60	23.99
39.9	40.1	30.98	8.61	24.03
44.7	44.9	31.06	8.65	24.09
50.0	50.2	31.08	8.65	24.10
59.6	59.9	31.09	8.65	24.11
69.6	69.9	31.61	9.12	24.45
79.6	80.0	31.84	9.40	24.58
89.6	90.0	32.20	9.86	24.79
99.2	99.7	32.65	9.28	25.24

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 19 ALBERNI PROGRAM
 LAT N 48 50.05
 DATE 11/ 3/81
 TIME (PST) 0905

TAPE: UD1166 -405
 LONG W 125 15.80
 PASS NO. 29
 STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
4.9	4.9	28.56	9.43	22.02	
10.1	10.1	29.18	9.51	22.49	
15.1	15.1	30.06	9.22	23.22	
19.9	19.9	30.24	8.92	23.41	
25.0	25.0	30.49	8.84	23.61	
29.9	30.0	30.73	9.13	23.76	
34.8	34.9	30.96	9.13	23.94	
40.4	40.6	31.08	9.15	24.03	
44.9	45.1	31.32	9.34	24.19	
49.7	49.9	31.41	9.39	24.25	5.69
59.6	59.9	31.72	9.62	24.46	
69.7	70.0	31.92	9.74	24.59	
74.6	75.0	31.99	9.81	24.63	5.64
79.6	80.0	32.05	9.87	24.67	
90.6	91.0	32.07	9.82	24.70	
99.6	100.0	32.27	9.95	24.83	

CRUISE NO: 19 ALBERNI PROGRAM
 LAT N 48 54.15
 DATE 11/ 3/81
 TIME (PST) 0948

TAPE: UD1166 -406
 LONG W 125 12.95
 PASS NO. 31
 STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.2	3.2	27.80	9.57	21.41
5.0	5.0	28.28	9.45	21.80
9.9	9.9	29.86	9.30	23.06
15.0	15.1	30.21	9.19	23.34
20.0	20.0	30.48	9.42	23.52
24.8	24.9	30.64	9.42	23.64
29.9	30.1	30.70	9.26	23.71
34.9	35.0	30.89	9.37	23.85
39.8	40.0	31.01	9.31	23.95
44.7	44.9	31.15	9.42	24.04
49.7	49.9	31.28	9.52	24.13
59.8	60.0	31.72	9.77	24.43
69.8	70.1	31.89	9.85	24.55
79.7	80.1	32.07	9.98	24.67
89.5	90.0	32.16	10.05	24.73
100.4	100.9	32.23	10.07	24.78
103.3	103.8	32.24	10.07	24.79

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 19 ALBERNI PROGRAM

LAT N 48 58.20

DATE 11/ 3/81

TIME (PST) 1028

TAPE: U01166 -407

LONG W 125 7.80

PASS NO. 33

STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.4	3.4	27.86	9.55	21.46	
10.0	10.0	27.97	9.53	21.54	
14.9	15.0	30.23	9.34	23.34	
20.0	20.1	30.40	9.01	23.52	
24.9	25.0	30.56	9.30	23.60	
29.8	29.9	30.76	9.37	23.75	
34.8	34.9	30.82	9.39	23.79	
39.9	40.1	30.99	9.44	23.92	
44.9	45.1	31.12	9.49	24.01	
49.7	49.9	31.25	9.56	24.10	5.36
59.8	60.0	31.64	9.74	24.38	
69.8	70.1	31.85	9.82	24.53	
74.7	75.0	32.00	9.90	24.63	4.84
79.6	79.9	32.06	9.97	24.67	
89.6	90.0	32.13	9.97	24.72	5.16
96.5	97.0	32.22	10.09	24.77	

CRUISE NO: 19 ALBERNI PROGRAM

LAT N 48 57.72

DATE 11/ 3/81

TIME (PST) 1100

TAPE: U01166 -408

LONG W 125 4.48

PASS NO. 35

STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.2	3.2	27.51	9.57	21.18
5.3	5.3	29.15	9.53	22.46
10.0	10.0	29.97	9.49	23.11
15.0	15.1	30.23	9.41	23.32
19.9	20.0	30.53	9.29	23.58
24.8	24.9	30.61	9.28	23.64
29.8	30.0	30.75	9.27	23.75
34.8	35.0	30.86	9.32	23.83
39.8	40.0	31.10	9.47	23.99
44.9	45.0	31.29	9.58	24.12
49.8	50.0	31.42	9.64	24.22
59.8	60.0	31.66	9.74	24.39
69.6	69.9	31.85	9.81	24.52
79.6	79.9	32.07	9.97	24.67
90.2	90.6	32.15	10.01	24.72
90.2	90.6	32.15	10.01	24.72

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 19 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 11/ 3/81
 TIME (PST) 1123

TAPE: UD1166 -409
 LONG W 125 1.30
 PASS NO. 37
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.4	3.4	22.84	9.48	17.55	
5.0	5.0	26.19	9.52	20.15	
9.9	9.9	29.66	9.53	22.87	
15.0	15.0	30.29	9.41	23.37	
20.0	20.1	30.46	9.37	23.51	
25.0	25.1	30.50	9.36	23.54	
29.9	30.0	30.63	9.31	23.65	
34.9	35.0	30.83	9.40	23.80	
39.9	40.0	30.98	9.50	23.90	
44.8	44.9	31.18	9.66	24.03	
49.8	50.0	31.34	9.80	24.13	4.80
59.8	60.0	31.60	9.75	24.34	
69.7	70.0	31.83	9.80	24.51	
74.8	75.1	31.86	9.80	24.54	4.61
79.7	80.0	31.91	9.81	24.57	
89.6	90.0	31.97	9.85	24.62	
99.6	100.1	32.10	9.86	24.72	4.54
109.6	110.1	32.21	9.81	24.81	
120.5	121.1	32.36	9.48	24.98	
125.3	125.9	32.45	9.29	25.08	2.41
130.4	131.0	32.55	9.11	25.18	
140.3	141.0	32.63	8.96	25.27	
150.2	150.9	32.67	8.89	25.31	1.45
160.1	160.9	32.70	8.83	25.34	
170.2	171.1	32.72	8.79	25.37	
179.9	180.9	32.72	8.78	25.37	
190.1	191.2	32.72	8.78	25.37	
199.9	201.0	32.73	8.77	25.37	1.40
224.8	226.0	32.73	8.76	25.38	
243.4	244.8	32.74	8.75	25.39	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 19 ALBERNI PROGRAM
 LAT N 48 58.78
 DATE 11/ 3/81
 TIME (PST) 1208

TAPE: U01166 -410
 LONG W 124 57.80
 PASS NO. 39
 STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.6	.6	23.75	9.36	18.27
2.8	2.8	23.79	9.45	18.30
5.0	5.0	28.46	9.49	21.93
9.9	10.0	29.97	9.51	23.11
14.9	14.9	30.21	9.46	23.30
20.0	20.0	30.36	9.43	23.43
24.9	25.0	30.52	9.33	23.56
29.9	29.9	30.67	9.40	23.67
34.9	35.0	30.77	9.39	23.75
39.8	40.0	30.87	9.46	23.82
44.9	45.0	31.04	9.58	23.93
49.8	50.0	31.13	9.68	23.99
59.7	59.9	31.49	9.91	24.23
69.8	70.1	31.76	9.81	24.46
79.7	80.0	31.89	9.79	24.56
89.6	90.0	31.99	9.77	24.65
99.6	100.1	32.08	9.82	24.71
110.5	111.0	32.19	9.75	24.80
119.5	120.1	32.30	9.53	24.93
130.2	130.9	32.57	9.03	25.21
140.3	141.0	32.64	8.90	25.29
150.1	150.8	32.66	8.86	25.31
160.3	161.1	32.70	8.81	25.35
170.2	171.1	32.73	8.74	25.38
180.1	181.1	32.74	8.72	25.40
188.8	189.8	32.76	8.68	25.42

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 19 ALBERNI PROGRAM

LAT N 48 59.58

DATE 11/ 3/81

TIME (PST) 1248

TAPE: U01166 -411

LONG W 124 53.38

PASS NO. 41

STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
5.0	5.0	29.24	9.45	22.54	
10.0	10.0	30.13	9.46	23.24	
15.0	15.1	30.28	9.45	23.36	
19.9	19.9	30.42	9.44	23.47	
24.8	24.9	30.65	9.45	23.65	
29.9	30.0	30.81	9.47	23.76	
35.0	35.1	30.95	9.58	23.86	
39.8	39.9	31.11	9.76	23.95	
45.0	45.1	31.24	9.93	24.03	
49.8	50.0	31.43	9.99	24.17	4.12
59.7	59.9	31.62	9.91	24.33	
69.8	70.1	31.80	9.85	24.48	
74.7	75.0	31.86	9.83	24.53	4.05
79.5	79.9	31.88	9.83	24.55	
89.6	90.0	31.97	9.78	24.62	
99.6	100.1	32.04	9.73	24.69	3.77
110.4	110.9	32.13	9.67	24.76	
119.5	120.1	32.18	9.59	24.82	
125.4	126.1	32.25	9.51	24.89	2.94
130.4	131.0	32.47	9.21	25.10	
140.2	140.9	32.64	8.90	25.29	
150.2	151.0	32.68	8.83	25.33	1.85
160.3	161.1	32.71	8.78	25.36	
170.2	171.1	32.73	8.74	25.39	
180.1	181.0	32.76	8.70	25.41	
190.1	191.1	32.76	8.68	25.42	
200.0	201.1	32.76	8.68	25.42	1.52
224.7	225.9	32.82	8.59	25.48	
249.5	250.9	32.83	8.57	25.49	1.47
275.5	277.1	32.83	8.56	25.49	
290.2	292.0	32.84	8.55	25.50	1.49
296.1	297.8	32.84	8.56	25.50	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 19 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 11/ 3/81
 TIME (PST) 1351

TAPE: U01166 -412
 LONG W 124 51.11
 PASS NO. 43
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.8	2.8	23.42	9.61	17.98
5.0	5.0	27.39	9.49	21.10
10.2	10.2	29.99	9.47	23.13
14.9	15.0	30.28	9.51	23.35
19.9	20.0	30.53	9.57	23.53
25.0	25.1	30.67	9.56	23.64
29.8	29.9	30.86	9.66	23.78
35.0	35.1	30.98	9.77	23.86
40.0	40.1	31.13	9.88	23.96
44.9	45.0	31.22	9.90	24.02
49.9	50.1	31.37	9.93	24.13
59.8	60.0	31.61	9.95	24.31
69.8	70.1	31.88	9.95	24.53
79.8	80.1	31.99	9.91	24.62
89.6	90.0	32.07	9.84	24.69
99.6	100.0	32.18	9.69	24.81
110.4	111.0	32.31	9.48	24.94
119.6	120.1	32.50	9.16	25.14
130.4	131.1	32.61	8.96	25.26
140.4	141.1	32.67	8.86	25.32
150.3	151.1	32.69	8.83	25.34
160.2	161.1	32.71	8.79	25.36
170.1	171.0	32.73	8.76	25.38
180.0	181.0	32.75	8.71	25.40
189.9	190.9	32.78	8.65	25.44
199.9	201.0	32.80	8.61	25.46
205.9	207.0	32.82	8.57	25.48

COASTAL ZONE OCEANOGRAPHY
CRUISE NO: 19 ALBERNI PROGRAM
LAT N 49 5.50
DATE 11/ 3/81
TIME (PST) 1423

TAPE: U01166 -413
LONG W 124 49.50
PASS NO. 45
STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.0	3.0	14.77	9.75	11.24
5.0	5.0	27.77	9.52	21.39
10.1	10.1	30.09	9.53	23.19
15.0	15.0	30.38	9.56	23.42
19.9	19.9	30.54	9.59	23.54
25.0	25.1	30.71	9.67	23.66
29.8	29.9	30.80	9.73	23.72
35.0	35.1	30.92	9.79	23.81
40.0	40.1	31.19	9.88	24.00
44.9	45.0	31.22	9.89	24.02
49.8	49.9	31.31	9.91	24.09
59.8	60.0	31.39	9.93	24.15
69.8	70.1	31.50	9.95	24.23
79.7	80.0	31.56	9.96	24.28
89.6	89.9	31.65	9.96	24.35
99.6	100.0	31.65	9.96	24.35
110.5	111.0	31.65	9.97	24.35
118.6	119.1	31.65	9.97	24.35

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 19 ALBERNI PROGRAM
 LAT N 49 7.15
 DATE 11/ 3/81
 TIME (PST) 1444

TAPE: UD1166 -414
 LONG W 124 48.80
 PASS NO. 47
 STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.2	.2	11.86	9.78	8.97	
3.6	3.6	12.56	9.36	9.56	
4.9	4.9	25.17	9.40	19.38	
9.9	9.9	29.68	9.52	22.88	
15.1	15.1	30.09	9.57	23.19	
20.0	20.0	30.12	9.57	23.21	
24.9	25.0	30.33	9.62	23.37	
29.9	30.0	30.72	9.73	23.66	
35.0	35.1	30.98	9.81	23.84	
40.0	40.1	31.03	9.83	23.88	
44.8	44.9	31.14	9.87	23.96	
49.9	50.0	31.17	9.88	23.98	3.77
59.9	60.1	31.22	9.91	24.02	
69.8	70.0	31.32	9.96	24.09	
74.8	75.1	31.41	10.12	24.13	2.71
79.6	79.9	31.43	9.96	24.17	
89.7	90.1	31.57	9.93	24.29	
99.6	100.0	31.77	9.89	24.45	1.45
109.5	109.9	31.80	9.87	24.48	
119.6	120.1	31.84	9.83	24.51	
124.5	125.0	31.86	9.81	24.53	1.10
130.5	131.0	31.87	9.80	24.55	
140.3	140.9	31.88	9.79	24.56	
142.3	143.0	31.88	9.79	24.56	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 19 ALBERNI PROGRAM
 LAT N 49 9.91
 DATE 11/ 3/81
 TIME (PST) 1531

TAPE: U01166 -415
 LONG W 124 48.62
 PASS NO. 49
 STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.2	3.2	20.14	9.48	15.45	
5.1	5.1	25.36	9.46	19.52	
10.0	10.0	29.96	9.58	23.09	
15.0	15.0	30.28	9.65	23.33	
20.0	20.0	30.54	9.79	23.51	
25.0	25.1	30.74	9.88	23.65	
29.9	30.0	31.03	10.11	23.84	
34.9	35.0	31.17	10.18	23.93	
39.9	40.0	31.23	10.20	23.98	
44.8	44.9	31.29	10.22	24.02	
49.9	50.1	31.34	10.20	24.06	2.04
59.9	60.1	31.37	10.17	24.09	
69.9	70.1	31.44	10.14	24.15	
74.8	75.1	31.54	10.05	24.24	2.32
79.8	80.1	31.60	10.00	24.30	
89.7	90.1	31.74	9.90	24.43	
99.6	100.0	31.77	9.88	24.45	1.32
110.4	110.9	31.79	9.87	24.47	
114.6	115.2	31.80	9.86	24.48	

CRUISE NO: 19 ALBERNI PROGRAM
 LAT N 49 12.16
 DATE 11/ 3/81
 TIME (PST) 1602

TAPE: U01166 -416
 LONG W 124 49.02
 PASS NO. 51
 STN: A0

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.3	3.3	16.11	9.34	12.33
5.0	5.0	22.12	9.37	17.00
10.0	10.0	30.03	9.65	23.13
15.0	15.0	30.41	9.94	23.38
20.1	20.1	30.78	10.19	23.63
25.0	25.0	30.95	10.18	23.76
29.9	30.0	31.01	10.21	23.80
34.9	35.0	31.15	10.25	23.91
38.7	38.8	31.20	10.24	23.95

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 20 ALBERNI PROGRAM
 LAT N 49 12.16
 DATE 22/ 4/81
 TIME (PST) 0946

TAPE: U01166 -417
 LONG W 124 49.02
 PASS NO. 1
 STN: A0

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.5	2.5	8.02	11.29	5.82
5.0	4.9	10.52	11.21	7.76
10.1	10.0	28.05	10.06	21.52
15.1	15.0	30.89	10.05	23.74
20.1	20.0	31.20	10.05	23.98
25.0	25.0	31.39	10.08	24.12
30.0	30.0	31.50	10.02	24.22
35.0	35.0	31.63	9.94	24.33
40.0	40.0	31.70	9.90	24.39
45.0	45.1	31.75	9.87	24.44
49.9	50.0	31.78	9.85	24.47
53.5	53.6	31.80	9.84	24.48

CRUISE NO: 20 ALBERNI PROGRAM
 LAT N 49 9.91
 DATE 22/ 4/81
 TIME (PST) 1013

TAPE: U01166 -418
 LONG W 124 48.62
 PASS NO. 3
 STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.7	3.6	9.50	11.11	6.98	
5.0	4.9	10.82	10.96	8.02	
10.1	10.0	28.98	9.98	22.26	
15.0	15.0	31.08	9.94	23.90	
20.1	20.1	31.30	9.99	24.07	
24.9	24.9	31.44	10.03	24.17	
30.0	30.0	31.55	9.98	24.26	
34.9	34.9	31.61	9.94	24.32	
40.0	40.0	31.69	9.90	24.39	
45.0	45.1	31.73	9.87	24.43	
49.9	50.0	31.76	9.86	24.45	3.04
59.8	59.9	31.81	9.84	24.49	
69.9	70.1	31.84	9.82	24.52	
74.7	75.0	31.85	9.82	24.53	3.29
79.8	80.1	31.87	9.82	24.54	
89.7	90.0	31.88	9.82	24.55	
99.6	100.0	31.89	9.81	24.56	3.34
108.4	108.9	31.89	9.82	24.56	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 20 ALBERNI PROGRAM

LAT N 49 7.15

DATE 22/ 4/81

TIME (PST) 1054

TAPE: U01166 -419

LONG W 124 48.80

PASS NO. 5

STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.6	3.6	17.77	10.69	13.45	
5.1	5.0	20.07	10.56	15.25	
10.0	9.9	29.85	9.96	22.94	
15.0	15.0	30.93	9.83	23.81	
19.9	20.0	31.18	9.84	24.00	
24.9	25.0	31.36	9.85	24.13	
29.9	29.9	31.48	9.92	24.22	
34.9	35.0	31.57	9.91	24.29	
39.9	40.0	31.69	9.90	24.38	
44.9	45.1	31.71	9.88	24.41	
49.8	50.0	31.75	9.86	24.44	2.96
59.7	60.0	31.81	9.83	24.49	
69.7	70.0	31.83	9.81	24.51	
74.7	75.0	31.85	9.81	24.53	3.41
79.7	80.0	31.86	9.80	24.53	
89.7	90.1	31.87	9.80	24.54	
100.4	100.9	31.88	9.79	24.56	3.48
109.7	110.2	31.89	9.78	24.56	
119.6	120.1	31.89	9.78	24.56	
125.4	126.0	31.89	9.78	24.56	3.46
127.5	128.1	31.89	9.78	24.57	

CRUISE NO: 20 ALBERNI PROGRAM

LAT N 49 5.50

DATE 22/ 4/81

TIME (PST) 1129

TAPE: U01166 -420

LONG W 124 49.50

PASS NO. 7

STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
4.0	3.9	14.94	10.80	11.24
5.1	5.1	17.06	10.64	12.90
10.1	10.0	24.56	10.23	18.78
15.1	15.0	31.19	9.81	24.01
19.9	19.9	31.39	9.81	24.16
25.0	25.0	31.51	9.80	24.26
30.0	30.1	31.67	9.80	24.39
35.0	35.1	31.72	9.79	24.43
40.0	40.1	31.91	9.76	24.58
44.9	45.0	32.04	9.71	24.69
49.9	50.1	32.16	9.67	24.79
59.8	60.0	32.16	9.67	24.79
69.7	70.0	32.17	9.66	24.80
79.7	80.1	32.18	9.66	24.81
89.7	90.0	32.19	9.65	24.82
99.6	100.1	32.19	9.65	24.82
104.3	104.8	32.19	9.65	24.82

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 20 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 22/ 4/81
 TIME (PST) 1202

TAPE: U01166 -421
 LONG W 124 51.11
 PASS NO. 9
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.1	3.0	16.97	10.69	12.82
5.0	5.0	18.78	10.60	14.24
10.1	10.0	30.87	9.68	23.78
15.0	15.0	31.21	9.70	24.04
20.0	20.0	31.39	9.84	24.16
25.0	25.0	31.58	9.84	24.31
29.9	29.9	31.76	9.81	24.46
34.9	35.0	31.83	9.80	24.51
39.8	40.0	31.89	9.79	24.56
44.8	45.0	31.99	9.76	24.64
49.8	50.0	32.09	9.71	24.73
59.7	59.9	32.21	9.62	24.84
69.7	70.0	32.25	9.58	24.88
79.7	80.1	32.32	9.51	24.94
89.7	90.1	32.37	9.48	24.98
99.6	100.1	32.41	9.45	25.02
109.5	110.0	32.45	9.38	25.06
120.4	121.0	32.49	9.37	25.10
130.4	131.0	32.51	9.24	25.14
140.2	140.9	32.55	9.13	25.18
150.2	151.0	32.58	9.06	25.22
160.2	161.0	32.64	8.94	25.28
170.1	171.0	32.67	8.89	25.31
180.0	180.9	32.68	8.85	25.33
190.0	191.0	32.71	8.80	25.36
199.9	201.0	32.74	8.75	25.39
224.7	226.0	32.76	8.72	25.41
249.6	251.1	32.76	8.71	25.41
275.3	277.0	32.76	8.70	25.42
292.0	293.8	32.77	8.69	25.42

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 20 ALBERNI PROGRAM
 LAT N 48 59.58
 DATE 22/ 4/81
 TIME (PST) 1254

TAPE: U01166 -422
 LONG W 124 53.38
 PASS NO. 11
 STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.6	3.5	18.05	10.92	13.63	
5.0	4.9	22.66	10.58	17.25	
10.0	10.0	29.71	9.81	22.86	
15.1	15.1	30.99	9.50	23.91	
20.0	20.1	31.19	9.63	24.04	
25.0	25.0	31.43	9.80	24.20	
30.0	30.0	31.65	9.85	24.36	
35.0	35.1	31.78	9.83	24.47	
39.7	39.9	31.83	9.81	24.51	
44.9	45.1	31.93	9.76	24.60	
49.8	49.9	32.02	9.71	24.68	4.51
59.8	60.1	32.15	9.66	24.78	
69.7	70.0	32.19	9.64	24.82	
74.8	75.1	32.26	9.60	24.88	4.32
79.6	80.0	32.27	9.59	24.89	
89.5	89.9	32.32	9.57	24.94	
100.5	100.9	32.42	9.54	25.02	4.44
110.5	111.0	32.46	9.52	25.05	
120.5	121.1	32.48	9.48	25.07	
125.5	126.1	32.49	9.50	25.08	4.15
130.3	131.0	32.51	9.47	25.09	
140.4	141.1	32.54	9.37	25.14	
150.1	150.9	32.56	9.23	25.18	3.06
160.2	161.1	32.59	9.07	25.23	
170.2	171.1	32.63	8.99	25.27	
180.1	181.0	32.70	8.86	25.34	
190.1	191.1	32.71	8.83	25.36	
199.9	201.0	32.72	8.80	25.37	1.75
224.7	225.9	32.75	8.73	25.40	
249.6	251.0	32.75	8.74	25.40	1.64
275.4	277.1	32.75	8.73	25.40	
300.2	302.0	32.76	8.72	25.41	1.54
325.1	327.1	32.76	8.72	25.41	1.52
331.8	333.8	32.76	8.72	25.41	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 20 ALBERNI PROGRAM
 LAT N 48 58.78
 DATE 22/ 4/81
 TIME (PST) 1352

TAPE: UD1166 -423
 LONG W 124 57.80
 PASS NO. 13
 STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.5	3.5	17.28	10.96	13.03
5.0	4.9	18.72	10.98	14.14
10.0	10.0	29.49	9.82	22.69
15.0	15.0	30.96	9.55	23.87
20.0	20.0	31.23	9.64	24.07
25.0	25.0	31.43	9.81	24.20
30.0	30.1	31.61	9.84	24.33
34.9	35.0	31.71	9.79	24.42
39.8	39.9	31.83	9.78	24.52
44.9	45.0	31.93	9.75	24.60
49.9	50.1	32.06	9.68	24.71
59.8	60.0	32.14	9.66	24.78
69.7	70.0	32.24	9.64	24.86
79.6	80.0	32.30	9.62	24.91
89.6	90.0	32.40	9.60	24.99
99.5	99.9	32.45	9.56	25.03
109.6	110.1	32.49	9.52	25.07
120.4	120.9	32.50	9.50	25.08
130.3	130.9	32.53	9.44	25.12
140.3	141.0	32.57	9.31	25.17
150.1	150.8	32.60	9.18	25.21
160.1	161.0	32.66	9.00	25.29
170.1	171.0	32.67	8.93	25.31
178.0	179.0	32.68	8.93	25.31

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 20 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 22/ 4/81
 TIME (PST) 1437

TAPE: U01166 -424
 LONG W 125 1.30
 PASS NO. 15
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.2	3.2	21.98	11.25	16.63	
5.0	5.0	22.22	11.25	16.81	
10.1	10.1	30.38	9.59	23.42	
15.1	15.1	31.01	9.43	23.93	
20.0	20.0	31.13	9.43	24.02	
24.9	25.0	31.41	9.63	24.21	
29.9	30.0	31.68	9.70	24.41	
34.9	35.0	31.74	9.68	24.46	
39.9	40.1	31.84	9.66	24.54	
44.9	45.0	31.94	9.65	24.63	
49.8	49.9	32.08	9.67	24.73	4.60
59.7	59.9	32.20	9.65	24.82	
69.7	70.0	32.24	9.65	24.86	
74.6	75.0	32.28	9.63	24.89	4.61
79.6	79.9	32.32	9.62	24.92	
89.5	90.0	32.39	9.60	24.98	
100.4	100.9	32.45	9.55	25.04	4.37
110.4	111.0	32.50	9.50	25.08	
120.5	121.1	32.52	9.46	25.11	
125.3	126.0	32.53	9.43	25.12	3.83
130.4	131.0	32.55	9.39	25.14	
140.3	141.0	32.58	9.27	25.19	
150.2	151.0	32.61	9.13	25.23	2.55
160.2	161.0	32.64	9.04	25.26	
170.1	171.0	32.66	8.98	25.29	
180.0	181.0	32.67	8.91	25.31	
190.0	191.0	32.68	8.88	25.32	
199.9	201.0	32.69	8.84	25.34	1.36
224.7	226.0	32.71	8.80	25.36	
229.7	231.1	32.71	8.80	25.36	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 20 ALBERNI PROGRAM
 LAT N 48 57.72
 DATE 22/ 4/81
 TIME (PST) 1520

TAPE: U01166 -425
 LONG W 125 4.48
 PASS NO. 17
 STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
5.0	5.0	24.70	11.15	18.75
10.1	10.1	27.46	10.71	20.96
14.9	15.0	30.43	9.78	23.43
20.1	20.1	30.99	9.32	23.93
25.0	25.0	31.11	9.30	24.03
29.9	30.0	31.48	9.40	24.30
34.9	35.0	31.59	9.43	24.39
39.9	40.0	31.69	9.45	24.46
44.9	45.0	31.80	9.55	24.53
49.8	50.0	31.99	9.63	24.67
59.8	60.0	32.12	9.65	24.76
69.8	70.1	32.22	9.65	24.84
79.6	79.9	32.38	9.60	24.98
89.7	90.1	32.47	9.55	25.06
99.6	100.1	32.49	9.54	25.07
110.5	111.1	32.50	9.53	25.08
120.3	120.9	32.51	9.52	25.09
125.9	126.6	32.51	9.52	25.09

CRUISE NO: 20 ALBERNI PROGRAM
 LAT N 48 58.20
 DATE 22/ 4/81
 TIME (PST) 1548

TAPE: U01166 -426
 LONG W 125 7.80
 PASS NO. 19
 STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
4.9	4.9	26.19	11.09	19.92	
10.0	10.0	28.81	10.47	22.05	
15.0	15.1	30.75	9.45	23.72	
20.0	20.0	30.94	9.31	23.89	
25.0	25.1	31.12	9.22	24.05	
29.8	29.9	31.30	9.24	24.19	
34.8	35.0	31.53	9.35	24.35	
39.9	40.0	31.67	9.51	24.44	
44.7	44.9	31.78	9.54	24.51	
49.8	50.0	31.98	9.68	24.65	4.58
59.9	60.2	32.16	9.66	24.79	
69.8	70.1	32.28	9.66	24.89	
74.8	75.1	32.34	9.65	24.94	4.72
79.7	80.0	32.39	9.63	24.98	
89.7	90.1	32.47	9.56	25.05	4.01
93.6	94.1	32.49	9.52	25.08	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 20 ALBERNI PROGRAM

LAT N 48 54.15

DATE 22/ 4/81

TIME (PST) 1640

TAPE: U01166 -427

LONG W 125 12.95

PASS NO. 21

STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
3.3	3.3	29.77	9.89	22.89
4.9	5.0	29.79	9.85	22.91
10.0	10.0	30.10	9.81	23.16
15.0	15.0	30.54	9.69	23.52
19.8	19.9	30.79	9.45	23.75
24.9	25.0	31.02	9.19	23.98
29.9	30.1	31.08	9.20	24.03
34.9	35.1	31.25	9.16	24.16
39.8	39.9	31.54	9.34	24.36
44.8	45.0	31.70	9.43	24.47
49.7	50.0	31.83	9.44	24.57
59.7	60.0	32.10	9.66	24.75
69.7	70.1	32.27	9.64	24.88
79.7	80.1	32.39	9.64	24.97
89.6	90.1	32.40	9.27	25.04
100.5	101.0	32.45	9.16	25.10
101.4	101.9	32.45	9.14	25.10

CRUISE NO: 20 ALBERNI PROGRAM

LAT N 48 50.05

DATE 22/ 4/81

TIME (PST) 1718

TAPE: U01166 -428

LONG W 125 15.80

PASS NO. 23

STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.1	3.1	30.06	10.06	23.09	
5.1	5.1	30.04	10.06	23.07	
10.0	10.0	30.31	10.03	23.29	
15.0	15.1	30.51	9.93	23.46	
19.9	20.0	30.60	9.77	23.56	
25.0	25.1	30.71	9.67	23.66	
29.9	30.0	30.99	9.36	23.92	
34.9	35.0	31.45	9.23	24.30	
39.8	40.0	31.65	9.31	24.45	
44.9	45.1	31.84	9.53	24.56	
49.8	50.0	31.89	9.59	24.59	5.02
59.7	60.0	32.06	9.60	24.72	
70.3	70.7	32.16	9.43	24.83	
74.8	75.2	32.25	9.49	24.89	4.88
79.6	80.0	32.28	9.40	24.93	
89.7	90.2	32.40	9.17	25.06	
99.4	99.9	32.50	8.98	25.17	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 20 ALBERNI PROGRAM
 LAT N 48 44.80
 DATE 22/ 4/81
 TIME (PST) 1834

TAPE: U01166 -429
 LONG W 125 21.60
 PASS NO. 25
 STN: A15

DEPTH	PRESS	SAL	TEMP	SIGMA-T
10.1	10.0	30.32	10.09	23.29
15.0	15.0	30.38	10.08	23.34
20.1	20.1	30.64	9.67	23.61
24.8	24.8	31.30	9.15	24.20
29.8	29.9	31.52	8.84	24.42
35.4	35.5	31.73	8.66	24.62
40.0	40.1	31.78	8.72	24.64
45.0	45.2	31.90	8.64	24.75
49.9	50.1	31.96	8.60	24.80
59.8	60.0	32.11	8.57	24.93
69.6	69.9	32.19	8.57	24.99
79.6	80.0	32.28	8.57	25.05
89.5	89.9	32.53	8.45	25.27
96.5	97.0	32.59	8.40	25.33

CRUISE NO: 20 ALBERNI PROGRAM
 LAT N 48 48.20
 DATE 22/ 4/81
 TIME (PST) 1926

TAPE: U01166 -430
 LONG W 125 14.40
 PASS NO. 27
 STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.4	2.4	2.46	9.95	1.63
5.2	5.1	30.16	9.97	23.18
10.0	9.9	30.22	9.94	23.24
15.0	15.0	30.56	9.81	23.52
20.0	20.0	30.81	9.62	23.74
25.0	25.0	31.16	9.35	24.06
30.0	30.1	31.53	8.89	24.42
34.9	35.0	31.54	8.96	24.42
39.9	40.0	31.54	9.01	24.41
43.8	43.9	31.64	9.24	24.46

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 20 ALBERNI PROGRAM

LAT N 48 51.50

DATE 22/ 4/81

TIME (PST) 2015

TAPE: U01166 -431

LONG W 125 8.10

PASS NO. 29

STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
3.4	3.4	27.23	10.65	20.79	
5.0	5.0	29.05	10.18	22.28	
10.0	10.0	30.34	9.74	23.36	
14.9	15.0	30.45	9.69	23.45	
19.8	19.9	30.74	9.48	23.71	
24.9	25.0	31.28	9.42	24.14	
29.9	30.0	31.57	9.39	24.37	
34.9	35.0	31.80	9.54	24.53	
39.9	40.1	31.98	9.58	24.67	
44.9	45.1	32.04	9.65	24.70	
49.8	50.0	32.12	9.66	24.76	3.82
59.8	60.1	32.22	9.59	24.85	
69.7	70.0	32.27	9.55	24.90	
74.7	75.0	32.29	9.53	24.92	3.46
79.5	79.9	32.33	9.50	24.95	
89.6	90.0	32.37	9.47	24.99	
99.5	100.0	32.41	9.46	25.02	3.54
110.4	110.9	32.46	9.41	25.06	
120.4	121.1	32.52	9.26	25.14	
125.3	126.0	32.52	9.25	25.14	2.37
128.3	129.0	32.53	9.25	25.14	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 20 ALBERNI PROGRAM
 LAT N 48 53.78
 DATE 22/ 4/81
 TIME (PST) 2118

TAPE: U01166 -432
 LONG W 125 3.05
 PASS NO. 31
 STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
4.4	4.4	25.77	11.00	19.61
5.0	5.0	26.26	10.95	19.99
9.9	9.9	29.78	9.95	22.89
14.9	14.9	30.56	9.55	23.56
20.0	20.1	30.81	9.42	23.78
24.9	25.0	31.25	9.43	24.12
29.9	30.0	31.37	9.50	24.20
35.0	35.1	31.59	9.60	24.36
39.8	40.0	31.75	9.66	24.47
44.9	45.0	31.86	9.69	24.56
49.8	50.0	32.01	9.69	24.67
59.7	60.0	32.16	9.65	24.79
69.6	69.9	32.21	9.63	24.84
79.6	80.0	32.30	9.59	24.92
89.5	90.0	32.40	9.56	24.99
99.6	100.1	32.43	9.56	25.02
110.4	111.0	32.47	9.52	25.06
119.5	120.1	32.53	9.38	25.13
130.3	131.0	32.54	9.36	25.14
140.3	141.0	32.58	9.19	25.19
150.2	151.0	32.61	9.08	25.24
160.1	160.9	32.62	9.07	25.24
169.2	170.1	32.61	9.06	25.24

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 21 ALBERNI PROGRAM
 LAT N 49 12.16
 DATE 7/ 6/81
 TIME (PST) 1352

TAPE: U01166 -433
 LONG W 124 49.02
 PASS NO. 0
 STN: A0

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.1	2.0	4.14	15.37	2.23
5.7	5.6	6.96	15.01	4.45
10.1	10.0	30.66	10.25	23.52
15.1	15.1	31.45	9.98	24.18
19.9	19.9	31.62	9.94	24.32
25.0	25.0	31.75	9.90	24.44
30.0	30.0	31.86	9.83	24.53
35.0	35.0	31.95	9.76	24.62
40.0	40.0	32.02	9.71	24.68
44.9	45.0	32.06	9.70	24.71
49.9	50.0	32.08	9.69	24.73
53.8	53.9	32.10	9.68	24.74

CRUISE NO: 21 ALBERNI PROGRAM
 LAT N 49 9.91
 DATE 7/ 6/81
 TIME (PST) 1427

TAPE: U01166 -434
 LONG W 124 48.62
 PASS NO. 0
 STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.1	2.0	9.69	15.11	6.53	
5.8	5.7	13.77	14.01	9.85	
10.1	10.0	30.85	10.18	23.69	
15.0	15.0	31.42	9.98	24.16	
20.1	20.0	31.70	9.90	24.40	
25.0	25.0	31.84	9.84	24.51	
30.1	30.2	31.95	9.76	24.61	
34.9	35.0	31.99	9.72	24.65	
39.9	40.0	32.05	9.69	24.70	
44.9	45.0	32.08	9.68	24.73	
49.9	50.0	32.10	9.67	24.74	3.14
59.8	59.9	32.12	9.66	24.76	
69.7	69.9	32.13	9.65	24.77	
74.7	75.0	32.14	9.65	24.78	3.16
79.8	80.0	32.14	9.65	24.78	
89.7	90.0	32.15	9.64	24.79	
99.6	100.0	32.16	9.64	24.79	3.13
102.5	103.0	32.16	9.64	24.79	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 21 ALBERNI PROGRAM
 LAT N 49 7.15
 DATE 7/ 6/81
 TIME (PST) 1500

TAPE: U01166 -435
 LONG W 124 48.80
 PASS NO. 0
 STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.1	2.0	10.28	14.96	7.01	
5.7	5.6	11.66	14.80	8.09	
10.1	10.0	30.17	10.44	23.11	
15.0	15.0	31.34	9.97	24.11	
20.0	20.0	31.60	9.85	24.32	
24.9	24.9	31.64	9.83	24.36	
30.0	30.1	31.79	9.77	24.49	
35.0	35.1	31.88	9.73	24.57	
39.9	40.0	31.96	9.69	24.63	
44.9	45.0	32.02	9.67	24.68	
49.8	50.0	32.04	9.67	24.70	3.22
59.8	60.0	32.09	9.67	24.74	
69.7	69.9	32.12	9.64	24.77	
74.7	74.9	32.13	9.62	24.78	3.29
79.7	80.0	32.13	9.61	24.78	
89.7	90.0	32.14	9.61	24.79	
99.6	100.0	32.15	9.60	24.79	3.32
109.5	110.0	32.15	9.60	24.80	
120.5	121.0	32.16	9.61	24.80	
125.5	126.0	32.16	9.61	24.80	3.22
130.5	131.1	32.16	9.61	24.80	
134.2	134.8	32.17	9.61	24.81	

CRUISE NO: 21 ALBERNI PROGRAM
 LAT N 49 5.50
 DATE 7/ 6/81
 TIME (PST) 1548

TAPE: U01166 -436
 LONG W 124 49.50
 PASS NO. 0
 STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.0	2.0	15.65	13.74	11.34
5.9	5.9	23.08	12.35	17.30
10.1	10.1	30.65	10.34	23.51
15.1	15.1	31.26	10.02	24.03
19.9	19.9	31.54	9.88	24.27
24.9	25.0	31.83	9.75	24.52
30.0	30.0	31.97	9.68	24.64
34.9	35.0	32.07	9.63	24.72
39.9	40.0	32.09	9.62	24.74
44.8	45.0	32.13	9.60	24.78
49.8	50.0	32.22	9.54	24.86
59.8	60.0	32.33	9.47	24.96
69.8	70.1	32.44	9.39	25.05
79.6	80.0	32.45	9.39	25.06
89.6	90.0	32.45	9.39	25.06
99.5	100.0	32.45	9.39	25.06
105.4	105.9	32.45	9.39	25.06

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 21 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 7/ 6/81
 TIME (PST) 1618

TAPE: U01166 -437
 LONG W 124 51.11
 PASS NO. 0
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.4	2.4	19.43	13.37	14.30
6.5	6.4	27.41	12.69	20.58
9.9	9.9	30.66	10.70	23.45
15.1	15.1	31.28	10.10	24.03
20.0	20.1	31.54	9.91	24.27
25.0	25.0	31.80	9.81	24.49
30.0	30.1	31.91	9.74	24.59
34.9	35.0	32.04	9.67	24.70
40.0	40.1	32.19	9.58	24.83
44.8	45.0	32.27	9.56	24.89
49.8	50.0	32.42	9.49	25.02
59.8	60.1	32.52	9.28	25.13
69.7	70.0	32.56	9.14	25.19
79.6	80.0	32.59	9.04	25.23
89.5	90.0	32.60	8.91	25.26
99.5	100.0	32.63	8.81	25.29
110.5	111.0	32.65	8.74	25.32
120.4	121.0	32.67	8.74	25.33
130.3	131.0	32.68	8.74	25.35
140.3	141.1	32.69	8.76	25.35
150.2	151.0	32.70	8.76	25.36
160.0	160.9	32.70	8.75	25.36
170.1	171.1	32.71	8.77	25.36
180.1	181.1	32.71	8.77	25.36
190.0	191.1	32.71	8.78	25.36
199.8	201.0	32.71	8.78	25.36
224.7	226.0	32.71	8.70	25.37
250.5	252.0	32.67	8.55	25.36
275.3	276.9	32.67	8.57	25.36
282.3	284.0	32.66	8.48	25.37

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 21 ALBERNI PROGRAM
 LAT N 48 59.58
 DATE 7/ 6/81
 TIME (PST) 1705

TAPE: U01166 -438
 LONG W 124 53.38
 PASS NO. 0
 STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.0	2.0	20.40	13.17	15.09	6.26
6.6	6.6	29.73	11.08	22.67	
9.9	9.9	31.06	10.53	23.79	
15.0	15.0	31.34	10.12	24.08	
19.8	19.9	31.61	9.86	24.33	
24.9	25.0	31.74	9.82	24.44	3.33
29.9	30.0	31.90	9.76	24.58	
34.9	35.0	32.00	9.70	24.66	
39.9	40.0	32.11	9.65	24.76	
44.7	44.9	32.18	9.60	24.81	
49.8	50.1	32.32	9.54	24.94	3.86
59.8	60.0	32.49	9.30	25.11	
69.6	70.0	32.54	9.14	25.17	
74.7	75.1	32.55	9.06	25.19	2.86
79.6	80.0	32.57	8.92	25.23	
89.6	90.0	32.60	8.79	25.27	
100.5	101.0	32.62	8.67	25.31	2.77
110.4	111.0	32.63	8.64	25.32	
120.4	121.1	32.63	8.62	25.33	
130.3	131.0	32.65	8.61	25.34	
140.2	141.0	32.66	8.60	25.35	
150.2	151.1	32.66	8.59	25.35	2.53
160.0	160.9	32.66	8.58	25.36	
170.0	170.9	32.67	8.60	25.36	
180.0	181.0	32.67	8.61	25.36	
190.0	191.1	32.67	8.59	25.36	
199.8	201.0	32.66	8.57	25.36	2.69
224.7	226.1	32.66	8.54	25.36	
250.5	252.0	32.66	8.52	25.36	2.69
275.3	277.0	32.66	8.51	25.37	
300.2	302.1	32.66	8.47	25.37	
325.0	327.0	32.66	8.48	25.37	
349.7	352.0	32.66	8.48	25.37	
351.7	354.0	32.66	8.48	25.37	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 21 ALBERNI PROGRAM
 LAT N 48 58.78
 DATE 7/ 6/81
 TIME (PST) 1827

TAPE: U01166 -439
 LONG W 124 57.80
 PASS NO. 0
 STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.9	1.9	18.44	13.11	13.59
5.6	5.6	24.36	13.23	18.13
10.0	10.0	31.17	10.53	23.88
15.1	15.1	31.33	10.25	24.05
19.9	20.0	31.52	9.92	24.25
24.9	25.0	31.67	9.79	24.39
29.9	30.0	31.95	9.75	24.61
34.9	35.1	32.11	9.65	24.76
40.0	40.1	32.22	9.58	24.86
44.7	44.9	32.30	9.53	24.93
49.9	50.1	32.41	9.43	25.02
59.8	60.0	32.50	9.22	25.13
69.7	70.0	32.54	9.07	25.18
79.6	80.0	32.56	8.95	25.21
89.7	90.1	32.57	8.81	25.24
99.5	100.0	32.60	8.67	25.29
110.4	111.0	32.62	8.61	25.31
120.5	121.1	32.64	8.56	25.34
130.3	131.0	32.65	8.51	25.35
140.2	140.9	32.65	8.45	25.37
150.2	151.0	32.66	8.41	25.38
160.0	160.9	32.68	8.38	25.40
170.1	171.0	32.68	8.37	25.40
180.0	181.0	32.69	8.36	25.41

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 21 ALBERNI PROGRAM

LAT N 48 57.02

DATE 7/ 6/81

TIME (PST) 1904

TAPE: U01166 -440

LONG W 125 1.30

PASS NO. 0

STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.2	2.2	23.06	13.30	17.11	
5.8	5.8	26.79	12.64	20.11	
10.0	10.0	30.89	10.90	23.60	
15.0	15.1	31.49	9.95	24.23	
20.0	20.0	31.83	9.53	24.55	
24.9	24.9	31.88	9.54	24.59	
30.0	30.1	31.97	9.69	24.64	
34.8	35.0	32.13	9.61	24.78	
39.9	40.0	32.28	9.51	24.91	
44.8	45.0	32.34	9.42	24.97	
49.7	49.9	32.41	9.21	25.06	3.21
59.8	60.1	32.48	9.06	25.13	
69.6	70.0	32.50	8.92	25.18	
74.6	75.0	32.52	8.84	25.20	3.00
79.6	80.0	32.53	8.80	25.22	
89.5	89.9	32.57	8.66	25.27	
99.5	100.0	32.59	8.59	25.30	3.12
110.3	110.9	32.62	8.54	25.32	
120.3	120.9	32.65	8.45	25.36	
125.3	126.0	32.65	8.44	25.36	2.97
130.3	131.0	32.65	8.45	25.36	
140.2	141.0	32.65	8.42	25.37	
150.1	151.0	32.66	8.42	25.37	2.94
160.0	161.0	32.66	8.42	25.38	
170.1	171.0	32.66	8.40	25.38	
180.0	181.0	32.67	8.40	25.39	
184.9	186.0	32.67	8.40	25.39	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 21 ALBERNI PROGRAM
 LAT N 48 57.72
 DATE 7/ 6/81
 TIME (PST) 1951

TAPE: UD1166 -441
 LONG W 125 4.48
 PASS NO. 0
 STN: A11

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.1	2.1	19.94	14.69	14.46
6.0	6.0	30.52	11.10	23.27
10.0	10.0	31.26	10.38	23.97
15.0	15.1	31.41	10.04	24.14
19.9	20.0	31.69	9.67	24.42
25.0	25.0	31.79	9.59	24.52
30.0	30.1	31.92	9.52	24.63
34.9	35.0	32.04	9.46	24.73
39.8	40.0	32.18	9.42	24.85
44.8	45.0	32.39	9.22	25.04
49.8	50.1	32.46	9.09	25.12
59.8	60.0	32.54	8.75	25.23
69.6	70.0	32.63	8.46	25.35
79.6	80.0	32.65	8.40	25.37
89.6	90.1	32.67	8.37	25.39
100.4	100.9	32.67	8.35	25.40
110.4	111.0	32.67	8.34	25.40
120.4	121.0	32.68	8.34	25.40
130.3	131.0	32.68	8.33	25.40
140.3	141.1	32.68	8.32	25.41
150.2	151.0	32.69	8.32	25.41
152.0	152.9	32.69	8.32	25.41

CRUISE NO: 21 ALBERNI PROGRAM
 LAT N 48 58.20
 DATE 7/ 6/81
 TIME (PST) 2026

TAPE: UD1166 -442
 LONG W 125 7.80
 PASS NO. 0
 STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.0	2.0	22.24	15.06	16.15	
5.6	5.6	23.68	14.97	17.28	
10.0	10.0	31.19	10.41	23.91	
15.0	15.0	31.43	9.88	24.19	
20.0	20.0	31.57	9.65	24.33	
25.0	25.1	31.66	9.50	24.43	
29.9	30.0	31.86	9.41	24.60	
34.8	34.9	31.94	9.40	24.67	
39.9	40.1	32.11	9.35	24.81	
44.8	44.9	32.20	9.25	24.89	
49.8	50.0	32.41	9.07	25.08	3.24
59.8	60.0	32.54	8.74	25.23	
69.7	70.0	32.63	8.44	25.35	
74.6	75.0	32.64	8.42	25.36	2.93
79.7	80.1	32.65	8.39	25.37	
87.5	87.9	32.68	8.32	25.41	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 21 ALBERNI PROGRAM
 LAT N 48 54.15
 DATE 7/ 6/81
 TIME (PST) 2117

TAPE: U01166 -443
 LONG W 125 12.95
 PASS NO. 0
 STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.0	2.0	29.57	12.71	22.25
5.7	5.7	29.63	12.69	22.30
9.9	10.0	30.42	11.82	23.07
15.0	15.1	31.09	10.82	23.77
20.0	20.1	31.55	9.85	24.29
25.0	25.1	31.70	9.49	24.46
29.9	30.0	31.85	9.41	24.59
34.8	34.9	31.92	9.36	24.66
39.8	40.0	32.05	9.35	24.75
44.8	45.0	32.10	9.28	24.81
49.9	50.1	32.18	9.18	24.89
59.6	59.9	32.51	8.76	25.21
69.7	70.0	32.62	8.41	25.35
79.6	80.0	32.68	8.31	25.41
89.6	90.1	32.74	8.20	25.47
100.5	101.0	32.78	8.13	25.51
102.2	102.8	32.78	8.13	25.51

CRUISE NO: 21 ALBERNI PROGRAM
 LAT N 48 50.05
 DATE 7/ 6/81
 TIME (PST) 2145

TAPE: U01166 -444
 LONG W 125 15.80
 PASS NO. 0
 STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
1.9	1.9	29.90	12.12	22.62	
5.6	5.6	30.42	11.73	23.09	
10.0	10.1	30.98	10.75	23.69	
15.0	15.1	31.20	10.30	23.94	
19.9	20.0	31.42	9.86	24.18	
25.1	25.2	31.64	9.53	24.40	
29.9	30.0	31.79	9.33	24.56	
34.8	35.0	31.92	9.04	24.70	
39.9	40.1	32.05	8.85	24.83	
44.7	44.9	32.08	8.84	24.86	
49.7	50.0	32.11	8.90	24.87	3.83
59.7	59.9	32.34	8.88	25.06	
69.6	69.9	32.48	8.67	25.19	
74.6	75.0	32.56	8.43	25.29	3.27
79.7	80.1	32.61	8.35	25.35	
89.6	90.1	32.63	8.30	25.37	
95.4	95.9	32.63	8.30	25.37	3.23
97.3	97.8	32.64	8.29	25.38	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 21 ALBERNI PROGRAM

LAT N 48 44.80

DATE 7/ 6/81

TIME (PST) 2235

TAPE: UD1166 -445

LONG W 125 21.60

PASS NO. 0

STN: A15

DEPTH	PRESS	SAL	TEMP	SIGMA-T
1.9	1.9	30.49	12.47	23.00
5.6	5.6	30.57	12.41	23.08
9.9	10.0	31.15	10.45	23.88
15.0	15.1	31.40	10.01	24.14
19.9	20.0	31.64	9.56	24.40
25.0	25.1	31.78	9.27	24.56
30.0	30.1	31.92	9.04	24.70
34.8	35.0	32.16	8.73	24.94
39.8	40.0	32.29	8.54	25.07
44.7	45.0	32.37	8.46	25.15
49.8	50.0	32.46	8.46	25.21
59.7	60.0	32.57	8.30	25.32
69.6	69.9	32.70	8.17	25.44
79.6	80.0	32.79	8.10	25.52
89.5	90.0	32.83	8.09	25.56
92.2	92.7	32.89	8.01	25.62

CRUISE NO: 21 ALBERNI PROGRAM

LAT N 48 48.20

DATE 7/ 6/81

TIME (PST) 2313

TAPE: UD1166 -446

LONG W 125 14.40

PASS NO. 0

STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.0	2.0	30.58	11.16	23.31
5.7	5.7	31.05	10.56	23.78
9.9	9.9	31.38	10.00	24.13
14.9	15.0	31.55	9.73	24.30
19.8	19.9	31.73	9.43	24.49
24.9	25.0	31.95	9.01	24.73
29.9	30.0	32.02	8.94	24.80
34.7	34.9	32.06	8.91	24.83
37.6	37.7	32.08	8.86	24.86

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 21 ALBERNI PROGRAM
 LAT N 48 51.50
 DATE 7/ 6/81
 TIME (PST) 2354

TAPE: U01166 -447
 LONG W 125 8.10
 PASS NO. 0
 STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.1	2.1	29.13	12.31	21.98	
5.6	5.6	29.87	11.79	22.65	
10.0	10.0	31.00	10.73	23.71	
15.0	15.0	31.34	10.19	24.07	
19.9	20.0	31.62	9.75	24.35	
24.9	25.0	31.84	9.63	24.55	
30.0	30.1	31.91	9.56	24.61	
34.8	35.0	31.98	9.56	24.67	
39.9	40.1	32.16	9.52	24.82	
44.8	45.0	32.32	9.42	24.96	
49.7	49.9	32.37	9.35	25.01	3.03
59.7	60.0	32.46	9.17	25.10	
69.6	70.0	32.51	8.94	25.18	
74.6	75.0	32.54	8.79	25.22	2.82
79.7	80.1	32.54	8.78	25.23	
89.5	90.0	32.55	8.69	25.25	
100.5	101.0	32.56	8.68	25.26	2.96
110.4	111.0	32.60	8.52	25.31	
120.4	121.0	32.62	8.49	25.33	
125.2	125.9	32.62	8.48	25.34	2.92
130.3	131.1	32.62	8.48	25.34	
136.2	137.0	32.63	8.47	25.35	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 21 ALBERNI PROGRAM
 LAT N 48 53.78
 DATE 8/ 6/81
 TIME (PST) 0044

TAPE: UQ1166 -448
 LONG W 125 3.05
 PASS NO. 0
 STN: A8

DEPTH	PRESS	SAL	TEMP	SIGMA-T
2.4	2.4	26.31	13.40	19.60
5.6	5.6	26.75	13.39	19.94
10.0	10.0	30.99	10.43	23.75
15.0	15.0	31.31	10.13	24.05
19.9	20.0	31.54	9.82	24.28
24.9	25.0	31.73	9.64	24.46
29.9	30.0	31.83	9.58	24.55
34.9	35.1	31.97	9.51	24.67
39.9	40.1	32.08	9.49	24.76
44.8	45.0	32.18	9.41	24.85
49.8	50.0	32.29	9.37	24.94
59.7	60.0	32.38	9.29	25.02
69.6	70.0	32.51	8.94	25.18
79.7	80.1	32.52	8.84	25.21
89.6	90.1	32.55	8.70	25.25
100.6	101.1	32.57	8.65	25.27
110.4	111.0	32.59	8.57	25.30
120.4	121.0	32.62	8.50	25.33
130.3	131.0	32.64	8.45	25.36
140.3	141.1	32.64	8.46	25.35
150.2	151.0	32.65	8.44	25.36
160.0	160.9	32.65	8.44	25.36
170.0	170.9	32.65	8.43	25.37
180.0	181.1	32.66	8.42	25.37
180.7	181.8	32.66	8.42	25.37

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 22 ALBERNI PROGRAM

LAT N 49 12.16

DATE 7/ 9/81

TIME (PST) 0617

TAPE: U01166 -449

LONG W 124 49.02

PASS NO. 47

STN: A0

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.5	.5	23.59	13.95	17.40
2.0	2.0	28.22	12.30	21.28
4.9	4.9	31.42	10.90	24.01
10.0	10.1	31.59	10.55	24.20
14.9	15.0	31.68	10.29	24.32
19.8	19.9	31.76	10.19	24.39
24.9	25.0	31.84	10.01	24.49
29.9	30.0	31.90	9.92	24.54
34.9	35.0	31.97	9.80	24.62
39.9	40.0	32.04	9.69	24.69
44.8	45.0	32.08	9.63	24.74
49.8	50.0	32.11	9.59	24.77
59.7	60.0	32.16	9.52	24.81
65.6	66.0	32.17	9.49	24.83

CRUISE NO: 22 ALBERNI PROGRAM

LAT N 49 9.91

DATE 7/ 9/81

TIME (PST) 0638

TAPE: U01166 -450

LONG W 124 48.62

PASS NO. 49

STN: A1

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.4	.4	24.47	13.40	18.18	
2.0	2.0	27.83	12.70	20.90	
5.0	5.0	29.81	12.21	22.53	
10.0	10.0	31.53	10.96	24.08	
15.0	15.0	31.68	10.63	24.26	
20.0	20.0	31.79	10.35	24.39	
24.9	25.0	31.87	10.16	24.49	
30.0	30.1	31.94	9.95	24.58	
34.8	35.0	32.00	9.80	24.65	
39.9	40.1	32.07	9.65	24.73	
44.8	45.0	32.11	9.60	24.76	
49.8	50.1	32.13	9.56	24.79	1.61
59.8	60.1	32.16	9.50	24.82	
69.7	70.0	32.20	9.45	24.86	
74.6	75.0	32.22	9.42	24.88	1.71
79.5	79.9	32.24	9.38	24.90	
89.5	90.0	32.25	9.36	24.91	
100.4	101.0	32.27	9.34	24.93	1.74
106.4	107.0	32.27	9.34	24.93	

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 22 ALBERNI PROGRAM

LAT N 49 7.15

DATE 7/ 9/81

TIME (PST) 0711

TAPE: U01166 -451

LONG W 124 48.80

PASS NO. 51

STN: A2

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.6	.6	11.46	17.09	7.52	
2.0	2.0	26.20	13.29	19.54	
5.0	5.0	31.24	11.23	23.81	
10.0	10.0	31.62	10.72	24.20	
15.0	15.0	31.68	10.63	24.25	
20.0	20.0	31.78	10.41	24.38	
24.9	25.0	31.85	10.27	24.45	
29.9	30.0	31.88	10.19	24.48	
34.9	35.0	31.93	10.06	24.55	
39.8	40.0	31.99	9.94	24.61	
44.8	45.0	32.07	9.77	24.70	
49.8	50.0	32.12	9.65	24.77	2.38
59.7	60.0	32.18	9.53	24.83	
69.7	70.0	32.21	9.48	24.86	
74.6	75.0	32.22	9.46	24.87	2.36
79.6	80.0	32.23	9.42	24.89	
89.6	90.0	32.25	9.39	24.90	
100.4	100.9	32.26	9.35	24.92	2.02
110.4	111.0	32.27	9.34	24.93	
120.3	121.0	32.27	9.33	24.93	
124.2	124.8	32.27	9.32	24.93	

CRUISE NO: 22 ALBERNI PROGRAM

LAT N 49 5.50

DATE 7/ 9/81

TIME (PST) 0746

TAPE: U01166 -452

LONG W 124 49.50

PASS NO. 53

STN: A3

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.3	.3	21.97	14.48	16.06
2.0	2.0	28.63	12.22	21.61
5.1	5.1	31.07	11.29	23.67
10.0	10.0	31.70	10.66	24.27
14.9	15.0	31.84	10.30	24.44
19.9	20.0	31.96	10.02	24.58
24.9	25.0	32.06	9.81	24.69
29.8	30.0	32.15	9.62	24.79
34.8	35.0	32.27	9.38	24.93
39.8	40.0	32.39	9.13	25.06
44.8	45.1	32.41	9.06	25.09
49.8	50.0	32.45	8.98	25.13
59.8	60.1	32.55	8.77	25.24
69.8	70.1	32.58	8.72	25.27
79.6	80.0	32.59	8.70	25.28
90.5	91.0	32.60	8.68	25.29
100.4	101.0	32.60	8.67	25.29
110.4	111.0	32.61	8.66	25.30
113.4	114.0	32.61	8.66	25.30

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 22 ALBERNI PROGRAM
 LAT N 49 2.70
 DATE 7/ 9/81
 TIME (PST) 0813

TAPE: U01166 -453
 LONG W 124 51.11
 PASS NO. 55
 STN: A4

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.3	.3	22.15	14.84	16.12
2.1	2.1	27.68	12.80	20.77
4.9	4.9	31.45	11.04	24.01
9.9	10.0	31.78	10.55	24.35
15.0	15.1	31.83	10.31	24.42
19.9	20.0	31.89	10.08	24.52
25.0	25.1	31.99	9.85	24.63
29.9	30.0	32.09	9.69	24.73
34.9	35.0	32.20	9.48	24.85
39.8	40.0	32.33	9.19	25.00
44.8	45.0	32.38	9.06	25.06
49.7	50.0	32.57	8.71	25.26
59.7	60.0	32.73	8.36	25.44
69.6	70.0	32.78	8.25	25.50
79.5	79.9	32.81	8.19	25.53
89.6	90.1	32.85	8.14	25.56
100.4	101.0	32.87	8.11	25.59
110.3	111.0	32.89	8.09	25.60
120.3	121.0	32.90	8.07	25.61
130.3	131.0	32.90	8.06	25.62
140.3	141.1	32.91	8.05	25.63
150.2	151.1	32.92	8.05	25.63
160.0	161.0	32.92	8.04	25.64
169.9	170.9	32.93	8.04	25.64
179.9	181.0	32.93	8.03	25.65
189.8	191.0	32.93	8.03	25.65
199.8	201.0	32.94	8.03	25.65
224.6	226.0	32.94	8.03	25.65
250.4	252.0	32.94	8.03	25.65
275.3	277.1	32.94	8.03	25.66
283.9	285.8	32.94	8.03	25.66

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 22 ALBERNI PROGRAM
 LAT N 48 59.58
 DATE 7/ 9/81
 TIME (PST) 0857

TAPE: U01166 -454
 LONG W 124 53.38
 PASS NO. 57
 STN: A5

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.4	.4	18.66	16.24	13.18	
2.0	2.0	29.49	11.85	22.35	
5.0	5.0	31.70	10.76	24.25	
9.9	9.9	31.75	10.59	24.32	
14.9	15.0	31.82	10.35	24.41	
19.9	20.0	31.93	9.99	24.56	
24.9	25.0	32.01	9.79	24.66	
29.9	30.0	32.10	9.63	24.75	
34.8	35.0	32.21	9.35	24.88	
39.8	40.0	32.29	9.15	24.98	
44.8	45.0	32.41	8.96	25.10	
49.7	49.9	32.53	8.75	25.23	1.91
59.8	60.1	32.70	8.44	25.40	
69.6	70.0	32.75	8.33	25.46	
74.7	75.1	32.79	8.24	25.50	1.91
79.5	80.0	32.81	8.21	25.52	
89.5	90.0	32.85	8.14	25.56	
100.4	101.0	32.87	8.11	25.59	1.87
110.4	111.0	32.88	8.09	25.60	
120.3	121.0	32.90	8.07	25.62	
125.3	126.0	32.91	8.07	25.62	1.71
130.2	131.0	32.91	8.06	25.63	
140.2	141.0	32.92	8.05	25.64	
150.2	151.1	32.92	8.05	25.64	1.67
160.1	161.0	32.92	8.05	25.64	
170.0	171.0	32.93	8.04	25.64	
179.8	180.9	32.93	8.04	25.65	
189.8	191.0	32.93	8.03	25.65	
199.8	201.0	32.94	8.03	25.65	1.74
224.6	226.1	32.94	8.03	25.65	
250.4	252.0	32.94	8.03	25.65	1.67
275.2	277.0	32.94	8.03	25.65	
300.1	302.1	32.94	8.03	25.65	1.69
324.8	327.0	32.94	8.04	25.65	
339.7	342.0	32.94	8.04	25.65	1.62
343.5	345.8	32.94	8.04	25.65	

COASTAL ZONE OCEANOGRAPHY
CRUISE NO: 22 ALBERNI PROGRAM
LAT N 48 58.78
DATE 7/ 9/81
TIME (PST) 0958

TAPE: UD1166 -455
LONG W 124 57.80
PASS NO. 59
STN: A6

DEPTH	PRESS	SAL	TEMP	SIGMA-T
5.1	5.1	29.26	12.26	22.09
10.0	10.0	31.65	10.91	24.18
14.9	14.9	31.72	10.60	24.30
19.9	20.0	31.84	10.24	24.45
24.8	24.9	31.92	9.95	24.56
30.0	30.1	32.03	9.68	24.69
34.8	35.0	32.13	9.40	24.81
39.8	40.0	32.20	9.24	24.89
44.8	45.0	32.35	8.99	25.05
49.7	50.0	32.46	8.82	25.16
59.7	60.0	32.70	8.42	25.41
69.7	70.0	32.77	8.28	25.49
79.6	80.0	32.82	8.19	25.54
89.6	90.1	32.86	8.14	25.57
100.4	101.0	32.88	8.09	25.60
110.4	111.0	32.90	8.08	25.61
120.3	121.0	32.90	8.08	25.61
130.3	131.0	32.92	8.08	25.63
140.2	141.0	32.92	8.08	25.63
150.1	151.0	32.93	8.06	25.64
160.0	160.9	32.94	8.05	25.65
170.0	171.1	32.94	8.04	25.66
172.8	173.9	32.94	8.03	25.66

COASTAL ZONE OCEANOGRAPHY

CRUISE NO: 22 ALBERNI PROGRAM
 LAT N 48 57.02
 DATE 7/ 9/81
 TIME (PST) 1109

TAPE: U01166 -456
 LONG W 125 1.30
 PASS NO. 63
 STN: A7

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.6	.6	27.80	13.40	20.75	
2.0	2.0	28.34	13.15	21.22	
5.0	5.0	30.09	12.29	22.73	
9.9	9.9	31.69	10.75	24.24	
14.9	14.9	31.81	10.23	24.43	
19.9	20.0	31.88	10.01	24.52	
24.9	25.0	31.99	9.72	24.65	3.67
29.8	30.0	31.98	9.70	24.65	
34.9	35.1	32.11	9.40	24.79	
39.8	40.0	32.25	9.14	24.95	
44.9	45.1	32.41	8.88	25.11	
49.8	50.1	32.58	8.61	25.28	2.36
59.6	59.9	32.74	8.34	25.45	
69.7	70.0	32.78	8.26	25.49	
74.5	74.9	32.79	8.24	25.51	1.11
79.6	80.1	32.81	8.21	25.53	
90.4	90.9	32.86	8.16	25.57	
99.5	100.1	32.87	8.15	25.58	1.41
110.3	110.9	32.89	8.12	25.60	
120.3	121.0	32.91	8.10	25.62	
125.3	126.1	32.91	8.09	25.62	1.52
130.2	131.0	32.91	8.09	25.62	
140.2	141.1	32.92	8.09	25.63	
150.1	151.0	32.94	8.07	25.64	
160.2	161.1	32.94	8.06	25.65	
169.9	170.9	32.95	8.06	25.66	
174.9	176.0	32.95	8.06	25.66	1.70
179.9	181.0	32.95	8.06	25.66	
189.8	191.0	32.95	8.06	25.66	
199.7	200.9	32.95	8.06	25.66	
212.6	213.9	32.95	8.06	25.66	

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 22 ALBERNI PROGRAM
 LAT N 48 58.20
 DATE 7/ 9/81
 TIME (PST) 1158

TAPE: U01166 -457
 LONG W 125 7.80
 PASS NO. 63
 STN: A12

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
.2	.2	29.73	14.83	21.95	
2.0	2.0	29.94	14.35	22.21	
5.0	5.0	30.73	12.95	23.10	
10.0	10.0	31.61	10.87	24.16	
14.9	15.0	31.73	10.39	24.34	
19.9	20.0	31.85	9.97	24.50	
24.9	25.0	31.97	9.60	24.65	
29.9	30.0	32.04	9.46	24.73	
34.8	35.0	32.13	9.32	24.82	
39.7	39.9	32.19	9.22	24.88	
44.7	44.9	32.34	9.01	25.03	
49.8	50.0	32.50	8.74	25.21	2.43
59.7	60.0	32.74	8.37	25.45	
69.6	70.0	32.86	8.16	25.57	
74.6	75.0	32.89	8.13	25.60	1.52
79.6	80.1	32.91	8.10	25.62	
84.5	85.0	32.97	8.04	25.68	1.89
90.2	90.7	33.04	7.99	25.74	
90.2	90.7	33.04	7.99	25.74	

CRUISE NO: 22 ALBERNI PROGRAM
 LAT N 48 54.15
 DATE 7/ 9/81
 TIME (PST) 1241

TAPE: U01166 -458
 LONG W 125 12.95
 PASS NO. 65
 STN: A13

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.3	.4	30.72	14.13	22.86
1.9	1.9	30.82	13.90	22.99
5.1	5.1	31.38	12.25	23.73
10.0	10.0	31.63	10.78	24.19
14.9	14.9	31.68	10.53	24.28
19.9	20.0	31.76	10.24	24.39
24.9	25.0	31.84	9.98	24.49
30.0	30.1	31.95	9.67	24.63
34.8	35.0	32.09	9.53	24.76
39.7	39.9	32.19	9.38	24.86
44.9	45.1	32.26	9.12	24.96
49.7	49.9	32.40	8.90	25.10
59.7	60.0	32.67	8.48	25.38
69.5	69.9	32.81	8.25	25.52
79.5	80.0	32.94	8.10	25.64
90.5	91.0	33.08	8.00	25.77
98.5	99.1	33.13	7.92	25.82

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 22 ALBERNI PROGRAM
 LAT N 48 50.05
 DATE 7/ 9/81
 TIME (PST) 1312

TAPE: U01166 -459
 LONG W 125 15.80
 PASS NO. 67
 STN: A14

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
1.8	1.8	30.46	13.74	22.73	
5.0	5.1	30.94	12.97	23.26	
9.9	9.9	31.61	10.91	24.15	
14.9	15.0	31.74	10.46	24.34	
20.0	20.1	31.87	10.06	24.50	
25.0	25.1	32.01	9.69	24.67	
30.0	30.2	32.14	9.66	24.78	
34.8	35.0	32.15	9.52	24.81	
39.8	40.0	32.20	9.53	24.85	
44.7	45.0	32.28	9.48	24.92	
49.8	50.0	32.36	9.24	25.02	3.83
59.6	59.9	32.60	8.70	25.29	
69.6	69.9	32.77	8.43	25.46	
74.6	75.0	32.80	8.33	25.50	2.43
80.5	81.0	32.88	8.17	25.59	
90.4	90.9	32.98	8.10	25.67	2.37
97.1	97.6	33.02	8.05	25.71	

CRUISE NO: 22 ALBERNI PROGRAM
 LAT N 48 48.20
 DATE 7/ 9/81
 TIME (PST) 1341

TAPE: U01166 -460
 LONG W 125 14.40
 PASS NO. 69
 STN: A10

DEPTH	PRESS	SAL	TEMP	SIGMA-T
.2	.2	31.60	11.90	23.97
1.9	1.9	31.61	11.85	23.98
4.9	5.0	31.76	11.71	24.13
9.9	10.0	31.82	10.87	24.32
14.8	14.8	31.90	10.11	24.51
19.9	20.0	31.99	9.87	24.62
24.9	25.0	32.10	9.77	24.73
29.8	30.0	32.20	9.49	24.85
33.6	33.8	32.22	9.43	24.88
33.6	33.8	32.22	9.43	24.88

COASTAL ZONE OCEANOGRAPHY
 CRUISE NO: 22 ALBERNI PROGRAM
 LAT N 48 51.50
 DATE 7/ 9/81
 TIME (PST) 1423

TAPE: U01166 -461
 LONG W 125 8.10
 PASS NO. 71
 STN: A9

DEPTH	PRESS	SAL	TEMP	SIGMA-T	OXYGEN
2.0	2.0	31.35	11.51	23.85	
5.0	5.0	31.24	11.70	23.72	
10.0	10.0	31.70	10.68	24.26	
14.9	14.9	31.82	10.20	24.44	
19.8	19.9	31.92	9.98	24.55	
24.8	24.9	31.99	9.83	24.63	
29.9	30.1	32.06	9.68	24.71	
34.8	35.0	32.10	9.58	24.76	
39.8	40.0	32.21	9.33	24.89	
44.7	45.0	32.36	8.97	25.06	
49.7	50.0	32.53	8.67	25.24	1.24
59.7	60.0	32.71	8.37	25.43	
69.6	70.0	32.80	8.23	25.51	
74.5	74.9	32.81	8.21	25.53	.71
79.5	80.0	32.82	8.20	25.53	
90.5	91.0	32.85	8.15	25.56	
100.5	101.0	32.85	8.14	25.57	1.05
110.4	111.0	32.89	8.09	25.60	
120.3	121.0	32.89	8.09	25.61	
125.3	126.0	32.89	8.08	25.61	1.34
126.2	126.9	32.89	8.08	25.61	